

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055775.D
 Acq On : 24 May 2019 00:18
 Operator : JC/SP
 Sample : VN0523MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

Quant Time: May 24 06:54:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	382267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	546060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	488851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	189549	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.59	113	173658	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	664979	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.40	95	224487	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	47133	18.320	ug/l	100
3) Chloromethane	2.06	50	67490	18.723	ug/l	99
4) Vinyl Chloride	2.18	62	69742	18.140	ug/l	100
5) Bromomethane	2.53	94	46829	19.469	ug/l	99
6) Chloroethane	2.68	64	43649	18.857	ug/l	97
7) Trichlorofluoromethane	3.01	101	93290	18.508	ug/l	100
8) Diethyl Ether	3.40	74	41565	18.399	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	59547	18.925	ug/l	97
10) Methyl Iodide	3.94	142	93913	20.415	ug/l	99
11) Tert butyl alcohol	4.82	59	75464	100.047	ug/l	98
12) 1,1-Dichloroethene	3.72	96	62095	19.100	ug/l	96
13) Acrolein	3.60	56	46533	86.157	ug/l	99
14) Allyl chloride	4.31	41	101549	18.221	ug/l	98
15) Acrylonitrile	4.99	53	169271	97.730	ug/l	99
16) Acetone	3.82	43	134775	77.665	ug/l	99
17) Carbon Disulfide	4.04	76	164681	17.829	ug/l	99
18) Methyl Acetate	4.33	43	71983	19.636	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	209609	19.332	ug/l	96
20) Methylene Chloride	4.54	84	72117	19.189	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	66364	19.001	ug/l	97
22) Diisopropyl ether	5.96	45	205445	18.953	ug/l	97
23) Vinyl Acetate	5.90	43	868679	93.467	ug/l	99
24) 1,1-Dichloroethane	5.84	63	119166	18.881	ug/l	99
25) 2-Butanone	6.84	43	223173	92.085	ug/l	99
26) 2,2-Dichloropropane	6.82	77	76767	14.054	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	78047	19.153	ug/l	97
28) Bromochloromethane	7.19	49	58310	19.405	ug/l	93
29) Tetrahydrofuran	7.22	42	149636	97.498	ug/l	98
30) Chloroform	7.37	83	121773	19.347	ug/l	99
31) Cyclohexane	7.65	56	116859	19.722	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	106789	19.013	ug/l	98
36) 1,1-Dichloropropene	7.79	75	89008	18.704	ug/l	99
37) Ethyl Acetate	6.93	43	90607	19.700	ug/l	100
38) Carbon Tetrachloride	7.77	117	96338	19.435	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117993	20.023	ug/l	97
40) Benzene	8.04	78	283277	19.752	ug/l	100
41) Methacrylonitrile	7.18	41	42473	18.279	ug/l	95
42) 1,2-Dichloroethane	8.12	62	90627	19.338	ug/l	99
43) Isopropyl Acetate	8.17	43	149505	19.347	ug/l	100
44) Trichloroethene	8.83	130	84045	21.021	ug/l	99
45) 1,2-Dichloropropane	9.12	63	73943	19.789	ug/l	98
46) Dibromomethane	9.21	93	49330	20.130	ug/l	96
47) Bromodichloromethane	9.40	83	96870	19.278	ug/l	100
48) Methyl methacrylate	9.20	41	71703	20.133	ug/l	98
49) 1,4-Dioxane	9.20	88	30367	410.310	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	454935	99.681	ug/l	98
52) Toluene	10.16	92	181457	20.117	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	99533	18.557	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	109868	18.490	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	74811	20.703	ug/l	98
56) Ethyl methacrylate	10.43	69	110983	19.873	ug/l	99
57) 1,3-Dichloropropane	10.71	76	116328	19.805	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	208367	97.633	ug/l	98
59) 2-Hexanone	10.75	43	314630	97.178	ug/l	98
60) Dibromochloromethane	10.90	129	82378	19.569	ug/l	97
61) 1,2-Dibromoethane	11.00	107	75888	20.247	ug/l	97
64) Tetrachloroethene	10.63	164	86395	20.954	ug/l	99
65) Chlorobenzene	11.43	112	197524	20.184	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	76300	19.549	ug/l	99
67) Ethyl Benzene	11.51	91	348061	19.833	ug/l	99
68) m/p-Xylenes	11.62	106	268372	40.451	ug/l	98
69) o-Xylene	11.95	106	132786	20.173	ug/l	100
70) Styrene	11.96	104	219591	20.600	ug/l	100
71) Bromoform	12.13	173	66887	20.091	ug/l #	100
73) Isopropylbenzene	12.25	105	360245	20.972	ug/l	99
74) N-amyl acetate	12.07	43	123857	18.923	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	101206	19.331	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127869	31.881	ug/l #	100
77) Bromobenzene	12.53	156	321403	66.977	ug/l #	17
78) n-propylbenzene	12.59	91	380629	19.475	ug/l	98
79) 2-Chlorotoluene	12.67	91	222319	19.566	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	295251	20.413	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28172	16.856	ug/l	98
82) 4-Chlorotoluene	12.77	91	213422	18.576	ug/l	99
83) tert-Butylbenzene	12.99	119	254848	20.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	289653	20.150	ug/l	99
85) sec-Butylbenzene	13.17	105	320481	19.741	ug/l	98
86) p-Isopropyltoluene	13.29	119	296219	18.968	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	146448	19.274	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	140157	19.401	ug/l	100
89) n-Butylbenzene	13.61	91	225728	18.864	ug/l	99
90) Hexachloroethane	13.87	117	55631	18.715	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	145383	19.178	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18327	18.393	ug/l	91

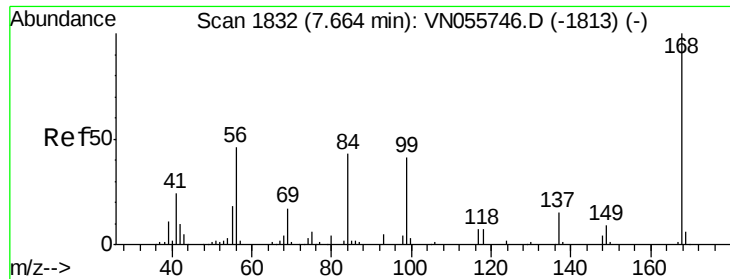
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052319\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79219	20.478	ug/l	99
94) Hexachlorobutadiene	15.01	225	57477	20.465	ug/l	99
95) Naphthalene	15.13	128	265046	25.479	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	84868	21.178	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: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

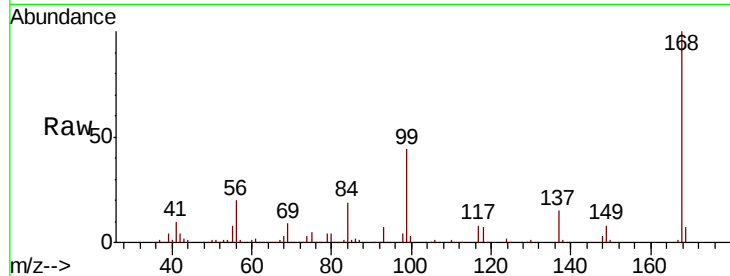
VN0523MBS01

Tot Ion:168 Resp: 382267

Ion Ratio Lower Upper

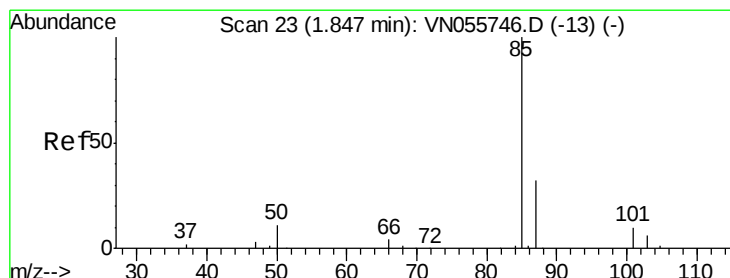
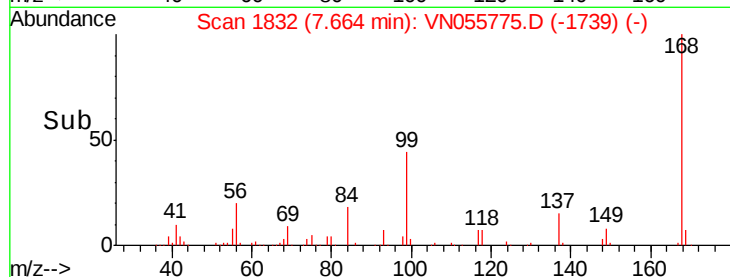
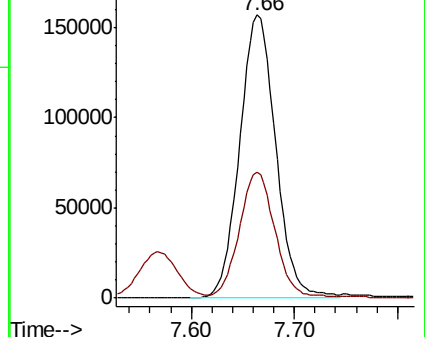
168 100

99 43.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.320 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055775.D

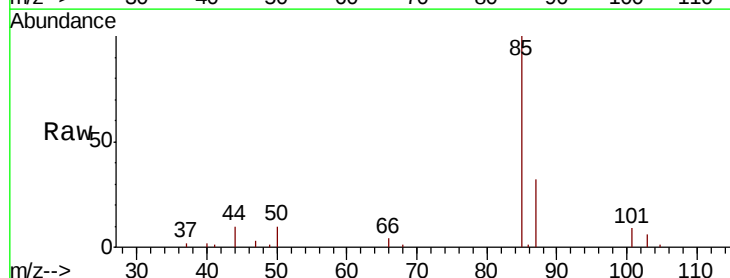
Acq: 24 May 2019 00:18

Tgt Ion: 85 Resp: 47133

Ion Ratio Lower Upper

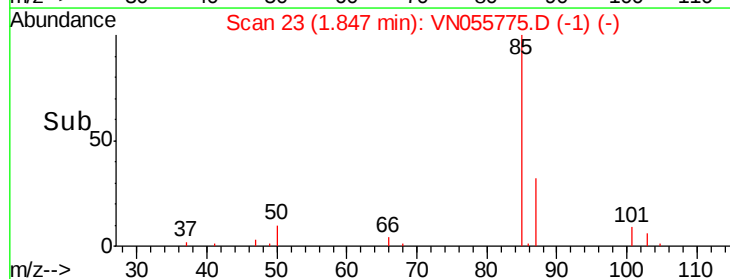
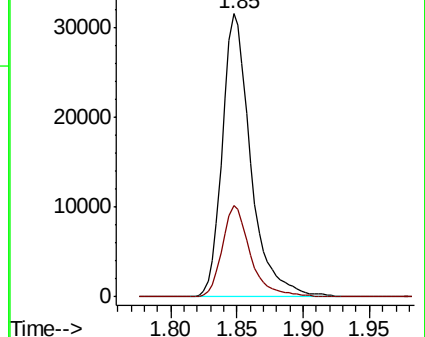
85 100

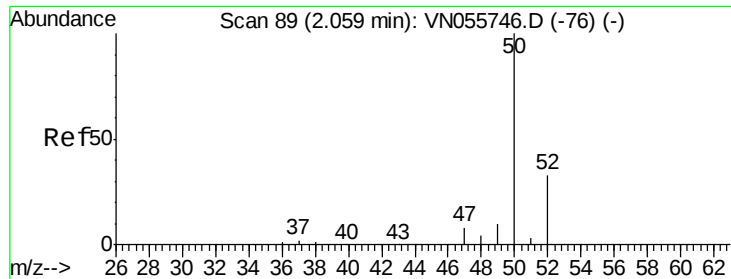
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.723 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

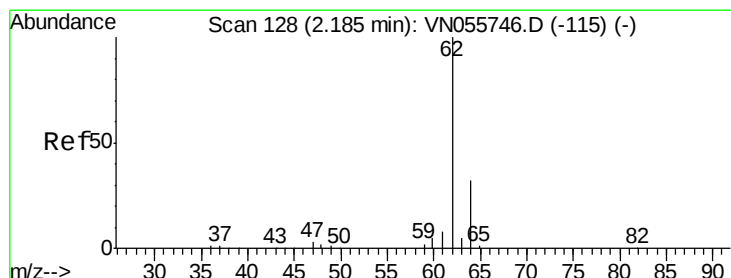
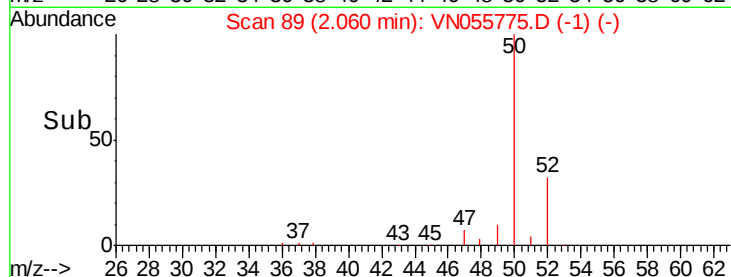
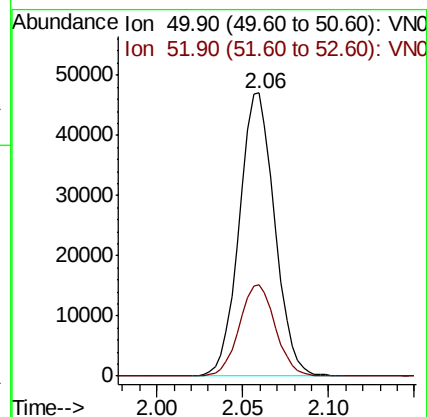
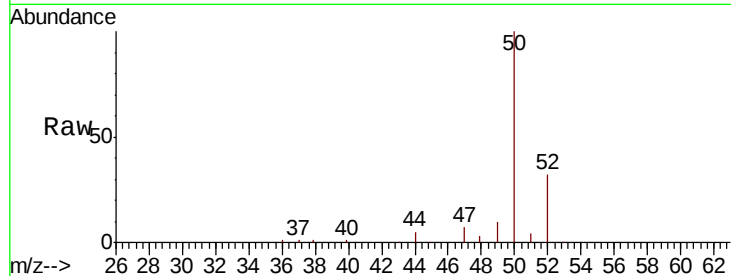
VN0523MBSD01

Tot Ion: 50 Resp: 67490

Ion Ratio Lower Upper

50 100

52 32.5 26.6 40.0



#4

Vinyl Chloride

Concen: 18.140 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055775.D

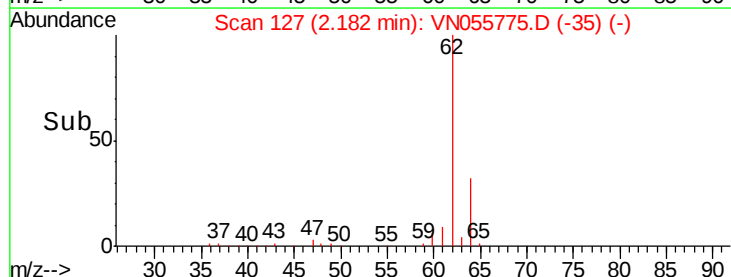
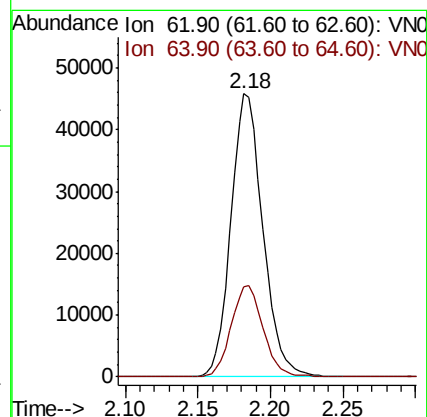
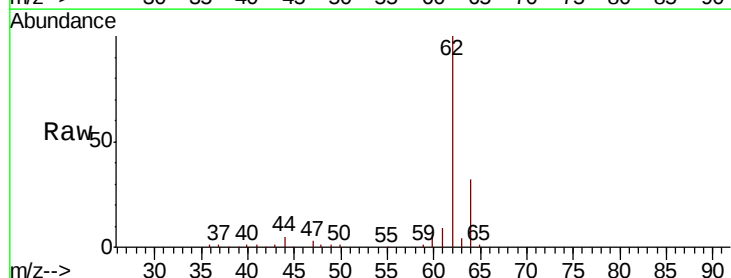
Acq: 24 May 2019 00:18

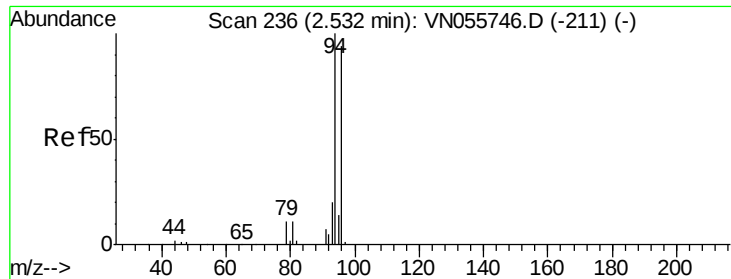
Tgt Ion: 62 Resp: 69742

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 19.469 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

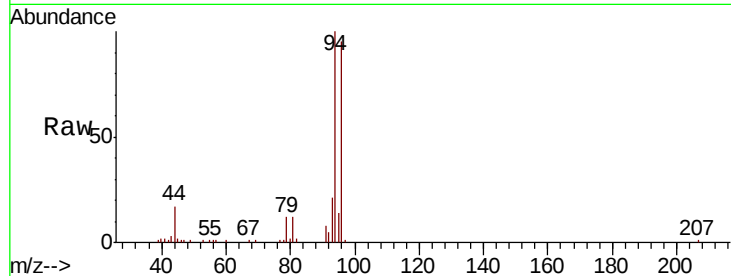
VN0523MBSD01

Tot Ion: 94 Resp: 46829

Ion Ratio Lower Upper

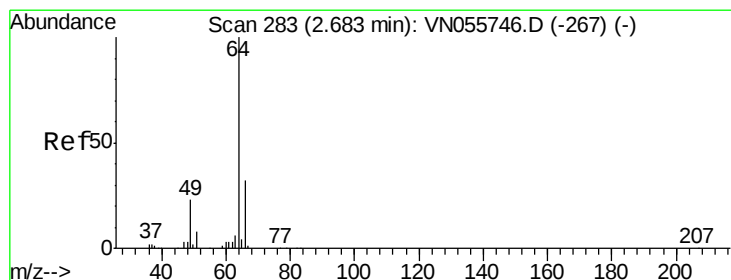
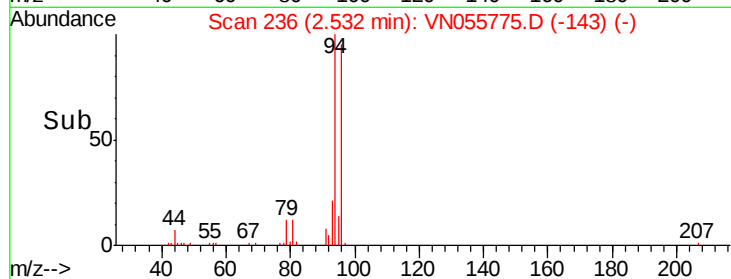
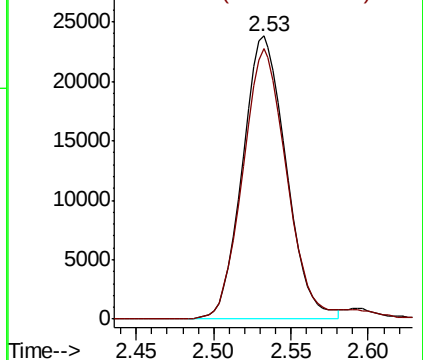
94 100

96 95.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.857 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055775.D

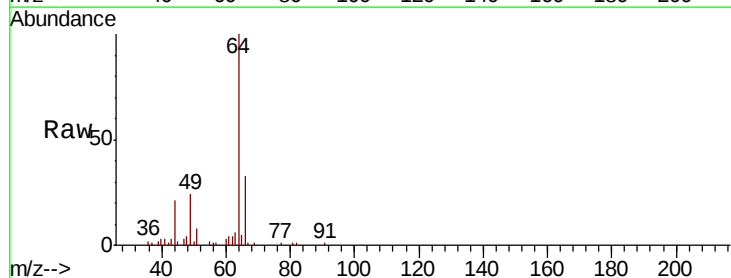
Acq: 24 May 2019 00:18

Tgt Ion: 64 Resp: 43649

Ion Ratio Lower Upper

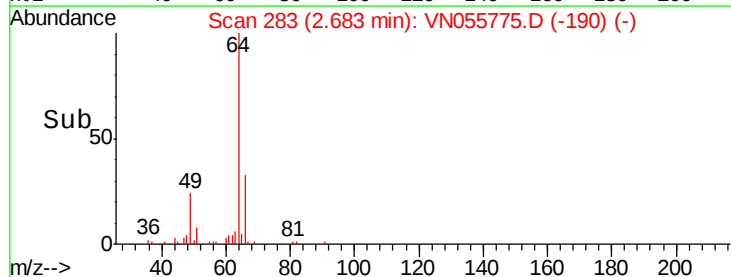
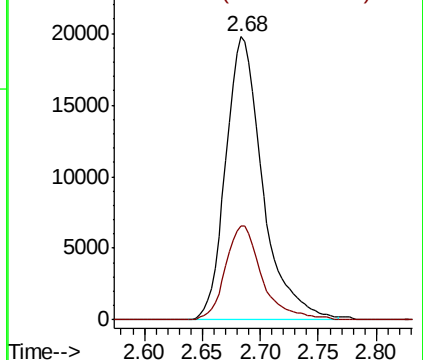
64 100

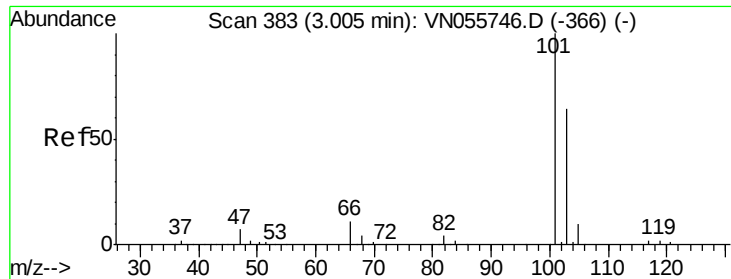
66 33.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



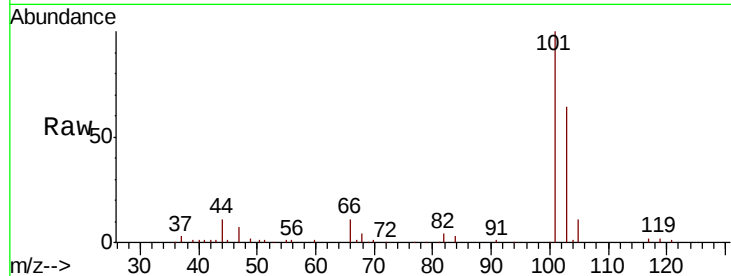


#7

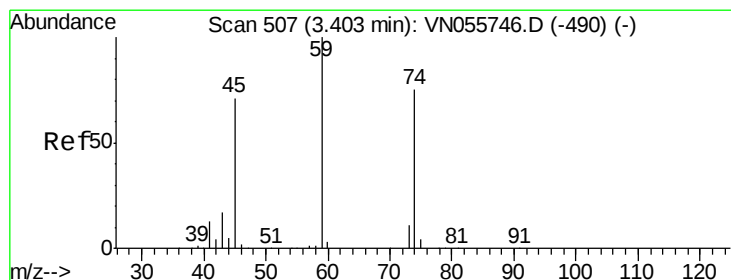
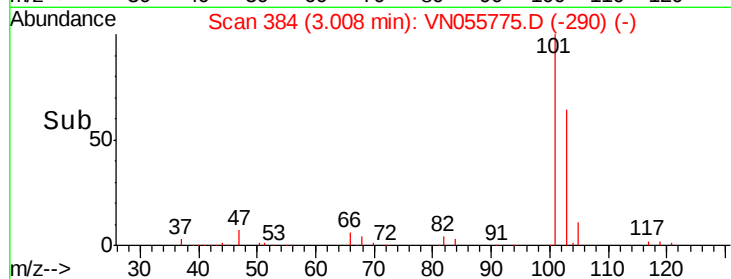
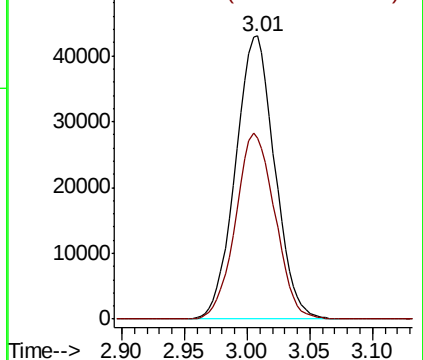
Trichlorofluoromethane
 Concen: 18.508 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Instrument :
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 VN0523MBSD01

Tot Ion:101 Resp: 93290
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.2 76.8



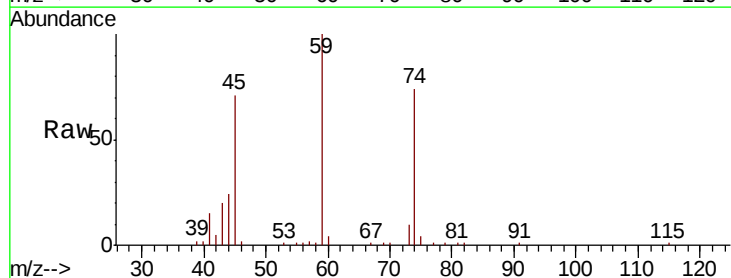
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



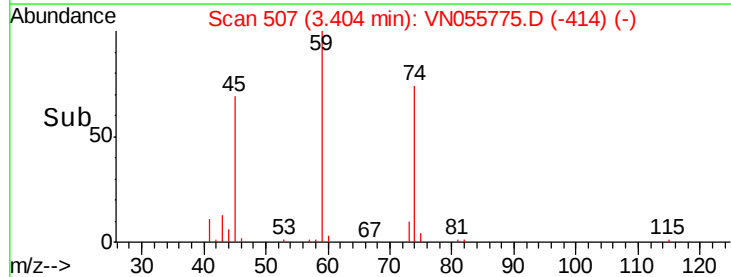
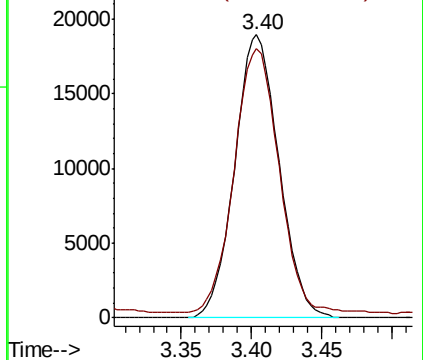
#8

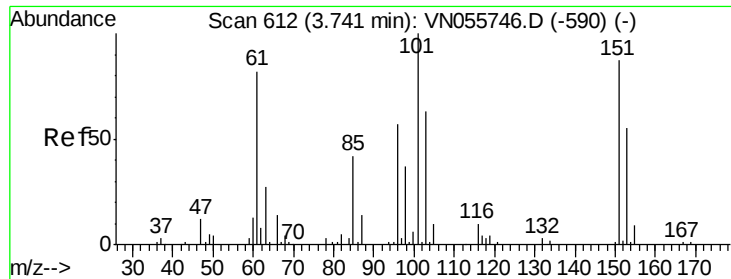
Diethyl Ether
 Concen: 18.399 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion: 74 Resp: 41565
 Ion Ratio Lower Upper
 74 100
 45 93.2 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): V
 Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.925 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

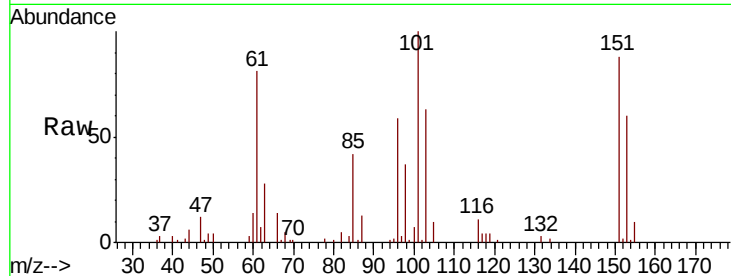
Tot Ion:101 Resp: 59547

Ion Ratio Lower Upper

101 100

85 40.6 33.4 50.2

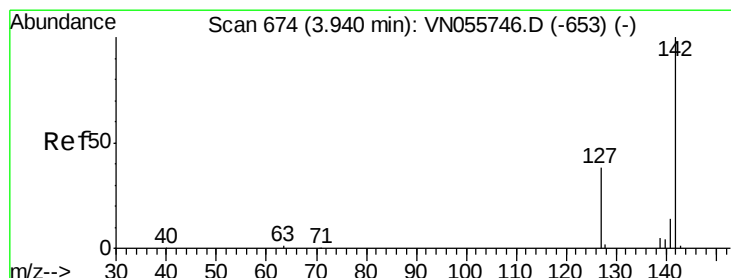
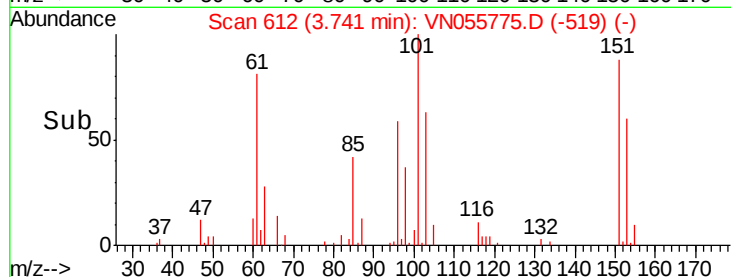
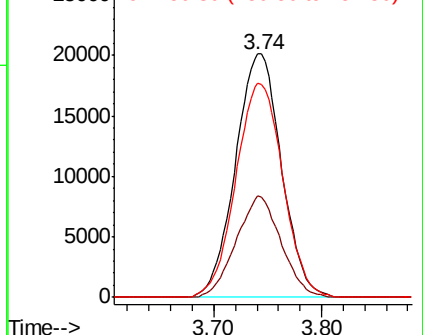
151 90.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.415 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

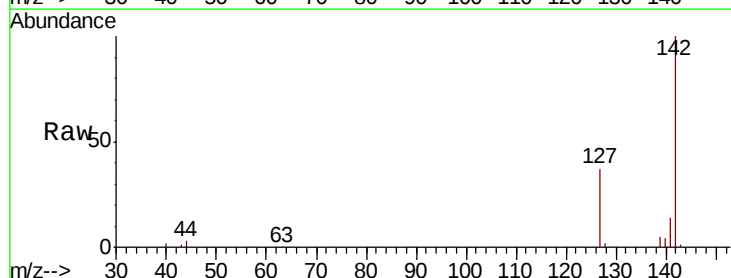
Tgt Ion:142 Resp: 93913

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.4

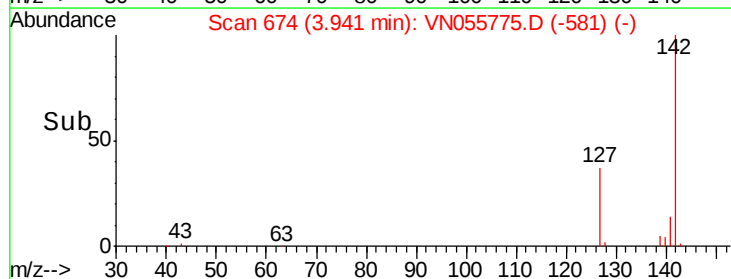
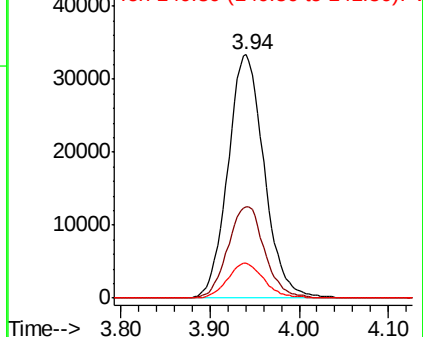
141 14.3 11.4 17.0

