

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055079.D
 Acq On : 16 Apr 2019 15:33
 Operator : JC/SP
 Sample : VN0416WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 4:23:08 AM

Quant Time: Apr 17 02:22:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	403549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	670611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218204	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	270981	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
35) Dibromofluoromethane	7.59	113	221462	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
50) Toluene-d8	10.09	98	804554	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	255462	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	91347	19.918	ug/l	100
3) Chloromethane	2.06	50	117871	19.705	ug/l	95
4) Vinyl Chloride	2.19	62	98172	19.526	ug/l	98
5) Bromomethane	2.56	94	57332	20.157	ug/l	96
6) Chloroethane	2.71	64	55345	20.412	ug/l	97
7) Trichlorofluoromethane	3.02	101	126855	20.175	ug/l	97
8) Diethyl Ether	3.41	74	39994	19.926	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62673	19.046	ug/l	98
10) Methyl Iodide	3.94	142	118025	23.113	ug/l	95
11) Tert butyl alcohol	4.82	59	29306	99.670	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	62974	19.661	ug/l	93
13) Acrolein	3.61	56	30100	82.821	ug/l	98
14) Allyl chloride	4.32	41	155438	19.826	ug/l	99
15) Acrylonitrile	5.00	53	175681	99.865	ug/l	99
16) Acetone	3.82	43	117064	80.405	ug/l	97
17) Carbon Disulfide	4.04	76	192488	18.617	ug/l	99
18) Methyl Acetate	4.33	43	84404	19.851	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	231241	20.182	ug/l	98
20) Methylene Chloride	4.55	84	98526	19.251	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	83775	19.339	ug/l	90
22) Diisopropyl ether	5.96	45	334767	20.771	ug/l	100
23) Vinyl Acetate	5.90	43	1117146	104.864	ug/l	100
24) 1,1-Dichloroethane	5.85	63	175881	20.492	ug/l	99
25) 2-Butanone	6.84	43	202959	93.402	ug/l	99
26) 2,2-Dichloropropane	6.82	77	106134	19.592	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	100408	20.487	ug/l	99
28) Bromochloromethane	7.19	49	86076	20.805	ug/l	99
29) Tetrahydrofuran	7.22	42	138650	97.301	ug/l	100
30) Chloroform	7.37	83	170195	20.415	ug/l	98
31) Cyclohexane	7.65	56	159079	20.220	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	132512	20.062	ug/l	99
36) 1,1-Dichloropropene	7.79	75	118625	18.765	ug/l	98
37) Ethyl Acetate	6.94	43	95026	18.464	ug/l	98
38) Carbon Tetrachloride	7.77	117	111751	18.580	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	128544	18.764	ug/l	99
40) Benzene	8.04	78	374233	19.642	ug/l	99
41) Methacrylonitrile	7.18	41	49023	17.159	ug/l	93
42) 1,2-Dichloroethane	8.12	62	130677	19.754	ug/l	99
43) Isopropyl Acetate	8.17	43	153587	19.367	ug/l	98
44) Trichloroethene	8.83	130	90408	18.944	ug/l	98
45) 1,2-Dichloropropane	9.12	63	106989	20.135	ug/l	100
46) Dibromomethane	9.21	93	60201	19.905	ug/l	98
47) Bromodichloromethane	9.40	83	120080	19.257	ug/l	98
48) Methyl methacrylate	9.20	41	75848	19.296	ug/l	98
49) 1,4-Dioxane	9.20	88	15812	429.371	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	442691	96.625	ug/l	98
52) Toluene	10.15	92	218234	19.999	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	105309	19.325	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	134184	19.840	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	81642	19.419	ug/l	98
56) Ethyl methacrylate	10.43	69	103263	20.466	ug/l	97
57) 1,3-Dichloropropane	10.71	76	143336	20.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	179895	88.424	ug/l	100
59) 2-Hexanone	10.75	43	269528	93.663	ug/l	99
60) Dibromochloromethane	10.90	129	81168	19.771	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77986	20.153	ug/l	98
64) Tetrachloroethene	10.63	164	89544	19.220	ug/l	99
65) Chlorobenzene	11.43	112	225249	19.531	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	84194	19.849	ug/l	99
67) Ethyl Benzene	11.51	91	401111	19.476	ug/l	100
68) m/p-Xylenes	11.62	106	289385	38.803	ug/l	99
69) o-Xylene	11.95	106	142905	19.784	ug/l	100
70) Styrene	11.96	104	234996	20.098	ug/l	99
71) Bromoform	12.13	173	47539	19.553	ug/l #	100
73) Isopropylbenzene	12.25	105	374937	19.364	ug/l	99
74) N-amyl acetate	12.07	43	111534	20.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	98718	19.053	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	89304m	22.759	ug/l	
77) Bromobenzene	12.53	156	91738	19.004	ug/l	99
78) n-propylbenzene	12.59	91	404376	19.330	ug/l	99
79) 2-Chlorotoluene	12.67	91	257937	19.768	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	301831	19.316	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19014	19.378	ug/l	94
82) 4-Chlorotoluene	12.77	91	239138	19.643	ug/l	99
83) tert-Butylbenzene	12.99	119	259416	19.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	294809	19.908	ug/l	99
85) sec-Butylbenzene	13.17	105	324551	19.301	ug/l	99
86) p-Isopropyltoluene	13.29	119	276394	19.159	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	144970	19.758	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	136644	19.529	ug/l	98
89) n-Butylbenzene	13.61	91	206356	19.269	ug/l	99
90) Hexachloroethane	13.87	117	45457	19.365	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	146676	19.869	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12602	19.752	ug/l	95

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ClientSampleId :
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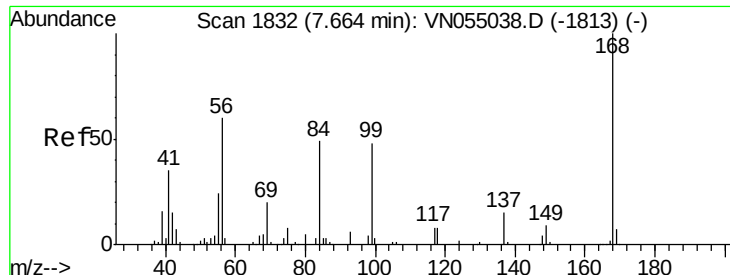
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55245	18.302	ug/l	100
94) Hexachlorobutadiene	15.01	225	44129	19.353	ug/l	99
95) Naphthalene	15.13	128	119578	17.413	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	56670	19.899	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS02

Tot Ion:168 Resp: 403549

Ion Ratio Lower Upper

168 100

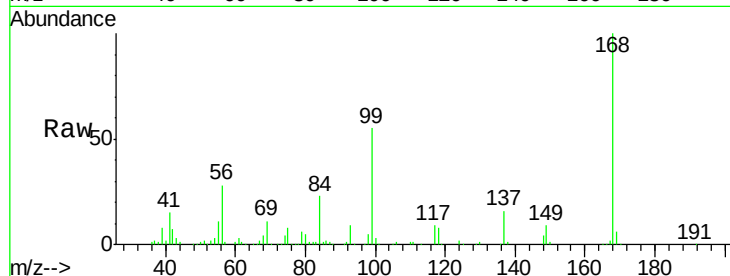
99 54.0 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.66

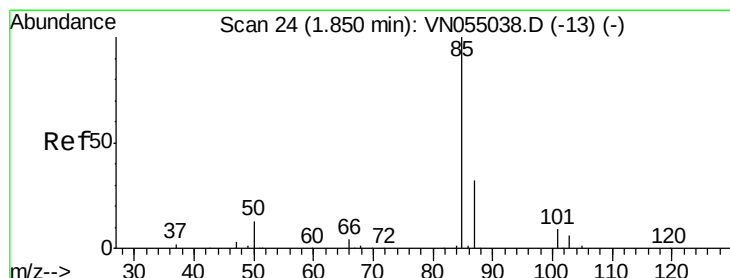
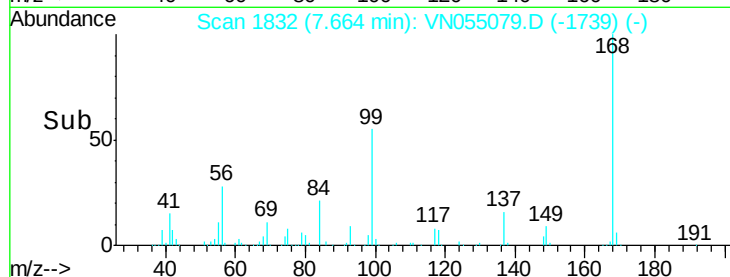
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.918 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055079.D

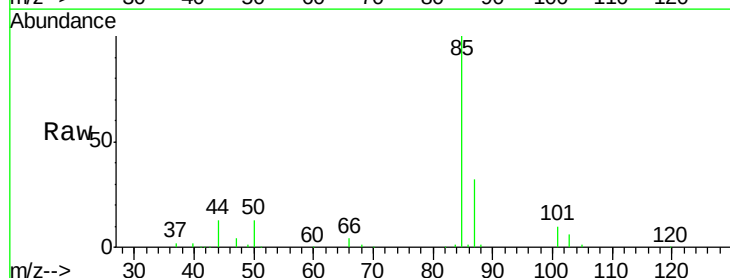
Acq: 16 Apr 2019 15:33

Tgt Ion: 85 Resp: 91347

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

80000

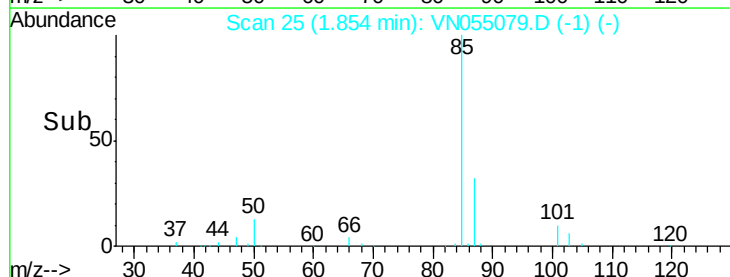
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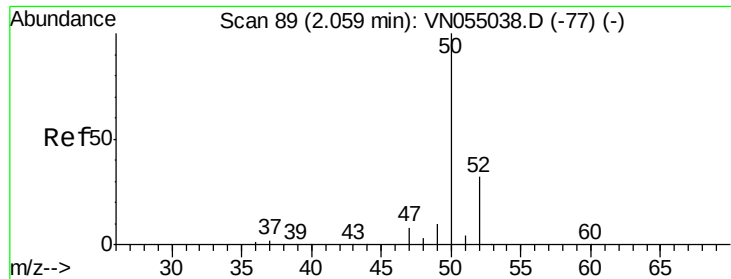
40000

20000

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Time-->





#3

Chloromethane

Concen: 19.705 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS02

Tot Ion: 50 Resp: 117871

Ion Ratio Lower Upper

50 100

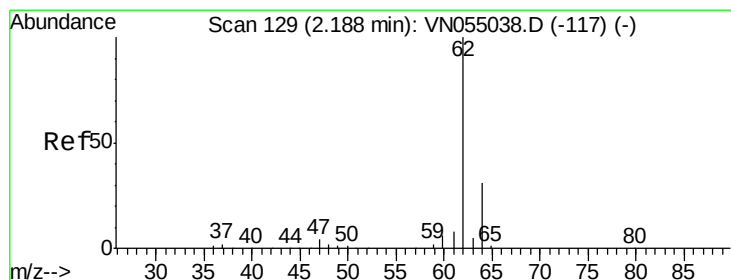
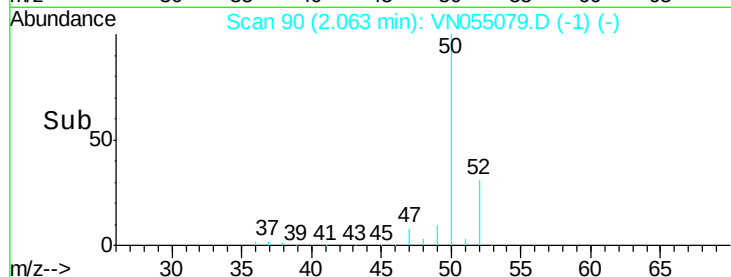
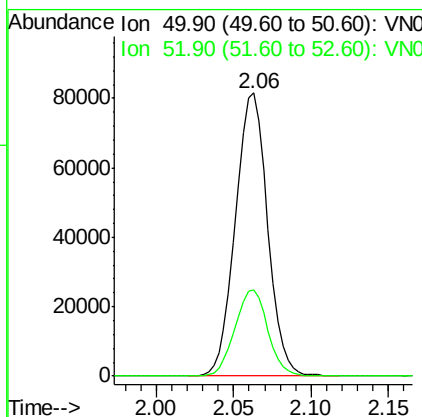
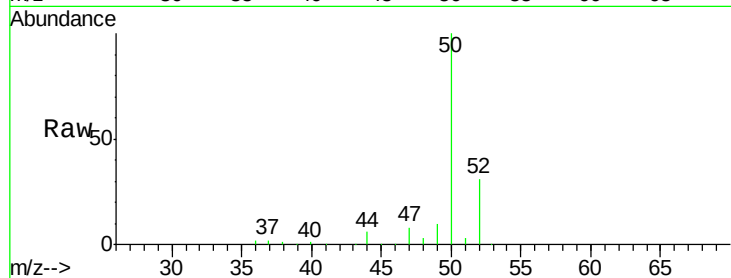
52 30.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.526 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055079.D

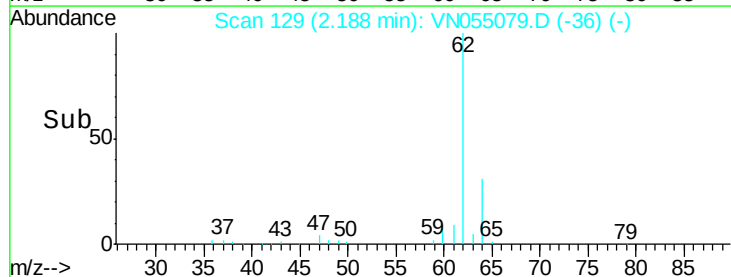
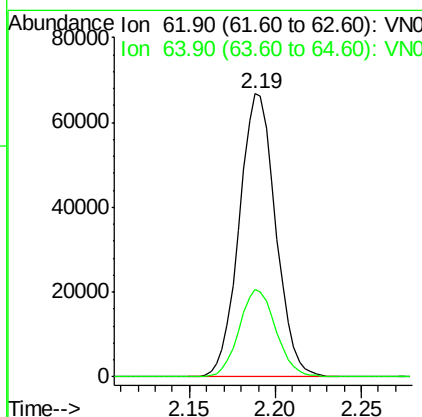
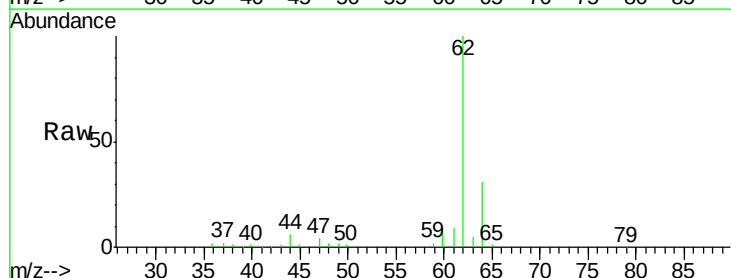
Acq: 16 Apr 2019 15:33

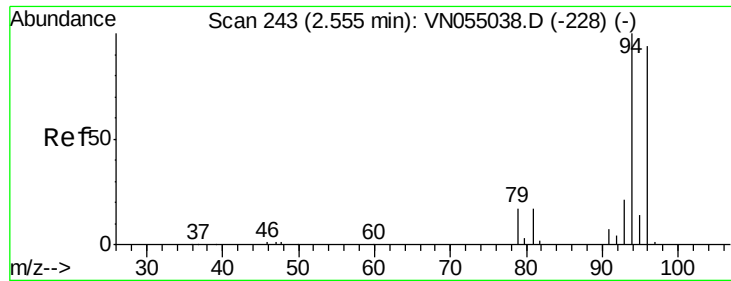
Tgt Ion: 62 Resp: 98172

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.6





#5

Bromomethane

Concen: 20.157 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tot Ion: 94 Resp: 57332

Ion Ratio Lower Upper

94 100

96 91.9 76.2 114.4

Instrument :

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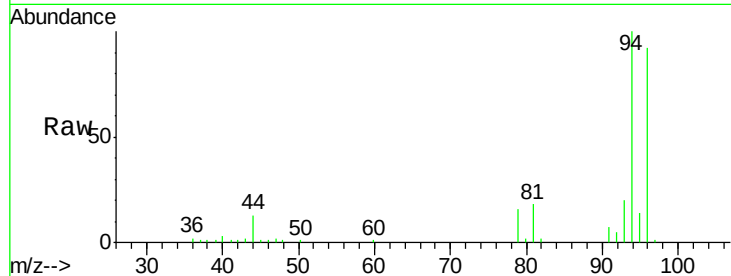
VN0416WBS02

Manual Integrations

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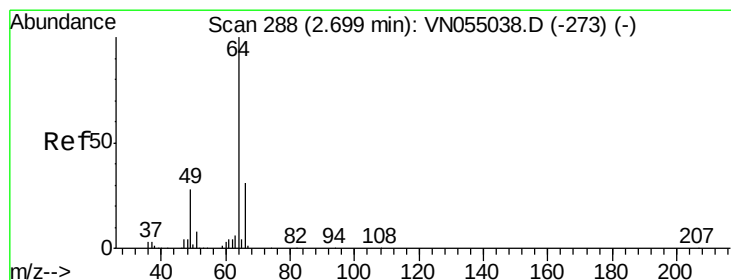
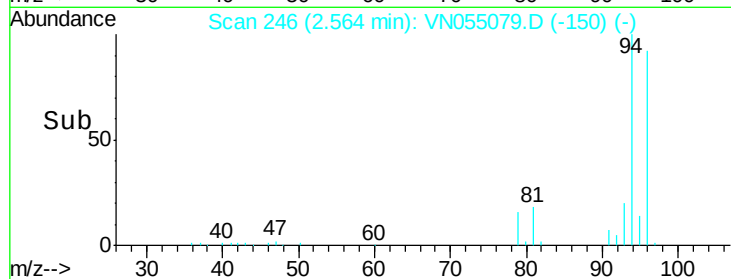
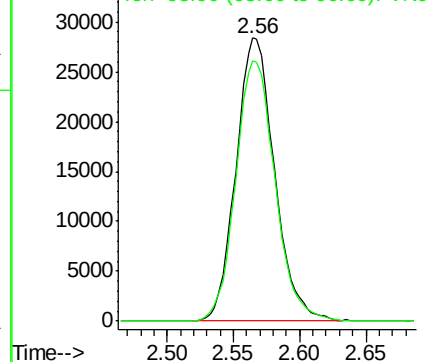
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.412 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055079.D

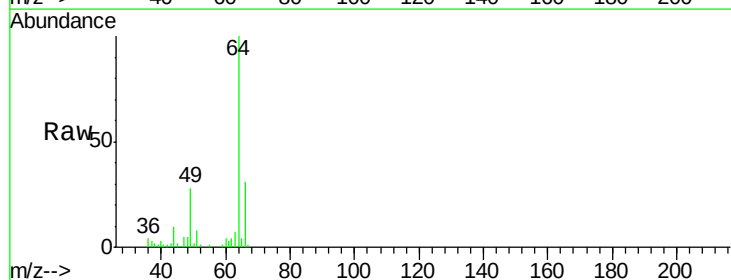
Acq: 16 Apr 2019 15:33

Tgt Ion: 64 Resp: 55345

Ion Ratio Lower Upper

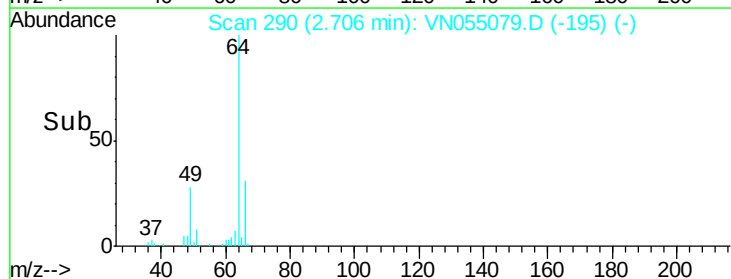
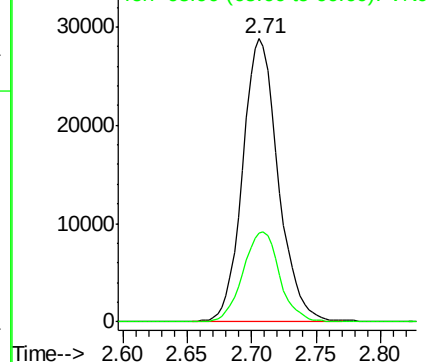
64 100

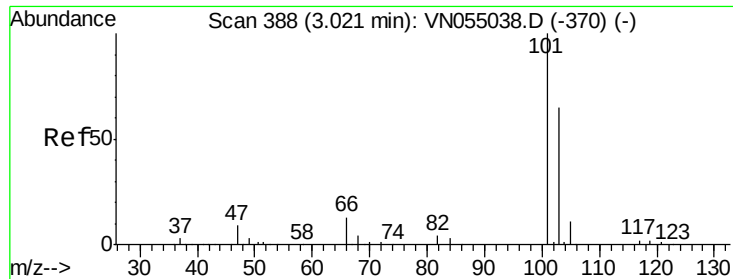
66 31.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

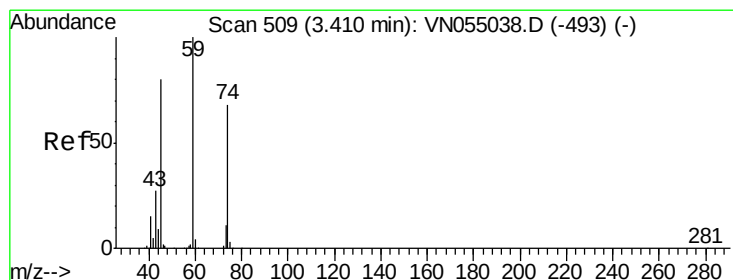
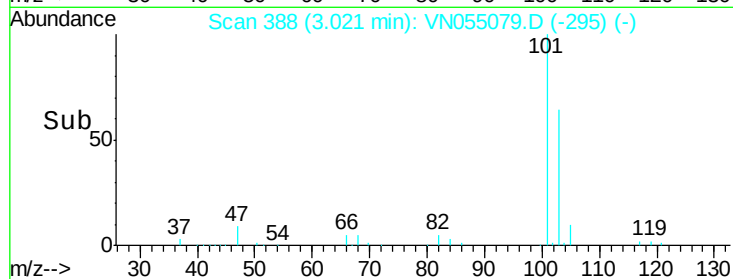
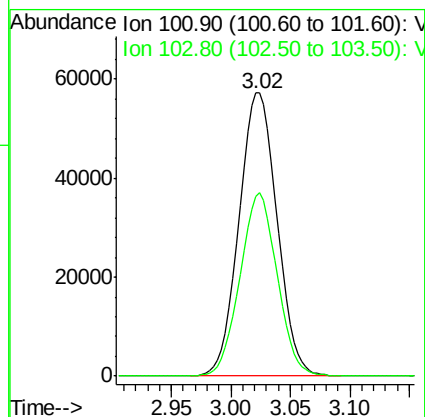
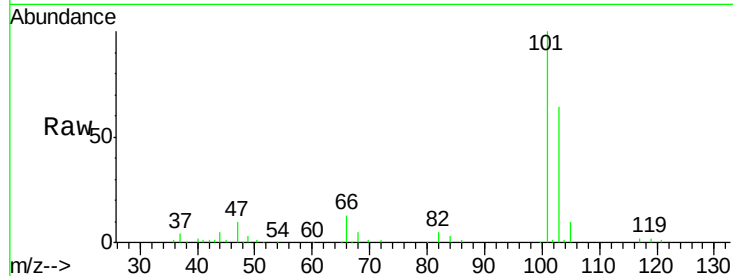
Trichlorofluoromethane
Concen: 20.175 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

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VN0416WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.5	78.7

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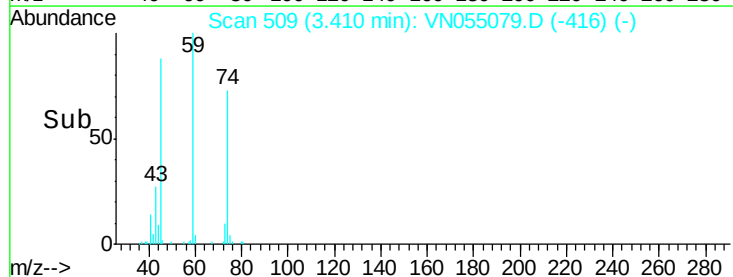
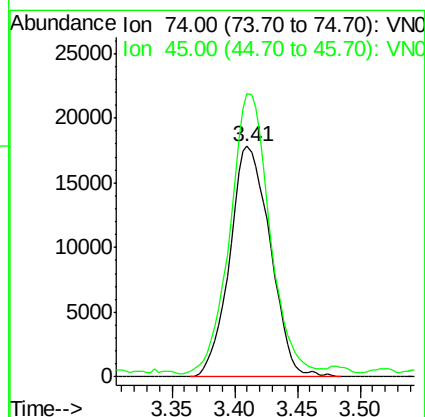
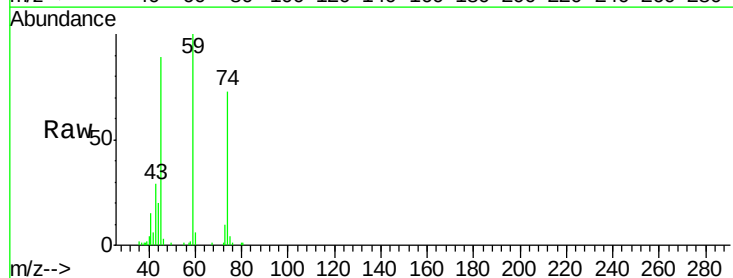
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4/17/2019 4:23:08 AM

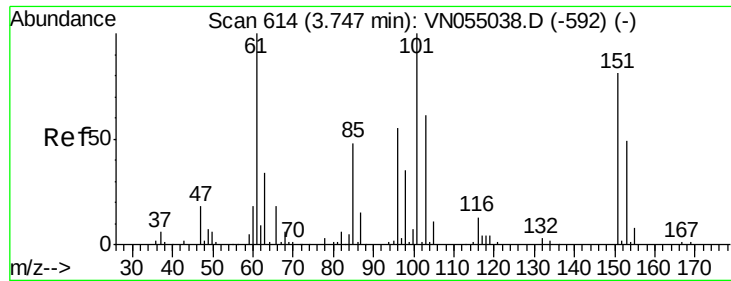


#8

Diethyl Ether
Concen: 19.926 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.9	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.046 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

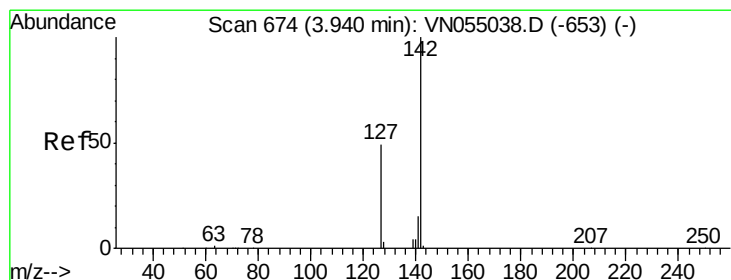
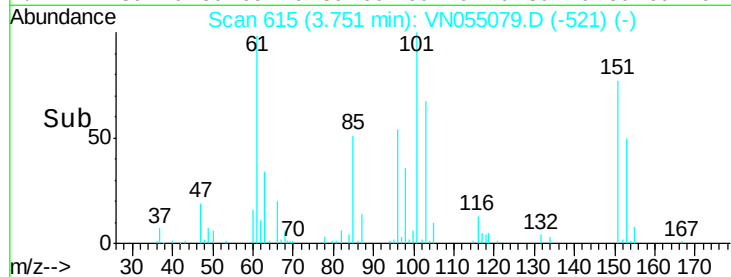
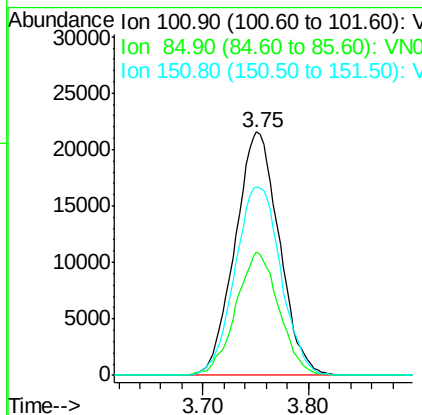
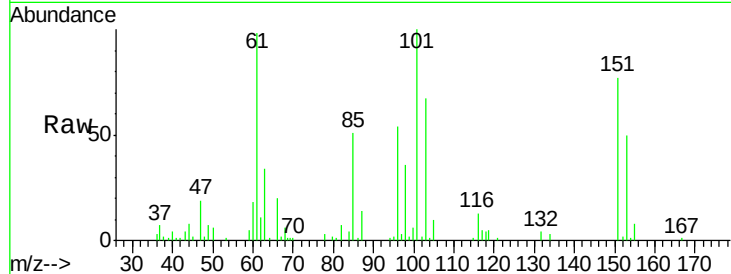
ClientSampleId :

VN0416WBS02

Tot Ion:	101	Resp:	62673
Ion Ratio	Lower	Upper	
101	100		
85	49.5	36.9	55.3
151	80.5	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 23.113 ug/l

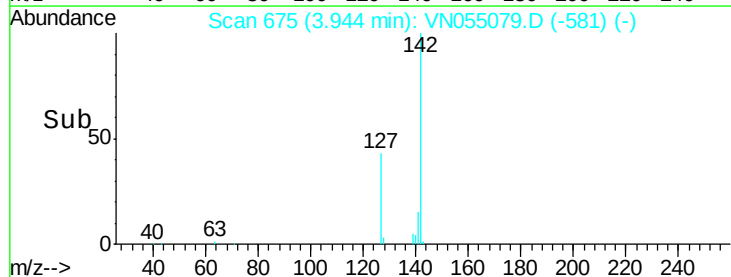
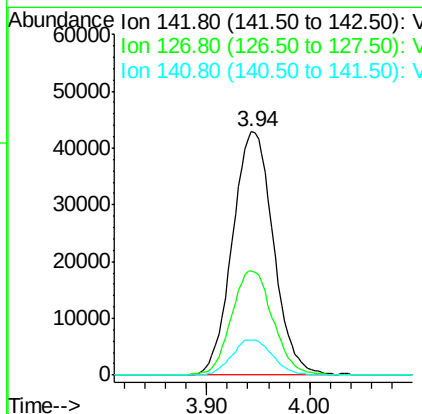
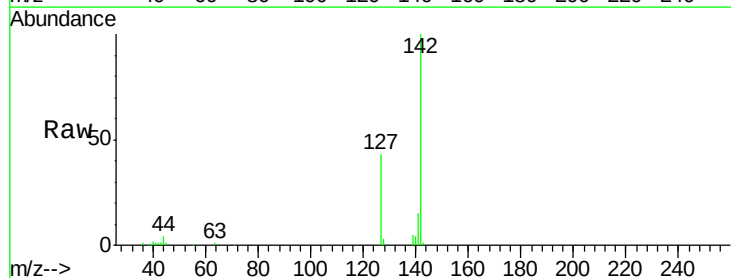
RT: 3.94 min Scan# 675

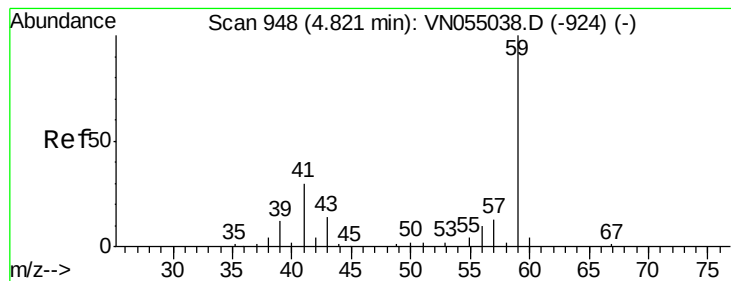
Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	142	Resp:	118025
Ion Ratio	Lower	Upper	
142	100		
127	43.5	37.9	56.9
141	14.4	11.8	17.8





