

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055269.D
 Acq On : 26 Apr 2019 12:18
 Operator : JC/SP
 Sample : VN0427MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:56:58 AM

Quant Time: Apr 27 02:25:46 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	396915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	651263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	551008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	199667	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	284103	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
35) Dibromofluoromethane	7.59	113	219844	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	803352	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	247590	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	112874	22.087	ug/l	100
3) Chloromethane	2.06	50	129006	20.601	ug/l	99
4) Vinyl Chloride	2.19	62	102968	20.520	ug/l	98
5) Bromomethane	2.56	94	56873	19.544	ug/l	97
6) Chloroethane	2.71	64	54792	20.718	ug/l	92
7) Trichlorofluoromethane	3.02	101	143811	21.061	ug/l	99
8) Diethyl Ether	3.41	74	52763	21.648	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	86671	20.340	ug/l	97
10) Methyl Iodide	3.95	142	123139	20.608	ug/l	100
11) Tert butyl alcohol	4.78	59	34486	109.952	ug/l	100
12) 1,1-Dichloroethene	3.74	96	82743	20.262	ug/l	96
13) Acrolein	3.61	56	44886	101.346	ug/l	100
14) Allyl chloride	4.33	41	168479	20.870	ug/l	100
15) Acrylonitrile	4.99	53	187085	108.763	ug/l	99
16) Acetone	3.82	43	167237	94.165	ug/l	96
17) Carbon Disulfide	4.06	76	214652	18.802	ug/l	98
18) Methyl Acetate	4.33	43	88905	22.680	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	242365	21.467	ug/l	99
20) Methylene Chloride	4.55	84	102416	20.059	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	87941	20.537	ug/l	96
22) Diisopropyl ether	5.95	45	351447	21.840	ug/l	95
23) Vinyl Acetate	5.90	43	1199335	110.912	ug/l	99
24) 1,1-Dichloroethane	5.85	63	182565	21.093	ug/l	99
25) 2-Butanone	6.84	43	233012	101.625	ug/l	98
26) 2,2-Dichloropropane	6.82	77	121450	20.735	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	103026	20.871	ug/l	99
28) Bromochloromethane	7.20	49	98204	22.258	ug/l	95
29) Tetrahydrofuran	7.22	42	158087	112.138	ug/l	99
30) Chloroform	7.37	83	169600	20.600	ug/l	95
31) Cyclohexane	7.66	56	171036	20.335	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	137977	20.860	ug/l	98
36) 1,1-Dichloropropene	7.79	75	127440	21.083	ug/l	99
37) Ethyl Acetate	6.93	43	103798	21.277	ug/l	98
38) Carbon Tetrachloride	7.78	117	115414	20.389	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	135687	18.816	ug/l	99
40) Benzene	8.04	78	384602	20.611	ug/l	99
41) Methacrylonitrile	7.18	41	49608m	19.397	ug/l	
42) 1,2-Dichloroethane	8.12	62	133407	20.493	ug/l	100
43) Isopropyl Acetate	8.17	43	170761	21.616	ug/l #	88
44) Trichloroethene	8.84	130	96132	20.383	ug/l	96
45) 1,2-Dichloropropane	9.12	63	110038	20.891	ug/l	99
46) Dibromomethane	9.21	93	61618	20.436	ug/l	98
47) Bromodichloromethane	9.40	83	126639	20.980	ug/l	97
48) Methyl methacrylate	9.20	41	80638	21.044	ug/l	97
49) 1,4-Dioxane	9.20	88	17992	406.583	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	482721	106.194	ug/l	99
52) Toluene	10.16	92	226698	20.724	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	113975	20.575	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	143630	20.894	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82350	20.420	ug/l	99
56) Ethyl methacrylate	10.43	69	106162	21.131	ug/l	97
57) 1,3-Dichloropropane	10.71	76	145616	20.753	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	130471	75.638	ug/l	100
59) 2-Hexanone	10.75	43	297235	103.521	ug/l	100
60) Dibromochloromethane	10.90	129	82858	19.947	ug/l	100
61) 1,2-Dibromoethane	11.00	107	78526	20.710	ug/l	100
64) Tetrachloroethene	10.63	164	92753	20.635	ug/l	98
65) Chlorobenzene	11.43	112	220406	19.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85173	20.433	ug/l	100
67) Ethyl Benzene	11.51	91	410210	20.476	ug/l	97
68) m/p-Xylenes	11.62	106	293289	40.818	ug/l	100
69) o-Xylene	11.95	106	145909	20.462	ug/l	98
70) Styrene	11.96	104	232435	21.029	ug/l	100
71) Bromoform	12.13	173	49737	19.995	ug/l #	99
73) Isopropylbenzene	12.25	105	386204	22.848	ug/l	100
74) N-amyl acetate	12.07	43	111130	21.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	100405	23.429	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	81189m	20.043	ug/l	
77) Bromobenzene	12.53	156	89826	20.378	ug/l	96
78) n-propylbenzene	12.59	91	414416	20.696	ug/l	99
79) 2-Chlorotoluene	12.67	91	257108	20.334	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	309134	20.682	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21820	20.420	ug/l	96
82) 4-Chlorotoluene	12.77	91	238793	20.527	ug/l	99
83) tert-Butylbenzene	12.99	119	264876	22.368	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	291551	20.670	ug/l	98
85) sec-Butylbenzene	13.17	105	340823	20.155	ug/l	98
86) p-Isopropyltoluene	13.29	119	283890	20.378	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	135391	20.009	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	131022	19.888	ug/l	99
89) n-Butylbenzene	13.61	91	197209	19.098	ug/l	99
90) Hexachloroethane	13.87	117	47828	19.358	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	138938	19.991	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12759	21.044	ug/l	93

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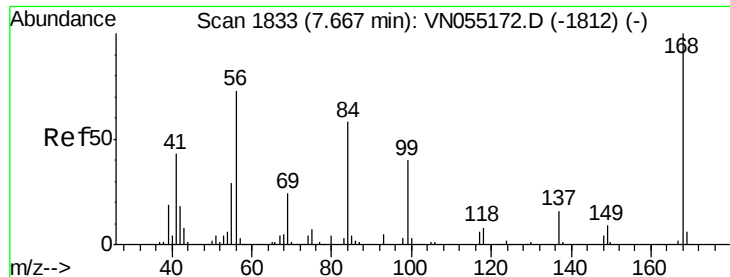
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41999	16.258	ug/l	96
94) Hexachlorobutadiene	15.01	225	47114	21.988	ug/l	95
95) Naphthalene	15.13	128	92822	16.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	46466	17.381	ug/l	99

(#) = 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: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion:168 Resp: 396915

Ion Ratio Lower Upper

168 100

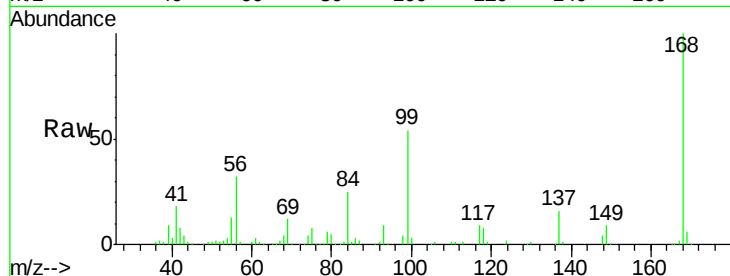
99 53.3 42.0 63.0

Manual Integrations

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4/29/2019 10:56:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

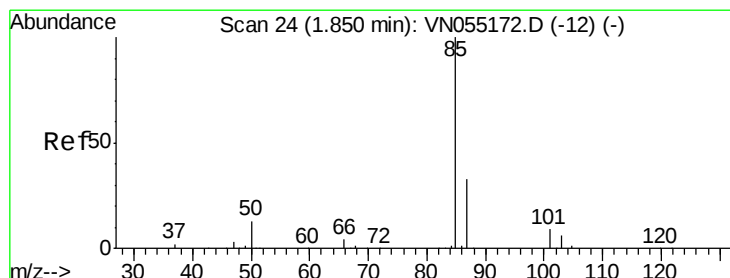
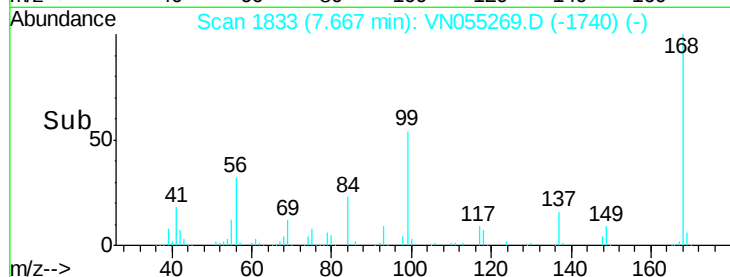
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.087 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055269.D

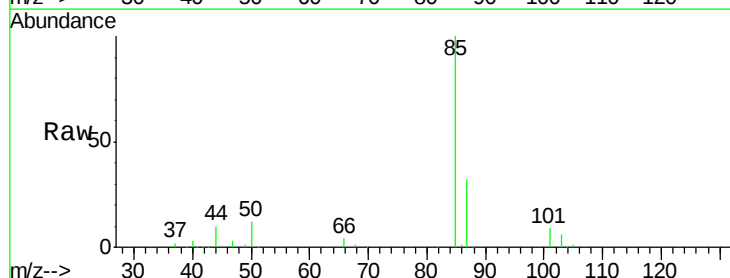
Acq: 26 Apr 2019 12:18

Tgt Ion: 85 Resp: 112874

Ion Ratio Lower Upper

85 100

87 32.5 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

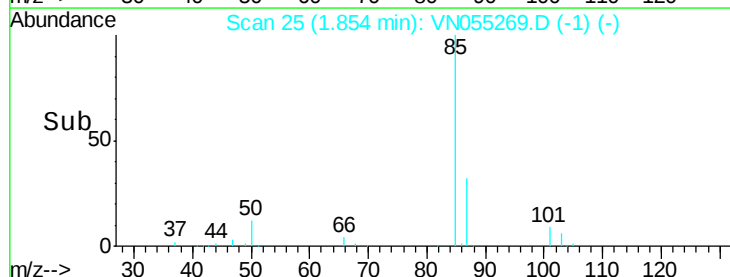
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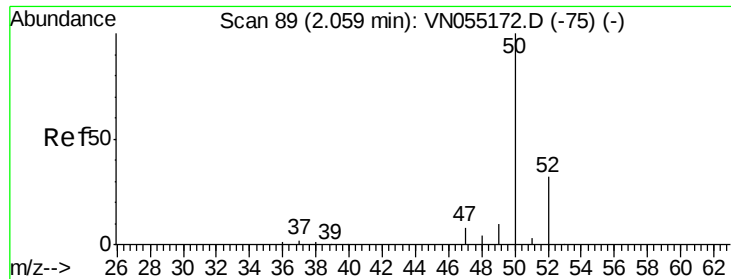
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20000

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Time-->





#3

Chloromethane

Concen: 20.601 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion: 50 Resp: 129006

Ion Ratio Lower Upper

50 100

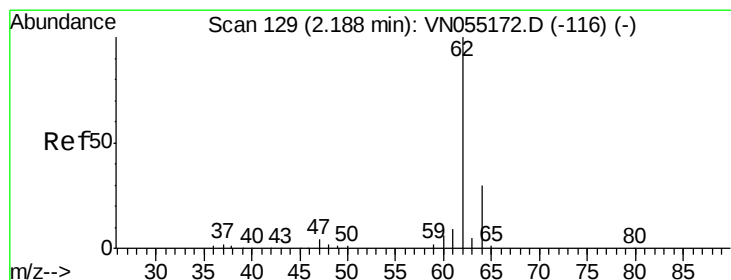
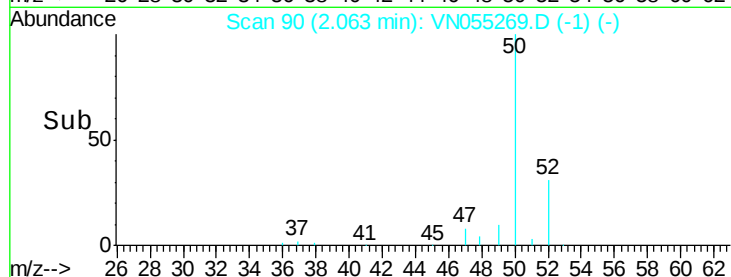
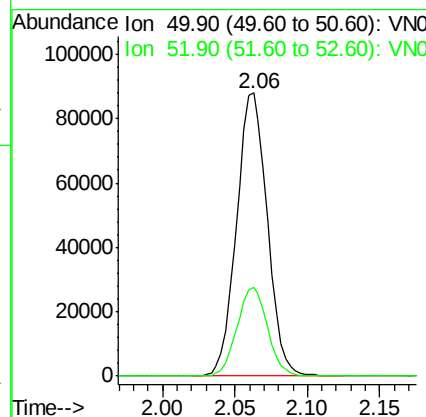
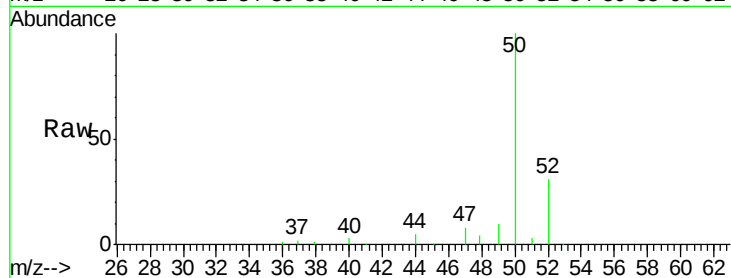
52 31.4 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.520 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055269.D

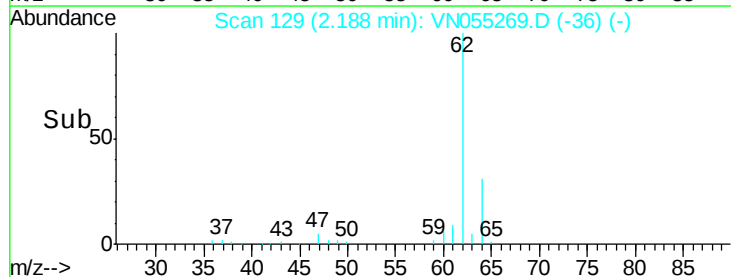
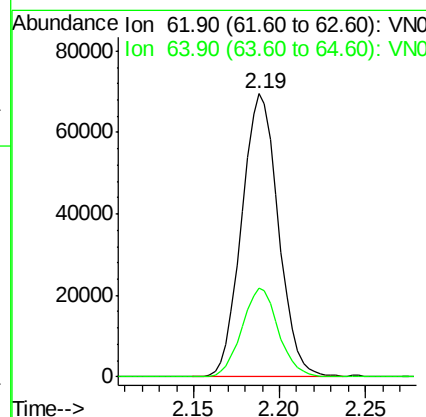
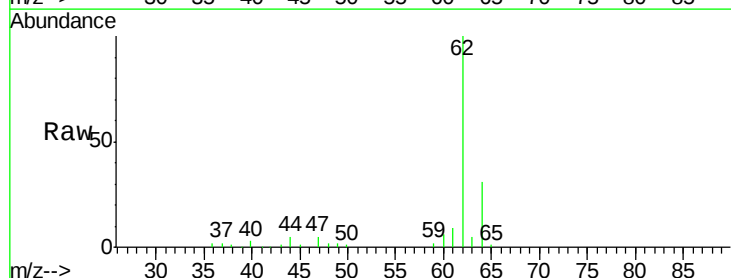
Acq: 26 Apr 2019 12:18

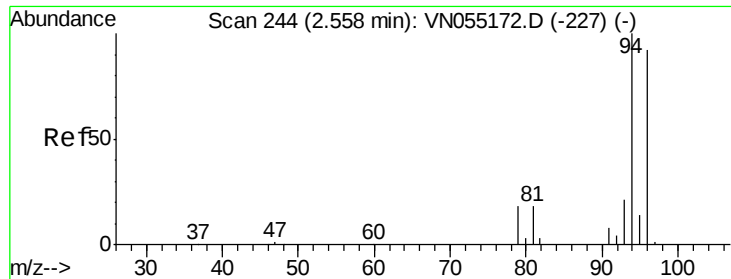
Tgt Ion: 62 Resp: 102968

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 19.544 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 56873

Ion Ratio Lower Upper

94 100

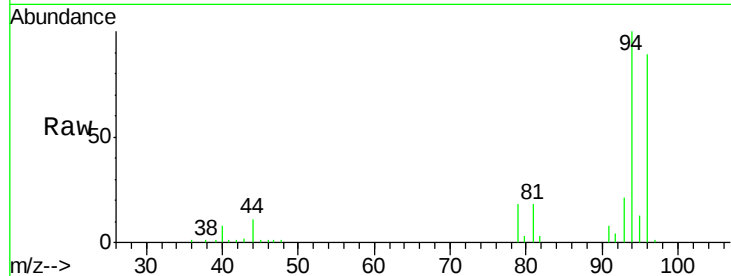
96 89.4 73.4 110.2

Manual Integrations

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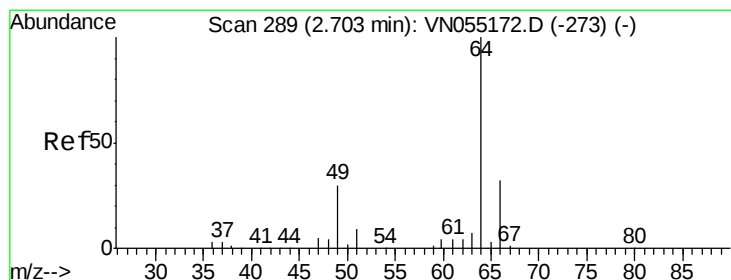
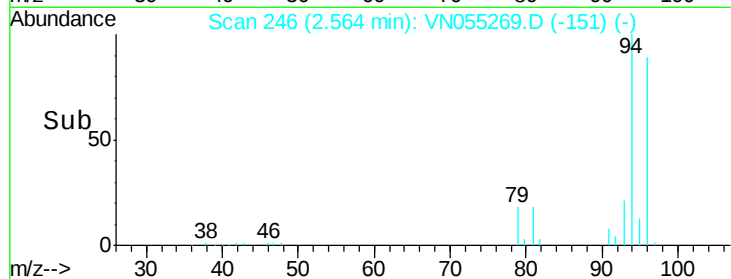
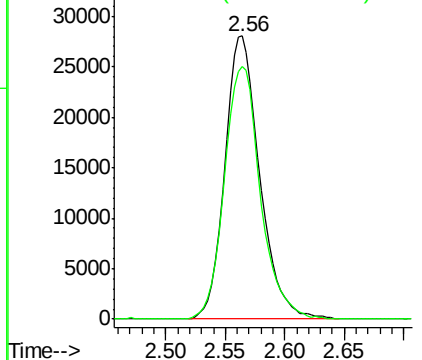
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.718 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055269.D

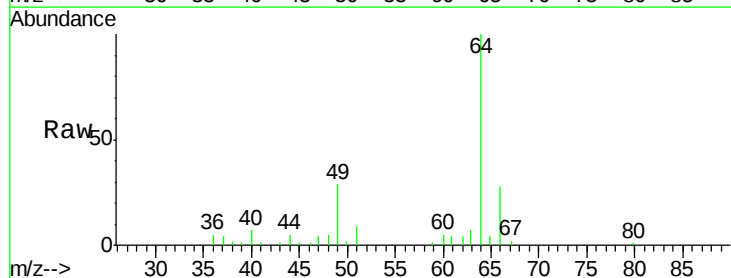
Acq: 26 Apr 2019 12:18

Tgt Ion: 64 Resp: 54792

Ion Ratio Lower Upper

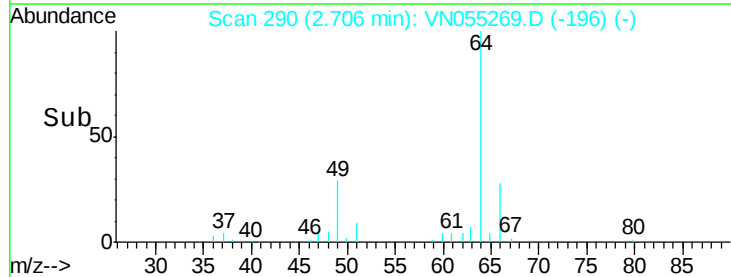
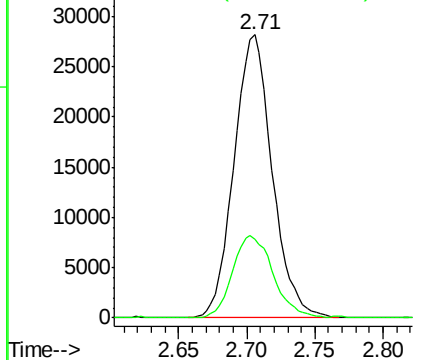
64 100

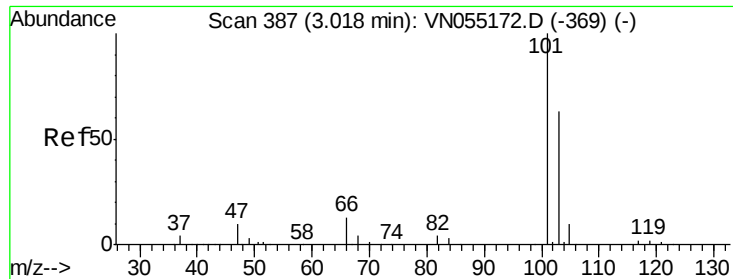
66 27.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

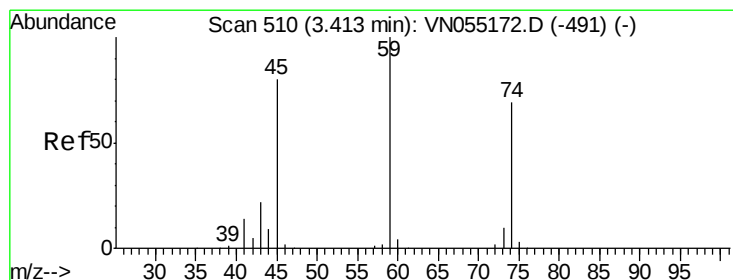
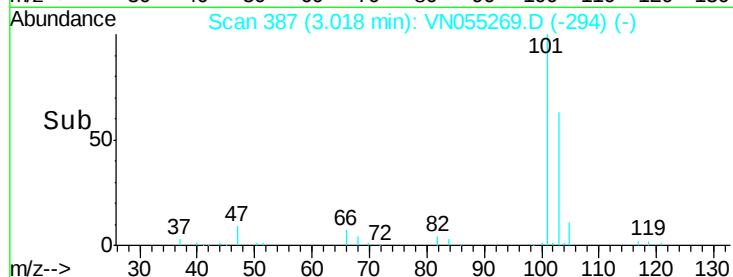
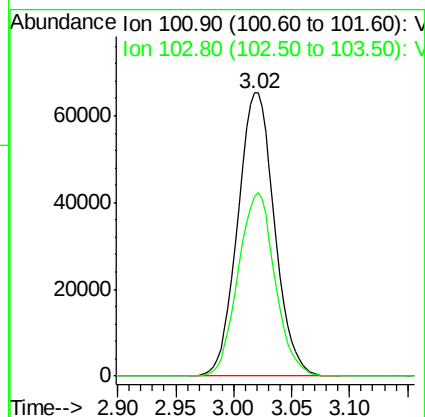
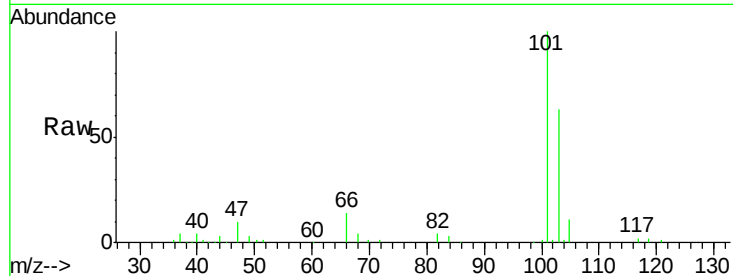
Trichlorofluoromethane
Concen: 21.061 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.1	75.1

Manual Integrations
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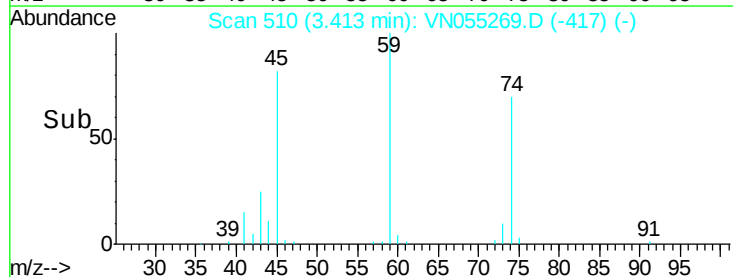
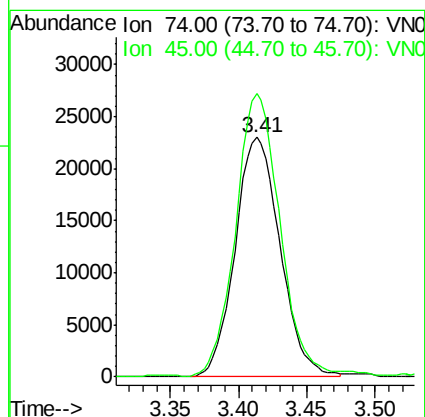
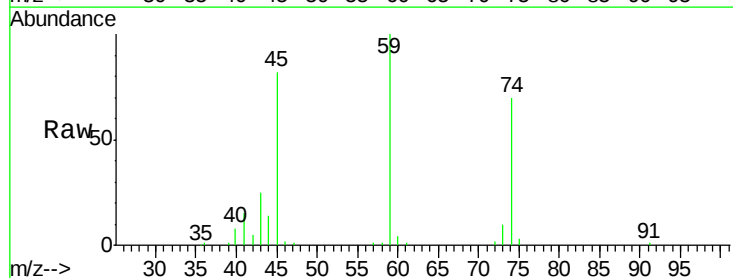
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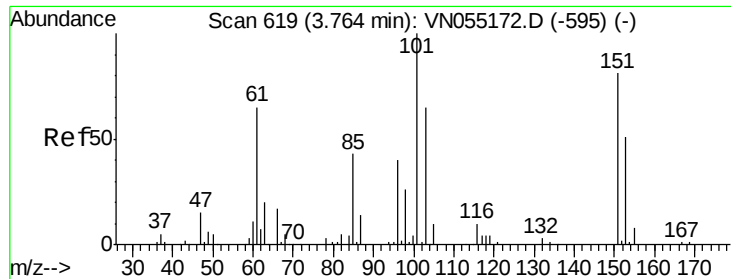


#8

Diethyl Ether
Concen: 21.648 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.3	56.9	170.6





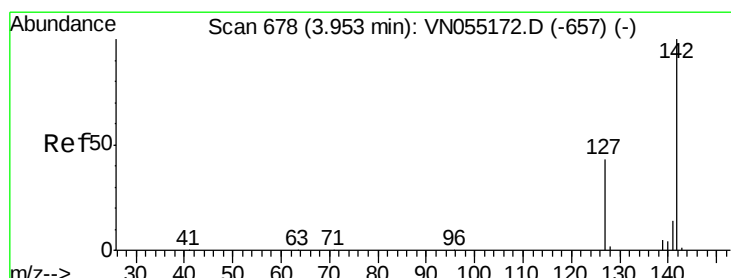
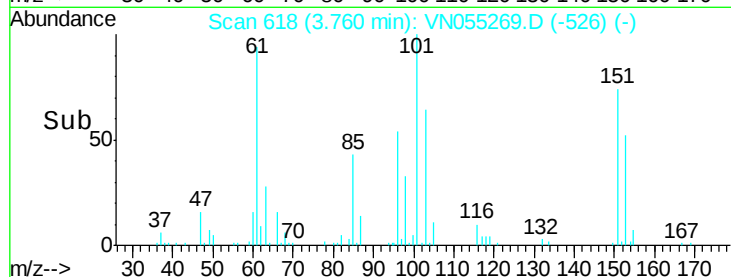
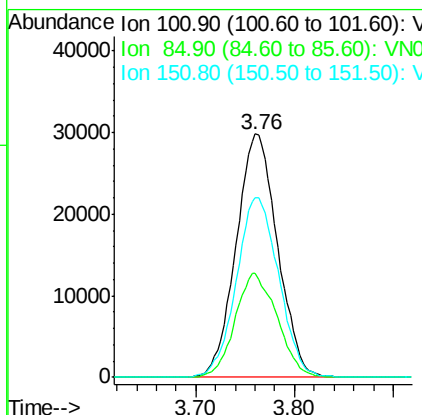
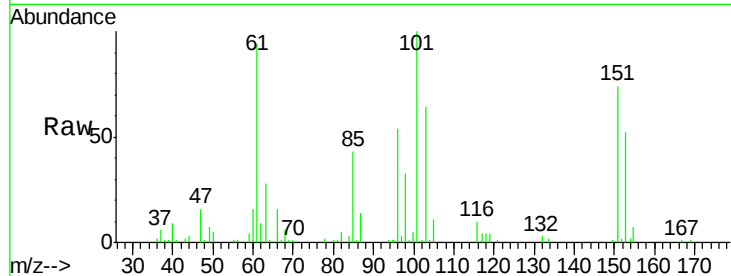
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.340 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.9	52.3
151	75.5	63.8	95.8

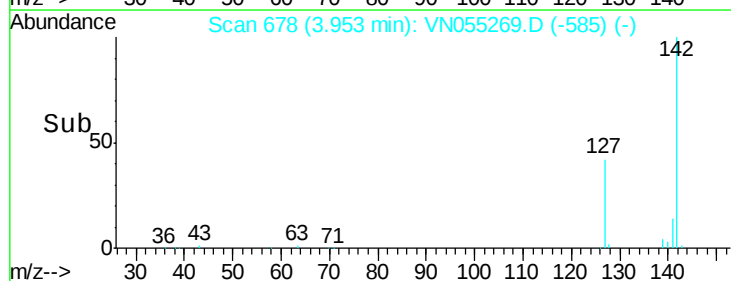
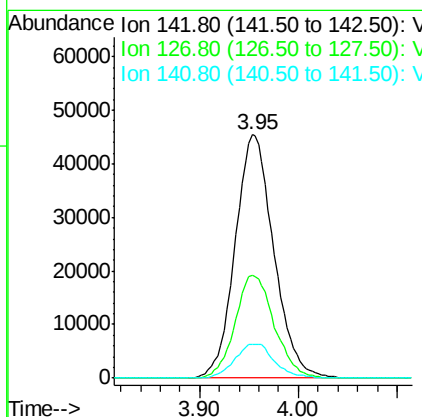
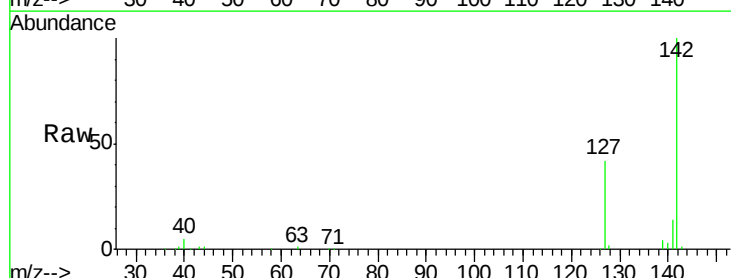
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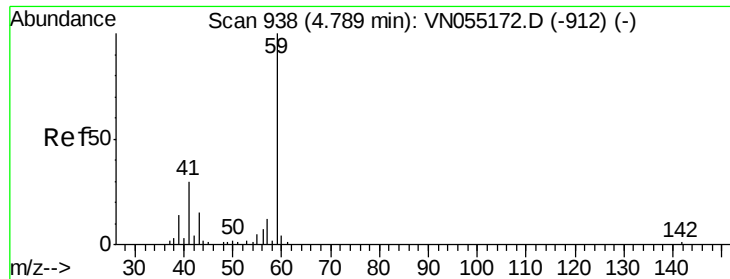
MMDadoda
 4/29/2019 10:56:58 AM



#10
 Methyl Iodide
 Concen: 20.608 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.1	51.1
141	14.3	11.4	17.2