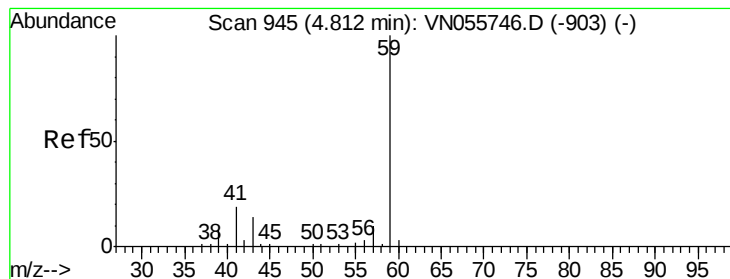


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



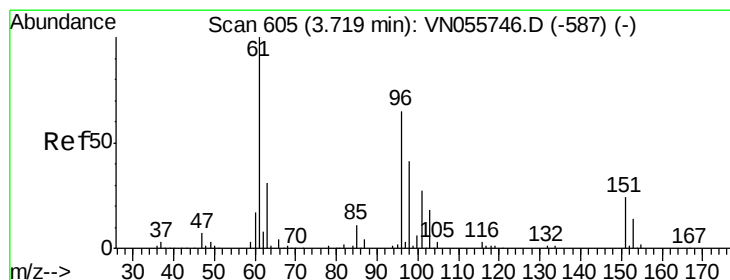
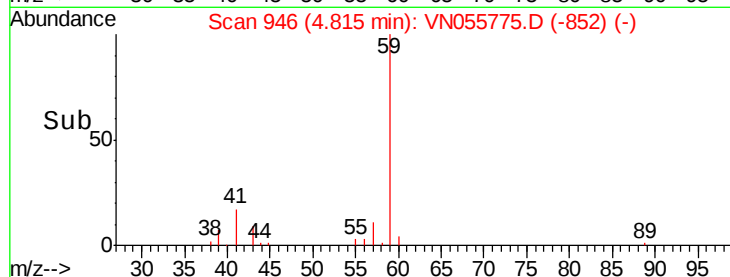
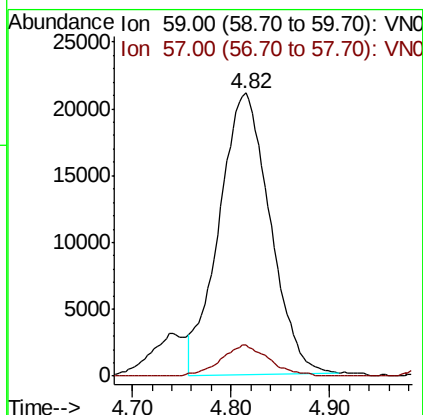
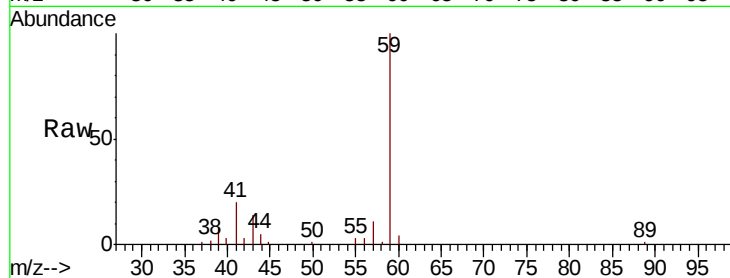


#11

Tert butyl alcohol
 Concen: 100.047 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

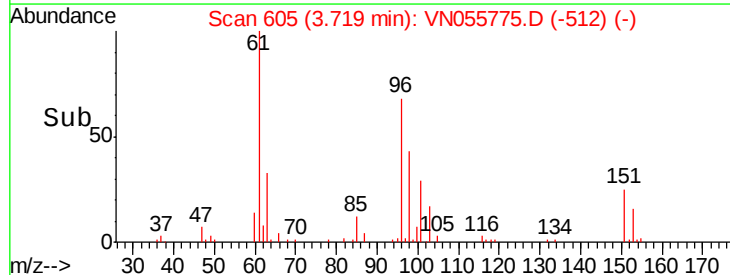
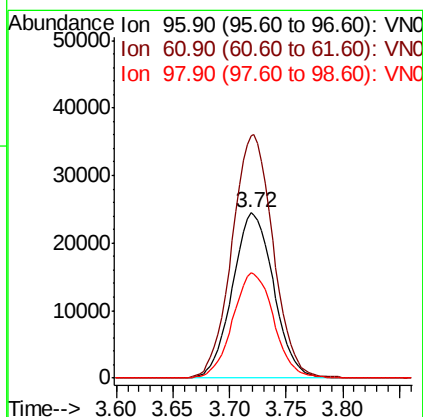
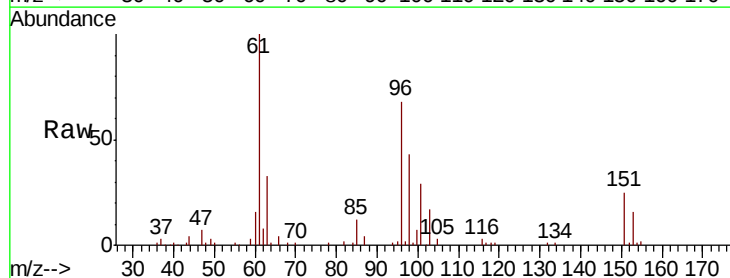
Tot Ion: 59 Resp: 75464
 Ion Ratio Lower Upper
 59 100
 57 10.6 7.8 11.6

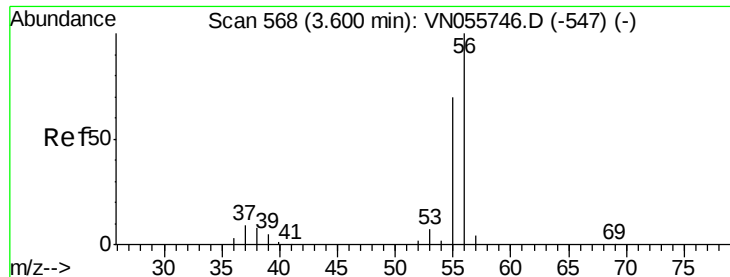


#12

1,1-Dichloroethene
 Concen: 19.100 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion: 96 Resp: 62095
 Ion Ratio Lower Upper
 96 100
 61 147.2 123.2 184.8
 98 63.6 50.4 75.6





#13

Acrolein

Concen: 86.157 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

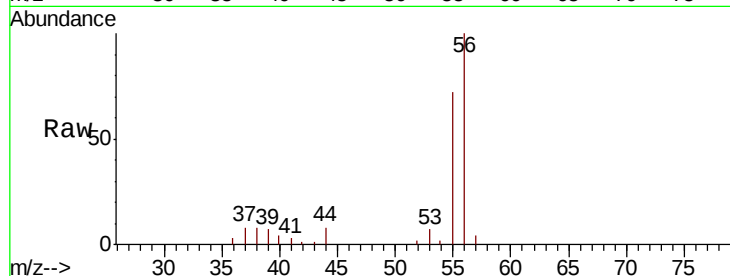
VN0523MBSD01

Tot Ion: 56 Resp: 46533

Ion Ratio Lower Upper

56 100

55 68.4 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

5000

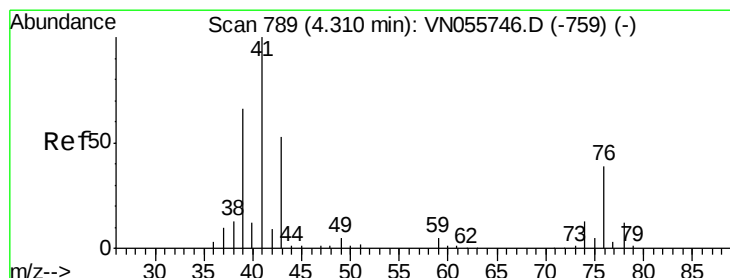
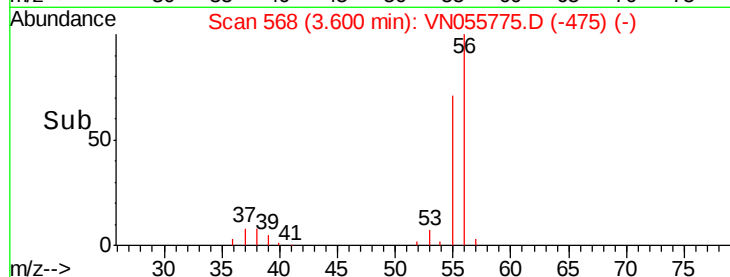
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 18.221 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

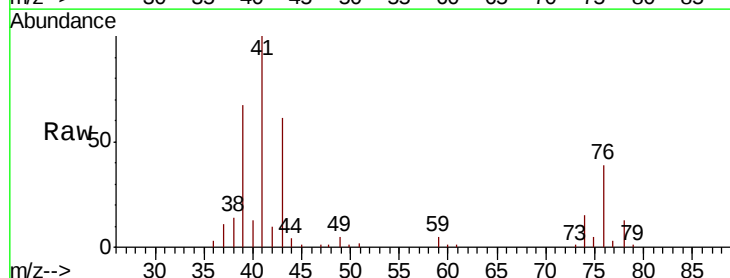
Tgt Ion: 41 Resp: 101549

Ion Ratio Lower Upper

41 100

39 61.1 50.0 75.0

76 34.2 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

20000

10000

0

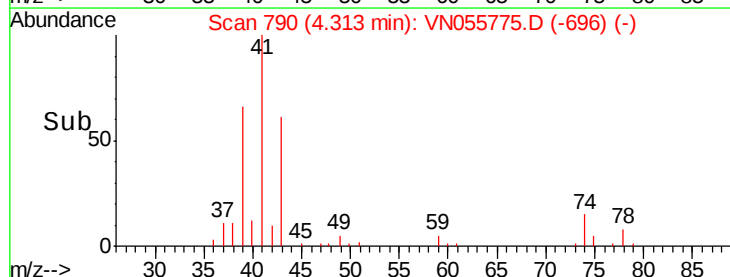
4.10

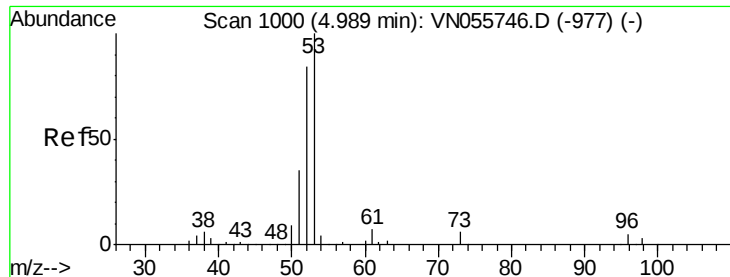
4.20

4.30

4.40

Time-->



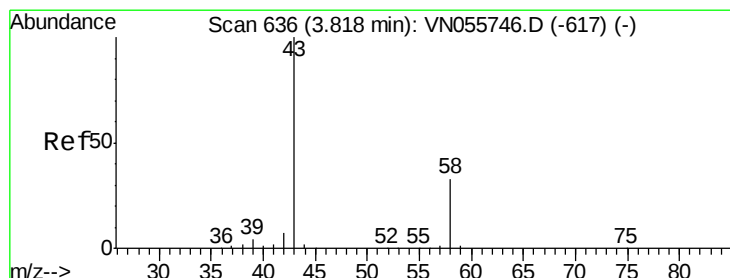
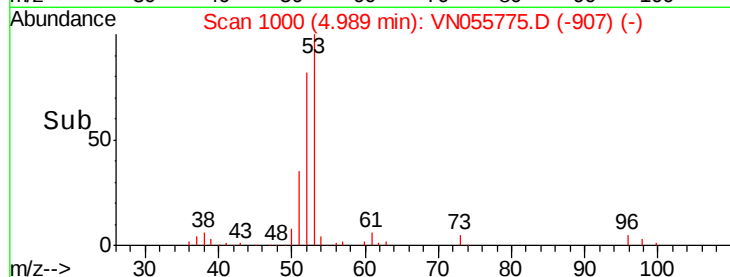
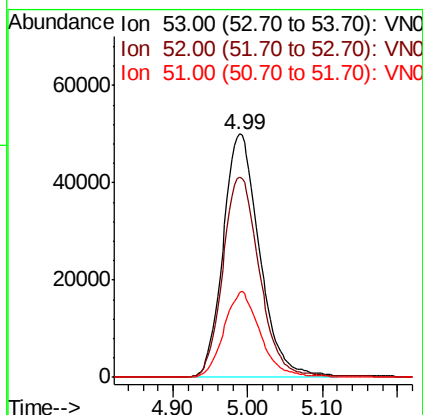
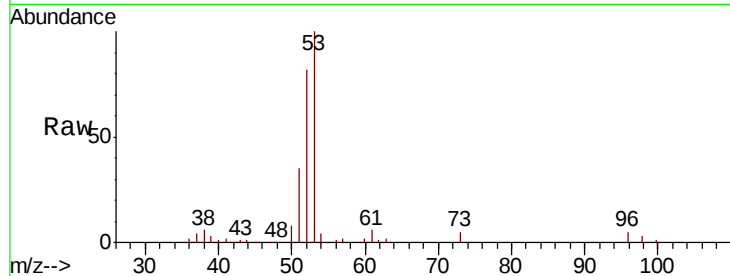


#15
 Acrylonitrile
 Concen: 97.730 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

Tot Ion: 53 Resp: 169271

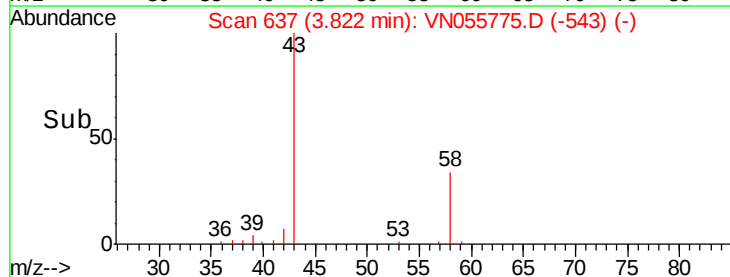
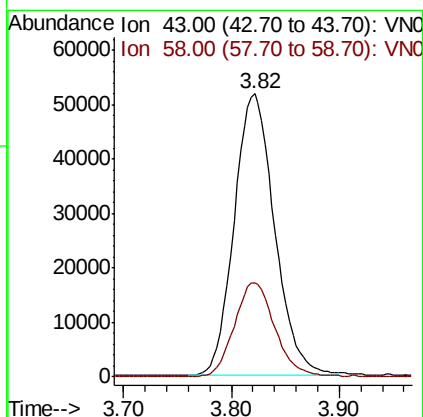
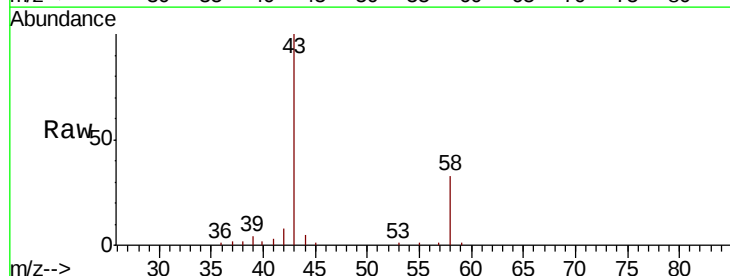
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.8	98.8
51	35.3	28.2	42.4

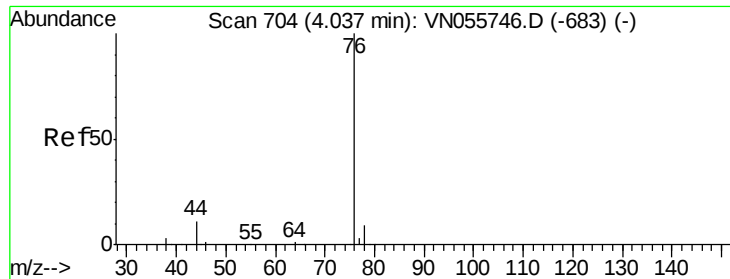


#16
 Acetone
 Concen: 77.665 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion: 43 Resp: 134775

Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.6	39.8

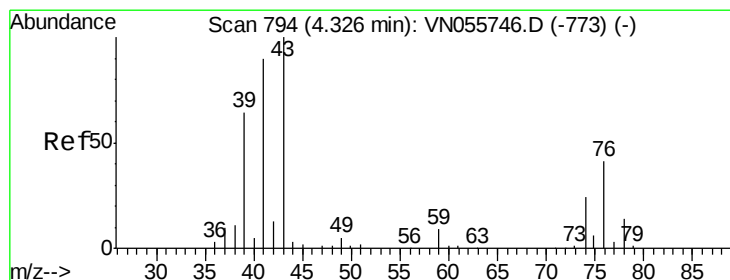
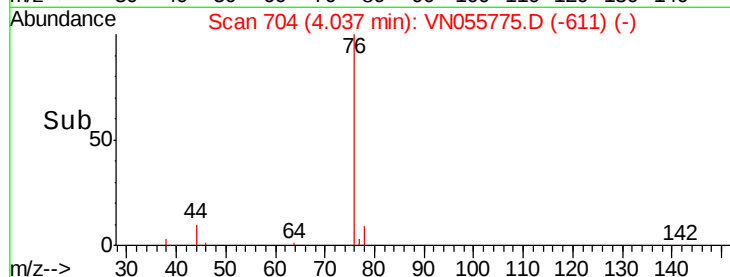
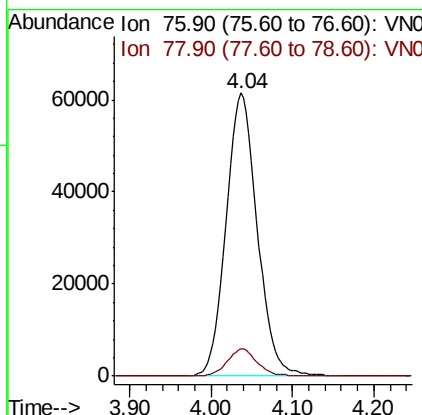
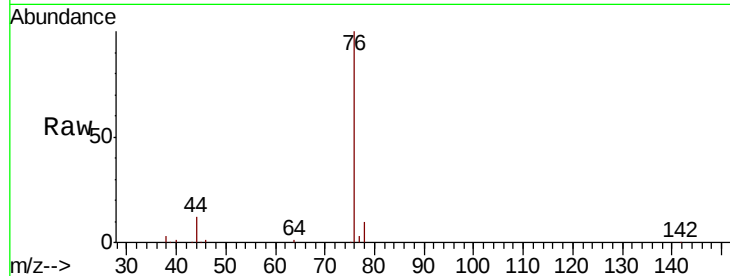




#17
Carbon Disulfide
Concen: 17.829 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

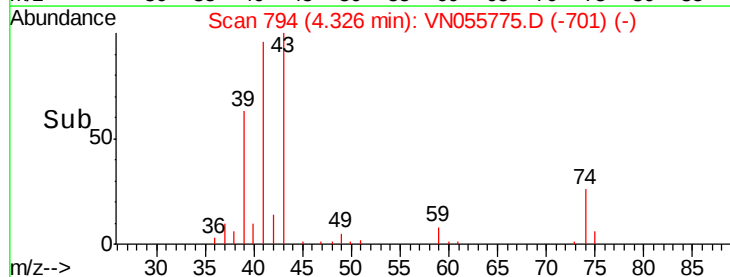
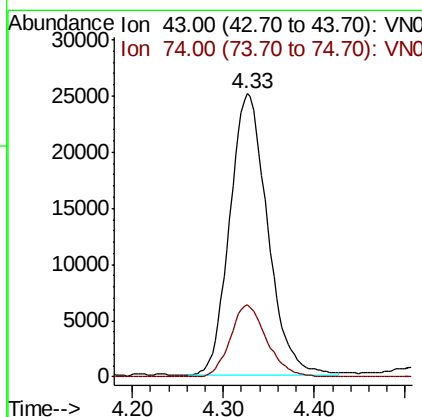
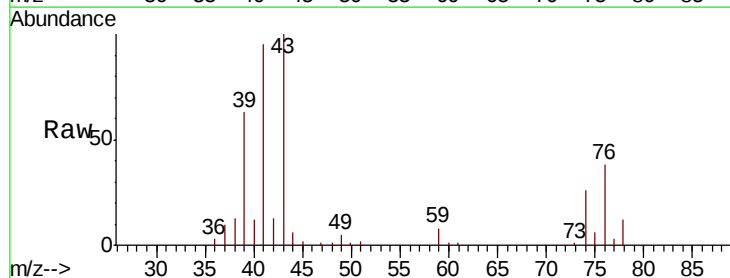
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

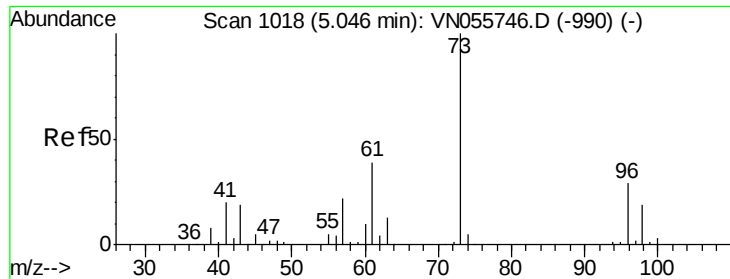
Tot Ion: 76 Resp: 164681
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#18
Methyl Acetate
Concen: 19.636 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 43 Resp: 71983
Ion Ratio Lower Upper
43 100
74 24.7 19.3 28.9

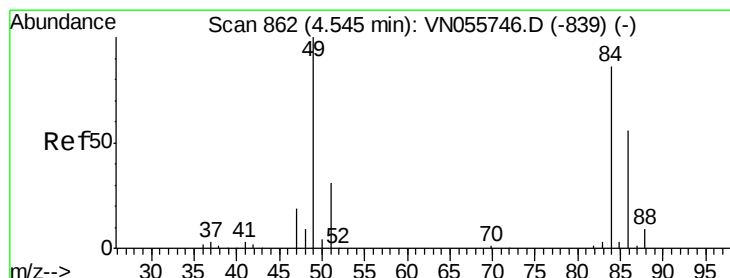
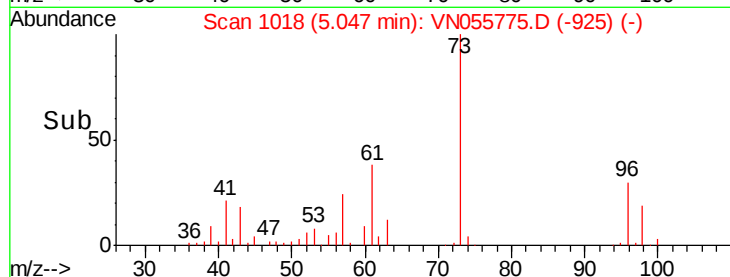
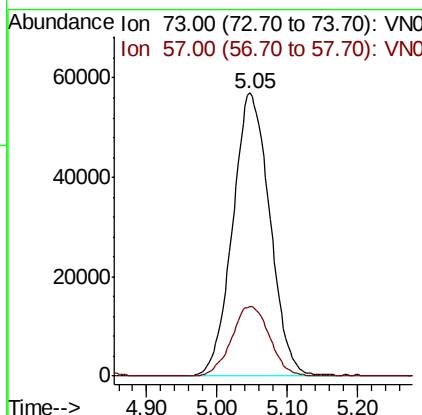
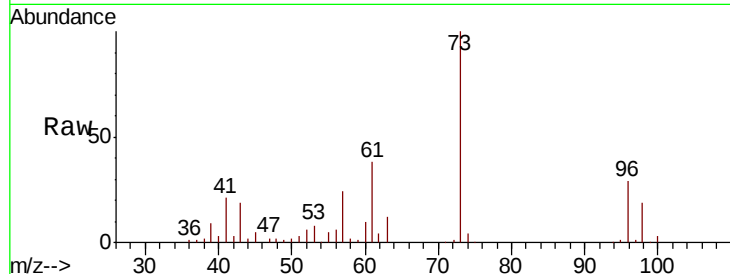




#19
Methvl tert-butvl Ether
Concen: 19.332 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

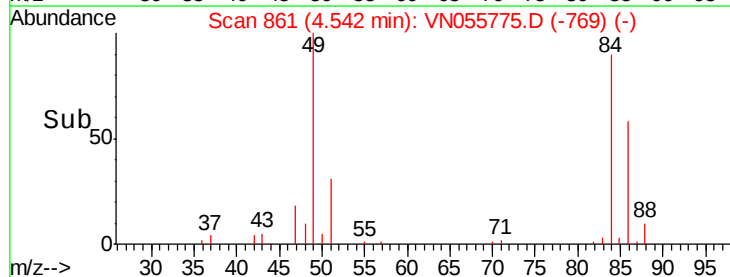
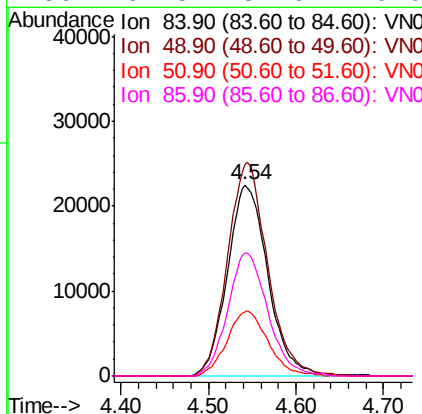
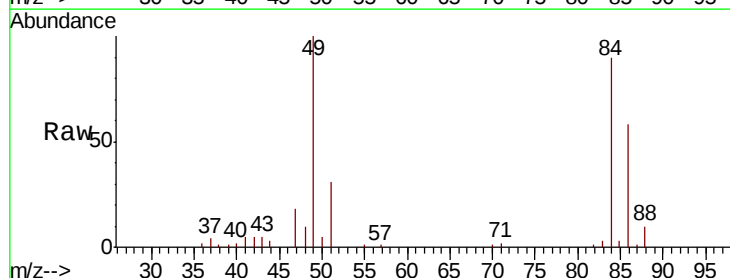
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

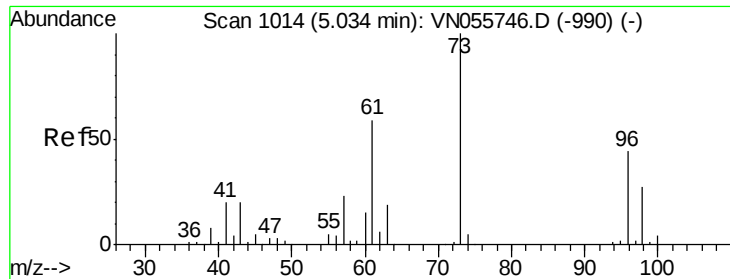
Tot Ion: 73 Resp: 209609
Ion Ratio Lower Upper
73 100
57 24.4 17.8 26.8



#20
Methylene Chloride
Concen: 19.189 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 84 Resp: 72117
Ion Ratio Lower Upper
84 100
49 110.7 93.5 140.3
51 33.8 28.6 43.0
86 64.5 52.6 79.0

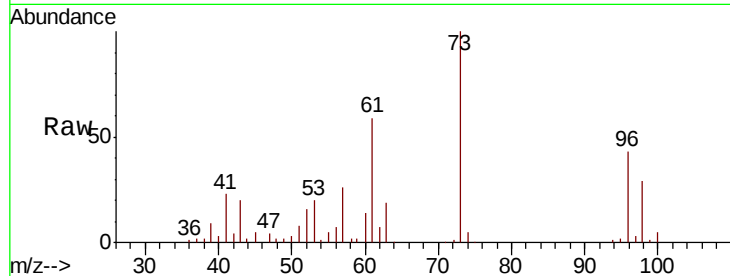




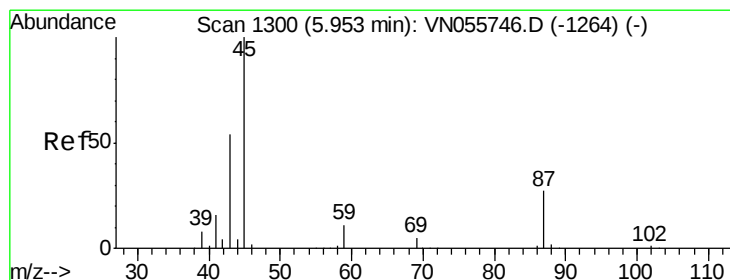
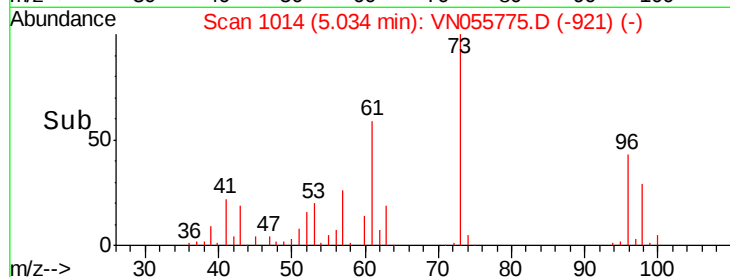
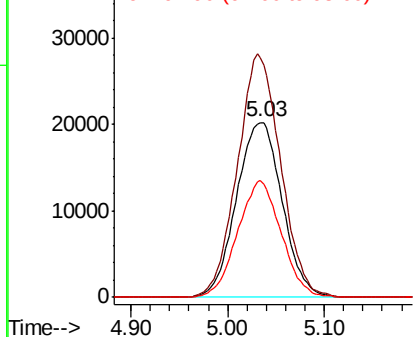
#21
trans-1,2-Dichloroethene
Concen: 19.001 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Instrument :
MSVOA_N
ClientSampled :
VN0523MBSD01

Tot Ion: 96 Resp: 66364
Ion Ratio Lower Upper
96 100
61 137.2 107.8 161.8
98 66.8 49.8 74.8

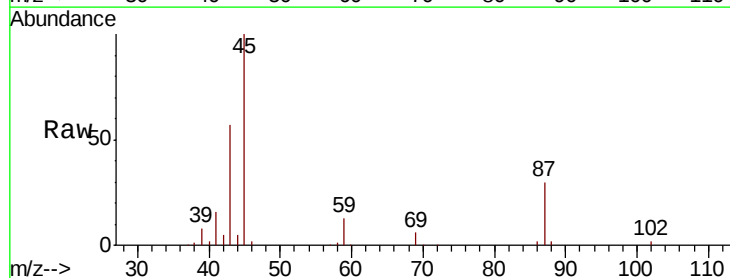


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

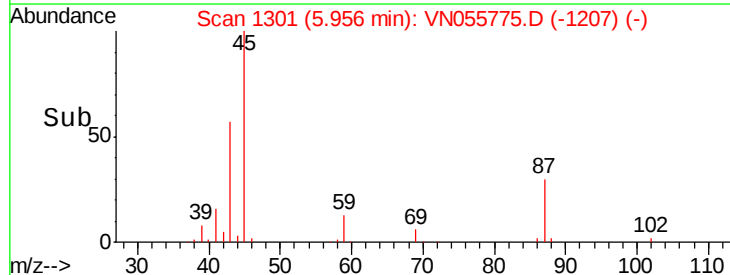
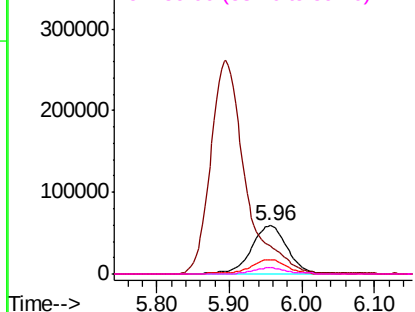


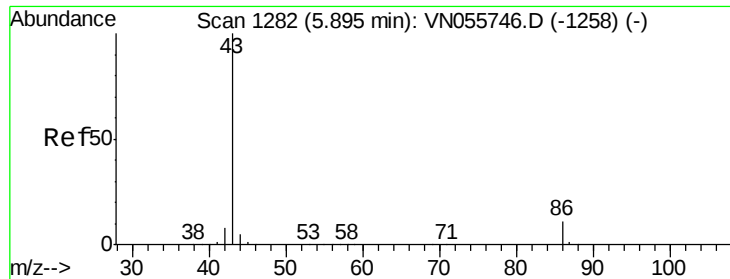
#22
Diisopropyl ether
Concen: 18.953 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 45 Resp: 205445
Ion Ratio Lower Upper
45 100
43 54.7 45.0 67.6
87 29.8 22.2 33.4
59 12.6 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 93.467 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