#11

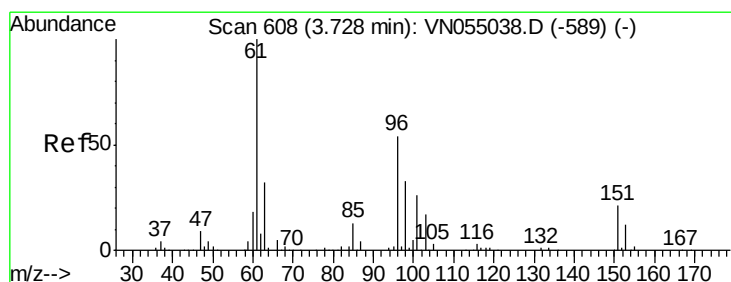
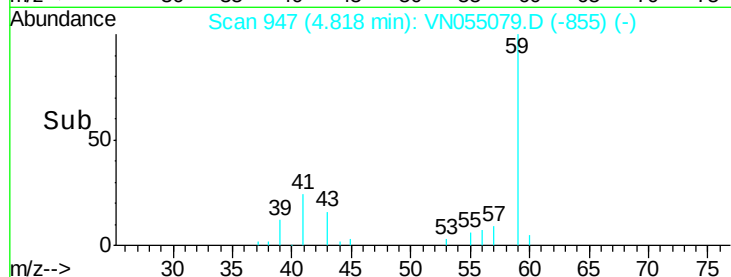
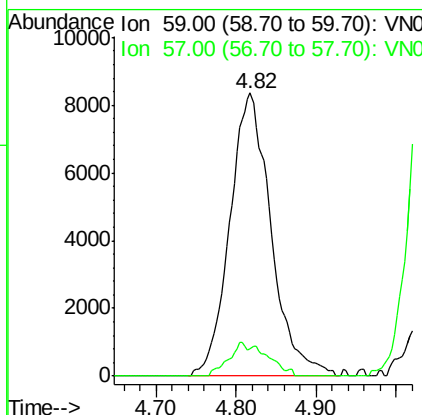
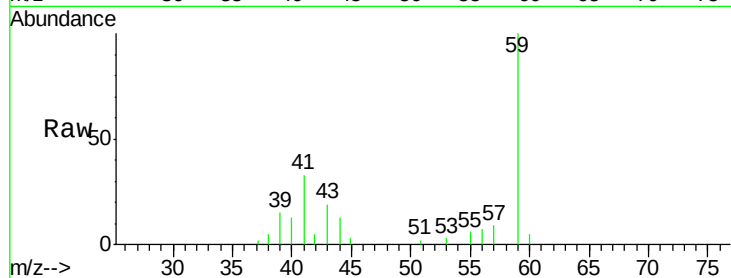
Tert butyl alcohol
 Concen: 99.670 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

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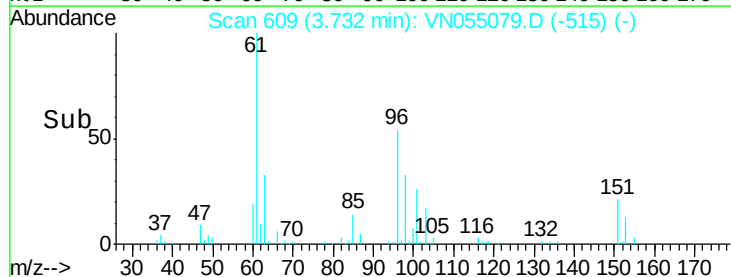
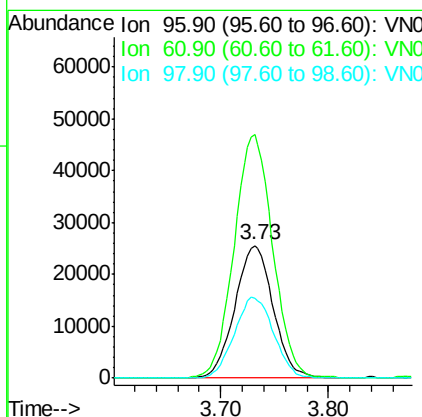
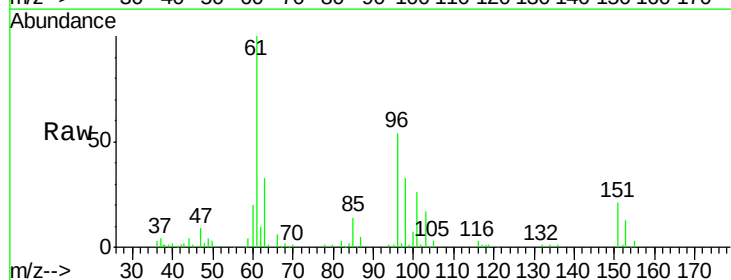
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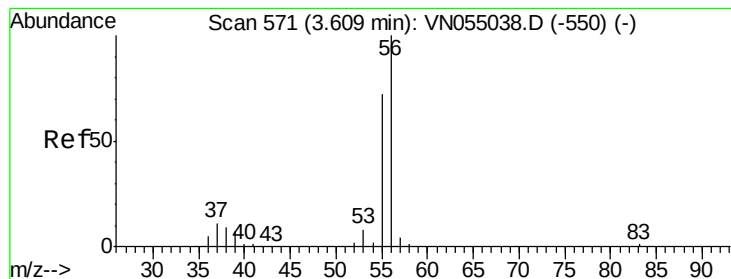


#12

1,1-Dichloroethene
 Concen: 19.661 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.0	154.2	231.4
98	60.4	52.9	79.3





#13

Acrolein

Concen: 82.821 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS02

Tot Ion: 56 Resp: 30100

Ion Ratio Lower Upper

56 100

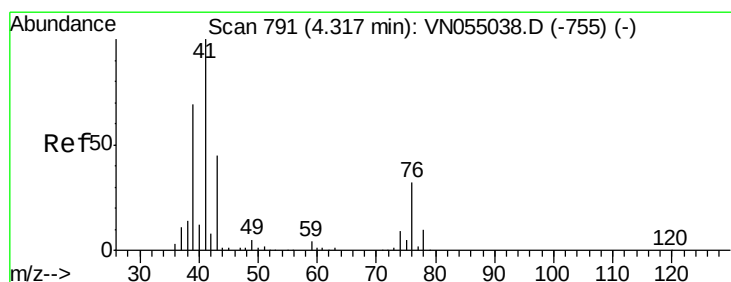
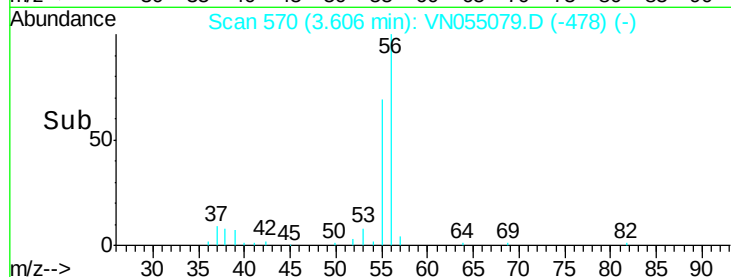
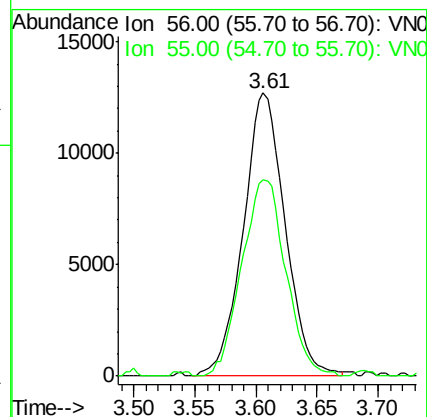
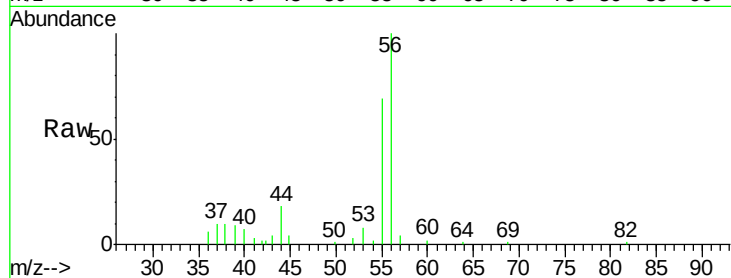
55 73.0 59.5 89.3

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#14

Allyl chloride

Concen: 19.826 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

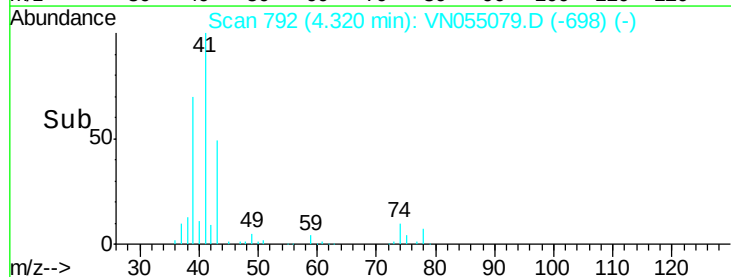
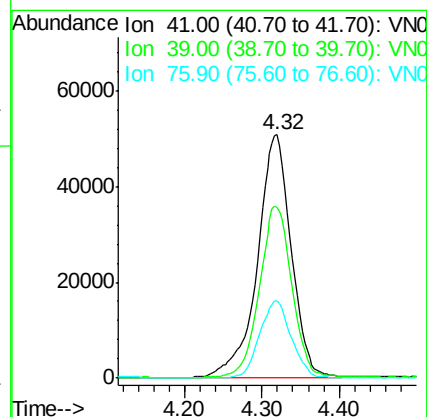
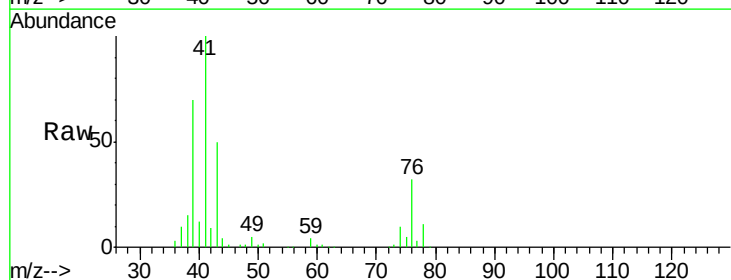
Tgt Ion: 41 Resp: 155438

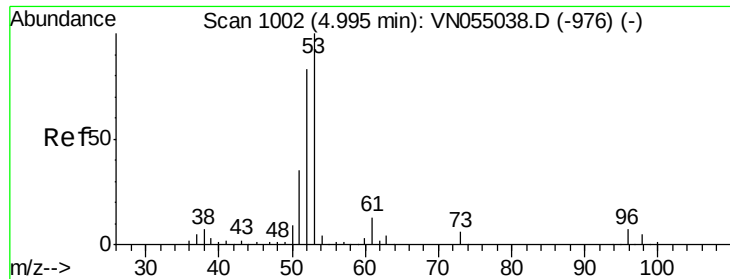
Ion Ratio Lower Upper

41 100

39 66.6 52.7 79.1

76 29.5 23.2 34.8





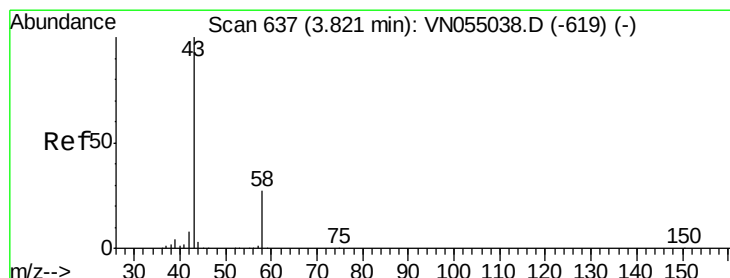
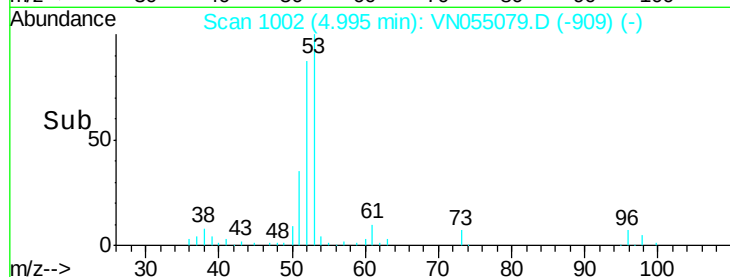
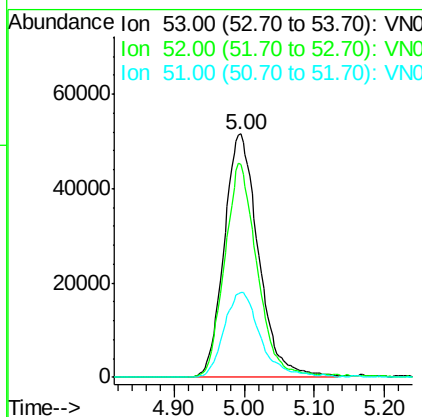
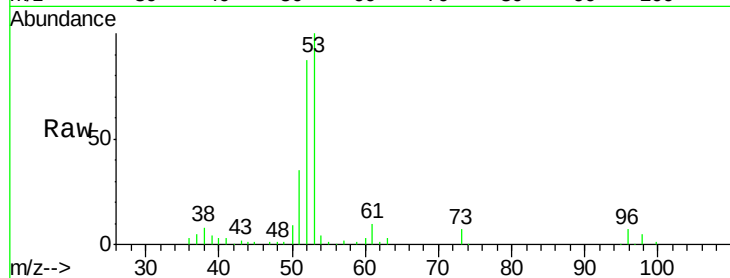
#15
 Acrylonitrile
 Concen: 99.865 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.9	98.9
51	35.9	29.7	44.5

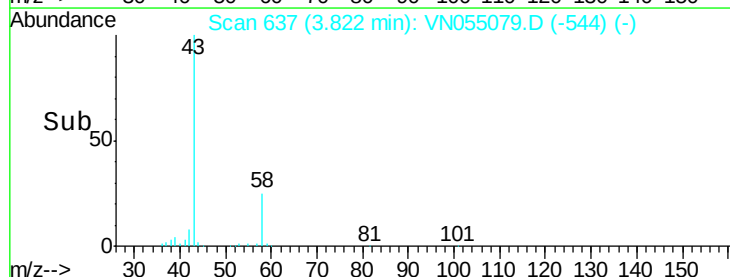
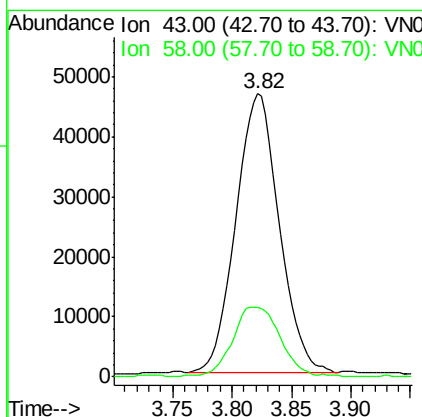
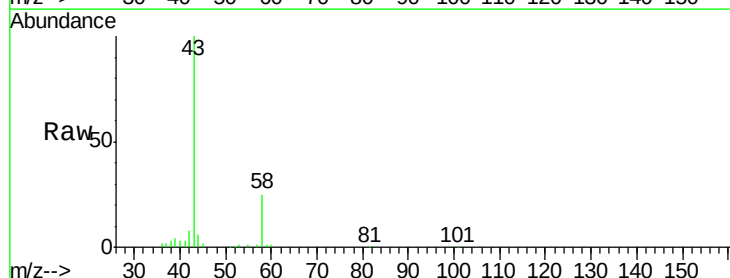
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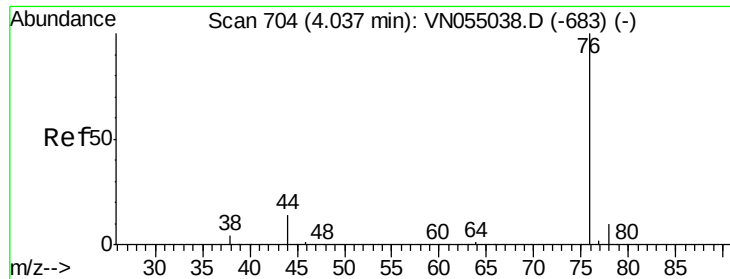
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#16
 Acetone
 Concen: 80.405 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.5	20.9	31.3





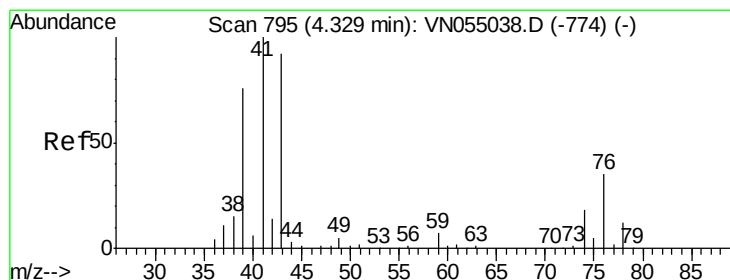
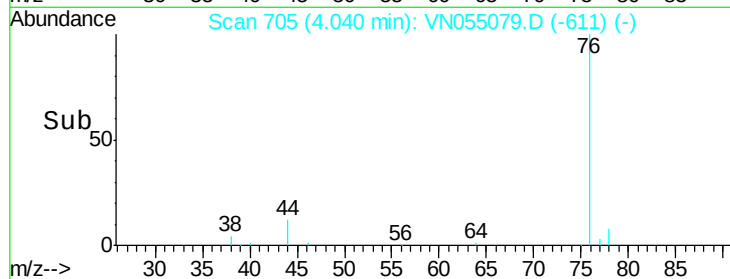
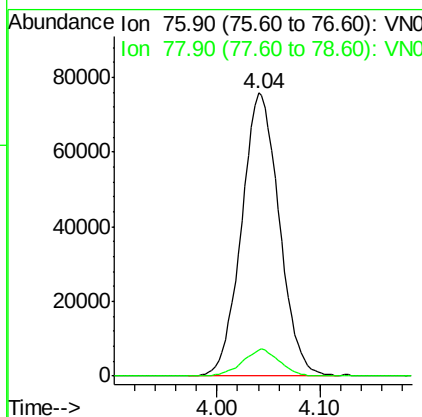
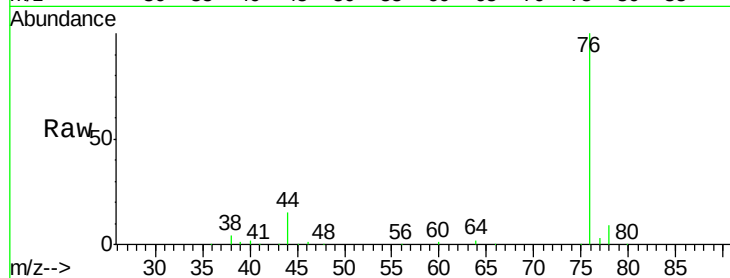
#17
Carbon Disulfide
Concen: 18.617 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion: 76 Resp: 192488
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

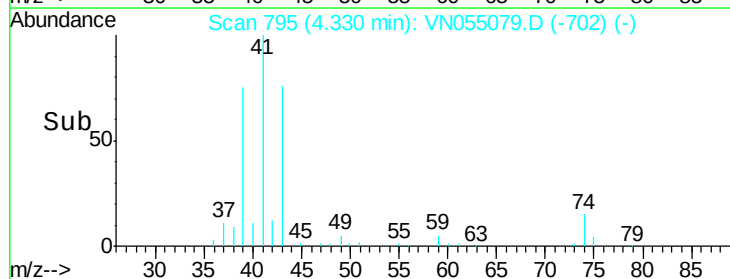
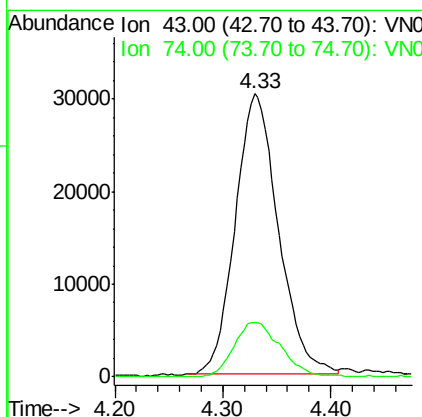
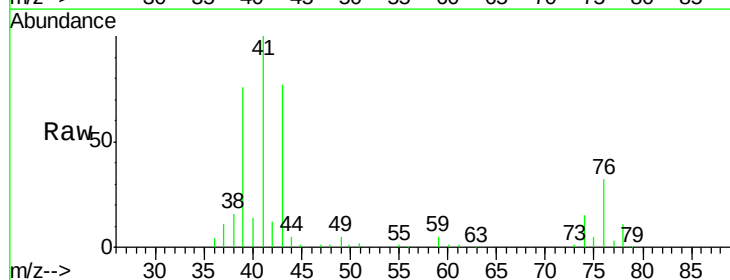
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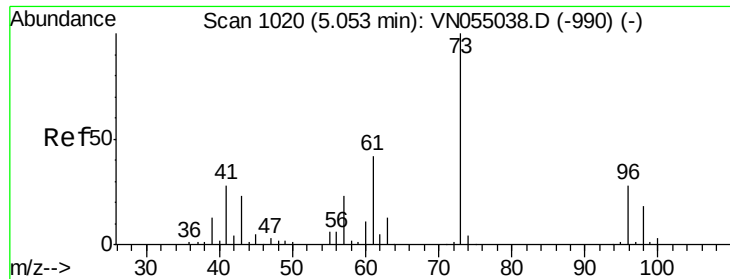
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#18
Methyl Acetate
Concen: 19.851 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion: 43 Resp: 84404
Ion Ratio Lower Upper
43 100
74 20.9 16.1 24.1





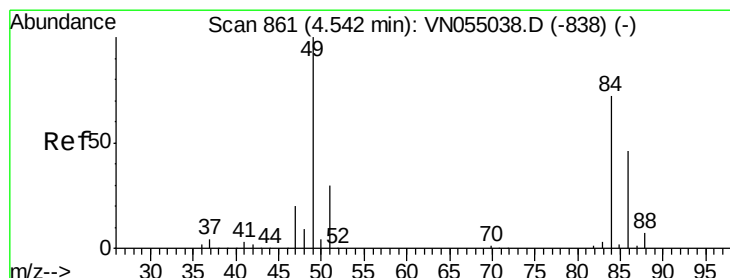
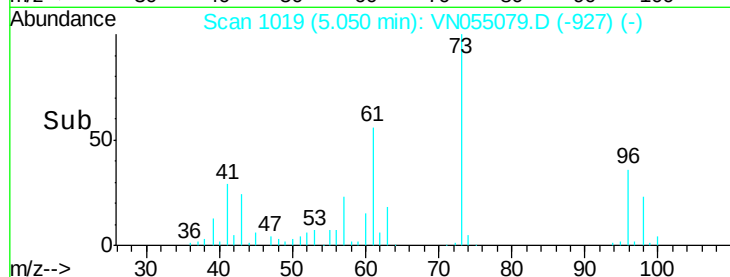
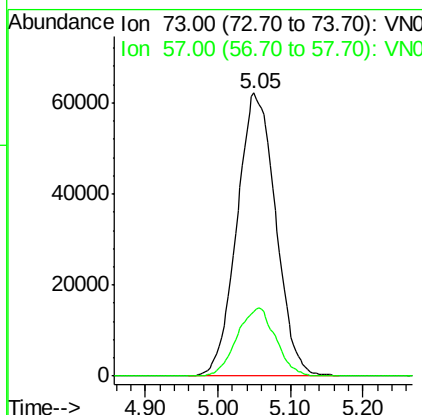
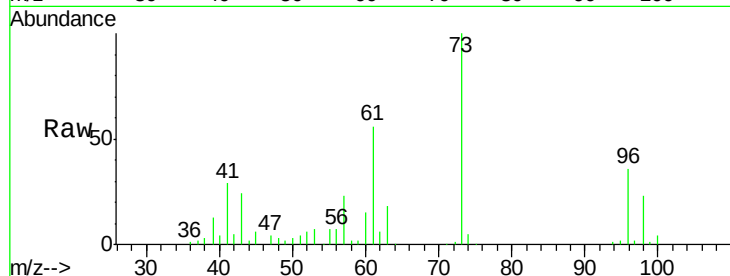
#19
Methyl tert-butyl Ether
Concen: 20.182 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion: 73 Resp: 231241
Ion Ratio Lower Upper
73 100
57 22.7 19.0 28.4

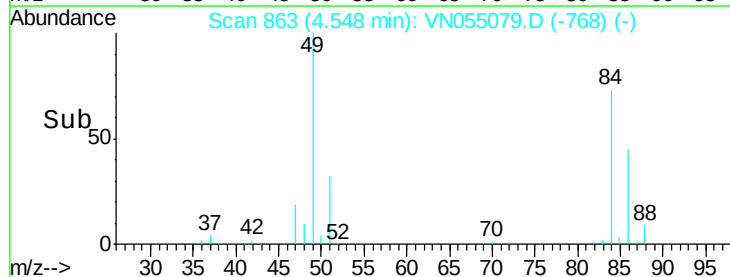
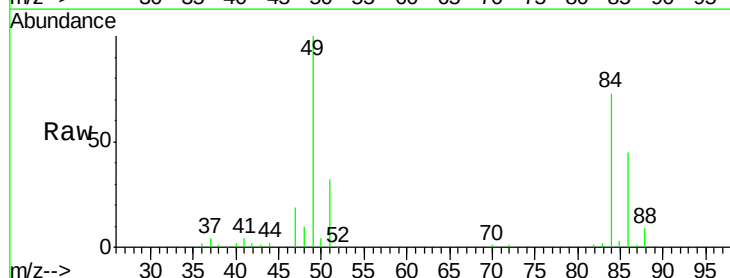
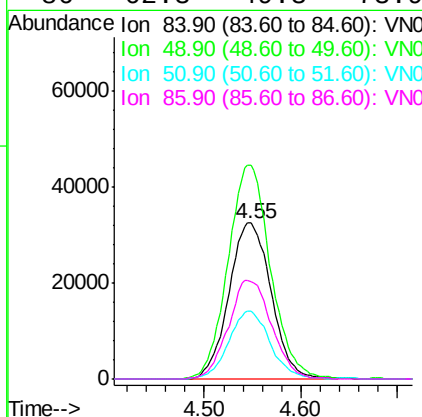
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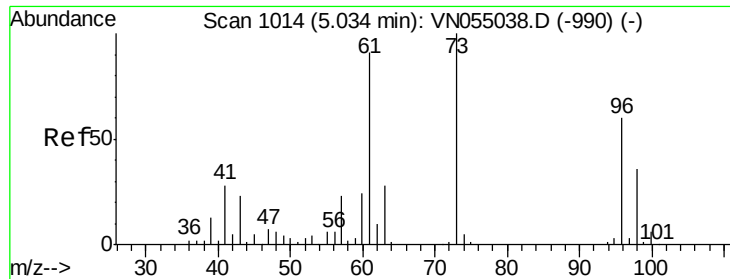
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#20
Methylene Chloride
Concen: 19.251 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion: 84 Resp: 98526
Ion Ratio Lower Upper
84 100
49 136.2 109.4 164.2
51 43.5 32.2 48.4
86 62.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.339 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS02

Tot Ion: 96 Resp: 83775

Ion Ratio Lower Upper

96 100

61 158.2 114.9 172.3

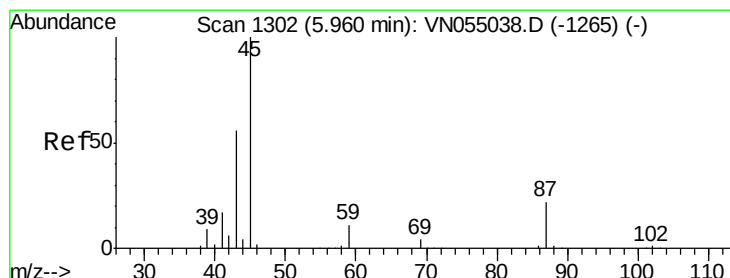
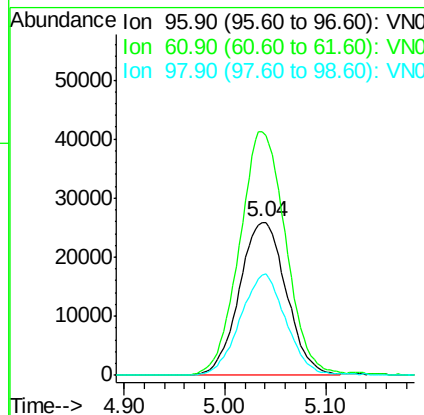
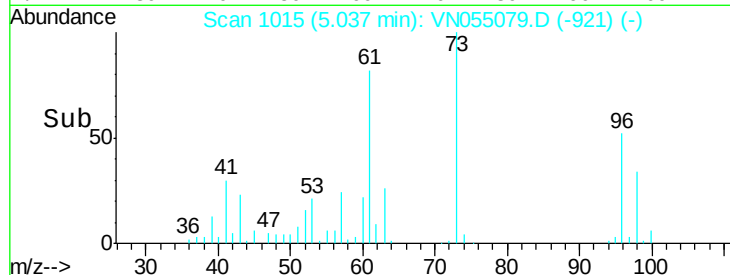
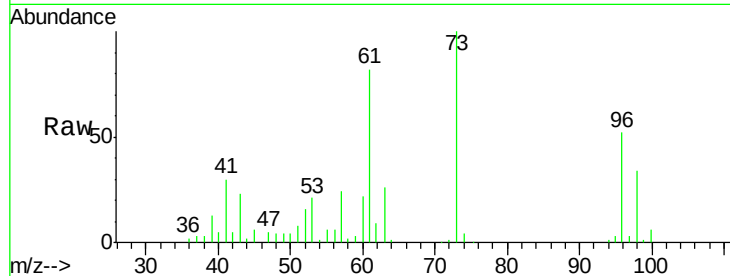
98 65.4 48.4 72.6

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#22

Diisopropyl ether

Concen: 20.771 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion: 45 Resp: 334767

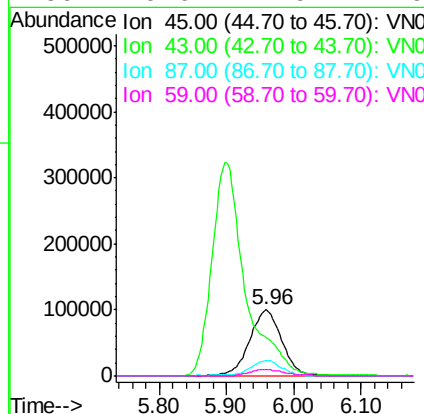
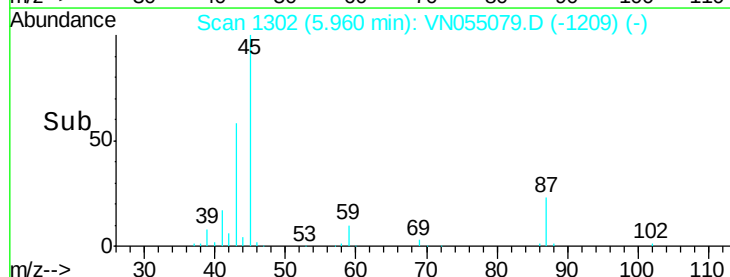
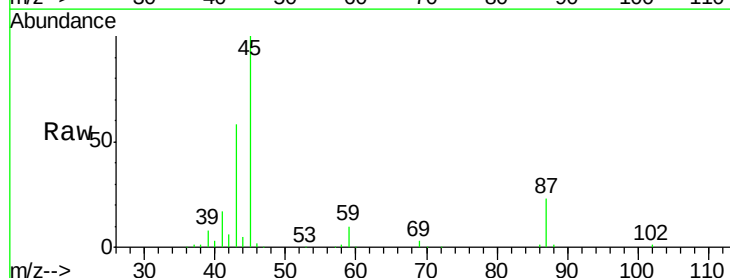
Ion Ratio Lower Upper

