

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042519\
 Data File : VN055242.D
 Acq On : 25 Apr 2019 13:27
 Operator : JC/SP
 Sample : VN0425MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425MBS01

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:59:09 AM

Quant Time: Apr 26 03:22:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	398874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	658461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	564915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	280175	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.59	113	222008	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	10.09	98	815596	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	262566	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	113363	22.074	ug/l	99
3) Chloromethane	2.06	50	134080	21.306	ug/l	97
4) Vinyl Chloride	2.19	62	104747	20.772	ug/l	96
5) Bromomethane	2.56	94	56769	19.413	ug/l	99
6) Chloroethane	2.70	64	55566	20.907	ug/l	97
7) Trichlorofluoromethane	3.02	101	150978	22.002	ug/l	100
8) Diethyl Ether	3.41	74	52153	21.293	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	85874	20.054	ug/l	97
10) Methyl Iodide	3.95	142	127383	21.213	ug/l	99
11) Tert butyl alcohol	4.79	59	36568	116.018	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	84640	20.625	ug/l	93
13) Acrolein	3.61	56	36377	83.571	ug/l	100
14) Allyl chloride	4.33	41	173031	21.329	ug/l	99
15) Acrylonitrile	4.99	53	190827	110.394	ug/l	99
16) Acetone	3.82	43	157914	88.479	ug/l	99
17) Carbon Disulfide	4.06	76	224803	19.595	ug/l	100
18) Methyl Acetate	4.33	43	92489	23.519	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	247499	21.814	ug/l	99
20) Methylene Chloride	4.55	84	103334	20.140	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	90486	21.027	ug/l	98
22) Diisopropyl ether	5.95	45	351476	21.735	ug/l	97
23) Vinyl Acetate	5.90	43	1235245	113.671	ug/l	99
24) 1,1-Dichloroethane	5.85	63	185205	21.293	ug/l	99
25) 2-Butanone	6.84	43	234949	101.966	ug/l	99
26) 2,2-Dichloropropane	6.83	77	121663	20.670	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	105342	21.236	ug/l	99
28) Bromochloromethane	7.19	49	92938	20.961	ug/l	98
29) Tetrahydrofuran	7.21	42	154901	109.338	ug/l	99
30) Chloroform	7.37	83	173932	21.022	ug/l	98
31) Cyclohexane	7.65	56	174024	20.605	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	140446	21.129	ug/l	98
36) 1,1-Dichloropropene	7.79	75	129305	21.158	ug/l	99
37) Ethyl Acetate	6.93	43	105380	21.366	ug/l	98
38) Carbon Tetrachloride	7.77	117	120836	21.114	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139784	19.172	ug/l	100
40) Benzene	8.04	78	394284	20.899	ug/l	99
41) Methacrylonitrile	7.17	41	54806	21.195	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	137030	20.820	ug/l	100
43) Isopropyl Acetate	8.17	43	187952	23.533	ug/l	97
44) Trichloroethene	8.83	130	96151	20.164	ug/l	98
45) 1,2-Dichloropropane	9.12	63	110724	20.792	ug/l	97
46) Dibromomethane	9.21	93	63475	20.821	ug/l	97
47) Bromodichloromethane	9.40	83	127953	20.966	ug/l	97
48) Methyl methacrylate	9.20	41	86013	22.201	ug/l	95
49) 1,4-Dioxane	9.20	88	19006	424.802	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	492199	107.095	ug/l	99
52) Toluene	10.16	92	226610	20.489	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	120352	21.489	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	145438	20.926	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	84924	20.828	ug/l	99
56) Ethyl methacrylate	10.43	69	107744	21.212	ug/l	97
57) 1,3-Dichloropropane	10.71	76	149613	21.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	161918	90.277	ug/l	99
59) 2-Hexanone	10.75	43	315651	108.733	ug/l	100
60) Dibromochloromethane	10.90	129	87779	20.901	ug/l	97
61) 1,2-Dibromoethane	11.00	107	82081	21.411	ug/l	97
64) Tetrachloroethene	10.63	164	93831	20.361	ug/l	98
65) Chlorobenzene	11.43	112	231774	20.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87778	20.540	ug/l	99
67) Ethyl Benzene	11.51	91	421559	20.524	ug/l	100
68) m/p-Xylenes	11.62	106	310710	42.178	ug/l	99
69) o-Xylene	11.95	106	153357	20.977	ug/l	99
70) Styrene	11.96	104	242513	21.401	ug/l	98
71) Bromoform	12.13	173	53548	20.997	ug/l #	99
73) Isopropylbenzene	12.25	105	407057	21.815	ug/l	99
74) N-amyl acetate	12.07	43	121567	21.487	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108446	22.981	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	90528m	20.335	ug/l	
77) Bromobenzene	12.53	156	97713	20.170	ug/l	99
78) n-propylbenzene	12.59	91	438149	19.910	ug/l	100
79) 2-Chlorotoluene	12.67	91	276843	19.922	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333684	20.313	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22465	19.129	ug/l	94
82) 4-Chlorotoluene	12.77	91	256201	20.039	ug/l	100
83) tert-Butylbenzene	12.99	119	285828	21.921	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	314604	20.294	ug/l	99
85) sec-Butylbenzene	13.17	105	360503	19.398	ug/l	100
86) p-Isopropyltoluene	13.29	119	309648	20.224	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	151595	20.385	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	142736	19.714	ug/l	99
89) n-Butylbenzene	13.61	91	227879	20.080	ug/l	98
90) Hexachloroethane	13.87	117	50733	18.683	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	150837	19.747	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12698	19.056	ug/l	92

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ClientSampleId :
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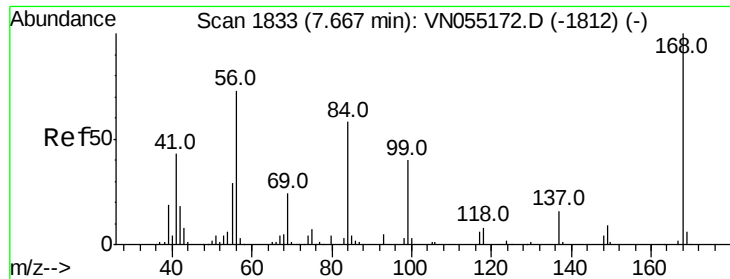
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48060	16.815	ug/l	99
94) Hexachlorobutadiene	15.01	225	51070	21.653	ug/l	99
95) Naphthalene	15.13	128	106233	17.429	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	50722	17.278	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion:168 Resp: 398874

Ion Ratio Lower Upper

168 100

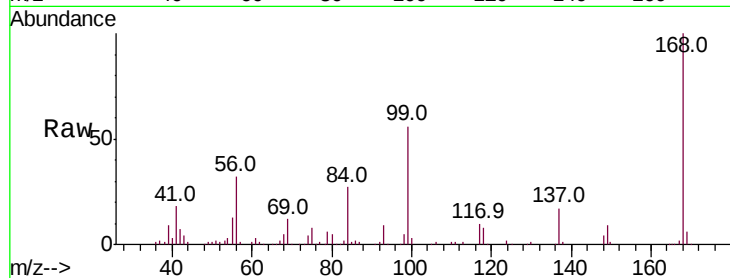
99 54.5 42.0 63.0

Manual Integrations

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4/26/2019 10:59:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

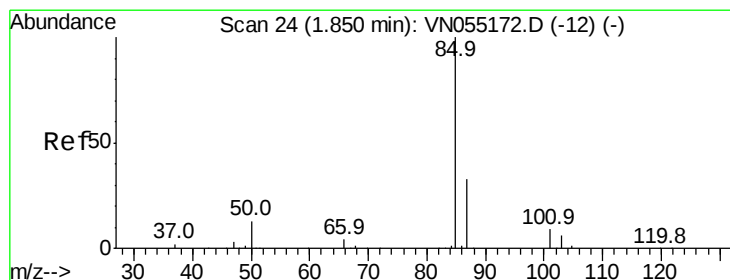
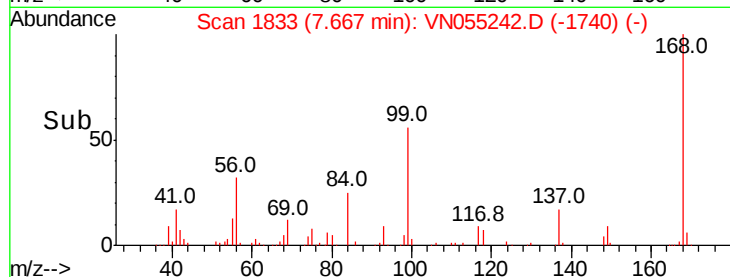
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.074 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055242.D

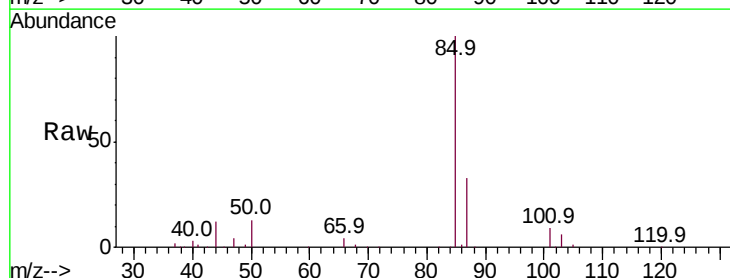
Acq: 25 Apr 2019 13:27

Tgt Ion: 85 Resp: 113363

Ion Ratio Lower Upper

85 100

87 33.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

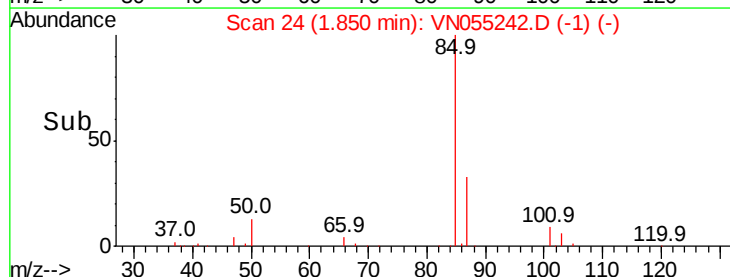
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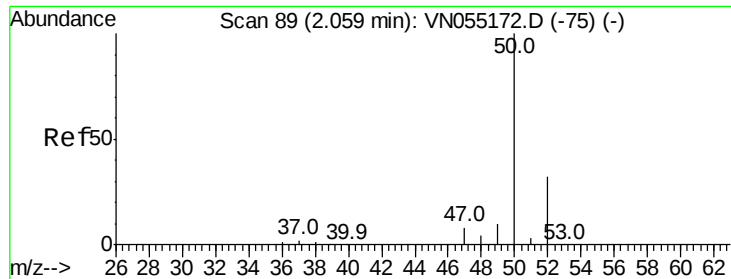
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Time-->





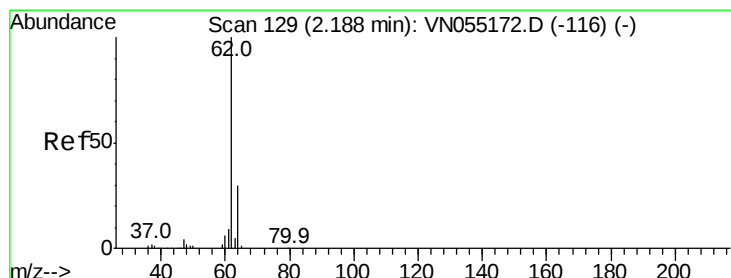
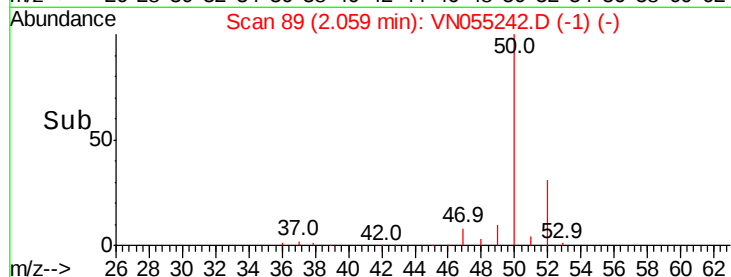
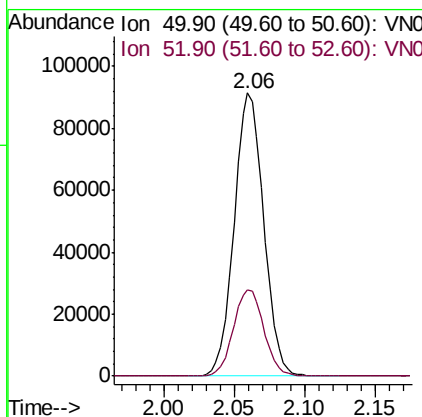
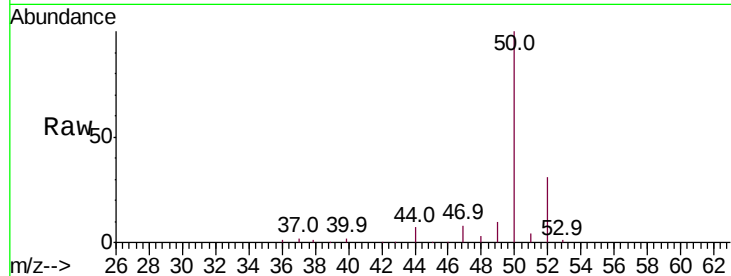
#3
Chloromethane
Concen: 21.306 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	30.7	25.8	38.6

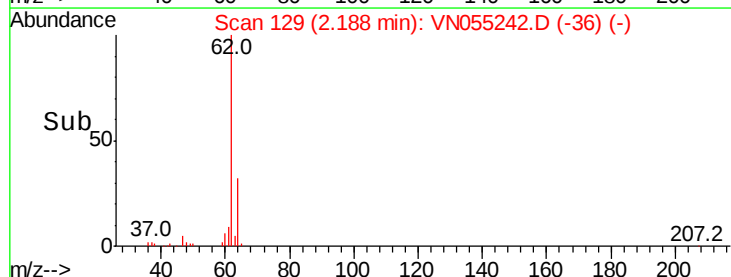
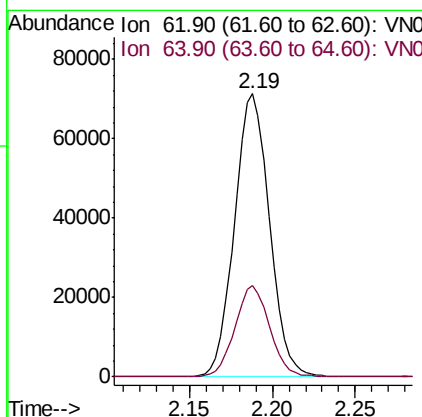
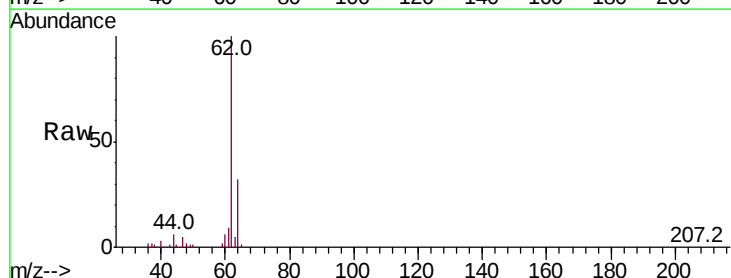
Manual Integrations
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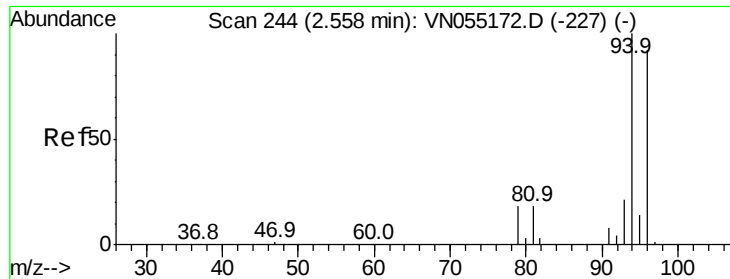
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#4
Vinyl Chloride
Concen: 20.772 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.2	36.4





#5

Bromomethane

Concen: 19.413 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion: 94 Resp: 56769

Ion Ratio Lower Upper

94 100

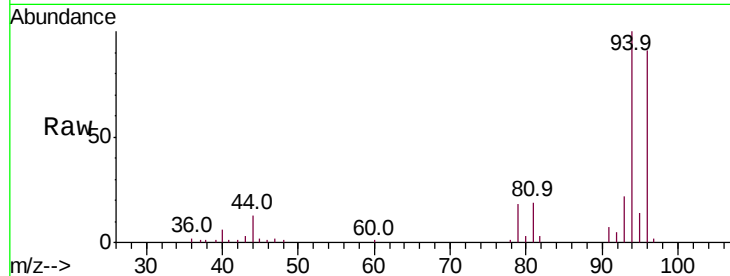
96 90.8 73.4 110.2

Manual Integrations

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4/26/2019 10:59:09 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

30000

25000

20000

15000

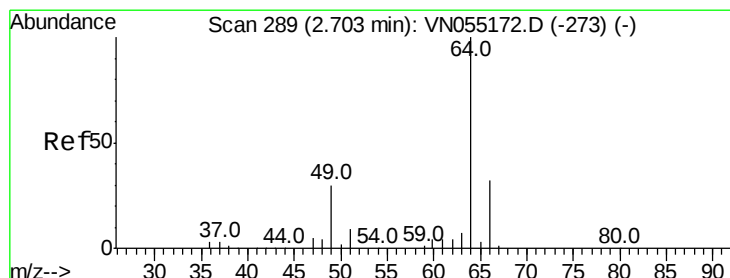
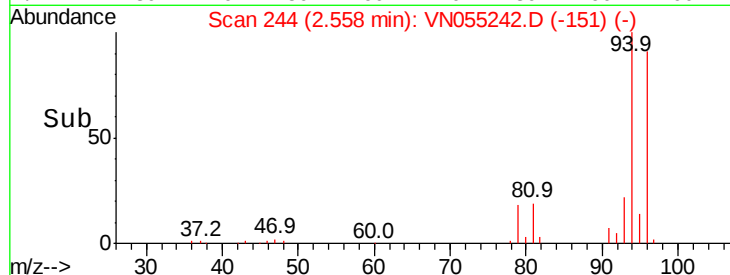
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5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.907 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055242.D

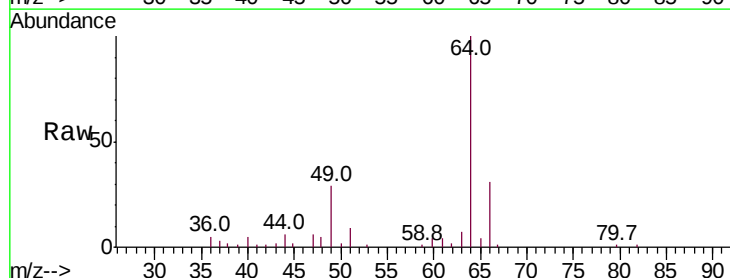
Acq: 25 Apr 2019 13:27

Tgt Ion: 64 Resp: 55566

Ion Ratio Lower Upper

64 100

66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

30000

25000

20000

15000

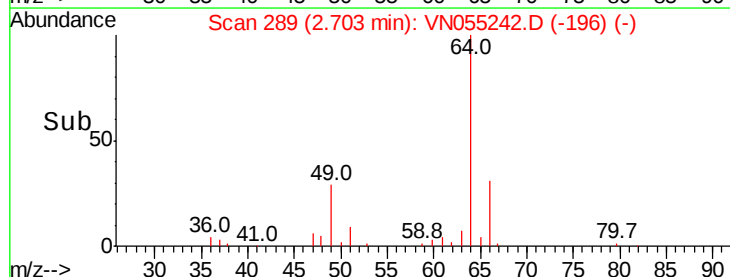
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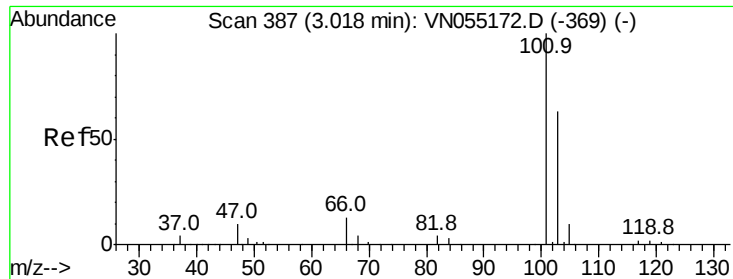
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

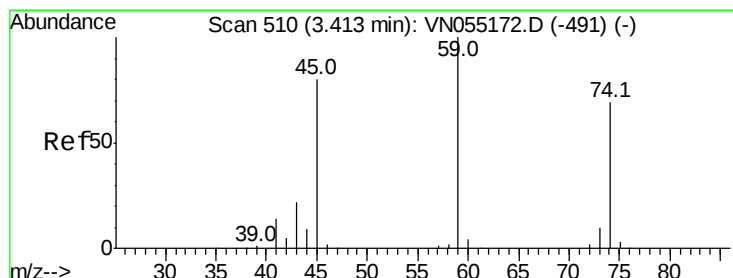
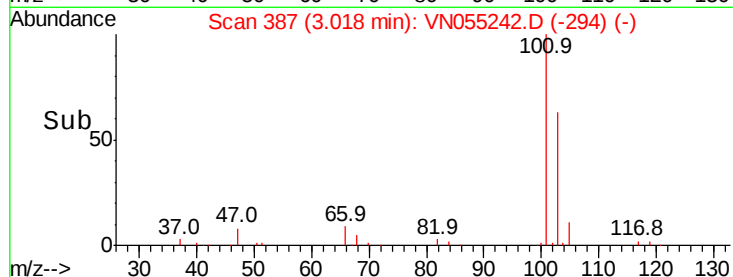
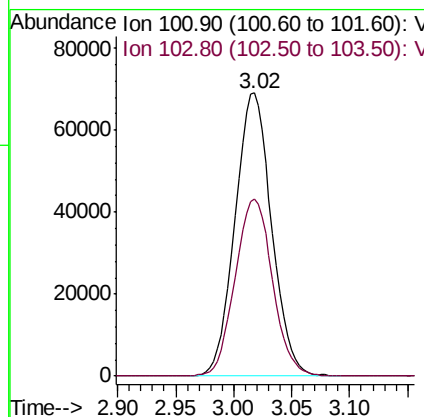
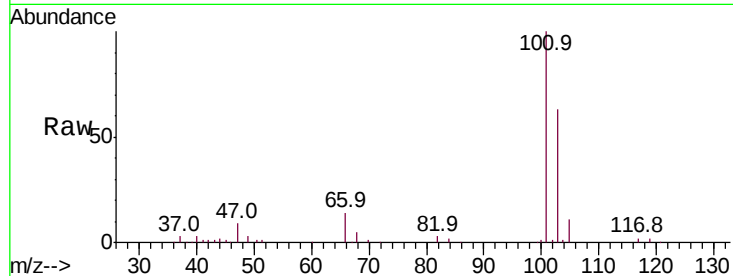
Trichlorofluoromethane
 Concen: 22.002 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Instrument :
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 ClientSampleId :
 VN0425MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	50.1	75.1

Manual Integrations
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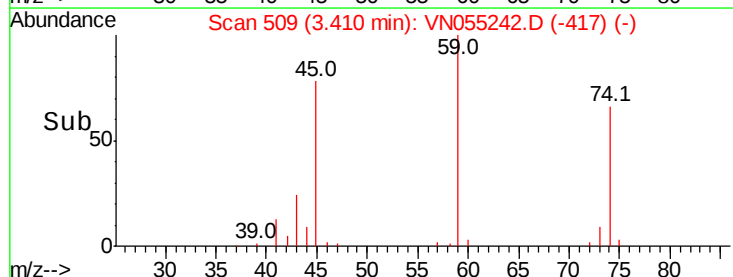
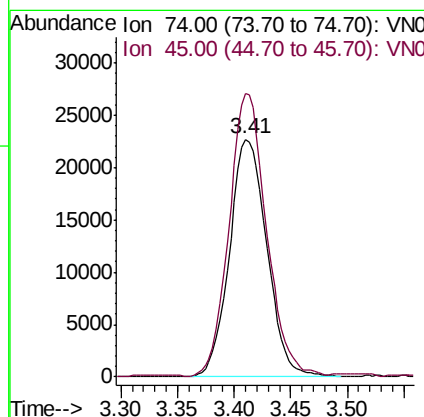
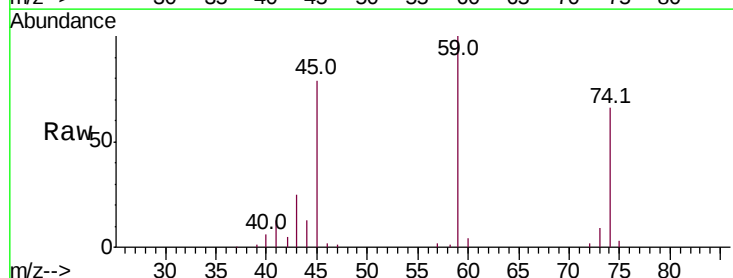
MMDadoda
 4/26/2019 10:59:09 AM

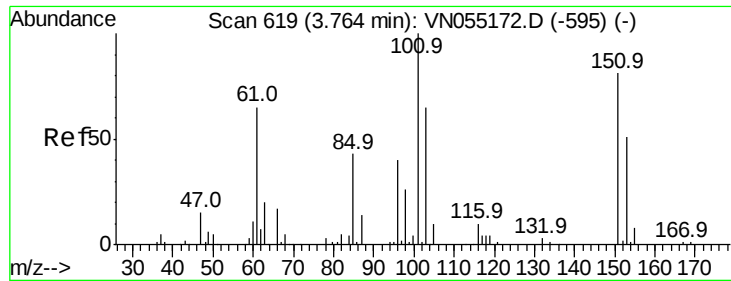


#8

Diethyl Ether
 Concen: 21.293 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.1	56.9	170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.054 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

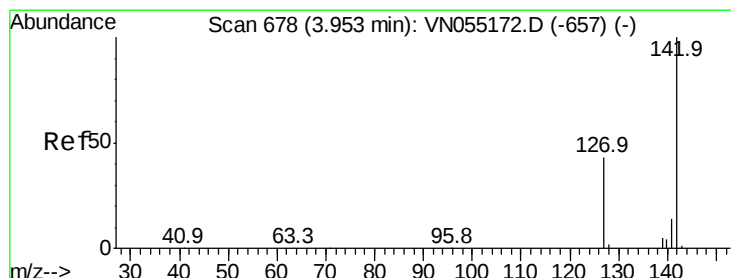
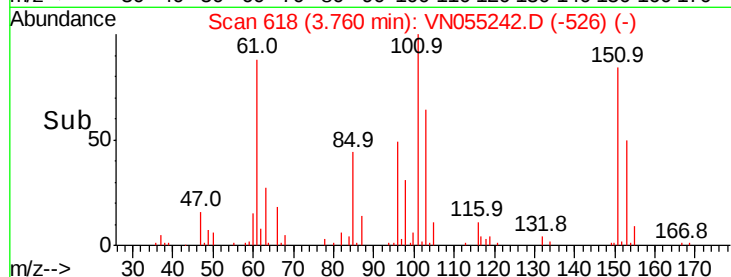
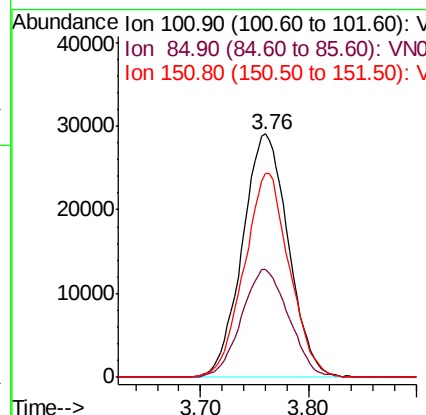
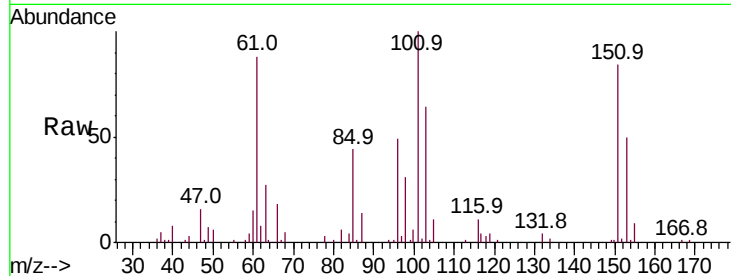
ClientSampleId :

VN0425MBS01

Tot Ion:	101	Resp:	85874
Ion Ratio	Lower	Upper	
101	100		
85	45.6	34.9	52.3
151	82.7	63.8	95.8

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#10

Methyl Iodide

Concen: 21.213 ug/l

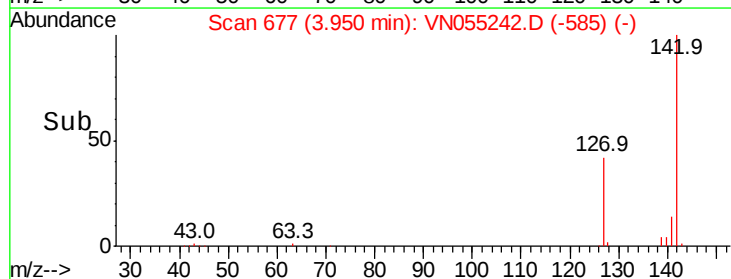
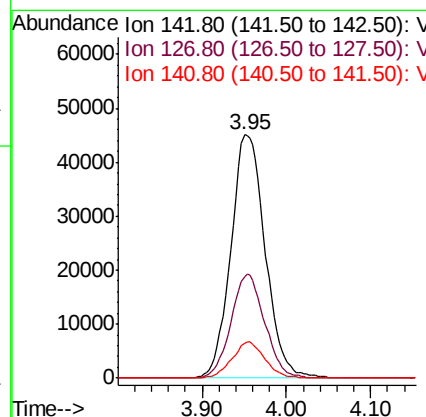
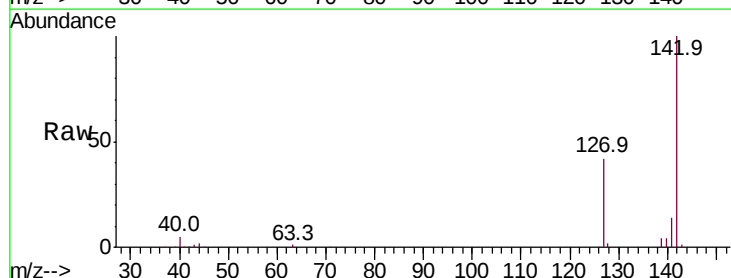
RT: 3.95 min Scan# 677

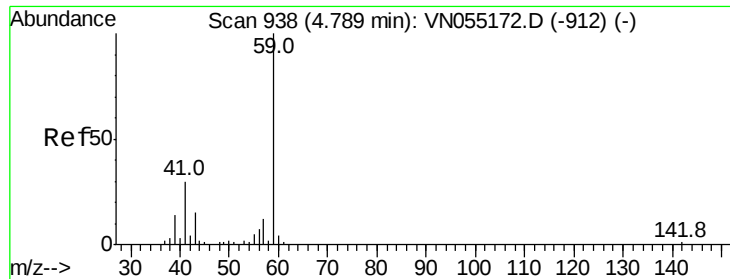
Delta R.T. -0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	142	Resp:	127383
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.1	51.1
141	14.3	11.4	17.2