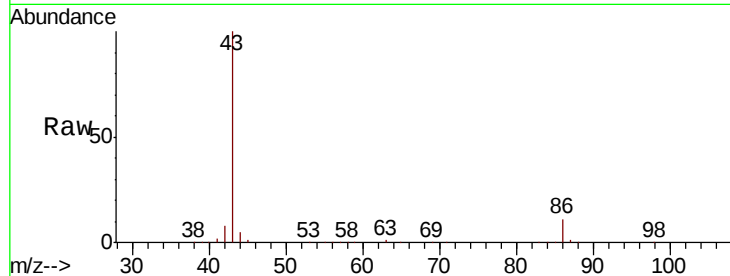
VN0523MBSD01

Tot Ion: 43 Resp: 868679

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055746.D (-1258) (-)

5.90

300000

250000

200000

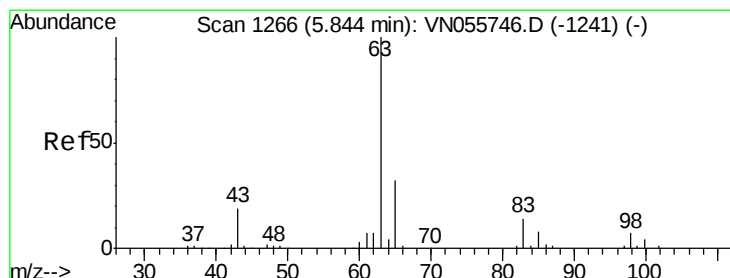
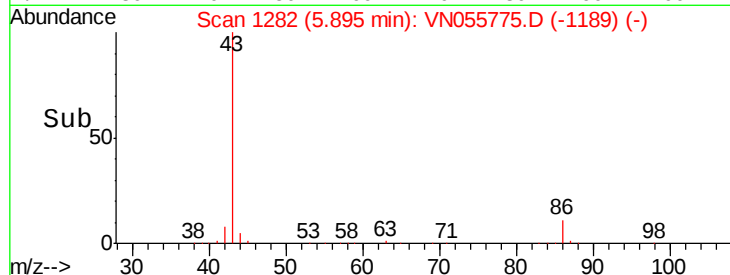
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.881 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

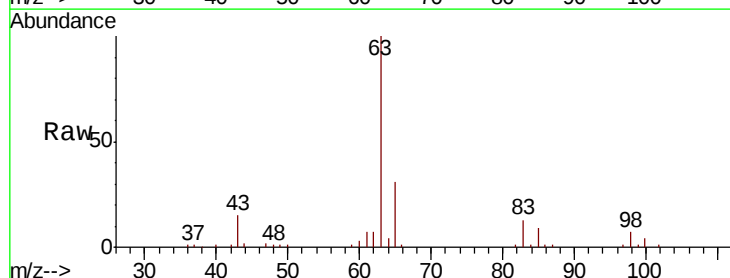
Tgt Ion: 63 Resp: 119166

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055746.D (-1241) (-)

5.84

50000

40000

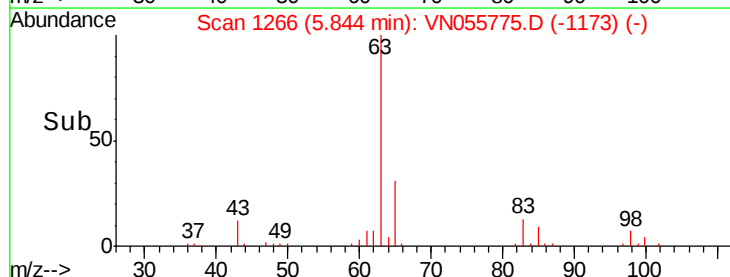
30000

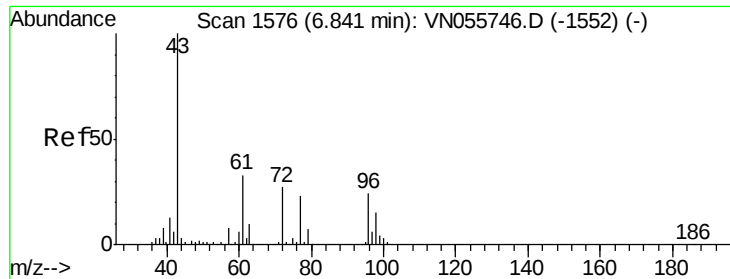
20000

10000

0

Time-->

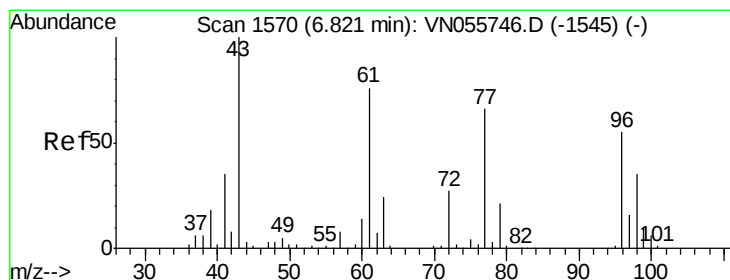
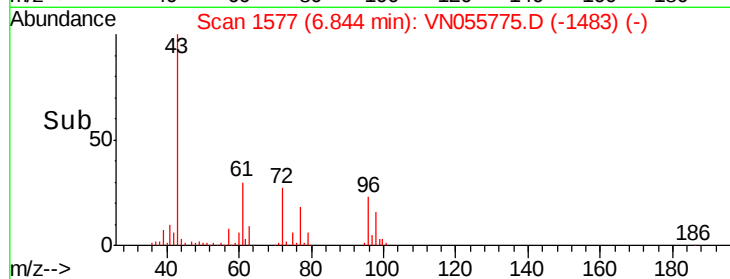
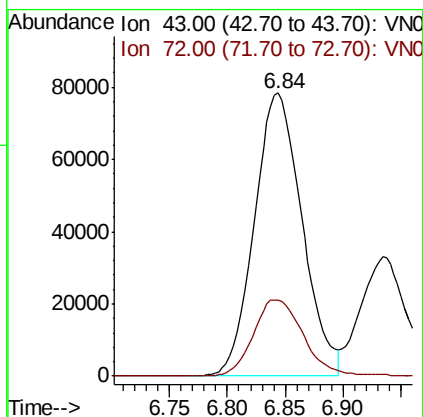
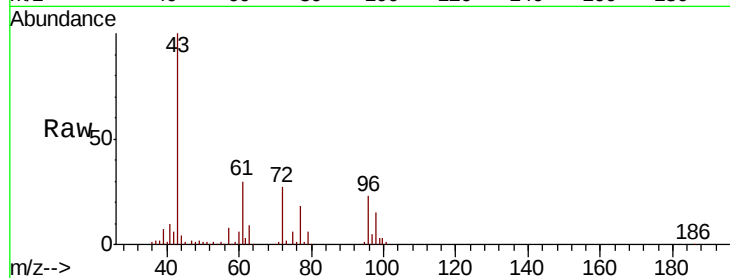




#25
2-Butanone
Concen: 92.085 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

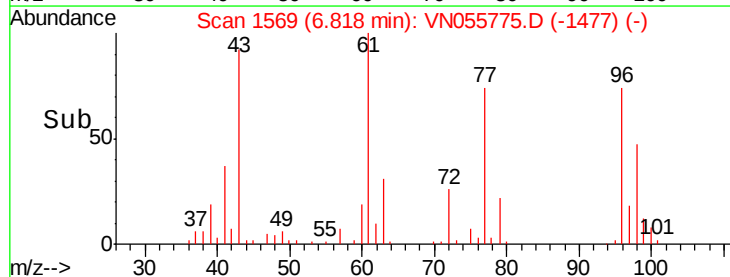
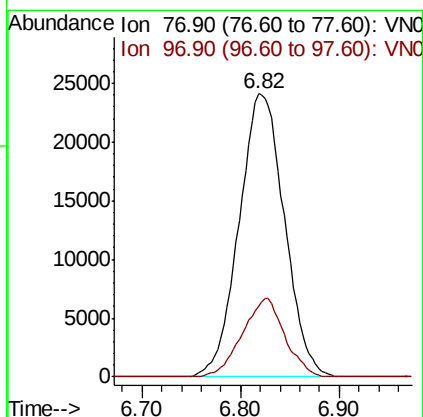
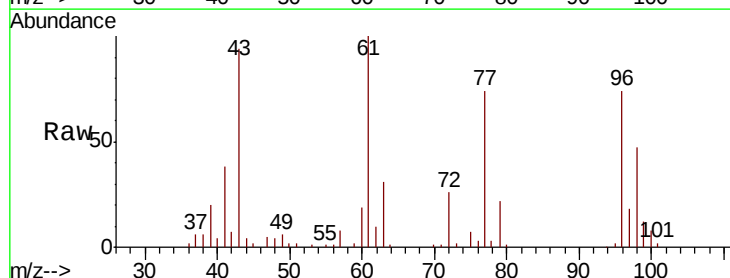
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

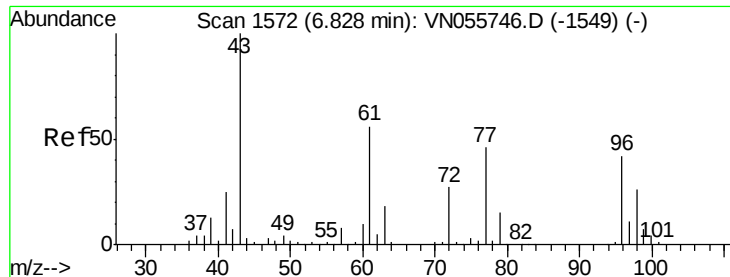
Tot Ion: 43 Resp: 223173
Ion Ratio Lower Upper
43 100
72 26.9 21.9 32.9



#26
2,2-Dichloropropane
Concen: 14.054 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 77 Resp: 76767
Ion Ratio Lower Upper
77 100
97 25.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.153 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

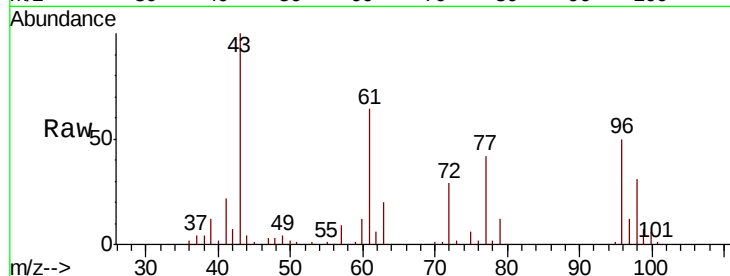
Tot Ion: 96 Resp: 78047

Ion Ratio Lower Upper

96 100

61 132.7 0.0 275.8

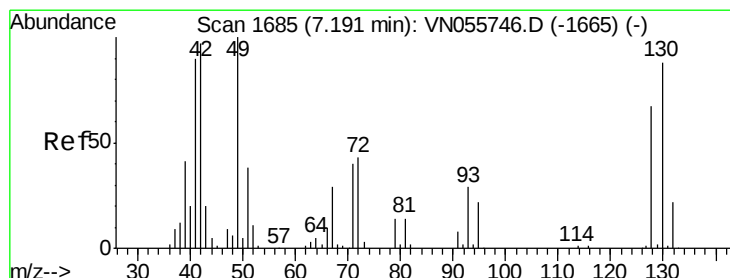
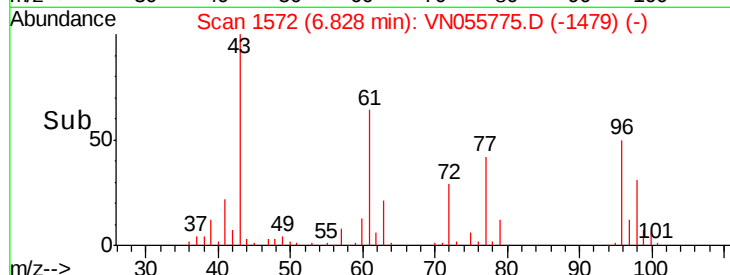
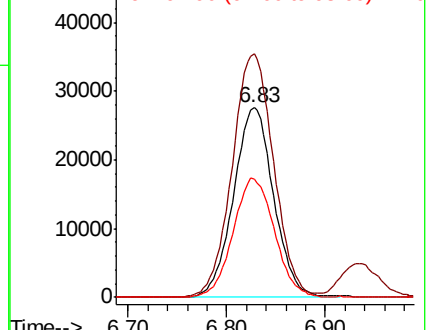
98 64.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.405 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

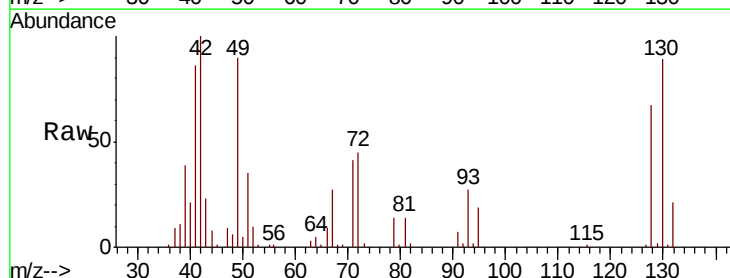
Tgt Ion: 49 Resp: 58310

Ion Ratio Lower Upper

49 100

129 0.7 0.0 4.4

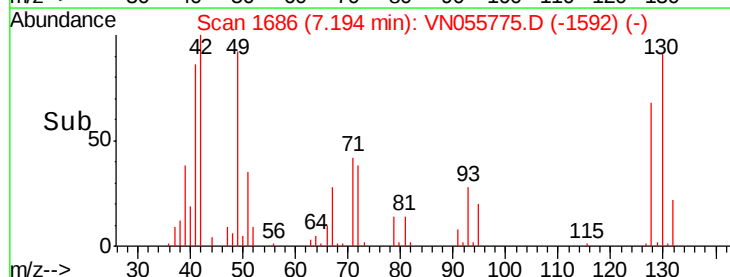
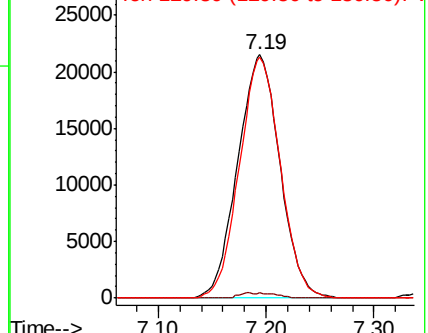
130 95.8 71.2 106.8

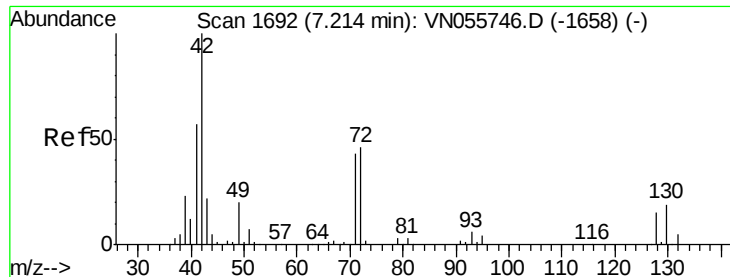


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

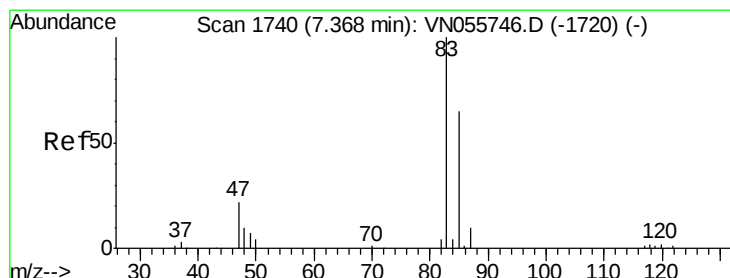
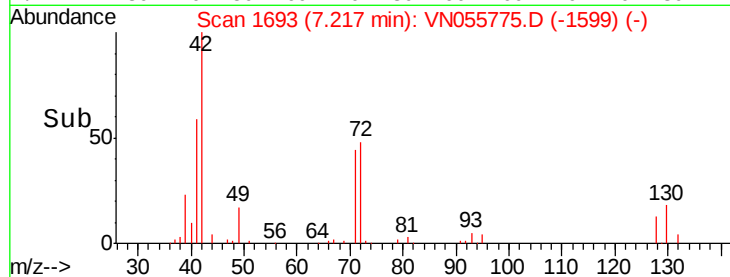
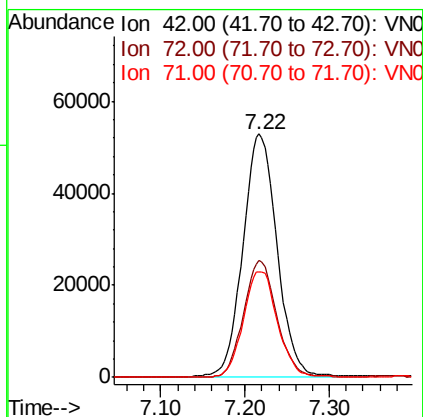
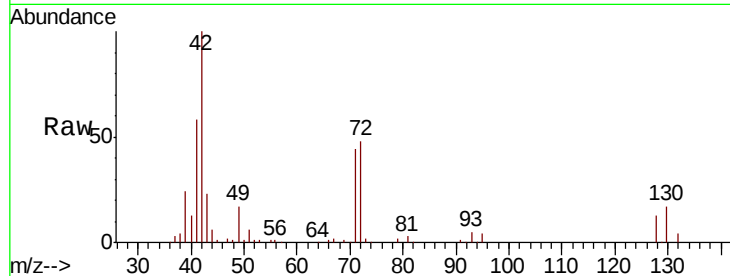




#29
Tetrahydrofuran
Concen: 97.498 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

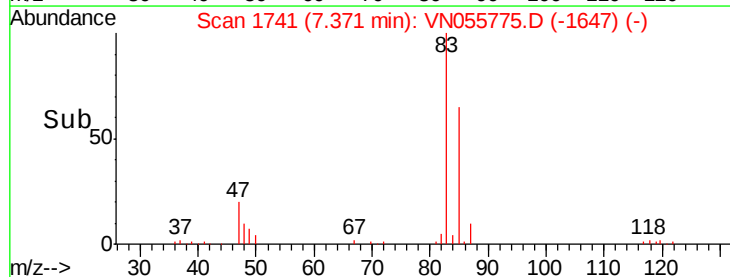
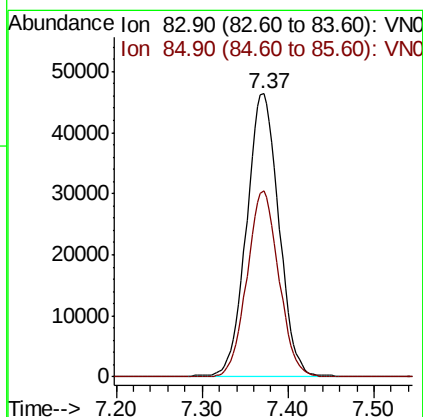
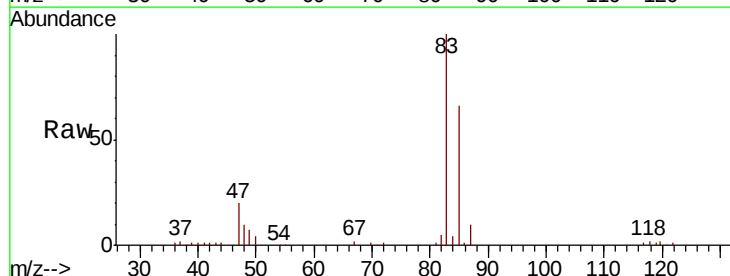
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

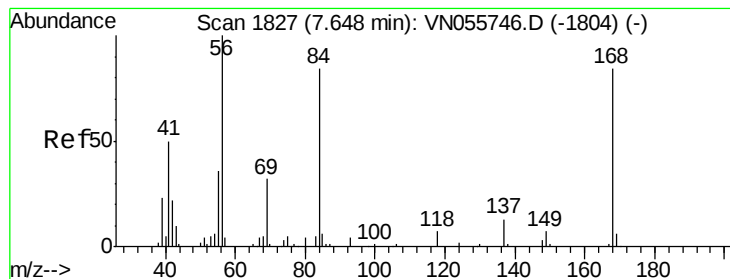
Tot Ion: 42 Resp: 149636
Ion Ratio Lower Upper
42 100
72 46.6 35.9 53.9
71 43.3 34.0 51.0



#30
Chloroform
Concen: 19.347 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 83 Resp: 121773
Ion Ratio Lower Upper
83 100
85 65.8 51.8 77.8





#31

Cyclohexane

Concen: 19.722 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

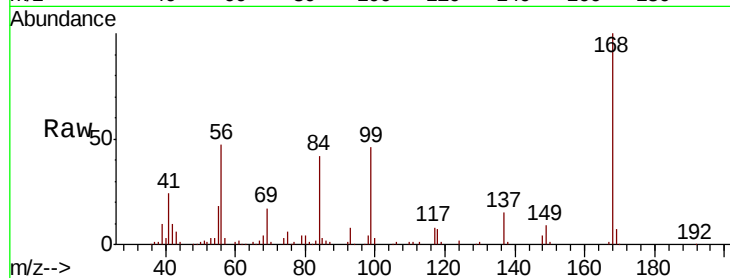
Tot Ion: 56 Resp: 116859

Ion Ratio Lower Upper

56 100

69 36.4 25.6 38.4

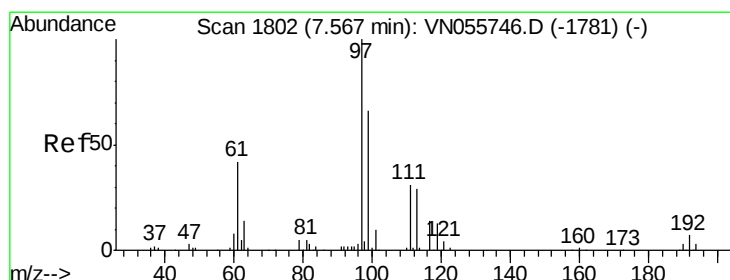
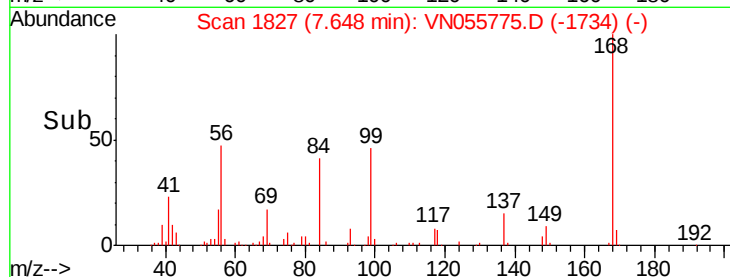
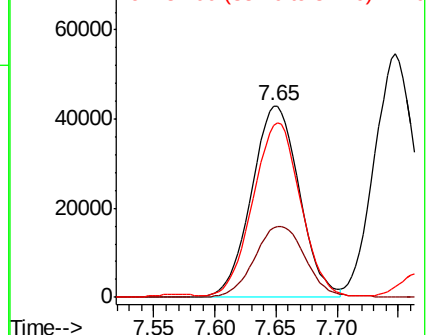
84 88.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN055775.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN055775.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN055775.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 19.013 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

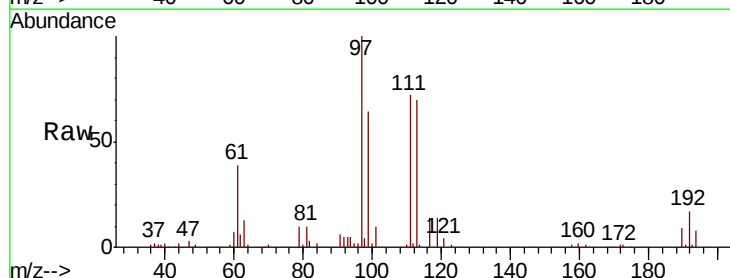
Tgt Ion: 97 Resp: 106789

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

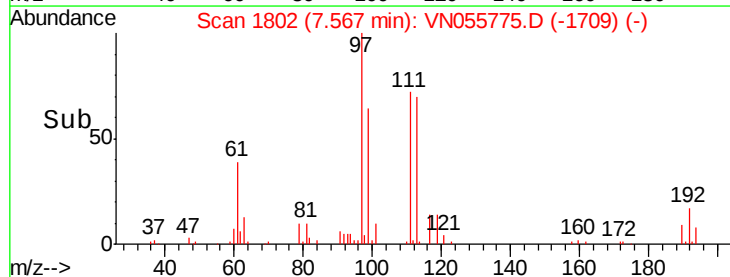
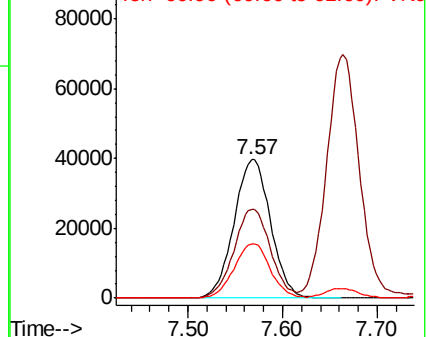
61 38.8 32.9 49.3

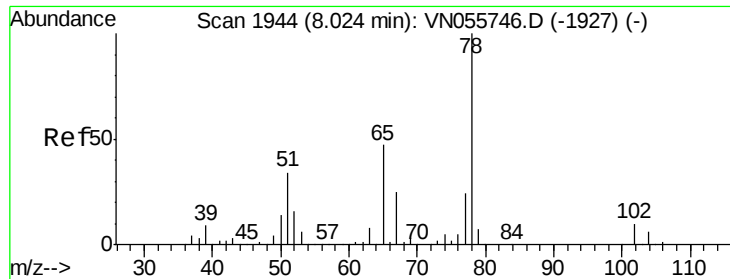


Abundance Ion 96.90 (96.60 to 97.60): VN055775.D (-1709) (-)

Ion 98.90 (98.60 to 99.60): VN055775.D (-1709) (-)

Ion 60.90 (60.60 to 61.60): VN055775.D (-1709) (-)

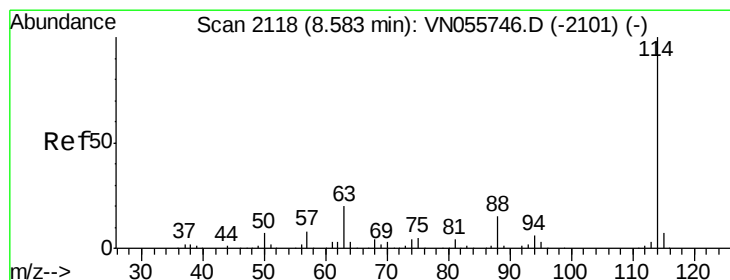
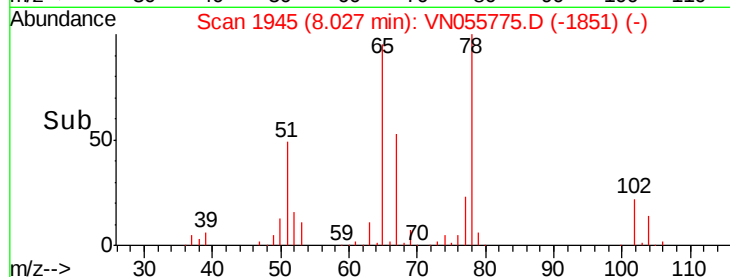
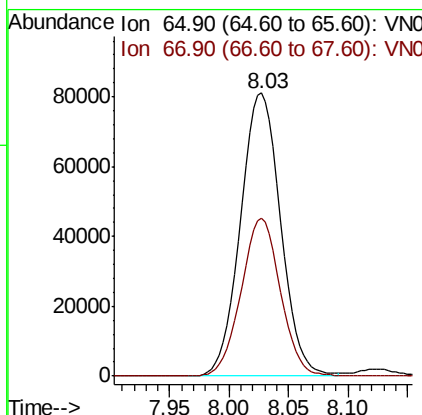
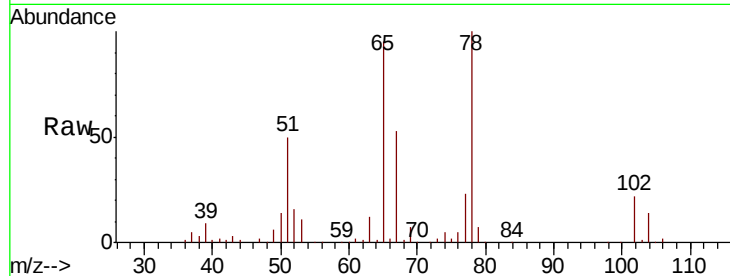




#33
 1,2-Dichloroethane-d4
 Concen: 48.014 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

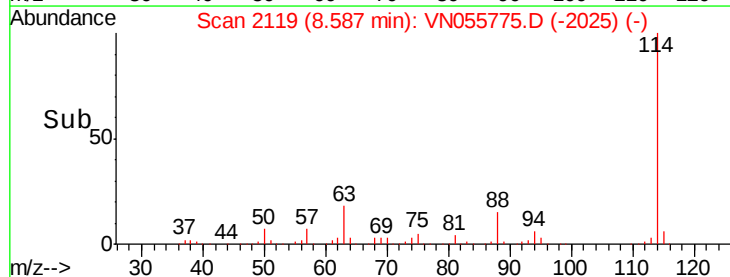
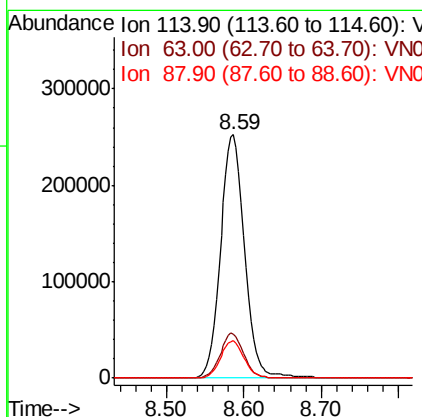
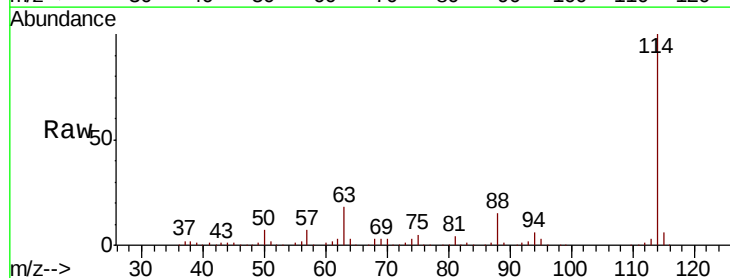
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

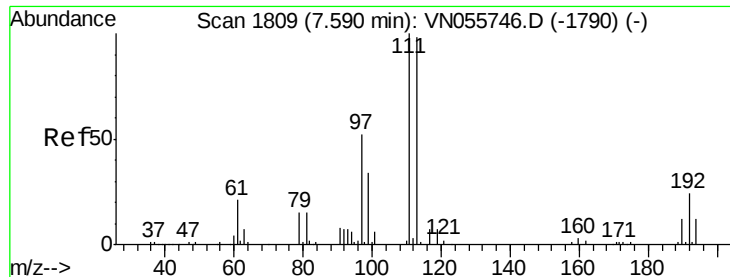
Tot Ion: 65 Resp: 189549
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion: 114 Resp: 546060
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.2
 88 15.2 0.0 31.0

