

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042519\
 Data File : VN055239.D
 Acq On : 25 Apr 2019 11:40
 Operator : JC/SP
 Sample : VN0425WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:59:04 AM

Quant Time: Apr 26 03:07:54 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	415981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	664522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	563116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	210330	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	284678	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
35) Dibromofluoromethane	7.59	113	223607	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	10.09	98	829317	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	258390	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	114166	21.316	ug/l	96
3) Chloromethane	2.06	50	132940	20.256	ug/l	98
4) Vinyl Chloride	2.19	62	103671	19.714	ug/l	98
5) Bromomethane	2.56	94	59876	19.633	ug/l	98
6) Chloroethane	2.70	64	56337	20.326	ug/l	100
7) Trichlorofluoromethane	3.02	101	145931	20.392	ug/l	98
8) Diethyl Ether	3.41	74	51559	20.185	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	86517	19.374	ug/l	98
10) Methyl Iodide	3.96	142	127603	20.376	ug/l	100
11) Tert butyl alcohol	4.79	59	35999	109.516	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	85665	20.016	ug/l	97
13) Acrolein	3.61	56	39210	86.056	ug/l	99
14) Allyl chloride	4.33	41	175247	20.713	ug/l	98
15) Acrylonitrile	4.99	53	194600	107.947	ug/l	100
16) Acetone	3.82	43	164672	88.471	ug/l	97
17) Carbon Disulfide	4.06	76	227453	19.010	ug/l	100
18) Methyl Acetate	4.33	43	97659	23.827	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	248608	21.010	ug/l	99
20) Methylene Chloride	4.55	84	103862	19.410	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	90345	20.131	ug/l	98
22) Diisopropyl ether	5.95	45	346346	20.537	ug/l	93
23) Vinyl Acetate	5.90	43	1233193	108.816	ug/l	100
24) 1,1-Dichloroethane	5.85	63	183349	20.212	ug/l	98
25) 2-Butanone	6.84	43	237530	98.847	ug/l	100
26) 2,2-Dichloropropane	6.83	77	123657	20.144	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	104414	20.183	ug/l	99
28) Bromochloromethane	7.19	49	95308	20.611	ug/l	99
29) Tetrahydrofuran	7.21	42	161123	109.053	ug/l	98
30) Chloroform	7.37	83	174076	20.174	ug/l	95
31) Cyclohexane	7.66	56	171135	19.354	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	141696	20.440	ug/l	99
36) 1,1-Dichloropropene	7.79	75	125949	20.420	ug/l	99
37) Ethyl Acetate	6.93	43	105229	21.140	ug/l	98
38) Carbon Tetrachloride	7.77	117	120973	20.945	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	138083	18.766	ug/l	99
40) Benzene	8.04	78	392093	20.594	ug/l	99
41) Methacrylonitrile	7.18	41	59842	22.931	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	135500	20.400	ug/l	100
43) Isopropyl Acetate	8.17	43	181743	22.548	ug/l	98
44) Trichloroethene	8.83	130	98655	20.501	ug/l	100
45) 1,2-Dichloropropane	9.12	63	107373	19.978	ug/l	99
46) Dibromomethane	9.21	93	63120	20.516	ug/l	97
47) Bromodichloromethane	9.40	83	129145	20.968	ug/l	99
48) Methyl methacrylate	9.20	41	79014	20.209	ug/l	97
49) 1,4-Dioxane	9.20	88	18408	407.683	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	497427	107.246	ug/l	99
52) Toluene	10.16	92	227239	20.359	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	118709	21.002	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	146561	20.895	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	85180	20.700	ug/l	98
56) Ethyl methacrylate	10.43	69	110540	21.564	ug/l	99
57) 1,3-Dichloropropane	10.71	76	150076	20.962	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	148385	83.014	ug/l	99
59) 2-Hexanone	10.75	43	306037	104.460	ug/l	99
60) Dibromochloromethane	10.90	129	87375	20.615	ug/l	99
61) 1,2-Dibromoethane	11.01	107	81550	21.078	ug/l	100
64) Tetrachloroethene	10.63	164	91232	19.860	ug/l	99
65) Chlorobenzene	11.43	112	230719	20.073	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87061	20.437	ug/l	98
67) Ethyl Benzene	11.51	91	415432	20.291	ug/l	99
68) m/p-Xylenes	11.62	106	296534	40.382	ug/l	98
69) o-Xylene	11.95	106	146792	20.143	ug/l	100
70) Styrene	11.96	104	239435	21.196	ug/l	99
71) Bromoform	12.13	173	52568	20.679	ug/l #	100
73) Isopropylbenzene	12.25	105	397909	22.295	ug/l	100
74) N-amyl acetate	12.07	43	117092	21.593	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	104600	23.143	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	96785m	22.682	ug/l	
77) Bromobenzene	12.53	156	93145	20.060	ug/l	98
78) n-propylbenzene	12.59	91	422824	20.045	ug/l	100
79) 2-Chlorotoluene	12.67	91	267387	20.075	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	323314	20.534	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	23267	20.670	ug/l	93
82) 4-Chlorotoluene	12.77	91	245831	20.060	ug/l	100
83) tert-Butylbenzene	12.99	119	275576	22.064	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	301581	20.297	ug/l	100
85) sec-Butylbenzene	13.17	105	354133	19.881	ug/l	98
86) p-Isopropyltoluene	13.29	119	294799	20.088	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142839	20.039	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	137361	19.793	ug/l	99
89) n-Butylbenzene	13.61	91	204859	18.833	ug/l	99
90) Hexachloroethane	13.87	117	50643	19.458	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	148131	20.233	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13114	20.533	ug/l	97

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ClientSampleId :
VN0425WBSD01

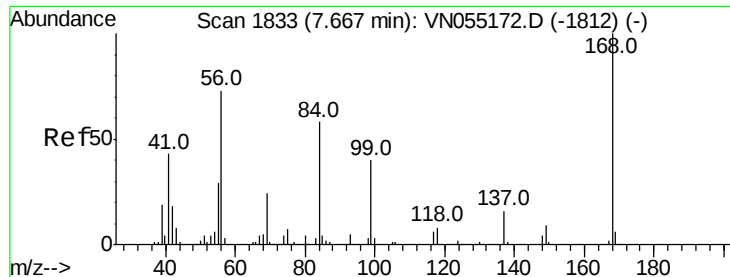
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47086	17.127	ug/l	97
94) Hexachlorobutadiene	15.01	225	49371	21.860	ug/l	98
95) Naphthalene	15.13	128	96822	16.739	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47611	16.964	ug/l	98

(#) = 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: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion:168 Resp: 415981

Ion Ratio Lower Upper

168 100

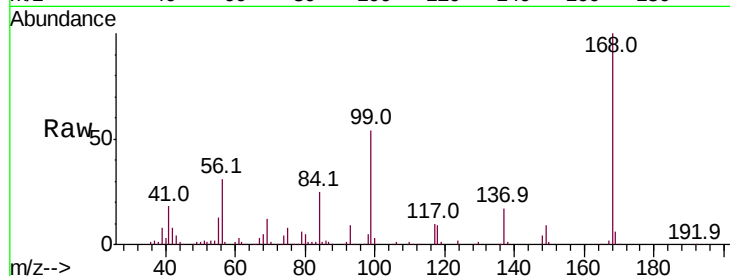
99 53.4 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

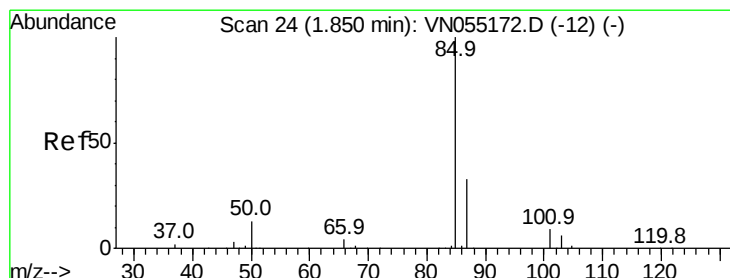
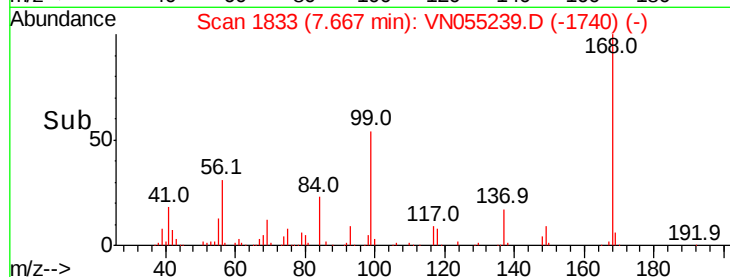
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.316 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055239.D

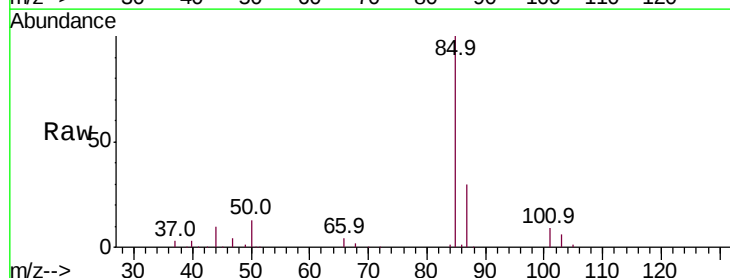
Acq: 25 Apr 2019 11:40

Tgt Ion: 85 Resp: 114166

Ion Ratio Lower Upper

85 100

87 30.3 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

60000

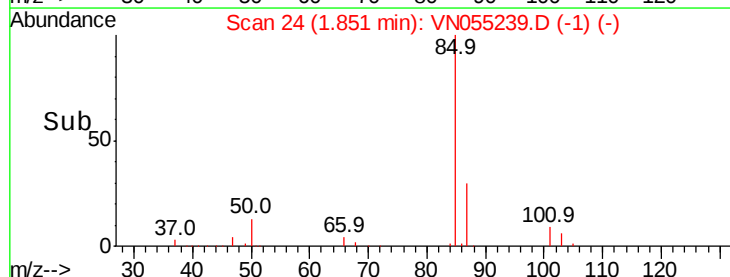
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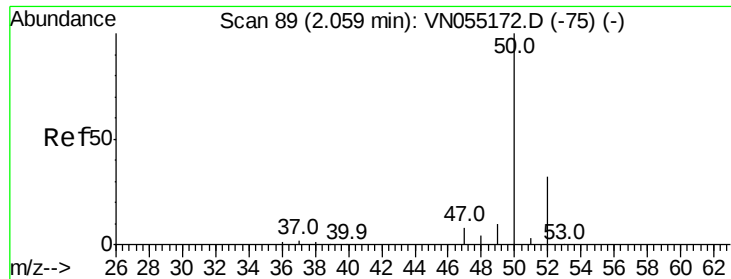
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1.80 1.85 1.90 1.95

Time-->





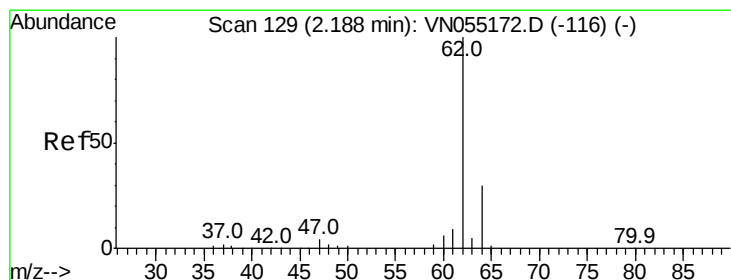
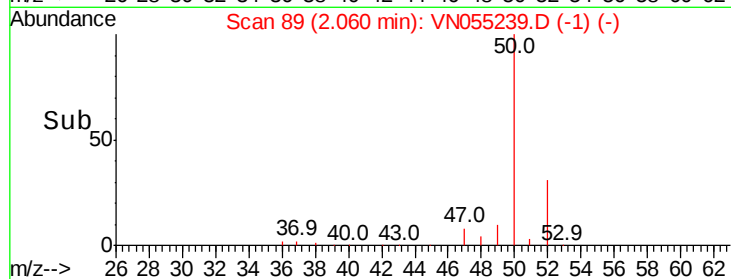
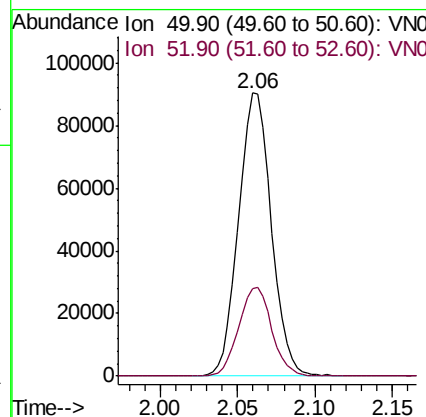
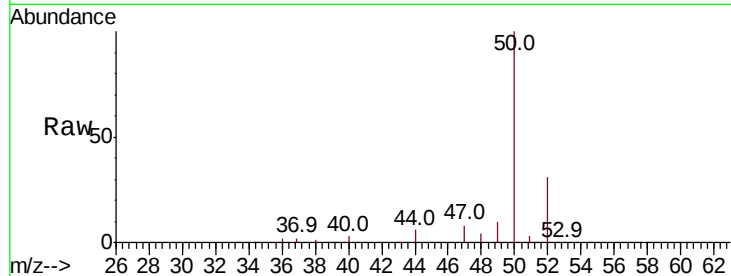
#3
Chloromethane
Concen: 20.256 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
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ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.0	25.8	38.6

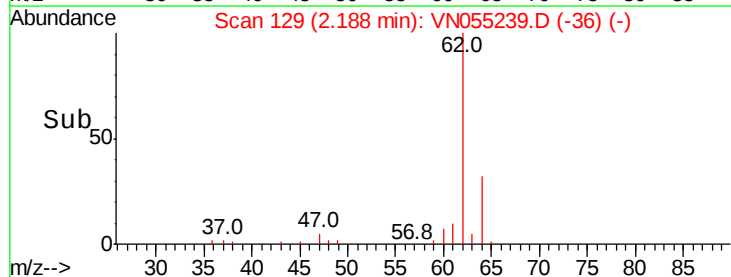
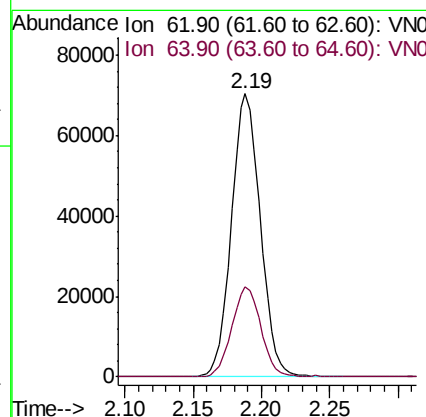
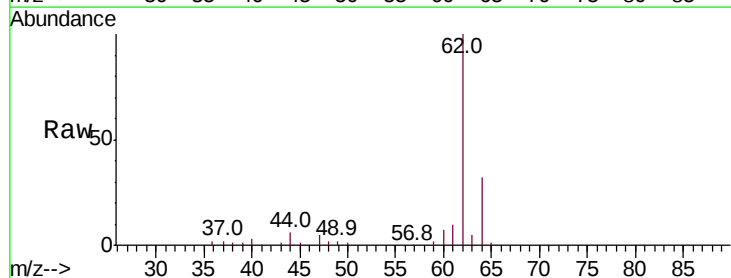
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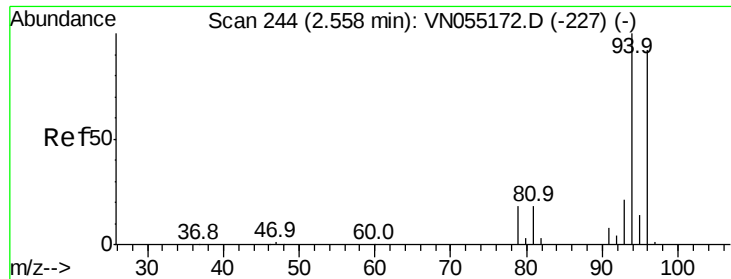
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#4
Vinyl Chloride
Concen: 19.714 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	24.2	36.4





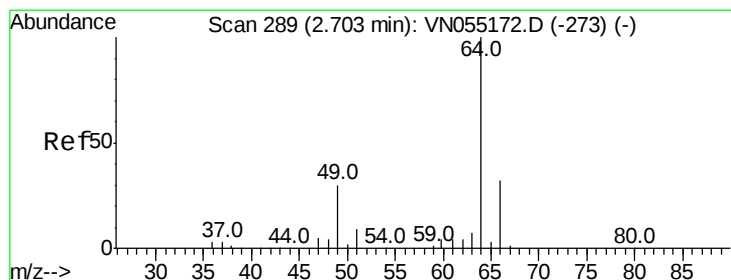
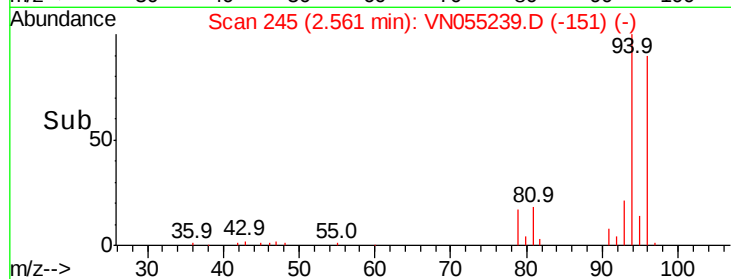
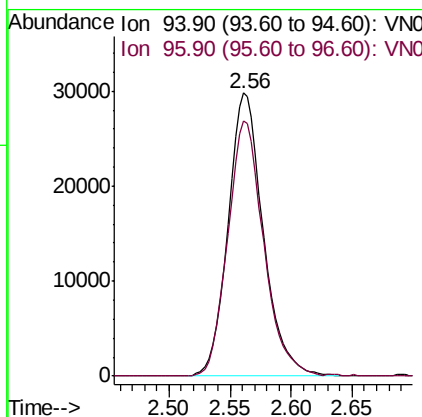
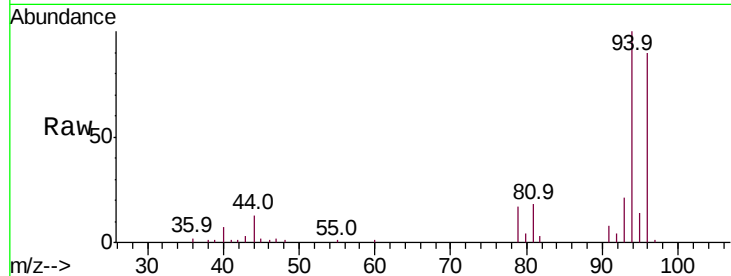
#5
Bromomethane
Concen: 19.633 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
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Tot Ion: 94 Resp: 59876
Ion Ratio Lower Upper
94 100
96 90.0 73.4 110.2

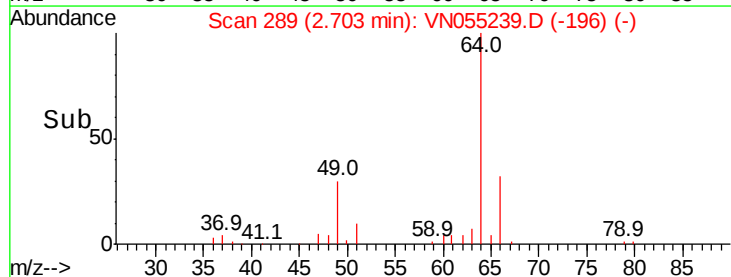
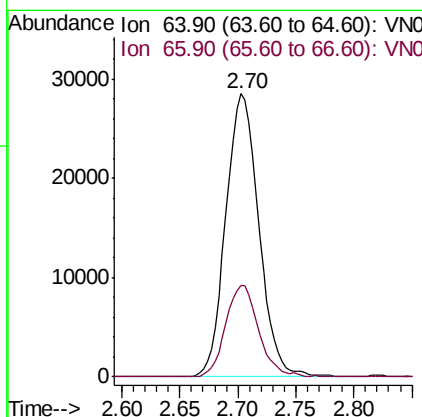
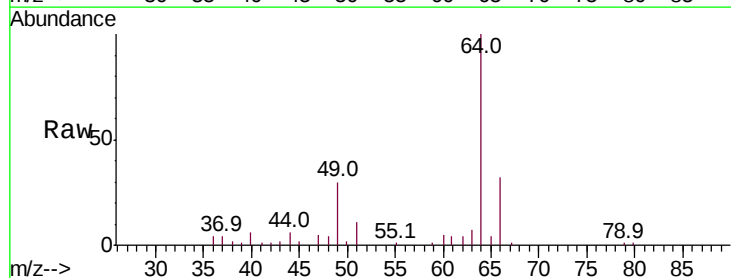
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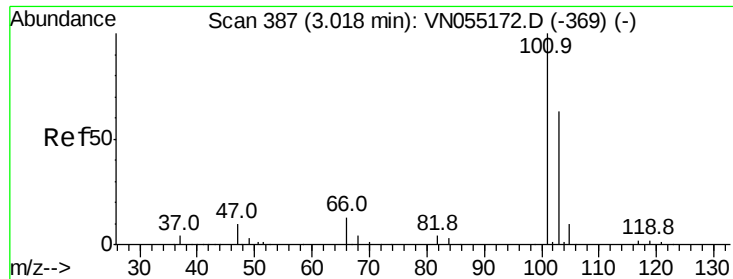
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#6
Chloroethane
Concen: 20.326 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion: 64 Resp: 56337
Ion Ratio Lower Upper
64 100
66 32.2 25.9 38.9





#7

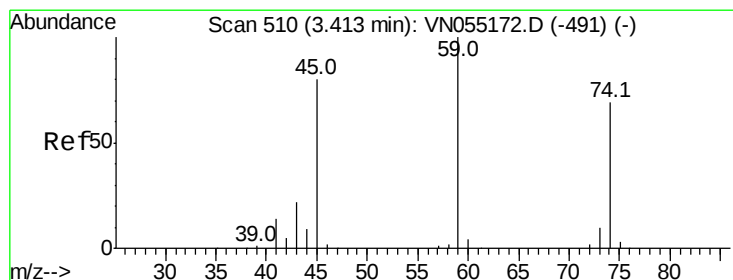
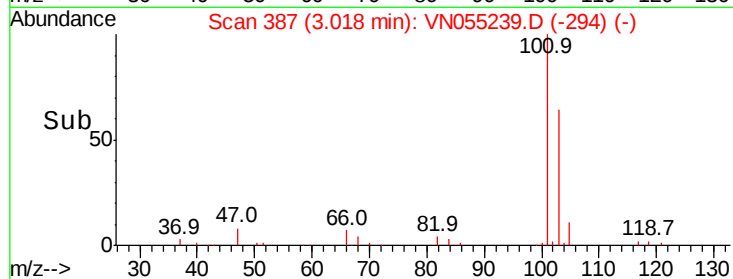
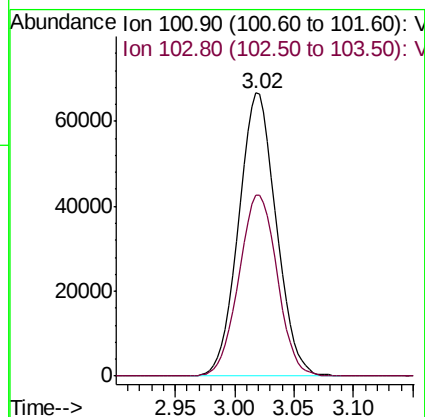
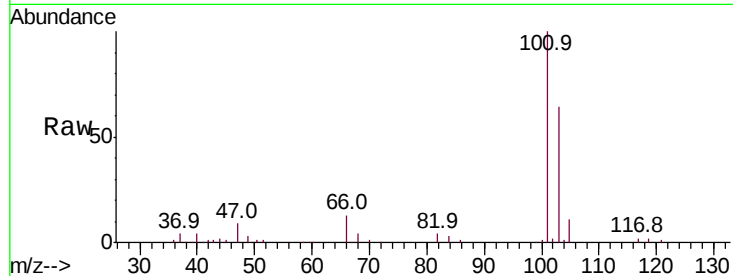
Trichlorofluoromethane
 Concen: 20.392 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.1	75.1

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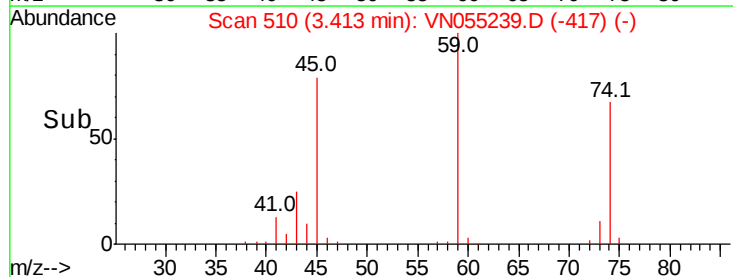
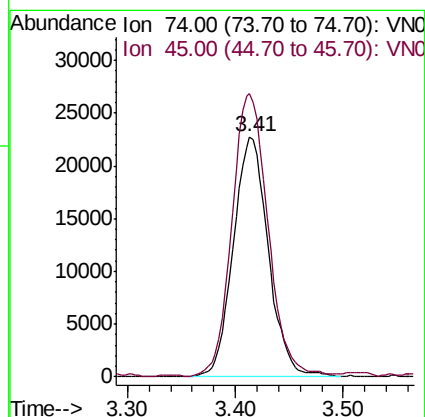
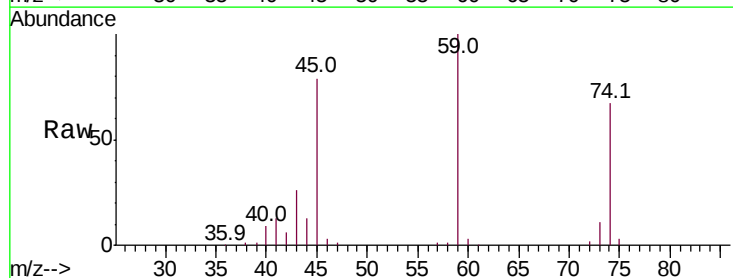
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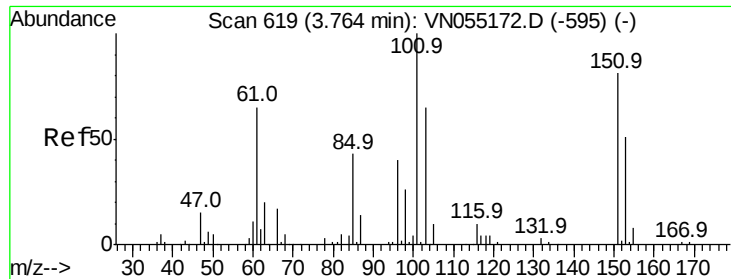


#8

Diethyl Ether
 Concen: 20.185 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.9	56.9	170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.374 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

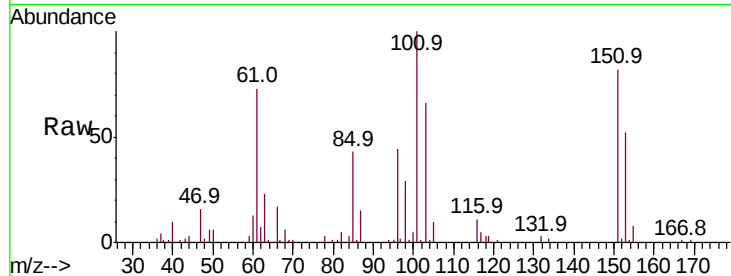
ClientSampled :

VN0425WBSD01

Tot Ion:	101	Resp:	86517
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.9	52.3
151	81.5	63.8	95.8

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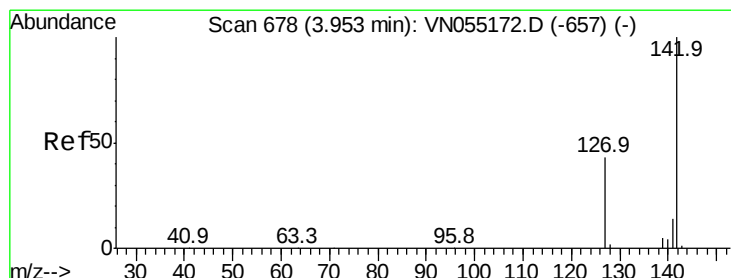
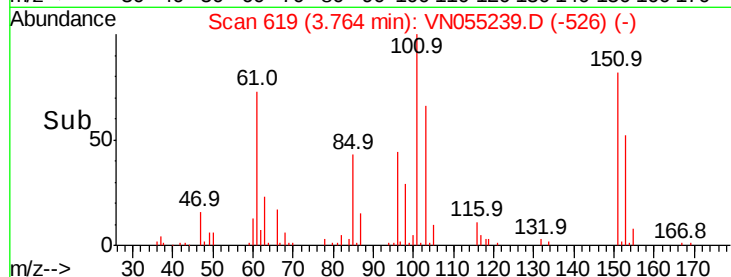
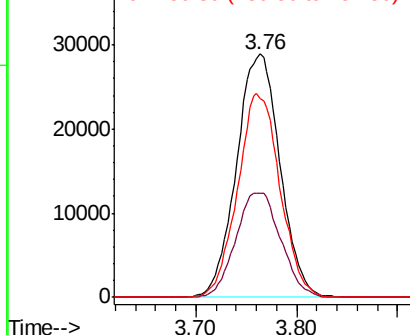


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.376 ug/l

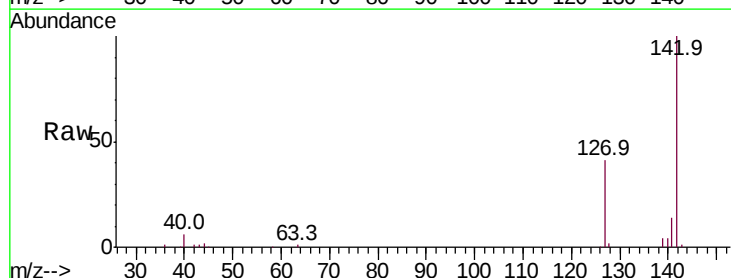
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion:	142	Resp:	127603
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.1	51.1
141	14.5	11.4	17.2

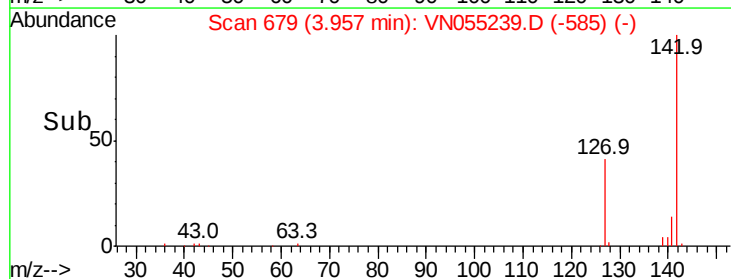
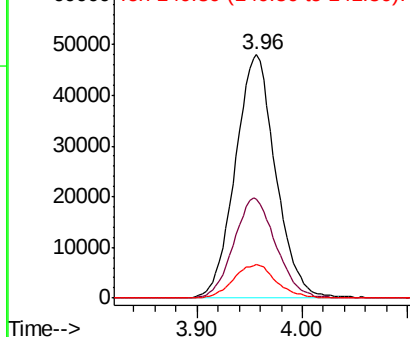


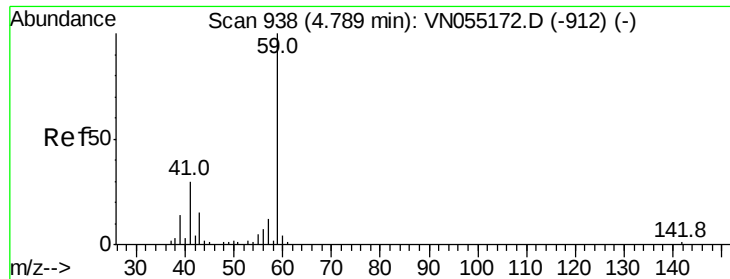
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