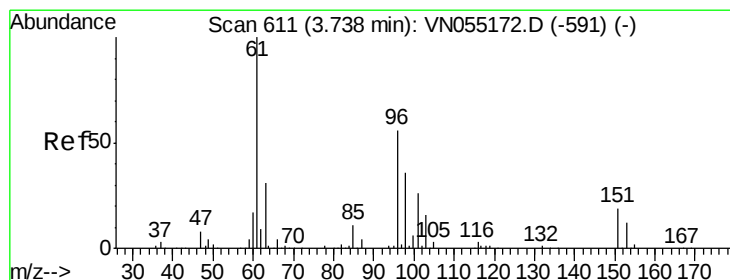
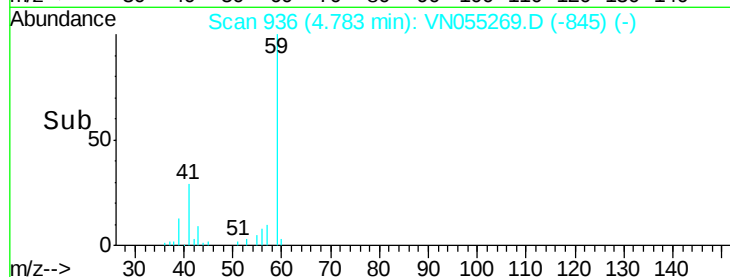
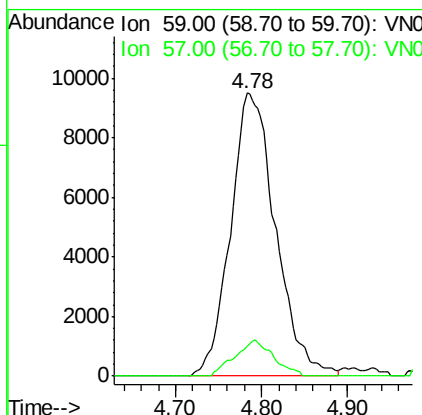
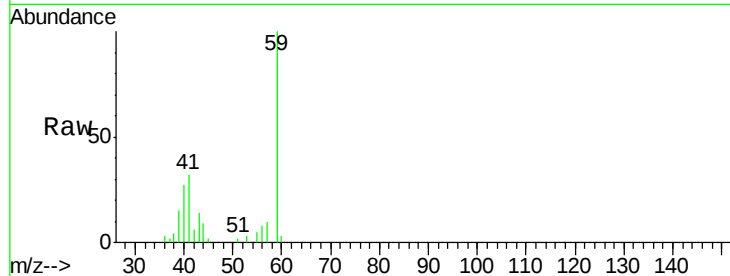
#11
Tert butyl alcohol
Concen: 109.952 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.01 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0427MBS01

Tot Ion	59	Resp	34486
Ion Ratio	100	Lower	Upper
57	11.0	8.8	13.2

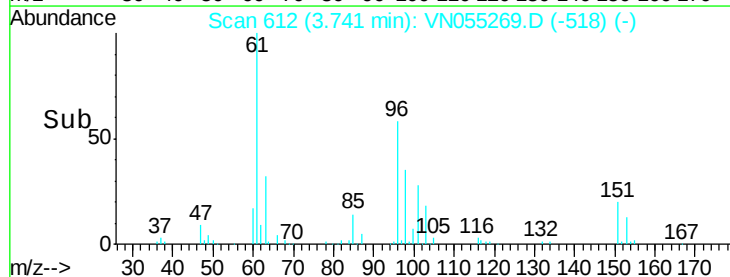
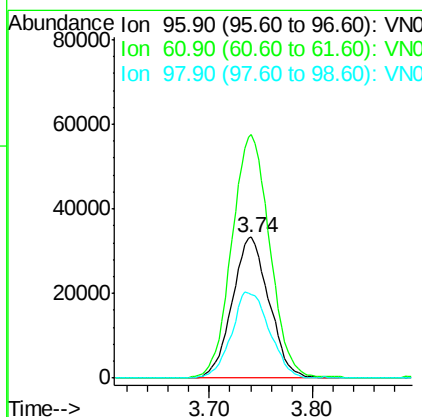
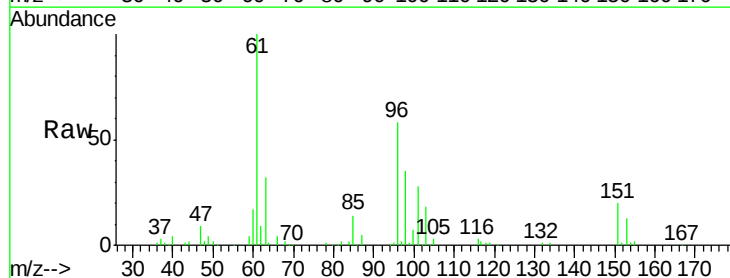
Manual Integrations
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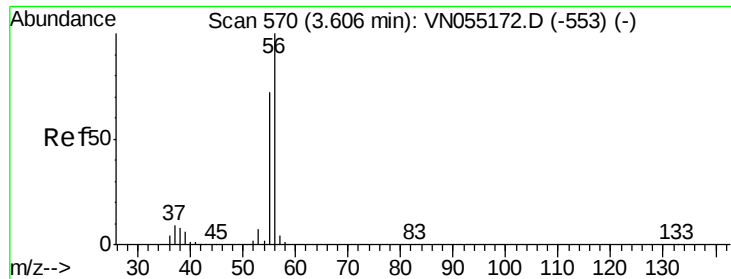
MMDadoda
4/29/2019 10:56:58 AM



#12
1,1-Dichloroethene
Concen: 20.262 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	96	Resp	82743
Ion Ratio	100	Lower	Upper
61	172.5	142.1	213.1
98	59.9	51.2	76.8





#13

Acrolein

Concen: 101.346 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion: 56 Resp: 44886

Ion Ratio Lower Upper

56 100

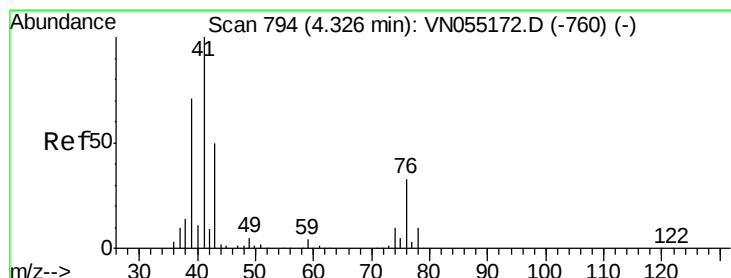
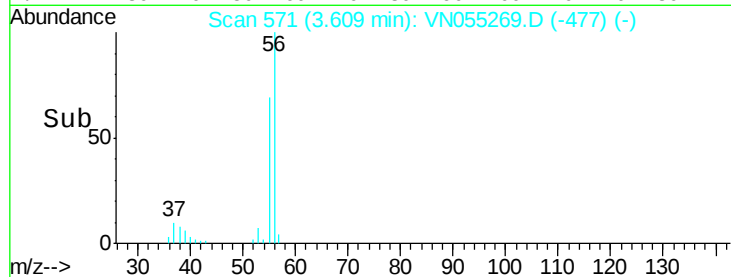
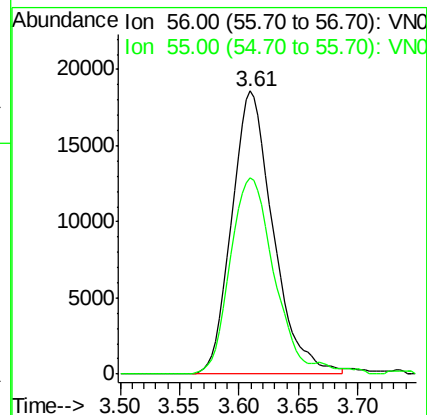
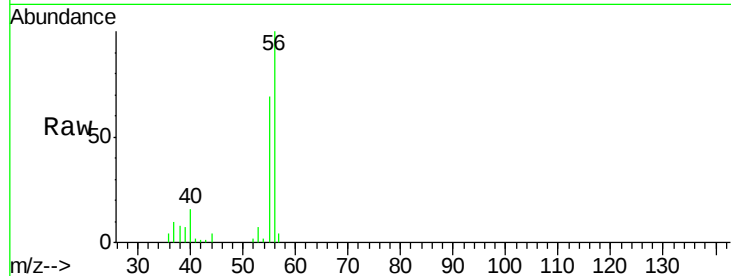
55 72.1 57.4 86.0

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#14

Allyl chloride

Concen: 20.870 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

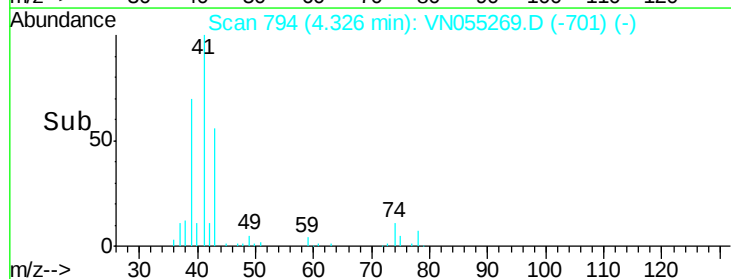
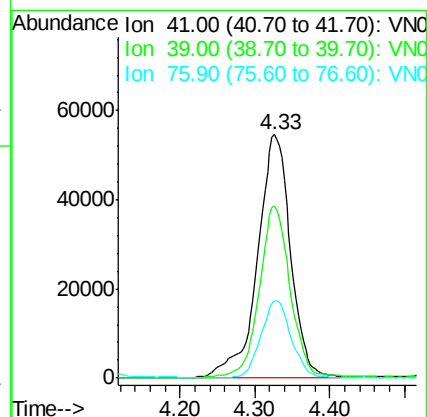
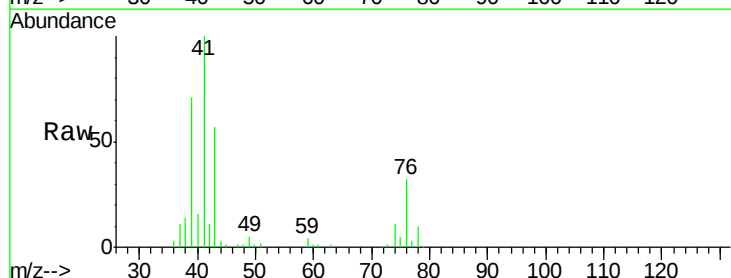
Tgt Ion: 41 Resp: 168479

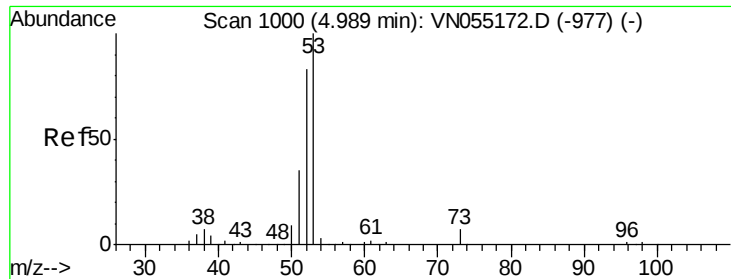
Ion Ratio Lower Upper

41 100

39 66.0 52.9 79.3

76 29.0 23.6 35.4





#15

Acrylonitrile

Concen: 108.763 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

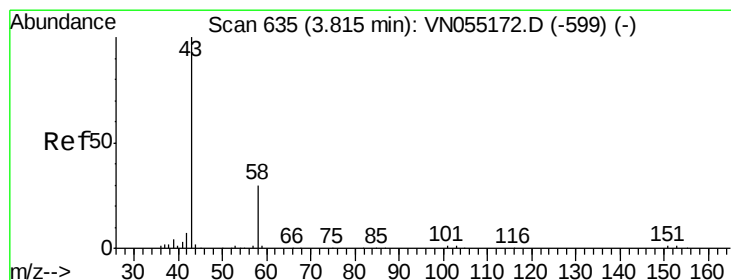
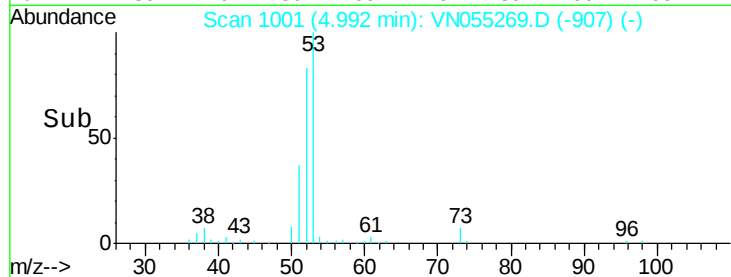
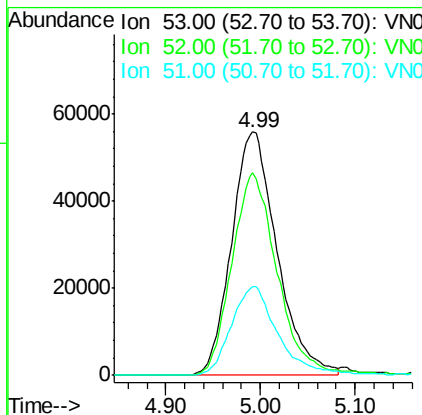
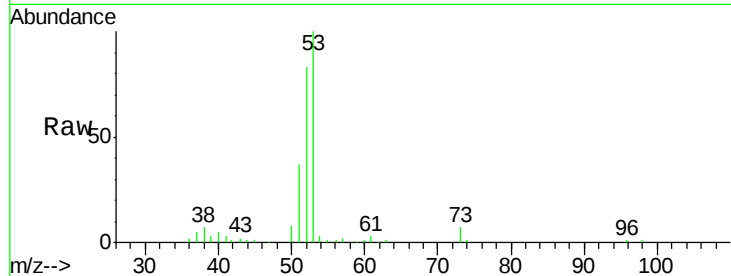
ClientSampleId :

VN0427MBS01

Tot Ion:	53	Resp:	187085
Ion Ratio	Lower	Upper	
53	100		
52	83.1	65.8	98.8
51	37.2	28.9	43.3

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#16

Acetone

Concen: 94.165 ug/l

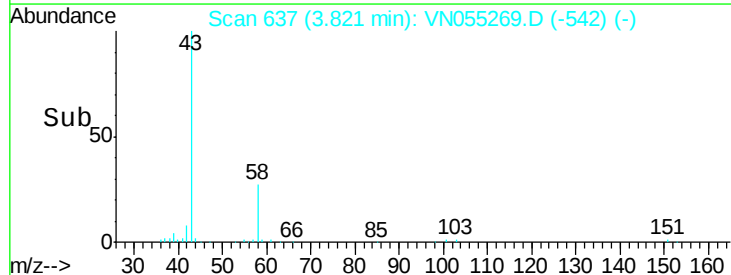
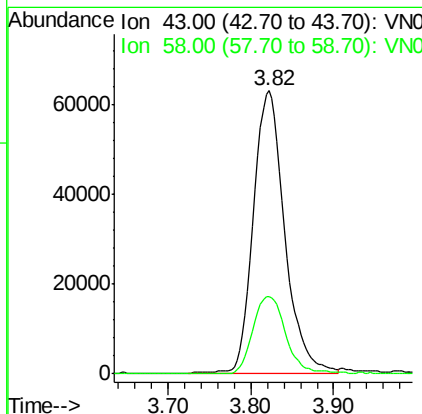
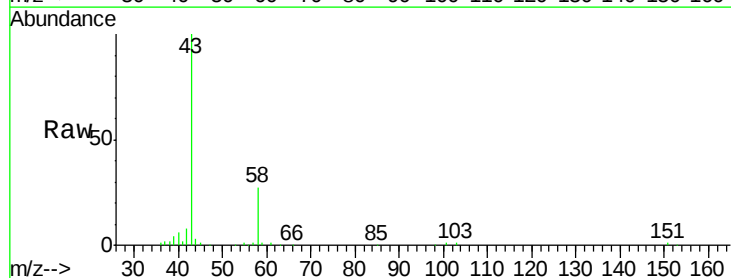
RT: 3.82 min Scan# 637

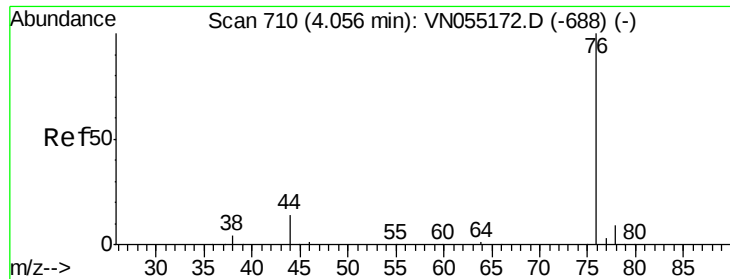
Delta R.T. 0.01 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	43	Resp:	167237
Ion Ratio	Lower	Upper	
43	100		
58	27.4	23.8	35.8





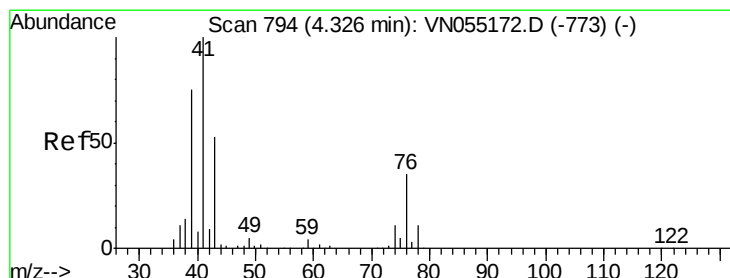
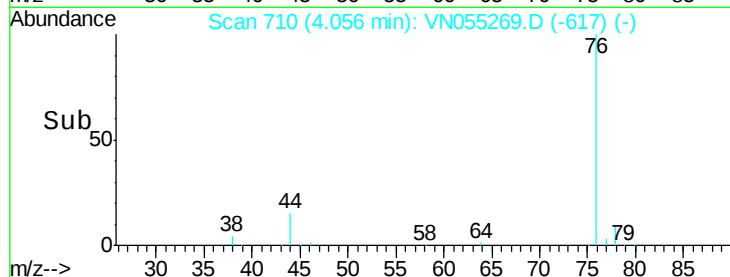
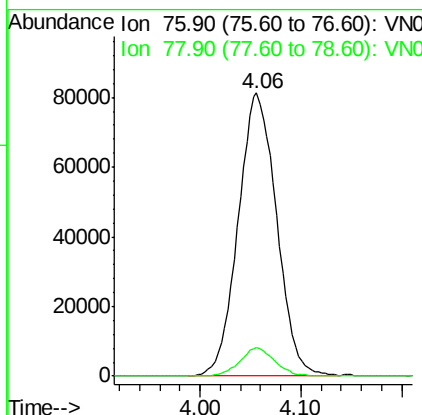
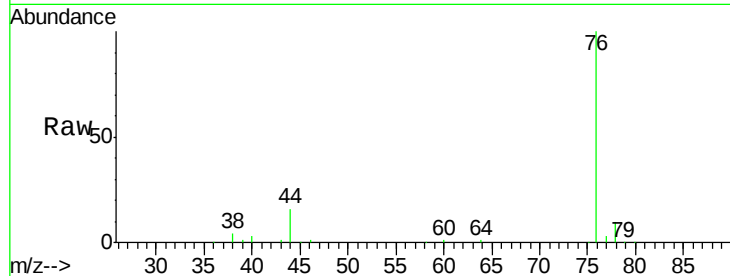
#17
Carbon Disulfide
Concen: 18.802 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion: 76 Resp: 214652
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9

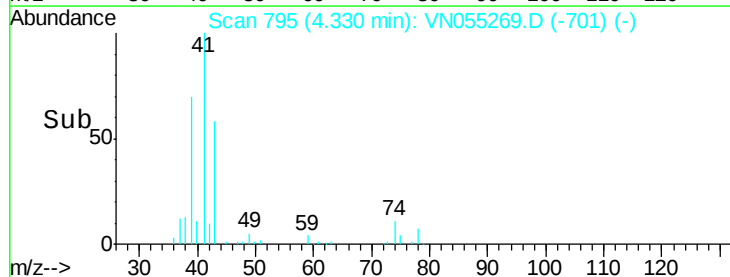
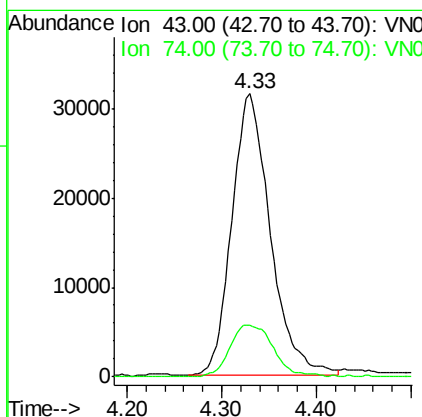
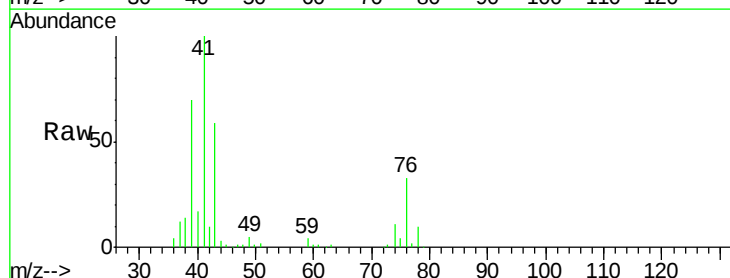
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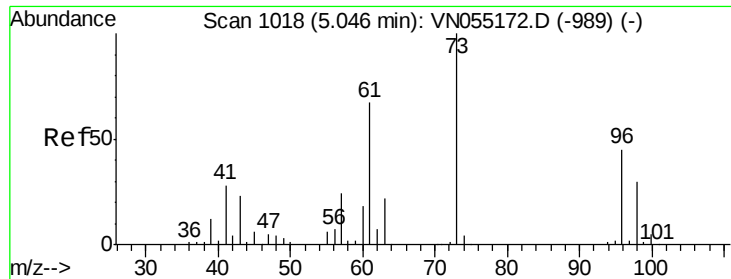
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#18
Methyl Acetate
Concen: 22.680 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 43 Resp: 88905
Ion Ratio Lower Upper
43 100
74 20.9 16.7 25.1





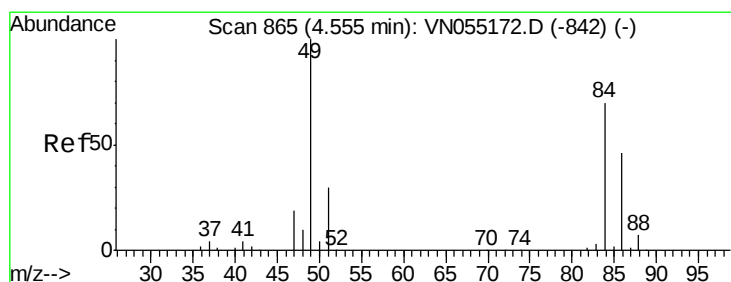
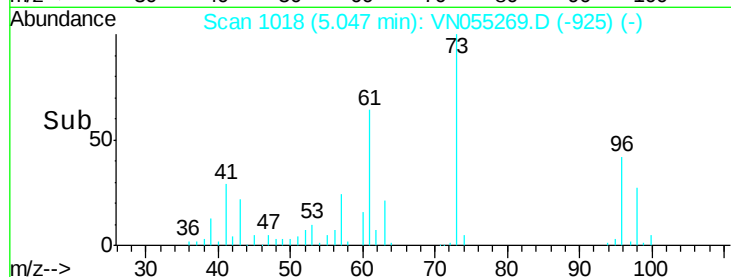
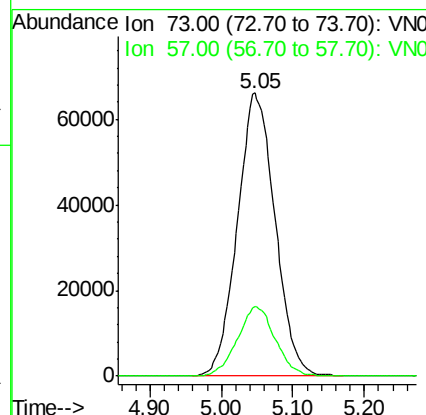
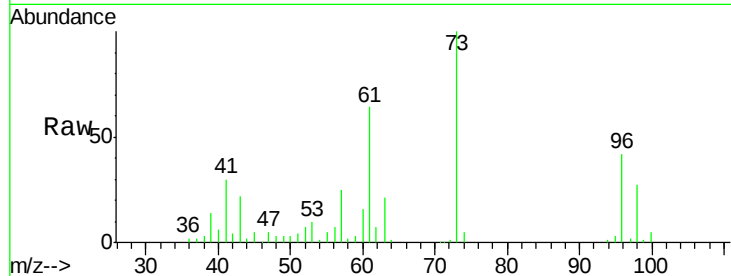
#19
Methvl tert-butvl Ether
Concen: 21.467 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion: 73 Resp: 242365
Ion Ratio Lower Upper
73 100
57 24.8 19.5 29.3

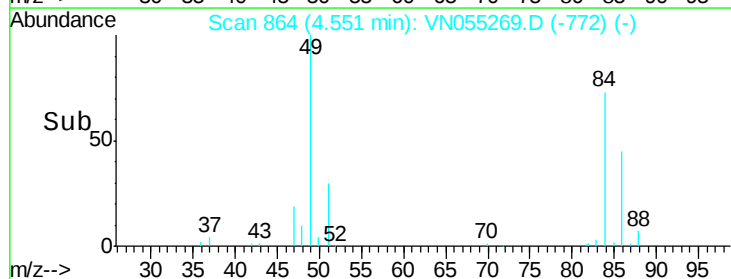
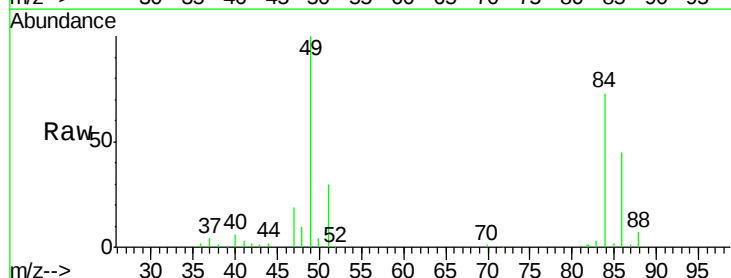
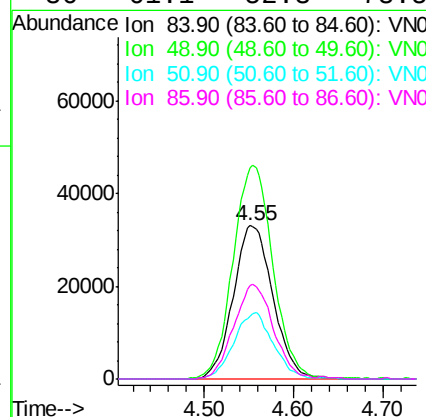
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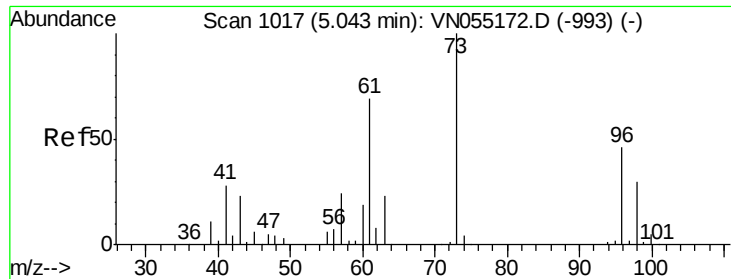
MMDadoda
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#20
Methylene Chloride
Concen: 20.059 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 84 Resp: 102416
Ion Ratio Lower Upper
84 100
49 136.6 113.8 170.6
51 40.9 34.0 51.0
86 61.1 52.3 78.5





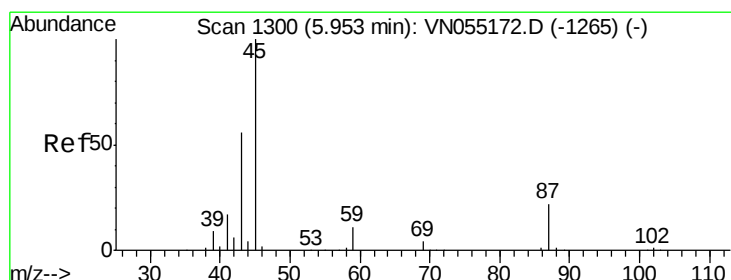
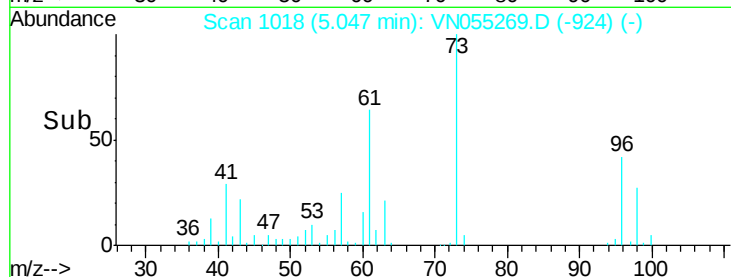
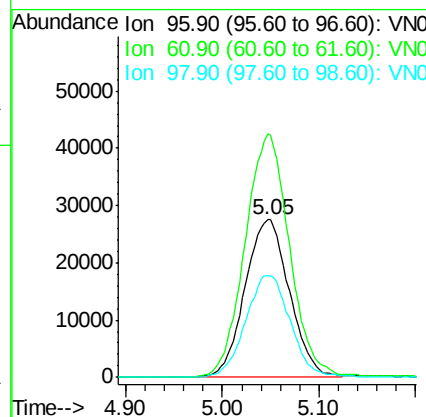
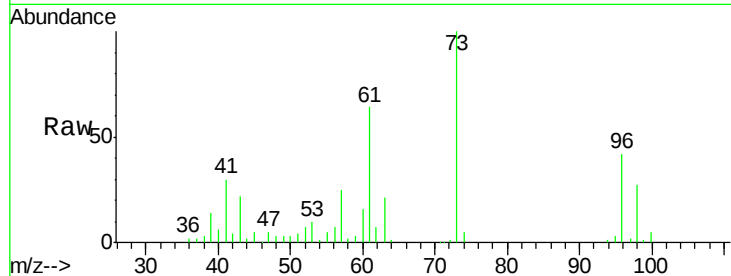
#21
trans-1,2-Dichloroethene
Concen: 20.537 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.8	119.3	178.9
98	64.3	53.0	79.4

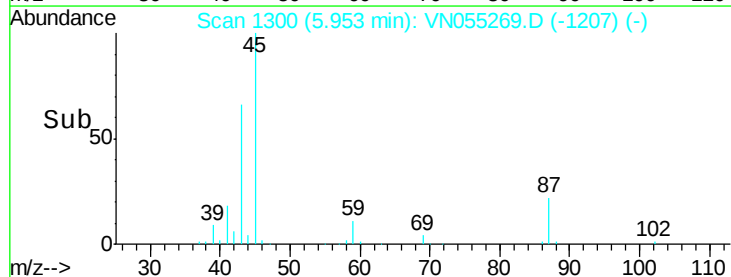
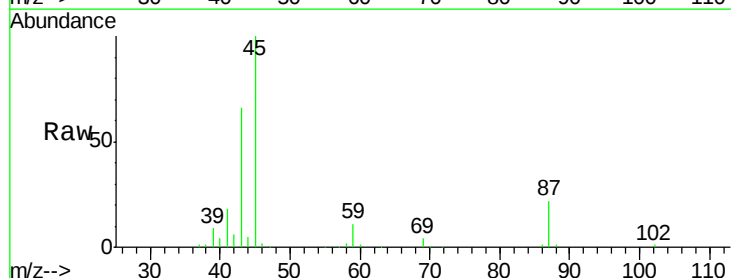
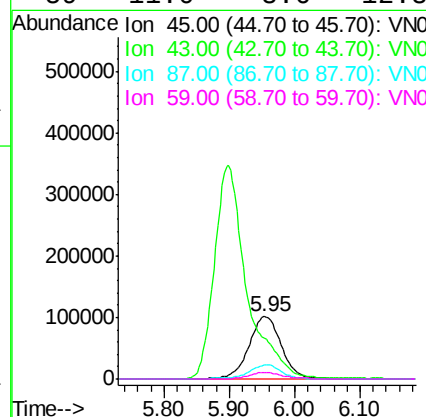
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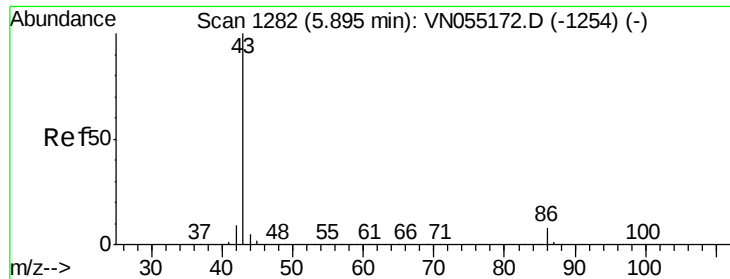
MMDadoda
4/29/2019 10:56:58 AM



#22
Diisopropyl ether
Concen: 21.840 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	47.4	71.0
87	21.8	18.4	27.6
59	11.0	8.6	12.8





#23

Vinyl Acetate

Concen: 110.912 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion: 43 Resp: 1199335