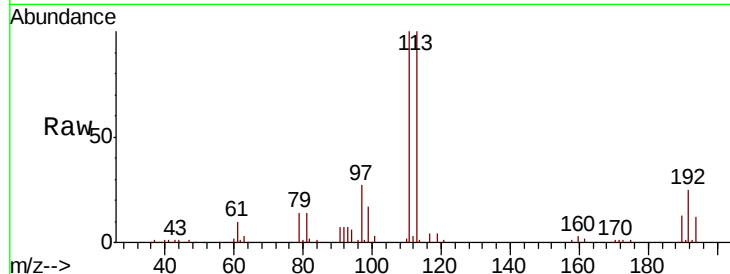




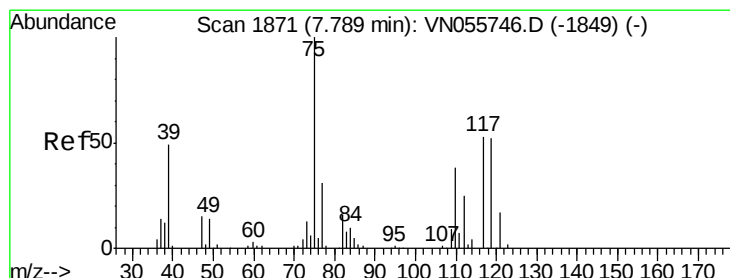
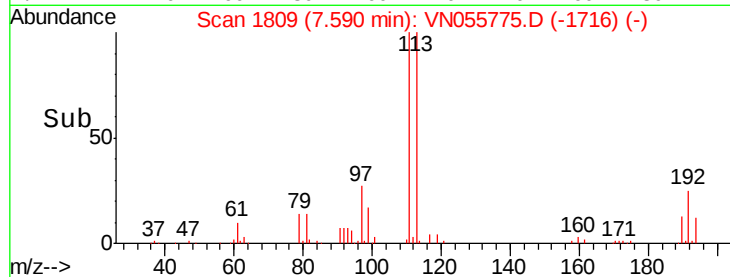
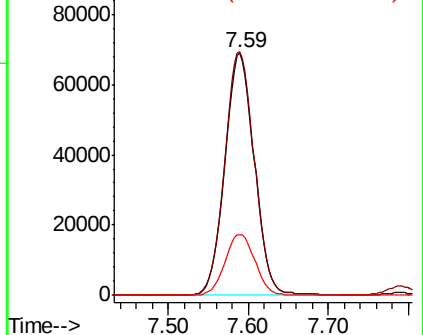
#35
 Dibromofluoromethane
 Concen: 50.301 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.9	122.9
192	25.4	19.5	29.3

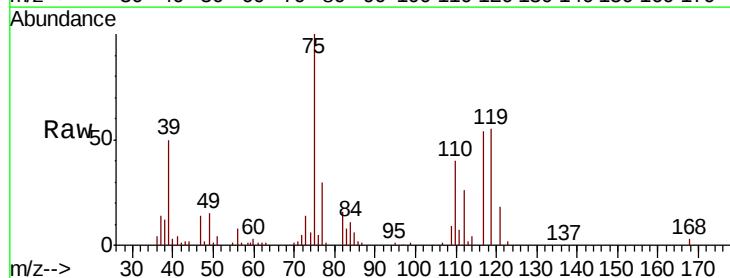


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

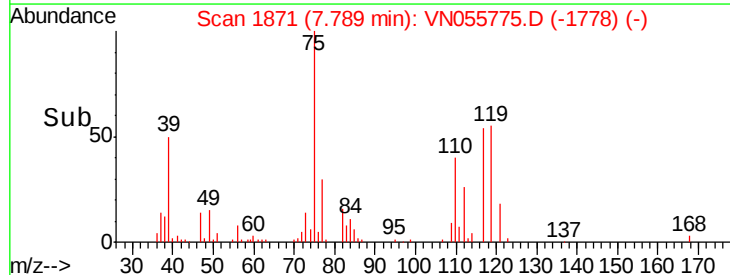
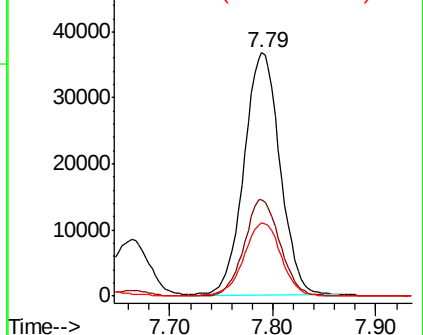


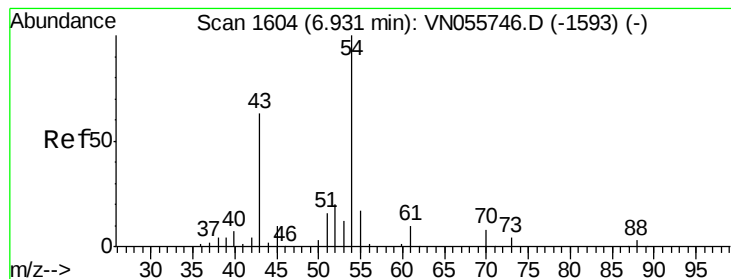
#36
 1,1-Dichloropropene
 Concen: 18.704 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.0	57.0
77	31.1	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 19.700 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampled :

VN0523MBSD01

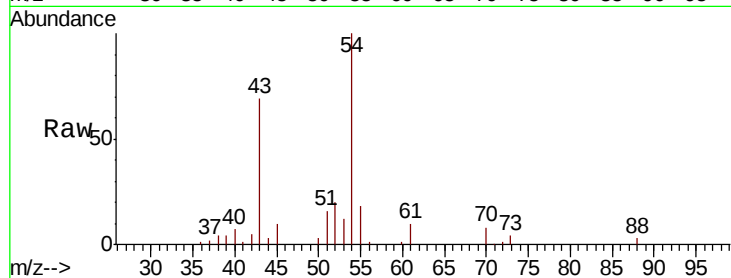
Tot Ion: 43 Resp: 90607

Ion Ratio Lower Upper

43 100

61 15.2 12.2 18.2

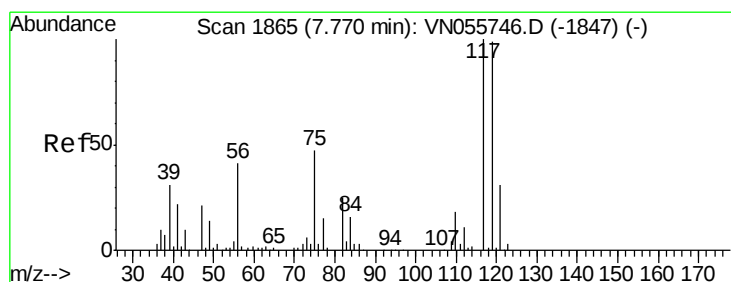
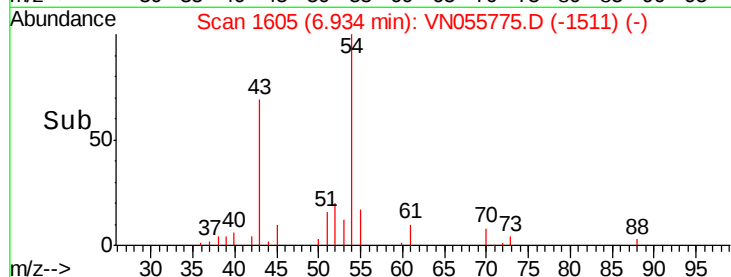
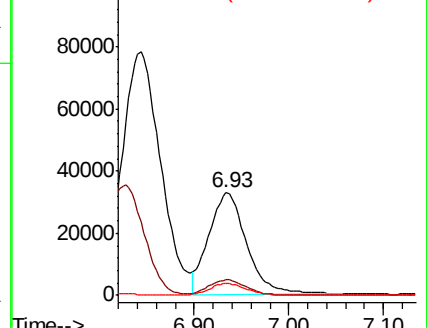
70 11.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN055775.D (-1511) (-)

Ion 60.90 (60.60 to 61.60): VN055775.D (-1511) (-)

Ion 70.00 (69.70 to 70.70): VN055775.D (-1511) (-)



#38

Carbon Tetrachloride

Concen: 19.435 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

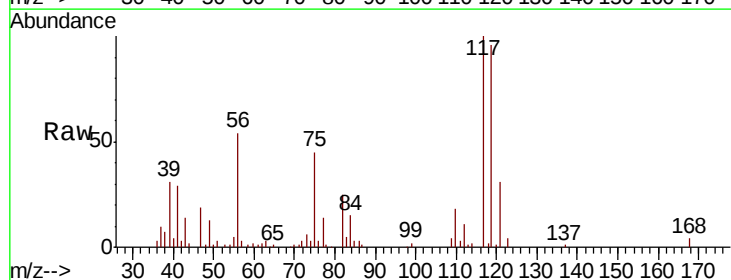
Tgt Ion: 117 Resp: 96338

Ion Ratio Lower Upper

117 100

119 96.0 79.0 118.6

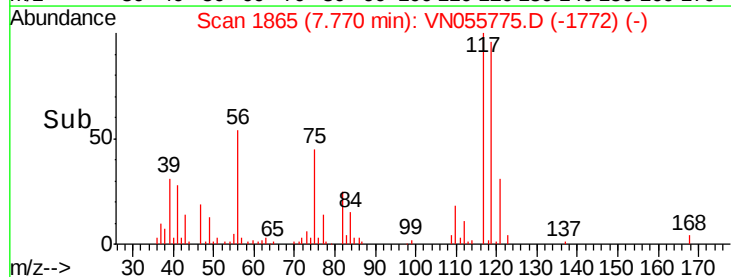
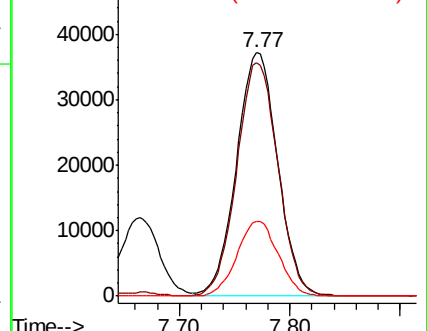
121 30.7 24.7 37.1

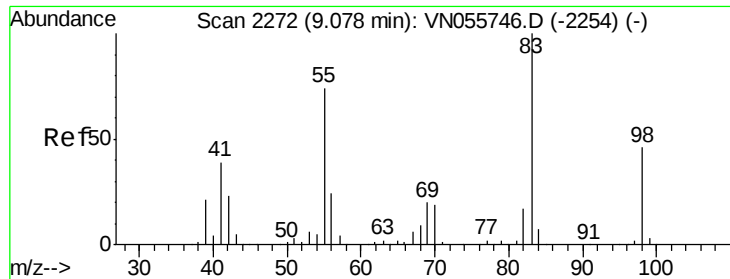


Abundance Ion 116.80 (116.50 to 117.50): VN055775.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055775.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN055775.D (-1772) (-)

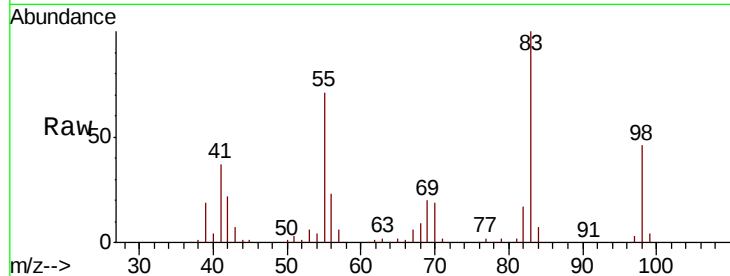




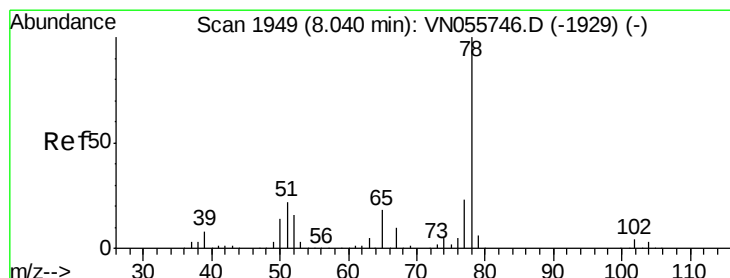
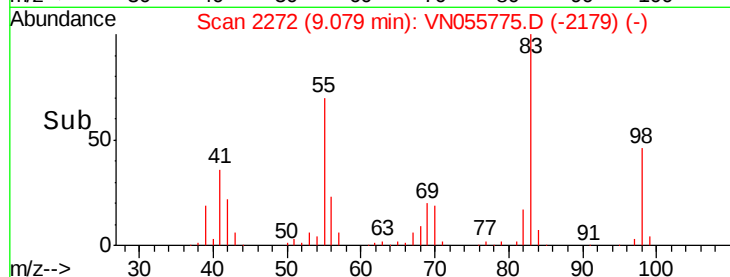
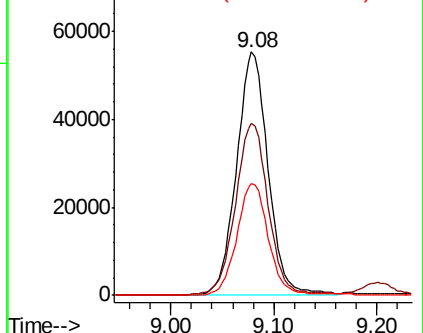
#39
Methvlcvclohexane
Concen: 20.023 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

Tot Ion: 83 Resp: 117993
Ion Ratio Lower Upper
83 100
55 70.1 59.3 88.9
98 45.8 36.6 54.8

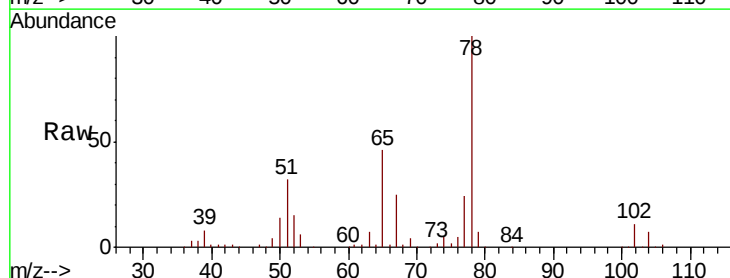


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

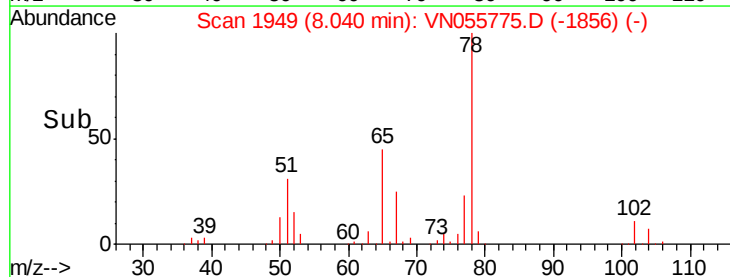
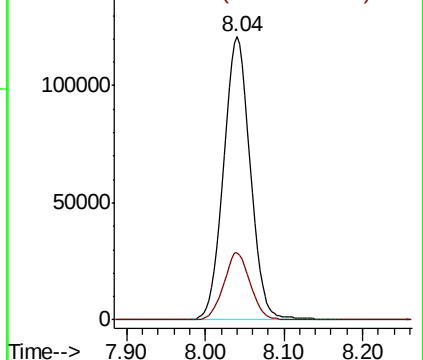


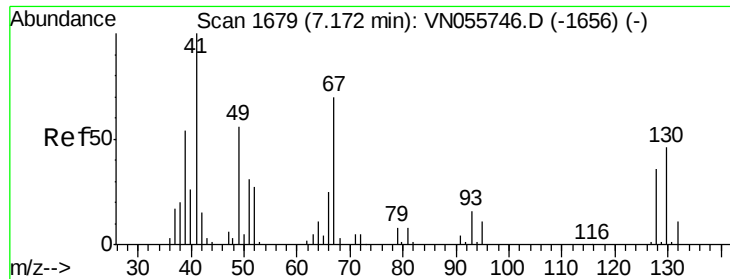
#40
Benzene
Concen: 19.752 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 78 Resp: 283277
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

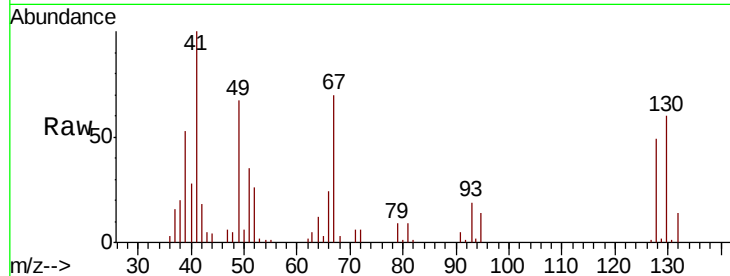




#41
Methacrylonitrile
Concen: 18.279 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

Tot Ion:	41	Resp:	42473
Ion	Ratio	Lower	Upper
41	100		
39	60.4	45.6	68.4
67	90.1	67.7	101.5
52	34.4	26.6	40.0



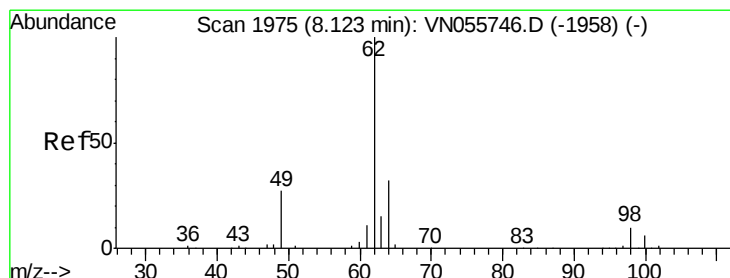
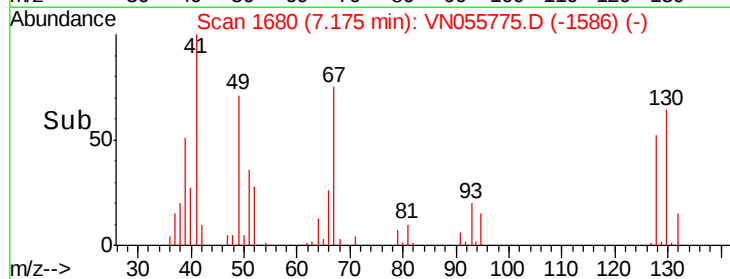
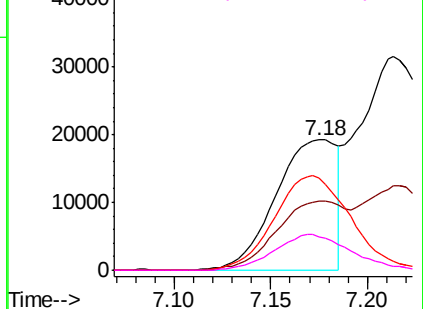
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

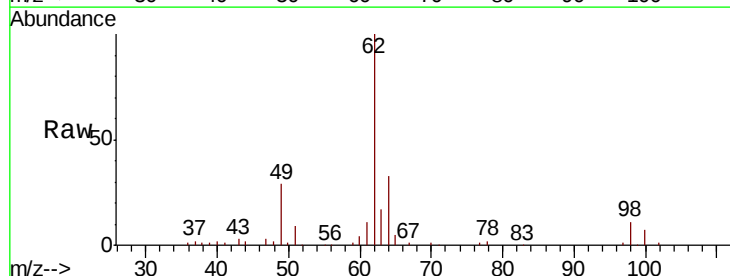
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 19.338 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

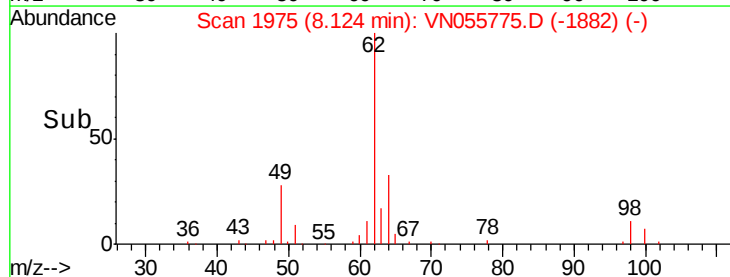
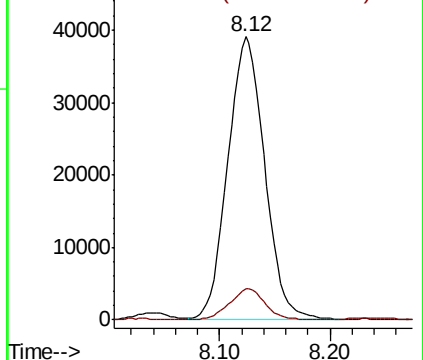
Tgt Ion:	62	Resp:	90627
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2

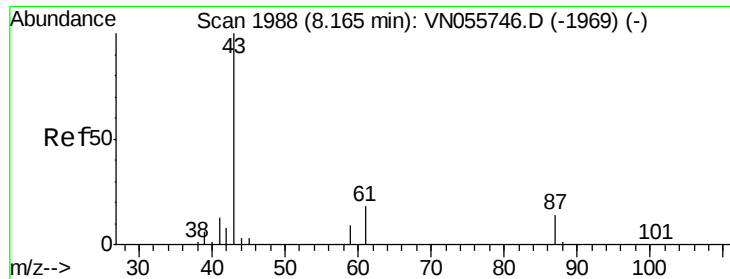


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 19.347 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

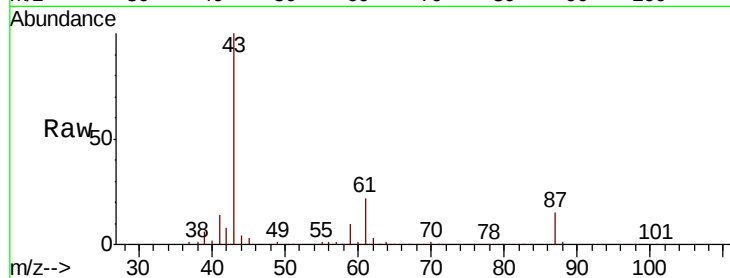
Tot Ion: 43 Resp: 149505

Ion Ratio Lower Upper

43 100

61 27.8 22.2 33.4

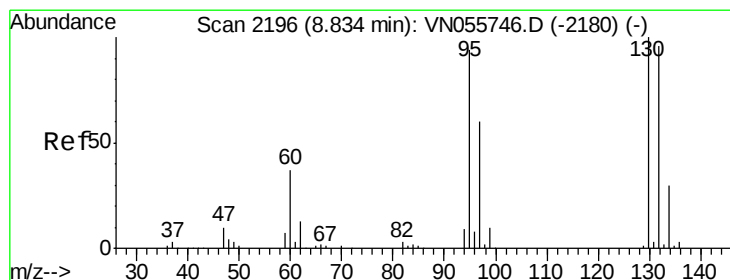
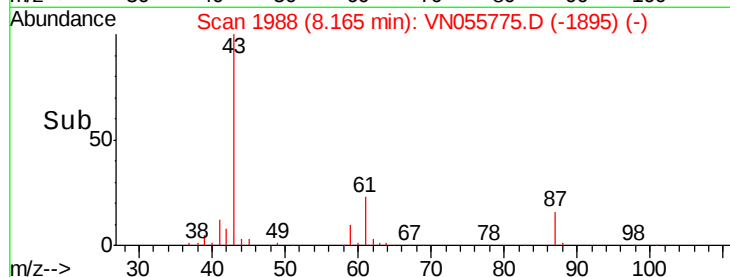
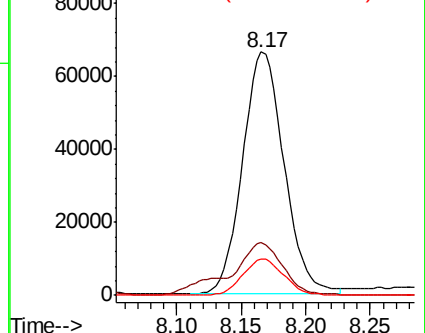
87 14.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 21.021 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055775.D

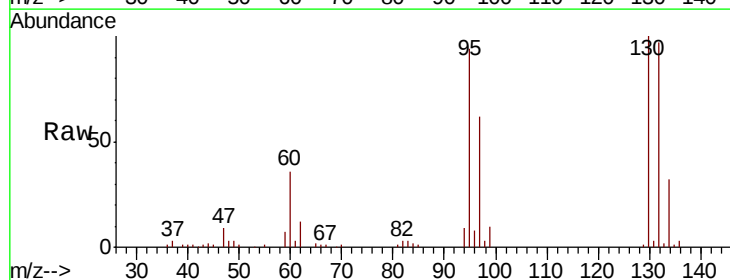
Acq: 24 May 2019 00:18

Tgt Ion:130 Resp: 84045

Ion Ratio Lower Upper

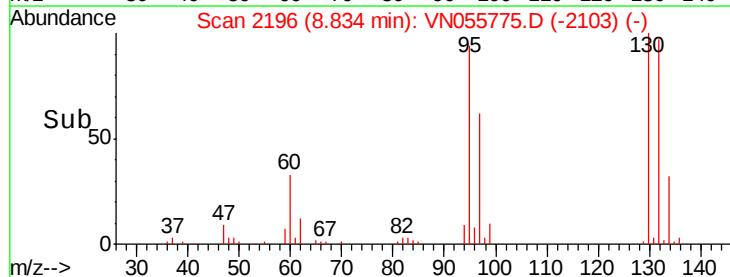
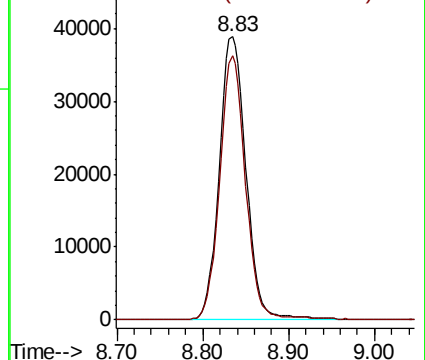
130 100

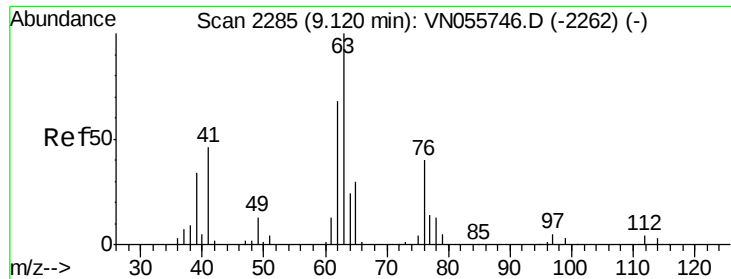
95 93.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

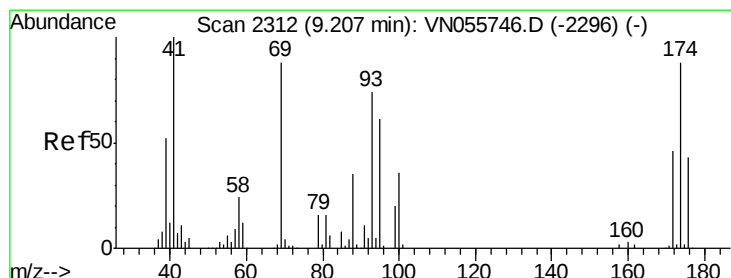
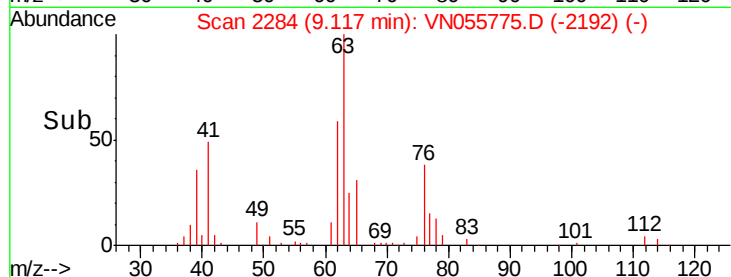
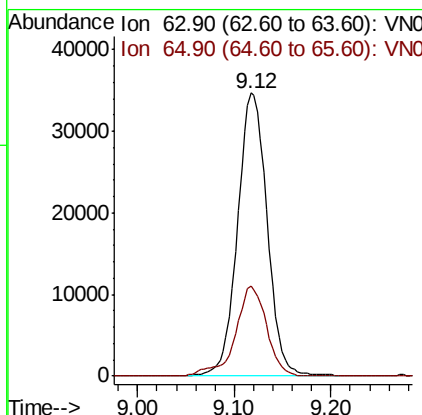
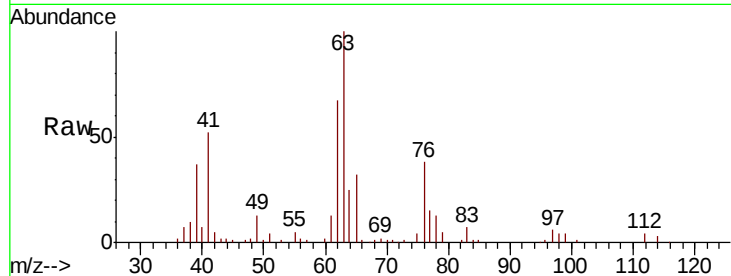




#45
 1,2-Dichloropropane
 Concen: 19.789 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

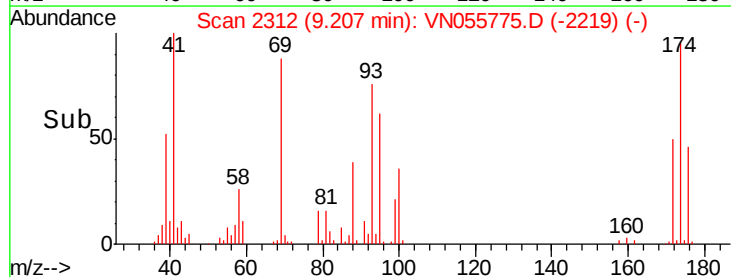
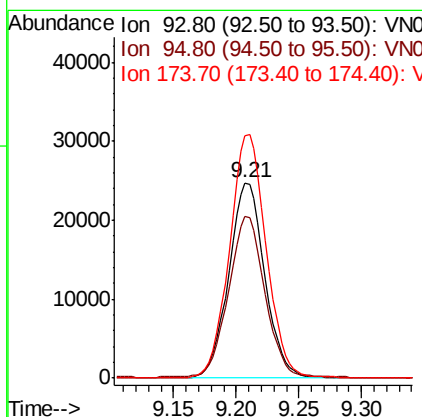
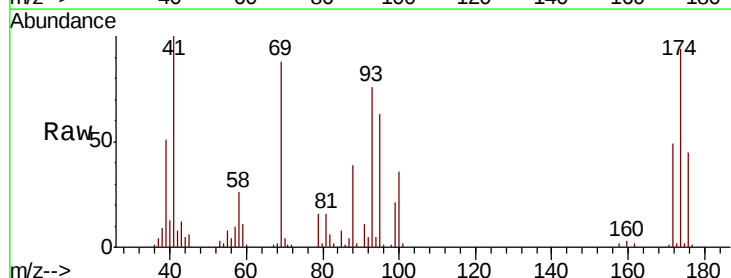
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

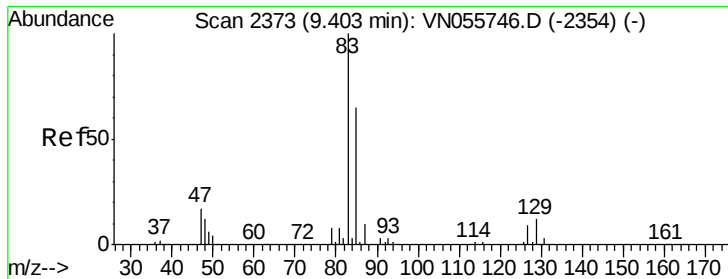
Tot Ion: 63 Resp: 73943
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.6 36.8



#46
 Dibromomethane
 Concen: 20.130 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion: 93 Resp: 49330
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 126.8 96.4 144.6