#11

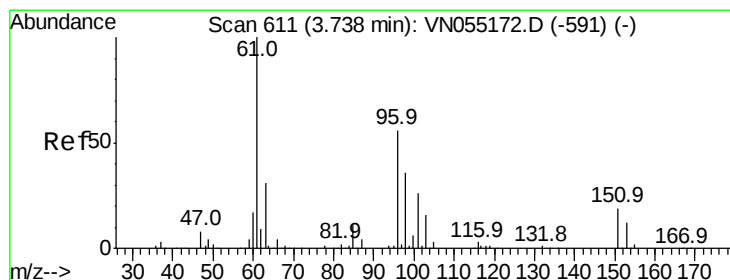
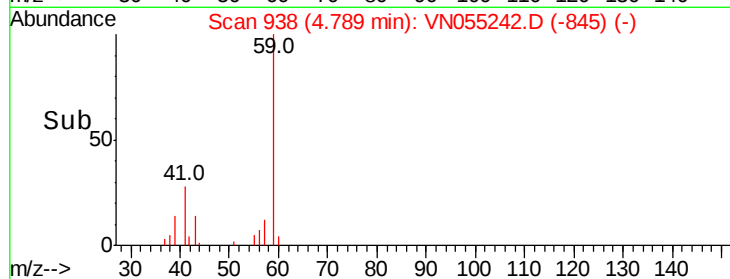
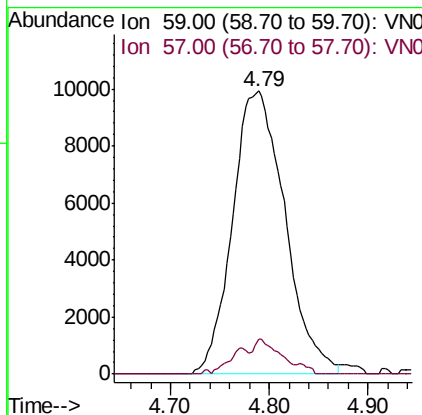
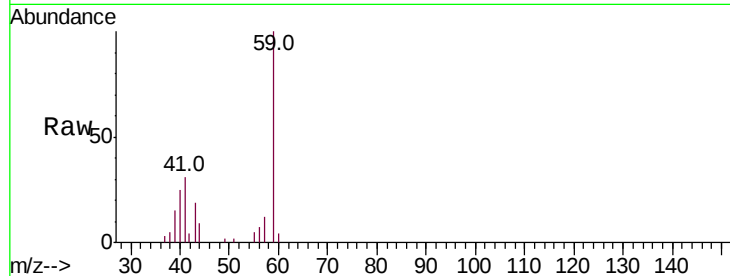
Tert butyl alcohol
 Concen: 116.018 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0425MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.9	8.8	13.2#

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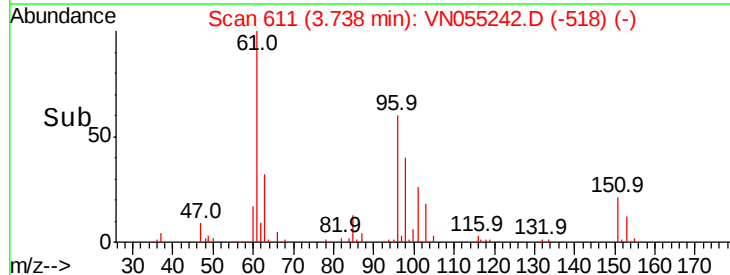
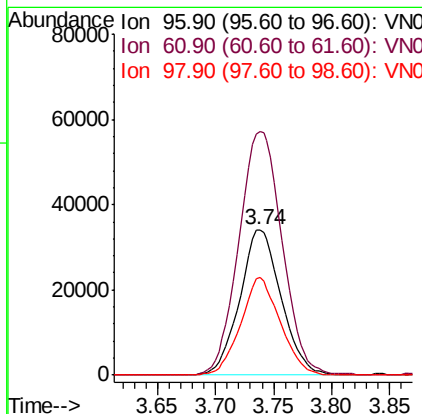
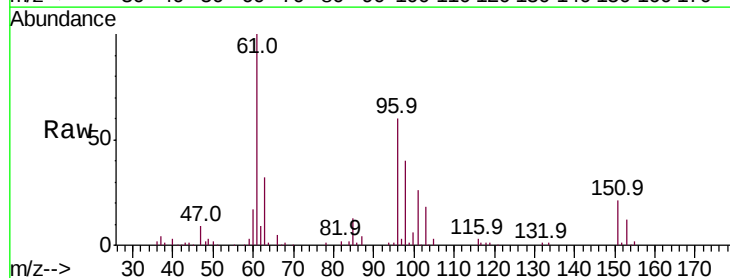
MMdadoda
 4/26/2019 10:59:09 AM

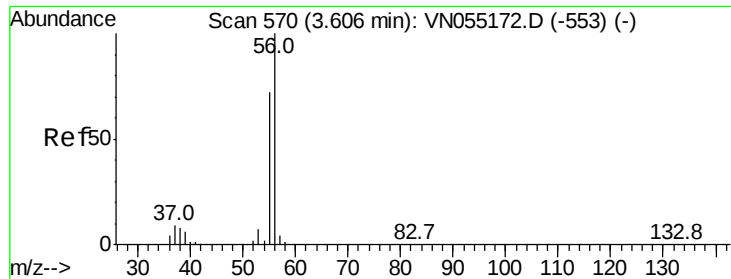


#12

1,1-Dichloroethene
 Concen: 20.625 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.1	142.1	213.1
98	67.2	51.2	76.8





#13

Acrolein

Concen: 83.571 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion: 56 Resp: 36377

Ion Ratio Lower Upper

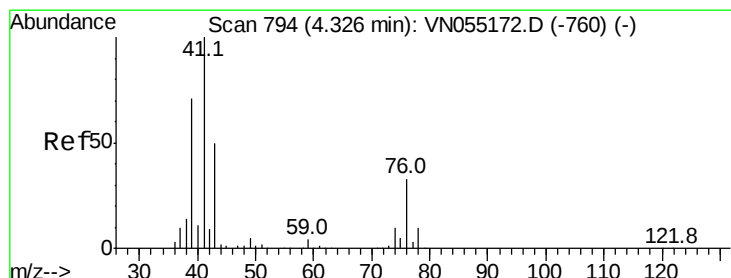
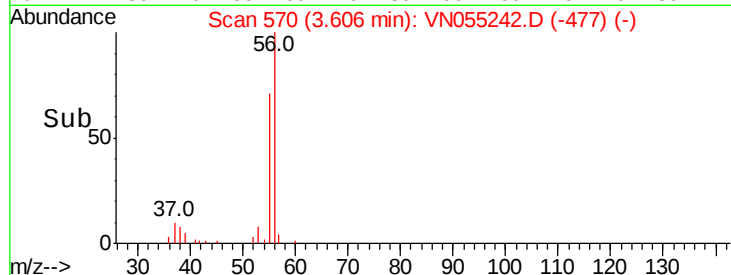
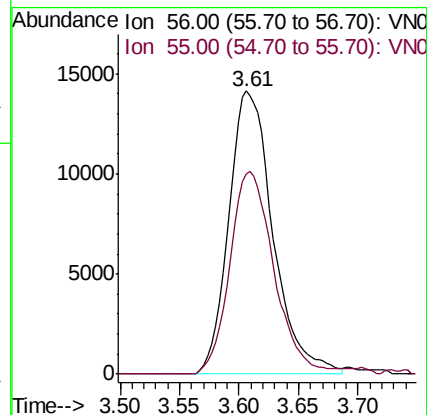
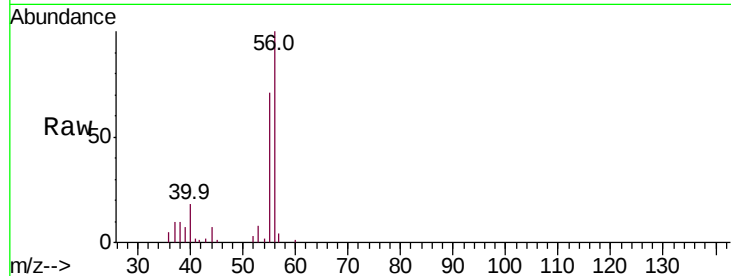
56 100

55 71.3 57.4 86.0

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#14

Allyl chloride

Concen: 21.329 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

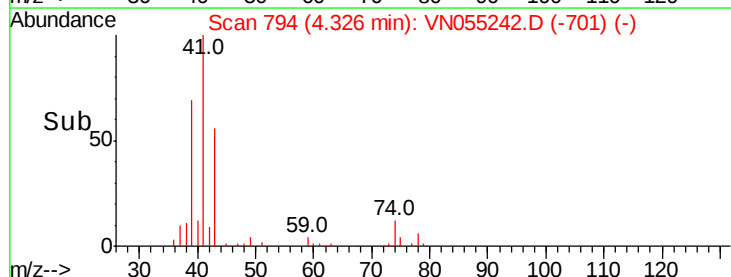
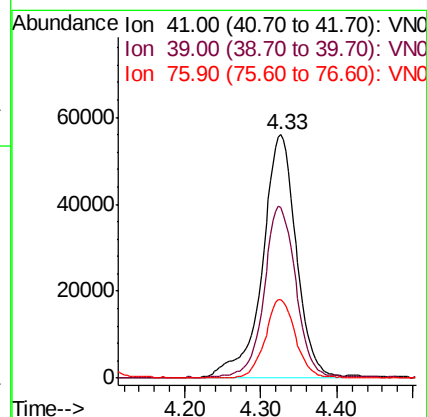
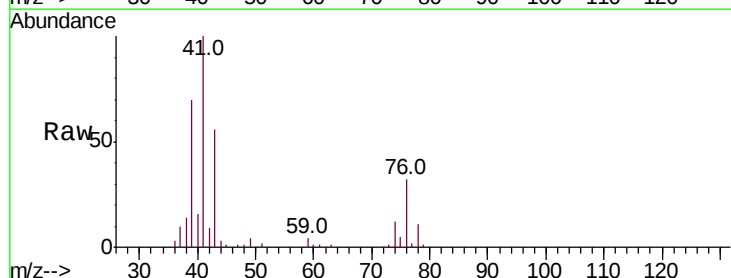
Tgt Ion: 41 Resp: 173031

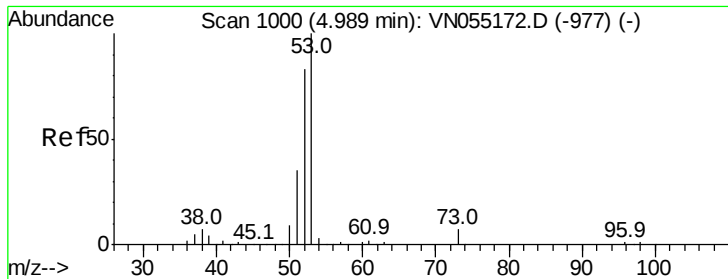
Ion Ratio Lower Upper

41 100

39 64.9 52.9 79.3

76 28.8 23.6 35.4





#15

Acrylonitrile

Concen: 110.394 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

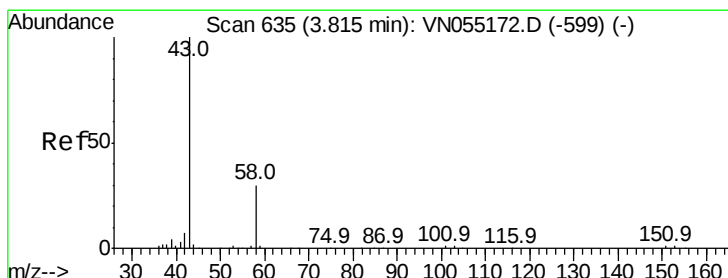
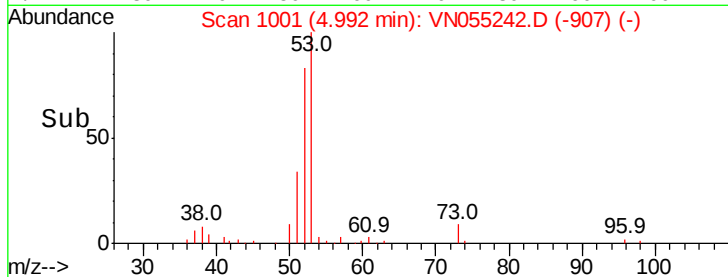
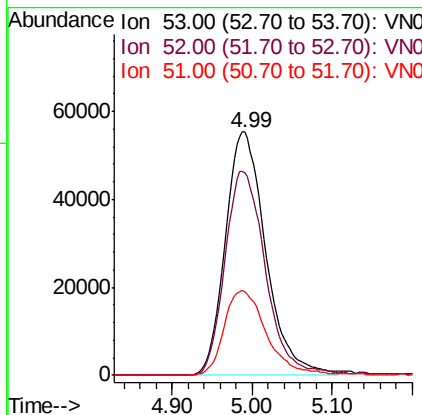
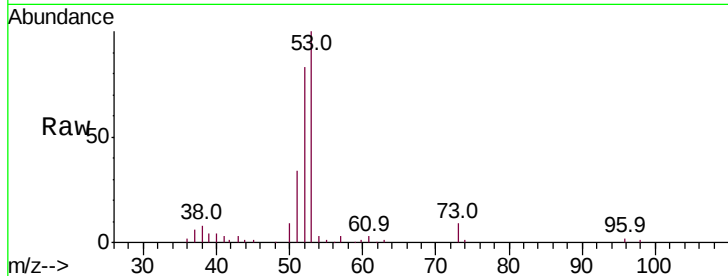
ClientSampleId :

VN0425MBS01

Tot Ion:	53	Resp:	190827
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.8
51	36.4	28.9	43.3

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#16

Acetone

Concen: 88.479 ug/l

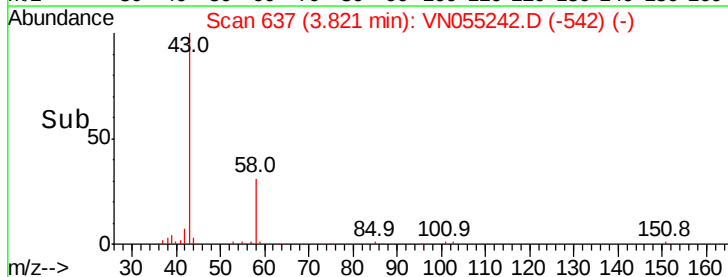
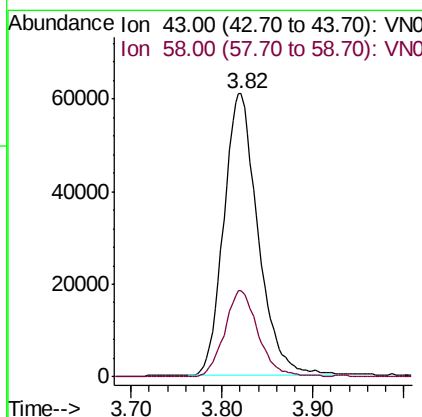
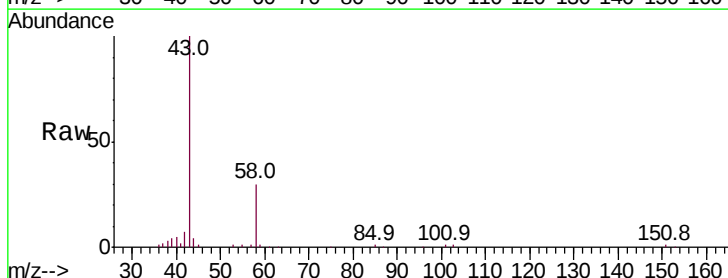
RT: 3.82 min Scan# 637

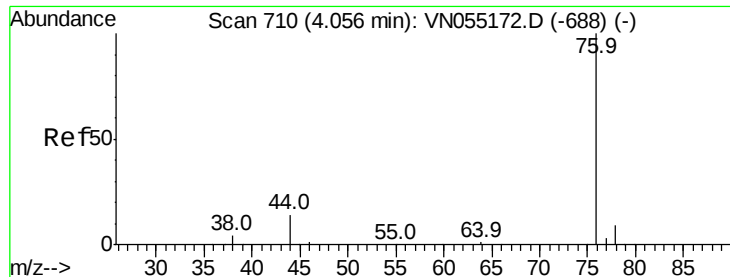
Delta R.T. 0.01 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	43	Resp:	157914
Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.8	35.8





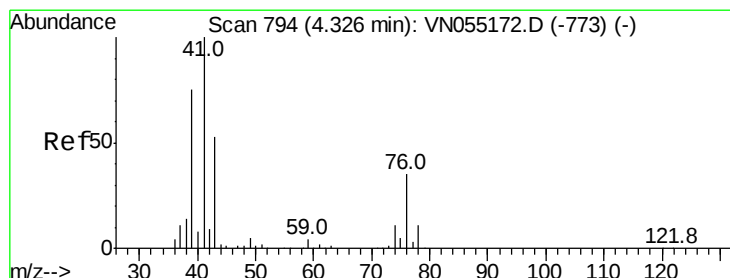
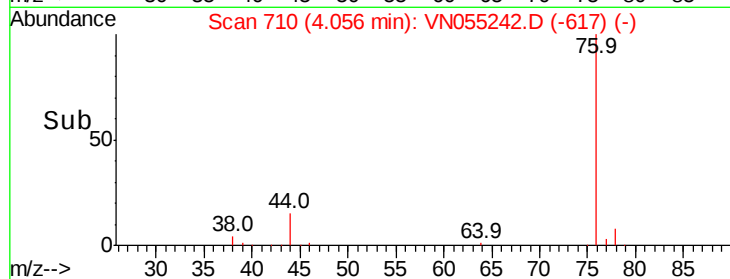
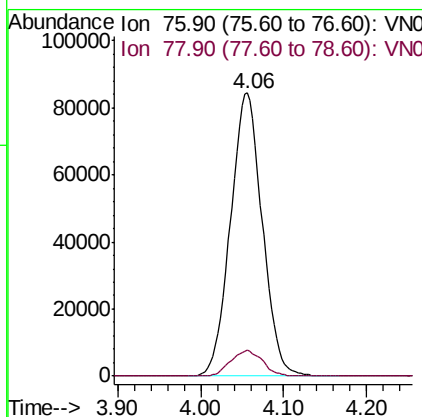
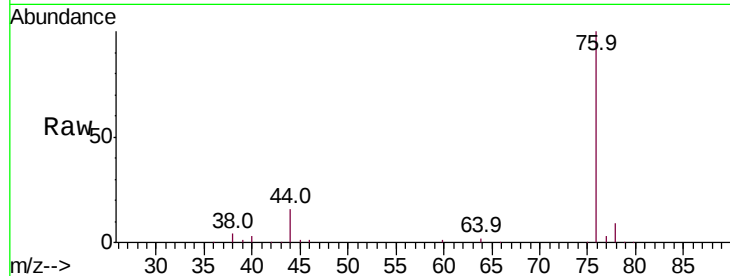
#17
Carbon Disulfide
Concen: 19.595 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion: 76 Resp: 224803
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

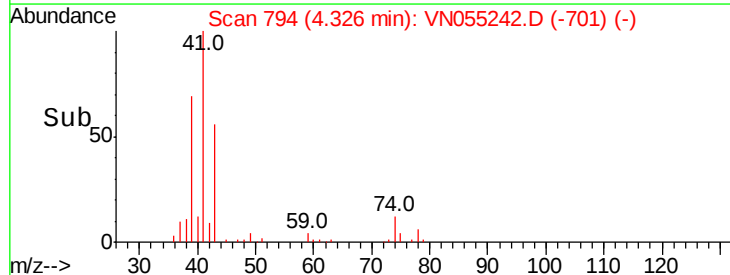
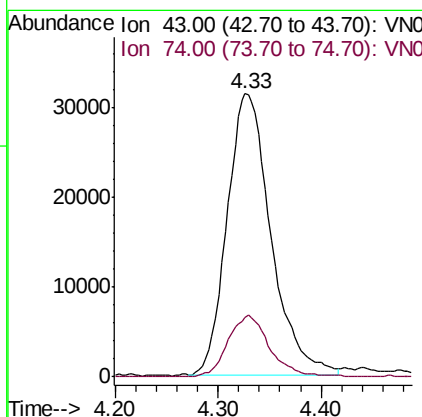
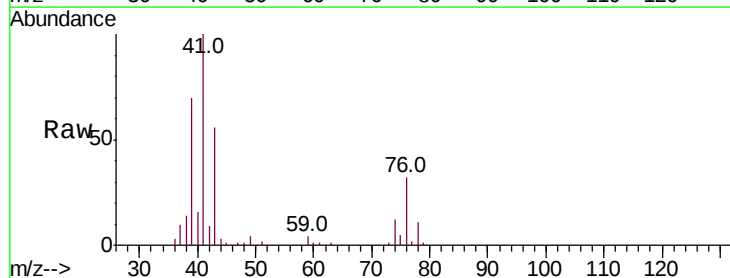
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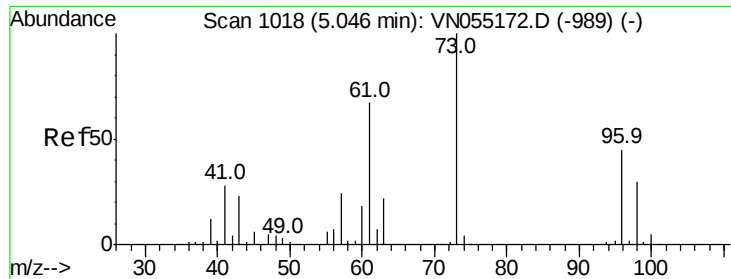
MMdadoda
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#18
Methyl Acetate
Concen: 23.519 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion: 43 Resp: 92489
Ion Ratio Lower Upper
43 100
74 20.7 16.7 25.1





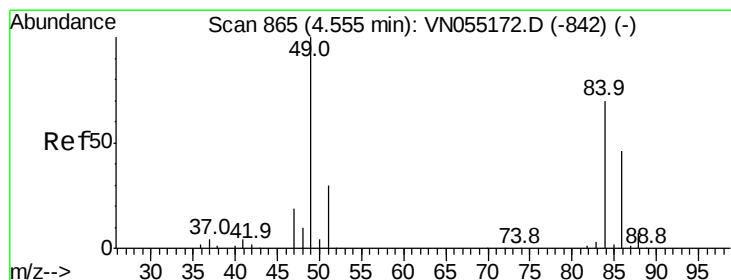
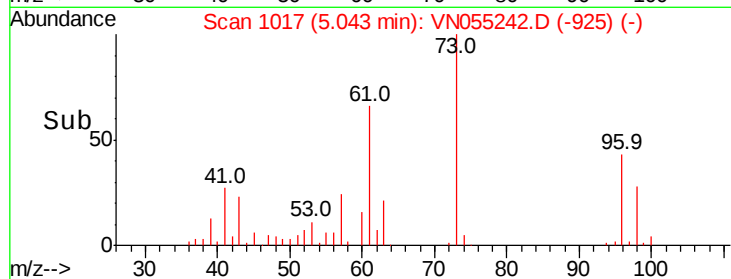
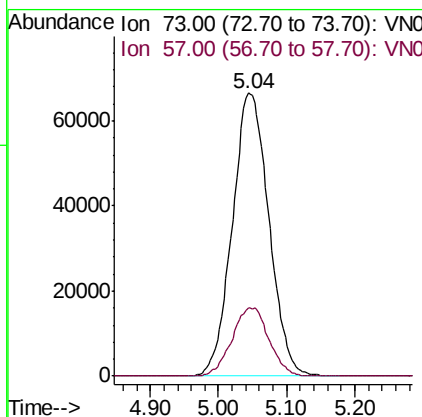
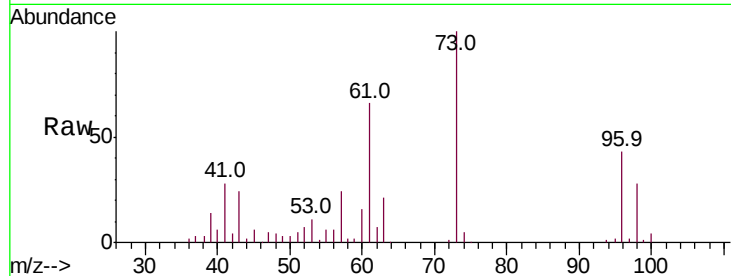
#19
Methvl tert-butvl Ether
Concen: 21.814 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion: 73 Resp: 247499
Ion Ratio Lower Upper
73 100
57 24.1 19.5 29.3

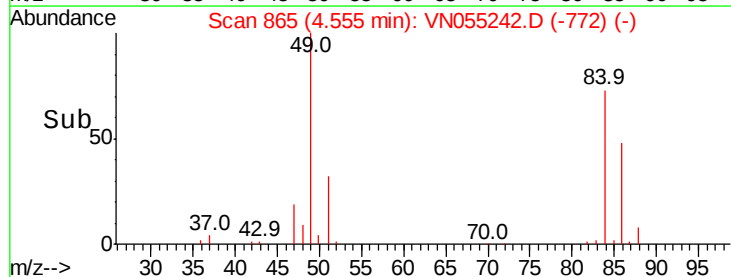
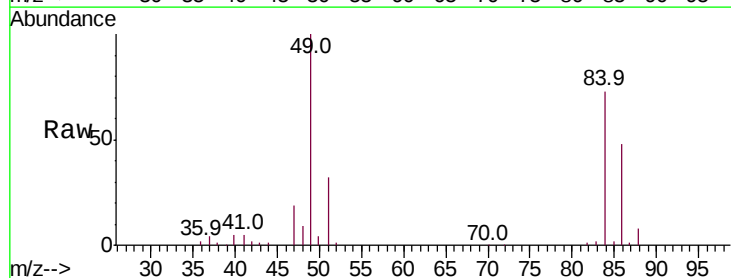
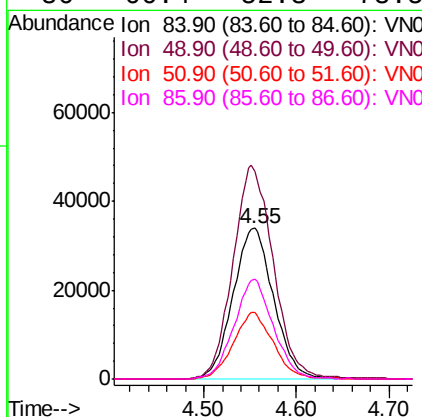
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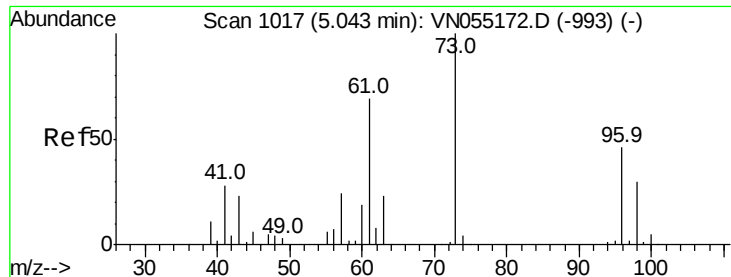
MMdadoda
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#20
Methylene Chloride
Concen: 20.140 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion: 84 Resp: 103334
Ion Ratio Lower Upper
84 100
49 137.2 113.8 170.6
51 44.1 34.0 51.0
86 66.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.027 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion: 96 Resp: 90486

Ion Ratio Lower Upper

96 100

61 151.2 119.3 178.9

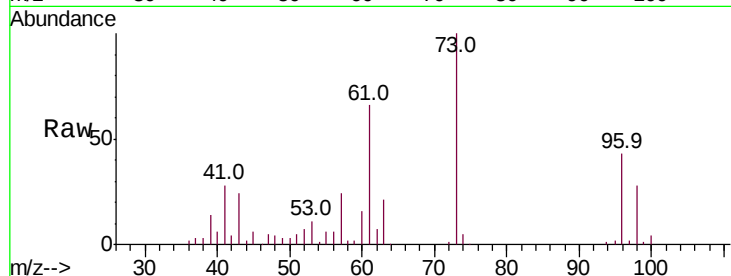
98 63.4 53.0 79.4

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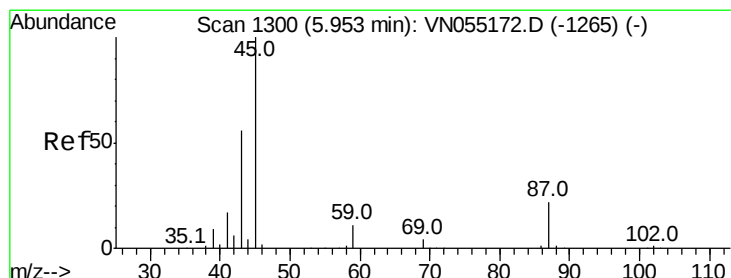
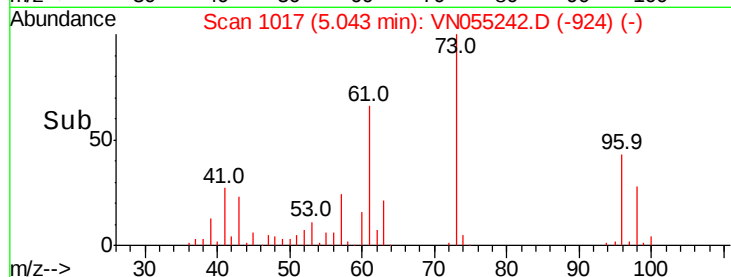
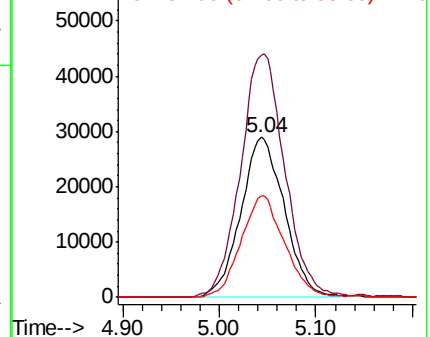


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.735 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion: 45 Resp: 351476

Ion Ratio Lower Upper

45 100

43 62.3 47.4 71.0

87 22.8 18.4 27.6

59 11.2 8.6 12.8

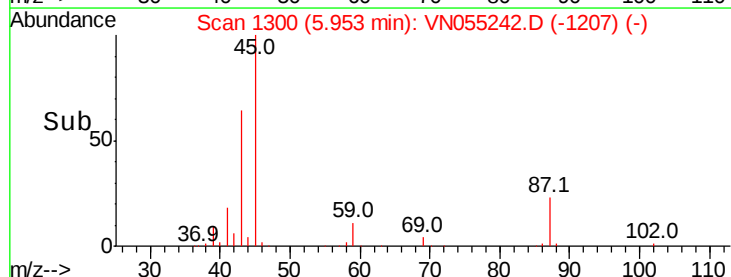
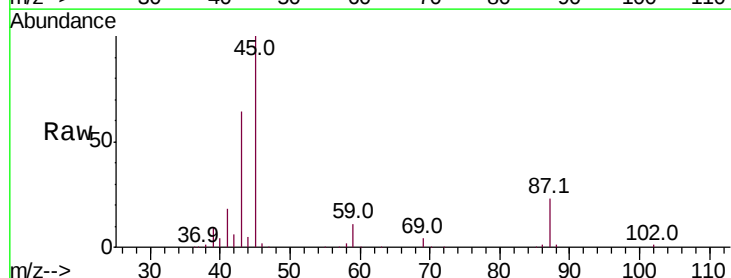
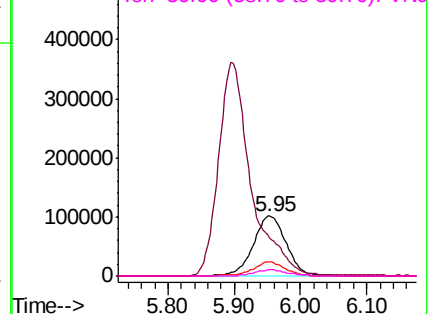
Abundance

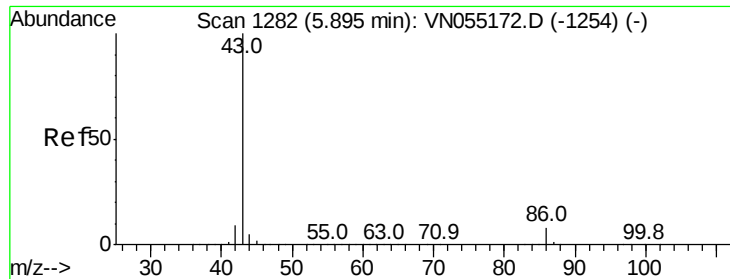
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