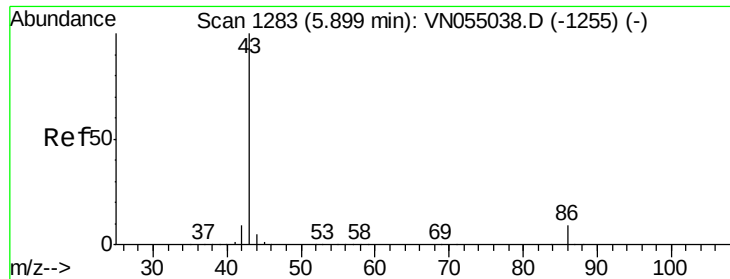
45 100

43 56.0 44.8 67.2

87 22.9 18.9 28.3

59 9.6 7.9 11.9





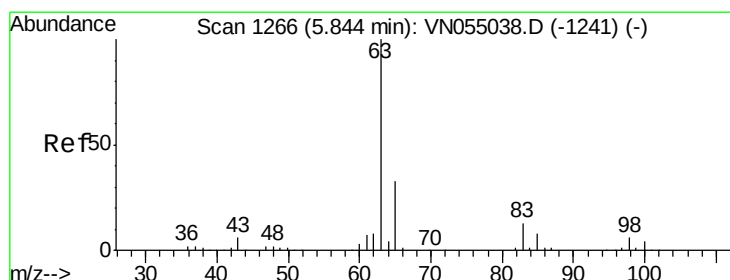
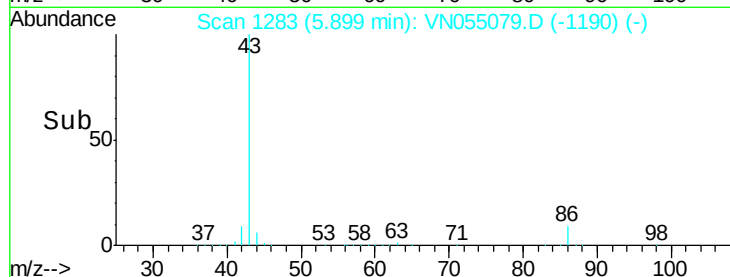
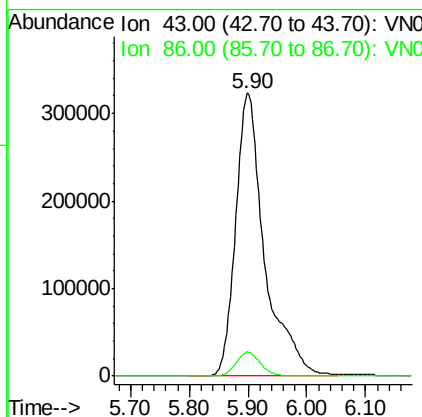
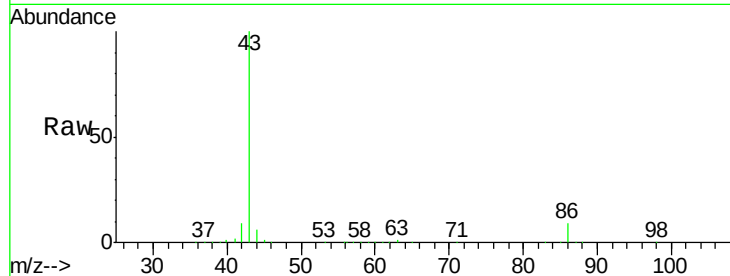
#23
 Vinyl Acetate
 Concen: 104.864 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion: 43 Resp: 1117146
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.0 10.4

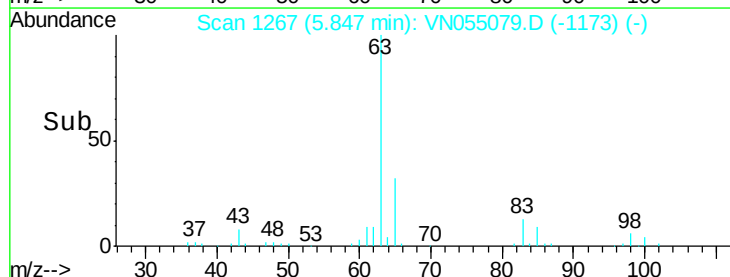
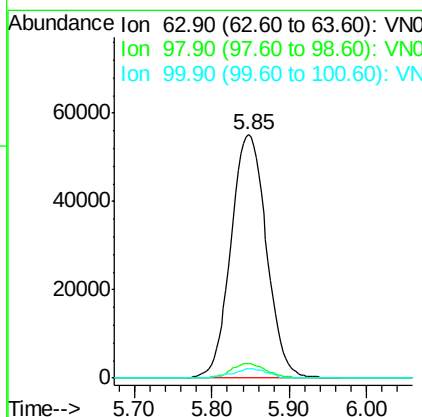
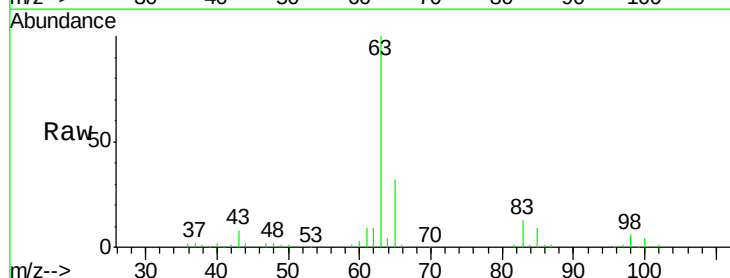
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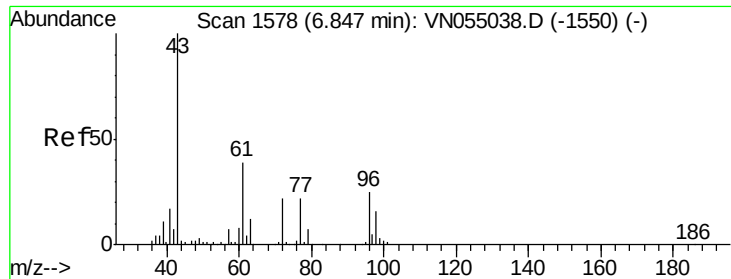
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#24
 1,1-Dichloroethane
 Concen: 20.492 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion: 63 Resp: 175881
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.8 2.0 5.8





#25

2-Butanone

Concen: 93.402 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS02

Tot Ion: 43 Resp: 202959

Ion Ratio Lower Upper

43 100

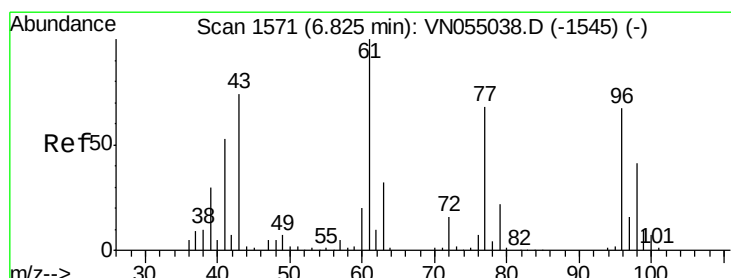
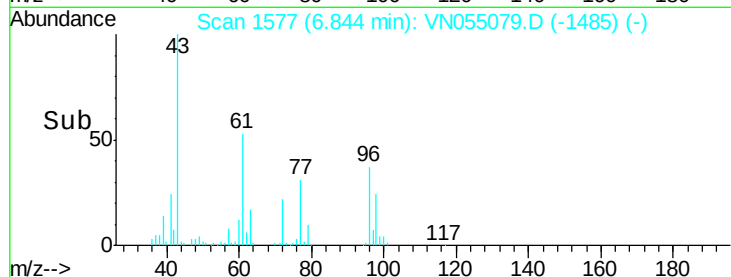
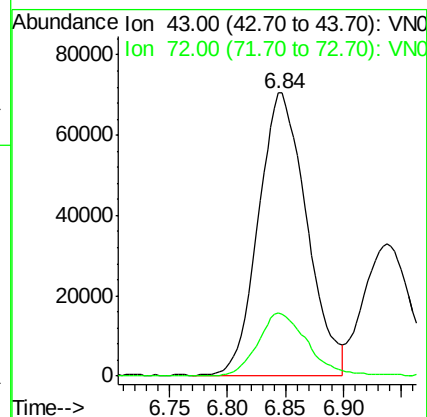
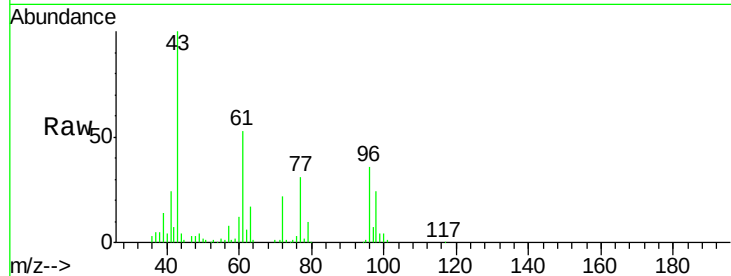
72 22.4 18.1 27.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.592 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN055079.D

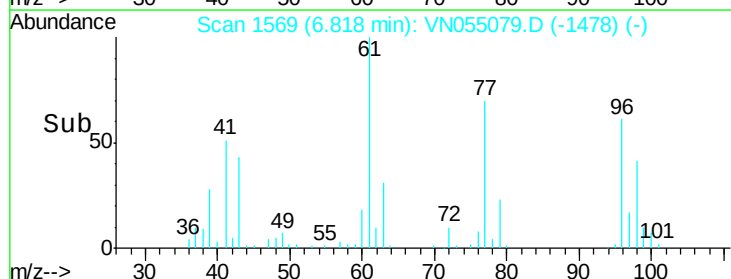
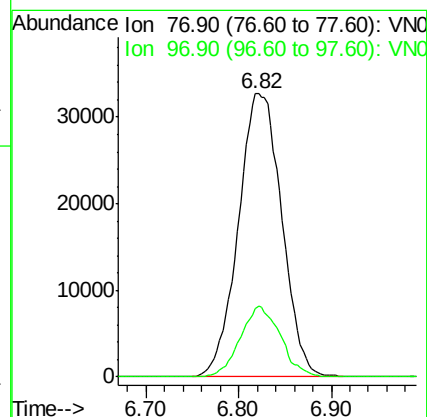
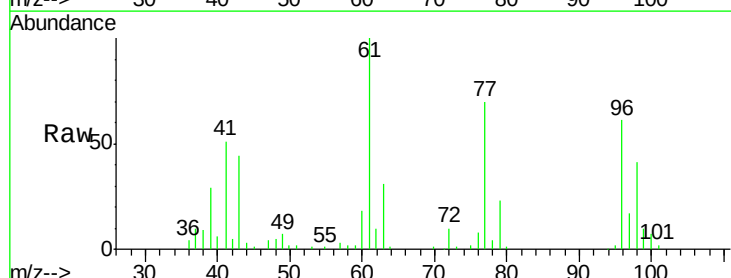
Acq: 16 Apr 2019 15:33

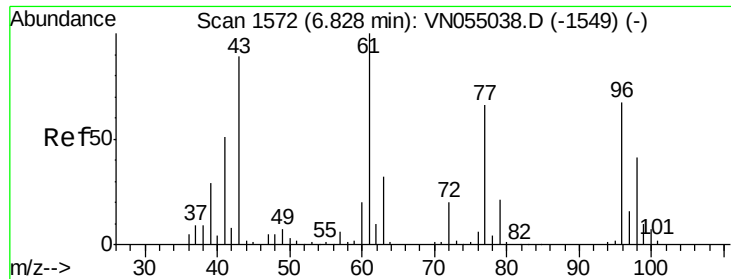
Tgt Ion: 77 Resp: 106134

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.9





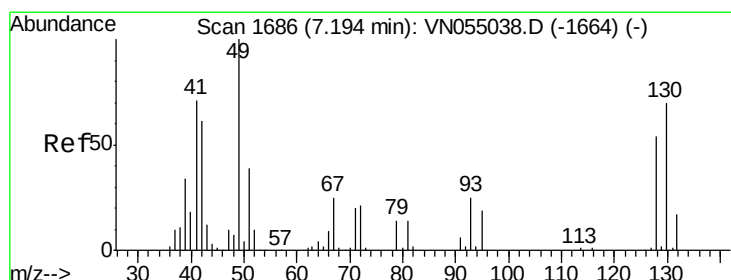
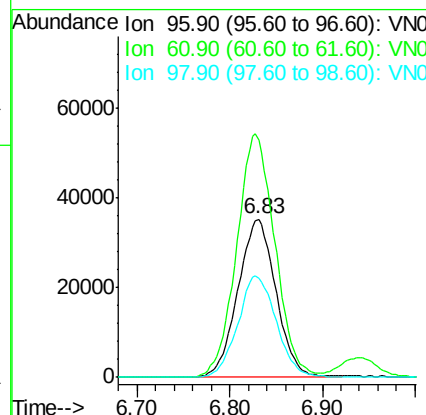
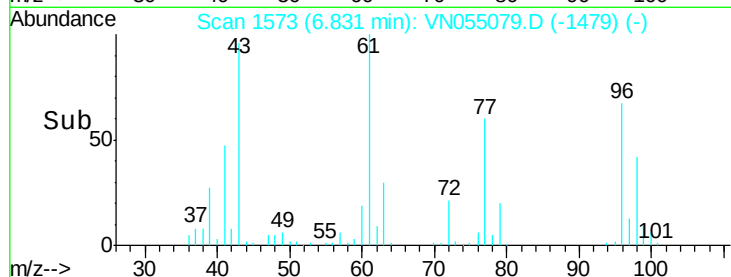
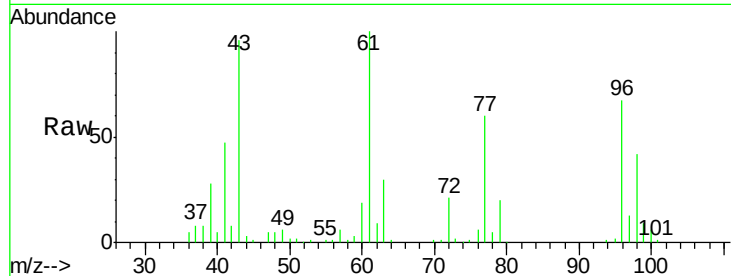
#27
 cis-1,2-Dichloroethene
 Concen: 20.487 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.9	0.0	311.0	
98	64.9	0.0	127.4	

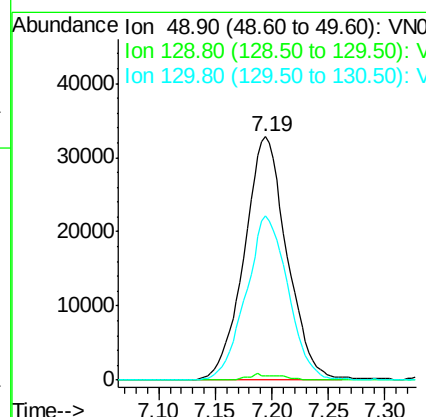
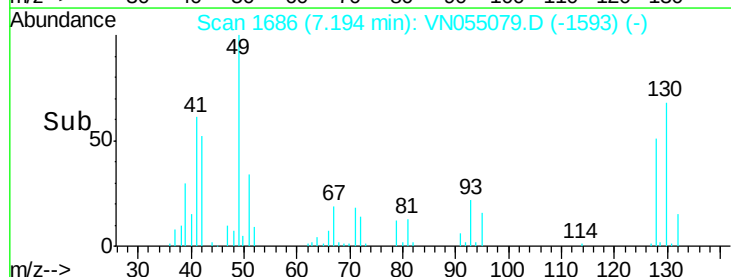
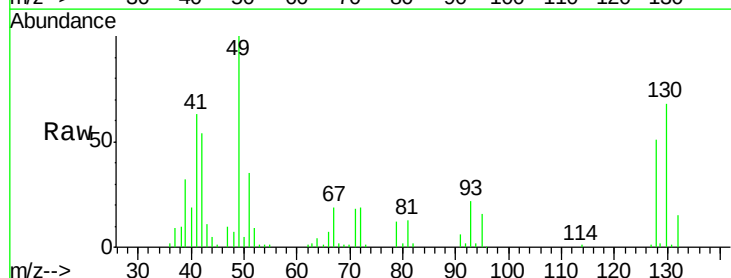
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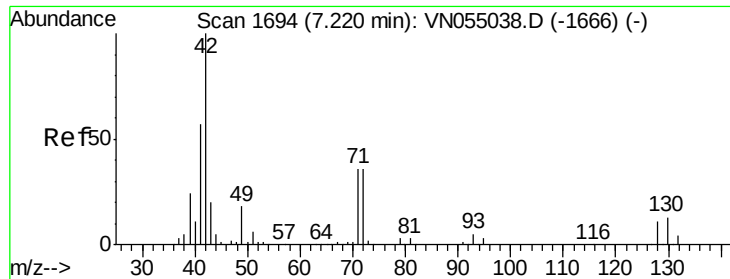
MMDadoda
 4/17/2019 4:23:08 AM



#28
 Bromochloromethane
 Concen: 20.805 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	2.0	
130	66.2	53.4	80.2	





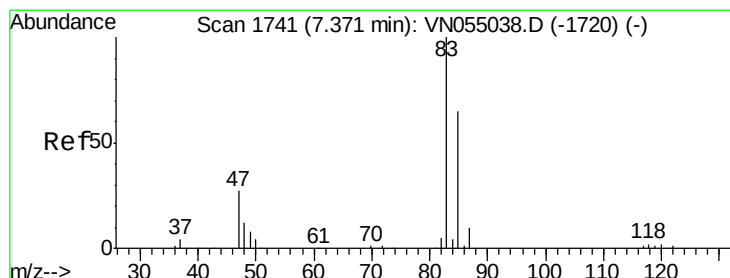
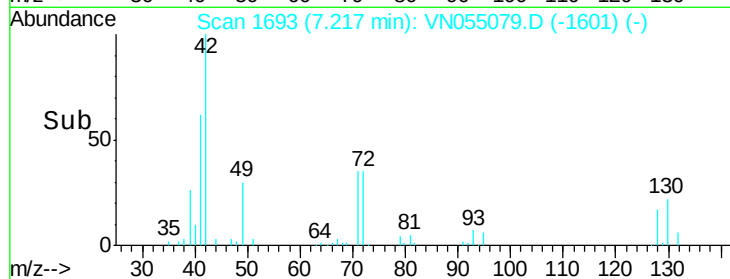
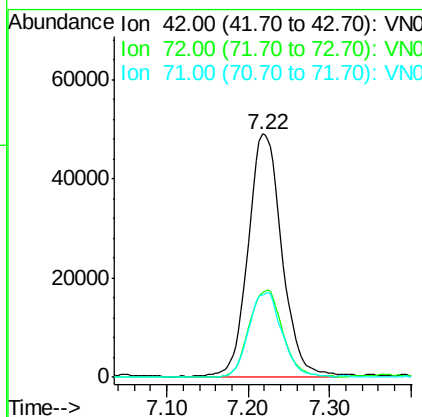
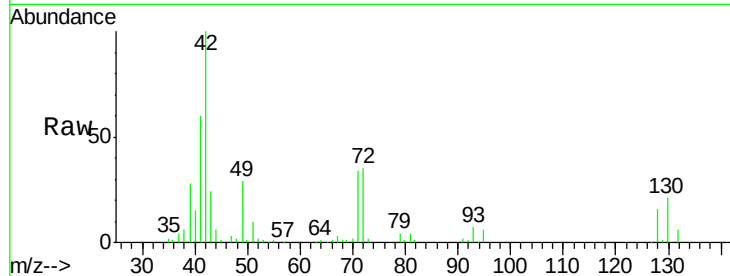
#29
Tetrahydrofuran
Concen: 97.301 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.4	44.0
71	34.8	27.8	41.6

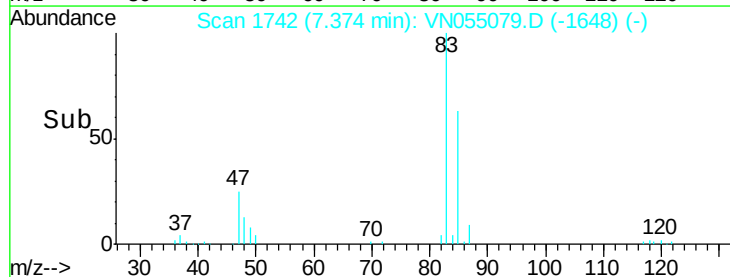
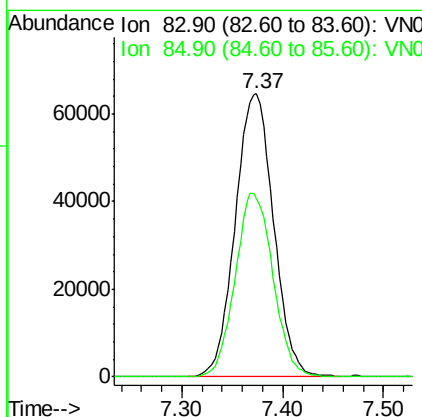
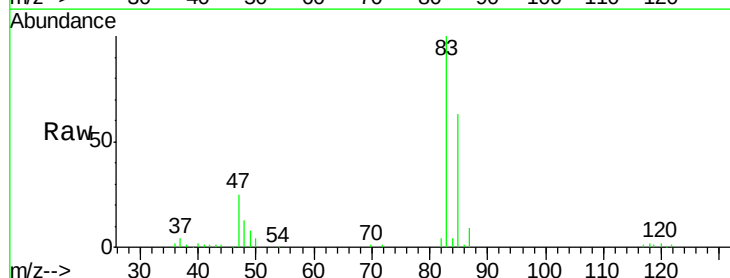
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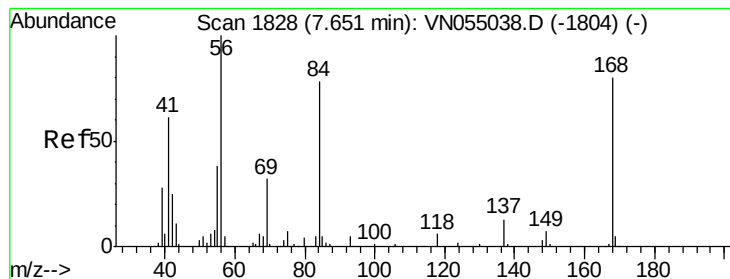
MMDadoda
4/17/2019 4:23:08 AM



#30
Chloroform
Concen: 20.415 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6





#31

Cyclohexane

Concen: 20.220 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS02

Tot Ion: 56 Resp: 159079

Ion Ratio Lower Upper

56 100

69 36.1 24.5 36.7

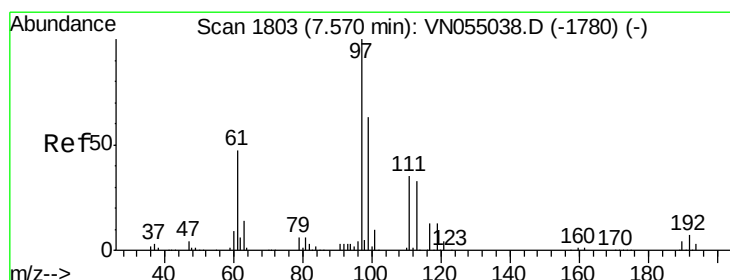
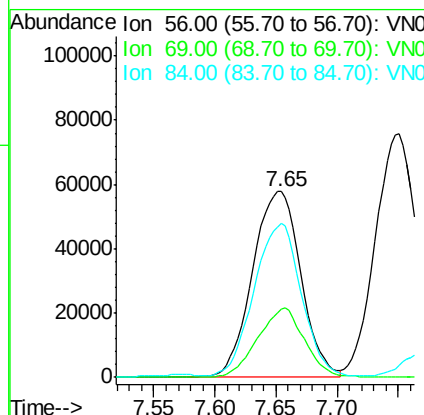
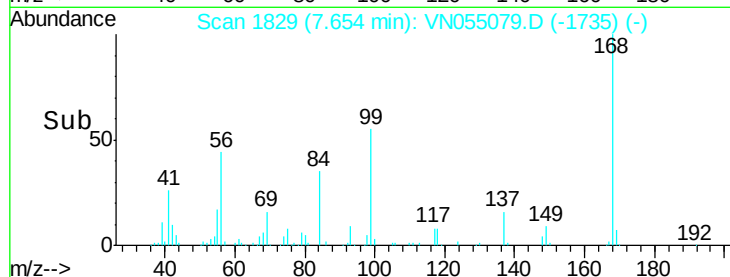
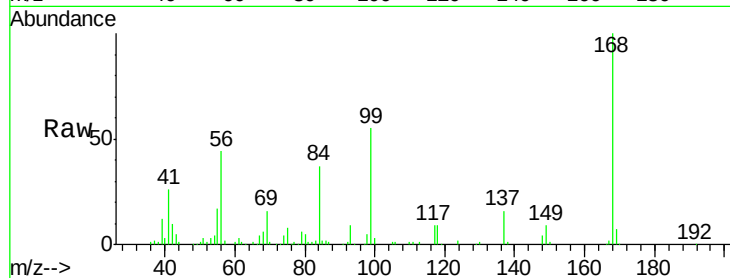
84 81.5 62.9 94.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.062 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

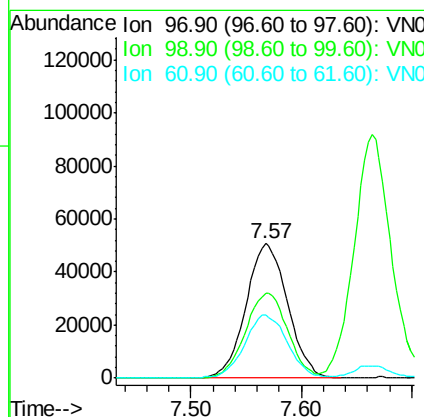
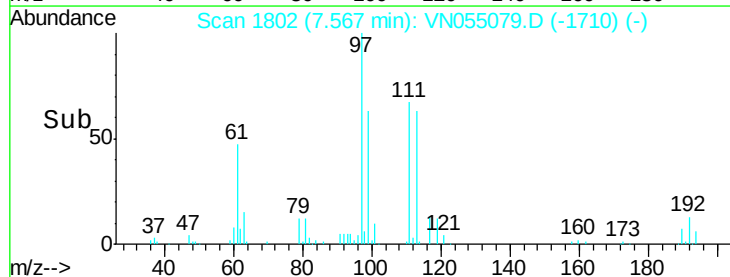
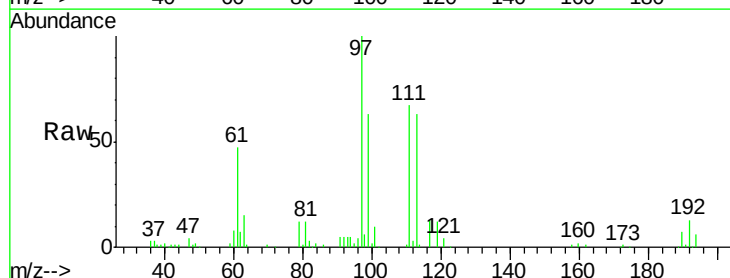
Tgt Ion: 97 Resp: 132512

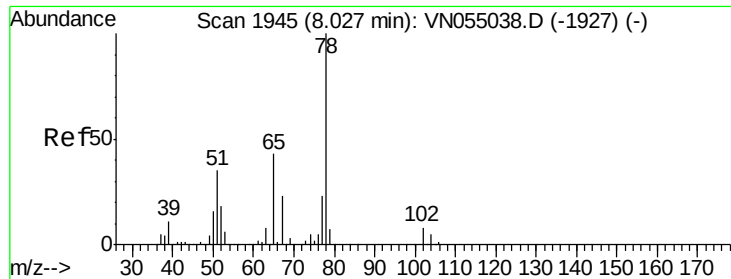
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 48.2 38.3 57.5





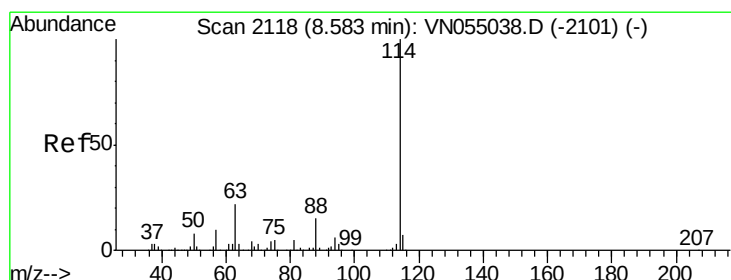
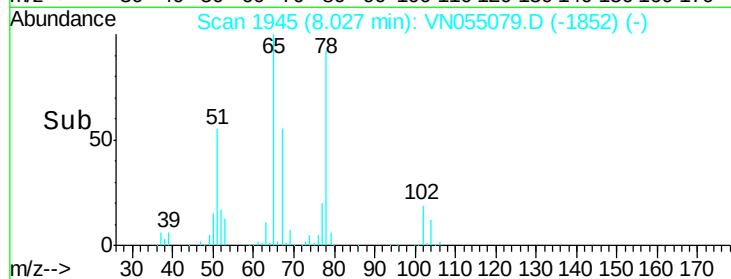
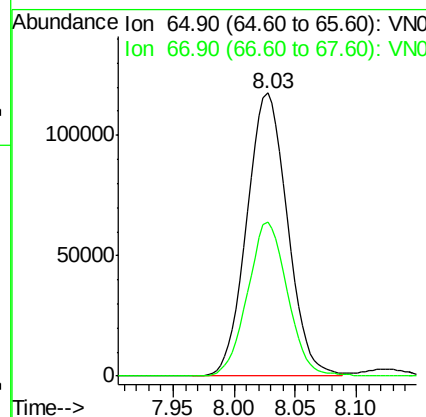
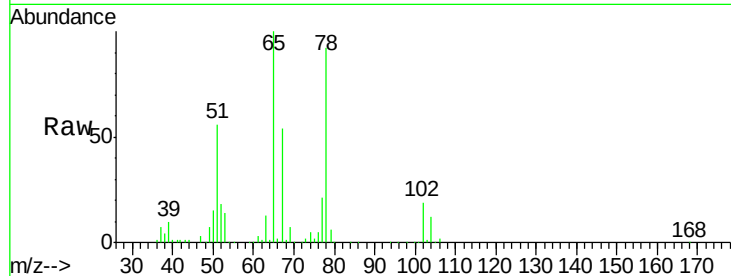
#33
 1,2-Dichloroethane-d4
 Concen: 50.517 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	106.4	

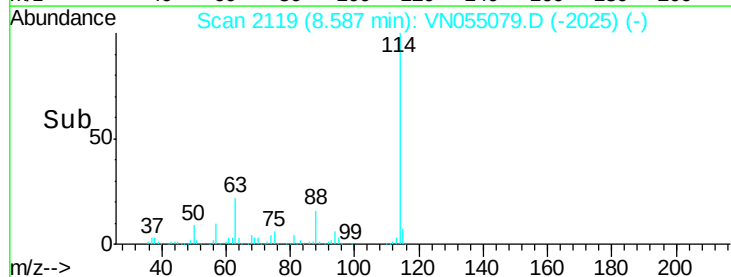
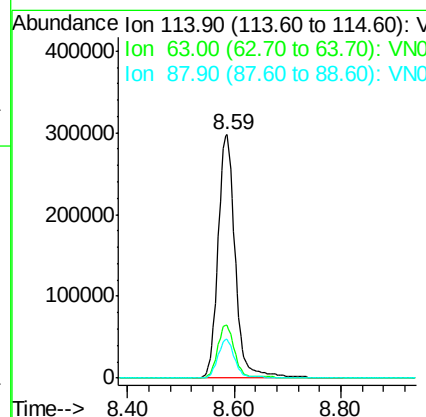
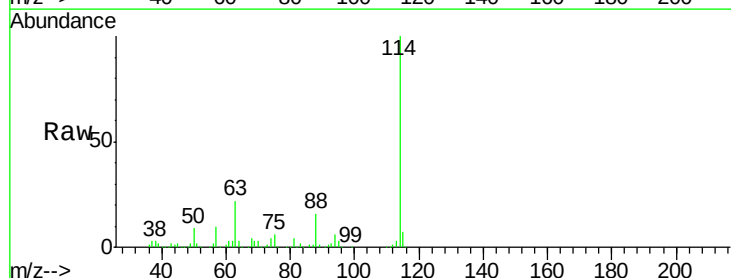
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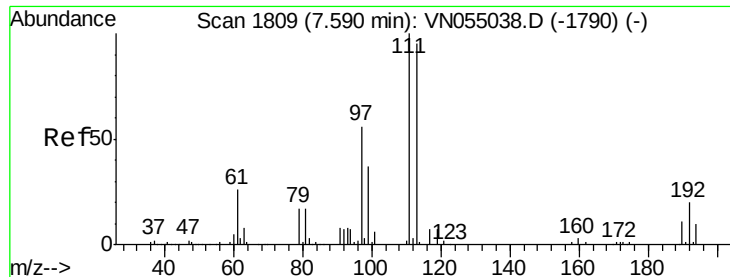
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.6	0.0	45.2	
88	15.7	0.0	31.8	