#47

Bromodichloromethane

Concen: 19.278 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

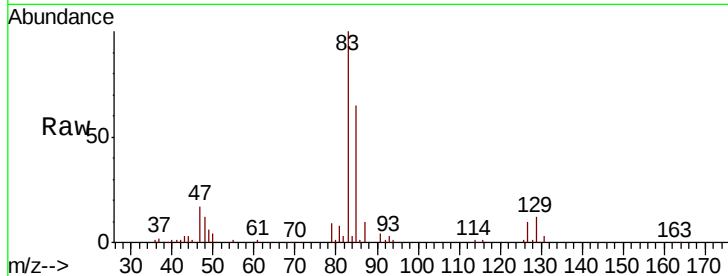
Tot Ion: 83 Resp: 96870

Ion Ratio Lower Upper

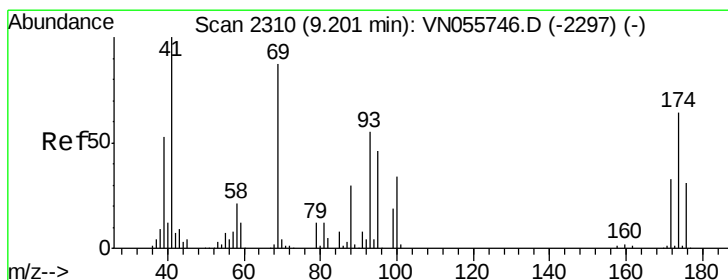
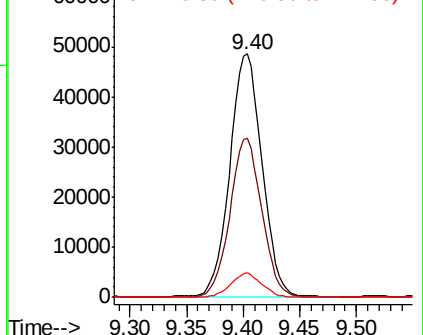
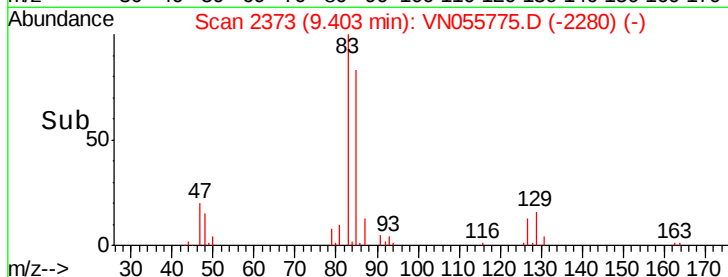
83 100

85 65.2 52.2 78.2

127 10.0 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055775.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.133 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

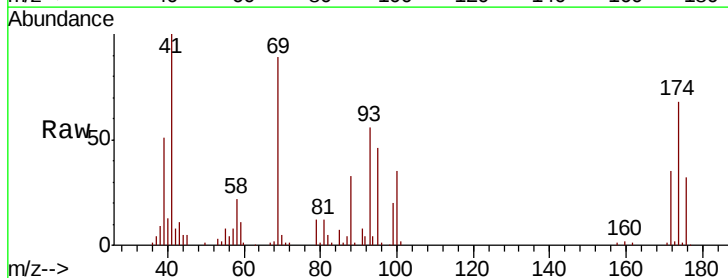
Tgt Ion: 41 Resp: 71703

Ion Ratio Lower Upper

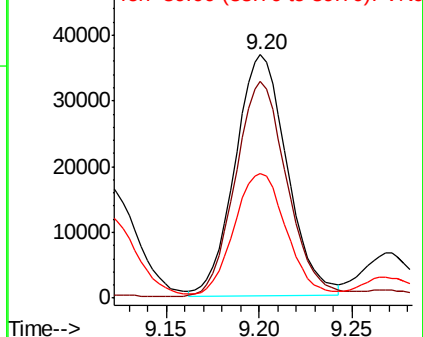
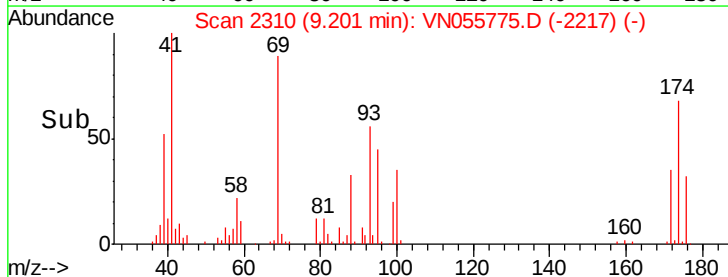
41 100

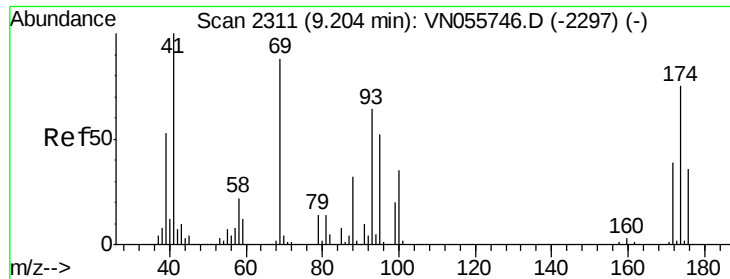
69 88.2 71.0 106.6

39 52.1 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN055775.D (-2217) (-)





#49

1,4-Dioxane

Concen: 410.310 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

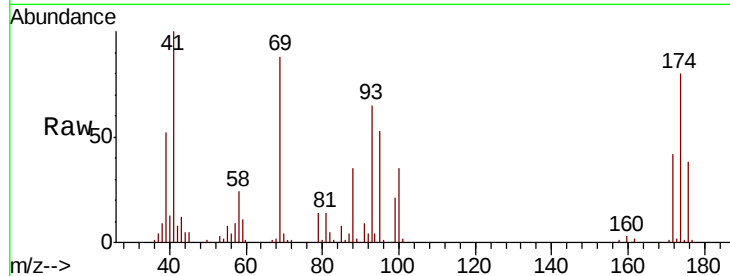
Tot Ion: 88 Resp: 30367

Ion Ratio Lower Upper

88 100

43 22.7 20.5 30.7

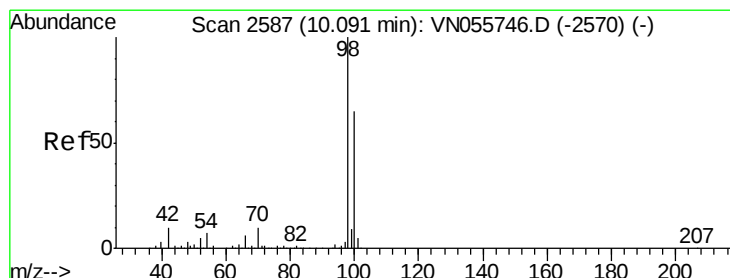
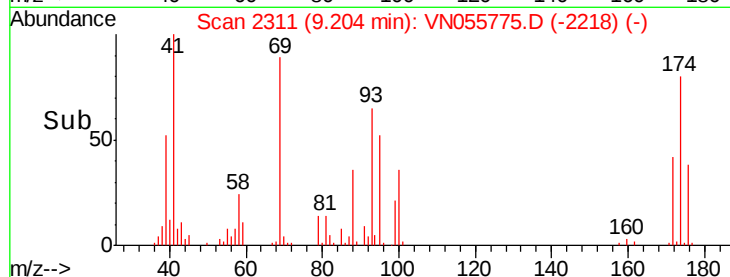
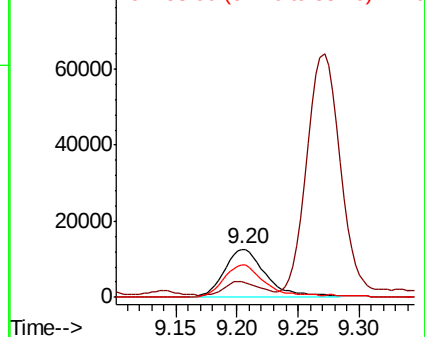
58 67.2 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055775.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055775.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055775.D (-2218) (-)



#50

Toluene-d8

Concen: 50.214 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055775.D

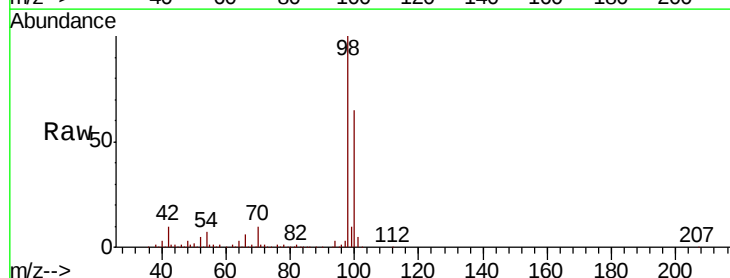
Acq: 24 May 2019 00:18

Tgt Ion: 98 Resp: 664979

Ion Ratio Lower Upper

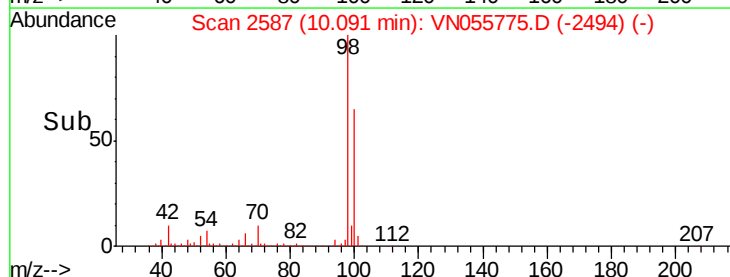
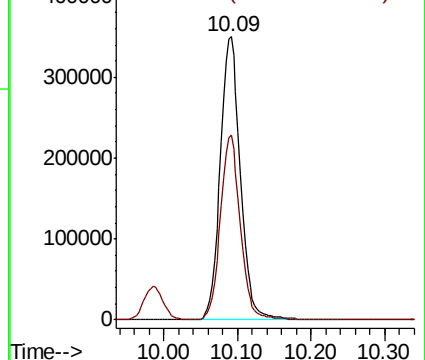
98 100

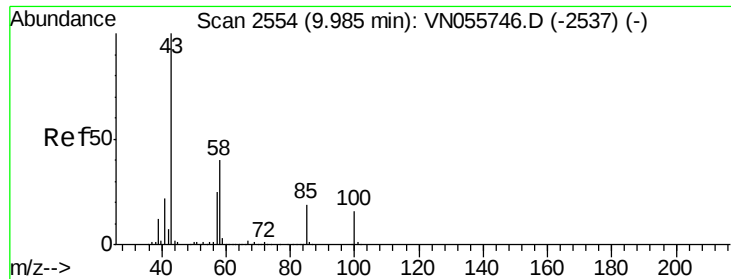
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055775.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055775.D (-2494) (-)

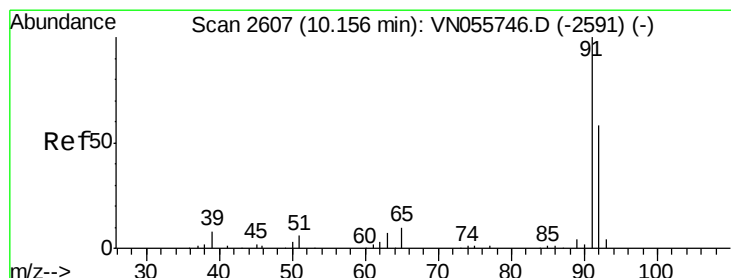
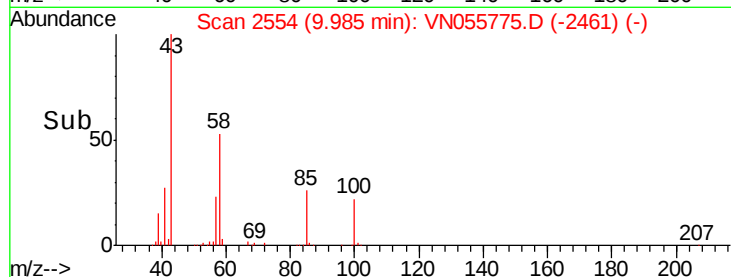
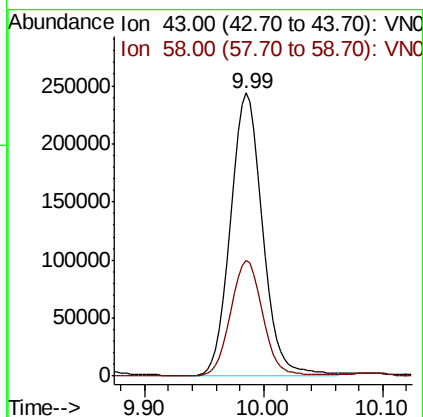
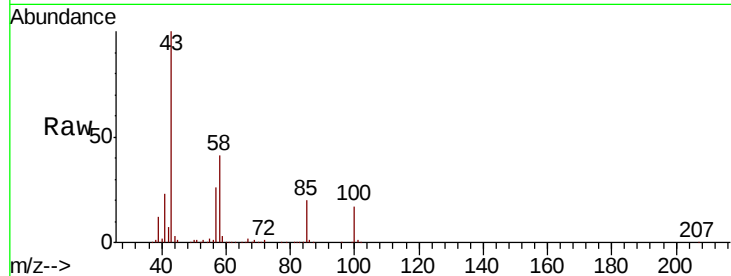




#51
 4-Methyl-2-Pentanone
 Concen: 99.681 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

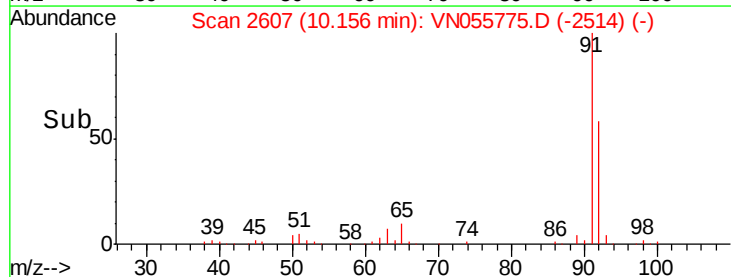
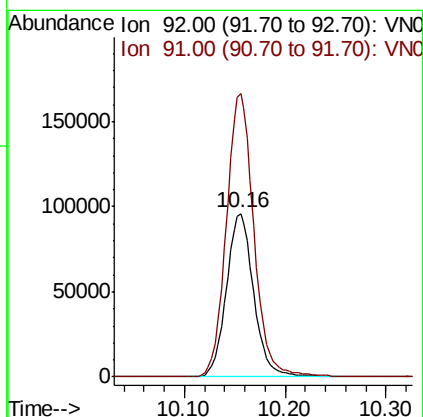
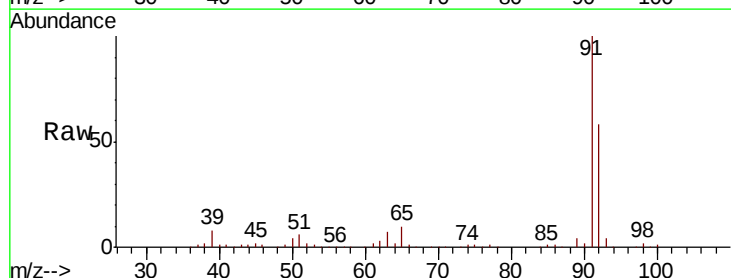
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0523MBSD01

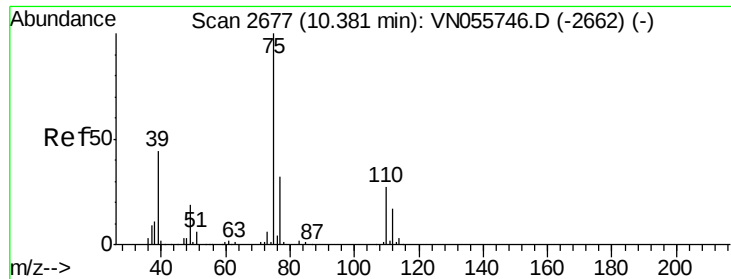
Tot Ion: 43 Resp: 454935
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.1 48.1



#52
 Toluene
 Concen: 20.117 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion: 92 Resp: 181457
 Ion Ratio Lower Upper
 92 100
 91 174.9 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 18.557 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

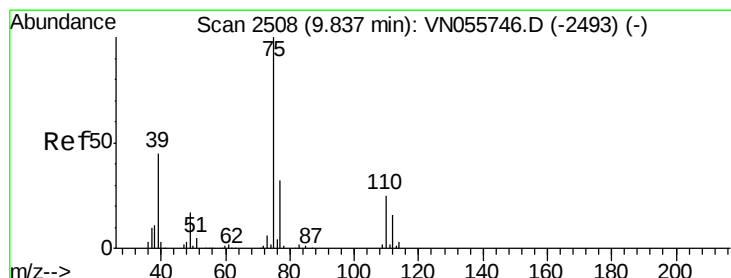
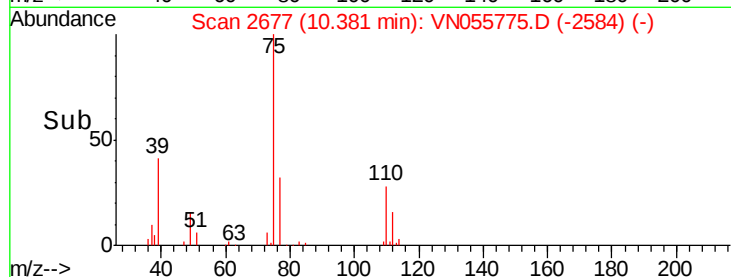
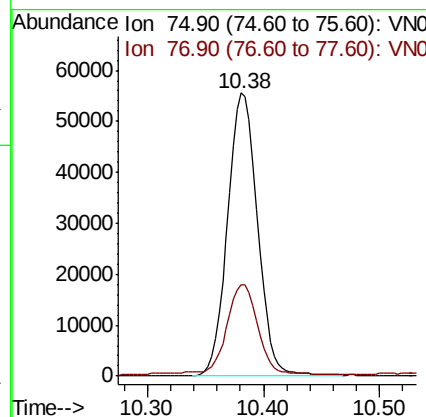
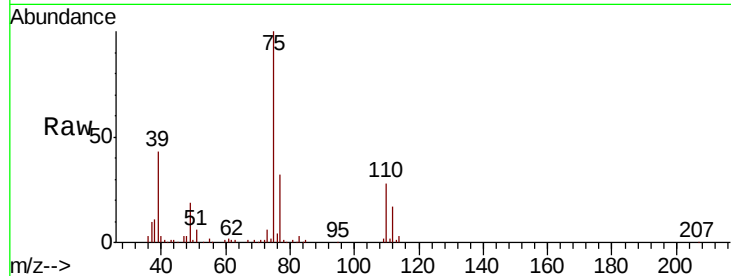
VN0523MBSD01

Tot Ion: 75 Resp: 99533

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 18.490 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

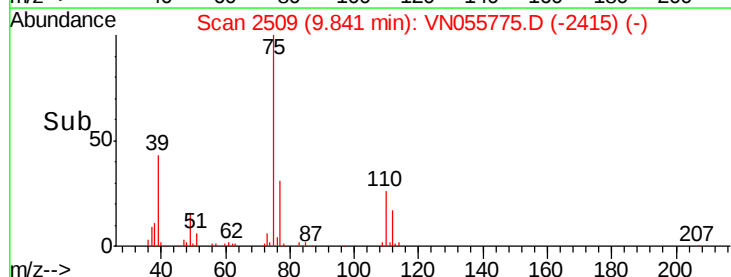
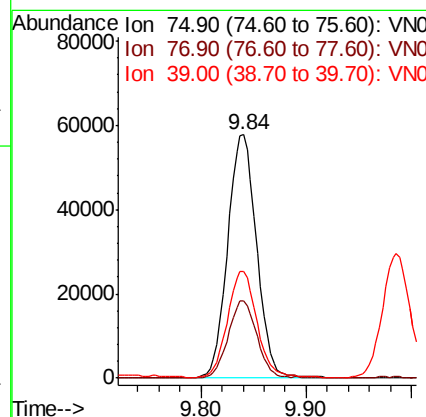
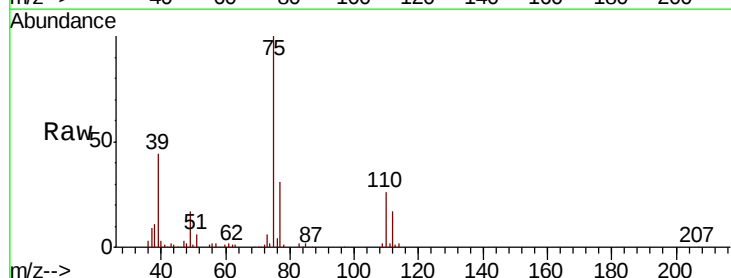
Tgt Ion: 75 Resp: 109868

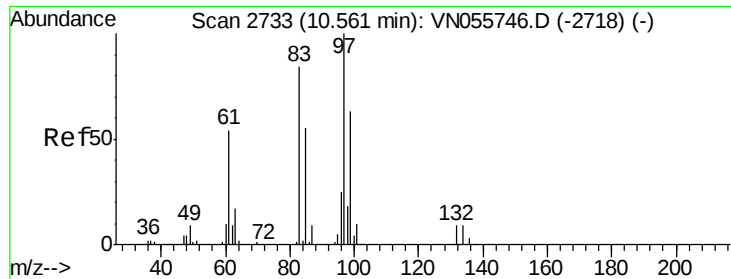
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 43.4 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.703 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

Tot Ion: 97 Resp: 74811

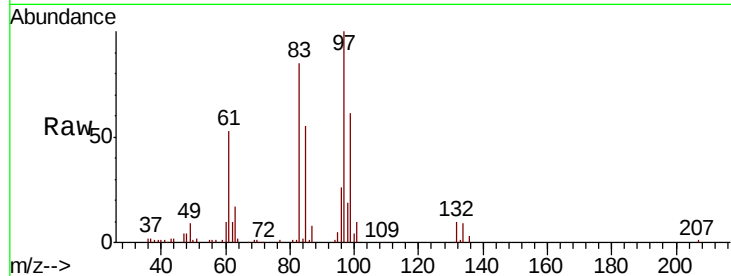
Ion Ratio Lower Upper

97 100

83 85.3 67.0 100.6

85 54.9 44.0 66.0

99 60.9 50.6 75.8

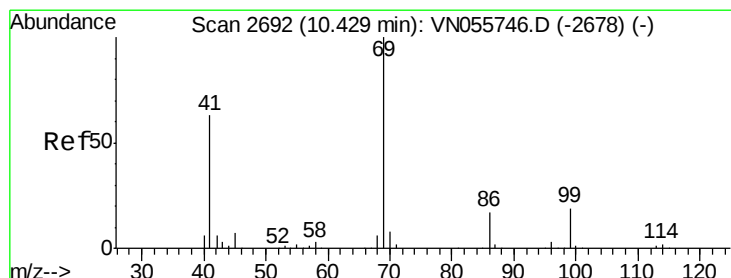
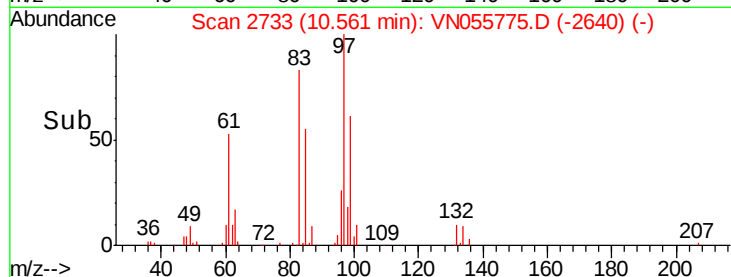
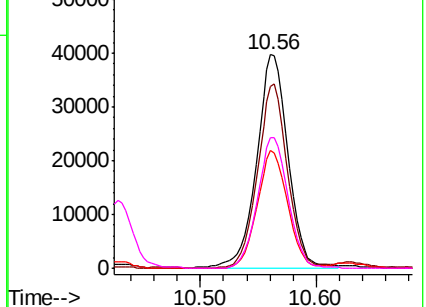


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.873 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

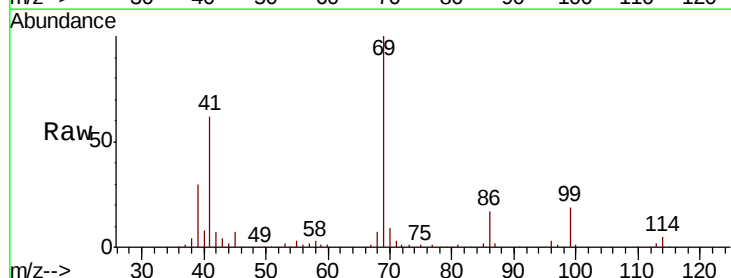
Tgt Ion: 69 Resp: 110983

Ion Ratio Lower Upper

69 100

41 60.7 49.7 74.5

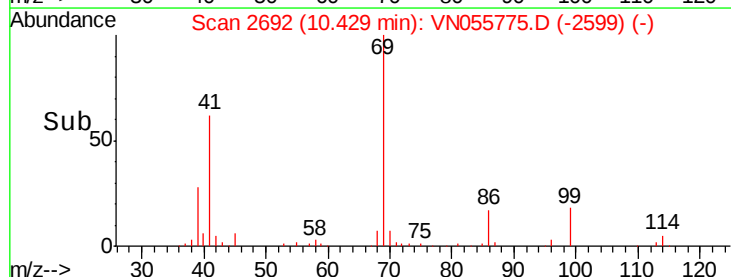
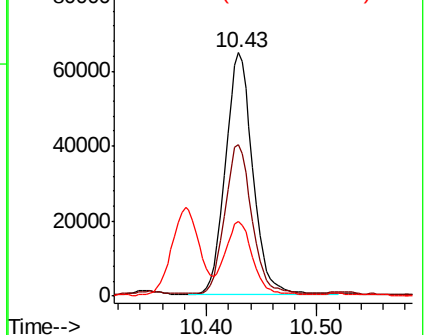
39 30.6 24.7 37.1

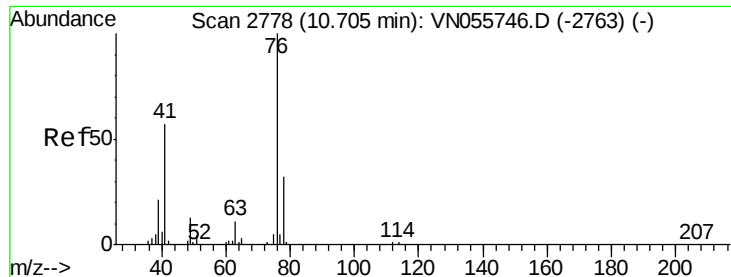


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

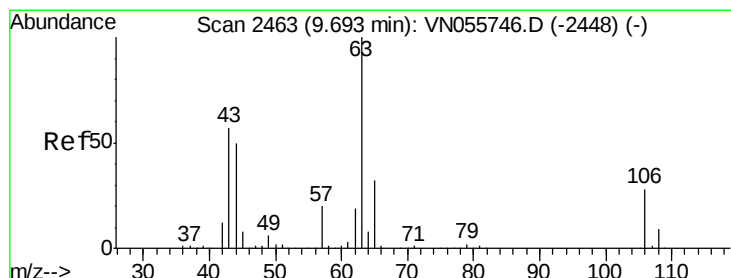
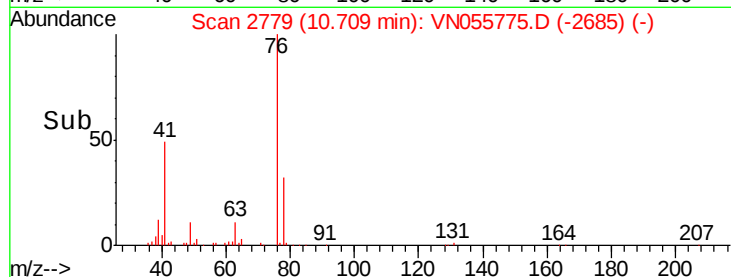
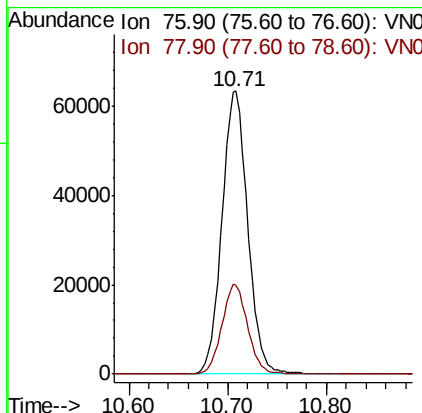
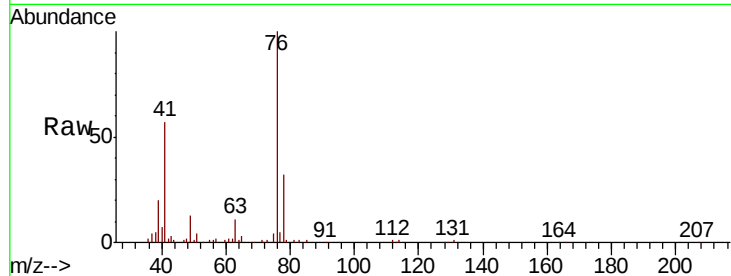




#57
 1,3-Dichloropropane
 Concen: 19.805 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

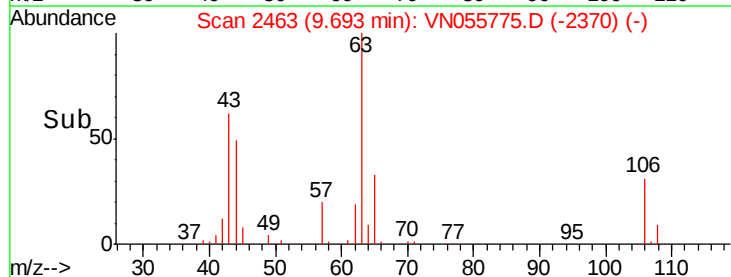
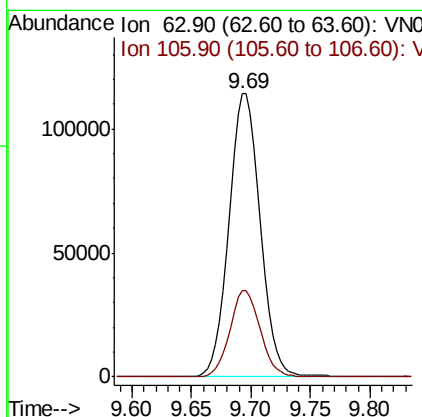
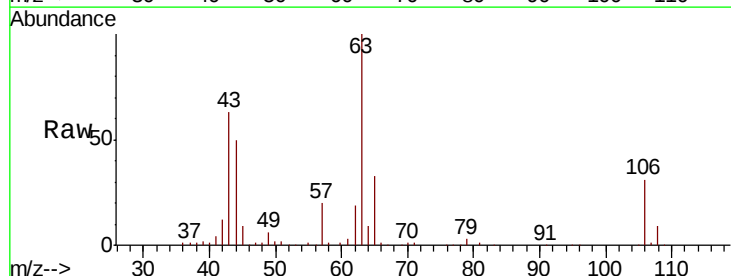
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

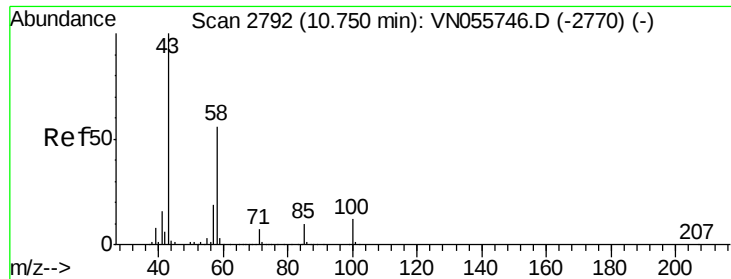
Tot Ion: 76 Resp: 116328
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.633 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion: 63 Resp: 208367
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.7 34.1

