

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055872.D
 Acq On : 29 May 2019 12:53
 Operator : JC/SP
 Sample : VN0529MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Quant Time: May 30 06:54:31 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	345132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	493191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	180818	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.59	113	159199	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	605836	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	197687	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	42474	18.286	ug/l	98
3) Chloromethane	2.06	50	60640	18.633	ug/l	98
4) Vinyl Chloride	2.18	62	65700	18.927	ug/l	99
5) Bromomethane	2.54	94	46865	21.581	ug/l	97
6) Chloroethane	2.69	64	42141	20.164	ug/l	99
7) Trichlorofluoromethane	3.01	101	88900	19.535	ug/l	99
8) Diethyl Ether	3.40	74	41344	20.270	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55684	19.602	ug/l	99
10) Methyl Iodide	3.94	142	83663	20.144	ug/l	100
11) Tert butyl alcohol	4.82	59	67087	98.511	ug/l	98
12) 1,1-Dichloroethene	3.72	96	56245	19.162	ug/l	97
13) Acrolein	3.60	56	37577	77.060	ug/l	98
14) Allyl chloride	4.31	41	94944	18.868	ug/l	98
15) Acrylonitrile	4.99	53	161040	102.982	ug/l	100
16) Acetone	3.82	43	151249	96.536	ug/l	98
17) Carbon Disulfide	4.04	76	135242	16.217	ug/l	98
18) Methyl Acetate	4.33	43	72061	21.914	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	195539	19.974	ug/l	99
20) Methylene Chloride	4.54	84	67013	19.750	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	60670	19.239	ug/l	98
22) Diisopropyl ether	5.96	45	197475	20.178	ug/l	99
23) Vinyl Acetate	5.90	43	825165	98.338	ug/l	100
24) 1,1-Dichloroethane	5.84	63	111053	19.489	ug/l	99
25) 2-Butanone	6.84	43	223100	101.960	ug/l	100
26) 2,2-Dichloropropane	6.82	77	89188	18.085	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	73729	20.040	ug/l	100
28) Bromochloromethane	7.19	49	57713	21.273	ug/l	99
29) Tetrahydrofuran	7.22	42	144755	104.466	ug/l	100
30) Chloroform	7.37	83	114594	20.165	ug/l	100
31) Cyclohexane	7.65	56	104641	19.560	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	97454	19.218	ug/l	99
36) 1,1-Dichloropropene	7.79	75	82158	19.116	ug/l	99
37) Ethyl Acetate	6.93	43	87152	20.980	ug/l	99
38) Carbon Tetrachloride	7.77	117	83061	18.553	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102194	19.201	ug/l	99
40) Benzene	8.04	78	263936	20.376	ug/l	99
41) Methacrylonitrile	7.18	41	40350	19.227	ug/l	95
42) 1,2-Dichloroethane	8.12	62	87921	20.772	ug/l	100
43) Isopropyl Acetate	8.17	43	139240	19.950	ug/l #	92
44) Trichloroethene	8.83	130	74886	20.738	ug/l	100
45) 1,2-Dichloropropane	9.12	63	70195	20.799	ug/l	99
46) Dibromomethane	9.21	93	45130	20.391	ug/l	97
47) Bromodichloromethane	9.40	83	86529	19.066	ug/l	96
48) Methyl methacrylate	9.20	41	65490	20.360	ug/l	99
49) 1,4-Dioxane	9.20	88	26958	403.295	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	428084	103.852	ug/l	99
52) Toluene	10.16	92	166315	20.415	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88340	18.236	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	103450	19.277	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	67683	20.739	ug/l	99
56) Ethyl methacrylate	10.43	69	102011	20.225	ug/l	99
57) 1,3-Dichloropropane	10.71	76	109408	20.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	176719	91.680	ug/l	99
59) 2-Hexanone	10.75	43	300333	102.706	ug/l	100
60) Dibromochloromethane	10.90	129	71346	18.766	ug/l	99
61) 1,2-Dibromoethane	11.01	107	70491	20.823	ug/l	99
64) Tetrachloroethene	10.63	164	75704	20.588	ug/l	99
65) Chlorobenzene	11.43	112	180524	20.684	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	66615	19.137	ug/l	98
67) Ethyl Benzene	11.51	91	320181	20.457	ug/l	99
68) m/p-Xylenes	11.62	106	240181	40.592	ug/l	99
69) o-Xylene	11.95	106	117611	20.034	ug/l	99
70) Styrene	11.96	104	190907	20.081	ug/l	99
71) Bromoform	12.13	173	51683	17.407	ug/l #	100
73) Isopropylbenzene	12.25	105	318834	23.298	ug/l	99
74) N-amyl acetate	12.07	43	110307	21.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	94498	22.948	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110374	34.371	ug/l #	100
77) Bromobenzene	12.53	156	81460	21.056	ug/l	97
78) n-propylbenzene	12.59	91	325329	20.646	ug/l	99
79) 2-Chlorotoluene	12.67	91	201241	22.297	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	256800	22.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	23902	17.738	ug/l	93
82) 4-Chlorotoluene	12.77	91	187628	20.256	ug/l	100
83) tert-Butylbenzene	12.99	119	229467	22.809	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	250189	21.763	ug/l	100
85) sec-Butylbenzene	13.17	105	290778	22.527	ug/l	100
86) p-Isopropyltoluene	13.29	119	258753	20.551	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	124253	20.283	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116998	20.088	ug/l	99
89) n-Butylbenzene	13.61	91	186058	19.287	ug/l	100
90) Hexachloroethane	13.87	117	43224	18.036	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	127430	20.850	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14807	18.432	ug/l	99

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Response via : Initial Calibration

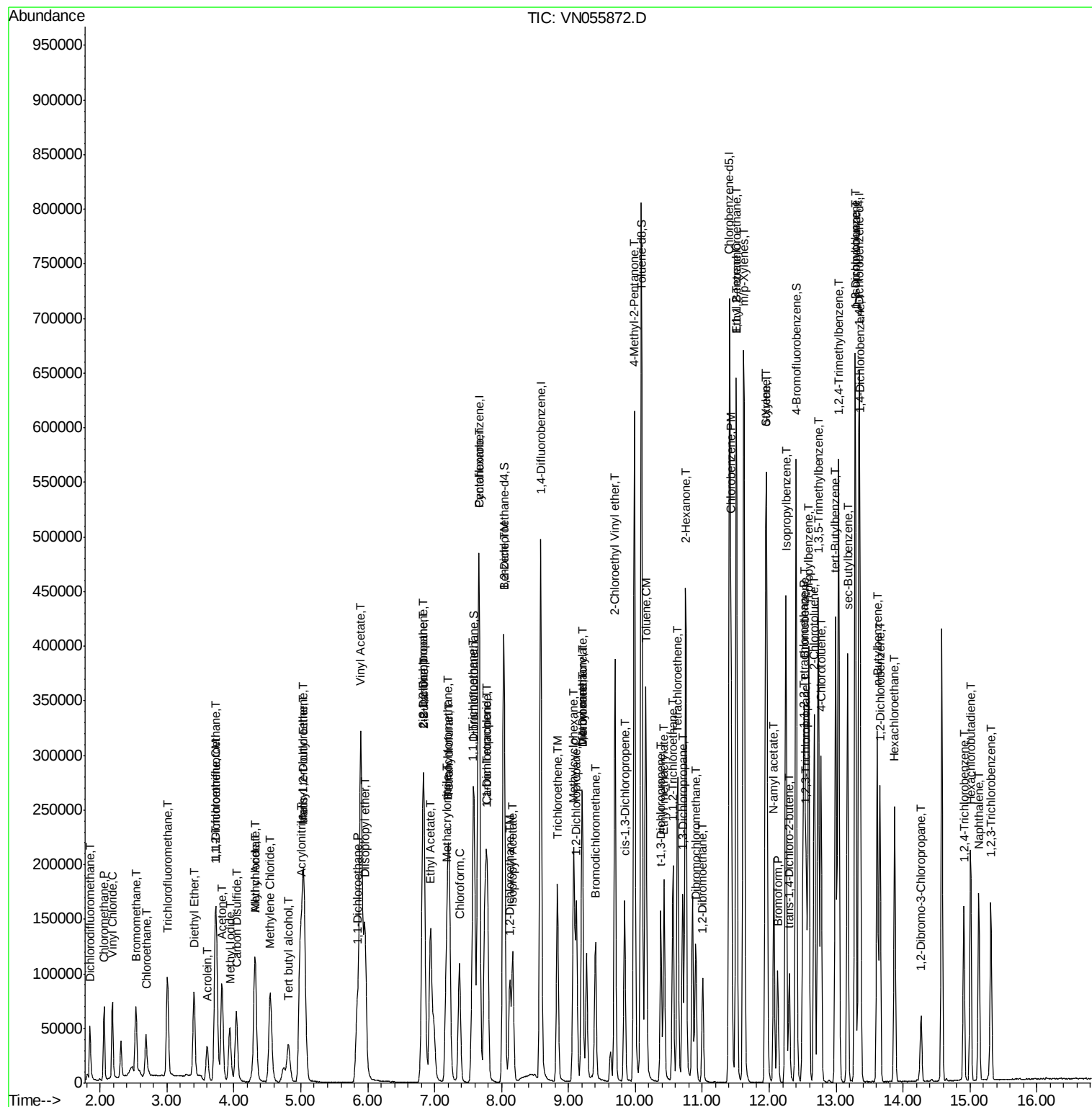
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56028	18.411	ug/l	99
94) Hexachlorobutadiene	15.01	225	48324	21.423	ug/l	99
95) Naphthalene	15.13	128	157523	18.782	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	63095	19.529	ug/l	99

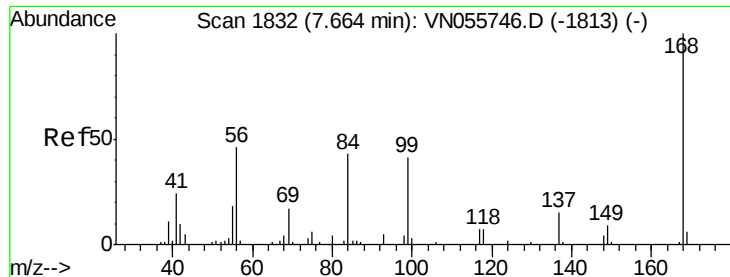
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052919\
Data File : VN055872.D
Acq On : 29 May 2019 12:53
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

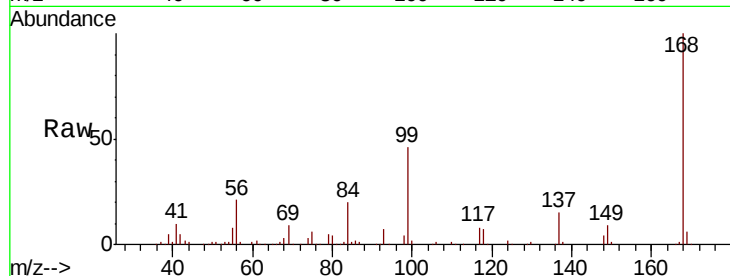
VN0529MBS01

Tot Ion:168 Resp: 345132

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

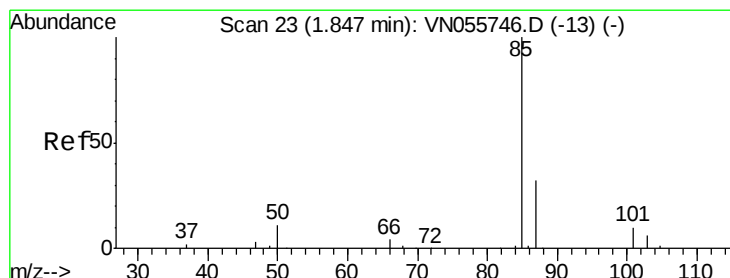
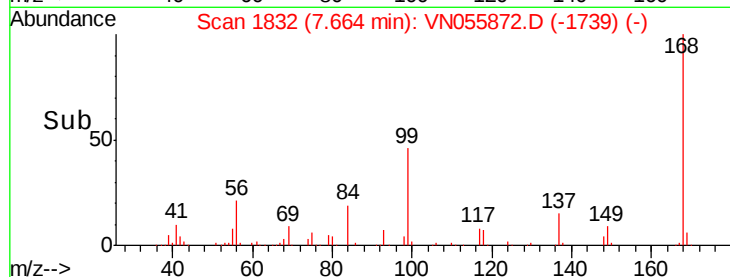
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.286 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055872.D

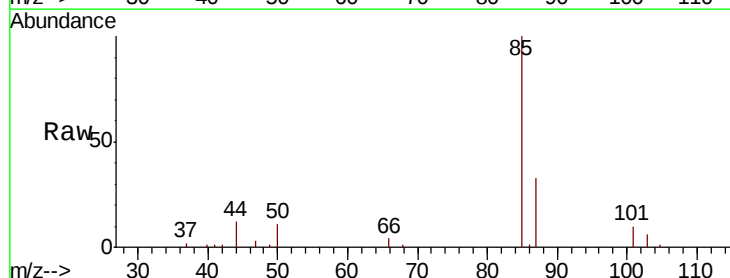
Acq: 29 May 2019 12:53

Tgt Ion: 85 Resp: 42474

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

25000

20000

15000

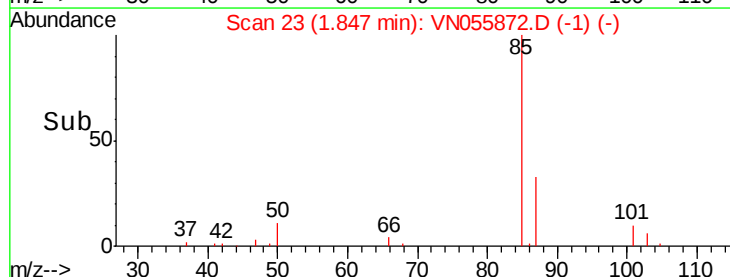
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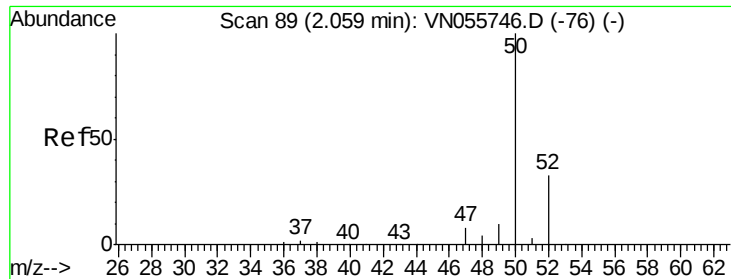
5000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.633 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

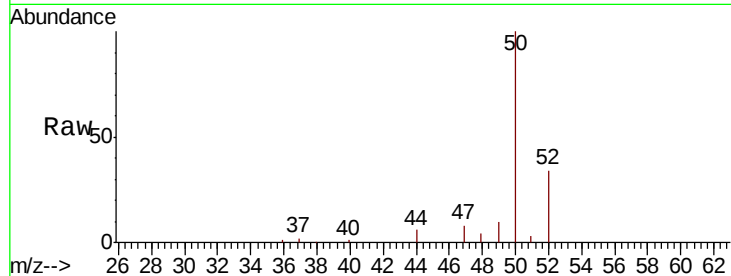
VN0529MBSD01

Tot Ion: 50 Resp: 60640

Ion Ratio Lower Upper

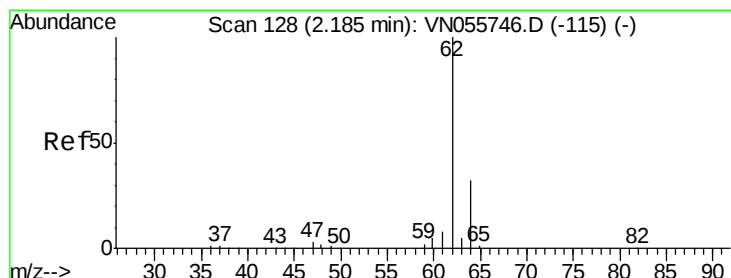
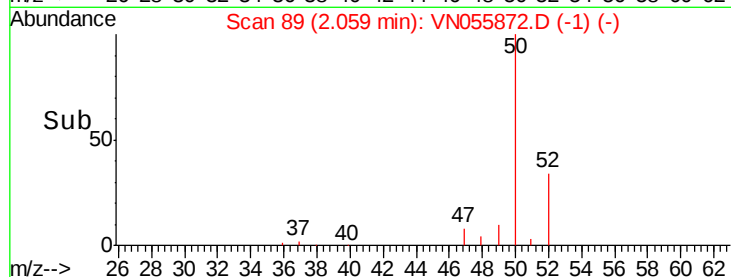
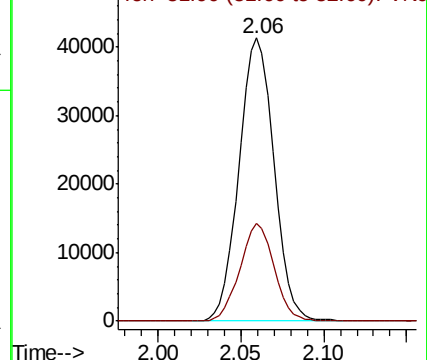
50 100

52 34.4 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.927 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055872.D

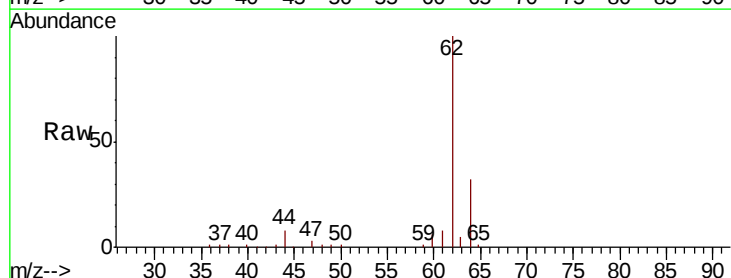
Acq: 29 May 2019 12:53

Tgt Ion: 62 Resp: 65700

Ion Ratio Lower Upper

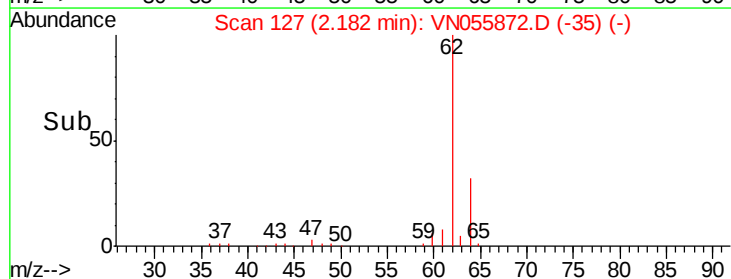
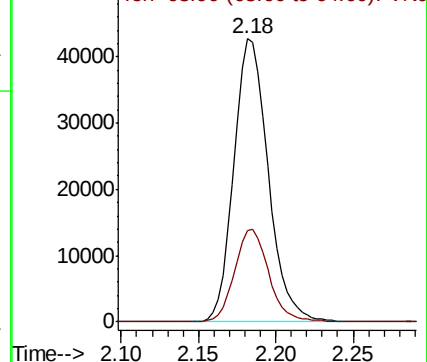
62 100

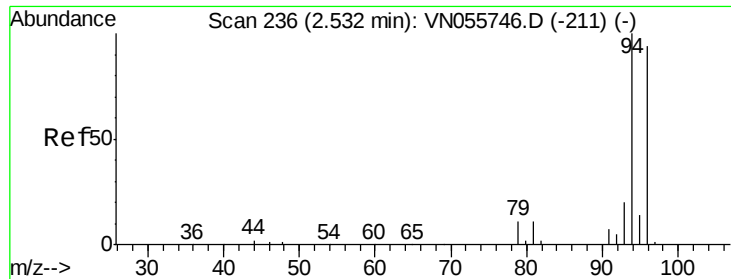
64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

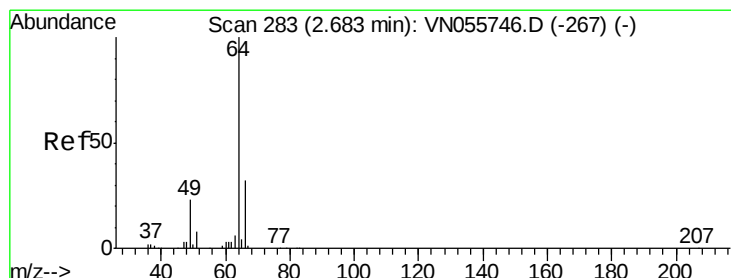
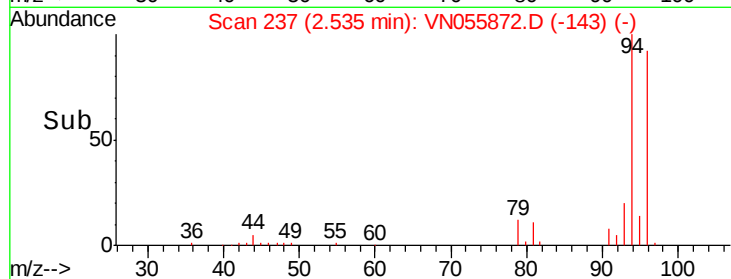
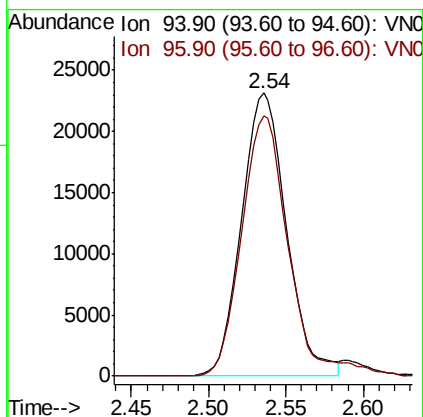
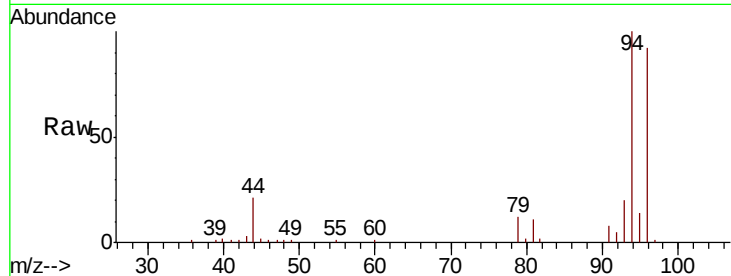




#5
Bromomethane
Concen: 21.581 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

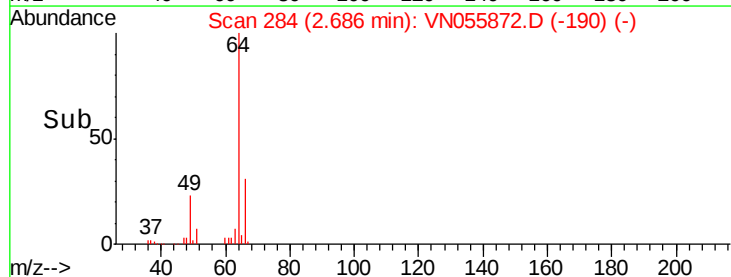
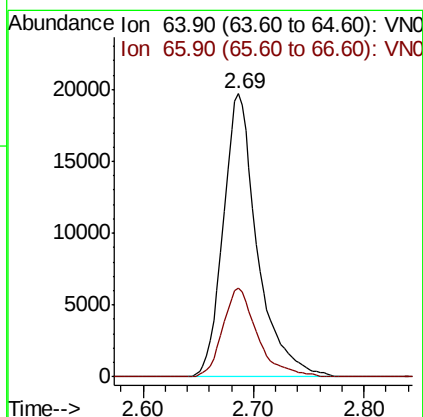
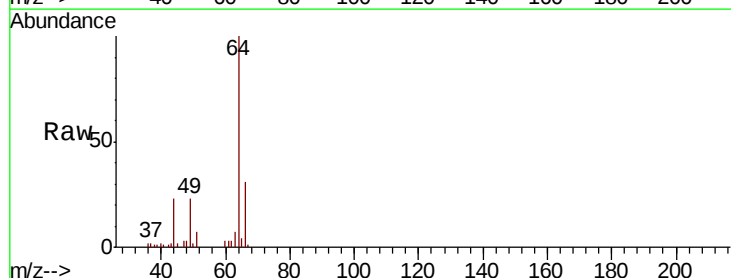
Instrument :
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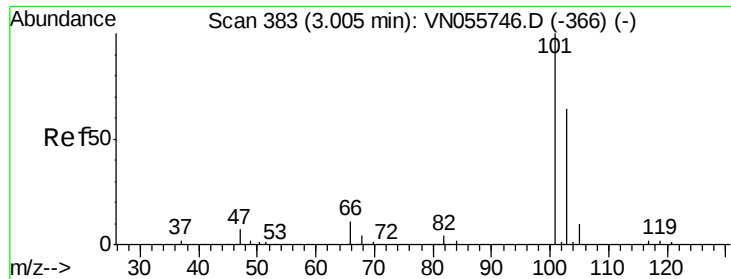
Tot Ion: 94 Resp: 46865
Ion Ratio Lower Upper
94 100
96 91.9 75.5 113.3



#6
Chloroethane
Concen: 20.164 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 64 Resp: 42141
Ion Ratio Lower Upper
64 100
66 31.4 25.4 38.0



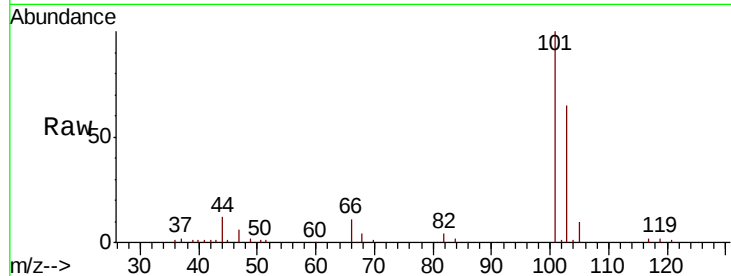


#7

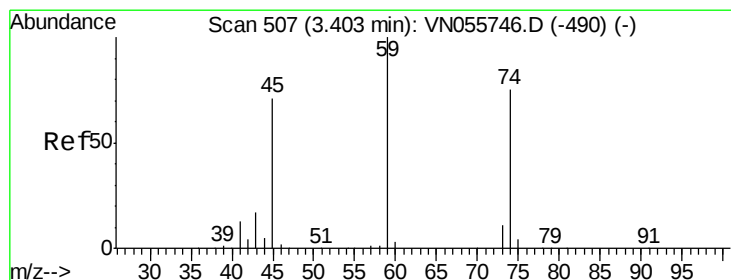
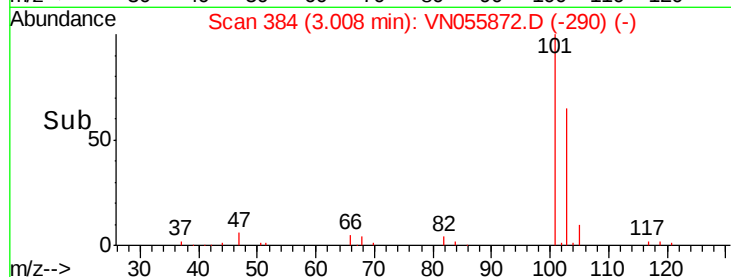
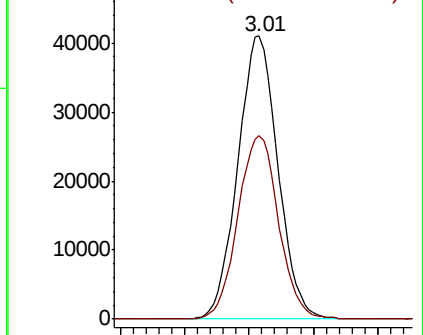
Trichlorofluoromethane
 Concen: 19.535 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion:101 Resp: 88900
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.2 76.8



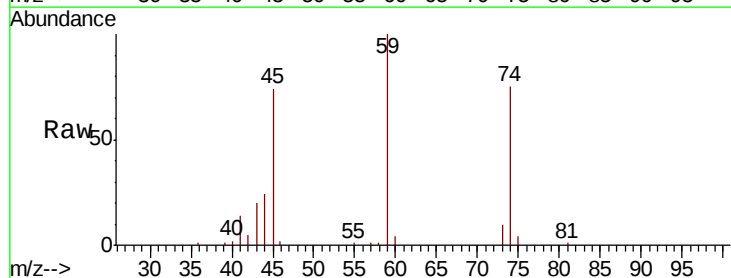
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



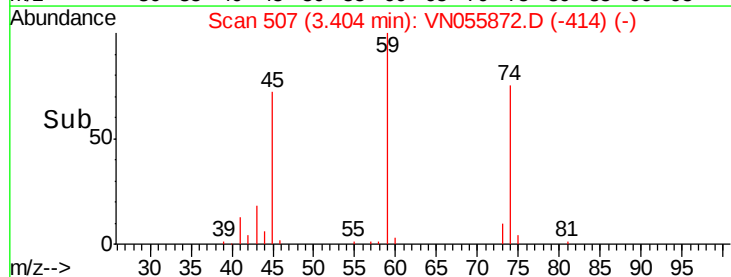
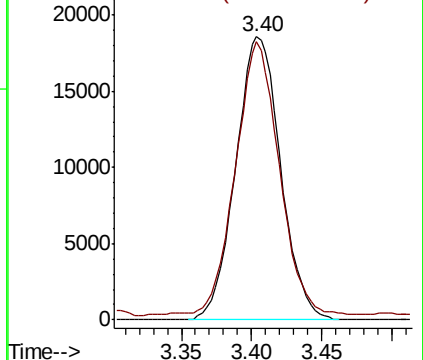
#8

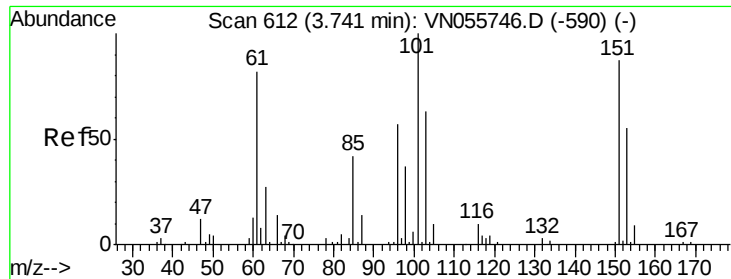
Diethyl Ether
 Concen: 20.270 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion: 74 Resp: 41344
 Ion Ratio Lower Upper
 74 100
 45 93.2 48.6 145.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.602 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

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VN0529MBSD01

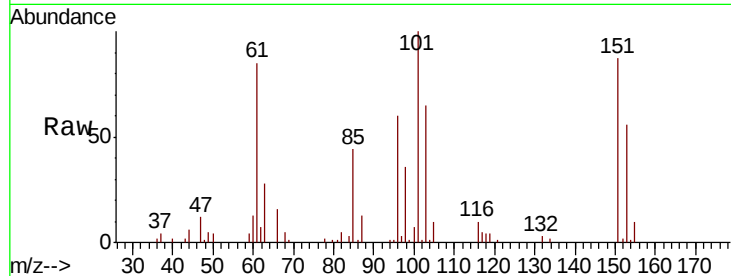
Tot Ion:101 Resp: 55684

Ion Ratio Lower Upper

101 100

85 43.0 33.4 50.2

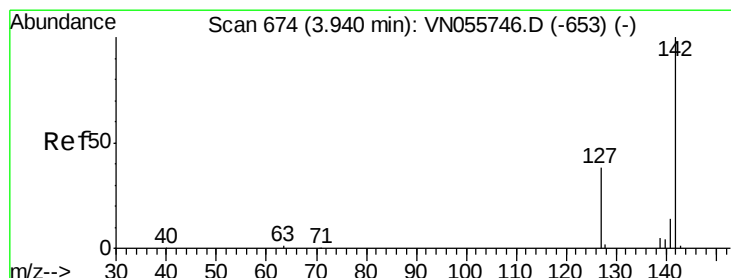
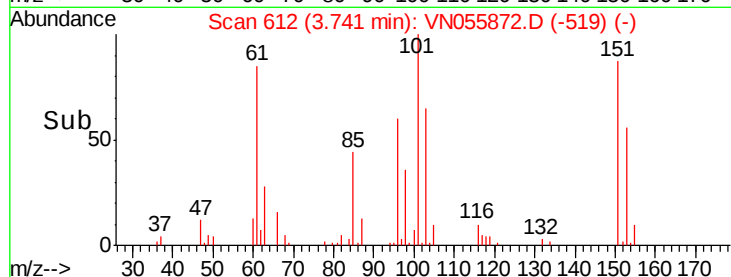
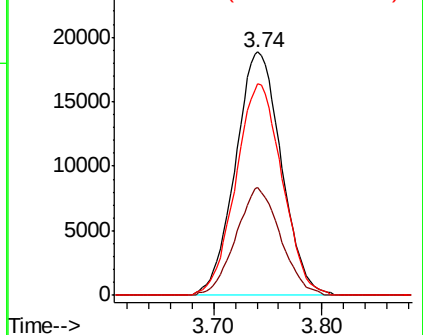
151 87.7 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.144 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