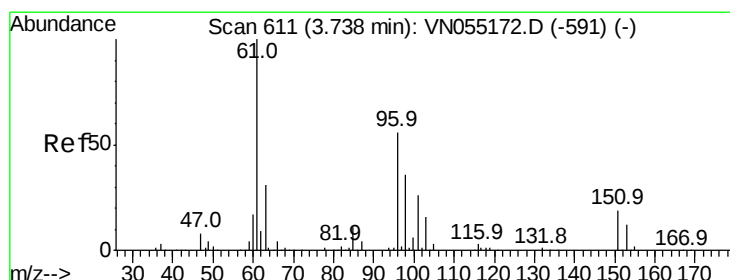
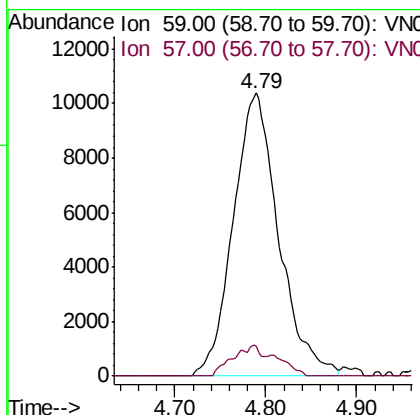
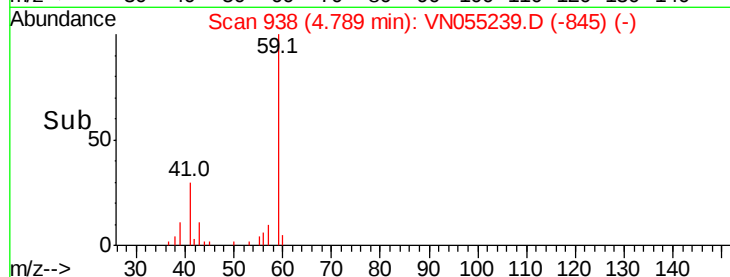
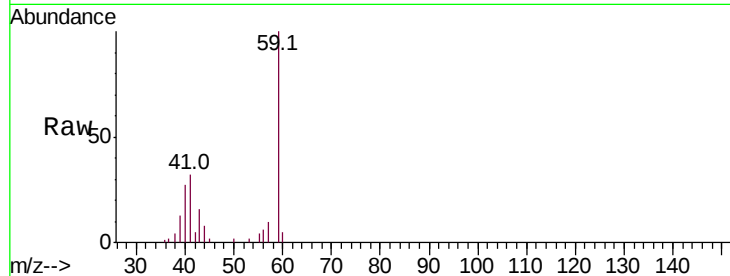
#11
Tert butyl alcohol
Concen: 109.516 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.8	13.2#

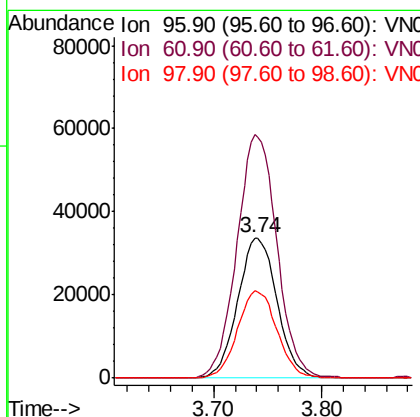
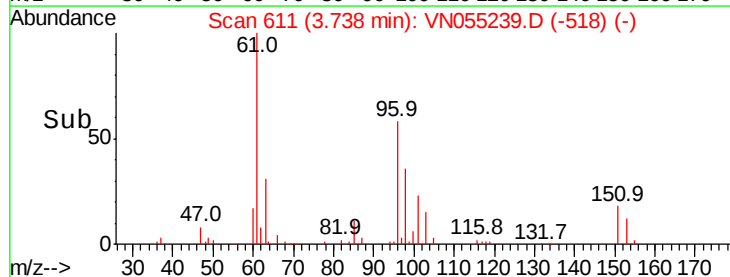
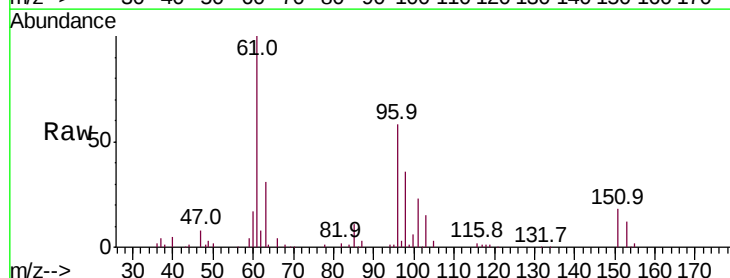
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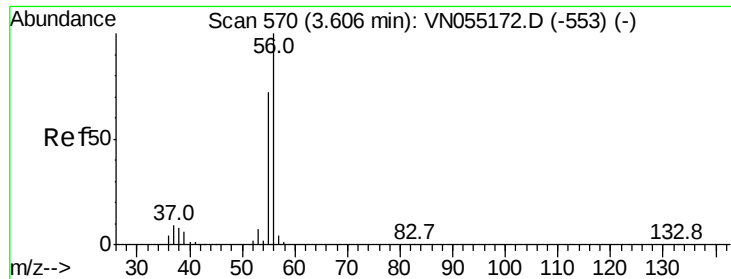
MMdadoda
4/26/2019 10:59:04 AM



#12
1,1-Dichloroethene
Concen: 20.016 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.6	142.1	213.1
98	61.9	51.2	76.8





#13

Acrolein

Concen: 86.056 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion: 56 Resp: 39210

Ion Ratio Lower Upper

56 100

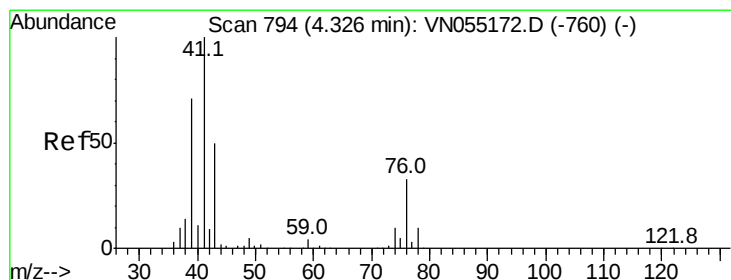
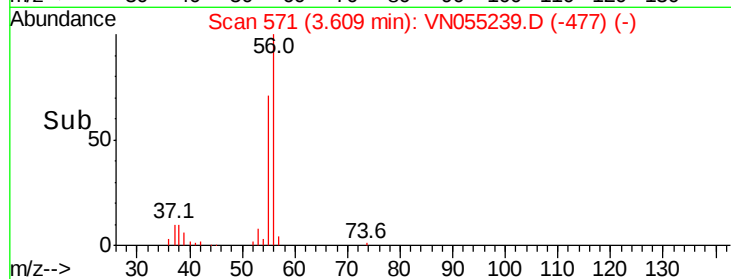
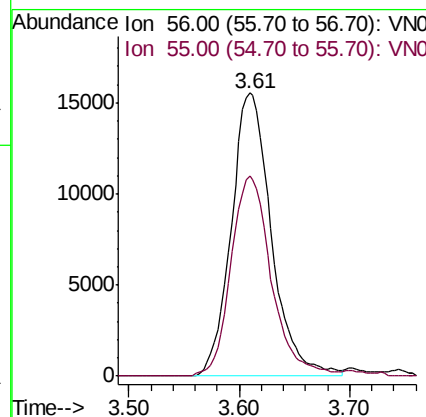
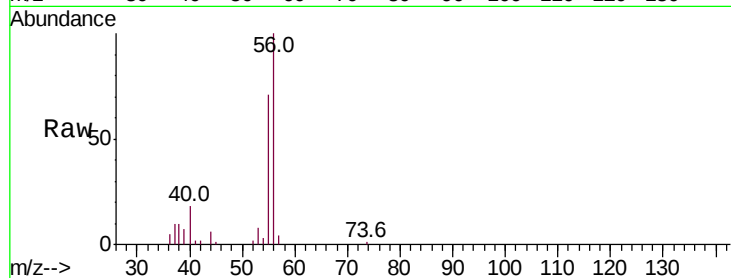
55 70.8 57.4 86.0

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#14

Allyl chloride

Concen: 20.713 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

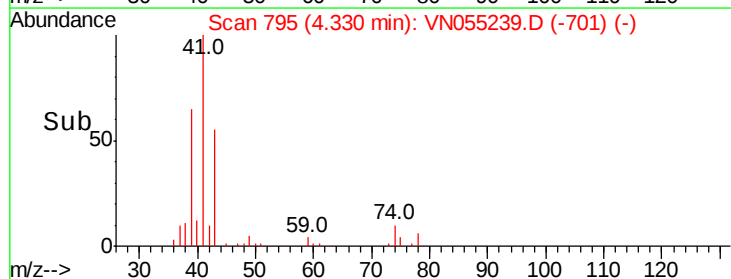
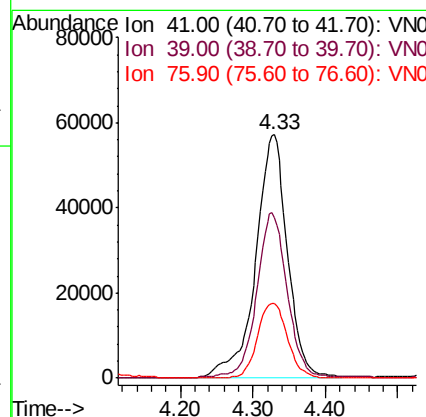
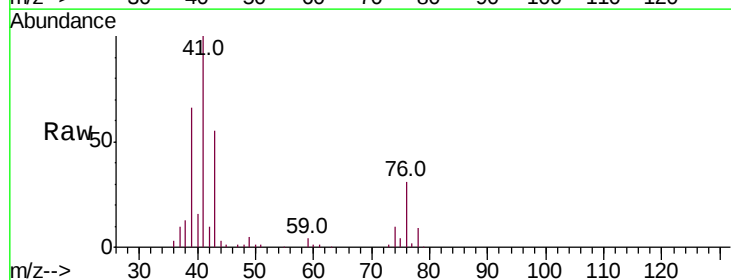
Tgt Ion: 41 Resp: 175247

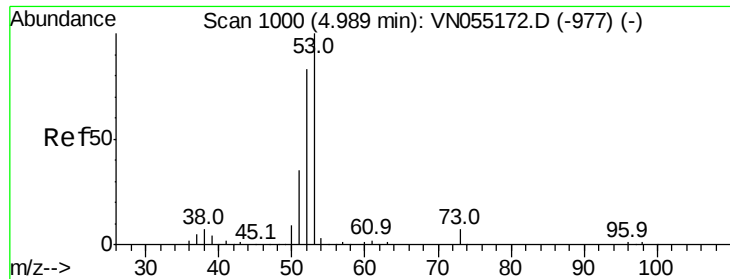
Ion Ratio Lower Upper

41 100

39 63.9 52.9 79.3

76 28.8 23.6 35.4





#15

Acrylonitrile

Concen: 107.947 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

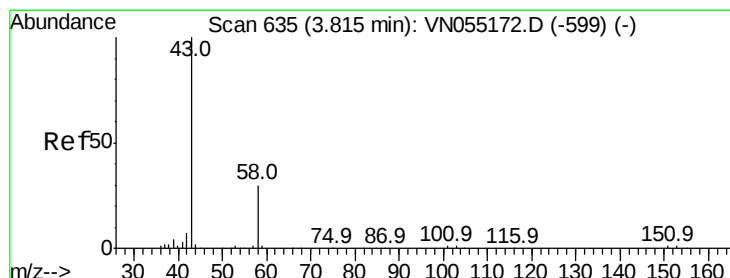
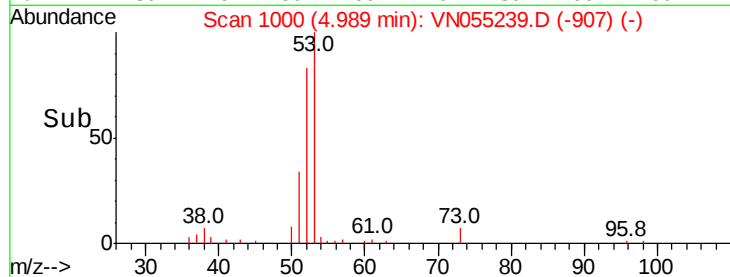
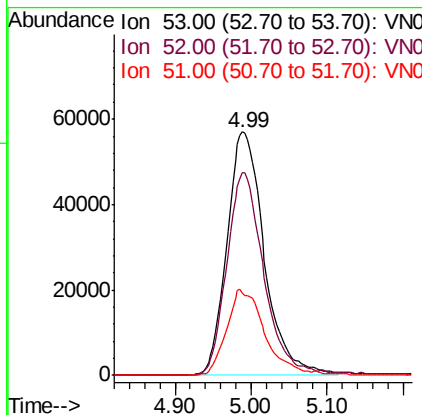
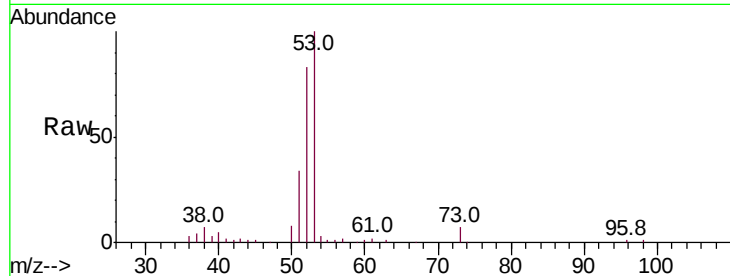
ClientSampleId :

VN0425WBSD01

Tot Ion:	53	Resp:	194600
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.8	98.8
51	35.8	28.9	43.3

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#16

Acetone

Concen: 88.471 ug/l

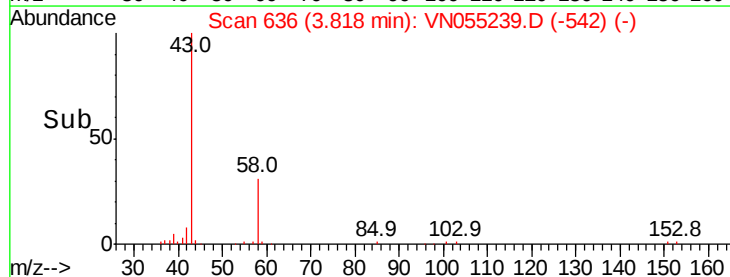
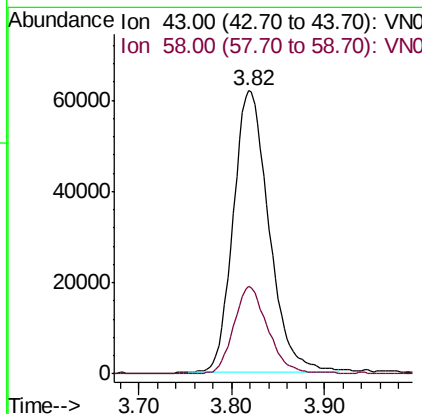
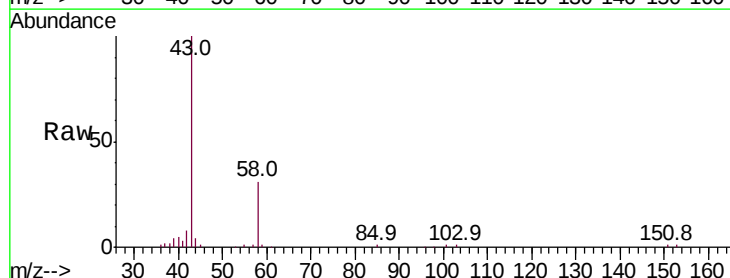
RT: 3.82 min Scan# 636

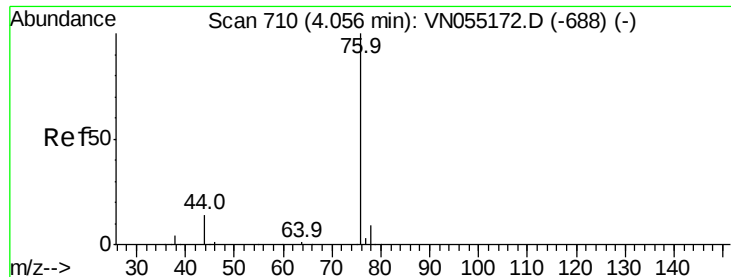
Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion:	43	Resp:	164672
Ion Ratio	Lower	Upper	
43	100		
58	31.2	23.8	35.8





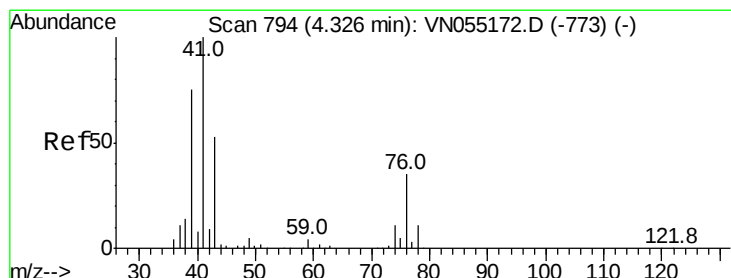
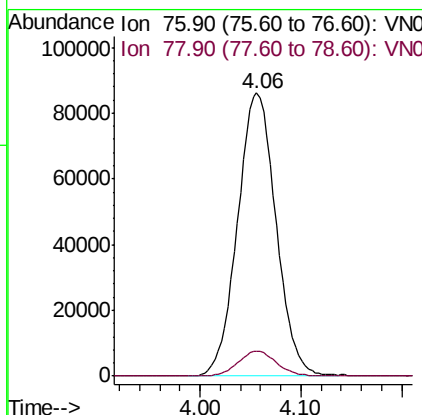
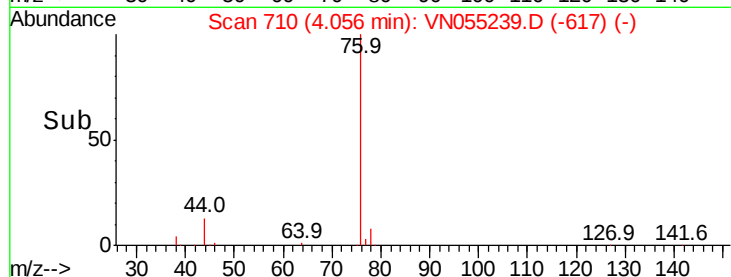
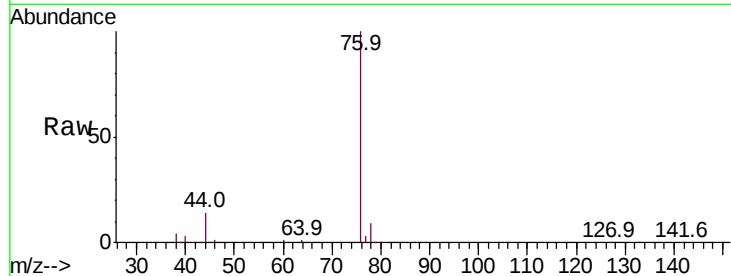
#17
Carbon Disulfide
Concen: 19.010 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

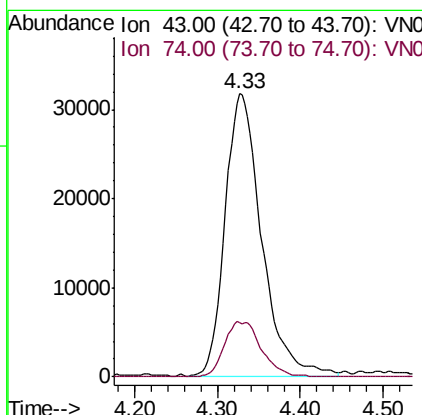
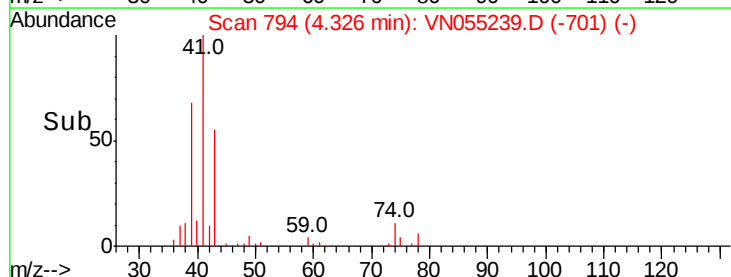
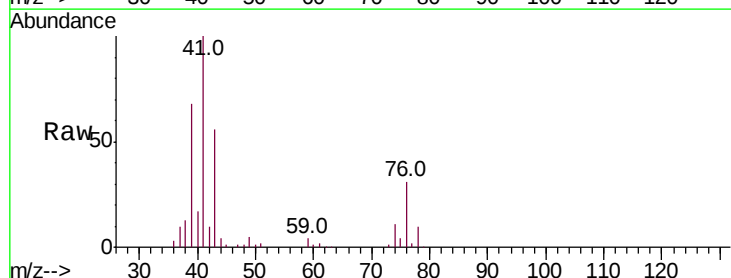
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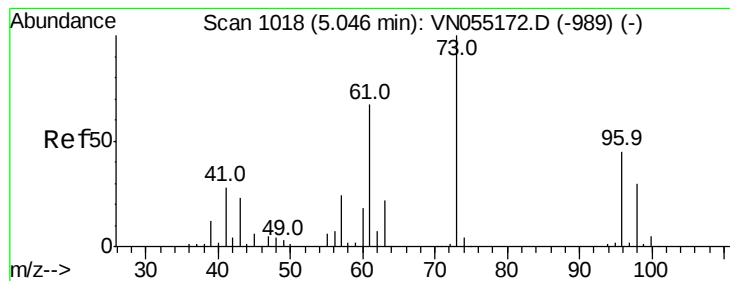
MMDadoda
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#18
Methyl Acetate
Concen: 23.827 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.7	25.1





#19

Methyl tert-butyl Ether

Concen: 21.010 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion: 73 Resp: 248608

Ion Ratio Lower Upper

73 100

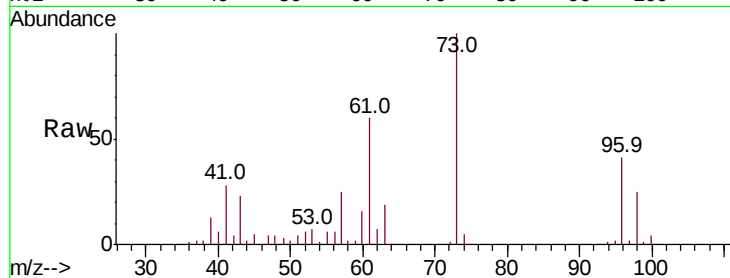
57 24.9 19.5 29.3

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Abundance Ion 73.00 (72.70 to 73.70): VN055172.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN055172.D (-989) (-)

5.05

60000

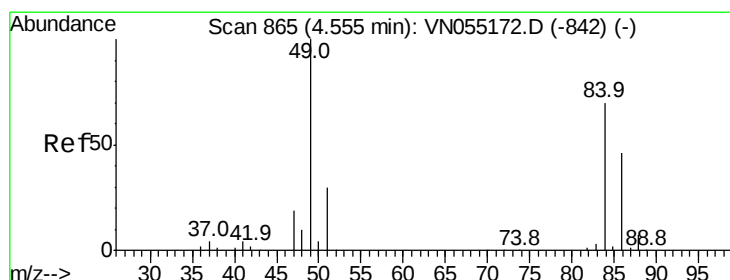
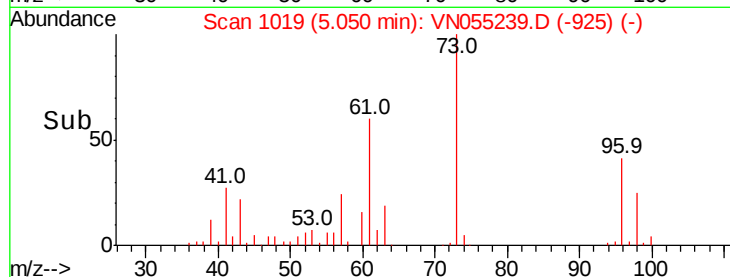
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 19.410 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion: 84 Resp: 103862

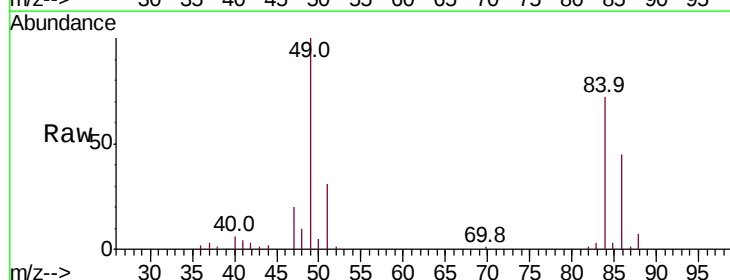
Ion Ratio Lower Upper

84 100

49 138.4 113.8 170.6

51 42.5 34.0 51.0

86 62.5 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VN055172.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN055172.D (-842) (-)

Ion 50.90 (50.60 to 51.60): VN055172.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN055172.D (-842) (-)

4.55

60000

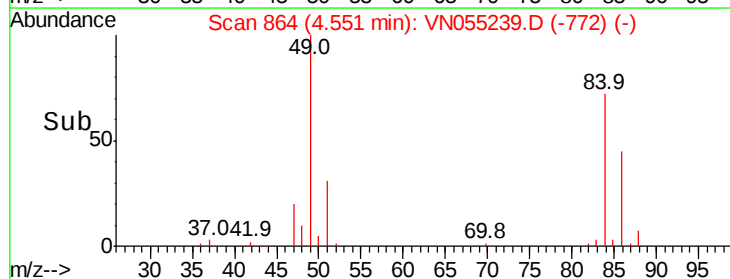
40000

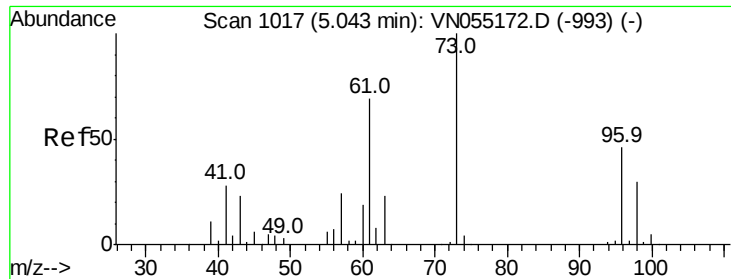
20000

0

Time-->

4.50 4.60





#21

trans-1,2-Dichloroethene

Concen: 20.131 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

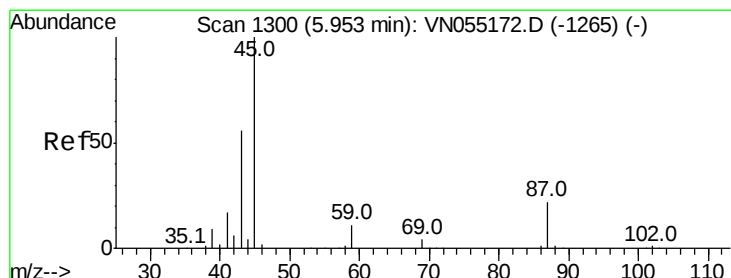
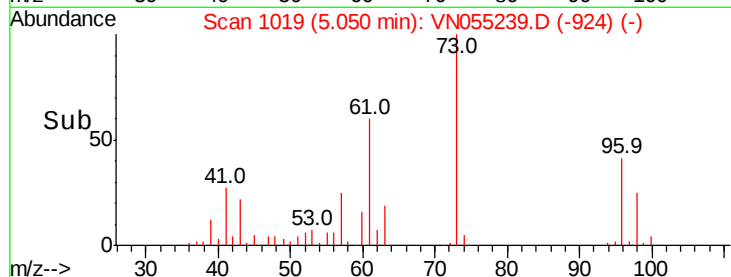
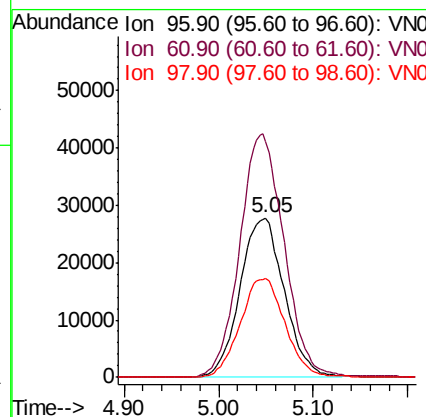
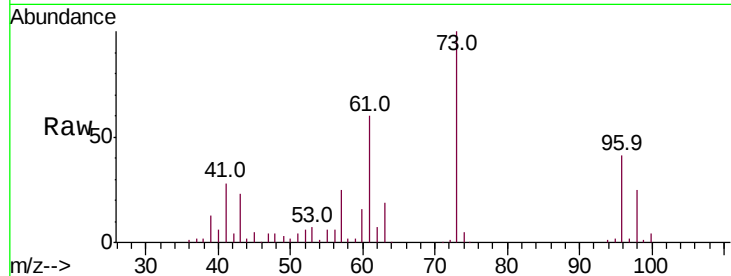
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion: 96 Resp: 90345

Ion	Ratio	Lower	Upper
96	100		
61	148.2	119.3	178.9
98	62.0	53.0	79.4

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#22

Diisopropyl ether

Concen: 20.537 ug/l

RT: 5.95 min Scan# 1299

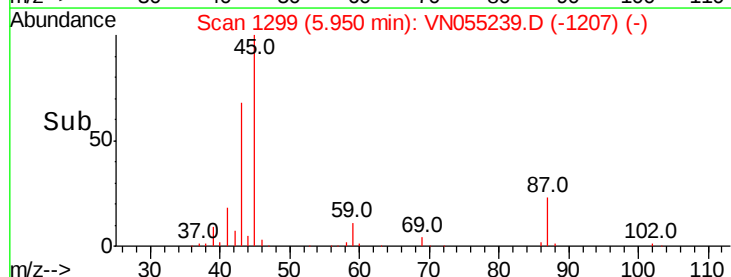
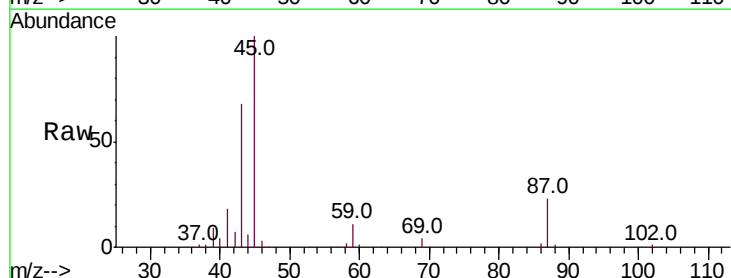
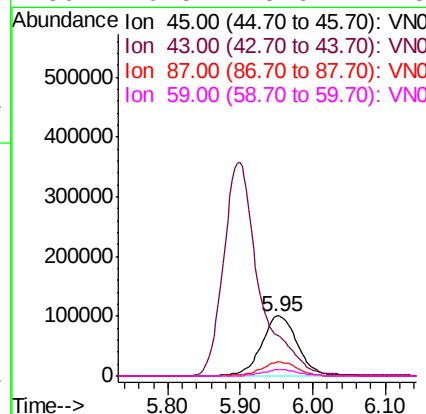
Delta R.T. -0.00 min

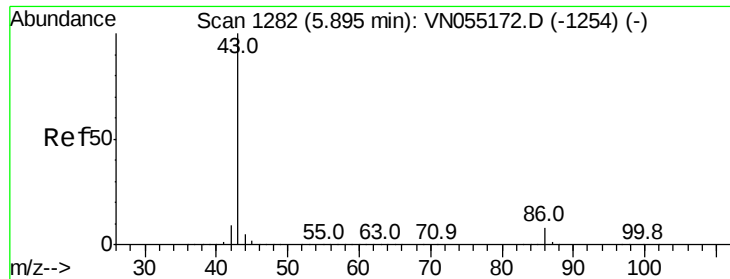
Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion: 45 Resp: 346346

Ion	Ratio	Lower	Upper
45	100		
43	67.3	47.4	71.0
87	22.8	18.4	27.6
59	10.5	8.6	12.8