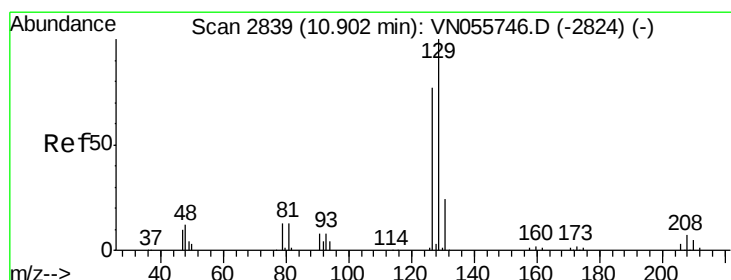
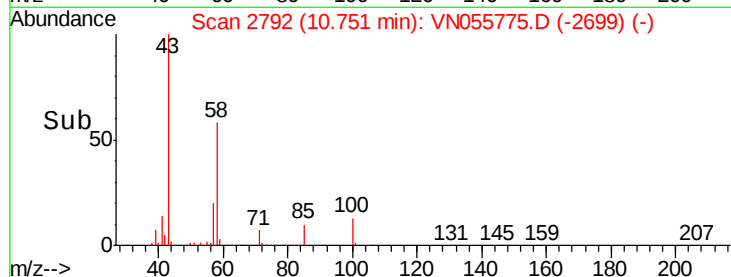
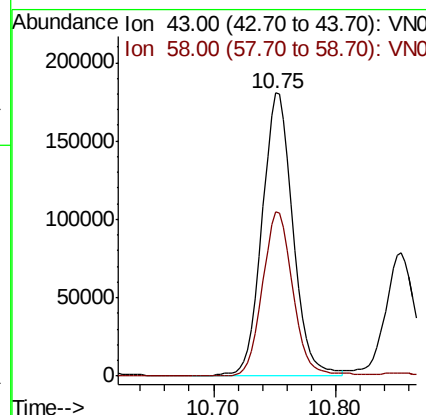
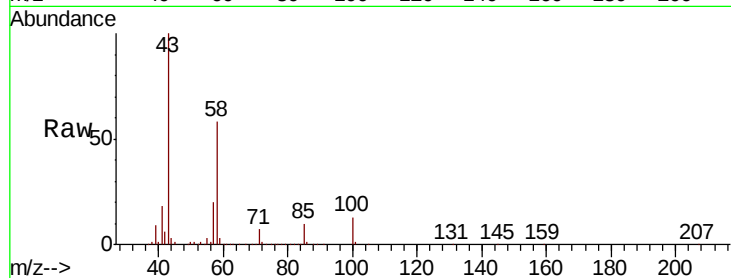




#59
2-Hexanone
Concen: 97.178 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

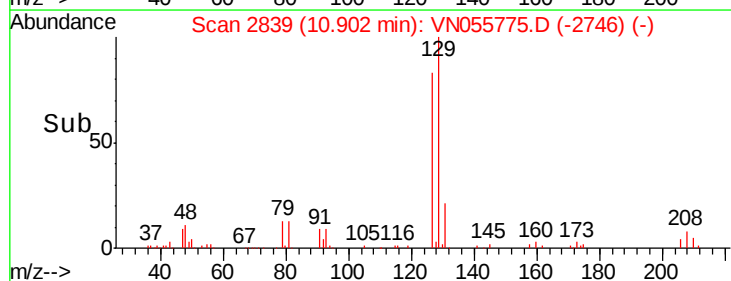
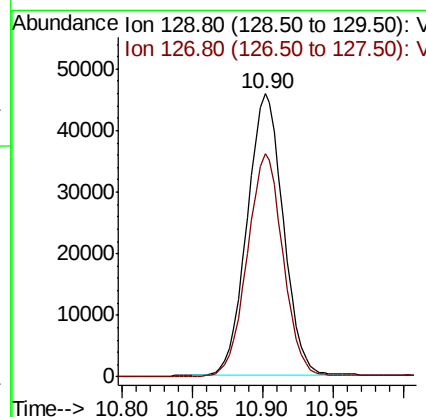
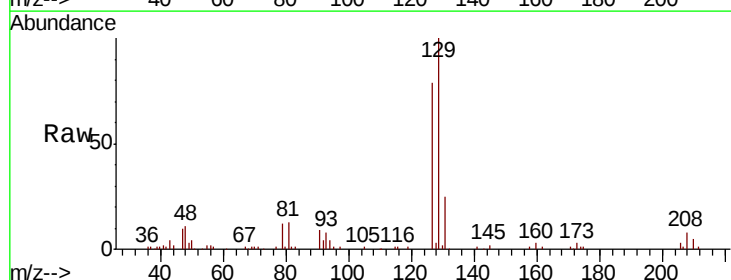
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

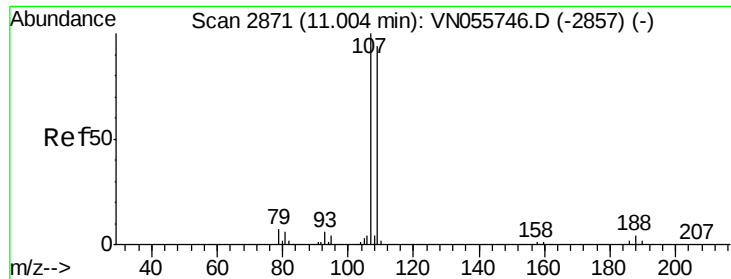
Tot Ion: 43 Resp: 314630
Ion Ratio Lower Upper
43 100
58 57.7 28.2 84.7



#60
Dibromochloromethane
Concen: 19.569 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 129 Resp: 82378
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.247 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

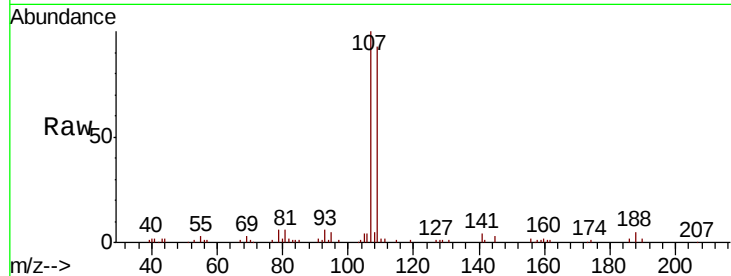
VN0523MBSD01

Tot Ion:107 Resp: 75888

Ion Ratio Lower Upper

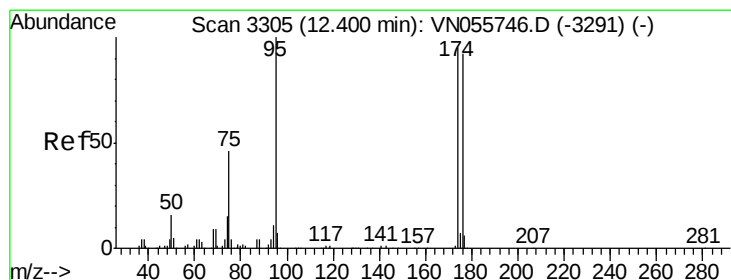
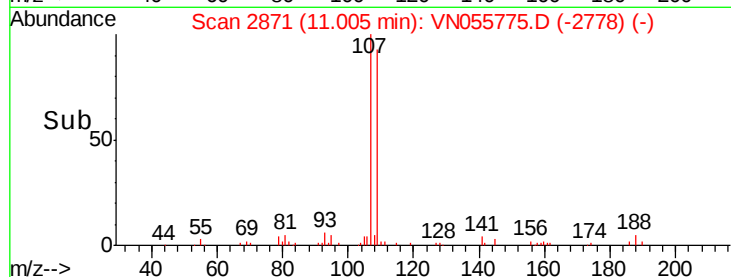
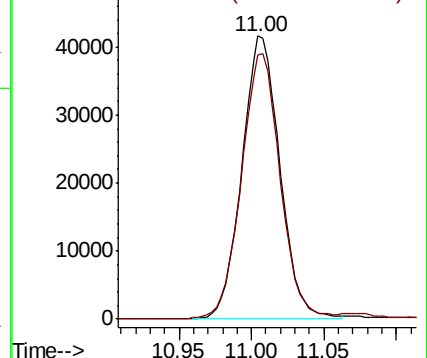
107 100

109 95.9 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.437 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

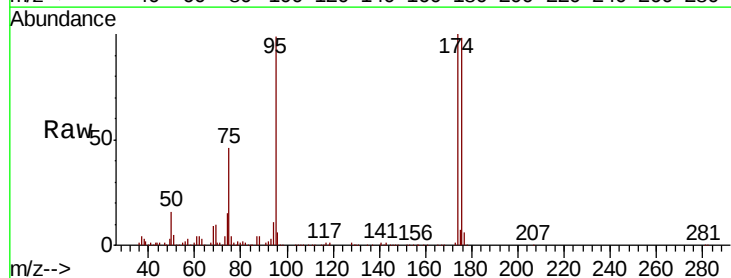
Tgt Ion: 95 Resp: 224487

Ion Ratio Lower Upper

95 100

174 100.3 0.0 191.0

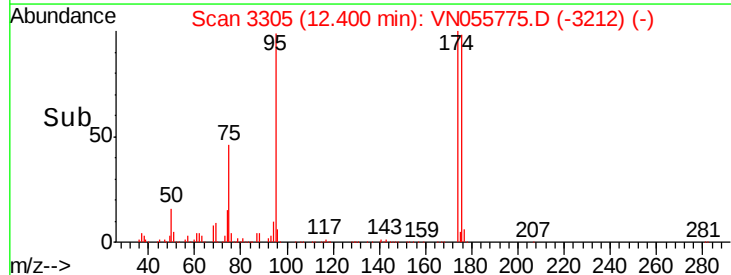
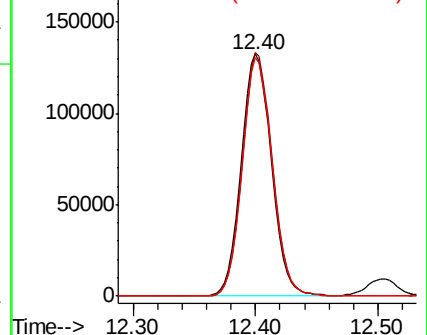
176 98.1 0.0 185.2

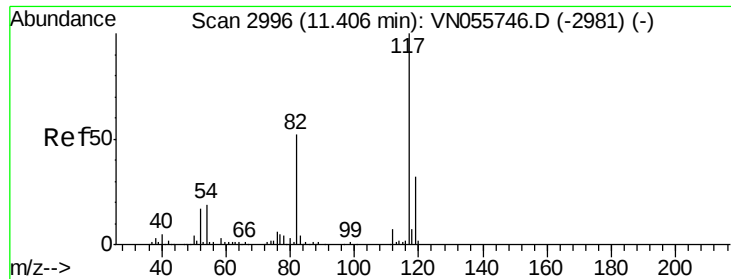


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

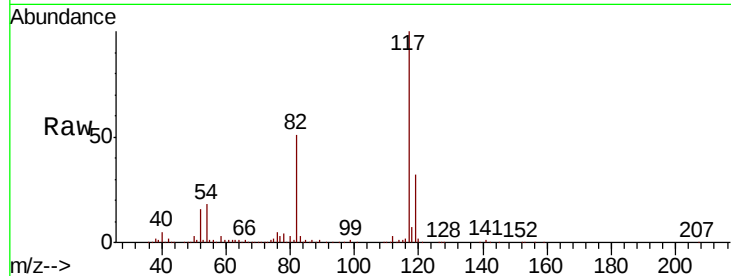




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.8	62.8
119	32.0	25.4	38.0

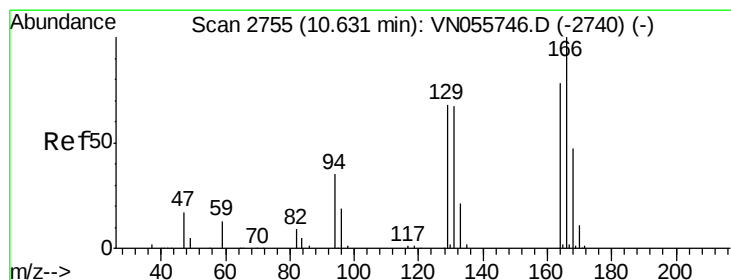
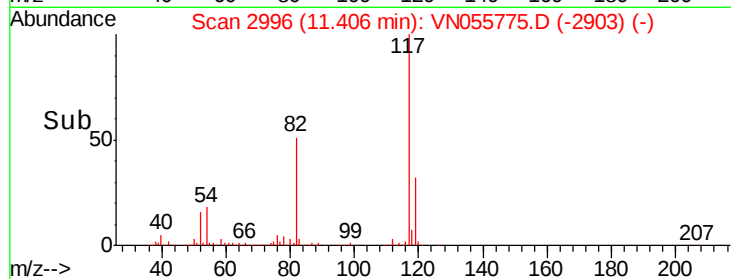
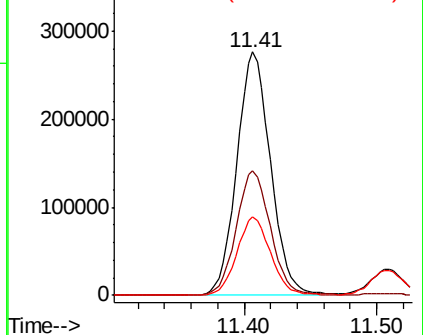


Abundance

Ion 116.90 (116.60 to 117.60): V

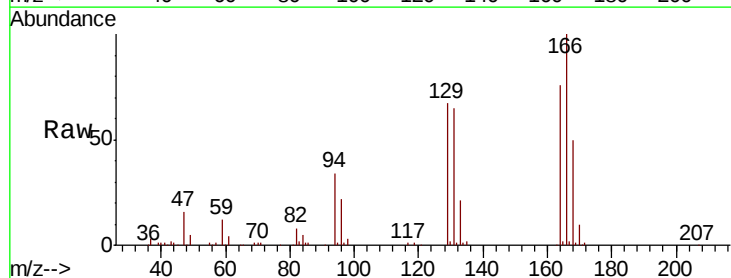
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.954 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	103.0	154.6
129	88.5	70.6	105.8
131	86.0	68.6	102.8



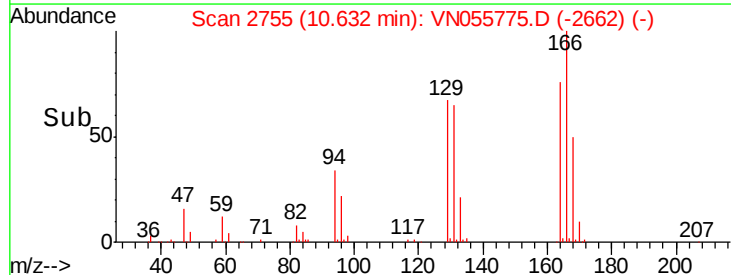
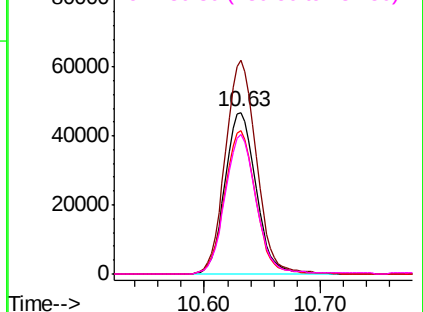
Abundance

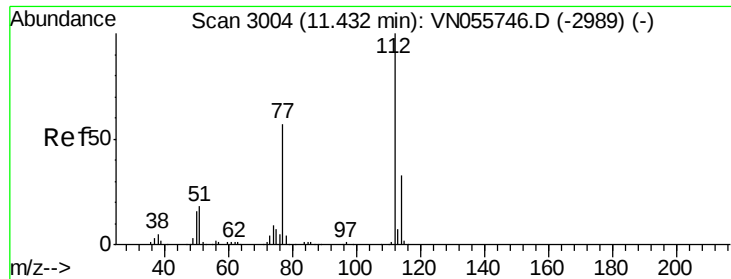
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.184 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

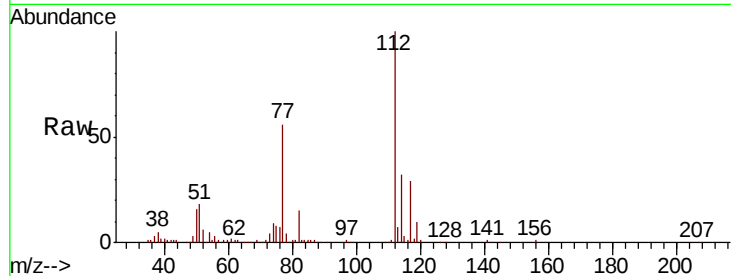
VN0523MBSD01

Tot Ion:112 Resp: 197524

Ion Ratio Lower Upper

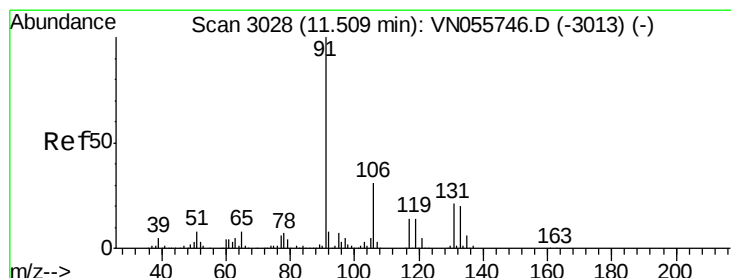
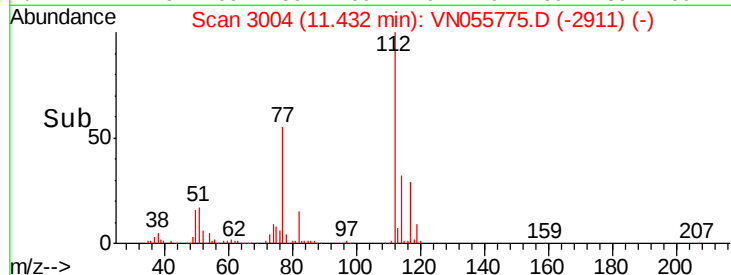
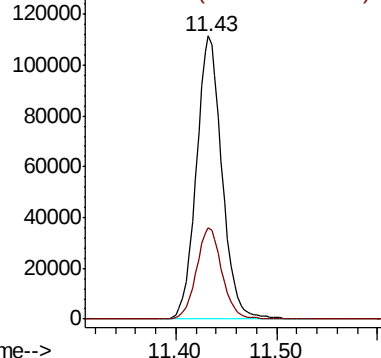
112 100

114 32.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.549 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

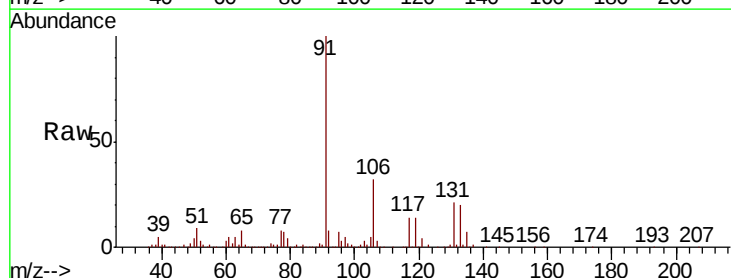
Tgt Ion:131 Resp: 76300

Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.0

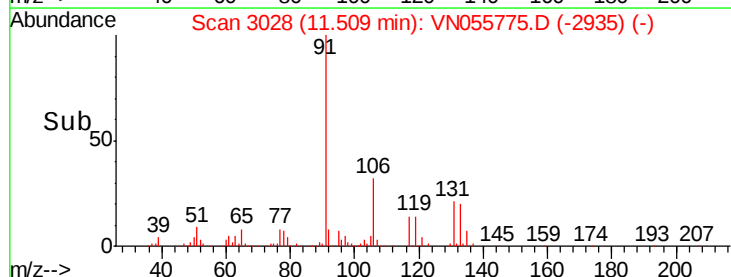
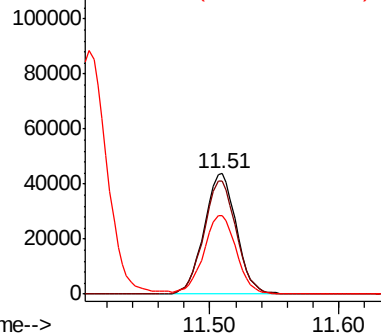
119 65.1 33.1 99.5

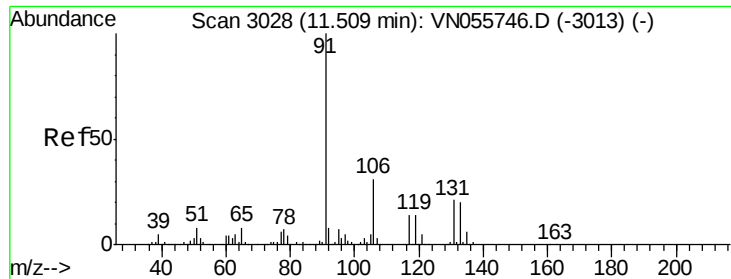


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

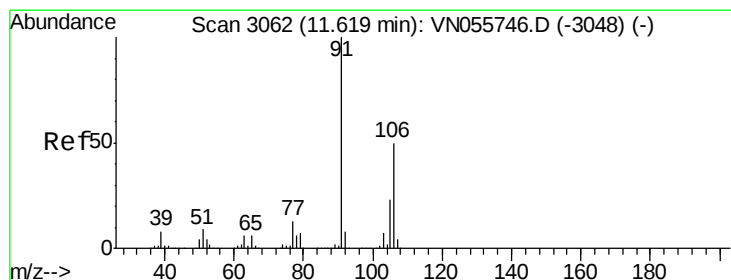
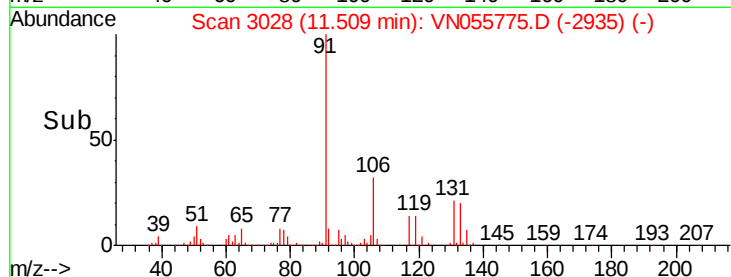
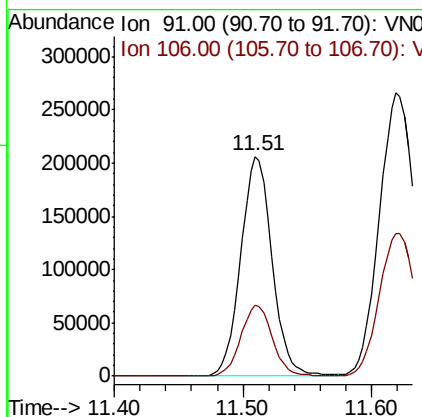
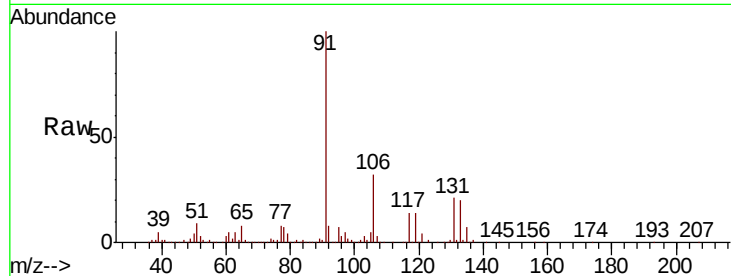




#67
Ethyl Benzene
Concen: 19.833 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

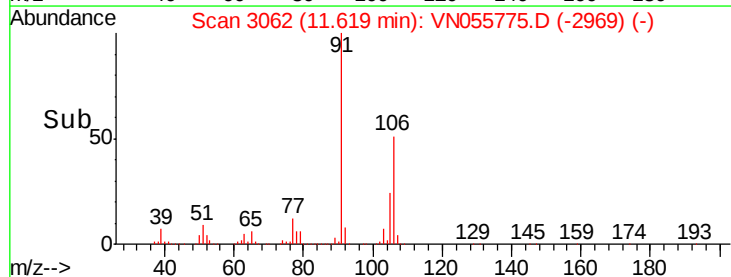
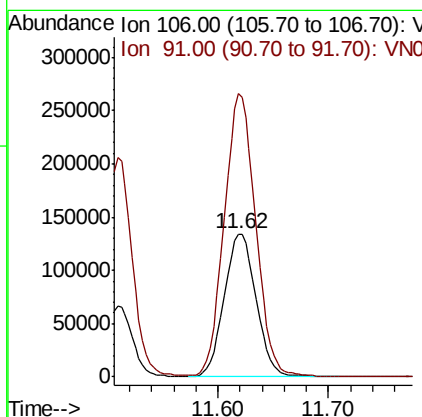
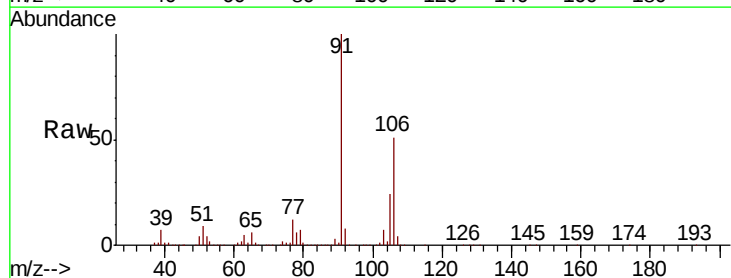
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

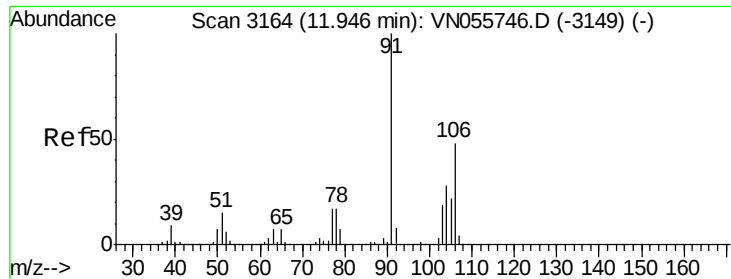
Tot Ion: 91 Resp: 348061
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 40.451 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 106 Resp: 268372
Ion Ratio Lower Upper
106 100
91 195.8 159.3 238.9

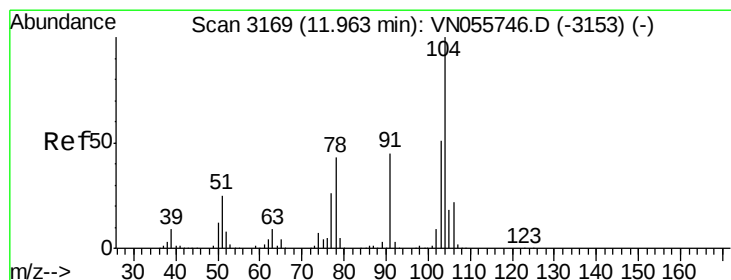
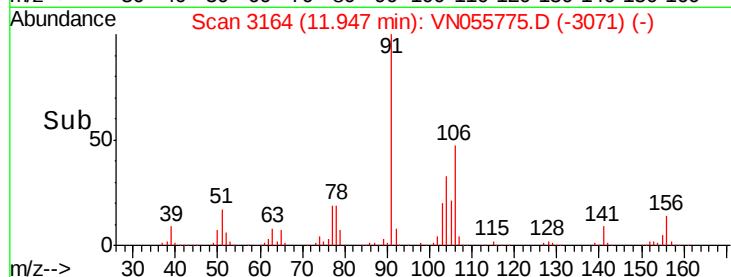
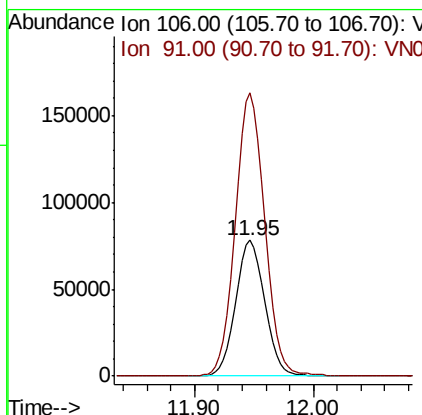
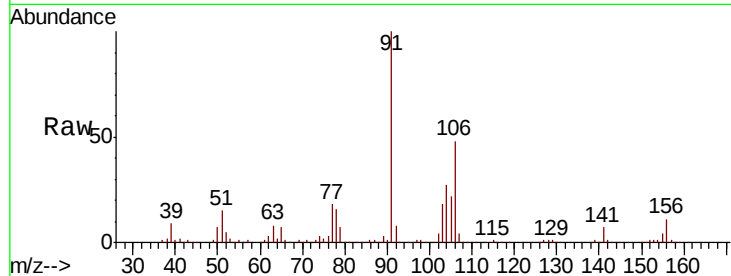




#69
o-Xylene
Concen: 20.173 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

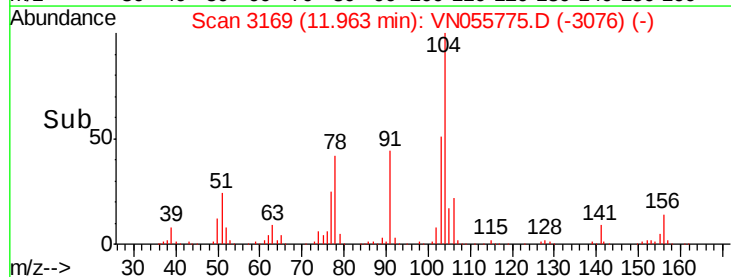
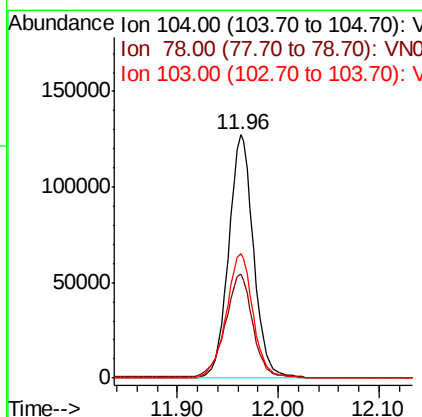
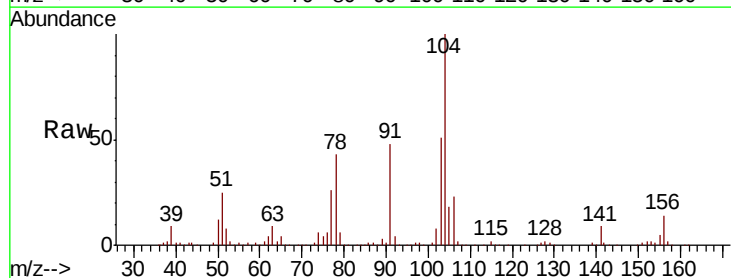
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

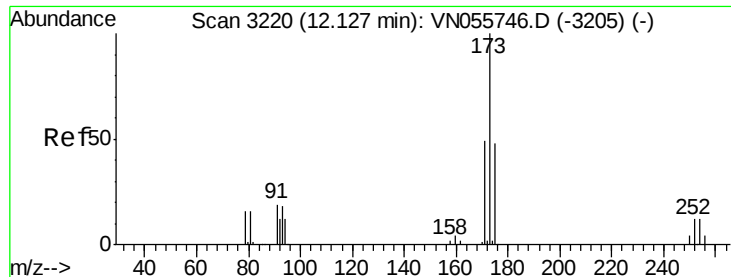
Tot Ion:106 Resp: 132786
Ion Ratio Lower Upper
106 100
91 208.6 104.7 314.1



#70
Styrene
Concen: 20.600 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion:104 Resp: 219591
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.0 44.2 66.2

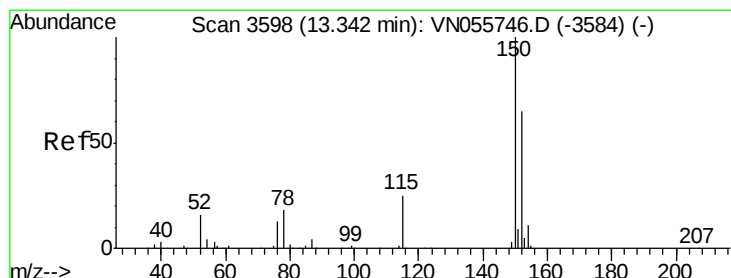
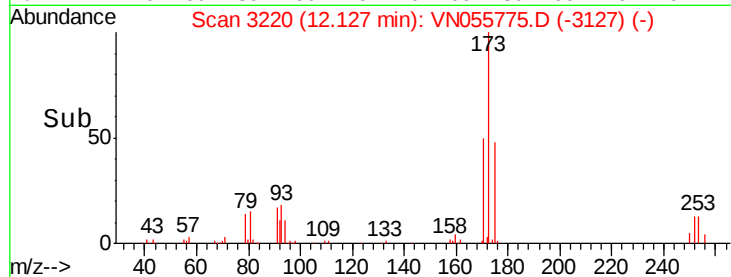
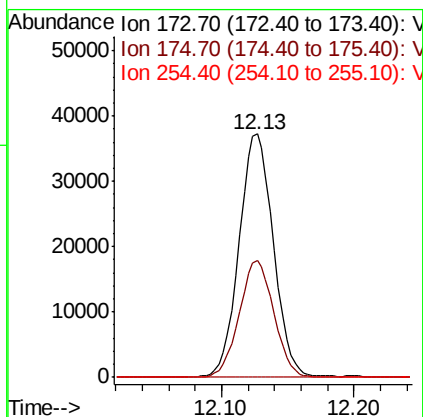
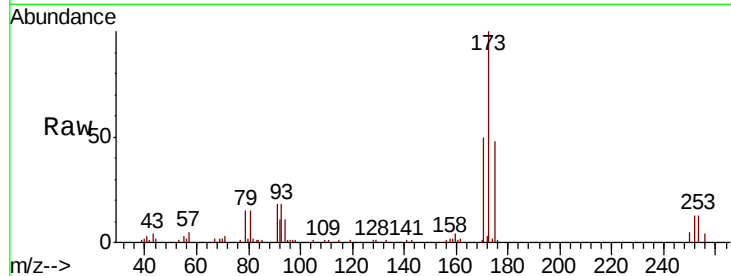