Ion Ratio Lower Upper

43 100

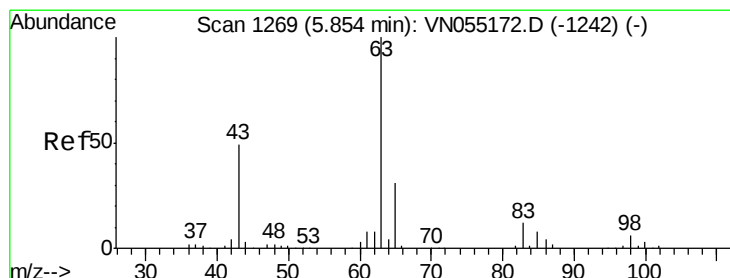
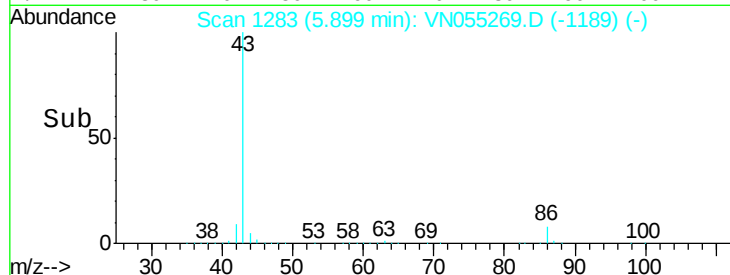
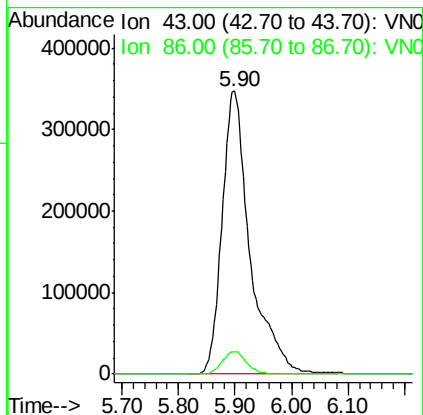
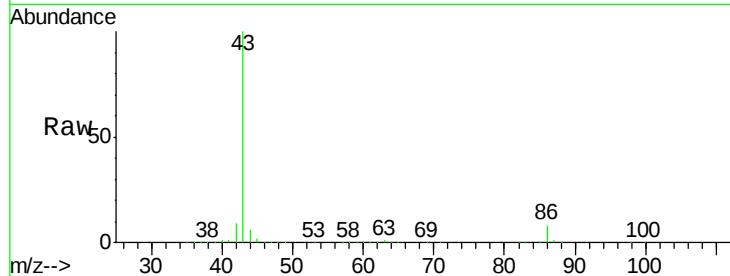
86 8.1 6.8 10.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.093 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

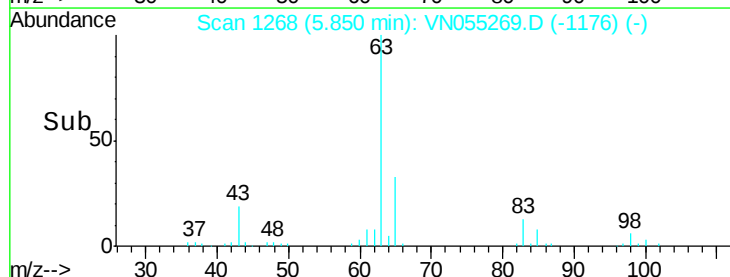
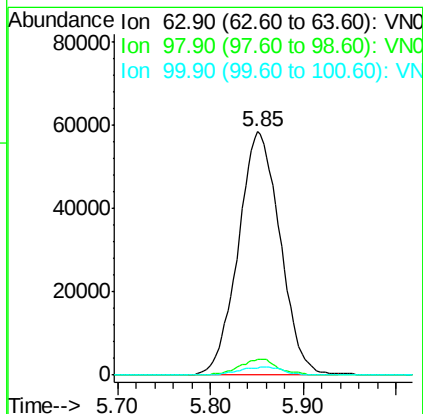
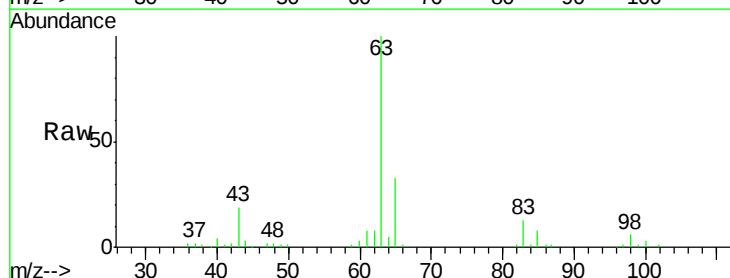
Tgt Ion: 63 Resp: 182565

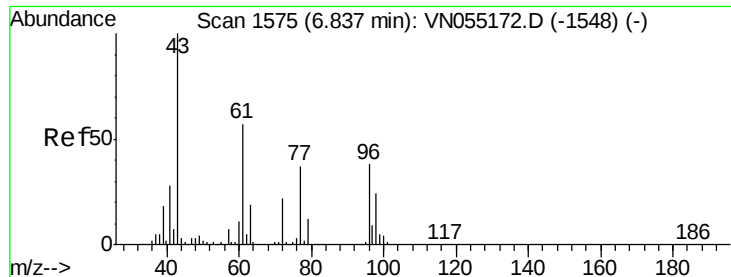
Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 3.0 1.8 5.3





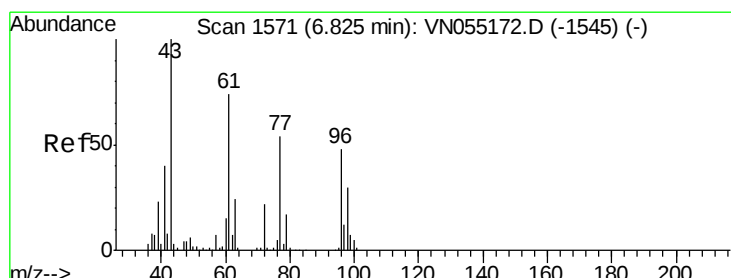
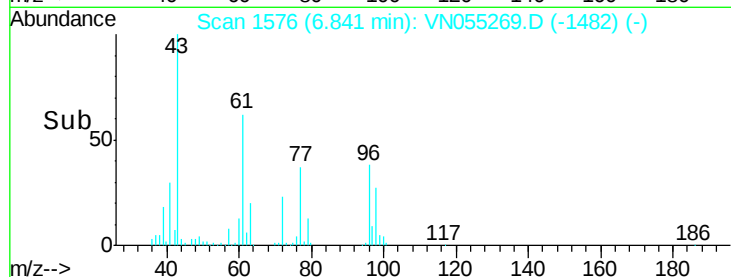
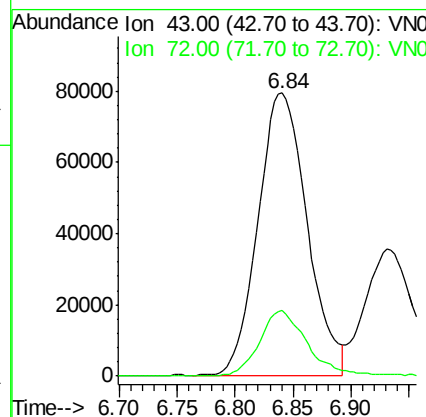
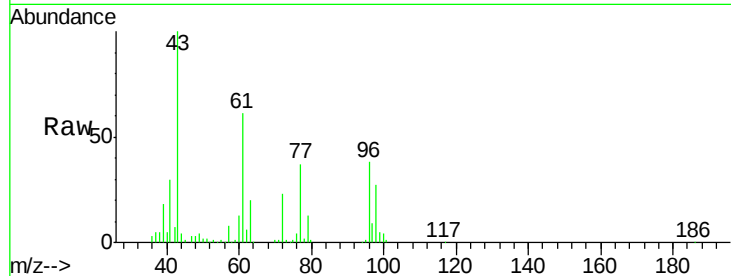
#25
2-Butanone
Concen: 101.625 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion: 43 Resp: 233012
Ion Ratio Lower Upper
43 100
72 23.2 17.8 26.8

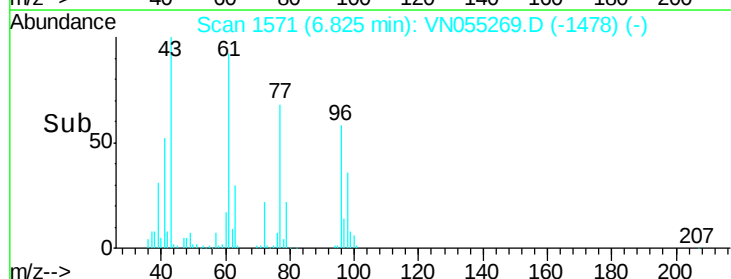
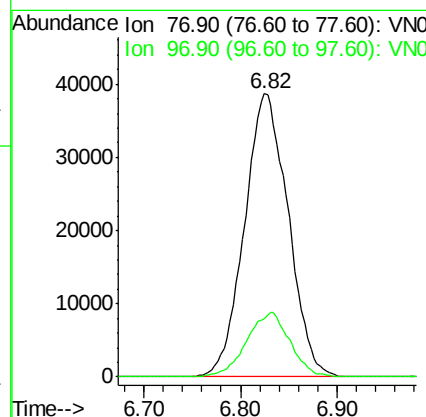
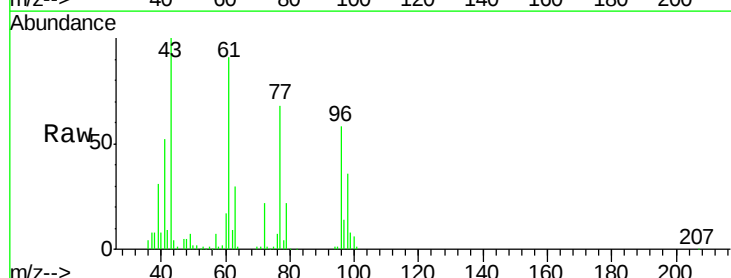
Manual Integrations
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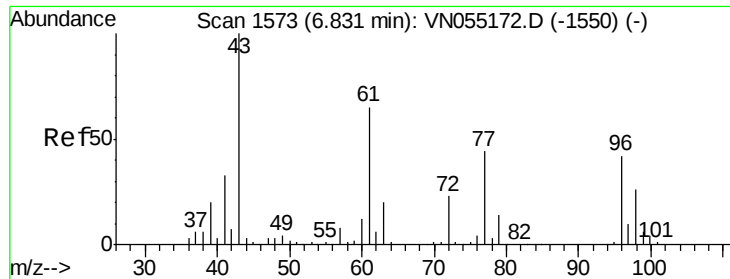
MMDadoda
4/29/2019 10:56:58 AM



#26
2,2-Dichloropropane
Concen: 20.735 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 77 Resp: 121450
Ion Ratio Lower Upper
77 100
97 22.5 11.3 33.8





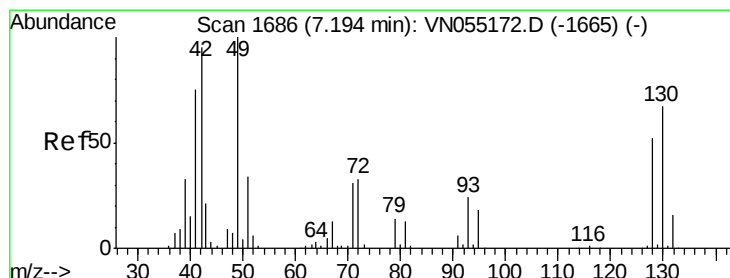
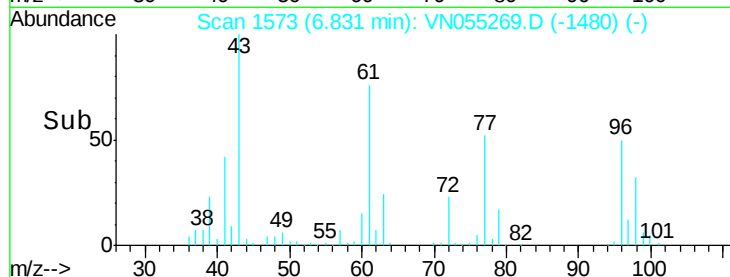
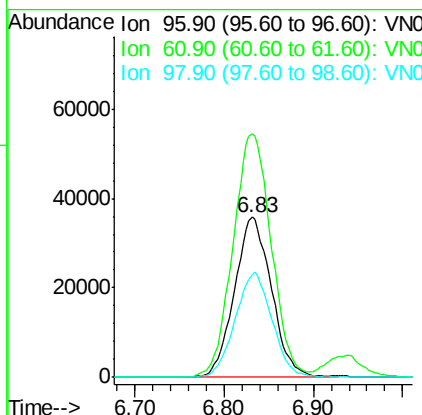
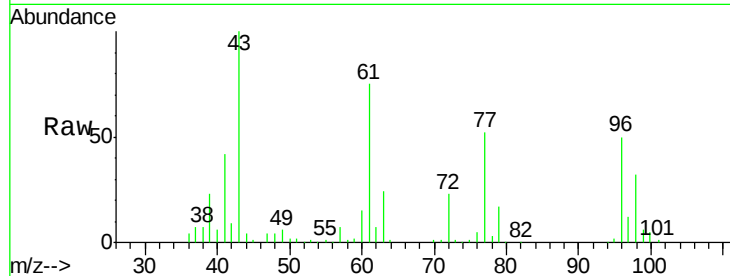
#27
 cis-1,2-Dichloroethene
 Concen: 20.871 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.7	0.0	310.8	
98	65.0	0.0	127.4	

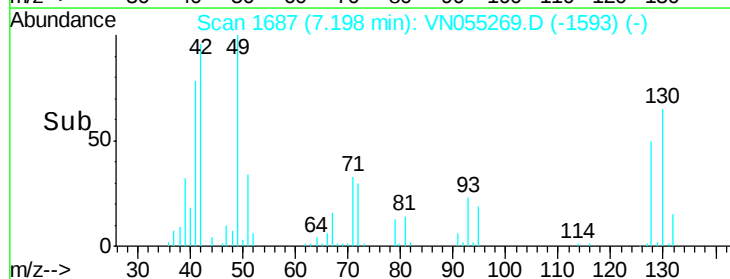
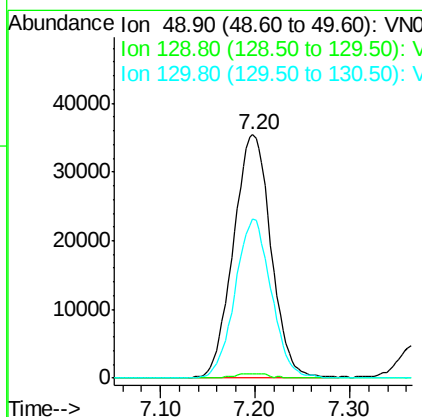
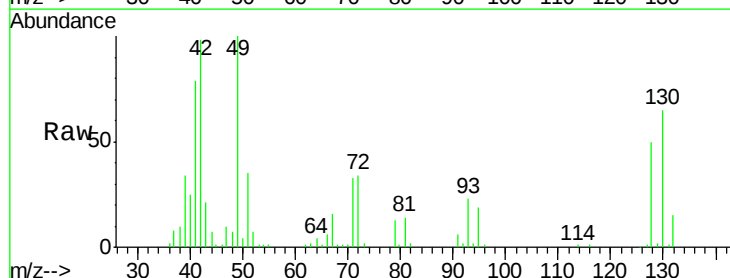
Manual Integrations
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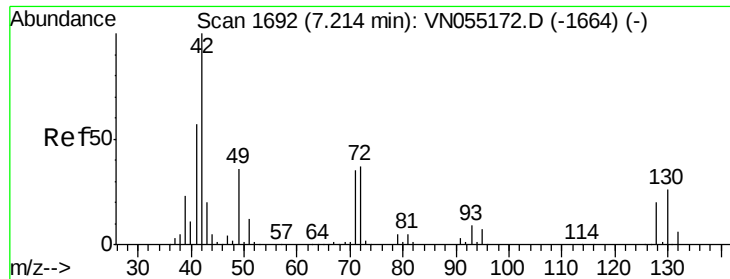
MMDadoda
 4/29/2019 10:56:58 AM



#28
 Bromochloromethane
 Concen: 22.258 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.8	
130	62.6	53.4	80.2	





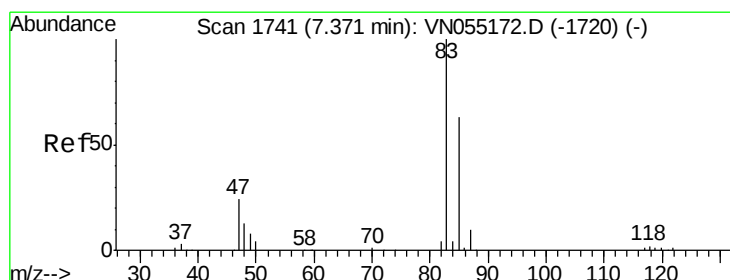
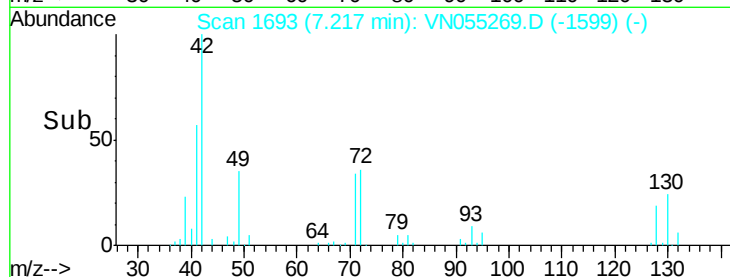
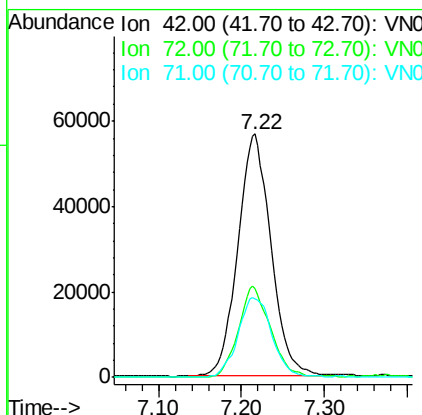
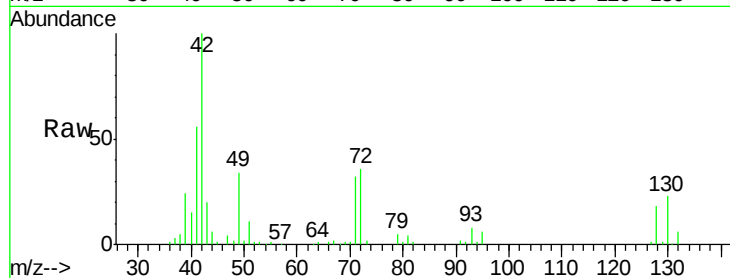
#29
Tetrahydrofuran
Concen: 112.138 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	158087		
72	36.4		29.4	44.2
71	33.8		27.8	41.8

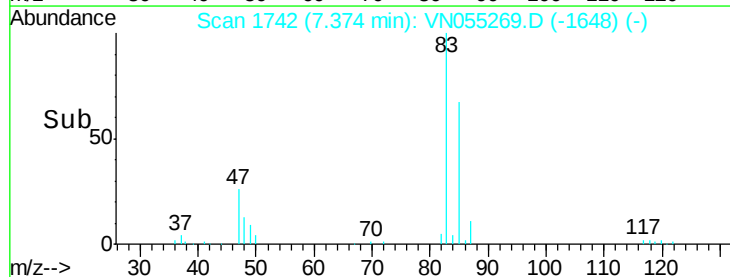
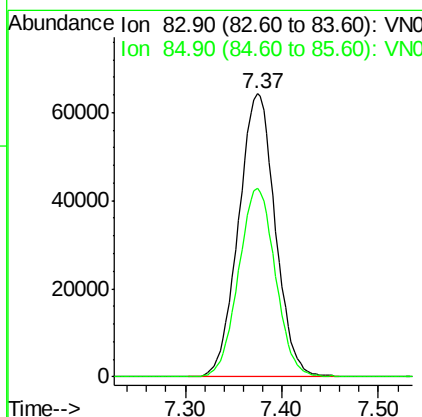
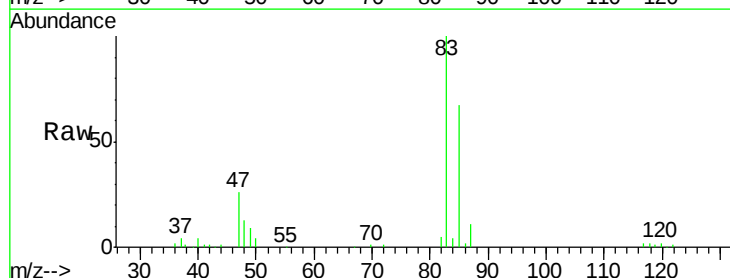
Manual Integrations
APPROVED

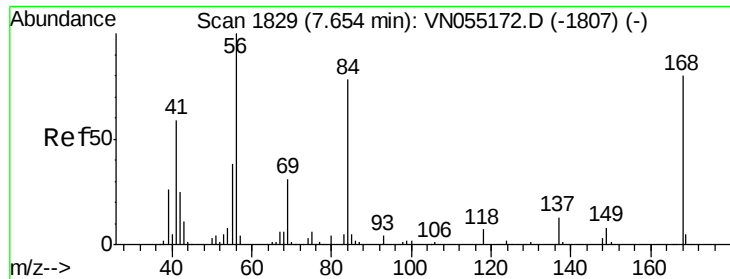
MMDadoda
4/29/2019 10:56:58 AM



#30
Chloroform
Concen: 20.600 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	169600		
85	66.8		50.6	76.0





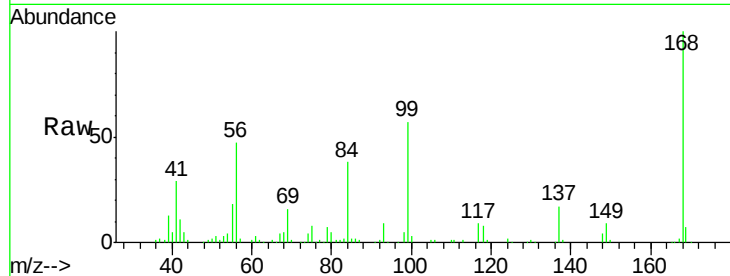
#31
Cyclohexane
Concen: 20.335 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0427MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	24.6	37.0
84	78.5	61.4	92.2

Manual Integrations
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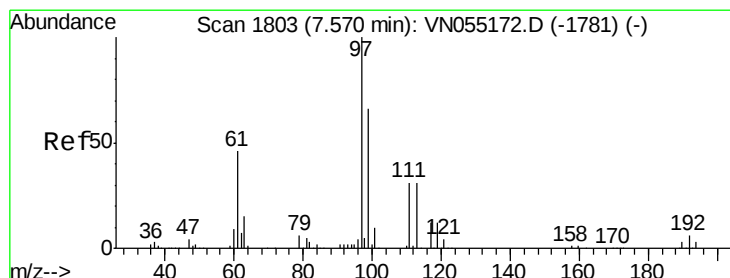
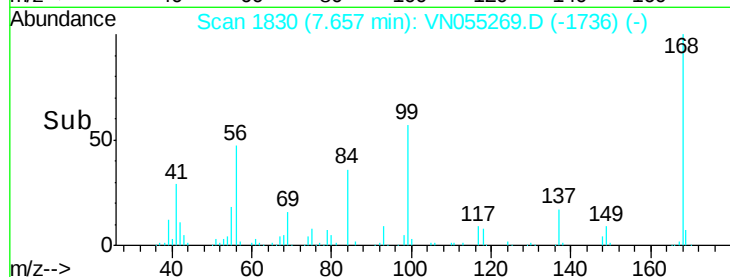
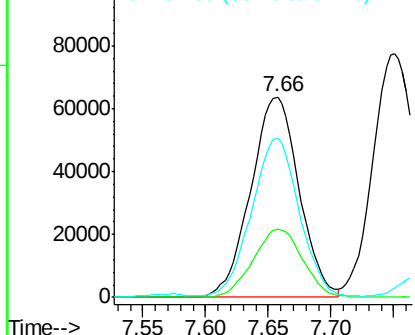


Abundance

Ion 56.00 (55.70 to 56.70): VN055172.D (-1807) (-)

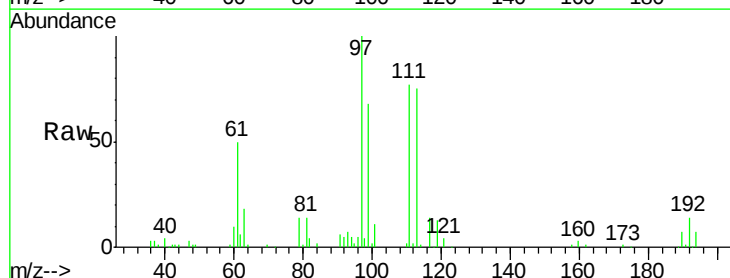
Ion 69.00 (68.70 to 69.70): VN055172.D (-1807) (-)

Ion 84.00 (83.70 to 84.70): VN055172.D (-1807) (-)



#32
1,1,1-Trichloroethane
Concen: 20.860 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.1	76.7
61	49.6	38.3	57.5

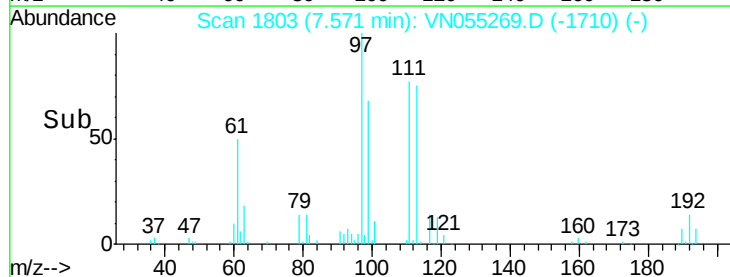
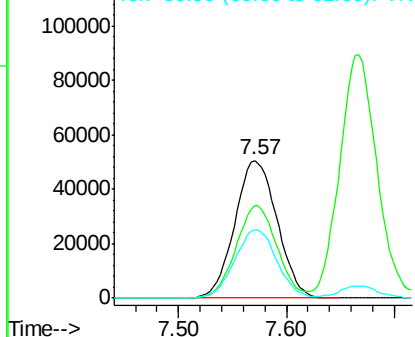


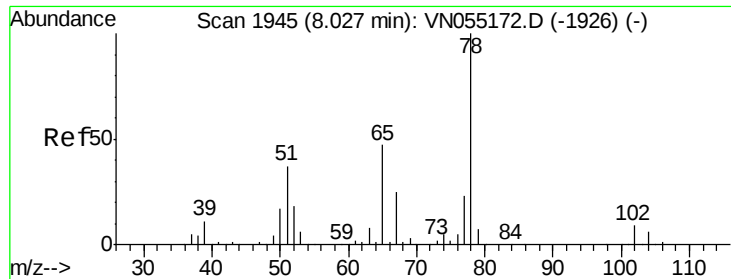
Abundance

Ion 96.90 (96.60 to 97.60): VN055172.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN055172.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN055172.D (-1781) (-)





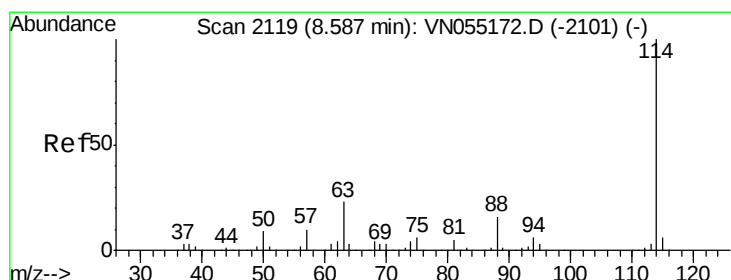
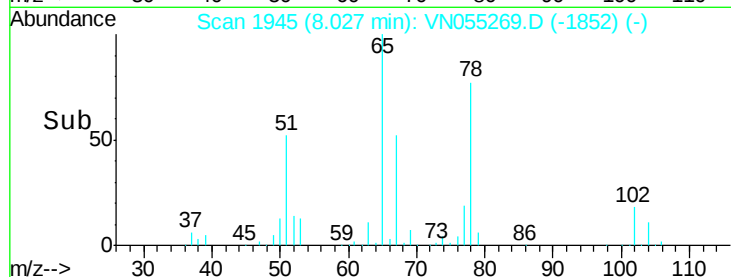
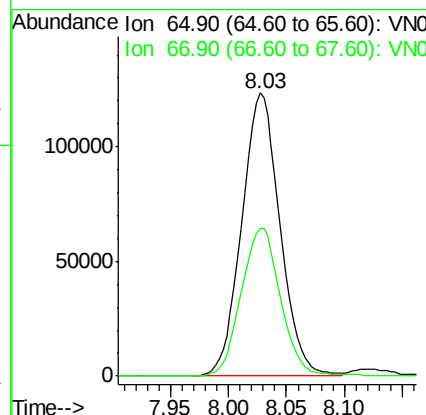
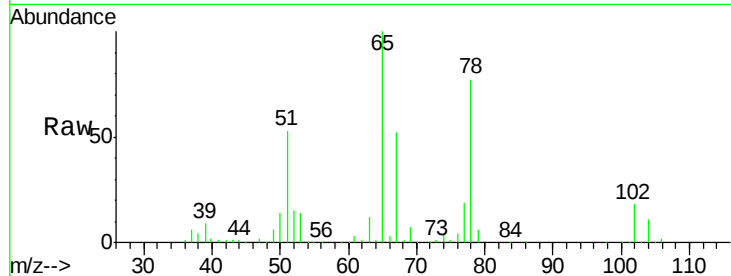
#33
 1,2-Dichloroethane-d4
 Concen: 52.883 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	284103		
67	53.4	0.0	108.6	

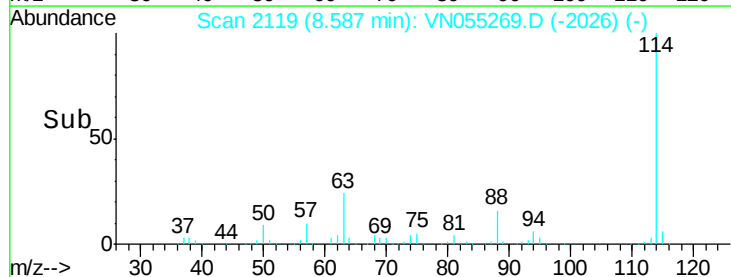
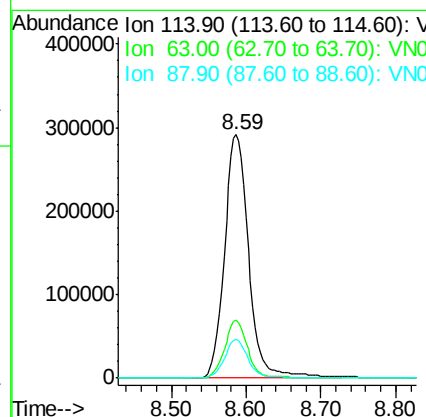
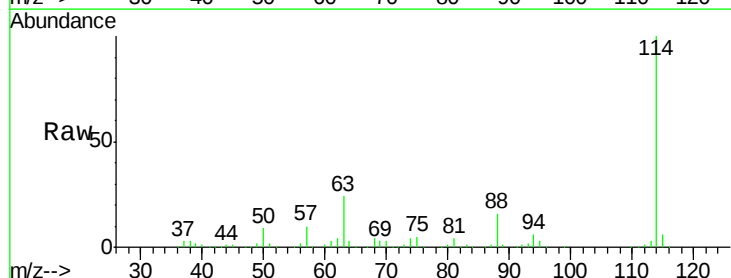
Manual Integrations
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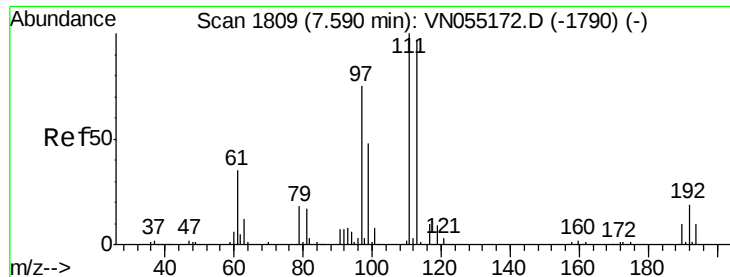
MMDadoda
 4/29/2019 10:56:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	651263		
63	23.8	0.0	45.2	
88	15.8	0.0	32.8	