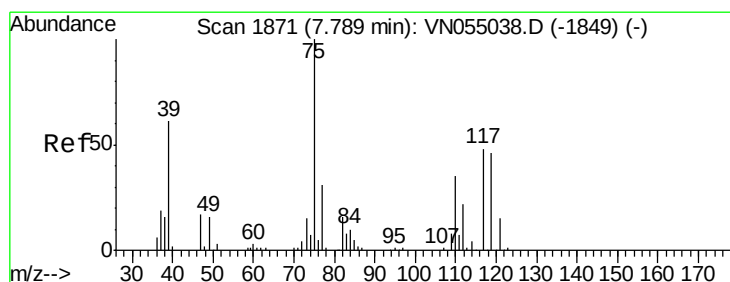
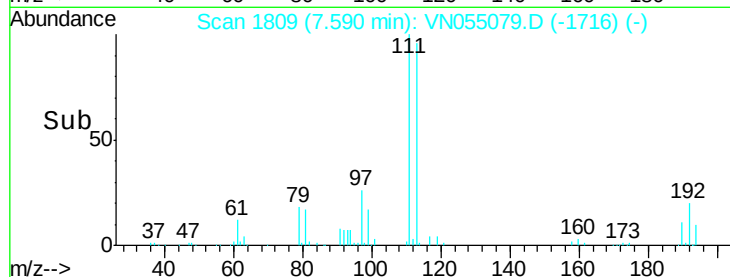
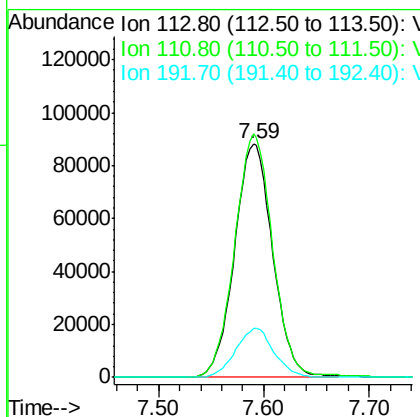
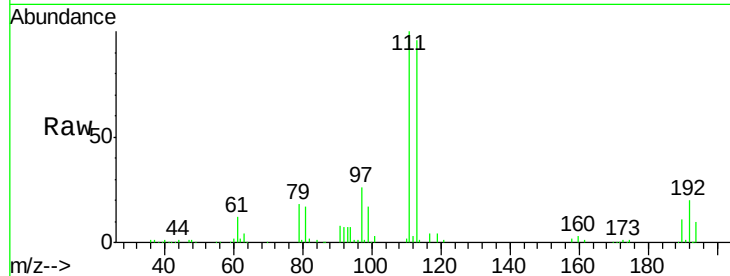
#35
 Dibromofluoromethane
 Concen: 49.414 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.9	82.1	123.1	
192	21.0	16.5	24.7	

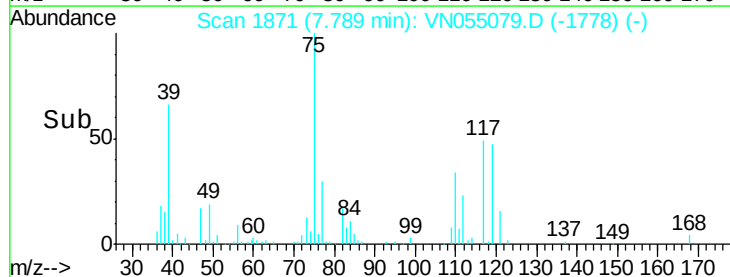
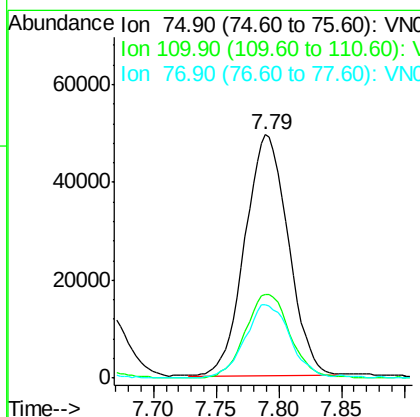
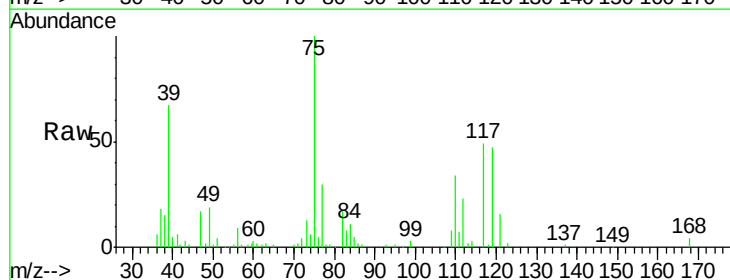
Manual Integrations
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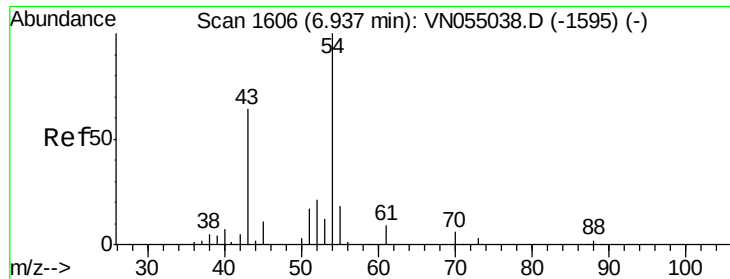
MMDadoda
 4/17/2019 4:23:08 AM



#36
 1,1-Dichloropropene
 Concen: 18.765 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	17.5	52.5	
77	32.0	24.9	37.3	





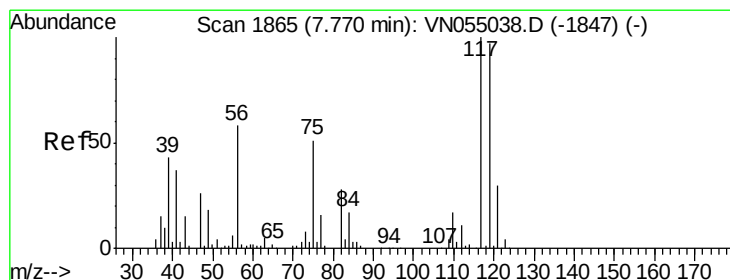
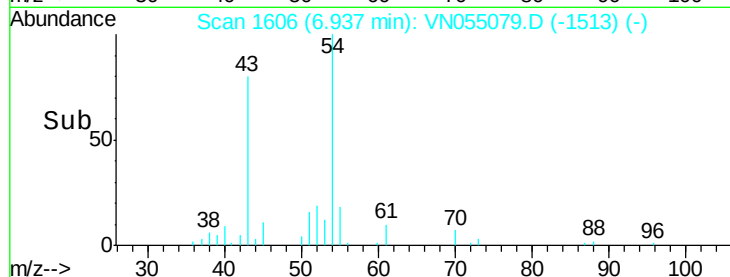
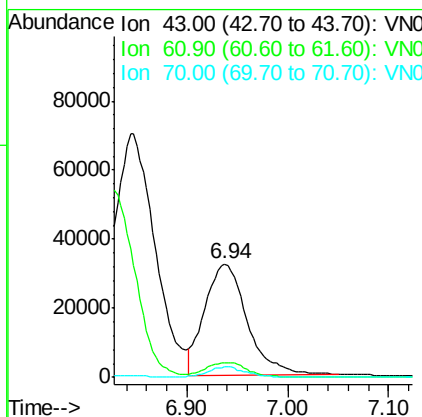
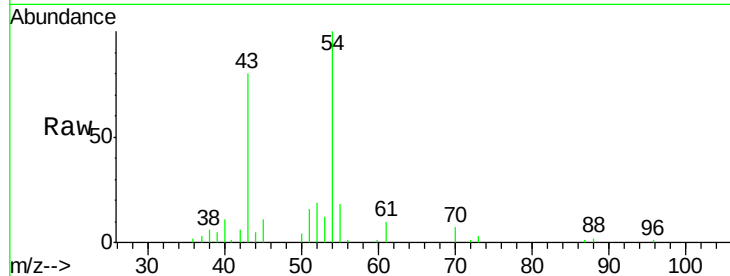
#37
Ethyl Acetate
Concen: 18.464 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	43	61	70
Resp	95026		
Ratio	100	13.3	8.5
Lower		10.0	7.1
Upper		15.0	10.7

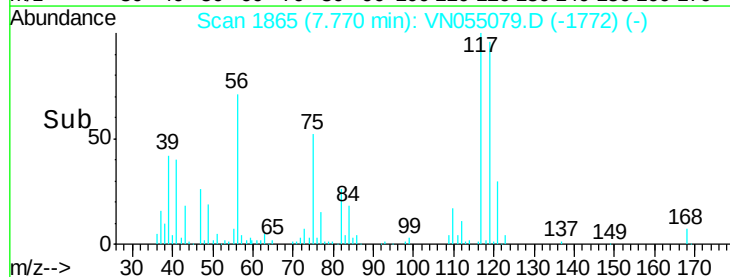
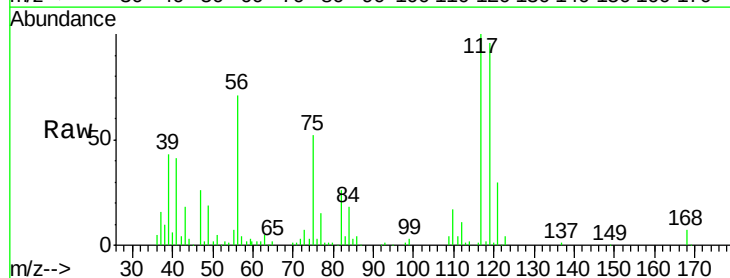
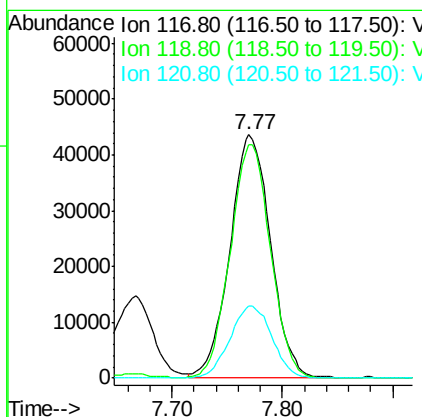
Manual Integrations
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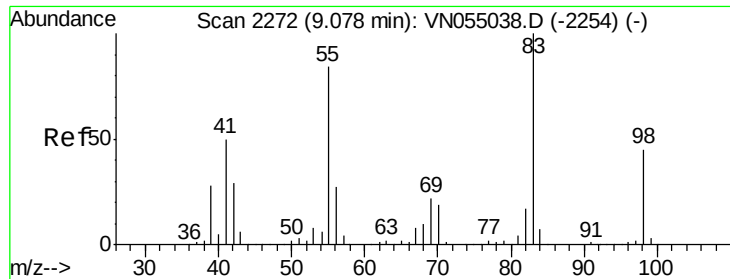
MMDadoda
4/17/2019 4:23:08 AM



#38
Carbon Tetrachloride
Concen: 18.580 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	117	119	121
Resp	111751		
Ratio	100	95.7	29.7
Lower		76.3	23.9
Upper		114.5	35.9





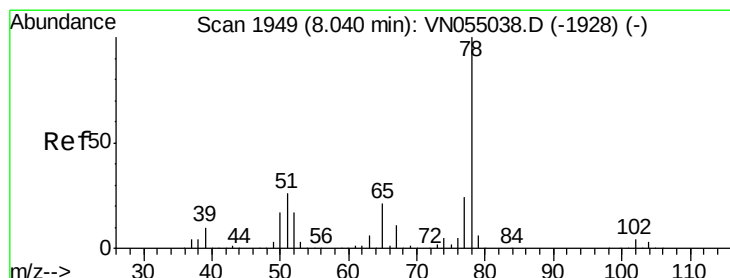
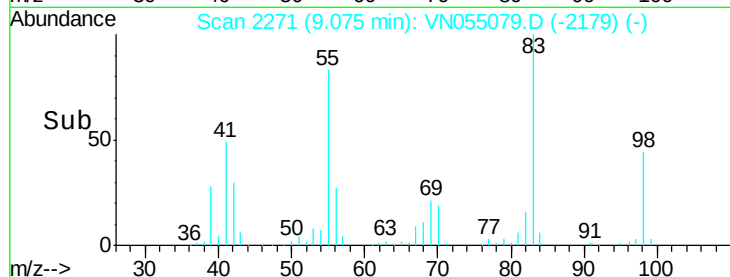
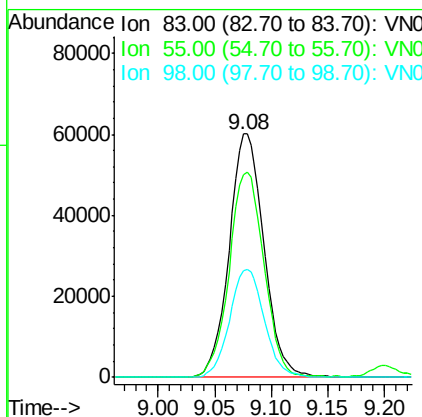
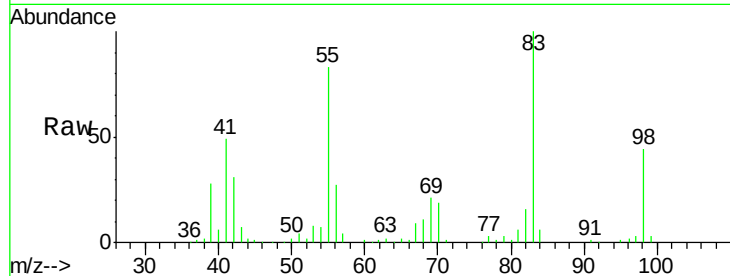
#39
Methylvlcyclohexane
Concen: 18.764 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	83	Resp	128544
Ion Ratio	Lower	Upper	
83	100		
55	83.2	67.0	100.4
98	43.8	35.6	53.4

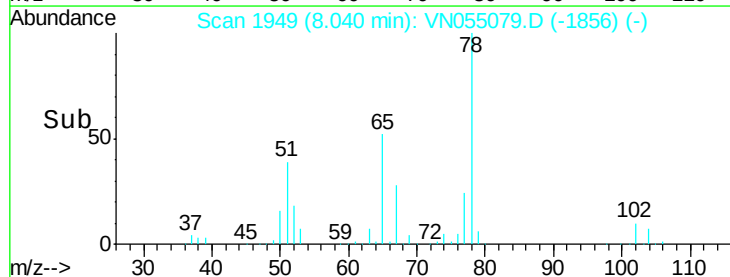
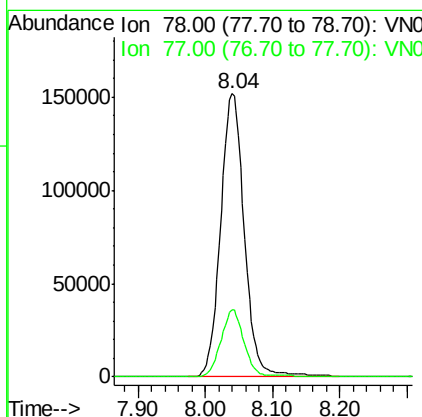
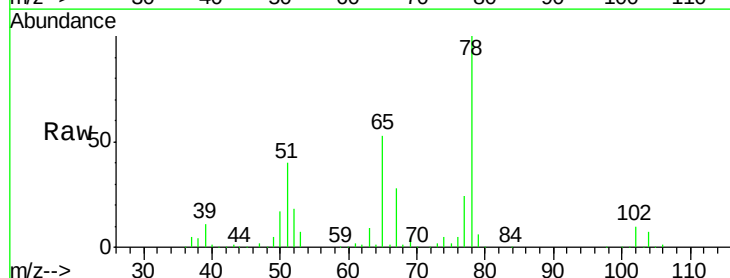
Manual Integrations
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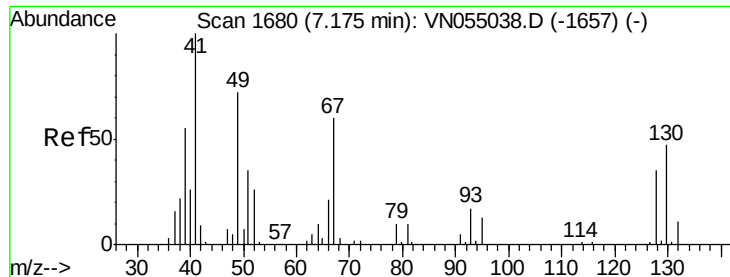
MMDadoda
4/17/2019 4:23:08 AM



#40
Benzene
Concen: 19.642 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	78	Resp	374233
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.8	28.2





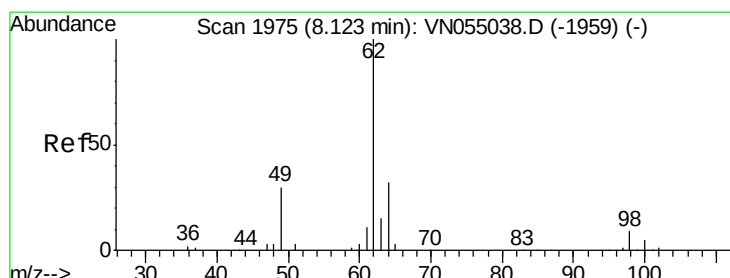
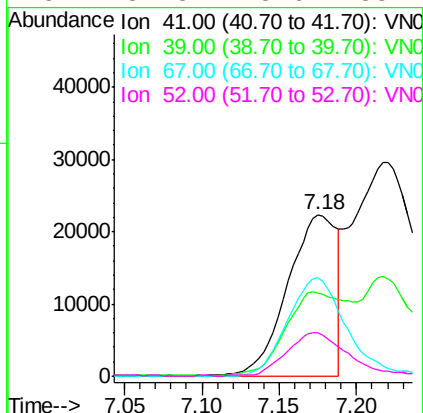
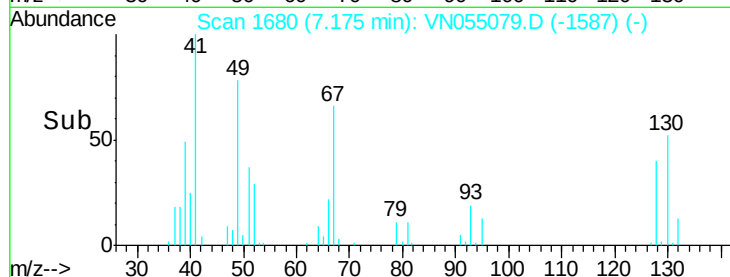
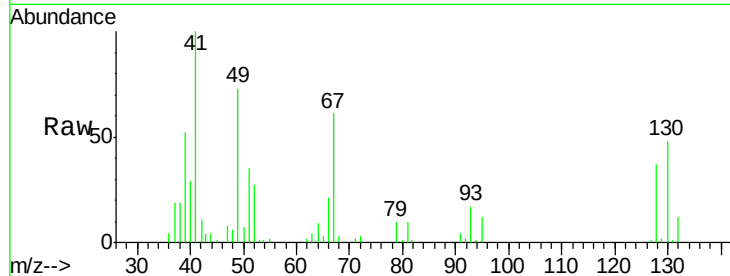
#41
Methacrylonitrile
Concen: 17.159 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion:	41	Resp:	49023
Ion	Ratio	Lower	Upper
41	100		
39	66.3	45.6	68.4
67	73.5	57.0	85.6
52	34.3	23.6	35.4

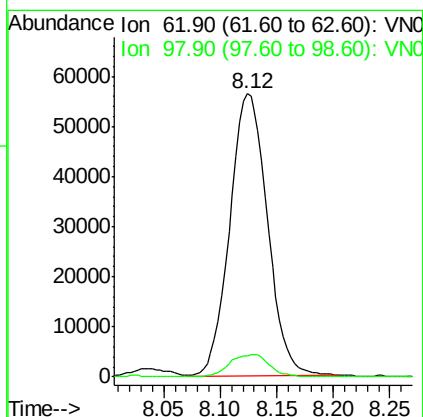
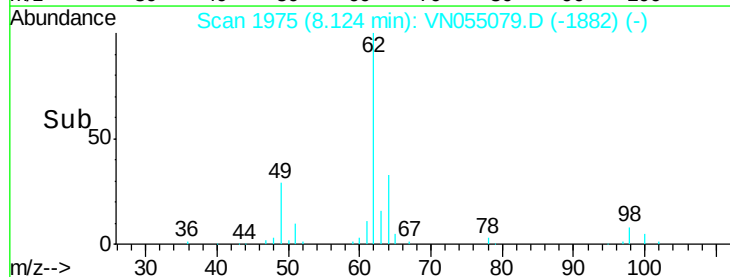
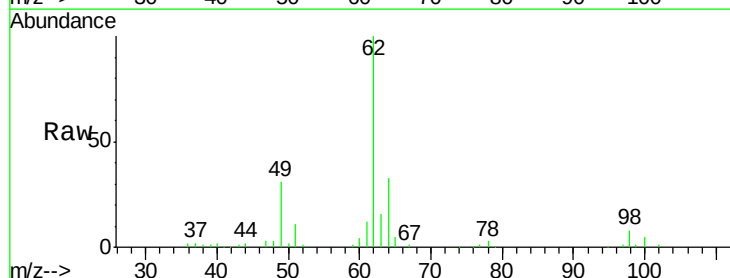
Manual Integrations
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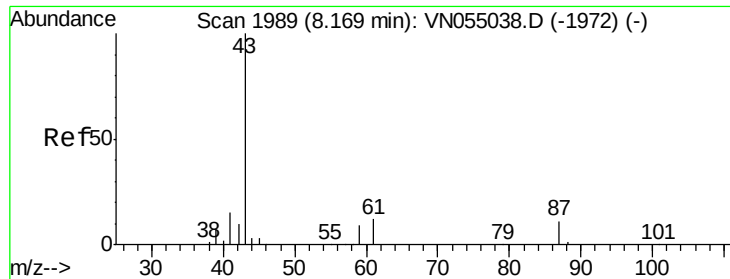
MMDadoda
4/17/2019 4:23:08 AM



#42
1,2-Dichloroethane
Concen: 19.754 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion:	62	Resp:	130677
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.367 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

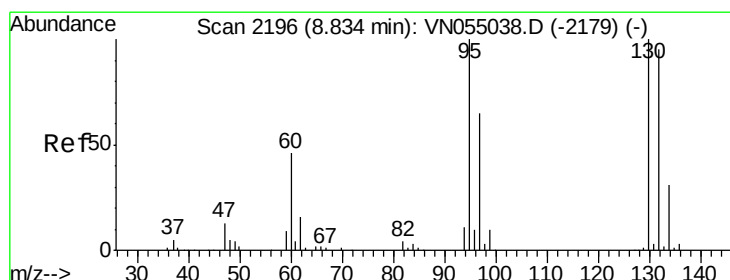
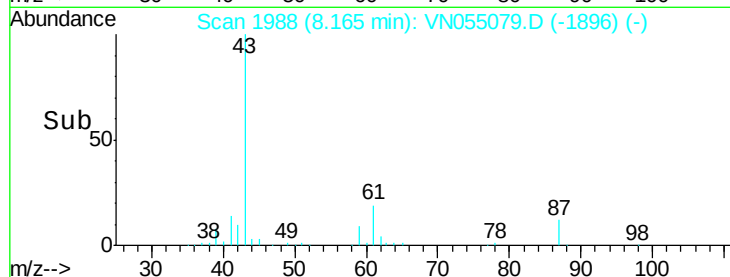
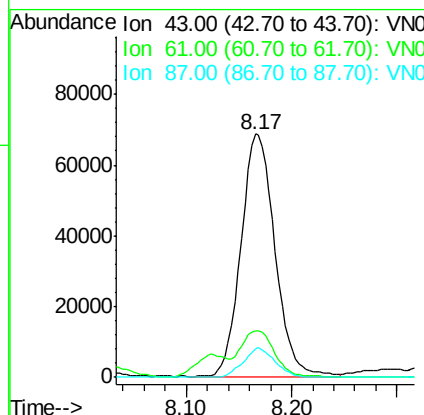
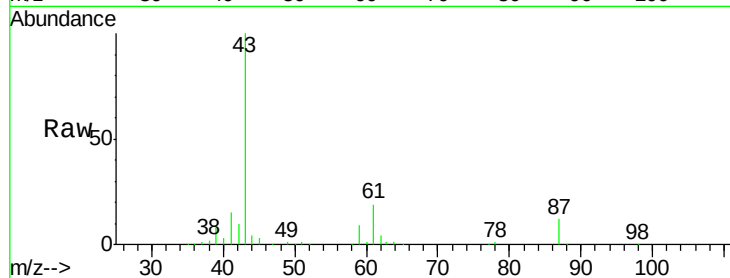
ClientSampleId :

VN0416WBS02

Tot Ion:	43	Resp:	153587
Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.3	21.5
87	11.4	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 18.944 ug/l

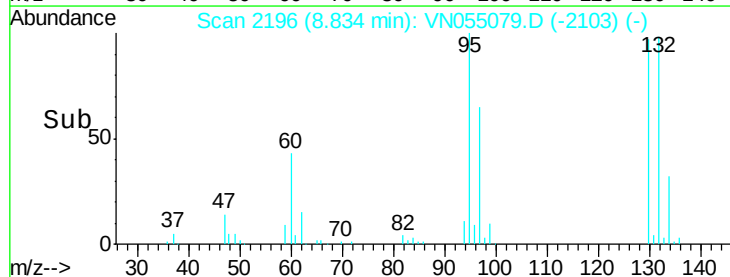
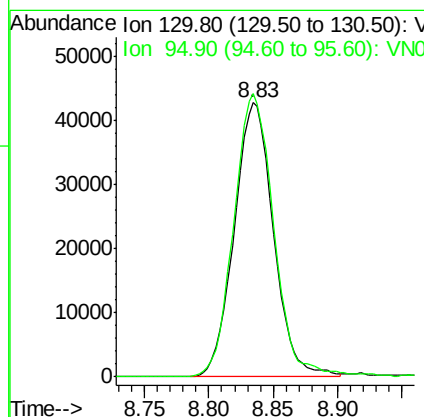
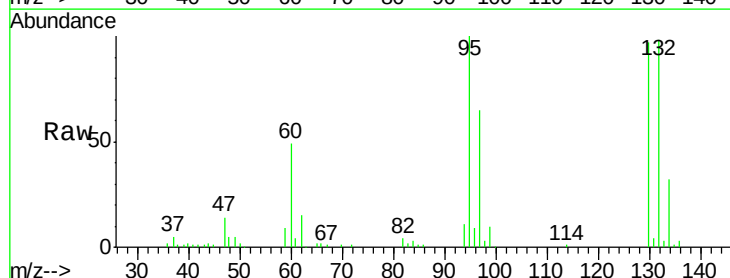
RT: 8.83 min Scan# 2196

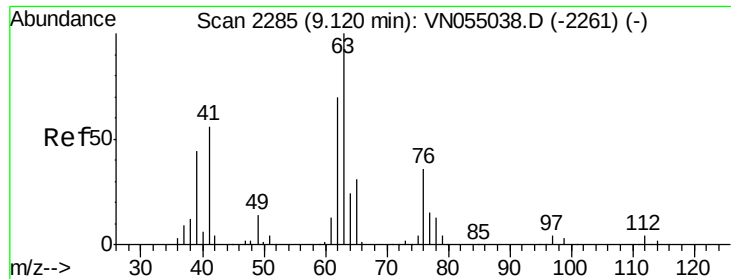
Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	130	Resp:	90408
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	201.6





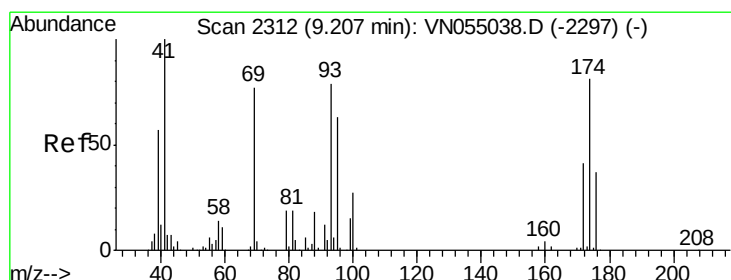
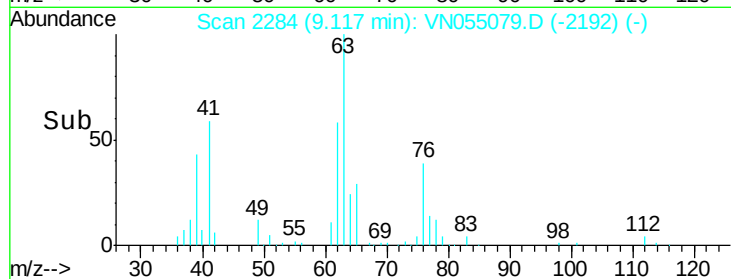
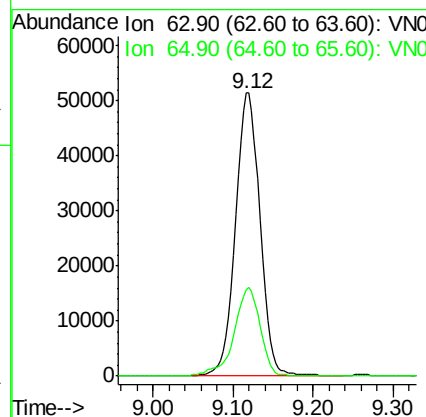
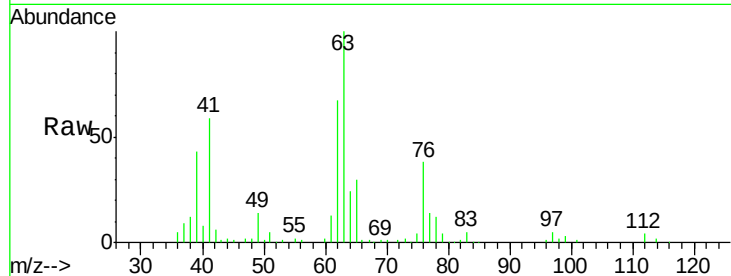
#45
 1,2-Dichloropropane
 Concen: 20.135 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion: 63 Resp: 106989
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6

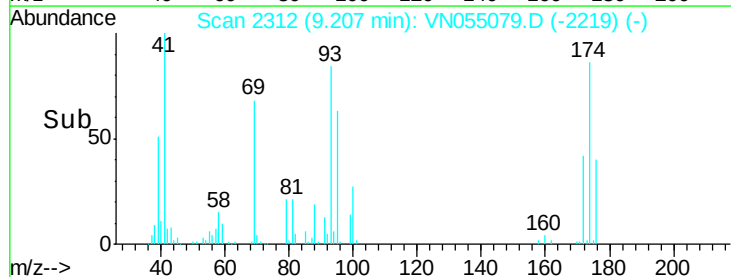
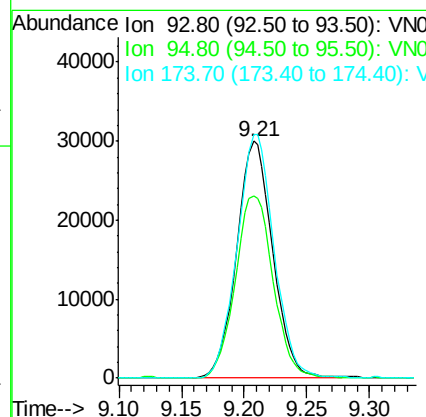
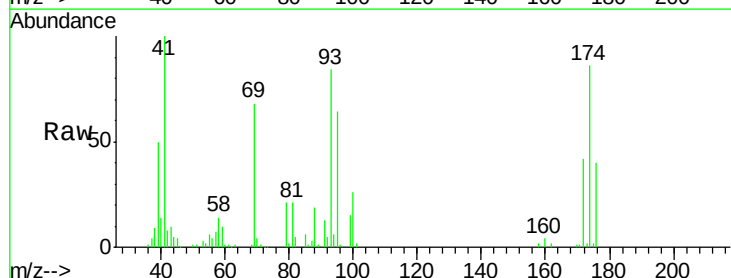
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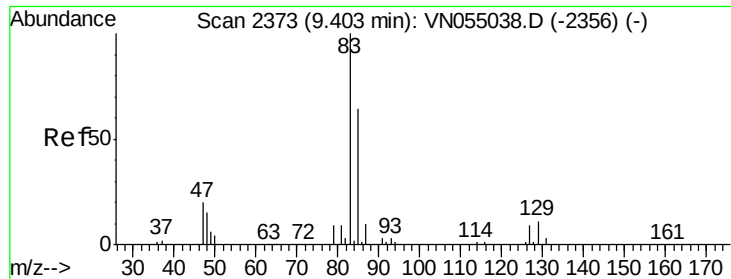
MMDadoda
 4/17/2019 4:23:08 AM



#46
 Dibromomethane
 Concen: 19.905 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion: 93 Resp: 60201
 Ion Ratio Lower Upper
 93 100
 95 80.4 65.0 97.6
 174 104.7 81.0 121.6





