

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055981.D
 Acq On : 4 Jun 2019 10:52
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

Quant Time: Jun 05 01:12:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	333620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	490379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	443874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204945	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	167345	50.52	ug/l	0.00
Spiked Amount						
			Recovery	=	101.04%	
35) Dibromofluoromethane	7.59	113	154367	51.31	ug/l	0.00
Spiked Amount						
			Recovery	=	102.62%	
50) Toluene-d8	10.09	98	593274	51.24	ug/l	0.00
Spiked Amount						
			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	203951	51.80	ug/l	0.00
Spiked Amount						
			Recovery	=	103.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	185484	50.603	ug/l	99
3) Chloromethane	2.06	50	194298	53.726	ug/l	99
4) Vinyl Chloride	2.19	62	193765	53.414	ug/l	99
5) Bromomethane	2.54	94	126515	55.209	ug/l	99
6) Chloroethane	2.69	64	112315	53.400	ug/l	99
7) Trichlorofluoromethane	3.01	101	237335	51.248	ug/l	98
8) Diethyl Ether	3.40	74	96400	50.618	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	146969	52.243	ug/l	99
10) Methyl Iodide	3.94	142	219183	49.028	ug/l	99
11) Tert butyl alcohol	4.81	59	142986	248.042	ug/l	100
12) 1,1-Dichloroethene	3.72	96	145924	52.103	ug/l	97
13) Acrolein	3.60	56	43459	261.400	ug/l	94
14) Allyl chloride	4.31	41	233649	52.833	ug/l	99
15) Acrylonitrile	4.99	53	373192	265.946	ug/l	100
16) Acetone	3.82	43	383310	241.943	ug/l	100
17) Carbon Disulfide	4.04	76	374899	55.906	ug/l	99
18) Methyl Acetate	4.32	43	158619	50.981	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	459421	51.462	ug/l	100
20) Methylene Chloride	4.54	84	164297	50.336	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	157055	52.337	ug/l	97
22) Diisopropyl ether	5.95	45	463106	50.658	ug/l	99
23) Vinyl Acetate	5.89	43	1950841	270.980	ug/l	100
24) 1,1-Dichloroethane	5.84	63	268485	50.914	ug/l	100
25) 2-Butanone	6.84	43	523709	261.631	ug/l	100
26) 2,2-Dichloropropane	6.82	77	214940	52.235	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	180561	51.188	ug/l	97
28) Bromochloromethane	7.19	49	123078	49.354	ug/l	98
29) Tetrahydrofuran	7.21	42	321168	259.564	ug/l	98
30) Chloroform	7.37	83	272131	51.299	ug/l	100
31) Cyclohexane	7.65	56	256279	48.756	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	229309	51.764	ug/l	100
36) 1,1-Dichloropropene	7.79	75	207537	49.219	ug/l	99
37) Ethyl Acetate	6.93	43	198372	52.875	ug/l	100
38) Carbon Tetrachloride	7.77	117	196068	50.436	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260960	49.682	ug/l	98
40) Benzene	8.04	78	644303	50.310	ug/l	99
41) Methacrylonitrile	7.17	41	90120	52.209	ug/l	94
42) 1,2-Dichloroethane	8.12	62	200996	48.792	ug/l	99
43) Isopropyl Acetate	8.17	43	311635	51.260	ug/l	99
44) Trichloroethene	8.83	130	183266	49.801	ug/l	99
45) 1,2-Dichloropropane	9.12	63	166403	50.727	ug/l	100
46) Dibromomethane	9.21	93	109751	51.164	ug/l	100
47) Bromodichloromethane	9.40	83	202740	52.148	ug/l	100
48) Methyl methacrylate	9.20	41	149207	50.166	ug/l	95
49) 1,4-Dioxane	9.20	88	66249	1031.731	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	970226	255.198	ug/l	99
52) Toluene	10.15	92	404163	50.716	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	220125	48.375	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	252675	54.069	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	160329	50.790	ug/l	99
56) Ethyl methacrylate	10.43	69	241299	52.396	ug/l	99
57) 1,3-Dichloropropane	10.71	76	258630	50.399	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	423216	232.867	ug/l	99
59) 2-Hexanone	10.75	43	707663	256.819	ug/l	99
60) Dibromochloromethane	10.90	129	164967	47.512	ug/l	98
61) 1,2-Dibromoethane	11.00	107	166503	51.595	ug/l	99
64) Tetrachloroethene	10.63	164	178719	46.514	ug/l	100
65) Chlorobenzene	11.43	112	435952	49.349	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	157717	51.706	ug/l	99
67) Ethyl Benzene	11.51	91	761405	49.568	ug/l	99
68) m/p-Xylenes	11.62	106	585875	99.842	ug/l	100
69) o-Xylene	11.94	106	287041	49.729	ug/l	99
70) Styrene	11.96	104	481783	52.533	ug/l	99
71) Bromoform	12.12	173	120614	47.258	ug/l #	100
73) Isopropylbenzene	12.25	105	753844	51.685	ug/l	100
74) N-amyl acetate	12.07	43	267744	49.009	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	222201	46.704	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	263413	69.851	ug/l #	100
77) Bromobenzene	12.52	156	204515	46.610	ug/l	97
78) n-propylbenzene	12.59	91	824628	47.561	ug/l	100
79) 2-Chlorotoluene	12.67	91	496778	51.737	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	630668	45.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58182	51.380	ug/l	94
82) 4-Chlorotoluene	12.77	91	491599	48.464	ug/l	100
83) tert-Butylbenzene	12.99	119	553419	51.864	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	619846	47.435	ug/l	99
85) sec-Butylbenzene	13.17	105	720300	46.911	ug/l	100
86) p-Isopropyltoluene	13.29	119	657696	47.861	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	339979	50.063	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	326518	49.982	ug/l	99
89) n-Butylbenzene	13.61	91	519716	51.054	ug/l	100
90) Hexachloroethane	13.87	117	102291	49.359	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	337314	49.197	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37097	54.515	ug/l	99

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

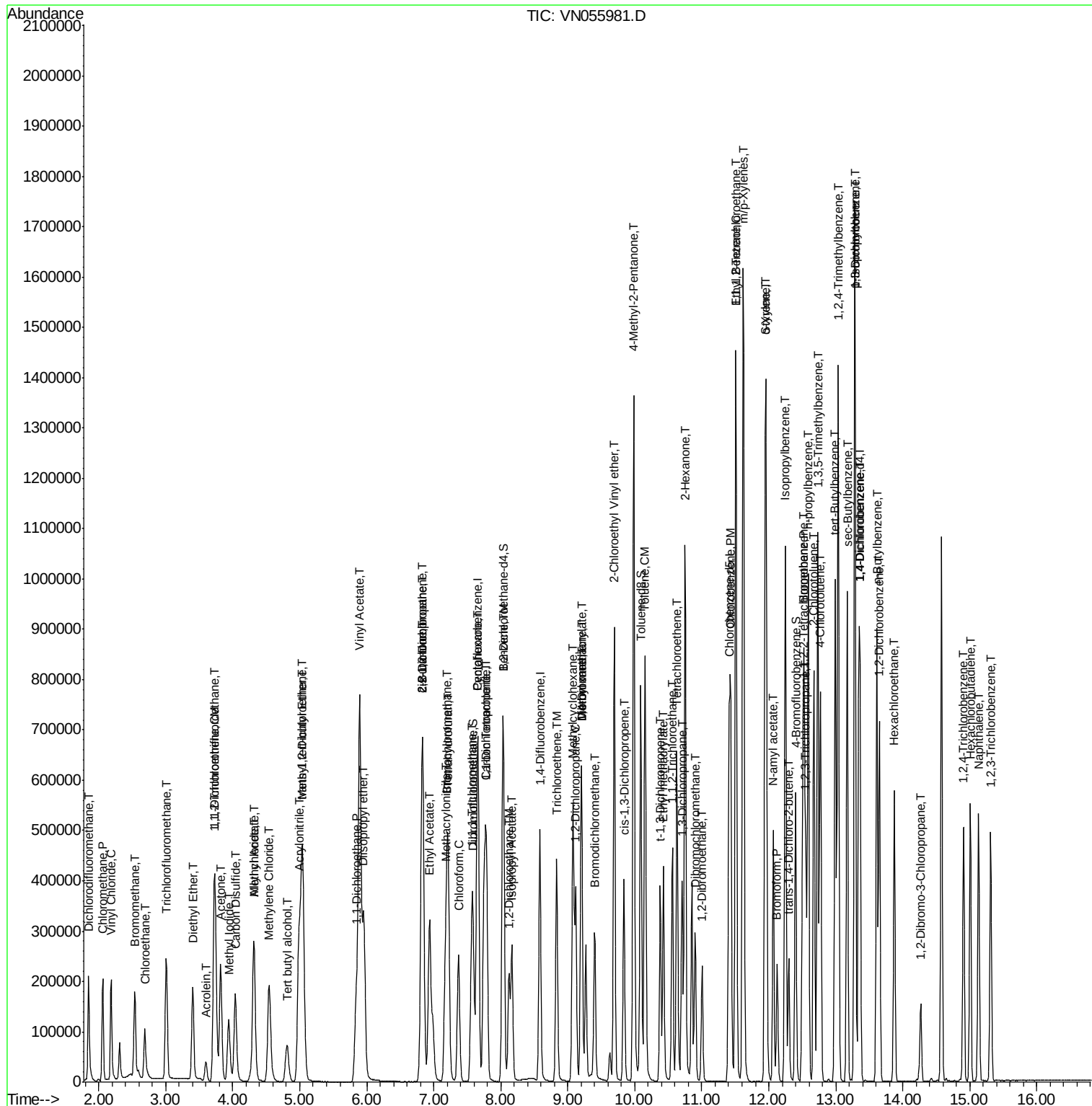
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	184209	48.861	ug/l	99
94) Hexachlorobutadiene	15.01	225	124470	53.058	ug/l	99
95) Naphthalene	15.13	128	489094	49.902	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	194585	50.502	ug/l	99

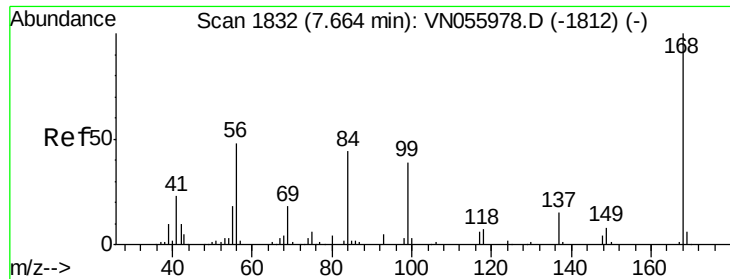
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

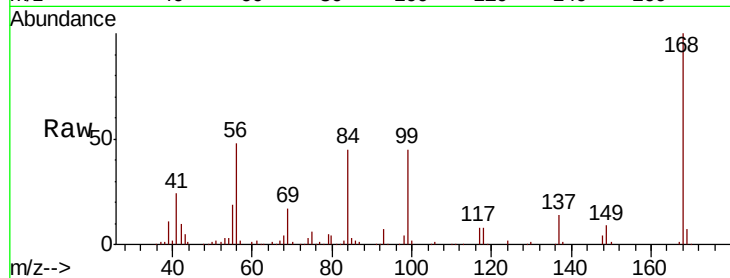
ICVVN060419

Tot Ion:168 Resp: 333620

Ion Ratio Lower Upper

168 100

99 44.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055981.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055981.D (-1739) (-)

7.66

150000

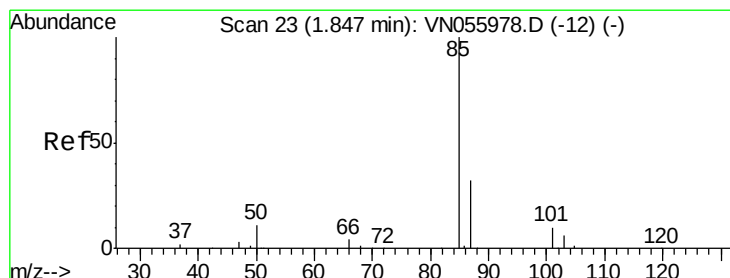
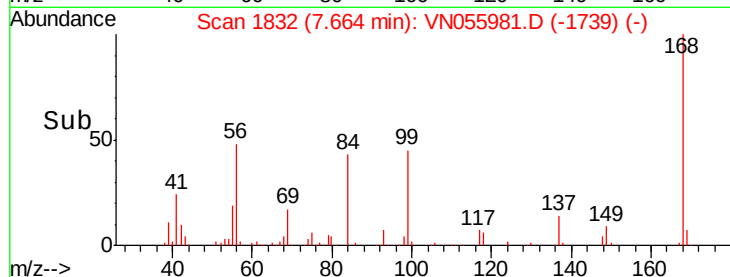
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 50.603 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055981.D

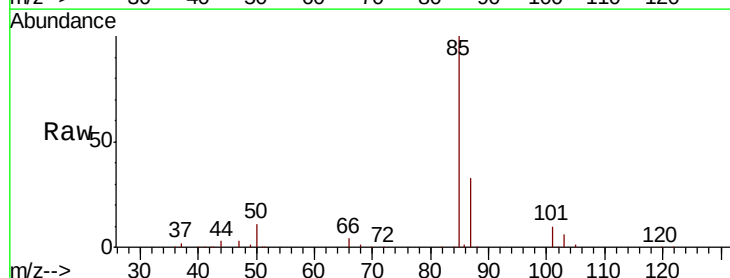
Acq: 4 Jun 2019 10:52

Tgt Ion: 85 Resp: 185484

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055981.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN055981.D (-1) (-)

1.85

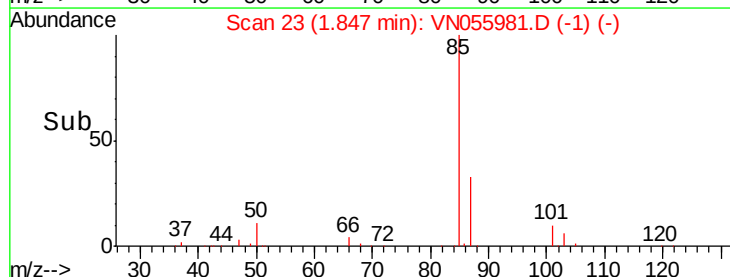
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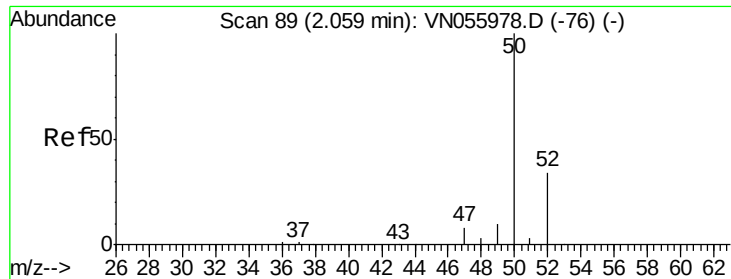
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 53.726 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

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MSVOA_N

ClientSampleId :

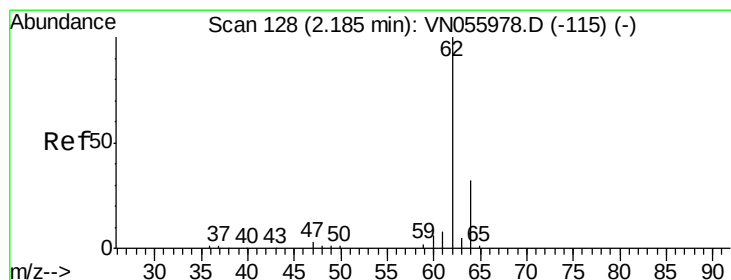
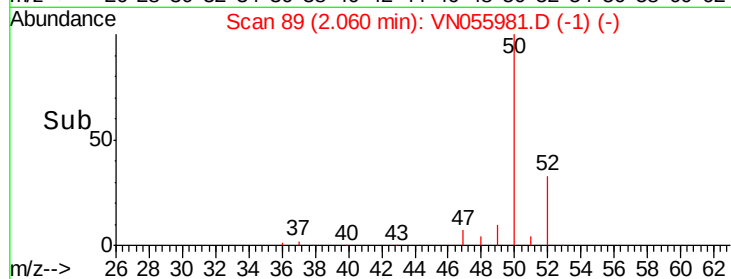
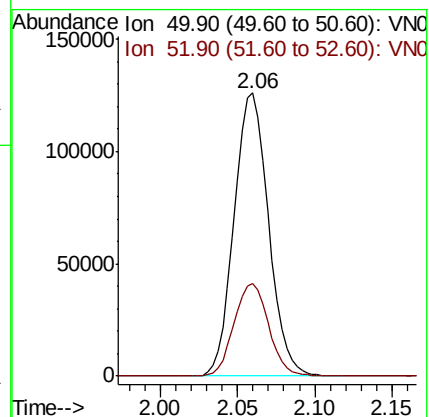
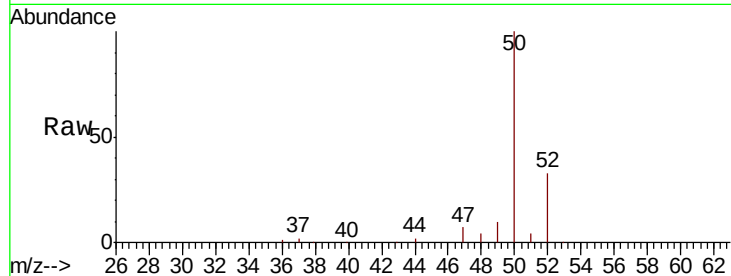
ICVVN060419

Tot Ion: 50 Resp: 194298

Ion Ratio Lower Upper

50 100

52 32.7 26.6 40.0



#4

Vinyl Chloride

Concen: 53.414 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055981.D

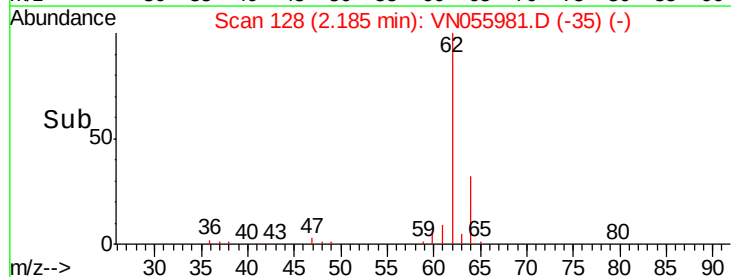
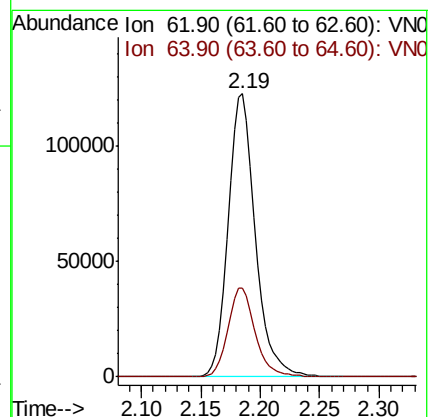
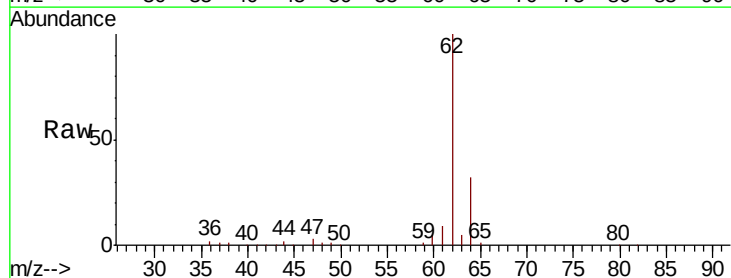
Acq: 4 Jun 2019 10:52

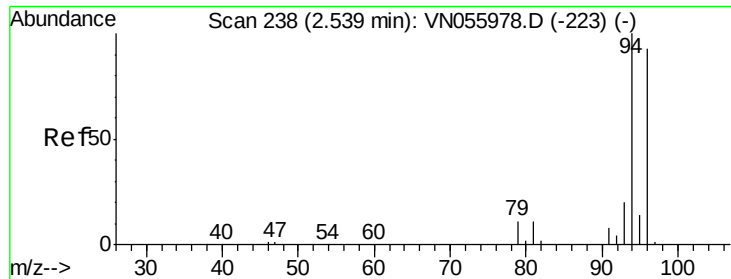
Tgt Ion: 62 Resp: 193765

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4

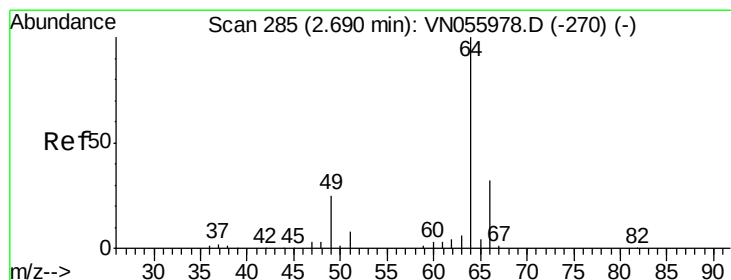
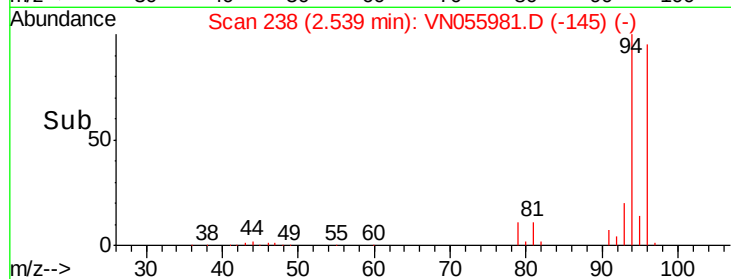
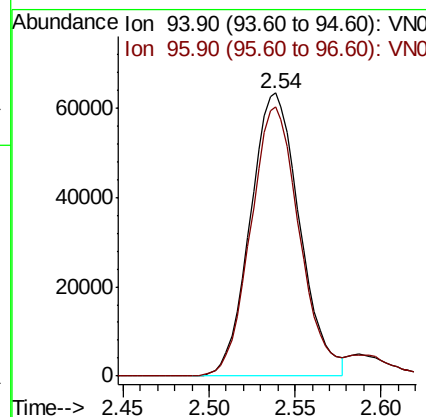
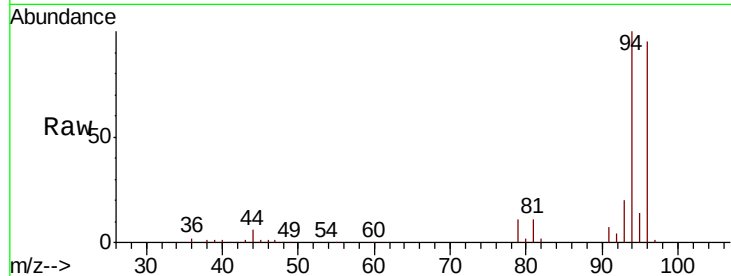