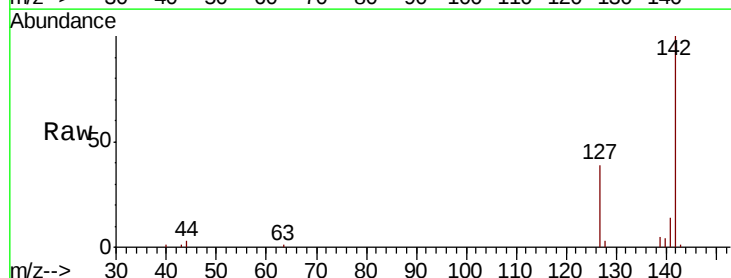
Tgt Ion:142 Resp: 83663

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

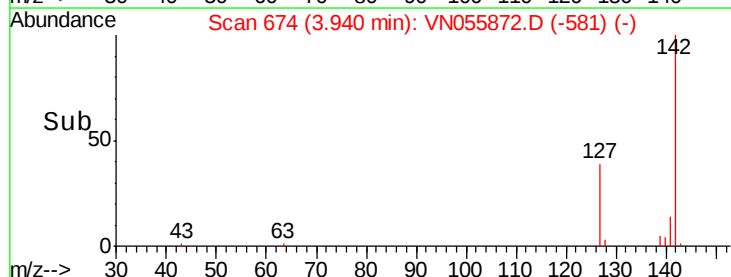
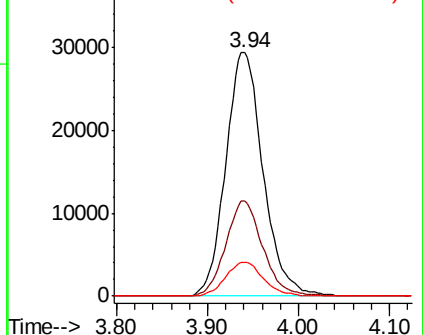
141 13.9 11.4 17.0

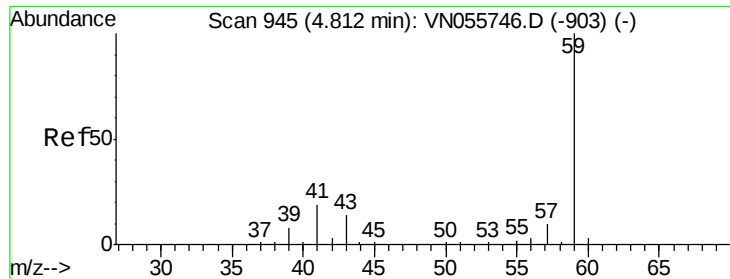


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



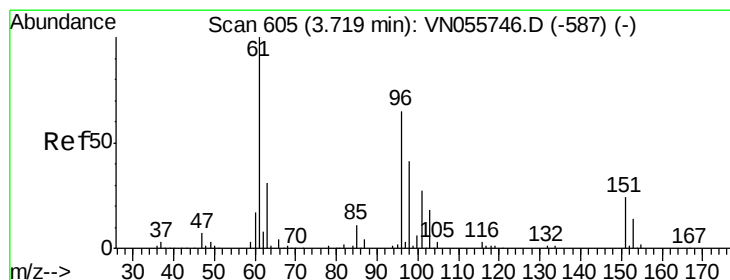
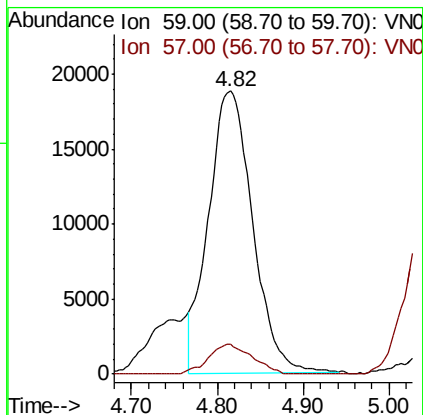
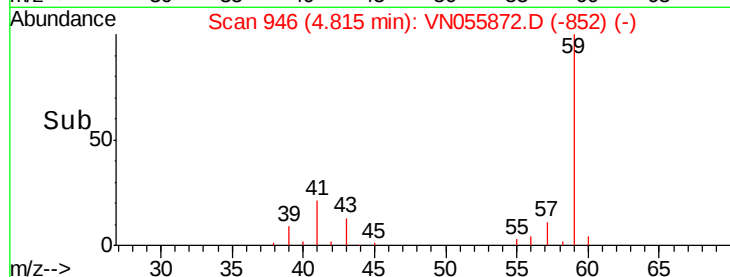
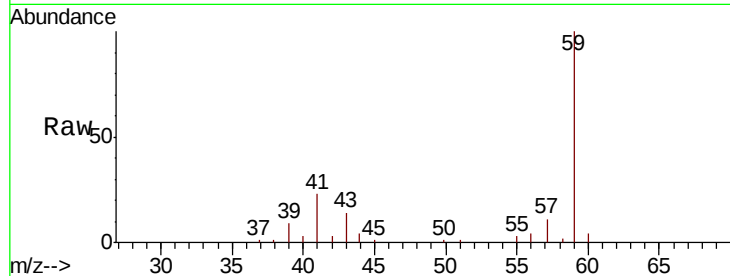


#11

Tert butyl alcohol
 Concen: 98.511 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

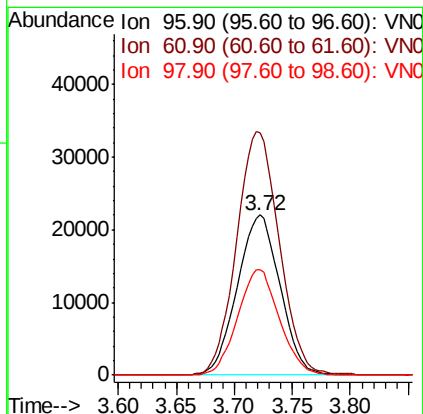
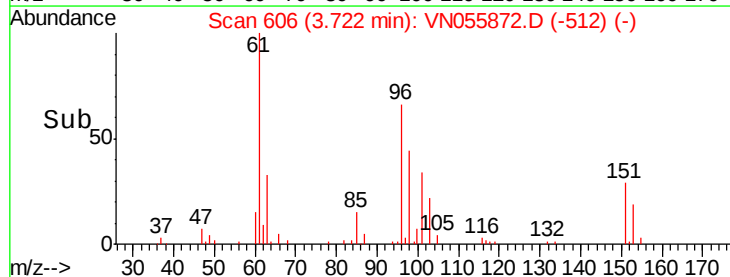
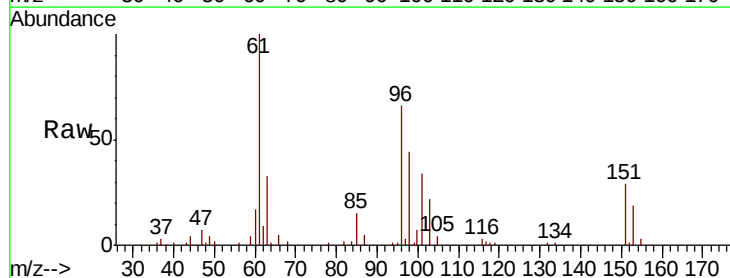
Tot Ion: 59 Resp: 67087
 Ion Ratio Lower Upper
 59 100
 57 10.5 7.8 11.6

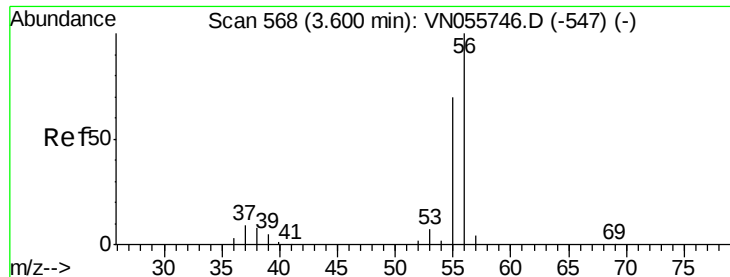


#12

1,1-Dichloroethene
 Concen: 19.162 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion: 96 Resp: 56245
 Ion Ratio Lower Upper
 96 100
 61 151.5 123.2 184.8
 98 66.2 50.4 75.6





#13

Acrolein

Concen: 77.060 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

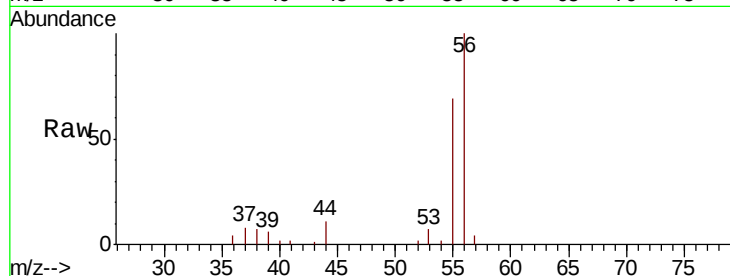
VN0529MBSD01

Tot Ion: 56 Resp: 37577

Ion Ratio Lower Upper

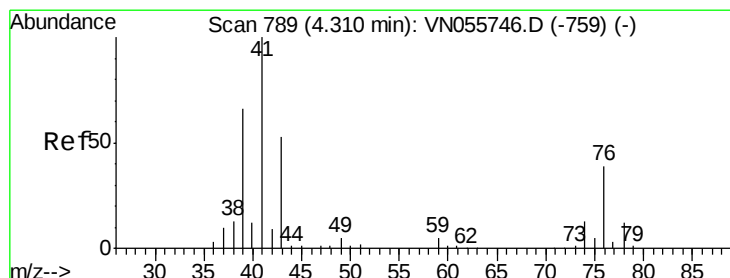
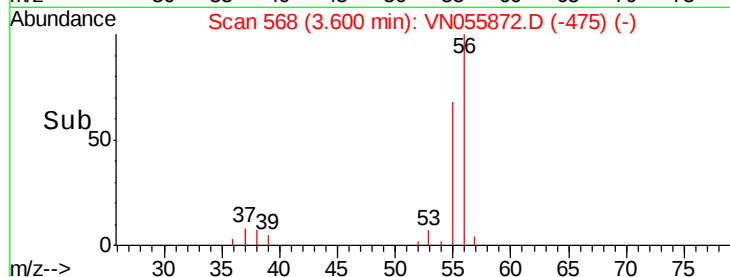
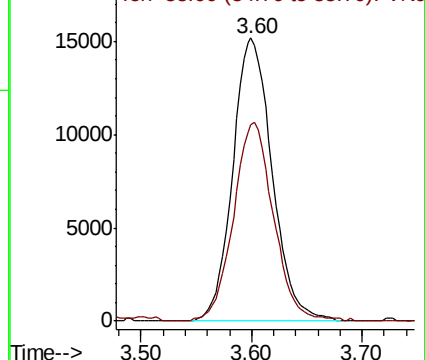
56 100

55 71.3 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.868 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

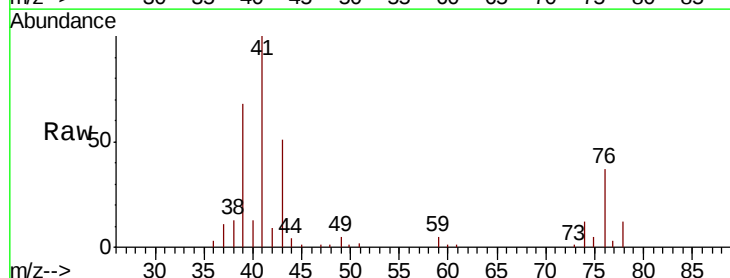
Tgt Ion: 41 Resp: 94944

Ion Ratio Lower Upper

41 100

39 64.3 50.0 75.0

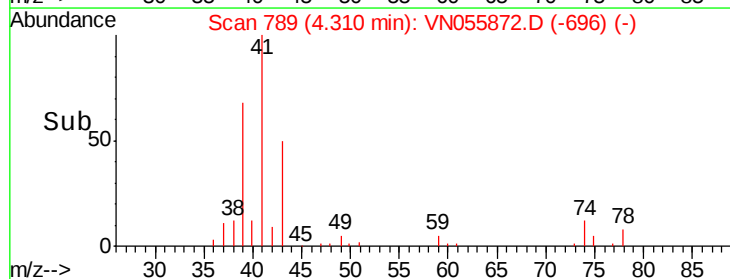
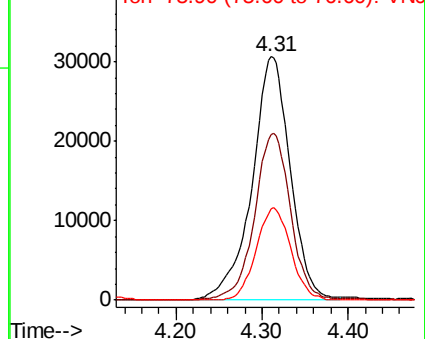
76 34.3 28.2 42.2

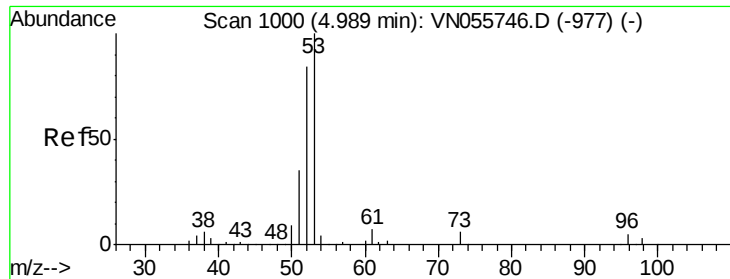


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.982 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

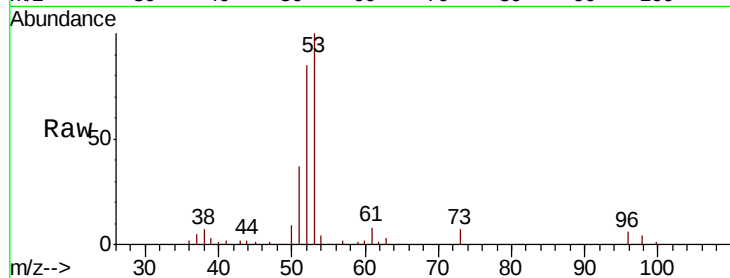
Tot Ion: 53 Resp: 161040

Ion Ratio Lower Upper

53 100

52 81.9 65.8 98.8

51 35.4 28.2 42.4



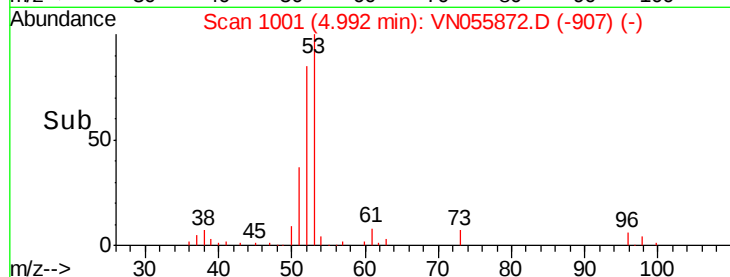
Abundance Ion 53.00 (52.70 to 53.70): VN055872.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055872.D (-907) (-)

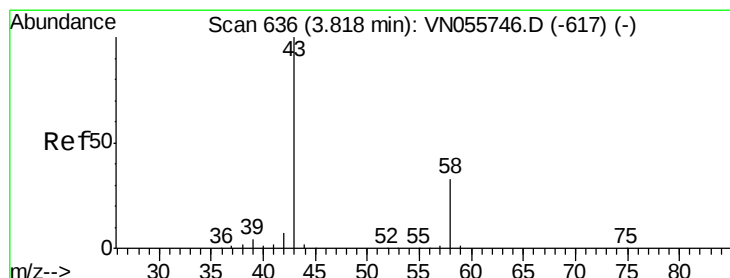
Ion 51.00 (50.70 to 51.70): VN055872.D (-907) (-)

4.99

Time-->



Time-->



#16

Acetone

Concen: 96.536 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055872.D

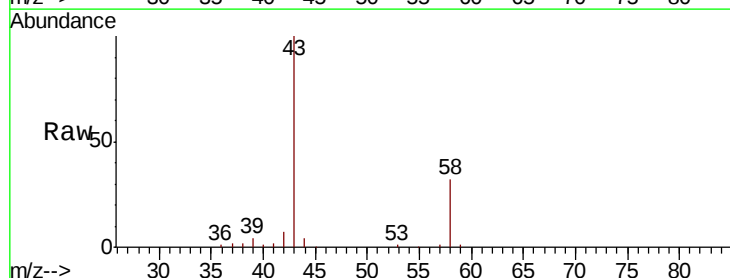
Acq: 29 May 2019 12:53

Tgt Ion: 43 Resp: 151249

Ion Ratio Lower Upper

43 100

58 32.1 26.6 39.8

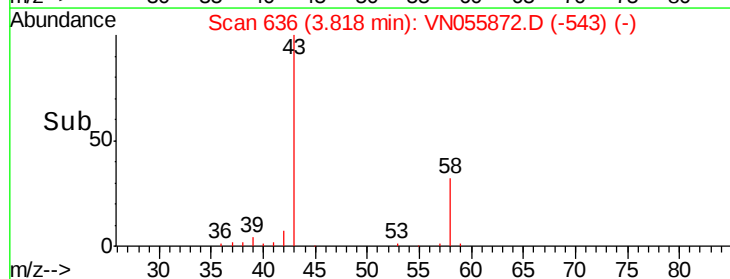


Abundance Ion 43.00 (42.70 to 43.70): VN055872.D (-543) (-)

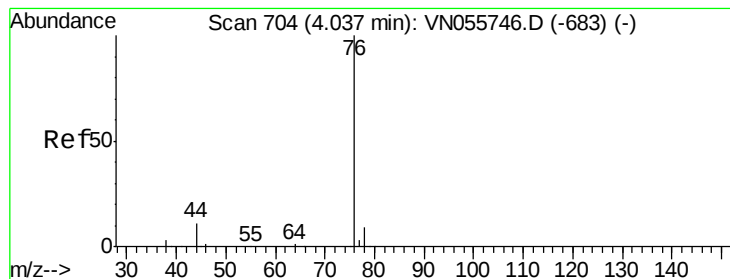
Ion 58.00 (57.70 to 58.70): VN055872.D (-543) (-)

3.82

Time-->



Time-->



#17

Carbon Disulfide

Concen: 16.217 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

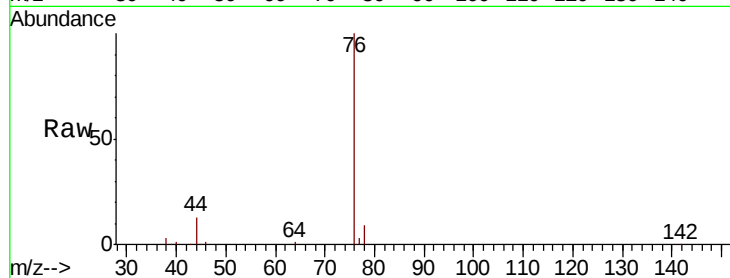
VN0529MBSD01

Tot Ion: 76 Resp: 135242

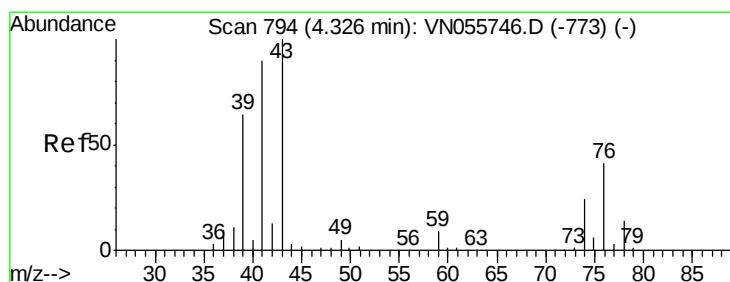
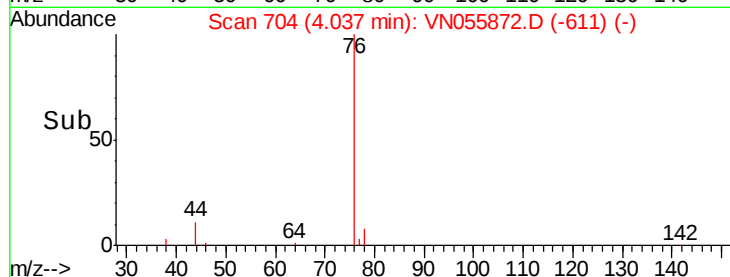
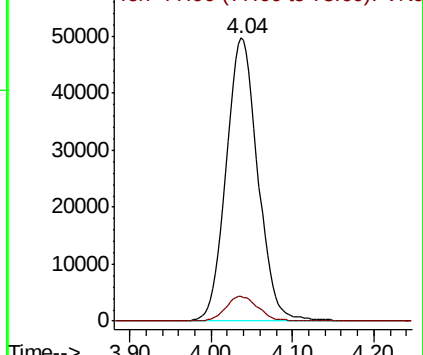
Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VNC
Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.914 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055872.D

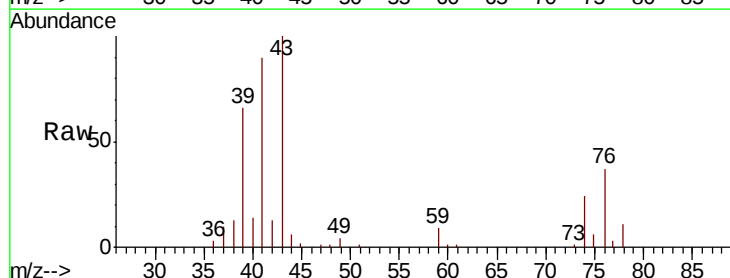
Acq: 29 May 2019 12:53

Tgt Ion: 43 Resp: 72061

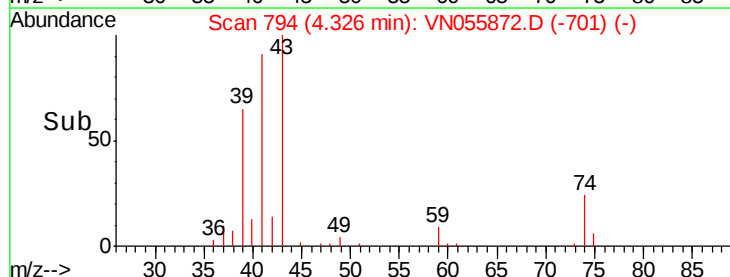
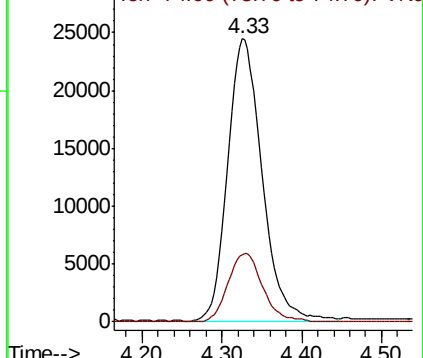
Ion Ratio Lower Upper

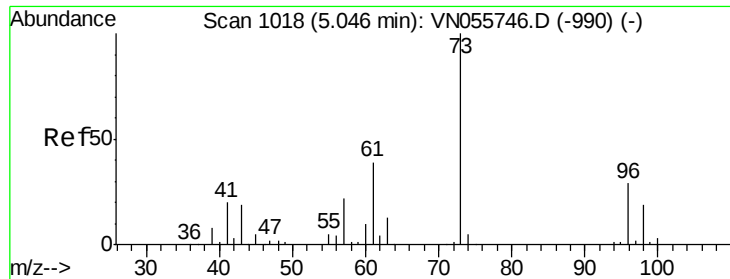
43 100

74 24.0 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 74.00 (73.70 to 74.70): VNC



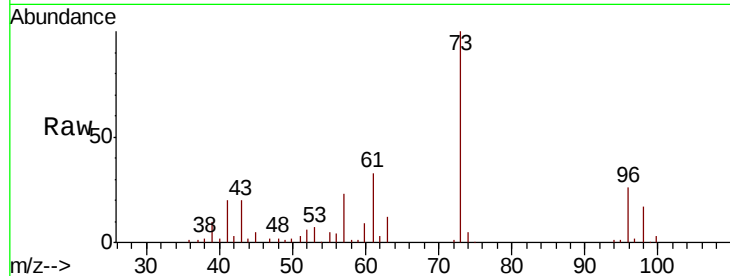


#19

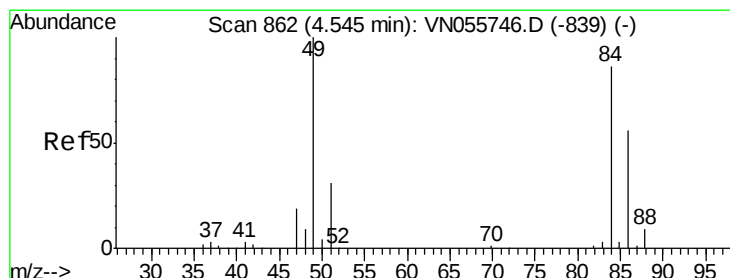
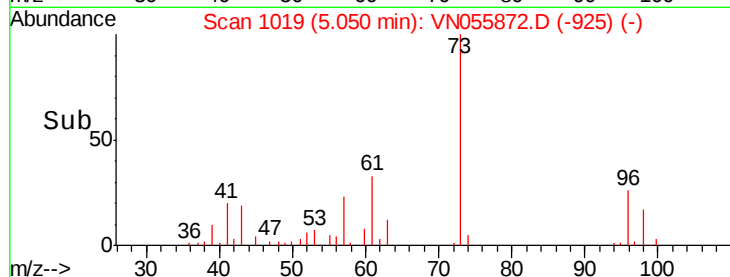
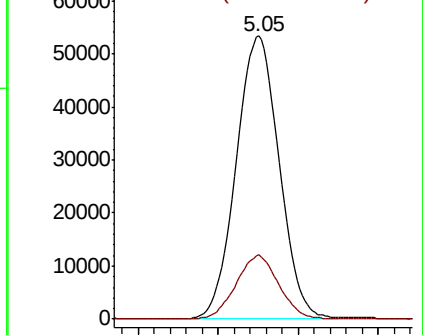
Methyl tert-butyl Ether
 Concen: 19.974 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

Tot Ion: 73 Resp: 195539
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.8 26.8



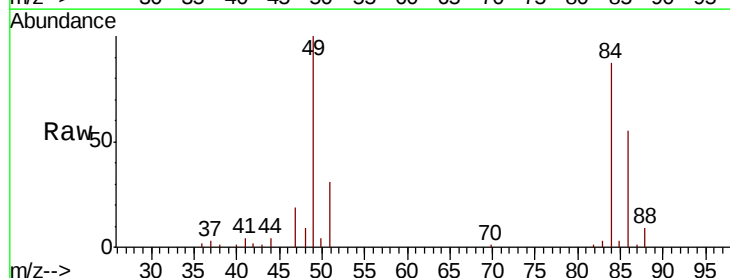
Abundance Ion 73.00 (72.70 to 73.70): VN055746.D (-990) (-)
 Ion 57.00 (56.70 to 57.70): VN055746.D (-990) (-)



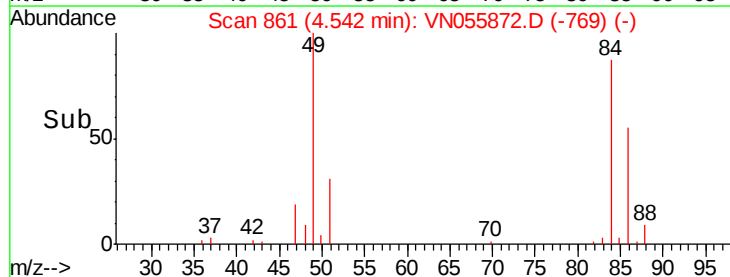
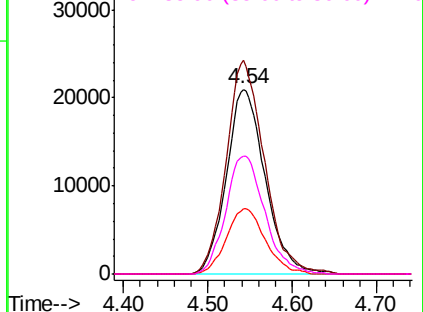
#20

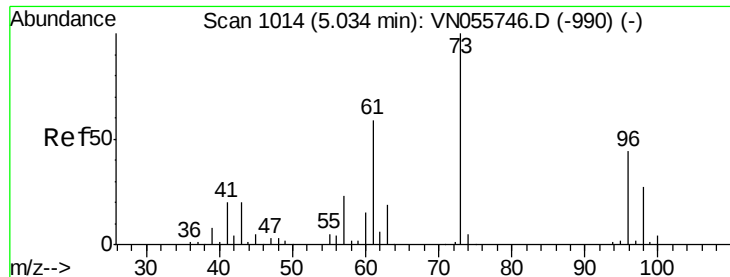
Methylene Chloride
 Concen: 19.750 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion: 84 Resp: 67013
 Ion Ratio Lower Upper
 84 100
 49 115.5 93.5 140.3
 51 35.5 28.6 43.0
 86 63.9 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN055746.D (-839) (-)
 Ion 48.90 (48.60 to 49.60): VN055746.D (-839) (-)
 Ion 50.90 (50.60 to 51.60): VN055746.D (-839) (-)
 Ion 85.90 (85.60 to 86.60): VN055746.D (-839) (-)

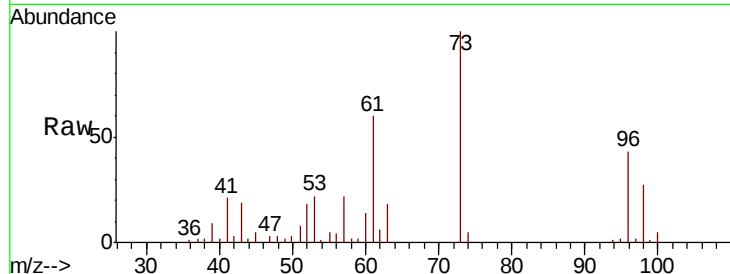




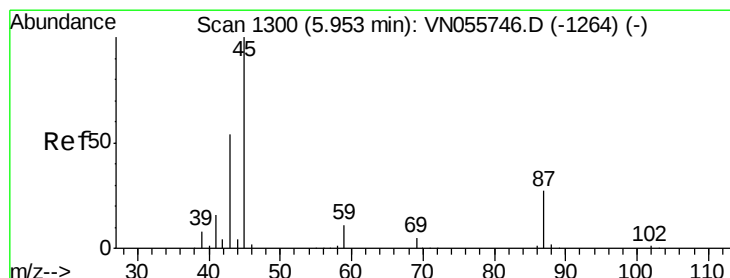
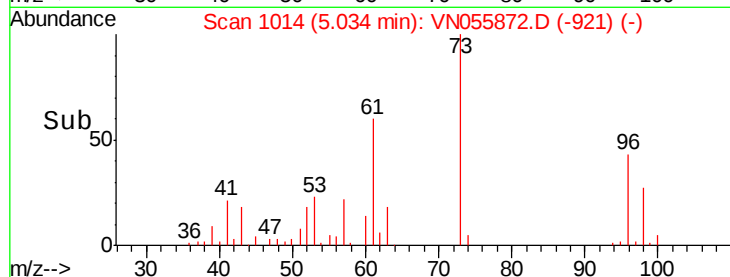
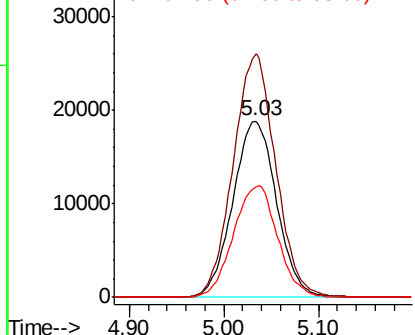
#21
trans-1,2-Dichloroethene
Concen: 19.239 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion: 96 Resp: 60670
Ion Ratio Lower Upper
96 100
61 138.5 107.8 161.8
98 63.0 49.8 74.8