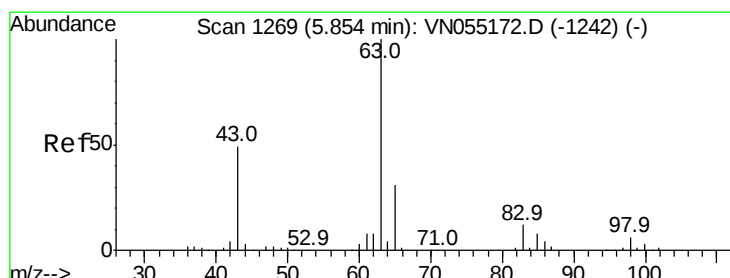
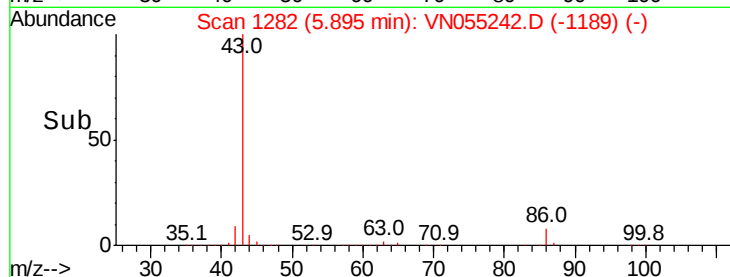
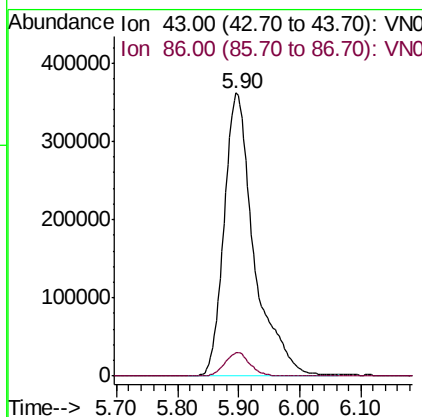
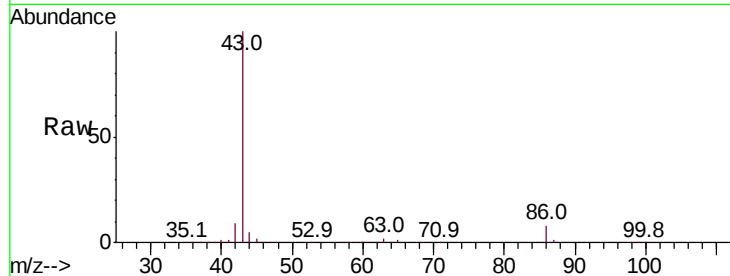
#23
 Vinyl Acetate
 Concen: 113.671 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425MBS01

Tot Ion: 43 Resp: 1235245
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.8 10.2

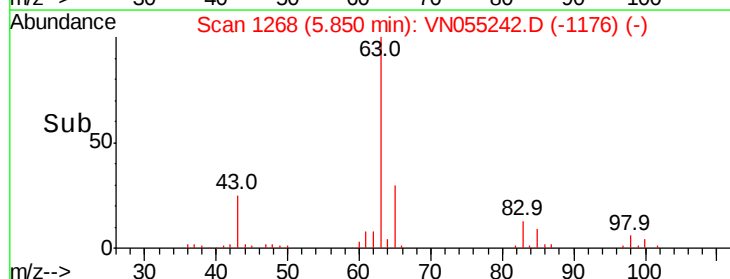
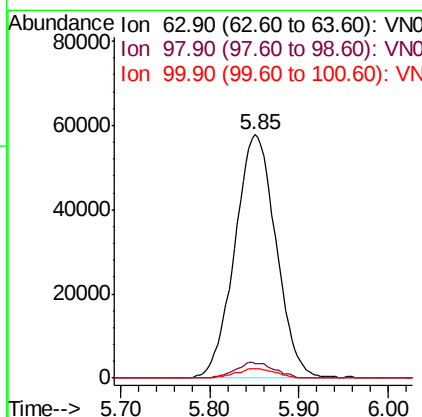
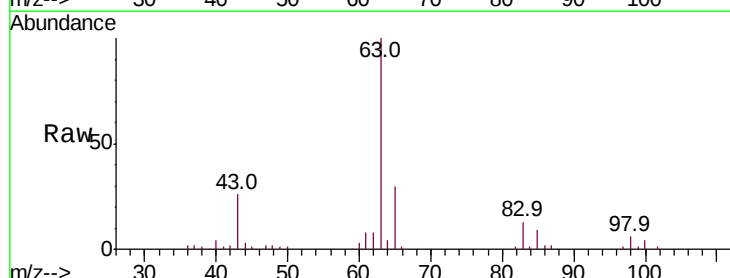
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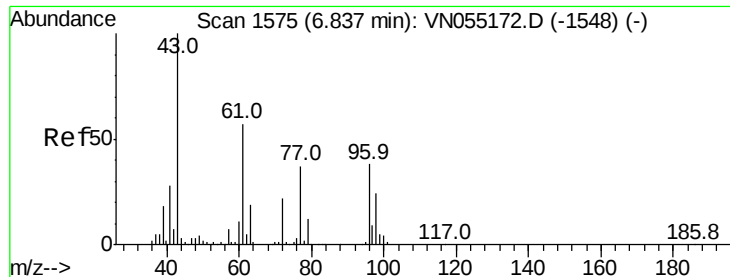
MMdadoda
 4/26/2019 10:59:09 AM



#24
 1,1-Dichloroethane
 Concen: 21.293 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Tgt Ion: 63 Resp: 185205
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.1 9.3
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 101.966 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion: 43 Resp: 234949

Ion Ratio Lower Upper

43 100

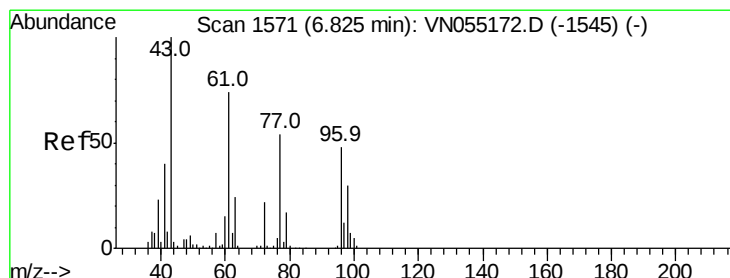
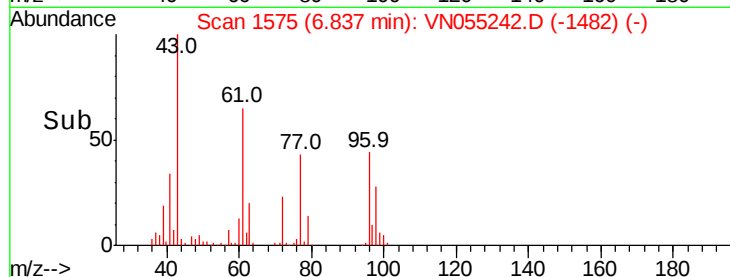
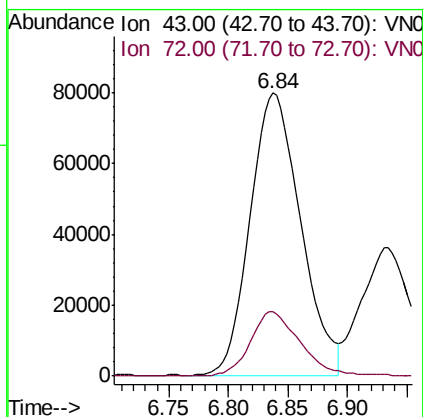
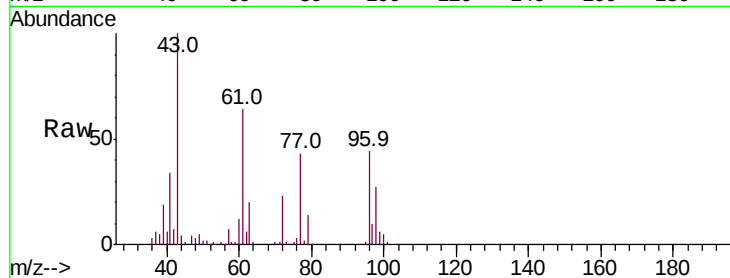
72 22.7 17.8 26.8

Manual Integrations

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MMdadoda

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#26

2,2-Dichloropropane

Concen: 20.670 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055242.D

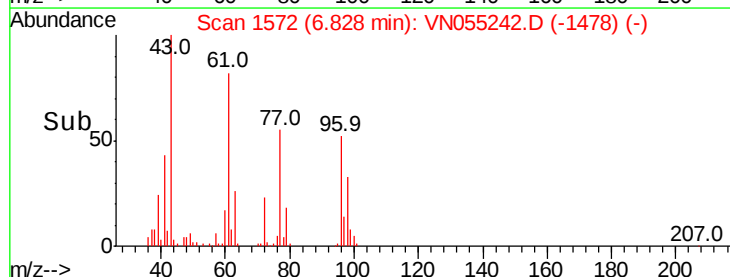
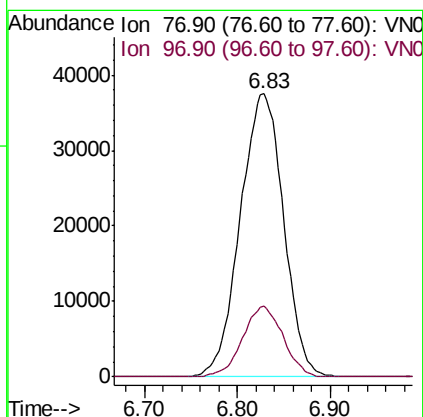
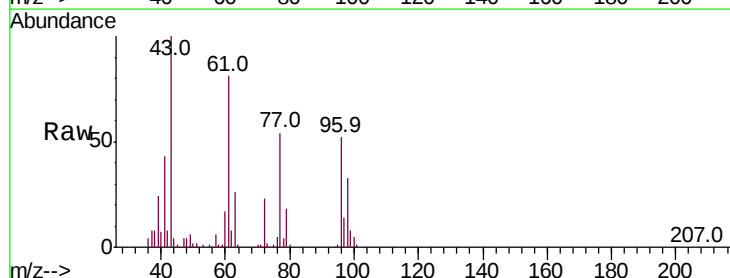
Acq: 25 Apr 2019 13:27

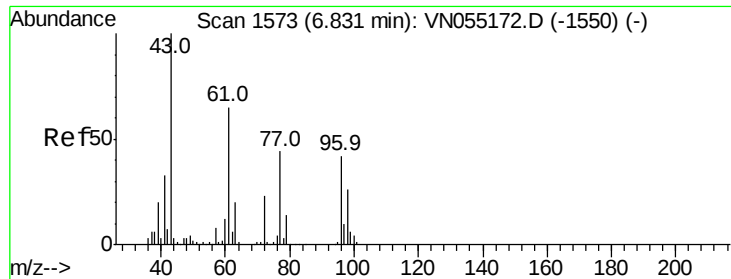
Tgt Ion: 77 Resp: 121663

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 21.236 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

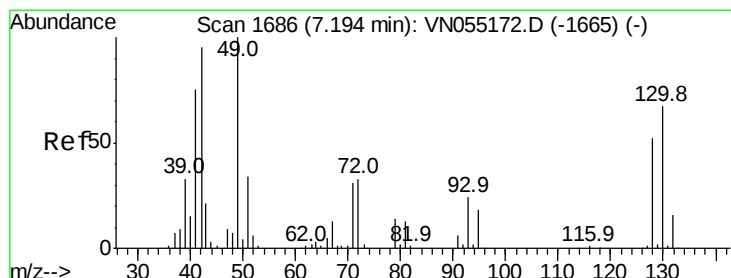
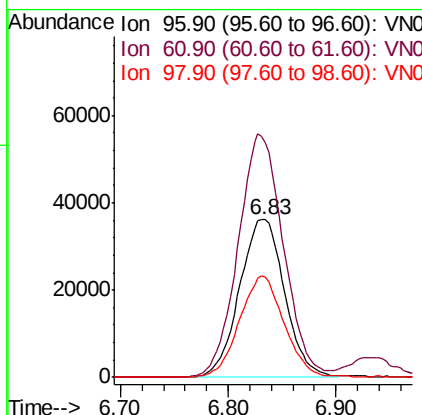
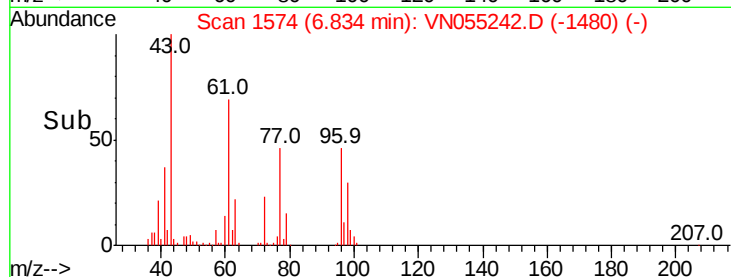
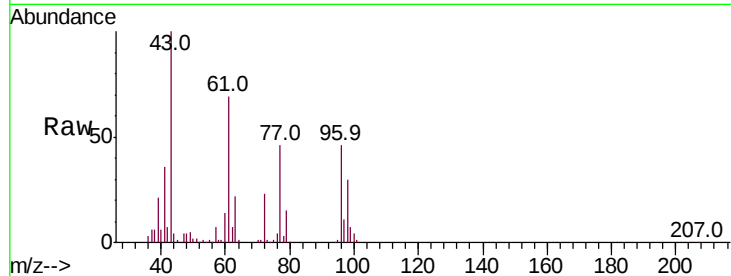
ClientSampleId :

VN0425MBS01

Tot Ion	96	Resp	105342
Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	310.8
98	63.3	0.0	127.4

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#28

Bromochloromethane

Concen: 20.961 ug/l

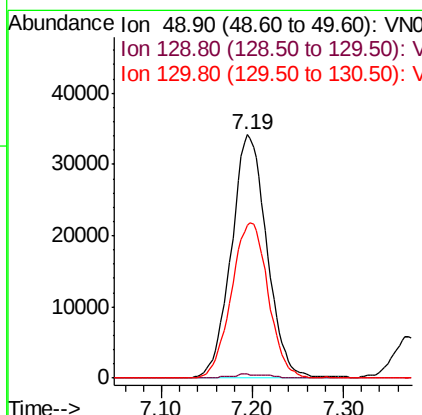
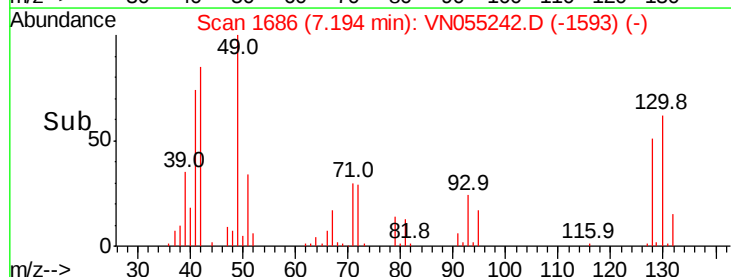
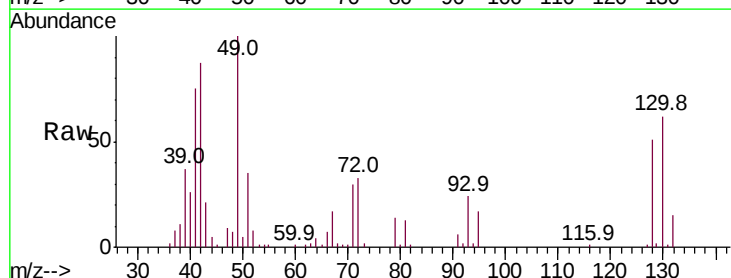
RT: 7.19 min Scan# 1686

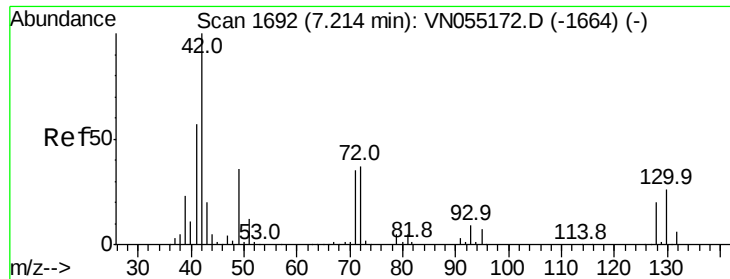
Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion	49	Resp	92938
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.8
130	65.6	53.4	80.2





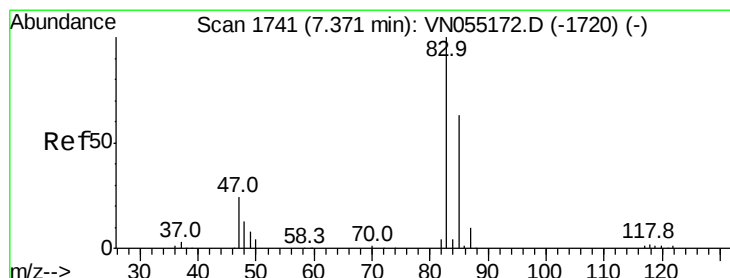
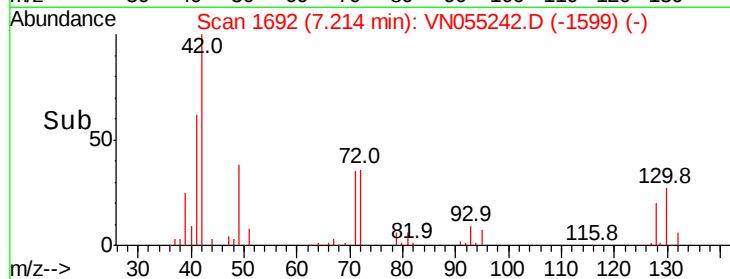
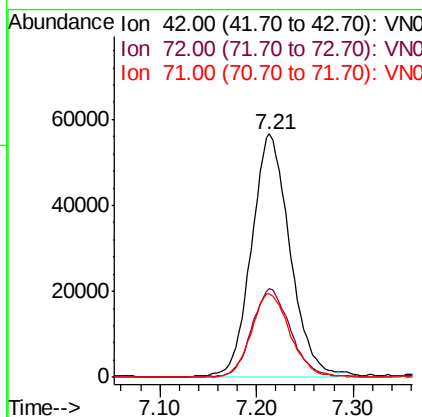
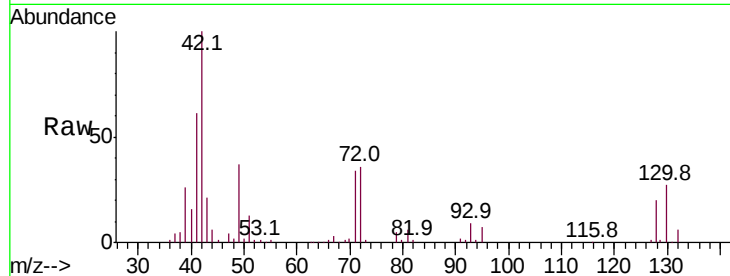
#29
Tetrahydrofuran
Concen: 109.338 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.2	29.4	44.2
71	35.1	27.8	41.8

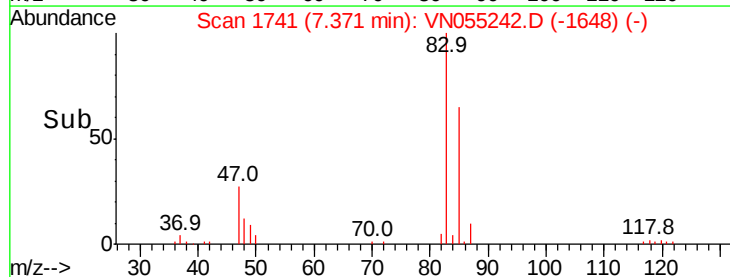
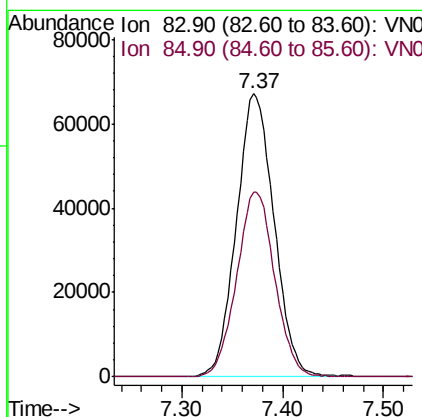
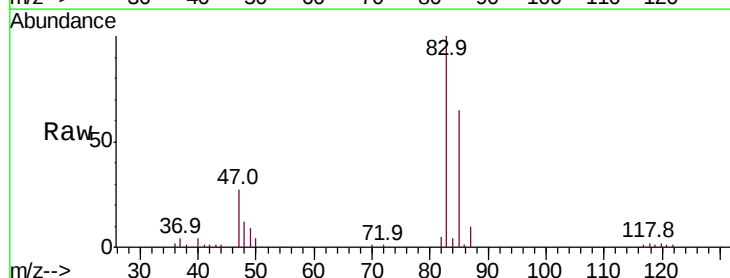
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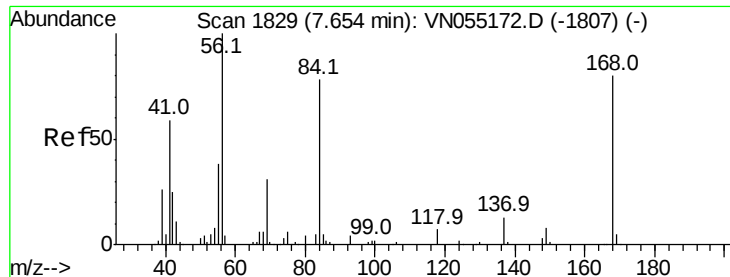
MMDadoda
4/26/2019 10:59:09 AM



#30
Chloroform
Concen: 21.022 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	76.0





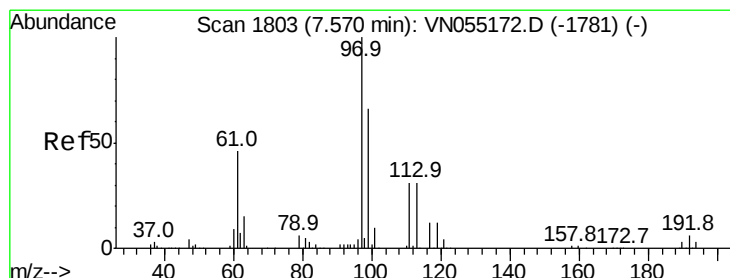
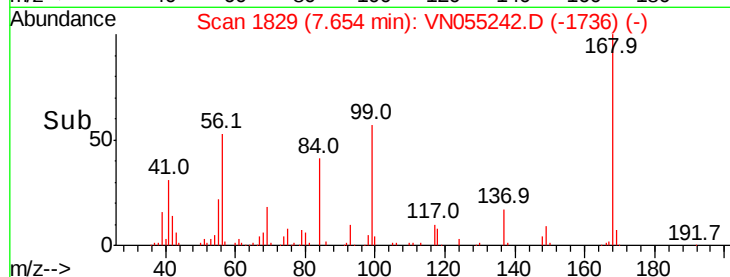
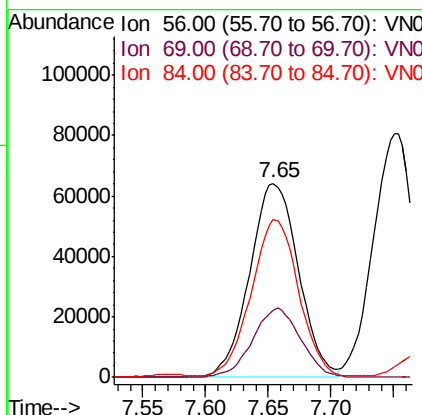
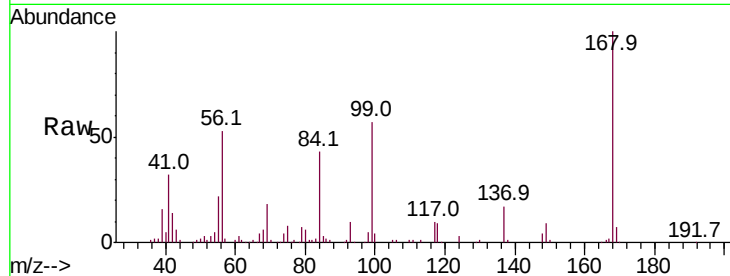
#31
Cyclohexane
Concen: 20.605 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	24.6	37.0
84	80.0	61.4	92.2

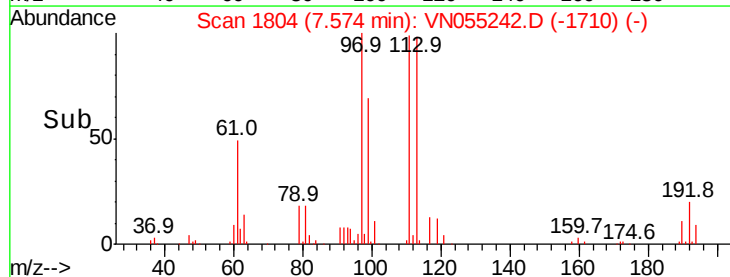
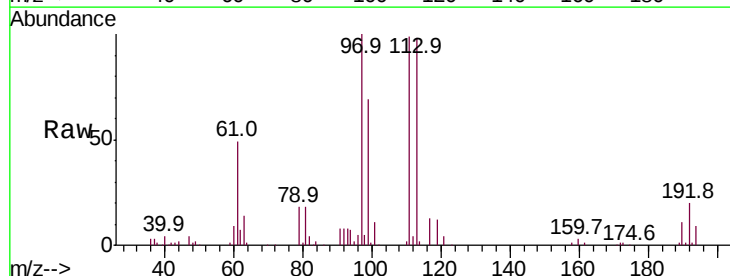
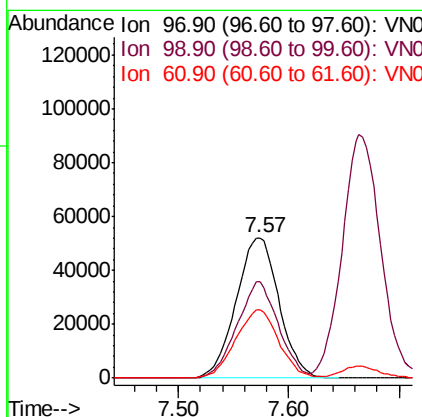
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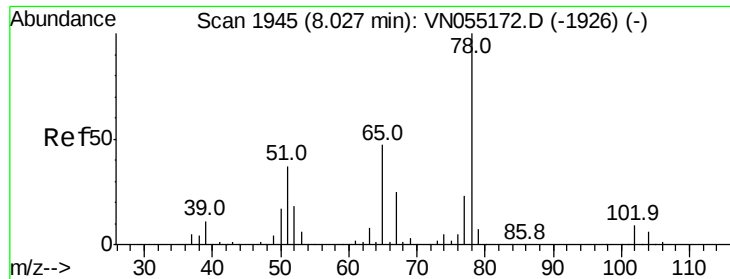
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#32
1,1,1-Trichloroethane
Concen: 21.129 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.1	76.7
61	48.7	38.3	57.5





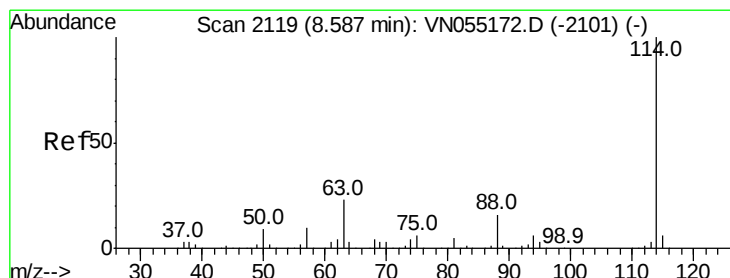
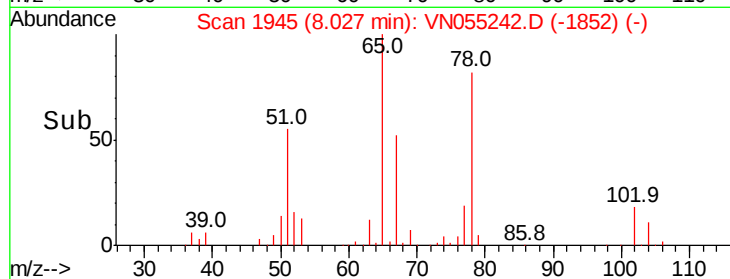
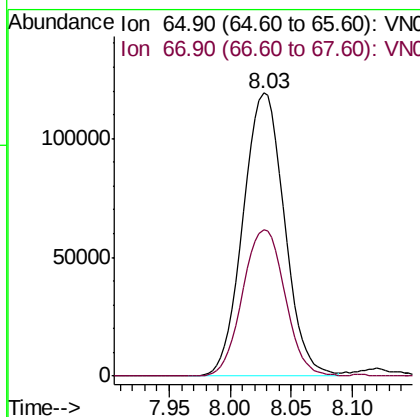
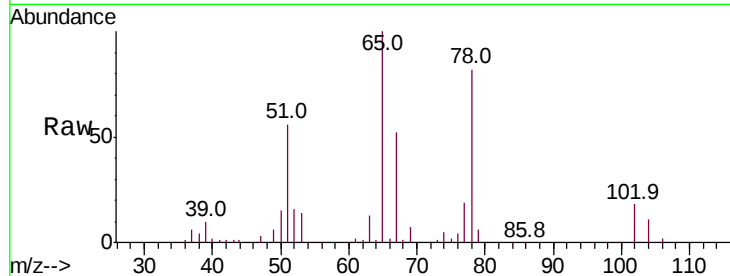
#33
 1,2-Dichloroethane-d4
 Concen: 51.895 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0425MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	280175		
67	52.9	0.0	108.6	

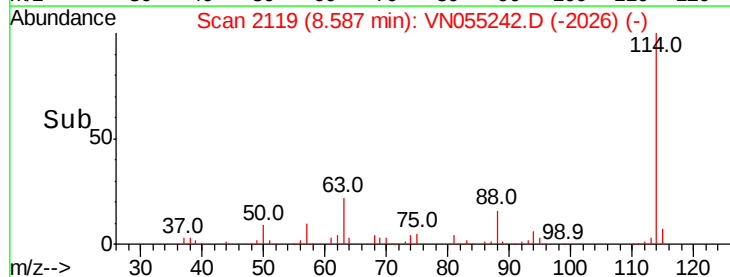
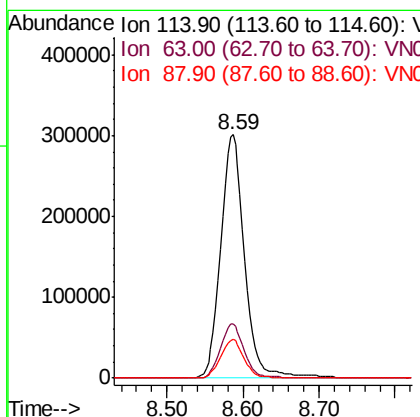
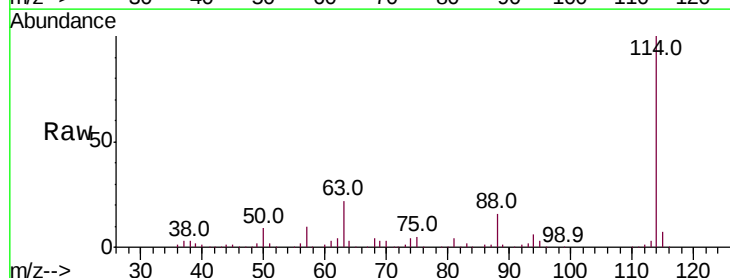
Manual Integrations
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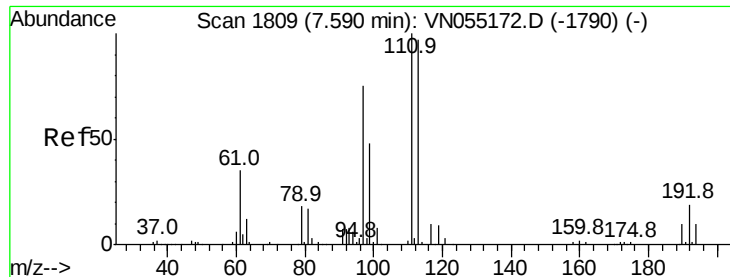
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	658461		
63	22.3	0.0	45.2	
88	15.8	0.0	32.8	





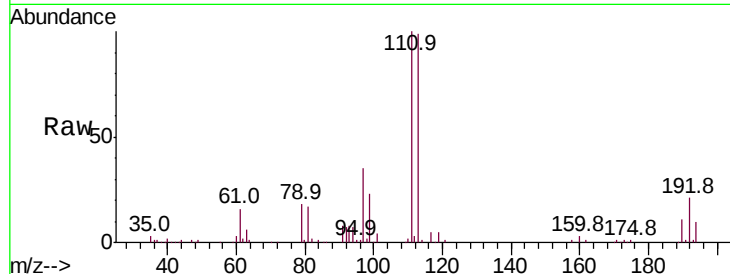
#35
 Dibromofluoromethane
 Concen: 49.630 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.0	121.4
192	21.1	16.2	24.4