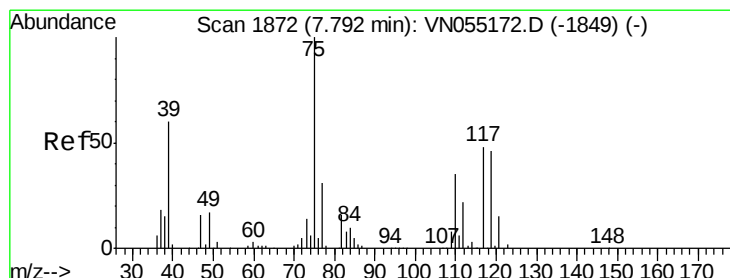
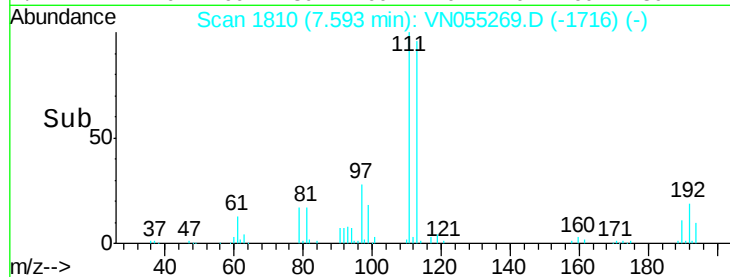
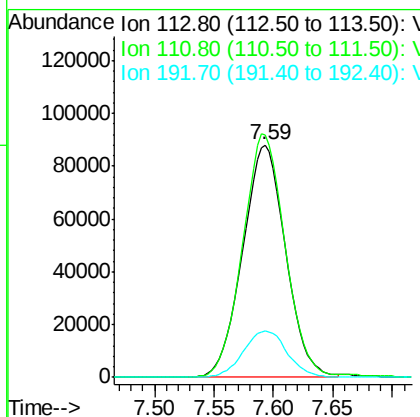
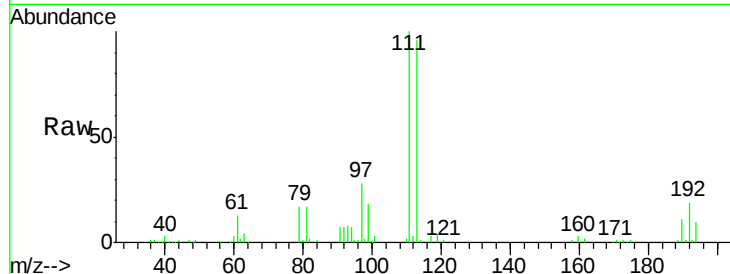
#35
 Dibromofluoromethane
 Concen: 49.690 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219844		
111	104.6	81.0	121.4	
192	20.5	16.2	24.4	

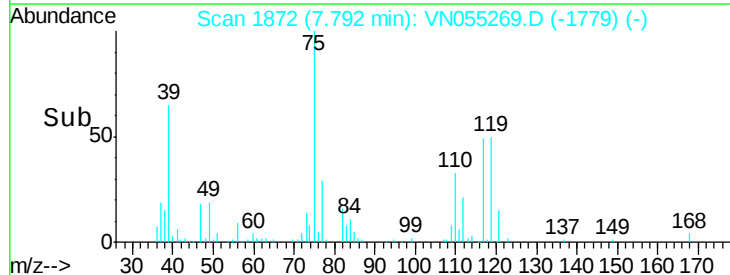
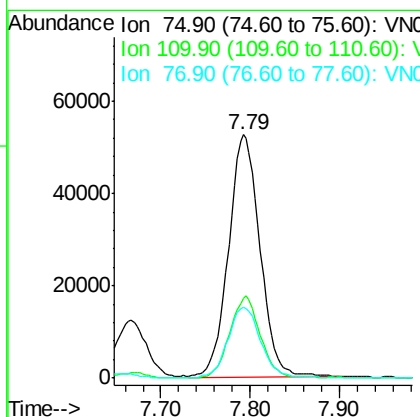
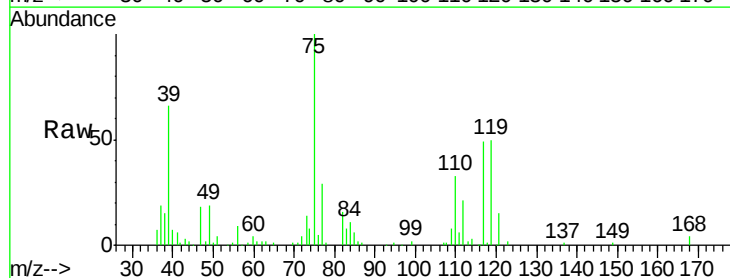
Manual Integrations
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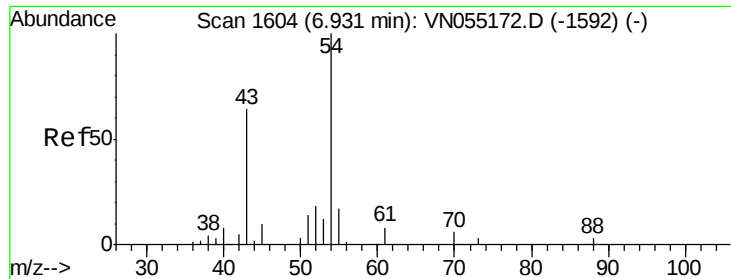
MMDadoda
 4/29/2019 10:56:58 AM



#36
 1,1-Dichloropropene
 Concen: 21.083 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	127440		
110	33.0	17.1	51.2	
77	30.7	24.6	36.8	





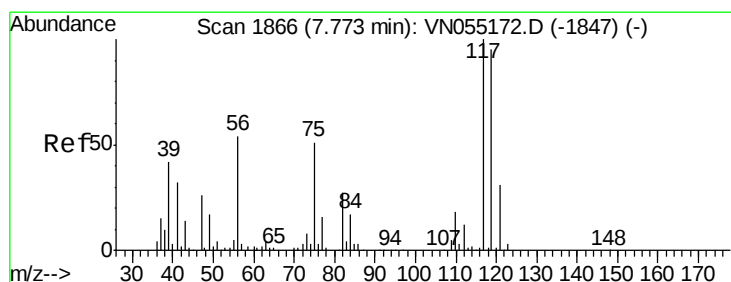
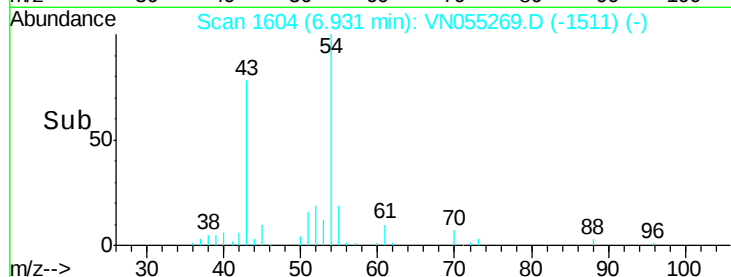
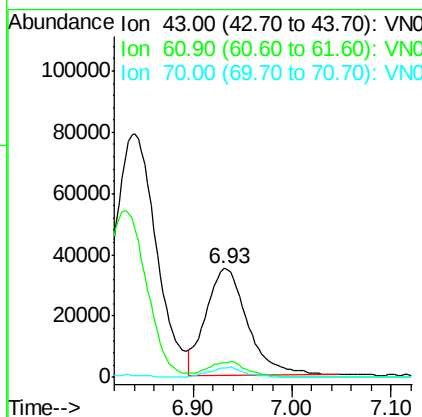
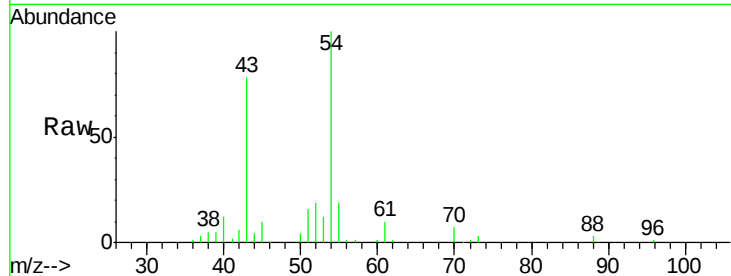
#37
Ethyl Acetate
Concen: 21.277 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion	43	61	70
Resp	103798		
Ratio	100	13.3	8.2
Lower		9.7	6.9
Upper		14.5	10.3

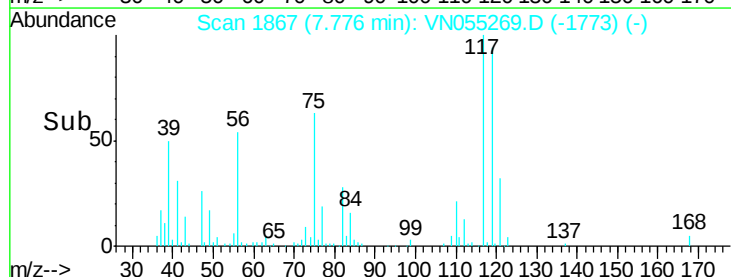
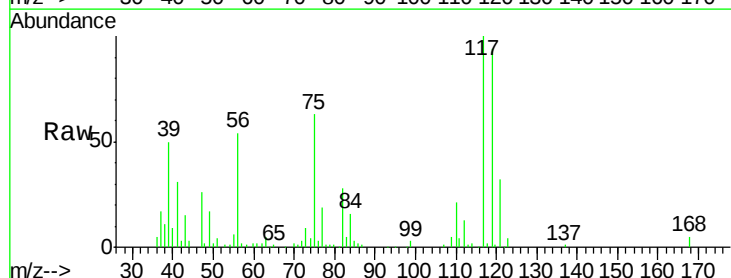
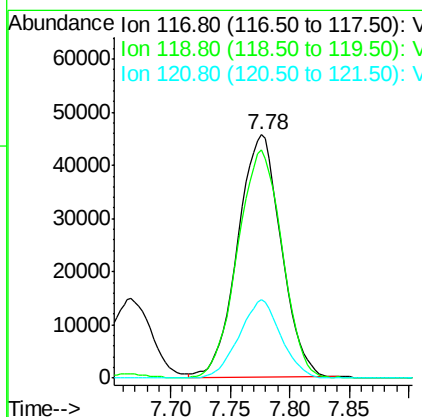
Manual Integrations
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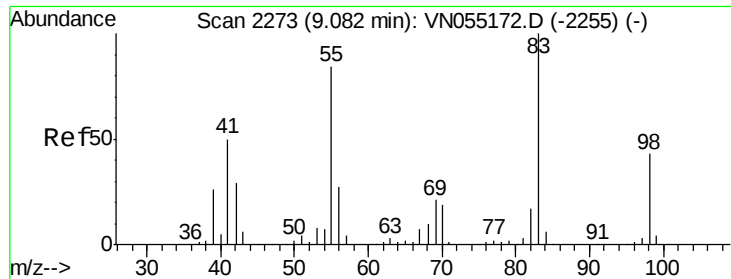
MMDadoda
4/29/2019 10:56:58 AM



#38
Carbon Tetrachloride
Concen: 20.389 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	117	119	121
Resp	115414		
Ratio	100	94.0	32.4
Lower		76.0	24.6
Upper		114.0	36.8





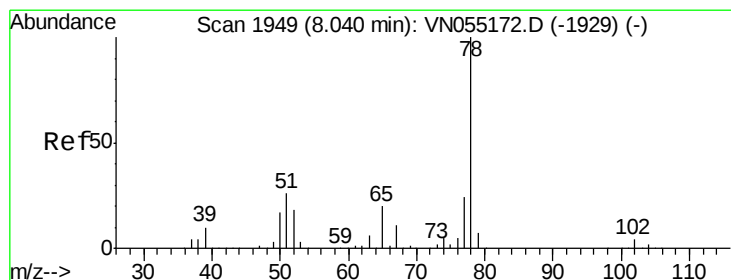
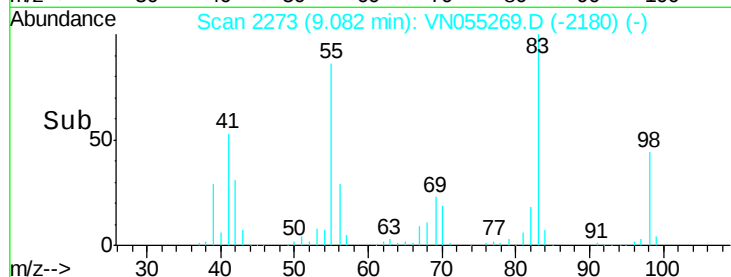
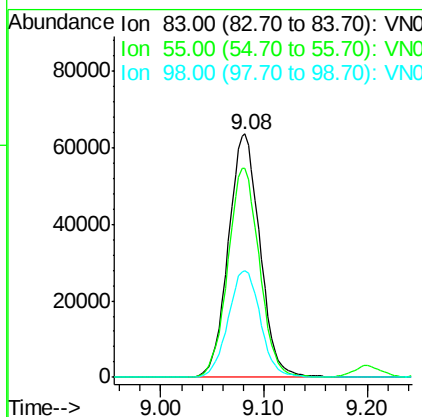
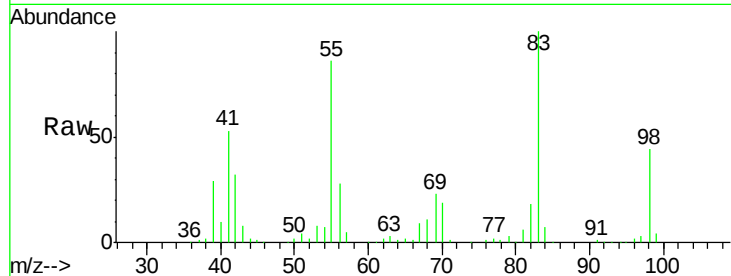
#39
Methvlcvclohexane
Concen: 18.816 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion	83	Resp	135687
Ion Ratio	Lower	Upper	
83	100		
55	85.8	67.4	101.0
98	43.8	34.7	52.1

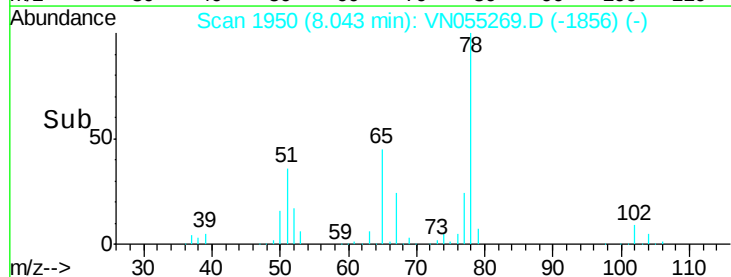
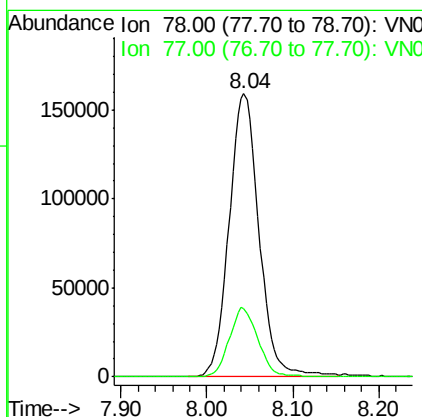
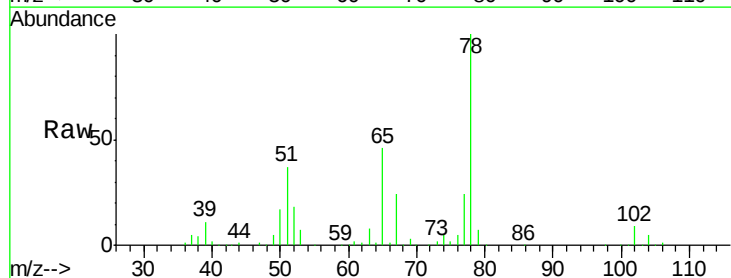
Manual Integrations
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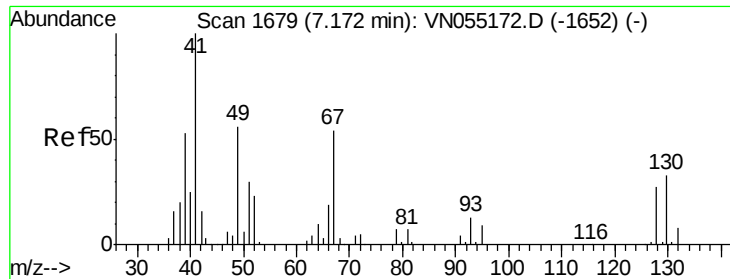
MMDadoda
4/29/2019 10:56:58 AM



#40
Benzene
Concen: 20.611 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	78	Resp	384602
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.5	29.3





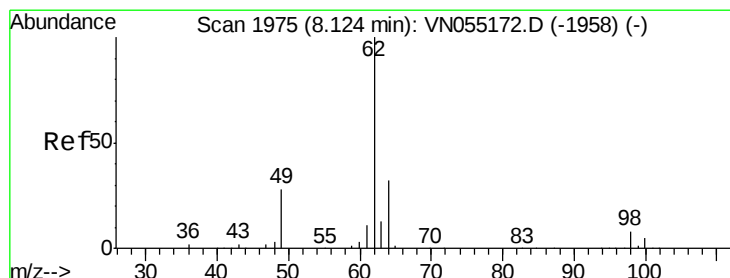
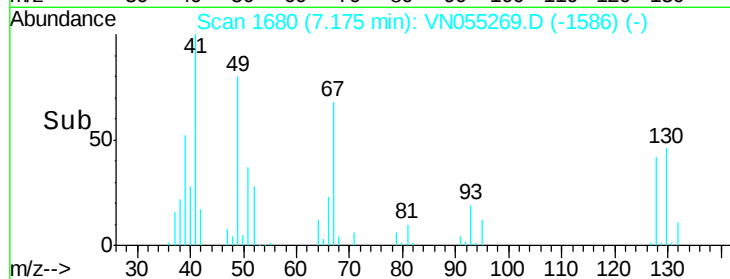
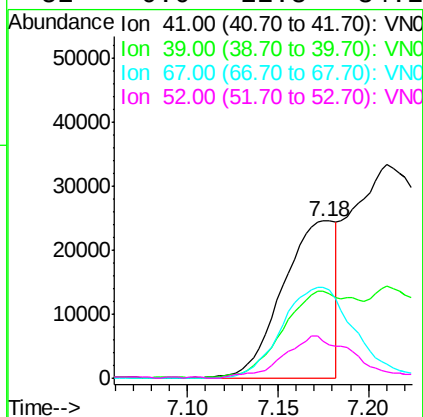
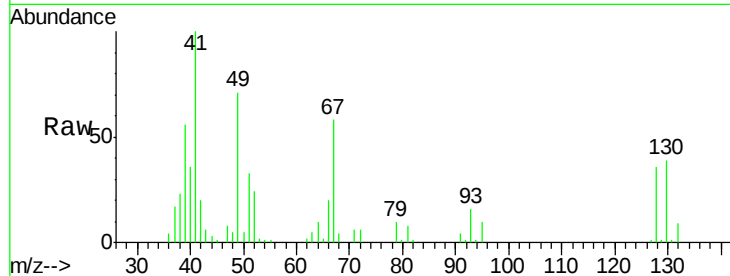
#41
Methacrylonitrile
Concen: 19.397 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.0#
67	0.0	54.6	81.8#
52	0.0	22.8	34.2#

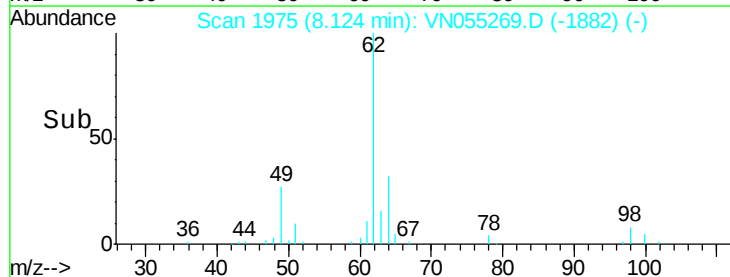
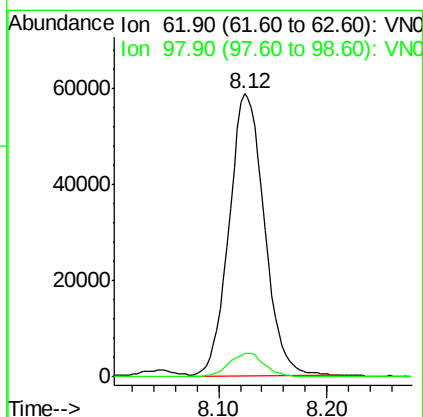
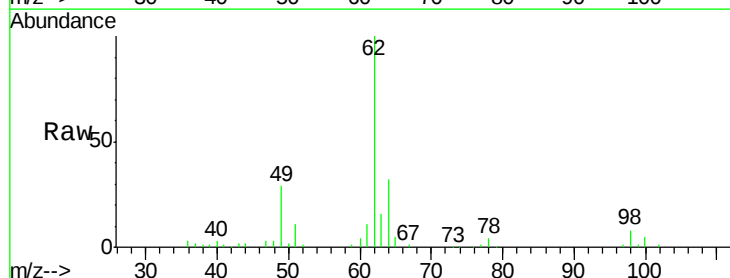
Manual Integrations
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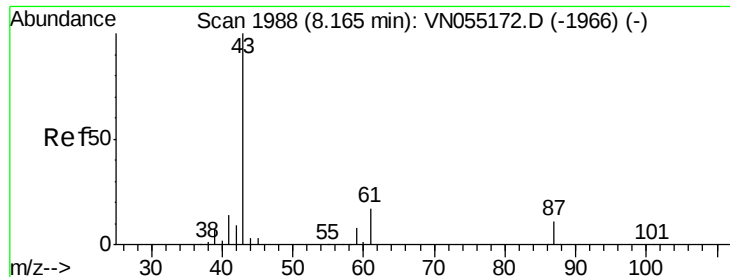
MMDadoda
4/29/2019 10:56:58 AM



#42
1,2-Dichloroethane
Concen: 20.493 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 21.616 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

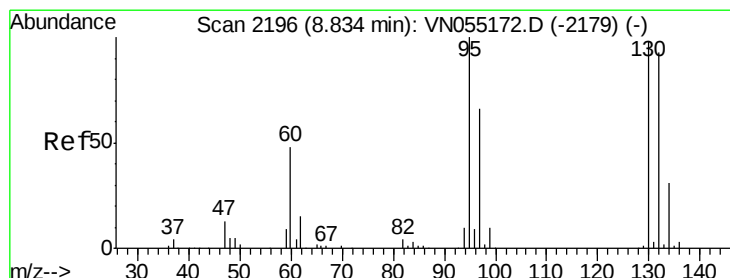
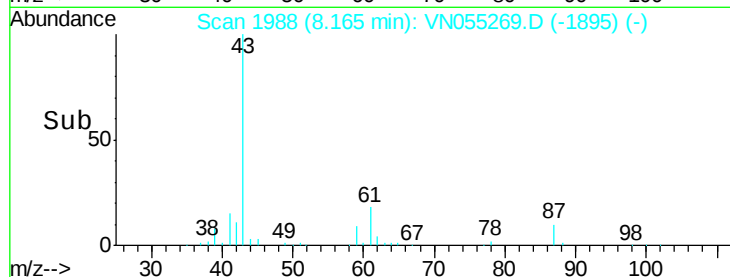
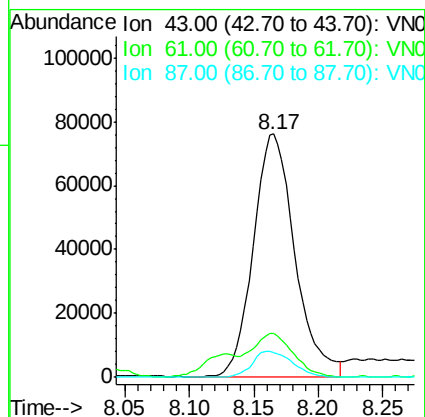
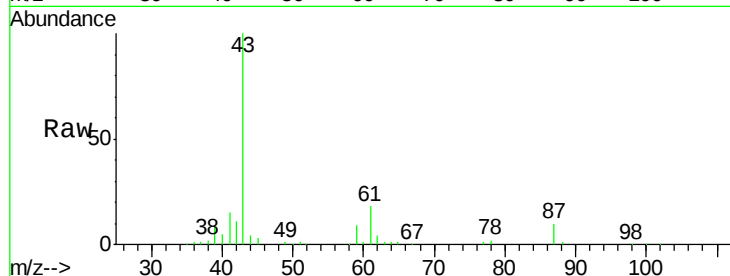
ClientSampleId :

VN0427MBS01

Tot Ion:	43	Resp:	170761
Ion	Ratio	Lower	Upper
43	100		
61	17.3	20.6	30.8#
87	10.4	8.8	13.2

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#44

Trichloroethene

Concen: 20.383 ug/l

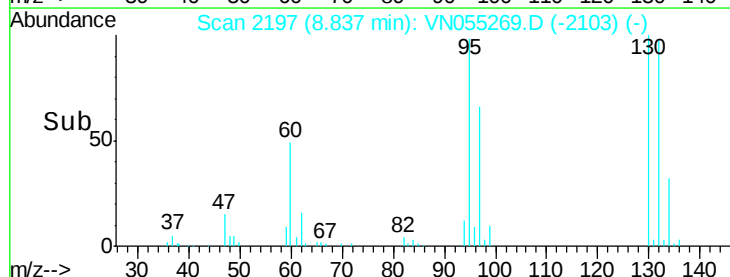
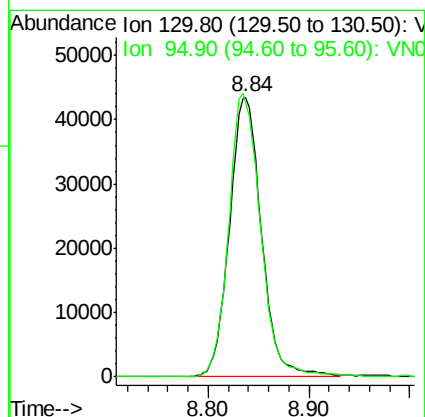
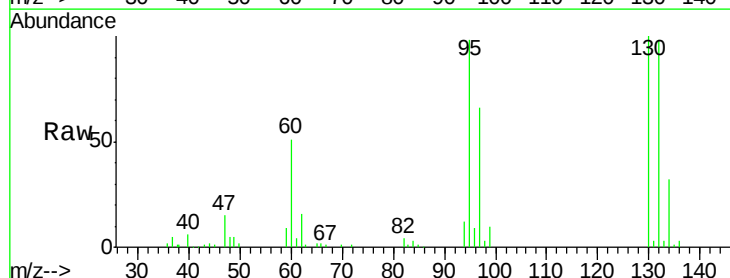
RT: 8.84 min Scan# 2197

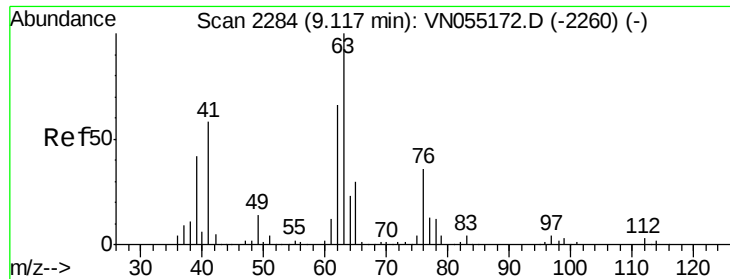
Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	130	Resp:	96132
Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	203.6





#45

1,2-Dichloropropane

Concen: 20.891 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion: 63 Resp: 110038

Ion Ratio Lower Upper

63 100

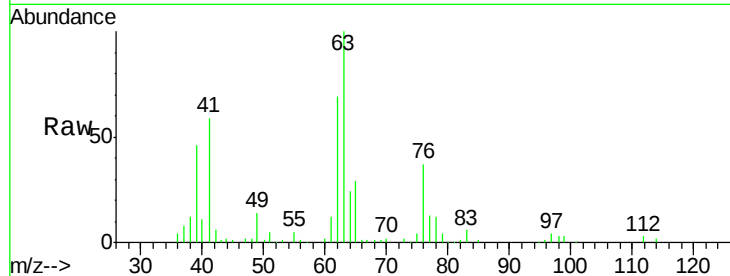
65 29.2 23.8 35.6

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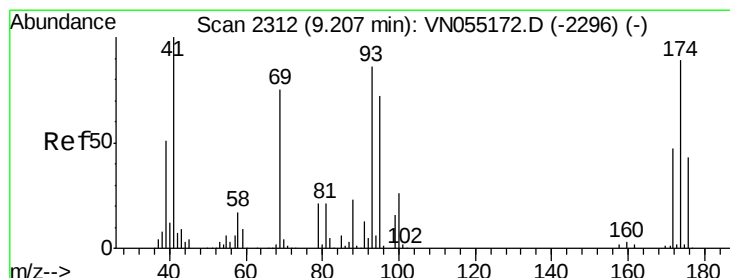
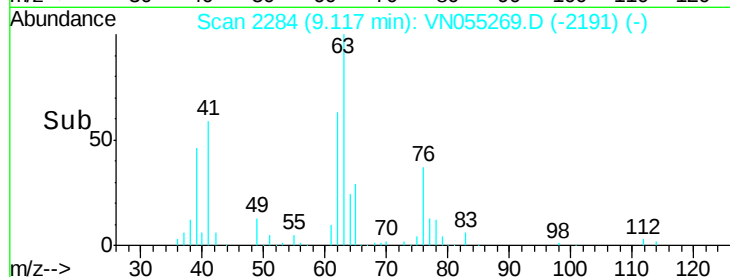
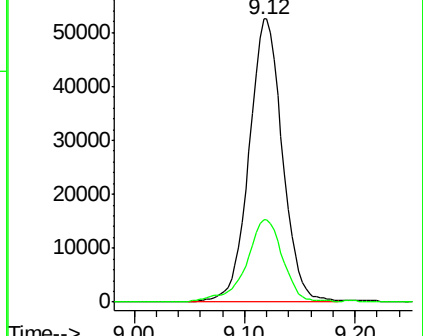
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.436 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

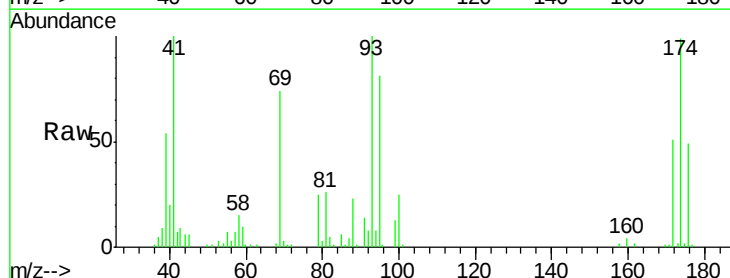
Tgt Ion: 93 Resp: 61618

Ion Ratio Lower Upper

93 100

95 84.5 67.6 101.4

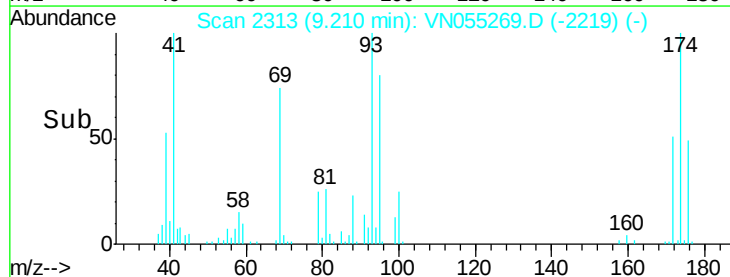
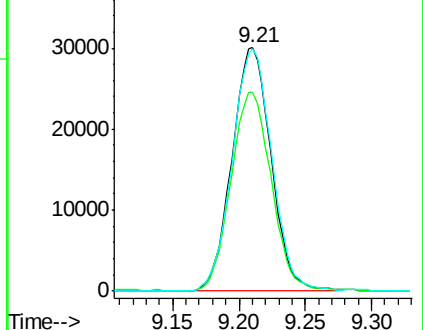
174 100.8 83.4 125.2

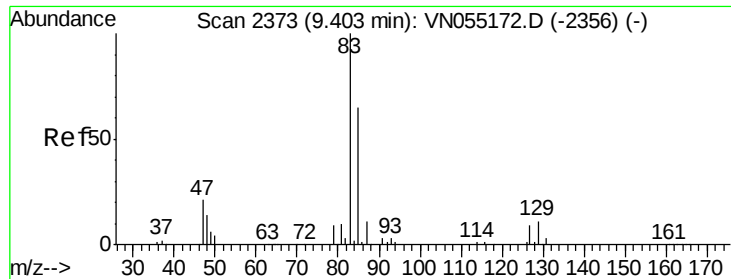


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.980 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