#71
Bromoform
Concen: 20.091 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

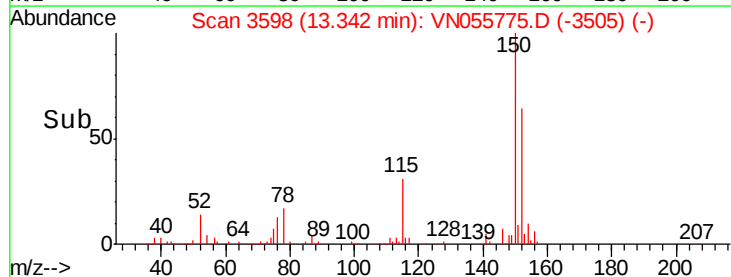
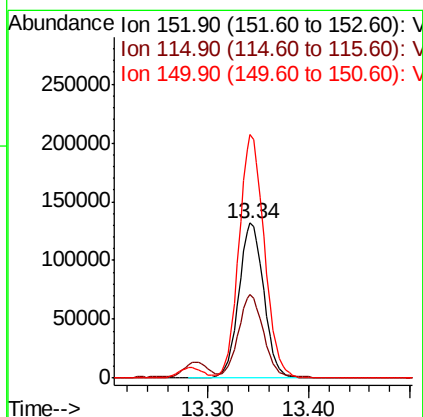
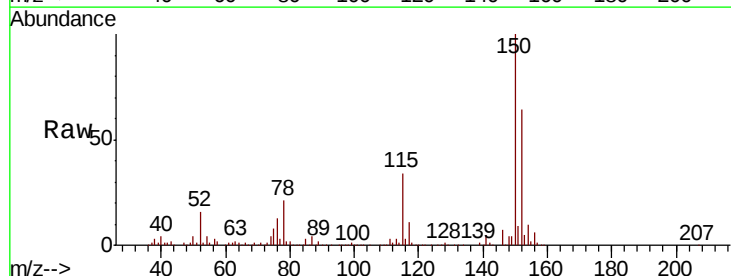
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

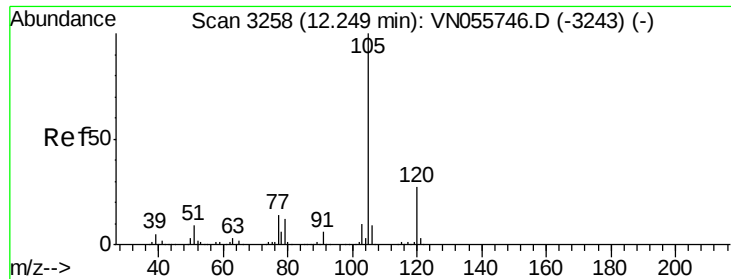
Tot Ion:173 Resp: 66887
Ion Ratio Lower Upper
173 100
175 48.3 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion:152 Resp: 224878
Ion Ratio Lower Upper
152 100
115 55.3 27.0 81.0
150 159.7 0.0 343.2





#73

Isopropylbenzene

Concen: 20.972 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

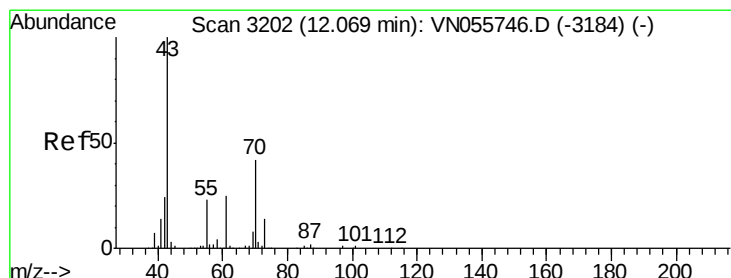
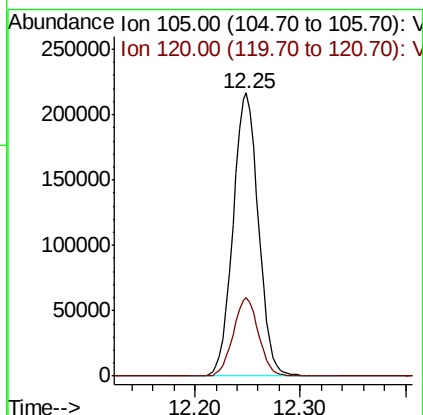
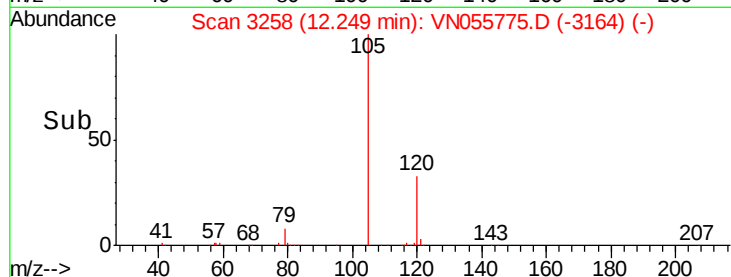
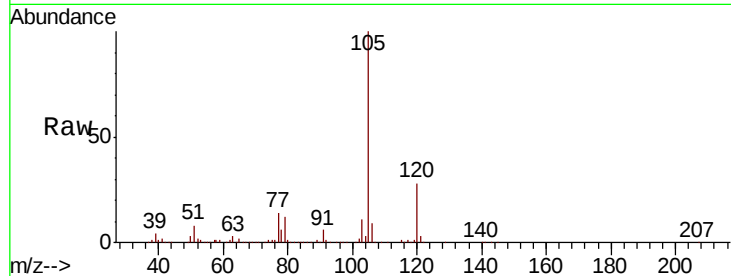
VN0523MBSD01

Tot Ion:105 Resp: 360245

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7



#74

N-ethyl acetate

Concen: 18.923 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Tgt Ion: 43 Resp: 123857

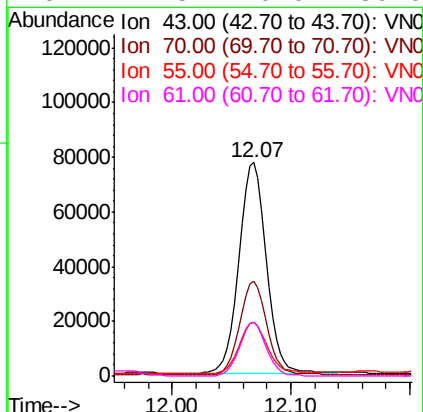
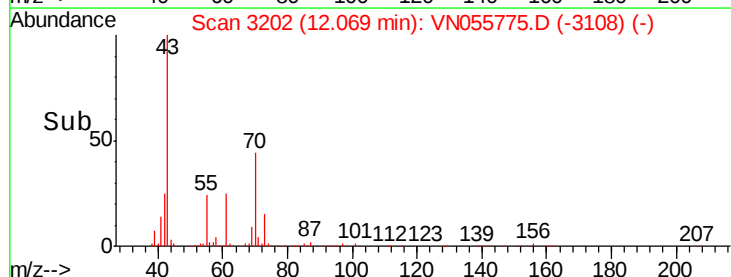
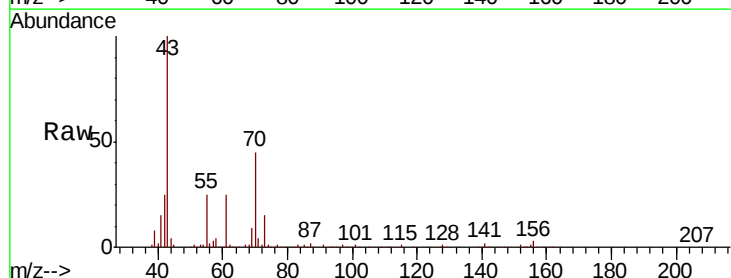
Ion Ratio Lower Upper

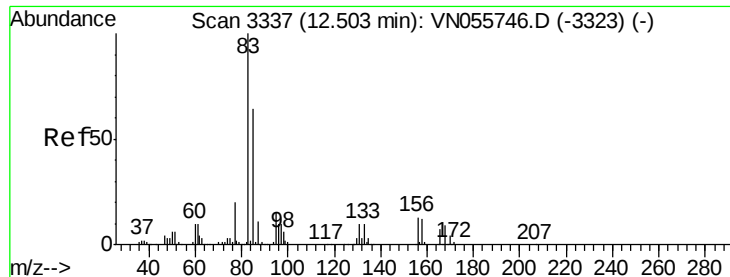
43 100

70 43.5 34.0 51.0

55 25.8 18.6 28.0

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.331 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

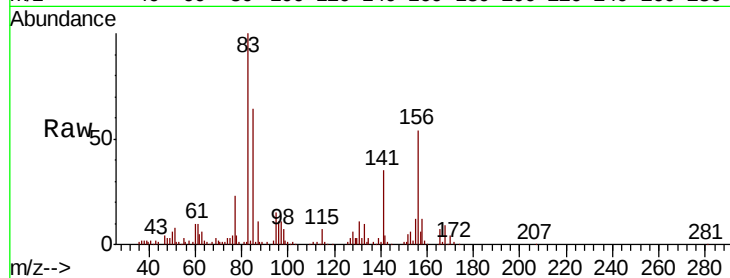
Tot Ion: 83 Resp: 101206

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

85 65.5 32.4 97.0

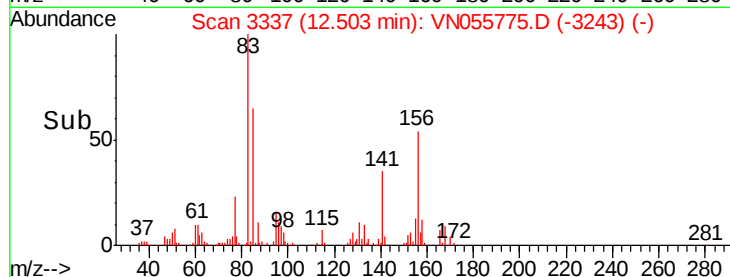


Abundance Ion 82.90 (82.60 to 83.60): VN055775.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055775.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055775.D (-3243) (-)

Time-->

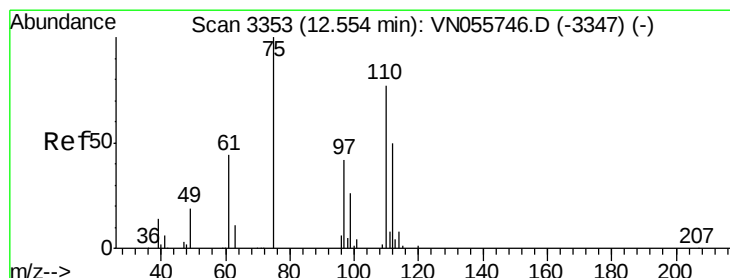


Abundance Ion 82.90 (82.60 to 83.60): VN055775.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055775.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055775.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.881 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055775.D

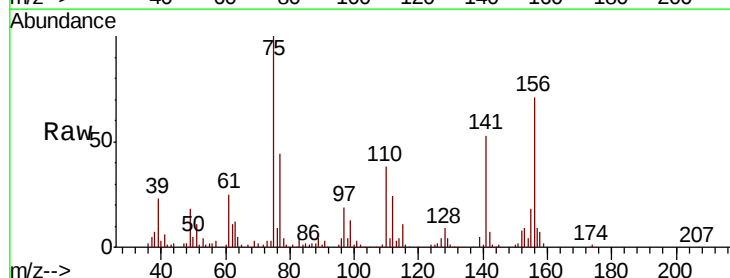
Acq: 24 May 2019 00:18

Tgt Ion: 75 Resp: 127869

Ion Ratio Lower Upper

75 100

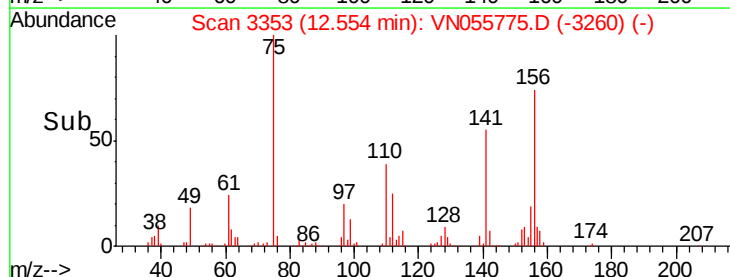
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055775.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055775.D (-3260) (-)

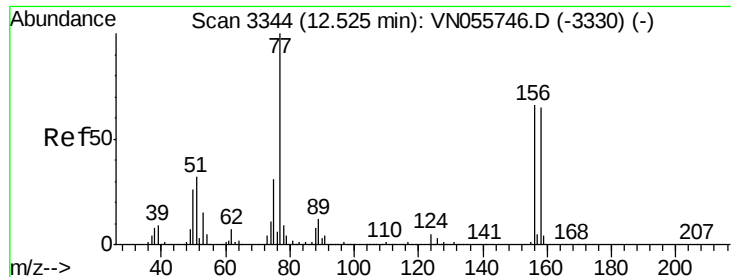
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN055775.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055775.D (-3260) (-)

Time-->



#77

Bromobenzene

Concen: 66.977 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

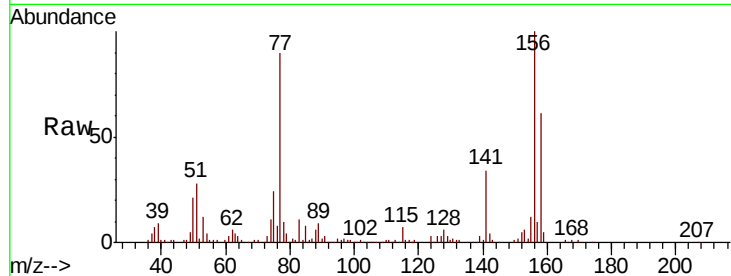
Tot Ion:156 Resp: 321403

Ion Ratio Lower Upper

156 100

77 53.8 90.8 272.5#

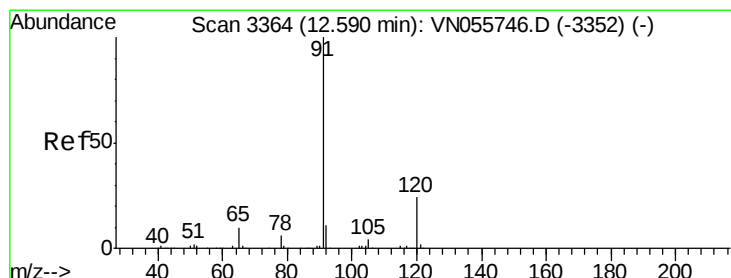
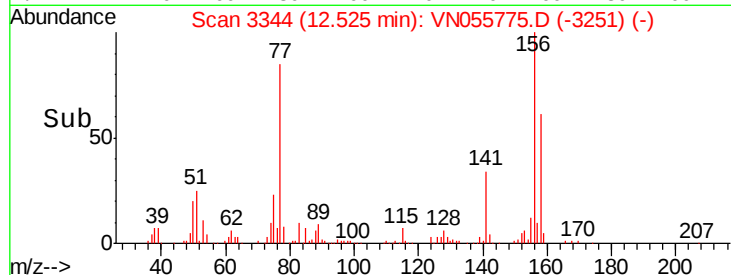
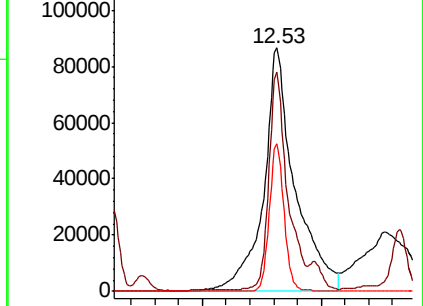
158 28.9 49.3 147.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.475 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055775.D

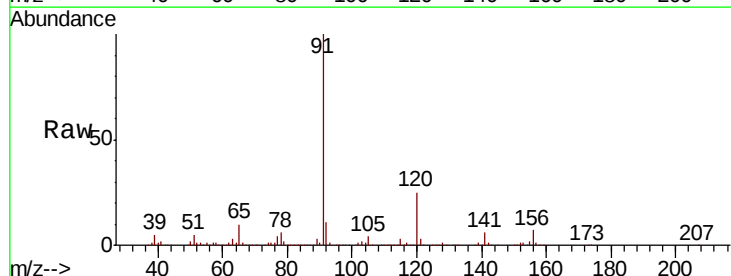
Acq: 24 May 2019 00:18

Tgt Ion: 91 Resp: 380629

Ion Ratio Lower Upper

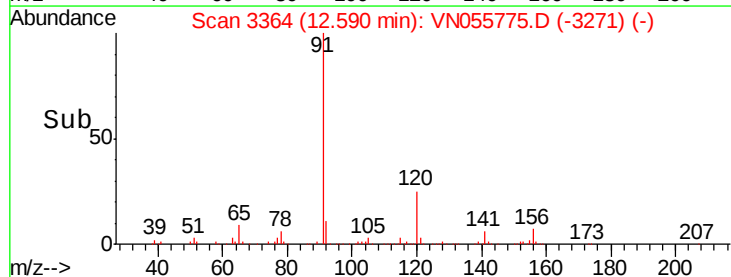
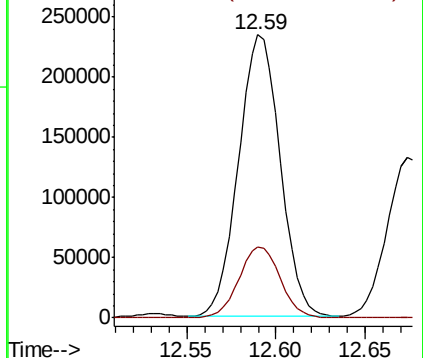
91 100

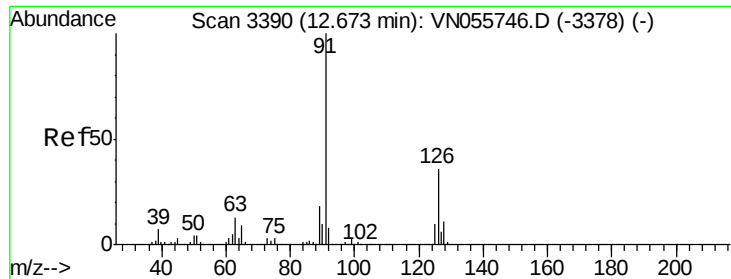
120 25.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.566 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

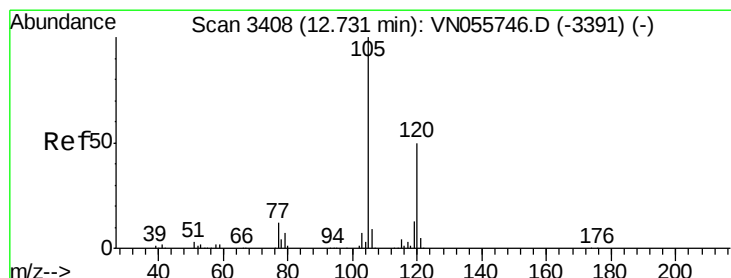
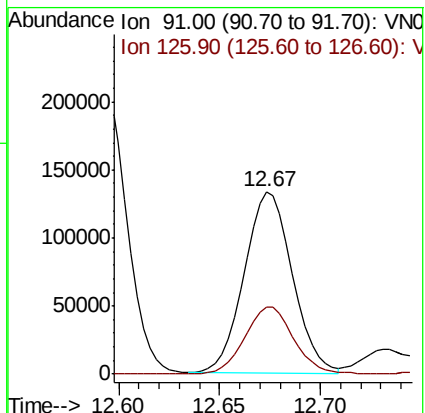
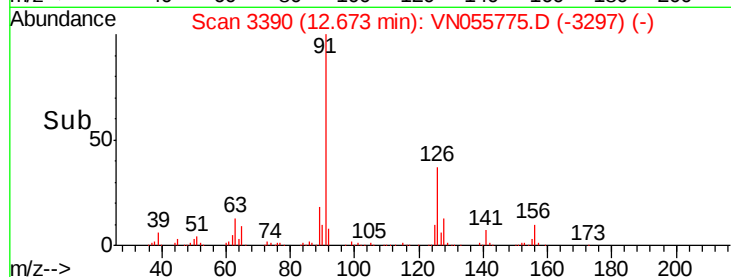
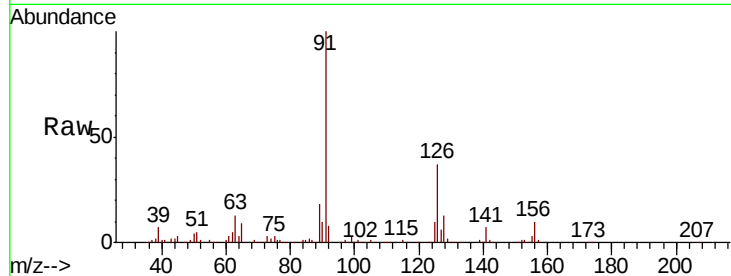
VN0523MBSD01

Tot Ion: 91 Resp: 222319

Ion Ratio Lower Upper

91 100

126 38.1 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 20.413 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055775.D

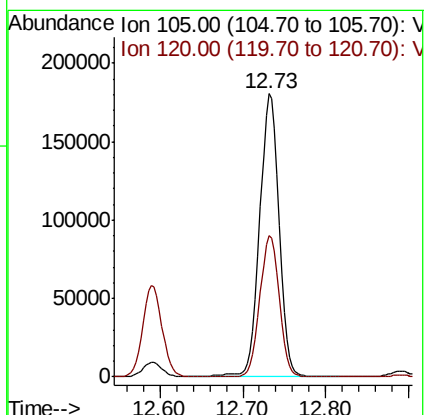
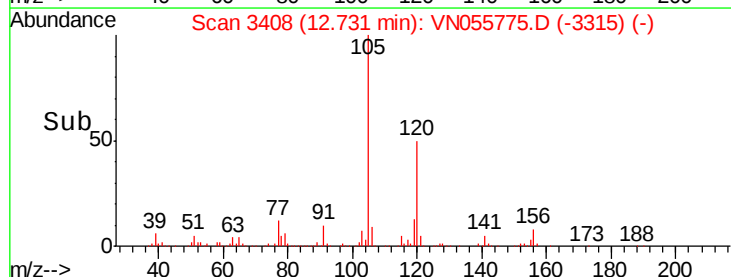
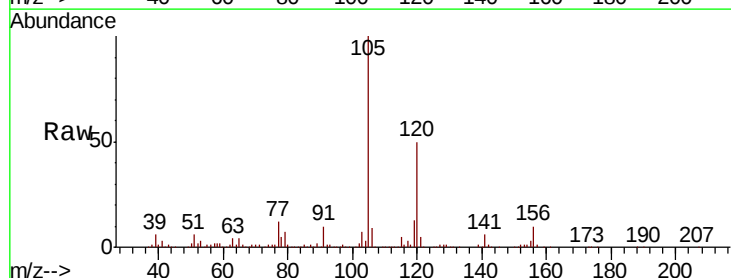
Acq: 24 May 2019 00:18

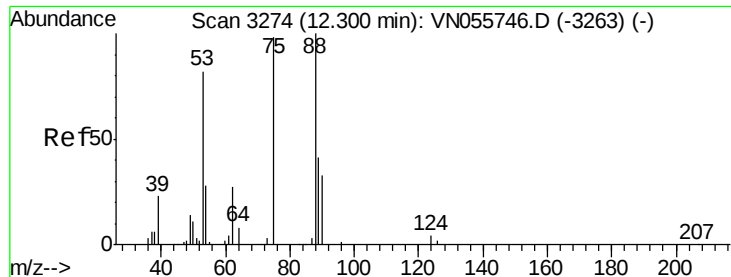
Tgt Ion: 105 Resp: 295251

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.856 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

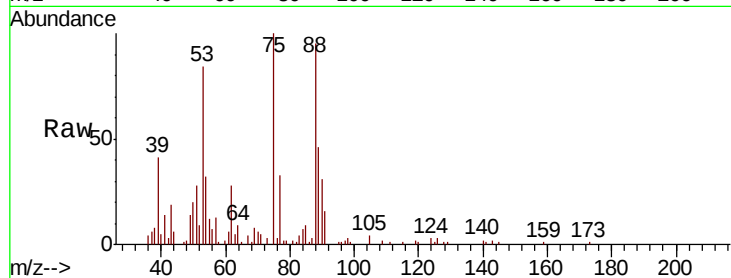
Tot Ion: 75 Resp: 28172

Ion Ratio Lower Upper

75 100

53 82.0 68.1 102.1

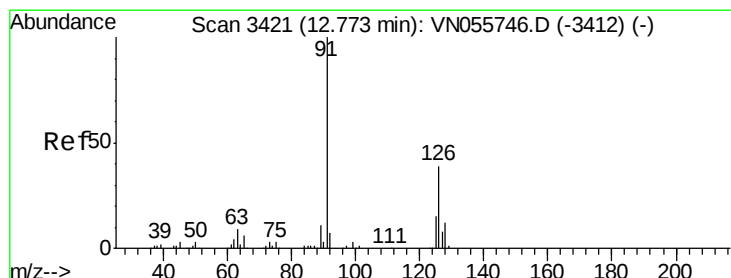
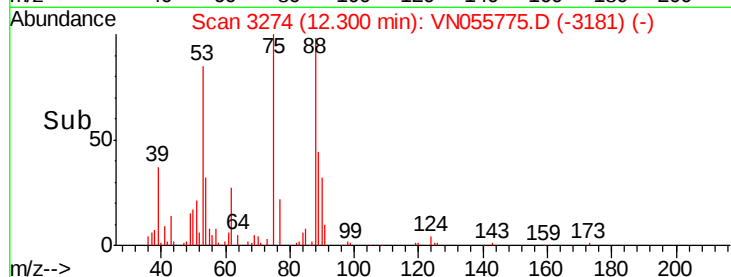
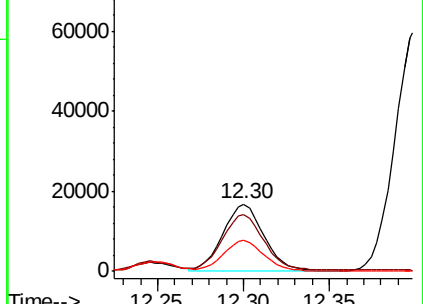
89 45.6 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.576 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055775.D

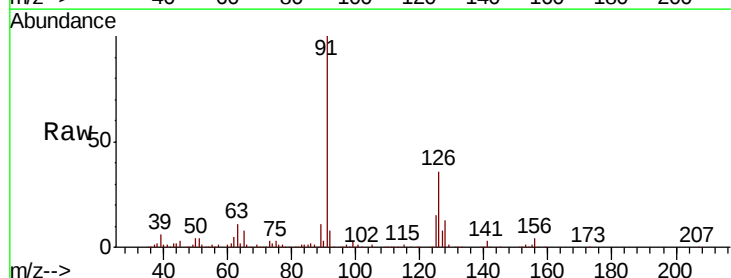
Acq: 24 May 2019 00:18

Tgt Ion: 91 Resp: 213422

Ion Ratio Lower Upper

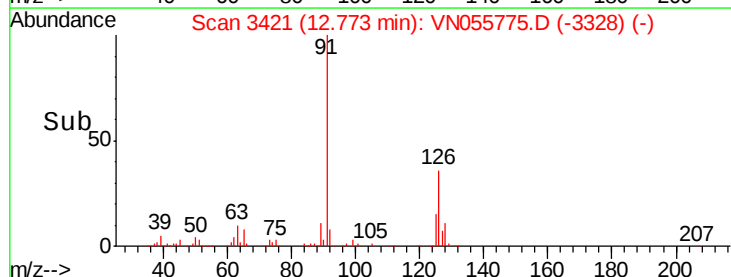
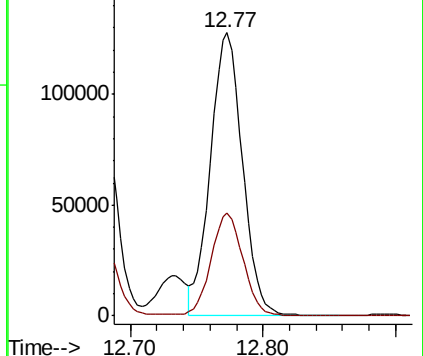
91 100

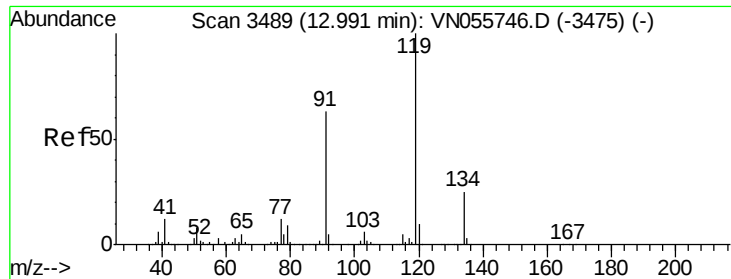
126 36.3 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

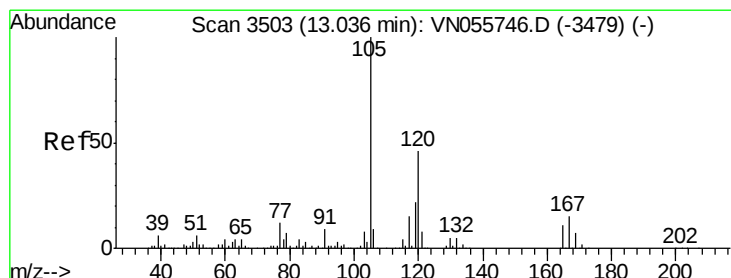
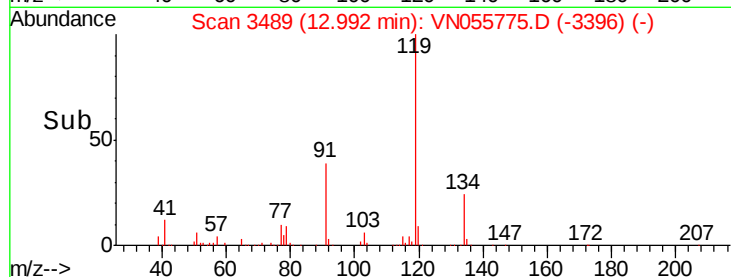
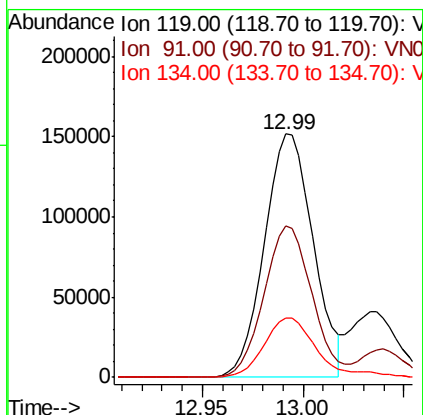
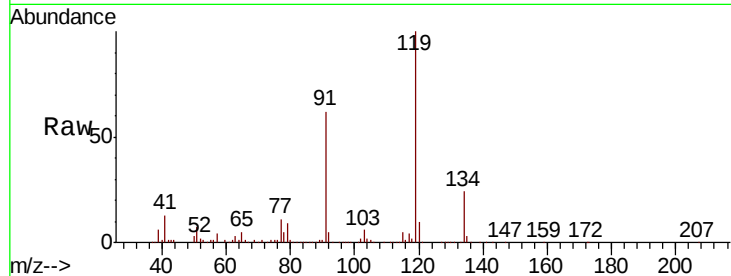