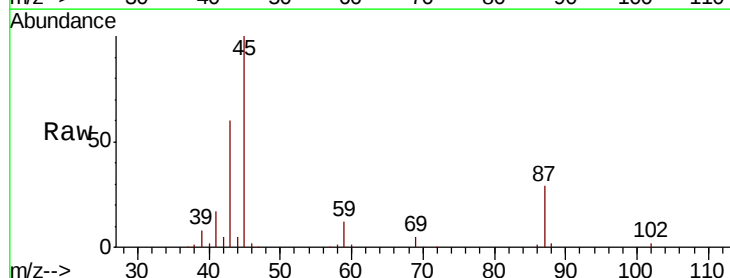


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

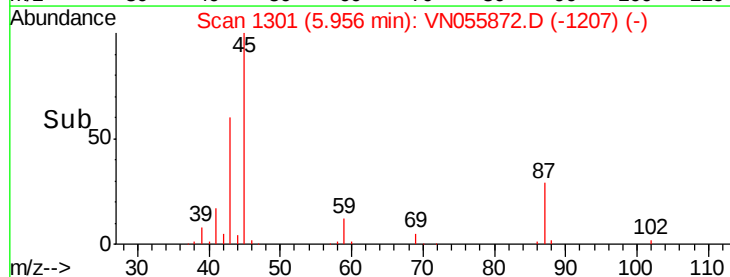
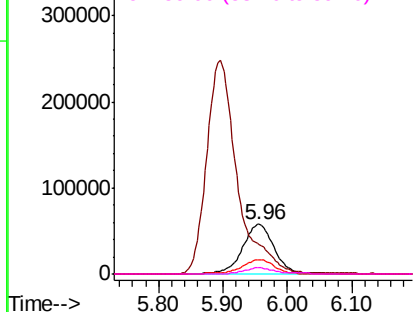


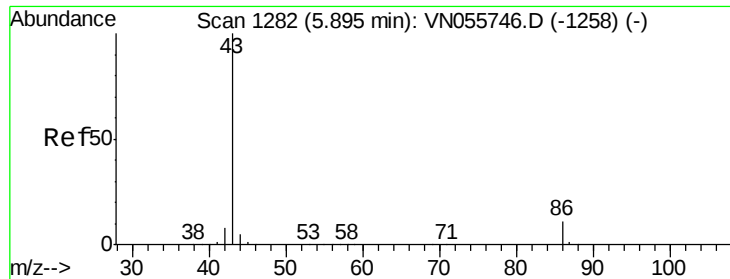
#22
Diisopropyl ether
Concen: 20.178 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 45 Resp: 197475
Ion Ratio Lower Upper
45 100
43 57.6 45.0 67.6
87 28.2 22.2 33.4
59 11.7 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: 98.338 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleID :

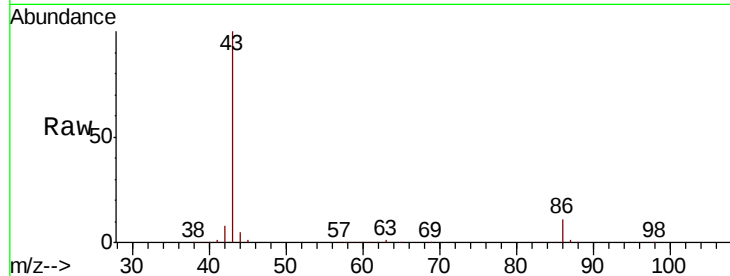
VN0529MBSD01

Tot Ion: 43 Resp: 825165

Ion Ratio Lower Upper

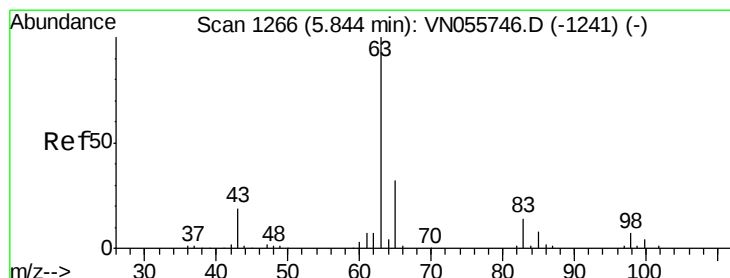
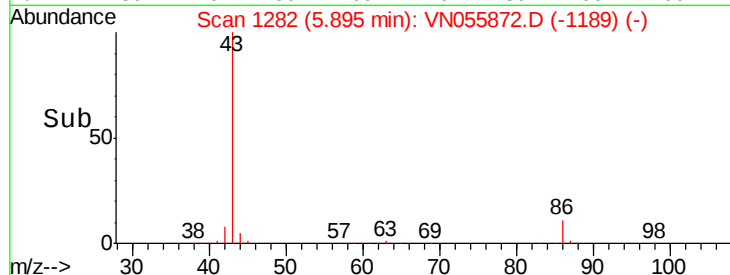
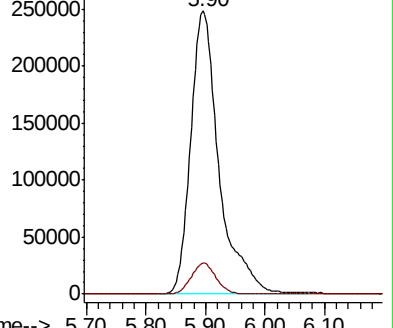
43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055872.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN055872.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 19.489 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

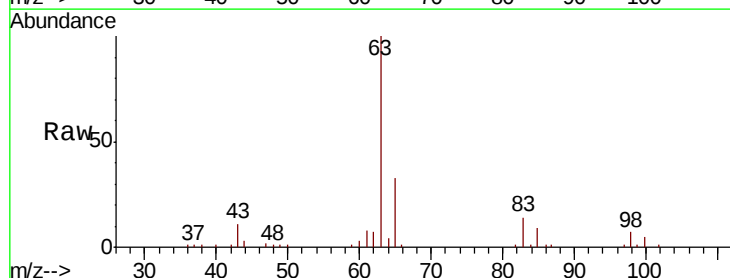
Tgt Ion: 63 Resp: 111053

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

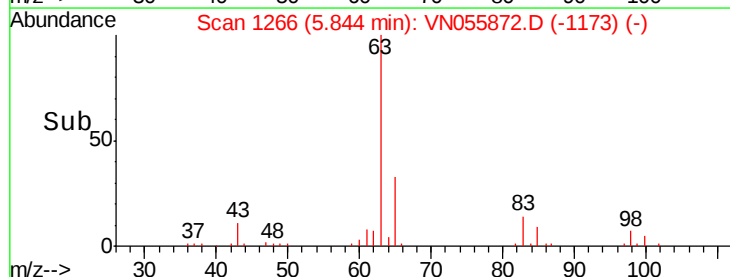
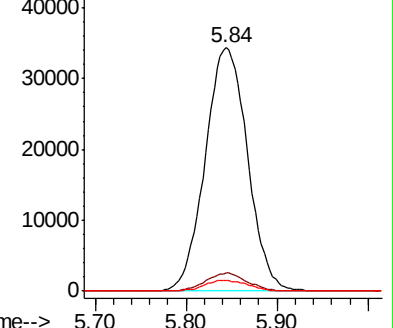
100 4.5 2.2 6.6

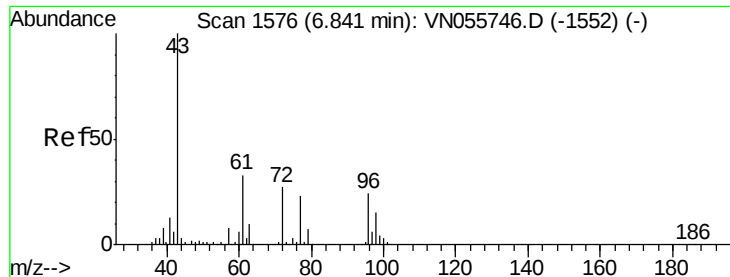


Abundance Ion 62.90 (62.60 to 63.60): VN055872.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN055872.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN055872.D (-1173) (-)

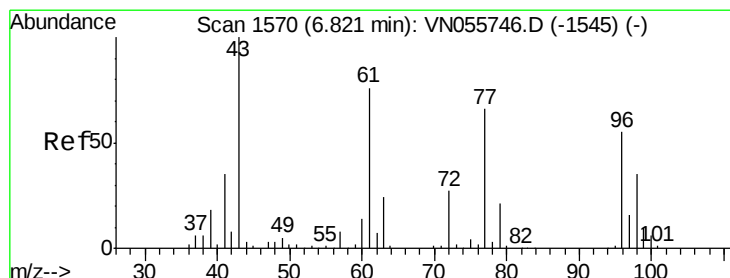
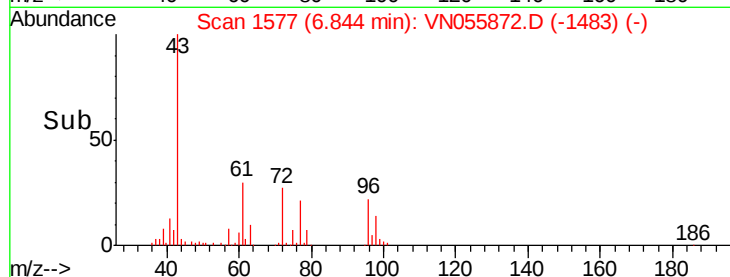
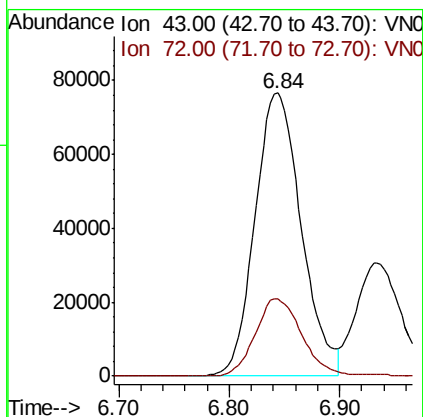
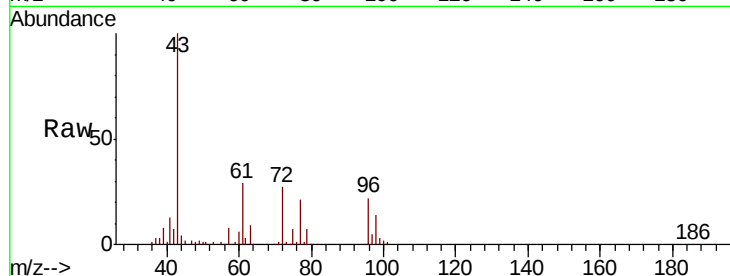




#25
2-Butanone
Concen: 101.960 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

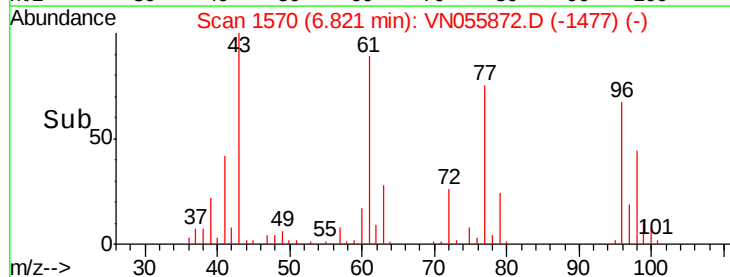
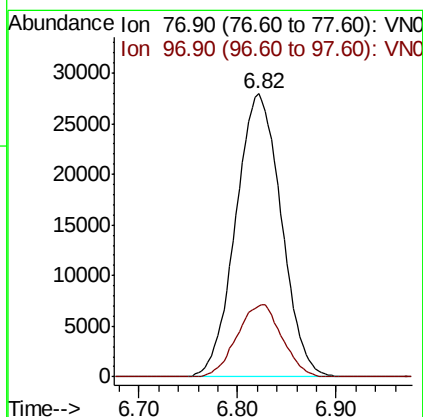
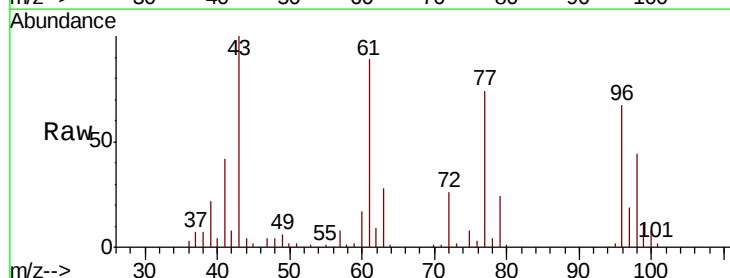
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

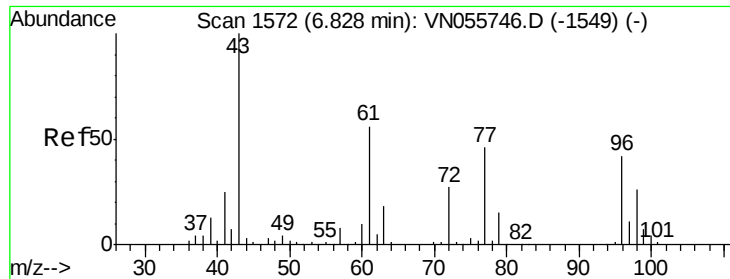
Tot Ion: 43 Resp: 223100
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9



#26
2,2-Dichloropropane
Concen: 18.085 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 77 Resp: 89188
Ion Ratio Lower Upper
77 100
97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.040 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

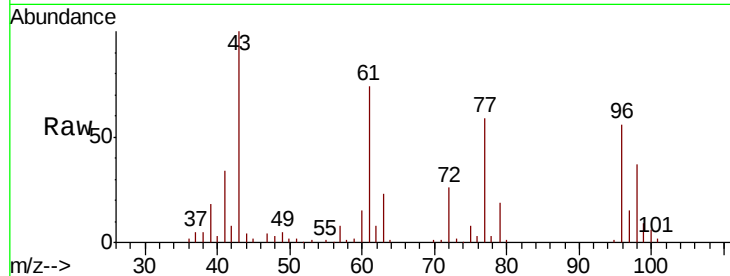
Tot Ion: 96 Resp: 73729

Ion Ratio Lower Upper

96 100

61 137.5 0.0 275.8

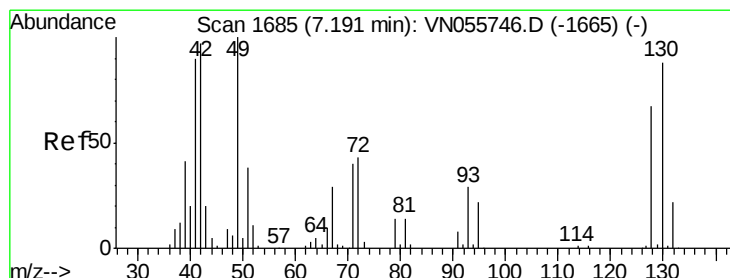
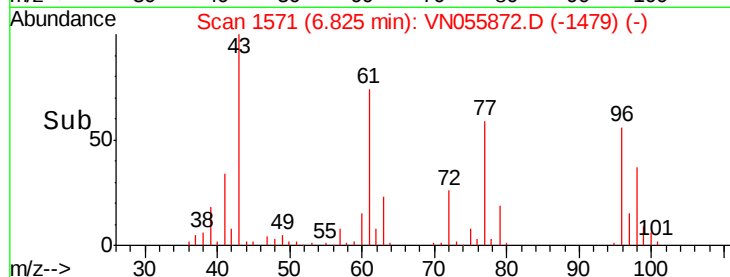
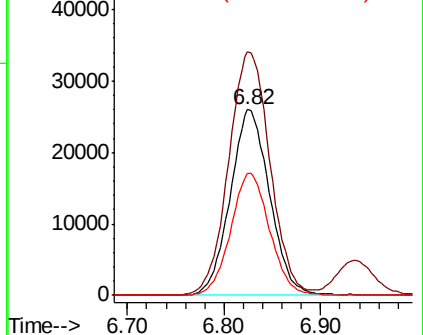
98 64.6 0.0 128.4



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: 21.273 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

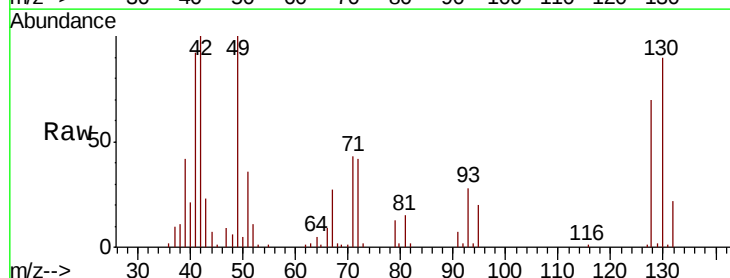
Tgt Ion: 49 Resp: 57713

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

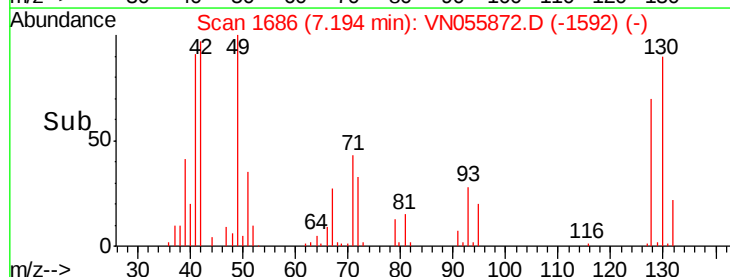
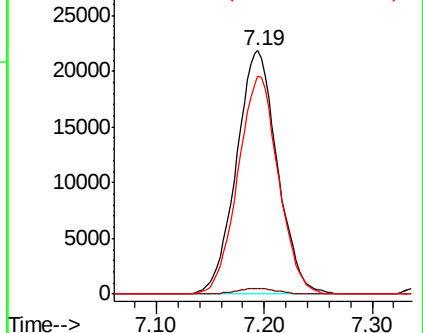
130 88.4 71.2 106.8

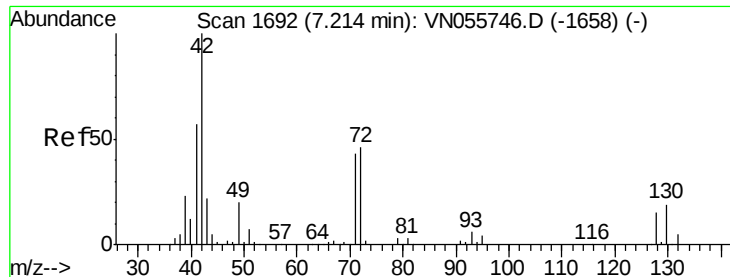


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

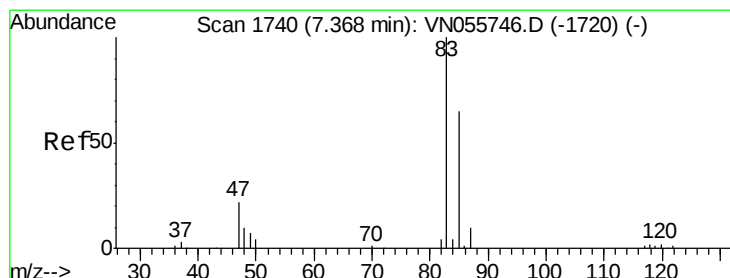
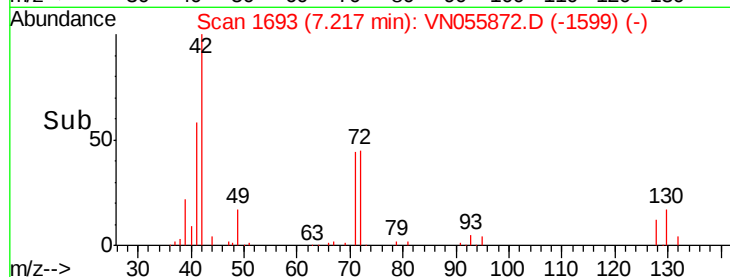
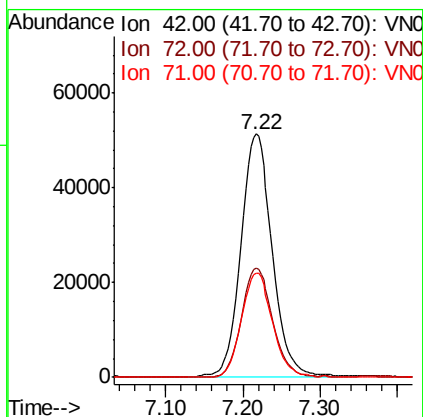
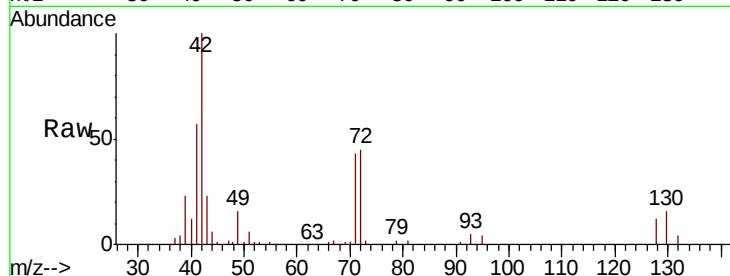




#29
Tetrahydrofuran
Concen: 104.466 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

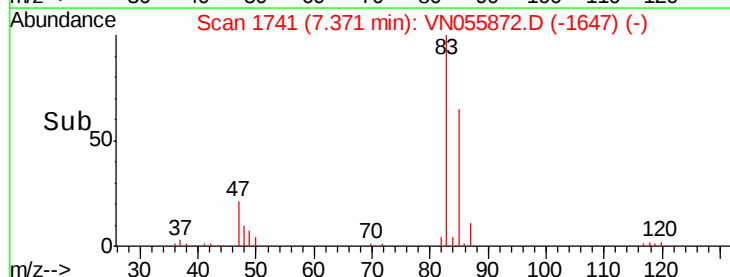
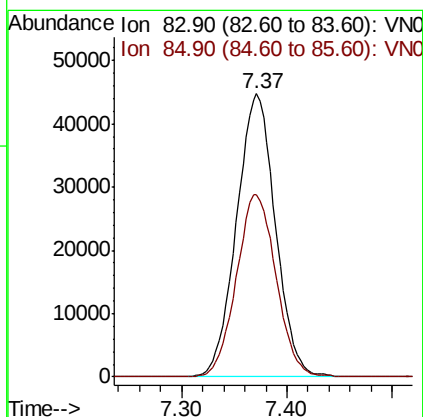
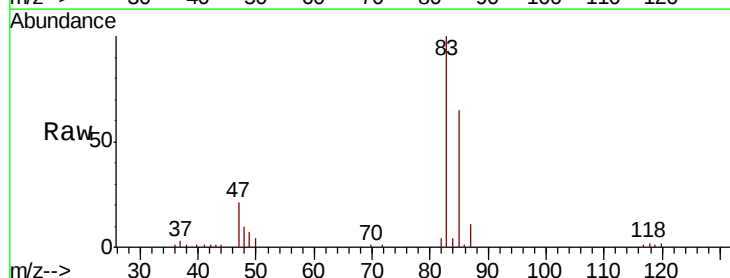
Instrument :
MSVOA_N
ClientSampled :
VN0529MBSD01

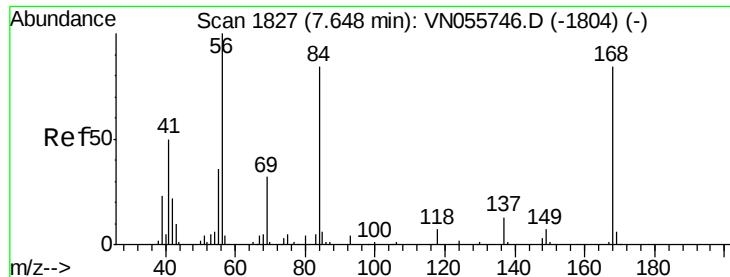
Tot Ion: 42 Resp: 144755
Ion Ratio Lower Upper
42 100
72 44.5 35.9 53.9
71 42.4 34.0 51.0



#30
Chloroform
Concen: 20.165 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 83 Resp: 114594
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.8

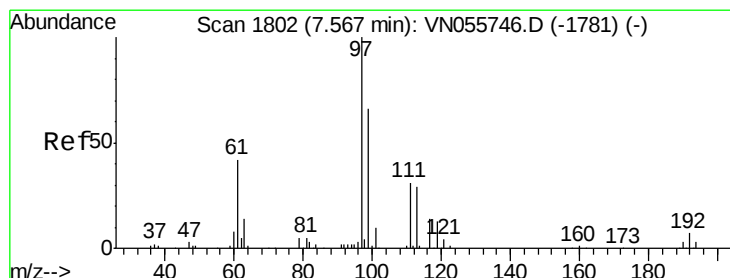
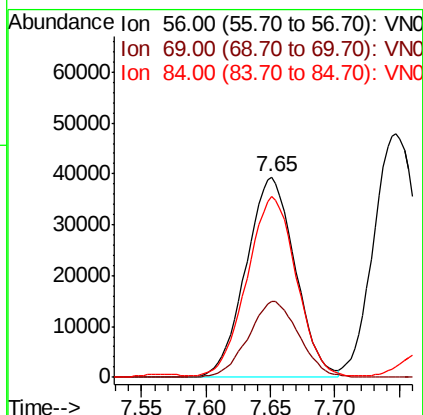
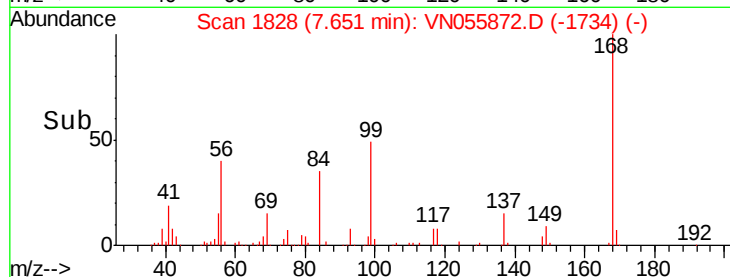
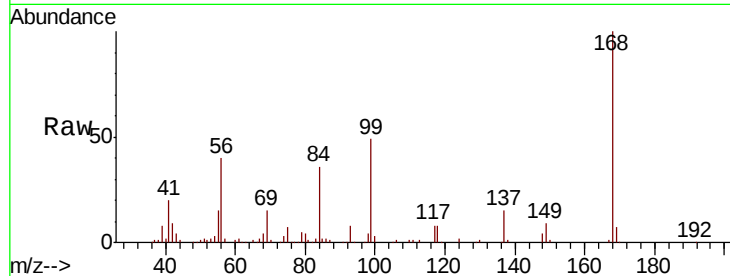




#31
Cyclohexane
Concen: 19.560 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

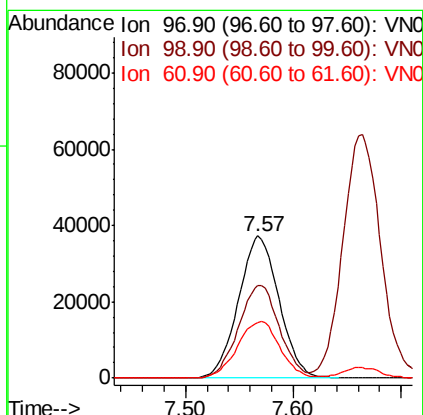
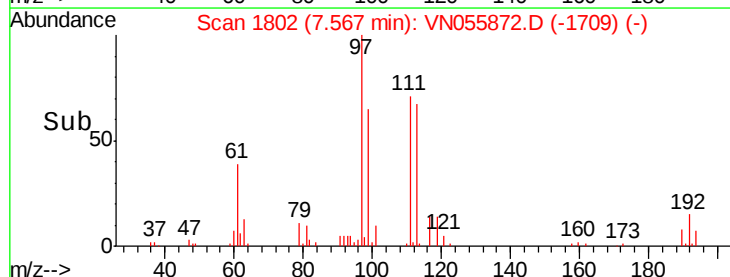
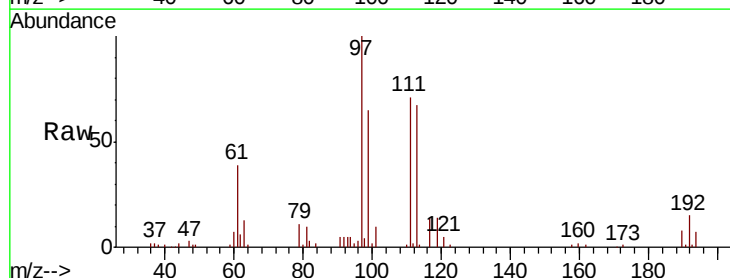
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

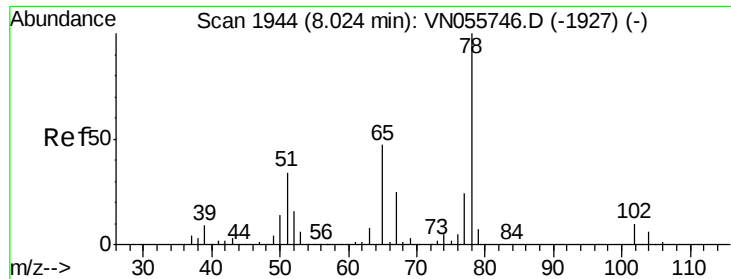
Tot Ion: 56 Resp: 104641
Ion Ratio Lower Upper
56 100
69 37.8 25.6 38.4
84 89.2 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 19.218 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 97 Resp: 97454
Ion Ratio Lower Upper
97 100
99 65.6 52.0 78.0
61 41.6 32.9 49.3

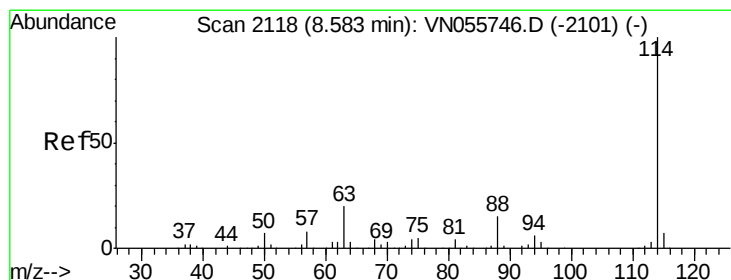
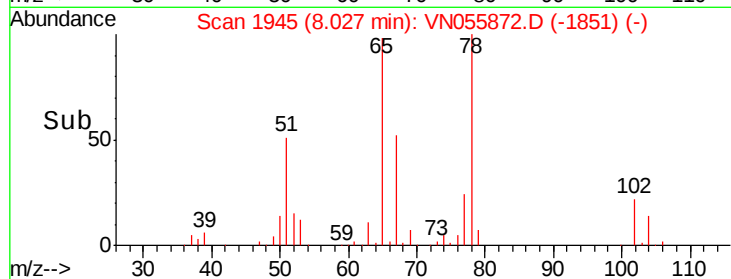
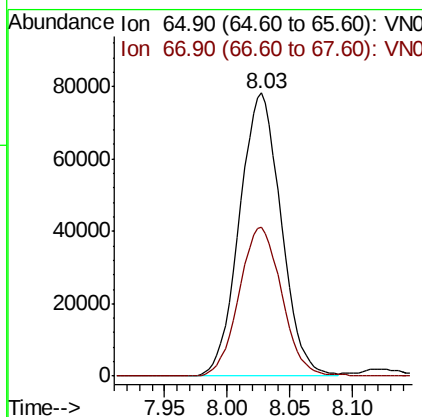
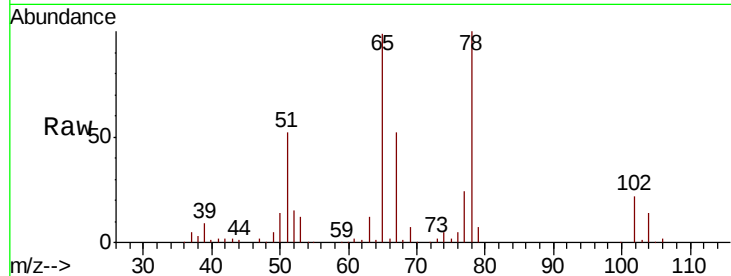




#33
 1,2-Dichloroethane-d4
 Concen: 50.731 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