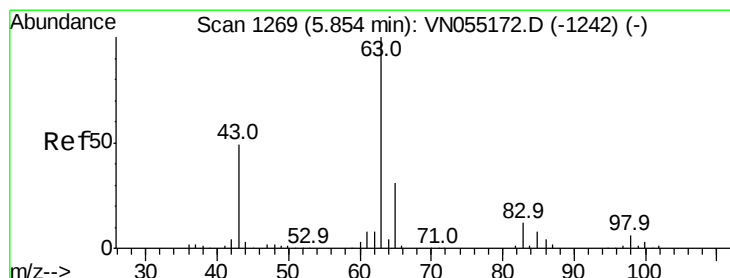
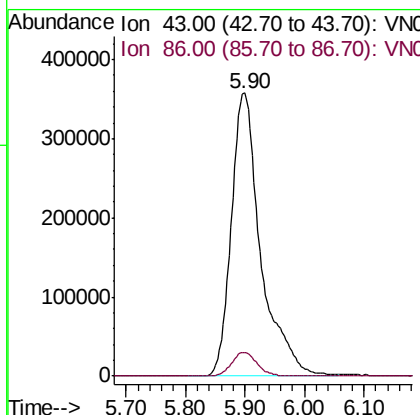
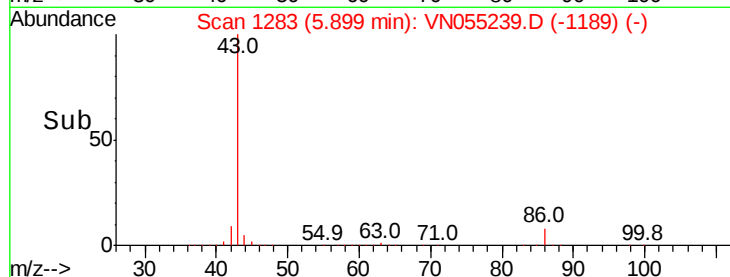
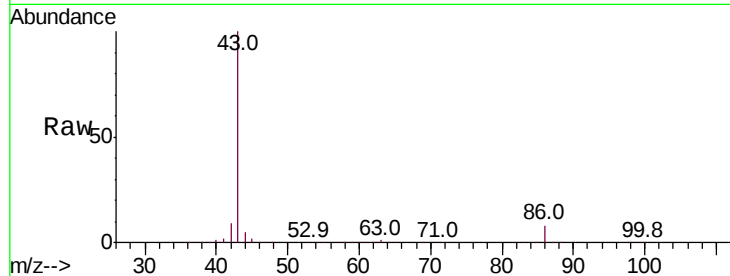
#23
 Vinyl Acetate
 Concen: 108.816 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Tot Ion: 43 Resp: 1233193
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.8 10.2

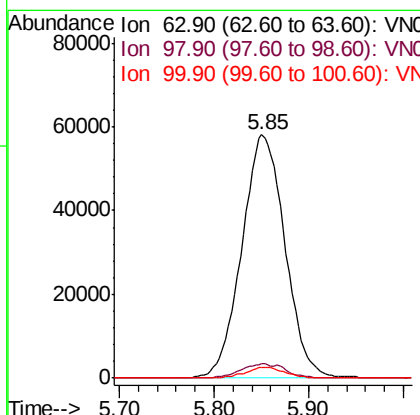
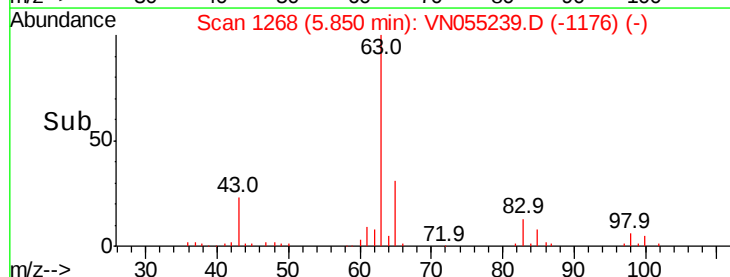
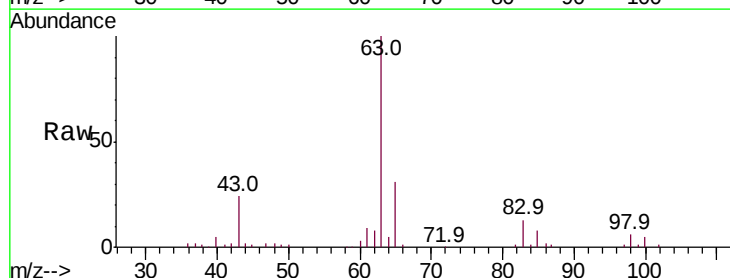
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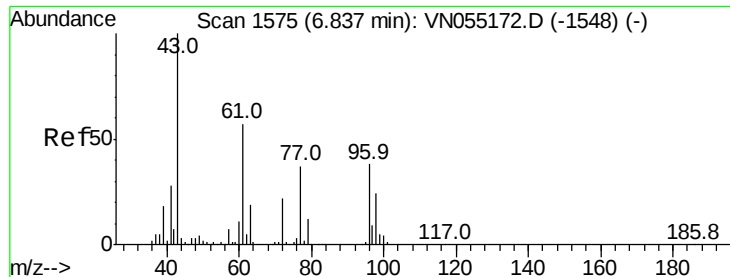
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#24
 1,1-Dichloroethane
 Concen: 20.212 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion: 63 Resp: 183349
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.1 9.3
 100 4.6 1.8 5.3





#25

2-Butanone

Concen: 98.847 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion: 43 Resp: 237530

Ion Ratio Lower Upper

43 100

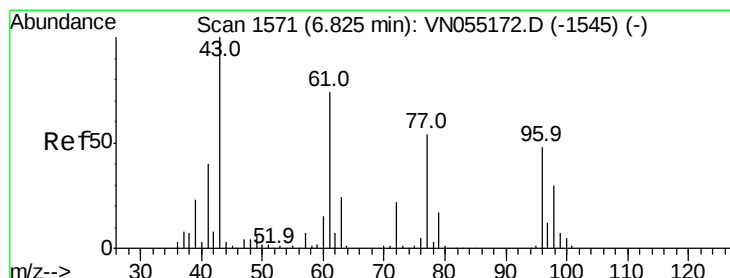
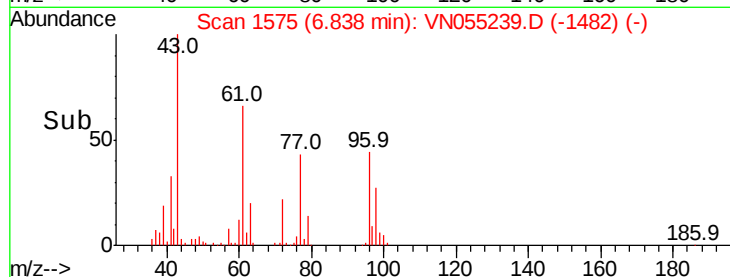
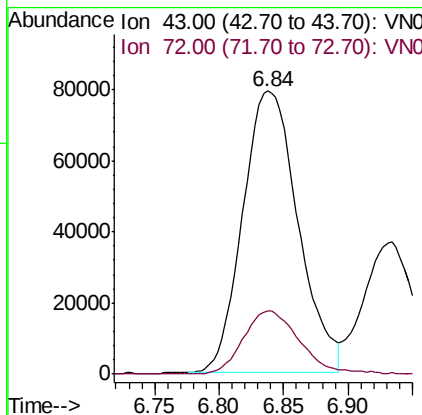
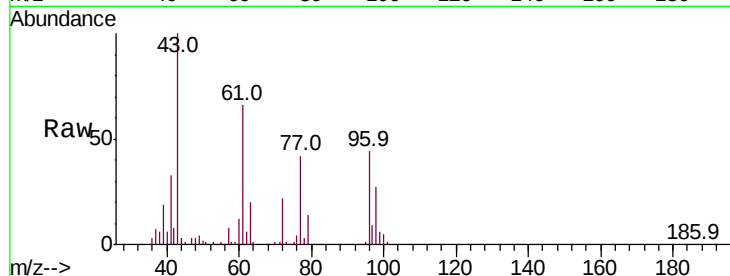
72 22.4 17.8 26.8

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#26

2,2-Dichloropropane

Concen: 20.144 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055239.D

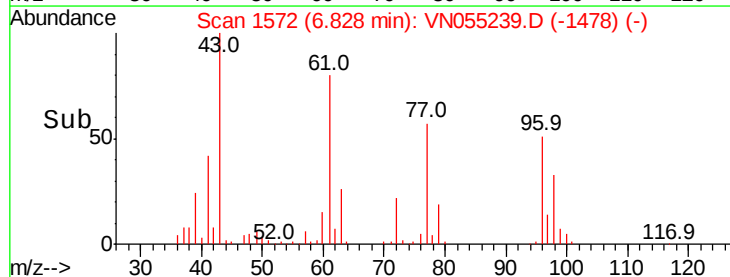
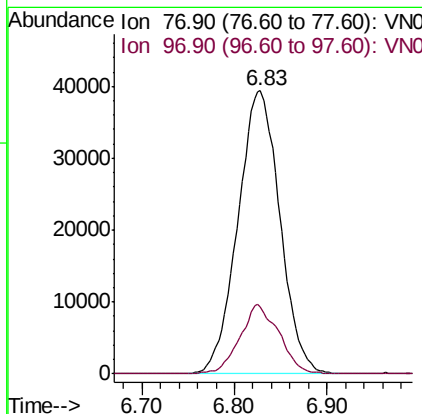
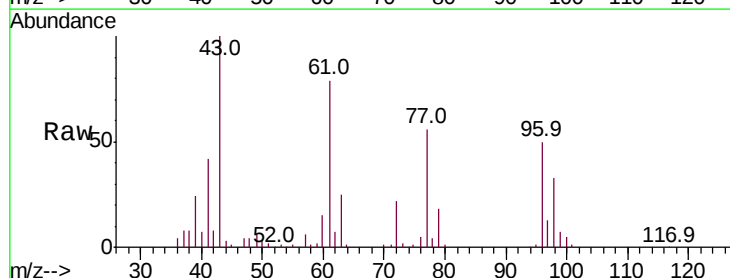
Acq: 25 Apr 2019 11:40

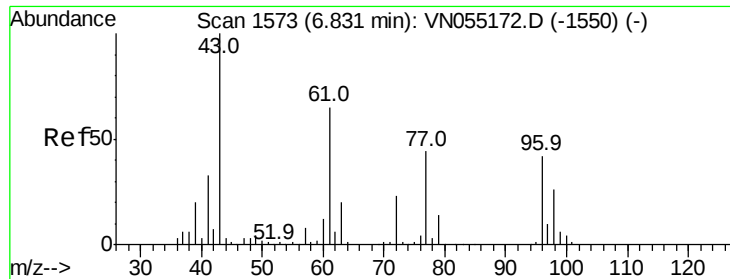
Tgt Ion: 77 Resp: 123657

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.183 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

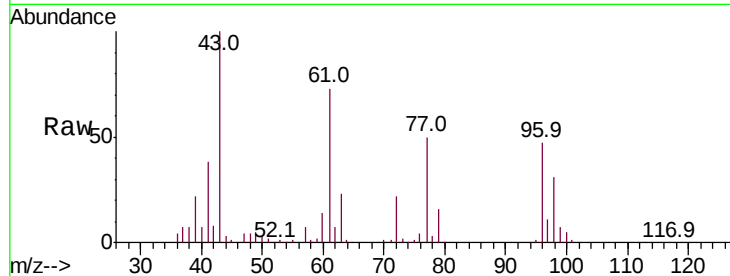
ClientSampleId :

VN0425WBSD01

Tot Ion:	96	Resp:	104414
Ion Ratio	Lower	Upper	
96	100		
61	157.3	0.0	310.8
98	63.3	0.0	127.4

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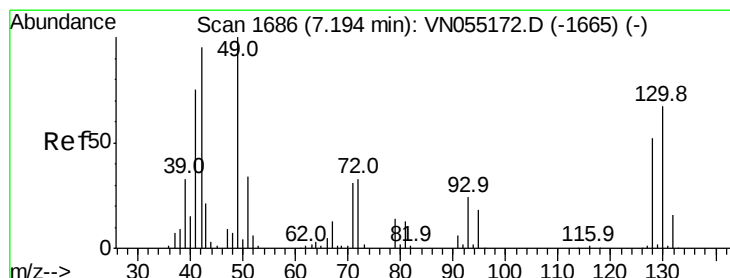
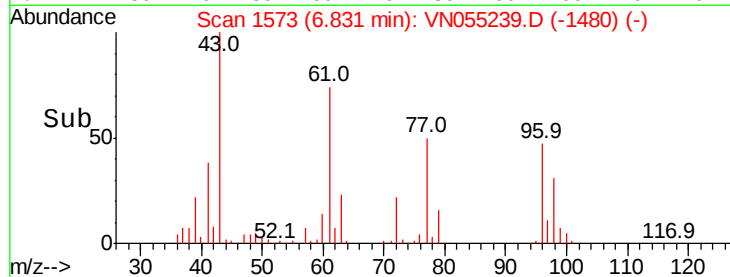
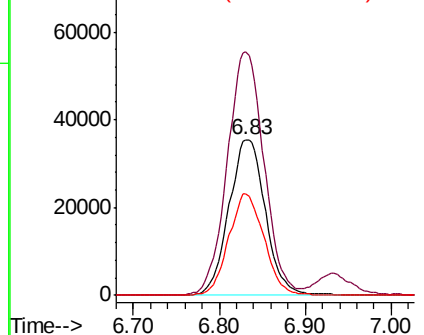
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.611 ug/l

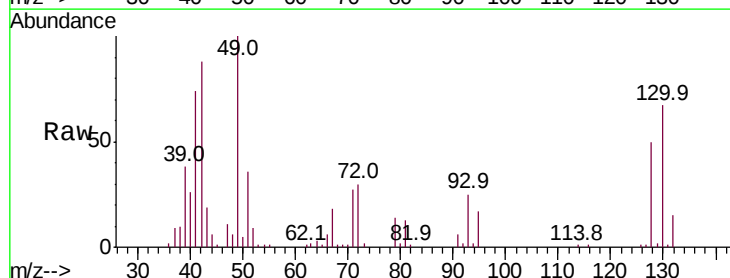
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

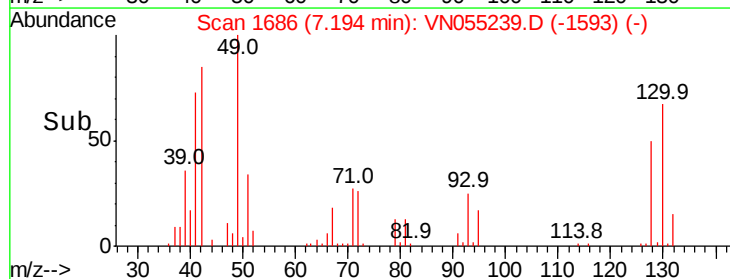
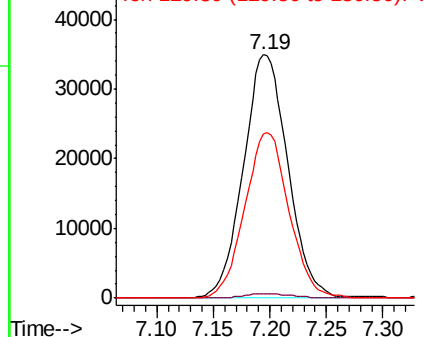
Tgt Ion:	49	Resp:	95308
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	67.6	53.4	80.2

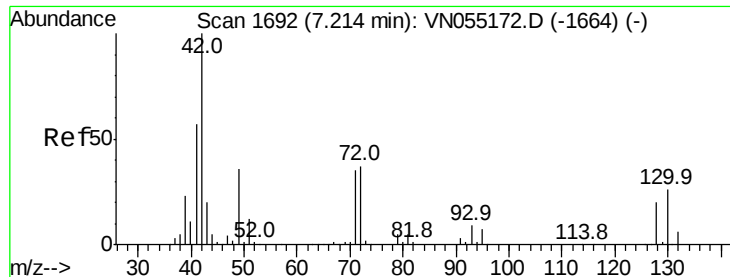


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





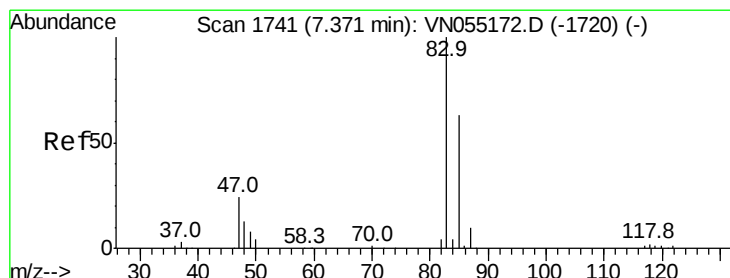
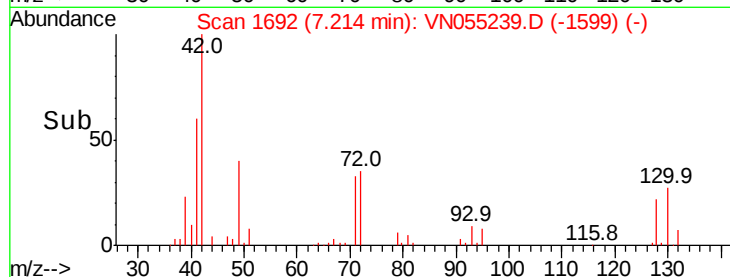
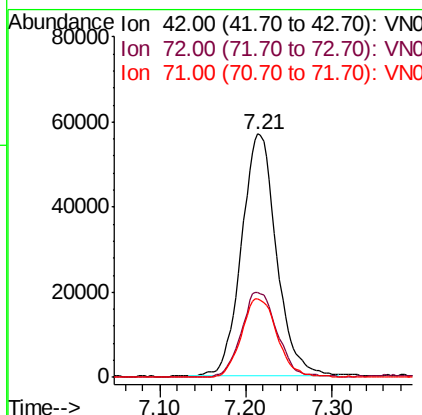
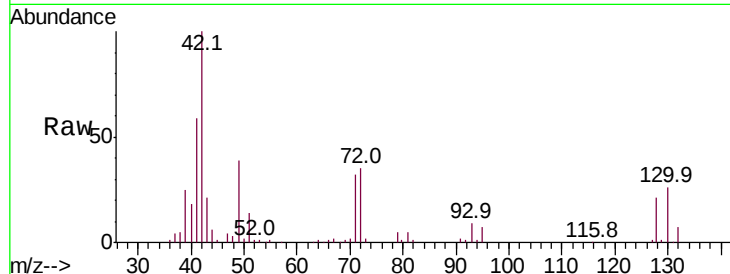
#29
Tetrahydrofuran
Concen: 109.053 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	29.4	44.2
71	33.3	27.8	41.8

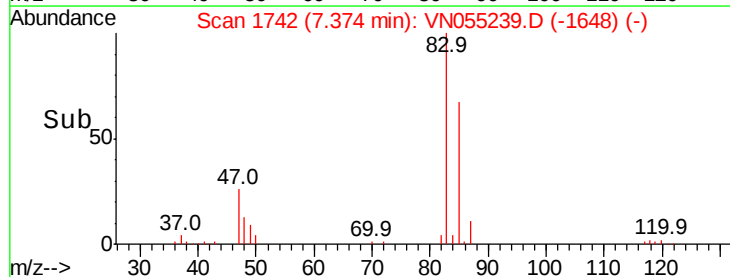
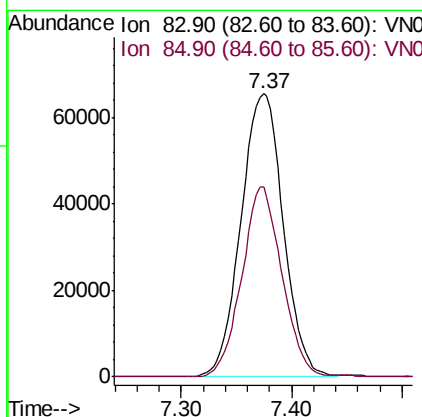
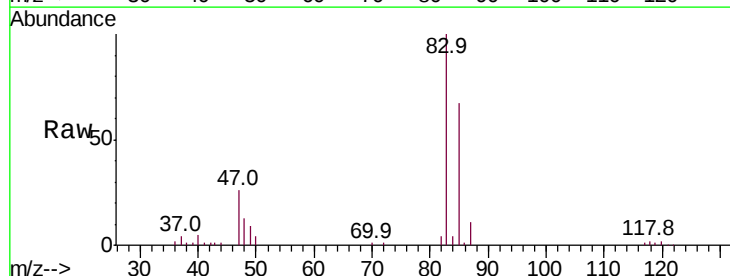
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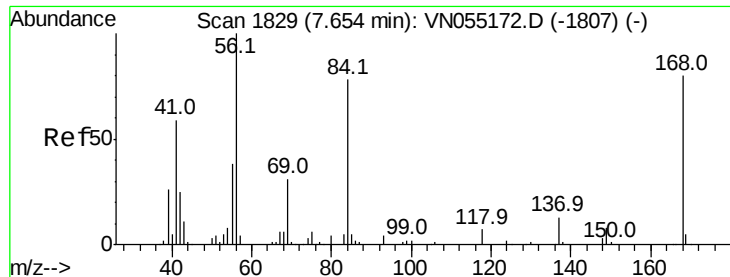
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#30
Chloroform
Concen: 20.174 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.6	76.0





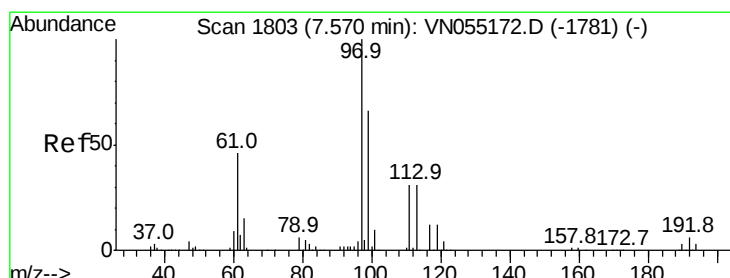
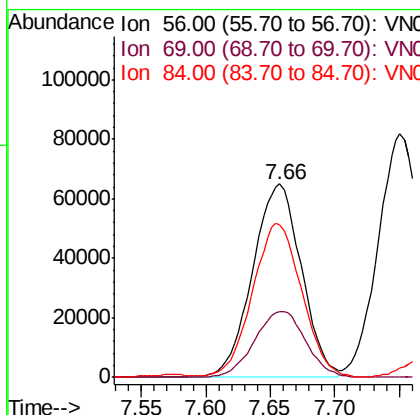
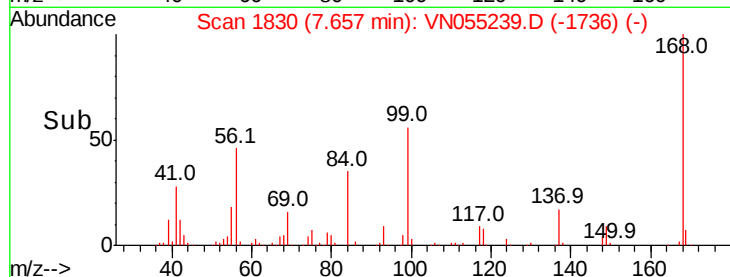
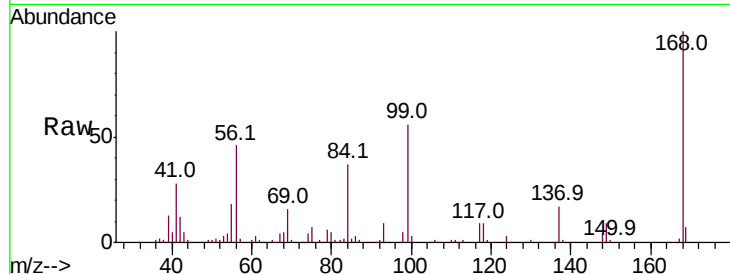
#31
Cyclohexane
Concen: 19.354 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	24.6	37.0
84	77.7	61.4	92.2

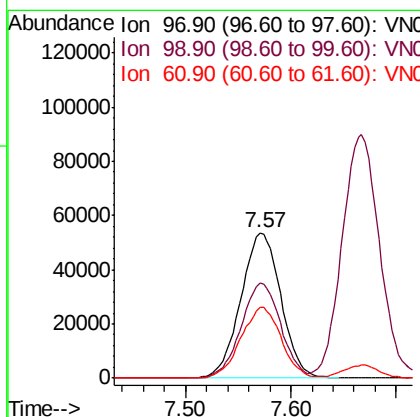
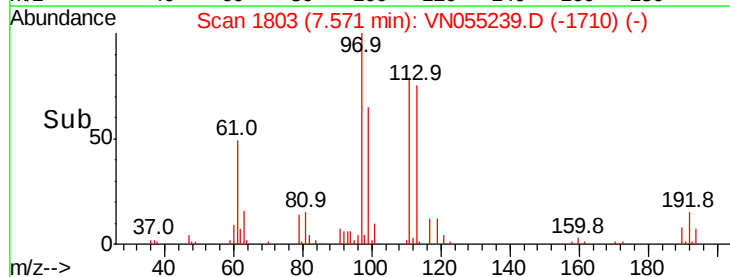
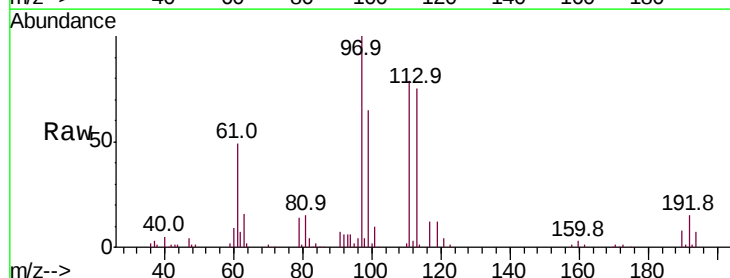
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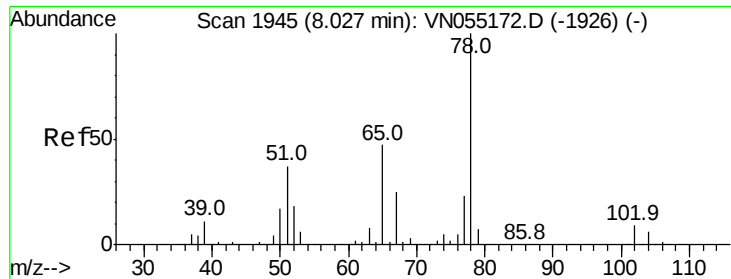
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#32
1,1,1-Trichloroethane
Concen: 20.440 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.1	76.7
61	49.0	38.3	57.5





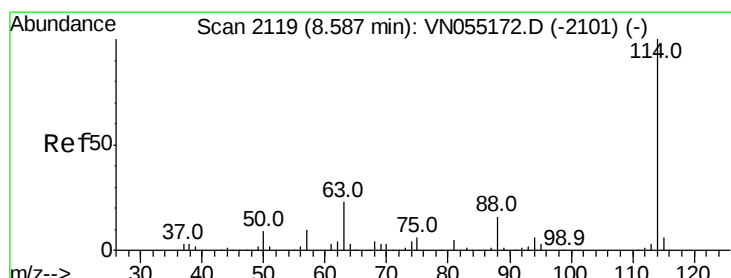
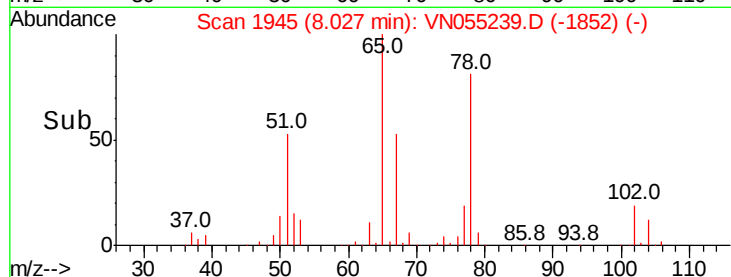
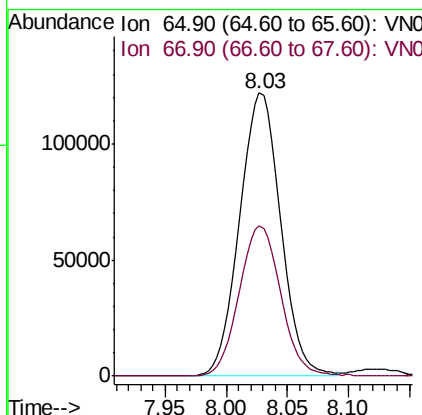
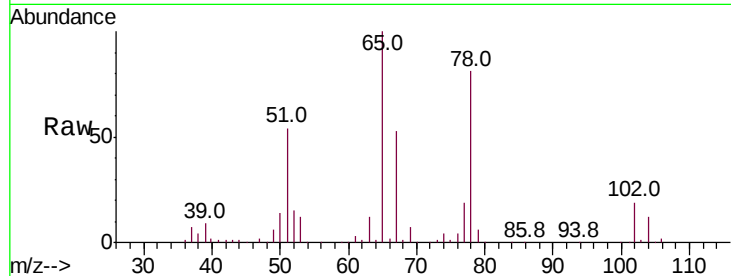
#33
 1,2-Dichloroethane-d4
 Concen: 50.561 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	108.6	

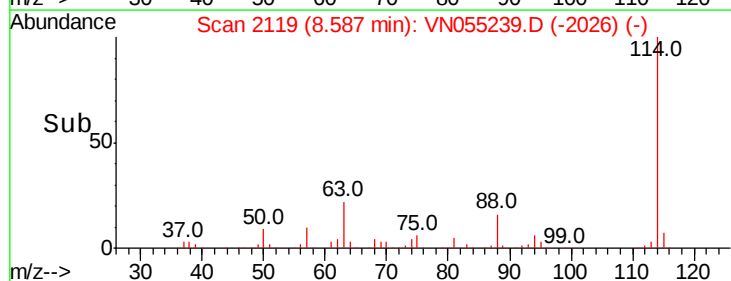
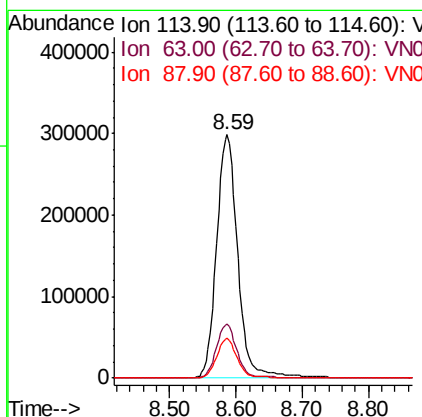
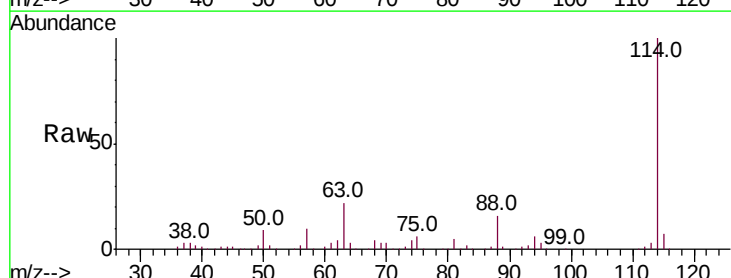
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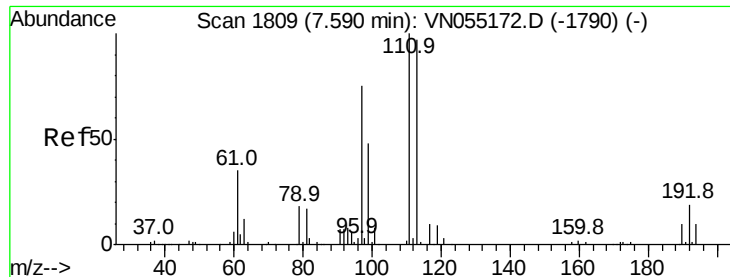
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	45.2	
88	16.2	0.0	32.8	





#35

Dibromofluoromethane

Concen: 49.532 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

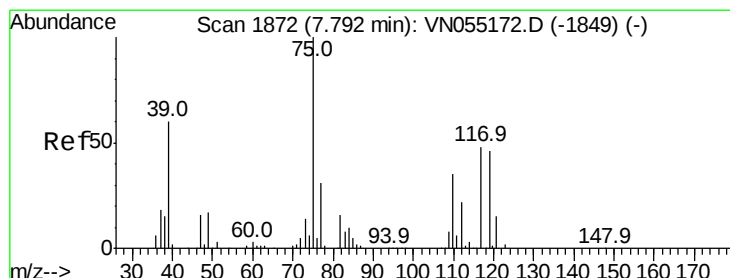
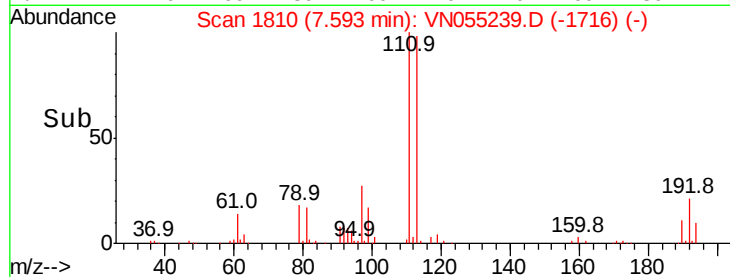
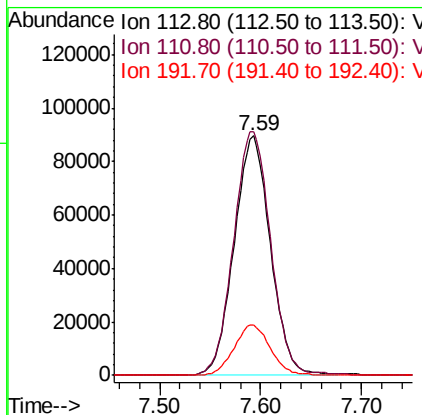
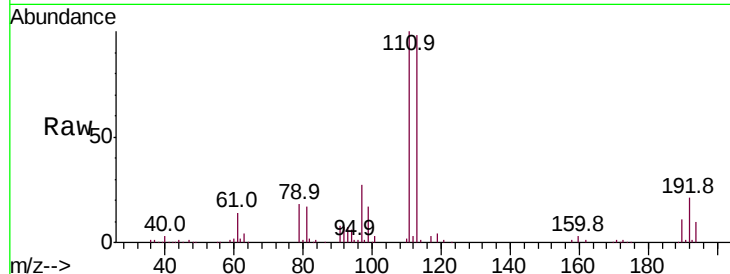
ClientSampleId :