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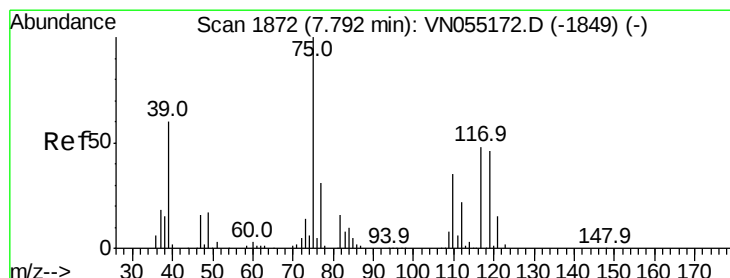
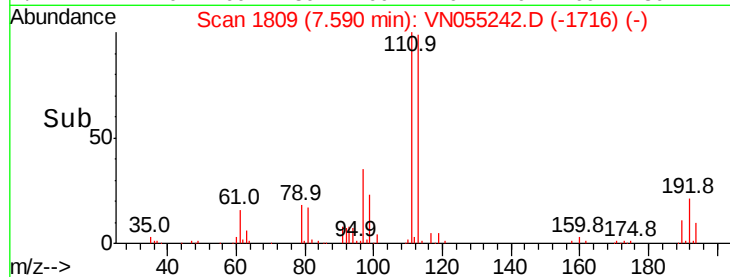
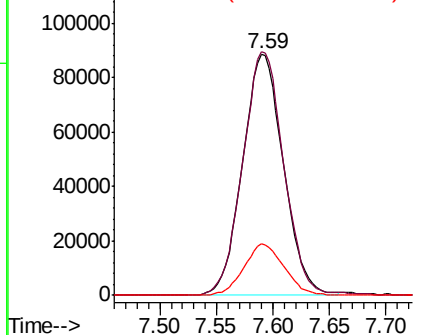


Abundance

Ion 112.80 (112.50 to 113.50): V

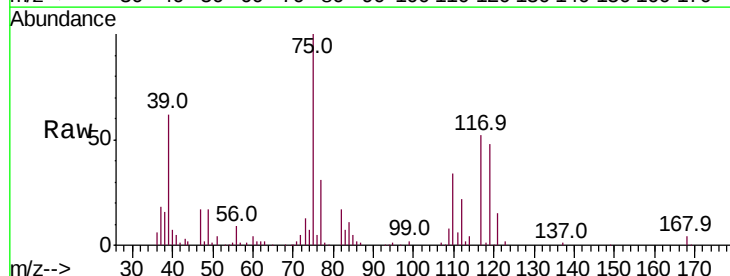
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 21.158 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.1	51.2
77	31.2	24.6	36.8

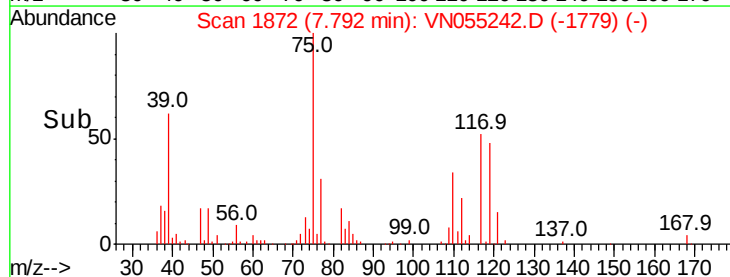
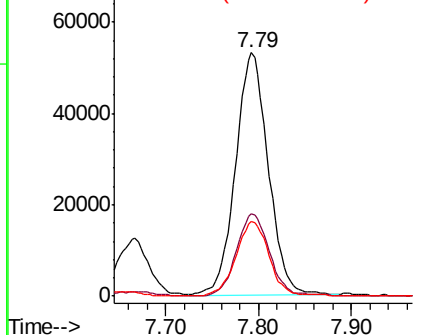


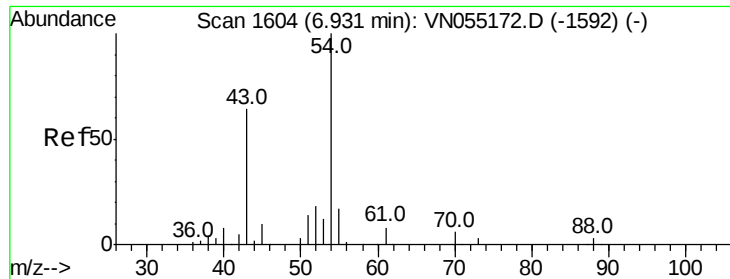
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 21.366 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

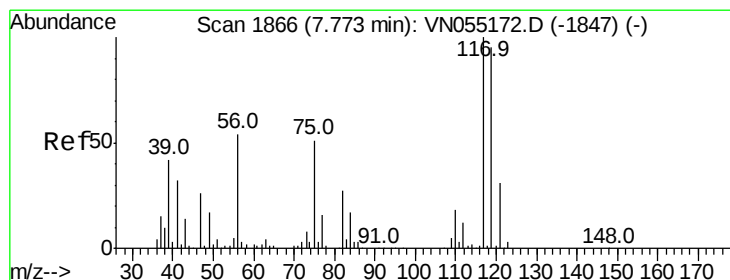
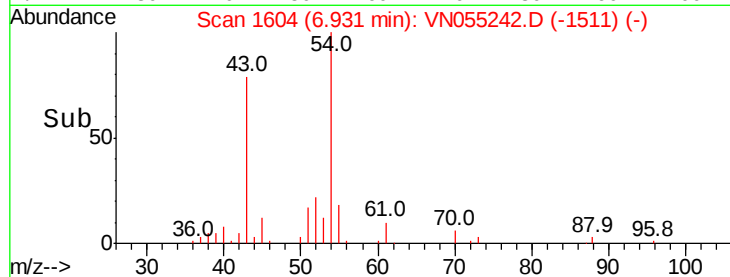
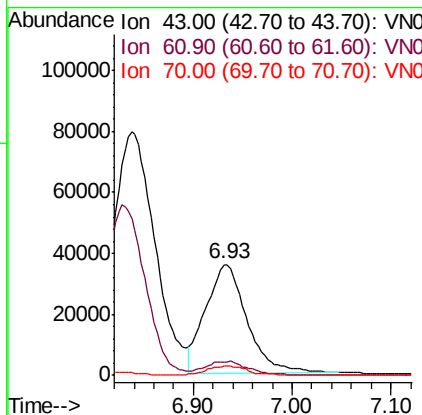
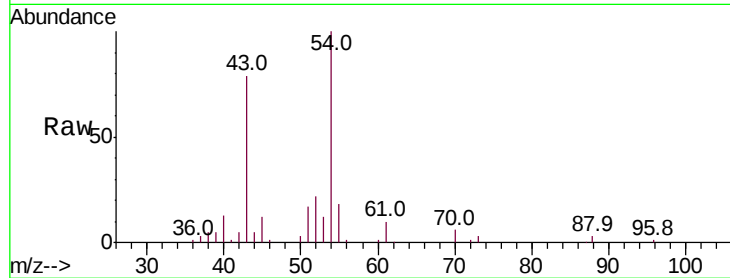
ClientSampled :

VN0425MBS01

Tot Ion:	43	Resp:	105380
Ion	Ratio	Lower	Upper
43	100		
61	13.2	9.7	14.5
70	8.5	6.9	10.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.114 ug/l

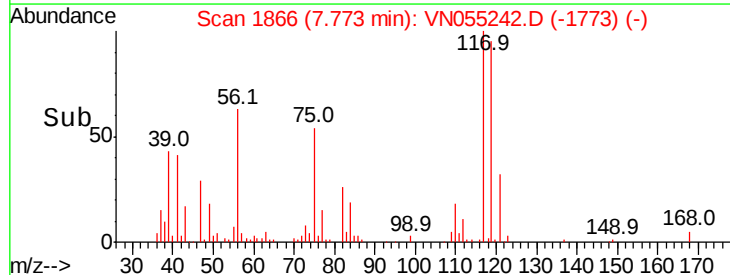
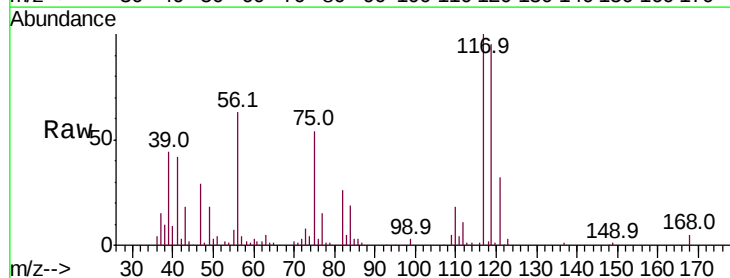
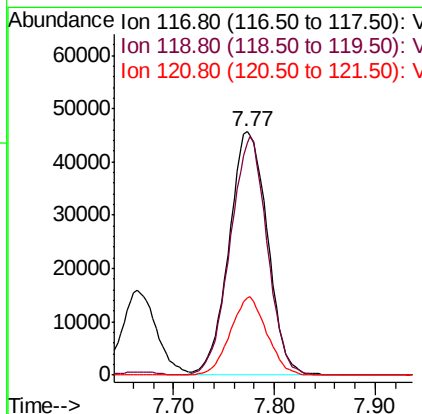
RT: 7.77 min Scan# 1866

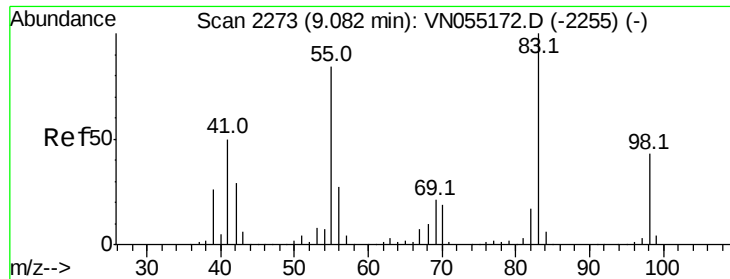
Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	117	Resp:	120836
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.0	114.0
121	31.9	24.6	36.8





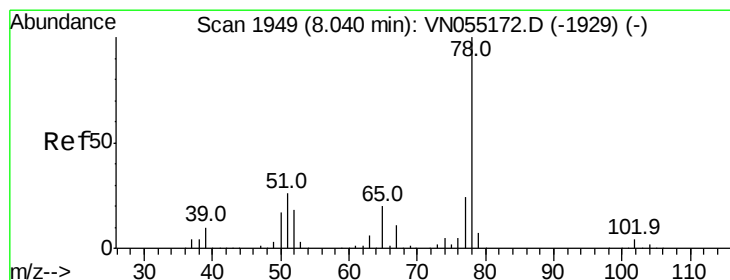
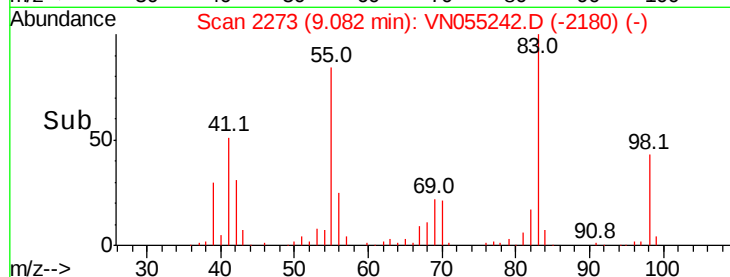
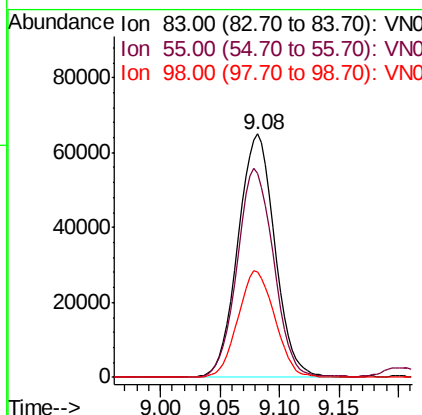
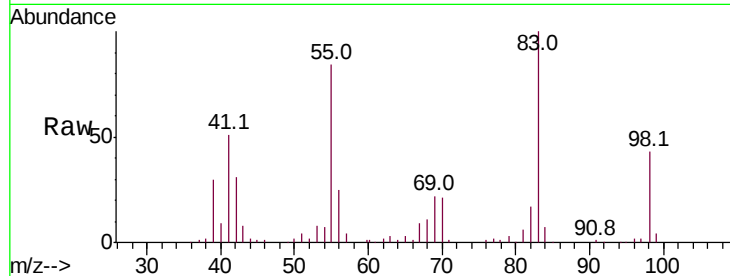
#39
Methvlcvclohexane
Concen: 19.172 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	83	Resp	139784
Ion Ratio	100	Lower	Upper
83	100		
55	83.8	67.4	101.0
98	43.3	34.7	52.1

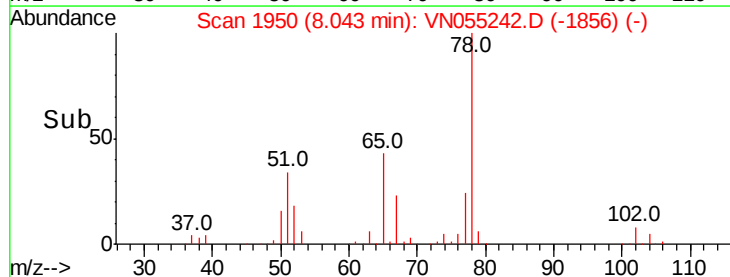
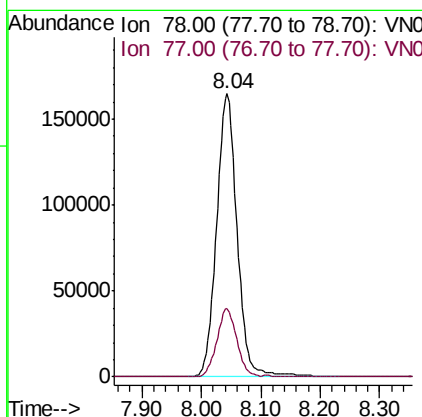
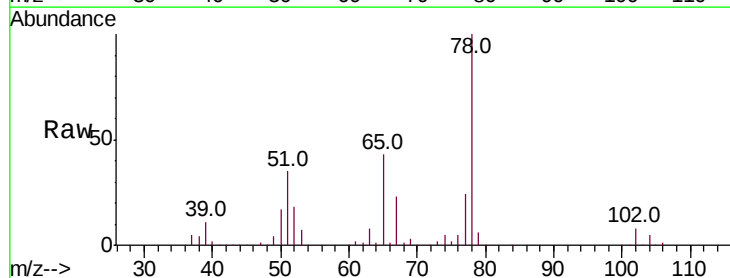
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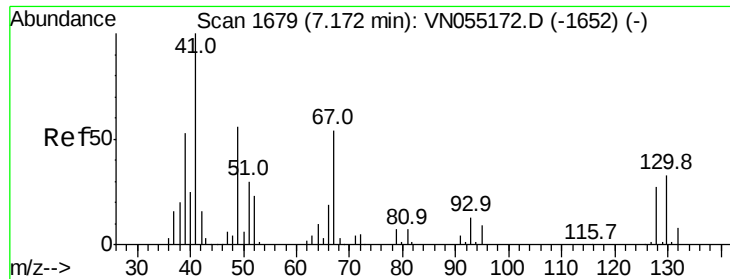
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#40
Benzene
Concen: 20.899 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion	78	Resp	394284
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.5	29.3





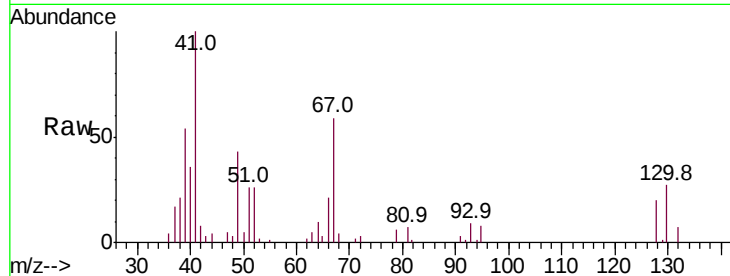
#41
Methacrylonitrile
Concen: 21.195 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	34.7	45.4	68.0#
67	74.5	54.6	81.8
52	33.5	22.8	34.2

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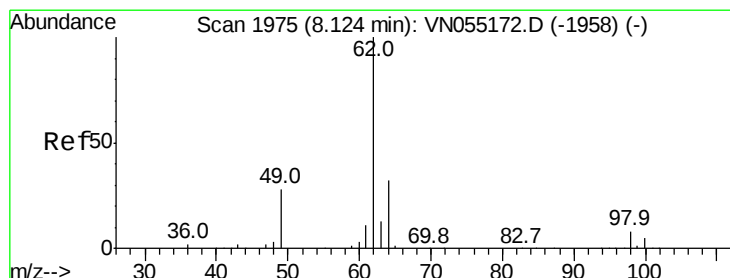
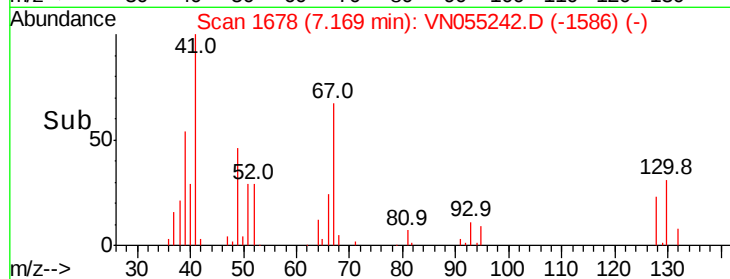
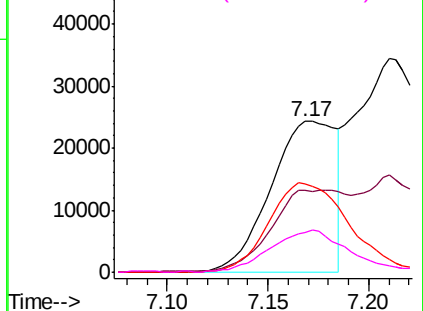
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

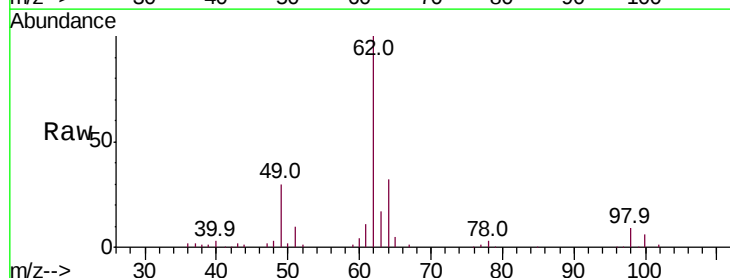
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 20.820 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

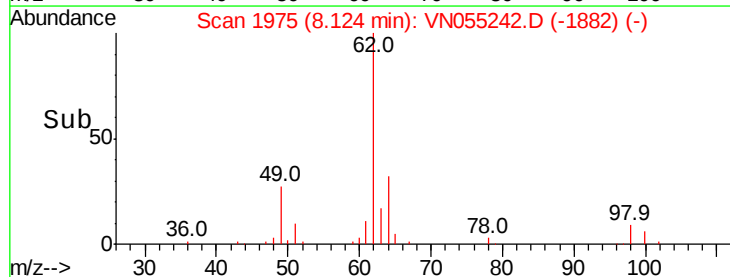
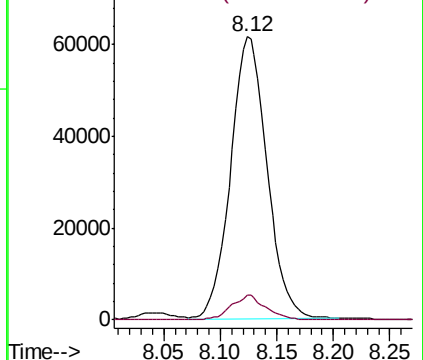
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0

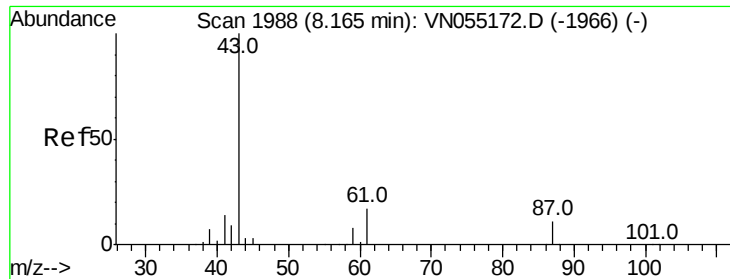


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 23.533 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

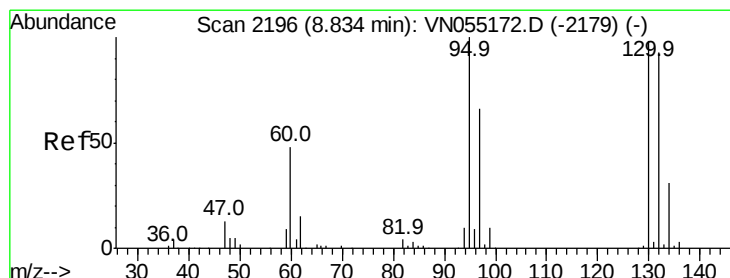
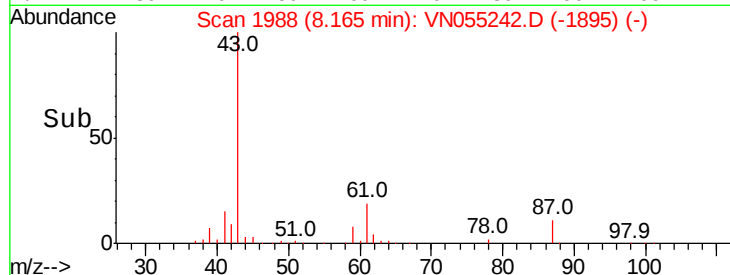
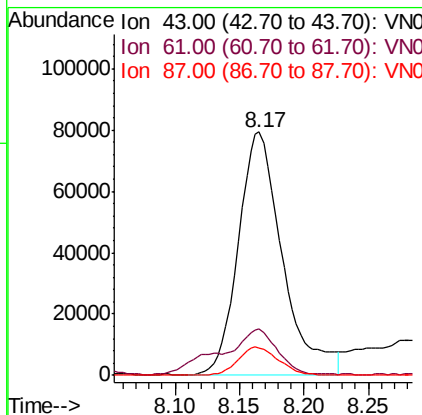
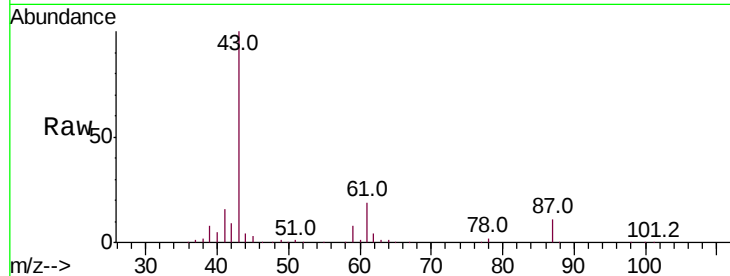
ClientSampleId :

VN0425MBS01

Tot Ion:	43	Resp:	187952
Ion	Ratio	Lower	Upper
43	100		
61	24.1	20.6	30.8
87	10.6	8.8	13.2

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#44

Trichloroethene

Concen: 20.164 ug/l

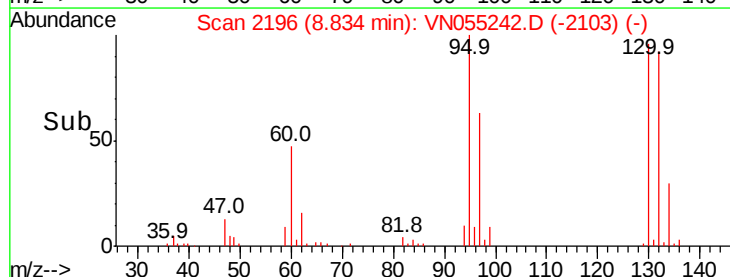
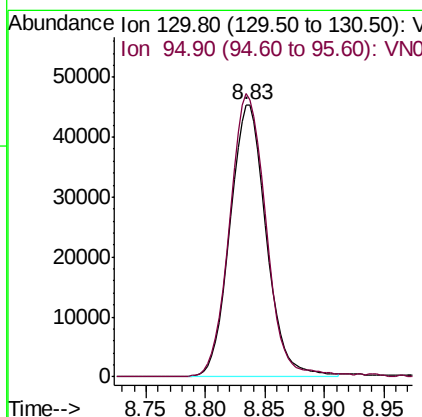
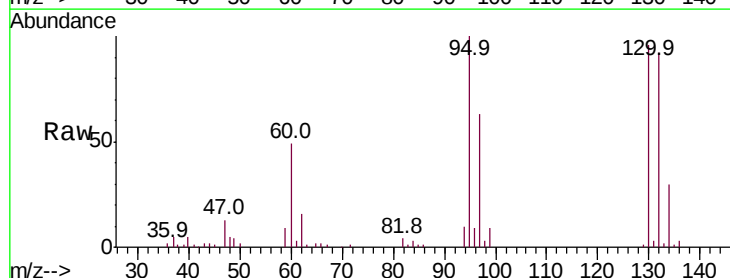
RT: 8.83 min Scan# 2196

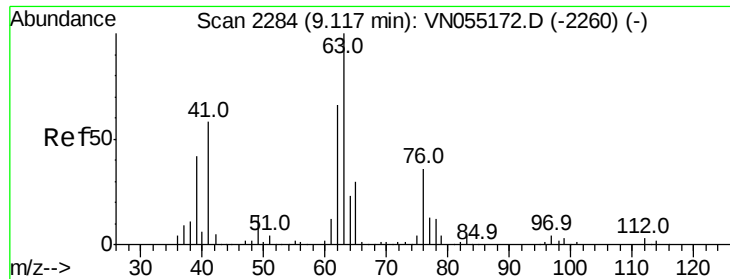
Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	130	Resp:	96151
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	203.6





#45

1,2-Dichloropropane

Concen: 20.792 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion: 63 Resp: 110724

Ion Ratio Lower Upper

63 100

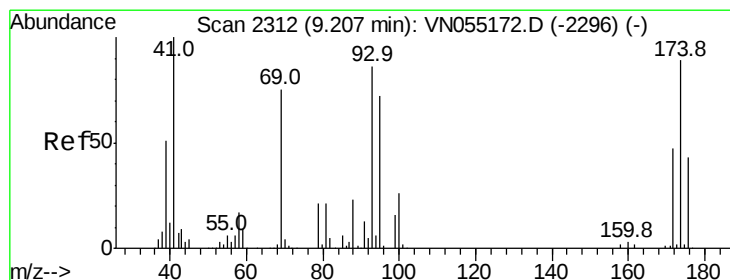
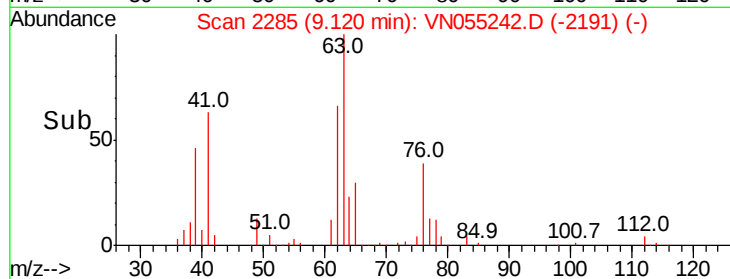
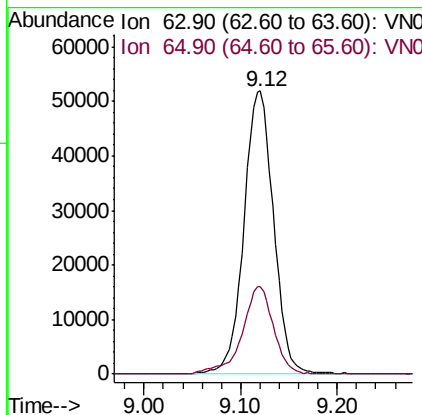
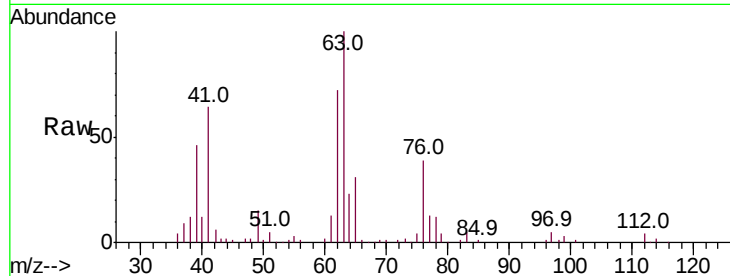
65 31.1 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 20.821 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

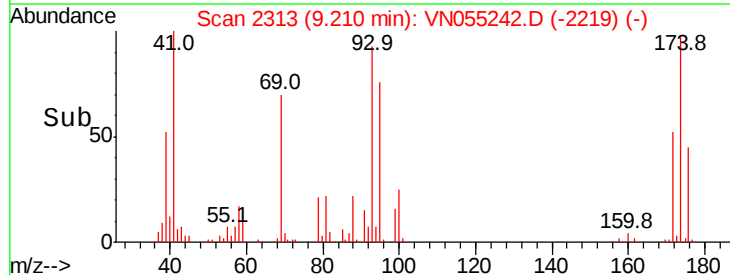
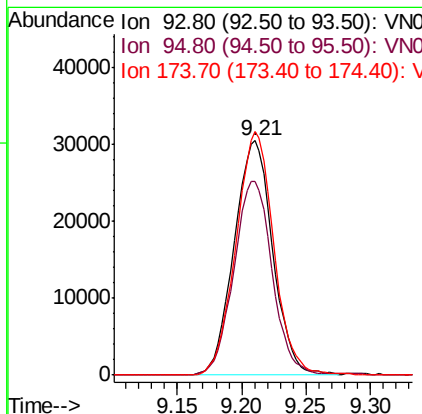
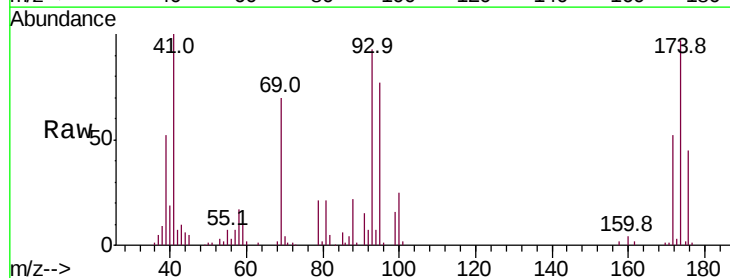
Tgt Ion: 93 Resp: 63475

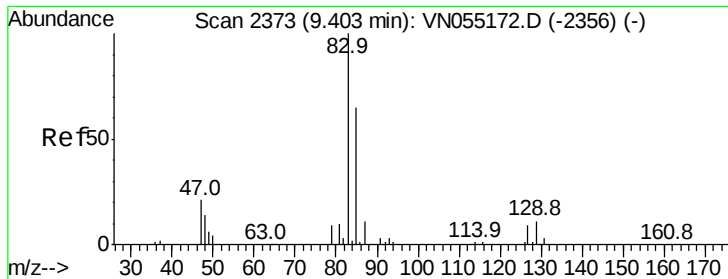
Ion Ratio Lower Upper

93 100

95 82.0 67.6 101.4

174 101.8 83.4 125.2





#47

Bromodichloromethane

Concen: 20.966 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

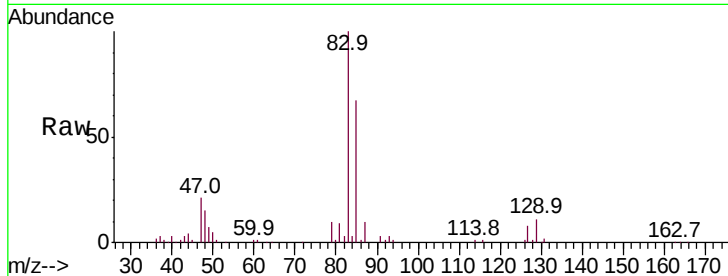
ClientSampleId :