#5
Bromomethane
Concen: 55.209 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN055981.D
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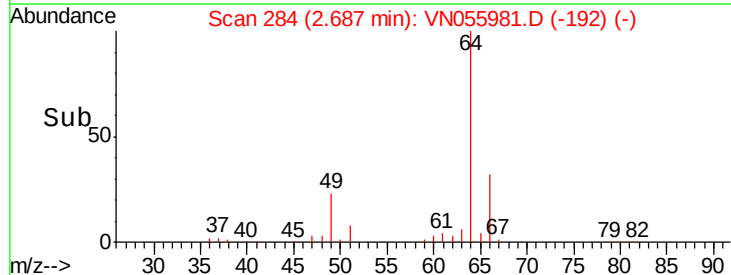
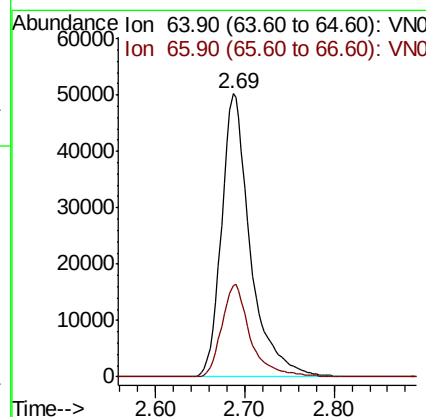
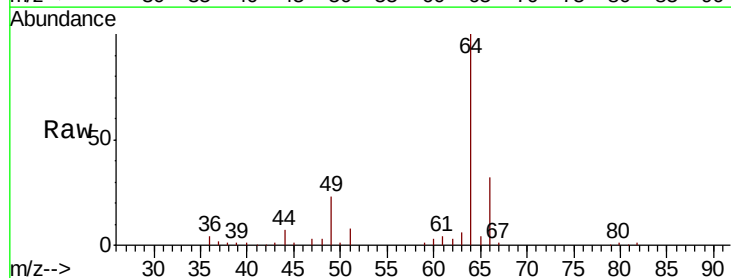
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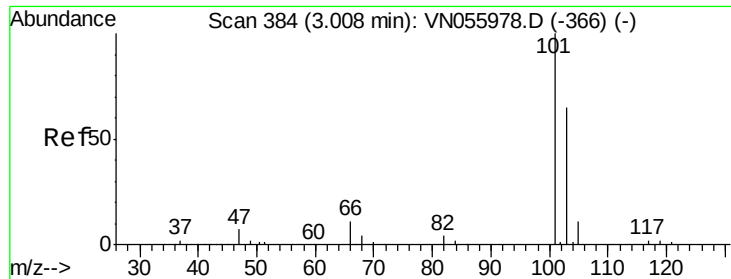
Tot Ion: 94 Resp: 126515
Ion Ratio Lower Upper
94 100
96 95.3 75.5 113.3



#6
Chloroethane
Concen: 53.400 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
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Acq: 4 Jun 2019 10:52

Tgt Ion: 64 Resp: 112315
Ion Ratio Lower Upper
64 100
66 32.1 25.4 38.0



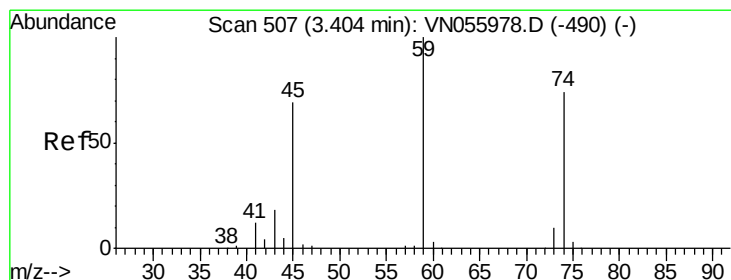
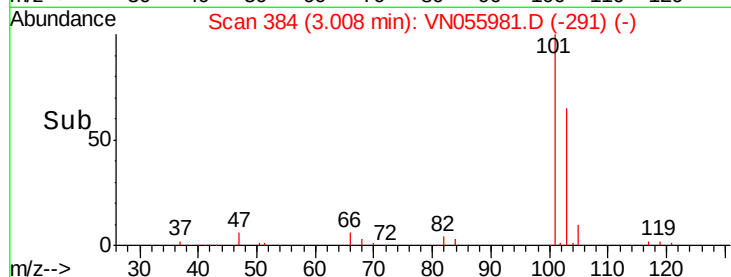
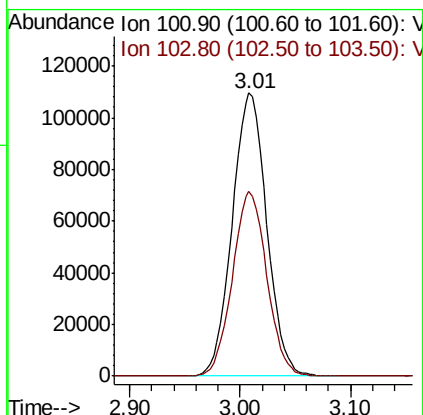
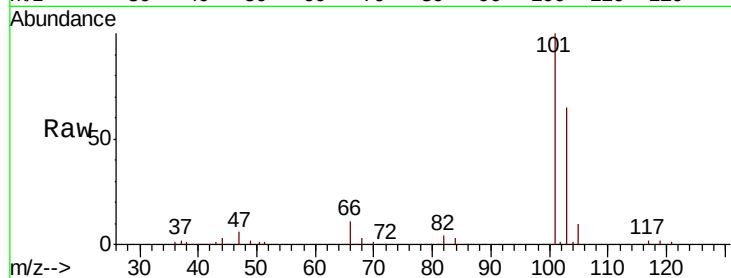


#7

Trichlorofluoromethane
 Concen: 51.248 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
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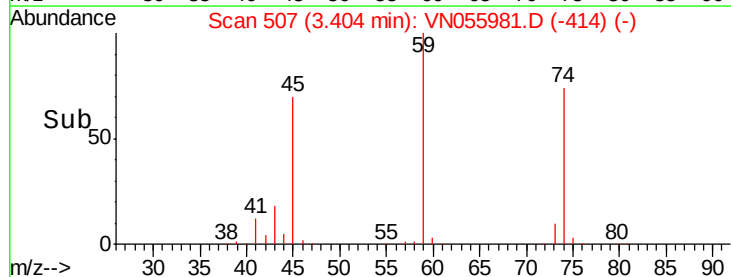
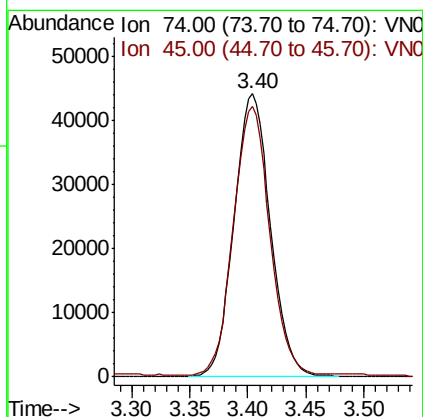
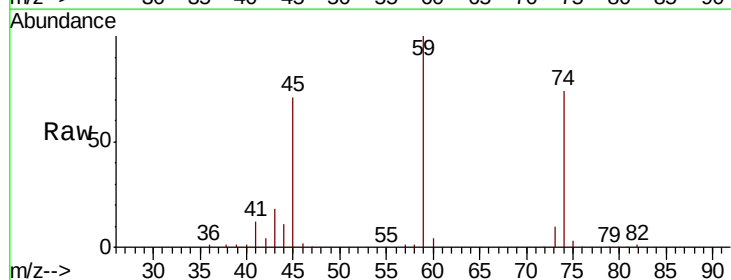
Tot Ion:101 Resp: 237335
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8

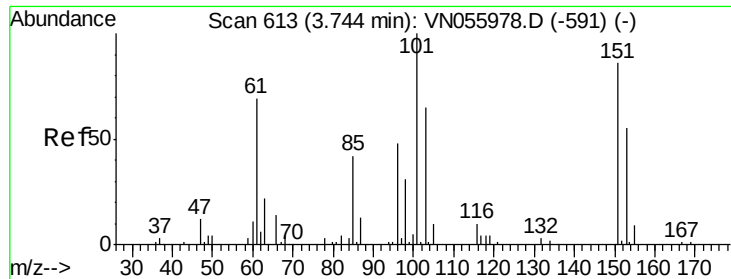


#8

Diethyl Ether
 Concen: 50.618 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
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Tgt Ion: 74 Resp: 96400
 Ion Ratio Lower Upper
 74 100
 45 94.0 48.6 145.9

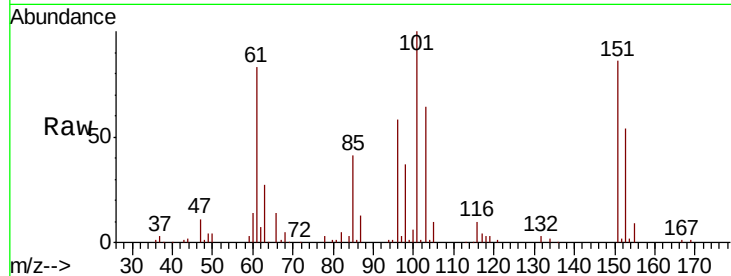




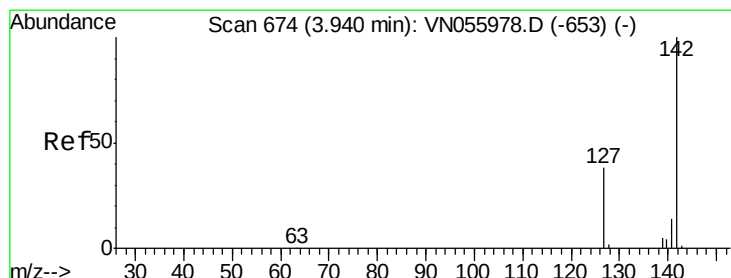
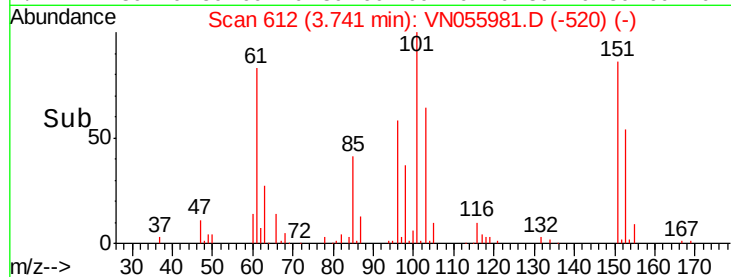
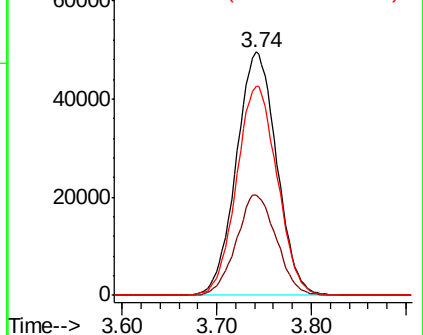
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.243 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

Tot Ion:101 Resp: 146969
 Ion Ratio Lower Upper
 101 100
 85 40.8 33.4 50.2
 151 86.5 69.4 104.2

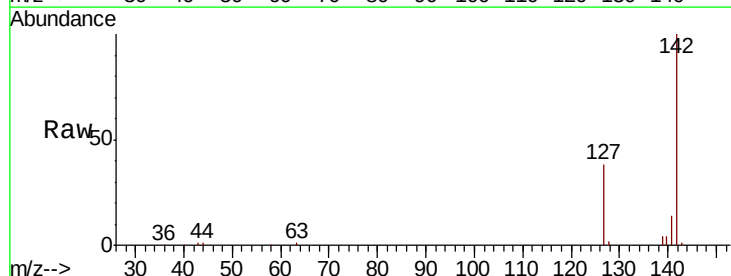


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

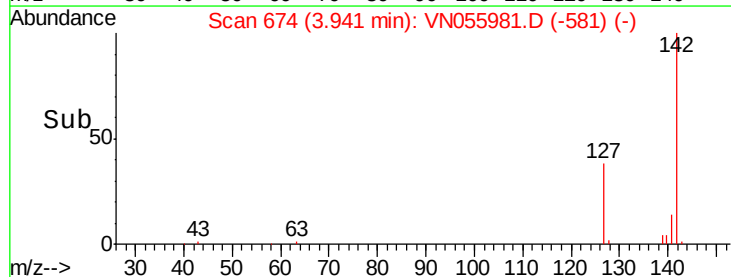
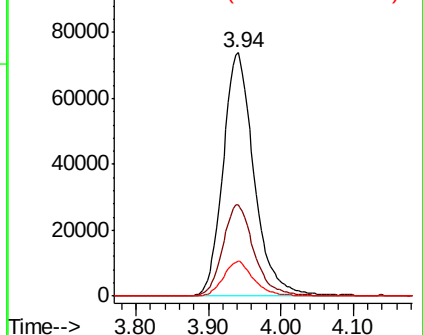


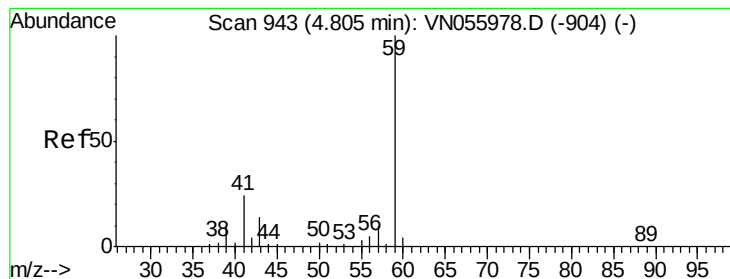
#10
 Methyl Iodide
 Concen: 49.028 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion:142 Resp: 219183
 Ion Ratio Lower Upper
 142 100
 127 37.8 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



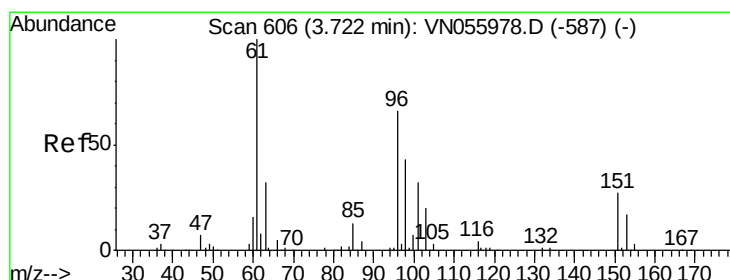
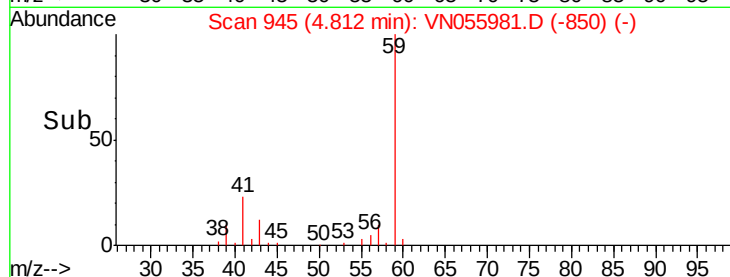
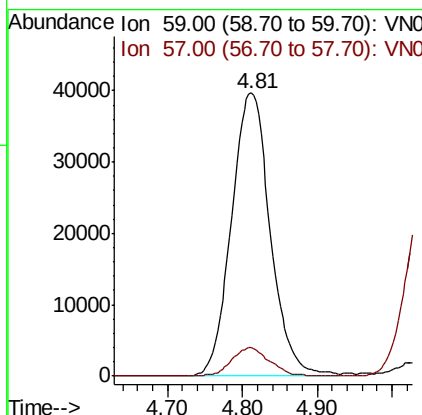
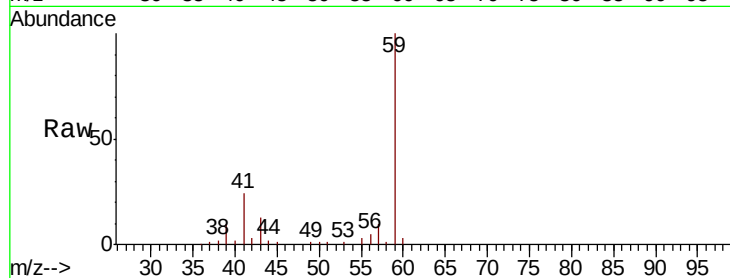


#11

Tert butyl alcohol
 Concen: 248.042 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.01 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

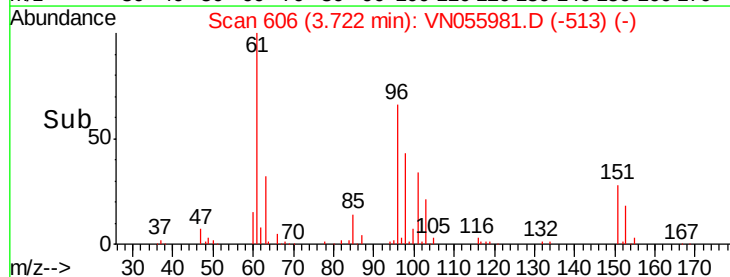
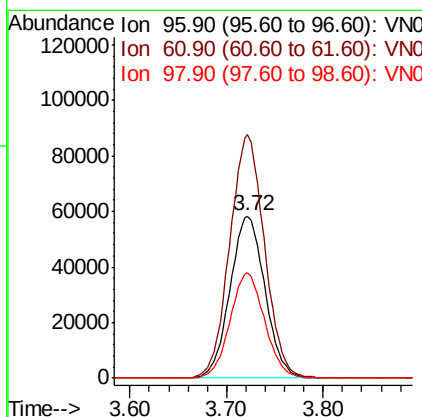
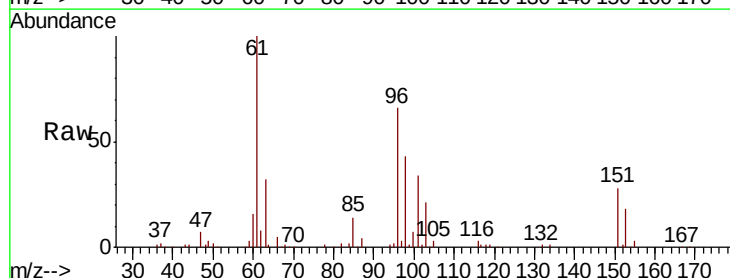
Tot Ion: 59 Resp: 142986
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.8 11.6

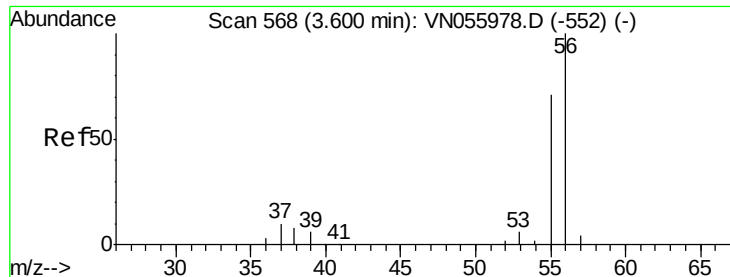


#12

1,1-Dichloroethene
 Concen: 52.103 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion: 96 Resp: 145924
 Ion Ratio Lower Upper
 96 100
 61 150.4 123.2 184.8
 98 65.2 50.4 75.6





#13

Acrolein

Concen: 261.400 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

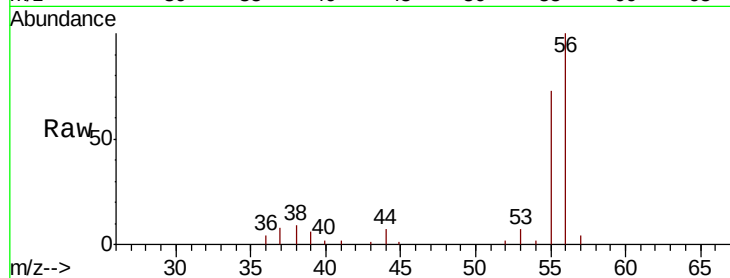
ICV060419

Tot Ion: 56 Resp: 43459

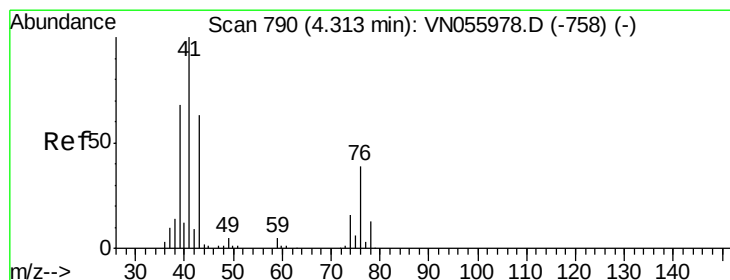
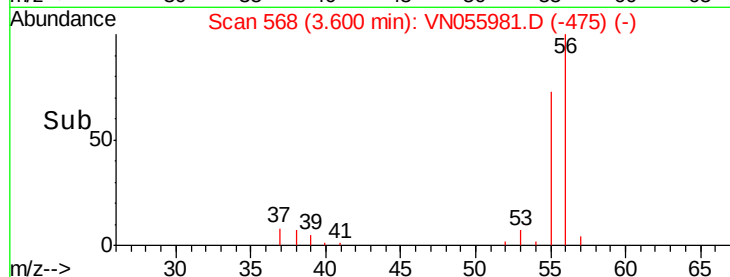
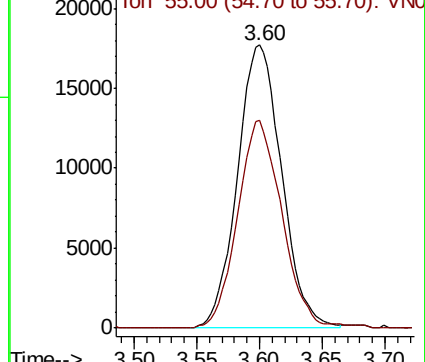
Ion Ratio Lower Upper