VN0425WBSD01

Tot Ion:	113	Resp:	223607
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.0	121.4
192	21.0	16.2	24.4

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#36

1,1-Dichloropropene

Concen: 20.420 ug/l

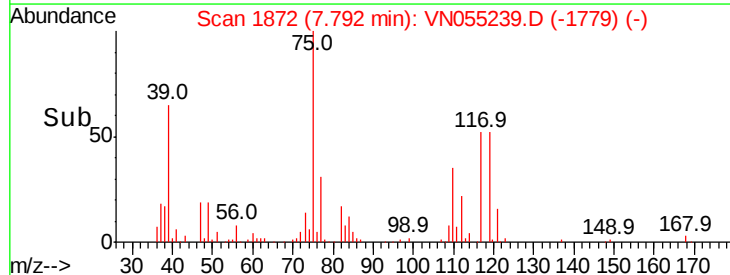
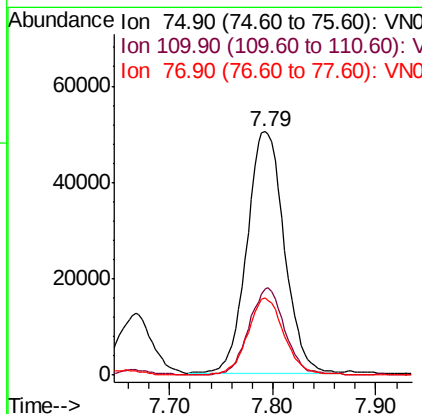
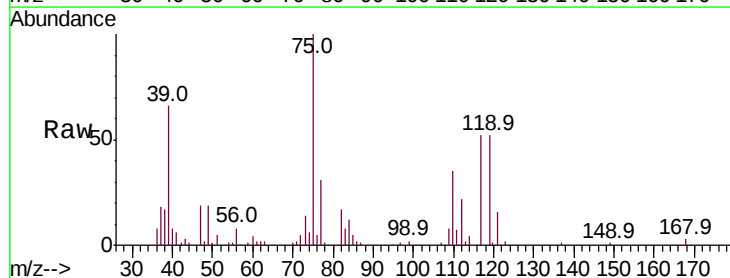
RT: 7.79 min Scan# 1872

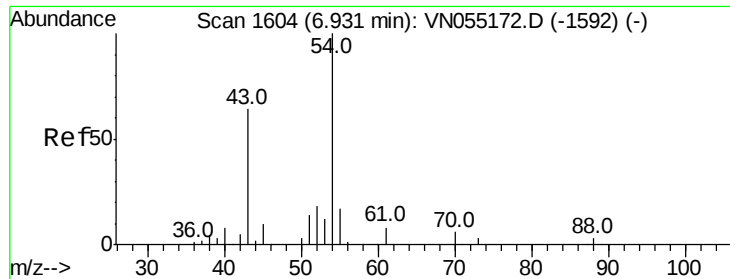
Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion:	75	Resp:	125949
Ion Ratio	Lower	Upper	
75	100		
110	34.9	17.1	51.2
77	31.2	24.6	36.8





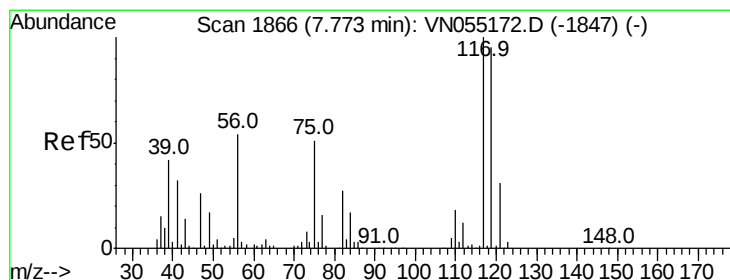
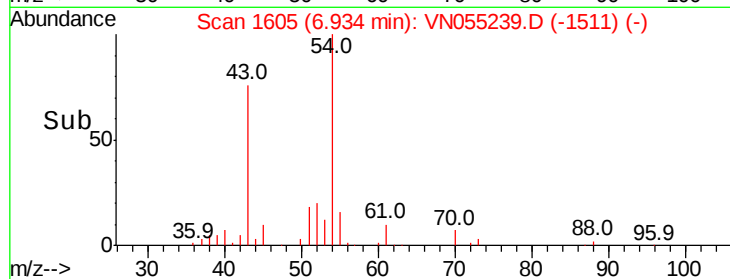
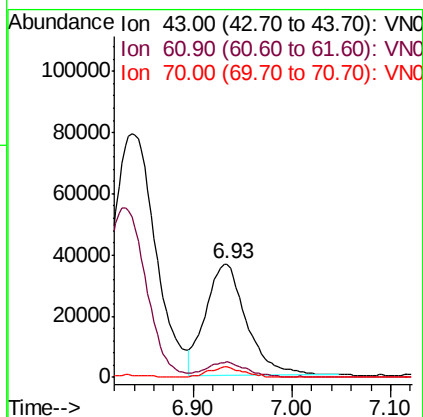
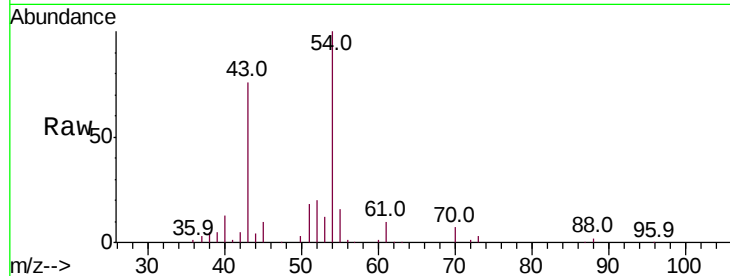
#37
Ethyl Acetate
Concen: 21.140 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	9.7	14.5
70	8.0	6.9	10.3

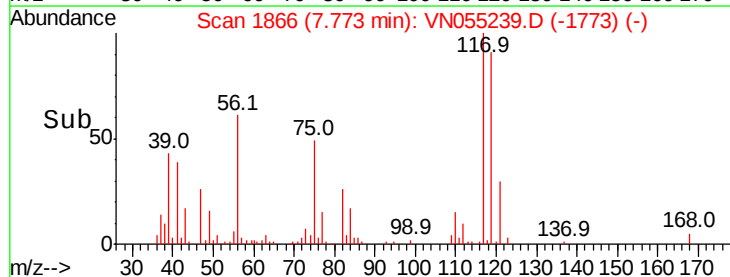
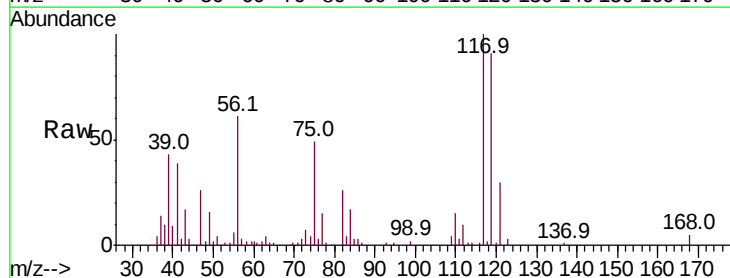
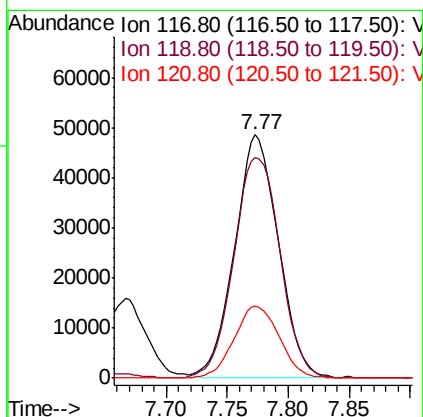
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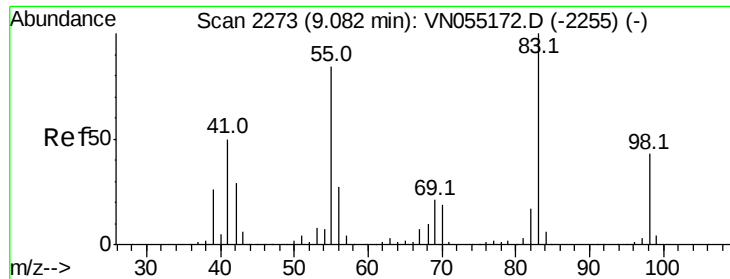
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#38
Carbon Tetrachloride
Concen: 20.945 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.7	76.0	114.0
121	29.6	24.6	36.8





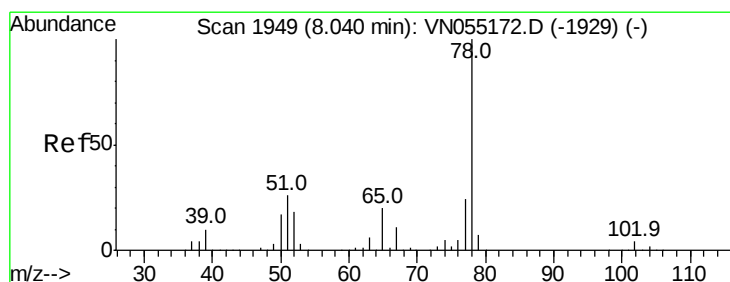
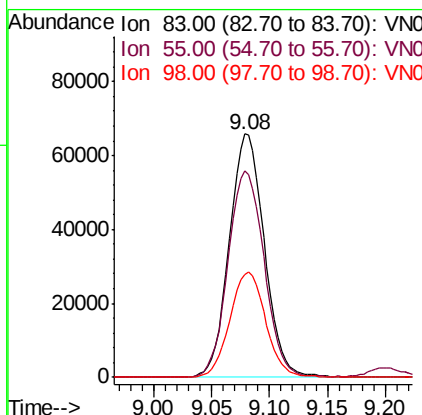
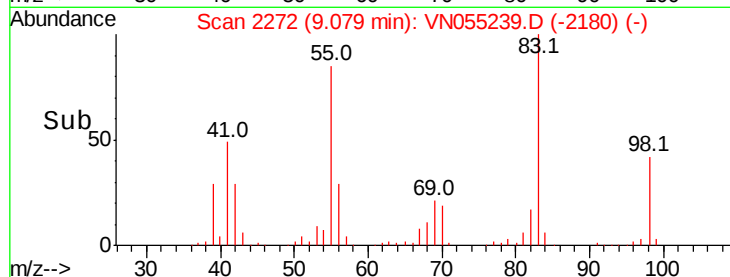
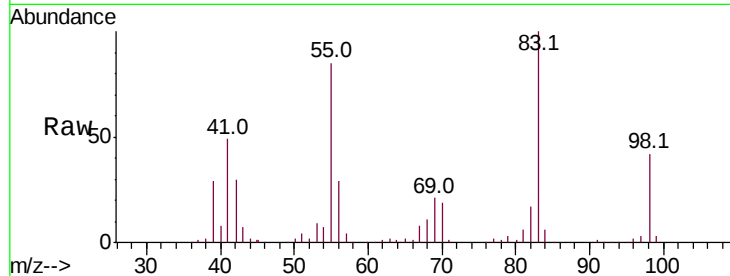
#39
Methvlcvclohexane
Concen: 18.766 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	83	Resp	138083
Ion Ratio	100	Lower	Upper
83	100		
55	85.0	67.4	101.0
98	42.4	34.7	52.1

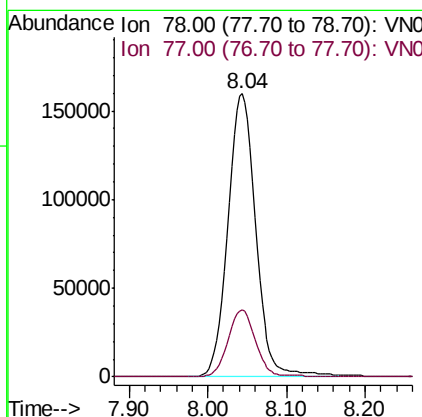
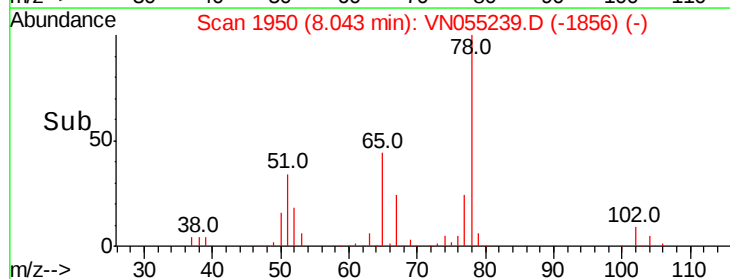
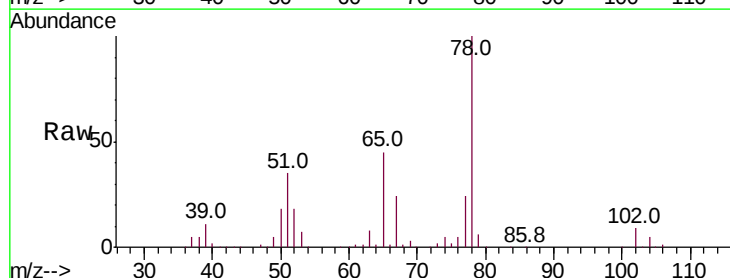
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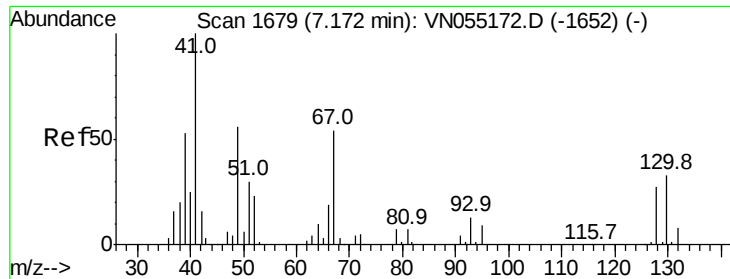
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#40
Benzene
Concen: 20.594 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	78	Resp	392093
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	19.5	29.3





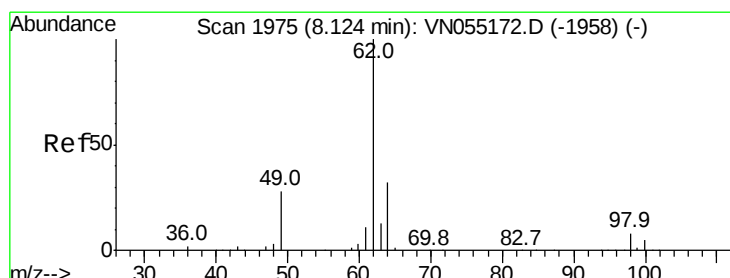
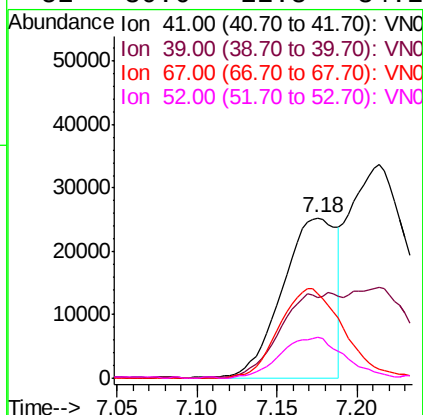
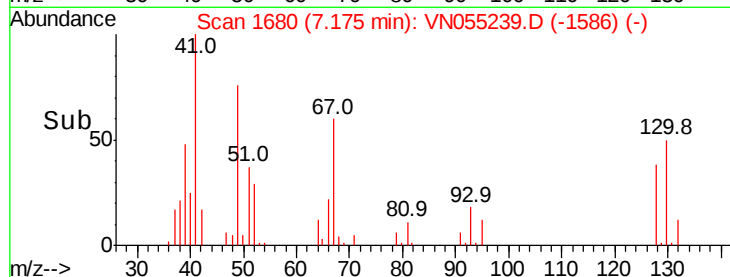
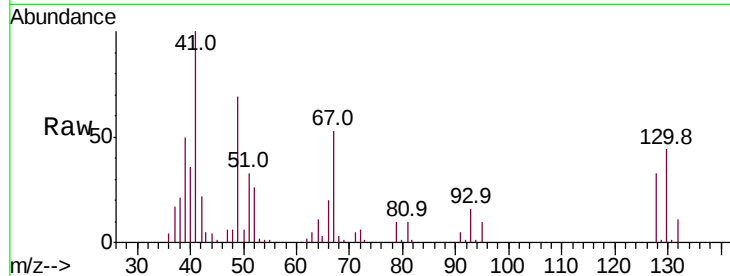
#41
Methacrylonitrile
Concen: 22.931 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	38.1	45.4	68.0#
67	67.1	54.6	81.8
52	30.6	22.8	34.2

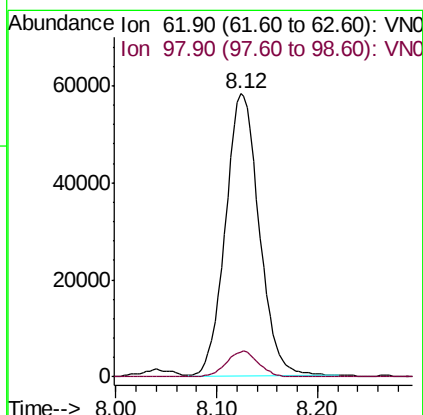
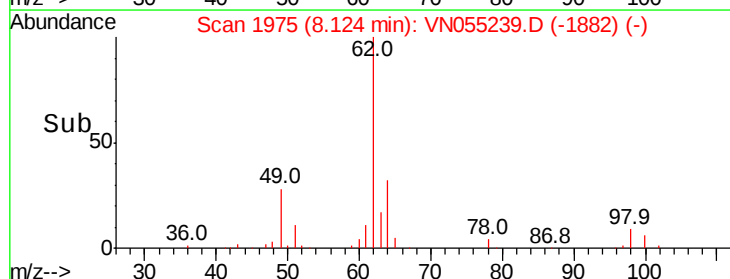
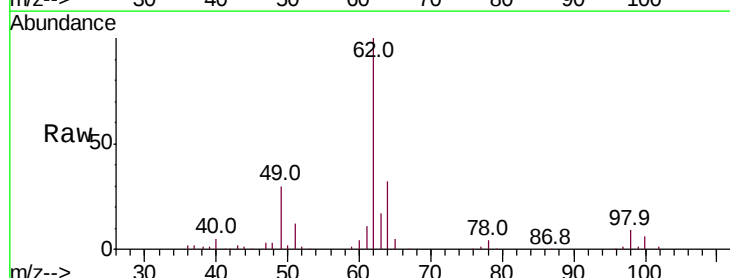
Manual Integrations
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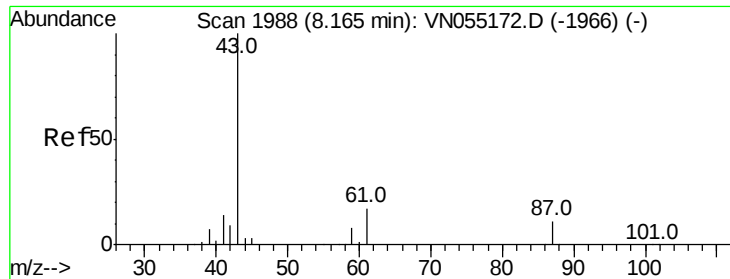
MMDadoda
4/26/2019 10:59:04 AM



#42
1,2-Dichloroethane
Concen: 20.400 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





#43

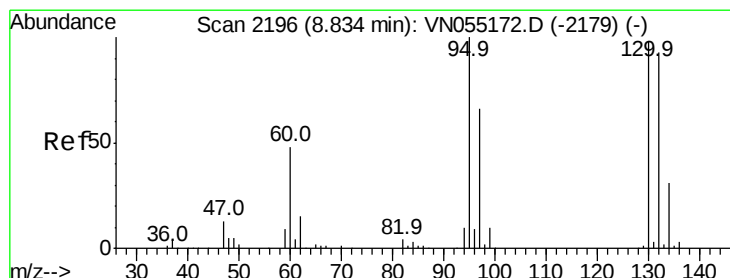
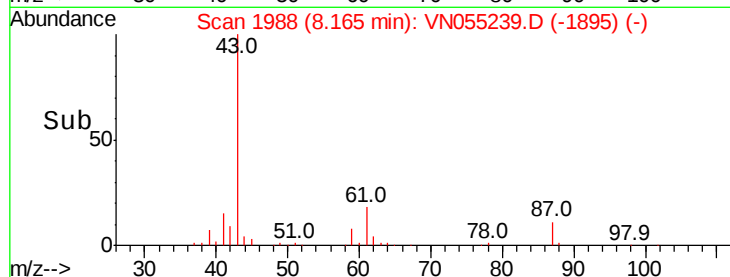
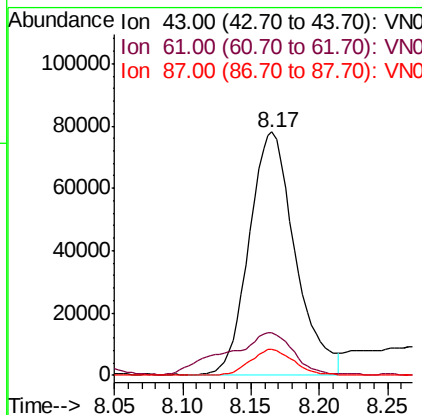
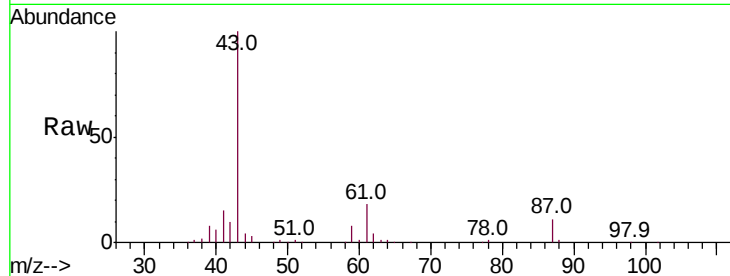
Isopropyl Acetate
 Concen: 22.548 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Tot Ion	43	61	87
Ion	100	25.0	10.2
Ratio			
Lower		20.6	8.8
Upper		30.8	13.2

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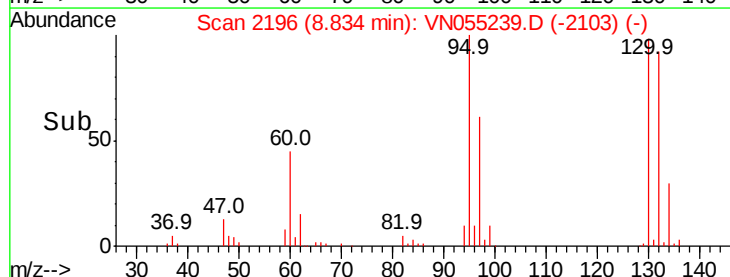
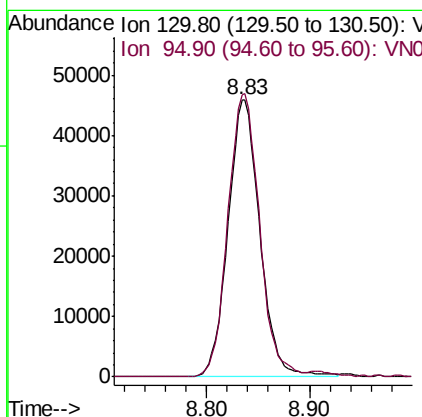
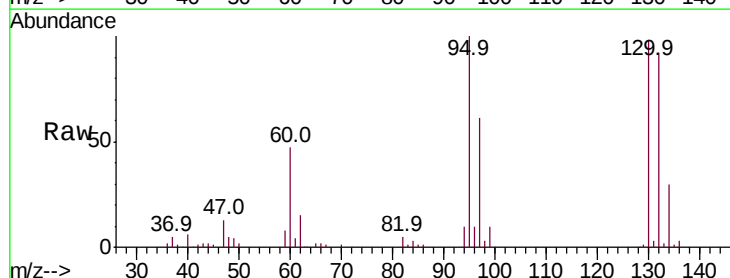
MMDadoda
 4/26/2019 10:59:04 AM

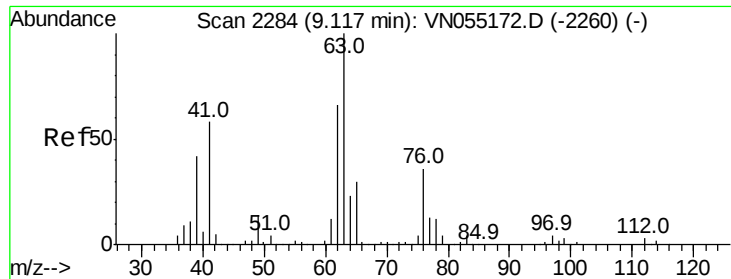


#44

Trichloroethene
 Concen: 20.501 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion	130	95
Ion	100	102.0
Ratio		
Lower		0.0
Upper		203.6





#45

1,2-Dichloropropane

Concen: 19.978 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion: 63 Resp: 107373

Ion Ratio Lower Upper

63 100

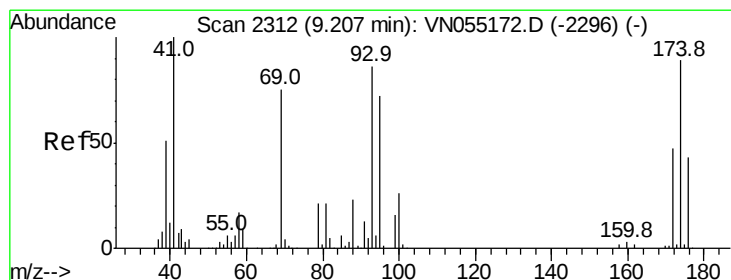
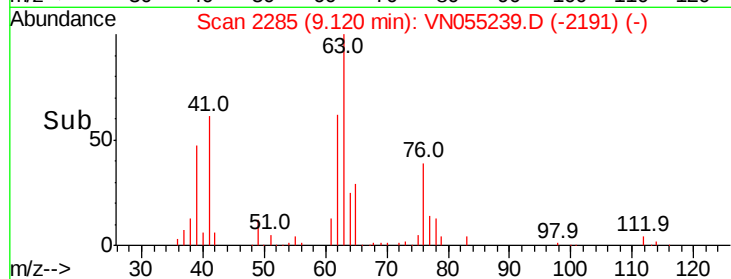
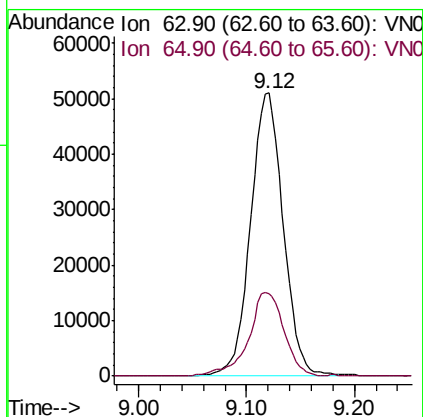
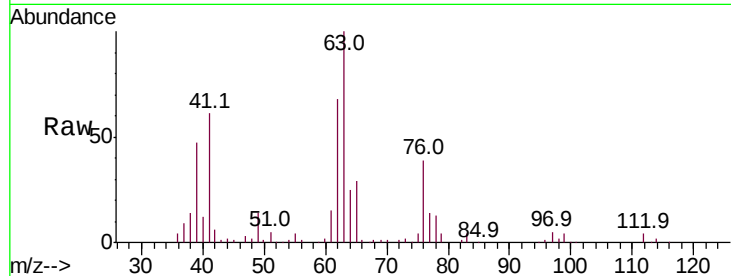
65 29.2 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 20.516 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

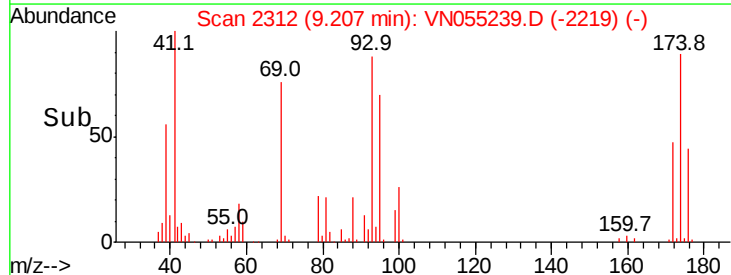
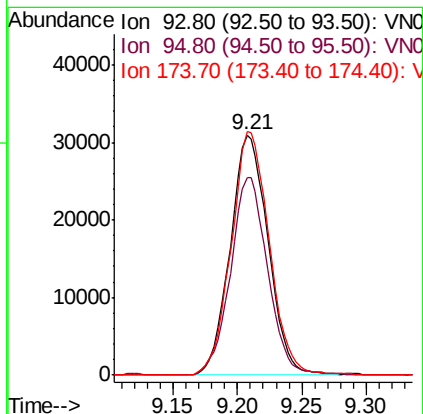
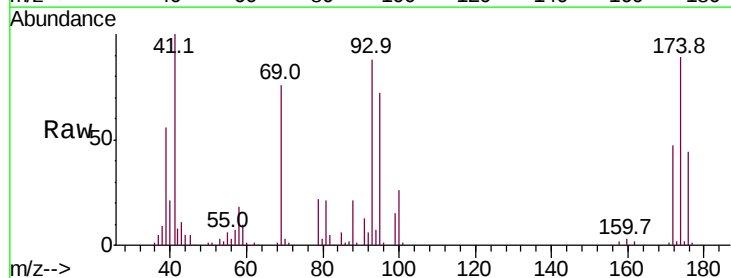
Tgt Ion: 93 Resp: 63120

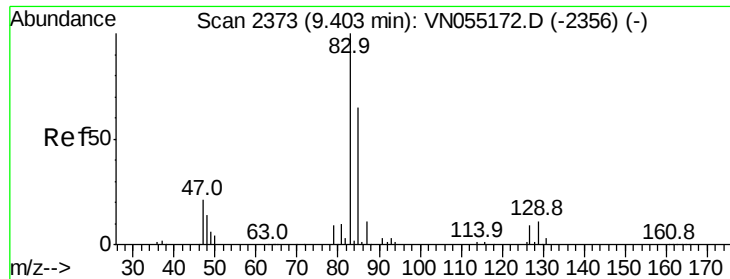
Ion Ratio Lower Upper

93 100

95 80.9 67.6 101.4

174 101.9 83.4 125.2





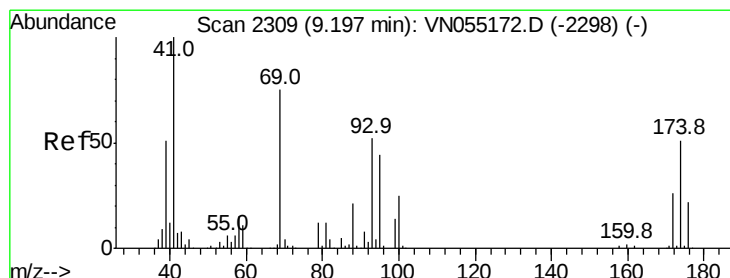
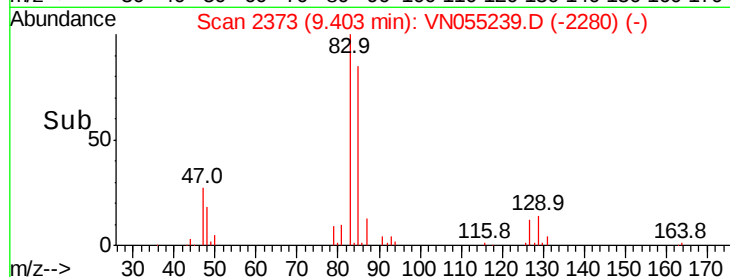
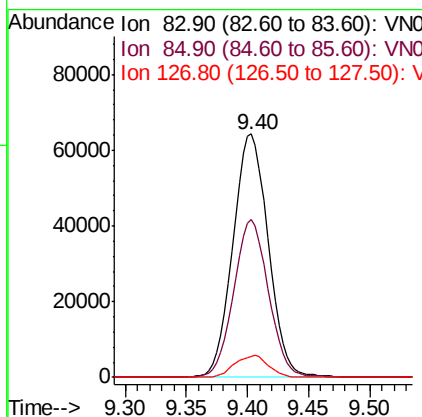
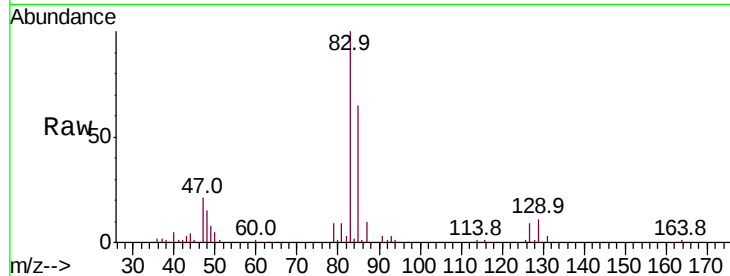
#47
Bromodichloromethane
Concen: 20.968 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129145		
85	64.6	52.1	78.1	
127	8.8	6.9	10.3	