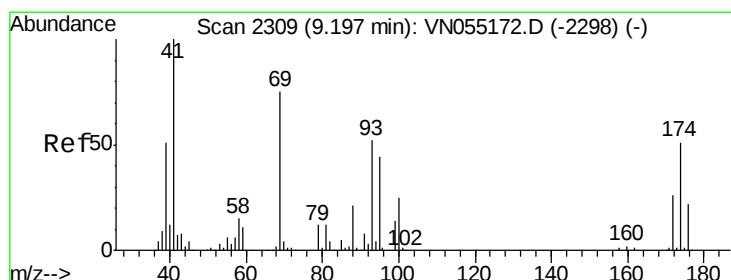
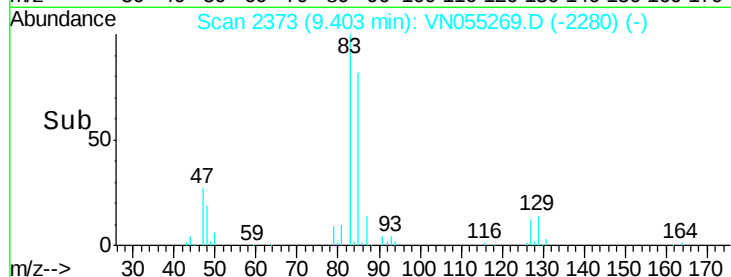
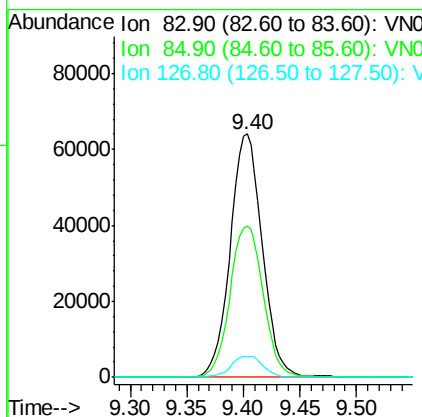
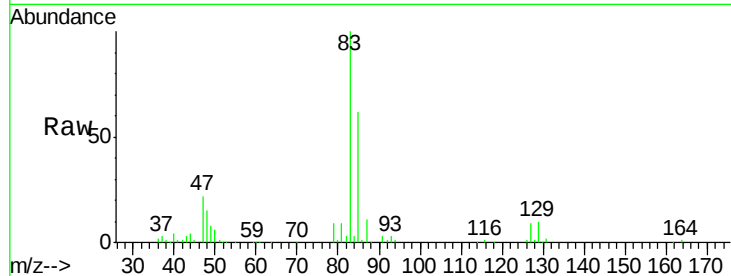
ClientSampleId :

VN0427MBS01

Tot Ion:	83	Resp:	126639
Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.1	78.1
127	8.8	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.044 ug/l

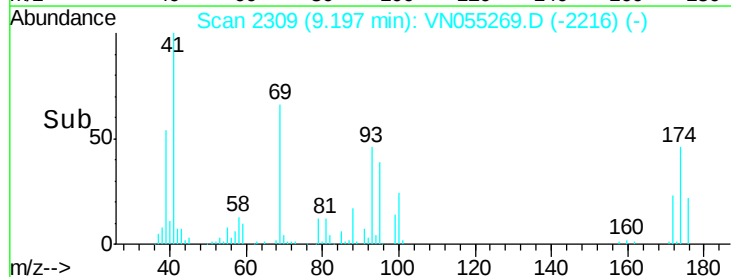
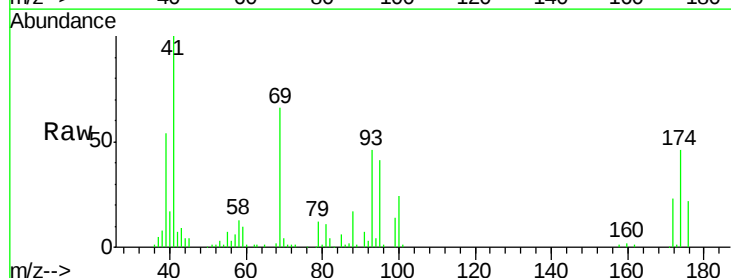
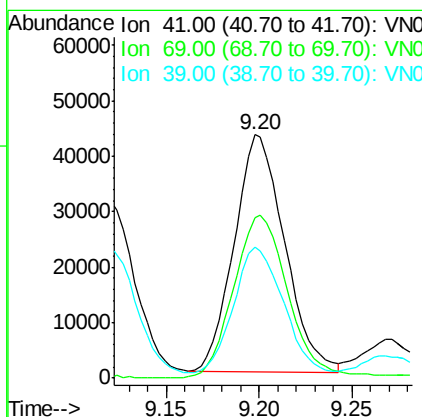
RT: 9.20 min Scan# 2309

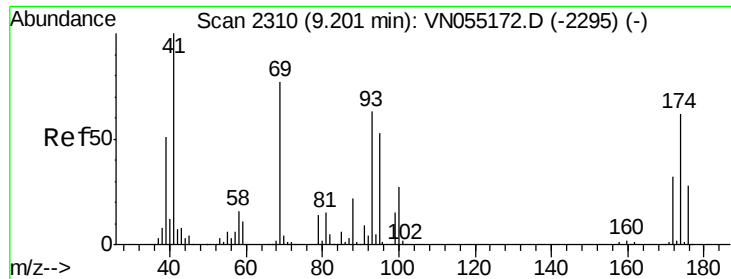
Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	41	Resp:	80638
Ion	Ratio	Lower	Upper
41	100		
69	75.7	63.6	95.4
39	55.4	43.8	65.8





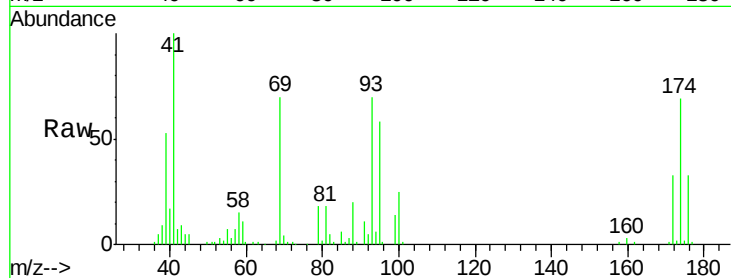
#49
 1,4-Dioxane
 Concen: 406.583 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

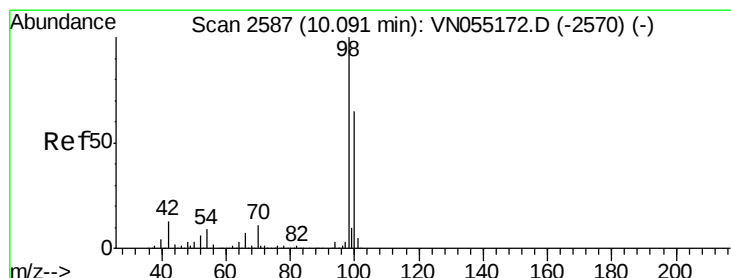
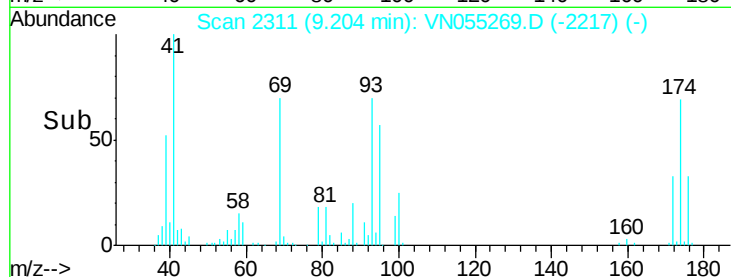
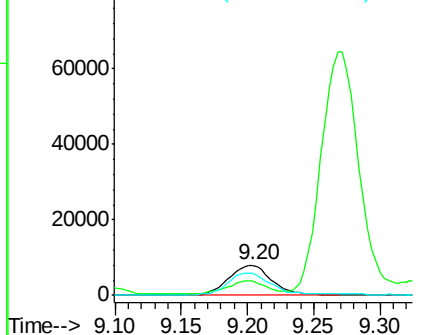
Tot Ion	88	Resp	17992
Ion Ratio	Lower	Upper	
88	100		
43	38.3	32.0	48.0
58	76.0	60.4	90.6

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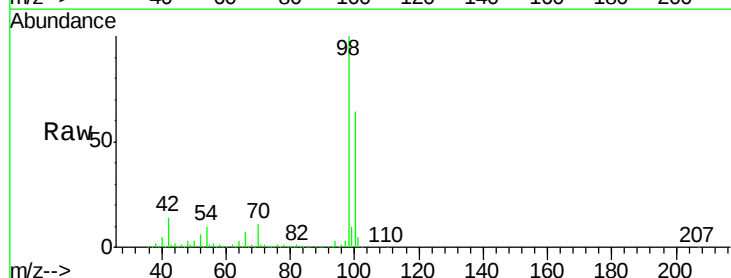


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

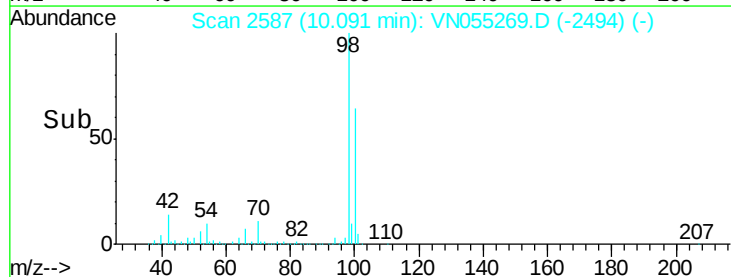
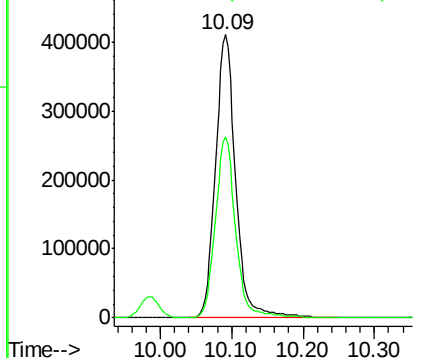


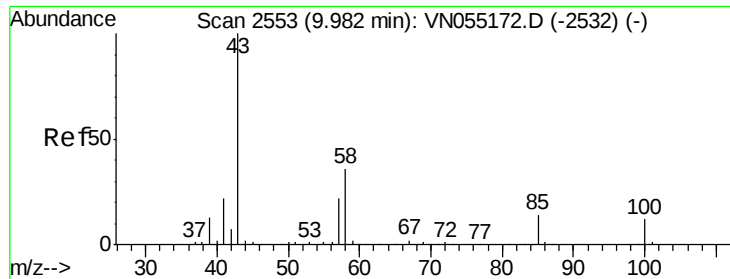
#50
 Toluene-d8
 Concen: 49.006 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion	98	Resp	803352
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.8	77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.194 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion: 43 Resp: 482721

Ion Ratio Lower Upper

43 100

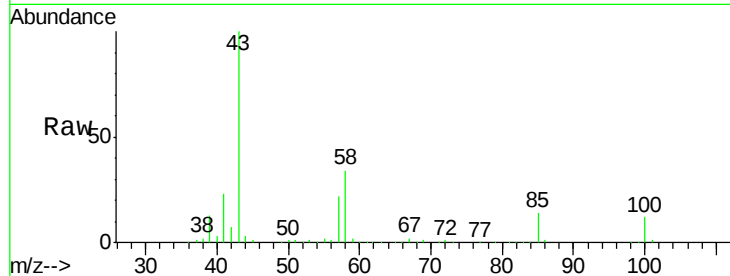
58 34.5 28.3 42.5

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

9.99

250000

200000

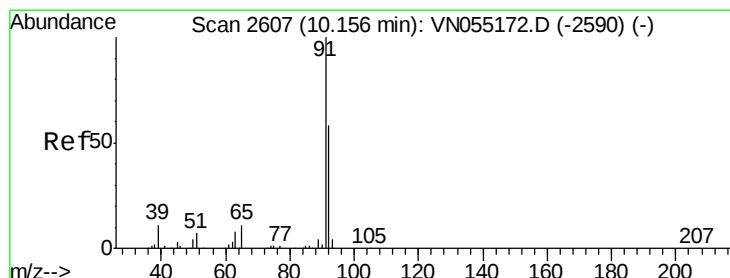
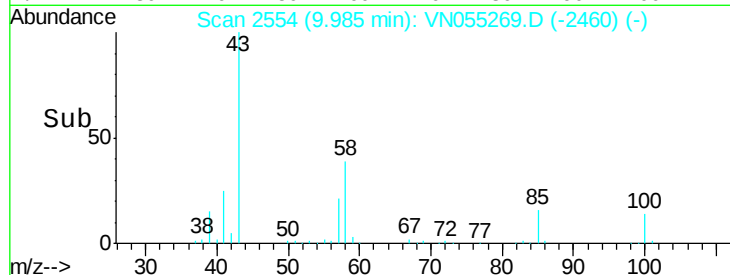
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.724 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055269.D

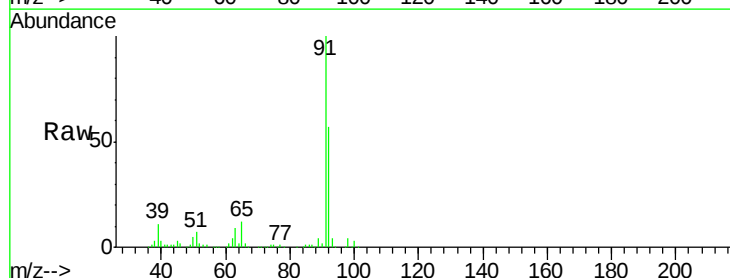
Acq: 26 Apr 2019 12:18

Tgt Ion: 92 Resp: 226698

Ion Ratio Lower Upper

92 100

91 173.6 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

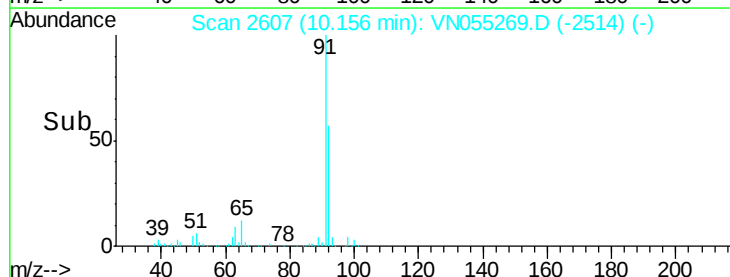
150000

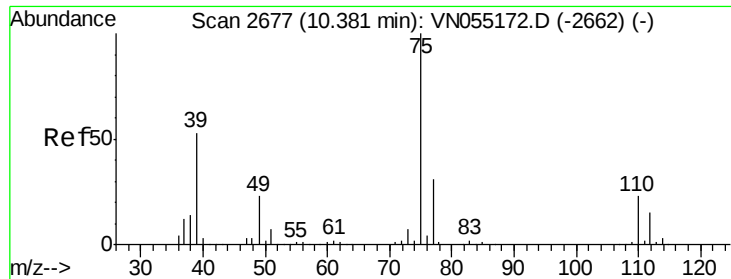
100000

50000

0

Time-->





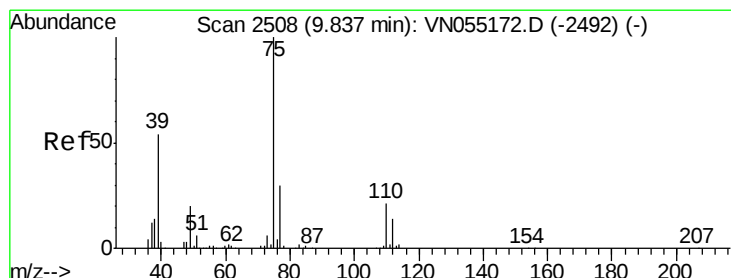
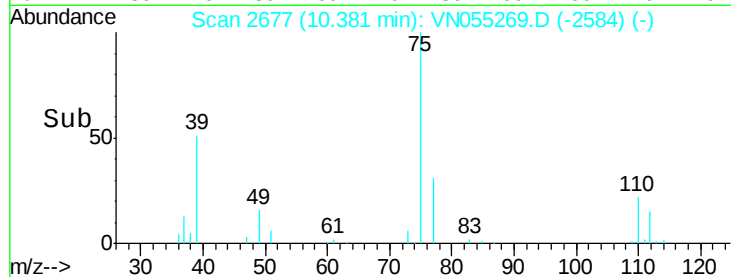
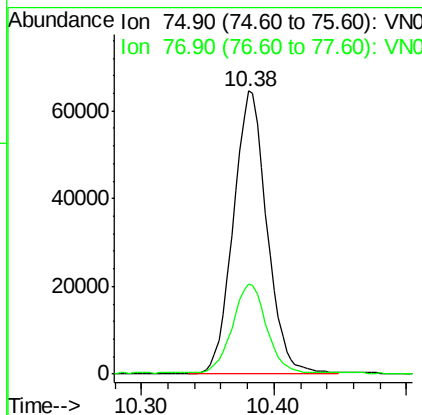
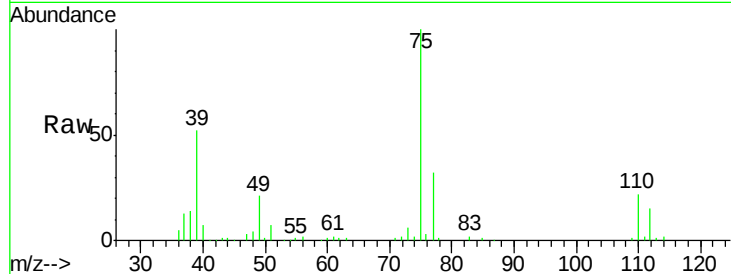
#53
 t-1,3-Dichloropropene
 Concen: 20.575 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Tot Ion: 75 Resp: 113975
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7

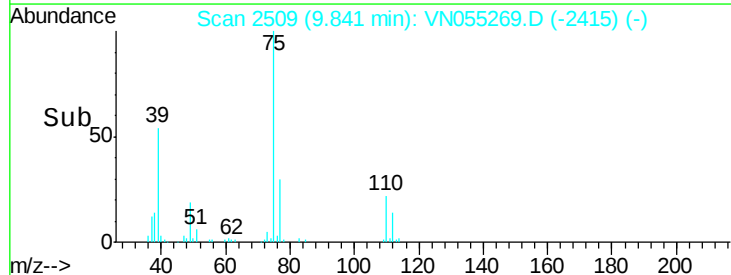
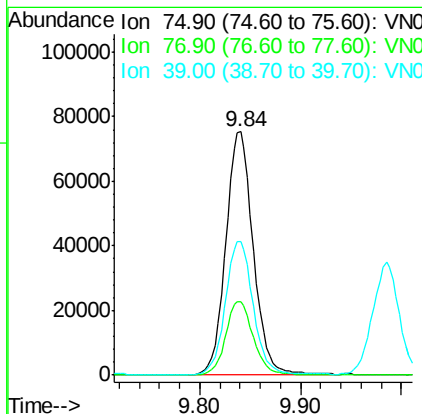
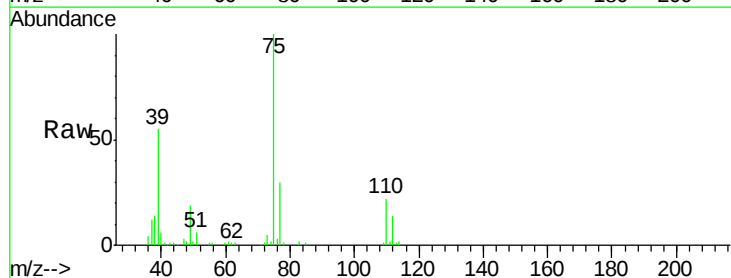
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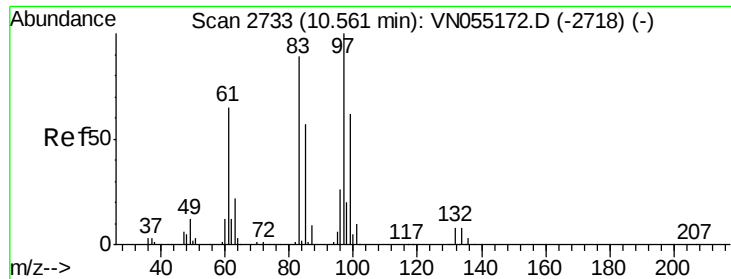
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.894 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion: 75 Resp: 143630
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.3 36.5
 39 54.6 43.0 64.4





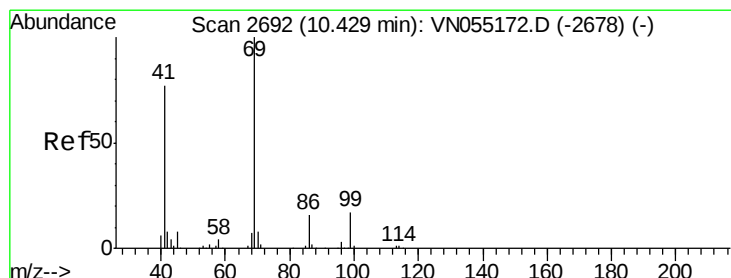
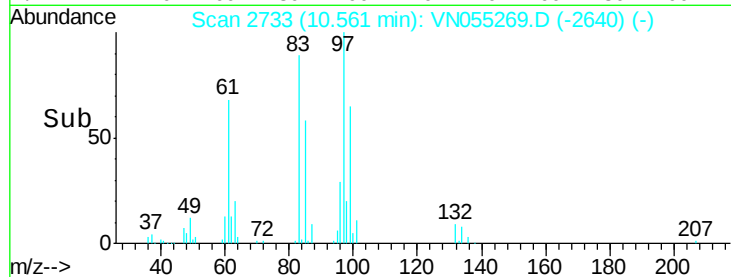
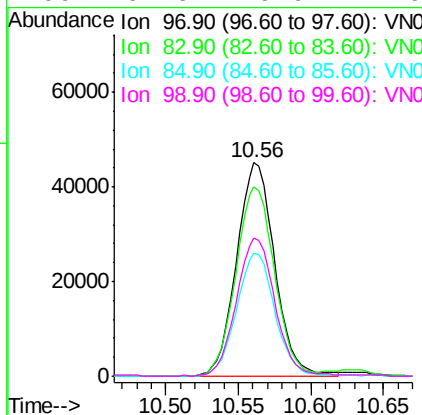
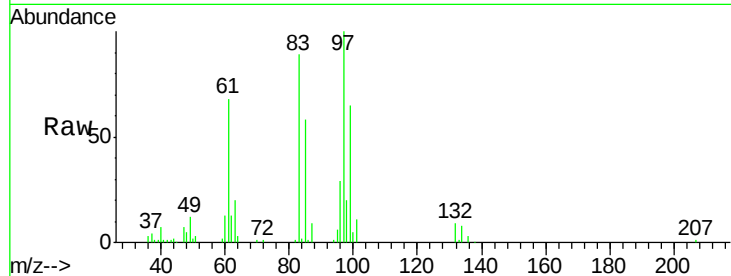
#55
 1,1,2-Trichloroethane
 Concen: 20.420 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Tot Ion:	97	Resp:	82350
Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.5	107.3
85	57.6	45.8	68.6
99	64.6	49.9	74.9

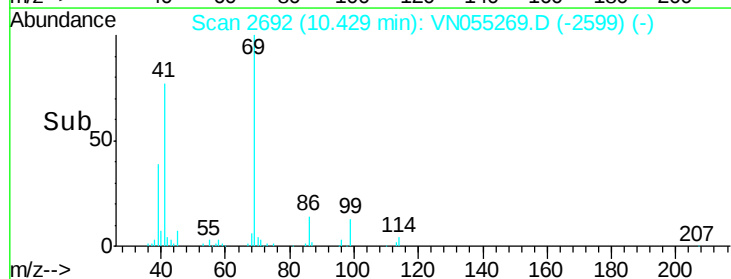
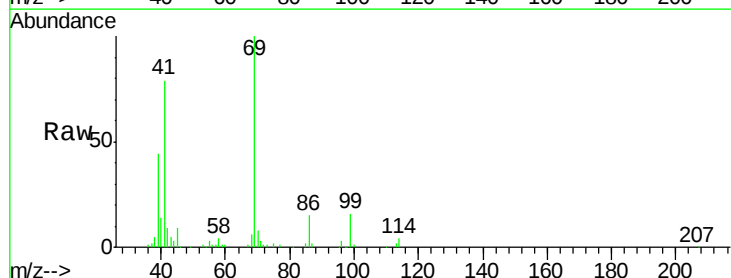
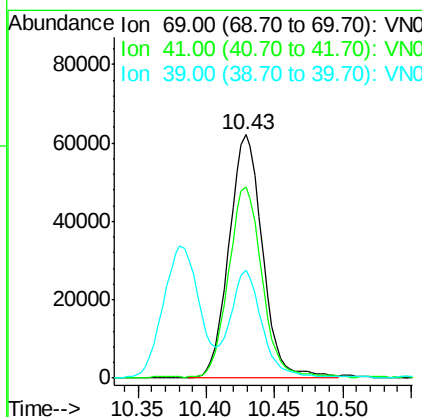
Manual Integrations
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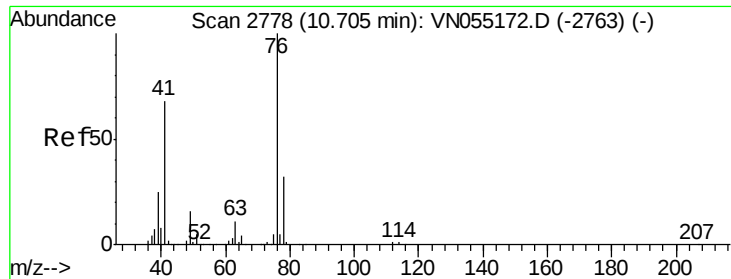
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#56
 Ethyl methacrylate
 Concen: 21.131 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion:	69	Resp:	106162
Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.6	90.8
39	41.4	31.7	47.5





#57

1,3-Dichloropropane

Concen: 20.753 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion: 76 Resp: 145616

Ion Ratio Lower Upper

76 100

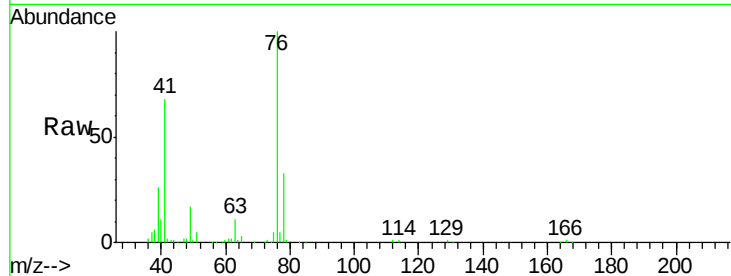
78 32.4 25.3 37.9

Manual Integrations

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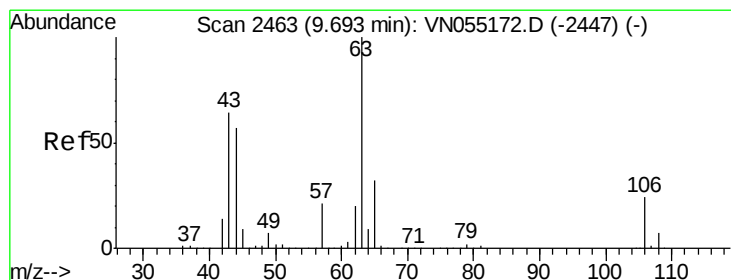
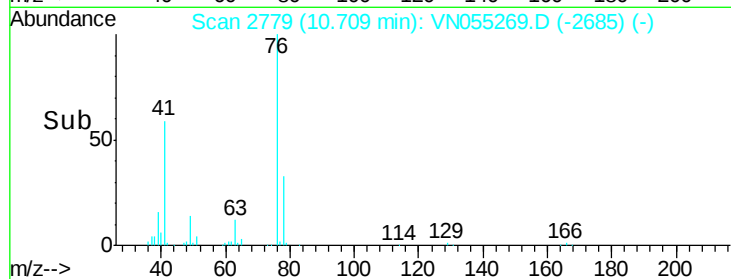
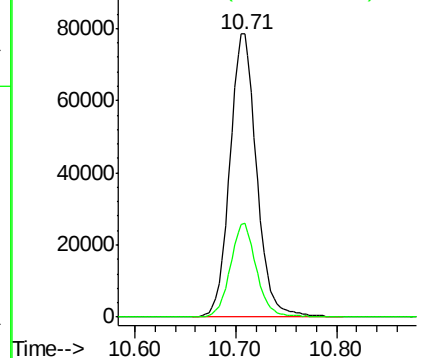
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 75.638 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055269.D

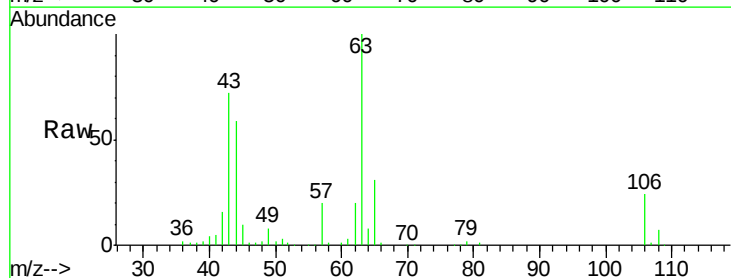
Acq: 26 Apr 2019 12:18

Tgt Ion: 63 Resp: 130471

Ion Ratio Lower Upper

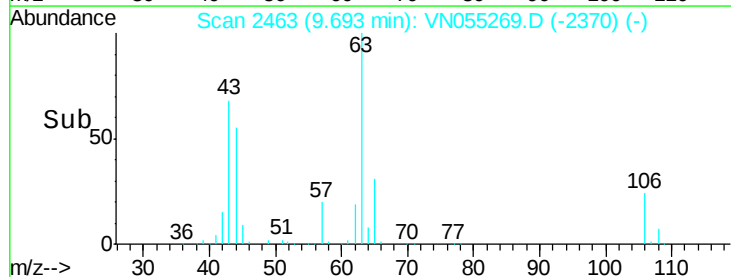
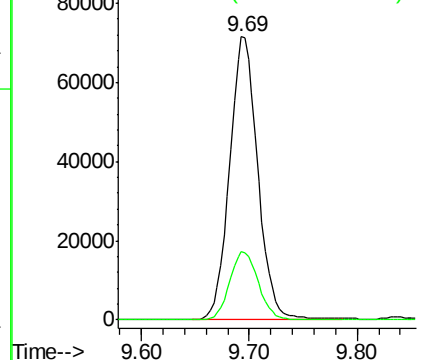
63 100

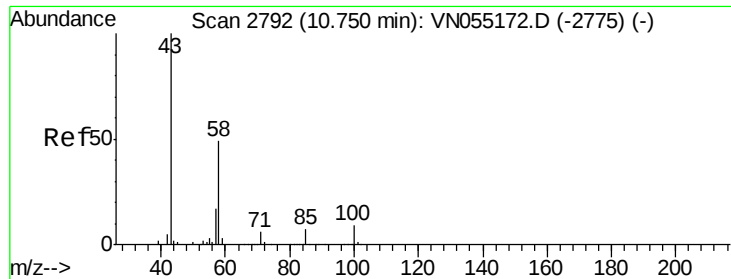
106 24.4 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





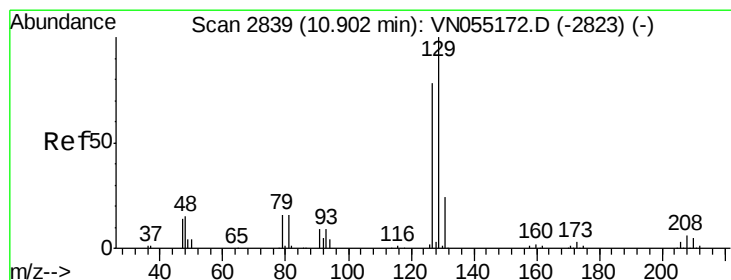
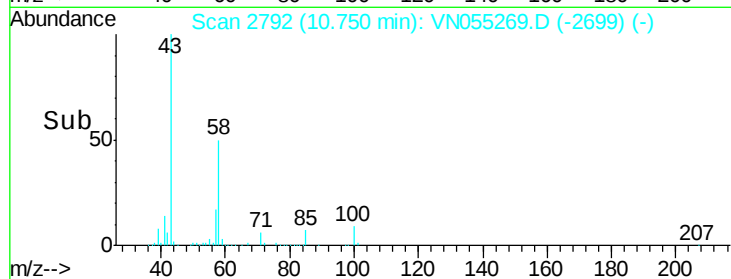
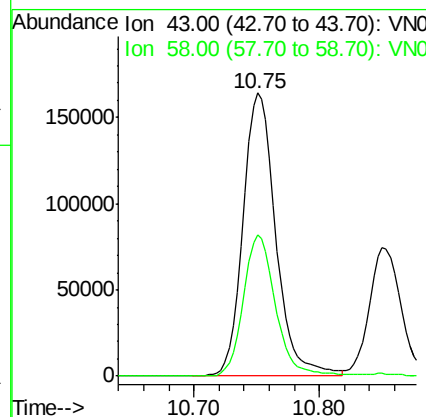
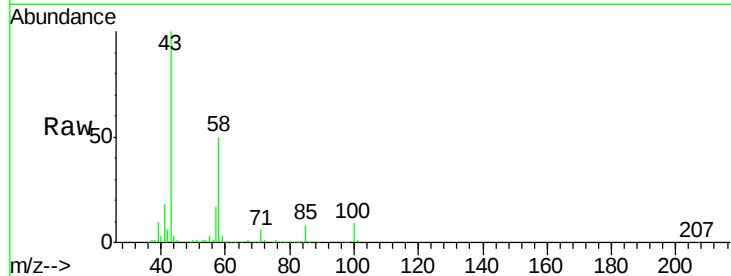
#59
2-Hexanone
Concen: 103.521 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion	43.00	Resp	297235
Ion Ratio	100	Lower	Upper
43	100		
58	49.2	24.5	73.5