56 100

55 73.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN055978.D (-552) (-)



#14

Allyl chloride

Concen: 52.833 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

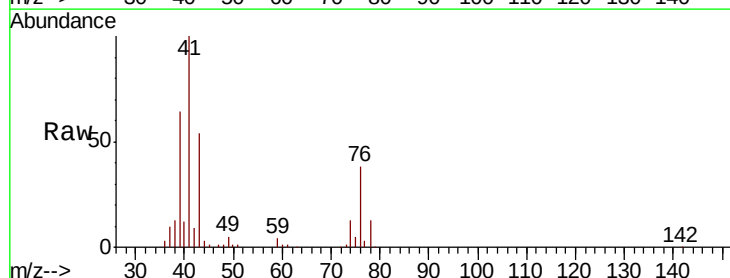
Tgt Ion: 41 Resp: 233649

Ion Ratio Lower Upper

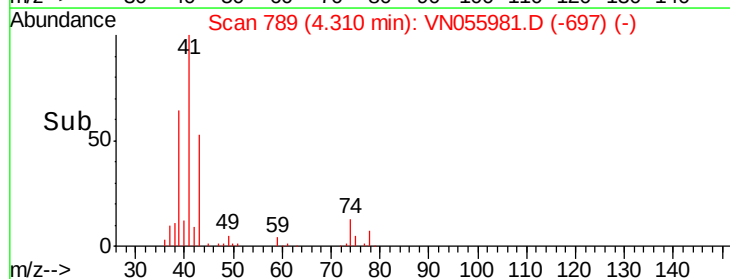
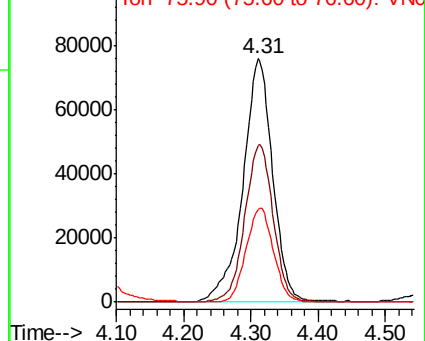
41 100

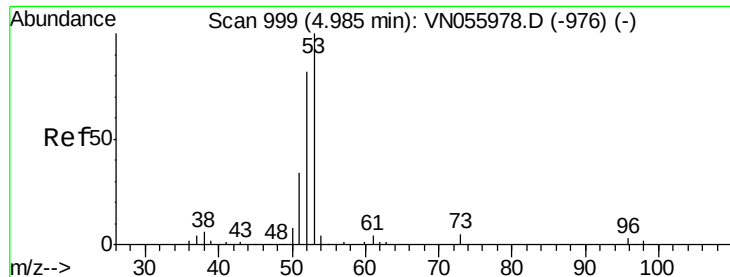
39 61.9 50.0 75.0

76 35.7 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN055978.D (-758) (-)





#15

Acrylonitrile

Concen: 265.946 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

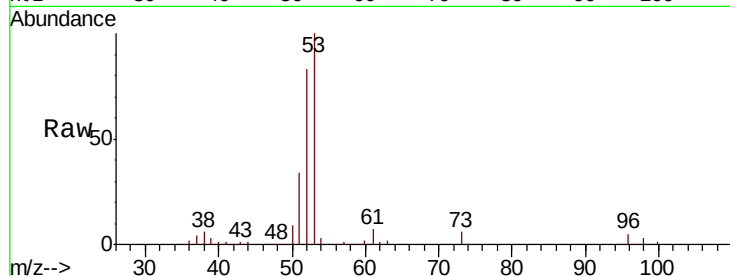
Tot Ion: 53 Resp: 373192

Ion Ratio Lower Upper

53 100

52 82.5 65.8 98.8

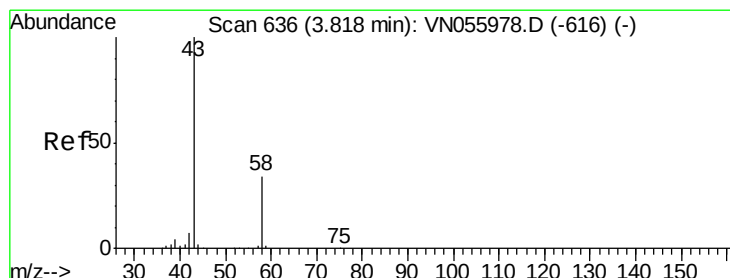
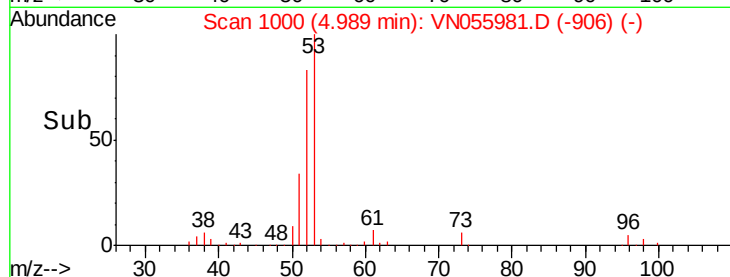
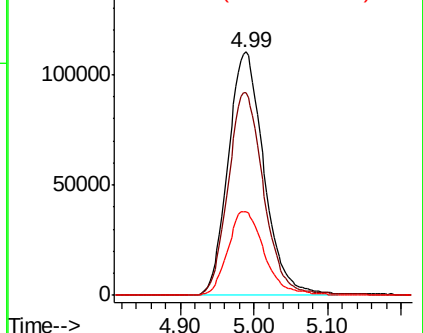
51 35.2 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 241.943 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055981.D

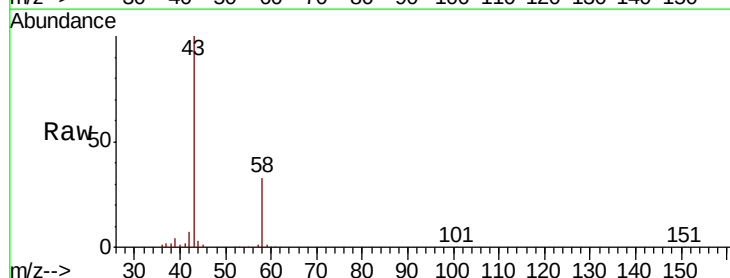
Acq: 4 Jun 2019 10:52

Tgt Ion: 43 Resp: 383310

Ion Ratio Lower Upper

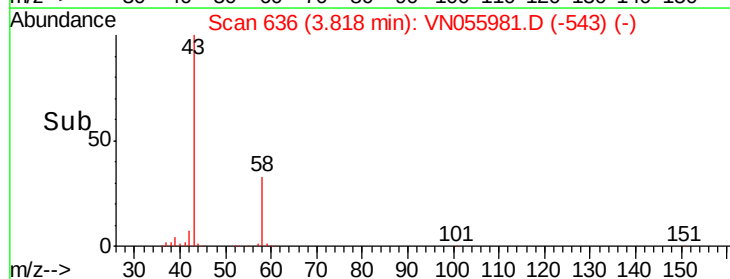
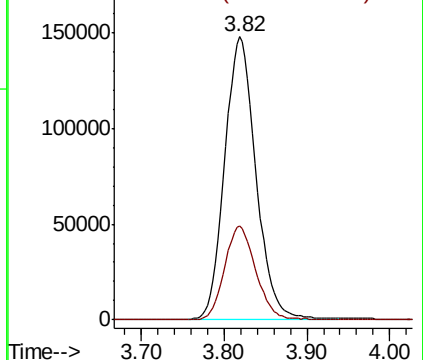
43 100

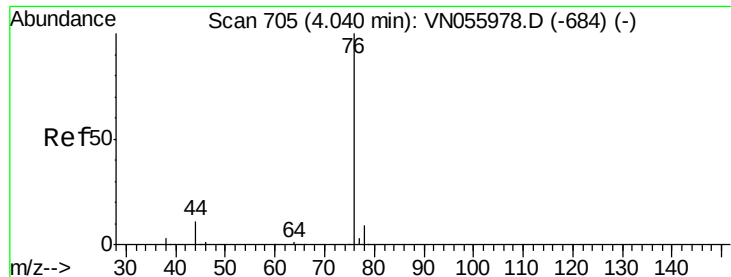
58 33.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

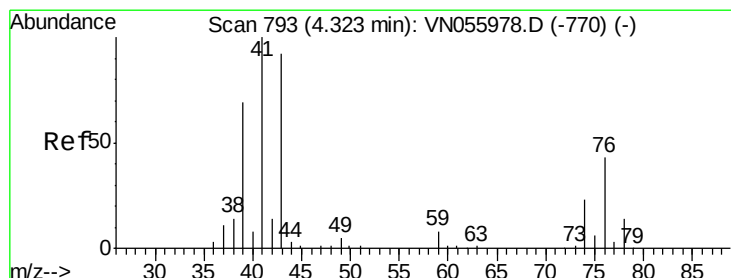
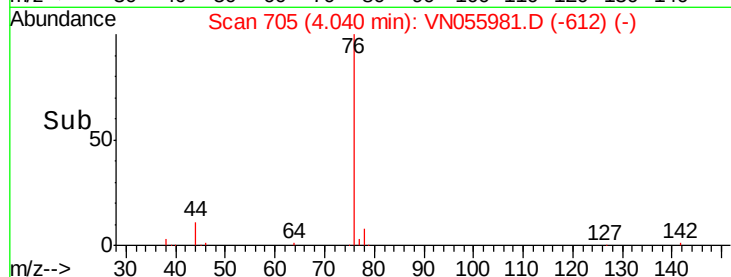
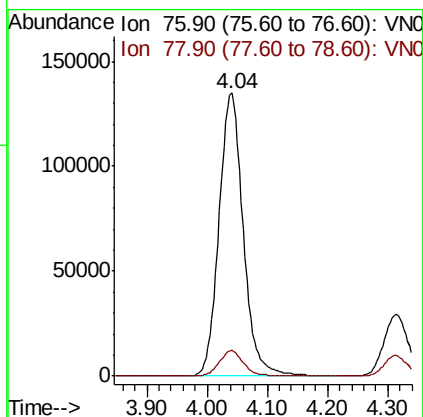
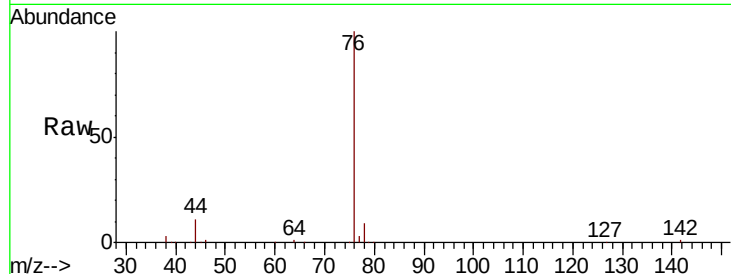




#17
Carbon Disulfide
Concen: 55.906 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

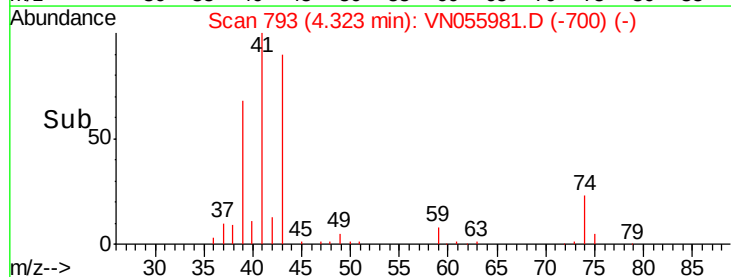
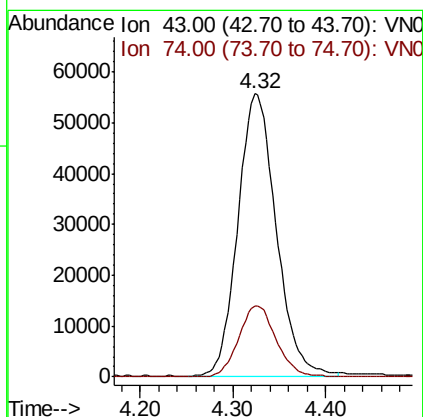
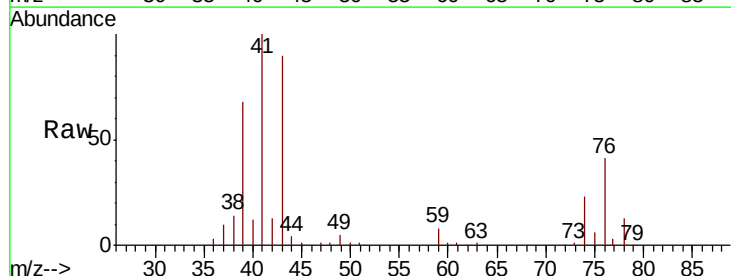
Instrument :
MSVOA_N
ClientSampled :
ICVVN060419

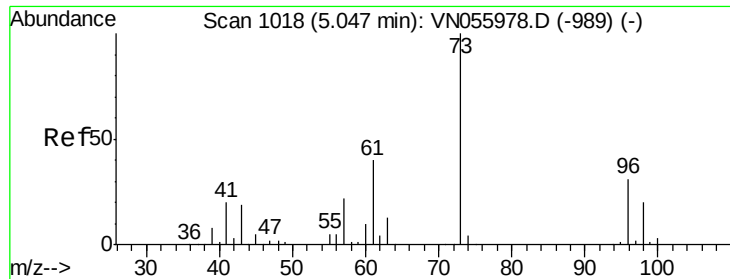
Tot Ion: 76 Resp: 374899
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 50.981 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 43 Resp: 158619
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9



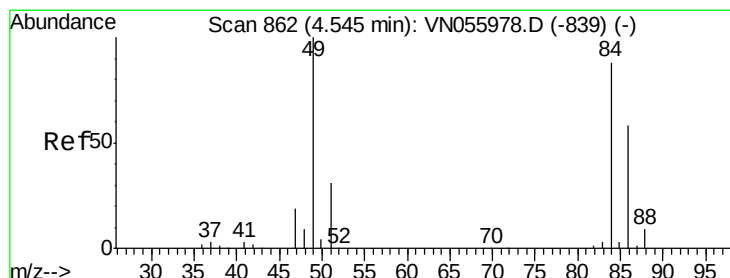
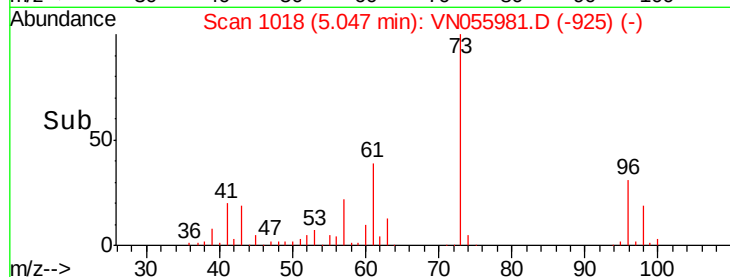
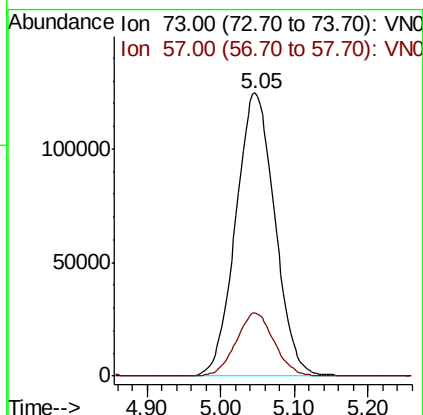
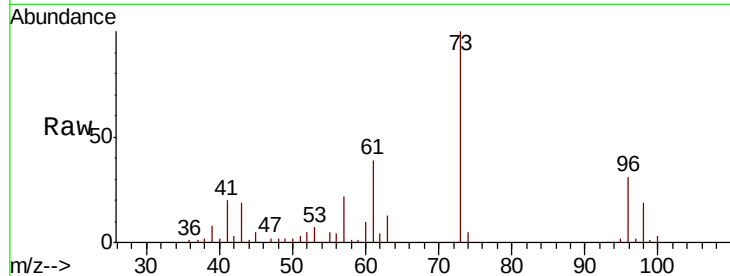


#19

Methyl tert-butyl Ether
 Concen: 51.462 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

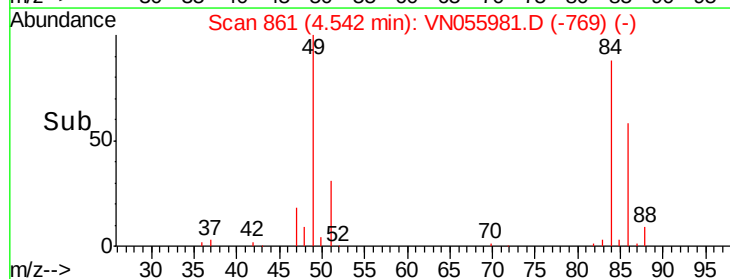
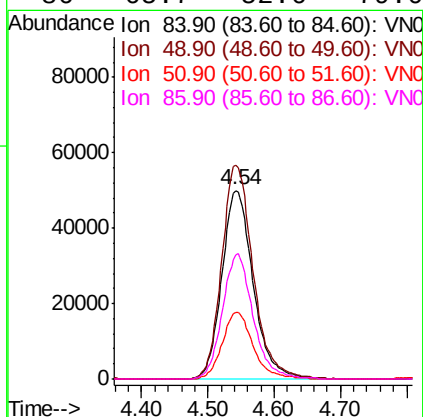
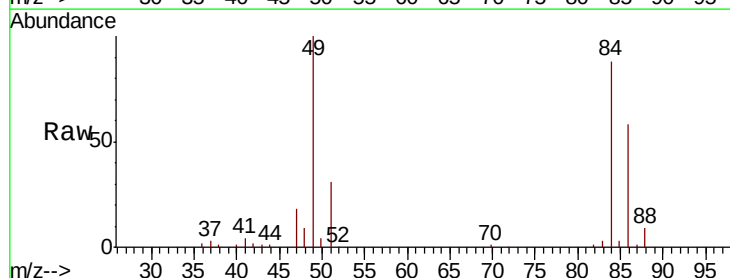
Tot Ion: 73 Resp: 459421
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.8 26.8

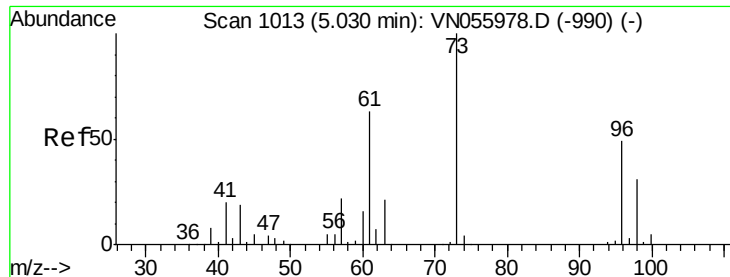


#20

Methylene Chloride
 Concen: 50.336 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion: 84 Resp: 164297
 Ion Ratio Lower Upper
 84 100
 49 113.4 93.5 140.3
 51 35.5 28.6 43.0
 86 65.7 52.6 79.0

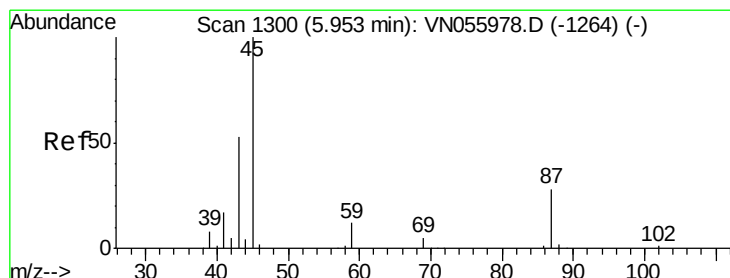
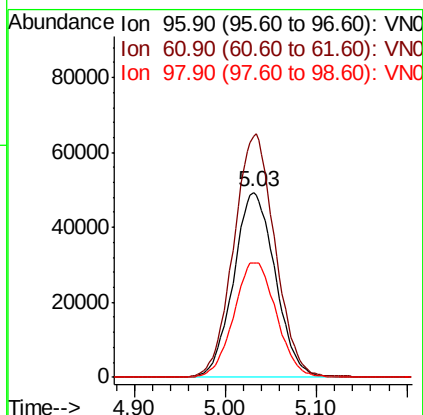
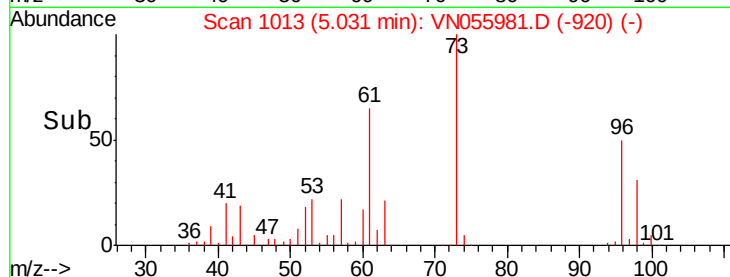
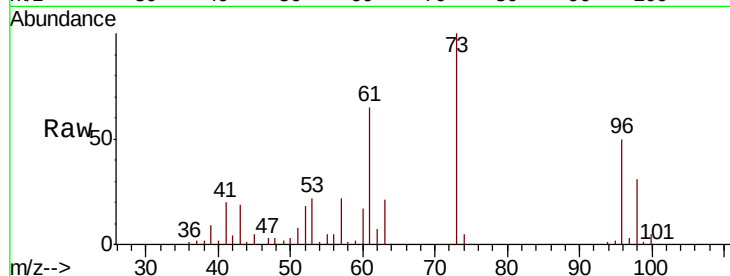