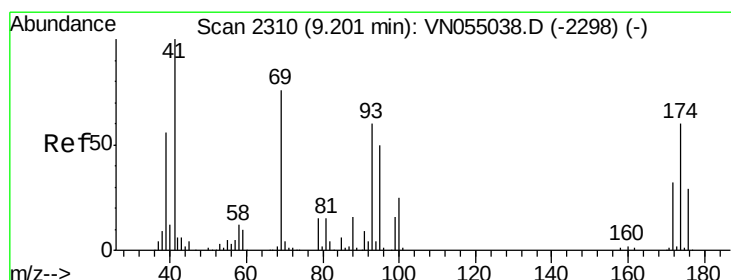
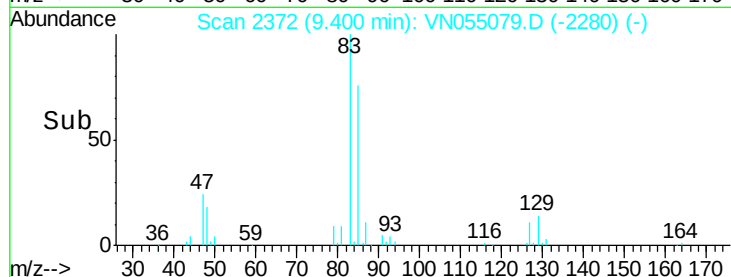
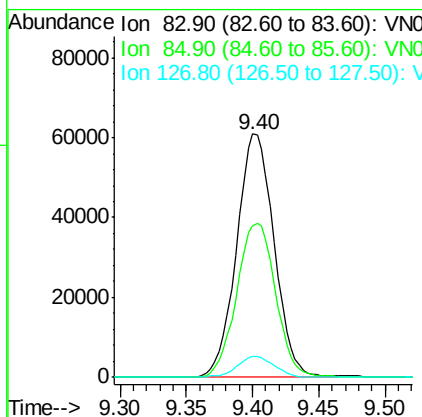
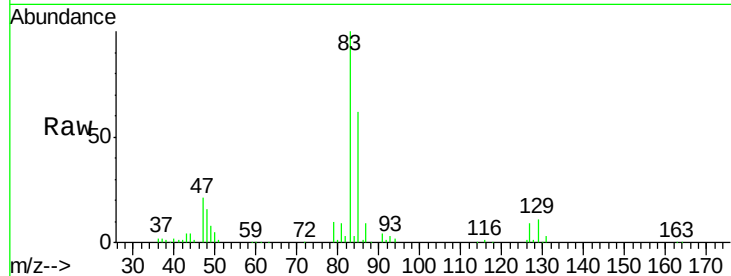
#47
Bromodichloromethane
Concen: 19.257 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	83	Resp	120080
Ion Ratio	100		
85	62.4	51.2	76.8
127	8.6	6.8	10.2

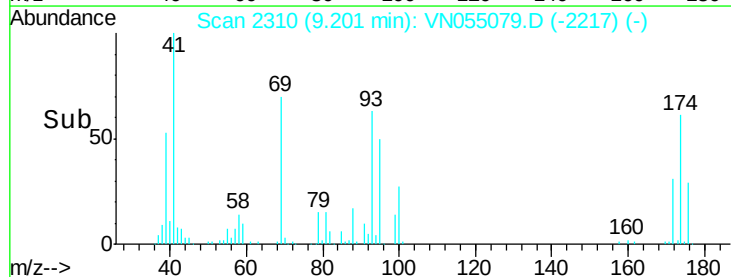
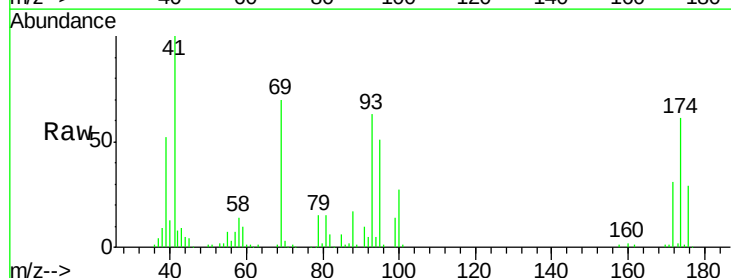
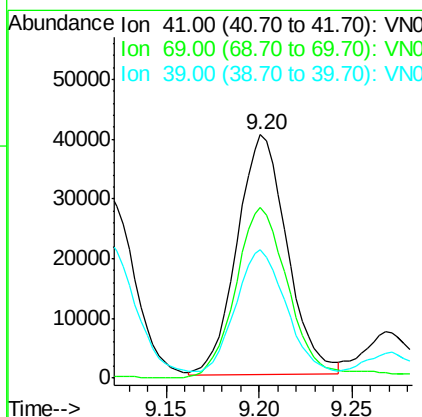
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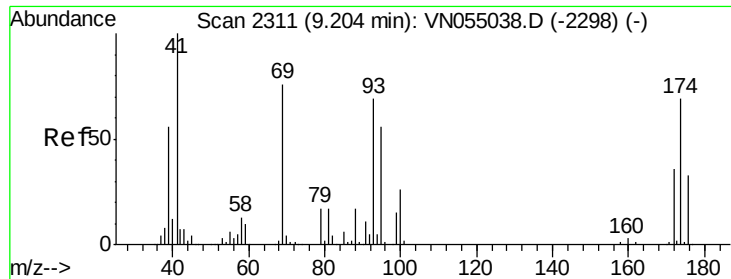
MMDadoda
4/17/2019 4:23:08 AM



#48
Methyl methacrylate
Concen: 19.296 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	41	Resp	75848
Ion Ratio	100		
69	73.6	60.5	90.7
39	54.1	43.9	65.9





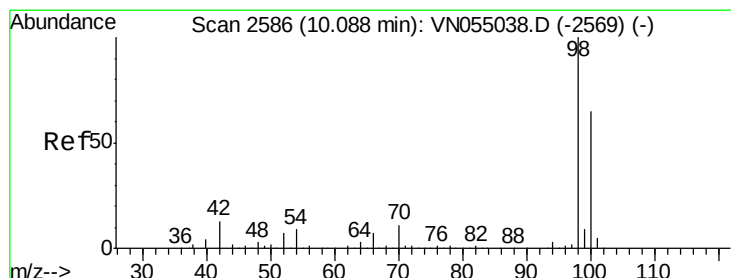
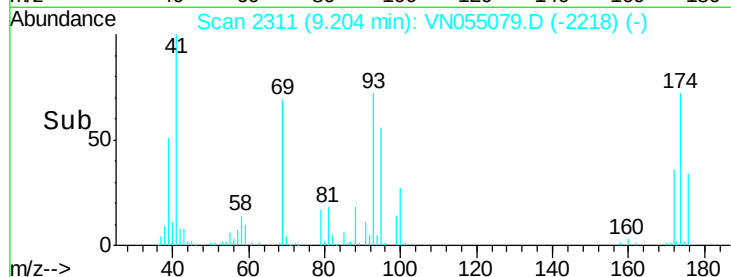
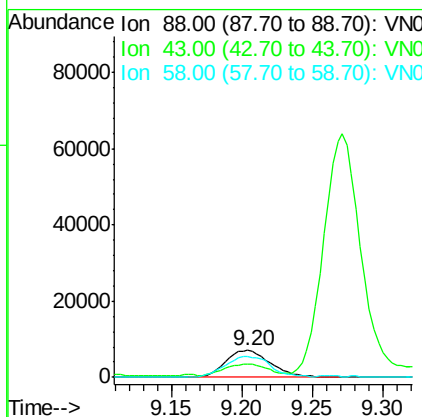
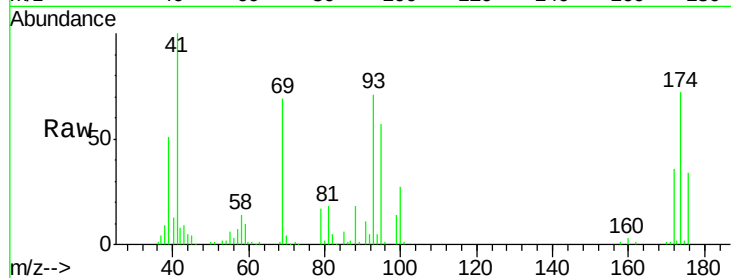
#49
1,4-Dioxane
Concen: 429.371 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	88	Resp	15812
Ion	Ratio	Lower	Upper
88	100		
43	38.4	31.8	47.8
58	78.1	61.6	92.4

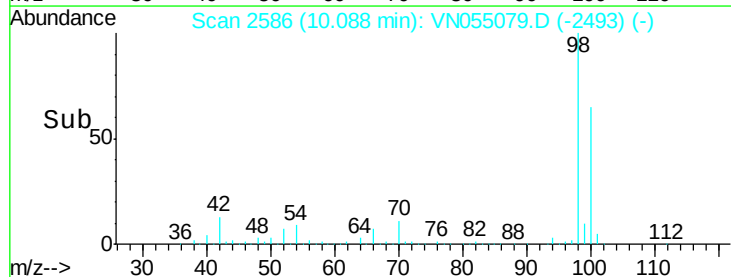
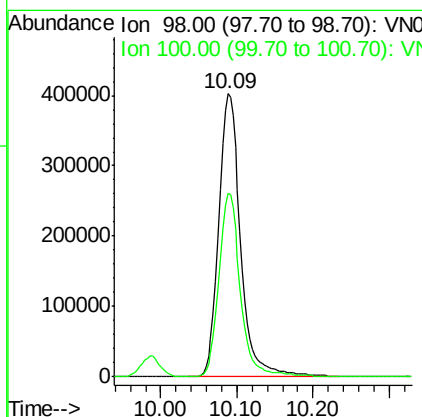
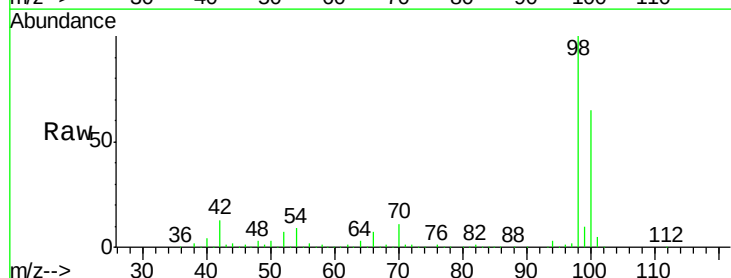
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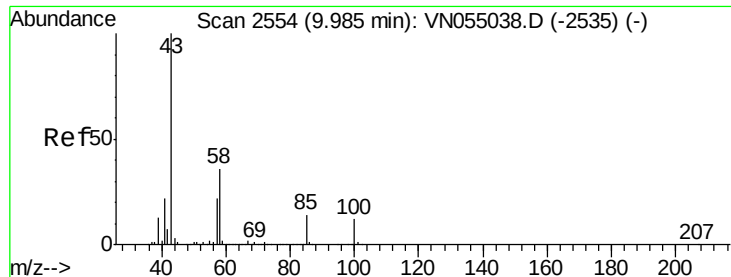
MMDadoda
4/17/2019 4:23:08 AM



#50
Toluene-d8
Concen: 50.158 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	98	Resp	804554
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





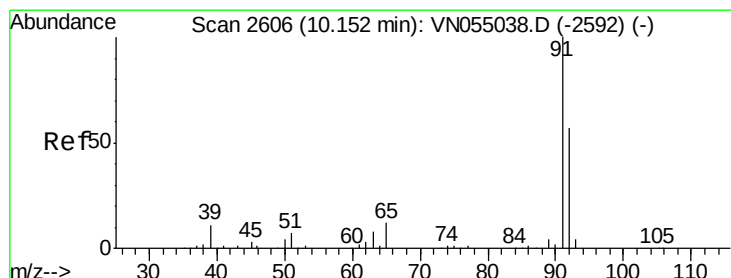
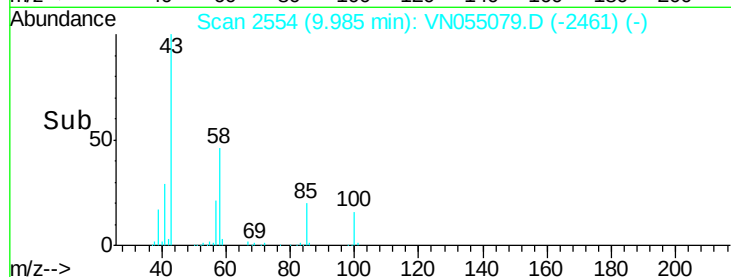
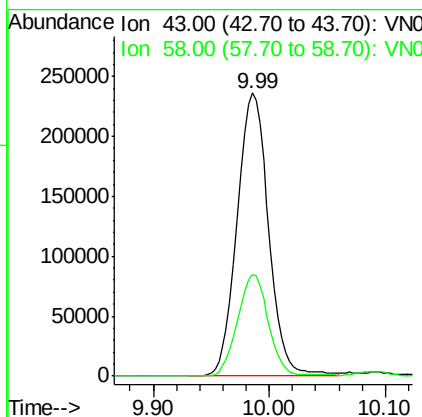
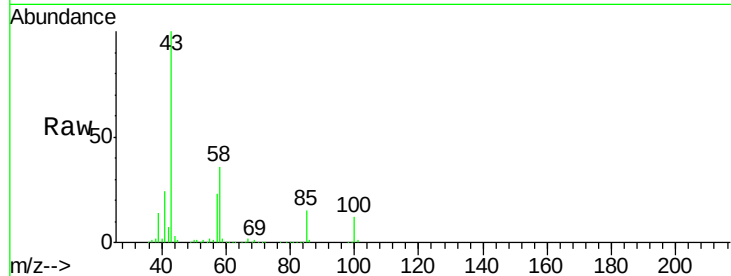
#51
4-Methyl-2-Pentanone
Concen: 96.625 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	43	Resp	442691
Ion Ratio	100	Lower	Upper
43	100		
58	35.3	29.0	43.4

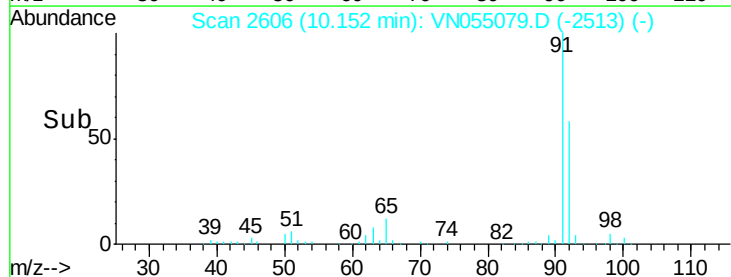
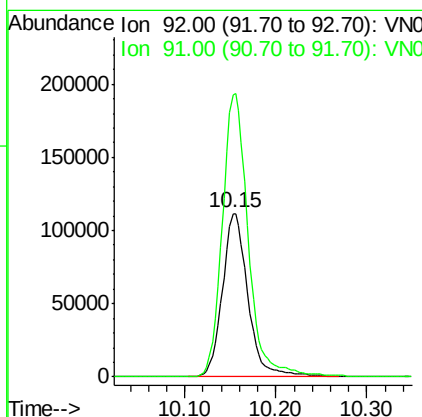
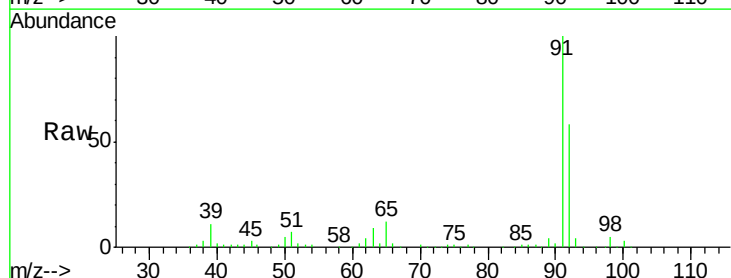
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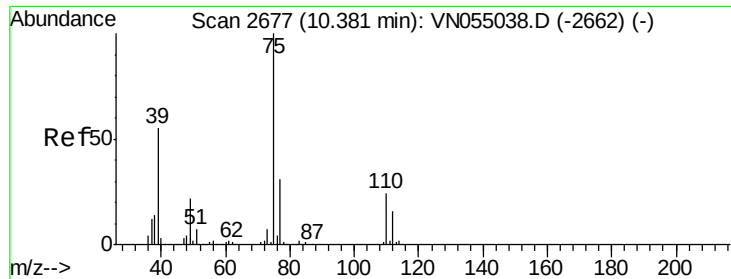
MMDadoda
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#52
Toluene
Concen: 19.999 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	92	Resp	218234
Ion Ratio	100	Lower	Upper
92	100		
91	176.3	140.8	211.2





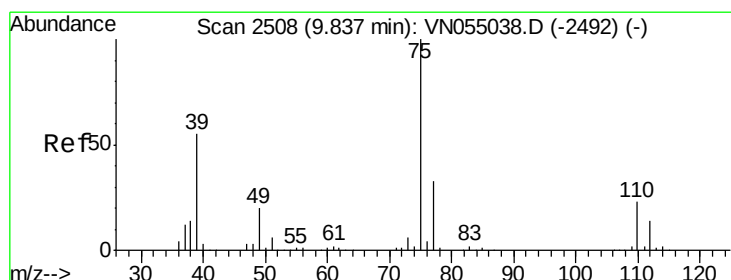
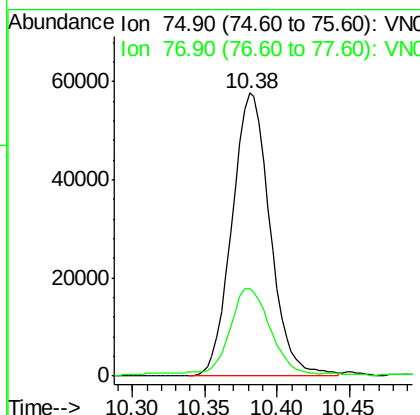
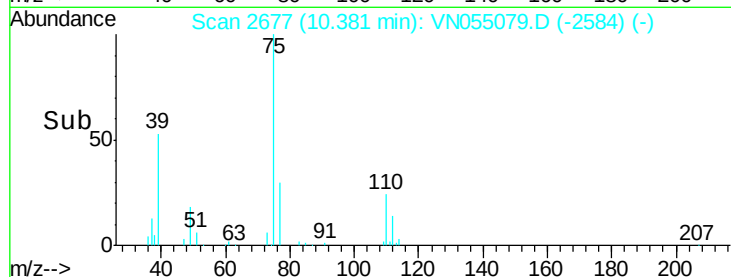
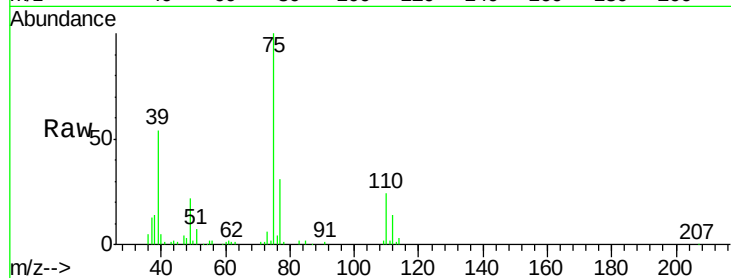
#53
t-1,3-Dichloropropene
Concen: 19.325 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion: 75 Resp: 105309
Ion Ratio Lower Upper
75 100
77 30.2 24.6 37.0

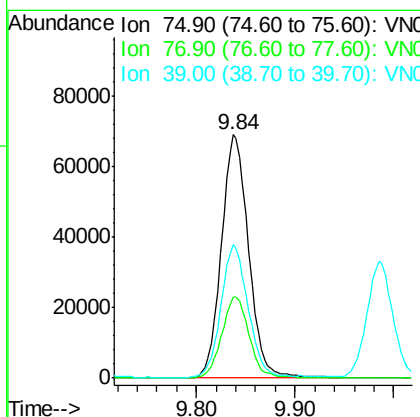
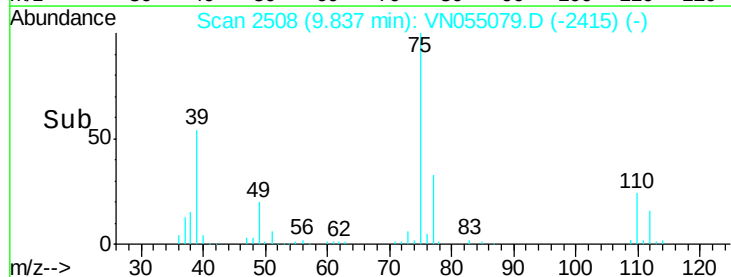
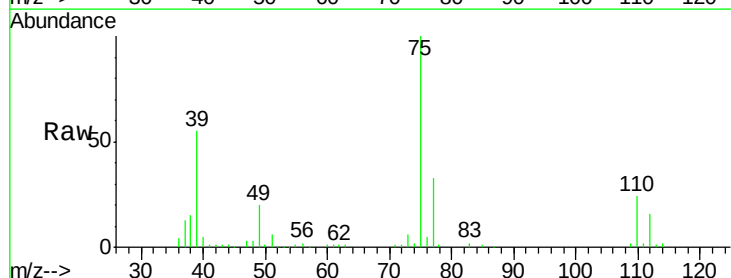
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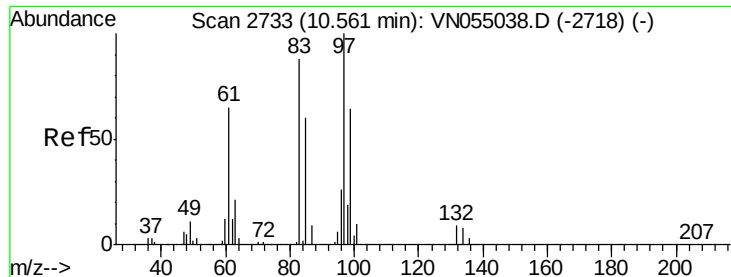
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.840 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion: 75 Resp: 134184
Ion Ratio Lower Upper
75 100
77 33.1 25.8 38.6
39 54.3 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 19.419 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

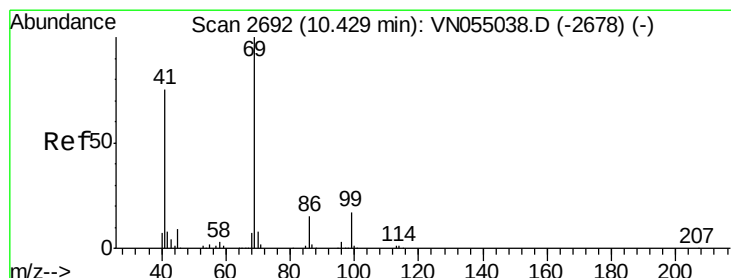
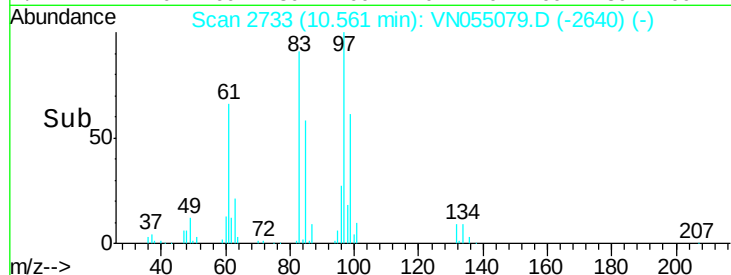
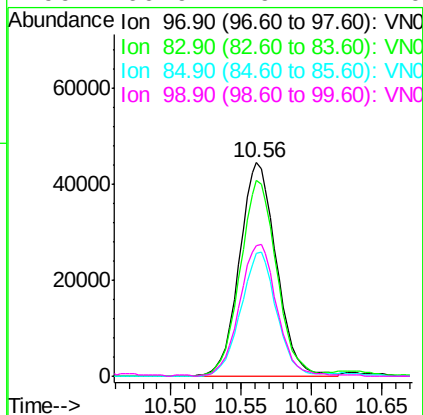
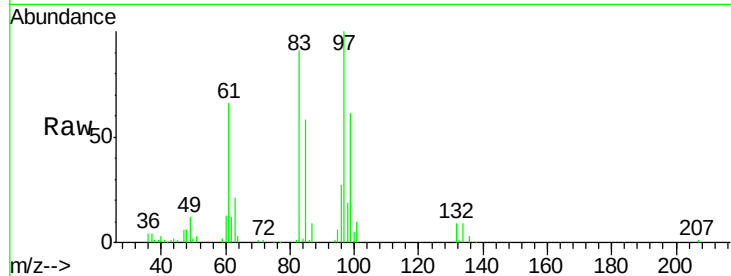
ClientSampleId :

VN0416WBS02

Tot Ion:	97	Resp:	81642
Ion	Ratio	Lower	Upper
97	100		
83	91.5	70.5	105.7
85	57.6	45.5	68.3
99	60.9	49.4	74.0

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#56

Ethyl methacrylate

Concen: 20.466 ug/l

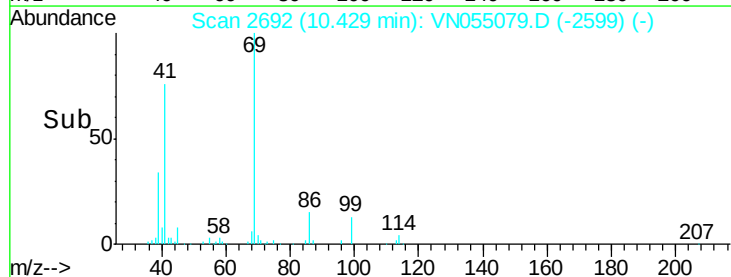
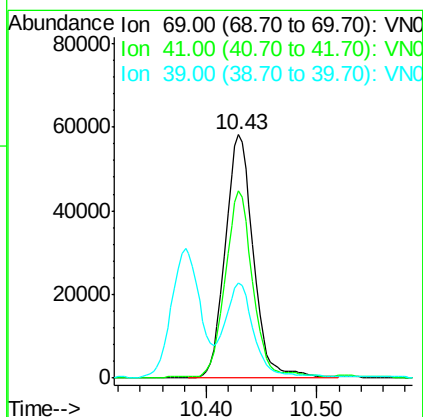
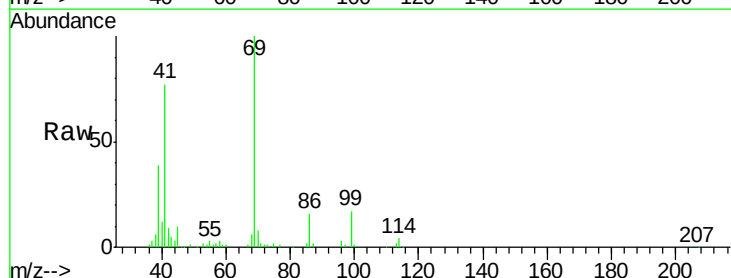
RT: 10.43 min Scan# 2692

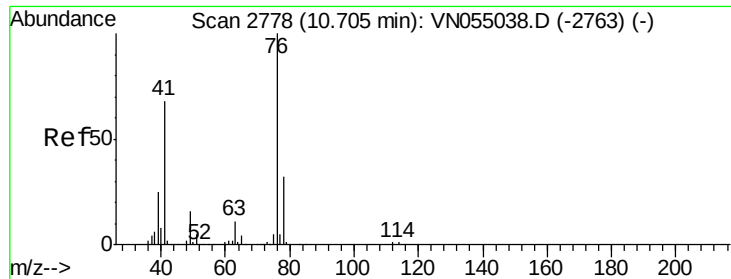
Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	69	Resp:	103263
Ion	Ratio	Lower	Upper
69	100		
41	73.7	61.4	92.0
39	37.5	30.8	46.2





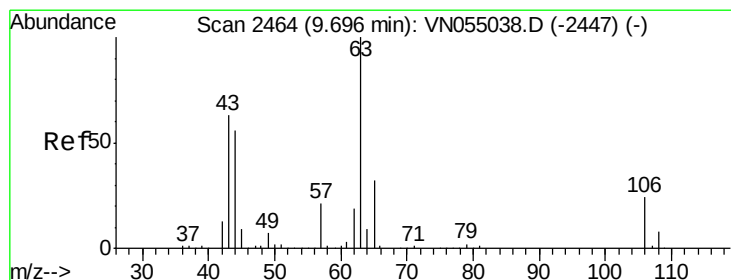
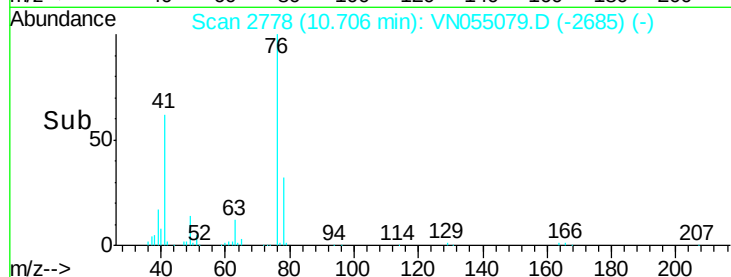
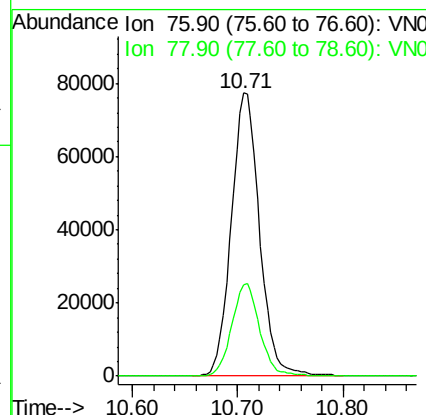
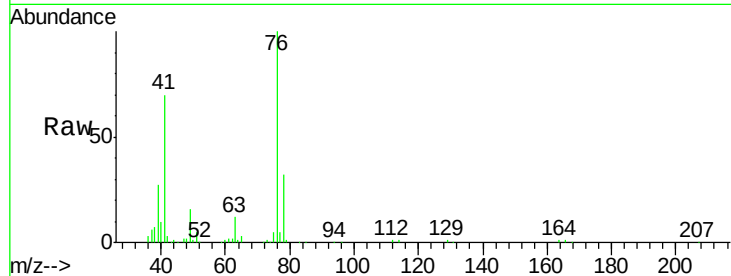
#57
 1,3-Dichloropropane
 Concen: 20.024 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion: 76 Resp: 143336
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

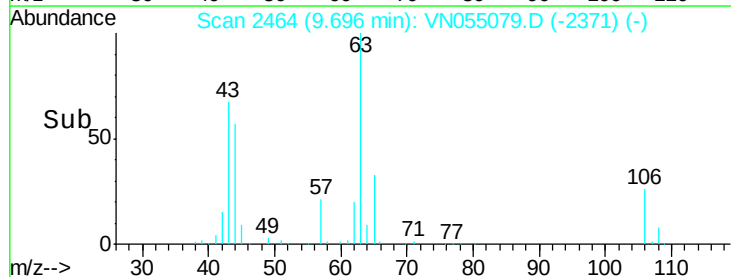
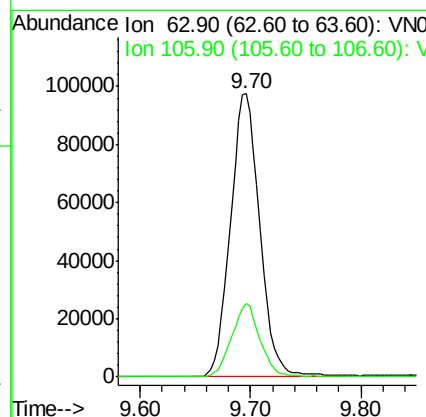
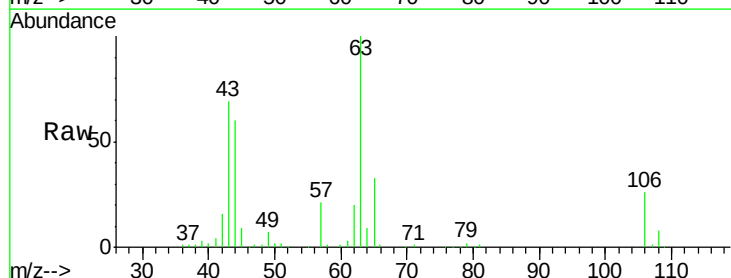
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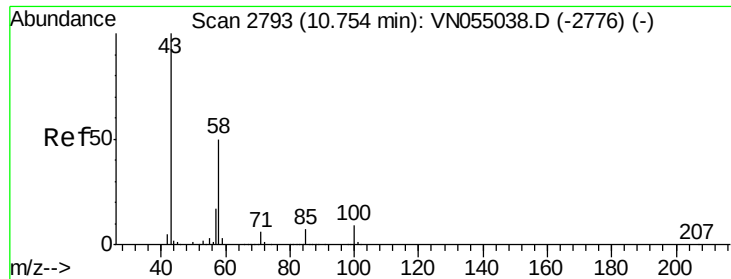
MMDadoda
 4/17/2019 4:23:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.424 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion: 63 Resp: 179895
 Ion Ratio Lower Upper
 63 100
 106 24.9 20.0 30.0