VN0425MBS01

Tot Ion:	83	Resp:	127953
Ion Ratio	Lower	Upper	
83	100		
85	67.5	52.1	78.1
127	8.0	6.9	10.3

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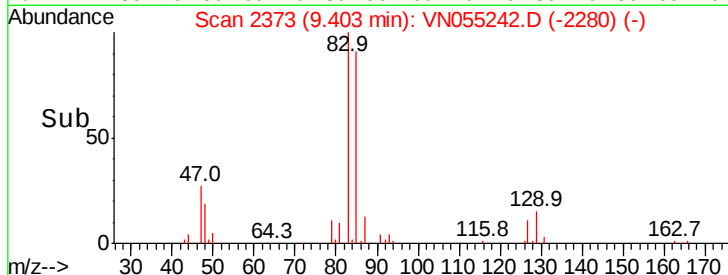


Abundance Ion 82.90 (82.60 to 83.60): VN055172.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055172.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055172.D (-2356) (-)

Time-->

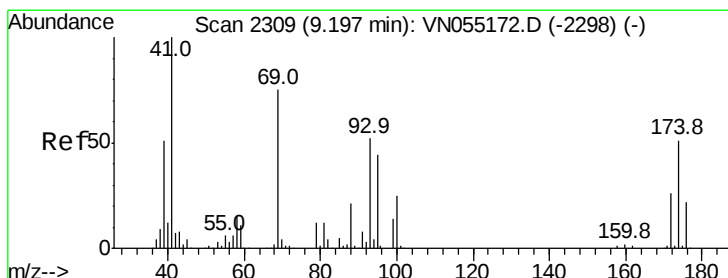


Abundance Ion 82.90 (82.60 to 83.60): VN055242.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055242.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055242.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 22.201 ug/l

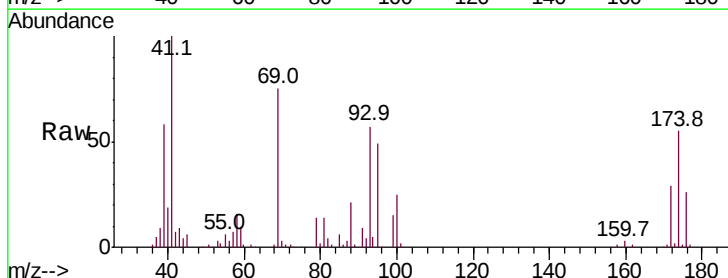
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	41	Resp:	86013
Ion Ratio	Lower	Upper	
41	100		
69	73.5	63.6	95.4
39	56.4	43.8	65.8

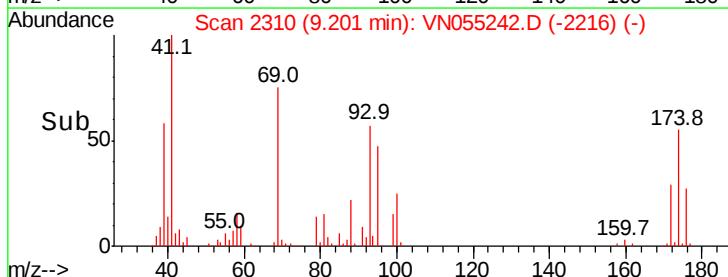


Abundance Ion 41.00 (40.70 to 41.70): VN055172.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN055172.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN055172.D (-2298) (-)

Time-->

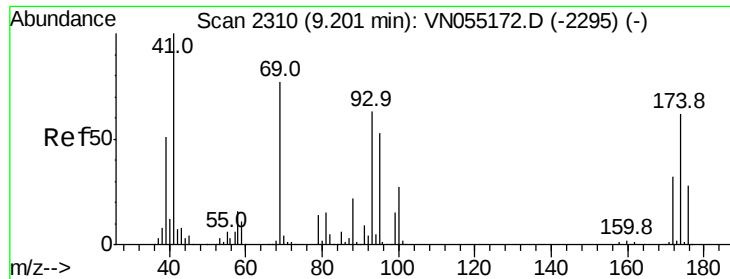


Abundance Ion 41.00 (40.70 to 41.70): VN055242.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN055242.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN055242.D (-2216) (-)

Time-->



#49

1,4-Dioxane

Concen: 424.802 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055242.D

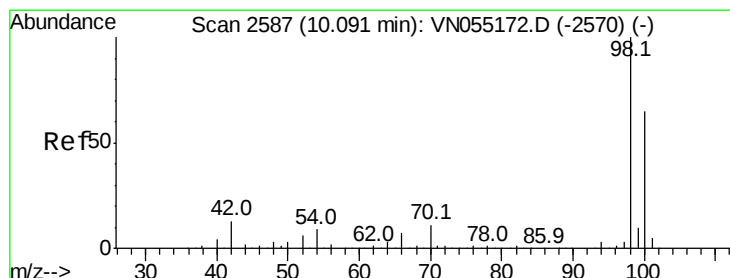
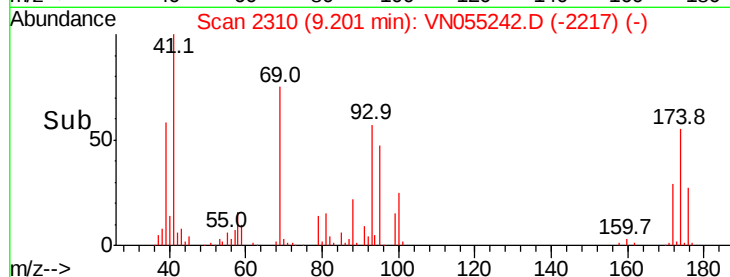
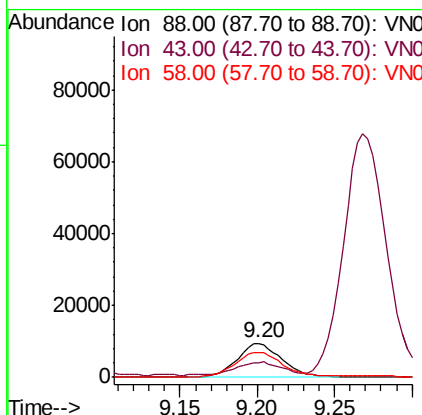
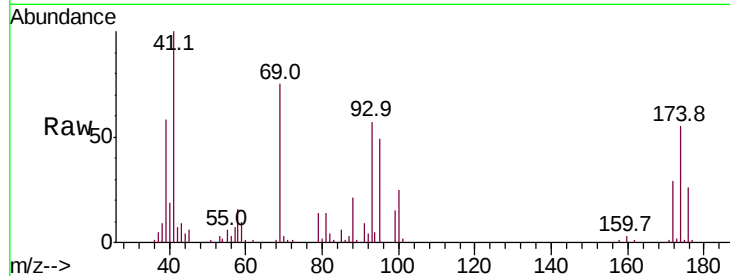
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion:	88	Resp:	19006
Ion	Ratio	Lower	Upper
88	100		
43	35.1	32.0	48.0
58	79.3	60.4	90.6

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#50

Toluene-d8

Concen: 49.209 ug/l

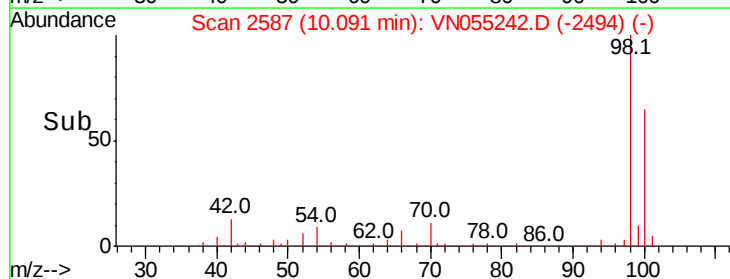
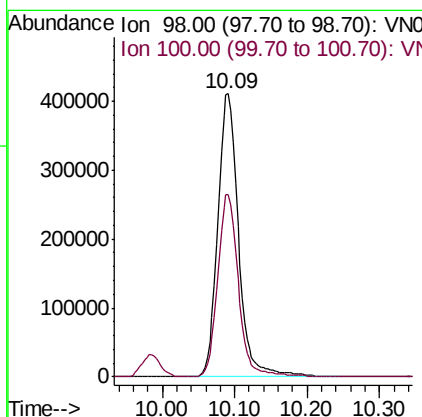
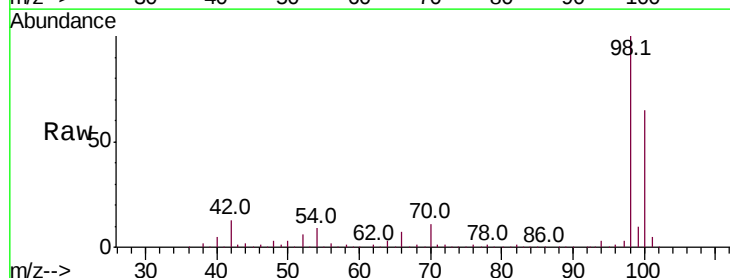
RT: 10.09 min Scan# 2587

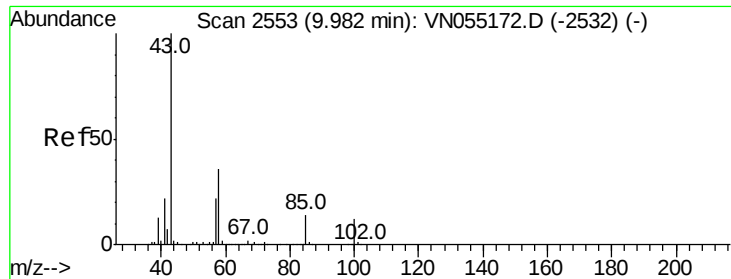
Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	98	Resp:	815596
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 107.095 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion: 43 Resp: 492199

Ion Ratio Lower Upper

43 100

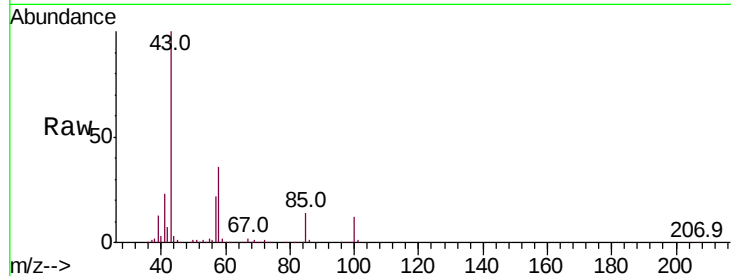
58 35.9 28.3 42.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

250000

200000

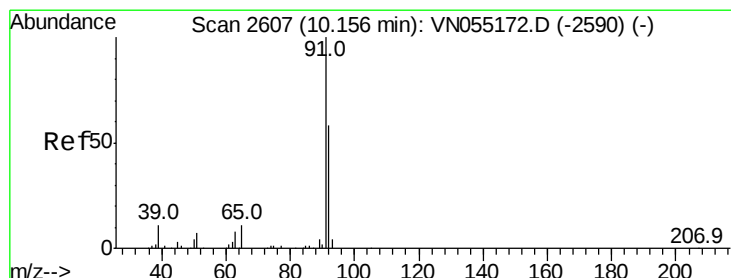
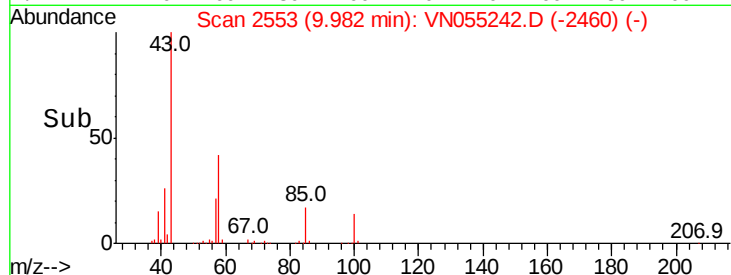
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.489 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055242.D

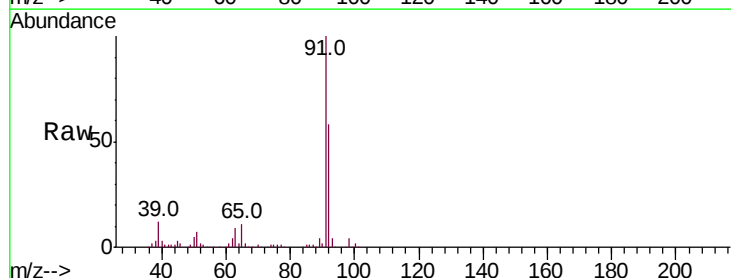
Acq: 25 Apr 2019 13:27

Tgt Ion: 92 Resp: 226610

Ion Ratio Lower Upper

92 100

91 176.8 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

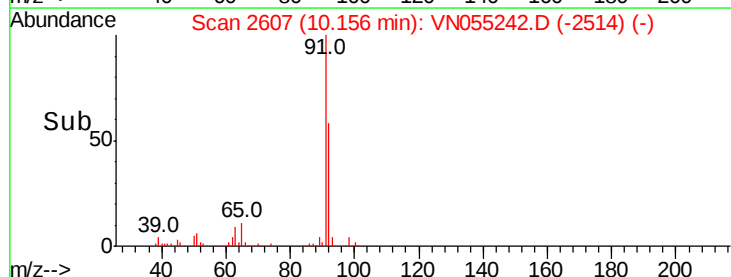
150000

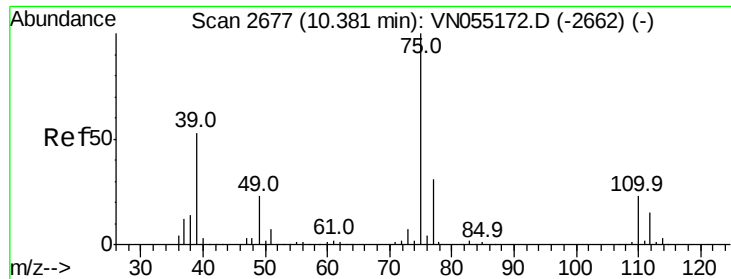
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.489 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0425MBS01

Tot Ion: 75 Resp: 120352

Ion Ratio Lower Upper

75 100

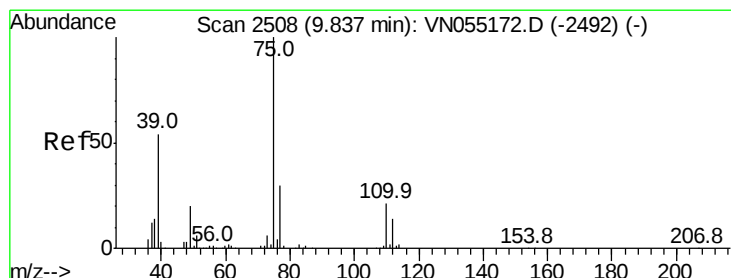
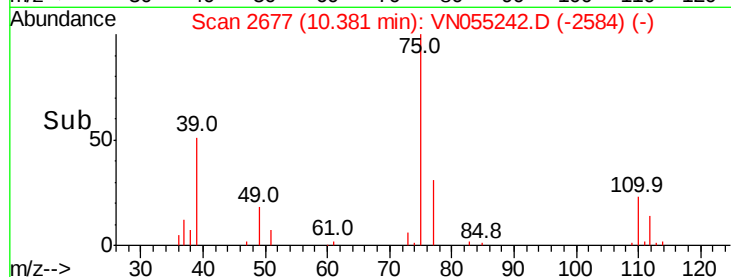
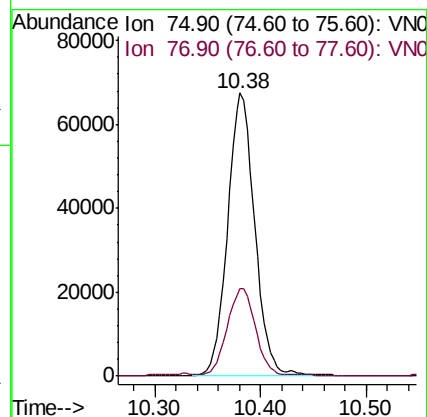
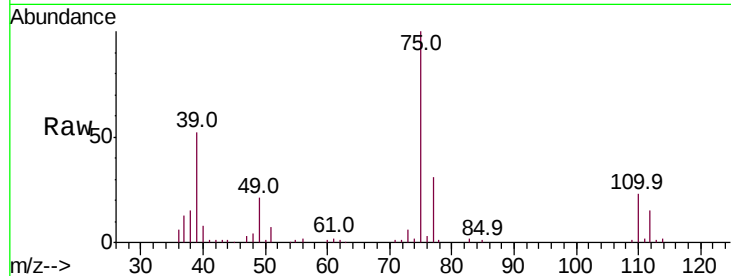
77 30.7 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.926 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

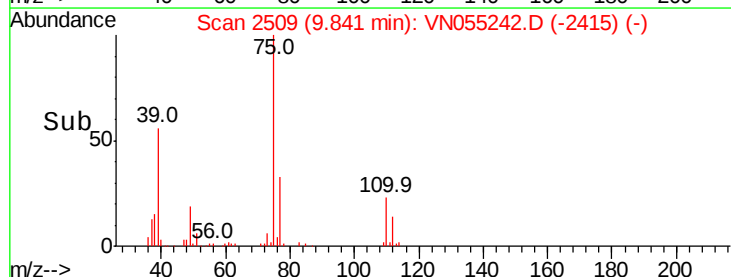
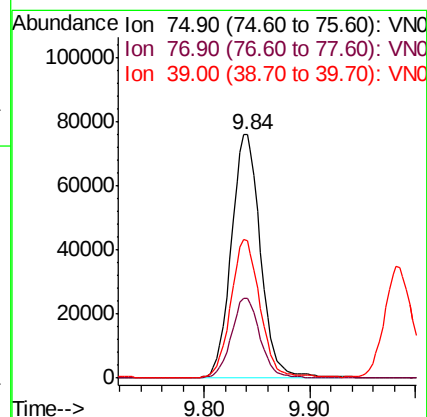
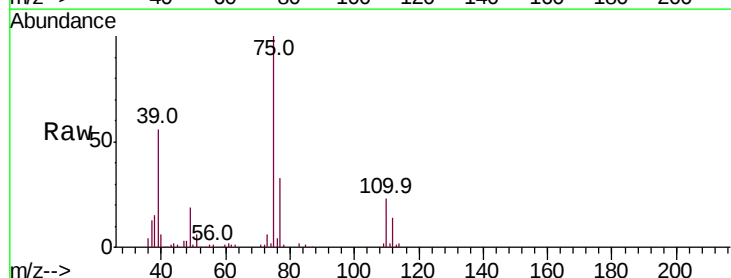
Tgt Ion: 75 Resp: 145438

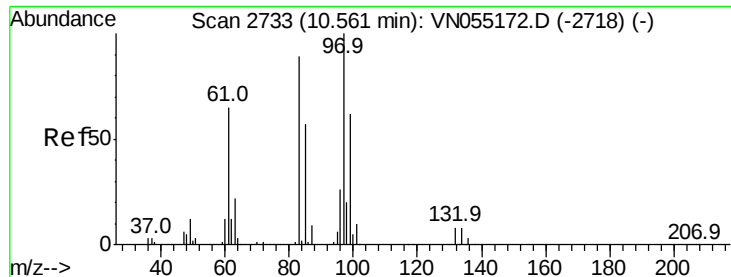
Ion Ratio Lower Upper

75 100

77 32.7 24.3 36.5

39 56.2 43.0 64.4





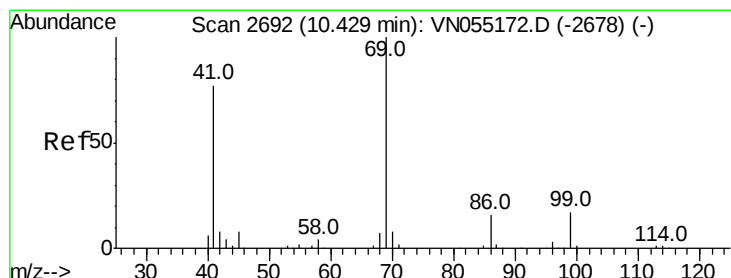
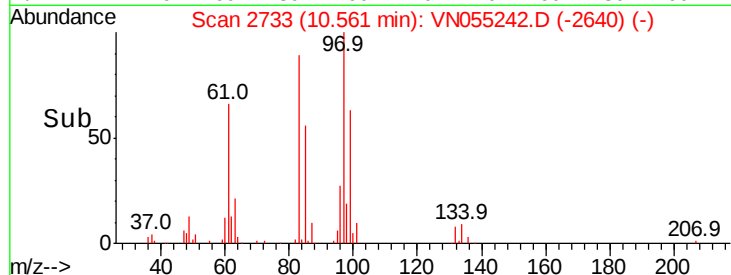
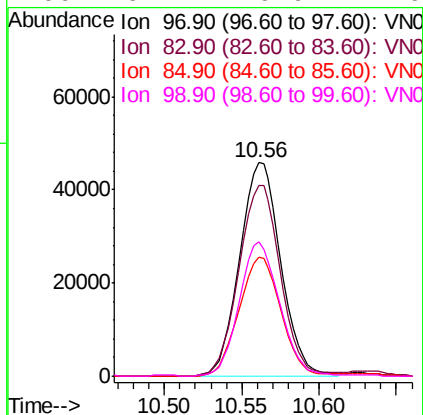
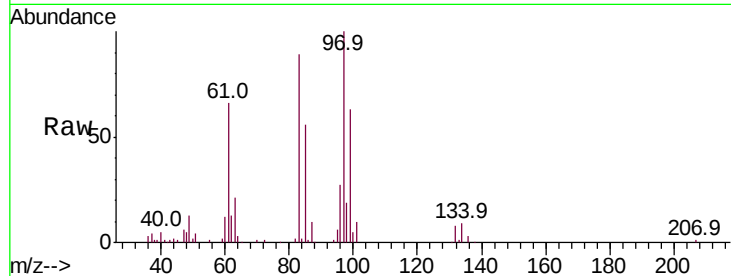
#55
 1,1,2-Trichloroethane
 Concen: 20.828 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425MBS01

Tot Ion:	97	Resp:	84924
Ion	Ratio	Lower	Upper
97	100		
83	89.2	71.5	107.3
85	55.8	45.8	68.6
99	62.7	49.9	74.9

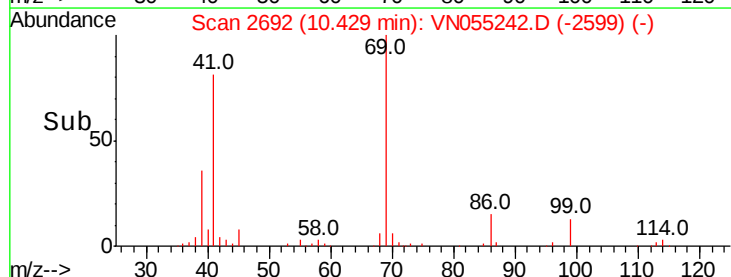
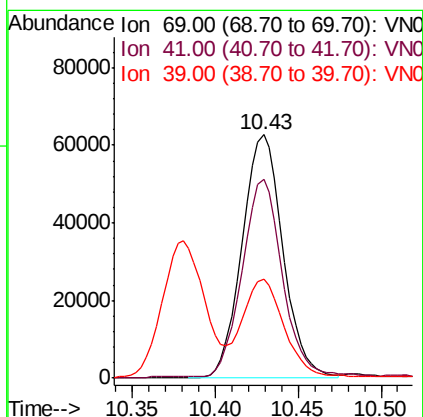
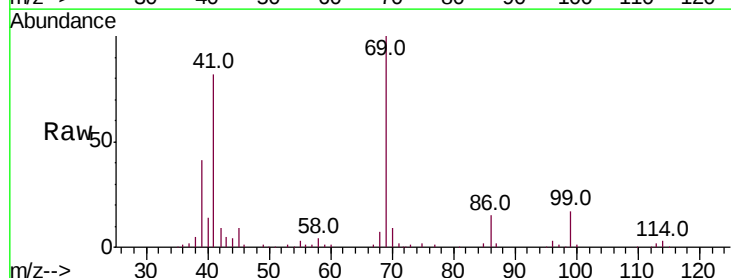
Manual Integrations
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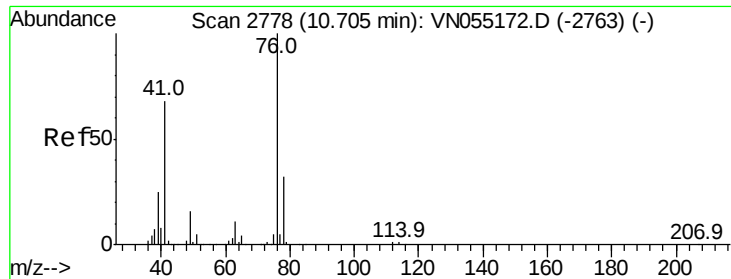
MMDadoda
 4/26/2019 10:59:09 AM



#56
 Ethyl methacrylate
 Concen: 21.212 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Tgt Ion:	69	Resp:	107744
Ion	Ratio	Lower	Upper
69	100		
41	79.2	60.6	90.8
39	40.1	31.7	47.5





#57

1,3-Dichloropropane

Concen: 21.090 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion: 76 Resp: 149613

Ion Ratio Lower Upper

76 100

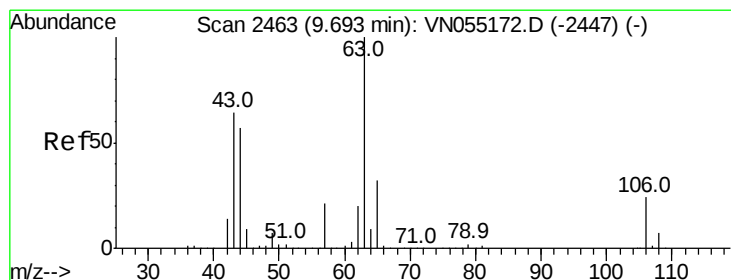
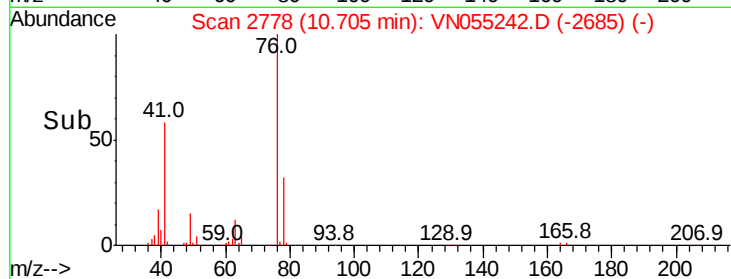
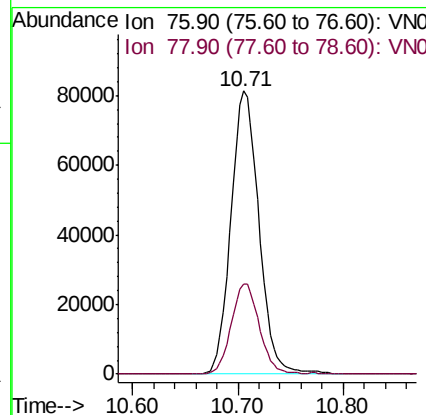
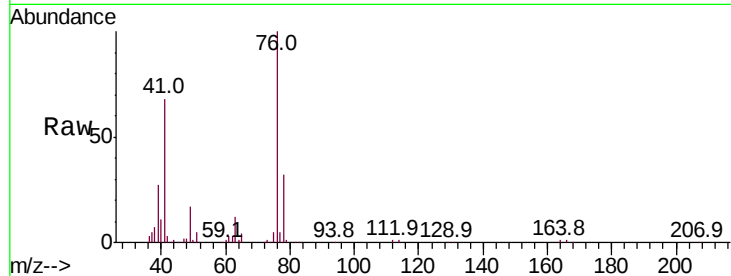
78 31.9 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 90.277 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055242.D

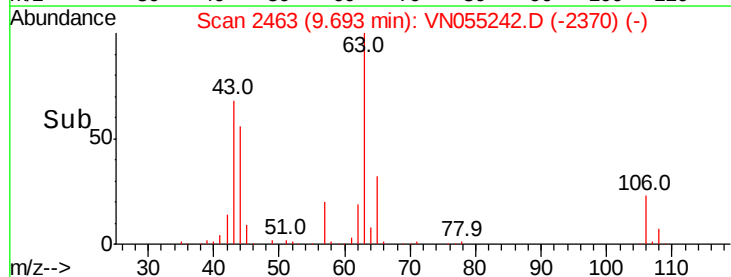
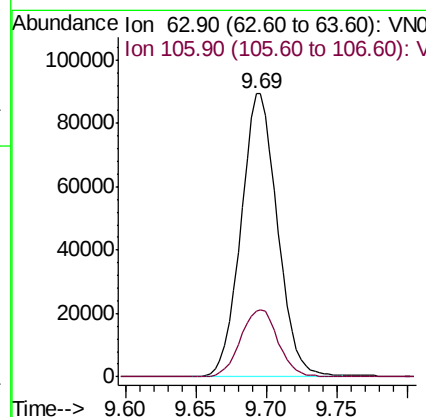
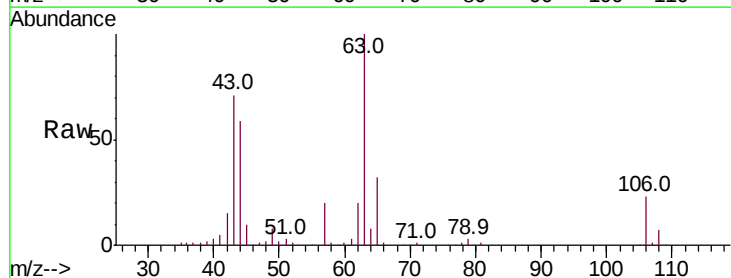
Acq: 25 Apr 2019 13:27

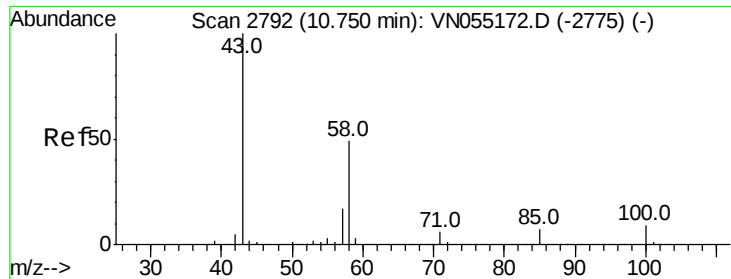
Tgt Ion: 63 Resp: 161918

Ion Ratio Lower Upper

63 100

106 24.4 19.4 29.0





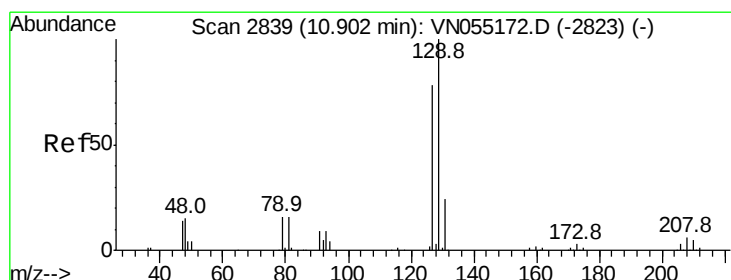
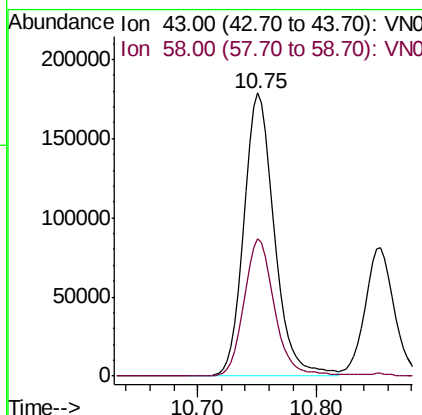
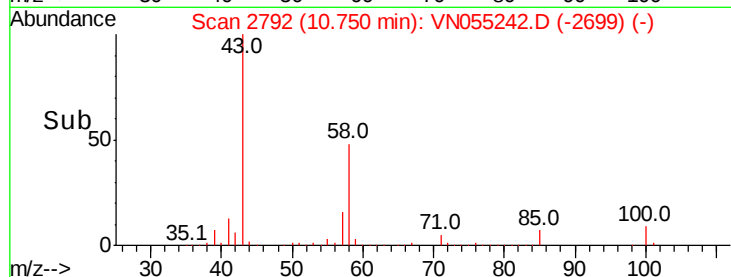
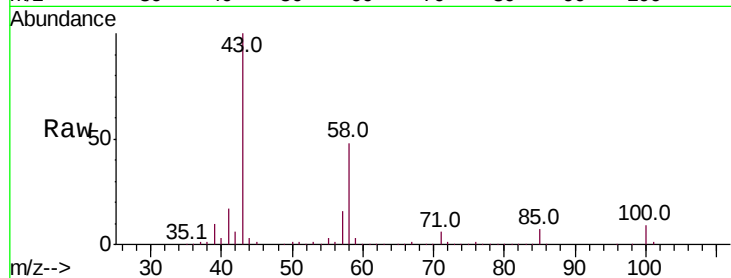
#59
2-Hexanone
Concen: 108.733 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion: 43 Resp: 315651
Ion Ratio Lower Upper
43 100
58 48.8 24.5 73.5