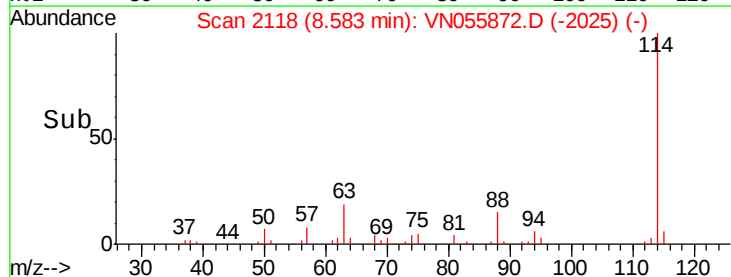
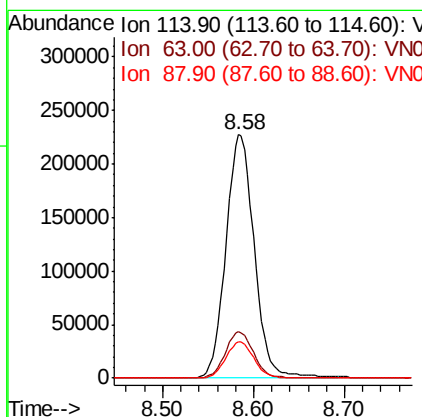
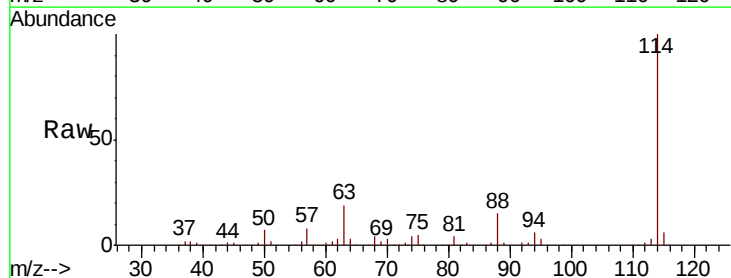
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

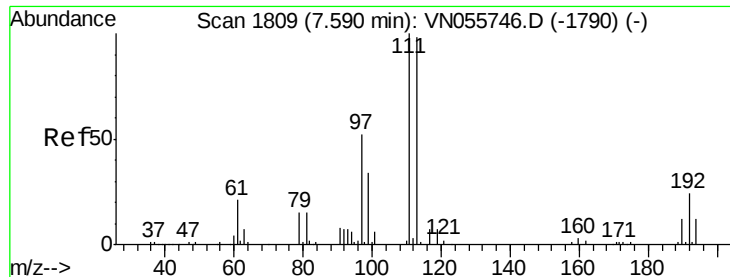
Tot Ion: 65 Resp: 180818
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion: 114 Resp: 493191
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 14.9 0.0 31.0

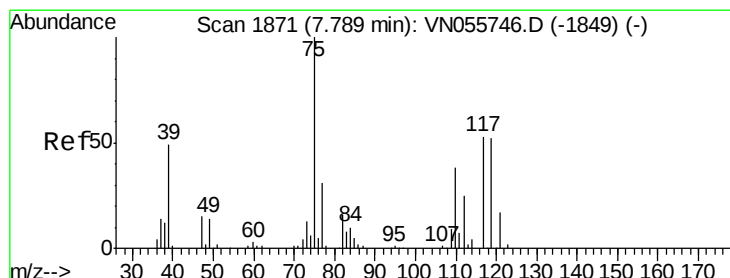
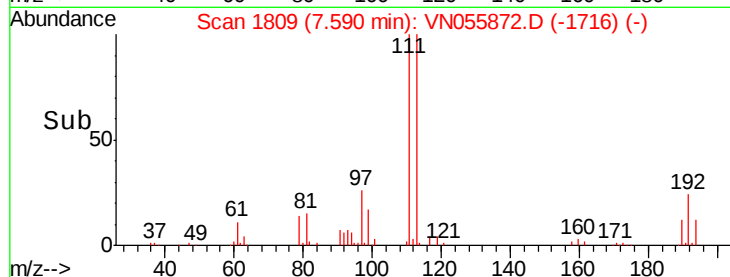
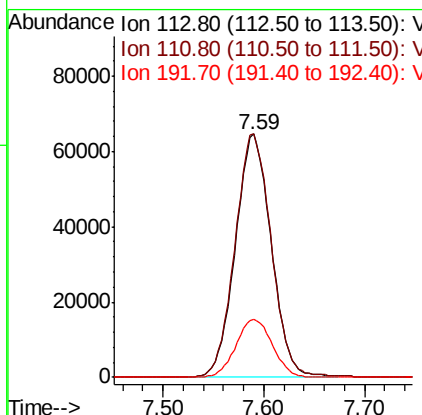
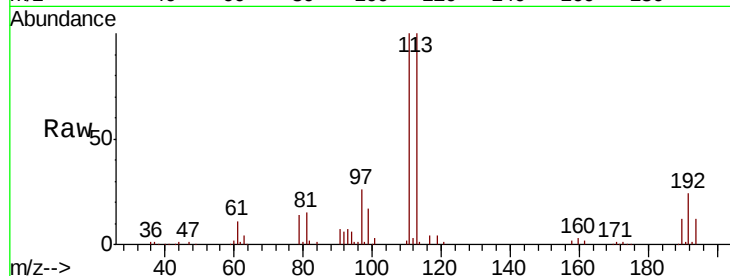




#35
 Dibromofluoromethane
 Concen: 51.056 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

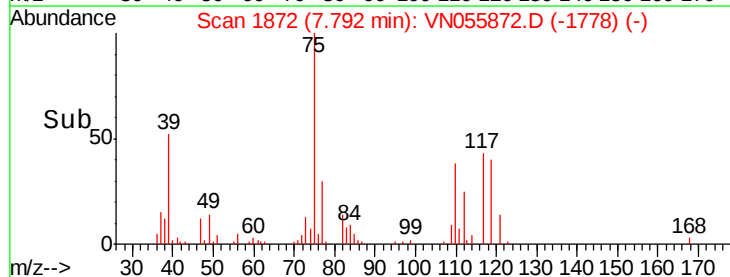
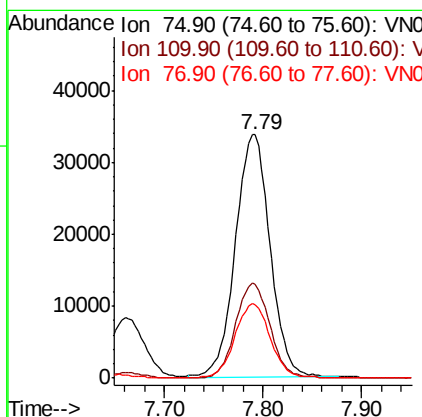
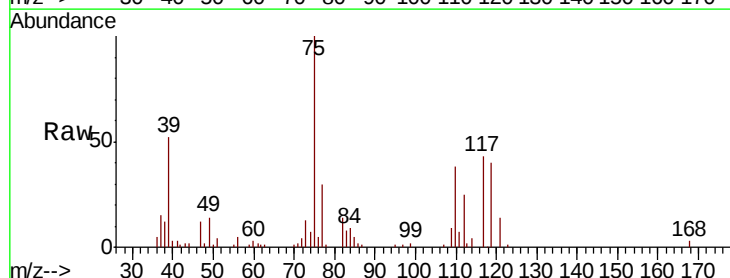
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

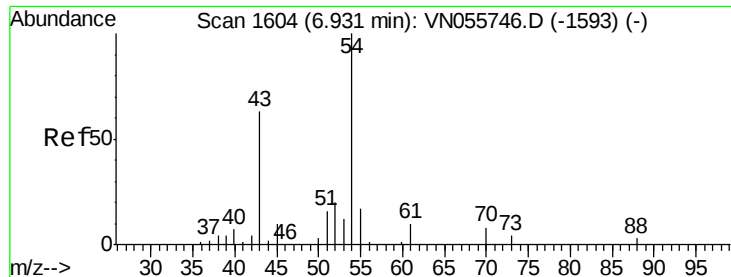
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	24.3	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 19.116 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.0	57.0
77	31.4	25.1	37.7

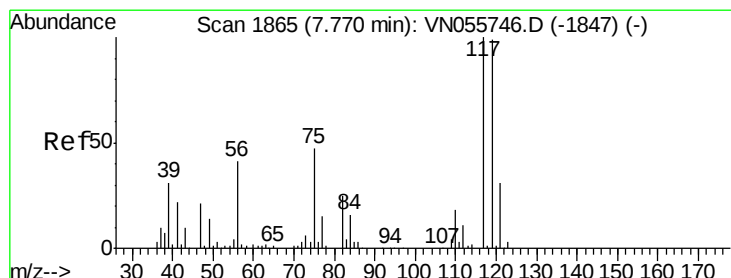
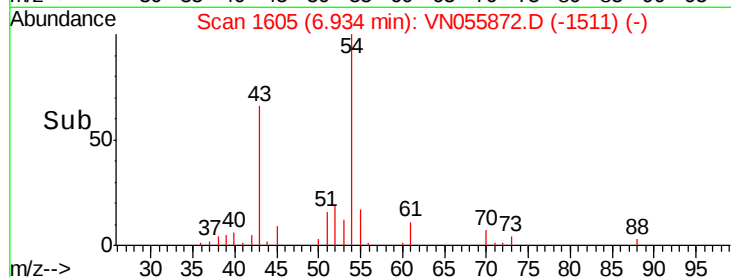
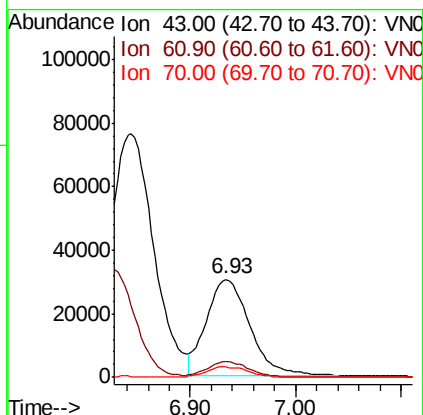
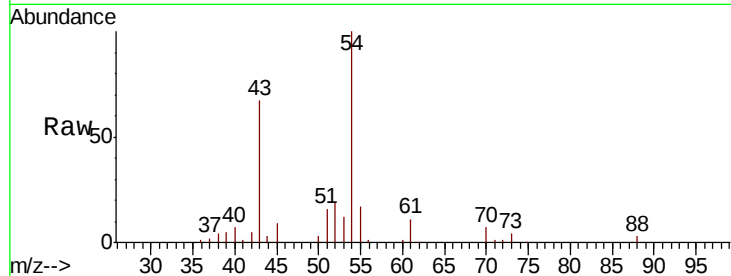




#37
Ethyl Acetate
Concen: 20.980 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

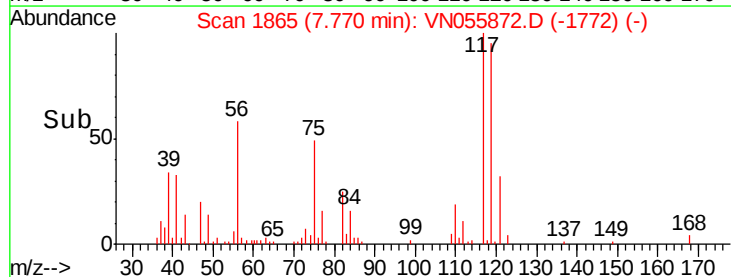
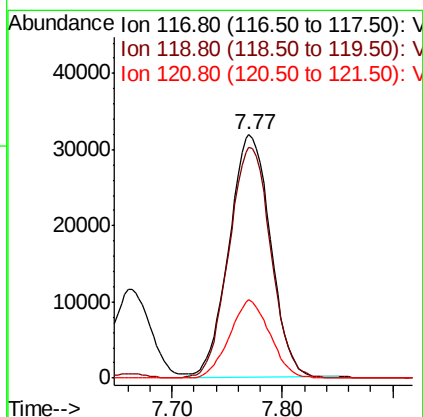
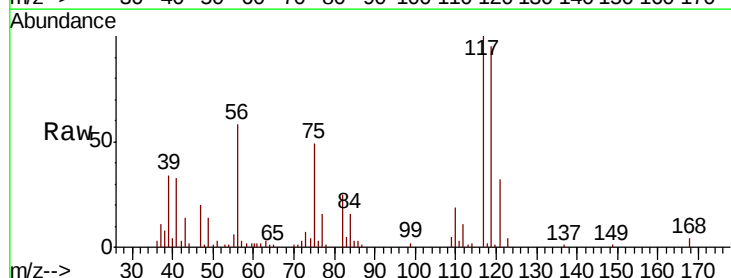
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

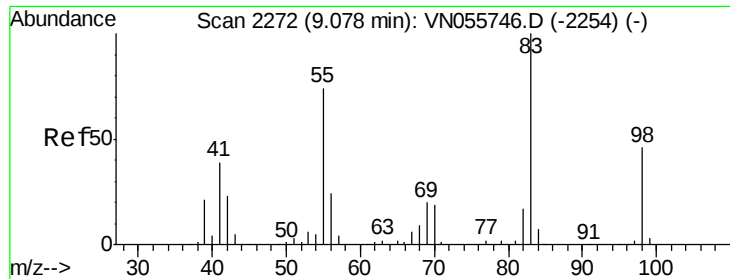
Tot Ion: 43 Resp: 87152
Ion Ratio Lower Upper
43 100
61 15.7 12.2 18.2
70 10.5 8.9 13.3



#38
Carbon Tetrachloride
Concen: 18.553 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 117 Resp: 83061
Ion Ratio Lower Upper
117 100
119 95.3 79.0 118.6
121 32.4 24.7 37.1

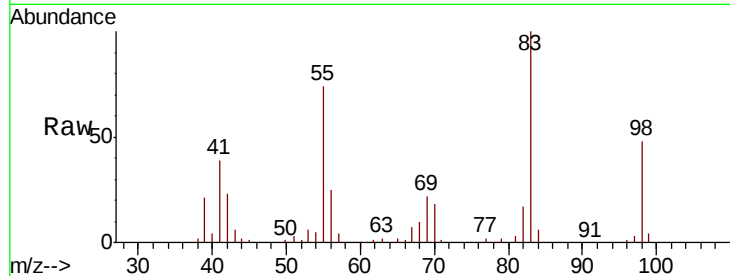




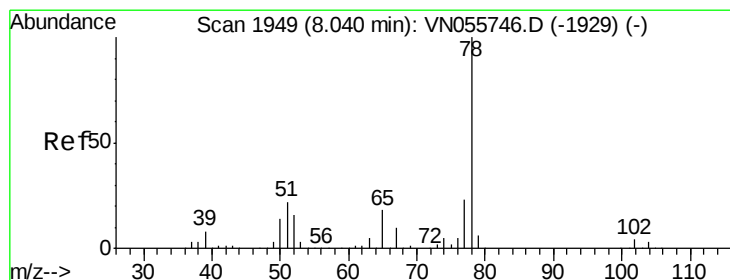
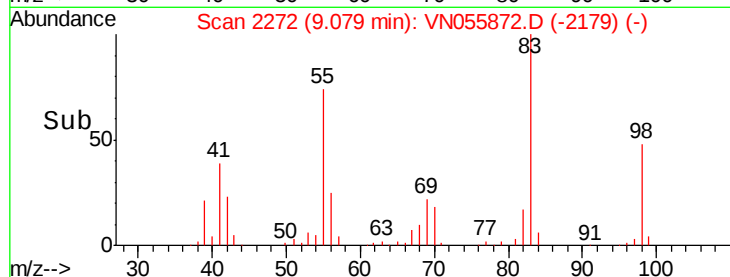
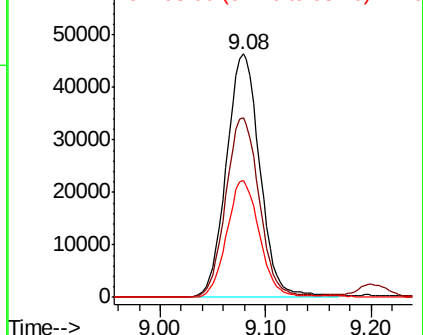
#39
Methvlcvclohexane
Concen: 19.201 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion: 83 Resp: 102194
Ion Ratio Lower Upper
83 100
55 74.0 59.3 88.9
98 48.1 36.6 54.8

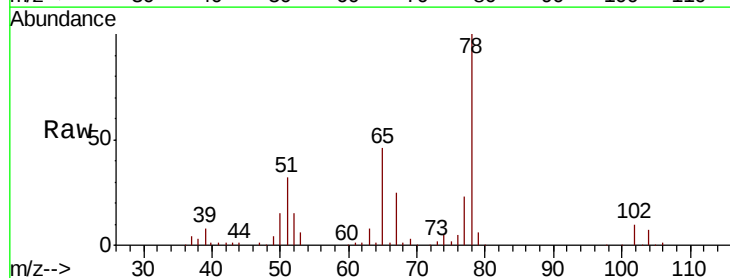


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

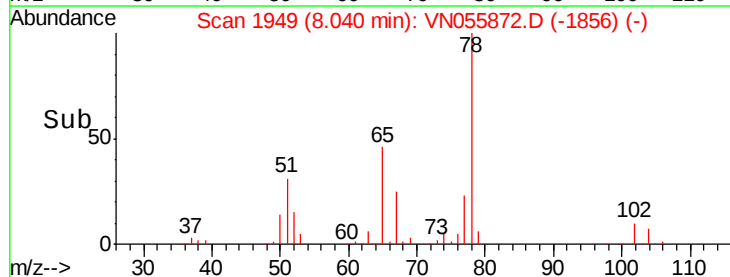
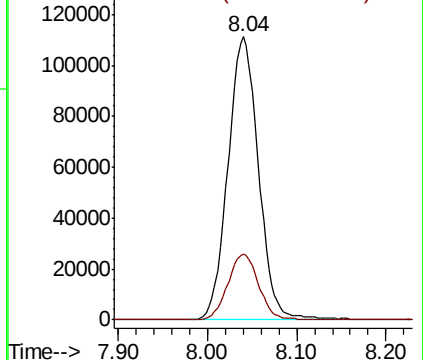


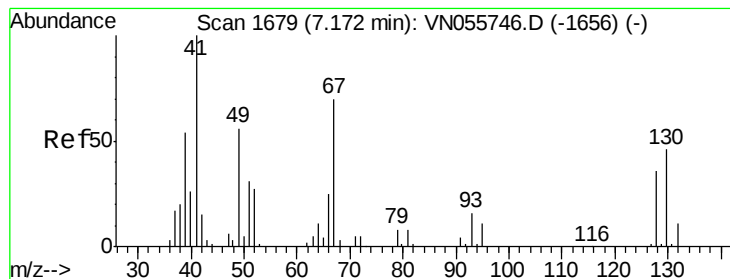
#40
Benzene
Concen: 20.376 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 78 Resp: 263936
Ion Ratio Lower Upper
78 100
77 23.1 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: 19.227 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 41 Resp: 40350

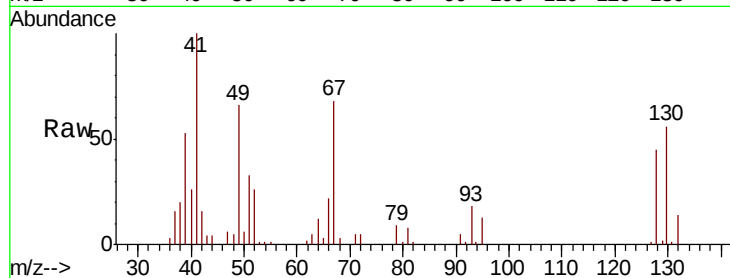
Ion Ratio Lower Upper

41 100

39 61.5 45.6 68.4

67 88.7 67.7 101.5

52 35.4 26.6 40.0

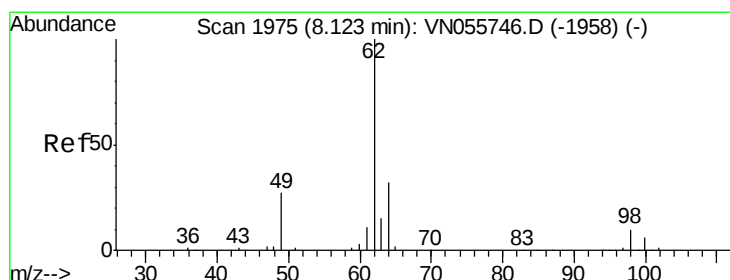
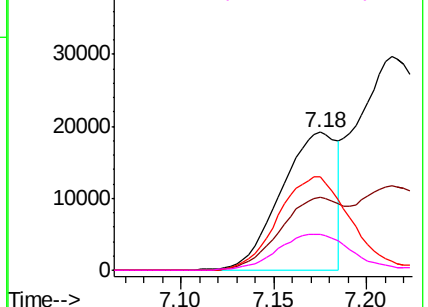
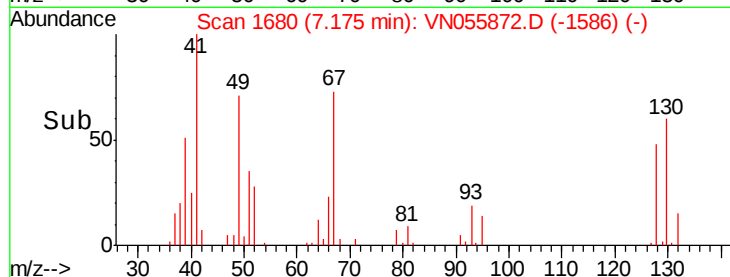


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.772 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055872.D

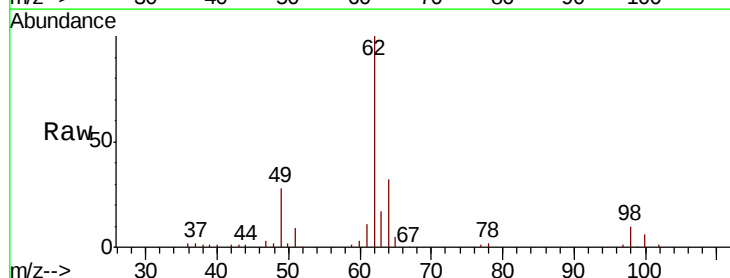
Acq: 29 May 2019 12:53

Tgt Ion: 62 Resp: 87921

Ion Ratio Lower Upper

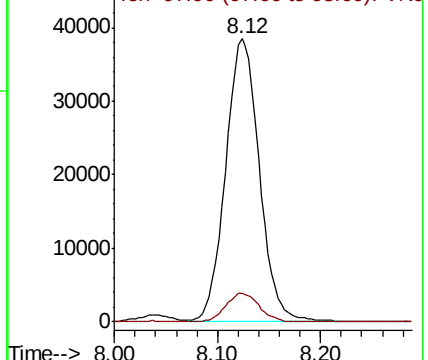
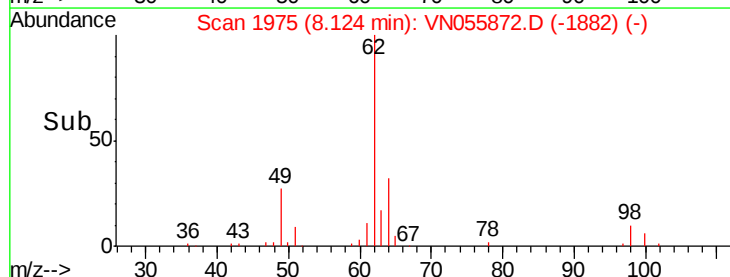
62 100

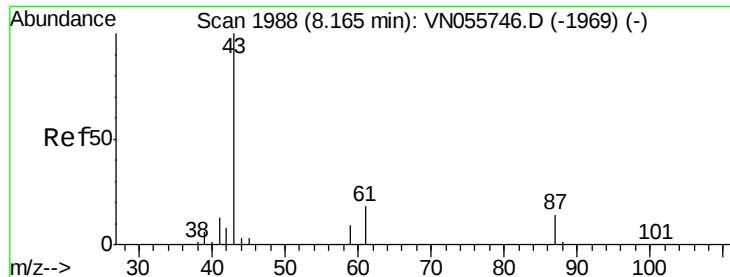
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.950 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

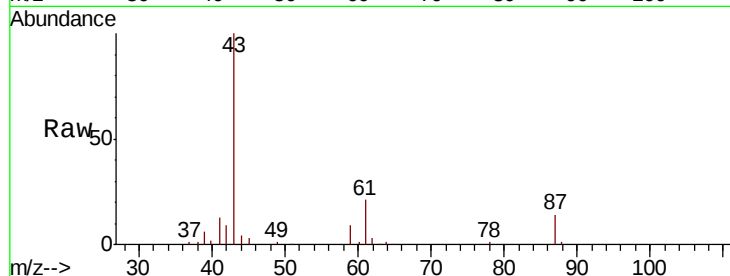
Tot Ion: 43 Resp: 139240

Ion Ratio Lower Upper

43 100

61 21.4 22.2 33.4#

87 13.9 11.4 17.2



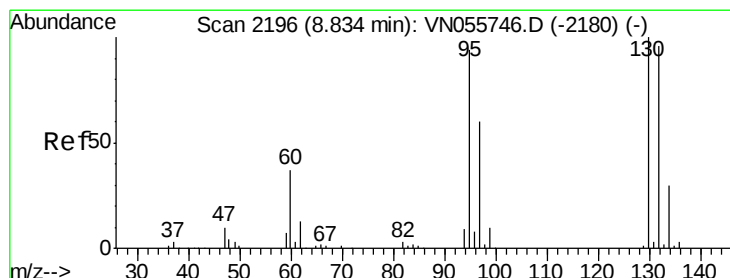
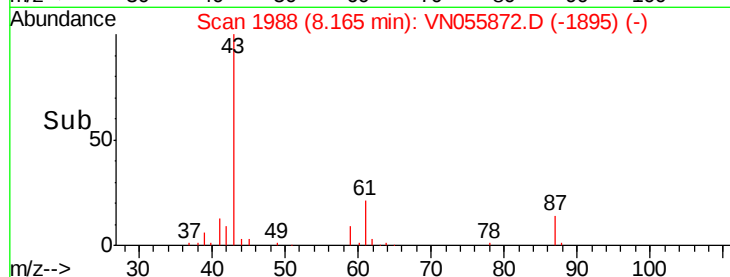
Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

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

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

8.17

Time-->



#44

Trichloroethene

Concen: 20.738 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055872.D

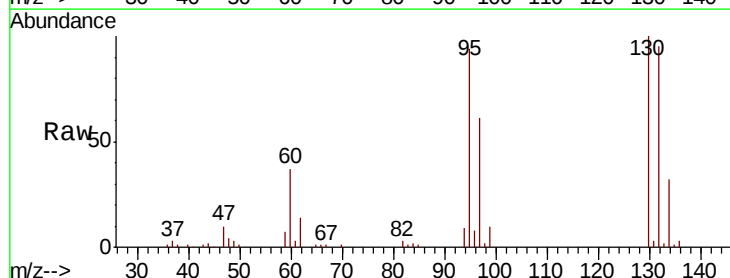
Acq: 29 May 2019 12:53

Tgt Ion:130 Resp: 74886

Ion Ratio Lower Upper

130 100

95 93.8 0.0 188.0

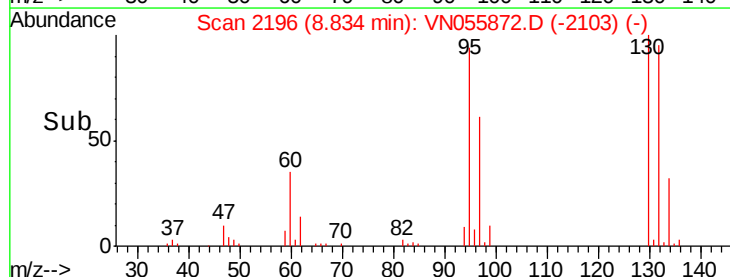


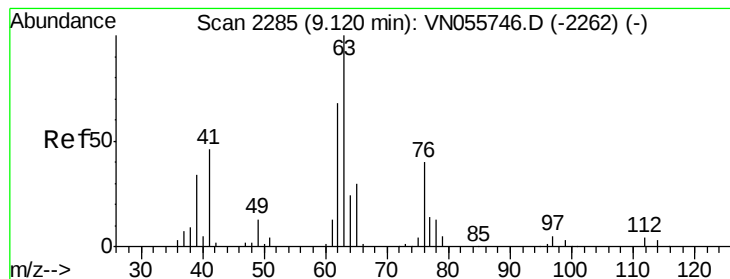
Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

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

8.83

Time-->





#45

1,2-Dichloropropane

Concen: 20.799 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

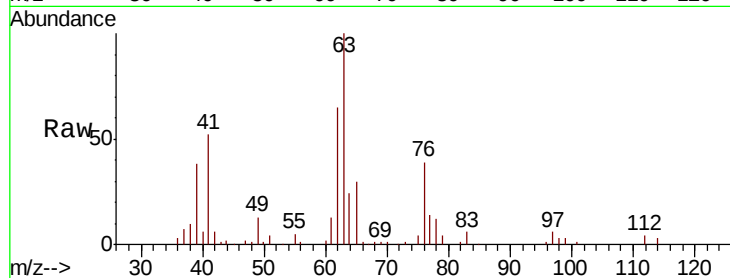
VN0529MBSD01

Tot Ion: 63 Resp: 70195

Ion Ratio Lower Upper

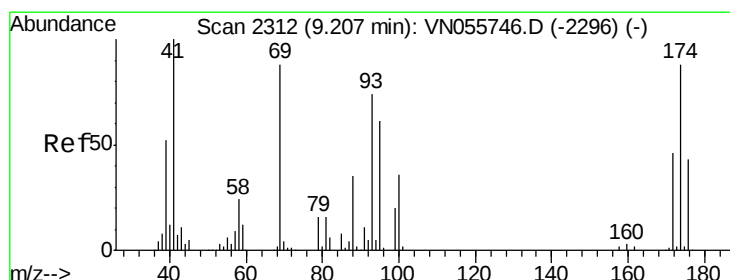
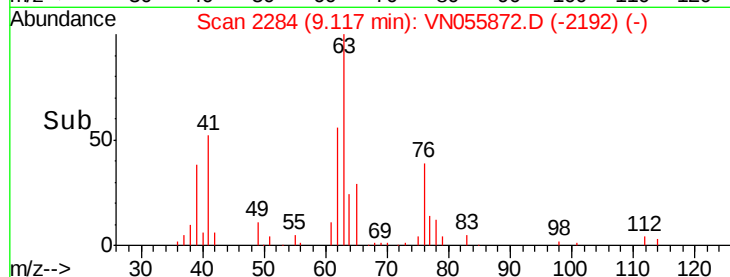
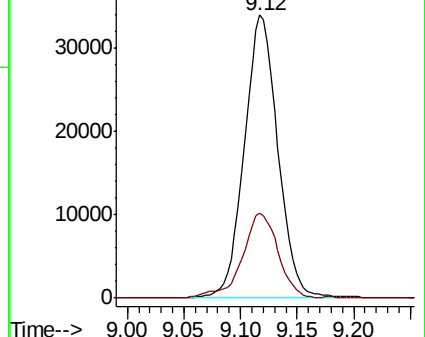
63 100

65 30.1 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN055872.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055872.D (-2262) (-)



#46

Dibromomethane

Concen: 20.391 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

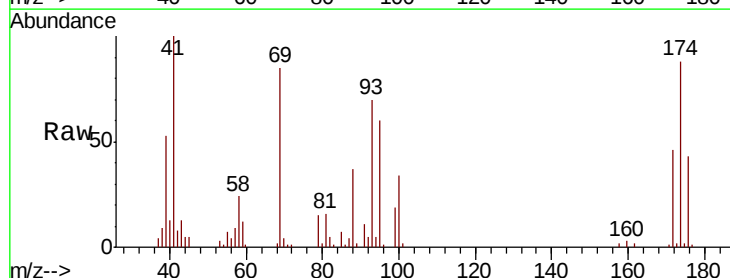
Tgt Ion: 93 Resp: 45130

Ion Ratio Lower Upper

93 100

95 85.7 66.7 100.1

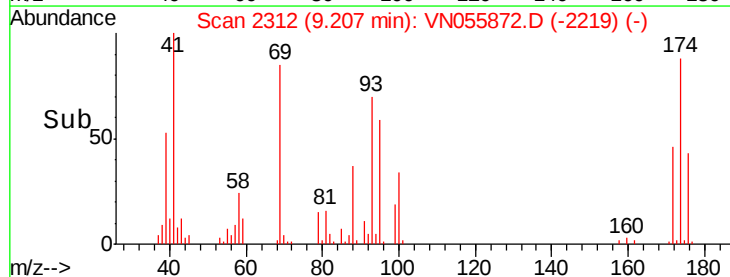
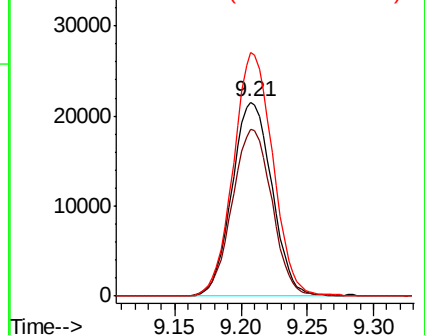
174 123.6 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055872.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055872.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055872.D (-2219) (-)