#21
trans-1,2-Dichloroethene
Concen: 52.337 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

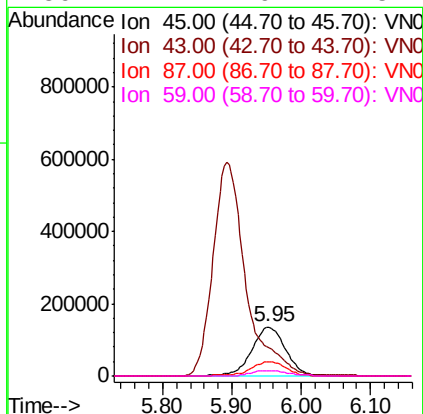
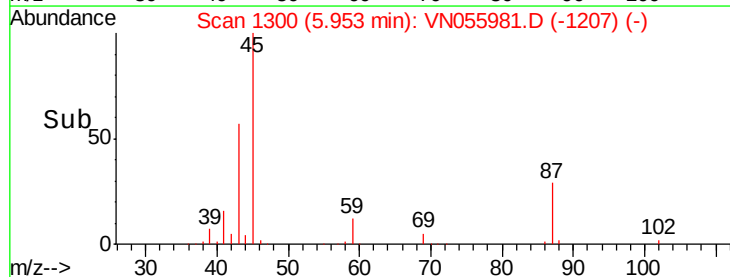
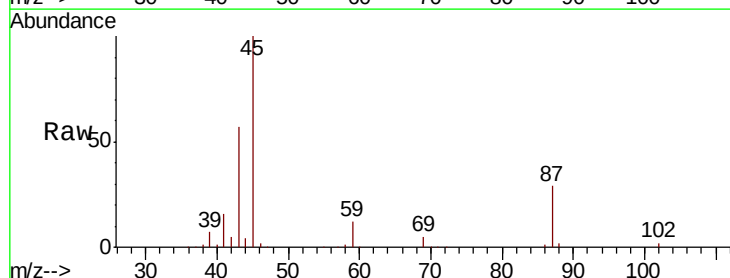
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

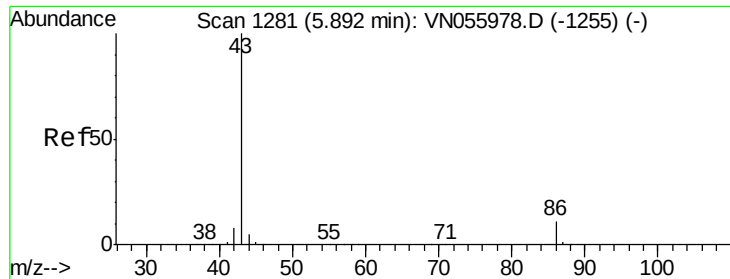
Tot Ion: 96 Resp: 157055
Ion Ratio Lower Upper
96 100
61 130.3 107.8 161.8
98 62.2 49.8 74.8



#22
Diisopropyl ether
Concen: 50.658 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 45 Resp: 463106
Ion Ratio Lower Upper
45 100
43 55.7 45.0 67.6
87 28.9 22.2 33.4
59 11.2 9.1 13.7

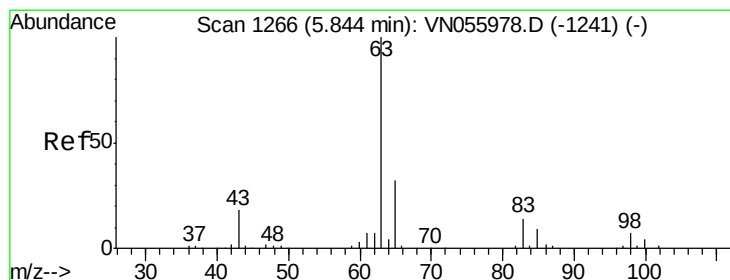
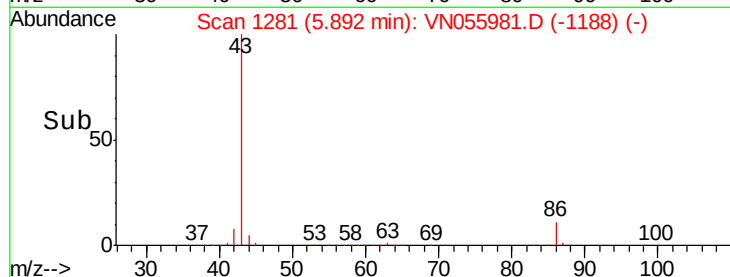
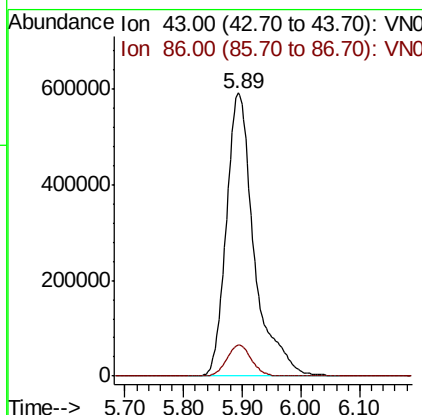
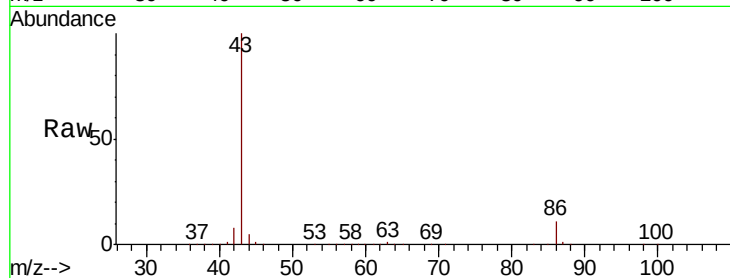




#23
 Vinyl Acetate
 Concen: 270.980 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

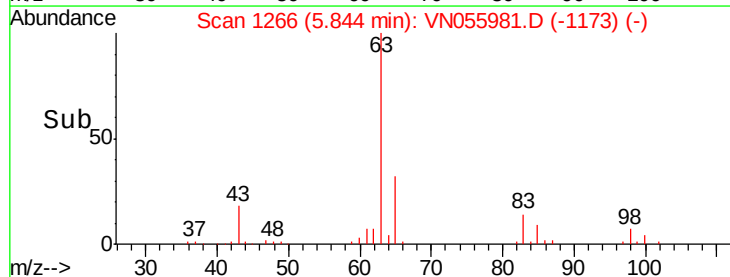
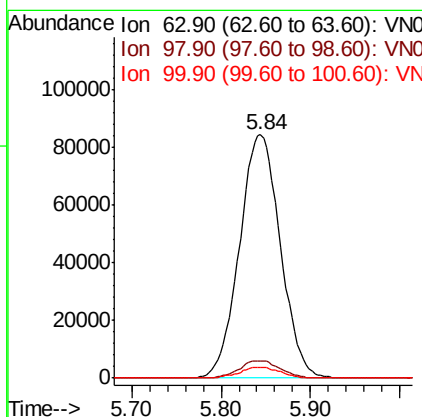
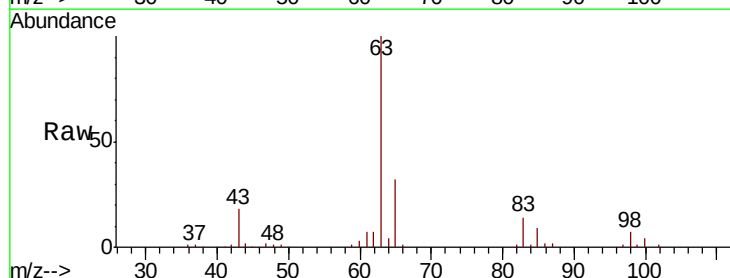
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

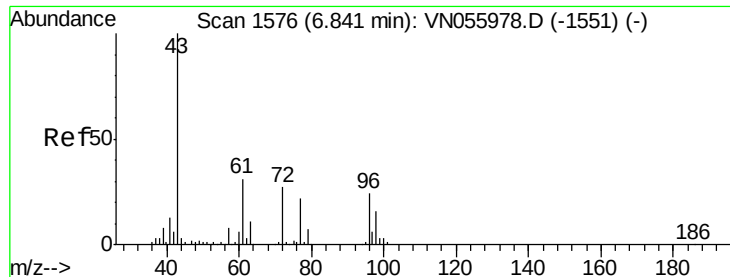
Tot Ion: 43 Resp: 1950841
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 50.914 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion: 63 Resp: 268485
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.1
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 261.631 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

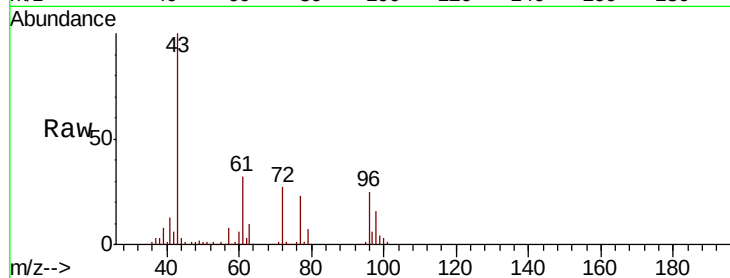
ICVVN060419

Tot Ion: 43 Resp: 523709

Ion Ratio Lower Upper

43 100

72 27.5 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

150000

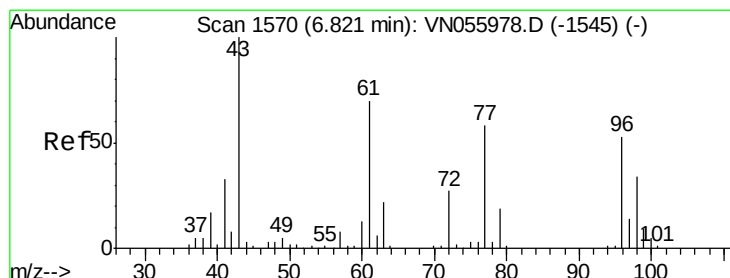
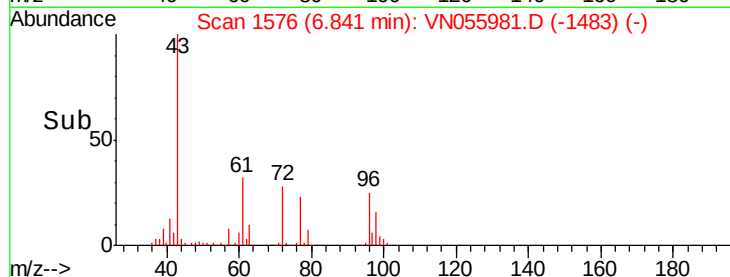
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 52.235 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055981.D

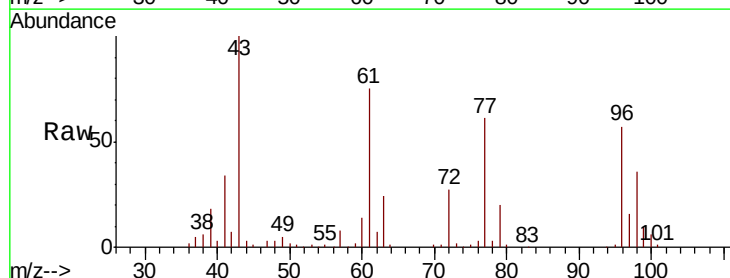
Acq: 4 Jun 2019 10:52

Tgt Ion: 77 Resp: 214940

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

80000

60000

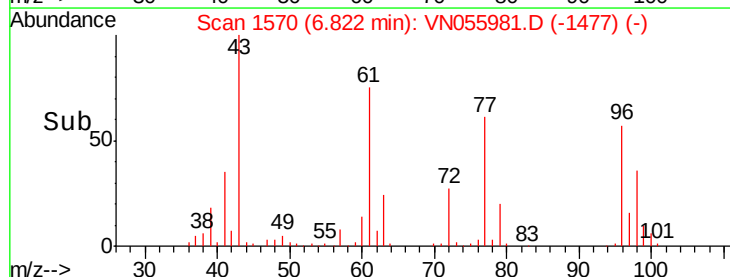
40000

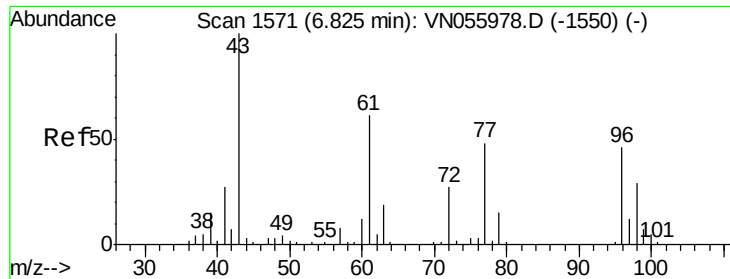
20000

0

6.70 6.80 6.90

Time-->

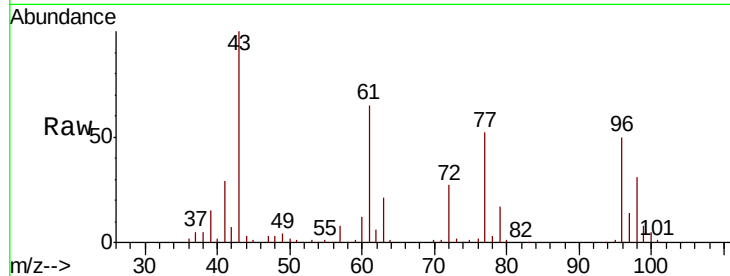




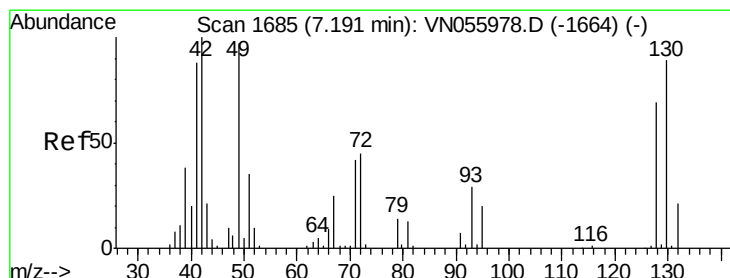
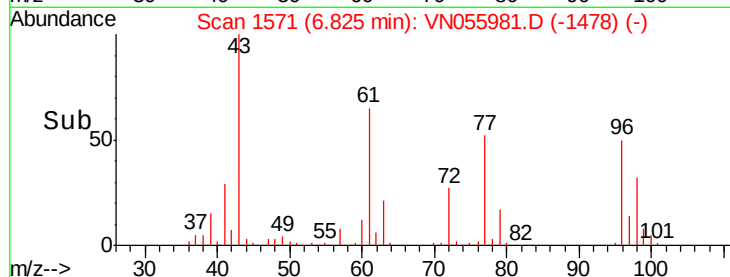
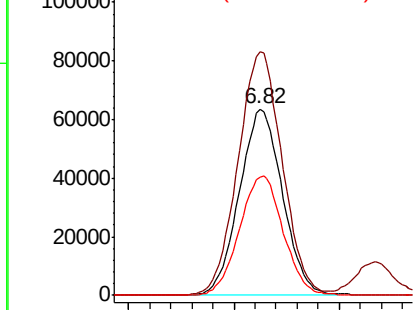
#27
 cis-1,2-Dichloroethene
 Concen: 51.188 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

Tot Ion: 96 Resp: 180561
 Ion Ratio Lower Upper
 96 100
 61 134.0 0.0 275.8
 98 65.2 0.0 128.4

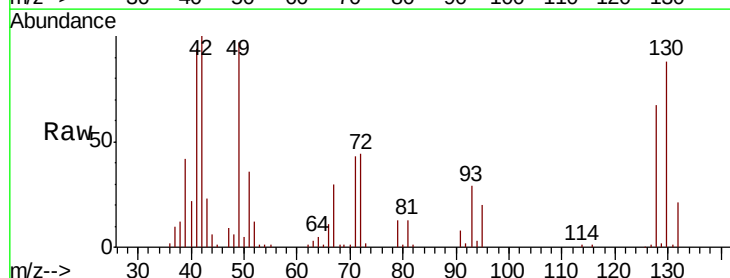


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

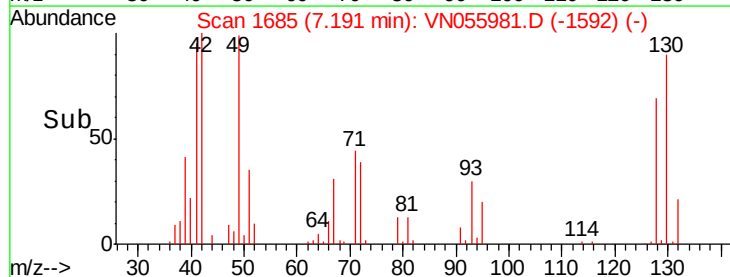
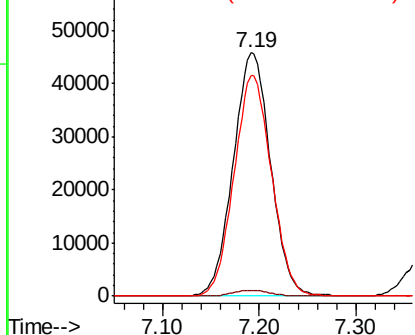


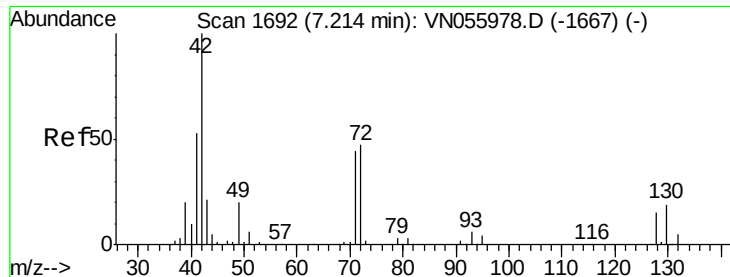
#28
 Bromochloromethane
 Concen: 49.354 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion: 49 Resp: 123078
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 90.7 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

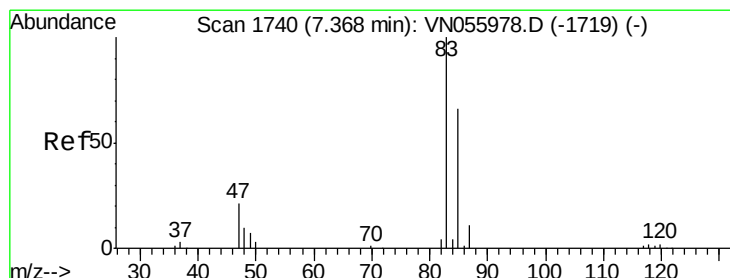
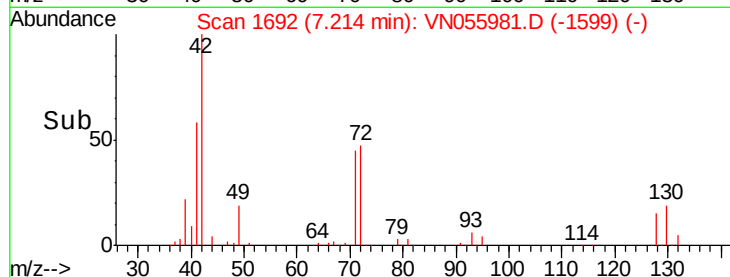
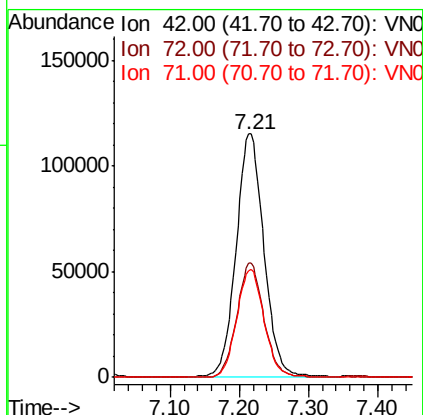
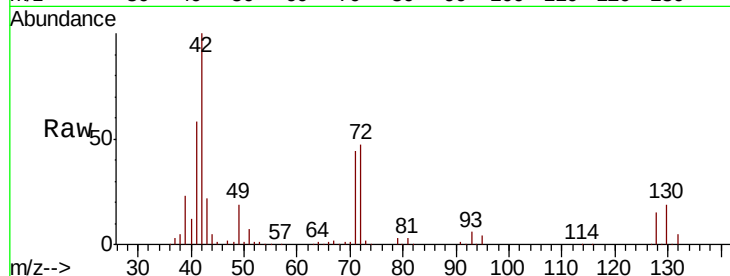




#29
Tetrahydrofuran
Concen: 259.564 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

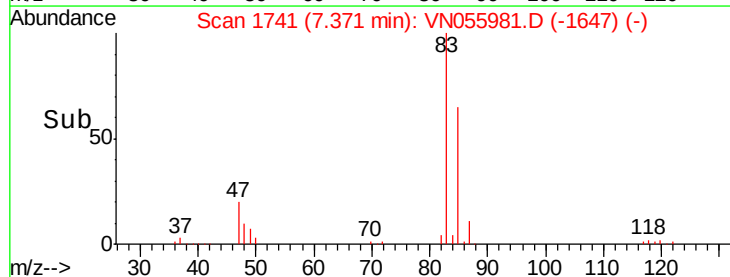
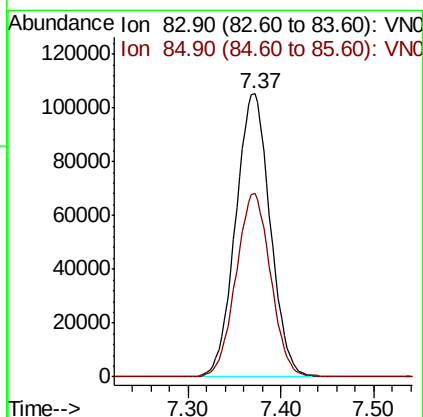
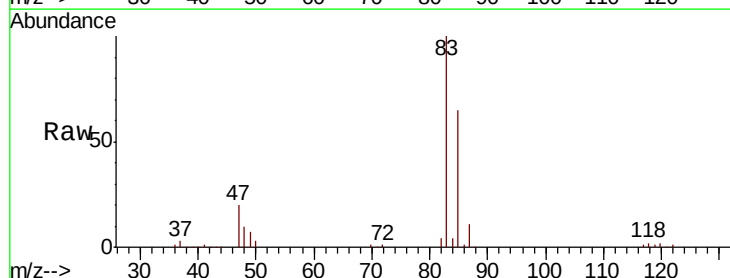
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