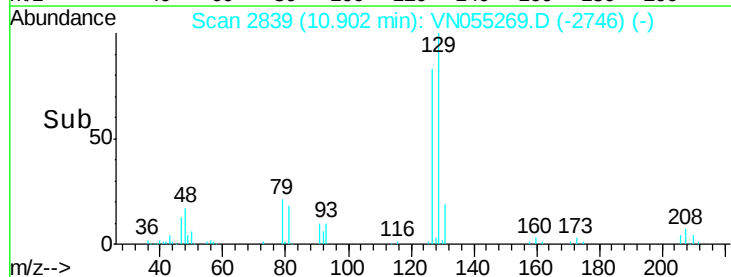
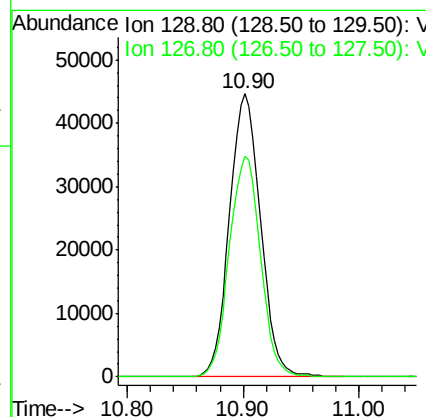
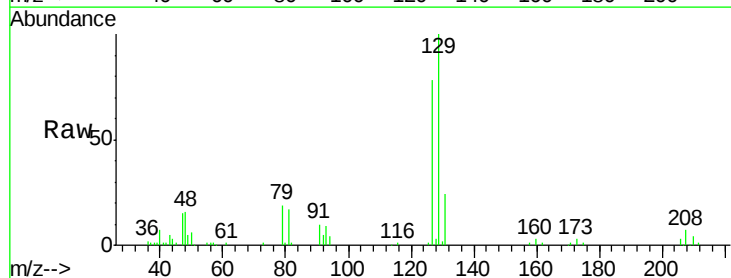
Manual Integrations
APPROVED

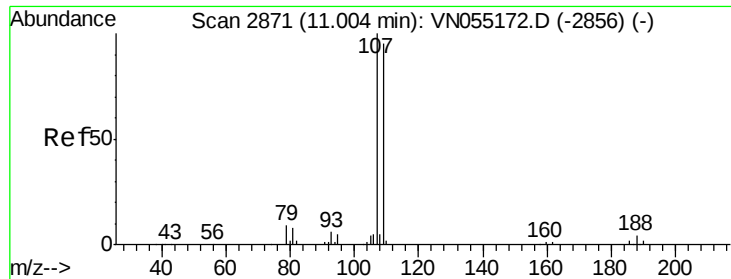
MMDadoda
4/29/2019 10:56:58 AM



#60
Dibromochloromethane
Concen: 19.947 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	129	Resp	82858
Ion Ratio	100	Lower	Upper
129	100		
127	78.1	39.0	117.0





#61

1,2-Dibromoethane

Concen: 20.710 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion:107 Resp: 78526

Ion Ratio Lower Upper

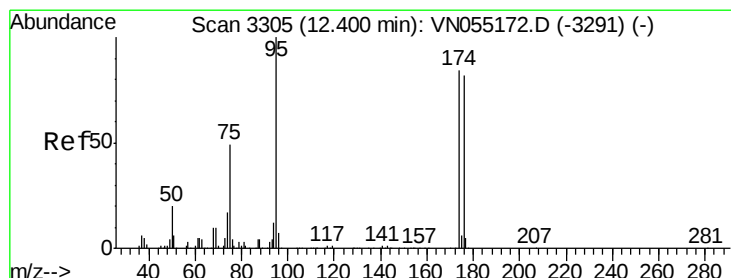
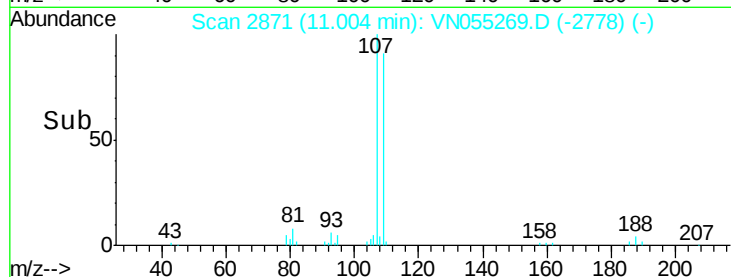
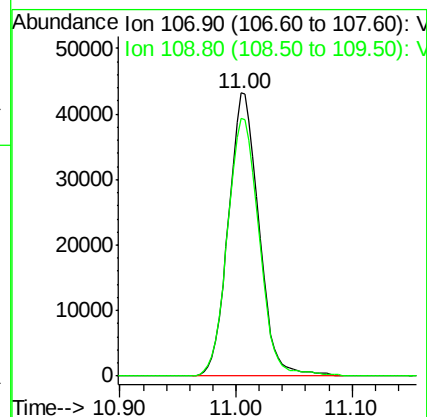
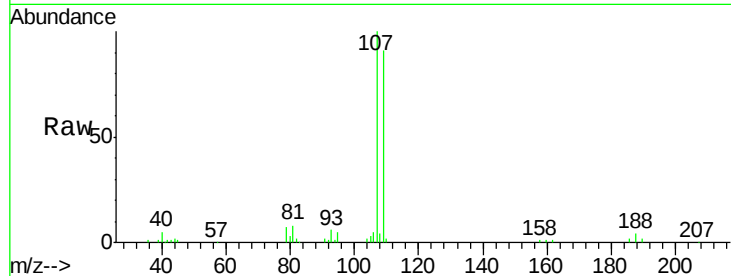
107 100

109 94.5 75.8 113.6

Manual Integrations
APPROVED

MMDadoda

4/29/2019 10:56:58 AM



#62

4-Bromofluorobenzene

Concen: 47.694 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

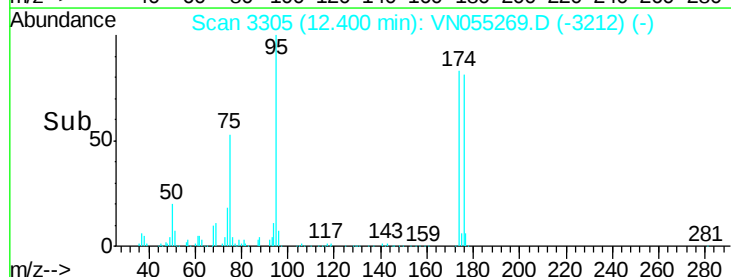
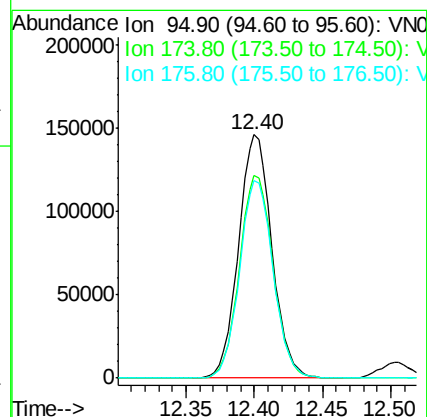
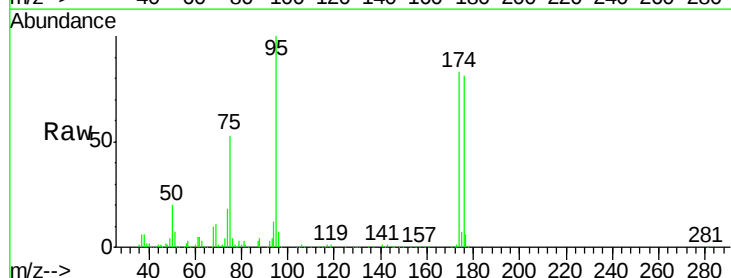
Tgt Ion: 95 Resp: 247590

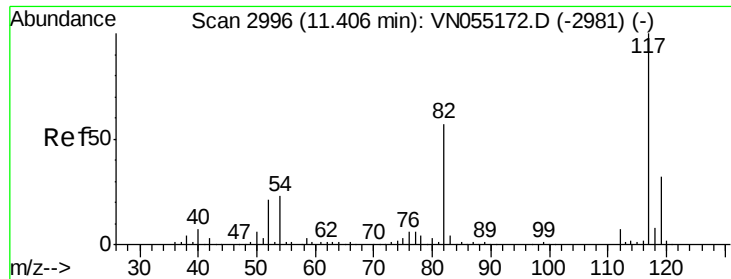
Ion Ratio Lower Upper

95 100

174 84.1 0.0 168.4

176 81.7 0.0 164.0





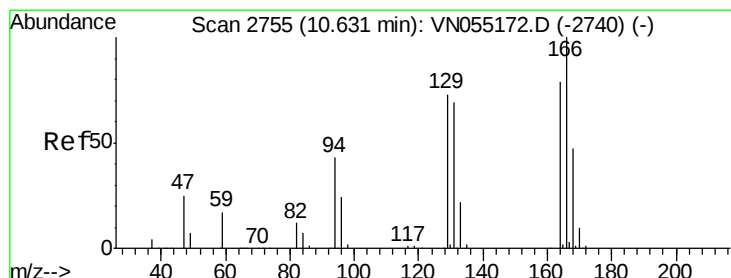
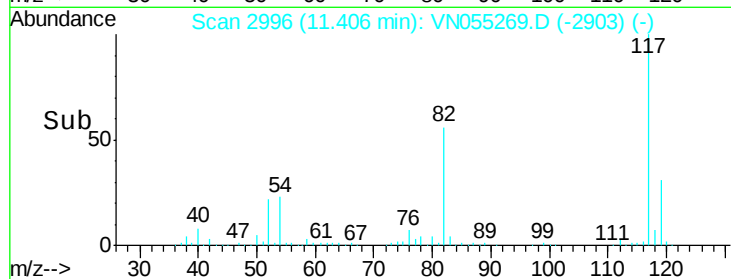
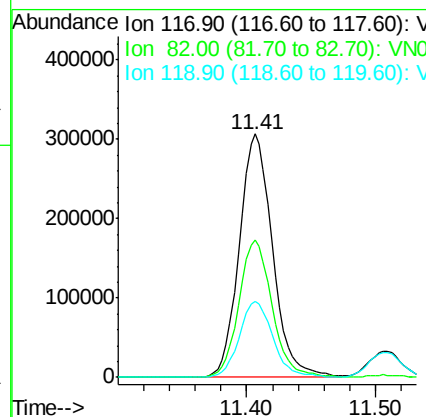
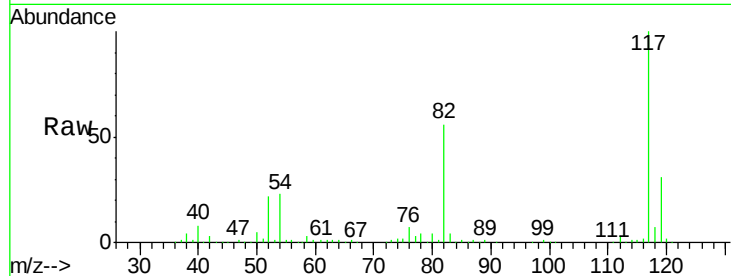
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.7	68.5
119	31.2	25.4	38.2

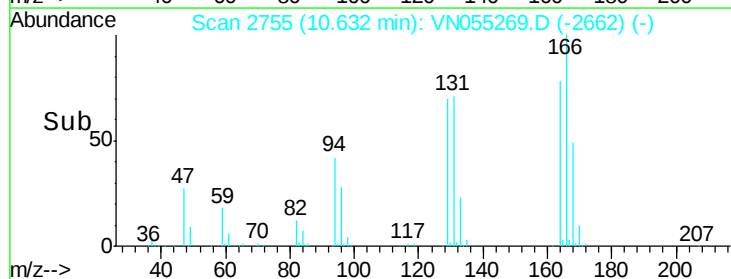
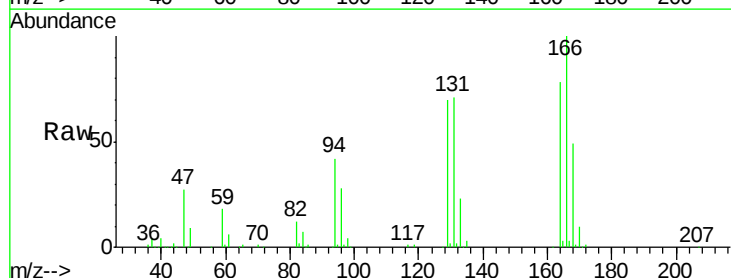
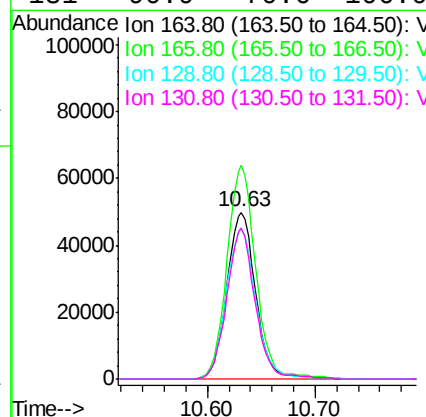
Manual Integrations
APPROVED

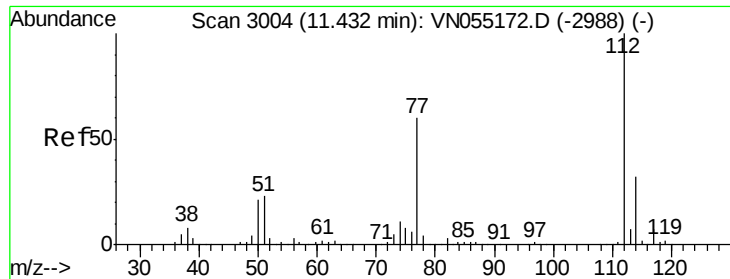
MMDadoda
4/29/2019 10:56:58 AM



#64
Tetrachloroethene
Concen: 20.635 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.9	152.9
129	89.7	74.1	111.1
131	90.9	70.6	106.0





#65

Chlorobenzene

Concen: 19.597 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0427MBS01

Tot Ion:112 Resp: 220406

Ion Ratio Lower Upper

112 100

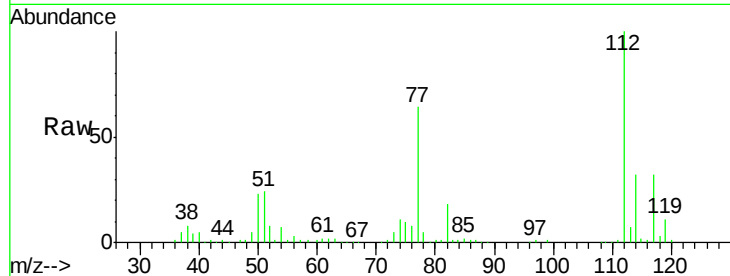
114 32.3 25.4 38.0

Manual Integrations

APPROVED

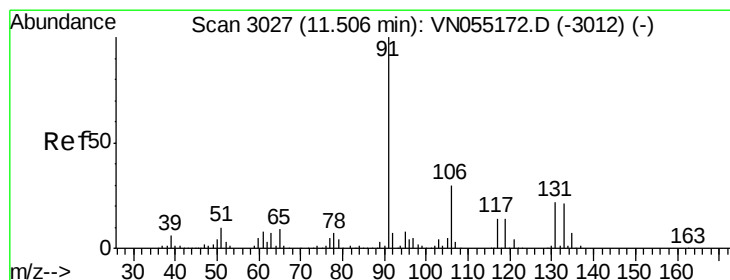
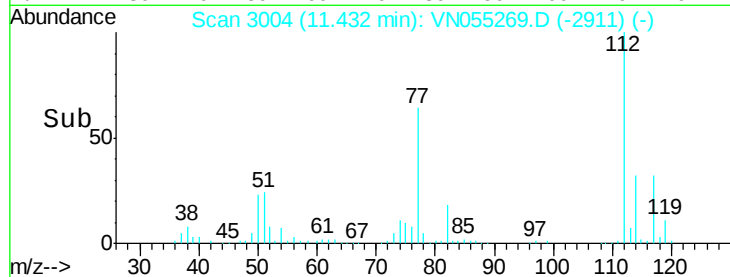
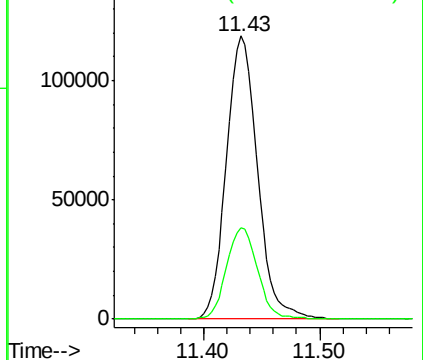
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.433 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

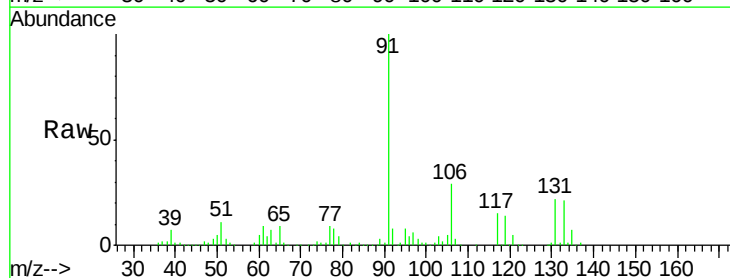
Tgt Ion:131 Resp: 85173

Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

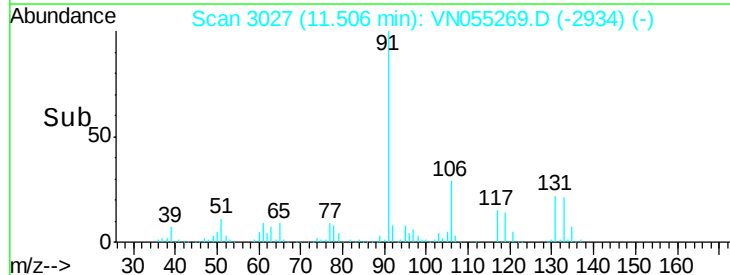
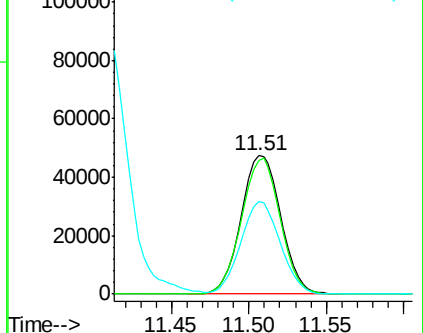
119 66.1 33.2 99.6

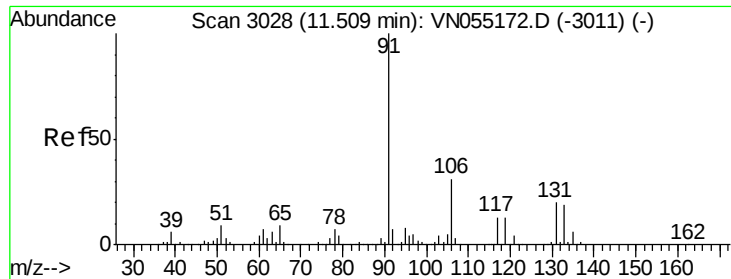


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





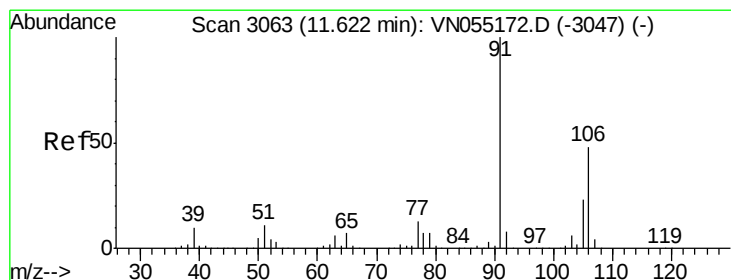
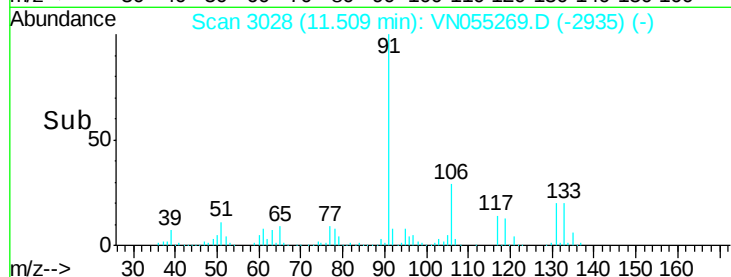
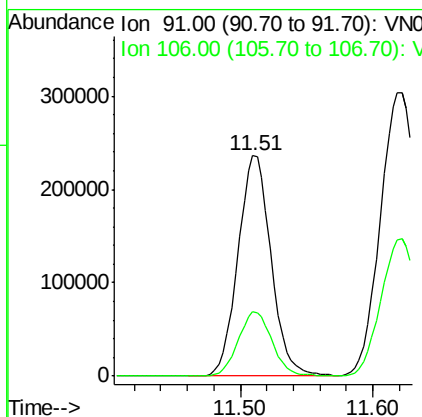
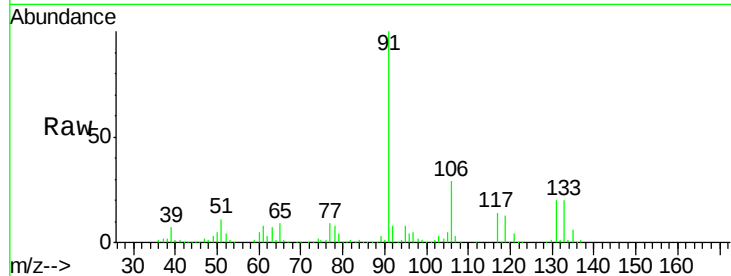
#67
Ethyl Benzene
Concen: 20.476 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion: 91 Resp: 410210
Ion Ratio Lower Upper
91 100
106 29.0 24.5 36.7

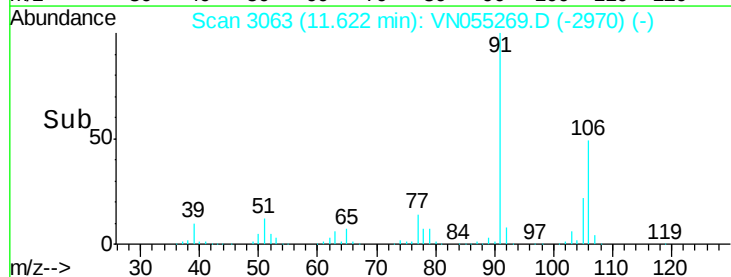
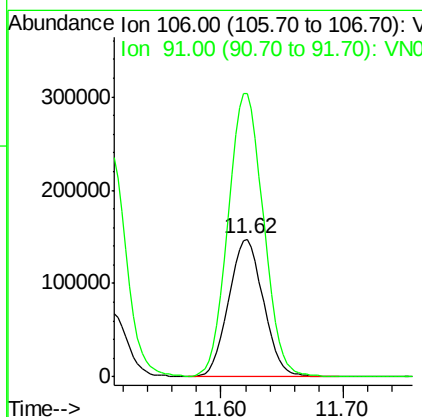
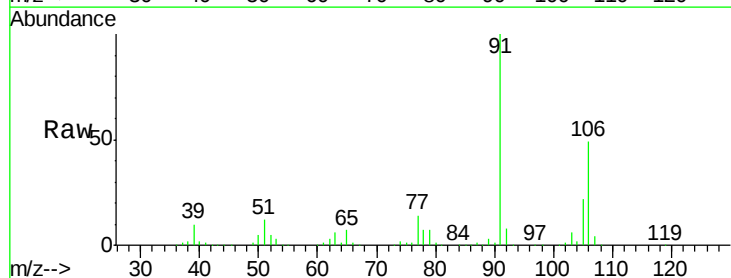
Manual Integrations
APPROVED

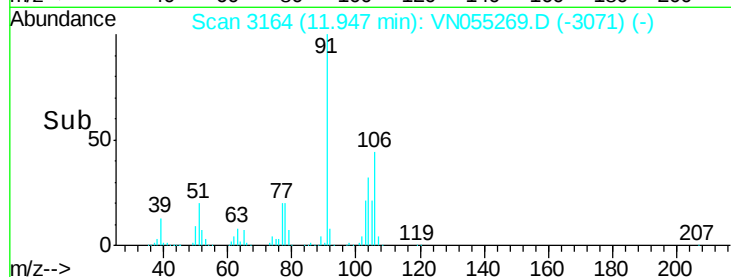
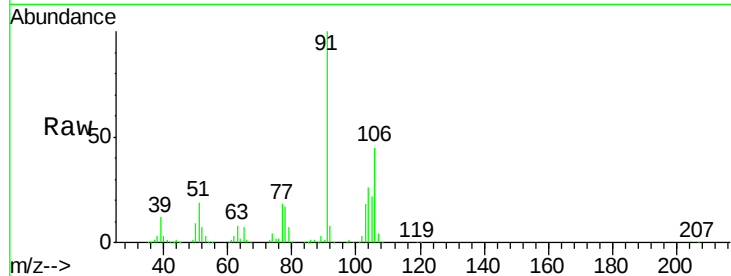
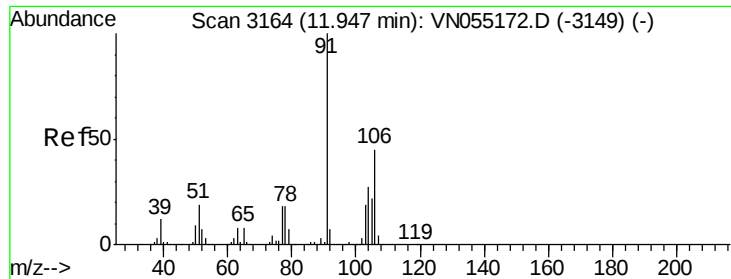
MMDadoda
4/29/2019 10:56:58 AM



#68
m/p-Xylenes
Concen: 40.818 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion: 106 Resp: 293289
Ion Ratio Lower Upper
106 100
91 209.2 167.1 250.7





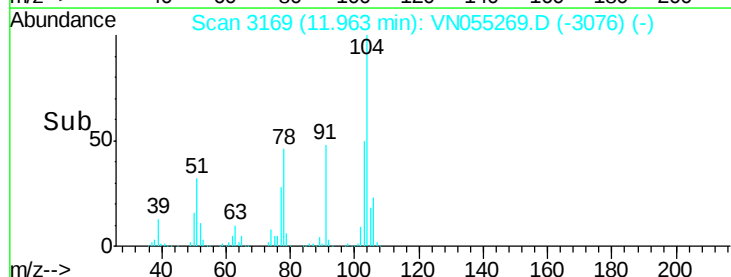
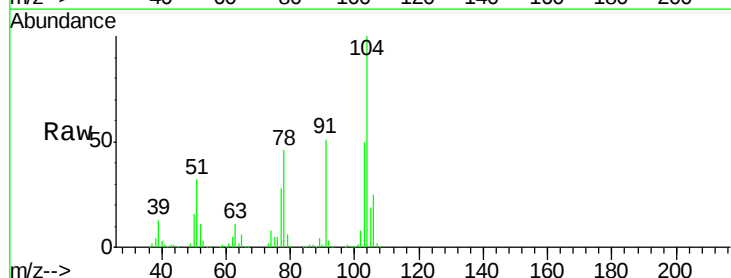
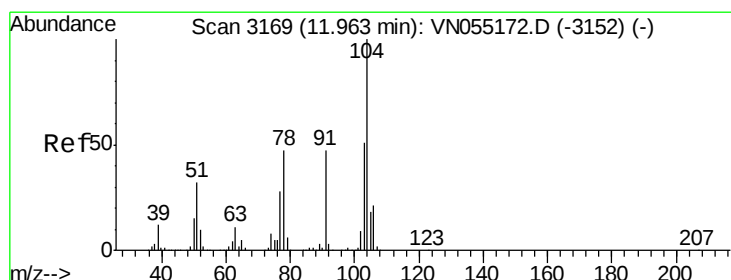
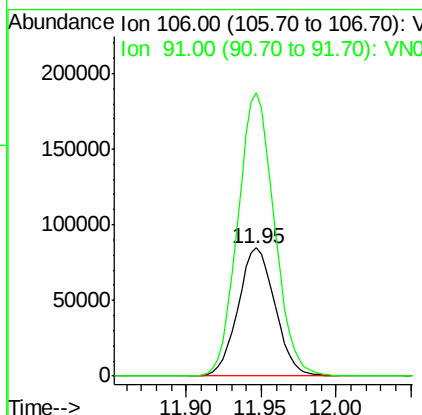
#69
o-Xylene
Concen: 20.462 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
VN0427MBS01

Tot Ion:106 Resp: 145909
Ion Ratio Lower Upper
106 100
91 218.5 110.6 331.8

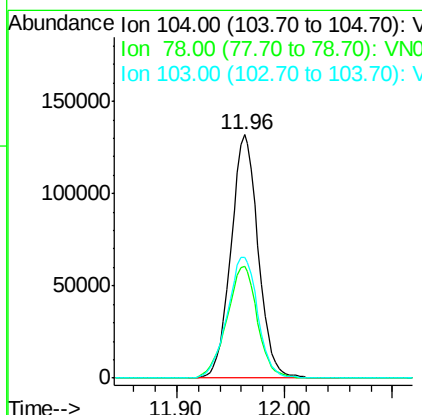
Manual Integrations
APPROVED

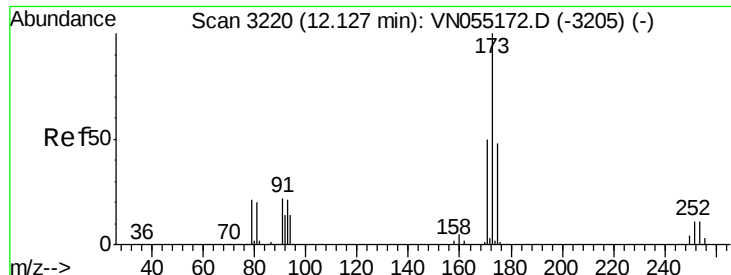
MMDadoda
4/29/2019 10:56:58 AM



#70
Styrene
Concen: 21.029 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion:104 Resp: 232435
Ion Ratio Lower Upper
104 100
78 51.5 41.3 61.9
103 55.7 44.2 66.4





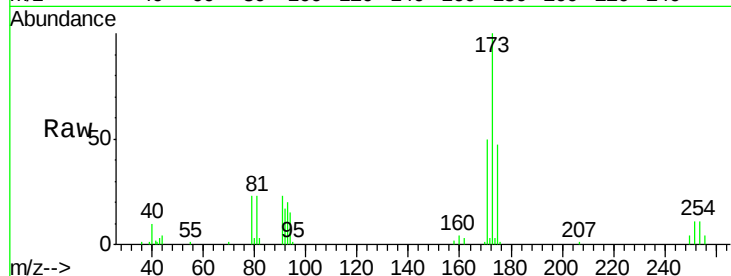
#71
Bromoform
Concen: 19.995 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

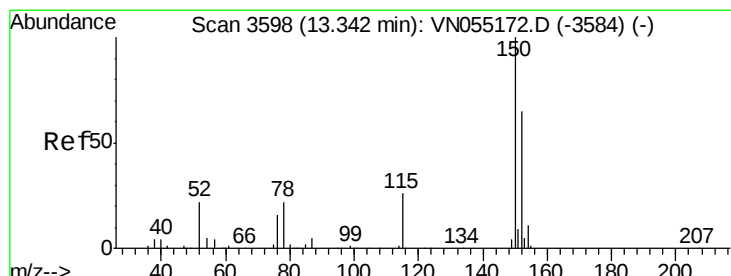
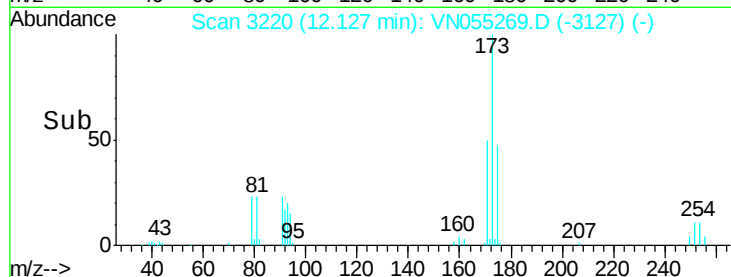
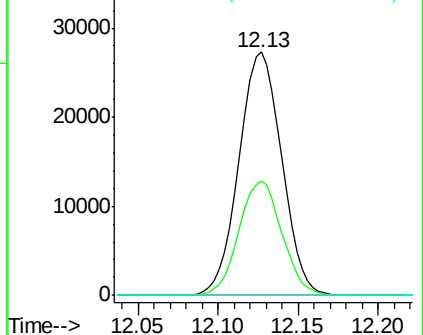
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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4/29/2019 10:56:58 AM