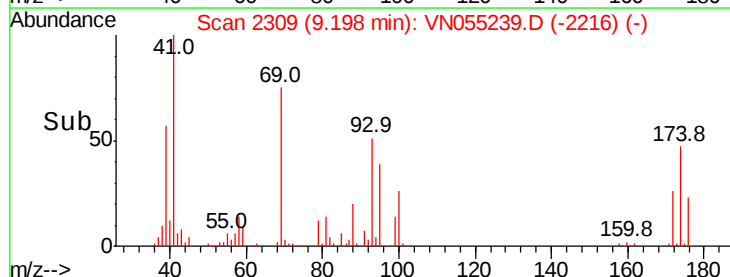
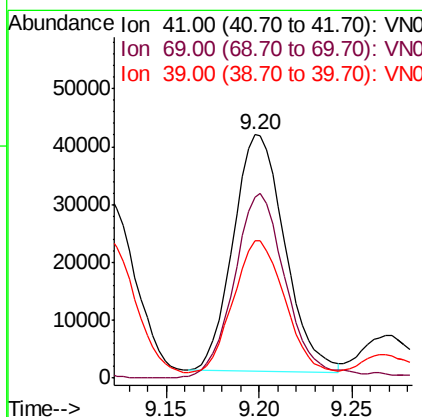
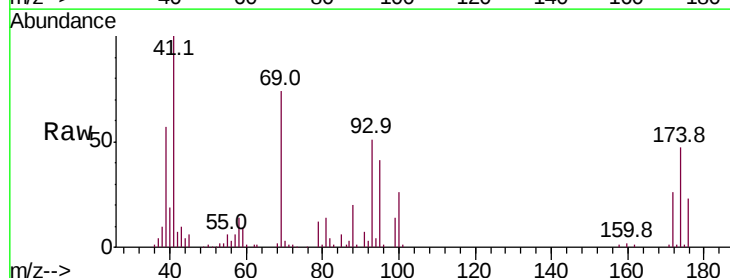
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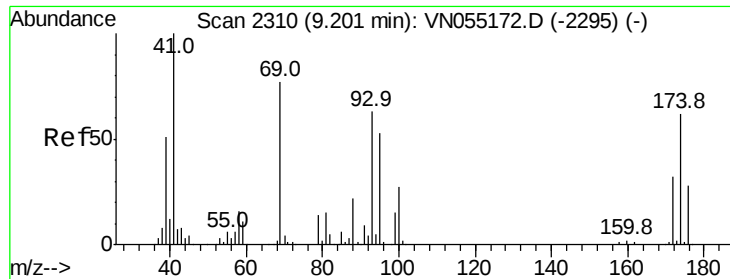
MMdadoda
4/26/2019 10:59:04 AM



#48
Methyl methacrylate
Concen: 20.209 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	79014		
69	78.4	63.6	95.4	
39	59.0	43.8	65.8	





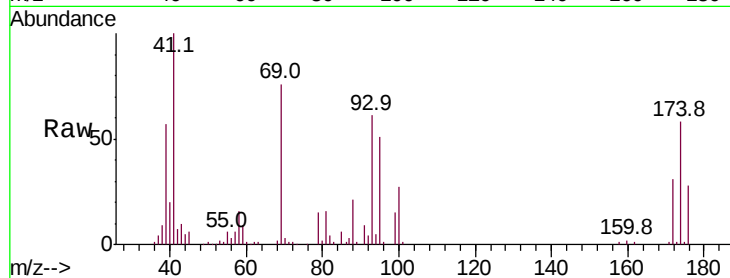
#49
1,4-Dioxane
Concen: 407.683 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

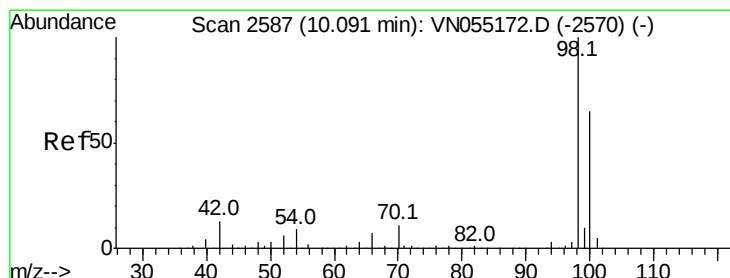
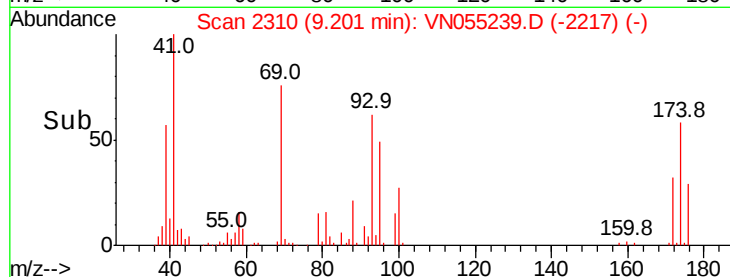
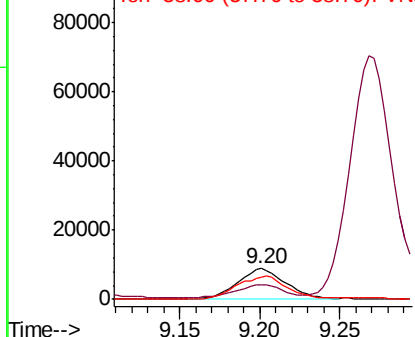
Tot Ion	88	Resp	18408
Ion	Ratio	Lower	Upper
88	100		
43	40.1	32.0	48.0
58	78.4	60.4	90.6

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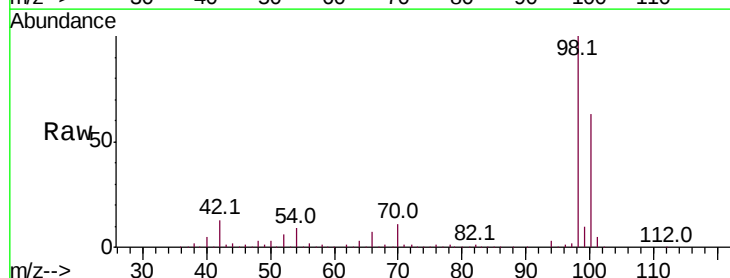


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

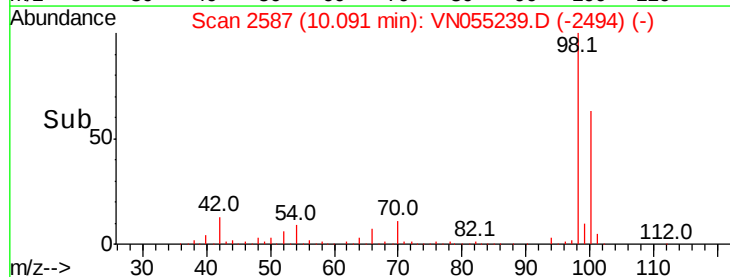
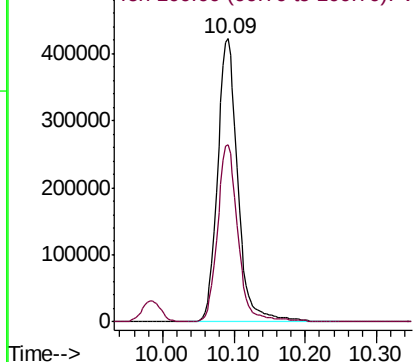


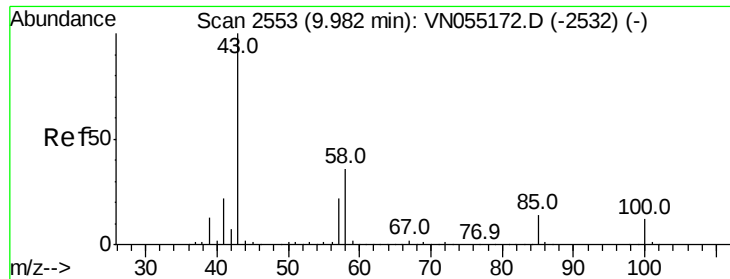
#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	98	Resp	829317
Ion	Ratio	Lower	Upper
98	100		
100	63.3	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: 107.246 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion: 43 Resp: 497427

Ion Ratio Lower Upper

43 100

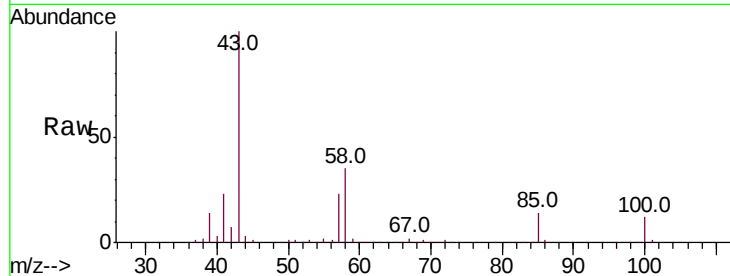
58 34.7 28.3 42.5

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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

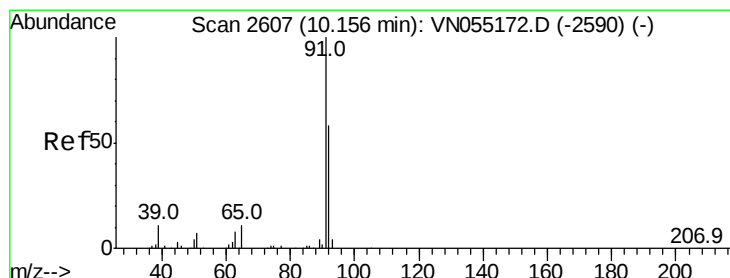
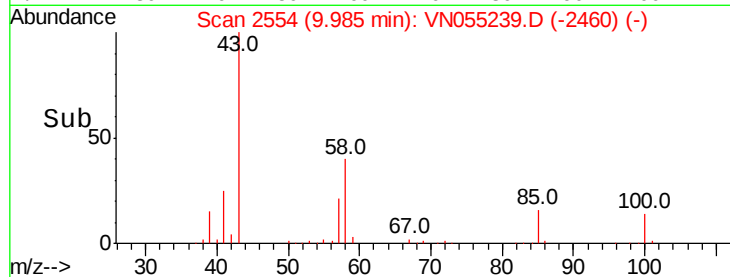
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.359 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055239.D

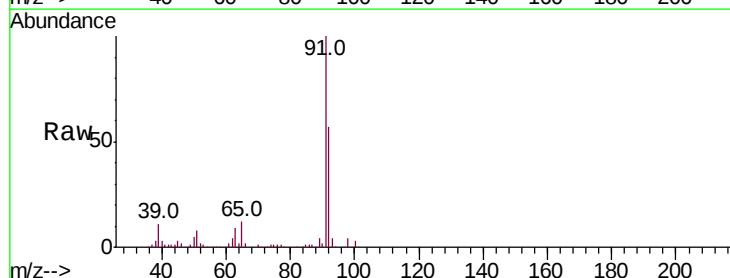
Acq: 25 Apr 2019 11:40

Tgt Ion: 92 Resp: 227239

Ion Ratio Lower Upper

92 100

91 176.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

200000

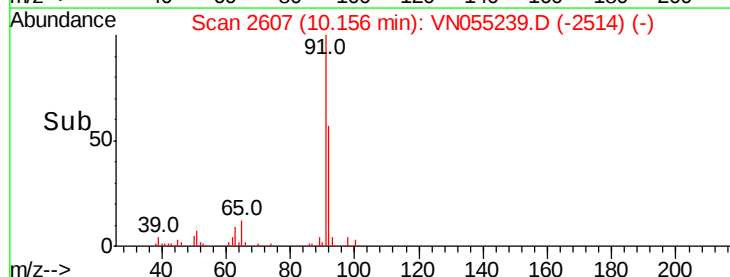
150000

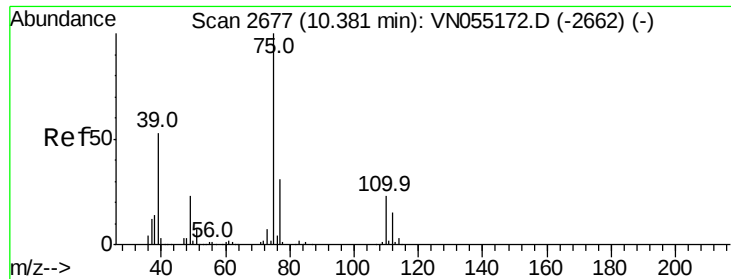
100000

50000

0

Time-->





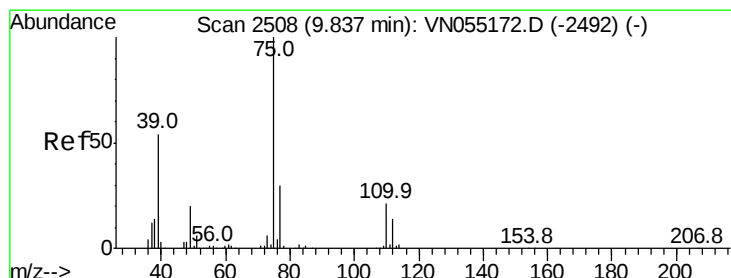
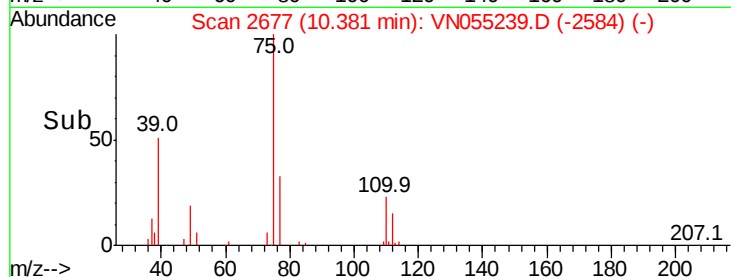
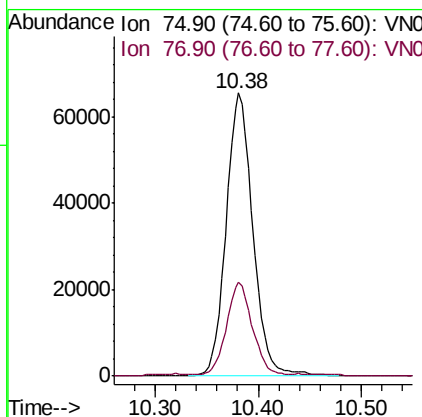
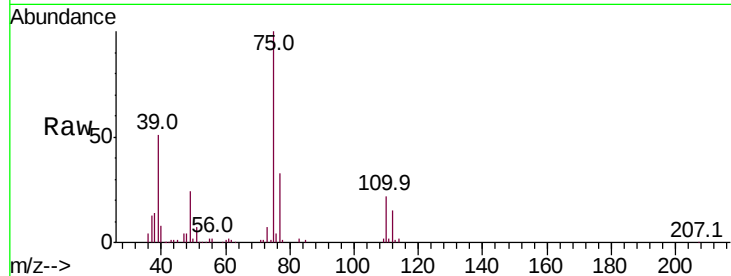
#53
 t-1,3-Dichloropropene
 Concen: 21.002 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0425WBSD01

Tot Ion: 75 Resp: 118709
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.1 37.7

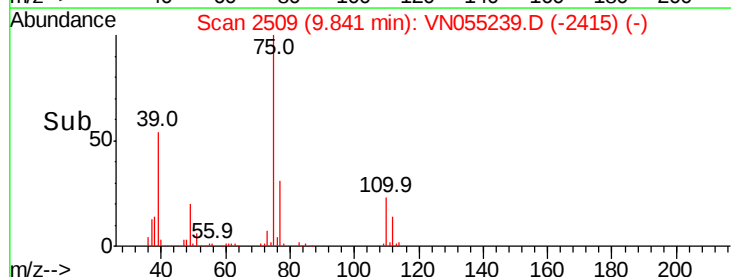
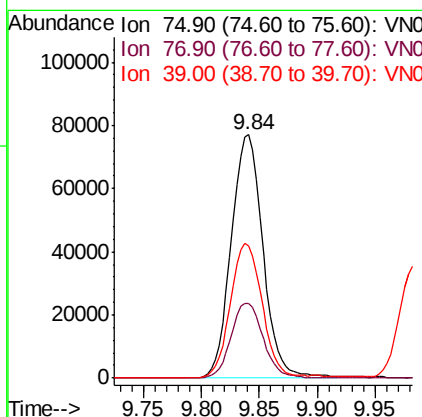
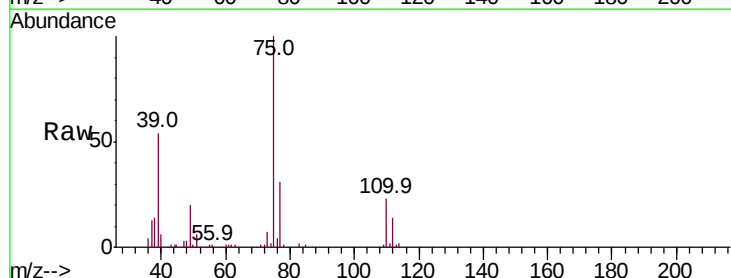
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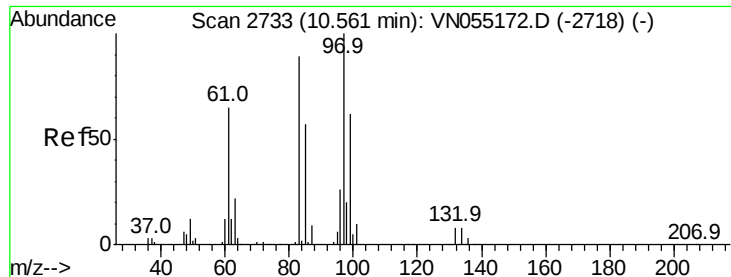
MMDadoda
 4/26/2019 10:59:04 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.895 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion: 75 Resp: 146561
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.3 36.5
 39 54.1 43.0 64.4





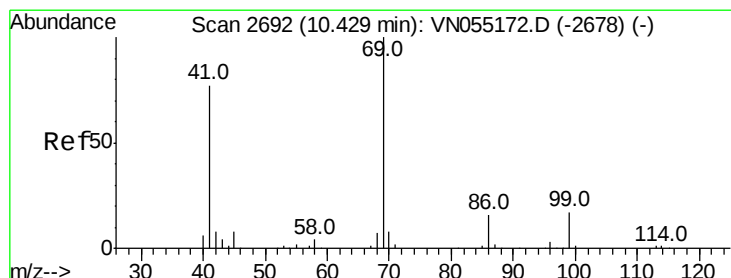
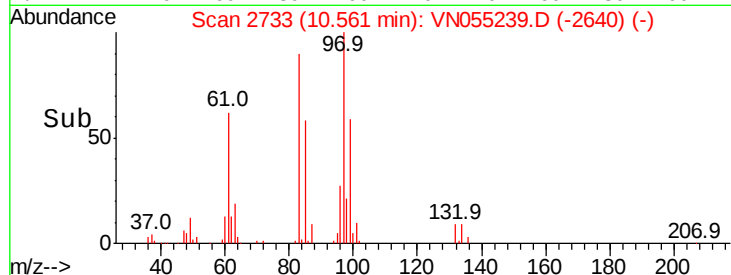
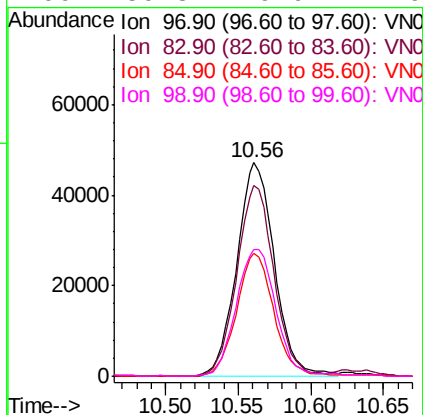
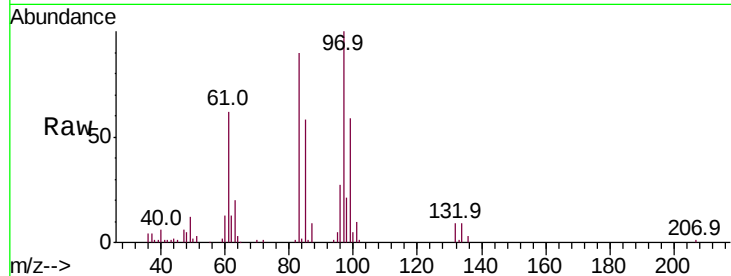
#55
 1,1,2-Trichloroethane
 Concen: 20.700 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Tot Ion:	97	Resp:	85180
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.5	107.3
85	57.8	45.8	68.6
99	59.3	49.9	74.9

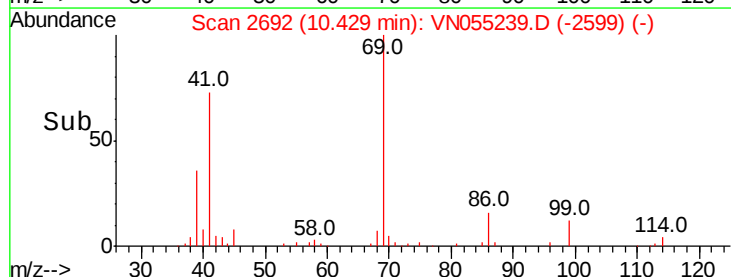
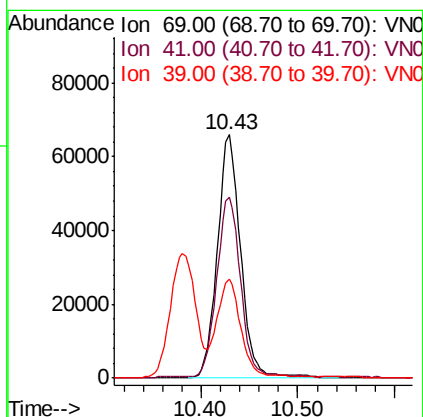
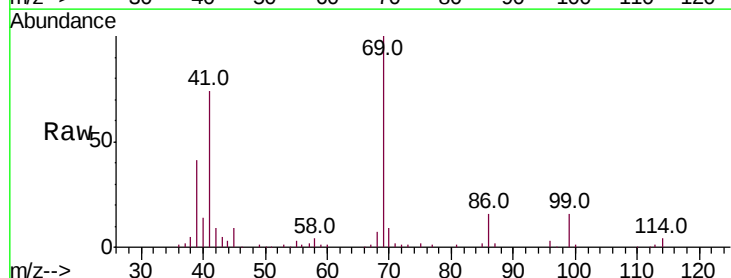
Manual Integrations
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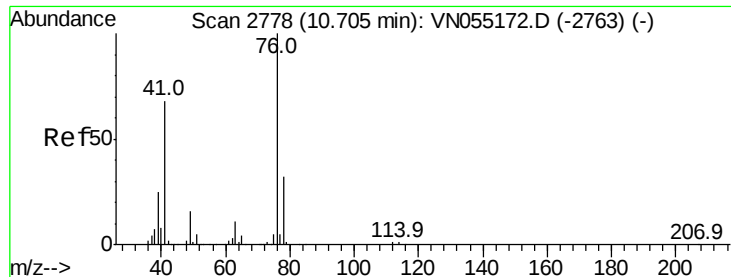
MMDadoda
 4/26/2019 10:59:04 AM



#56
 Ethyl methacrylate
 Concen: 21.564 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion:	69	Resp:	110540
Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.6	90.8
39	41.2	31.7	47.5





#57

1,3-Dichloropropane

Concen: 20.962 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion: 76 Resp: 150076

Ion Ratio Lower Upper

76 100

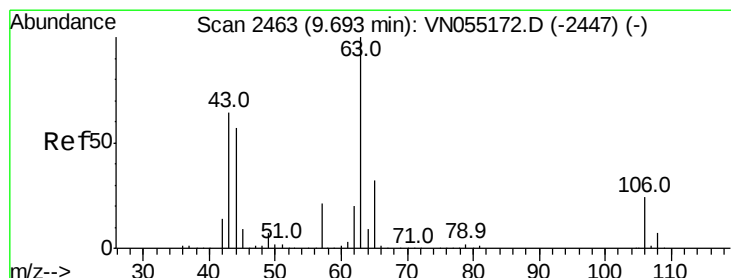
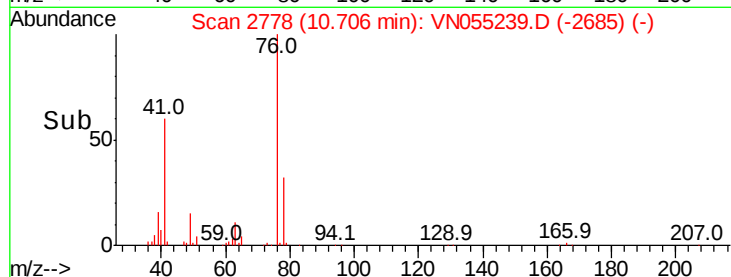
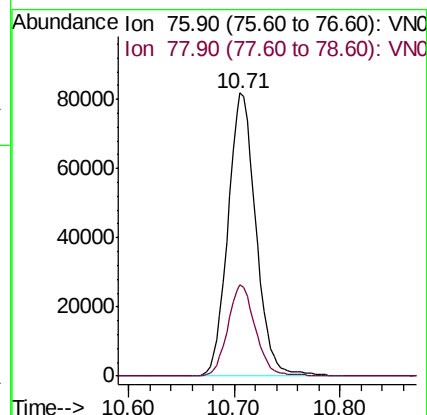
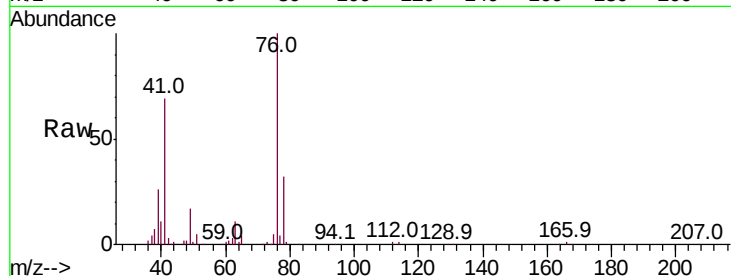
78 32.0 25.3 37.9

Manual Integrations

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MMDadoda

4/26/2019 10:59:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 83.014 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055239.D

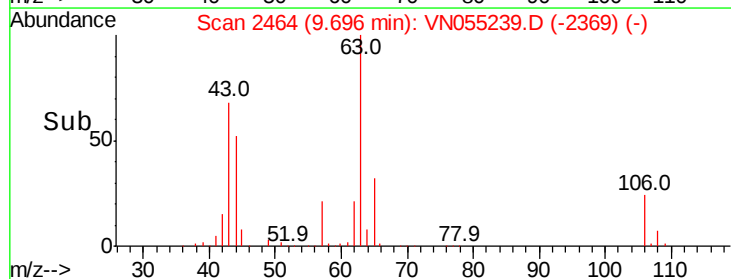
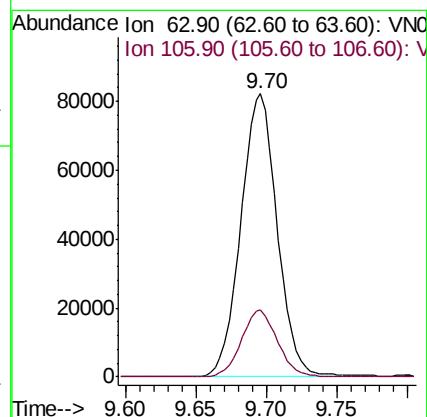
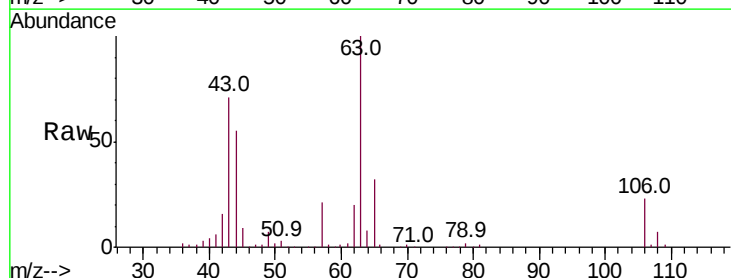
Acq: 25 Apr 2019 11:40

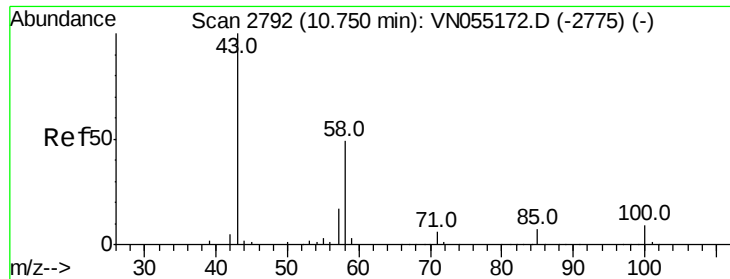
Tgt Ion: 63 Resp: 148385

Ion Ratio Lower Upper

63 100

106 23.5 19.4 29.0





#59

2-Hexanone

Concen: 104.460 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion: 43 Resp: 306037

Ion Ratio Lower Upper

43 100

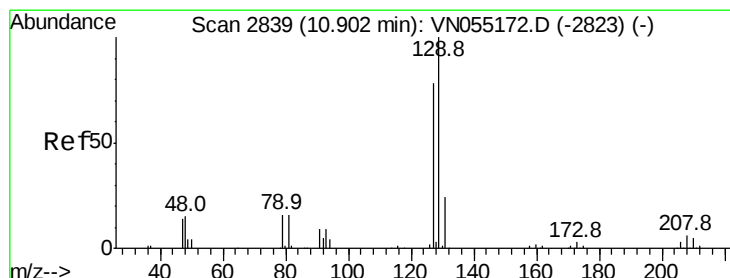
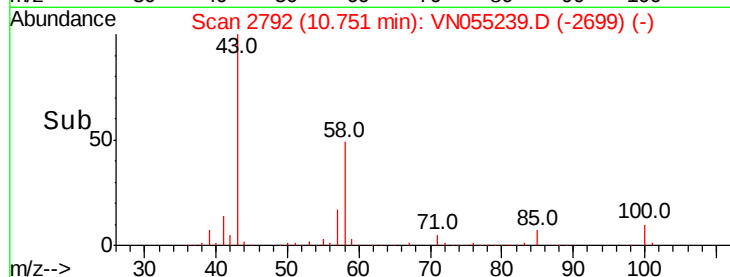
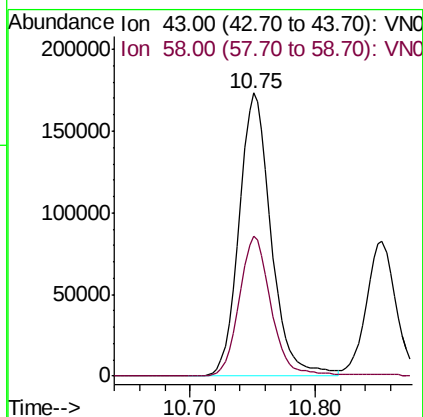
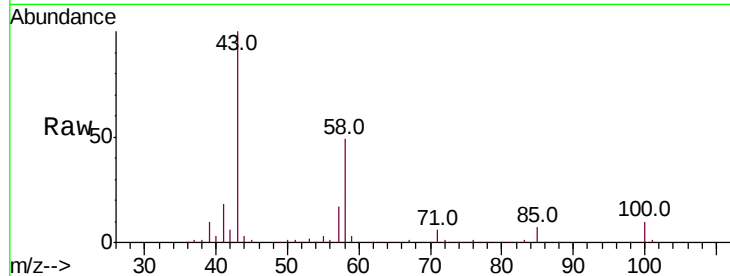
58 49.4 24.5 73.5