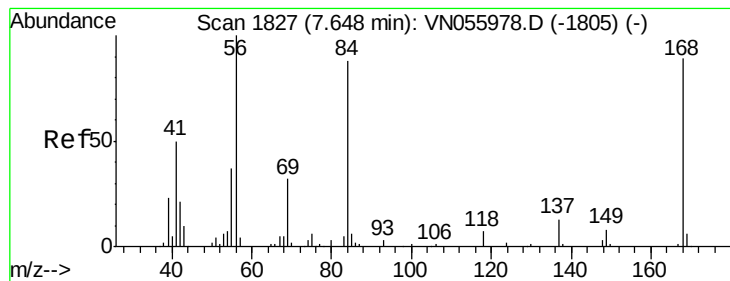
Tot Ion: 42 Resp: 321168
Ion Ratio Lower Upper
42 100
72 45.9 35.9 53.9
71 43.9 34.0 51.0



#30
Chloroform
Concen: 51.299 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 83 Resp: 272131
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.8





#31

Cyclohexane

Concen: 48.756 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICV060419

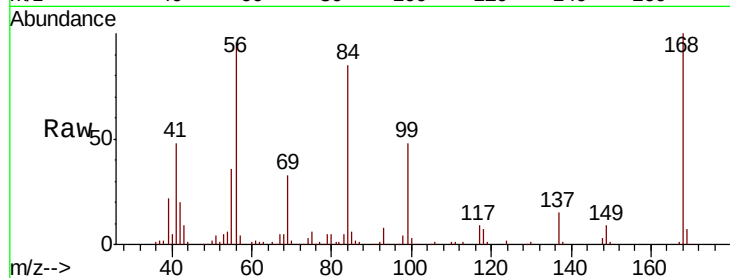
Tot Ion: 56 Resp: 256279

Ion Ratio Lower Upper

56 100

69 34.5 25.6 38.4

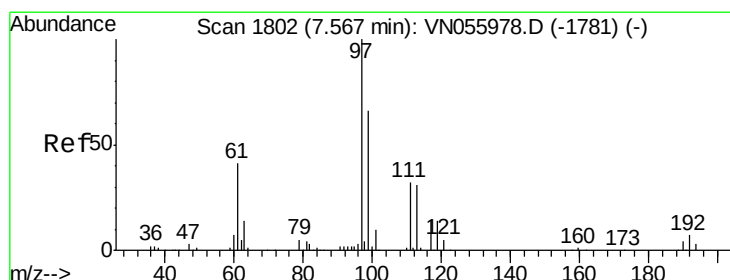
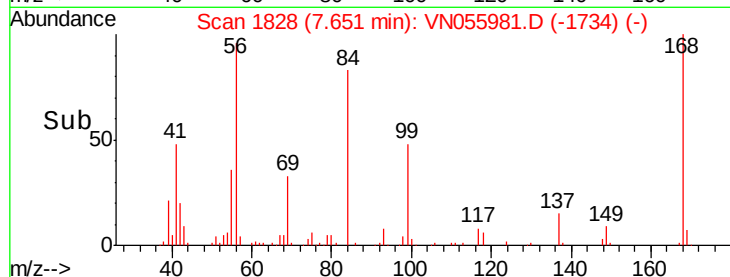
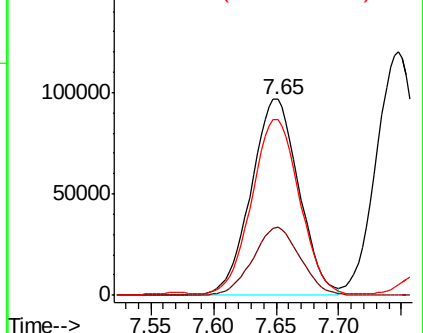
84 88.3 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN055981.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN055981.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN055981.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 51.764 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

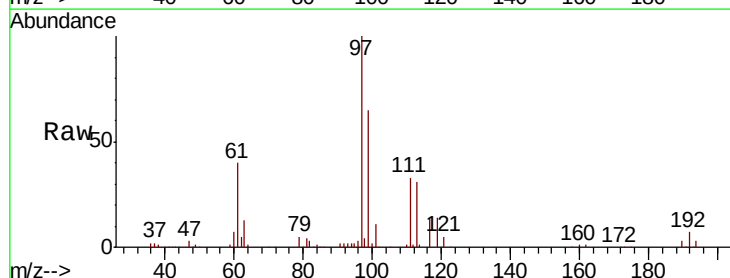
Tgt Ion: 97 Resp: 229309

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

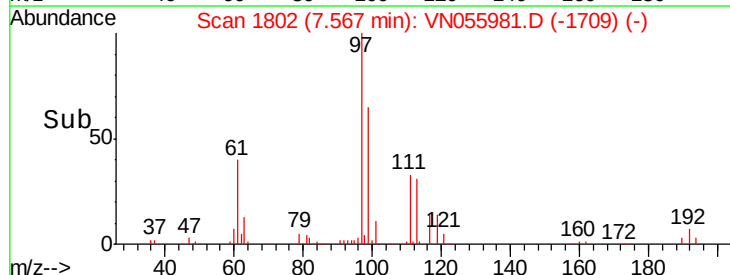
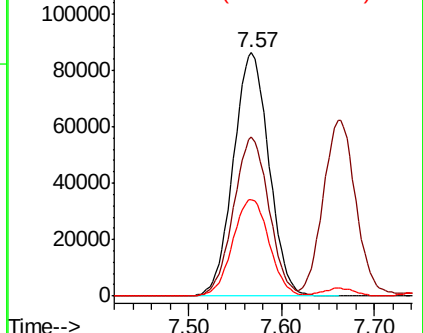
61 40.7 32.9 49.3

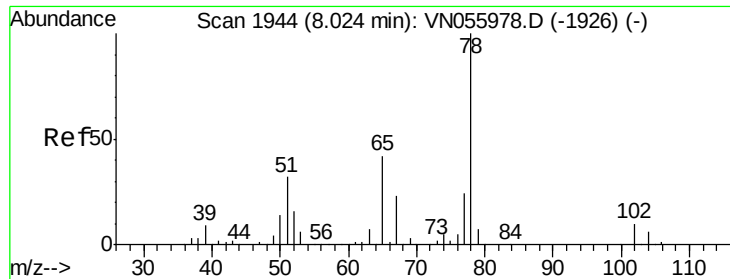


Abundance Ion 96.90 (96.60 to 97.60): VN055981.D (-1709) (-)

Ion 98.90 (98.60 to 99.60): VN055981.D (-1709) (-)

Ion 60.90 (60.60 to 61.60): VN055981.D (-1709) (-)

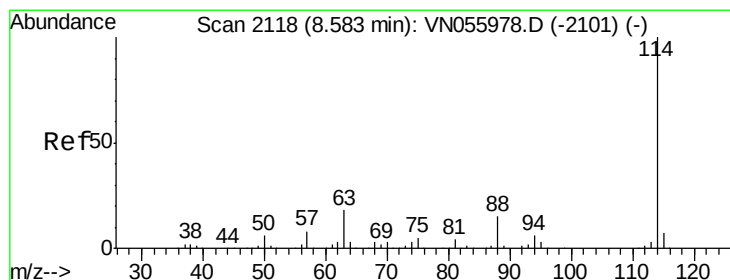
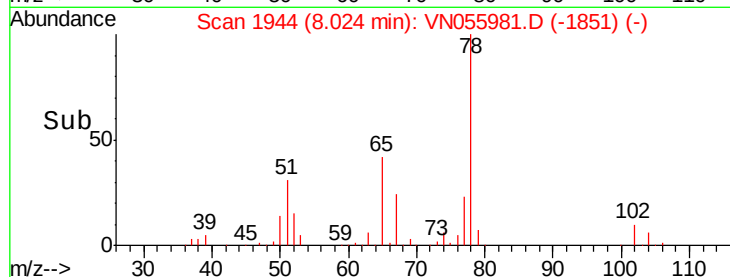
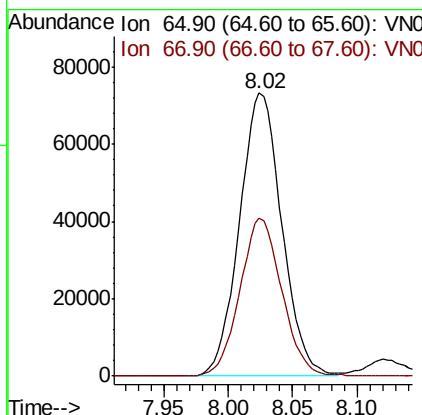
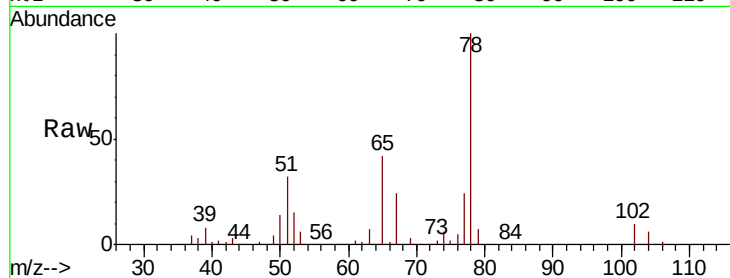




#33
 1,2-Dichloroethane-d4
 Concen: 50.518 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

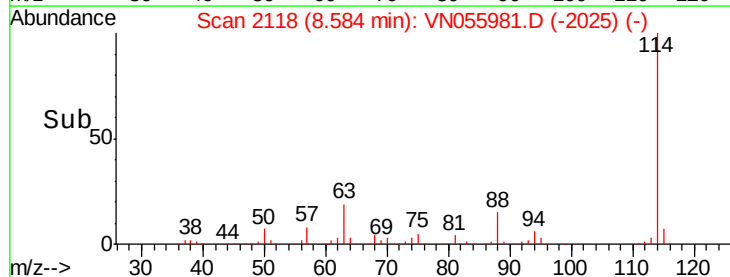
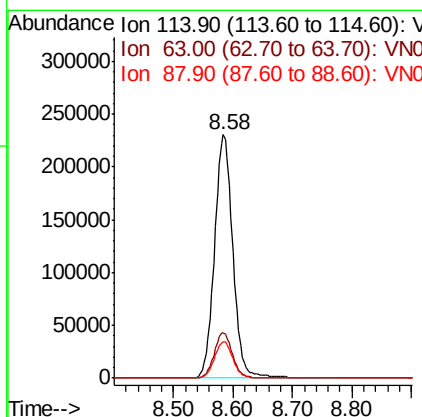
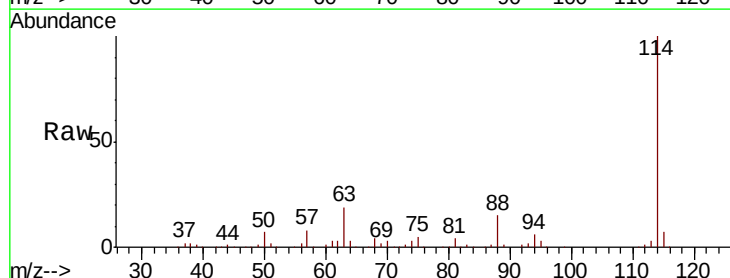
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

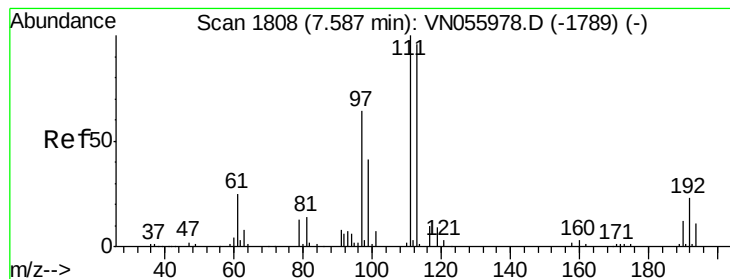
Tot Ion: 65 Resp: 167345
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion: 114 Resp: 490379
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.308 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

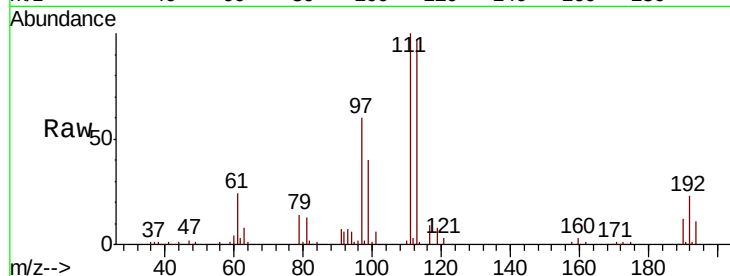
Tot Ion:113 Resp: 154367

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

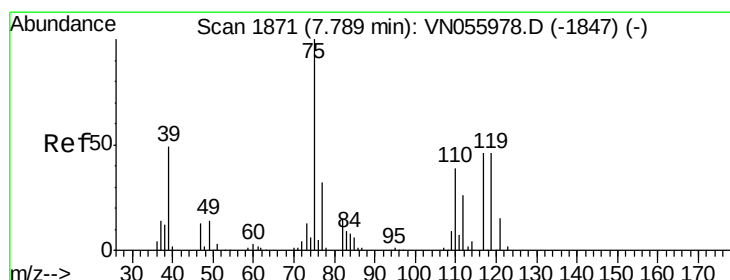
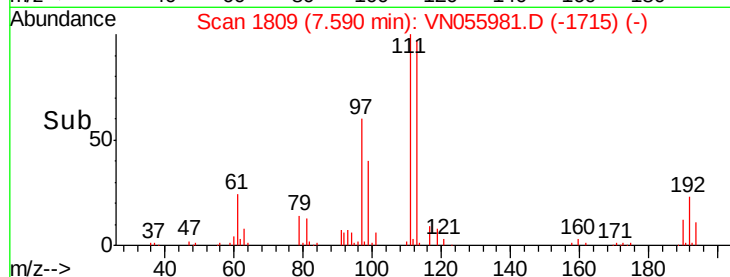
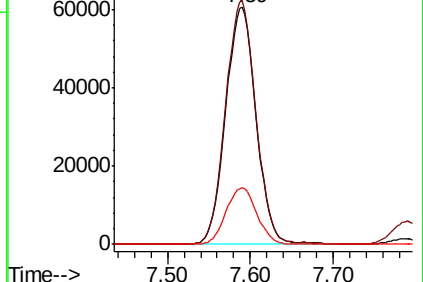
192 24.1 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.219 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

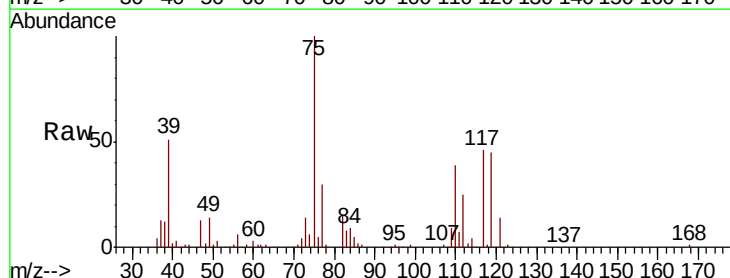
Tgt Ion: 75 Resp: 207537

Ion Ratio Lower Upper

75 100

110 38.7 19.0 57.0

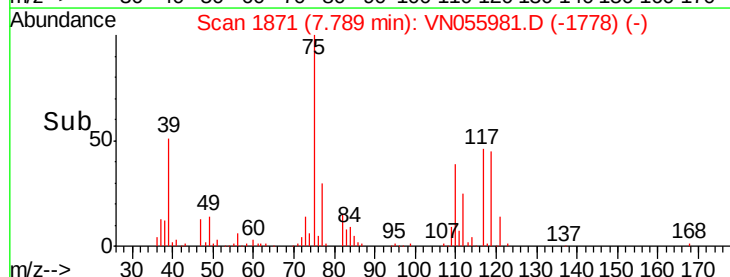
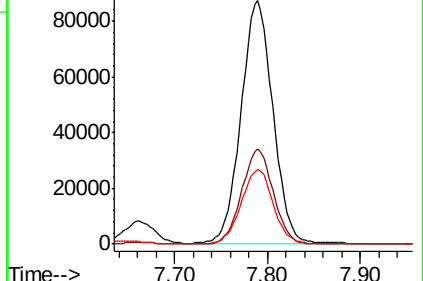
77 31.1 25.1 37.7

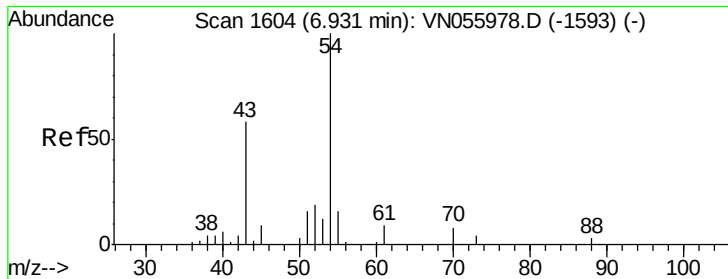


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

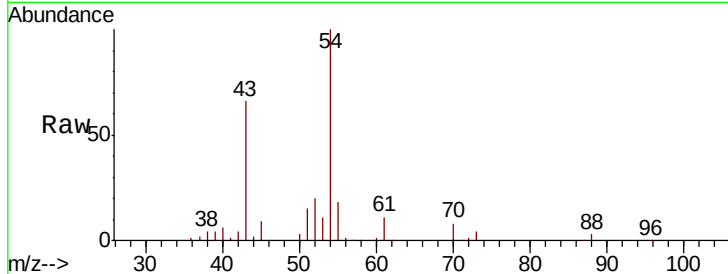




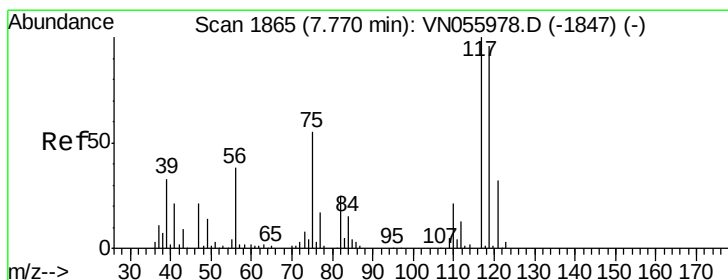
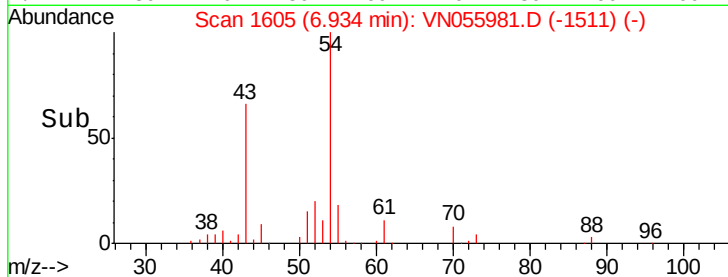
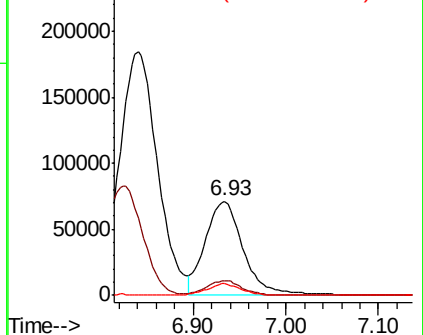
#37
Ethyl Acetate
Concen: 52.875 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion: 43 Resp: 198372
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.2
70 11.3 8.9 13.3

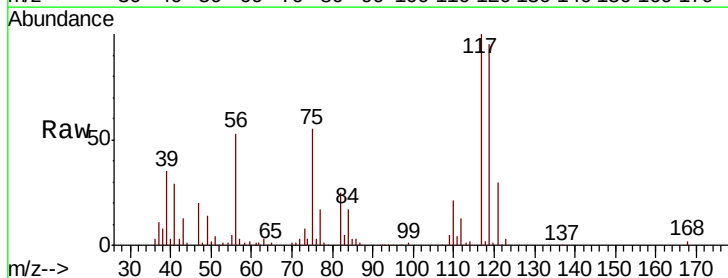


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

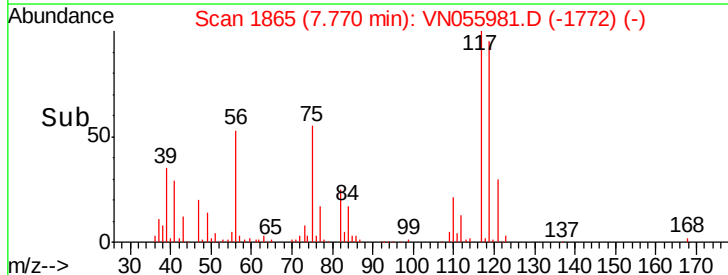
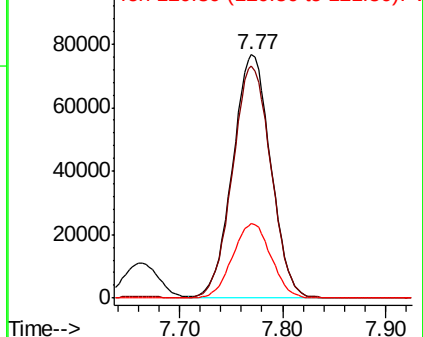


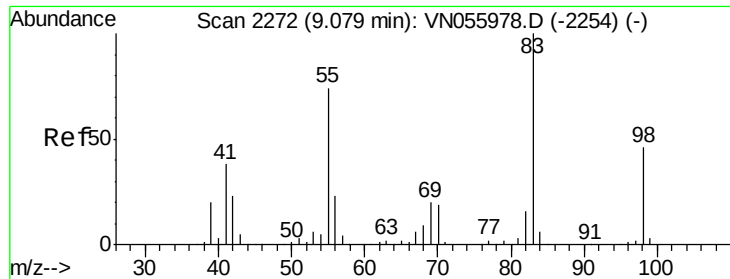
#38
Carbon Tetrachloride
Concen: 50.436 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 117 Resp: 196068
Ion Ratio Lower Upper
117 100
119 95.6 79.0 118.6
121 30.5 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