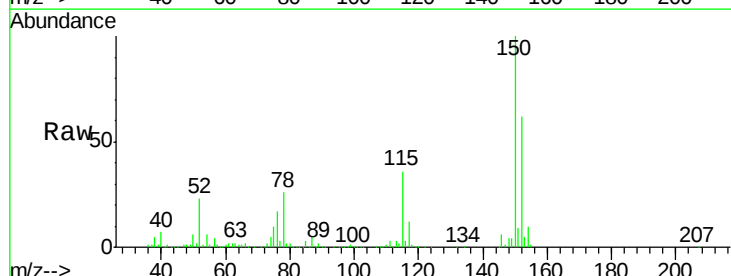


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

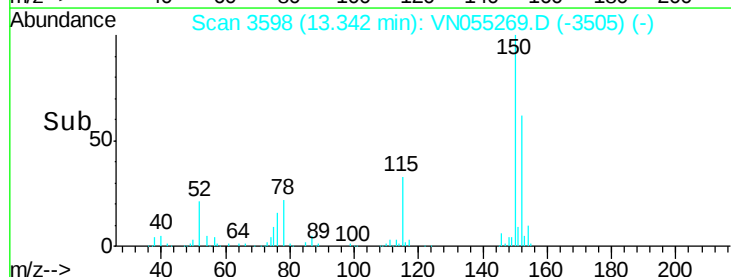
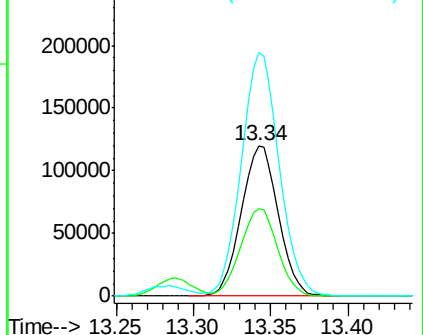


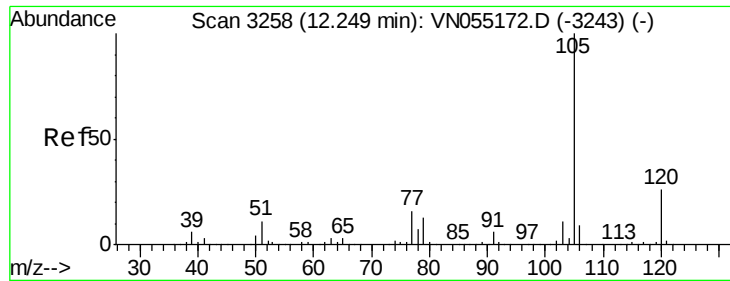
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.7
150	165.7	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: 22.848 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

VN0427MBS01

Tot Ion: 105 Resp: 386204

Ion Ratio Lower Upper

105 100

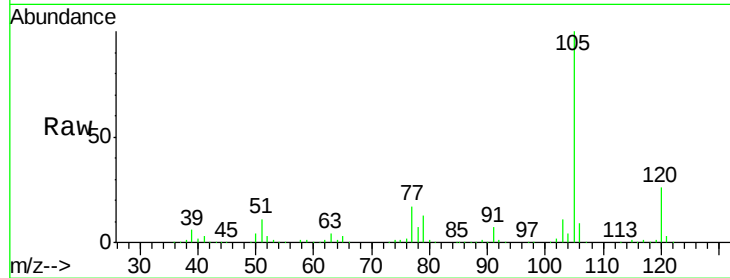
120 26.1 13.1 39.1

Manual Integrations

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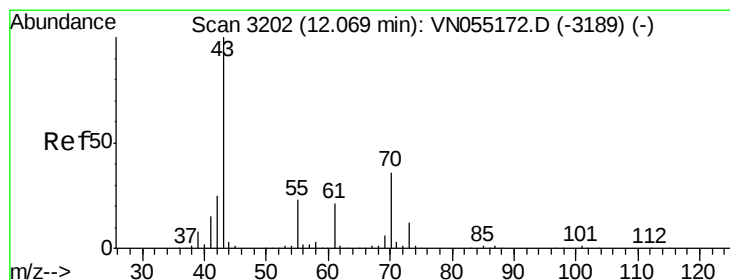
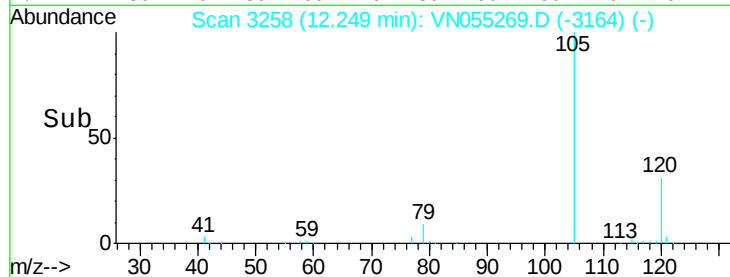
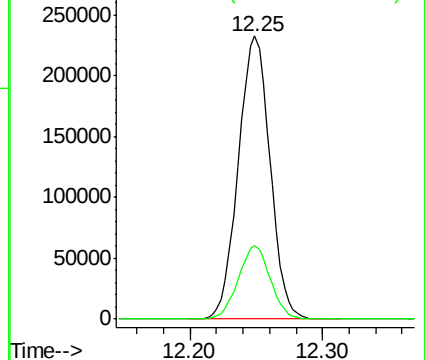
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.588 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion: 43 Resp: 111130

Ion Ratio Lower Upper

43 100

70 35.6 29.0 43.6

55 23.6 18.5 27.7

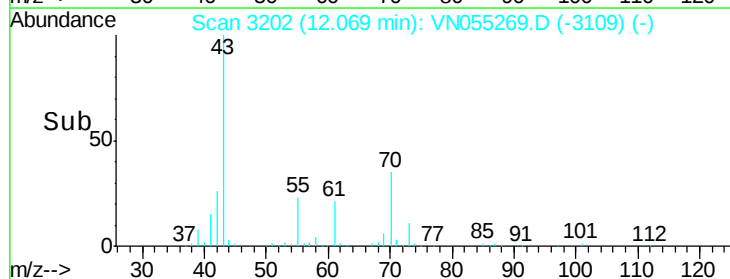
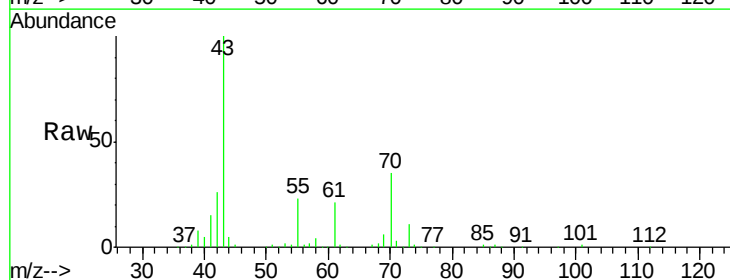
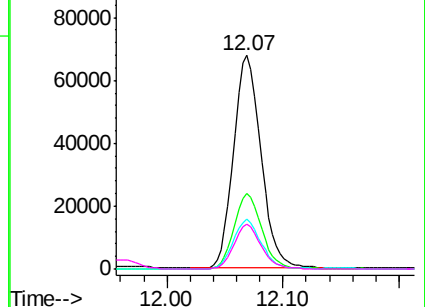
61 20.7 17.0 25.4

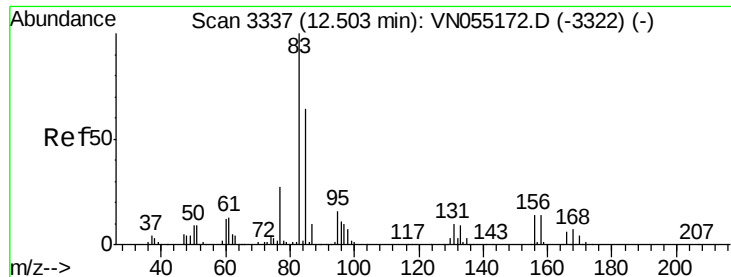
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.429 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

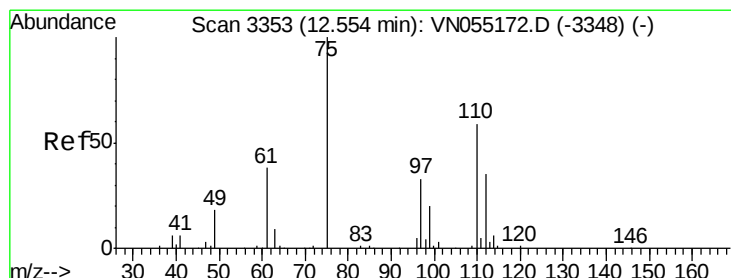
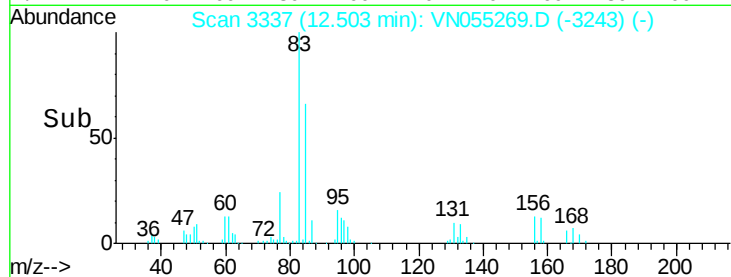
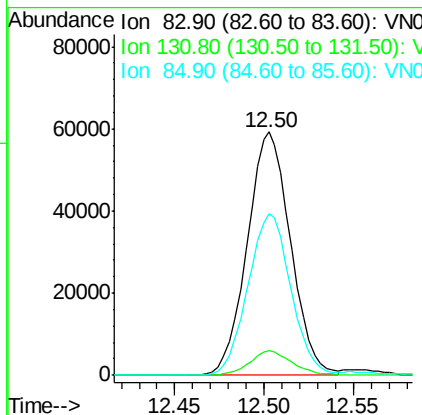
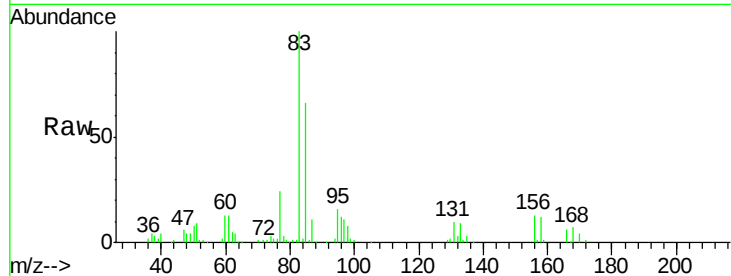
ClientSampleId :

VN0427MBS01

Tot Ion:	83	Resp:	100405
Ion Ratio		Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.043 ug/l m

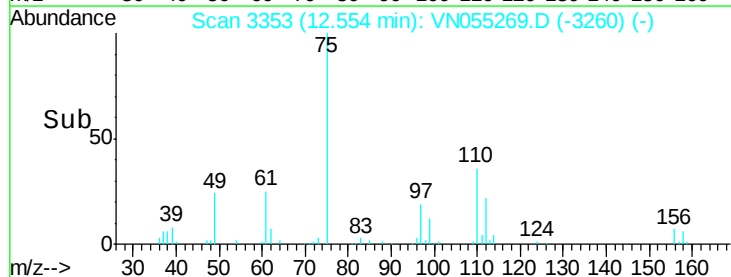
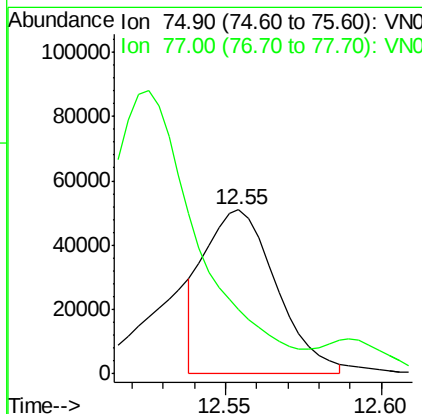
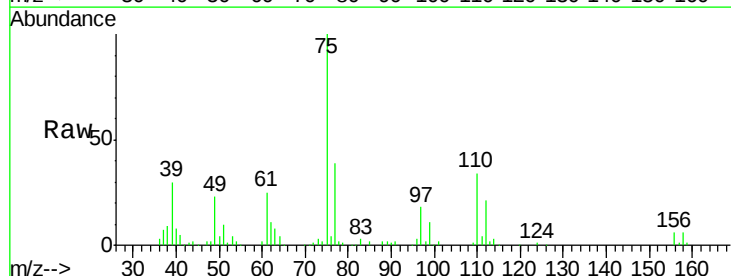
RT: 12.55 min Scan# 3353

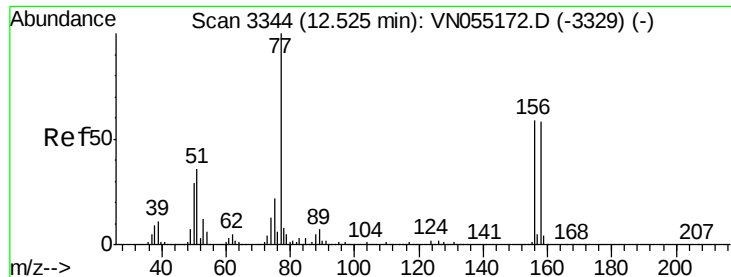
Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	75	Resp:	81189
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.378 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

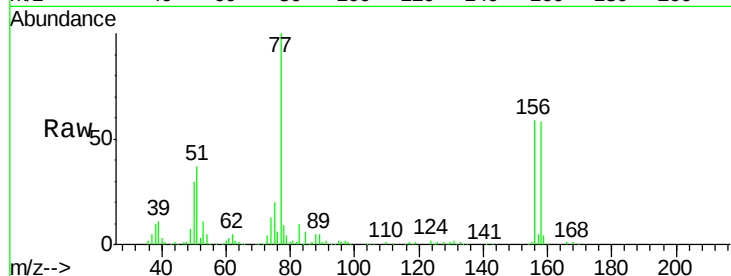
ClientSampleId :

VN0427MBS01

Tot Ion:	156	Resp:	89826
Ion Ratio	Lower	Upper	
156	100		
77	204.1	98.0	293.9
158	98.0	48.9	146.8

Manual Integrations
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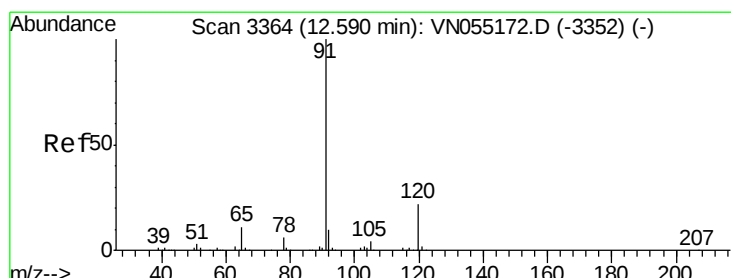
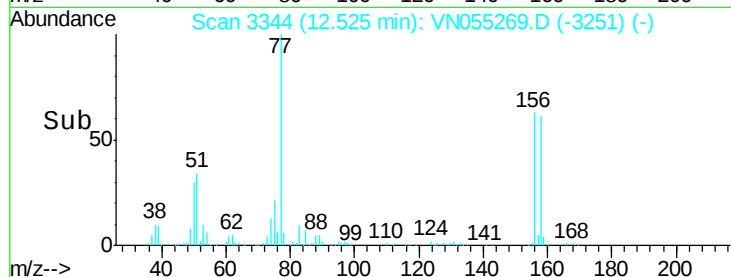
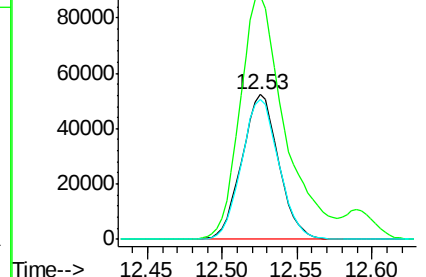
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.696 ug/l

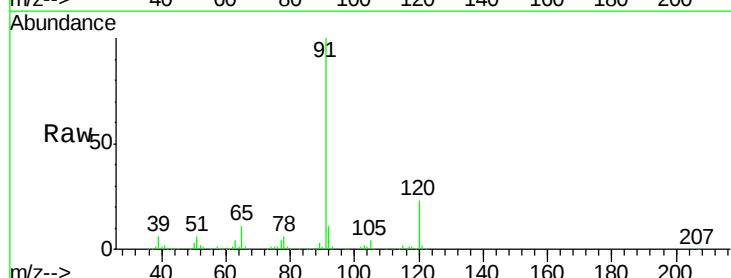
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055269.D

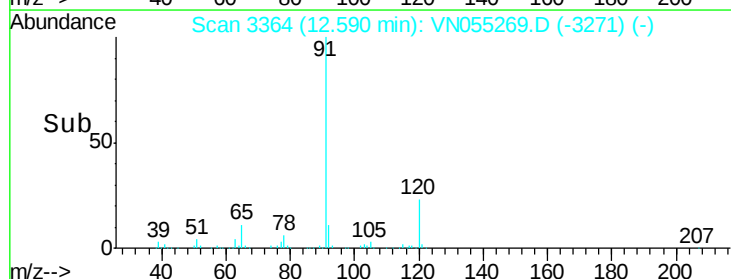
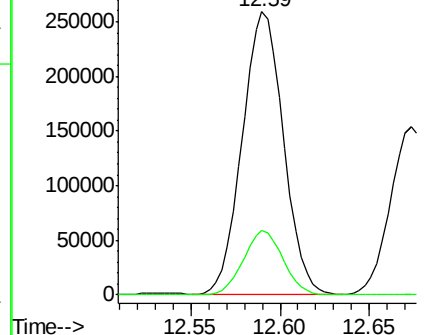
Acq: 26 Apr 2019 12:18

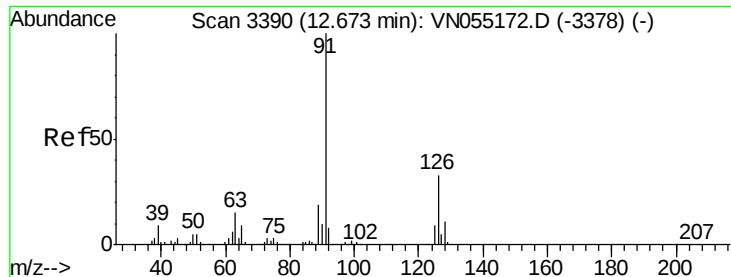
Tgt Ion:	91	Resp:	414416
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.334 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion: 91 Resp: 257108

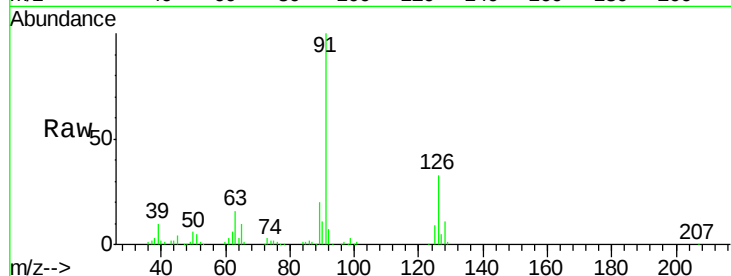
Ion Ratio Lower Upper

91 100

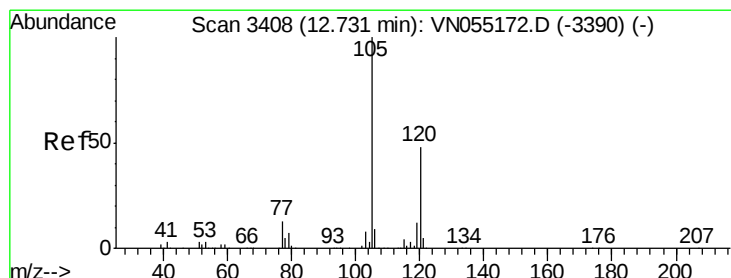
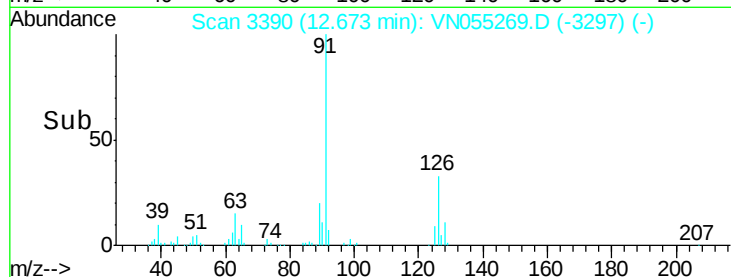
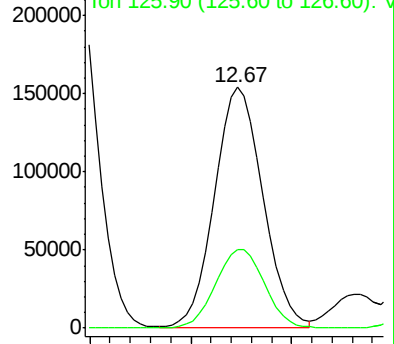
126 33.4 16.8 50.3

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



#80

1,3,5-Trimethylbenzene

Concen: 20.682 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055269.D

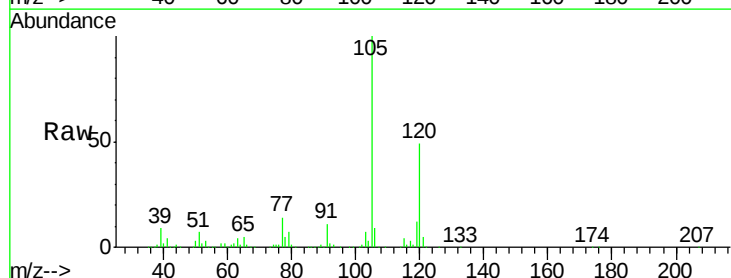
Acq: 26 Apr 2019 12:18

Tgt Ion: 105 Resp: 309134

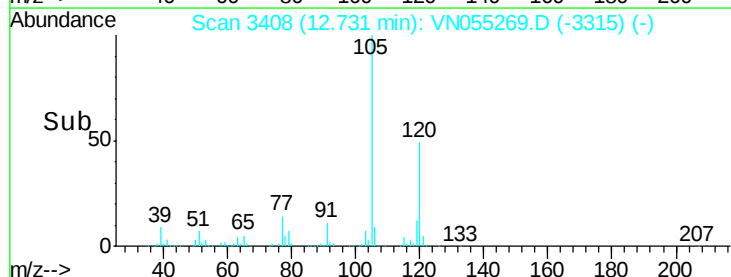
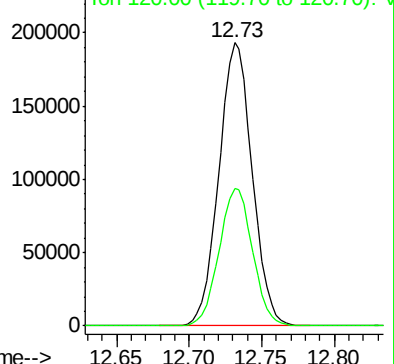
Ion Ratio Lower Upper

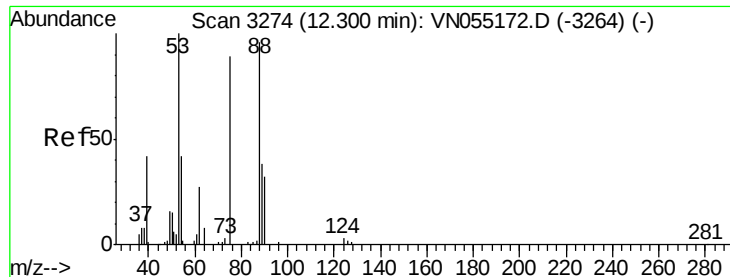
105 100

120 48.9 23.9 71.7



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.420 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

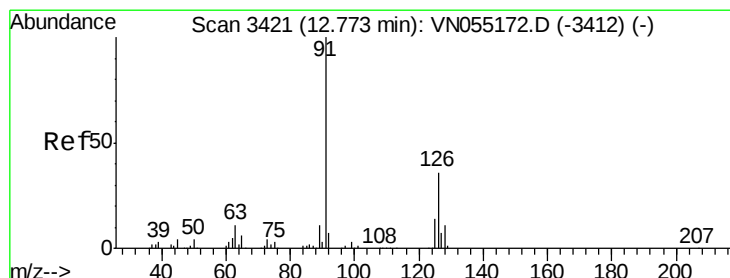
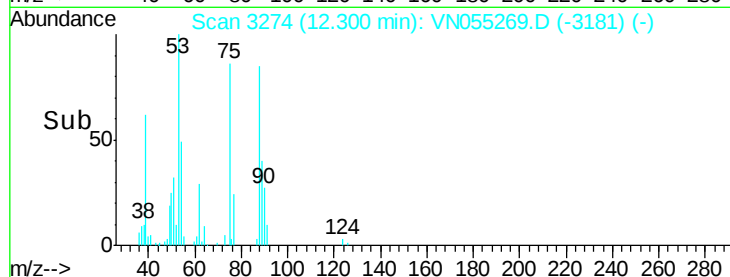
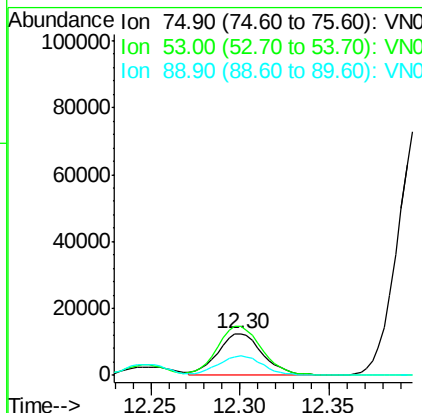
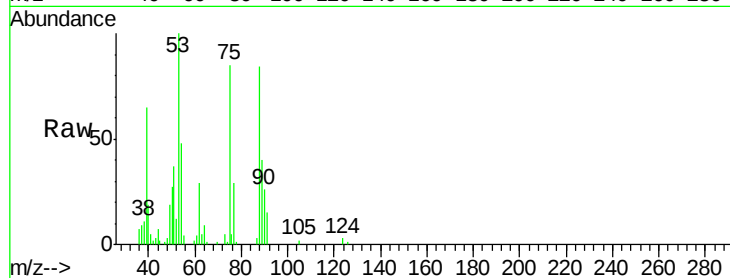
ClientSampleId :

VN0427MBS01

Tot Ion:	75	Resp:	21820
Ion	Ratio	Lower	Upper
75	100		
53	118.5	90.1	135.1
89	46.2	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.527 ug/l

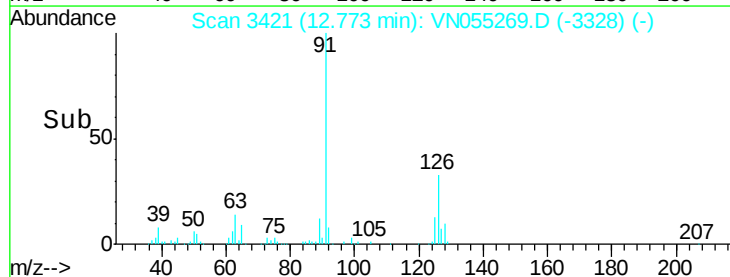
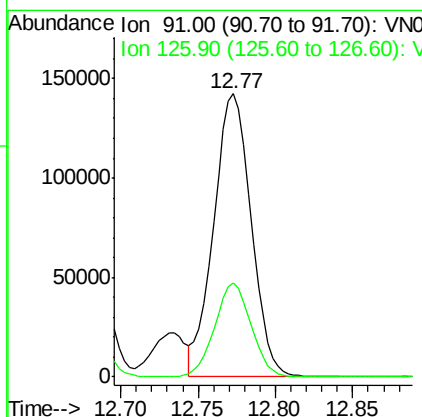
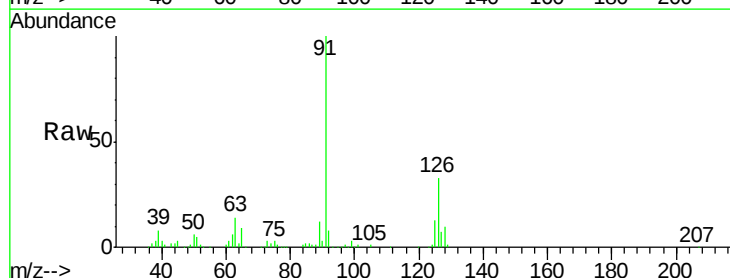
RT: 12.77 min Scan# 3421

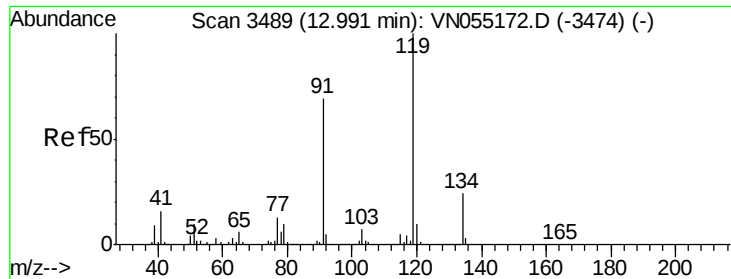
Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	91	Resp:	238793
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.5	49.5





#83

tert-Butylbenzene

Concen: 22.368 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

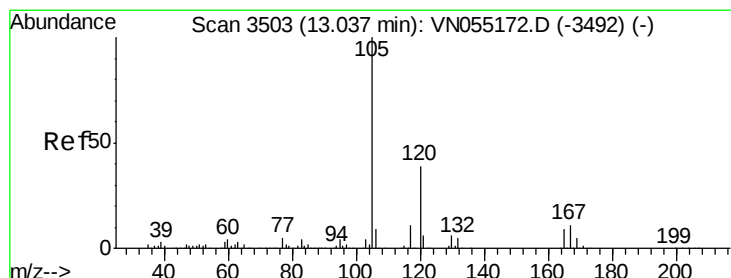
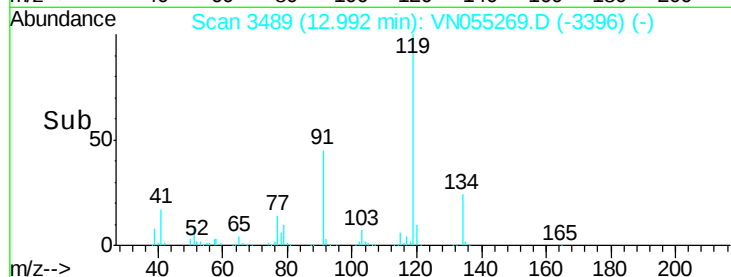
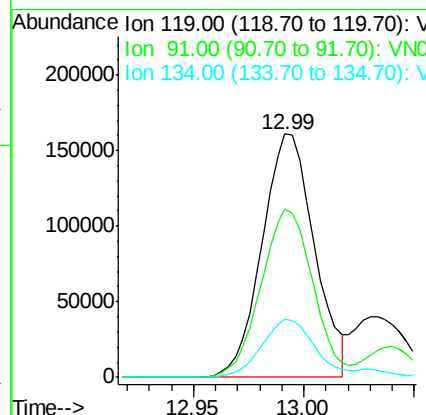
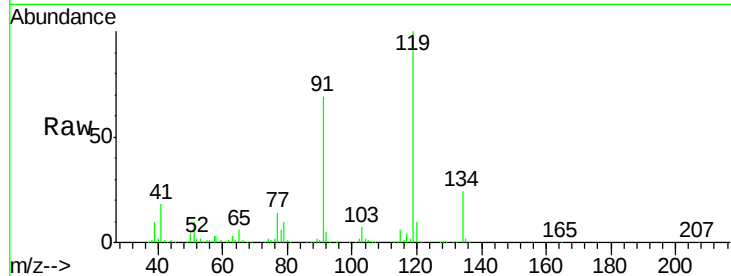
ClientSampleId :

VN0427MBS01

Tot Ion:	119	Resp:	264876
Ion Ratio	Lower	Upper	
119	100		
91	68.5	33.8	101.3
134	24.3	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.670 ug/l