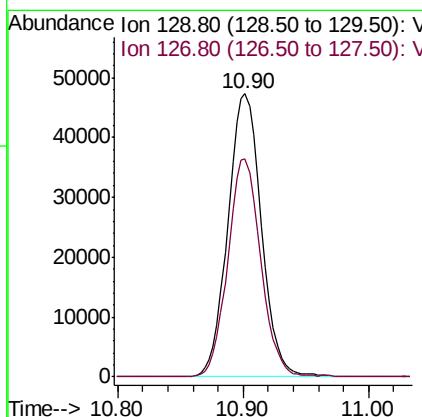
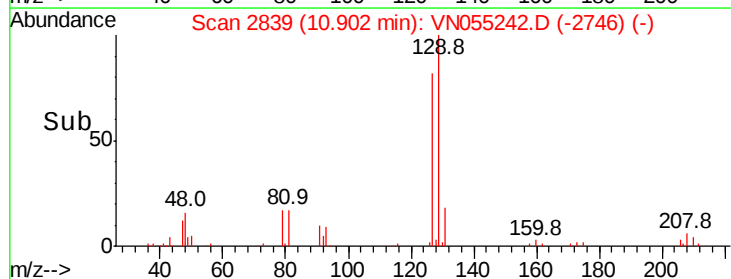
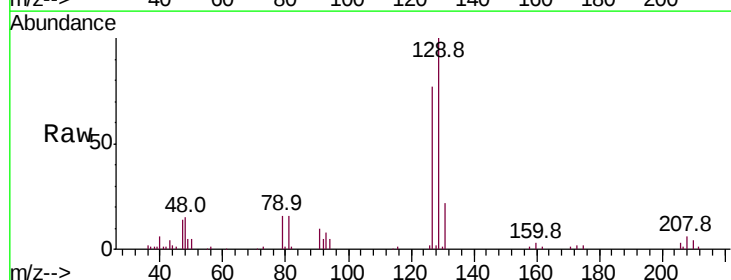
Manual Integrations
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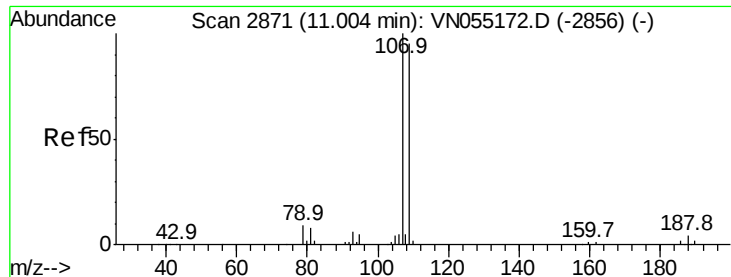
MMDadoda
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#60
Dibromochloromethane
Concen: 20.901 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion: 129 Resp: 87779
Ion Ratio Lower Upper
129 100
127 75.6 39.0 117.0





#61

1,2-Dibromoethane

Concen: 21.411 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion:107 Resp: 82081

Ion Ratio Lower Upper

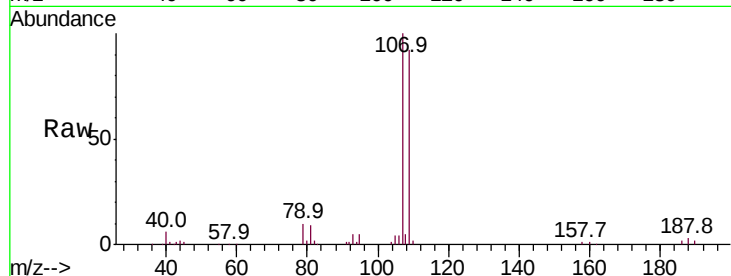
107 100

109 91.9 75.8 113.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

50000

40000

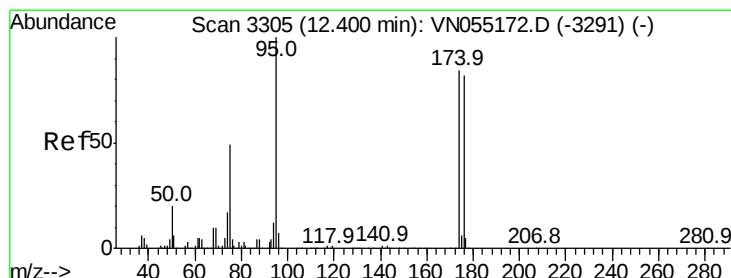
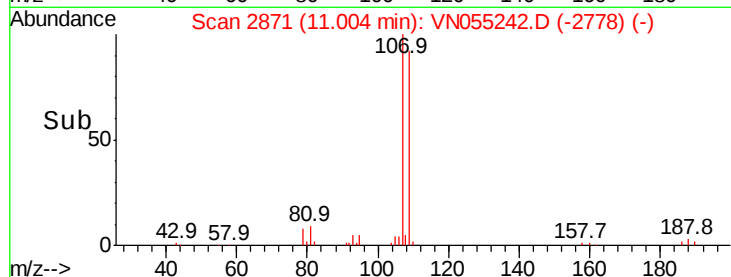
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.026 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

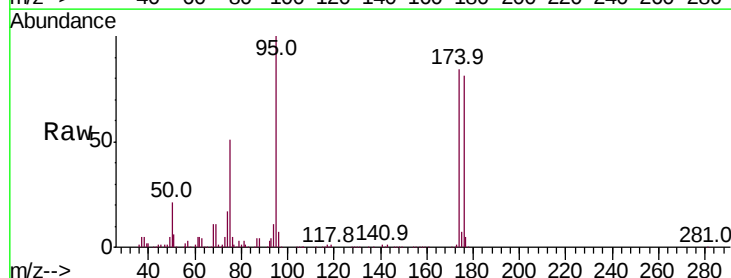
Tgt Ion: 95 Resp: 262566

Ion Ratio Lower Upper

95 100

174 83.8 0.0 168.4

176 81.3 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

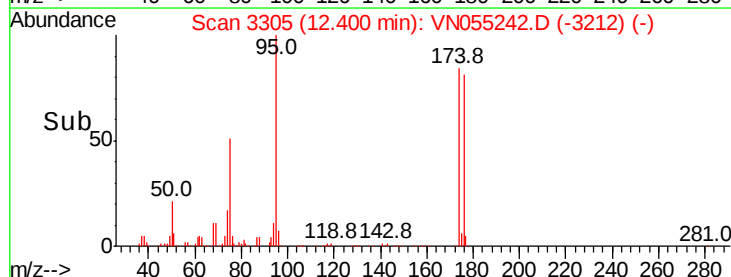
150000

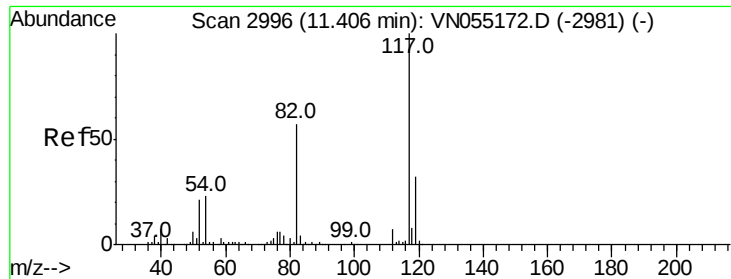
100000

50000

0

Time--> 12.35 12.40 12.45





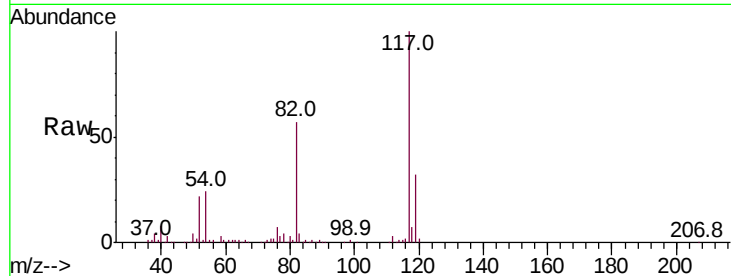
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.7	68.5
119	31.9	25.4	38.2

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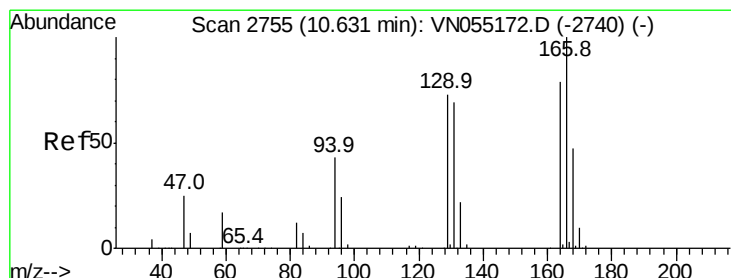
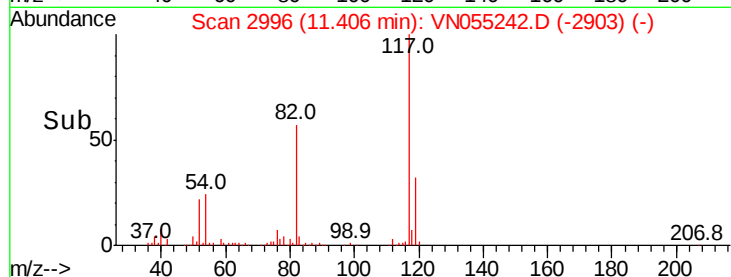
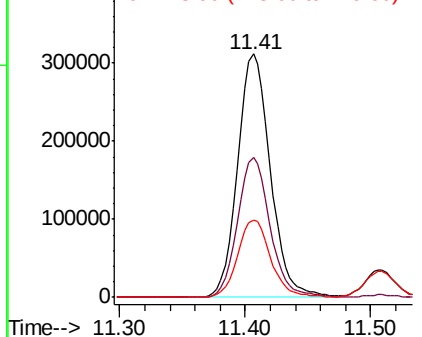


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.361 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.9	152.9
129	94.0	74.1	111.1
131	89.9	70.6	106.0

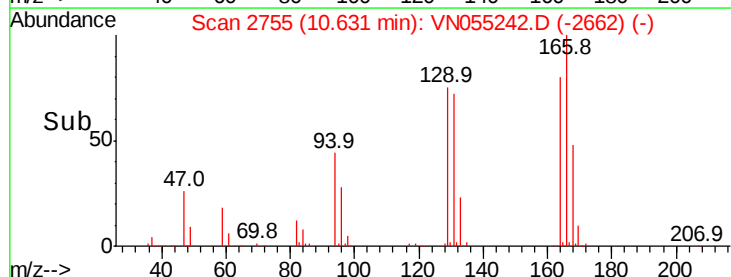
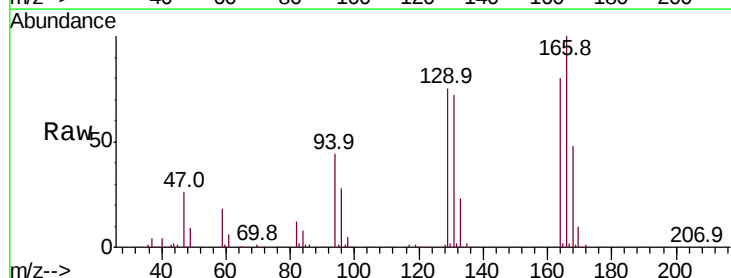
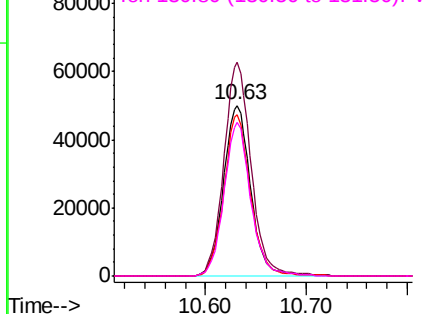
Abundance

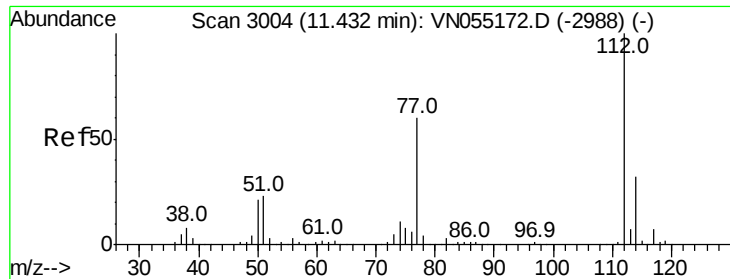
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





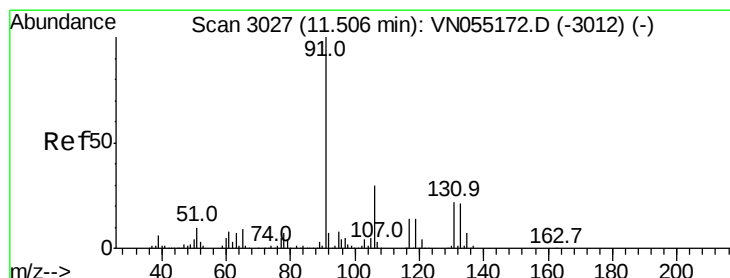
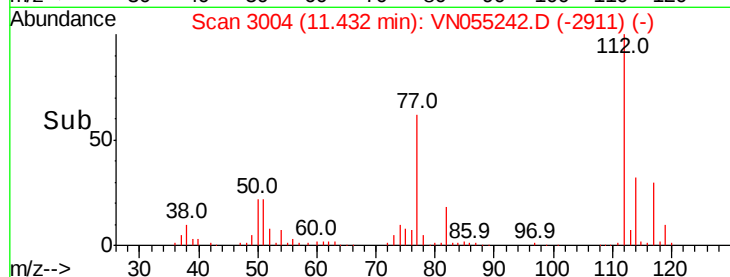
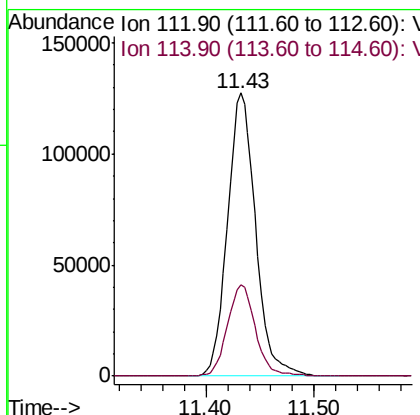
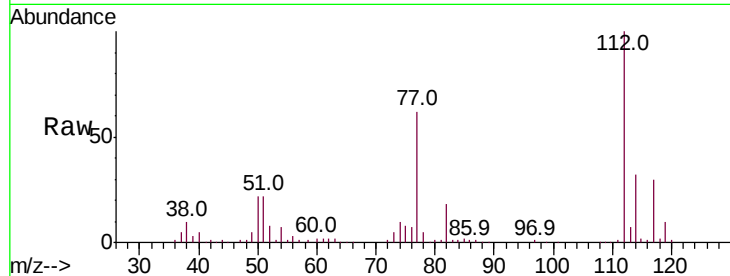
#65
Chlorobenzene
Concen: 20.101 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0425MBS01

Tot Ion:112 Resp: 231774
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

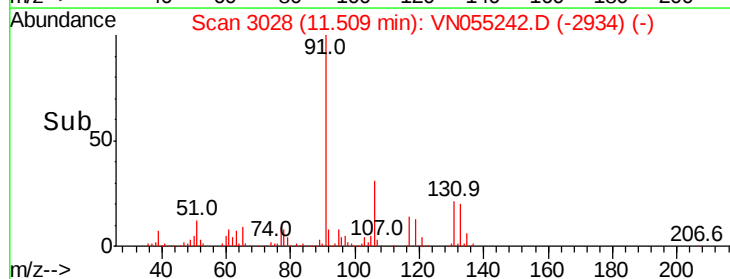
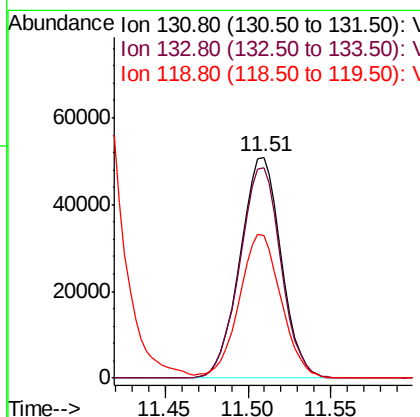
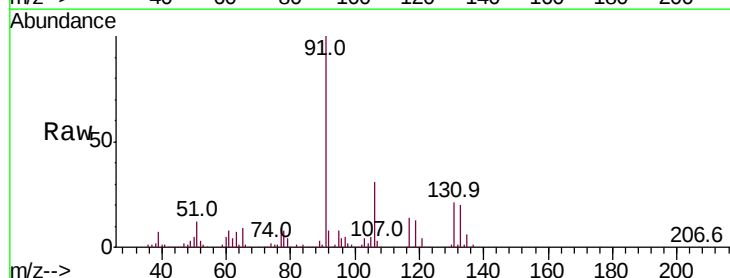
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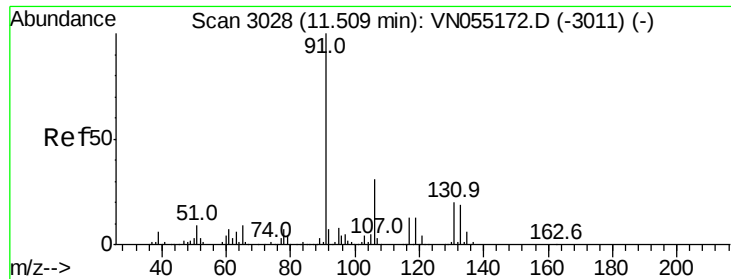
MMdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.540 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion:131 Resp: 87778
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 66.7 33.2 99.6





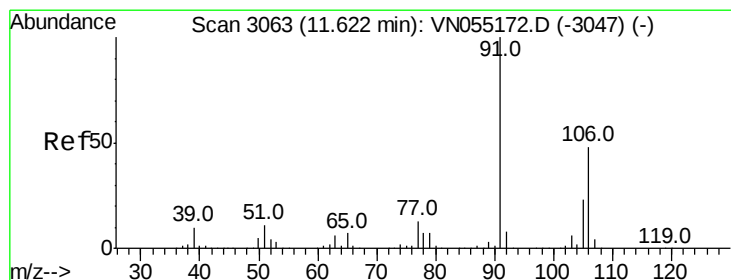
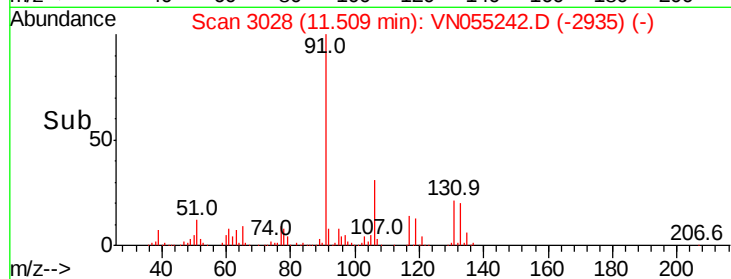
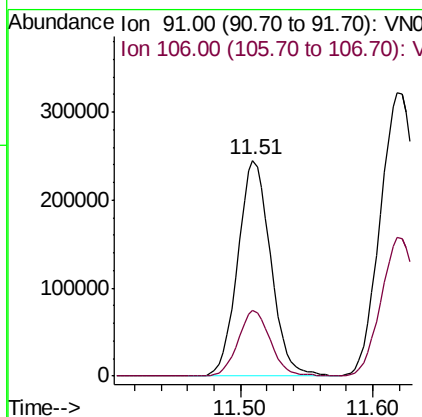
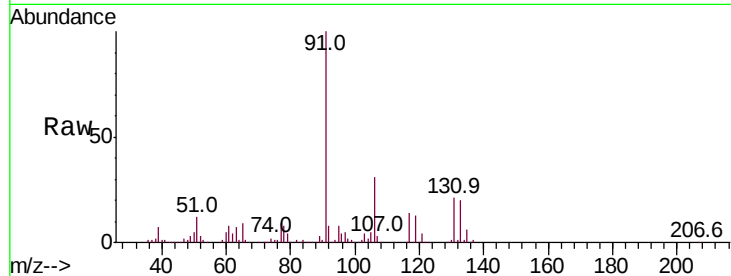
#67
Ethyl Benzene
Concen: 20.524 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion: 91 Resp: 421559
Ion Ratio Lower Upper
91 100
106 30.6 24.5 36.7

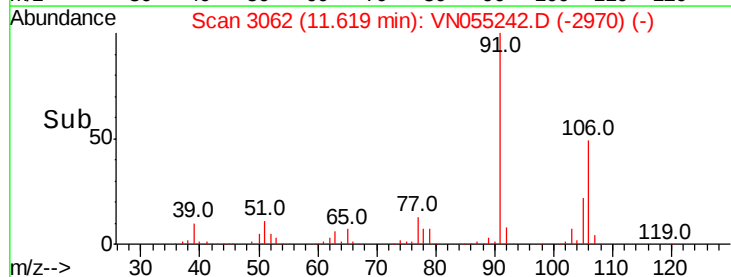
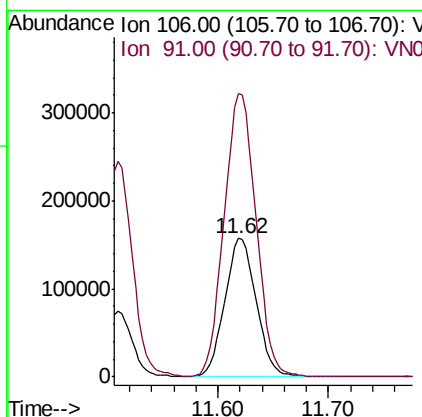
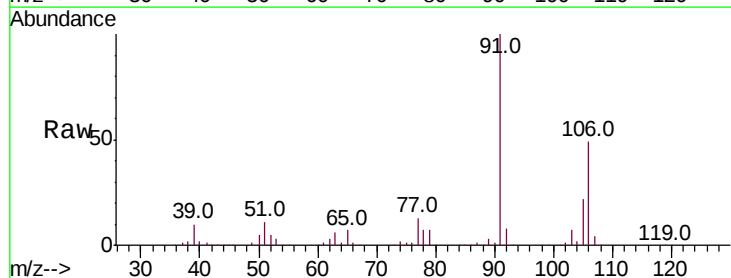
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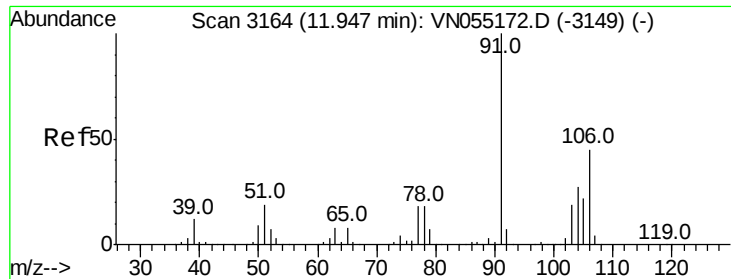
MMDadoda
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#68
m/p-Xylenes
Concen: 42.178 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion: 106 Resp: 310710
Ion Ratio Lower Upper
106 100
91 207.6 167.1 250.7





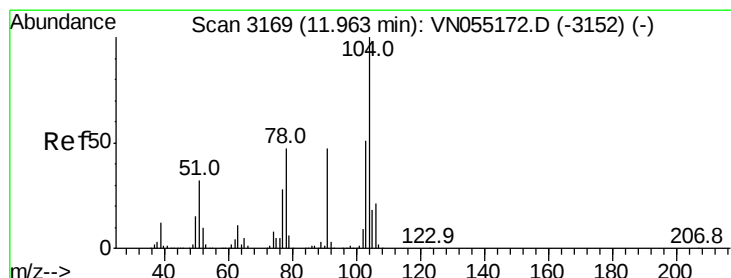
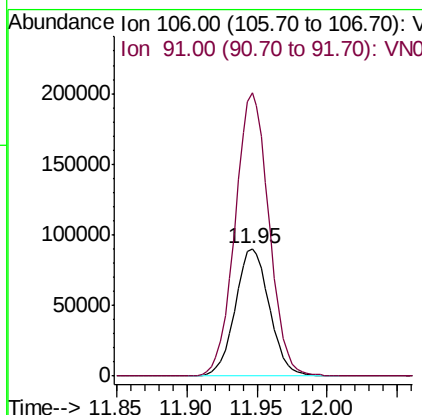
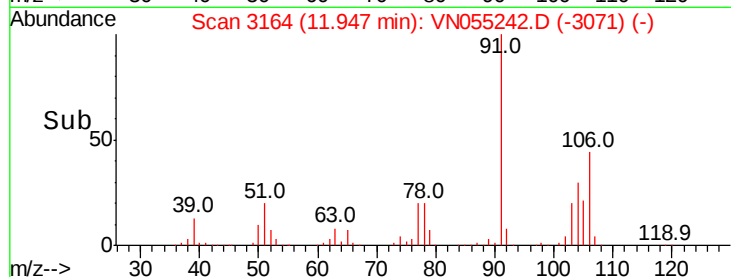
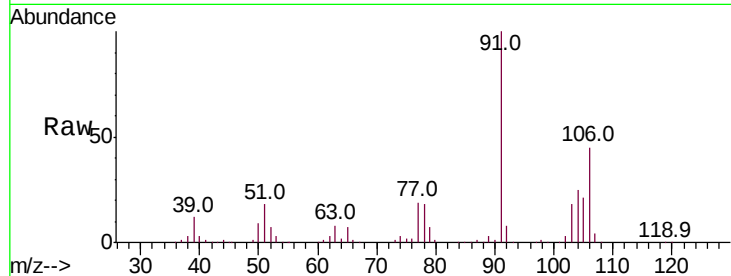
#69
o-Xylene
Concen: 20.977 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0425MBS01

Tot Ion:106 Resp: 153357
Ion Ratio Lower Upper
106 100
91 220.3 110.6 331.8

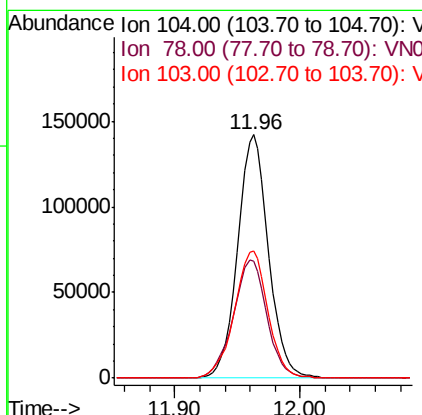
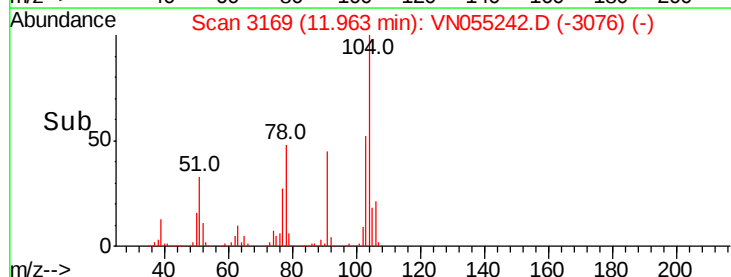
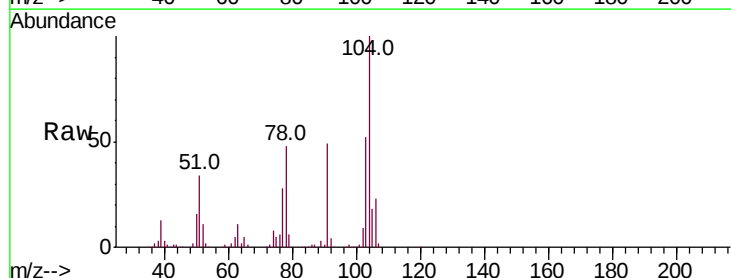
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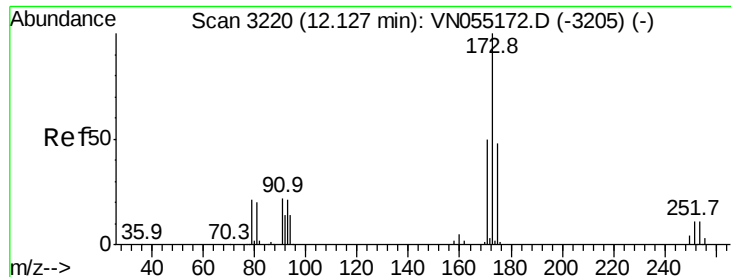
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#70
Styrene
Concen: 21.401 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion:104 Resp: 242513
Ion Ratio Lower Upper
104 100
78 53.3 41.3 61.9
103 56.7 44.2 66.4





#71

Bromoform

Concen: 20.997 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion:173 Resp: 53548

Ion Ratio Lower Upper

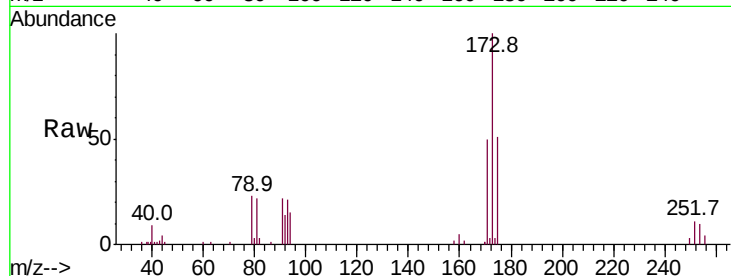
173 100

175 48.2 23.8 71.2

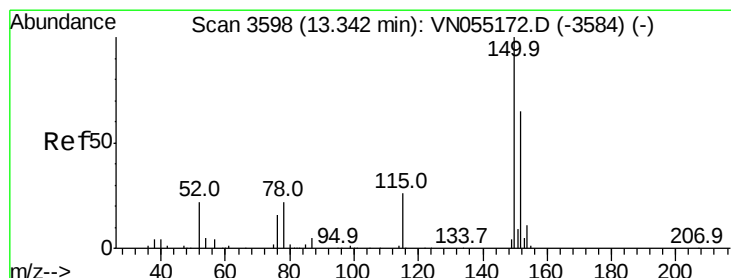
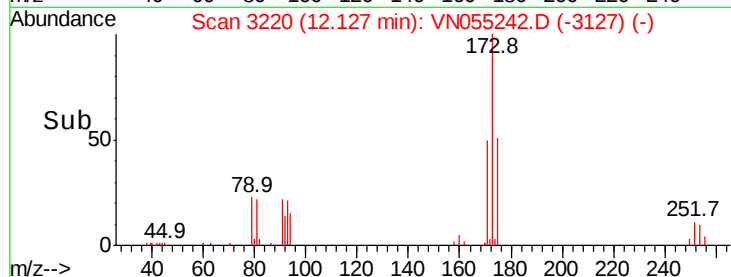
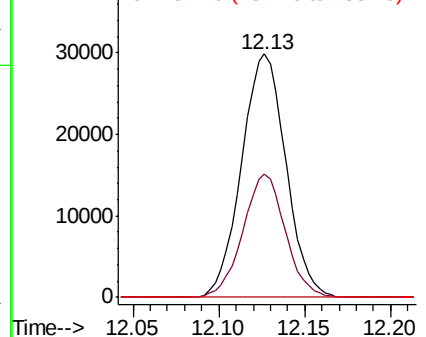
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