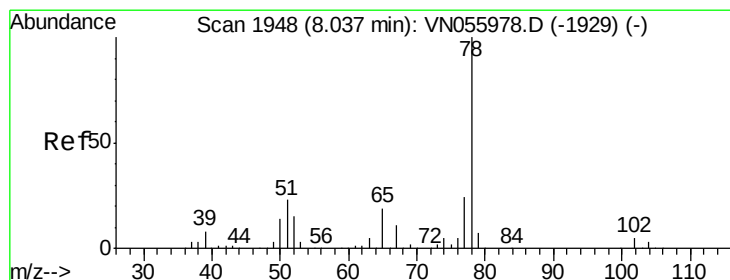
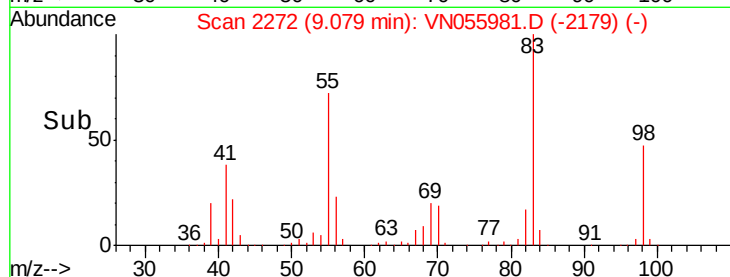
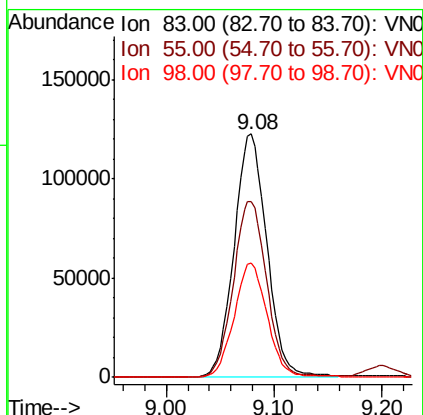
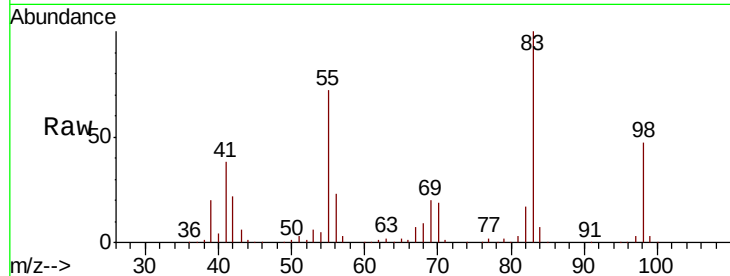




#39
Methylvlcyclohexane
Concen: 49.682 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

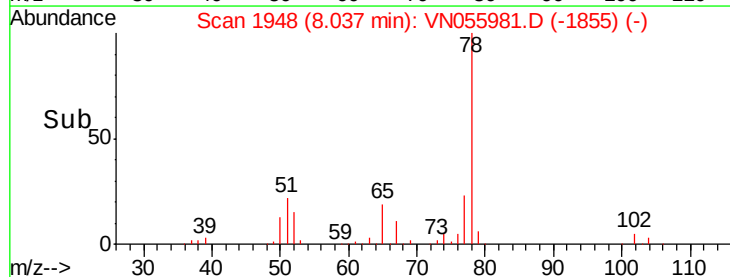
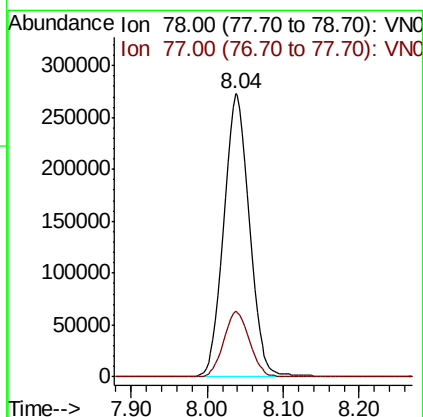
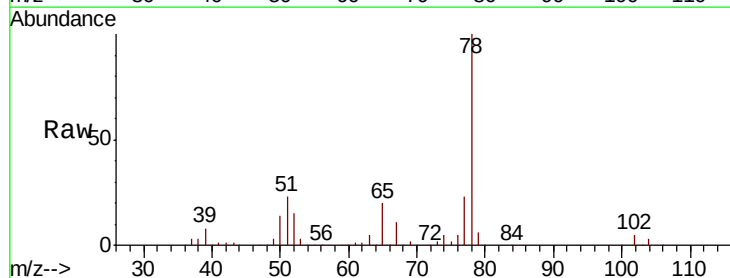
Instrument :
MSVOA_N
ClientSampleId :
ICV060419

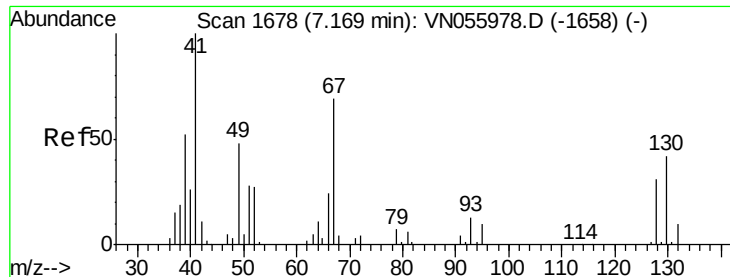
Tot Ion: 83 Resp: 260960
Ion Ratio Lower Upper
83 100
55 72.4 59.3 88.9
98 46.9 36.6 54.8



#40
Benzene
Concen: 50.310 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 78 Resp: 644303
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

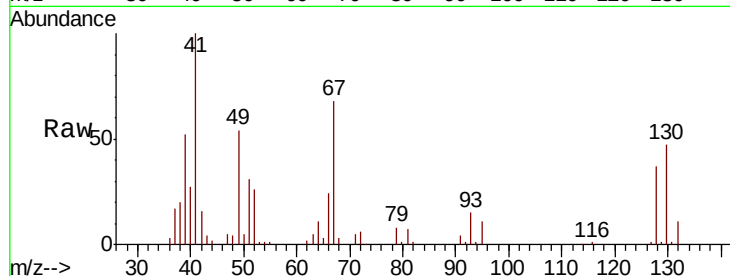




#41
Methacrylonitrile
Concen: 52.209 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion:	41	Resp:	90120
Ion	Ratio	Lower	Upper
41	100		
39	59.9	45.6	68.4
67	91.9	67.7	101.5
52	35.1	26.6	40.0



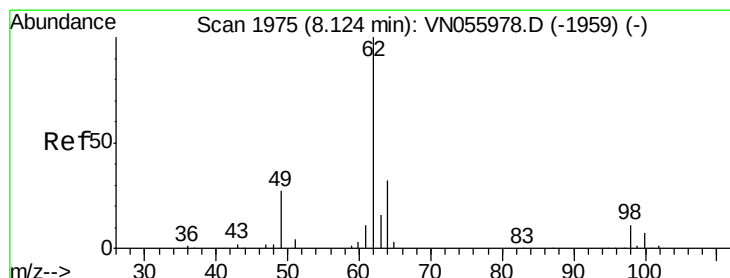
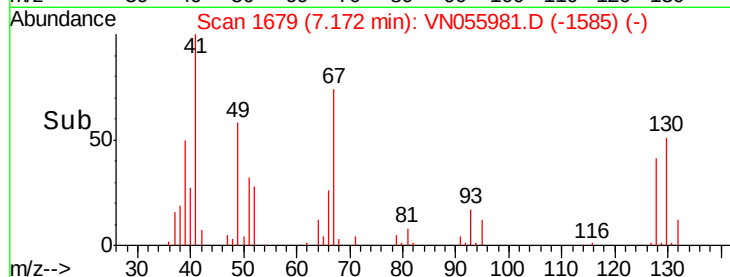
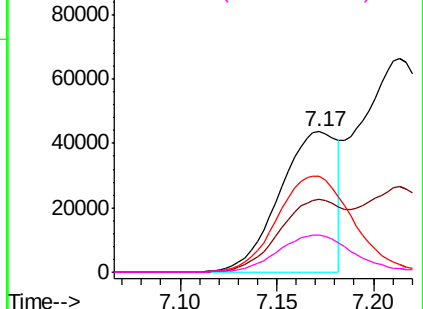
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

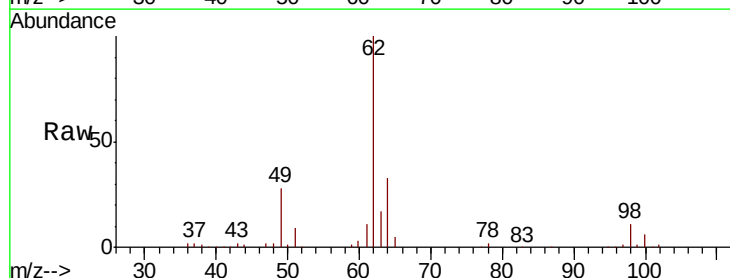
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 48.792 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

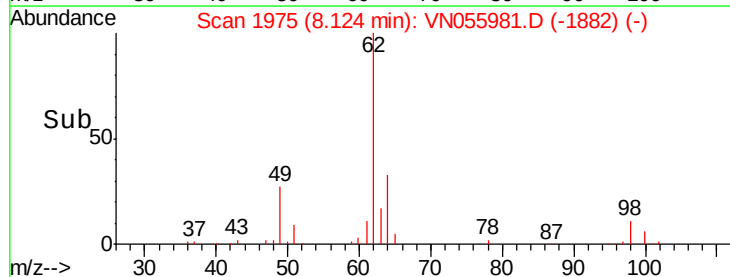
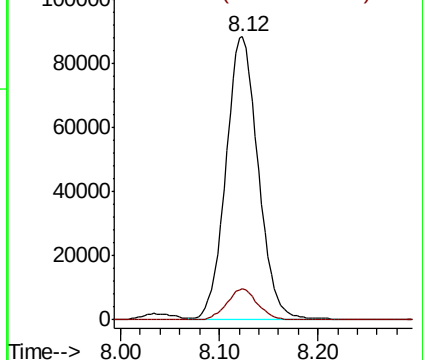
Tgt Ion:	62	Resp:	200996
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2

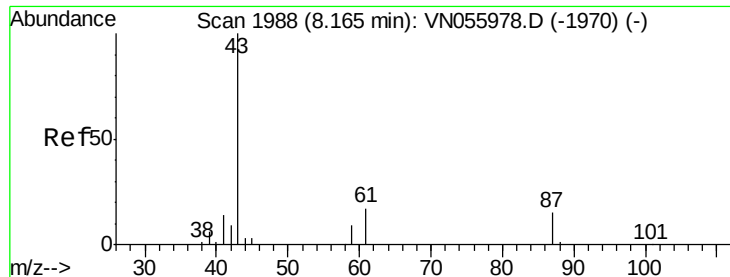


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.260 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICV060419

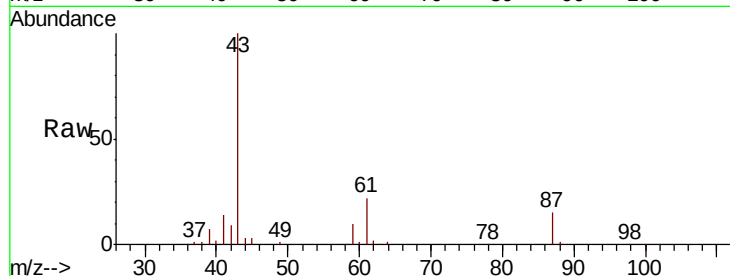
Tot Ion: 43 Resp: 311635

Ion Ratio Lower Upper

43 100

61 28.7 22.2 33.4

87 14.7 11.4 17.2

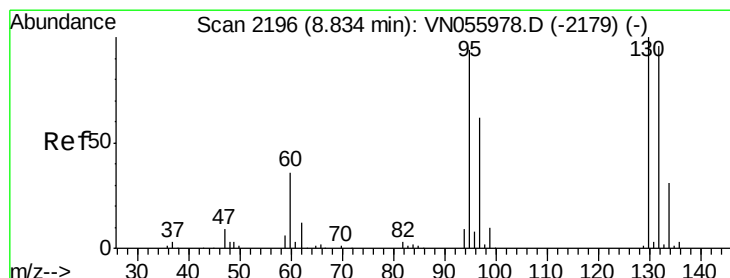
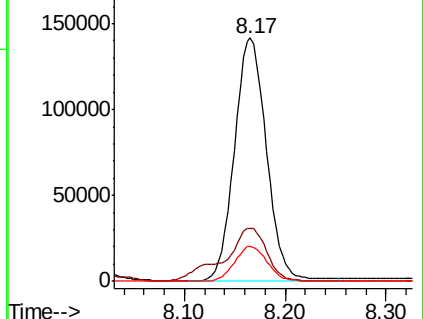
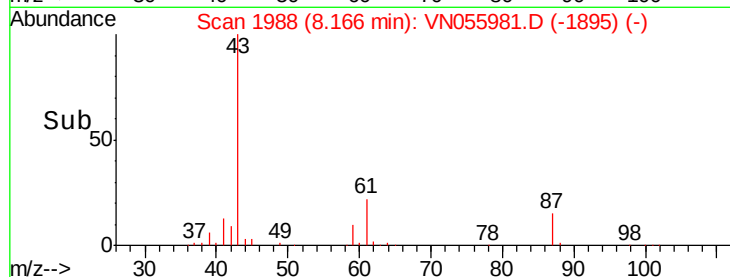


Abundance Ion 43.00 (42.70 to 43.70): VN055981.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN055981.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN055981.D (-1895) (-)

Time-->



#44

Trichloroethene

Concen: 49.801 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055981.D

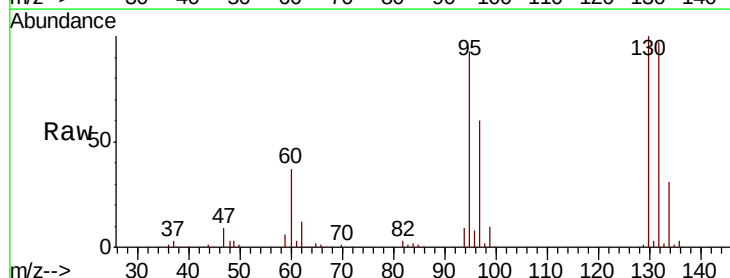
Acq: 4 Jun 2019 10:52

Tgt Ion:130 Resp: 183266

Ion Ratio Lower Upper

130 100

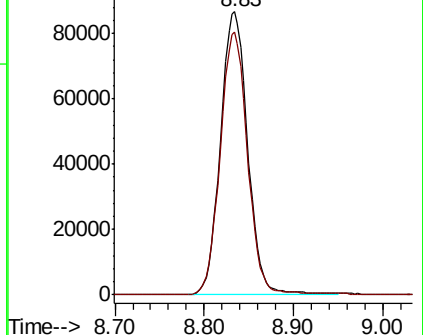
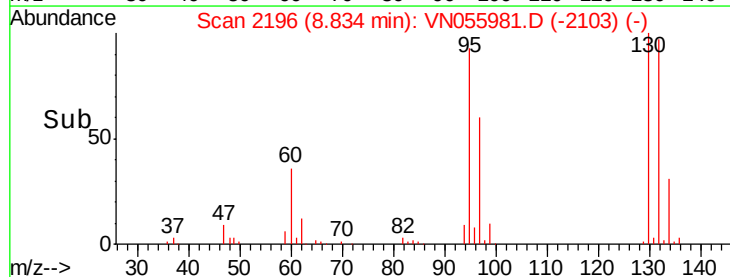
95 93.1 0.0 188.0

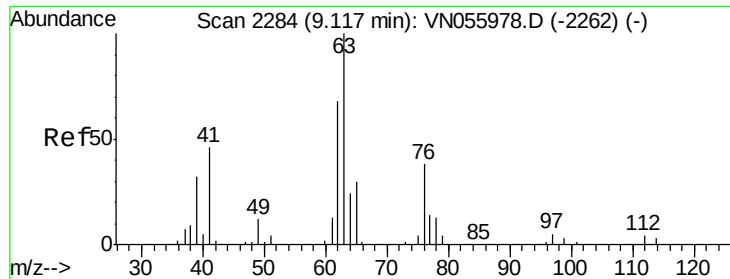


Abundance Ion 129.80 (129.50 to 130.50): VN055981.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055981.D (-2103) (-)

Time-->

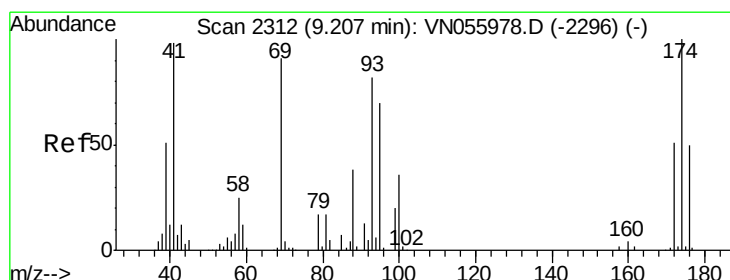
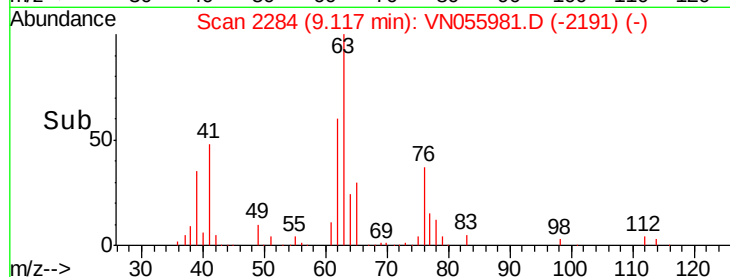
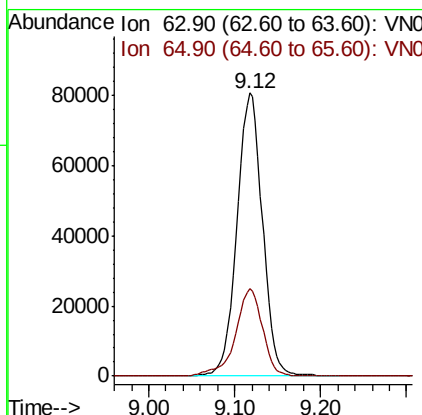
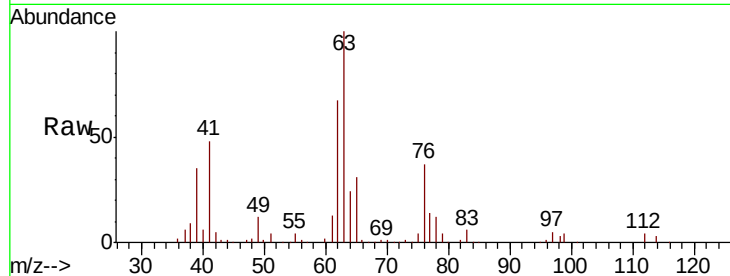




#45
 1,2-Dichloropropane
 Concen: 50.727 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

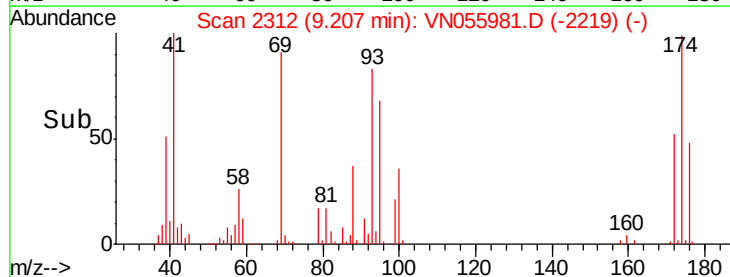
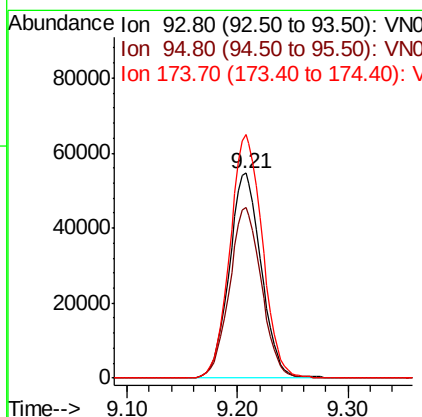
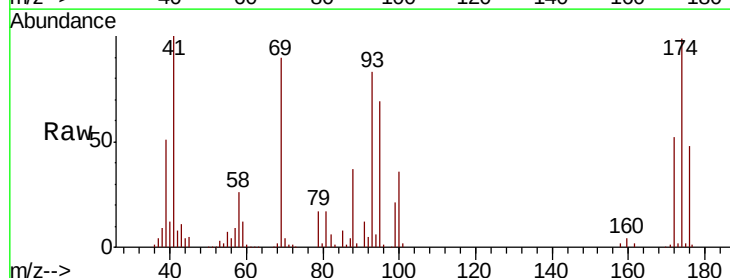
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

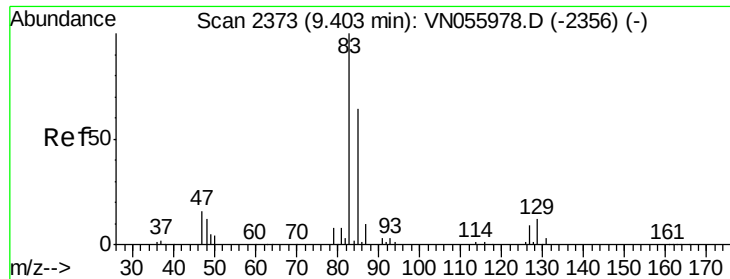
Tot Ion: 63 Resp: 166403
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8



#46
 Dibromomethane
 Concen: 51.164 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion: 93 Resp: 109751
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 120.3 96.4 144.6