#47

Bromodichloromethane

Concen: 19.066 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

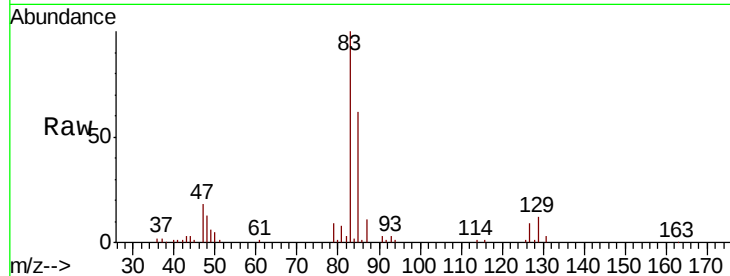
Tot Ion: 83 Resp: 86529

Ion Ratio Lower Upper

83 100

85 61.9 52.2 78.2

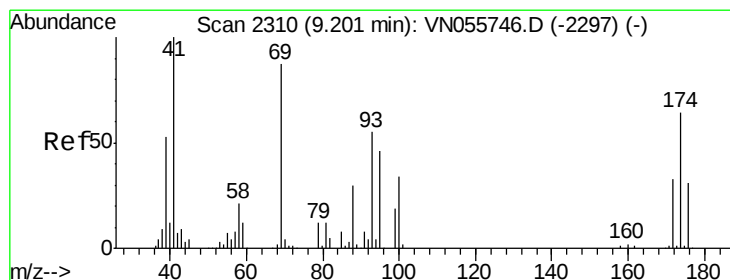
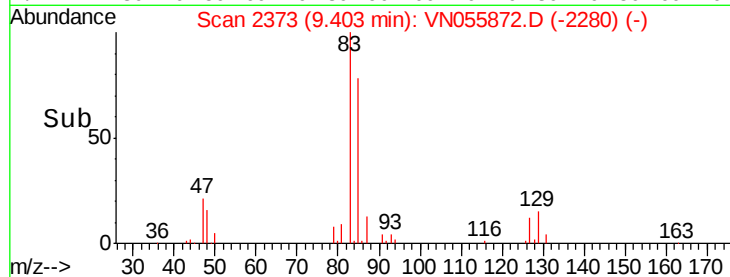
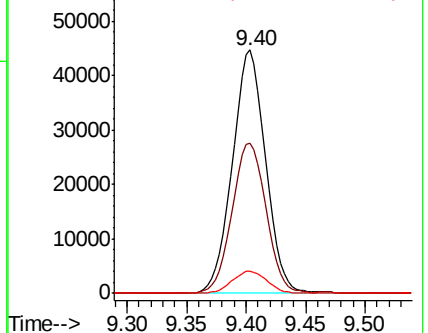
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.360 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

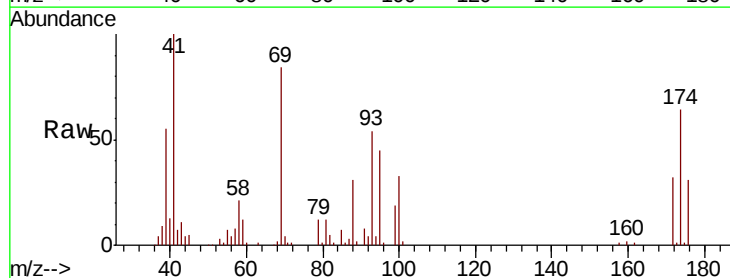
Tgt Ion: 41 Resp: 65490

Ion Ratio Lower Upper

41 100

69 89.6 71.0 106.6

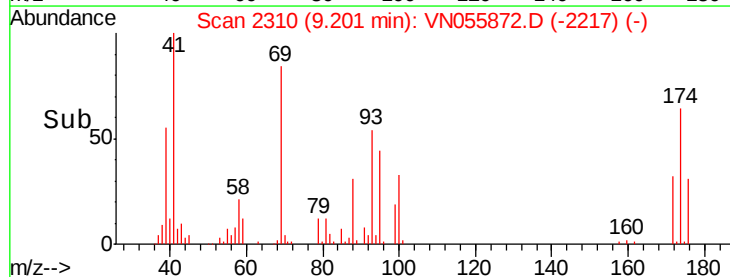
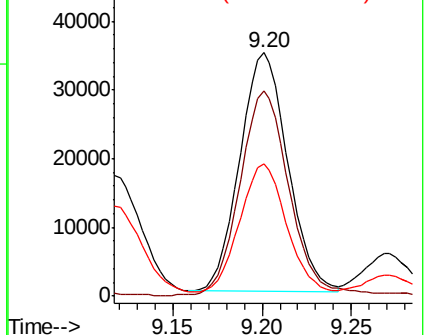
39 55.3 44.2 66.2

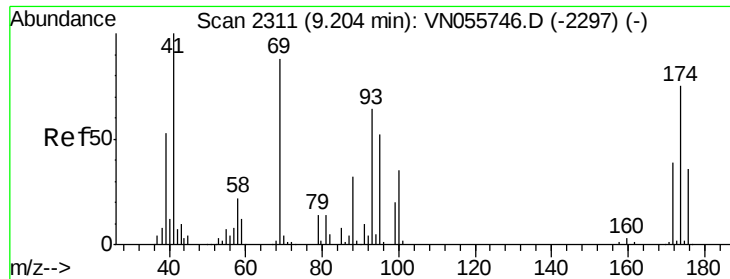


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 403.295 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

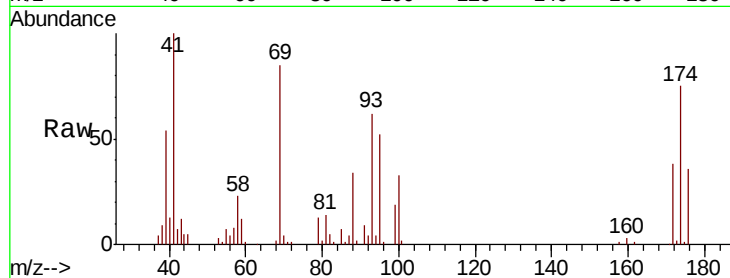
Tot Ion: 88 Resp: 26958

Ion Ratio Lower Upper

88 100

43 29.0 20.5 30.7

58 68.2 55.8 83.6

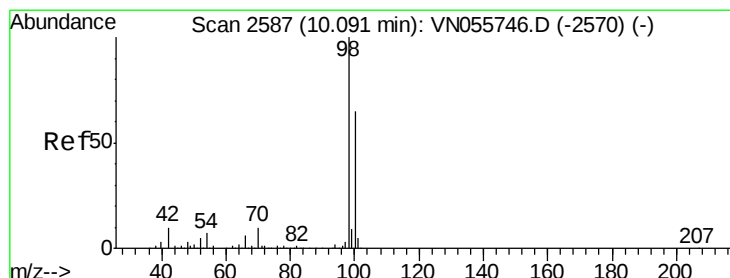
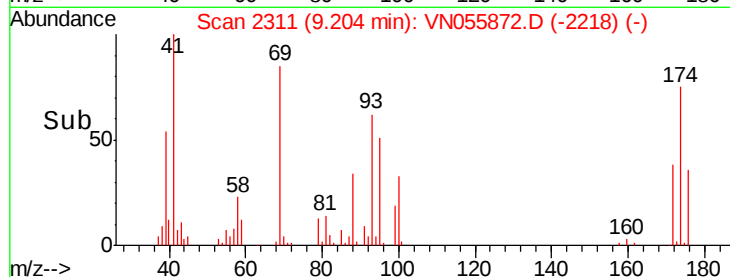
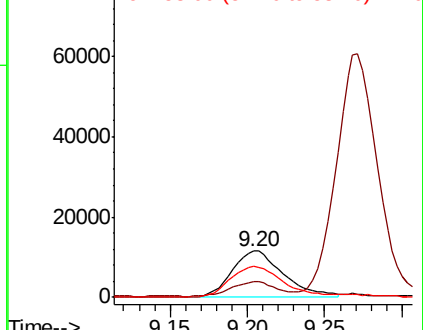


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.652 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055872.D

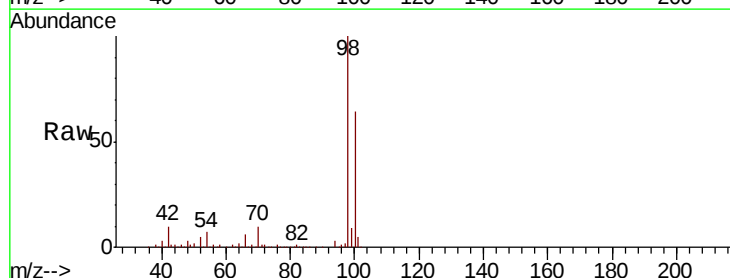
Acq: 29 May 2019 12:53

Tgt Ion: 98 Resp: 605836

Ion Ratio Lower Upper

98 100

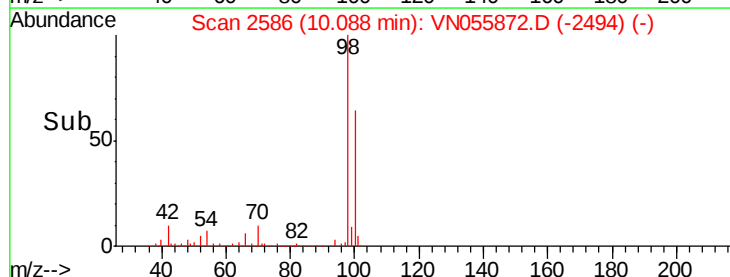
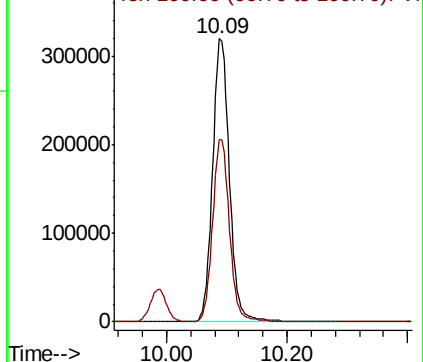
100 64.5 51.9 77.9

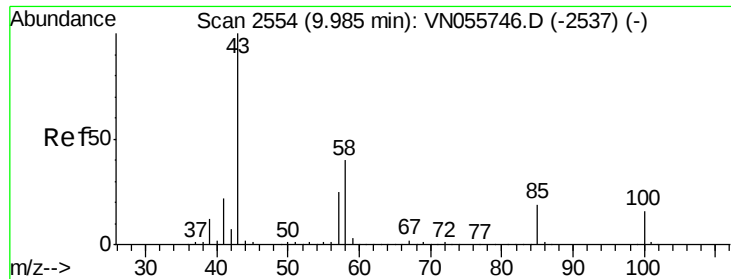


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 103.852 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleID :

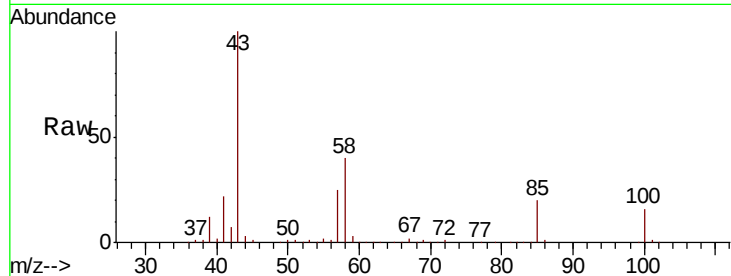
VN0529MBSD01

Tot Ion: 43 Resp: 428084

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055872.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN055872.D (-2461) (-)

9.99

250000

200000

150000

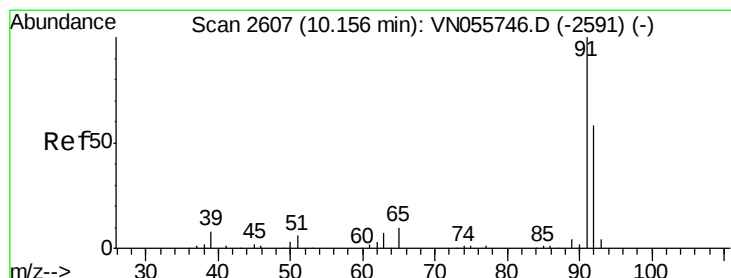
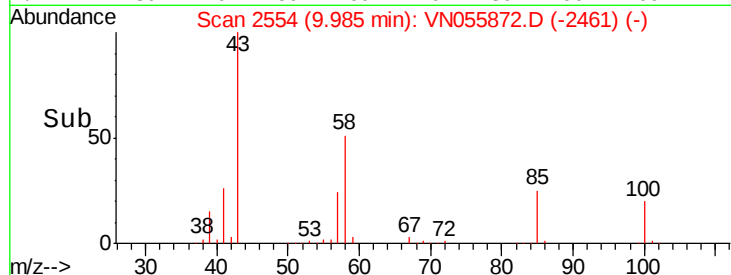
100000

50000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 20.415 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055872.D

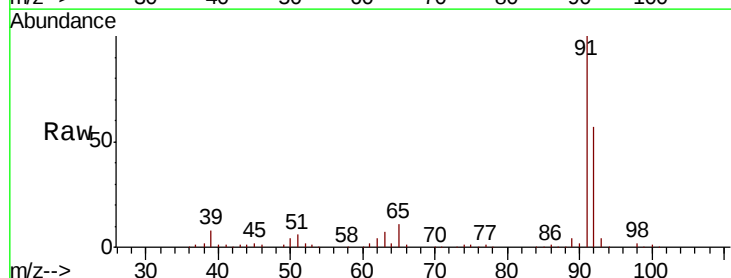
Acq: 29 May 2019 12:53

Tgt Ion: 92 Resp: 166315

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055872.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055872.D (-2514) (-)

10.16

150000

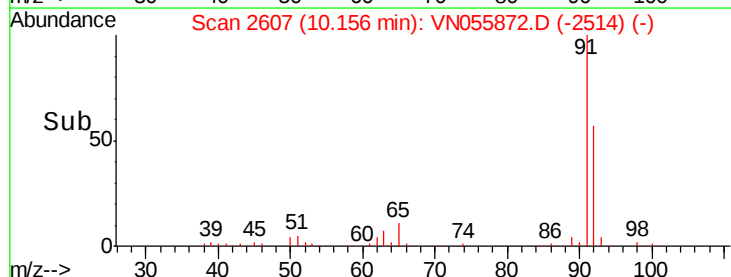
100000

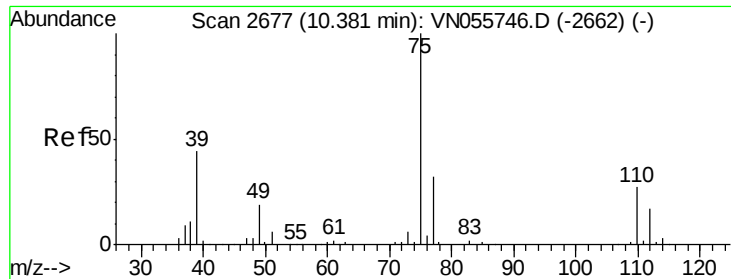
50000

0

10.10 10.20 10.30

Time-->

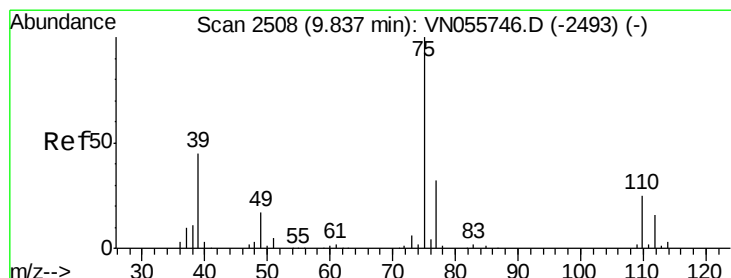
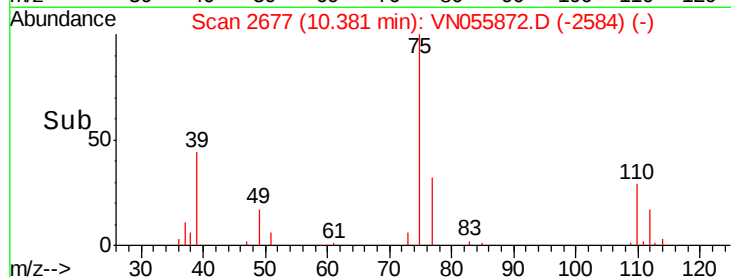
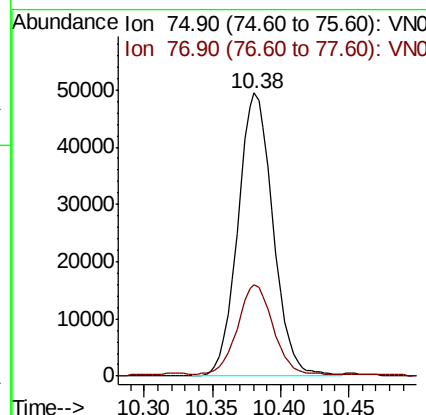
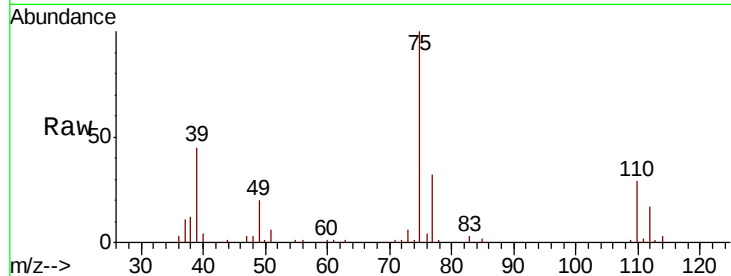




#53
 t-1,3-Dichloropropene
 Concen: 18.236 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

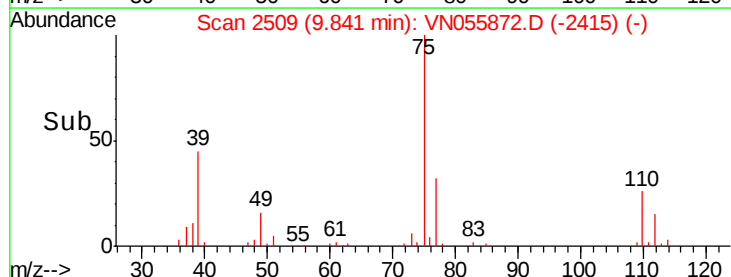
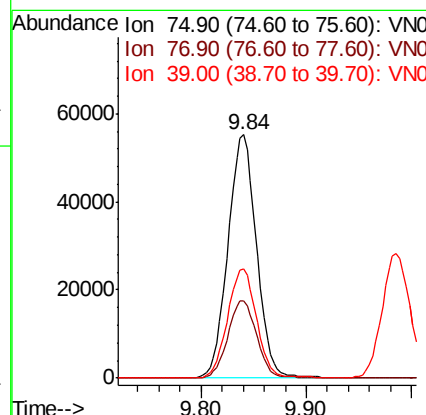
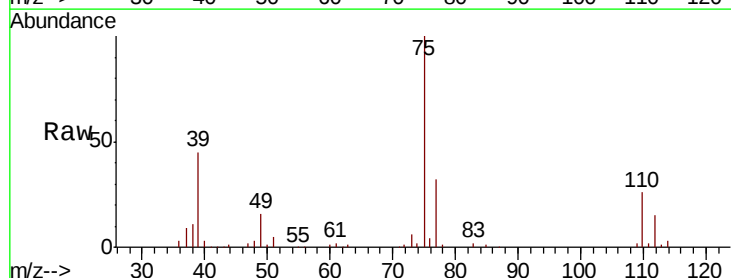
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

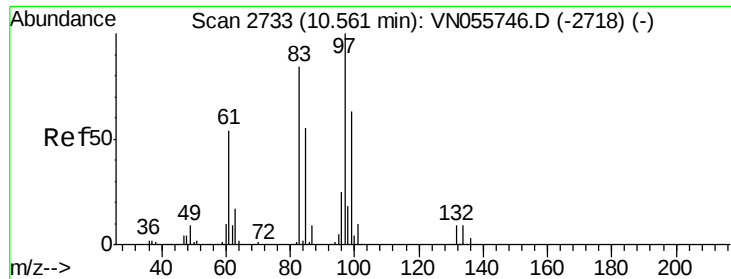
Tot Ion: 75 Resp: 88340
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 19.277 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion: 75 Resp: 103450
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0
 39 45.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 20.739 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

Tot Ion: 97 Resp: 67683

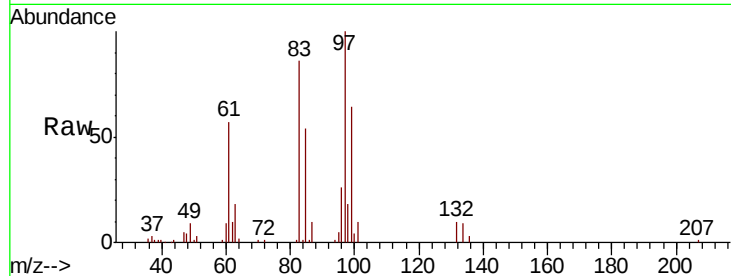
Ion Ratio Lower Upper

97 100

83 85.8 67.0 100.6

85 54.1 44.0 66.0

99 63.9 50.6 75.8

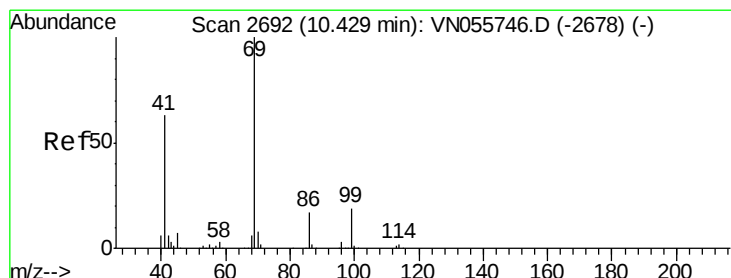
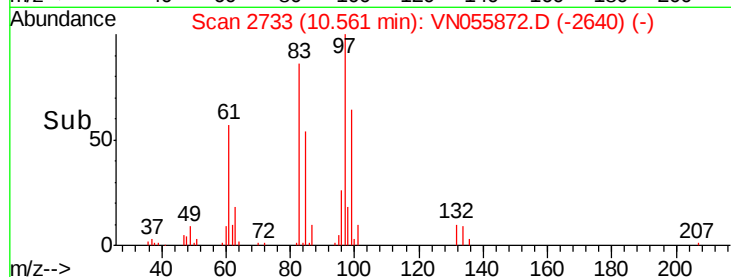
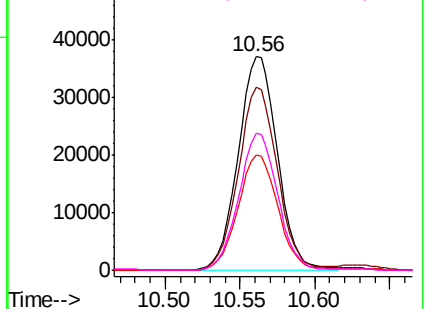


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.225 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

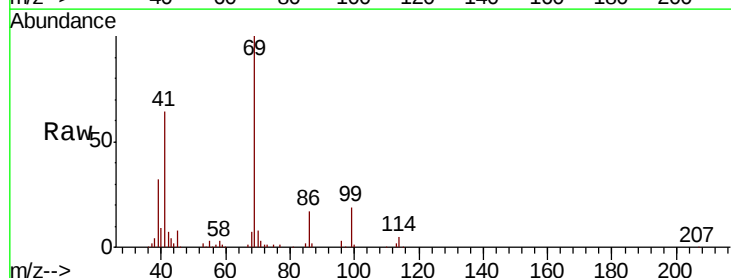
Tgt Ion: 69 Resp: 102011

Ion Ratio Lower Upper

69 100

41 62.7 49.7 74.5

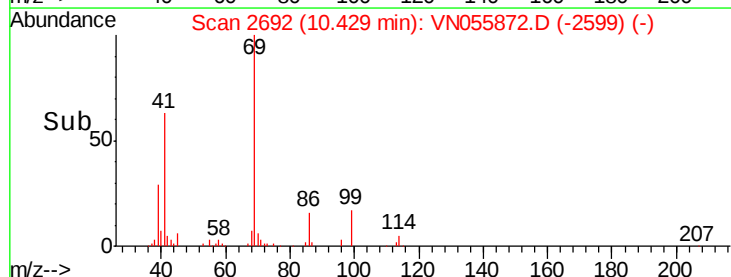
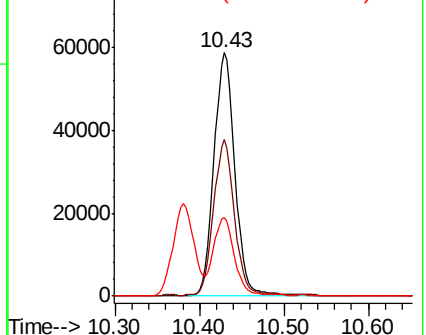
39 31.7 24.7 37.1

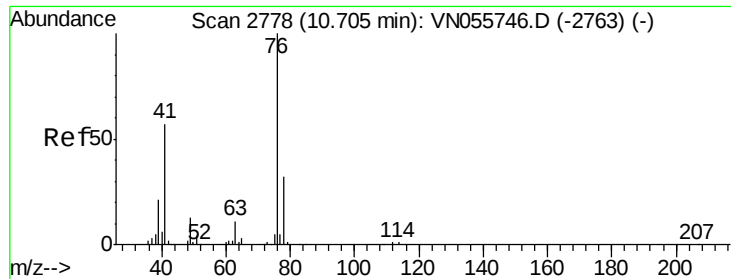


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

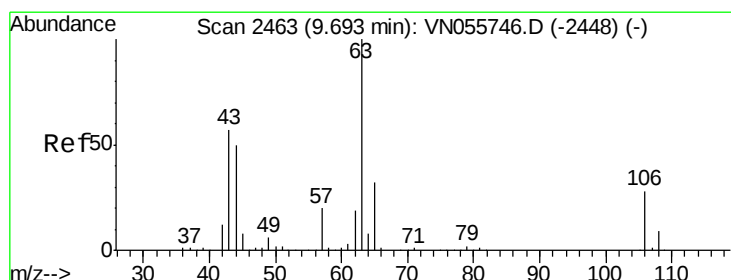
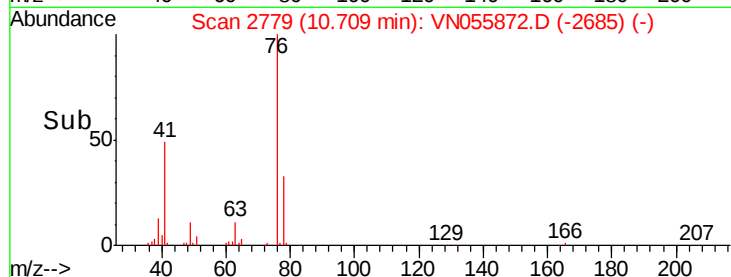
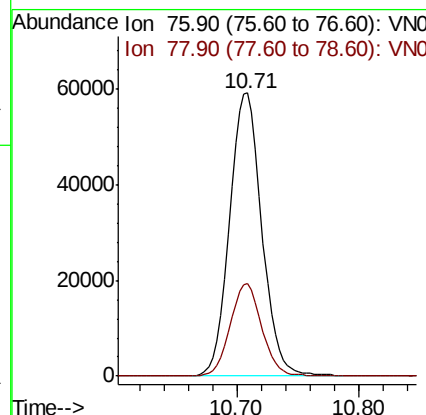
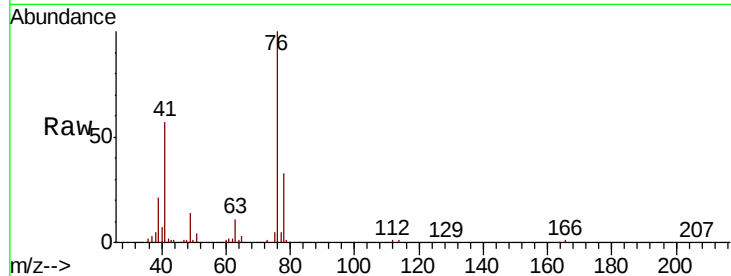




#57
 1,3-Dichloropropane
 Concen: 20.624 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

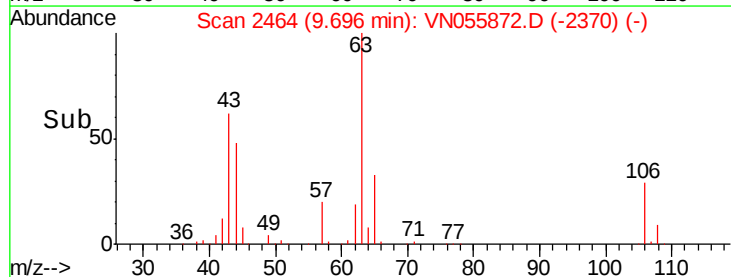
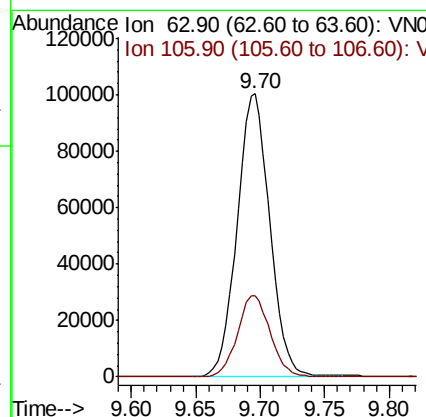
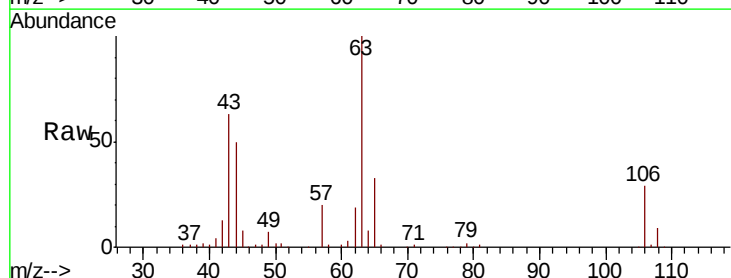
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0529MBSD01

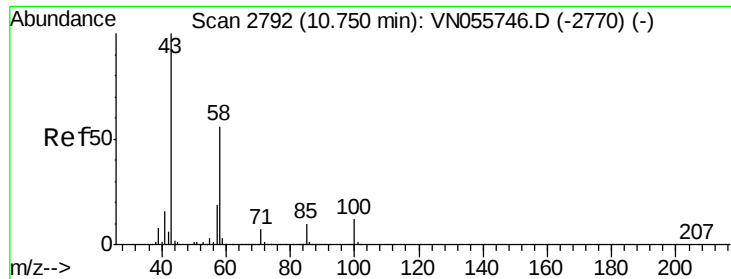
Tot Ion: 76 Resp: 109408
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.680 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion: 63 Resp: 176719
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.7 34.1