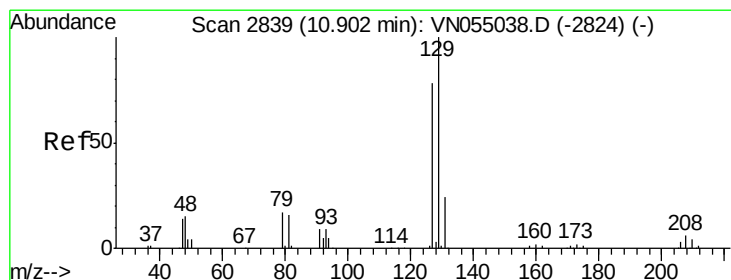
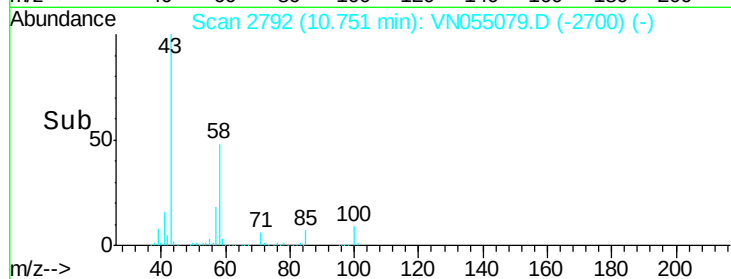
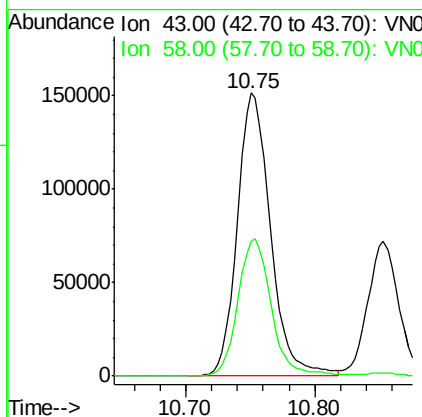
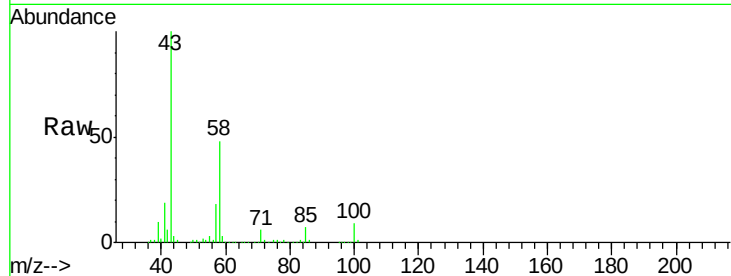
#59
2-Hexanone
Concen: 93.663 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	25.1	75.2

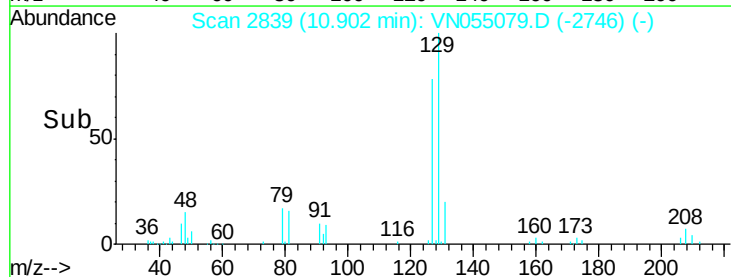
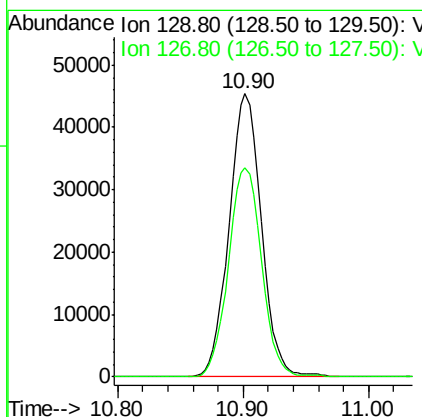
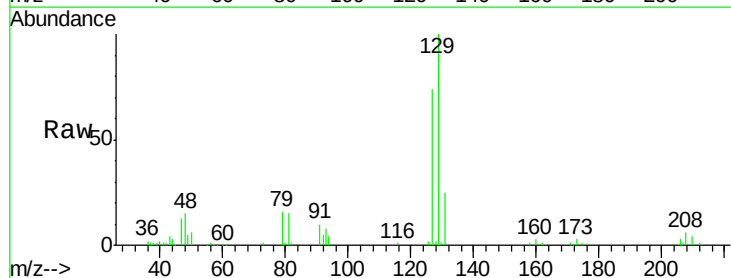
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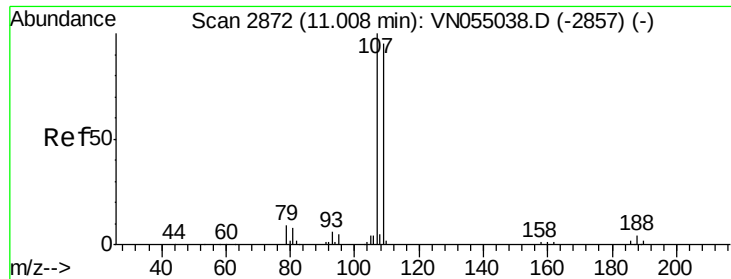
MMDadoda
4/17/2019 4:23:08 AM



#60
Dibromochloromethane
Concen: 19.771 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.2	114.6





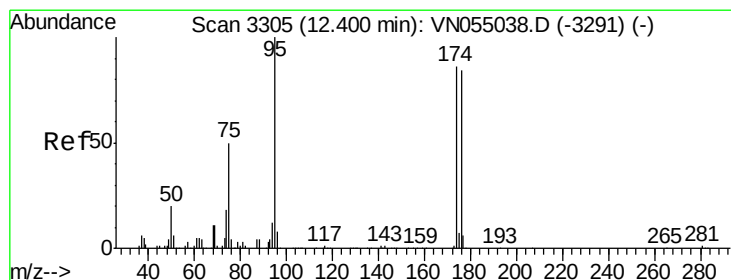
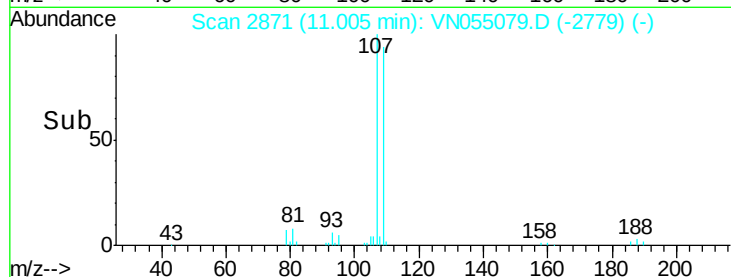
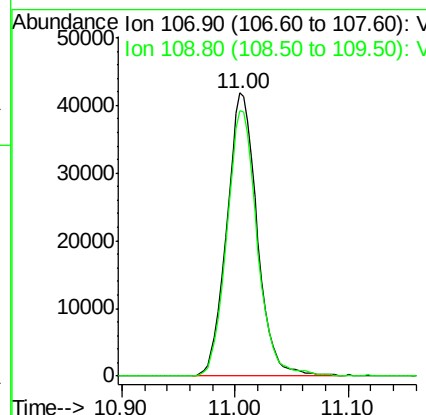
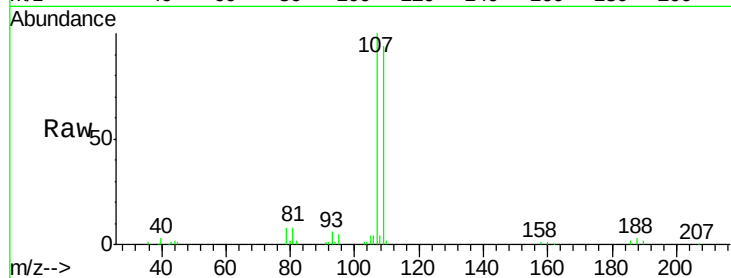
#61
1,2-Dibromoethane
Concen: 20.153 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.5	114.7

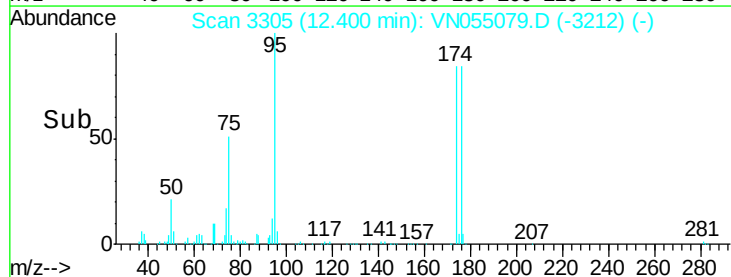
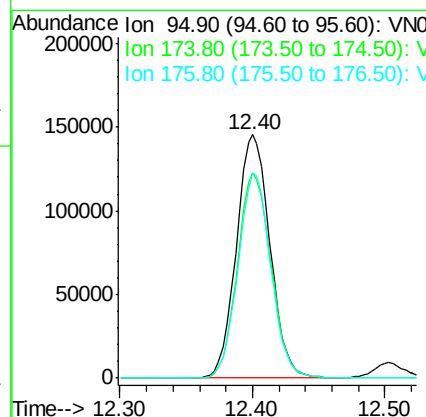
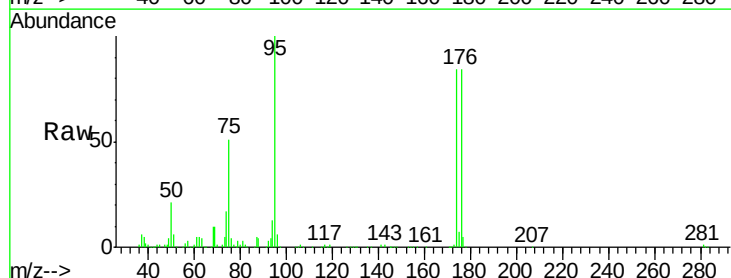
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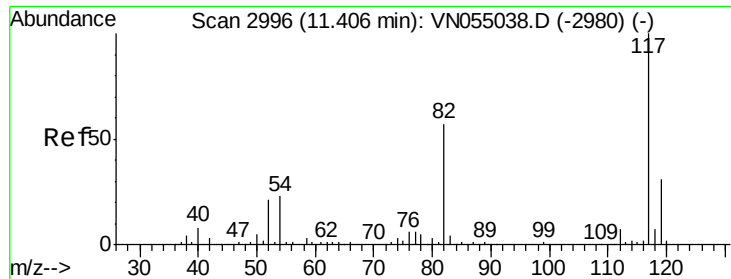
MMDadoda
4/17/2019 4:23:08 AM



#62
4-Bromofluorobenzene
Concen: 48.988 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	174.4
176	82.4	0.0	166.8





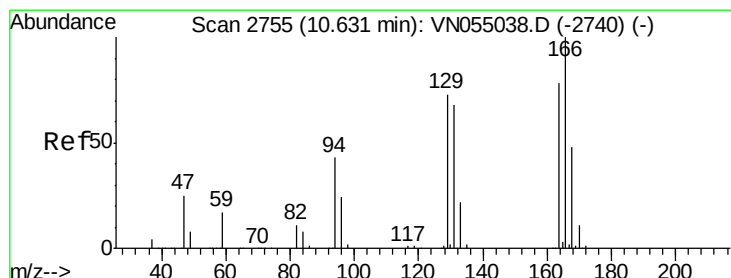
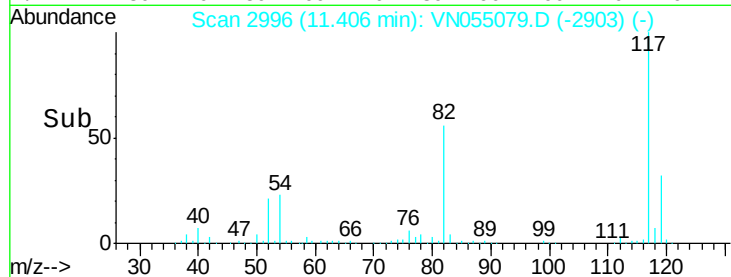
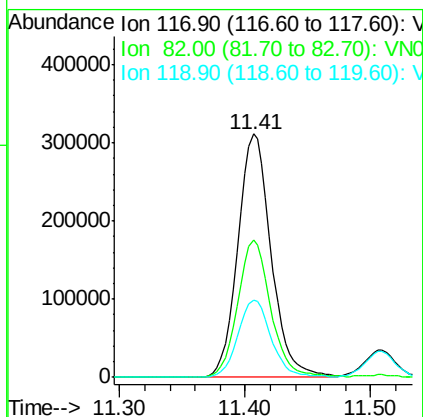
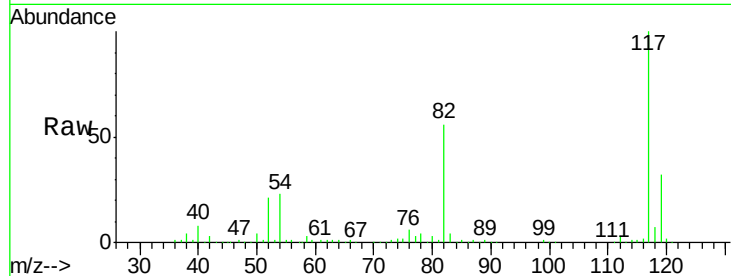
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	66.8
119	32.0	25.5	38.3

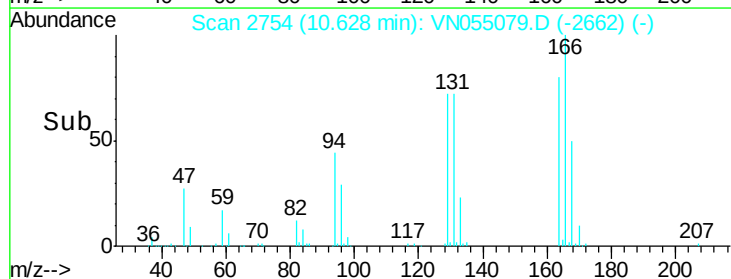
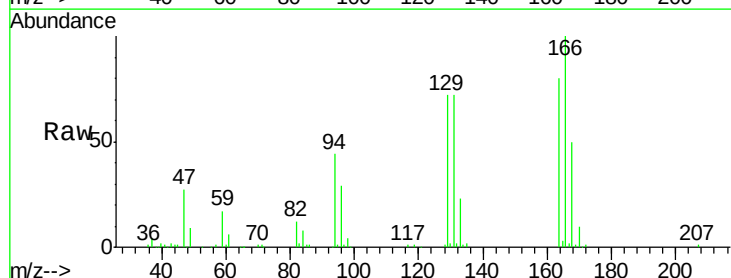
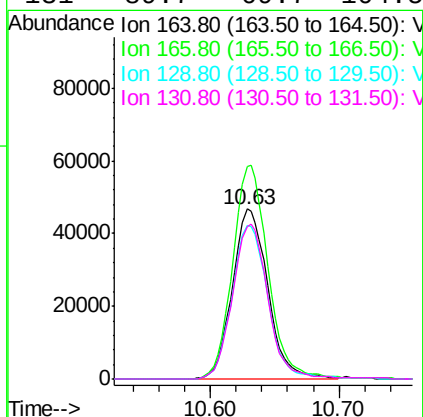
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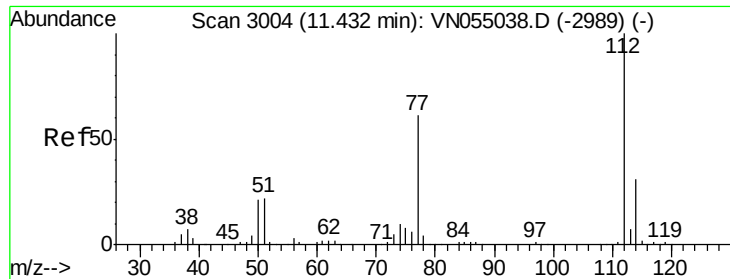
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#64
Tetrachloroethene
Concen: 19.220 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	100.0	150.0
129	90.2	72.0	108.0
131	89.7	69.7	104.5





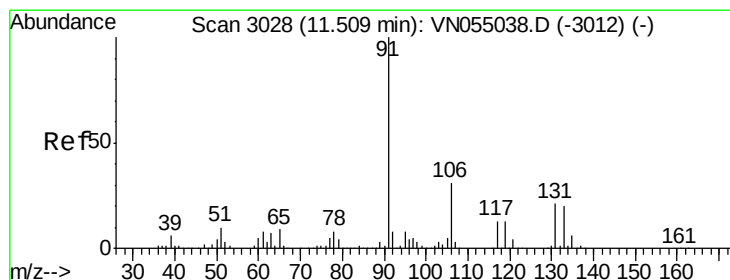
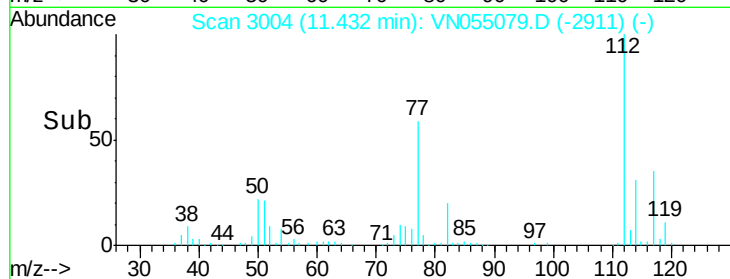
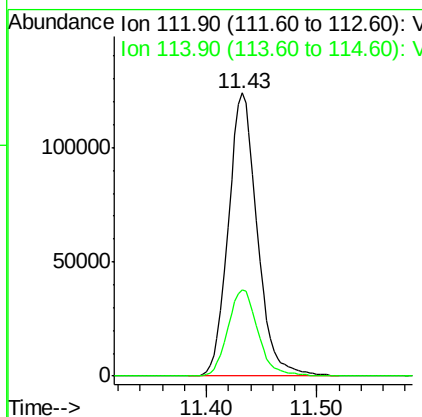
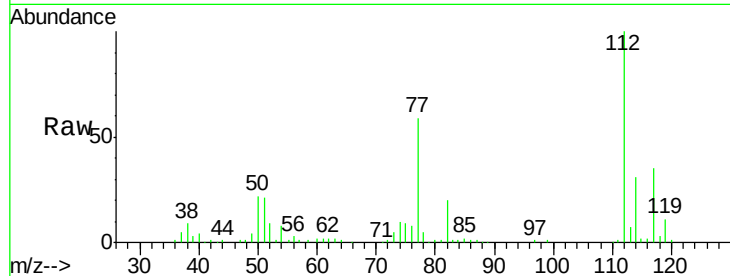
#65
Chlorobenzene
Concen: 19.531 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampled :
VN0416WBS02

Tot Ion:112 Resp: 225249
Ion Ratio Lower Upper
112 100
114 30.6 25.3 37.9

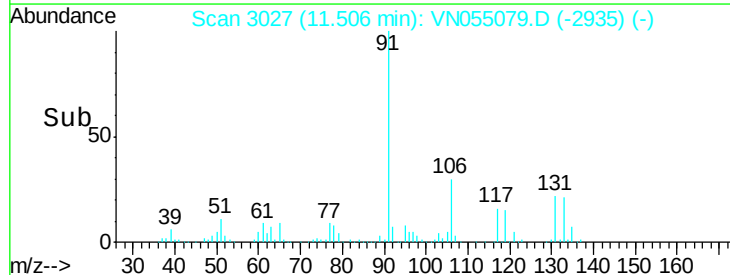
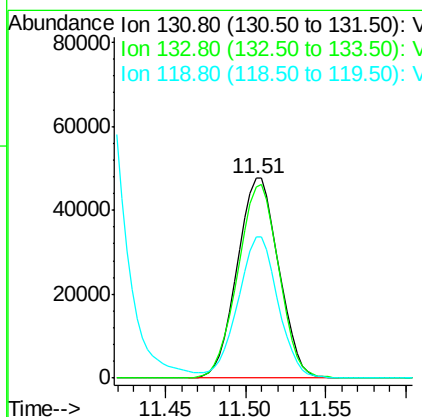
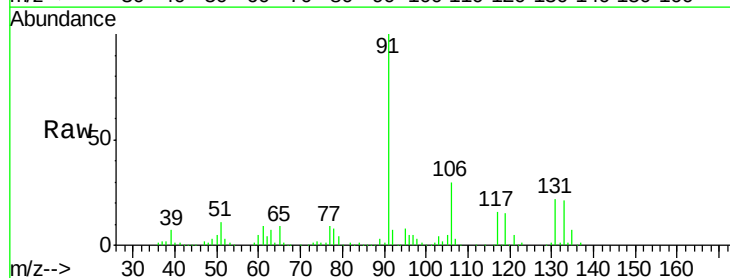
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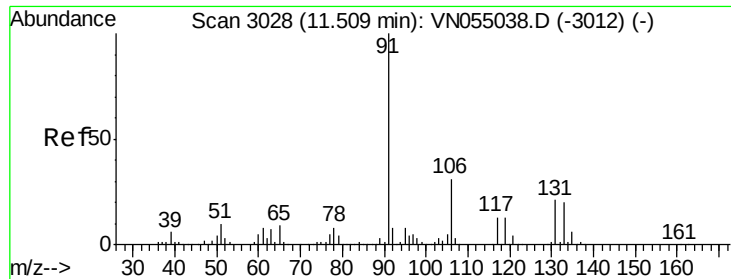
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.849 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion:131 Resp: 84194
Ion Ratio Lower Upper
131 100
133 95.8 47.8 143.3
119 68.3 33.6 100.6





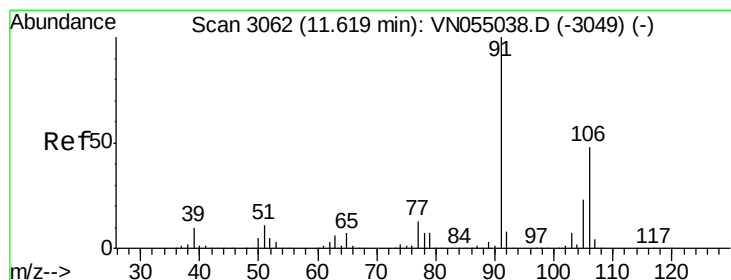
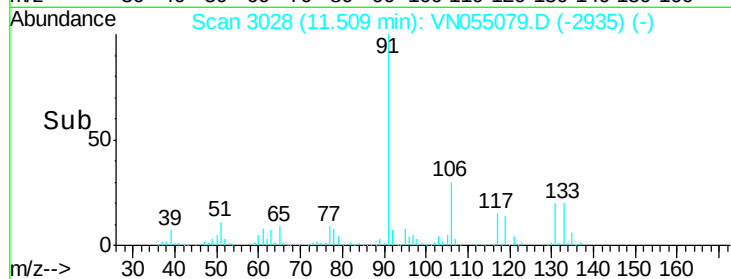
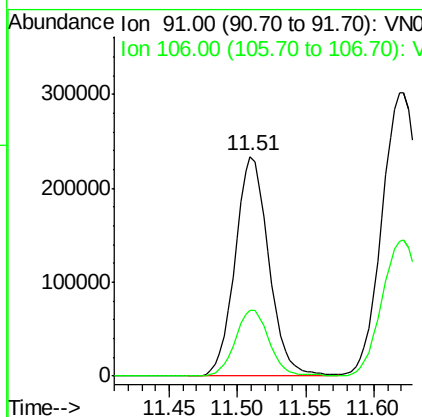
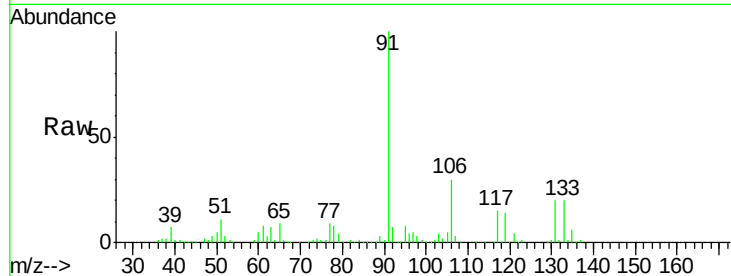
#67
Ethyl Benzene
Concen: 19.476 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion: 91 Resp: 401111
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

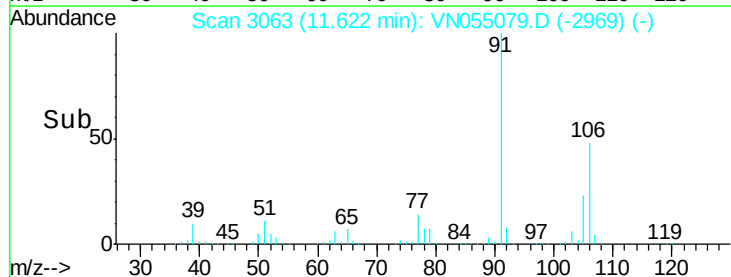
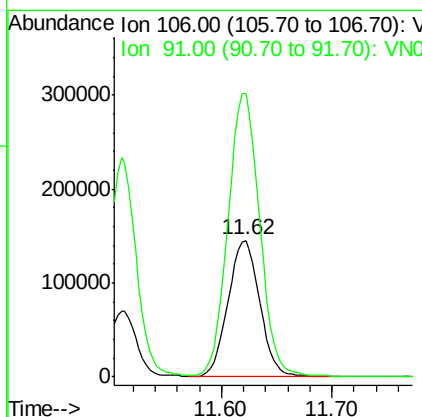
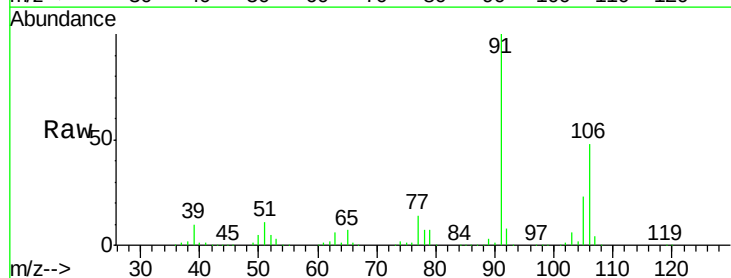
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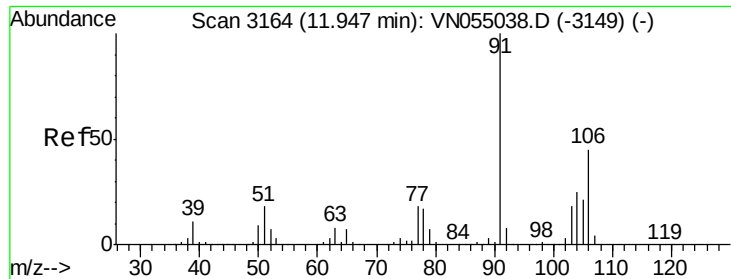
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#68
m/p-Xylenes
Concen: 38.803 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion: 106 Resp: 289385
Ion Ratio Lower Upper
106 100
91 208.4 165.9 248.9





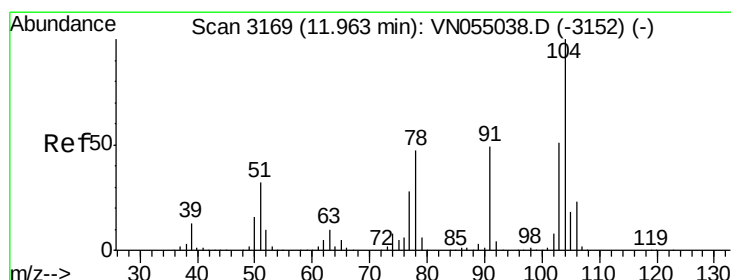
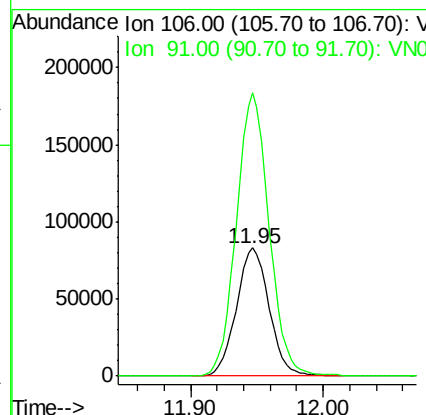
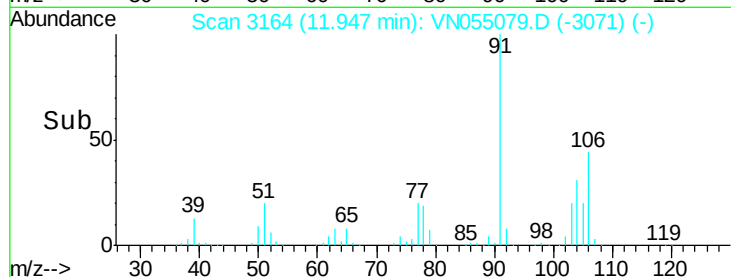
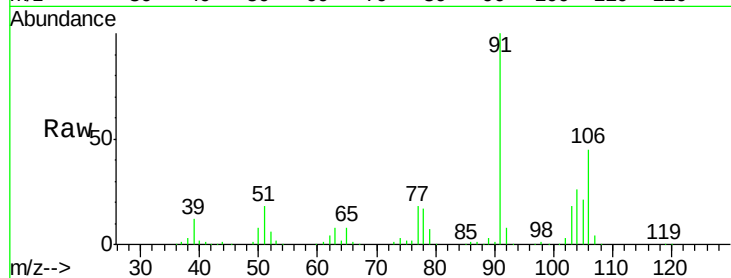
#69
o-Xylene
Concen: 19.784 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion:106 Resp: 142905
Ion Ratio Lower Upper
106 100
91 220.0 109.9 329.8

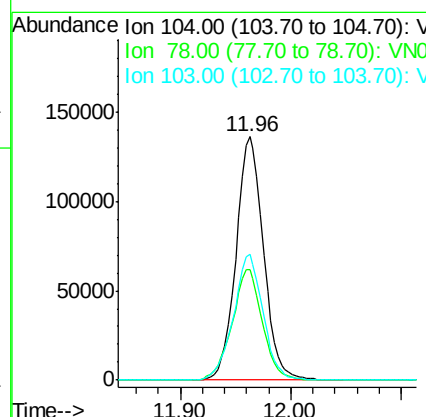
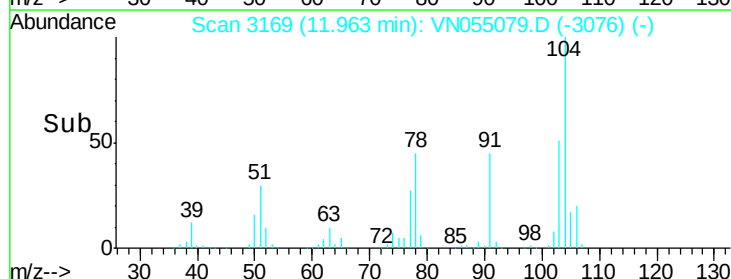
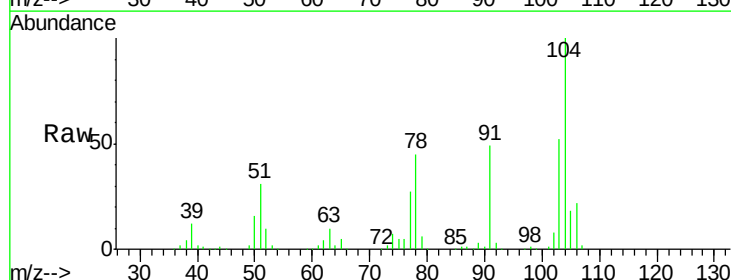
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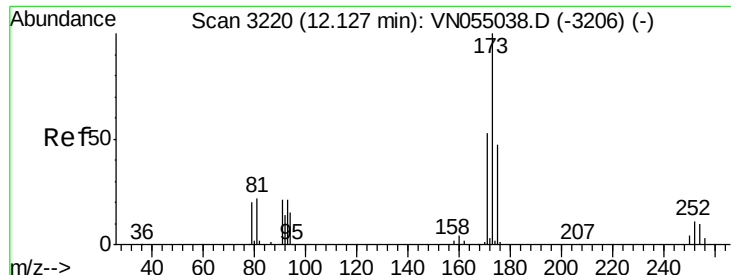
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#70
Styrene
Concen: 20.098 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion:104 Resp: 234996
Ion Ratio Lower Upper
104 100
78 49.9 40.3 60.5
103 55.8 44.3 66.5





#71

Bromoform

Concen: 19.553 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

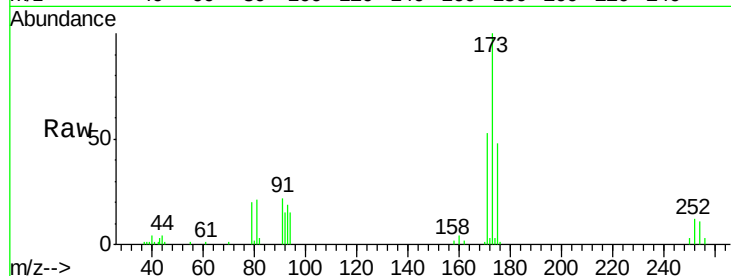
ClientSampleId :

VN0416WBS02

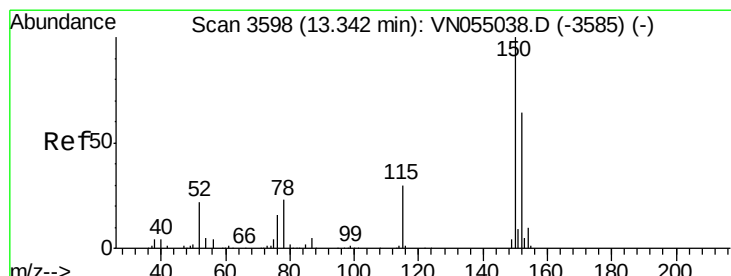
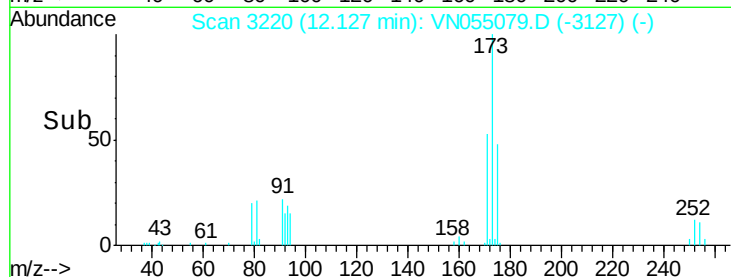
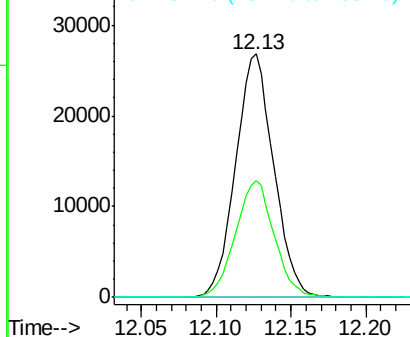
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