#47

Bromodichloromethane

Concen: 52.148 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

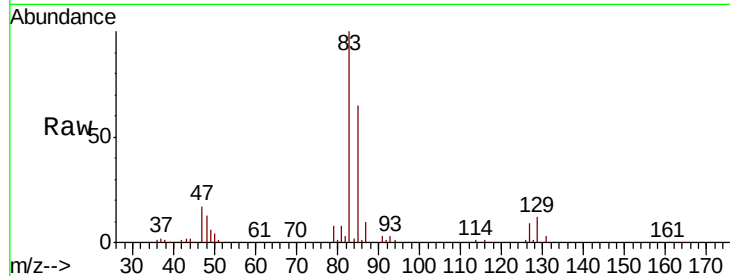
Tot Ion: 83 Resp: 202740

Ion Ratio Lower Upper

83 100

85 64.8 52.2 78.2

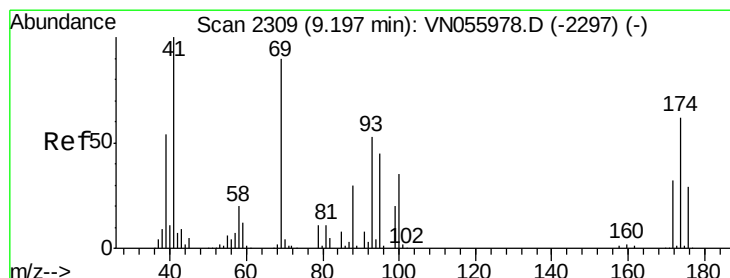
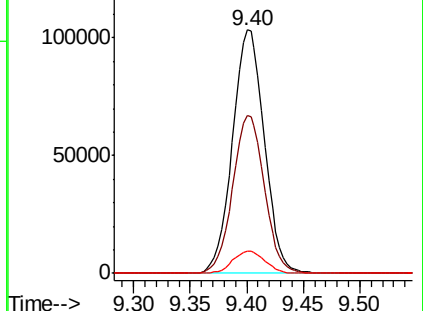
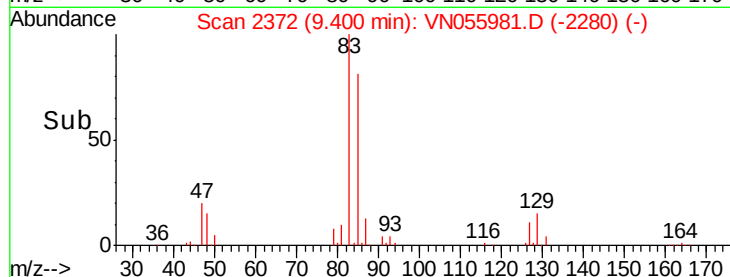
127 9.0 7.4 11.0



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: 50.166 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

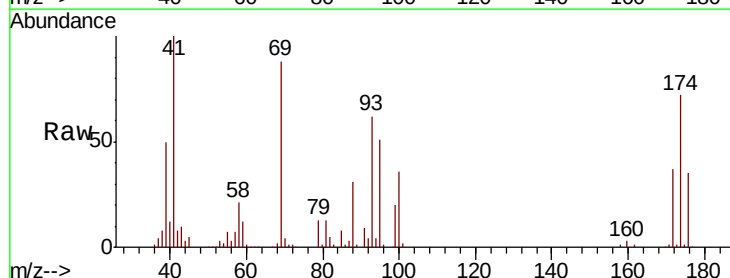
Tgt Ion: 41 Resp: 149207

Ion Ratio Lower Upper

41 100

69 94.4 71.0 106.6

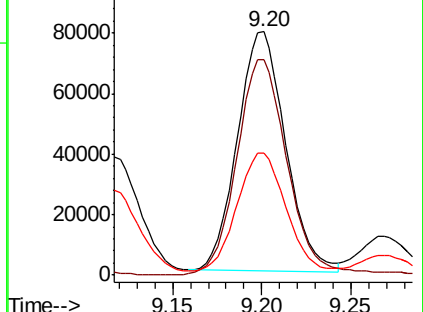
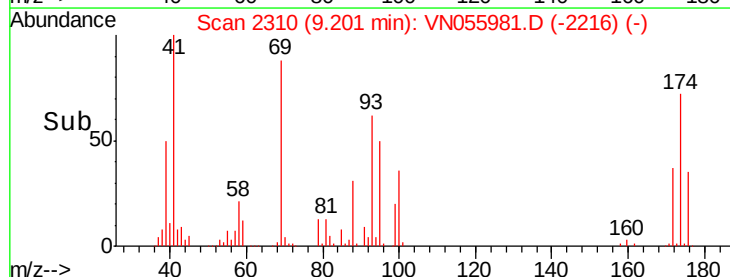
39 53.5 44.2 66.2

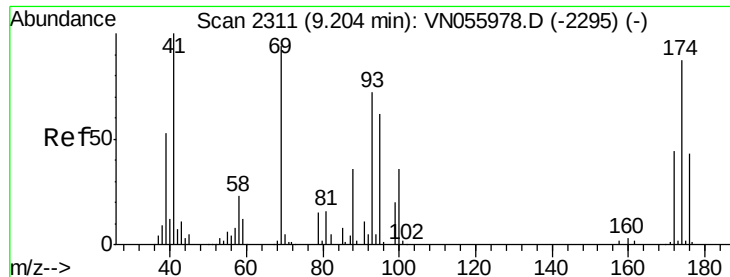


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1031.731 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

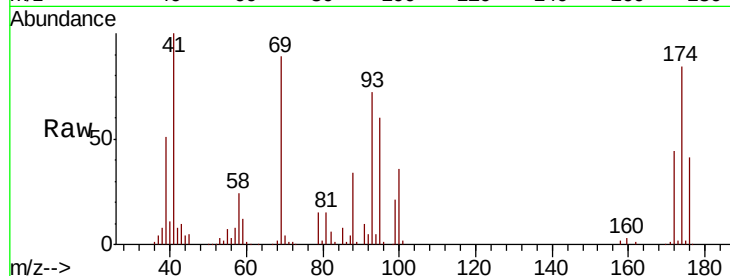
Tot Ion: 88 Resp: 66249

Ion Ratio Lower Upper

88 100

43 24.5 20.5 30.7

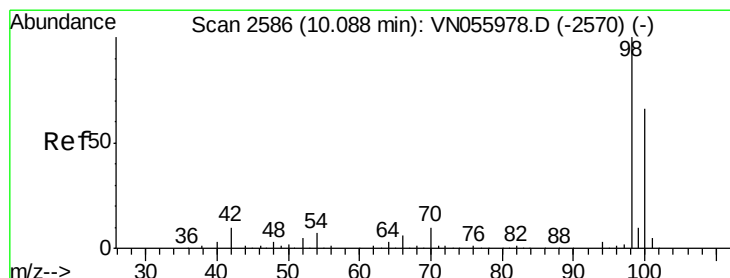
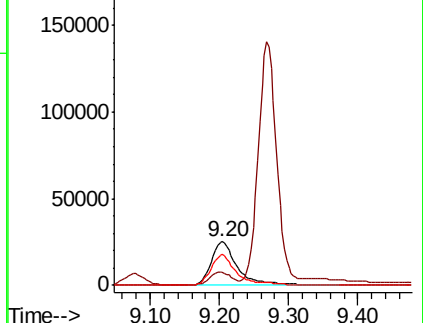
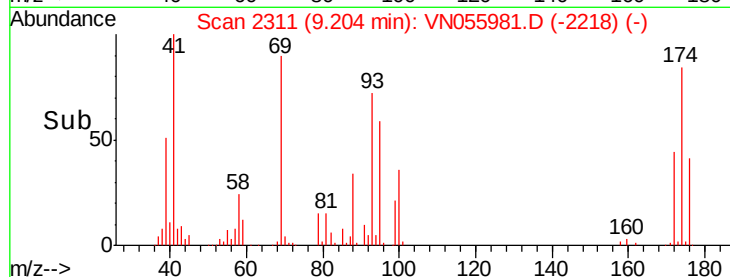
58 69.3 55.8 83.6



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: 51.245 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055981.D

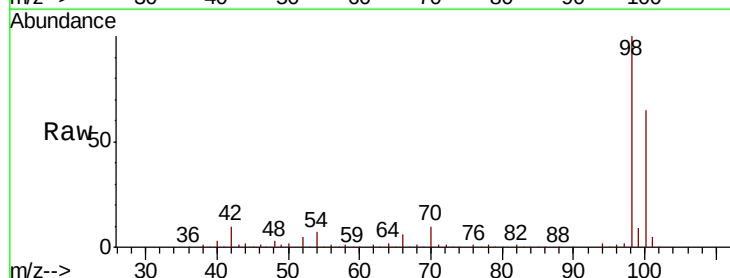
Acq: 4 Jun 2019 10:52

Tgt Ion: 98 Resp: 593274

Ion Ratio Lower Upper

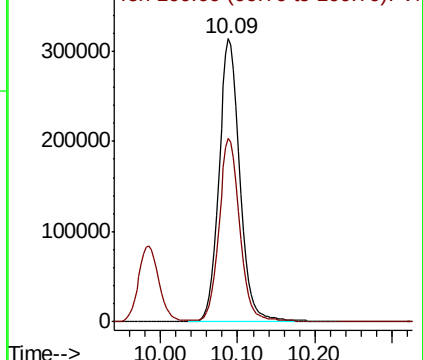
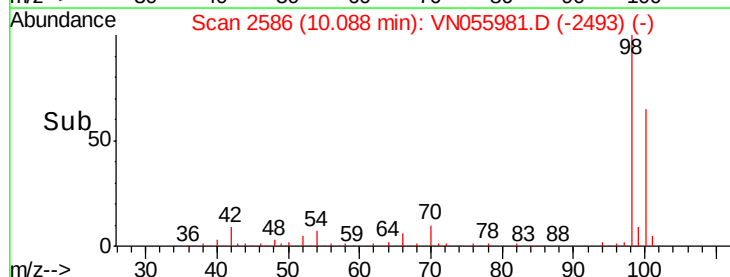
98 100

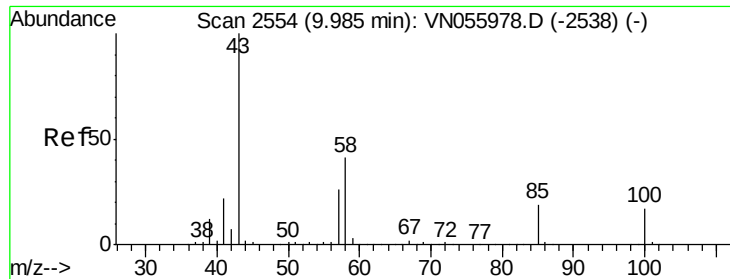
100 64.9 51.9 77.9



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: 255.198 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

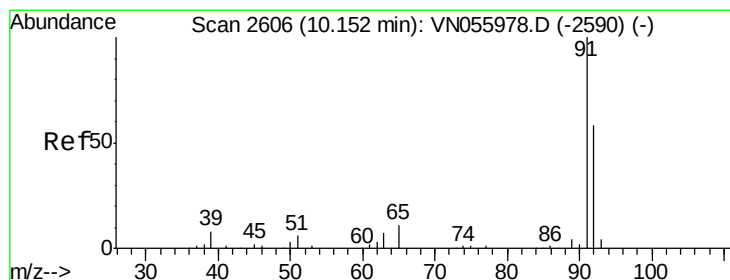
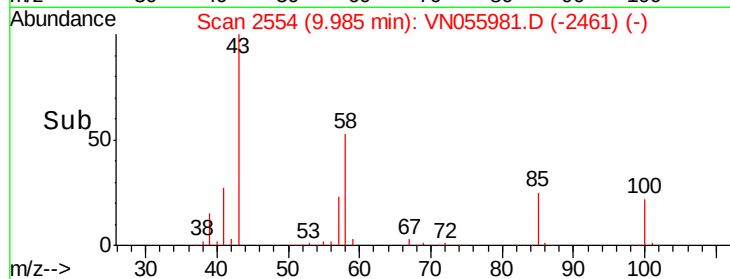
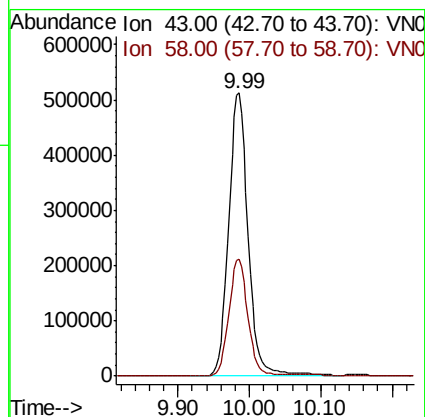
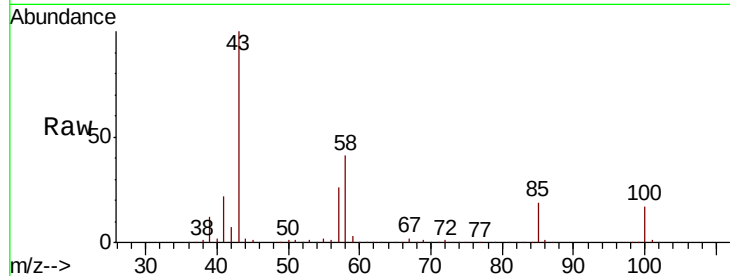
ICVVN060419

Tot Ion: 43 Resp: 970226

Ion Ratio Lower Upper

43 100

58 40.6 32.1 48.1



#52

Toluene

Concen: 50.716 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055981.D

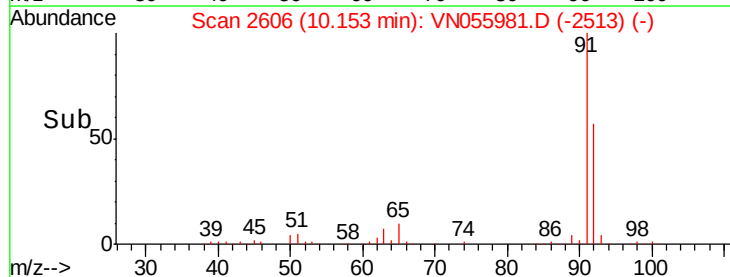
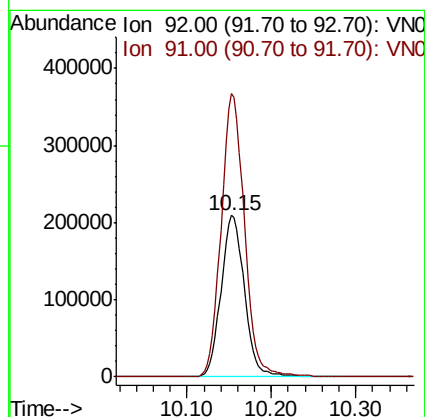
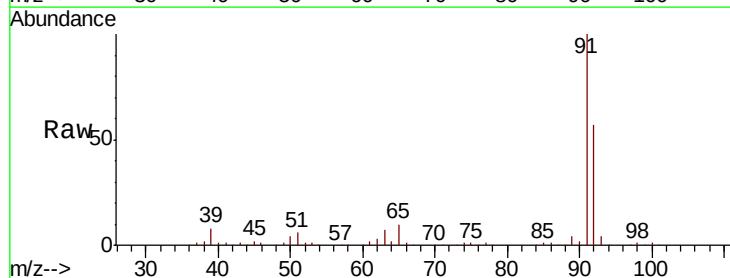
Acq: 4 Jun 2019 10:52

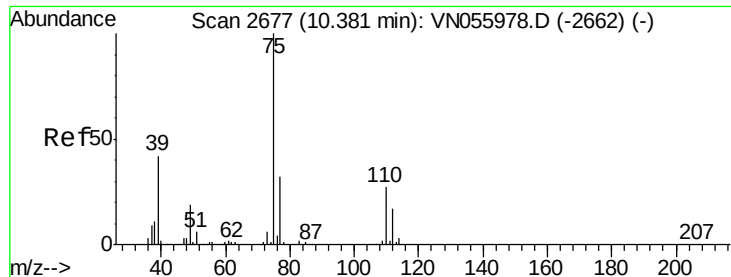
Tgt Ion: 92 Resp: 404163

Ion Ratio Lower Upper

92 100

91 175.1 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 48.375 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

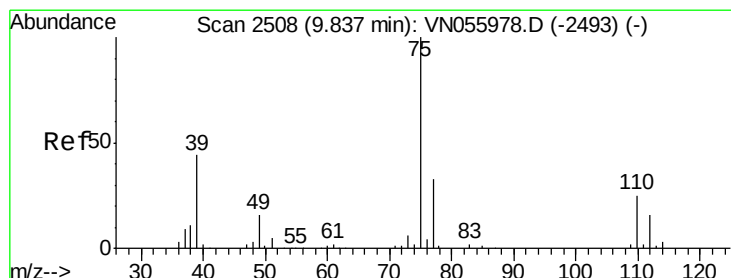
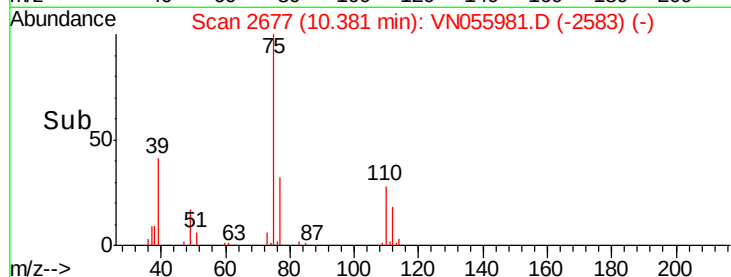
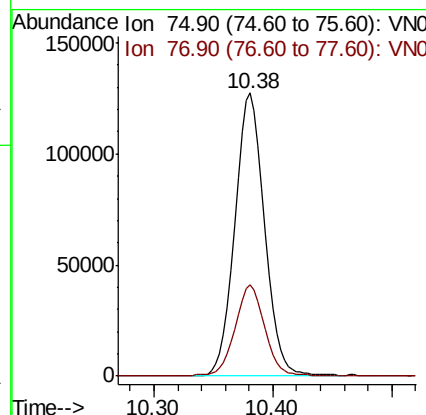
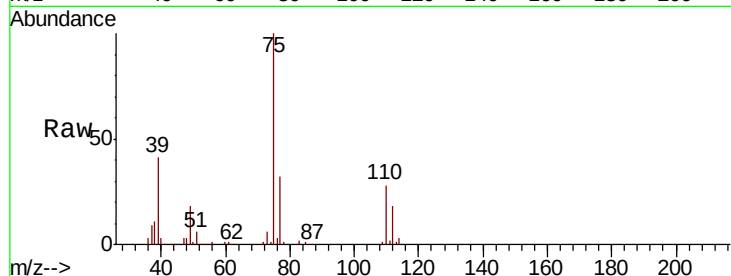
ICV060419

Tot Ion: 75 Resp: 220125

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 54.069 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

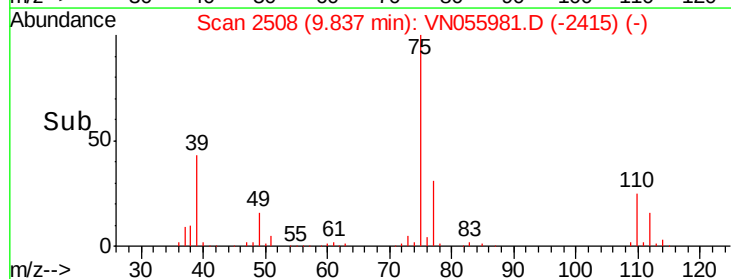
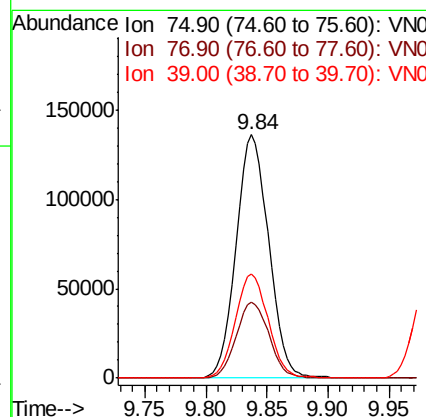
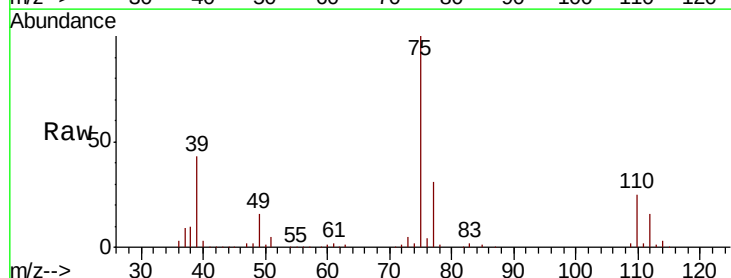
Tgt Ion: 75 Resp: 252675

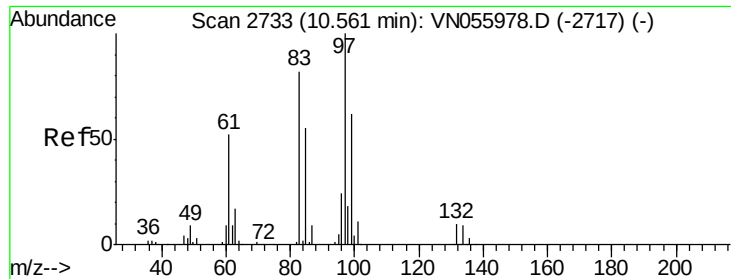
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 42.9 36.3 54.5

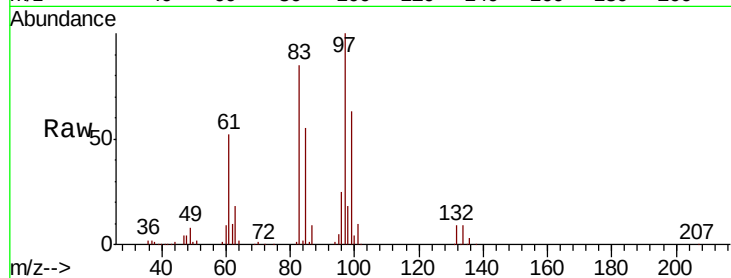




#55
 1,1,2-Trichloroethane
 Concen: 50.790 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.0	100.6
85	55.1	44.0	66.0
99	62.7	50.6	75.8