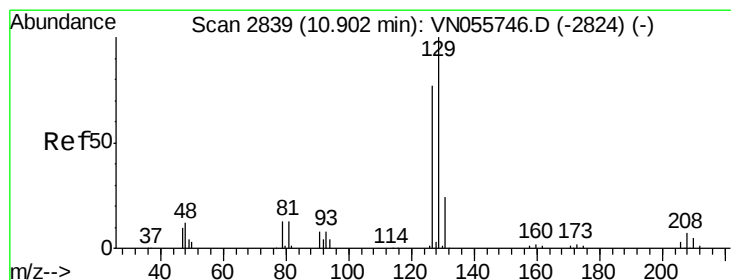
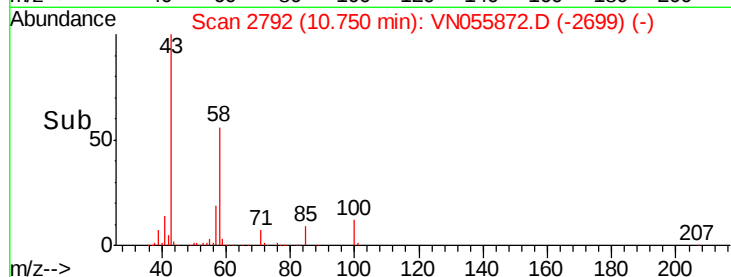
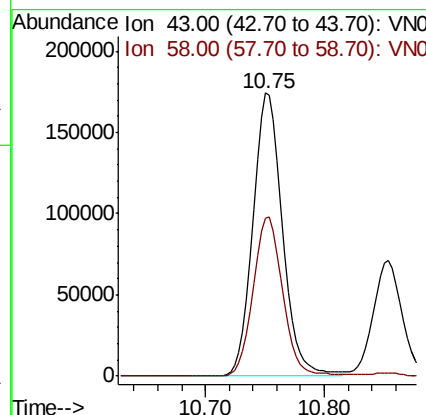
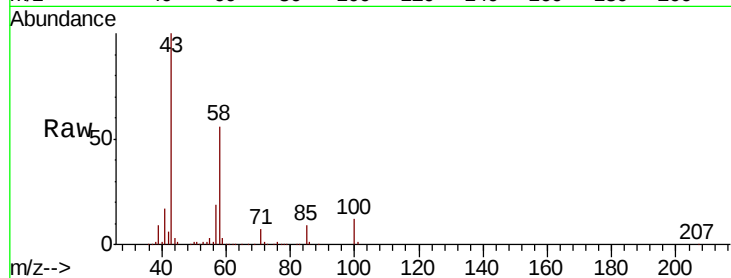




#59
2-Hexanone
Concen: 102.706 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

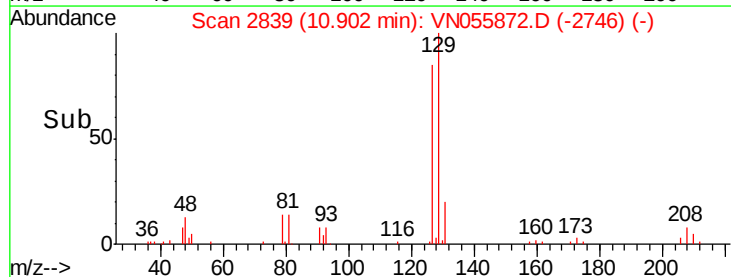
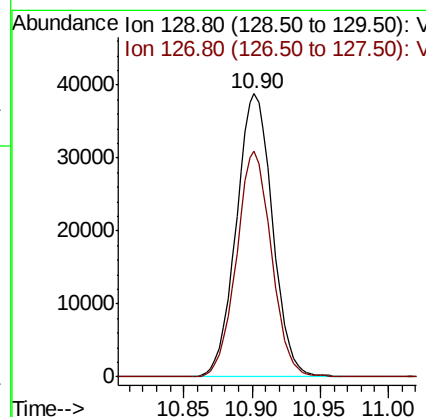
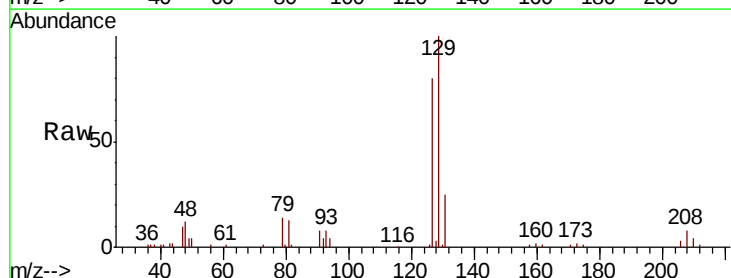
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

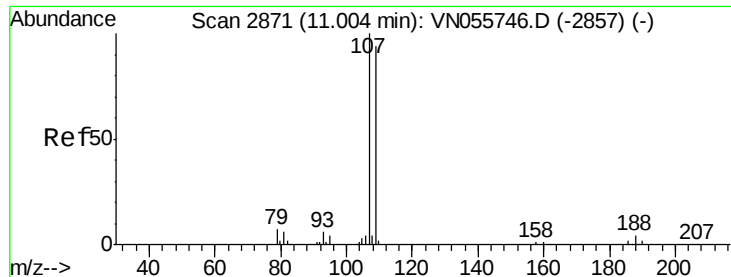
Tot Ion: 43 Resp: 300333
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7



#60
Dibromochloromethane
Concen: 18.766 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 129 Resp: 71346
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 20.823 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

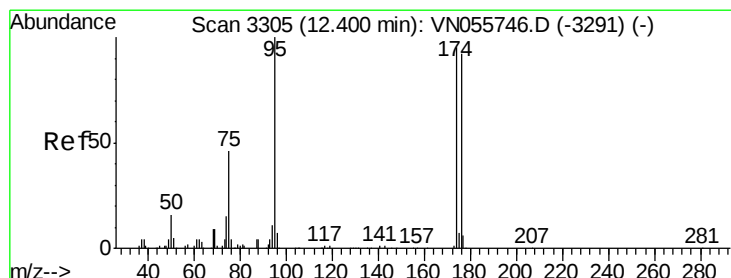
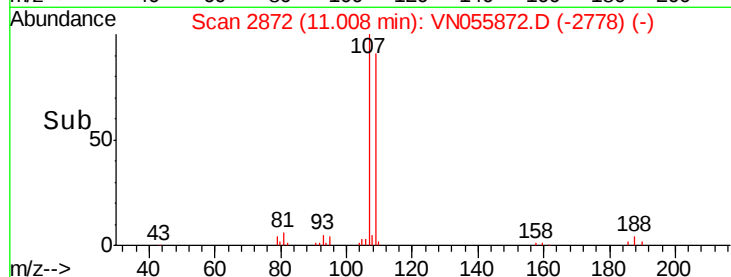
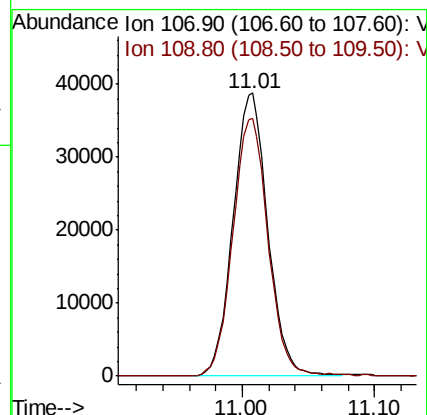
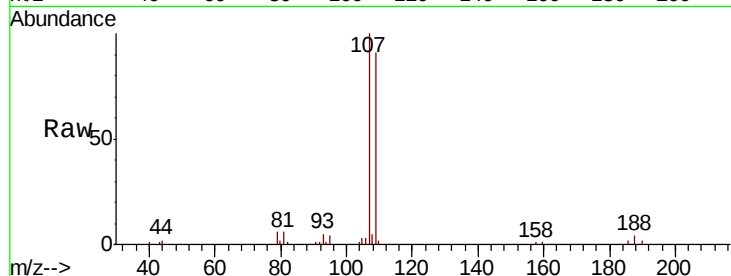
VN0529MBSD01

Tot Ion:107 Resp: 70491

Ion Ratio Lower Upper

107 100

109 92.1 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 48.202 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

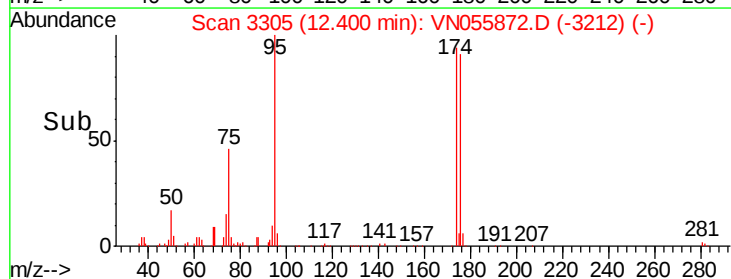
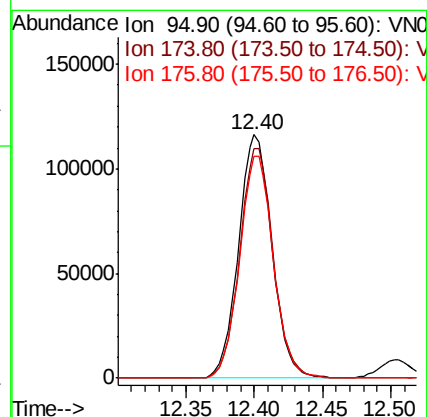
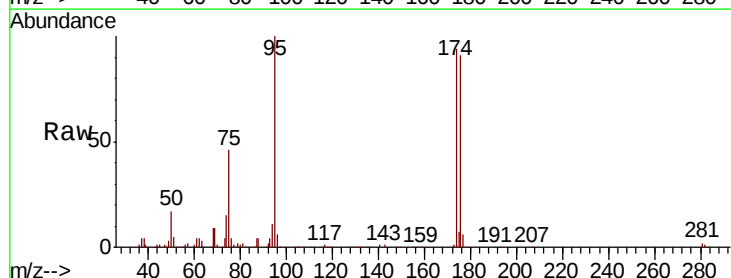
Tgt Ion: 95 Resp: 197687

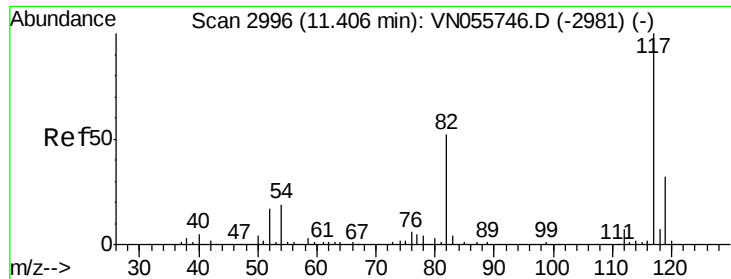
Ion Ratio Lower Upper

95 100

174 94.8 0.0 191.0

176 92.0 0.0 185.2

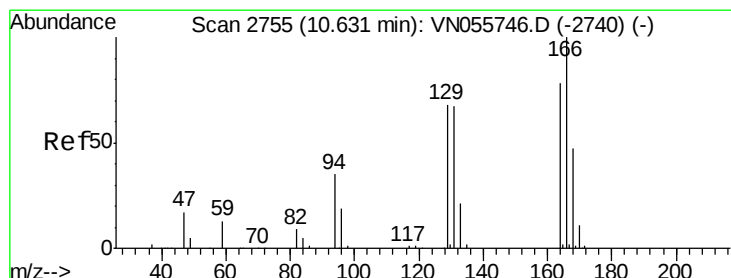
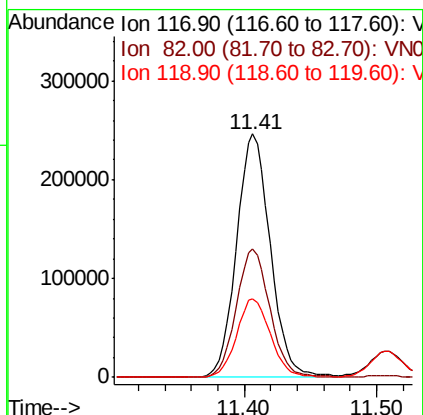
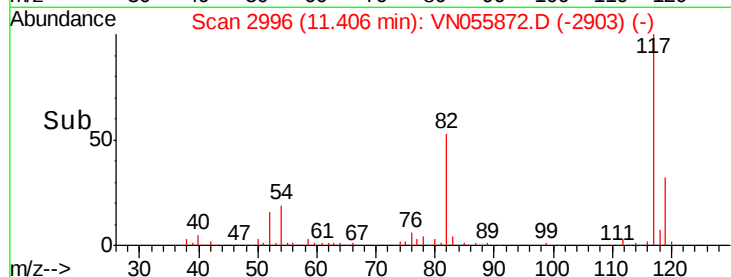
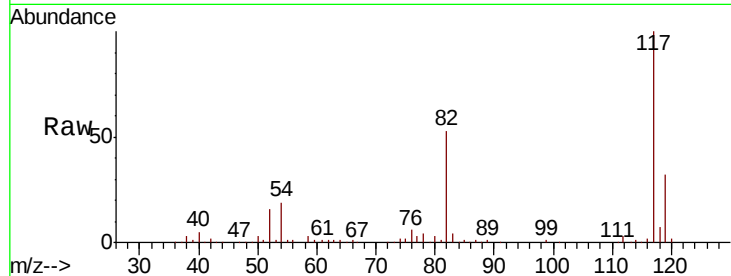




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

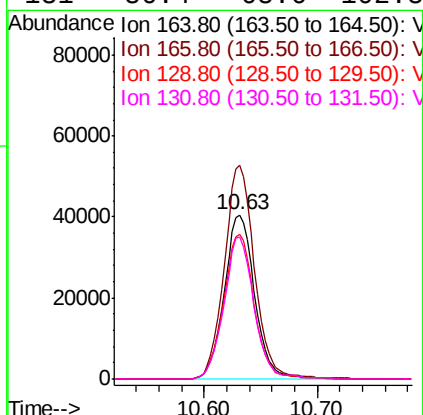
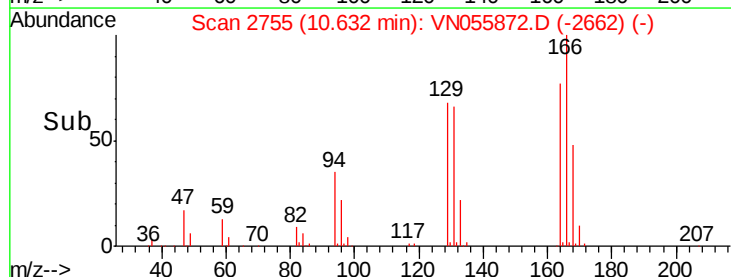
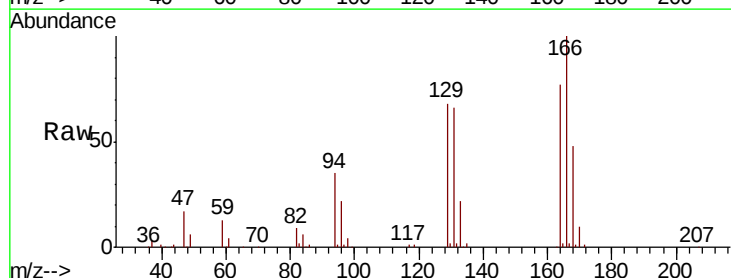
Instrument :
MSVOA_N
ClientSampled :
VN0529MBSD01

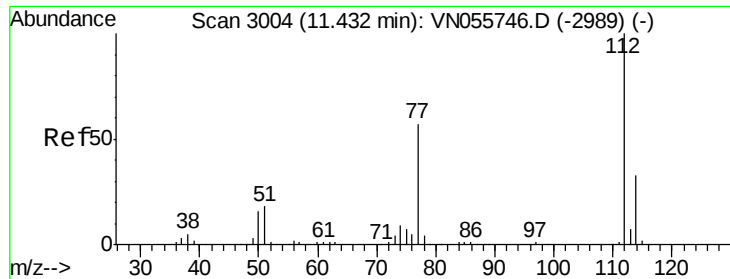
Tot Ion:117 Resp: 435979
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 20.588 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion:164 Resp: 75704
Ion Ratio Lower Upper
164 100
166 130.3 103.0 154.6
129 88.6 70.6 105.8
131 86.4 68.6 102.8

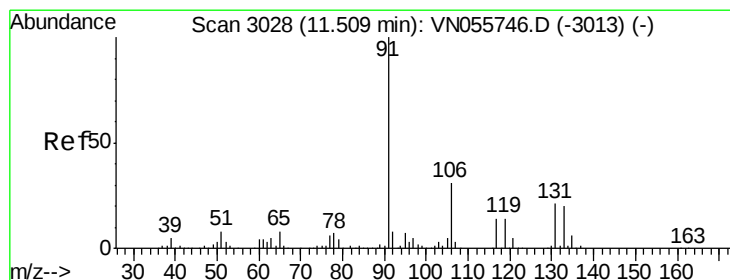
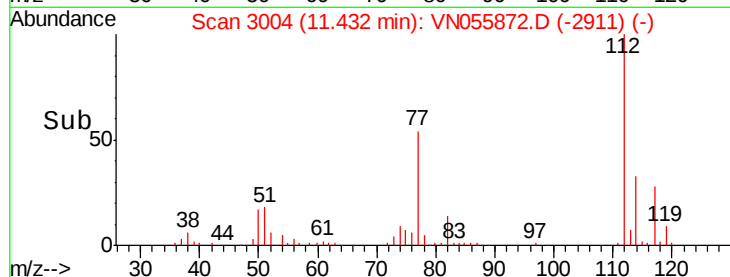
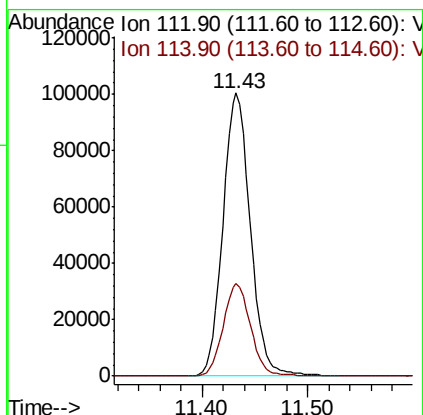
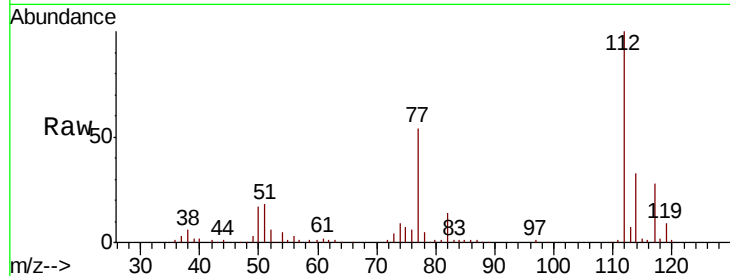




#65
Chlorobenzene
Concen: 20.684 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

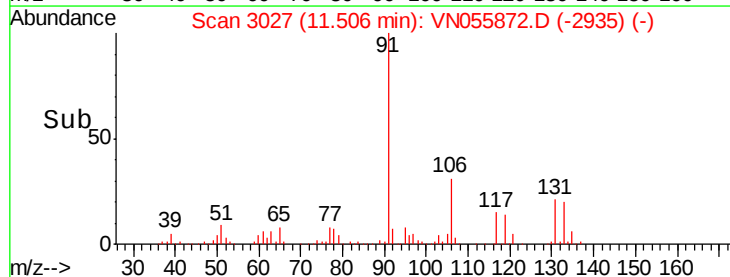
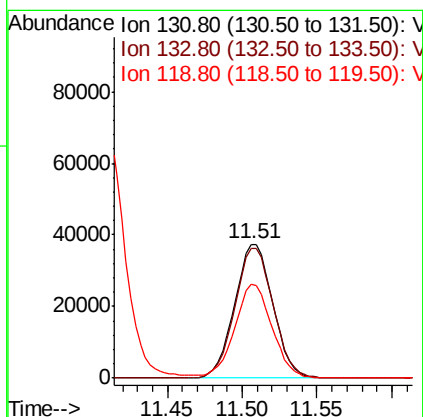
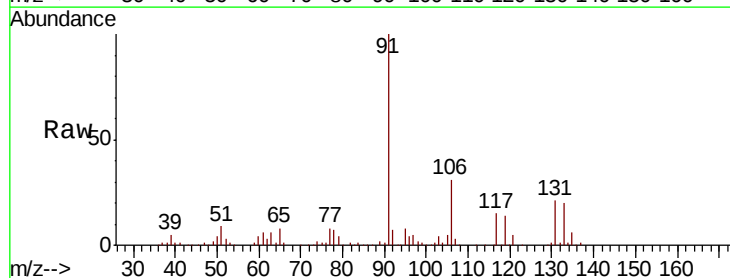
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

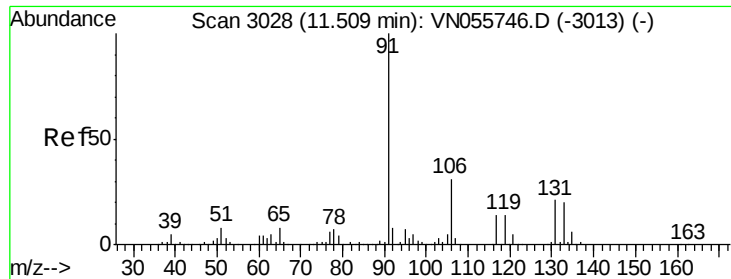
Tot Ion:112 Resp: 180524
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.137 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion:131 Resp: 66615
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 68.8 33.1 99.5

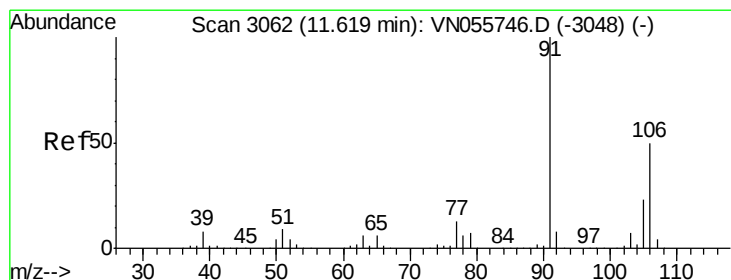
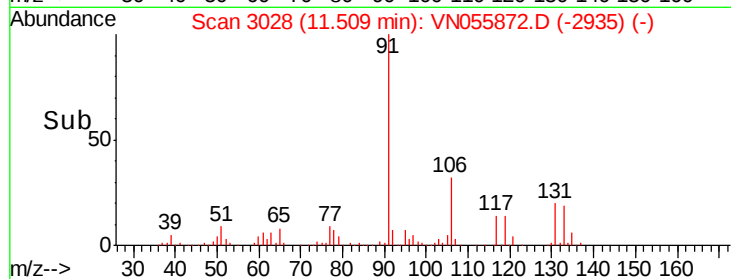
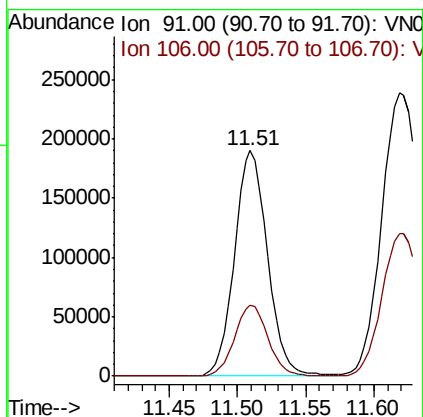
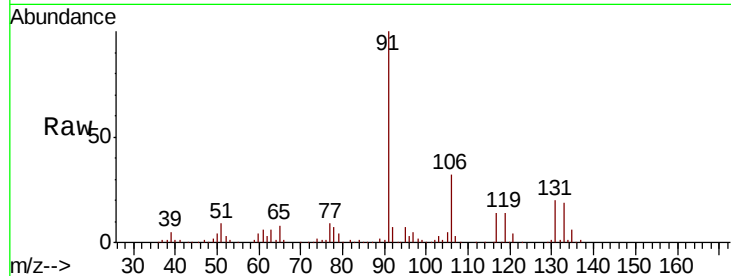




#67
Ethyl Benzene
Concen: 20.457 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

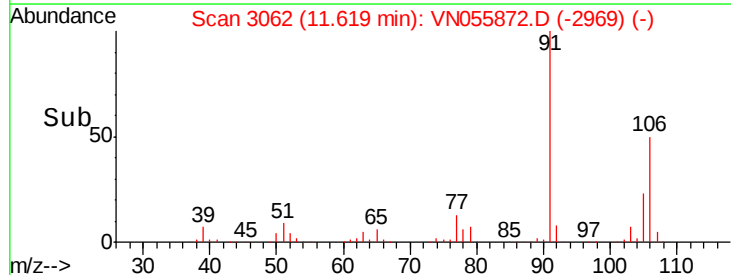
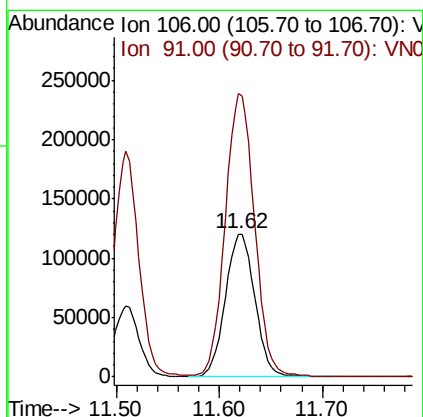
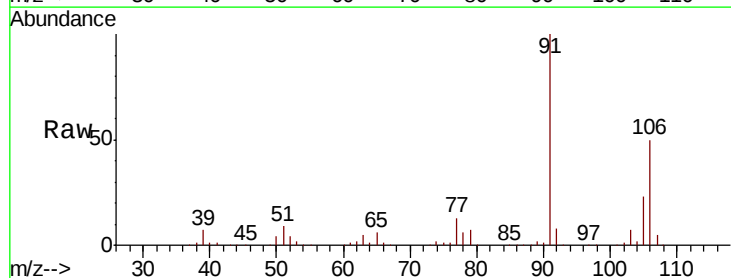
Instrument :
MSVOA_N
ClientSampleID :
VN0529MBSD01

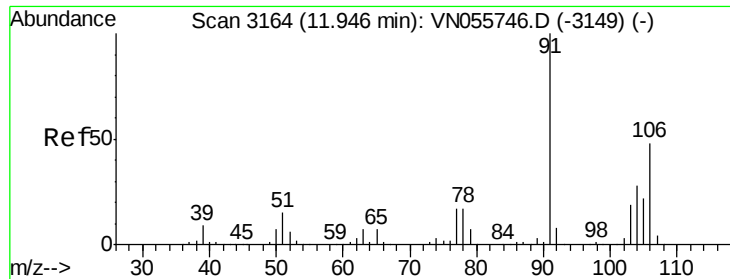
Tot Ion: 91 Resp: 320181
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7



#68
m/p-Xylenes
Concen: 40.592 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 106 Resp: 240181
Ion Ratio Lower Upper
106 100
91 197.7 159.3 238.9

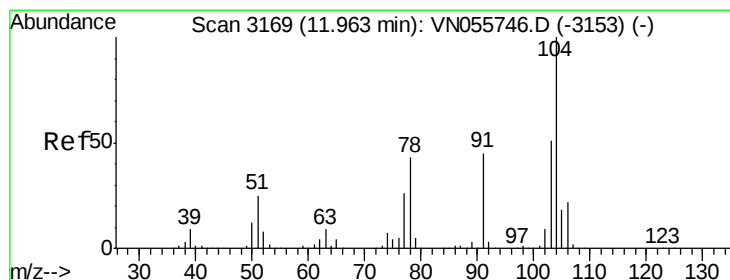
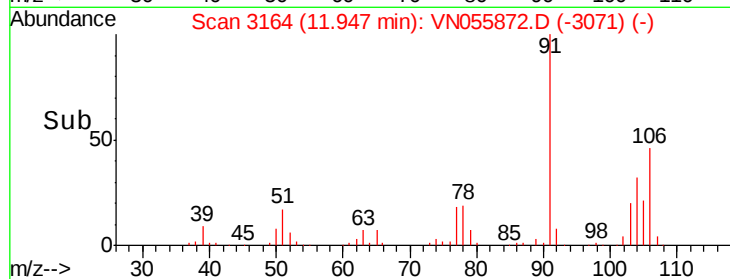
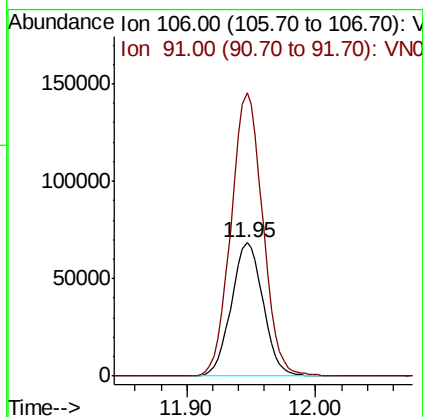
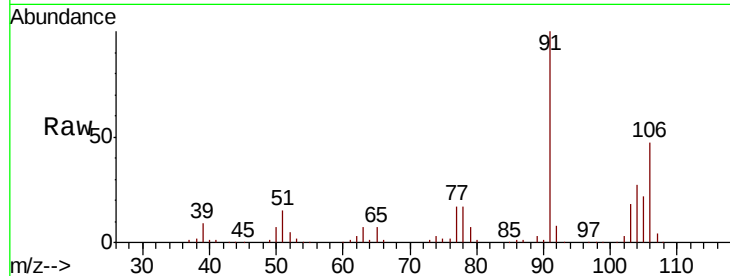




#69
o-Xylene
Concen: 20.034 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

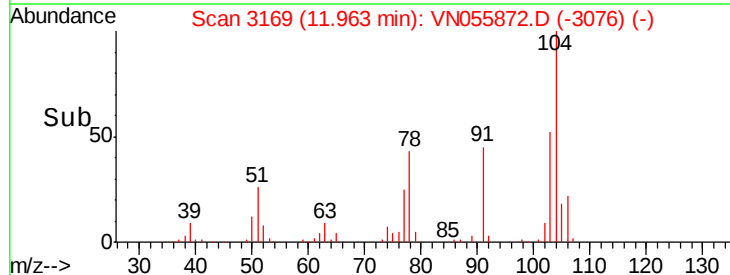
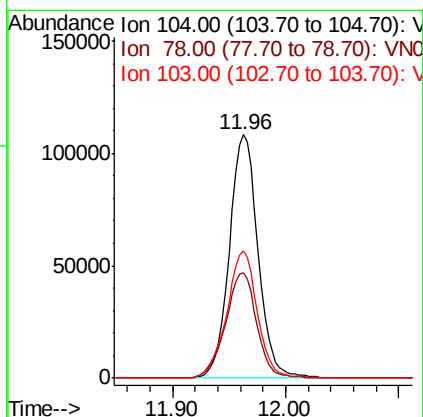
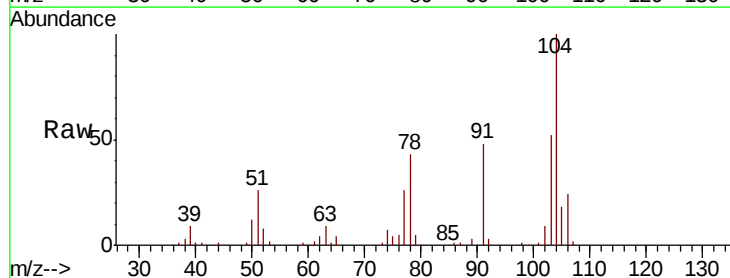
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

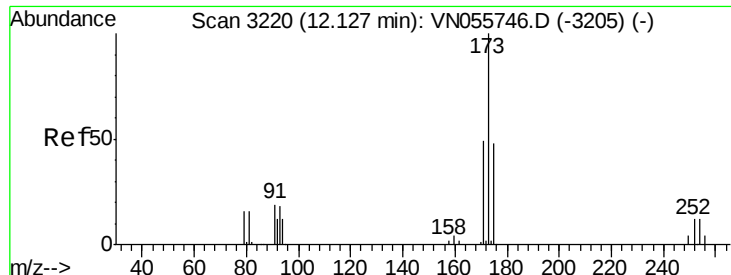
Tot Ion:106 Resp: 117611
Ion Ratio Lower Upper
106 100
91 211.0 104.7 314.1



#70
Styrene
Concen: 20.081 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion:104 Resp: 190907
Ion Ratio Lower Upper
104 100
78 46.9 37.8 56.6
103 55.8 44.2 66.2