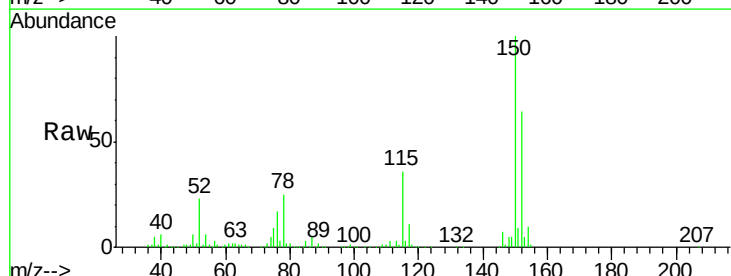
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

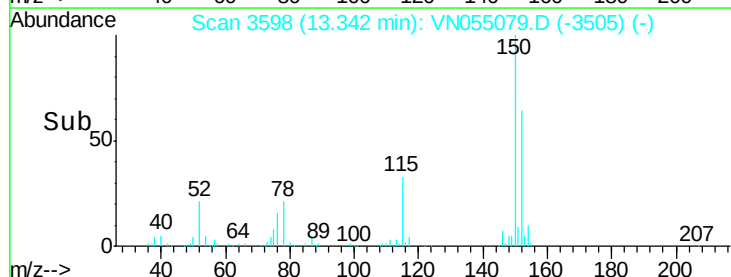
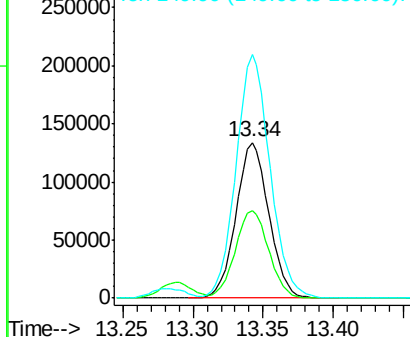
Lab File: VN055079.D

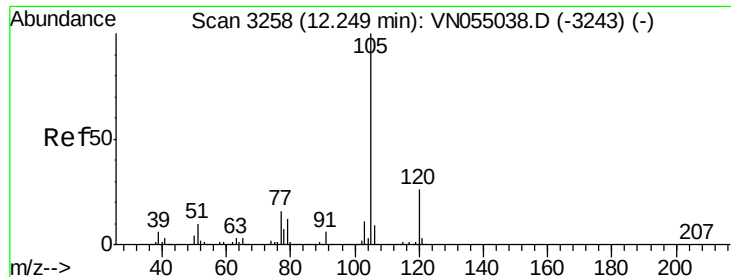
Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.5	85.6
150	162.0	0.0	347.2



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: 19.364 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS02

Tot Ion:105 Resp: 374937

Ion Ratio Lower Upper

105 100

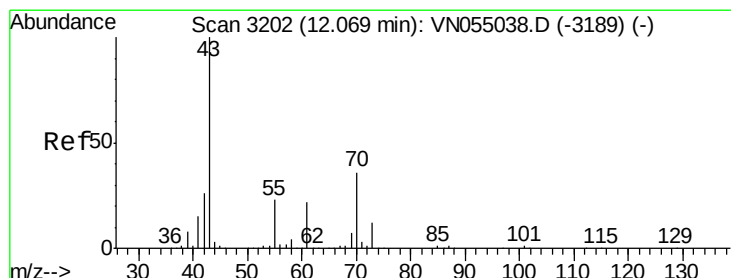
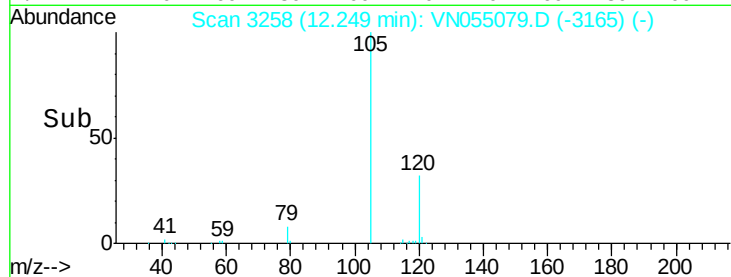
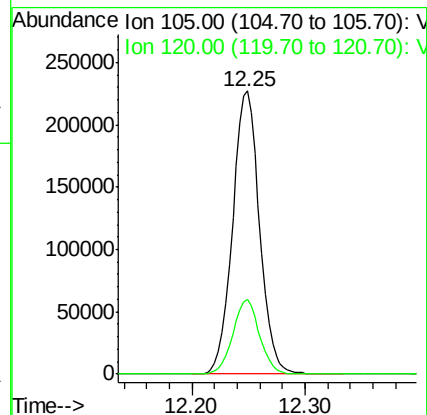
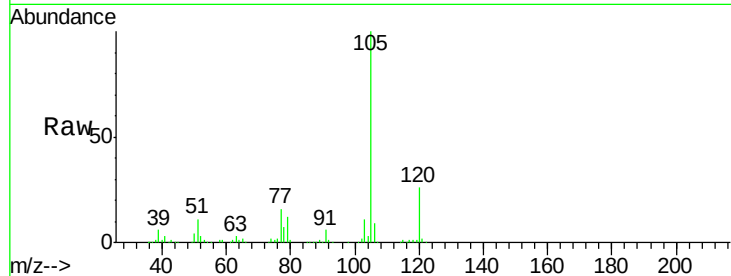
120 26.1 13.3 39.9

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#74

N-ethyl acetate

Concen: 20.463 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion: 43 Resp: 111534

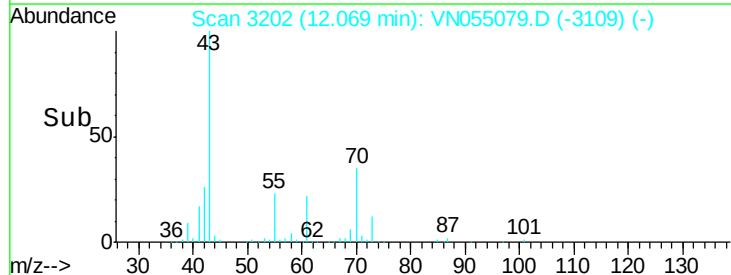
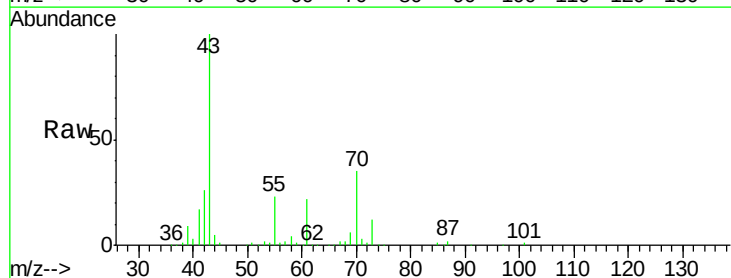
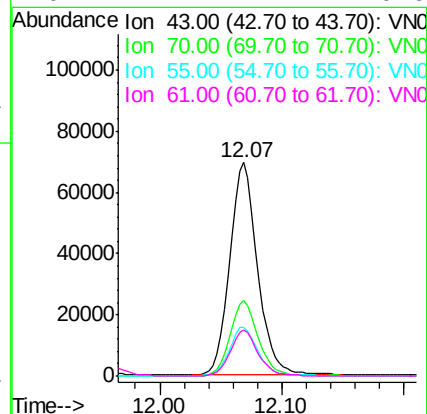
Ion Ratio Lower Upper

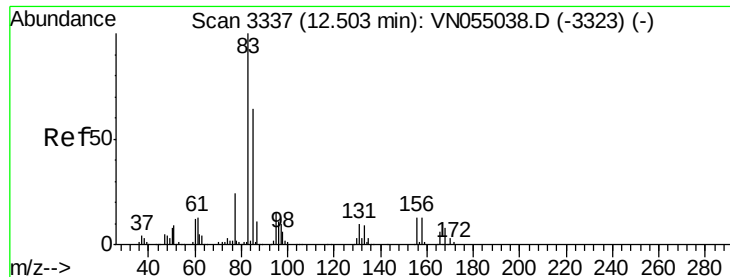
43 100

70 35.7 29.4 44.0

55 23.7 19.0 28.4

61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.053 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

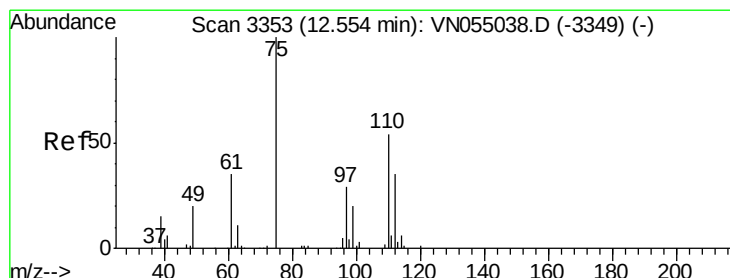
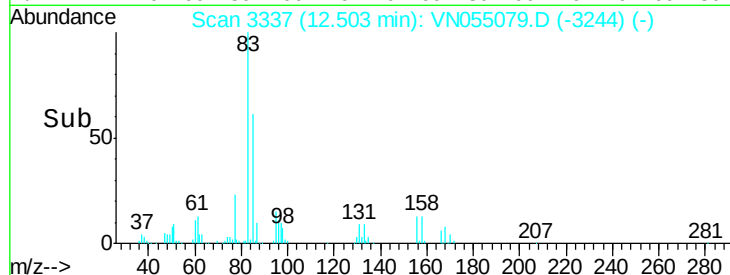
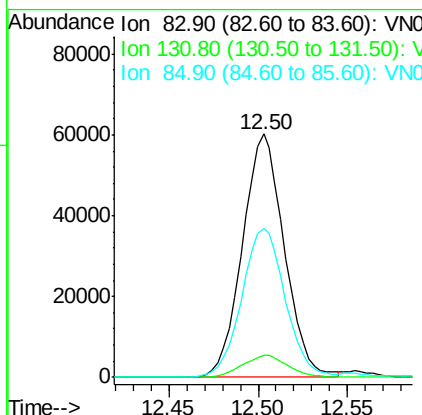
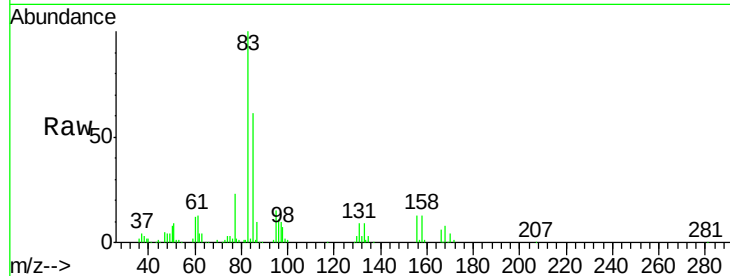
ClientSampleId :

VN0416WBS02

Tot Ion:	83	Resp:	98718
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	15.0
85	63.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 22.759 ug/l m

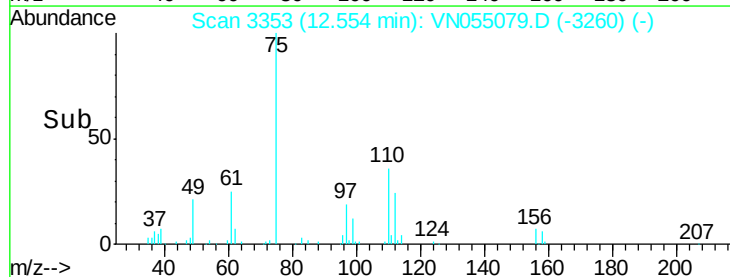
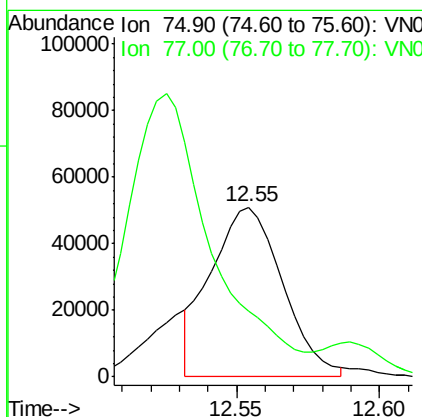
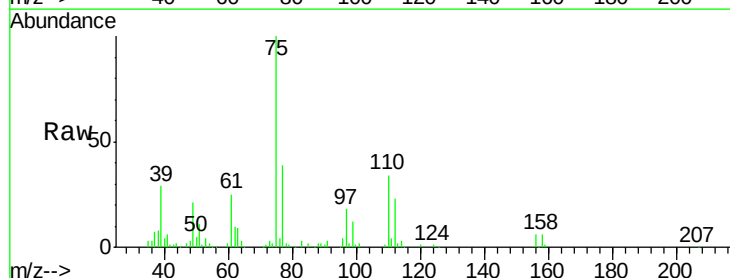
RT: 12.55 min Scan# 3353

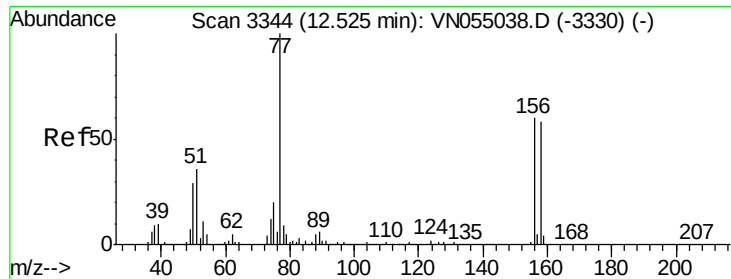
Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	75	Resp:	89304
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.004 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

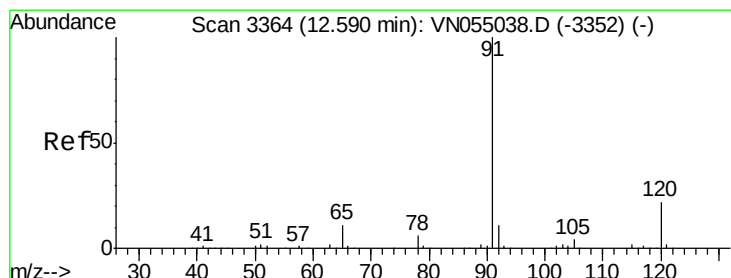
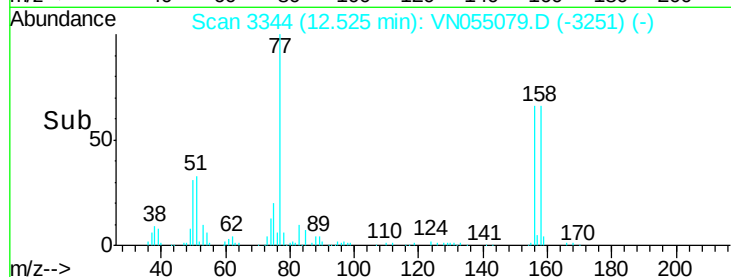
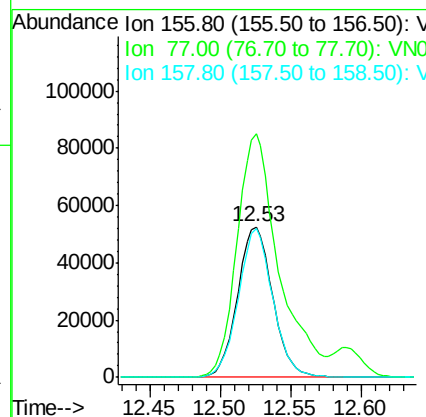
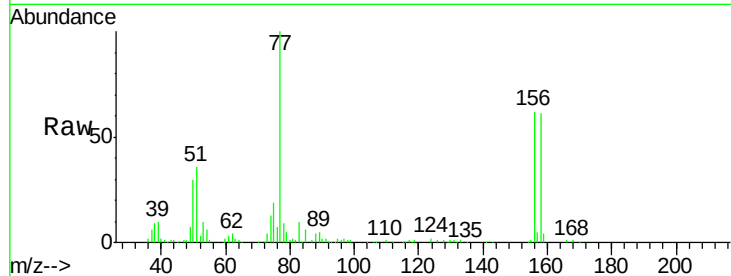
ClientSampleId :

VN0416WBS02

Tot Ion:	156	Resp:	91738
Ion	Ratio	Lower	Upper
156	100		
77	193.3	97.2	291.5
158	96.9	48.6	145.9

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#78

n-propylbenzene

Concen: 19.330 ug/l

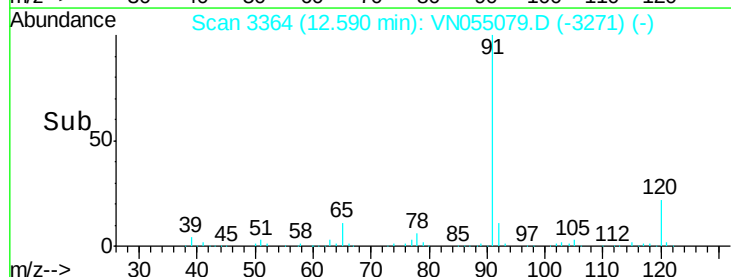
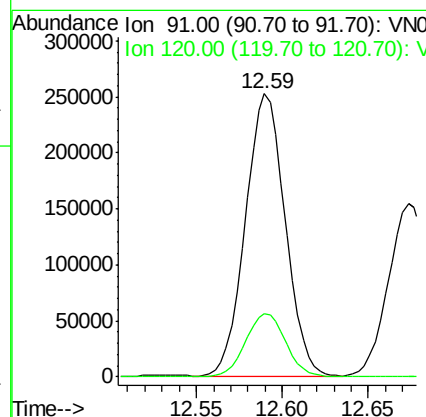
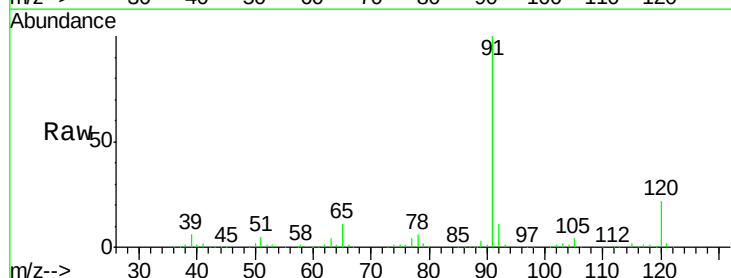
RT: 12.59 min Scan# 3364

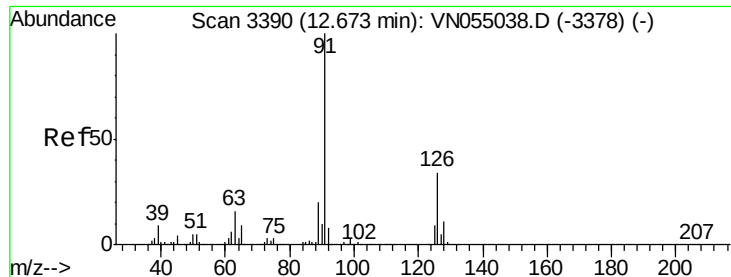
Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	91	Resp:	404376
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.768 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS02

Tot Ion: 91 Resp: 257937

Ion Ratio Lower Upper

91 100

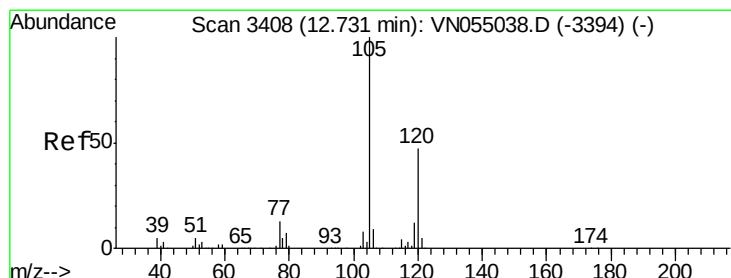
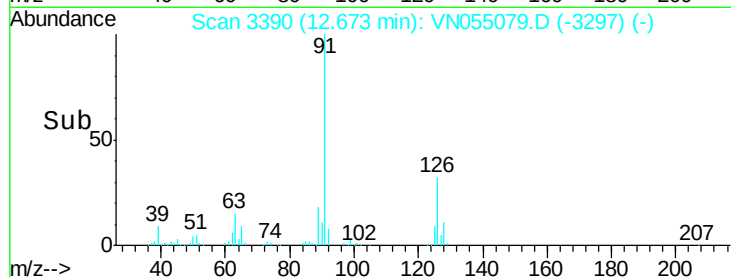
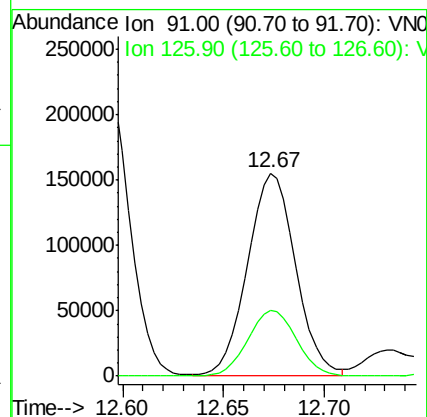
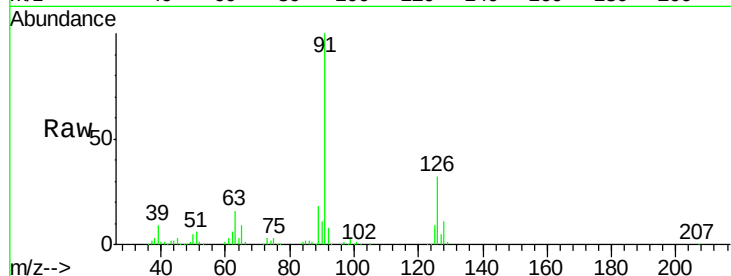
126 33.3 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 19.316 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055079.D

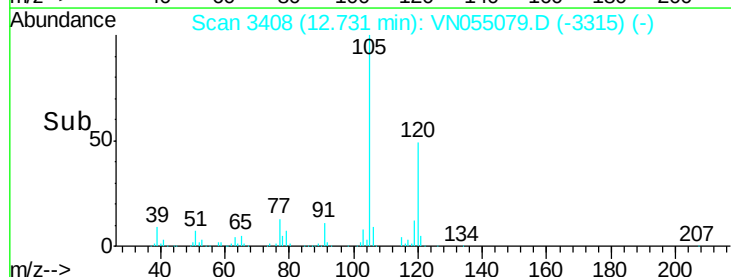
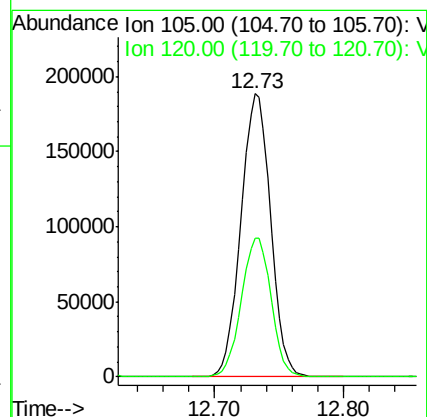
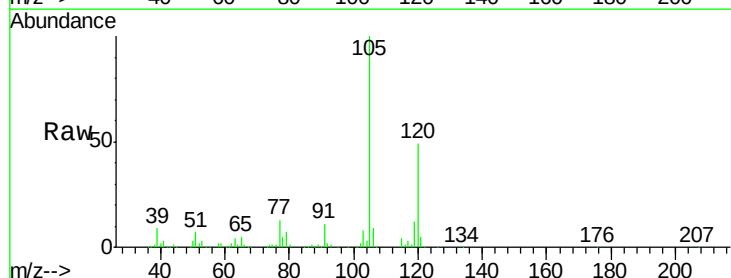
Acq: 16 Apr 2019 15:33

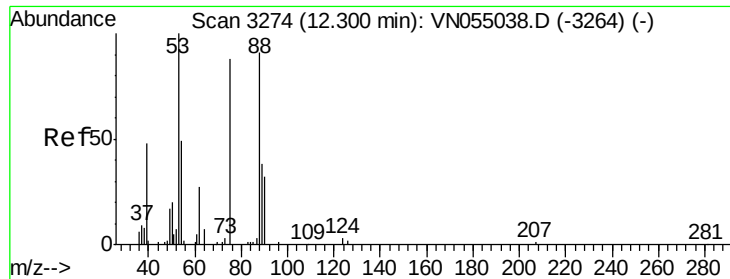
Tgt Ion: 105 Resp: 301831

Ion Ratio Lower Upper

105 100

120 49.3 24.3 72.8





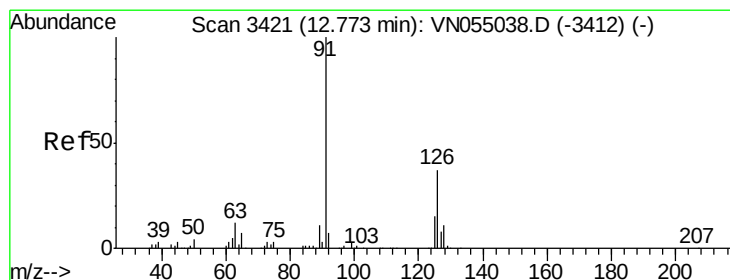
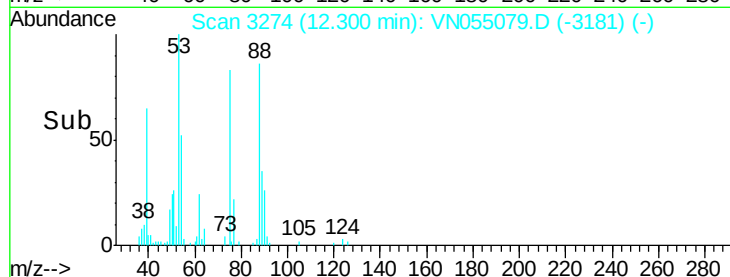
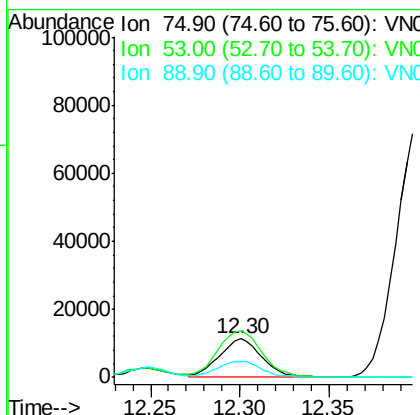
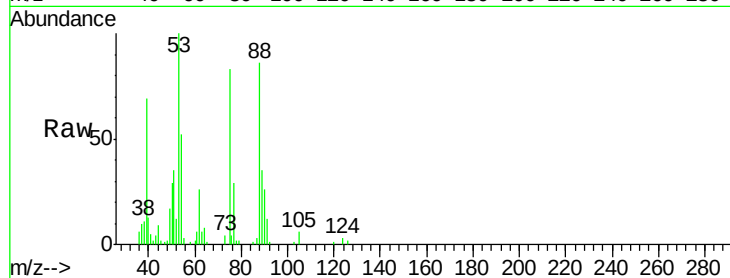
#81
trans-1,4-Dichloro-2-butene
Concen: 19.378 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.1	96.3	144.5
89	42.8	38.6	57.8

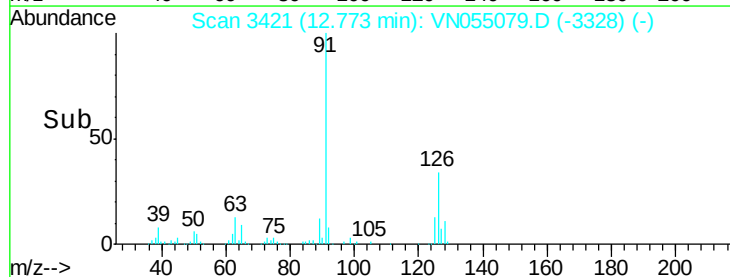
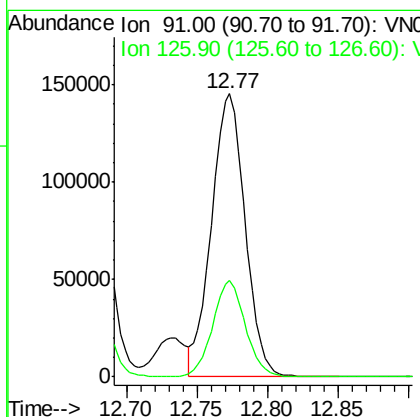
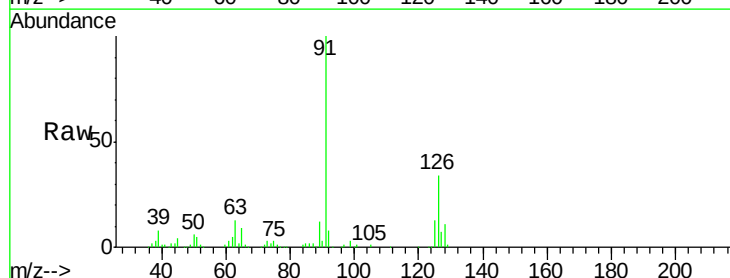
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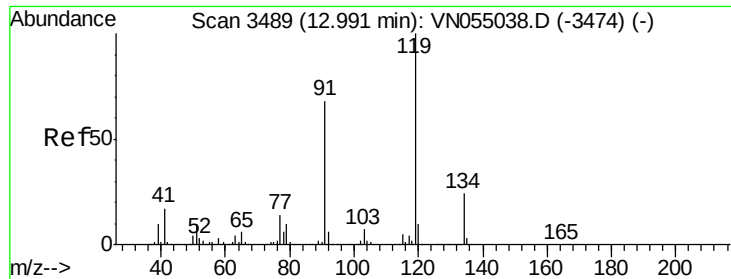
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#82
4-Chlorotoluene
Concen: 19.643 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055079.D
Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.2





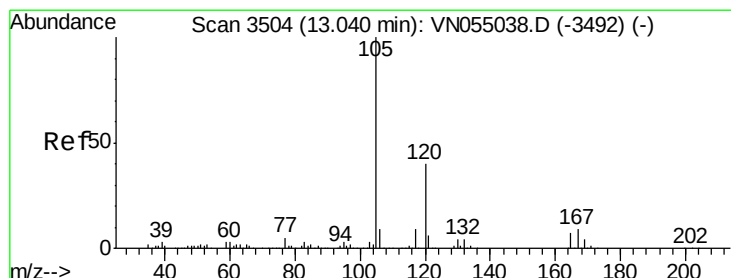
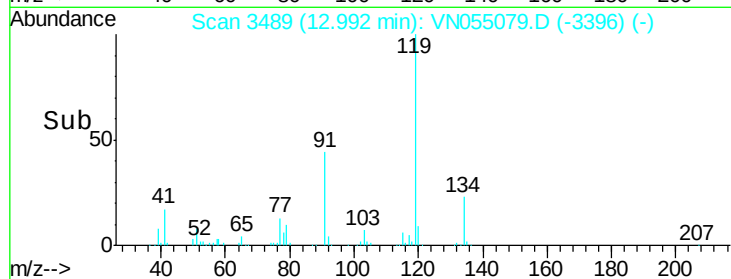
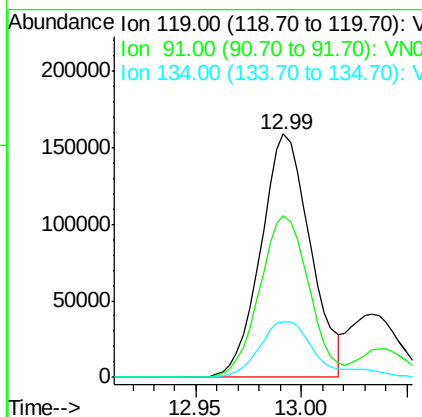
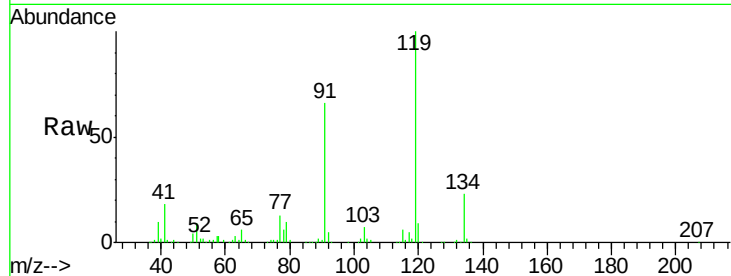
#83
 tert-Butylbenzene
 Concen: 19.658 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	259416		
91	66.4	33.3	99.8	
134	26.7	12.3	36.9	