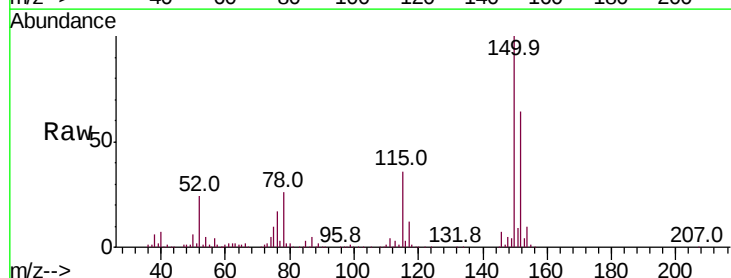
Tgt Ion:152 Resp: 219439

Ion Ratio Lower Upper

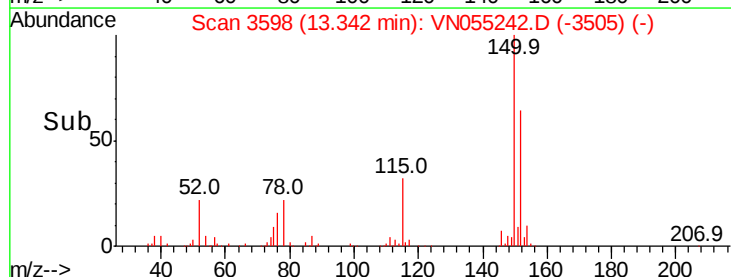
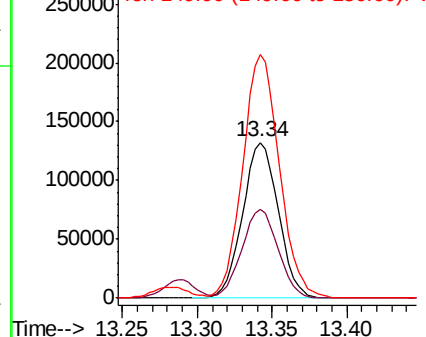
152 100

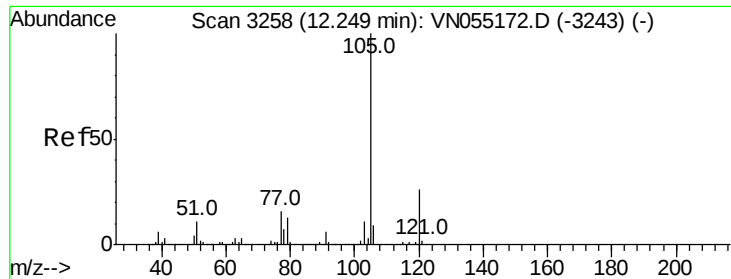
115 57.8 28.9 86.7

150 161.1 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.815 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion:105 Resp: 407057

Ion Ratio Lower Upper

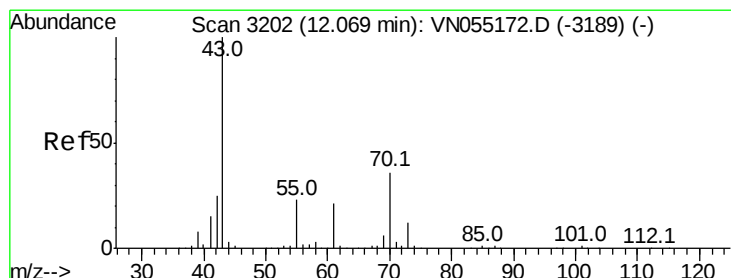
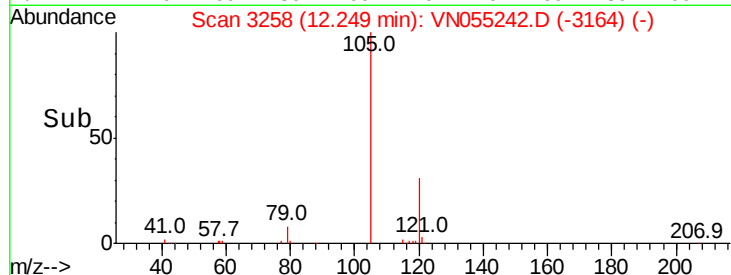
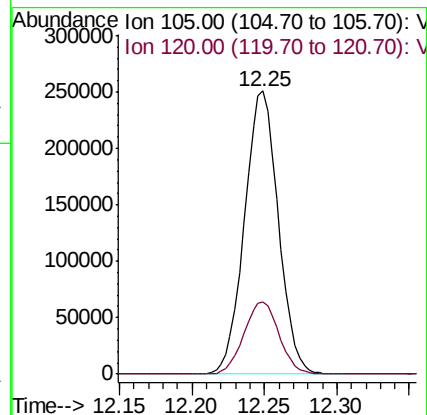
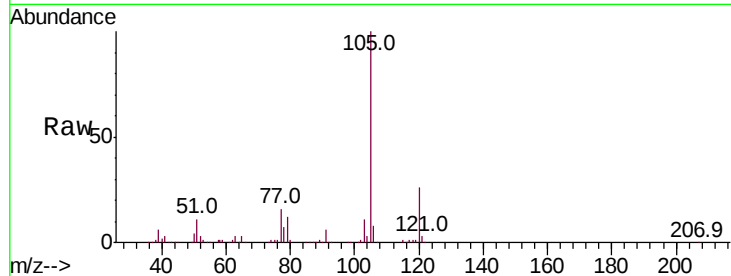
105 100

120 26.6 13.1 39.1

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#74

N-ethyl acetate

Concen: 21.487 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion: 43 Resp: 121567

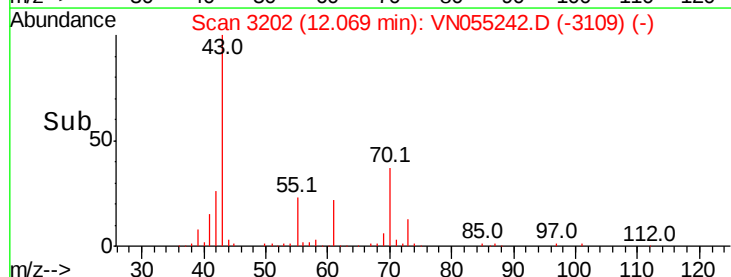
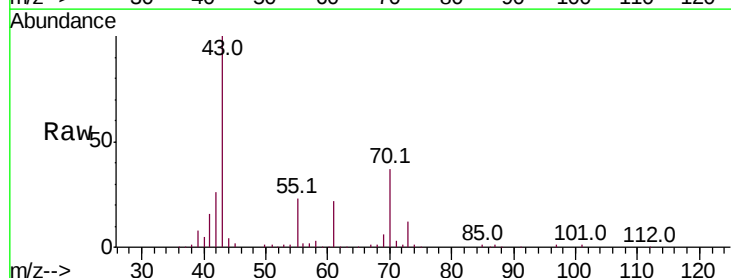
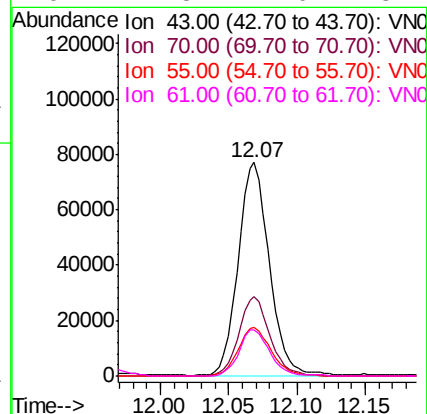
Ion Ratio Lower Upper

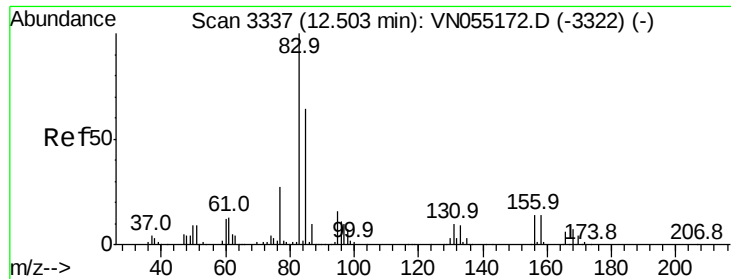
43 100

70 36.9 29.0 43.6

55 24.1 18.5 27.7

61 21.8 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.981 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

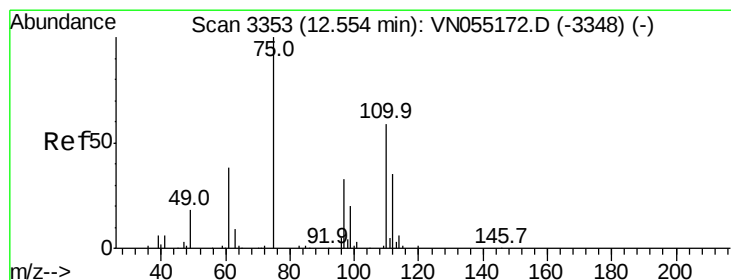
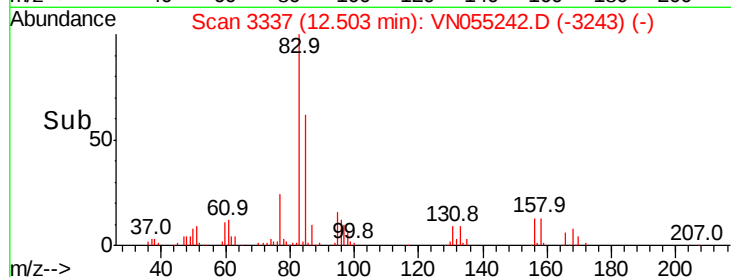
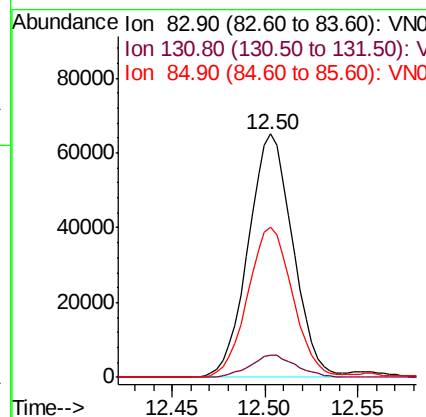
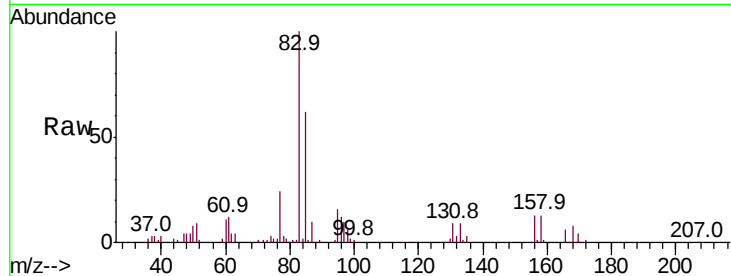
ClientSampleId :

VN0425MBS01

Tot Ion:	83	Resp:	108446
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	15.0
85	62.5	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 20.335 ug/l m

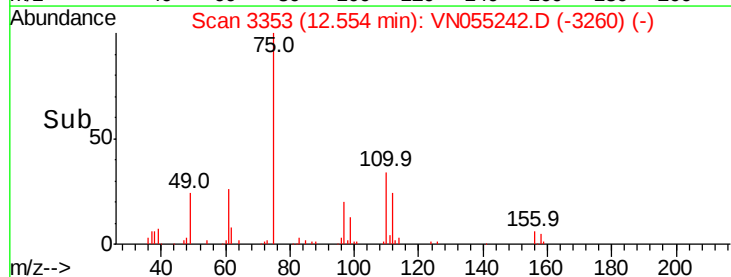
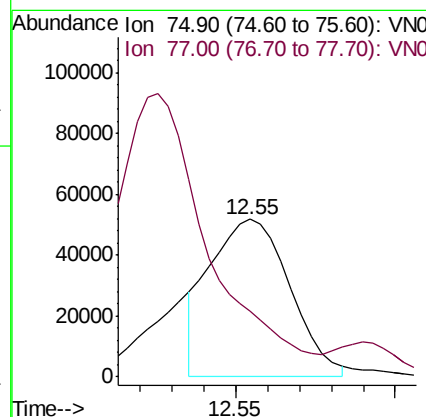
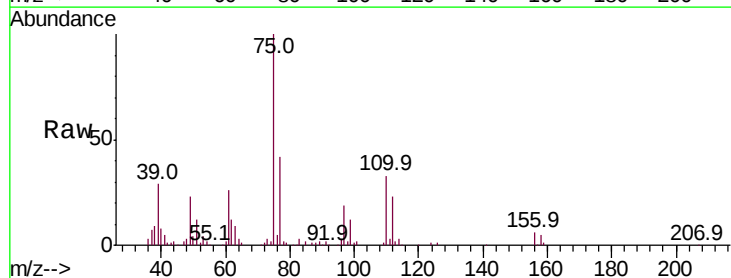
RT: 12.55 min Scan# 3353

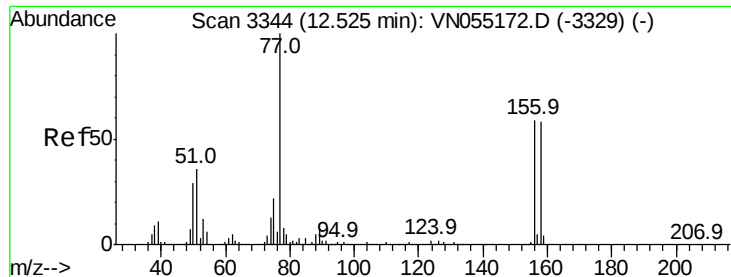
Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	75	Resp:	90528
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.170 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

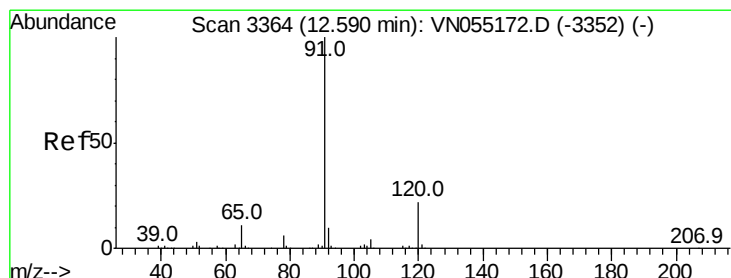
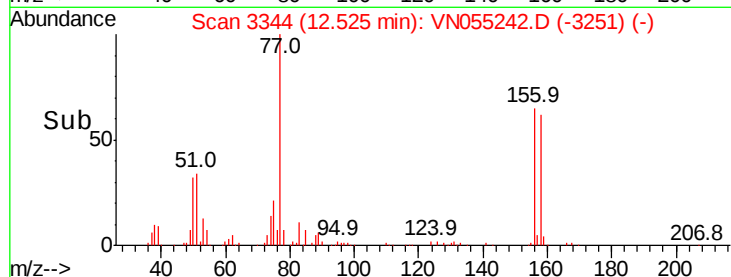
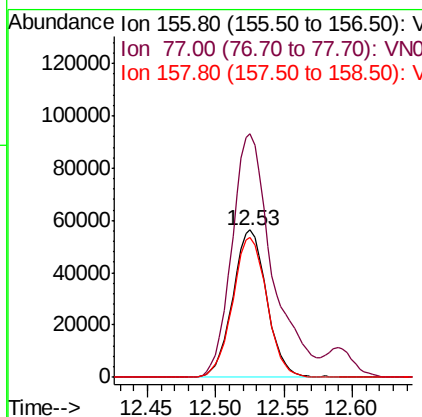
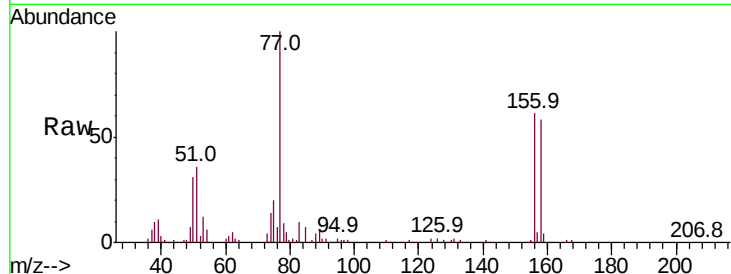
ClientSampleId :

VN0425MBS01

Tot Ion:	156	Resp:	97713
Ion Ratio	Lower	Upper	
156	100		
77	196.9	98.0	293.9
158	95.8	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.910 ug/l

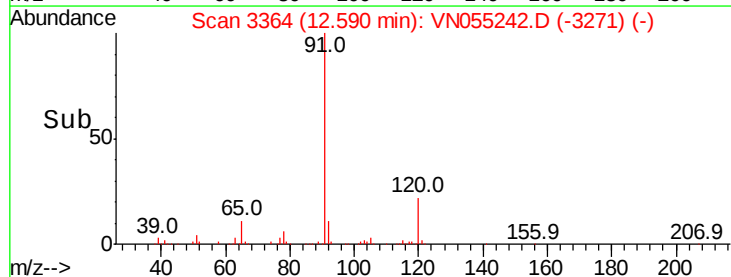
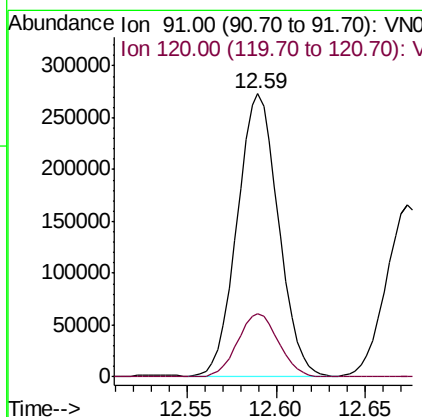
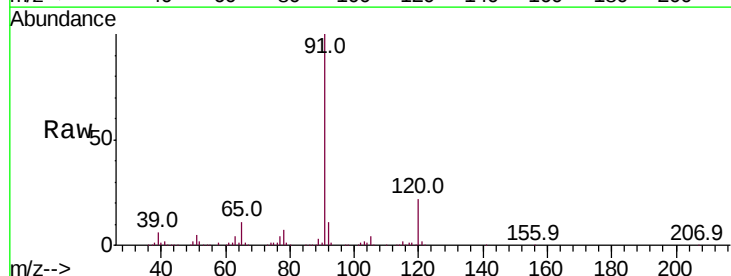
RT: 12.59 min Scan# 3364

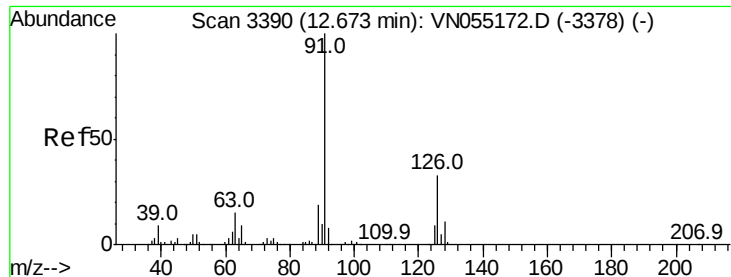
Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	91	Resp:	438149
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.922 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0425MBS01

Tot Ion: 91 Resp: 276843

Ion Ratio Lower Upper

91 100

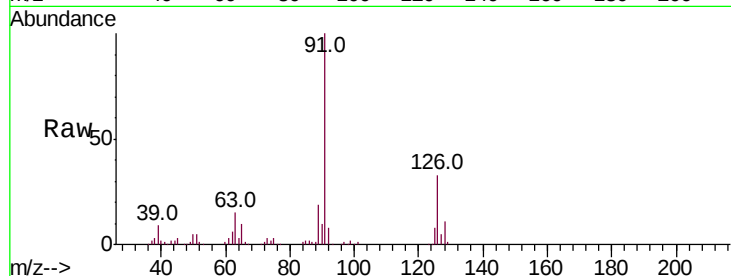
126 33.1 16.8 50.3

Manual Integrations

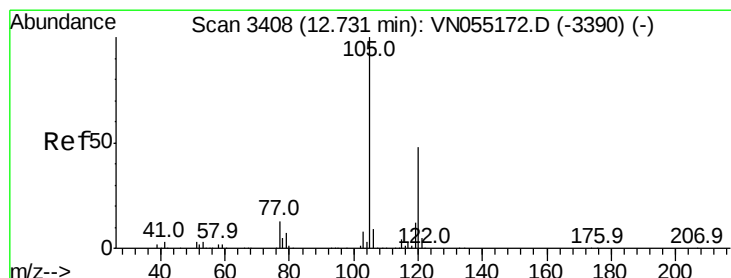
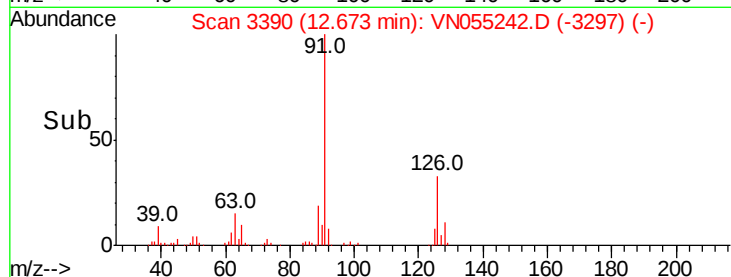
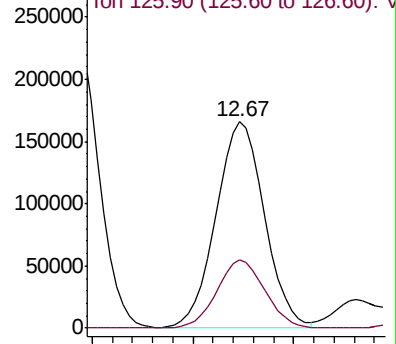
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Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.313 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055242.D

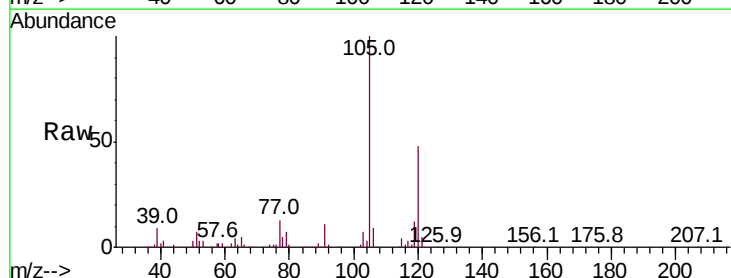
Acq: 25 Apr 2019 13:27

Tgt Ion: 105 Resp: 333684

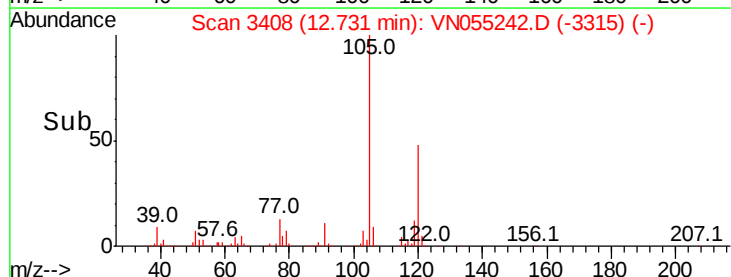
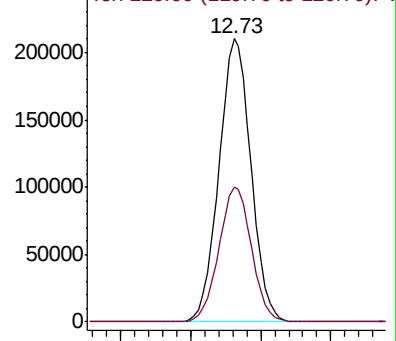
Ion Ratio Lower Upper

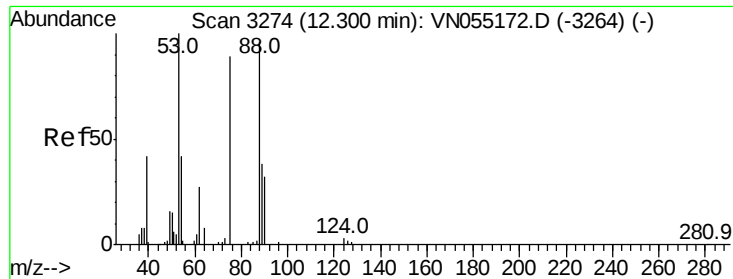
105 100

120 48.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)





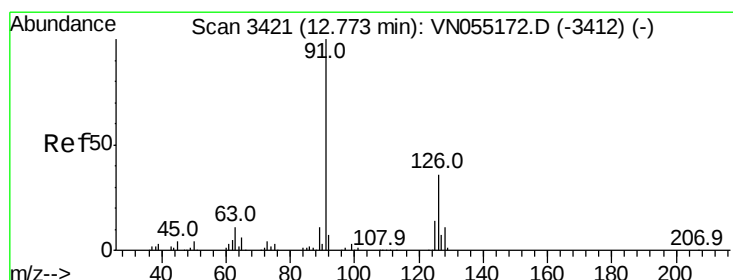
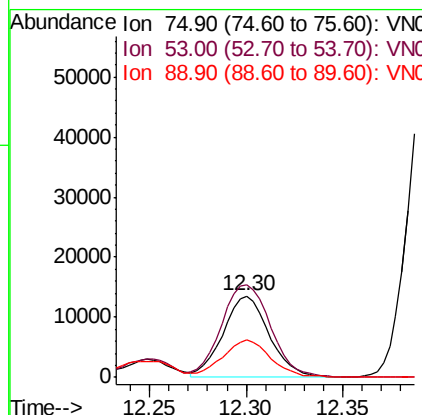
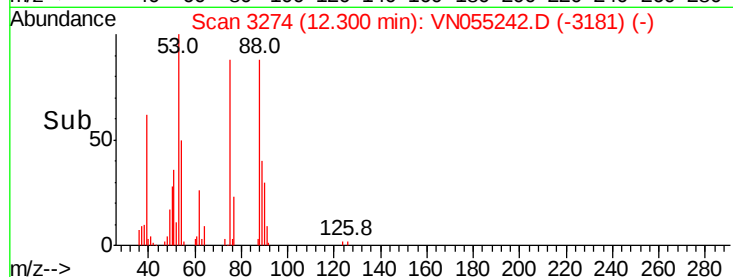
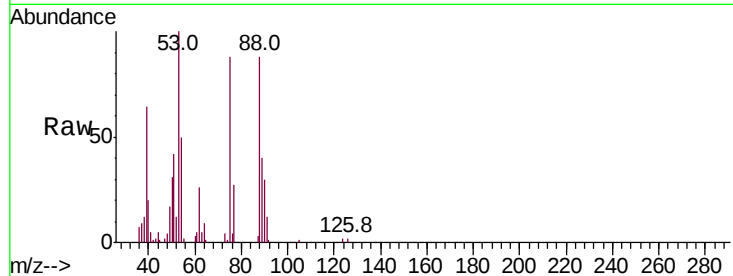
#81
trans-1,4-Dichloro-2-butene
Concen: 19.129 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.3	90.1	135.1
89	47.8	36.7	55.1

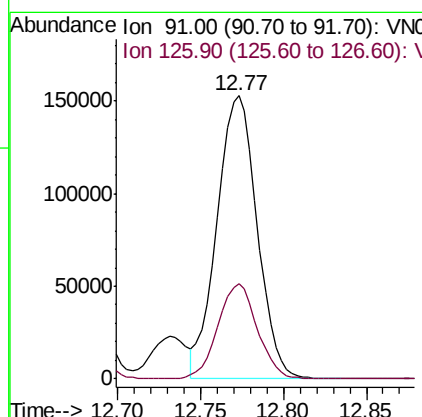
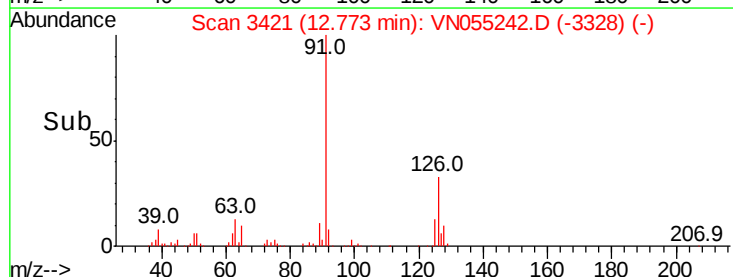
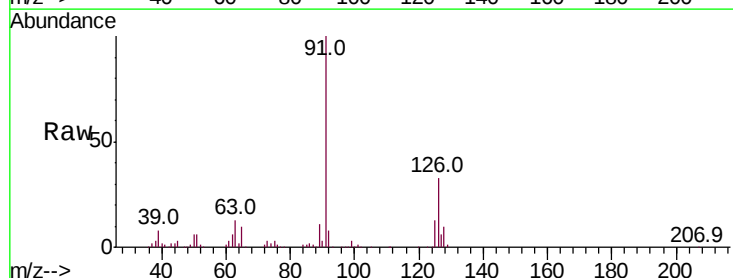
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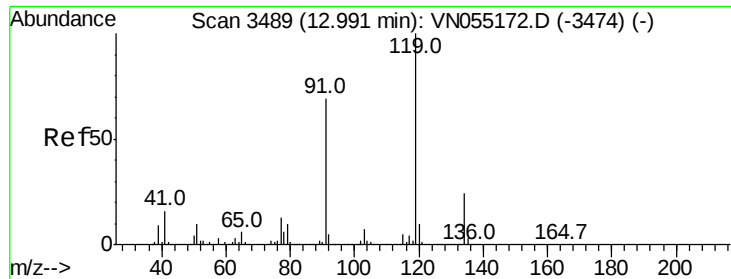
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#82
4-Chlorotoluene
Concen: 20.039 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





#83

tert-Butylbenzene

Concen: 21.921 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

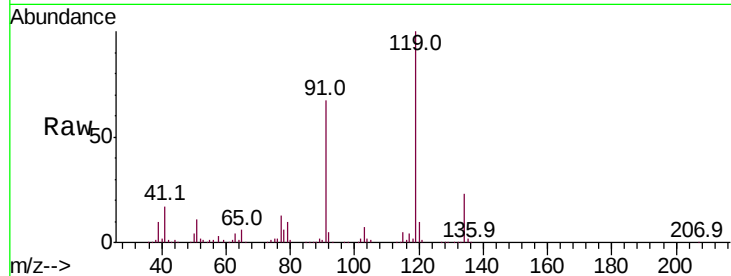
ClientSampleId :

VN0425MBS01

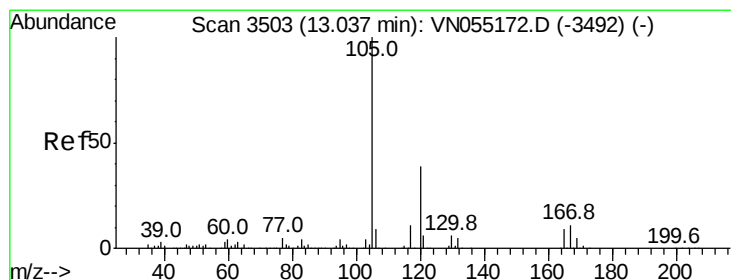
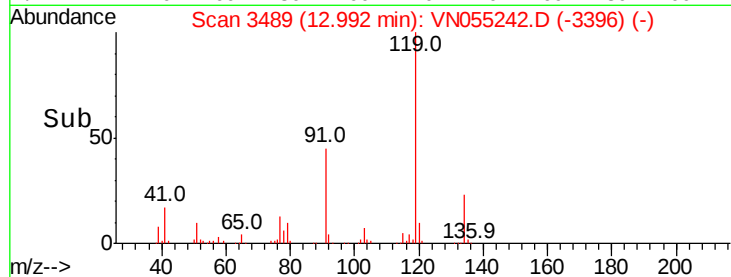
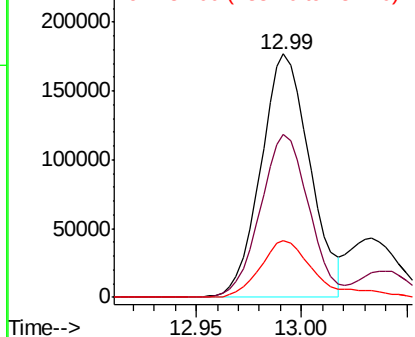
Tot Ion:	119	Resp:	285828
Ion Ratio	Lower	Upper	
119	100		
91	66.5	33.8	101.3
134	26.3	13.2	39.5