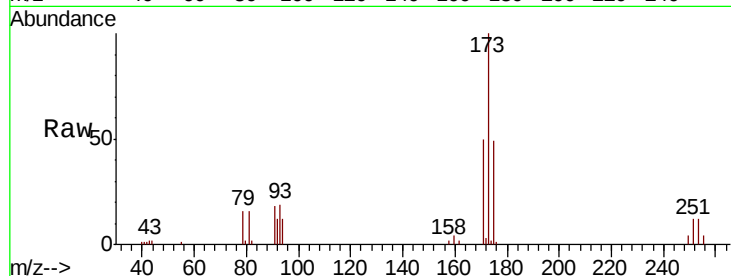




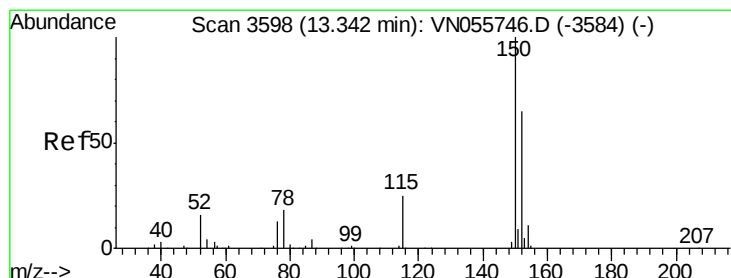
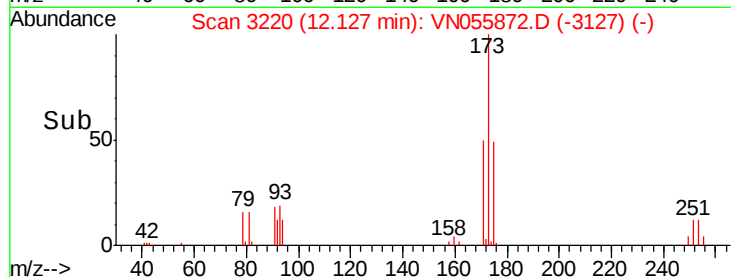
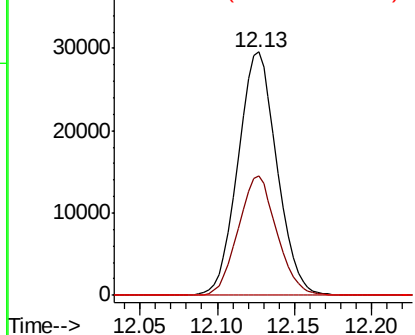
#71
Bromoform
Concen: 17.407 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion:173 Resp: 51683
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.8
254 0.0 0.0 0.0

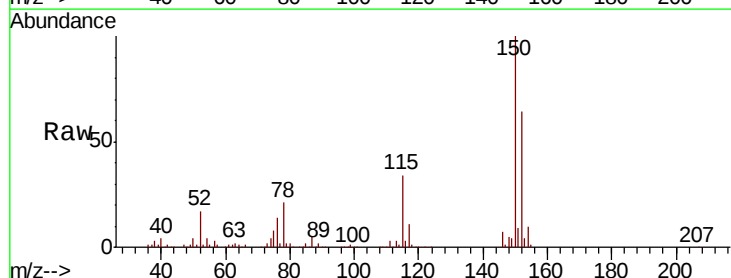


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

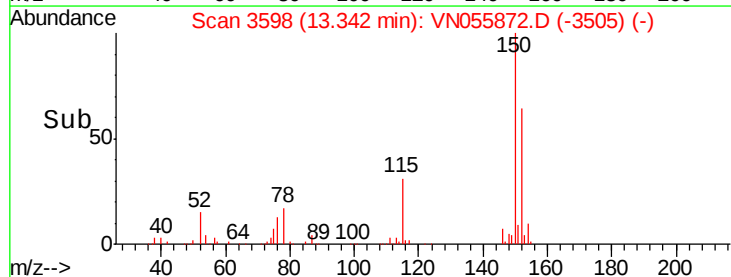
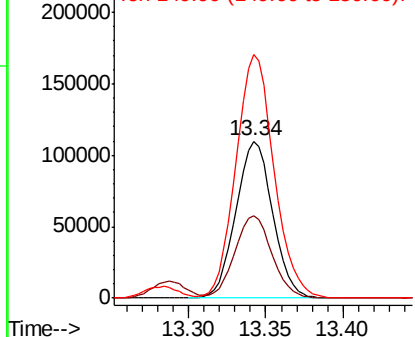


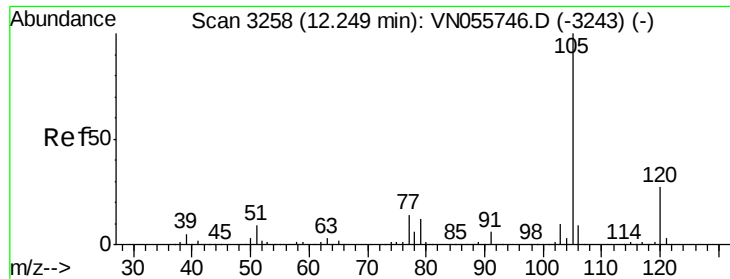
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion:152 Resp: 181301
Ion Ratio Lower Upper
152 100
115 53.0 27.0 81.0
150 161.2 0.0 343.2



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





#73

Isopropylbenzene

Concen: 23.298 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

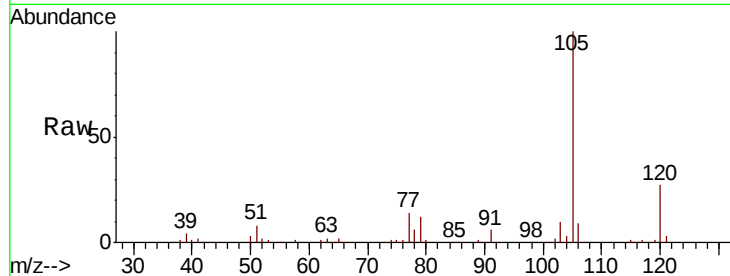
VN0529MBSD01

Tot Ion:105 Resp: 318834

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

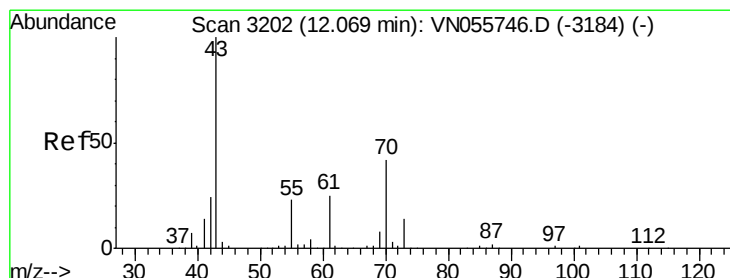
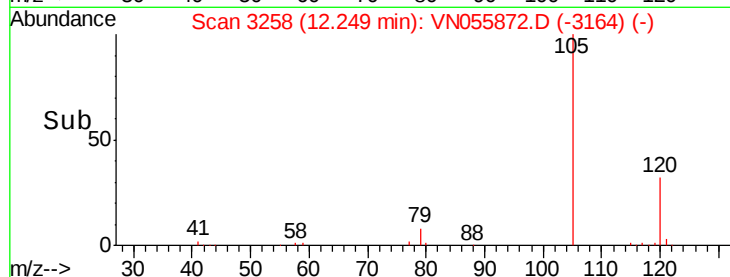
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 21.154 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Tgt Ion: 43 Resp: 110307

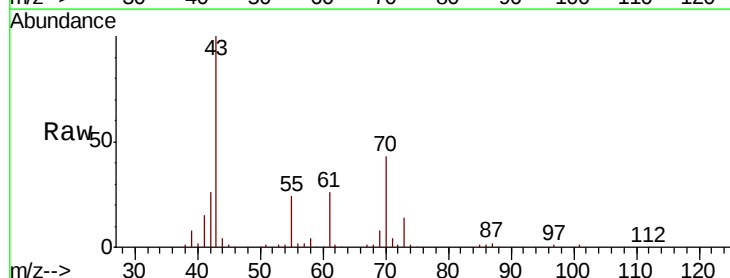
Ion Ratio Lower Upper

43 100

70 42.4 34.0 51.0

55 24.3 18.6 28.0

61 25.3 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

40000

20000

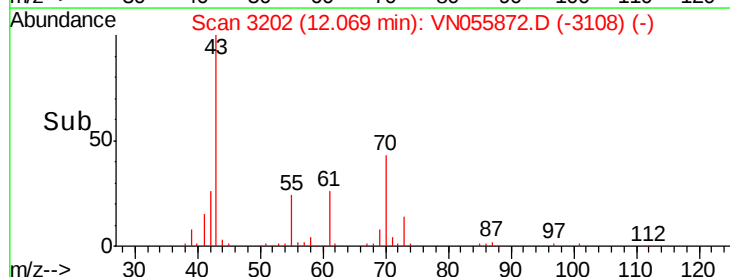
0

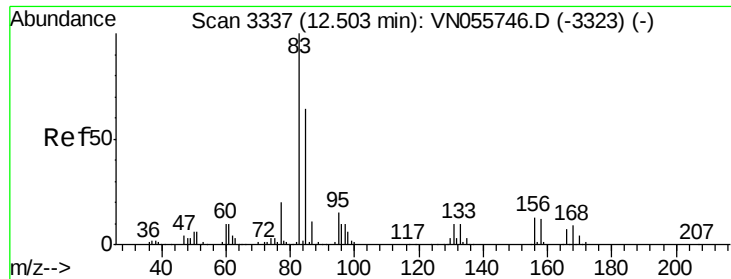
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.948 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

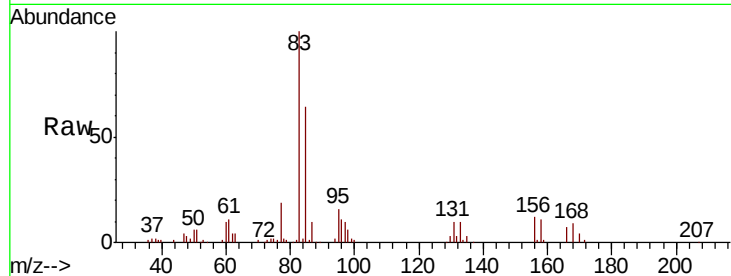
Tot Ion: 83 Resp: 94498

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

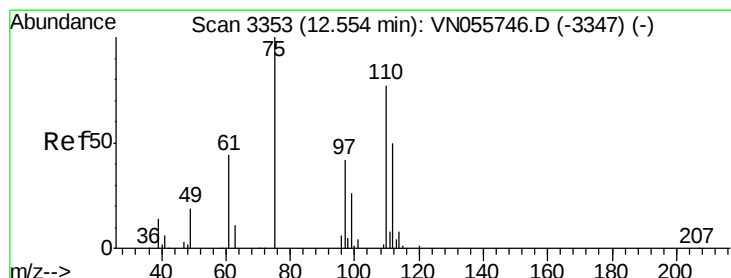
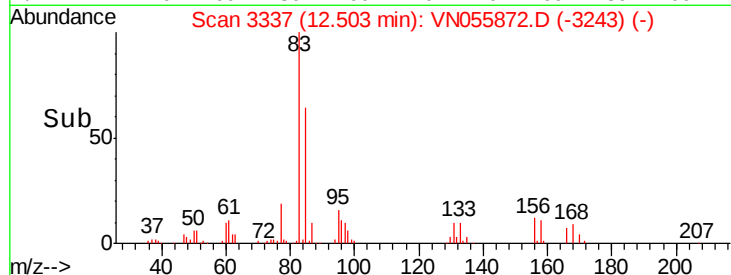
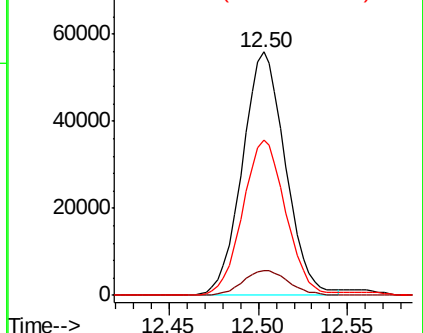
85 63.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055872.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055872.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055872.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 34.371 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055872.D

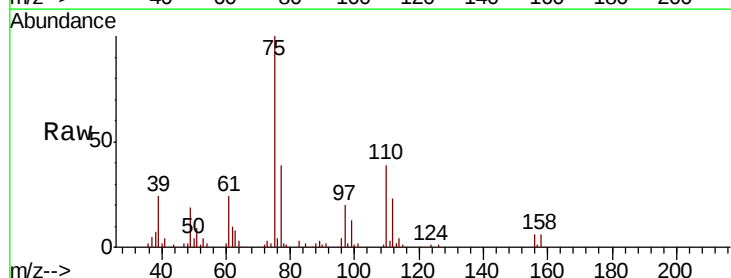
Acq: 29 May 2019 12:53

Tgt Ion: 75 Resp: 110374

Ion Ratio Lower Upper

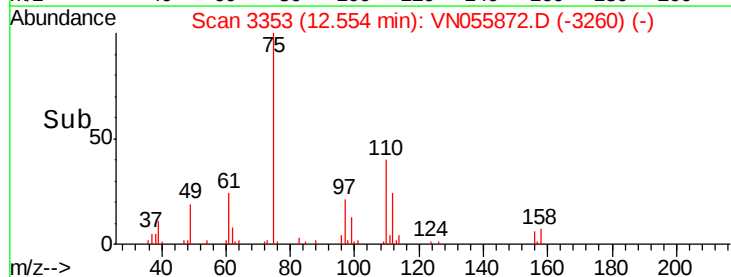
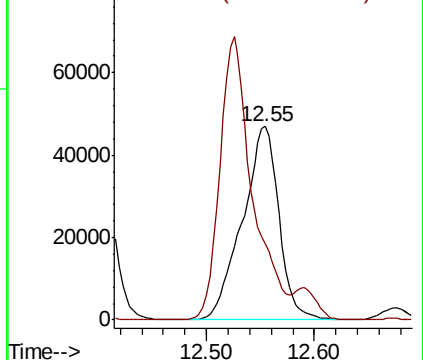
75 100

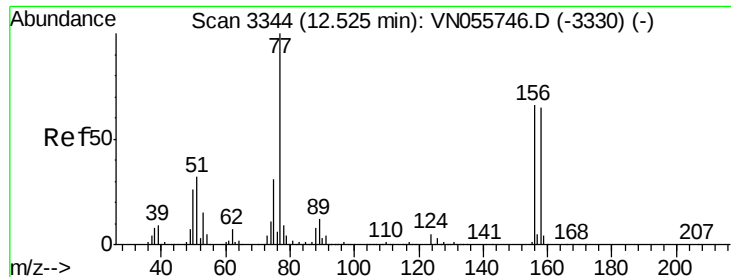
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055872.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055872.D (-3260) (-)





#77

Bromobenzene

Concen: 21.056 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

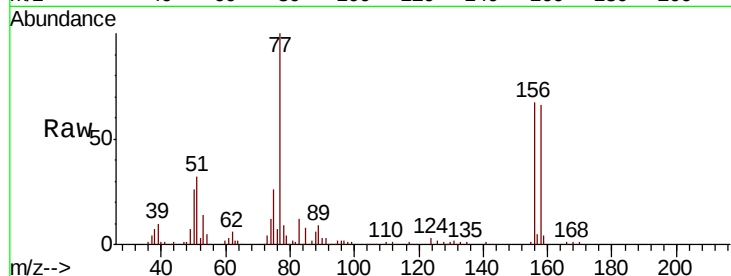
Tot Ion:156 Resp: 81460

Ion Ratio Lower Upper

156 100

77 176.7 90.8 272.5

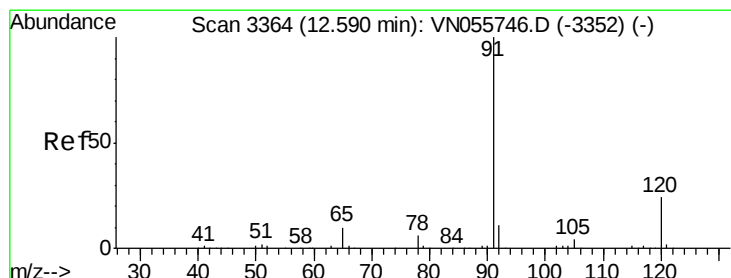
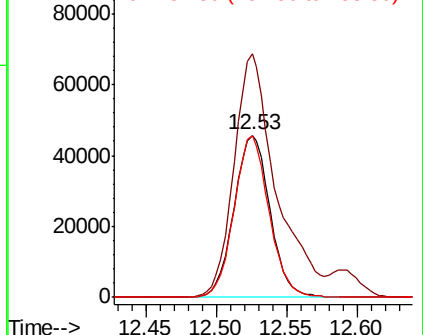
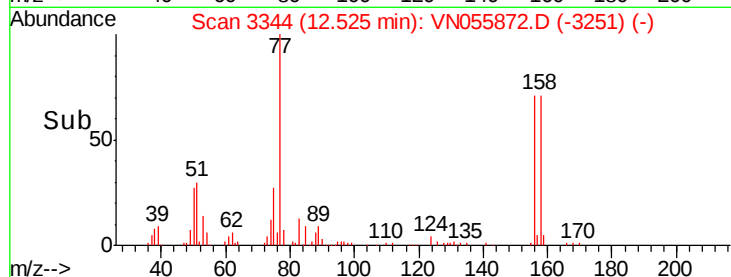
158 97.3 49.3 147.8



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: 20.646 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055872.D

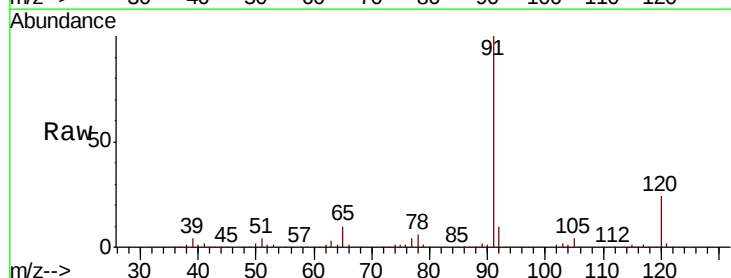
Acq: 29 May 2019 12:53

Tgt Ion: 91 Resp: 325329

Ion Ratio Lower Upper

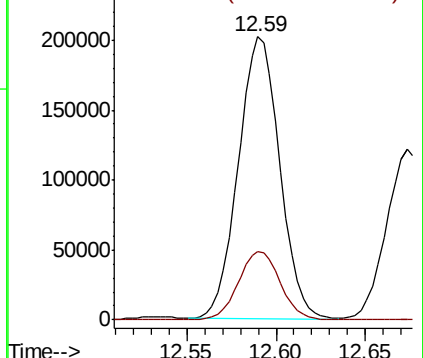
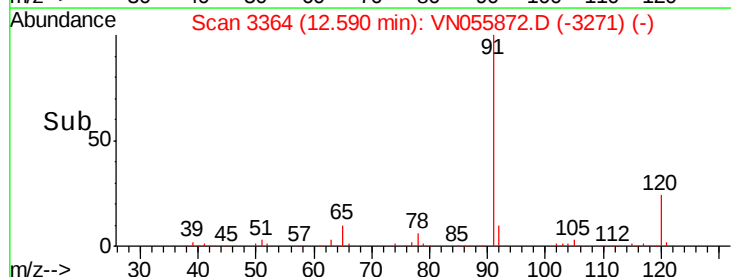
91 100

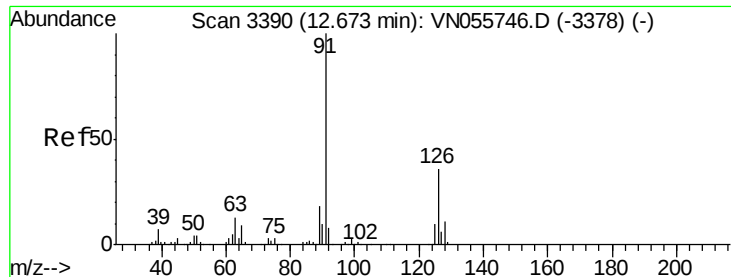
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.297 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

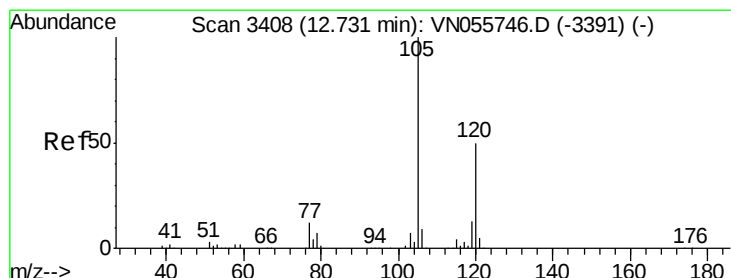
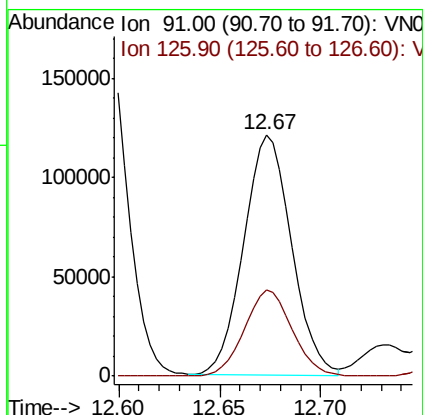
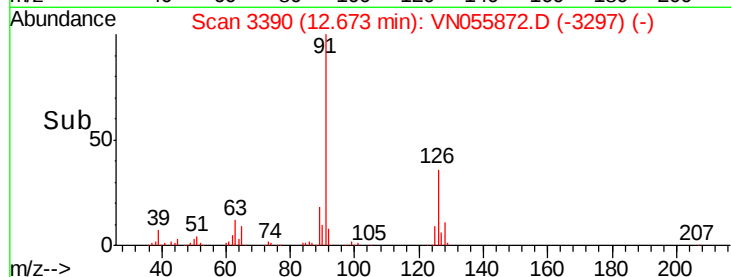
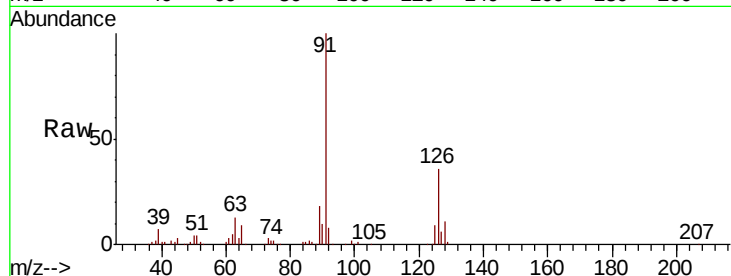
VN0529MBSD01

Tot Ion: 91 Resp: 201241

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.235 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055872.D

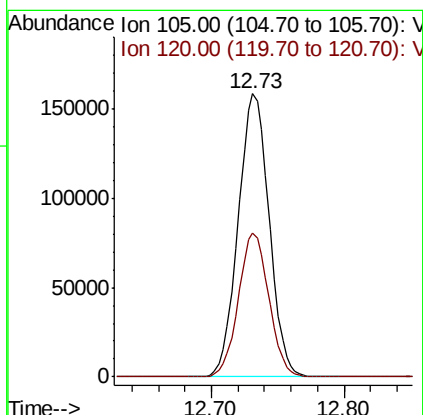
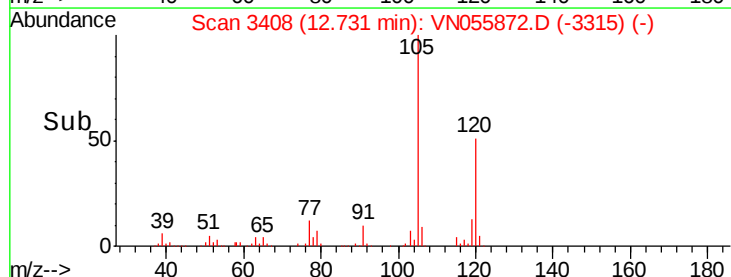
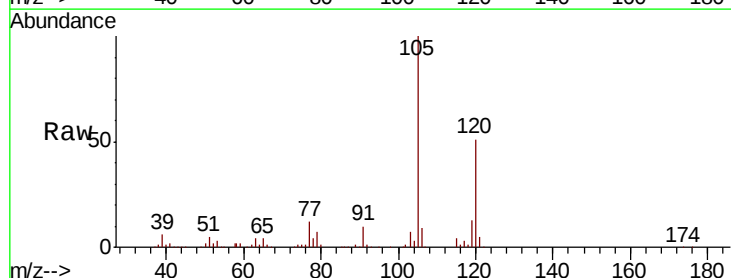
Acq: 29 May 2019 12:53

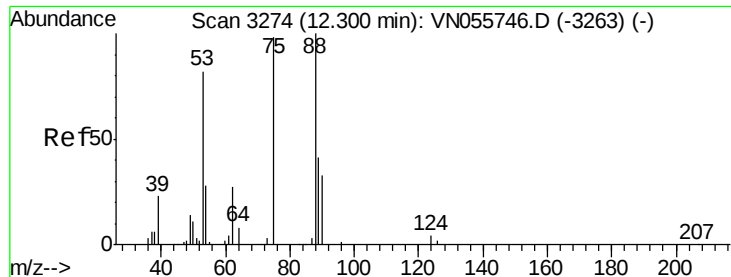
Tgt Ion: 105 Resp: 256800

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1

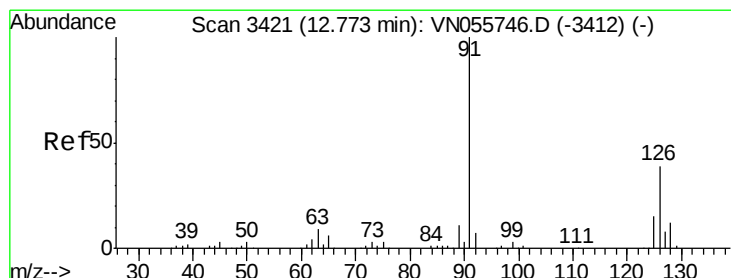
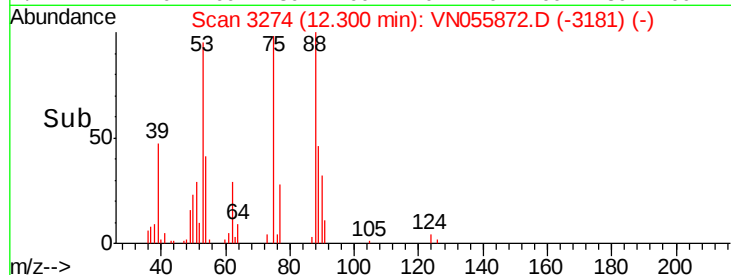
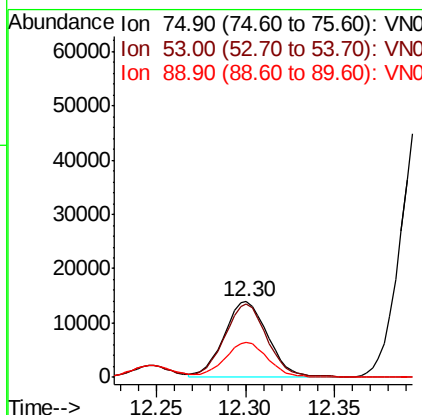
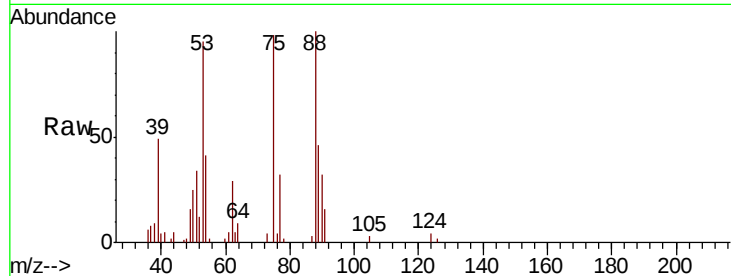




#81
trans-1,4-Dichloro-2-butene
Concen: 17.738 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

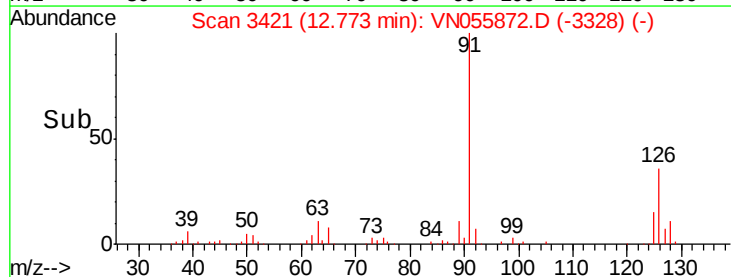
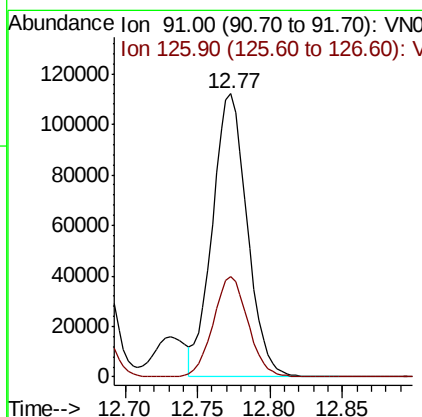
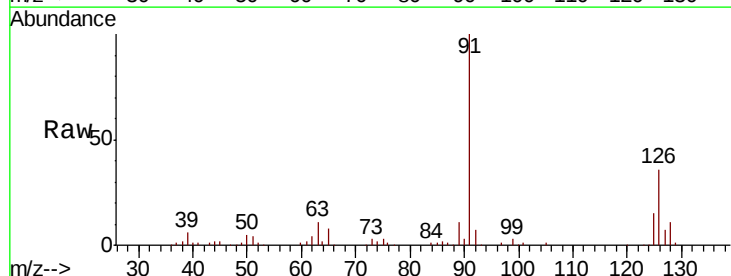
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

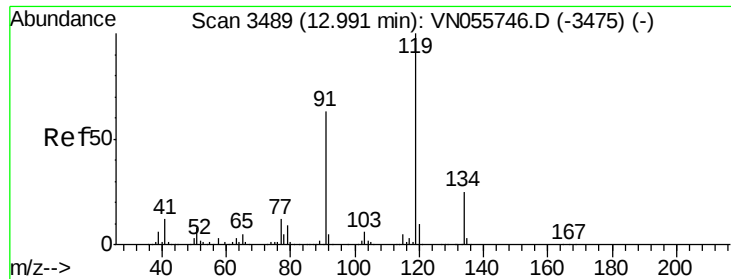
Tot Ion: 75 Resp: 23902
Ion Ratio Lower Upper
75 100
53 94.1 68.1 102.1
89 45.0 36.9 55.3



#82
4-Chlorotoluene
Concen: 20.256 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 91 Resp: 187628
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.3

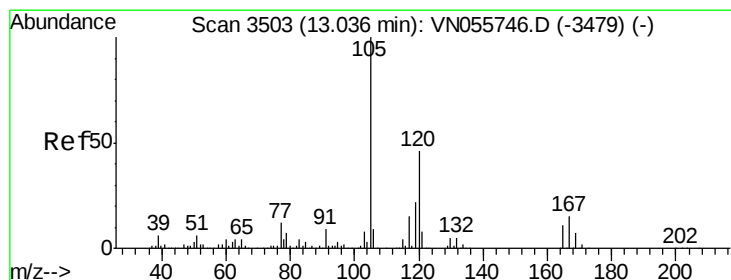
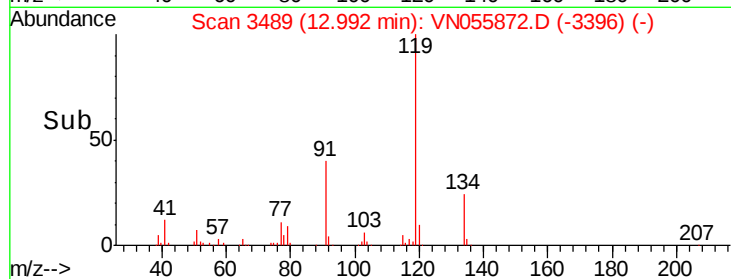
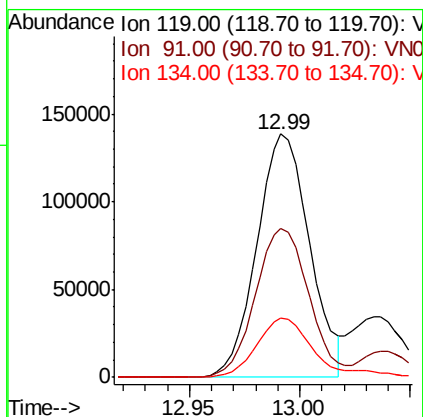
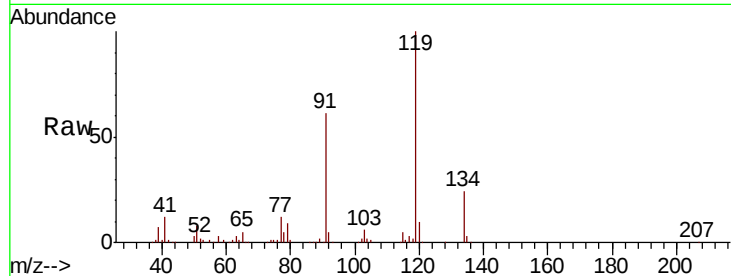




#83
tert-Butylbenzene
Concen: 22.809 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