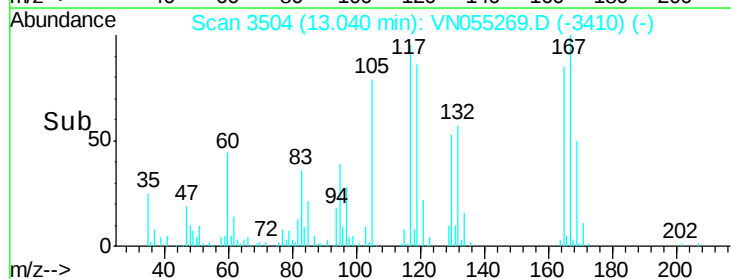
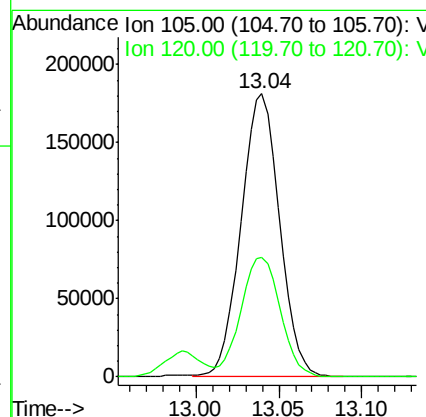
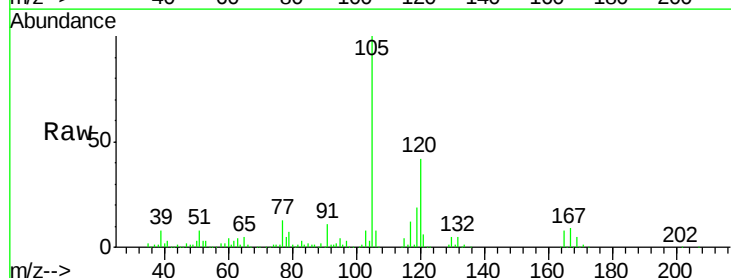
RT: 13.04 min Scan# 3504

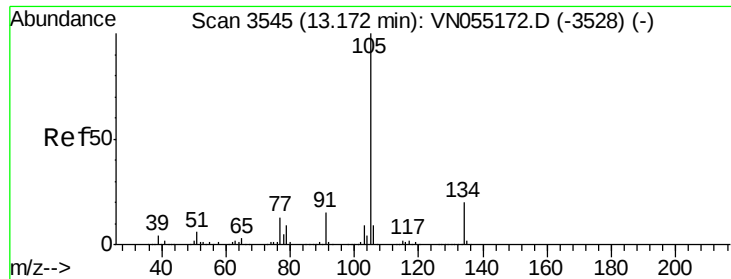
Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	105	Resp:	291551
Ion Ratio	Lower	Upper	
105	100		
120	43.8	22.7	68.1





#85

sec-Butylbenzene

Concen: 20.155 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBS01

Tot Ion:105 Resp: 340823

Ion Ratio Lower Upper

105 100

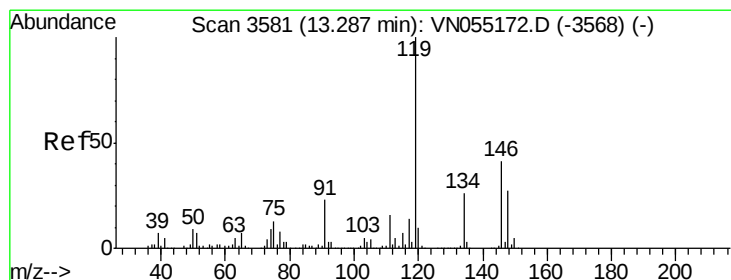
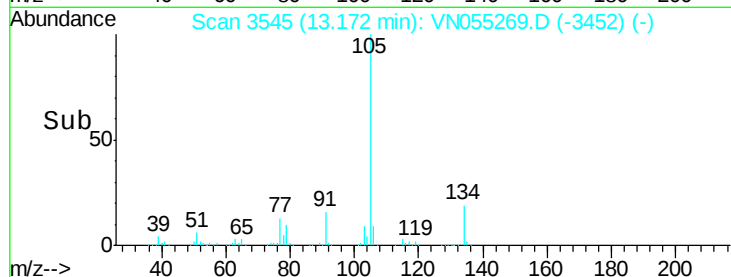
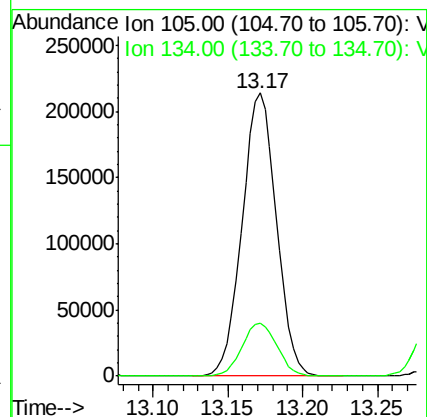
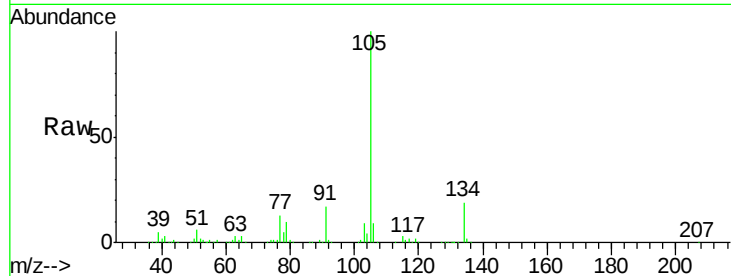
134 19.2 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.378 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

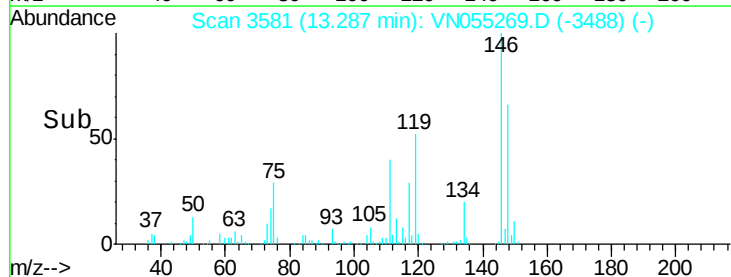
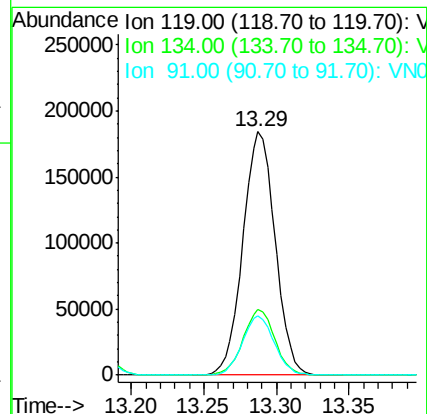
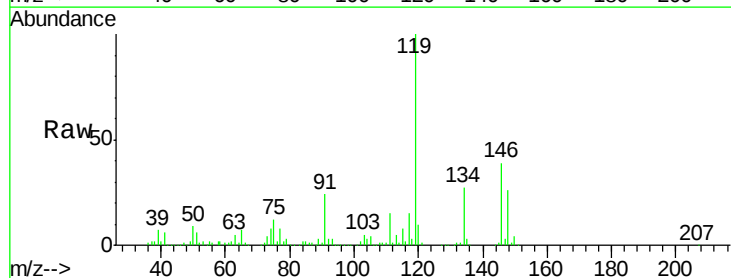
Tgt Ion:119 Resp: 283890

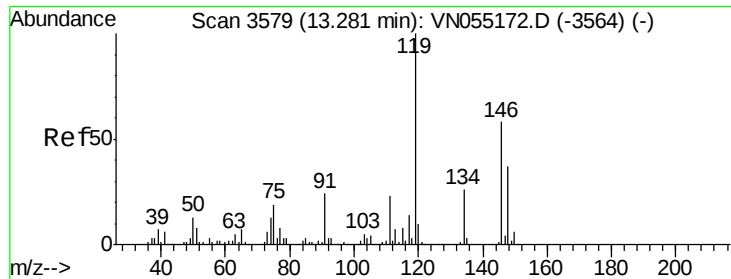
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 24.3 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 20.009 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

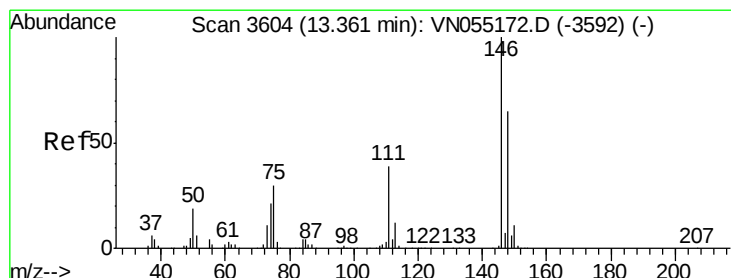
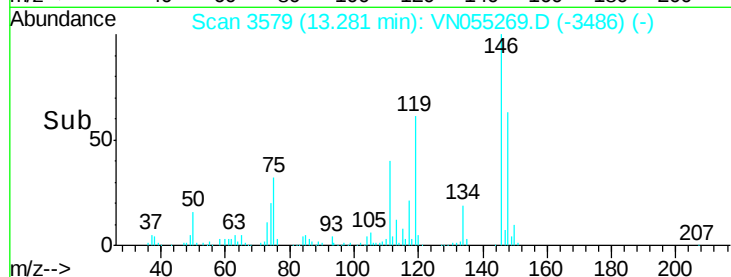
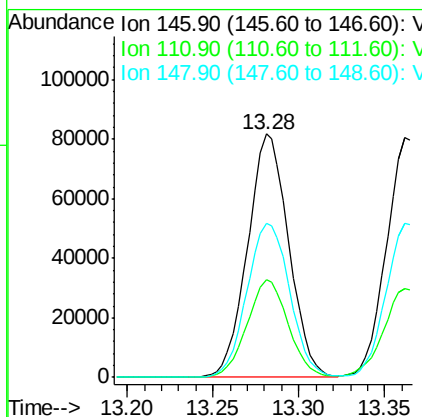
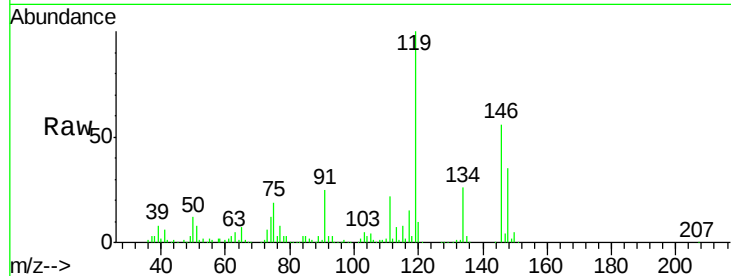
ClientSampleId :

VN0427MBS01

Tot Ion:	146	Resp:	135391
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.7	59.1
148	65.8	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.888 ug/l

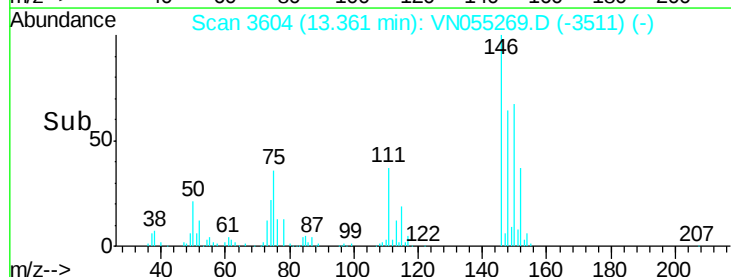
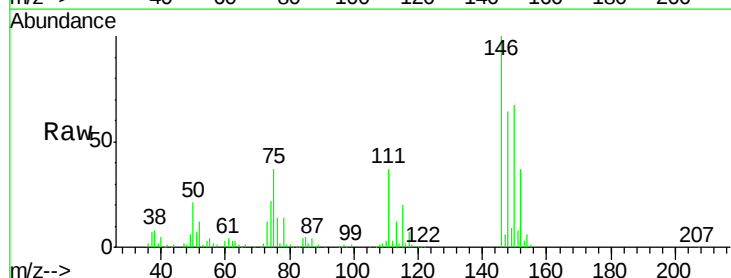
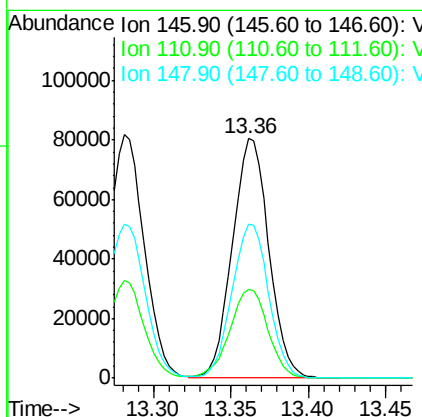
RT: 13.36 min Scan# 3604

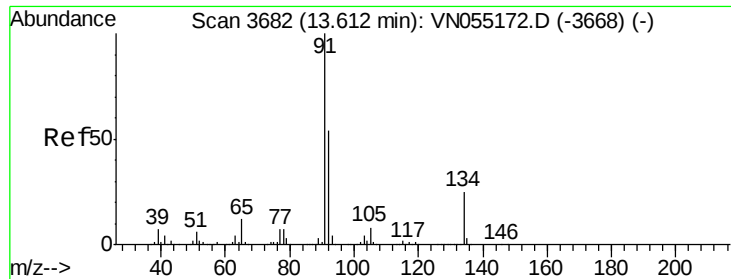
Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	146	Resp:	131022
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.4	58.2
148	64.9	32.9	98.6





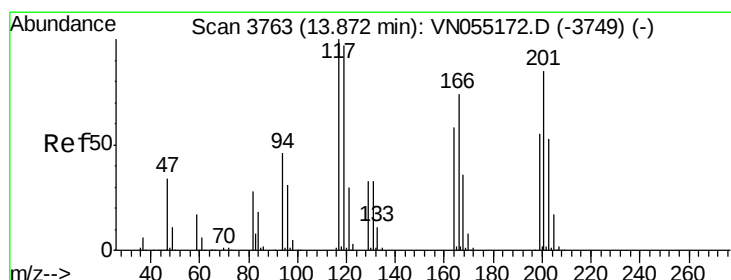
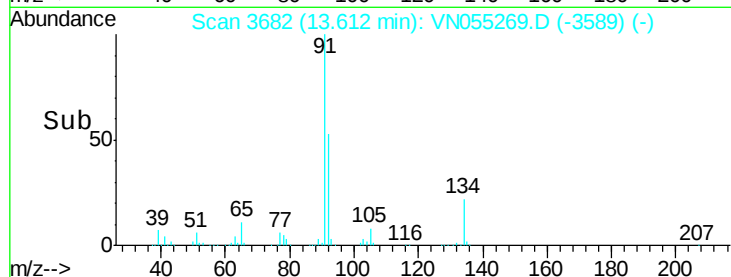
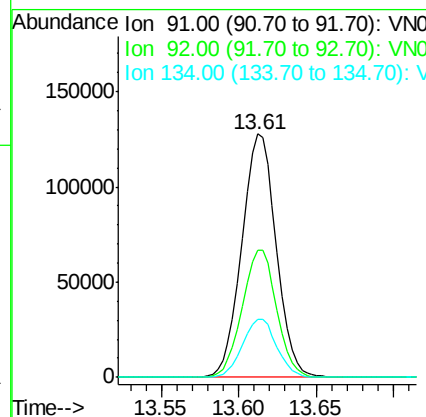
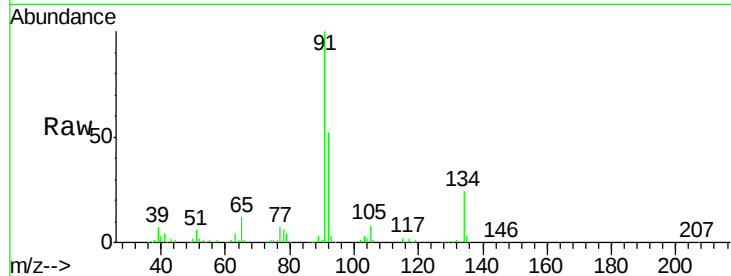
#89
n-Butylbenzene
Concen: 19.098 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		197209		
92	52.5	26.4	79.2		
134	23.9	12.8	38.4		

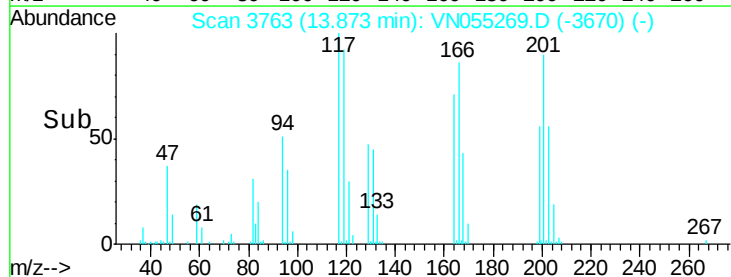
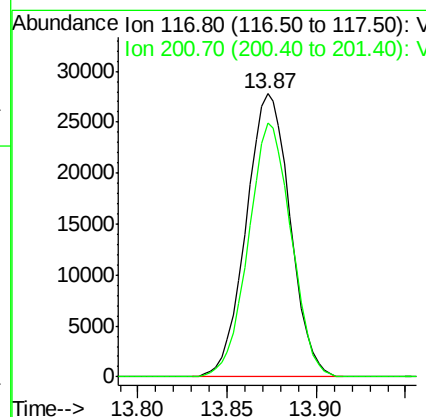
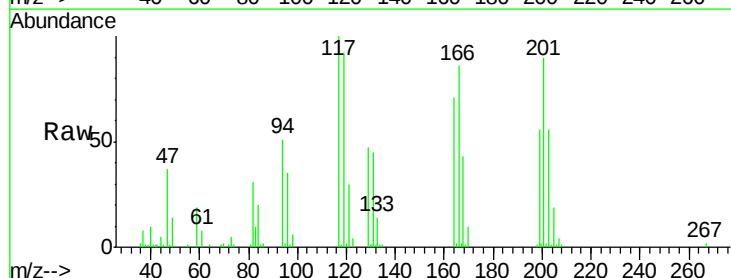
Manual Integrations
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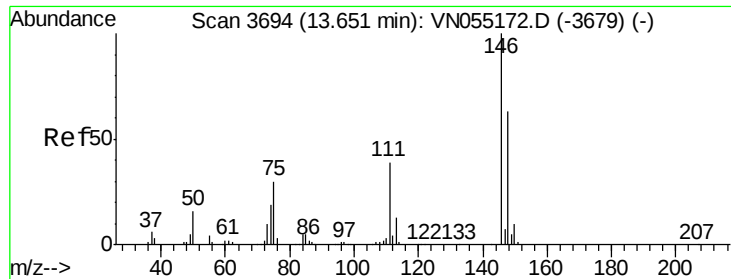
MMDadoda
4/29/2019 10:56:58 AM



#90
Hexachloroethane
Concen: 19.358 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055269.D
Acq: 26 Apr 2019 12:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		47828		
201	87.3	43.1	129.4		





#91

1,2-Dichlorobenzene

Concen: 19.991 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

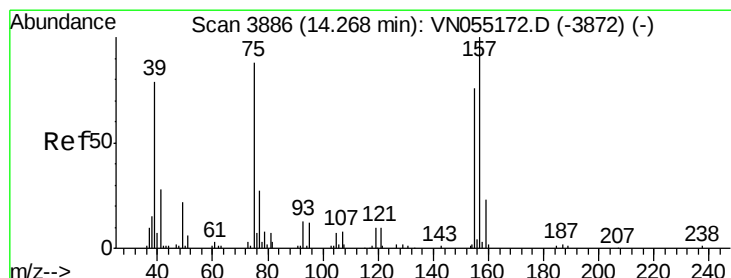
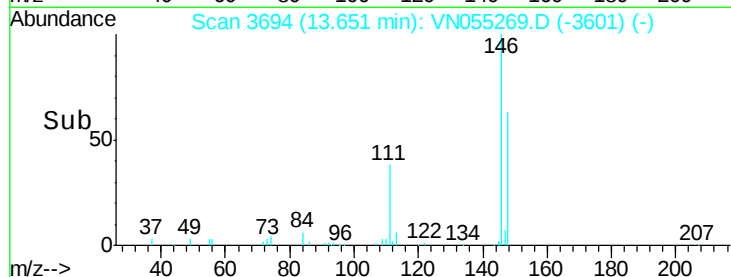
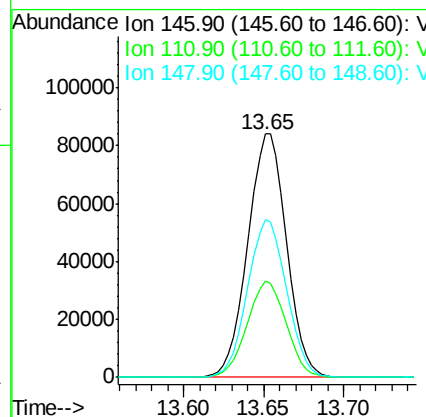
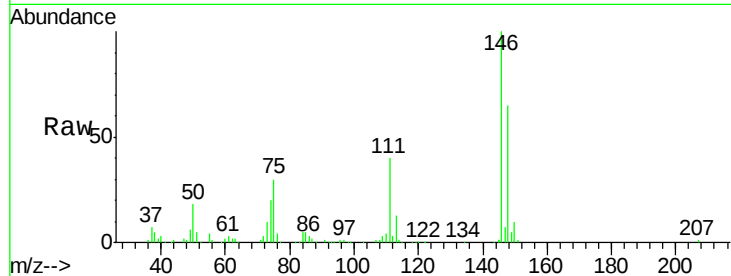
ClientSampleId :

VN0427MBS01

Tot Ion:	146	Resp:	138938
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.8	59.3
148	65.3	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.044 ug/l

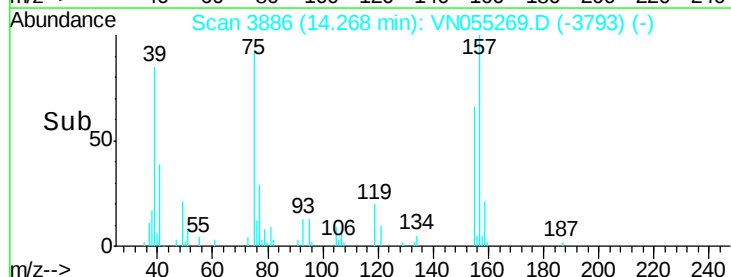
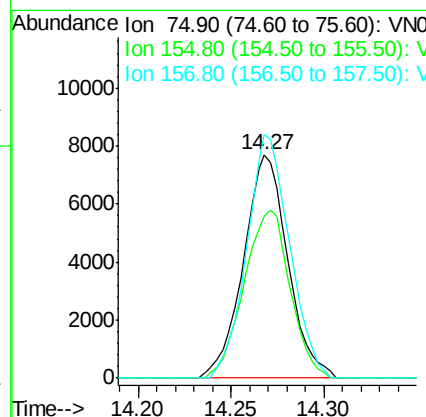
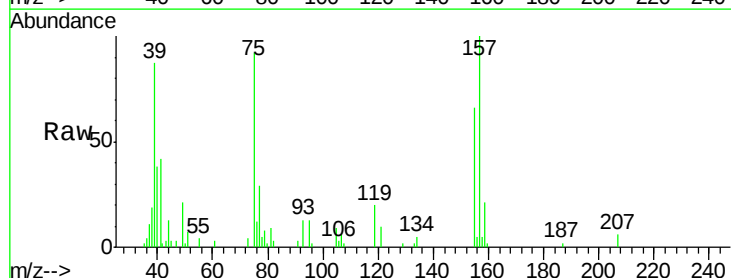
RT: 14.27 min Scan# 3886

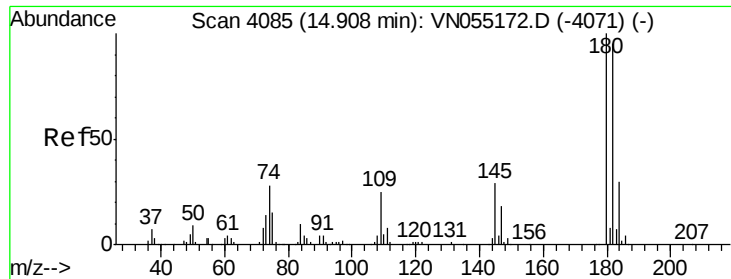
Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	75	Resp:	12759
Ion Ratio	Lower	Upper	
75	100		
155	77.9	43.0	129.0
157	105.2	55.7	167.1





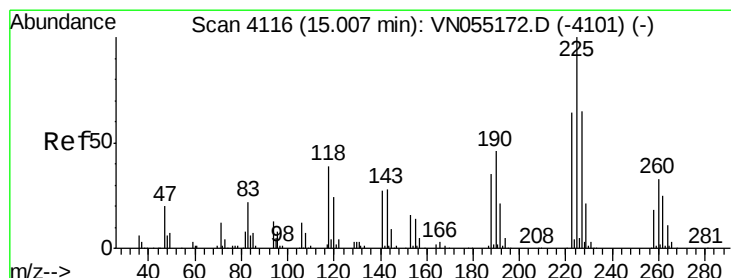
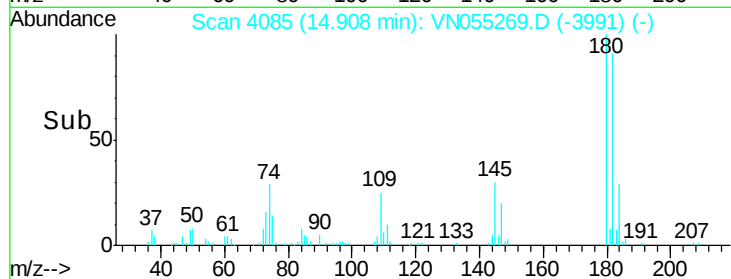
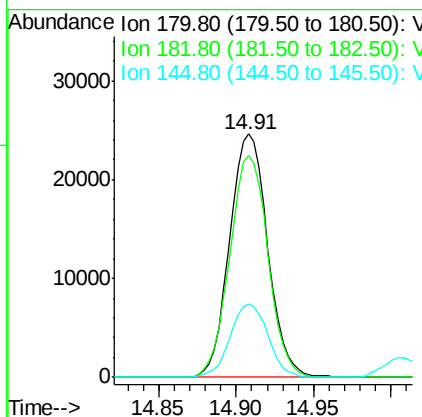
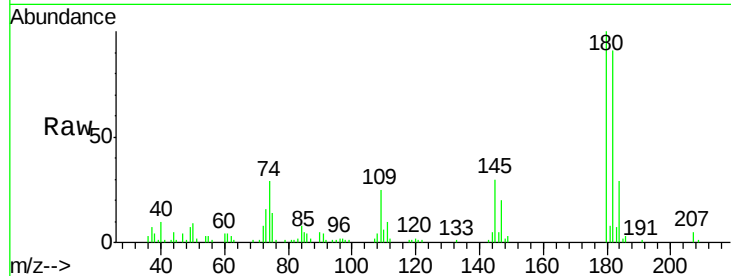
#93
 1,2,4-Trichlorobenzene
 Concen: 16.258 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.8	143.4
145	30.0	14.5	43.5

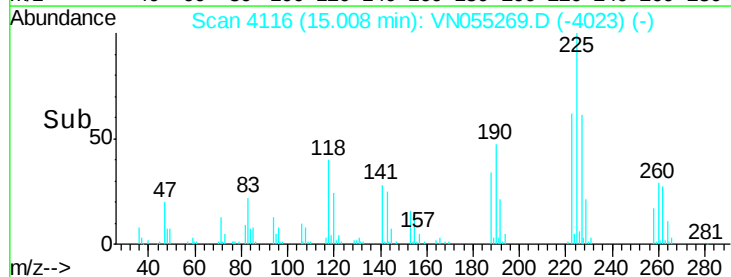
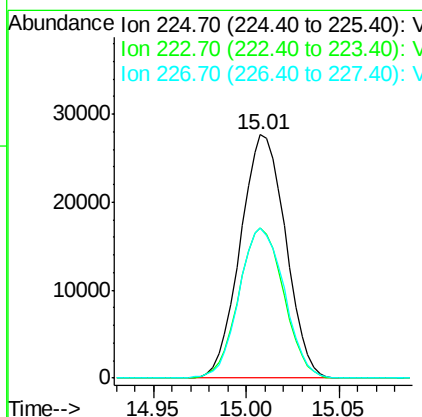
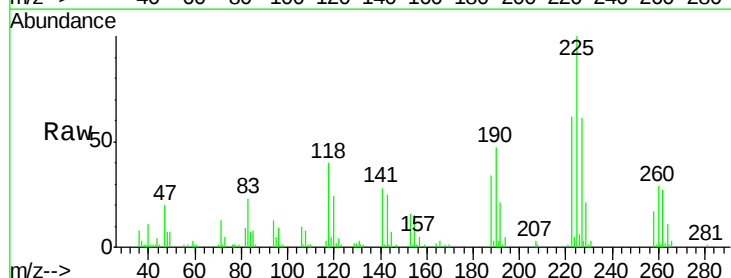
Manual Integrations
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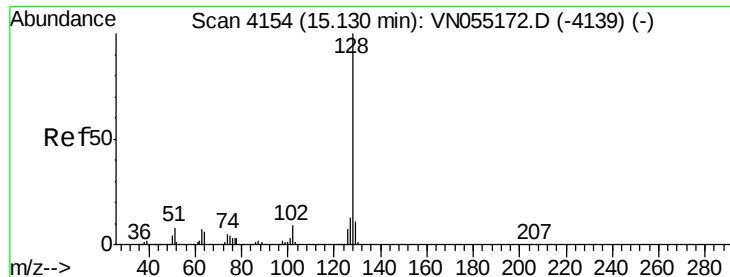
MMDadoda
 4/29/2019 10:56:58 AM



#94
 Hexachlorobutadiene
 Concen: 21.988 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055269.D
 Acq: 26 Apr 2019 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.2	96.6
227	61.5	32.6	98.0





#95

Naphthalene

Concen: 16.871 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Instrument :

MSVOA_N

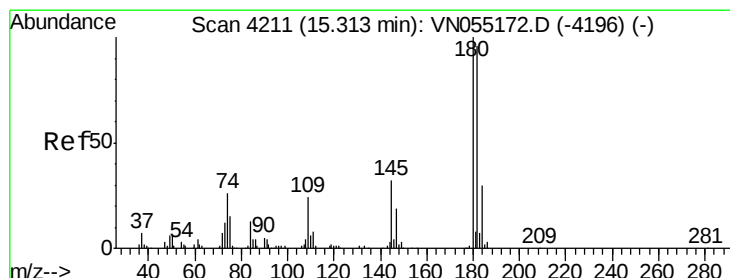
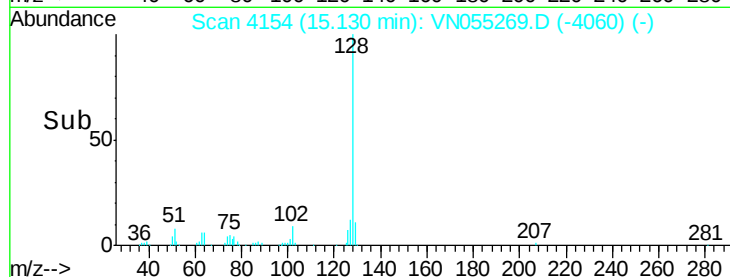
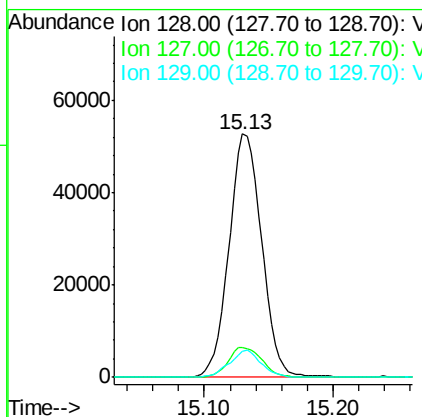
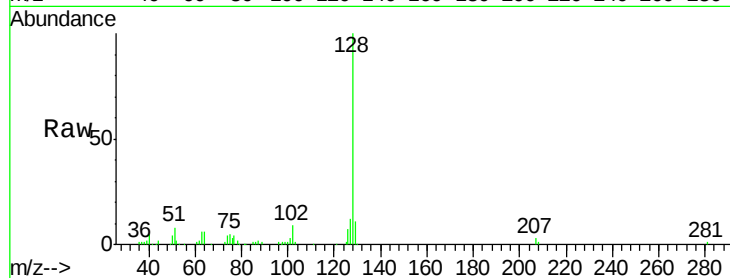
ClientSampleId :

VN0427MBS01

Tot Ion:	128	Resp:	92822
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.7	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.381 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055269.D

Acq: 26 Apr 2019 12:18

Tgt Ion:	180	Resp:	46466
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.2	141.6
145	30.3	15.4	46.1