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#60

Dibromochloromethane

Concen: 20.615 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055239.D

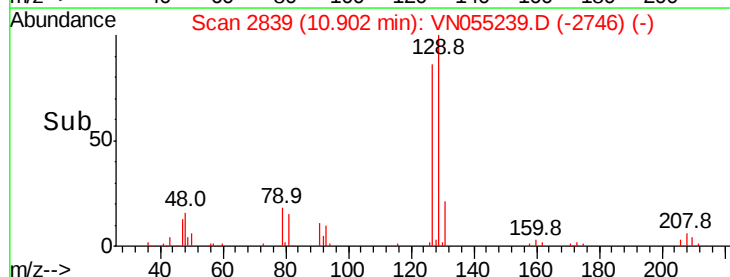
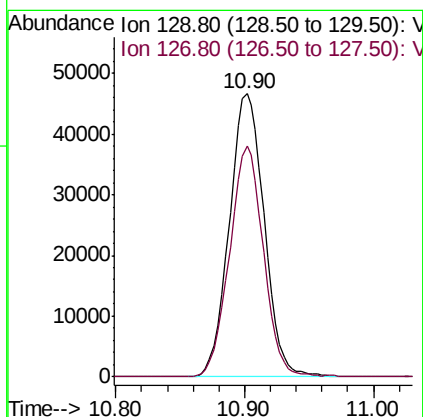
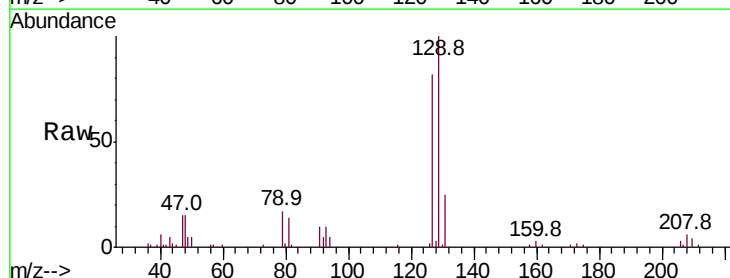
Acq: 25 Apr 2019 11:40

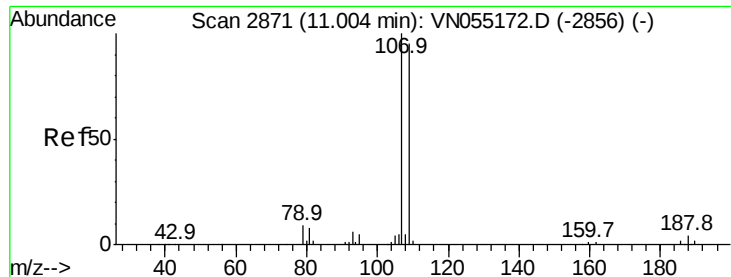
Tgt Ion: 129 Resp: 87375

Ion Ratio Lower Upper

129 100

127 79.1 39.0 117.0





#61

1,2-Dibromoethane

Concen: 21.078 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion:107 Resp: 81550

Ion Ratio Lower Upper

107 100

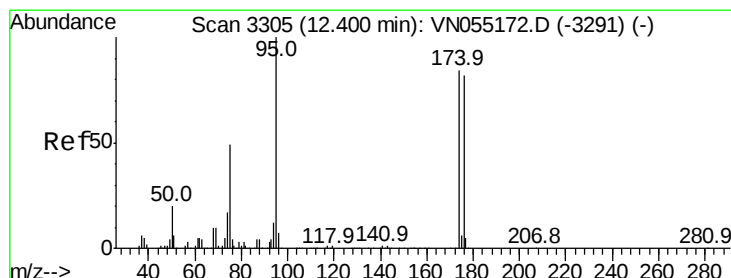
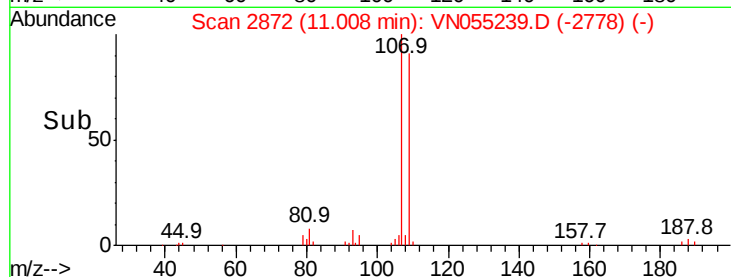
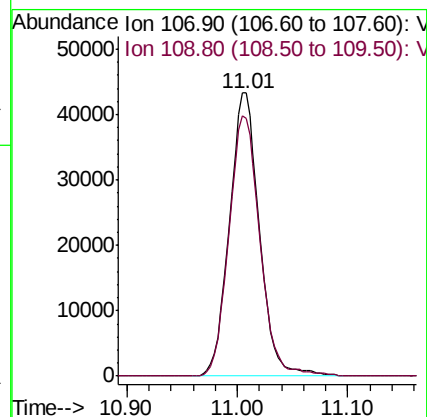
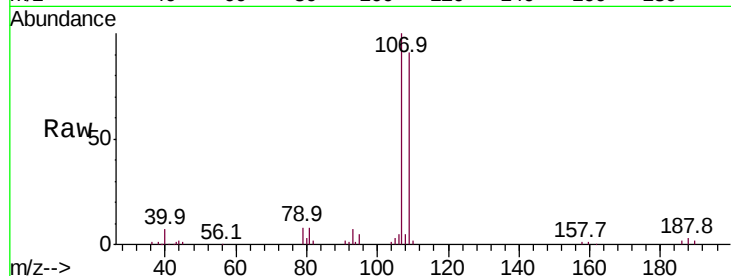
109 95.1 75.8 113.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.782 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

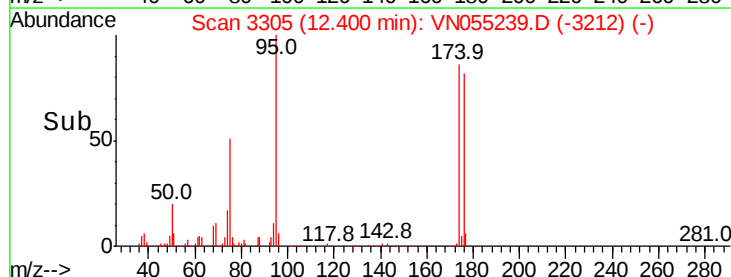
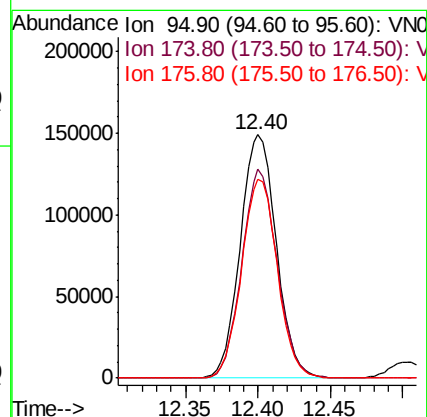
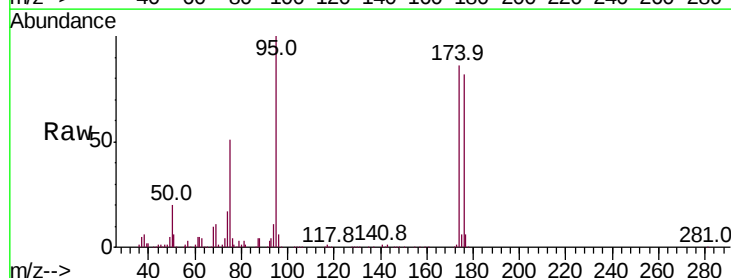
Tgt Ion: 95 Resp: 258390

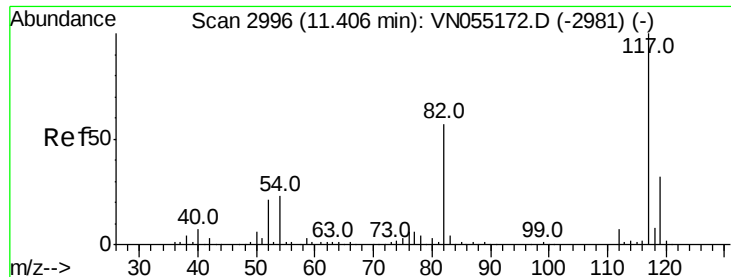
Ion Ratio Lower Upper

95 100

174 83.9 0.0 168.4

176 81.3 0.0 164.0





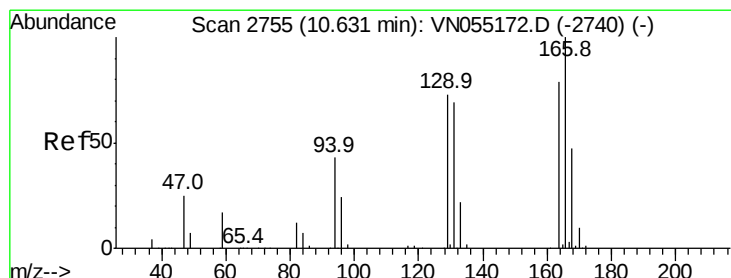
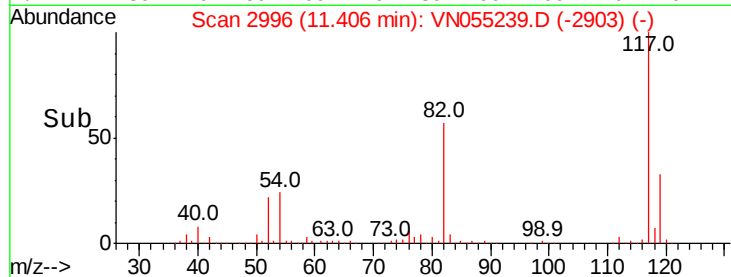
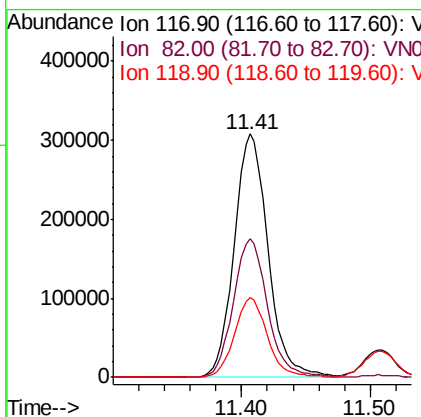
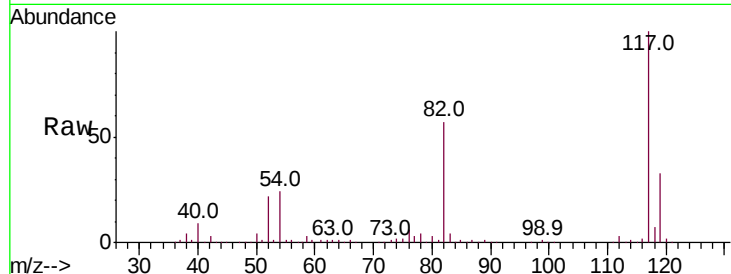
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.7	68.5
119	32.9	25.4	38.2

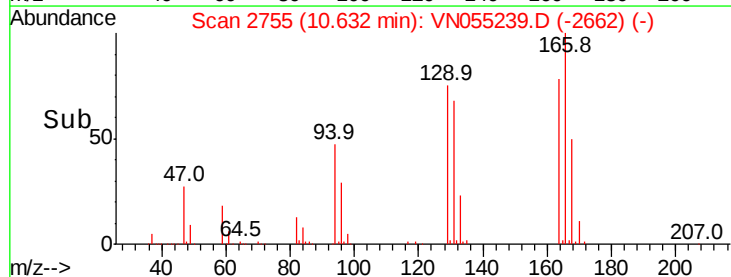
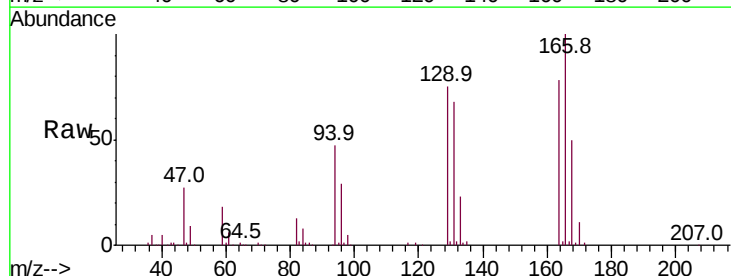
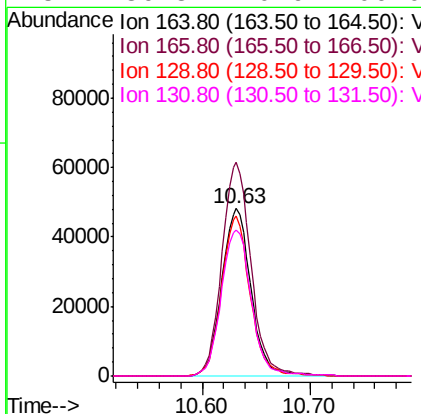
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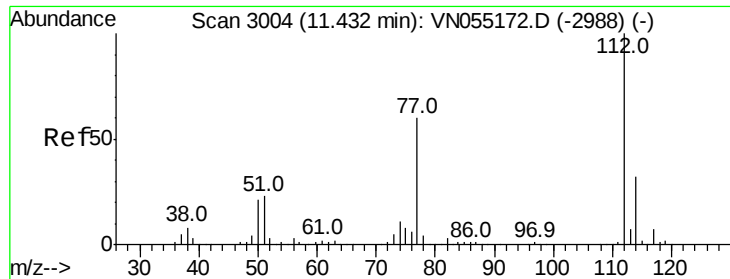
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#64
Tetrachloroethene
Concen: 19.860 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.9	152.9
129	95.6	74.1	111.1
131	86.8	70.6	106.0





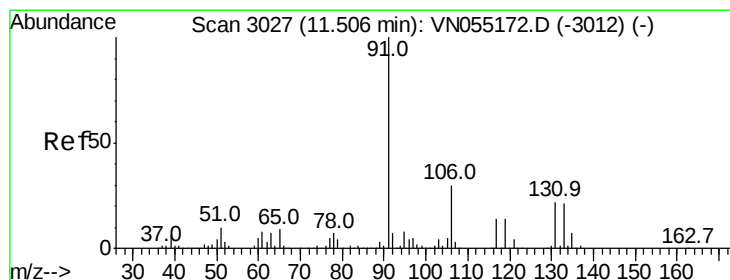
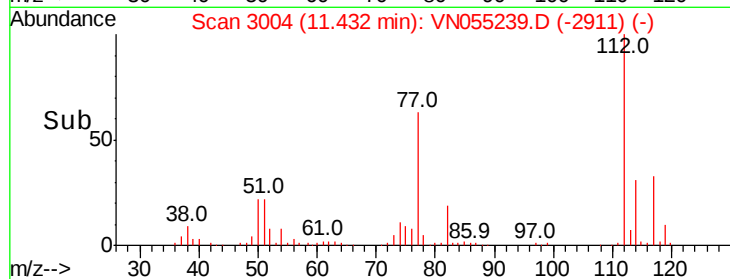
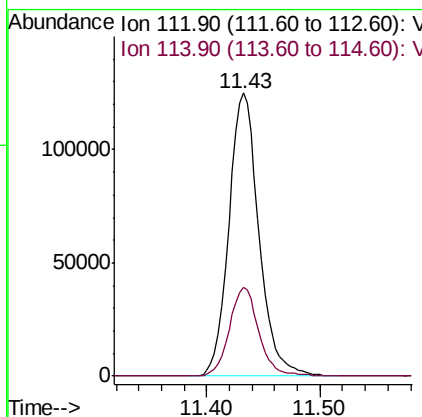
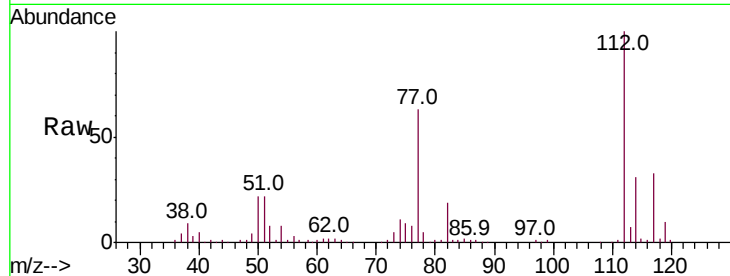
#65
Chlorobenzene
Concen: 20.073 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0425WBSD01

Tot Ion:112 Resp: 230719
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0

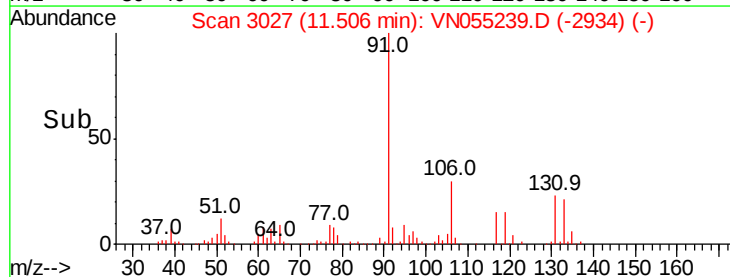
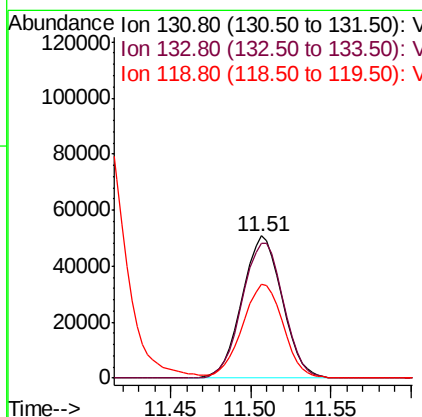
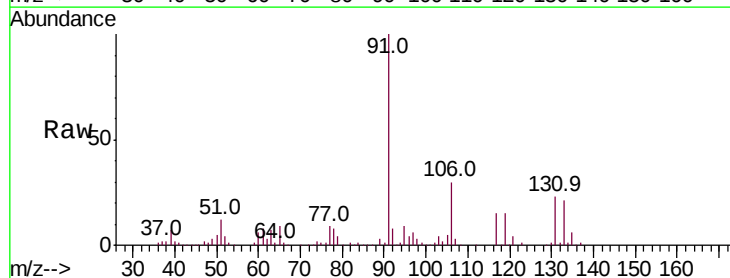
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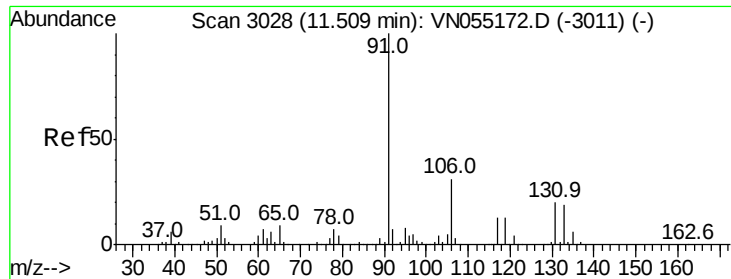
MMdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.437 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion:131 Resp: 87061
Ion Ratio Lower Upper
131 100
133 98.3 47.7 143.1
119 67.6 33.2 99.6





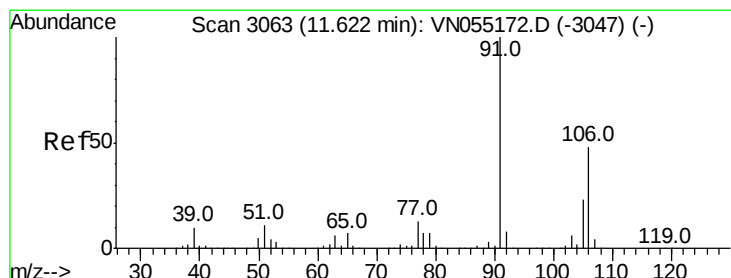
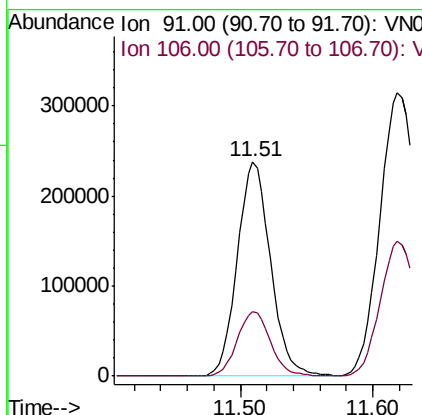
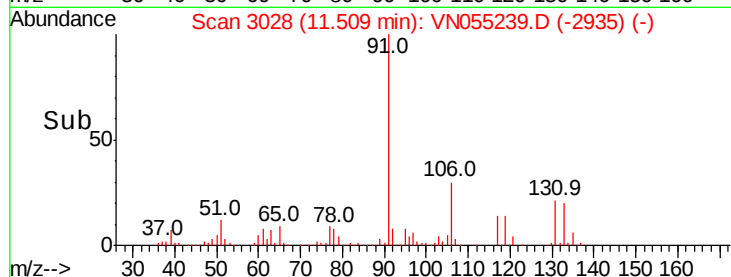
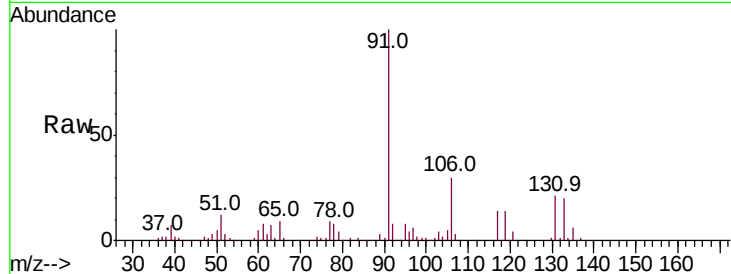
#67
Ethyl Benzene
Concen: 20.291 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0425WBSD01

Tot Ion: 91 Resp: 415432
Ion Ratio Lower Upper
91 100
106 30.0 24.5 36.7

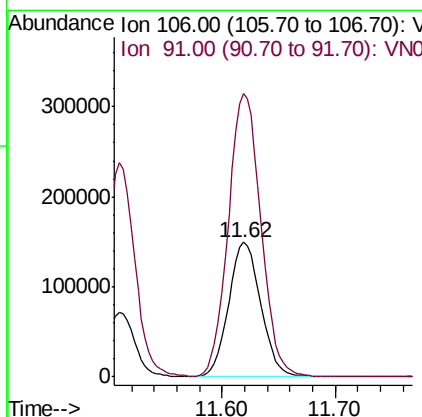
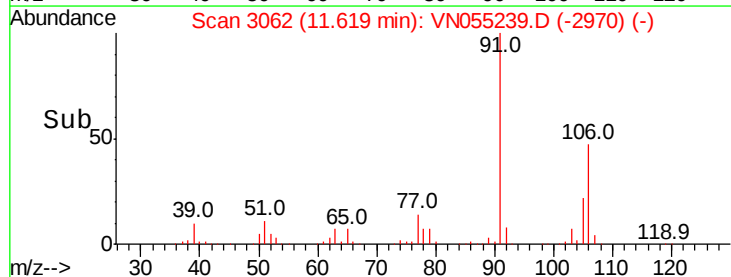
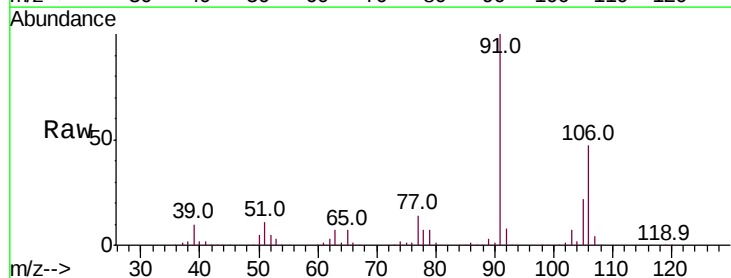
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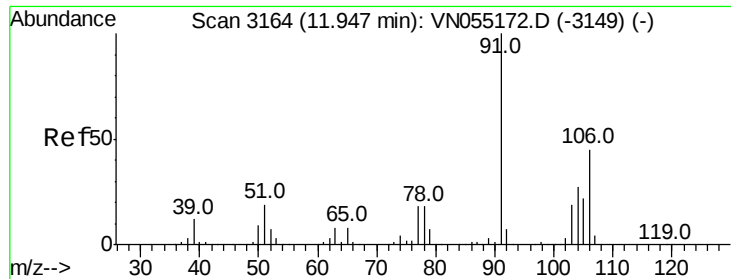
MMDadoda
4/26/2019 10:59:04 AM



#68
m/p-Xylenes
Concen: 40.382 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion: 106 Resp: 296534
Ion Ratio Lower Upper
106 100
91 212.6 167.1 250.7





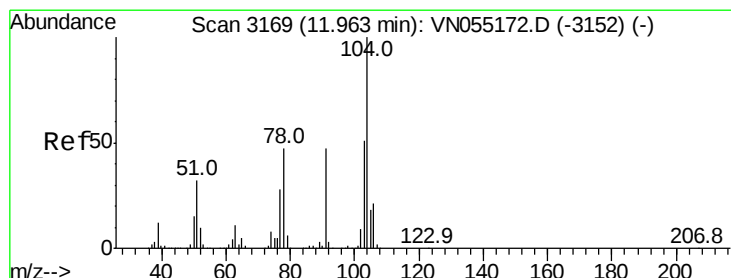
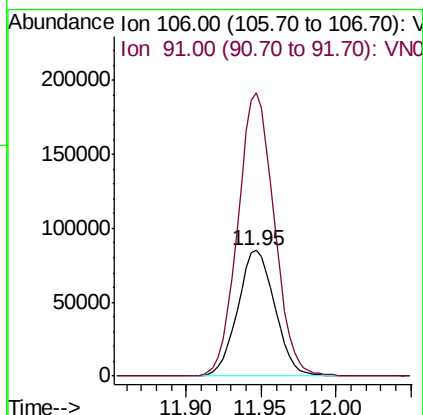
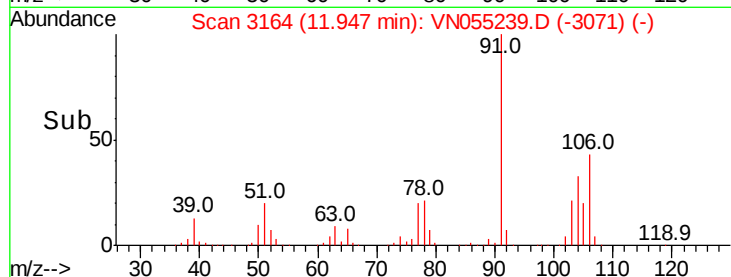
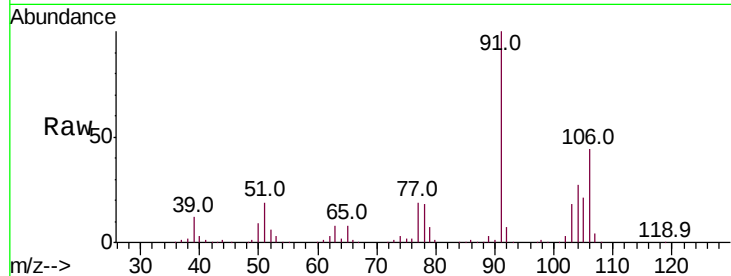
#69
o-Xylene
Concen: 20.143 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleID :
VN0425WBSD01

Tot Ion:106 Resp: 146792
Ion Ratio Lower Upper
106 100
91 221.3 110.6 331.8

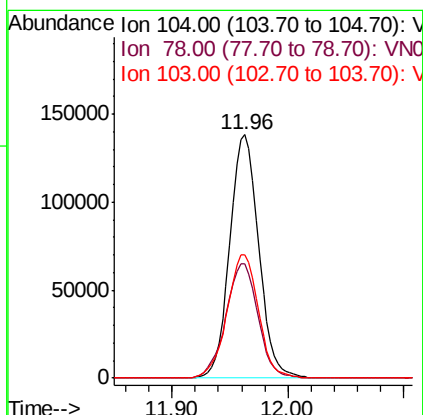
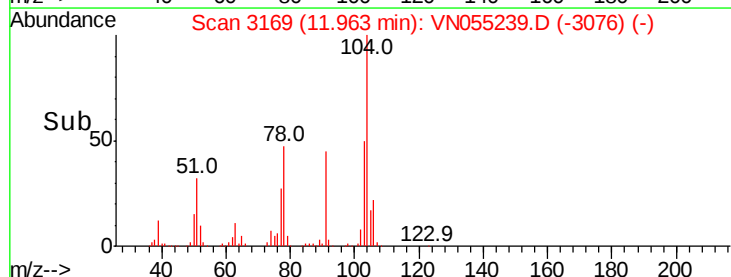
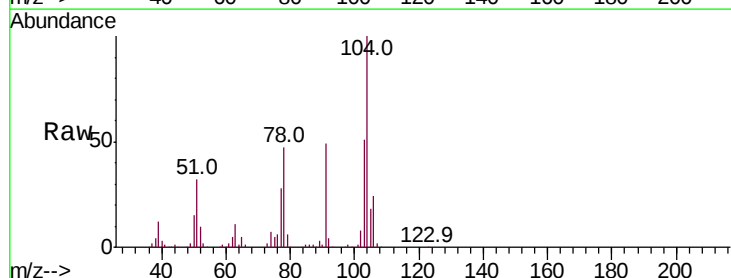
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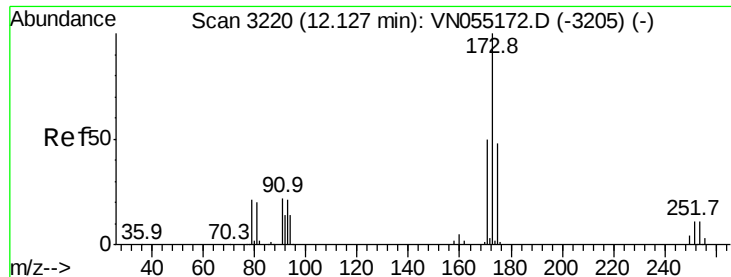
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#70
Styrene
Concen: 21.196 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion:104 Resp: 239435
Ion Ratio Lower Upper
104 100
78 52.1 41.3 61.9
103 55.1 44.2 66.4





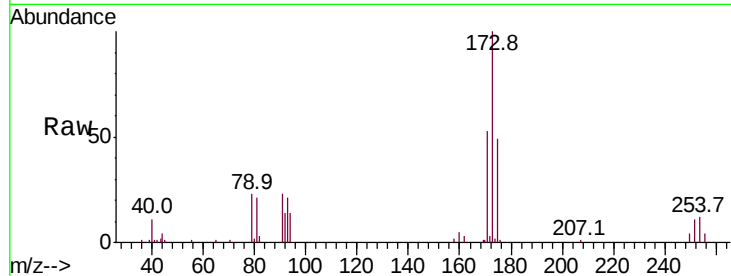
#71
Bromoform
Concen: 20.679 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

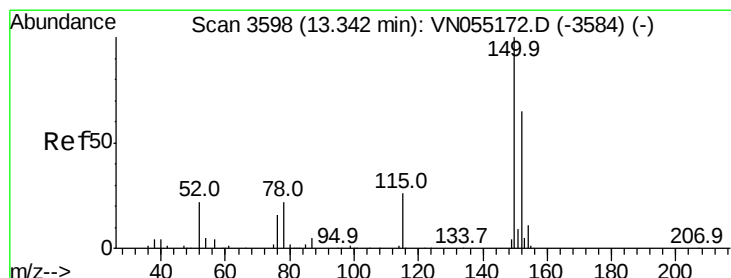
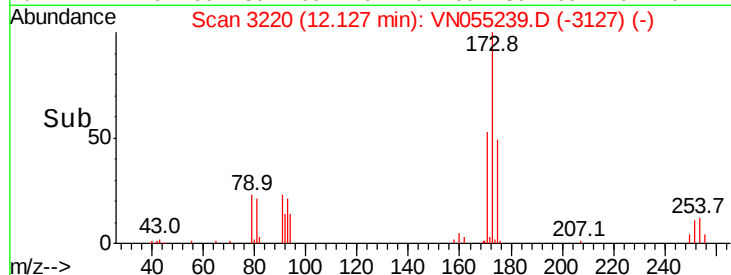
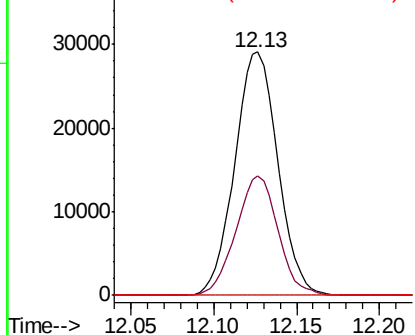
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
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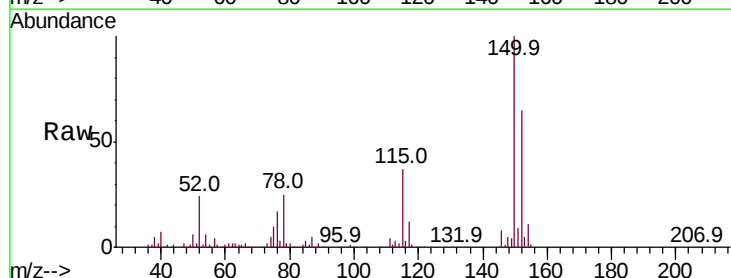