#83
 tert-Butylbenzene
 Concen: 20.086 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

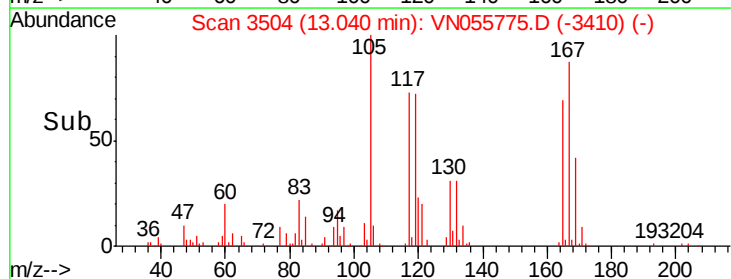
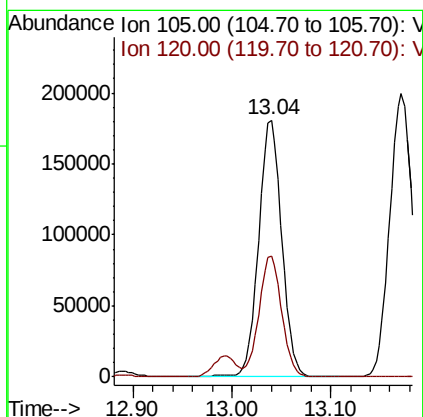
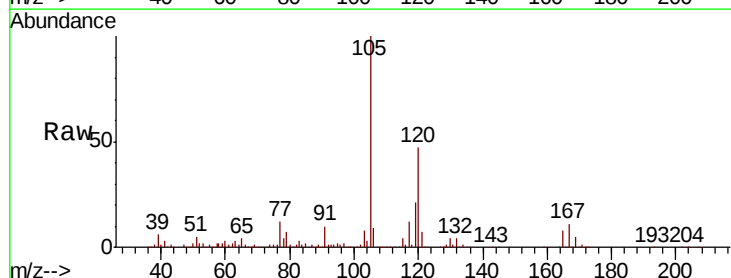
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

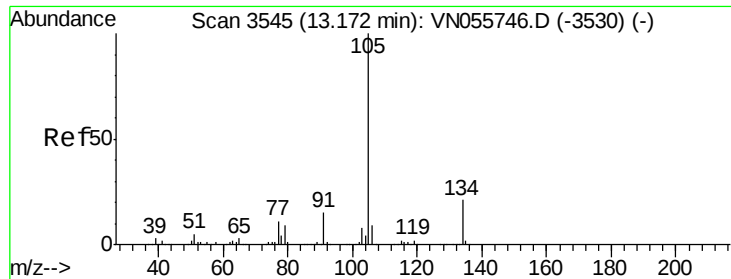
Tot Ion:119 Resp: 254848
 Ion Ratio Lower Upper
 119 100
 91 60.6 30.9 92.8
 134 26.4 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.150 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion:105 Resp: 289653
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 19.741 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

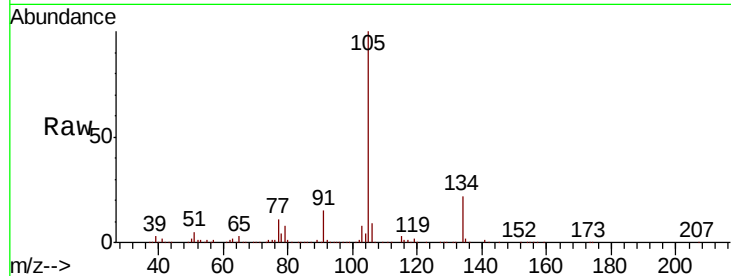
VN0523MBSD01

Tot Ion:105 Resp: 320481

Ion Ratio Lower Upper

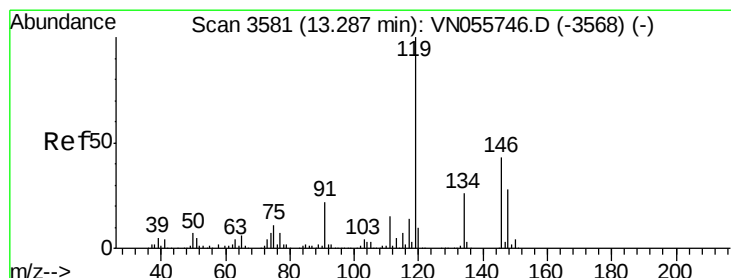
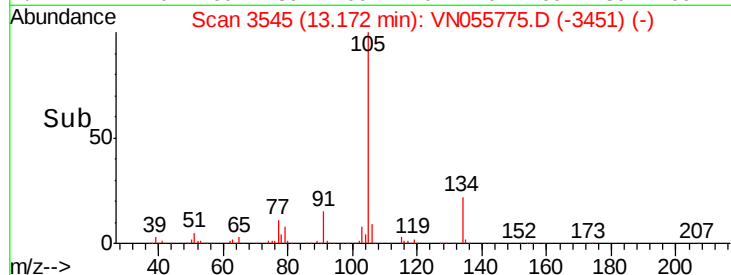
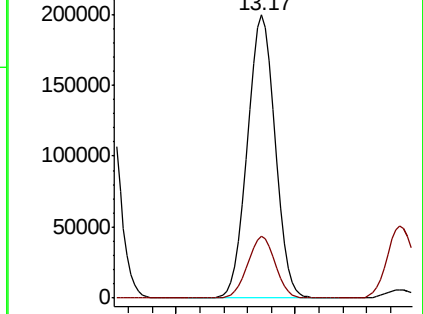
105 100

134 21.9 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.968 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

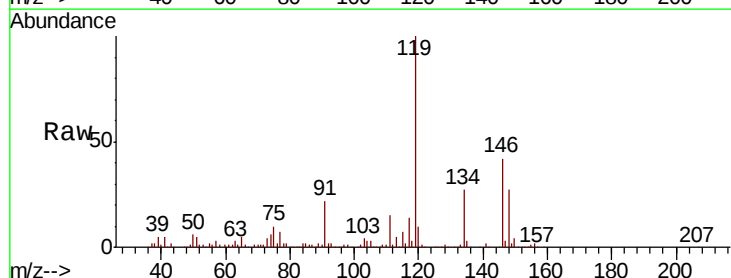
Tgt Ion:119 Resp: 296219

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

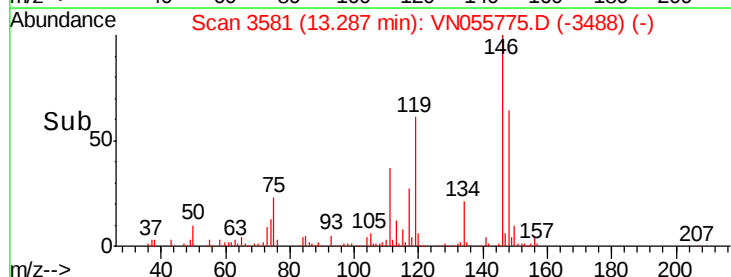
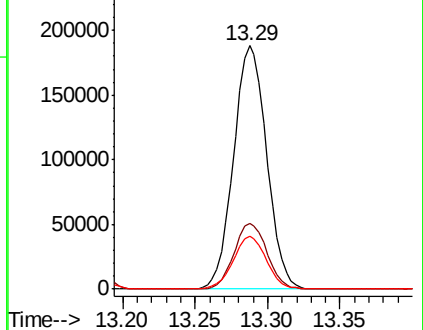
91 21.3 10.9 32.9

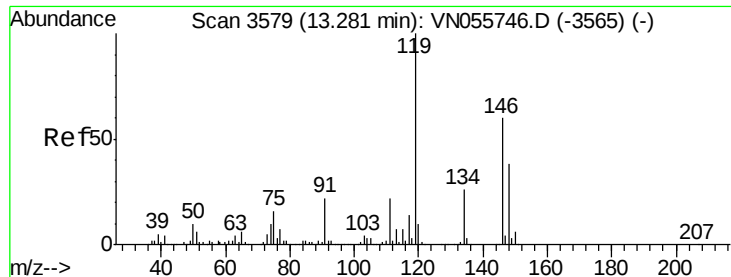


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.274 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

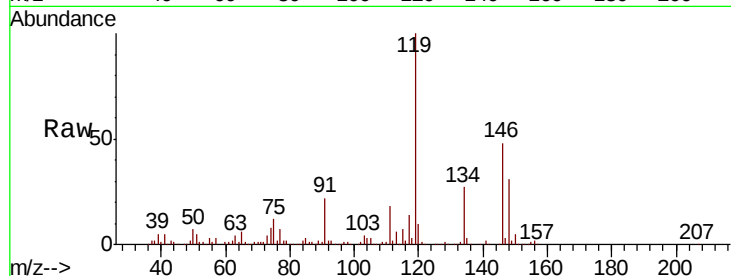
Tot Ion:146 Resp: 146448

Ion Ratio Lower Upper

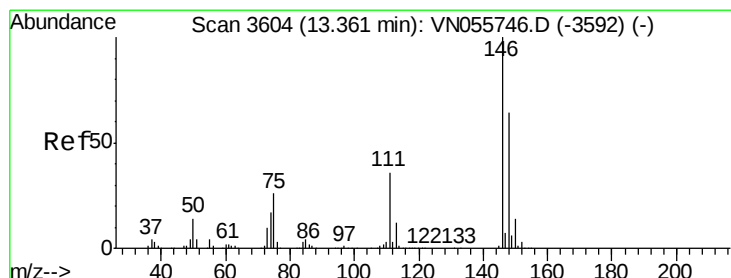
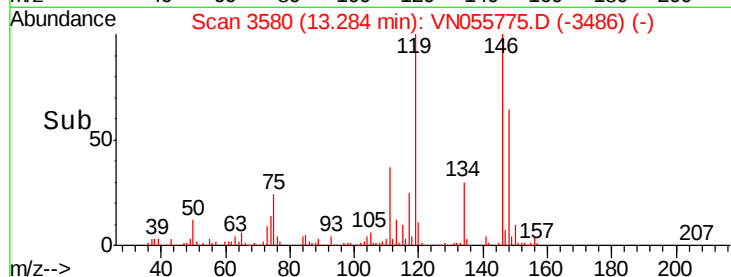
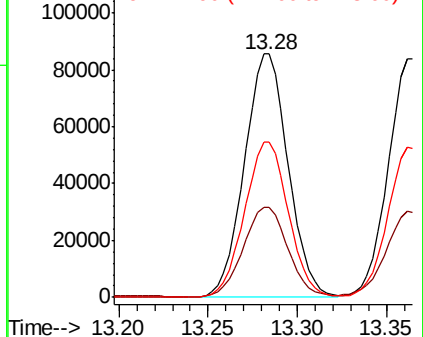
146 100

111 37.1 18.5 55.5

148 64.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.401 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

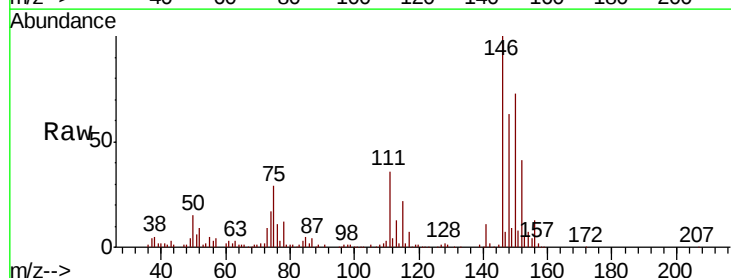
Tgt Ion:146 Resp: 140157

Ion Ratio Lower Upper

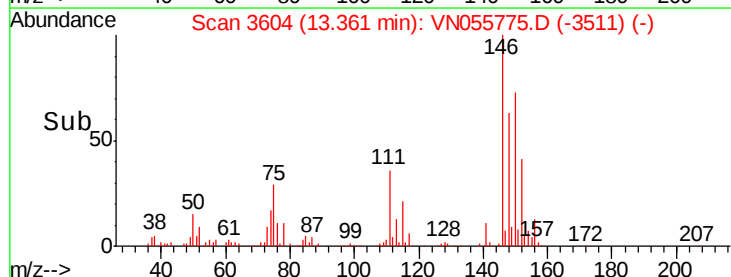
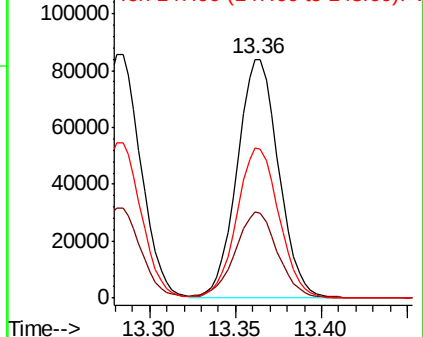
146 100

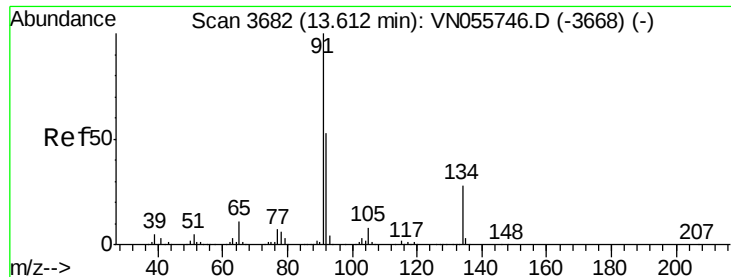
111 36.5 18.1 54.4

148 64.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

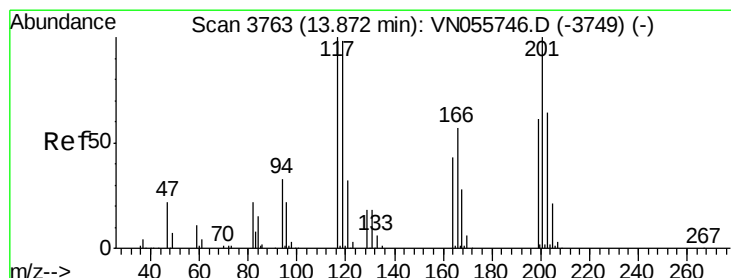
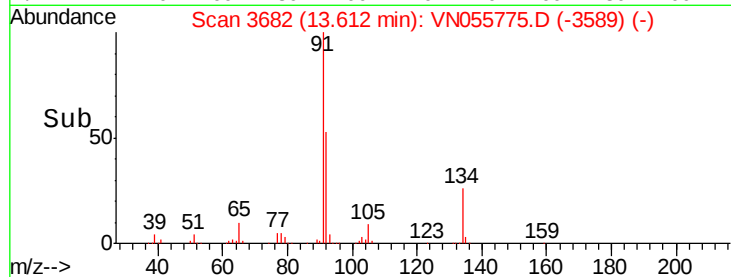
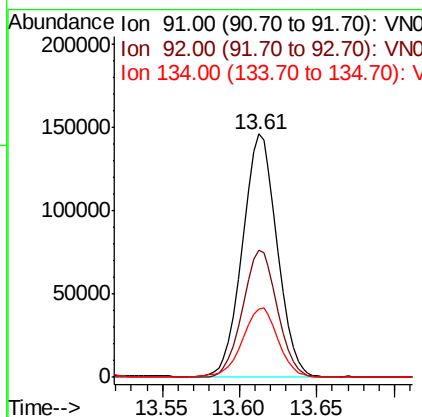
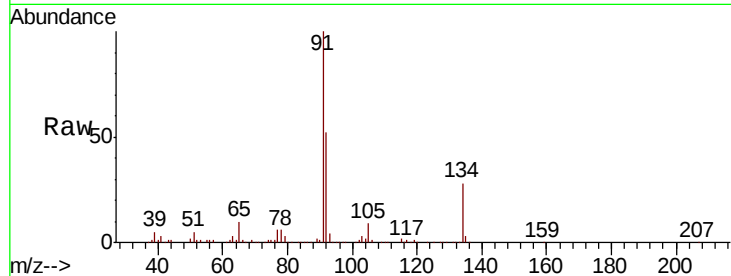




#89
n-Butylbenzene
Concen: 18.864 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

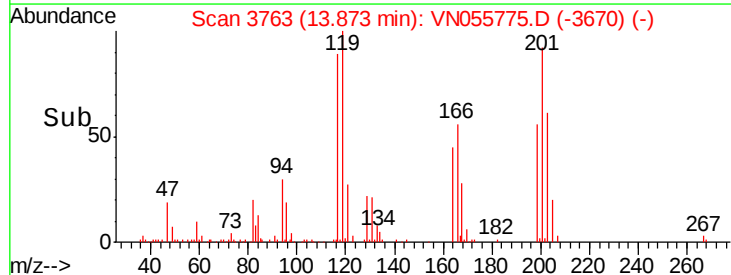
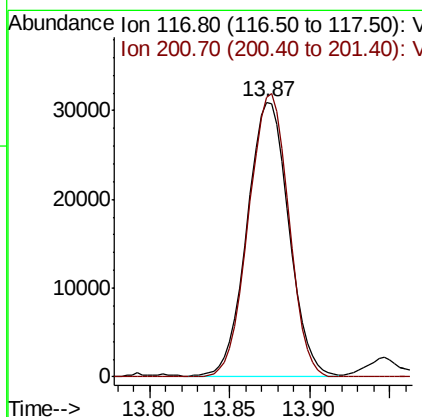
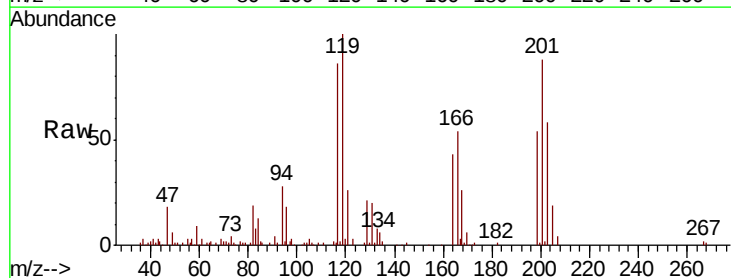
Instrument :
MSVOA_N
ClientSampleId :
VN0523MBSD01

Tot Ion: 91 Resp: 225728
Ion Ratio Lower Upper
91 100
92 52.6 26.4 79.0
134 29.5 13.9 41.7



#90
Hexachloroethane
Concen: 18.715 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055775.D
Acq: 24 May 2019 00:18

Tgt Ion: 117 Resp: 55631
Ion Ratio Lower Upper
117 100
201 98.5 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 19.178 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

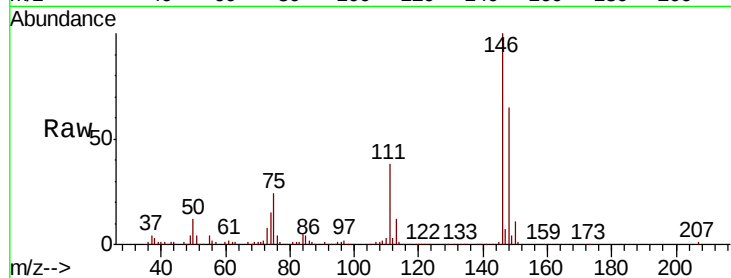
Tot Ion:146 Resp: 145383

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.5

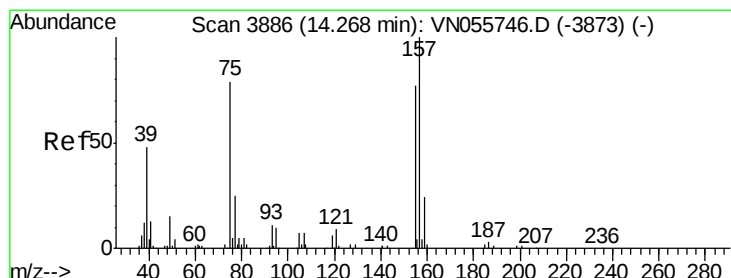
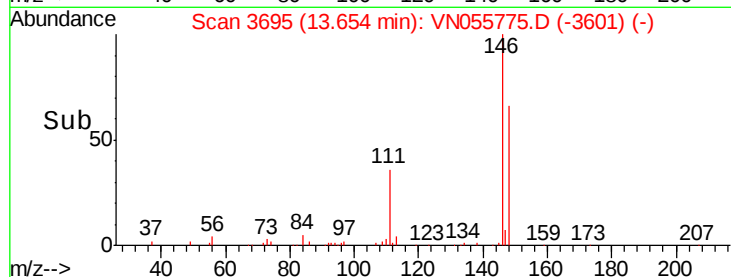
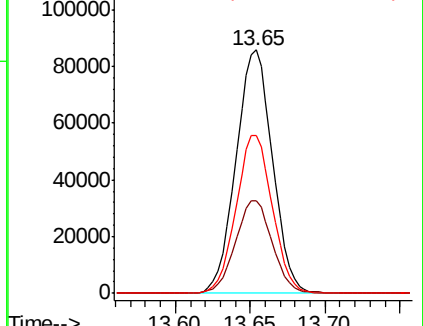
148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.393 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

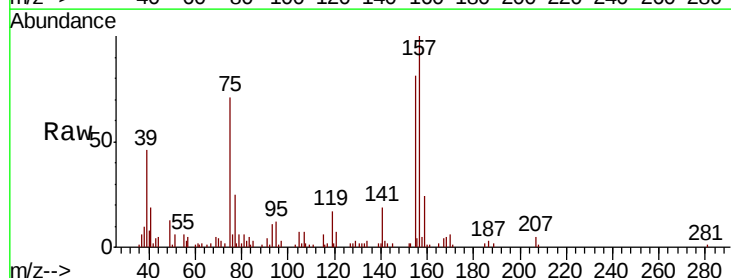
Tgt Ion: 75 Resp: 18327

Ion Ratio Lower Upper

75 100

155 111.6 50.0 150.1

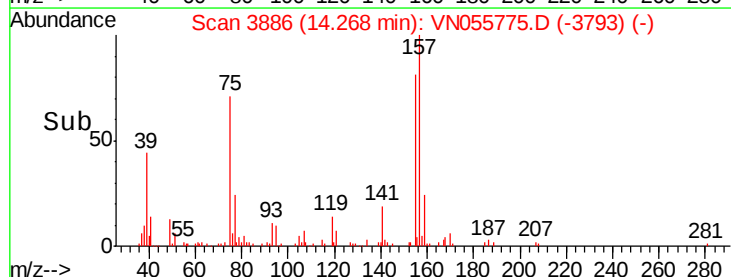
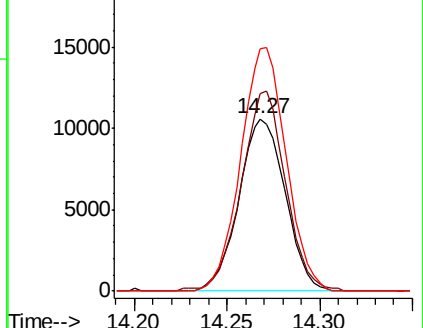
157 138.6 64.8 194.3

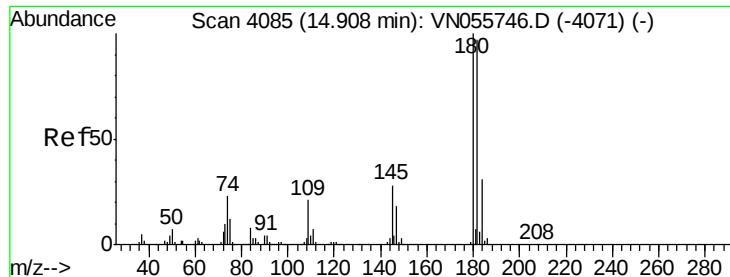


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

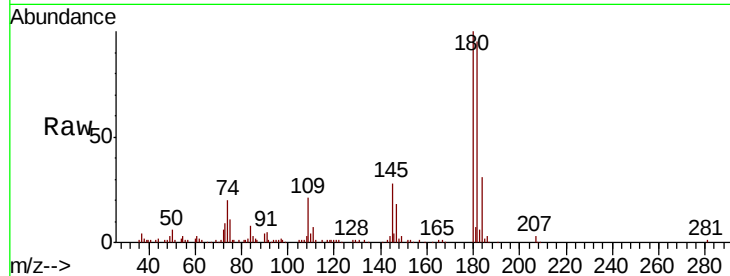




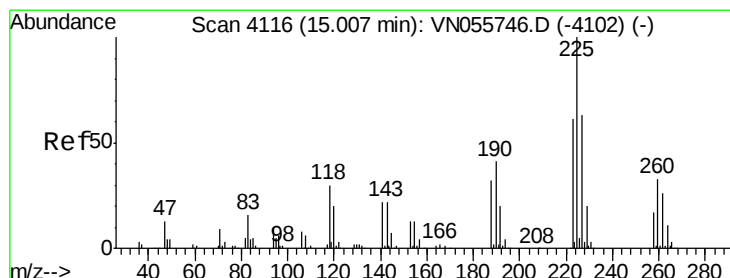
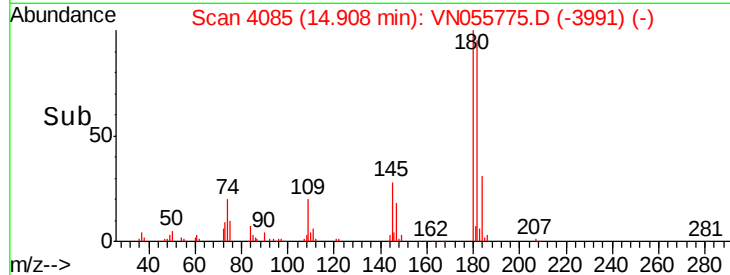
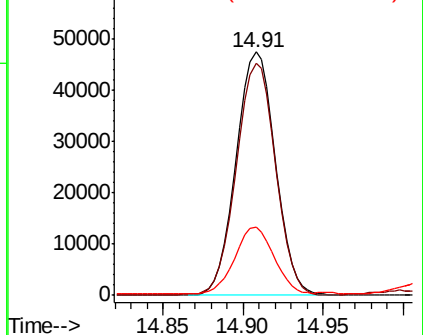
#93
 1,2,4-Trichlorobenzene
 Concen: 20.478 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0523MBSD01

Tot Ion:180 Resp: 79219
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.3 144.9
 145 27.5 14.0 41.9

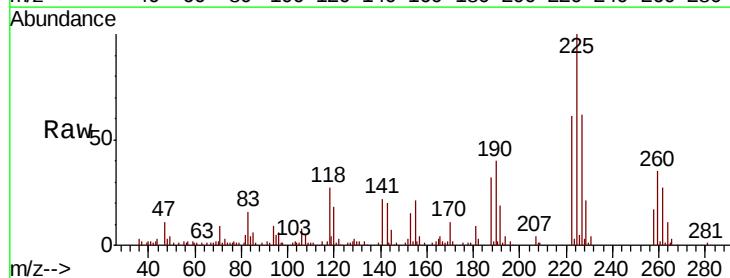


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

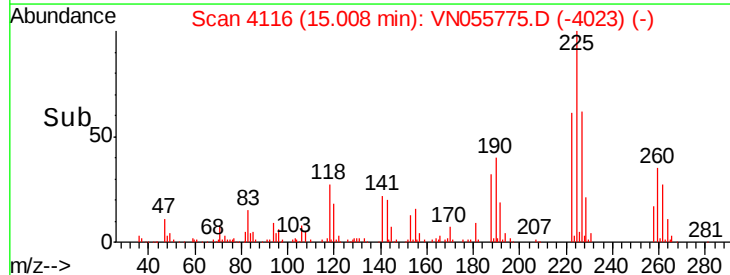
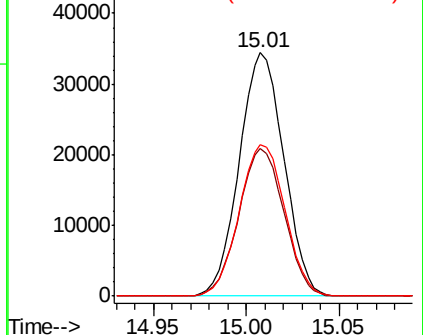


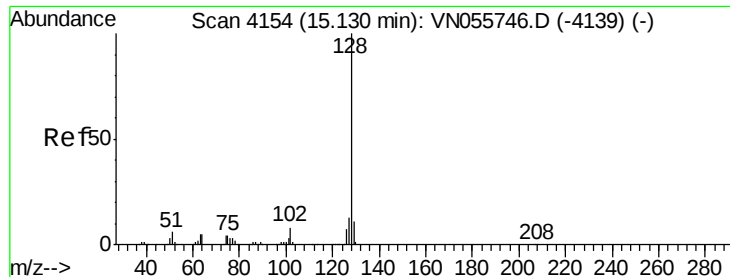
#94
 Hexachlorobutadiene
 Concen: 20.465 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055775.D
 Acq: 24 May 2019 00:18

Tgt Ion:225 Resp: 57477
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.9 92.7
 227 64.0 31.6 94.7



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





#95

Naphthalene

Concen: 25.479 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

Instrument :

MSVOA_N

ClientSampleId :

VN0523MBSD01

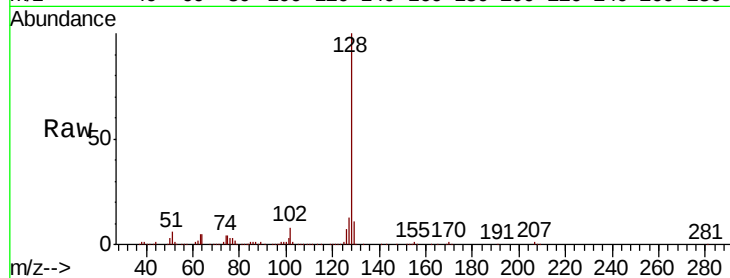
Tot Ion:128 Resp: 265046

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

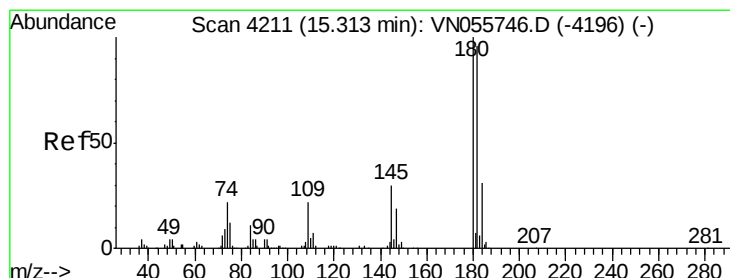
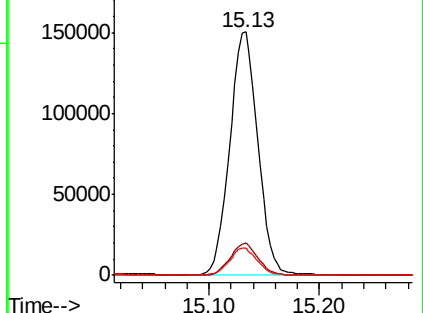
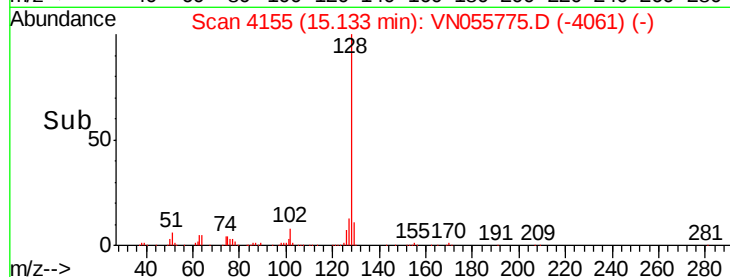
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.178 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055775.D

Acq: 24 May 2019 00:18

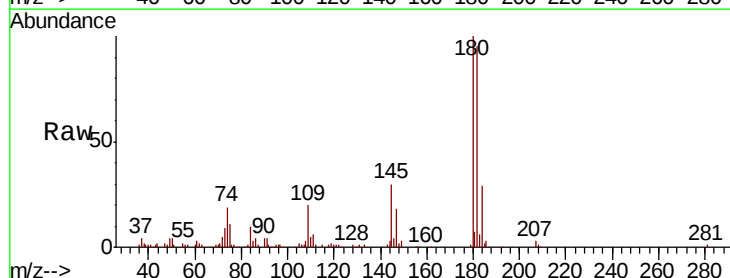
Tgt Ion:180 Resp: 84868

Ion Ratio Lower Upper

180 100

182 96.9 47.9 143.7

145 31.6 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