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.294 ug/l

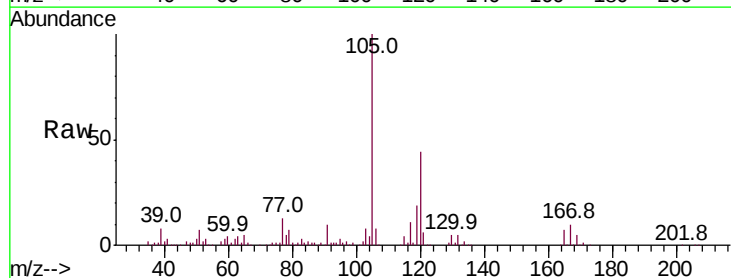
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

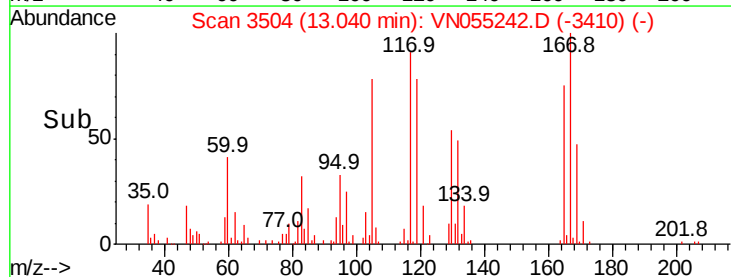
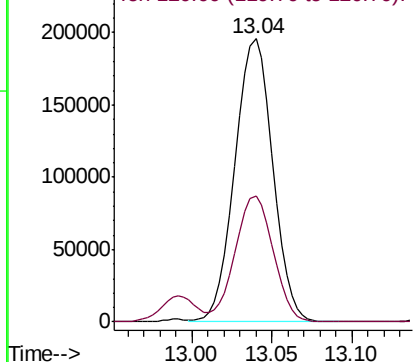
Lab File: VN055242.D

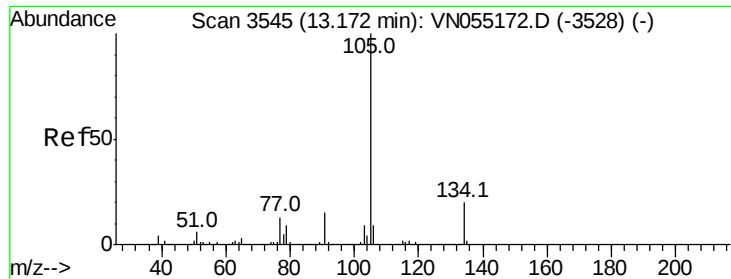
Acq: 25 Apr 2019 13:27

Tgt Ion:	105	Resp:	314604
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.7	68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.398 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0425MBS01

Tot Ion:105 Resp: 360503

Ion Ratio Lower Upper

105 100

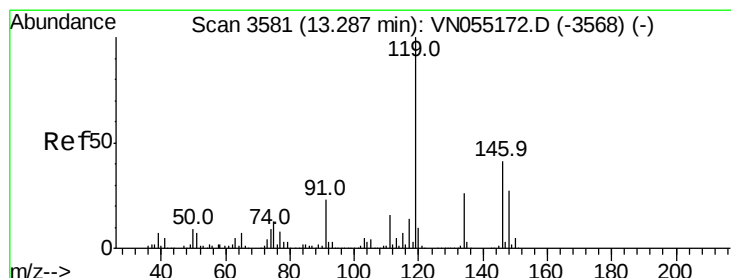
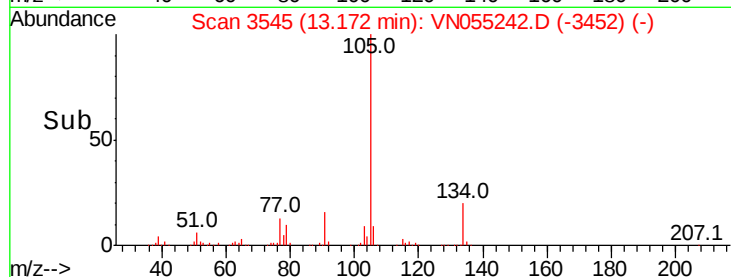
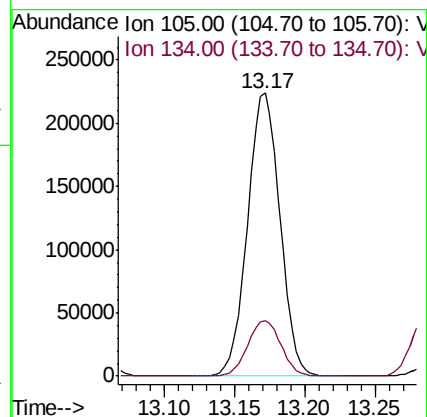
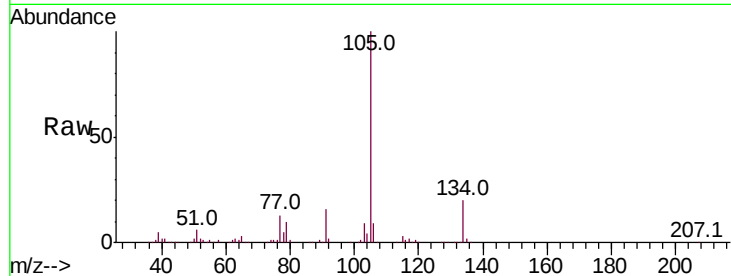
134 20.1 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 20.224 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

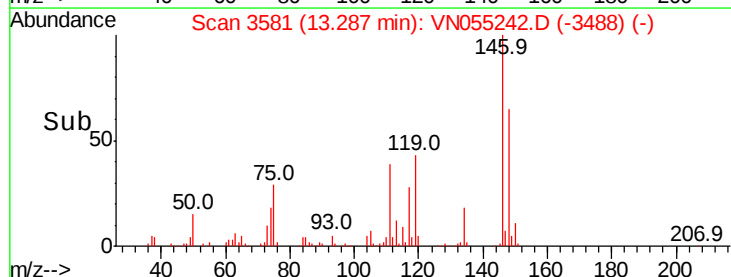
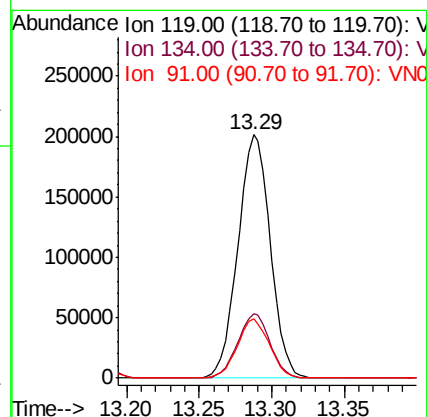
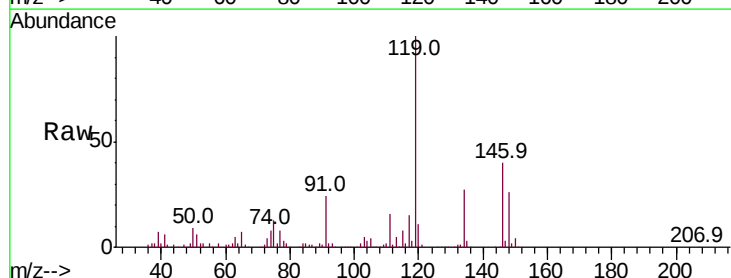
Tgt Ion:119 Resp: 309648

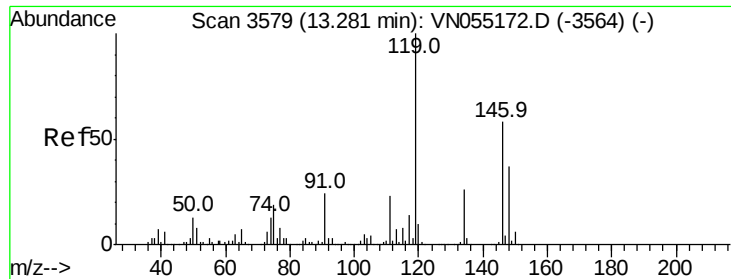
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 24.3 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 20.385 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055242.D

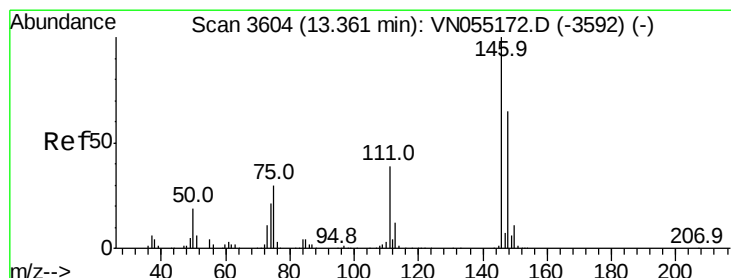
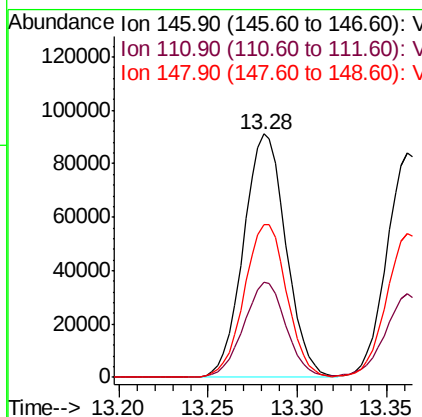
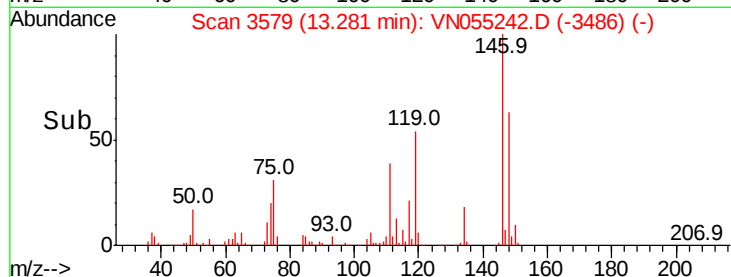
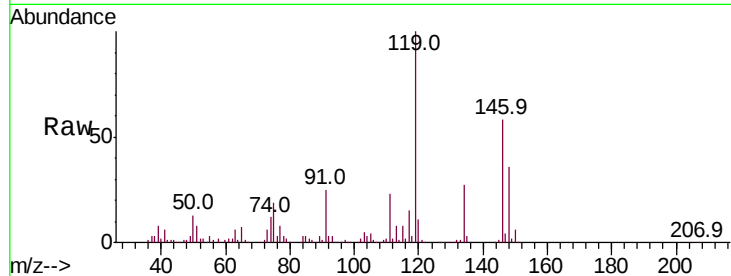
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	63.1	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.714 ug/l

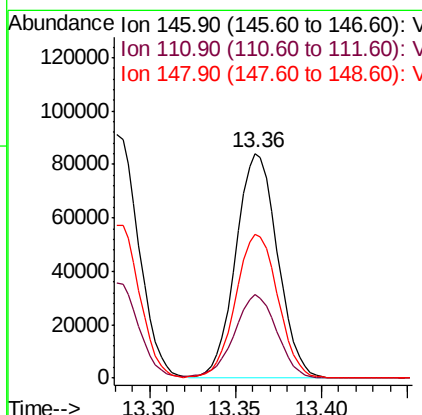
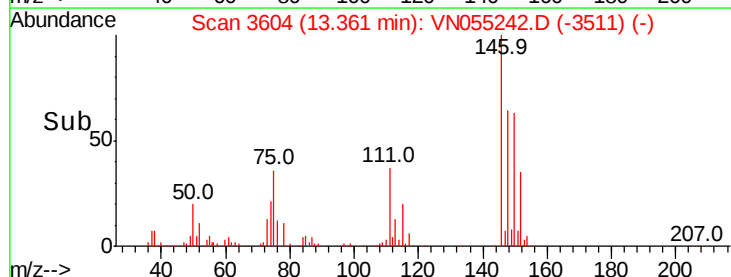
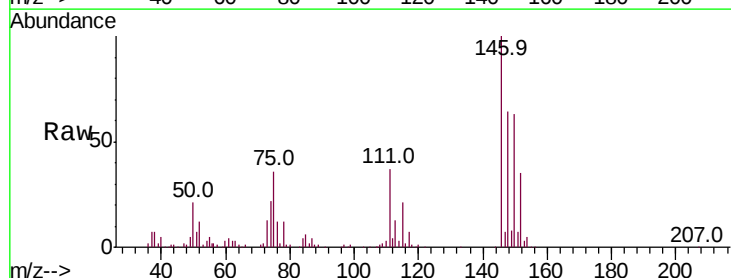
RT: 13.36 min Scan# 3604

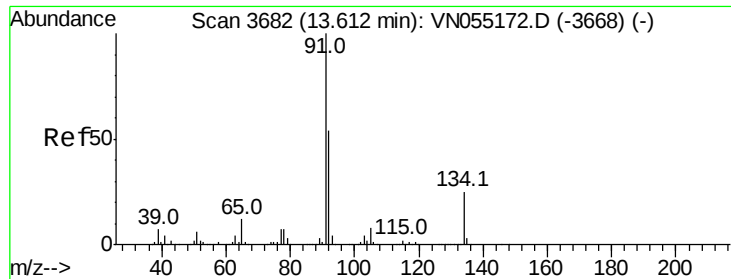
Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	64.7	32.9	98.6





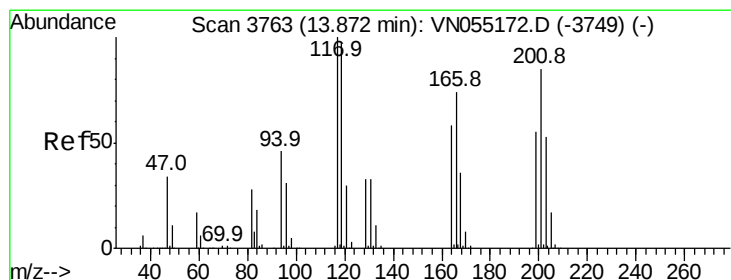
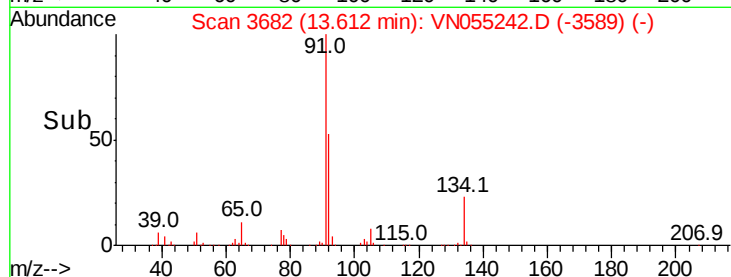
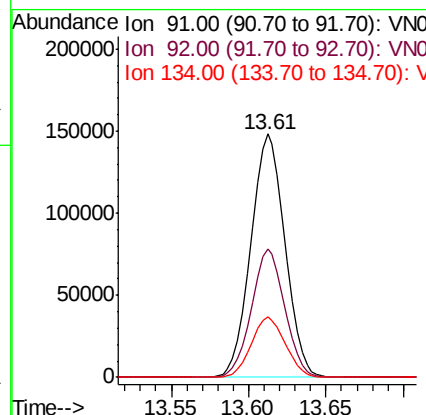
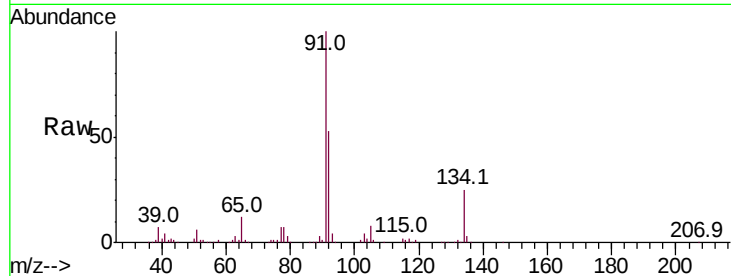
#89
n-Butylbenzene
Concen: 20.080 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0425MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.4	79.2
134	24.7	12.8	38.4

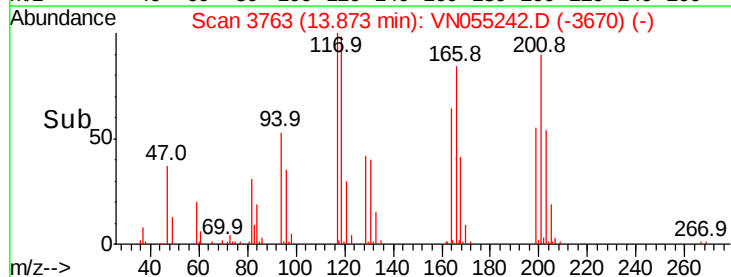
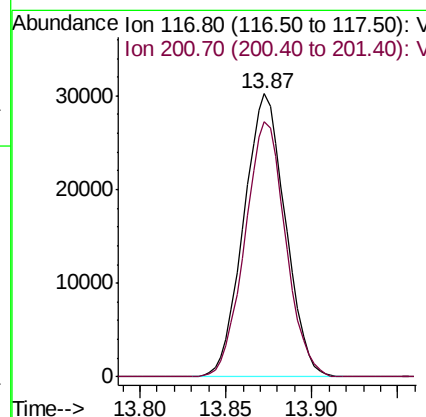
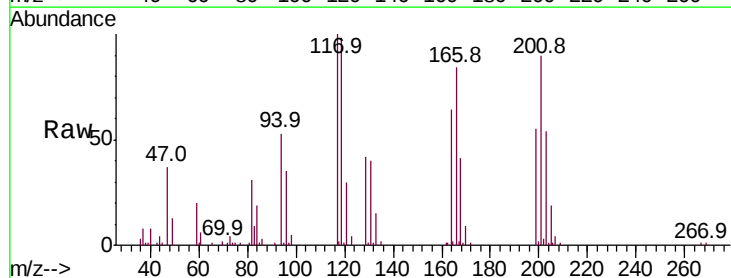
Manual Integrations
APPROVED

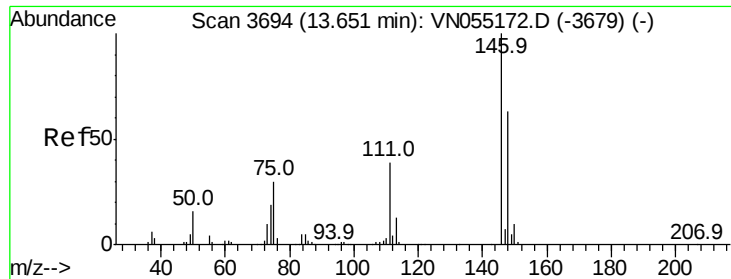
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#90
Hexachloroethane
Concen: 18.683 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055242.D
Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	43.1	129.4





#91

1,2-Dichlorobenzene

Concen: 19.747 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

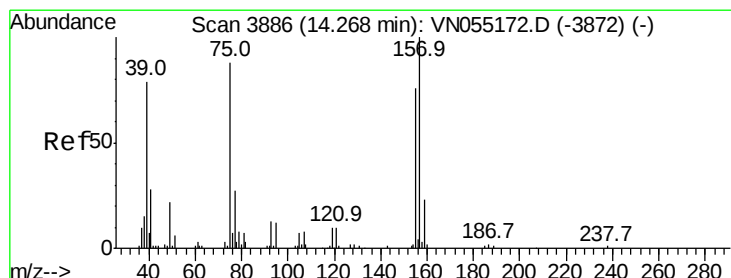
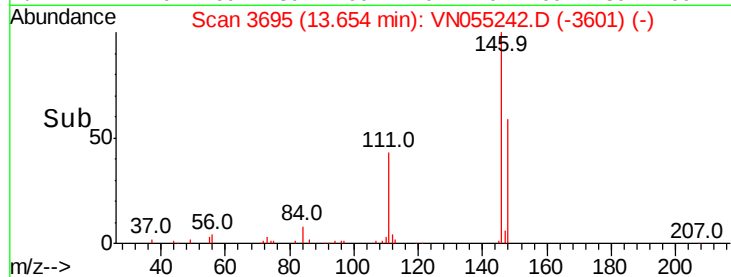
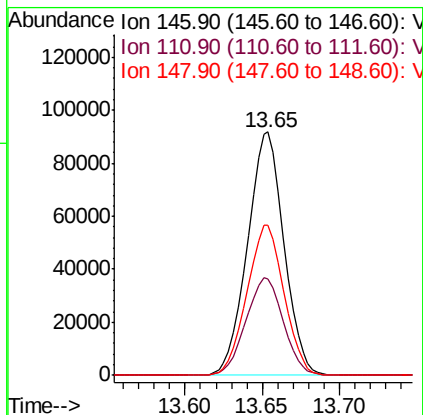
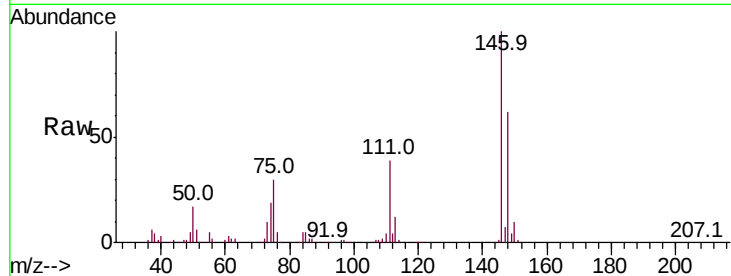
ClientSampleId :

VN0425MBS01

Tot Ion:	146	Resp:	150837
Ion Ratio	Lower	Upper	
146	100		
111	41.1	19.8	59.3
148	62.7	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.056 ug/l

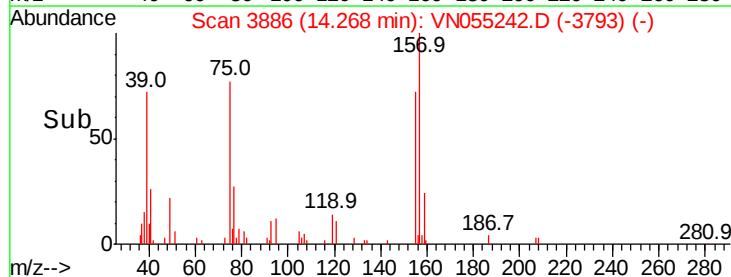
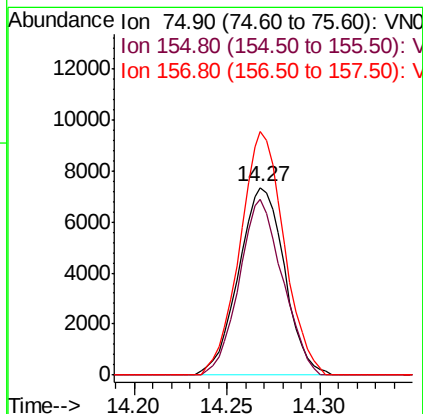
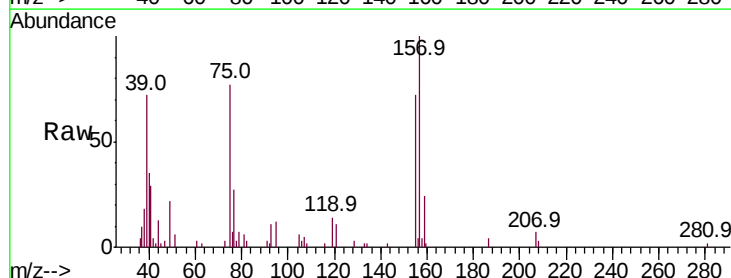
RT: 14.27 min Scan# 3886

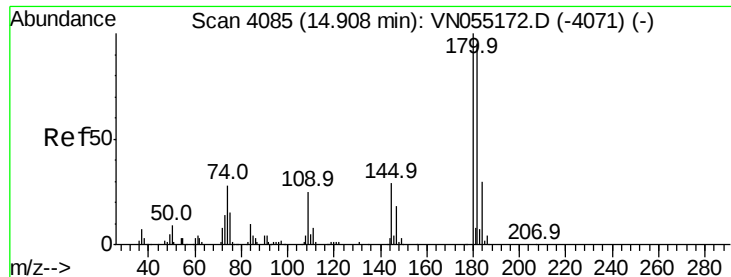
Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	75	Resp:	12698
Ion Ratio	Lower	Upper	
75	100		
155	88.1	43.0	129.0
157	124.6	55.7	167.1





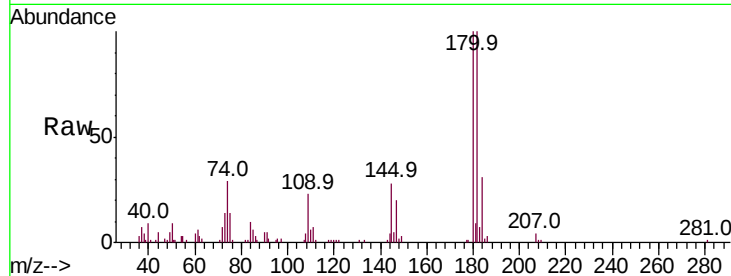
#93
 1,2,4-Trichlorobenzene
 Concen: 16.815 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425MBS01

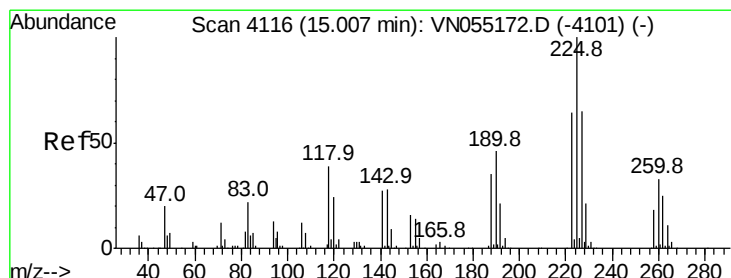
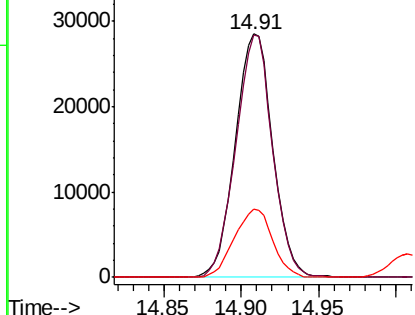
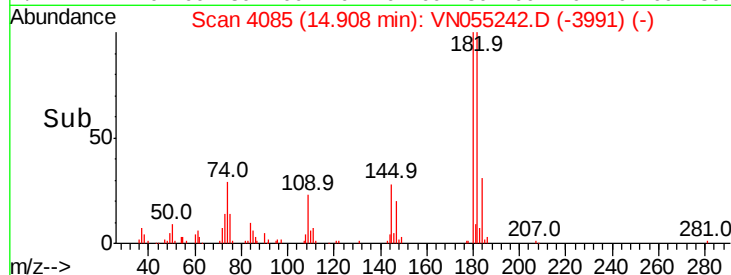
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	47.8	143.4	
145	28.6	14.5	43.5	

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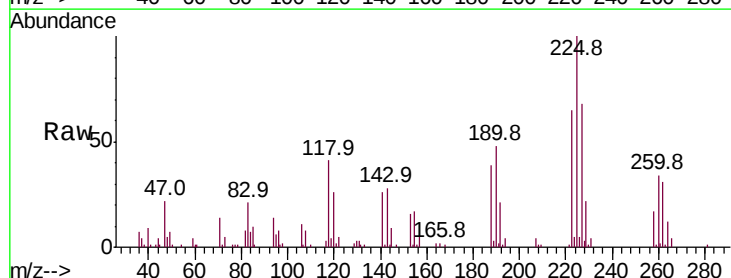


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

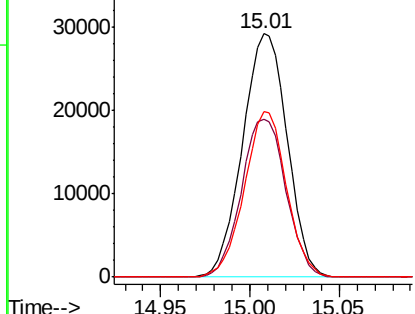
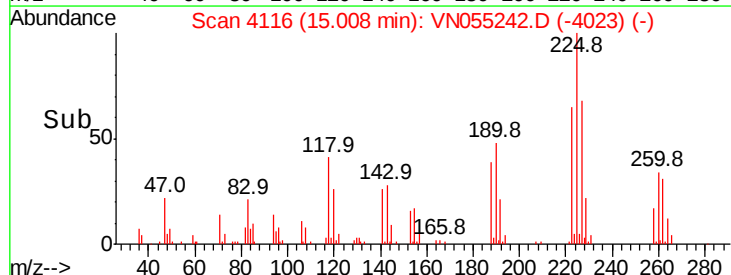


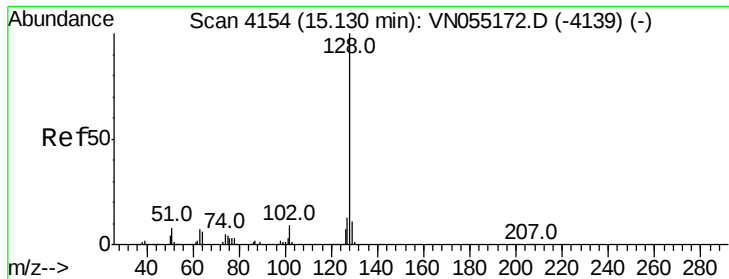
#94
 Hexachlorobutadiene
 Concen: 21.653 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055242.D
 Acq: 25 Apr 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.6	32.2	96.6	
227	63.9	32.6	98.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.429 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Instrument :

MSVOA_N

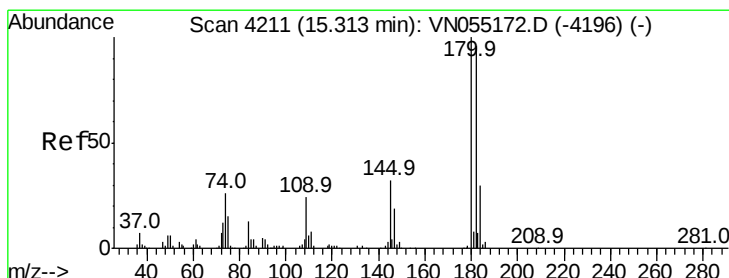
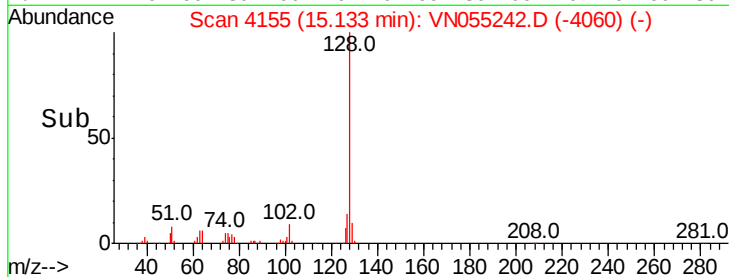
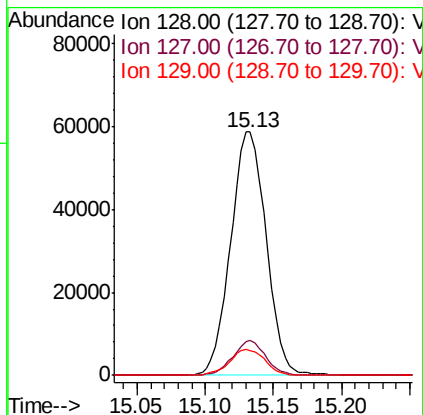
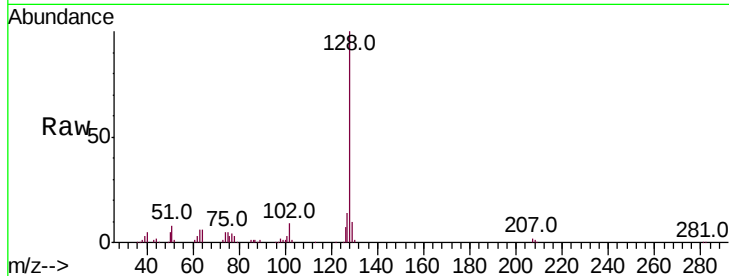
ClientSampleId :

VN0425MBS01

Tot Ion:	128	Resp:	106233
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.6	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 17.278 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055242.D

Acq: 25 Apr 2019 13:27

Tgt Ion:	180	Resp:	50722
Ion Ratio	Lower	Upper	
180	100		
182	97.9	47.2	141.6
145	34.0	15.4	46.1