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

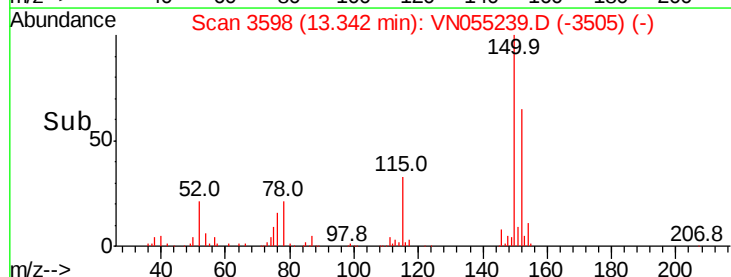
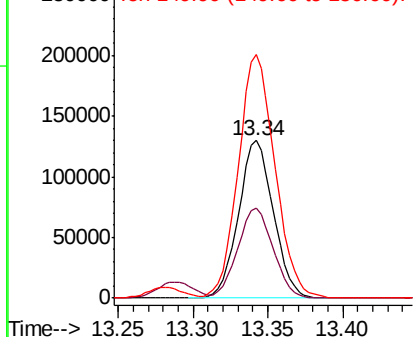


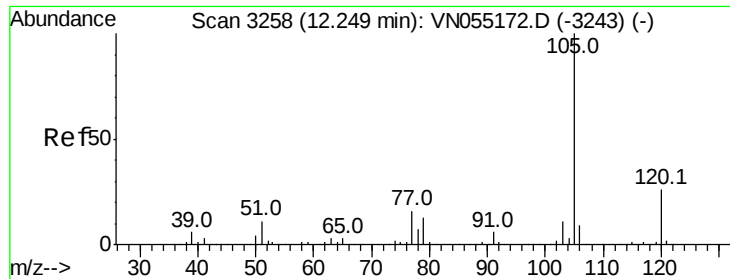
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.7
150	162.9	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: 22.295 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleID :

VN0425WBSD01

Tot Ion:105 Resp: 397909

Ion Ratio Lower Upper

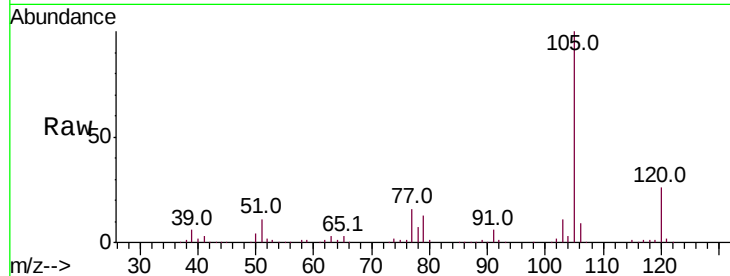
105 100

120 25.9 13.1 39.1

Manual Integrations
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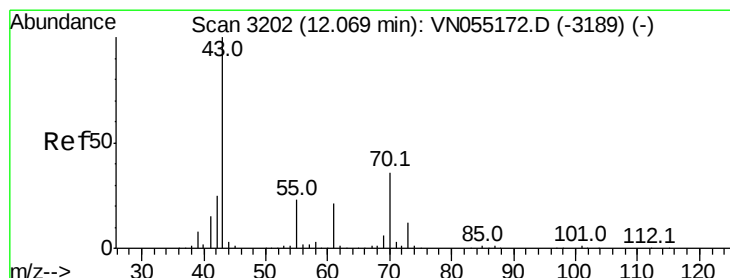
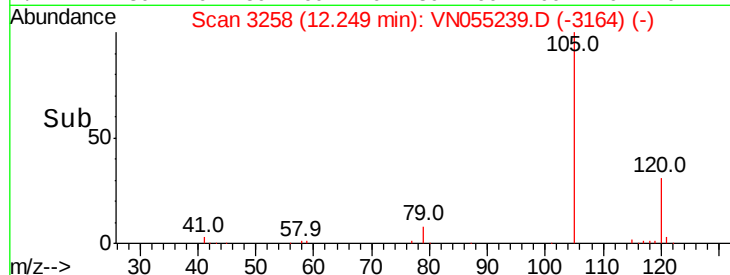
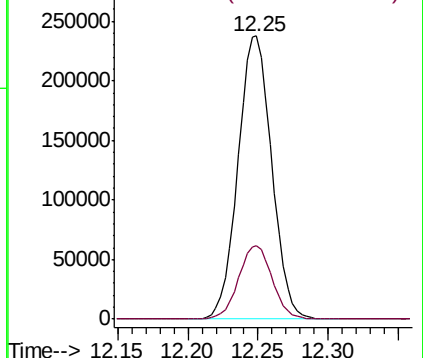
MMdadoda

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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: 21.593 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion: 43 Resp: 117092

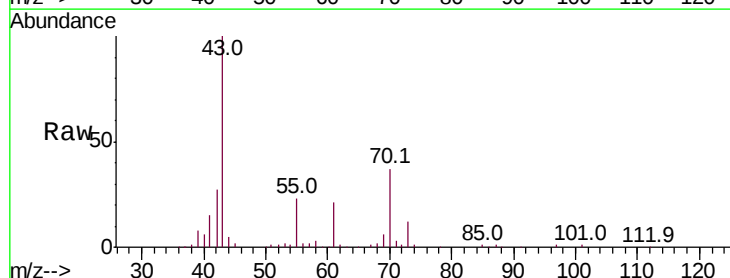
Ion Ratio Lower Upper

43 100

70 36.6 29.0 43.6

55 23.6 18.5 27.7

61 21.6 17.0 25.4

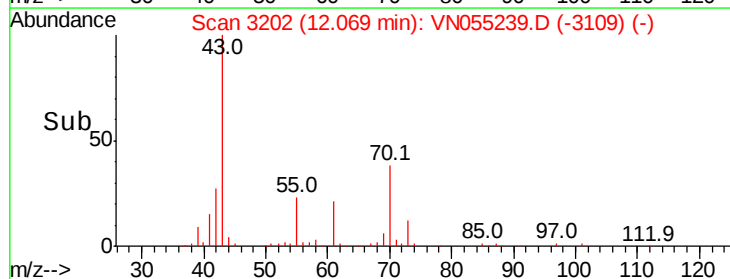
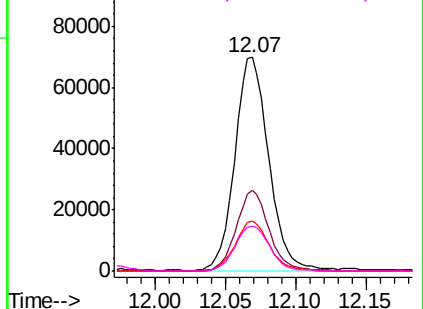


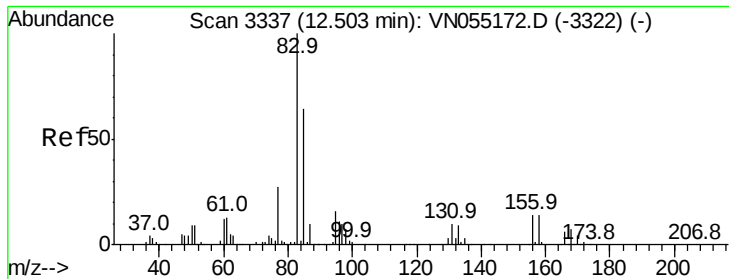
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.143 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

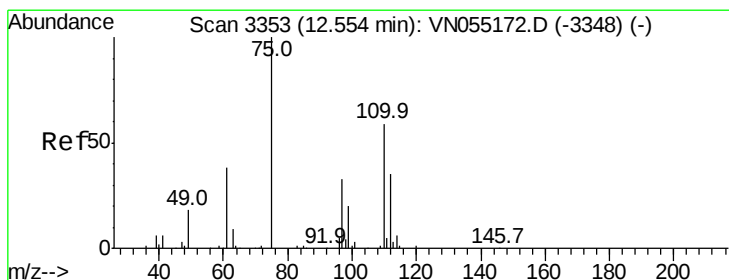
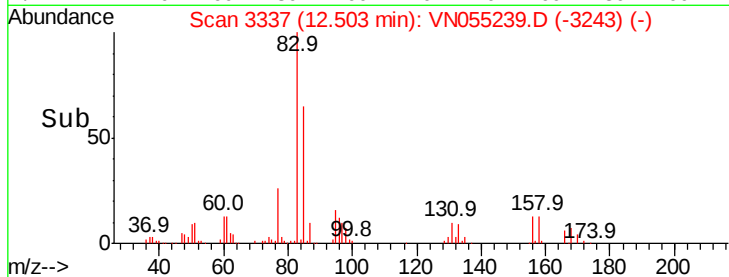
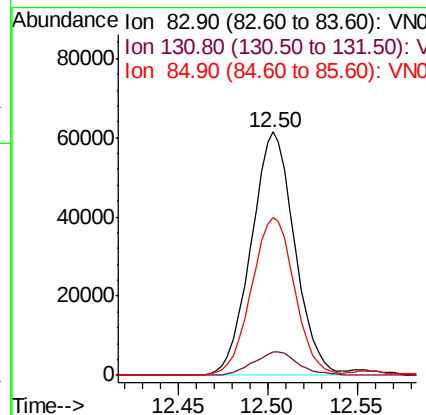
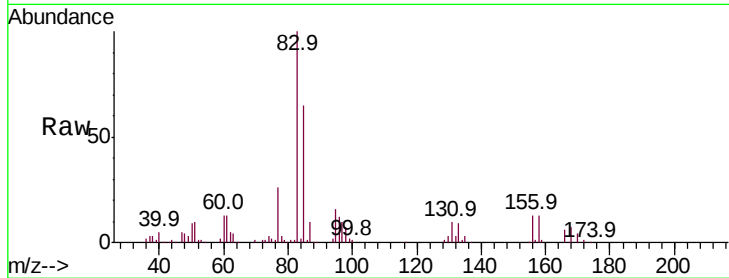
ClientSampleId :

VN0425WBSD01

Tot Ion:	83	Resp:	104600
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	64.5	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.682 ug/l m

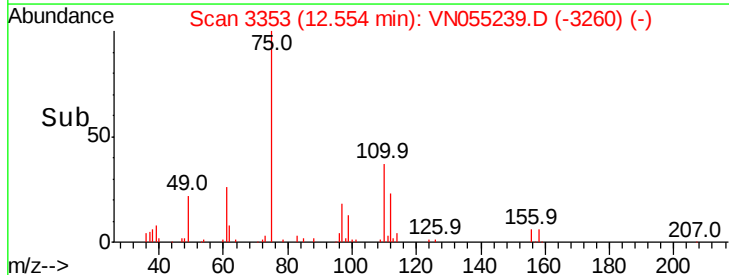
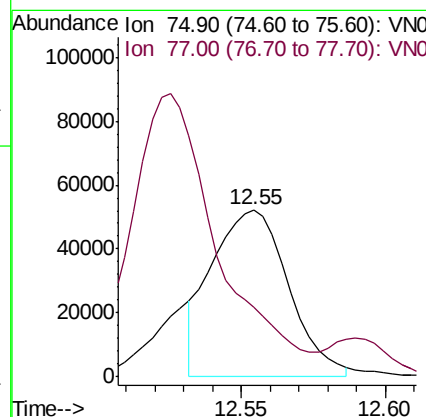
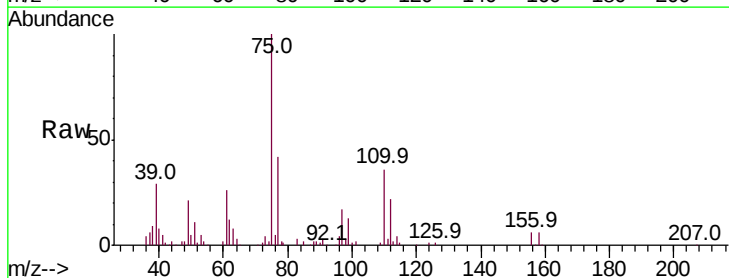
RT: 12.55 min Scan# 3353

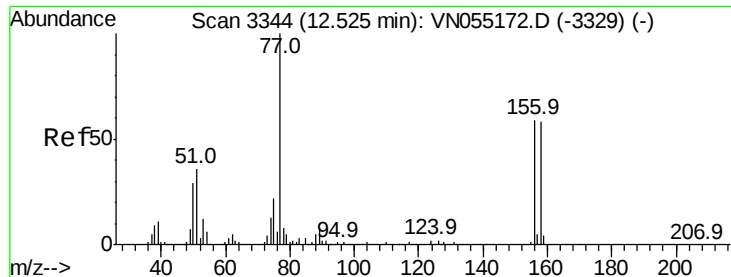
Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion:	75	Resp:	96785
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.060 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

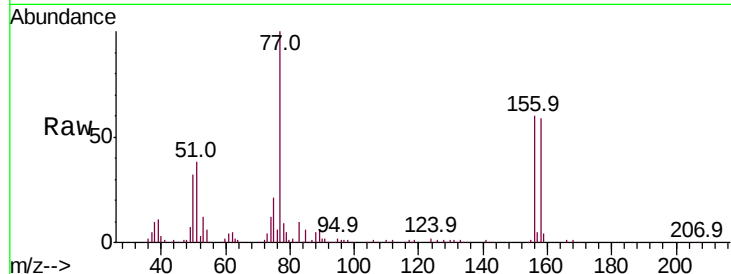
ClientSampleId :

VN0425WBSD01

Tot Ion:	156	Resp:	93145
Ion Ratio	Lower	Upper	
156	100		
77	198.9	98.0	293.9
158	96.8	48.9	146.8

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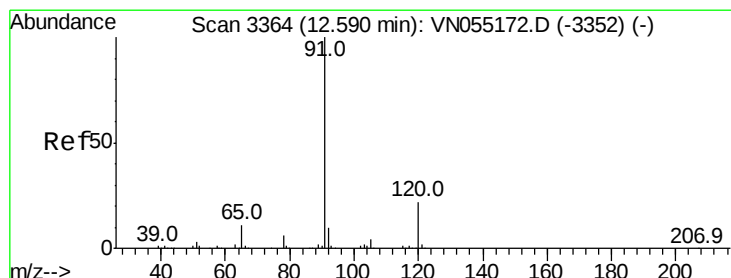
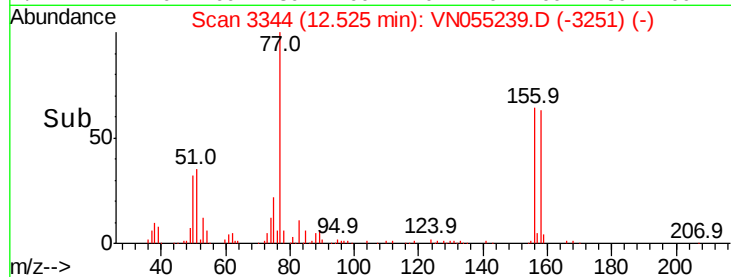
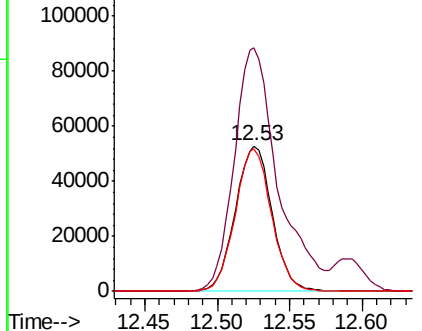
MMdadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.045 ug/l

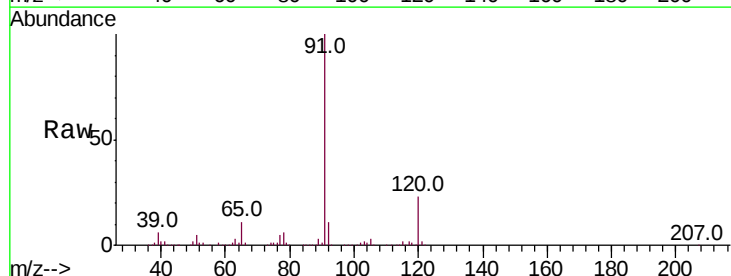
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055239.D

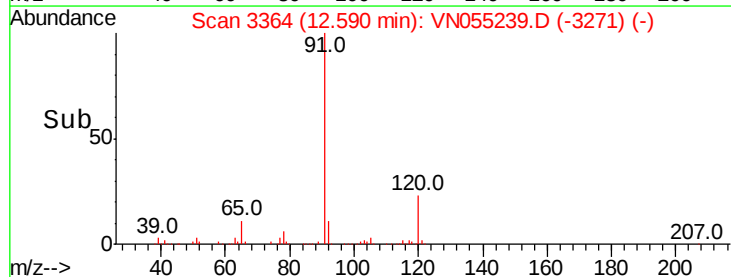
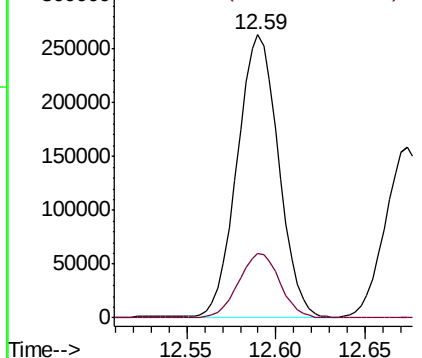
Acq: 25 Apr 2019 11:40

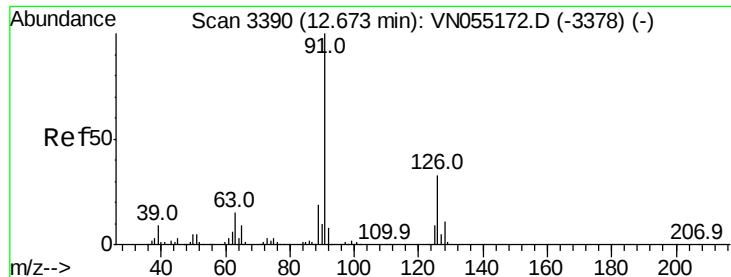
Tgt Ion:	91	Resp:	422824
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.075 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBSD01

Tot Ion: 91 Resp: 267387

Ion Ratio Lower Upper

91 100

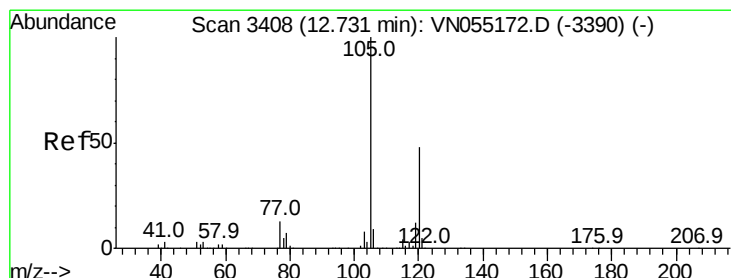
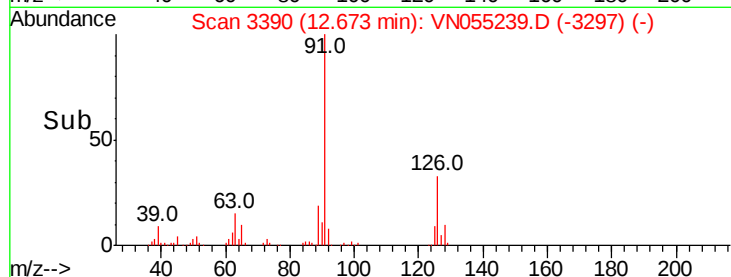
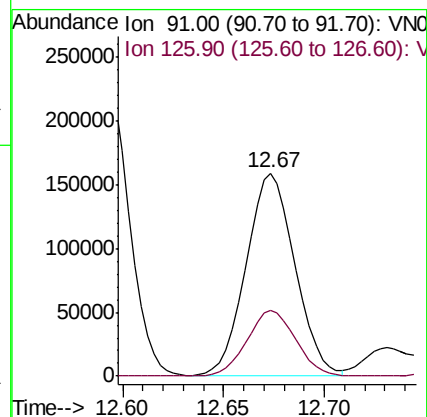
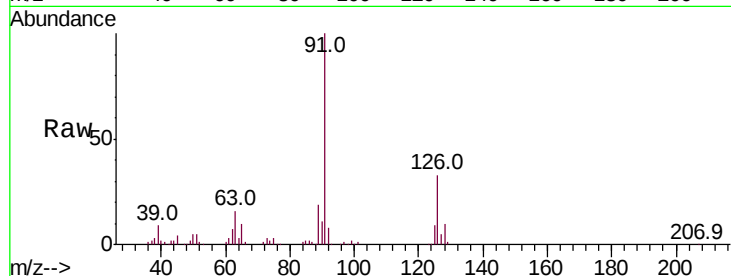
126 32.6 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.534 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055239.D

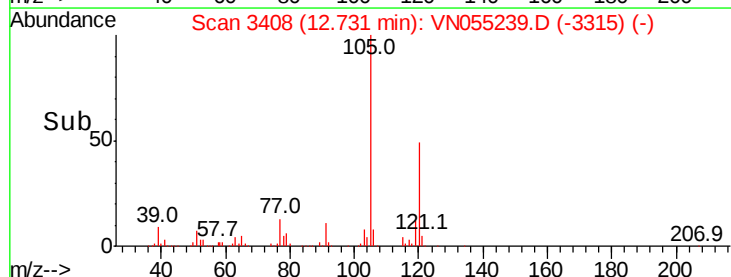
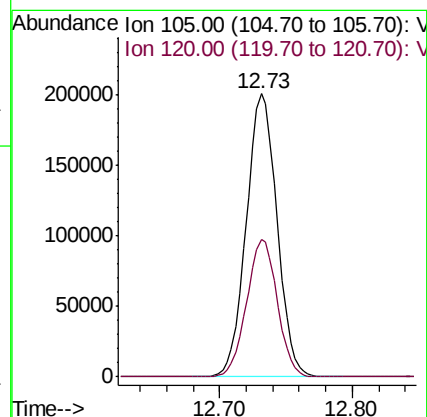
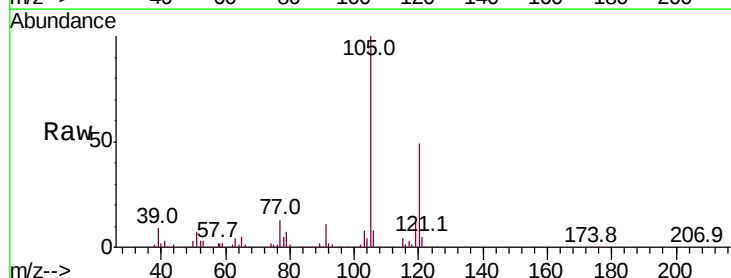
Acq: 25 Apr 2019 11:40

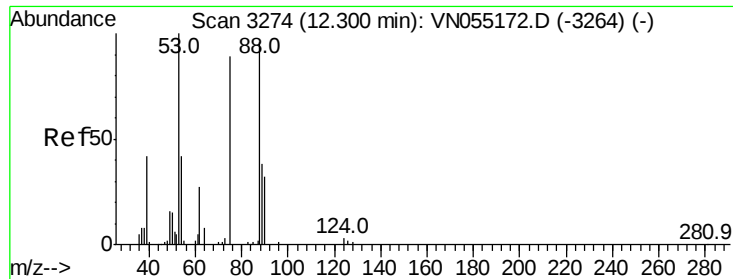
Tgt Ion: 105 Resp: 323314

Ion Ratio Lower Upper

105 100

120 48.3 23.9 71.7





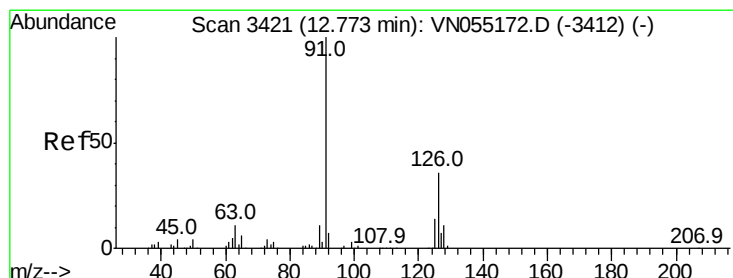
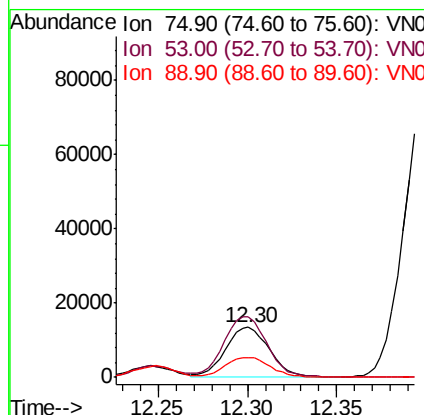
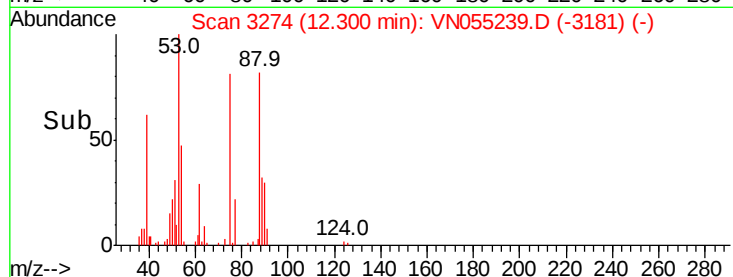
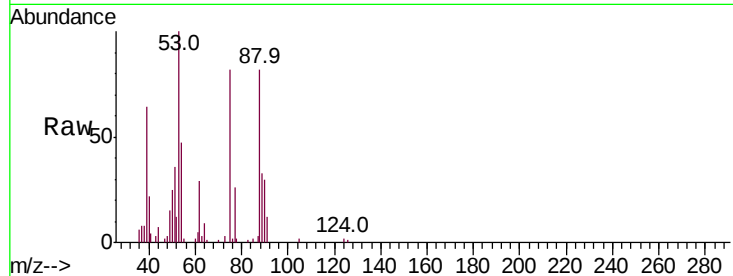
#81
trans-1,4-Dichloro-2-butene
Concen: 20.670 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.8	90.1	135.1
89	40.6	36.7	55.1

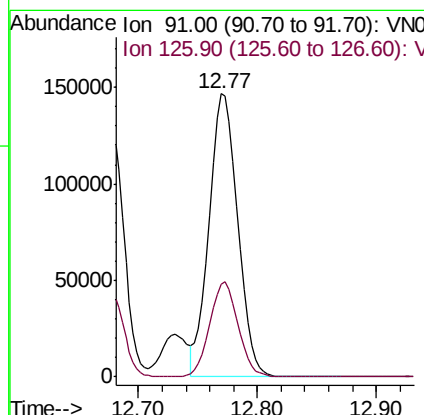
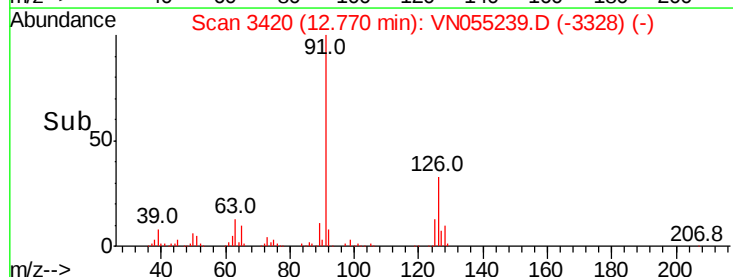
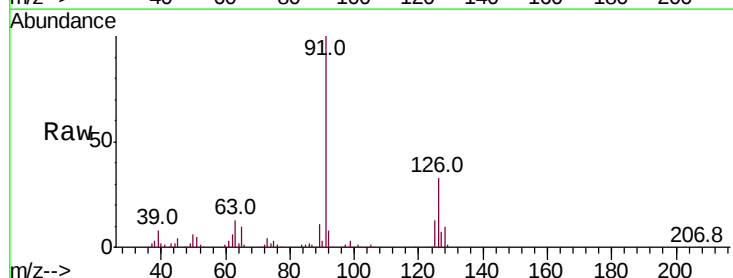
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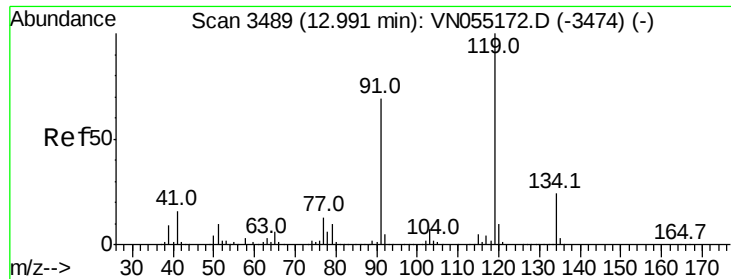
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.060 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





#83

tert-Butylbenzene

Concen: 22.064 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

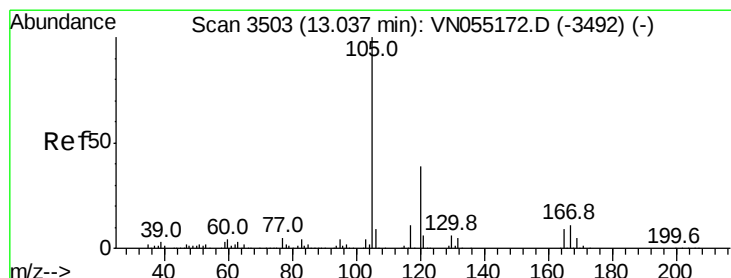
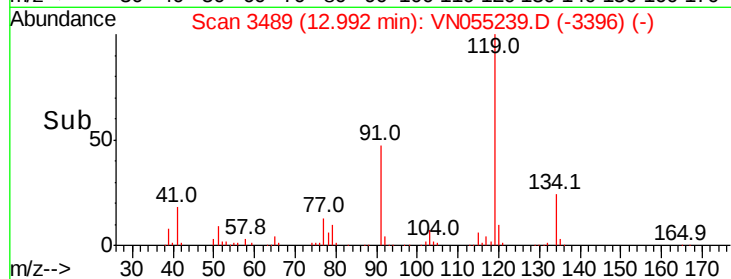
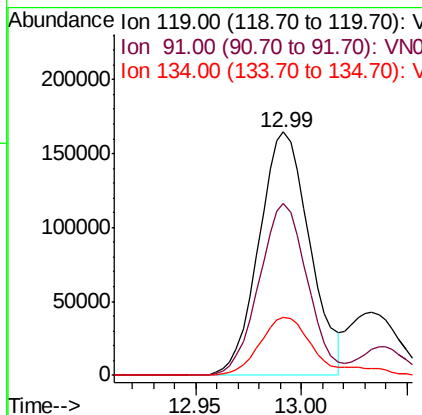
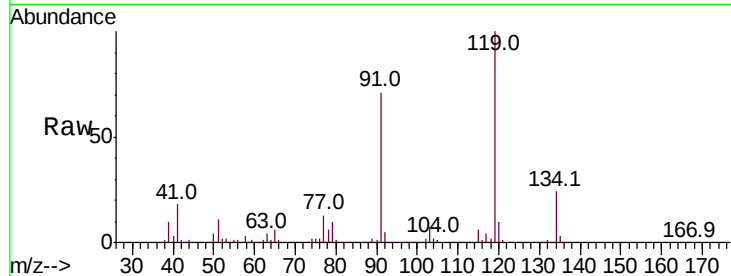
ClientSampleId :

VN0425WBSD01

Tot Ion:	119	Resp:	275576
Ion Ratio	Lower	Upper	
119	100		
91	67.5	33.8	101.3
134	26.3	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.297 ug/l