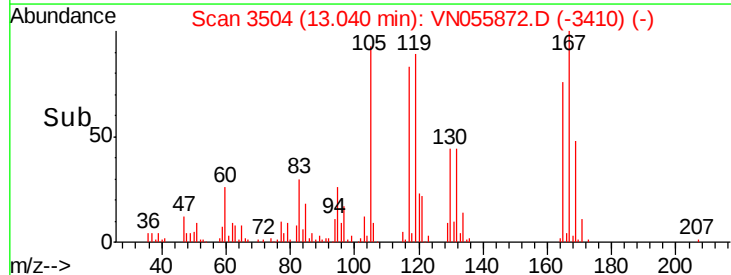
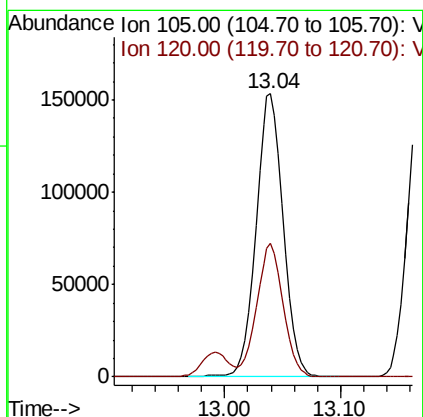
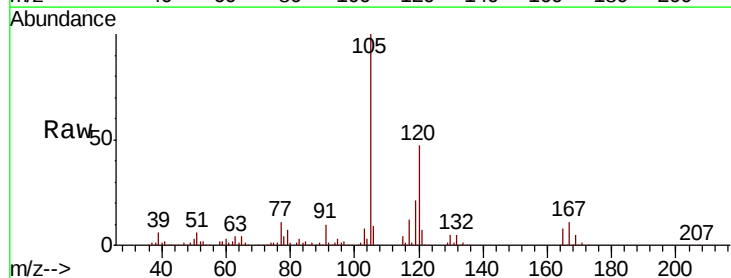
Instrument :
MSVOA_N
ClientSampled :
VN0529MBSD01

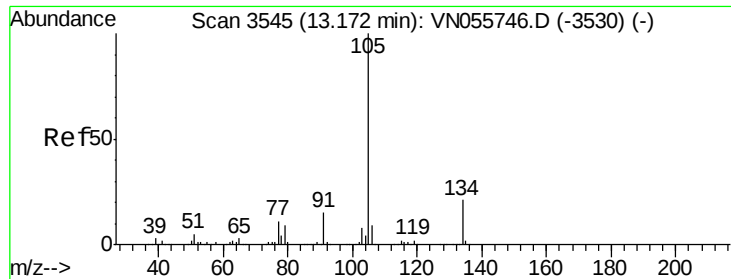
Tot Ion:119 Resp: 229467
Ion Ratio Lower Upper
119 100
91 61.8 30.9 92.8
134 26.4 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 21.763 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion:105 Resp: 250189
Ion Ratio Lower Upper
105 100
120 45.8 23.0 69.0





#85

sec-Butylbenzene

Concen: 22.527 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

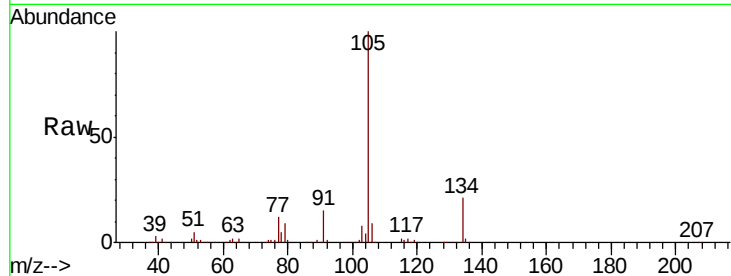
VN0529MBSD01

Tot Ion:105 Resp: 290778

Ion Ratio Lower Upper

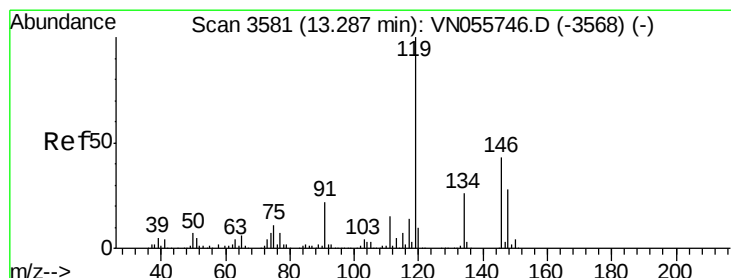
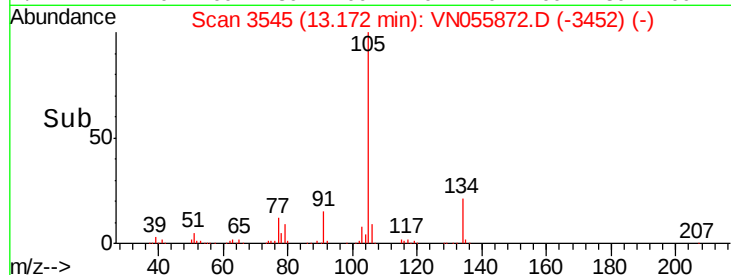
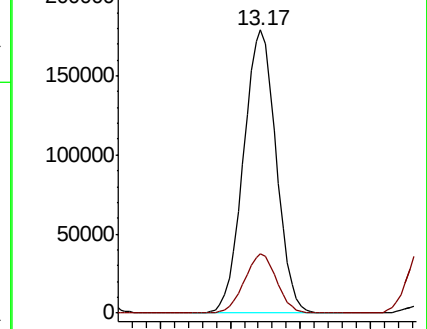
105 100

134 20.7 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: 20.551 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

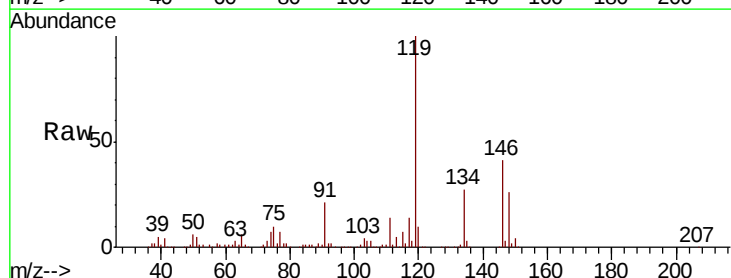
Tgt Ion:119 Resp: 258753

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

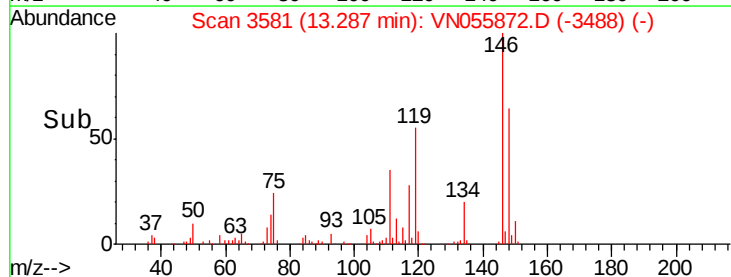
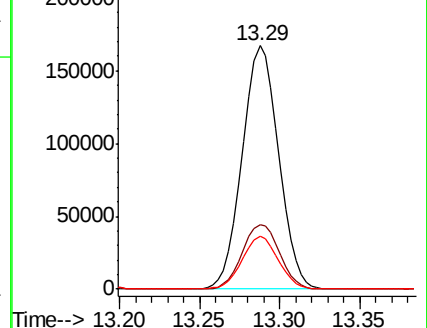
91 21.5 10.9 32.9

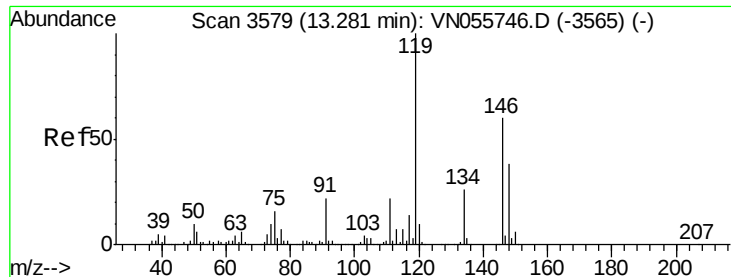


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

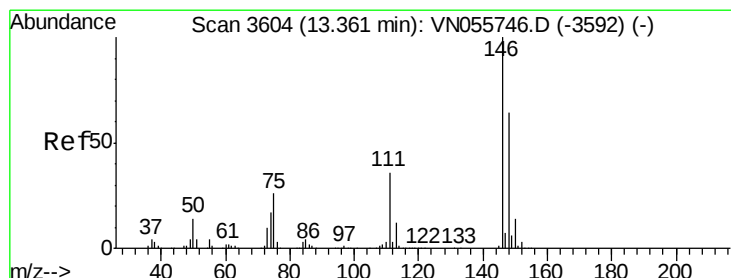
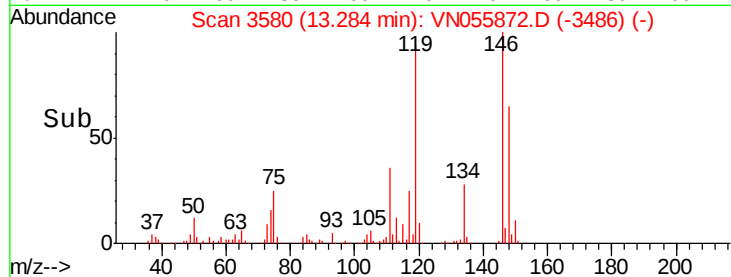
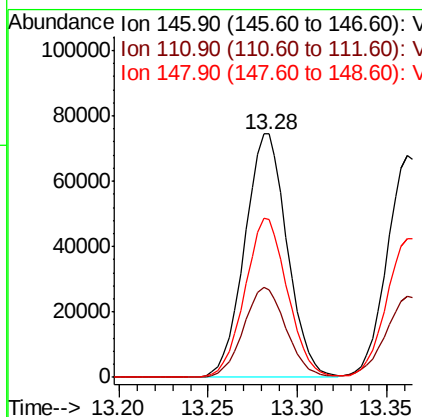
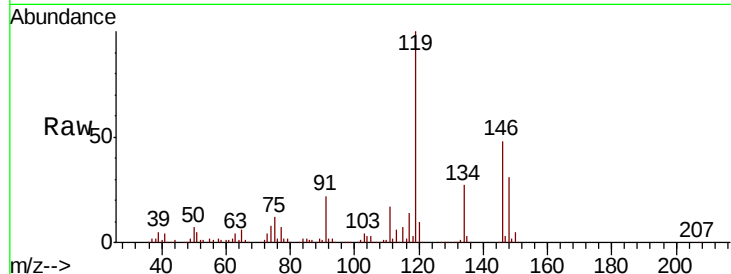




#87
 1,3-Dichlorobenzene
 Concen: 20.283 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

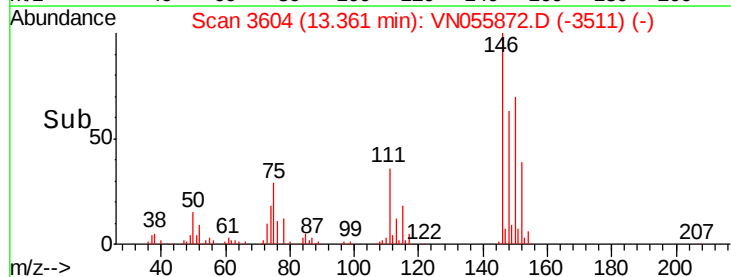
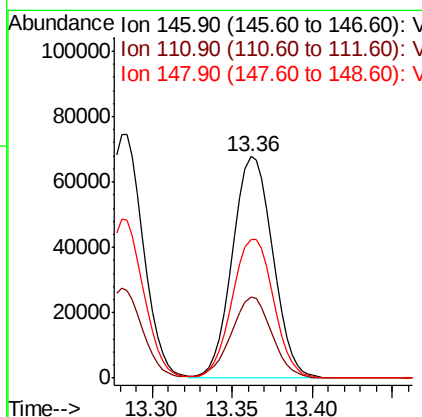
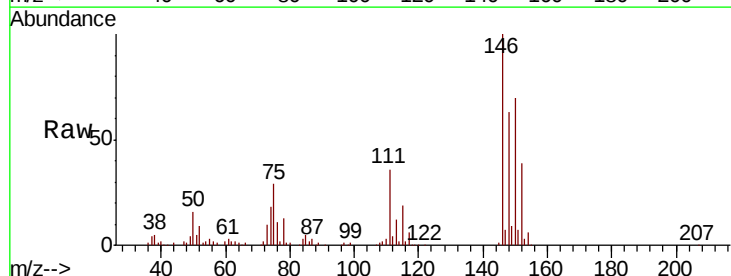
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0529MBSD01

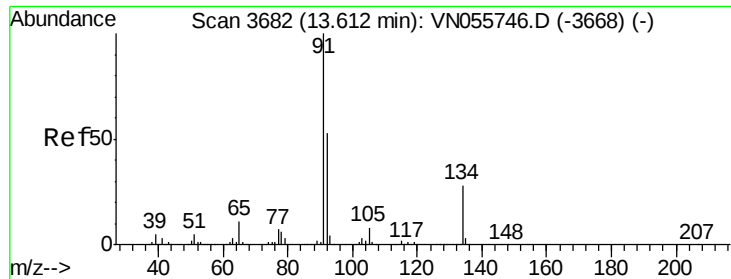
Tot Ion:146 Resp: 124253
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.5 55.5
 148 65.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.088 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055872.D
 Acq: 29 May 2019 12:53

Tgt Ion:146 Resp: 116998
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.4
 148 64.5 32.1 96.5

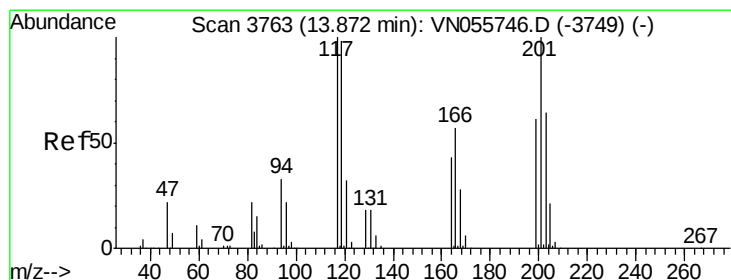
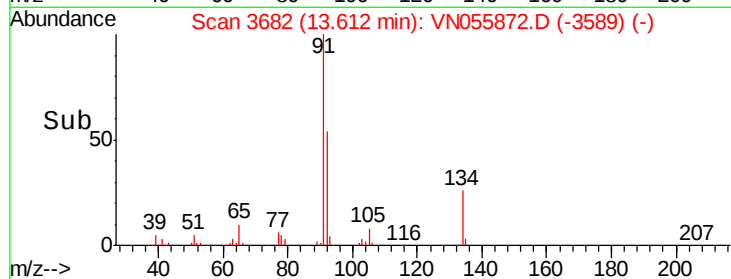
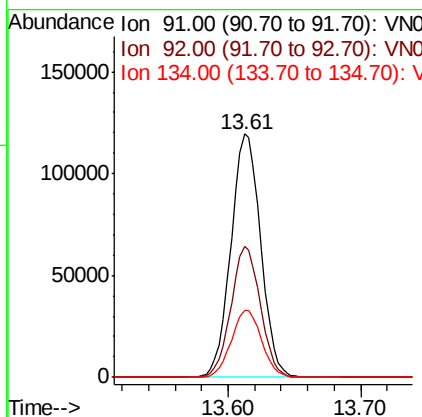
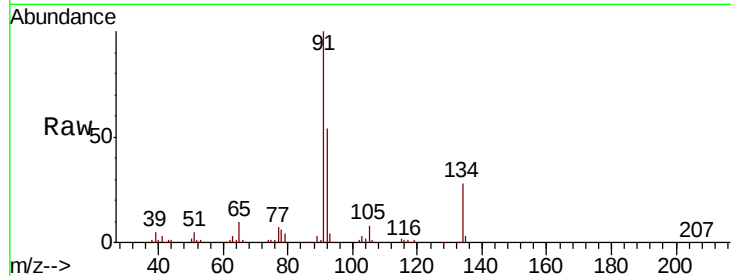




#89
n-Butylbenzene
Concen: 19.287 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

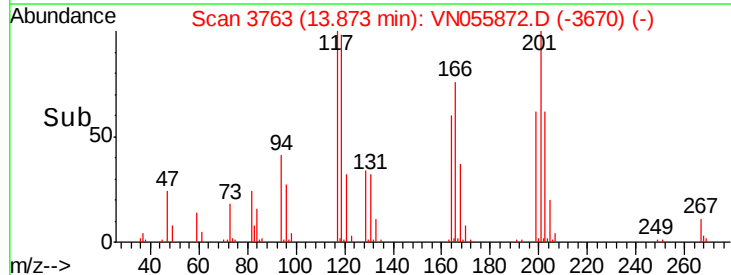
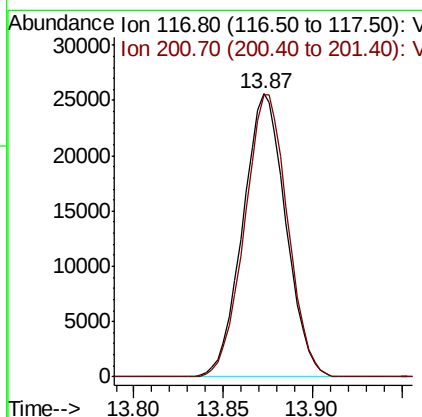
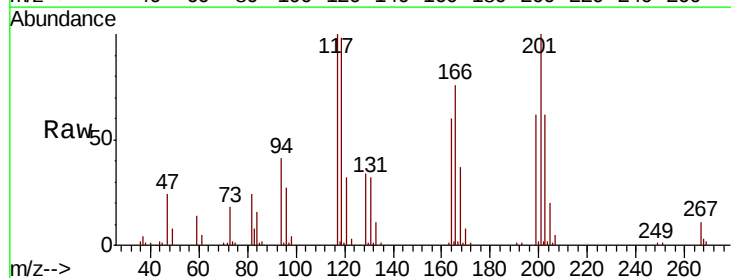
Instrument :
MSVOA_N
ClientSampleId :
VN0529MBS01

Tot Ion: 91 Resp: 186058
Ion Ratio Lower Upper
91 100
92 53.0 26.4 79.0
134 27.9 13.9 41.7



#90
Hexachloroethane
Concen: 18.036 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion: 117 Resp: 43224
Ion Ratio Lower Upper
117 100
201 99.5 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.850 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

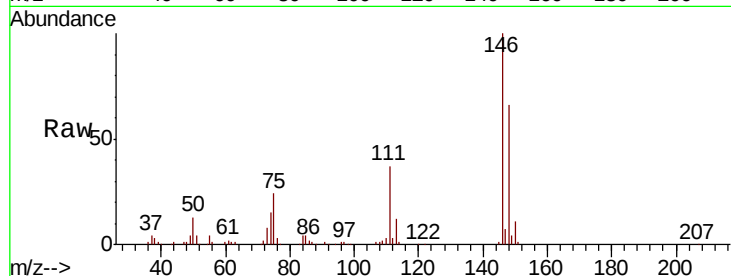
Tot Ion:146 Resp: 127430

Ion Ratio Lower Upper

146 100

111 37.3 19.1 57.5

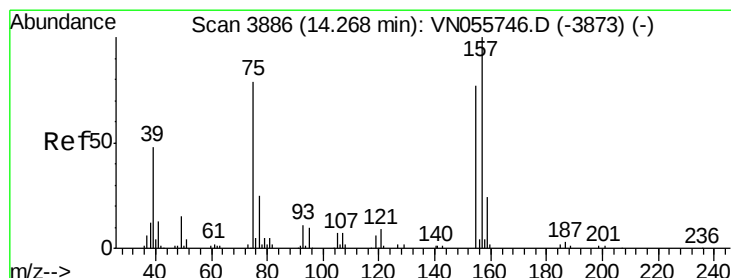
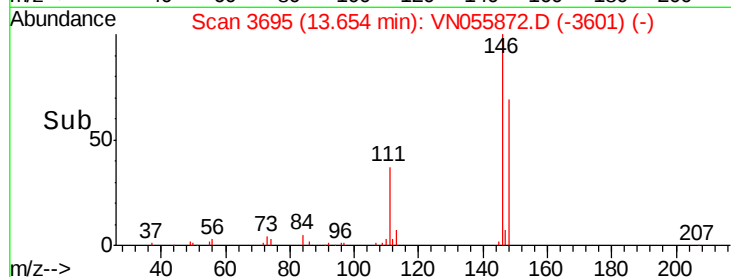
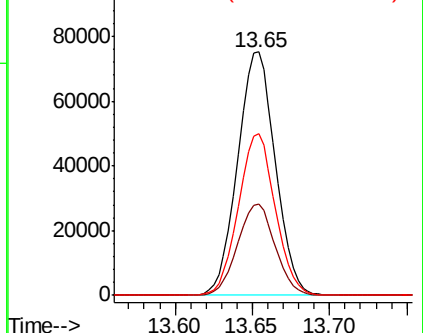
148 64.9 31.9 95.9



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: 18.432 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

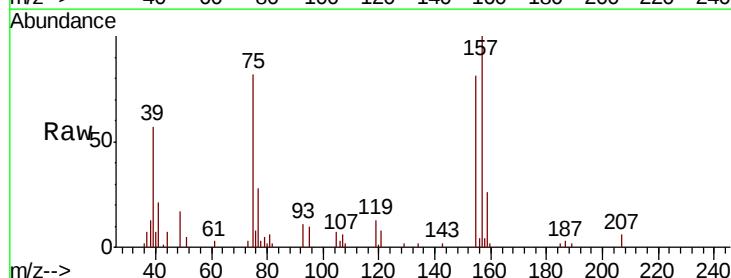
Tgt Ion: 75 Resp: 14807

Ion Ratio Lower Upper

75 100

155 102.4 50.0 150.1

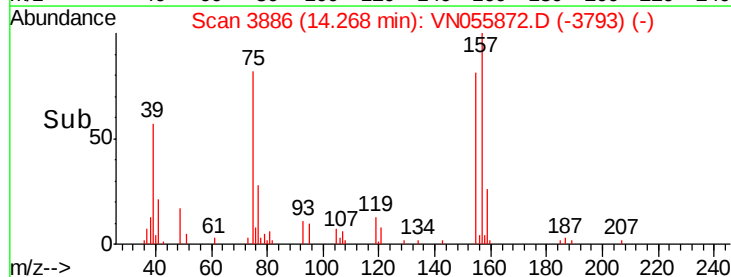
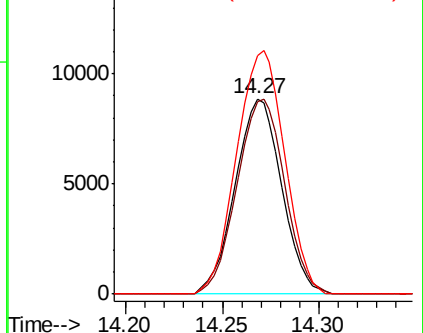
157 129.1 64.8 194.3

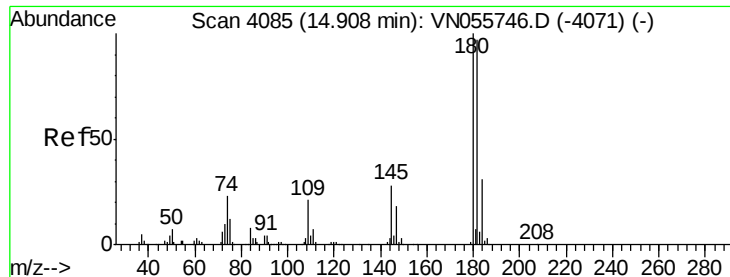


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.411 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN0529MBSD01

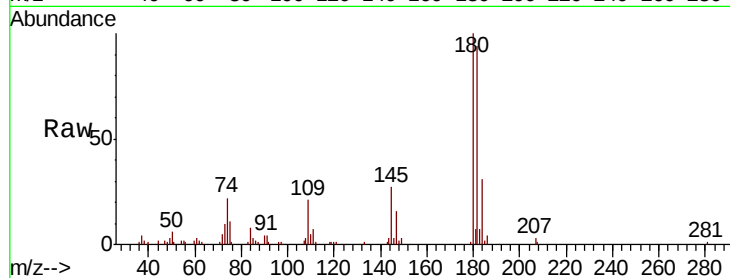
Tot Ion:180 Resp: 56028

Ion Ratio Lower Upper

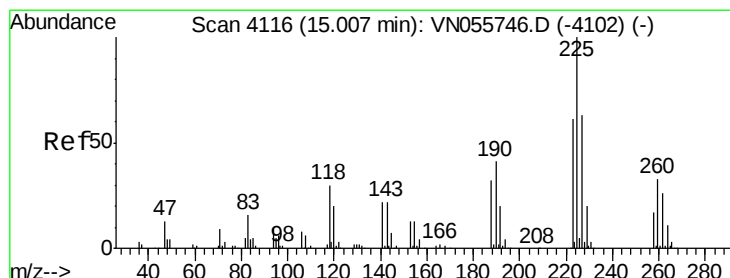
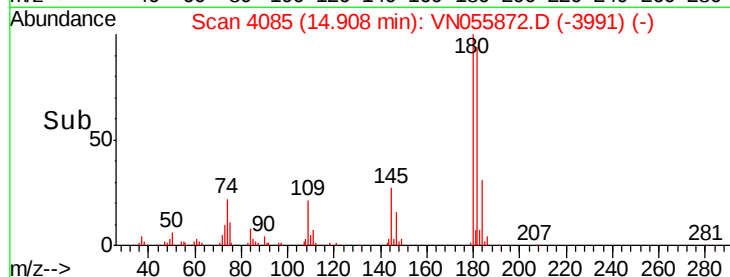
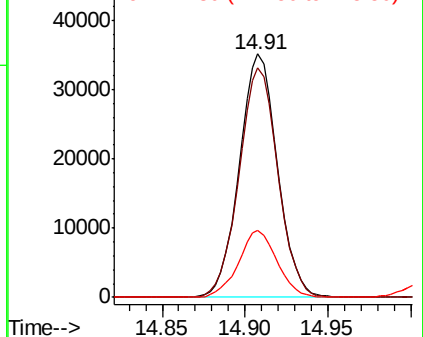
180 100

182 95.7 48.3 144.9

145 27.7 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: 21.423 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055872.D

Acq: 29 May 2019 12:53

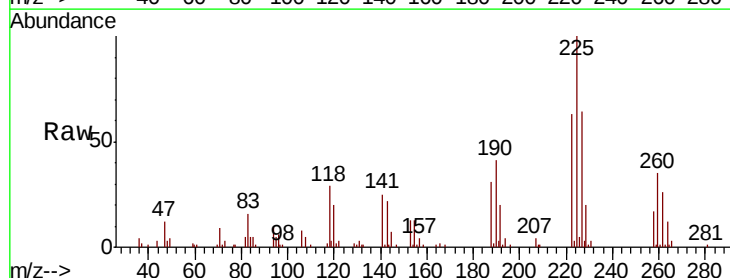
Tgt Ion:225 Resp: 48324

Ion Ratio Lower Upper

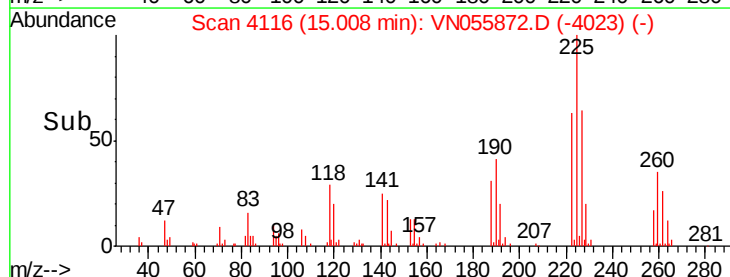
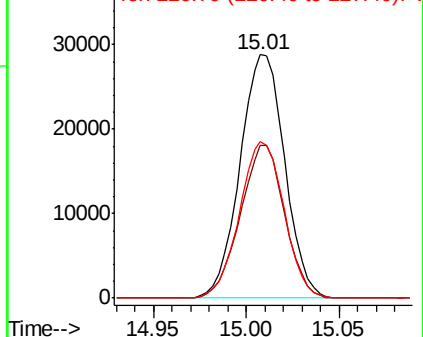
225 100

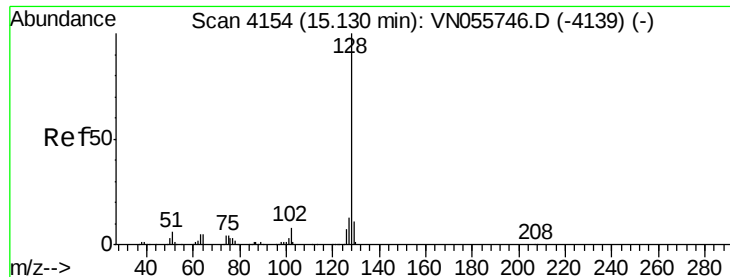
223 62.0 30.9 92.7

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

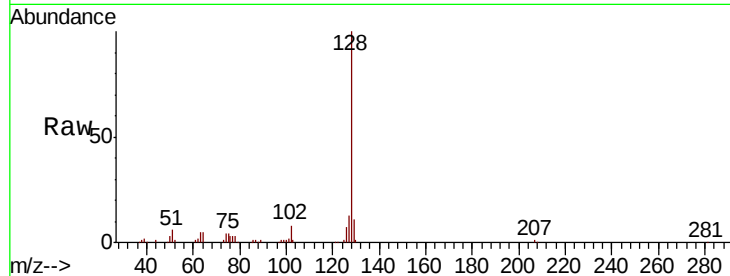




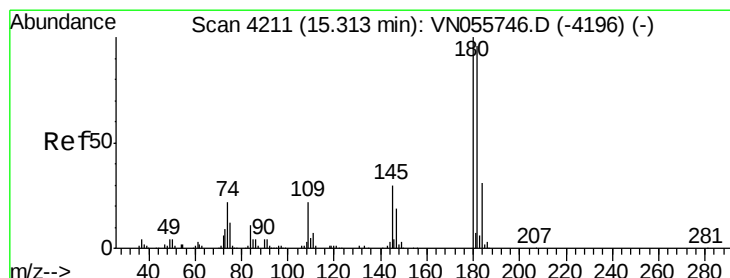
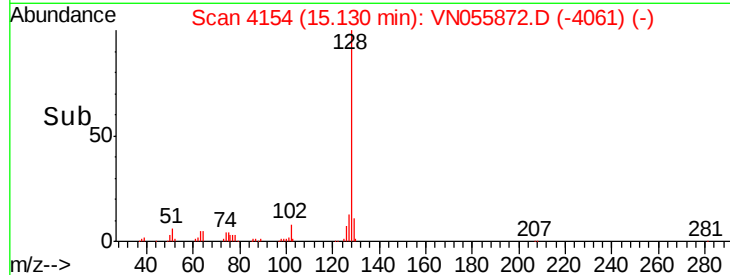
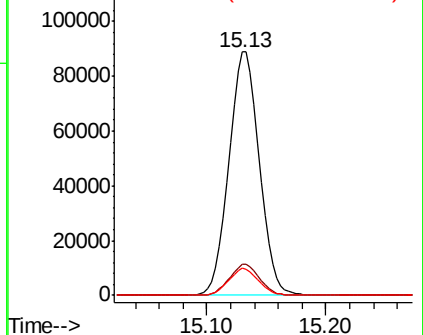
#95
Naphthalene
Concen: 18.782 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
VN0529MBSD01

Tot Ion:128 Resp: 157523
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 10.9 8.7 13.1

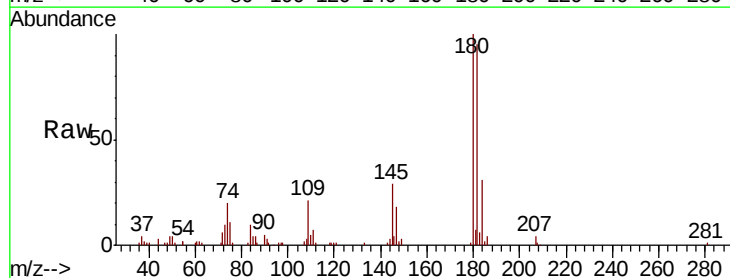


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.529 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055872.D
Acq: 29 May 2019 12:53

Tgt Ion:180 Resp: 63095
Ion Ratio Lower Upper
180 100
182 96.5 47.9 143.7
145 29.2 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