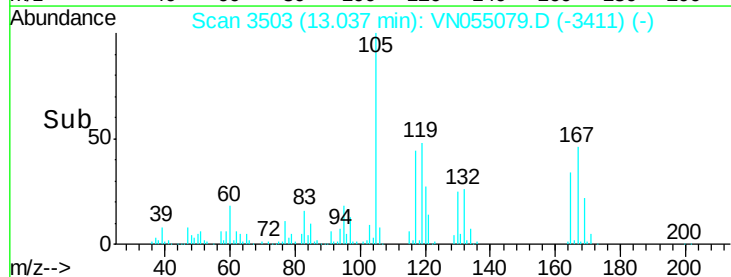
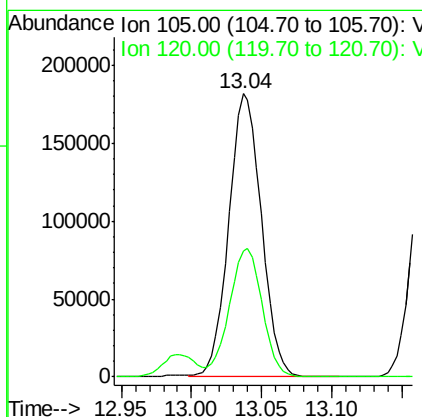
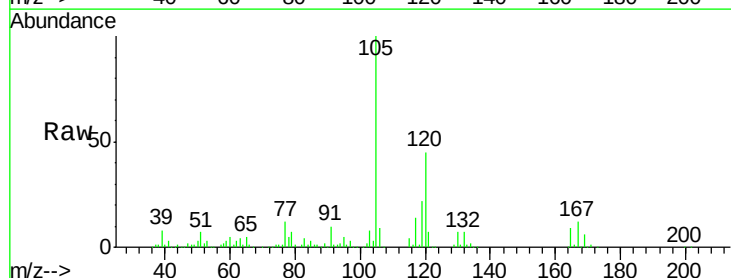
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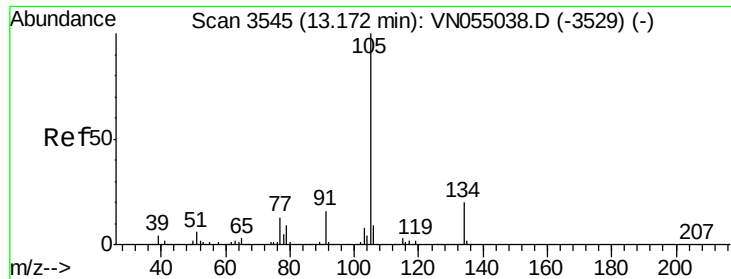
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.908 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294809		
120	45.8	22.4	67.3	





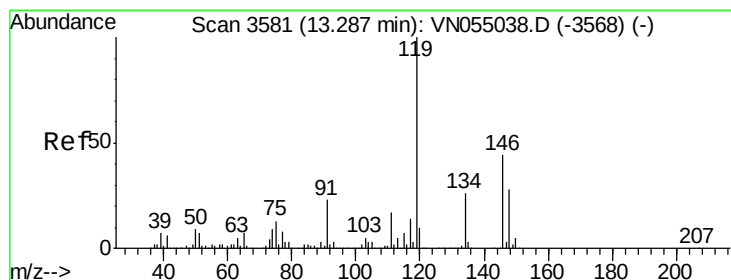
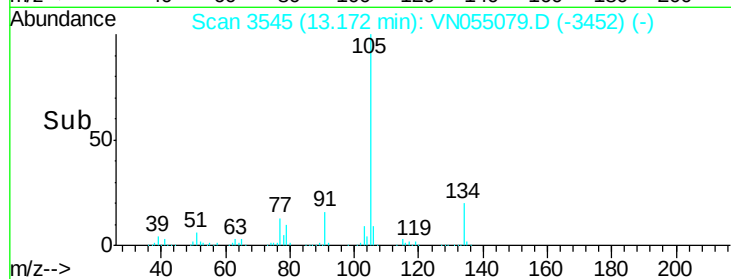
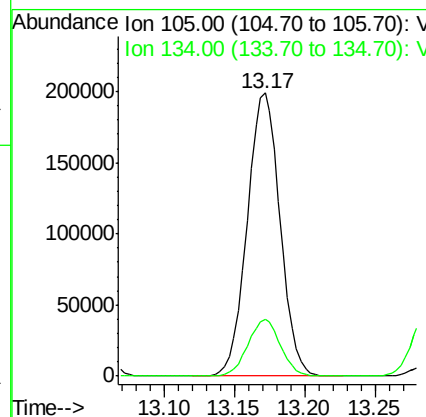
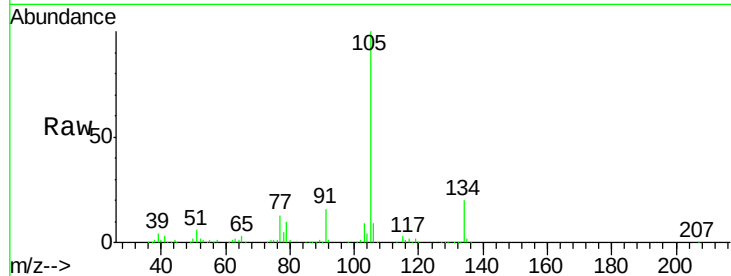
#85
 sec-Butylbenzene
 Concen: 19.301 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3

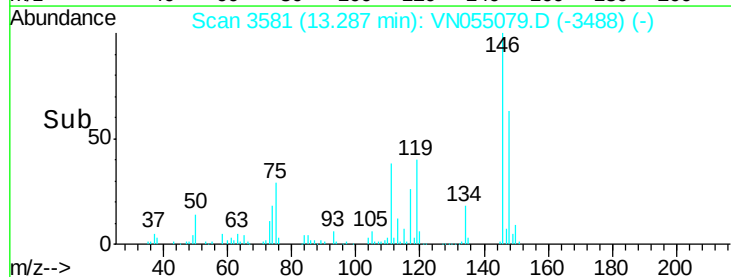
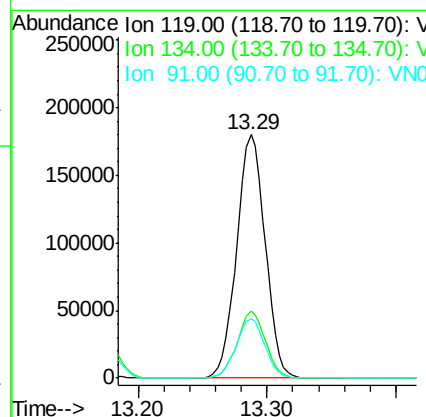
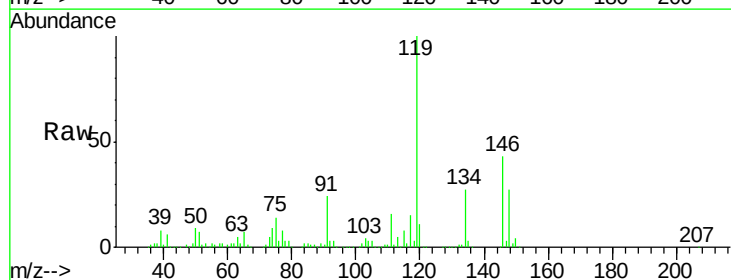
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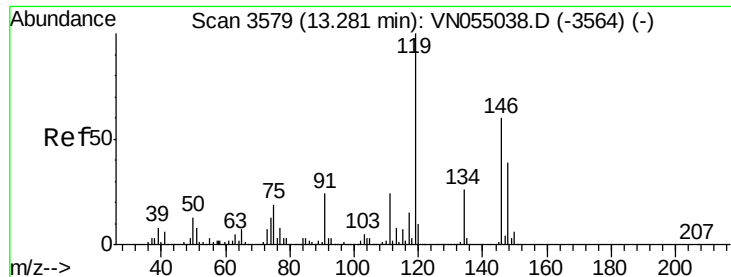
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#86
 p-Isopropyltoluene
 Concen: 19.159 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.2	39.5
91	24.2	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 19.758 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

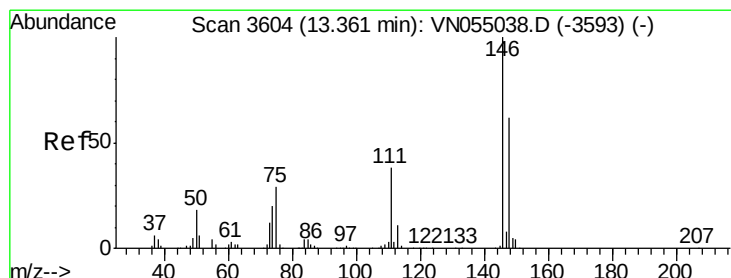
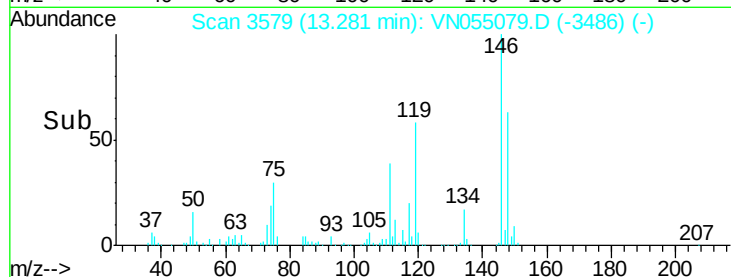
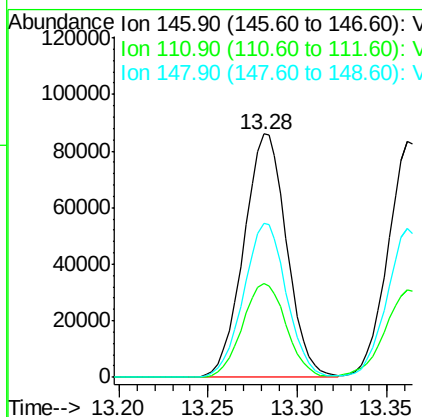
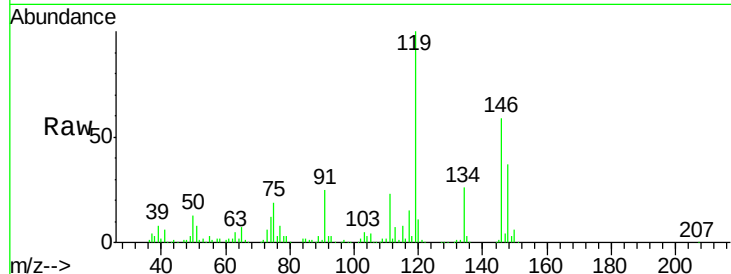
ClientSampleId :

VN0416WBS02

Tot Ion:	146	Resp:	144970
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.5	58.5
148	63.2	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 19.529 ug/l

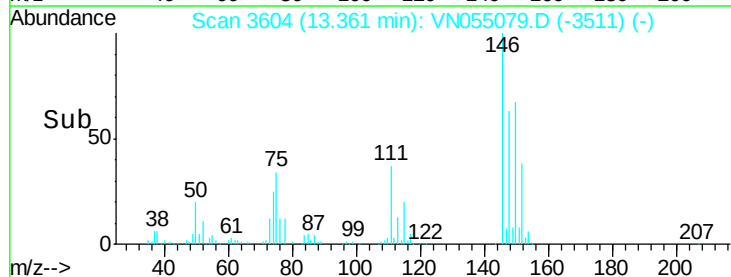
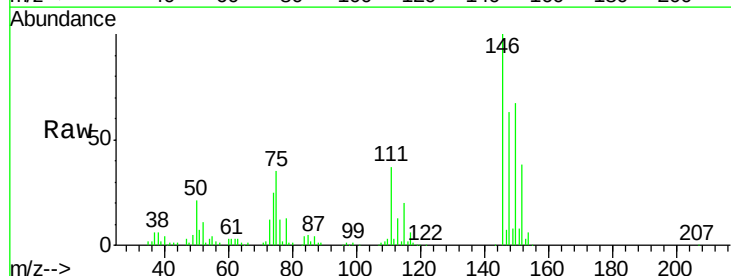
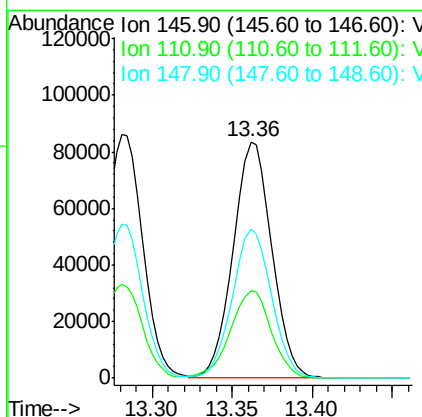
RT: 13.36 min Scan# 3604

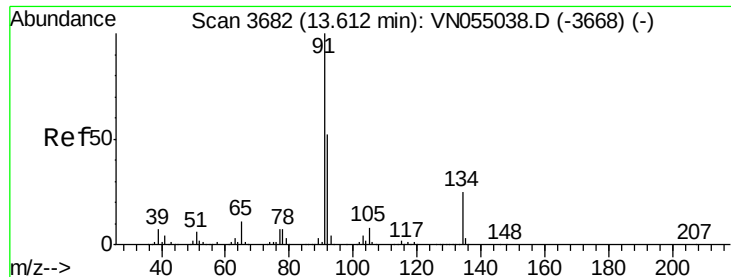
Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	146	Resp:	136644
Ion Ratio	Lower	Upper	
146	100		
111	39.5	18.8	56.4
148	64.3	32.4	97.2





#89

n-Butylbenzene

Concen: 19.269 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

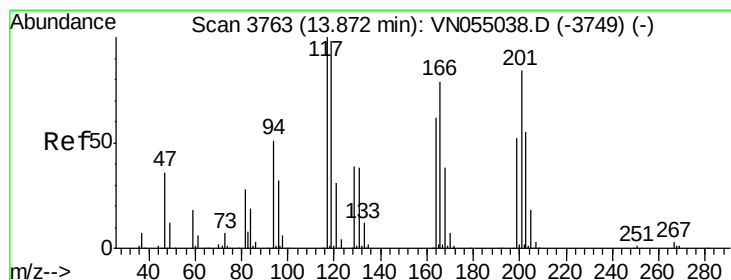
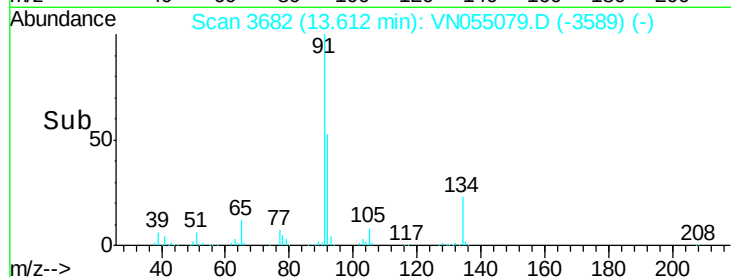
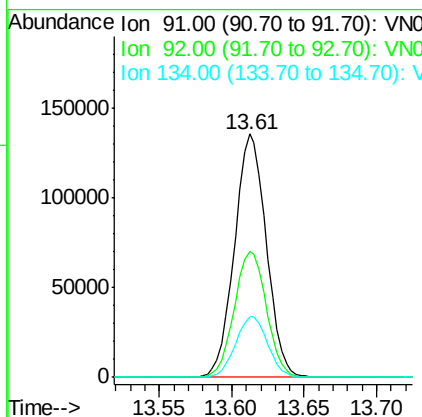
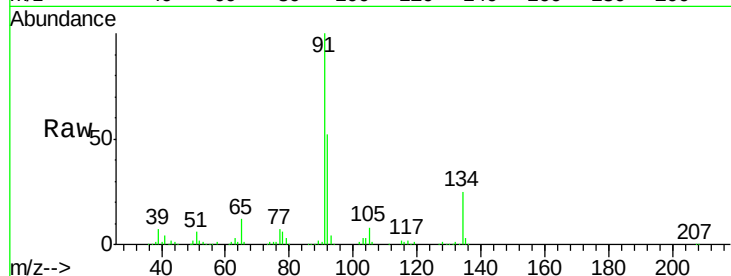
ClientSampleId :

VN0416WBS02

Tot Ion:	91	Resp:	206356
Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.7
134	25.2	12.8	38.3

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#90

Hexachloroethane

Concen: 19.365 ug/l

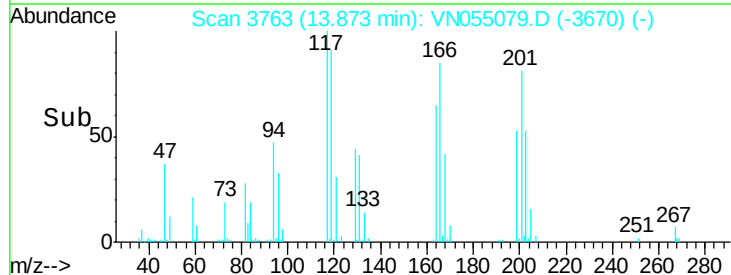
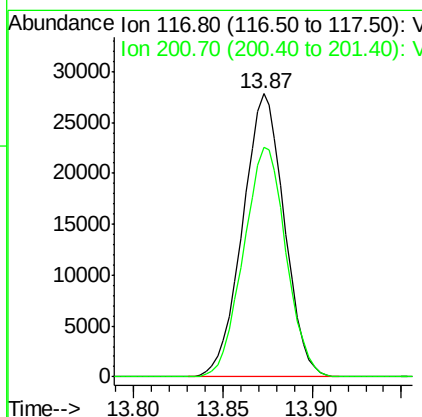
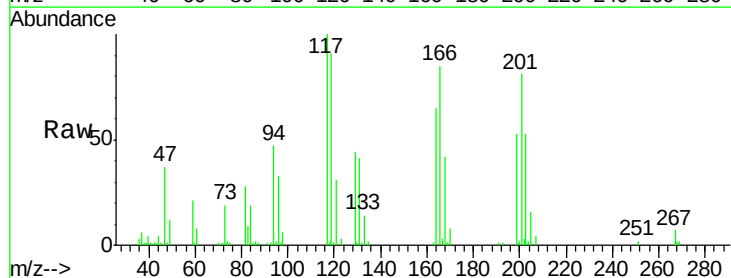
RT: 13.87 min Scan# 3763

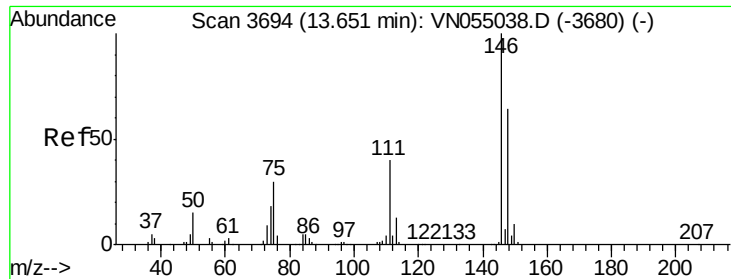
Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	117	Resp:	45457
Ion	Ratio	Lower	Upper
117	100		
201	82.6	43.4	130.2





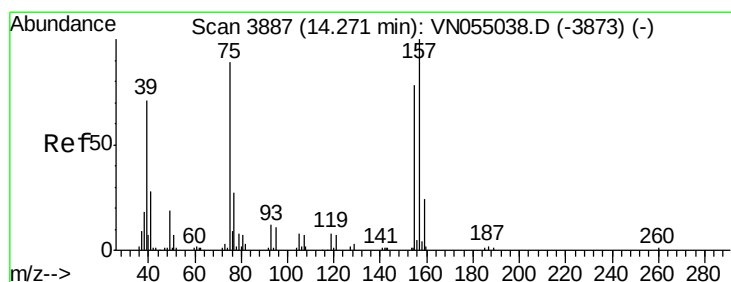
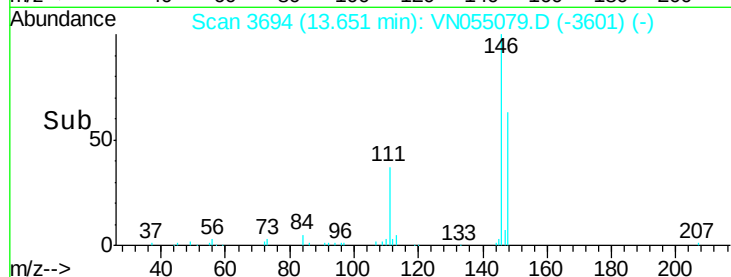
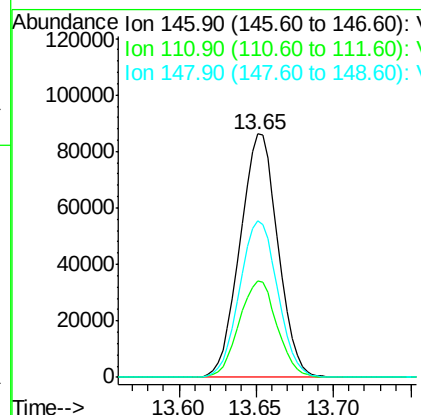
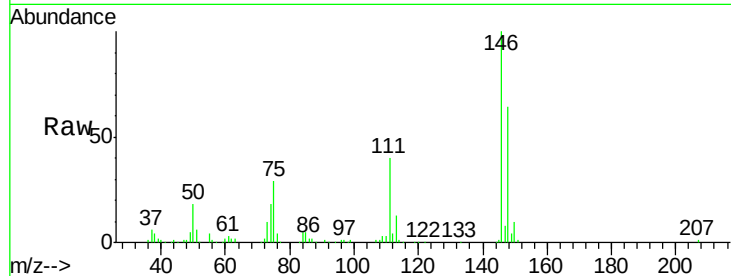
#91
 1,2-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.3	60.9
148	64.7	32.2	96.6

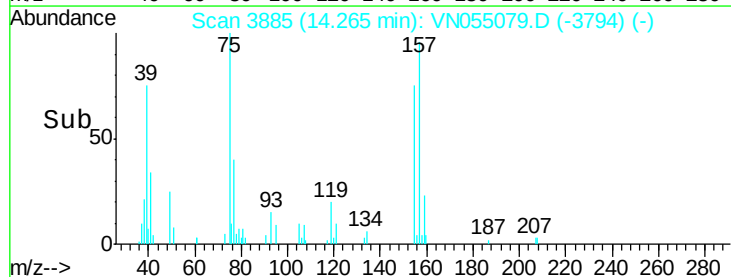
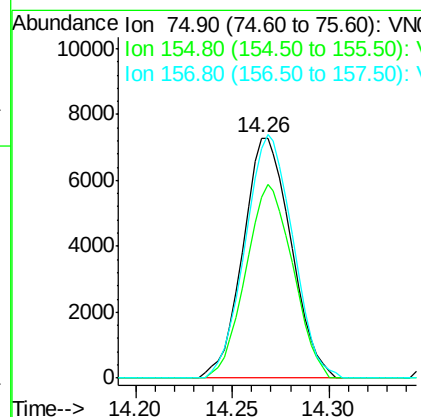
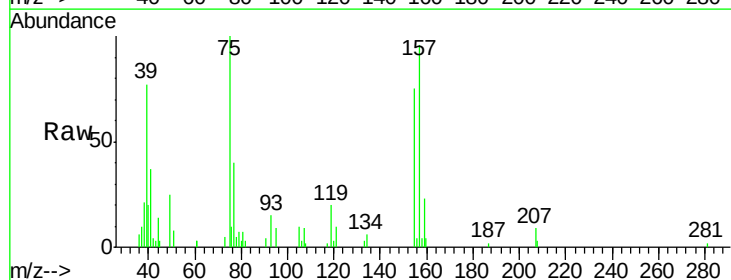
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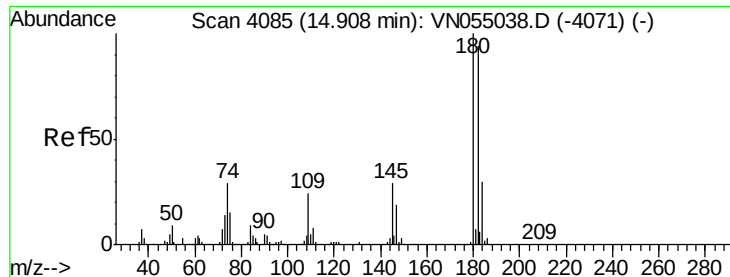
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.752 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN055079.D
 Acq: 16 Apr 2019 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	42.0	126.0
157	100.3	52.1	156.4





#93

1,2,4-Trichlorobenzene

Concen: 18.302 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

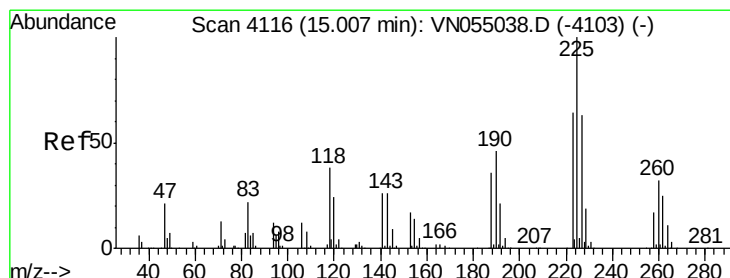
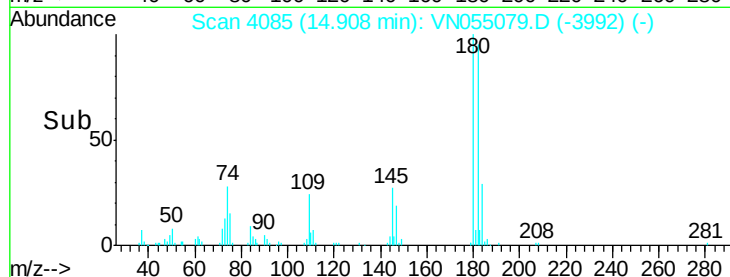
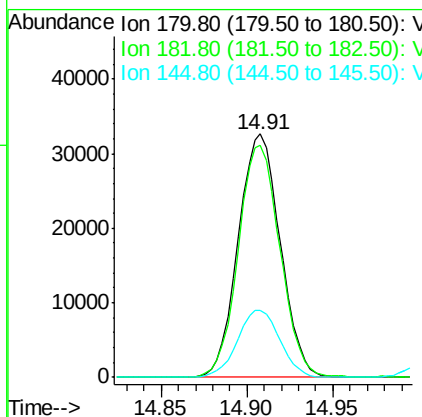
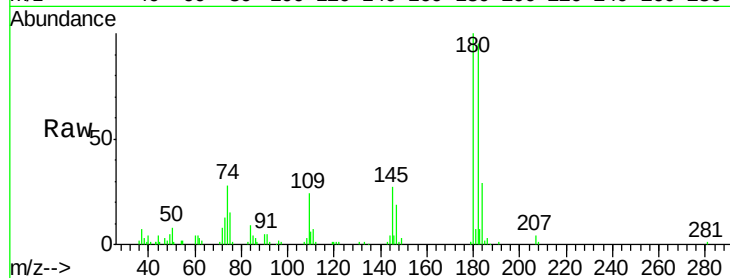
ClientSampleId :

VN0416WBS02

Tot Ion:	180	Resp:	55245
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.5	142.6
145	28.0	14.2	42.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 19.353 ug/l

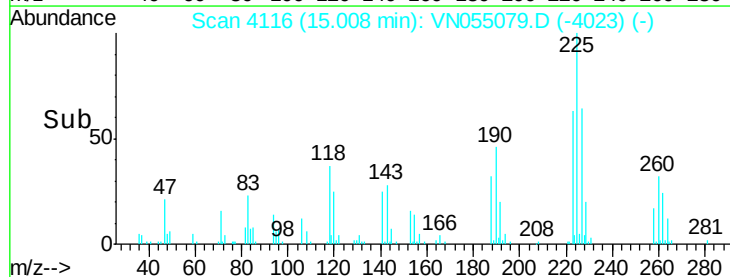
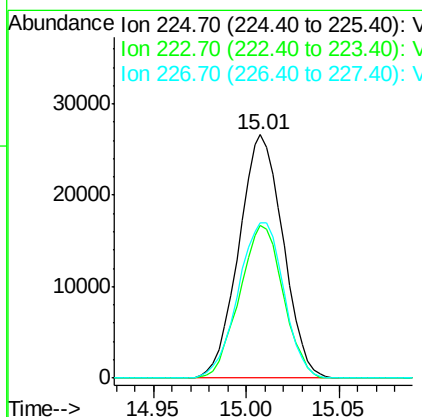
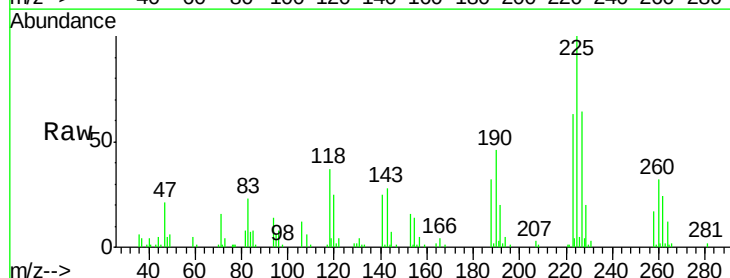
RT: 15.01 min Scan# 4116

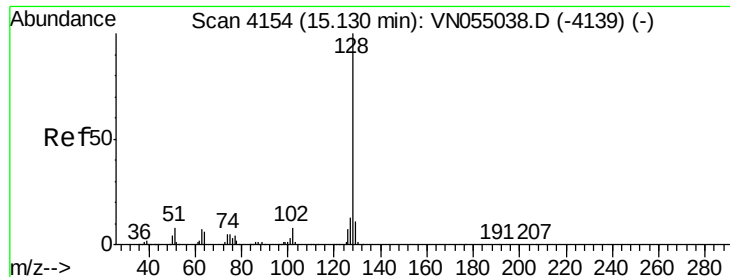
Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	225	Resp:	44129
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.4	94.0
227	65.8	32.6	97.7





#95

Naphthalene

Concen: 17.413 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Instrument :

MSVOA_N

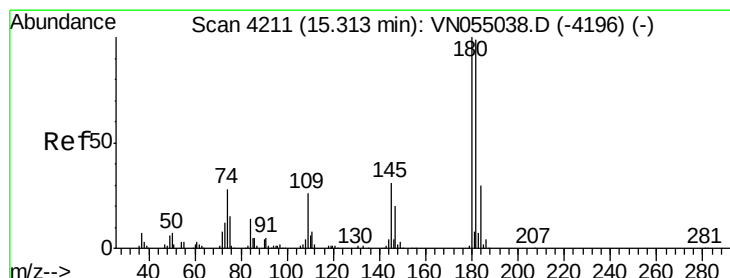
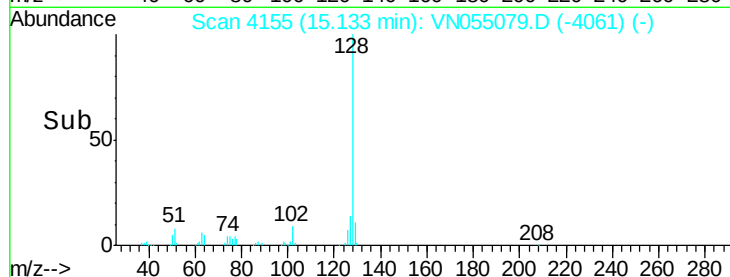
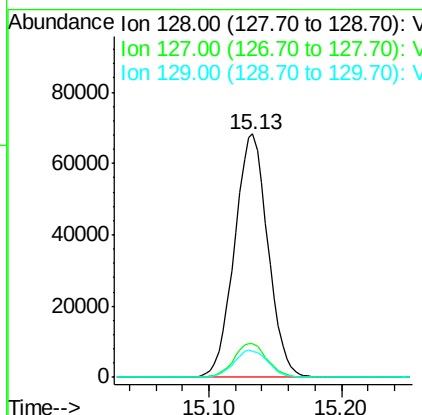
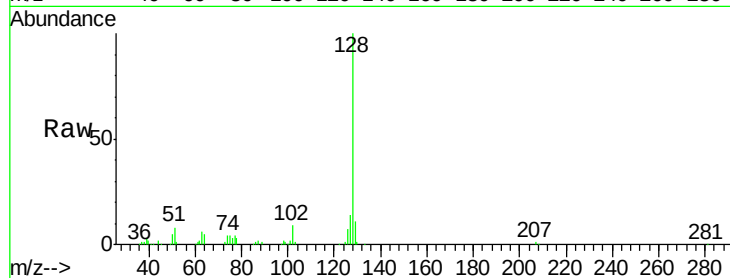
ClientSampleId :

VN0416WBS02

Tot Ion:	128	Resp:	119578
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.1	15.1
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 4:23:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.899 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055079.D

Acq: 16 Apr 2019 15:33

Tgt Ion:	180	Resp:	56670
Ion Ratio	Lower	Upper	
180	100		
182	93.9	48.0	144.0
145	30.3	15.3	45.9