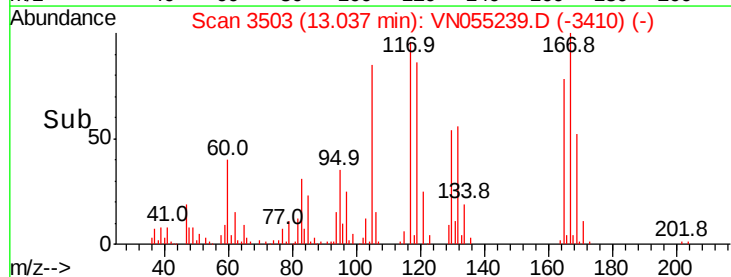
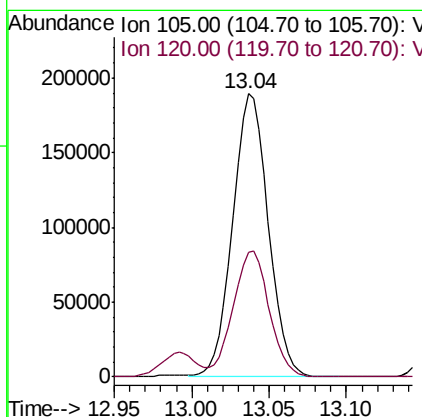
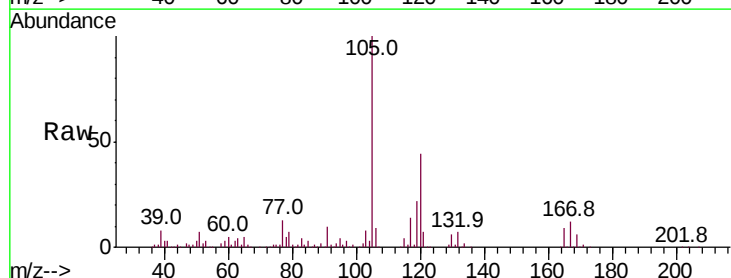
RT: 13.04 min Scan# 3503

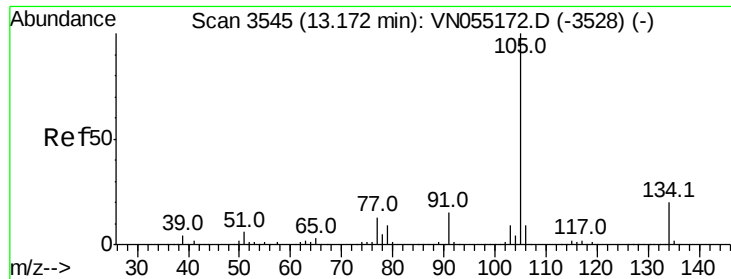
Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion:	105	Resp:	301581
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.7	68.1





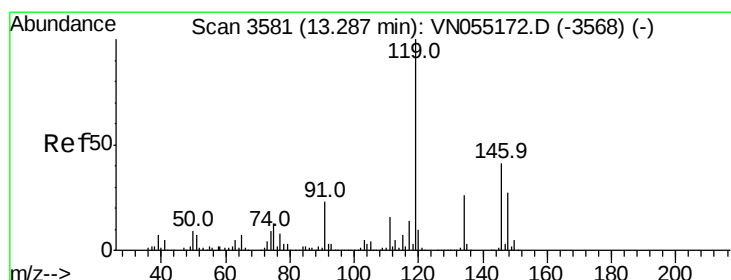
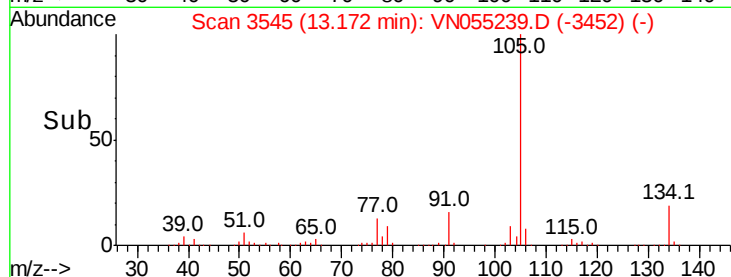
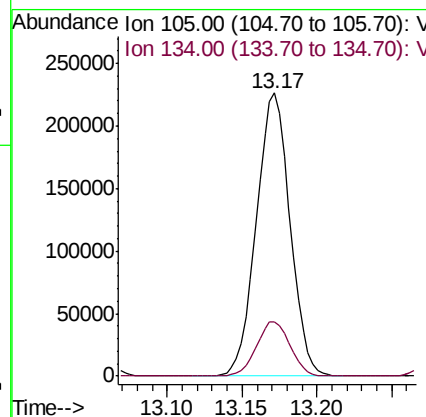
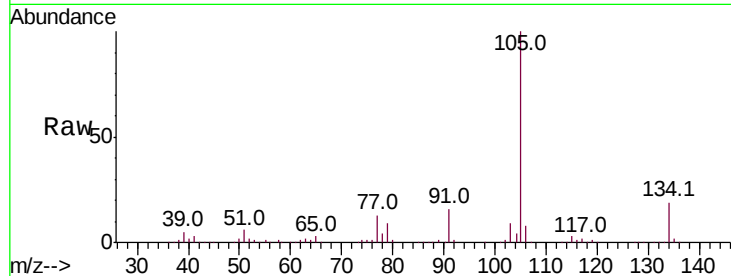
#85
 sec-Butylbenzene
 Concen: 19.881 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	10.0	30.0

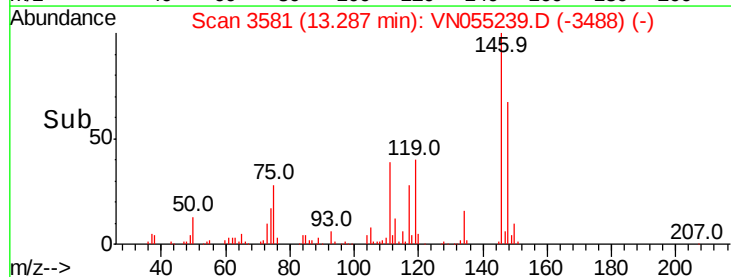
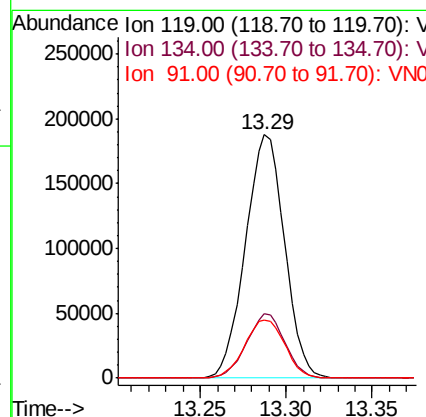
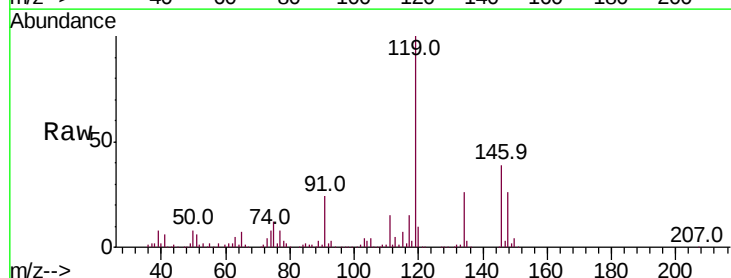
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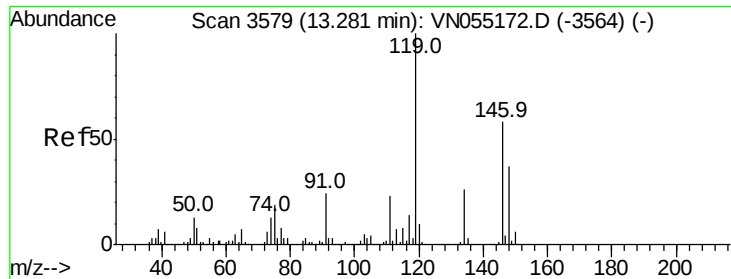
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#86
 p-Isopropyltoluene
 Concen: 20.088 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.8	11.8	35.3





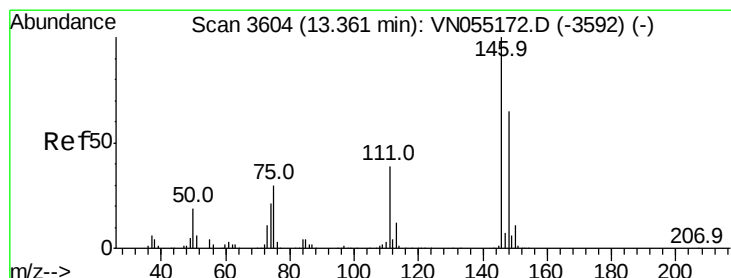
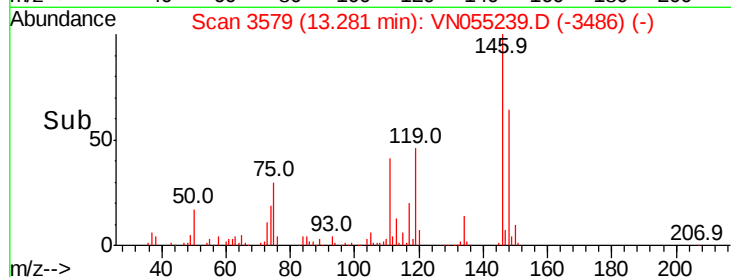
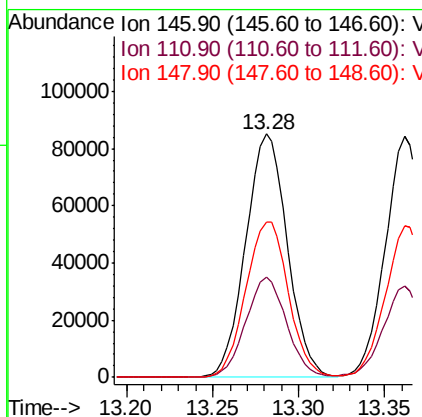
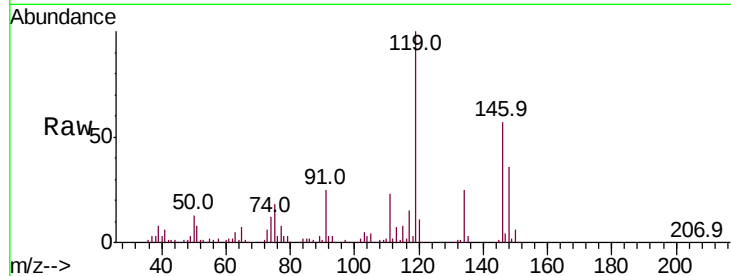
#87
 1,3-Dichlorobenzene
 Concen: 20.039 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.1
148	65.3	32.0	96.0

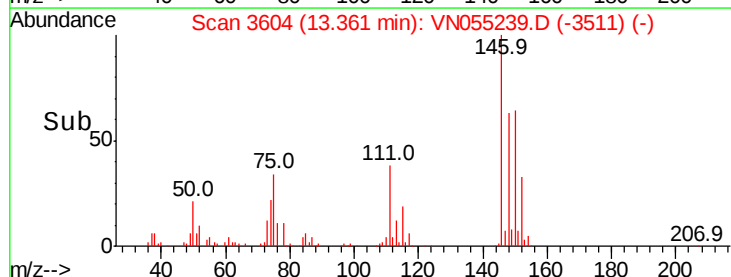
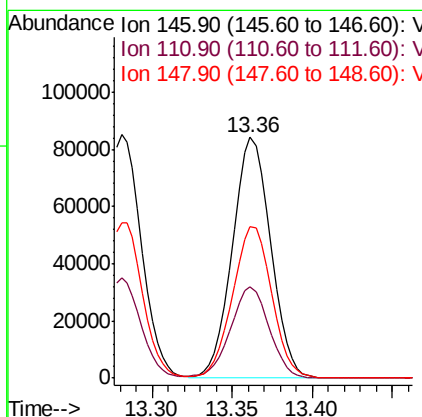
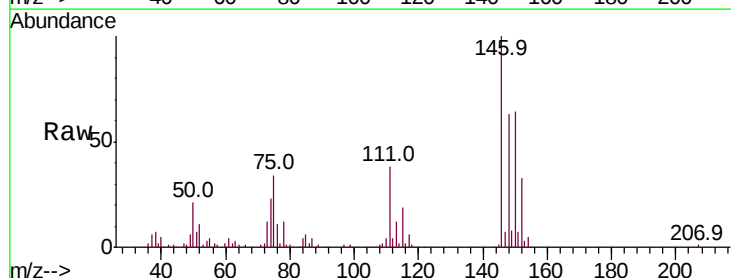
Manual Integrations
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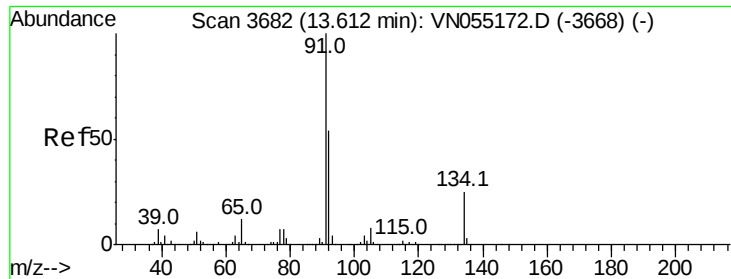
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 4/26/2019 10:59:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.793 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.2
148	64.5	32.9	98.6





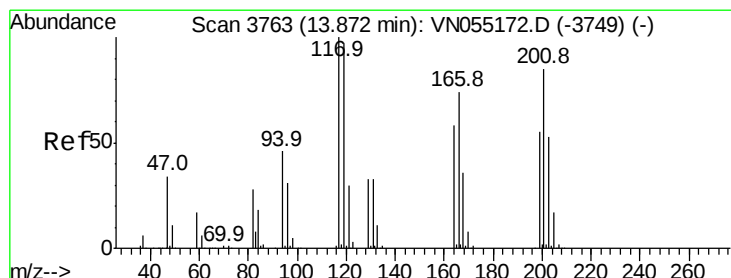
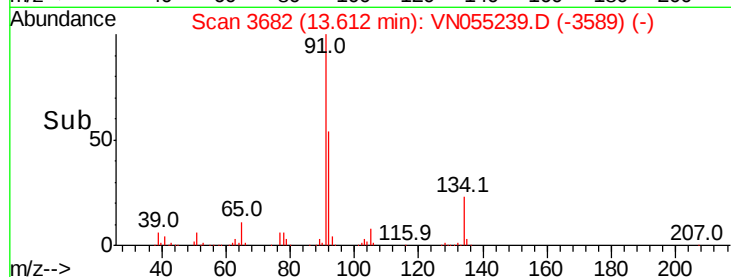
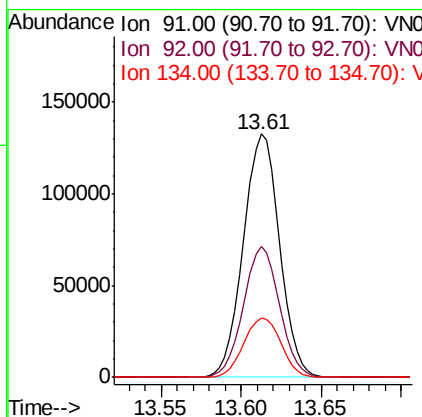
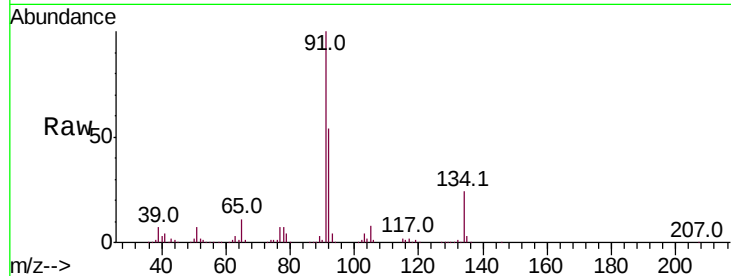
#89
n-Butylbenzene
Concen: 18.833 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_N
ClientSampled :
VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.4	79.2
134	25.0	12.8	38.4

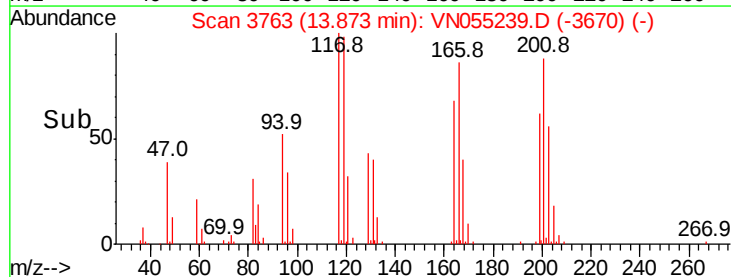
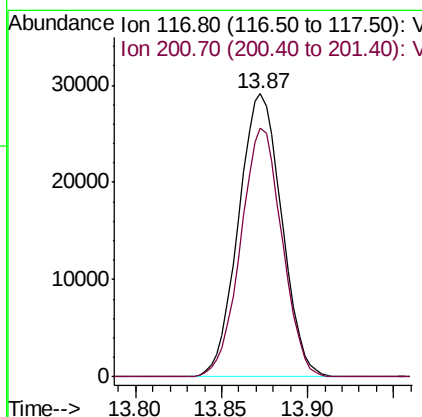
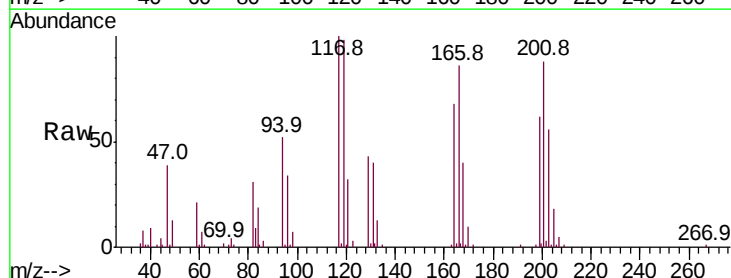
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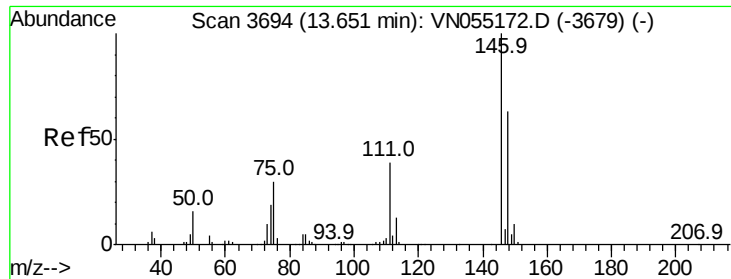
MMDadoda
4/26/2019 10:59:04 AM



#90
Hexachloroethane
Concen: 19.458 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055239.D
Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	43.1	129.4





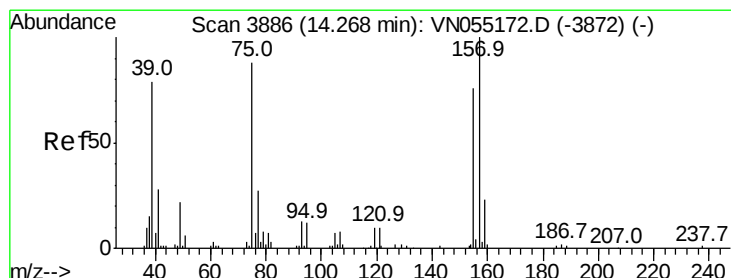
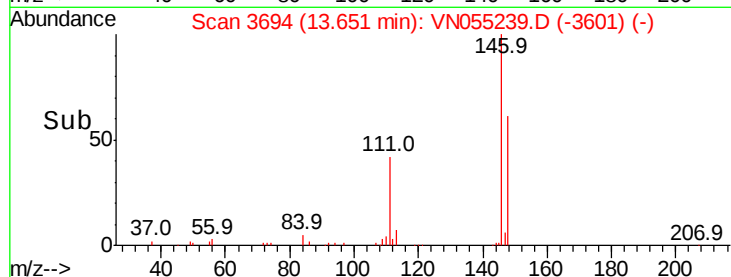
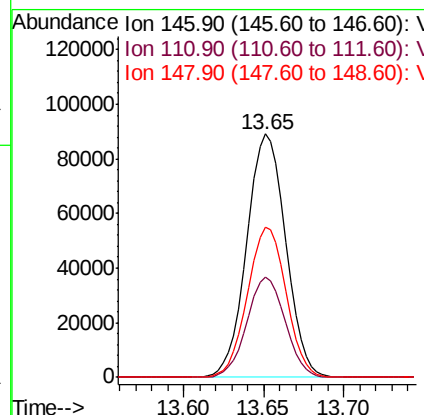
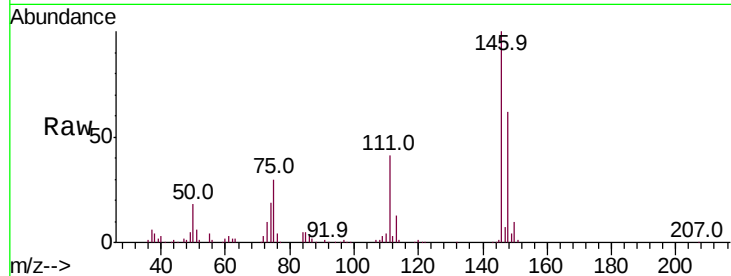
#91
 1,2-Dichlorobenzene
 Concen: 20.233 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.8	59.3
148	61.3	31.7	95.1

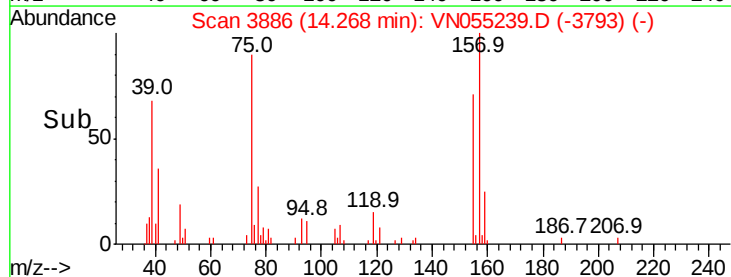
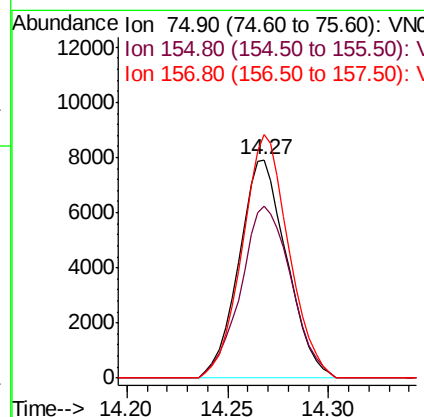
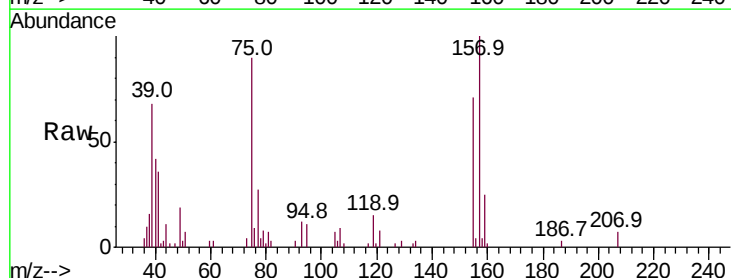
Manual Integrations
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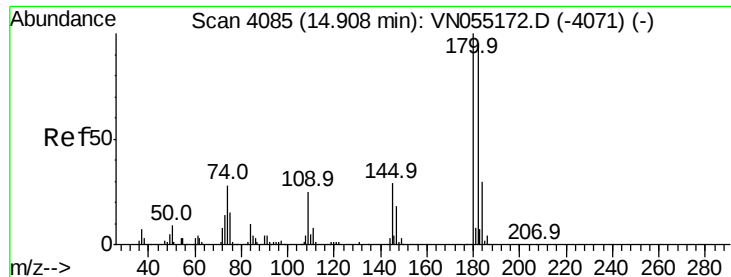
MMdadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.533 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	43.0	129.0
157	108.5	55.7	167.1





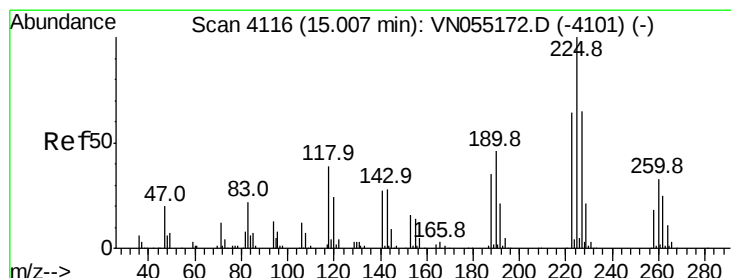
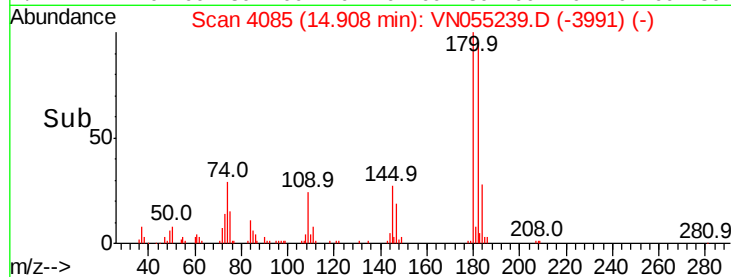
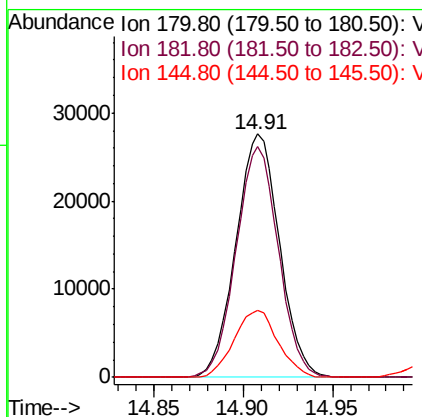
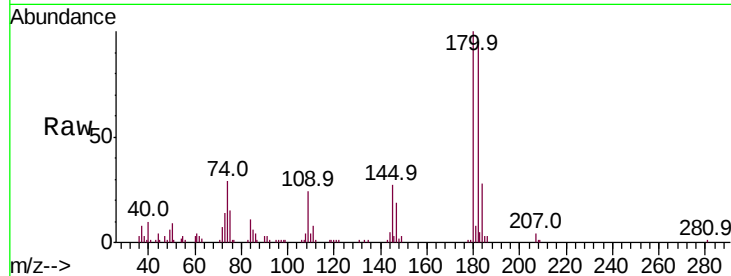
#93
 1,2,4-Trichlorobenzene
 Concen: 17.127 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.8	143.4
145	27.7	14.5	43.5

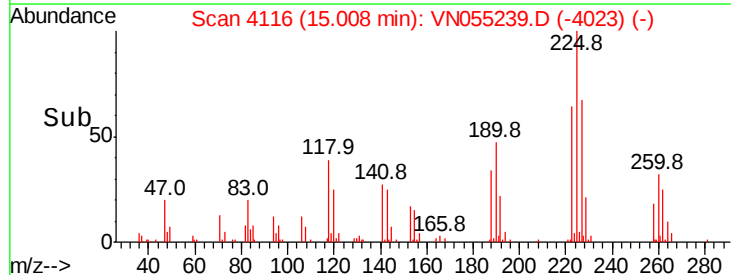
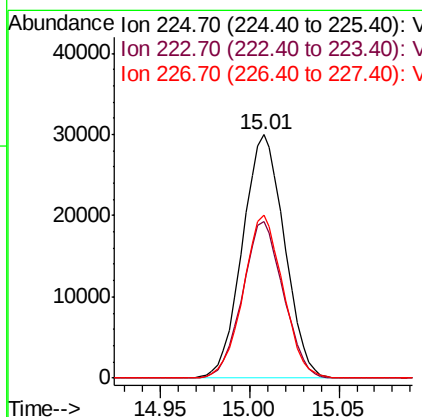
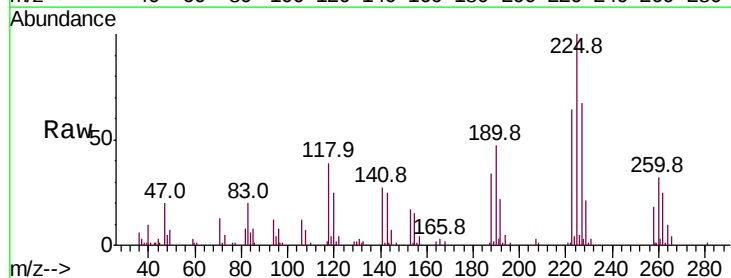
Manual Integrations
 APPROVED

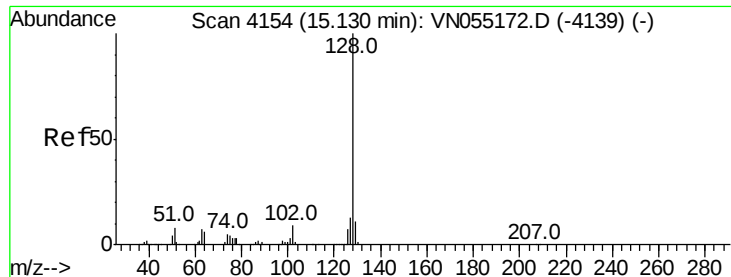
MMDadoda
 4/26/2019 10:59:04 AM



#94
 Hexachlorobutadiene
 Concen: 21.860 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055239.D
 Acq: 25 Apr 2019 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.2	96.6
227	63.4	32.6	98.0





#95

Naphthalene

Concen: 16.739 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_N

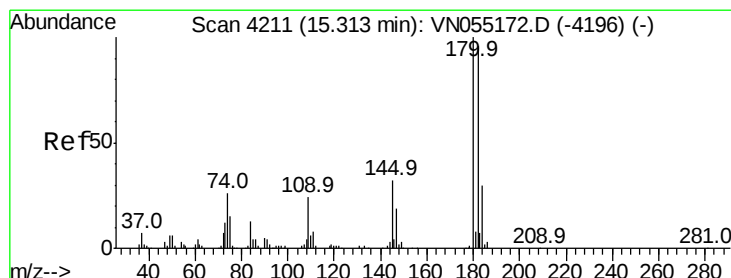
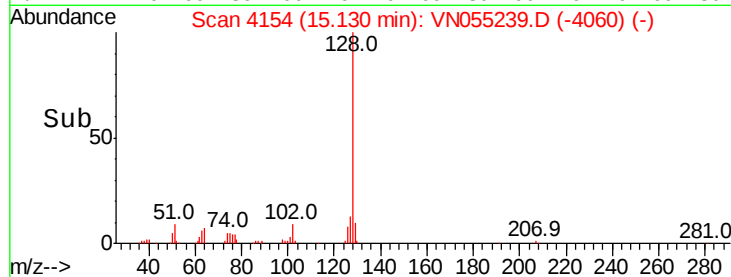
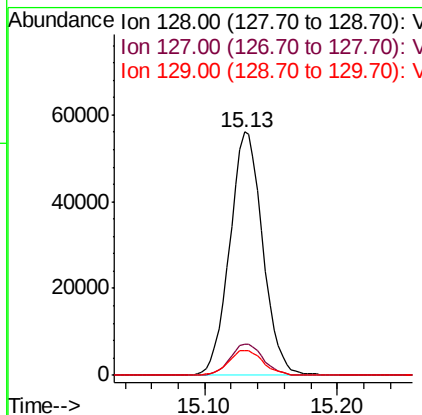
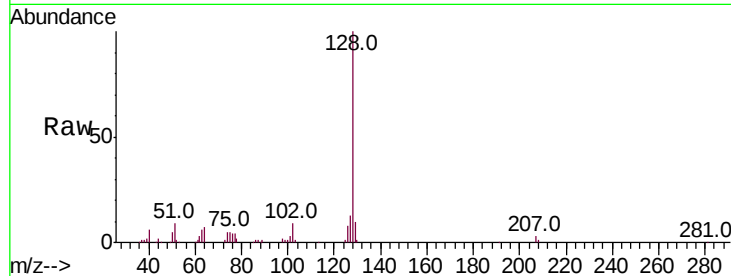
ClientSampleId :

VN0425WBSD01

Tot Ion:	128	Resp:	96822
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.7	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 16.964 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055239.D

Acq: 25 Apr 2019 11:40

Tgt Ion:	180	Resp:	47611
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.2	141.6
145	31.9	15.4	46.1