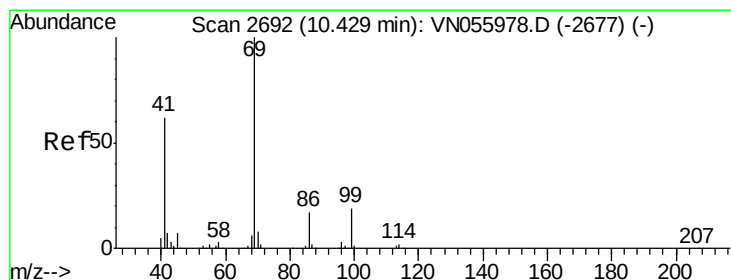
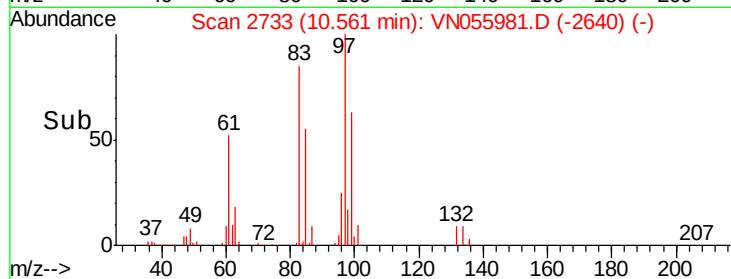
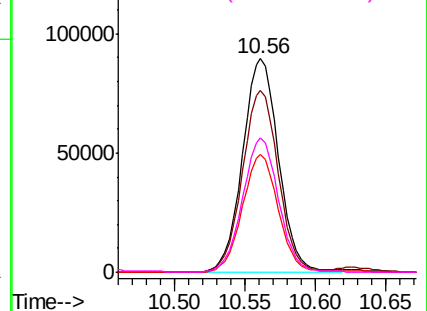
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

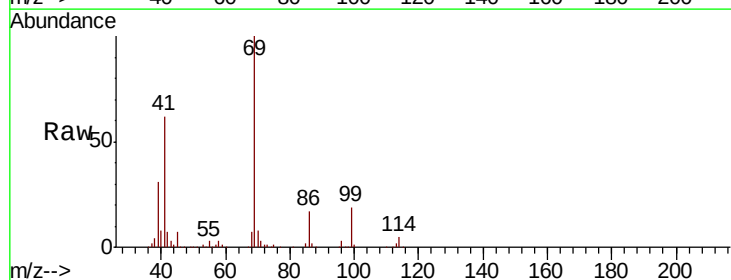
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 52.396 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.8	49.7	74.5
39	30.3	24.7	37.1

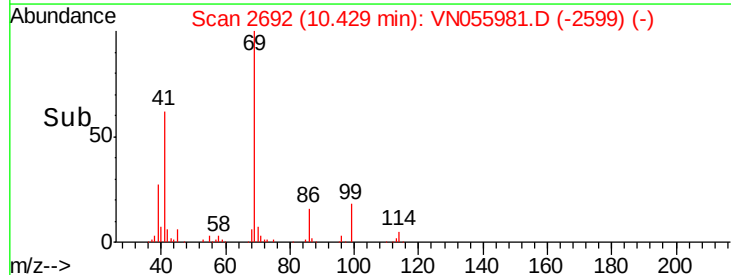
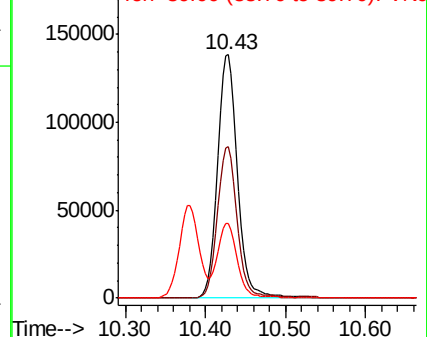


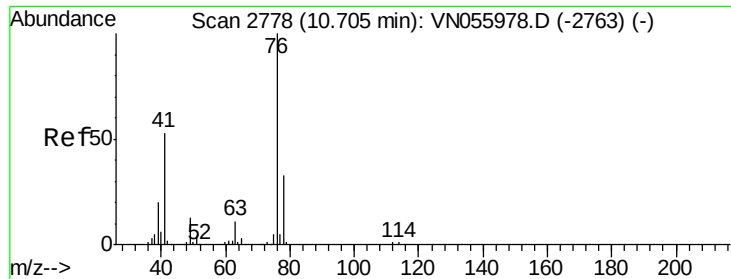
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.399 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

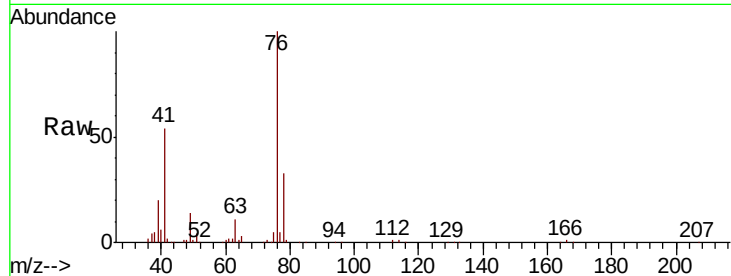
ICV060419

Tot Ion: 76 Resp: 258630

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

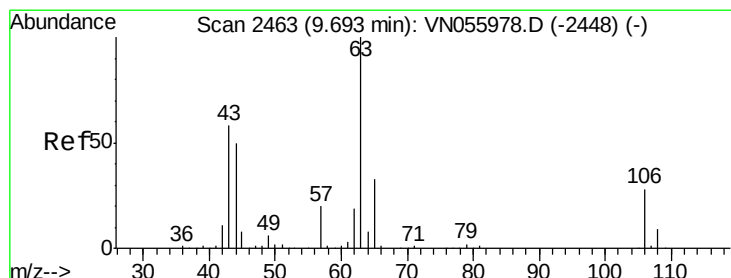
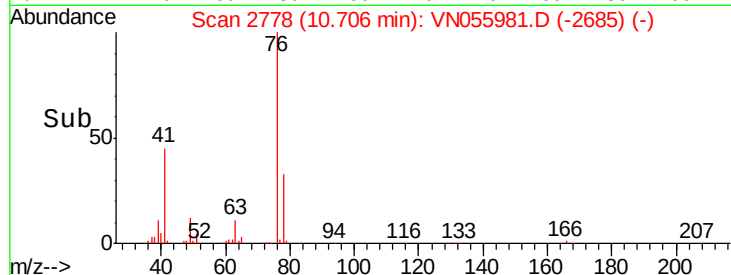
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 232.867 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055981.D

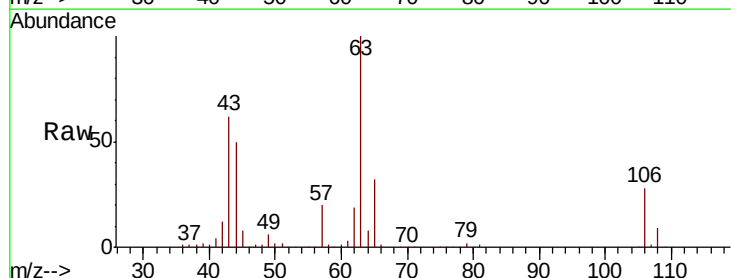
Acq: 4 Jun 2019 10:52

Tgt Ion: 63 Resp: 423216

Ion Ratio Lower Upper

63 100

106 28.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

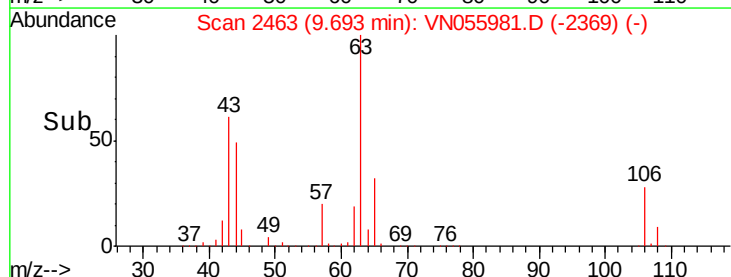
150000

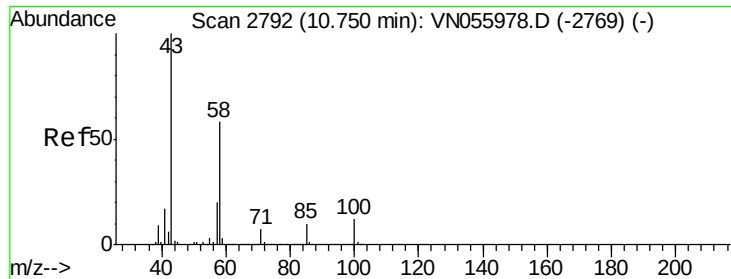
100000

50000

0

Time--> 9.60 9.70 9.80

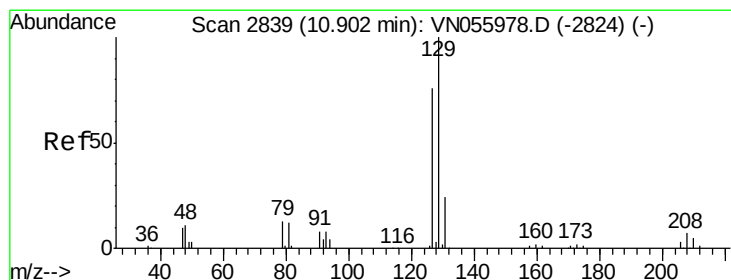
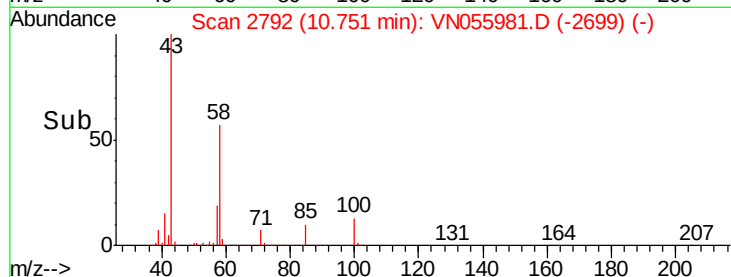
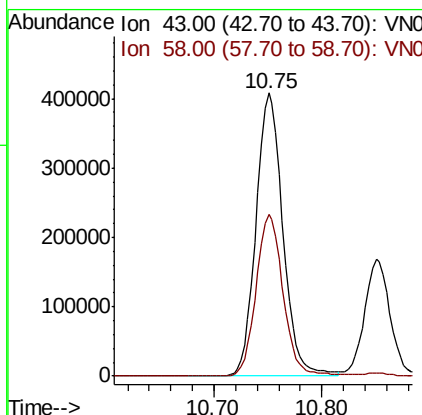
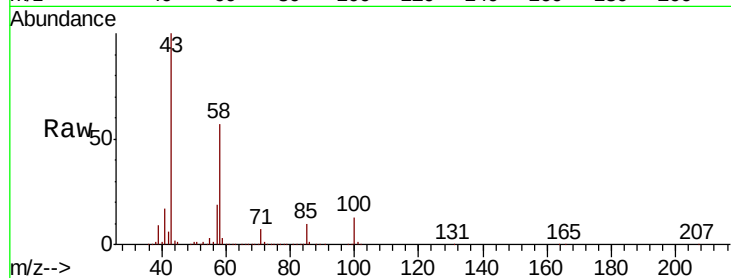




#59
2-Hexanone
Concen: 256.819 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

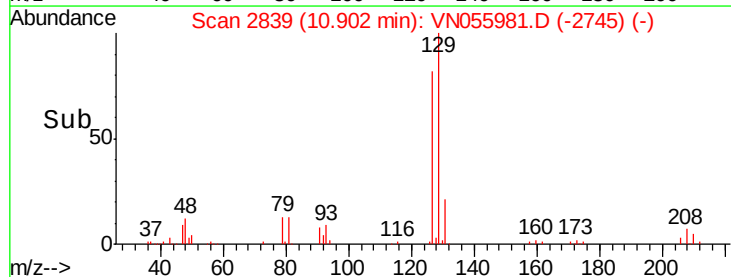
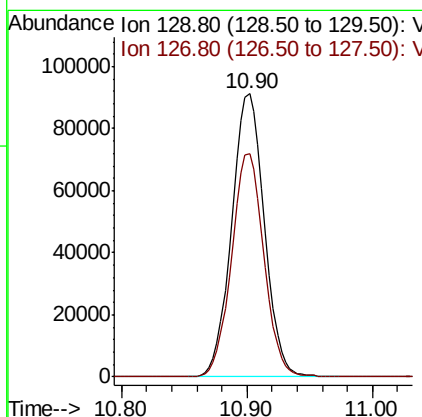
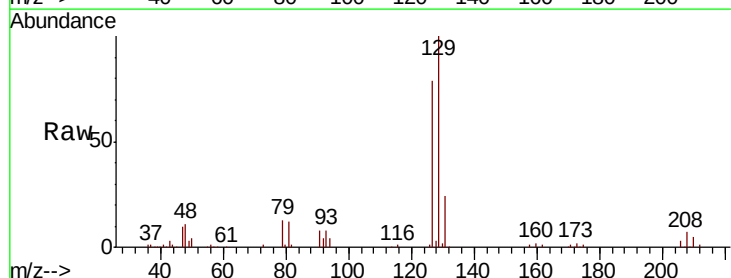
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

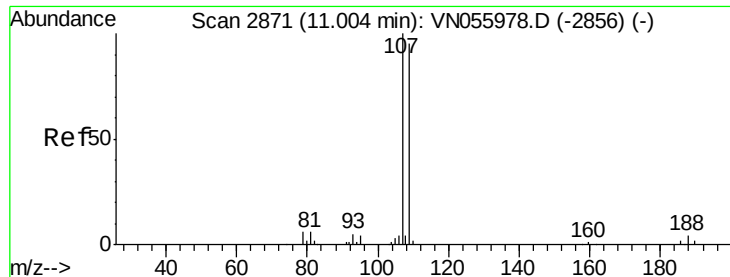
Tot Ion: 43 Resp: 707663
Ion Ratio Lower Upper
43 100
58 57.3 28.2 84.7



#60
Dibromochloromethane
Concen: 47.512 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 129 Resp: 164967
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.595 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

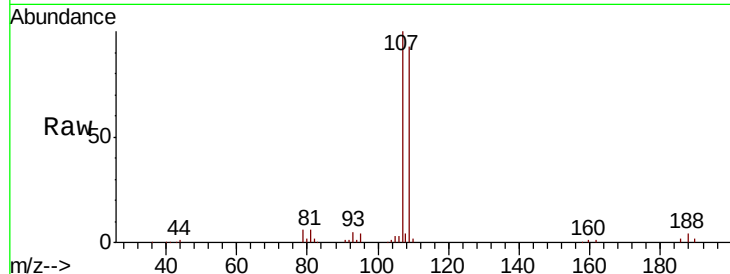
ICVVN060419

Tot Ion: 107 Resp: 166503

Ion Ratio Lower Upper

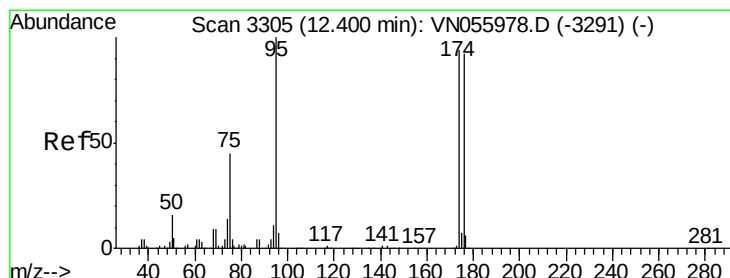
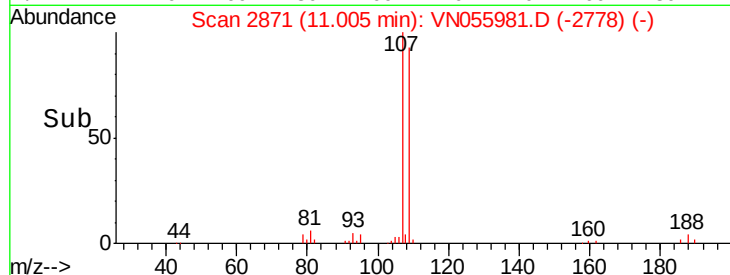
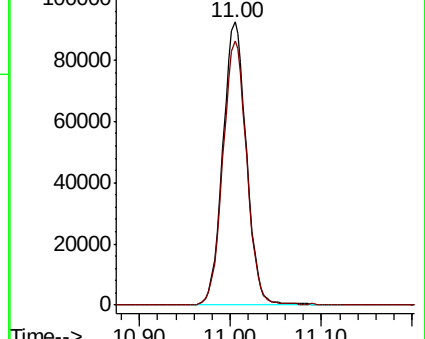
107 100

109 94.0 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.802 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

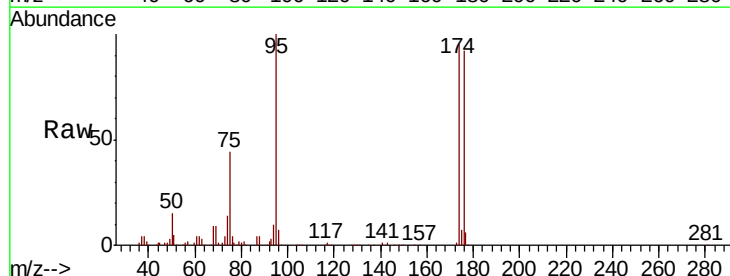
Tgt Ion: 95 Resp: 203951

Ion Ratio Lower Upper

95 100

174 95.6 0.0 191.0

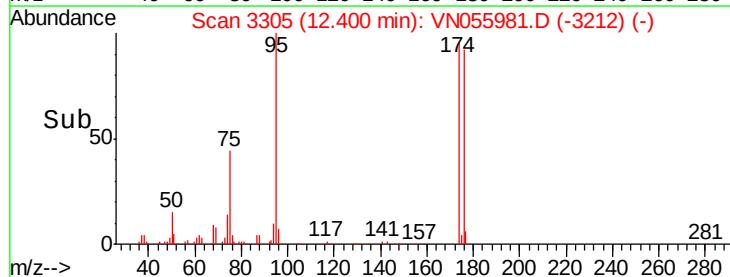
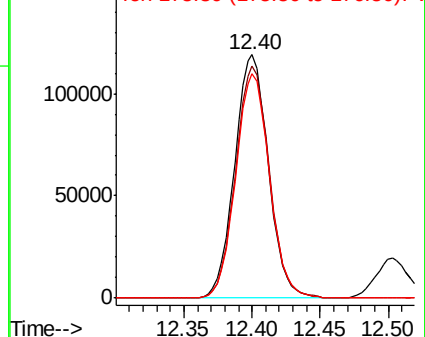
176 92.6 0.0 185.2

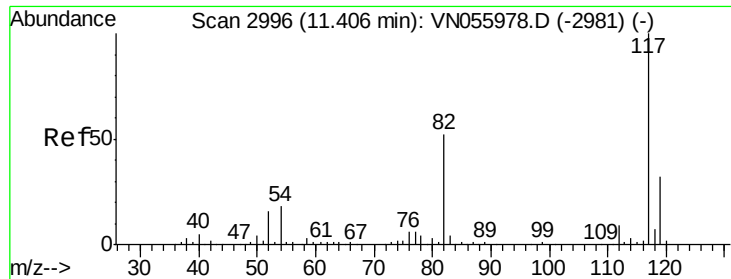


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

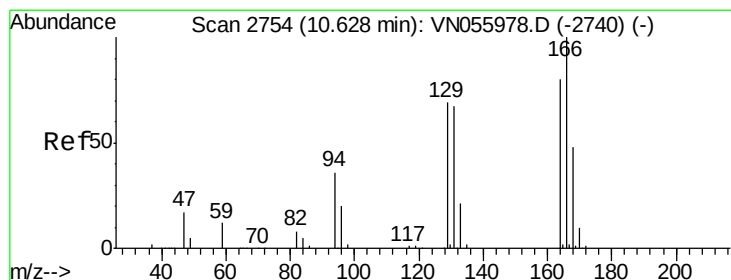
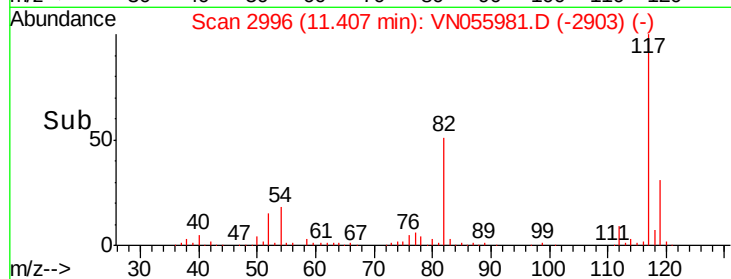
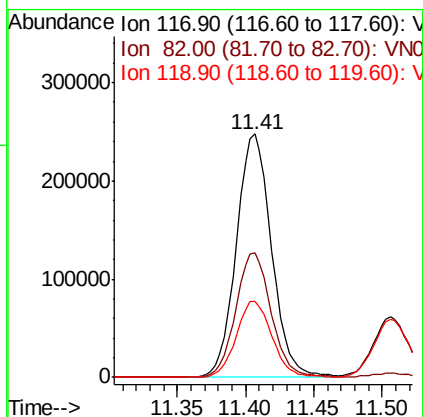
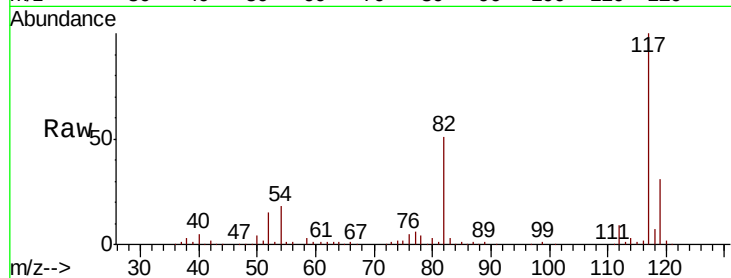




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

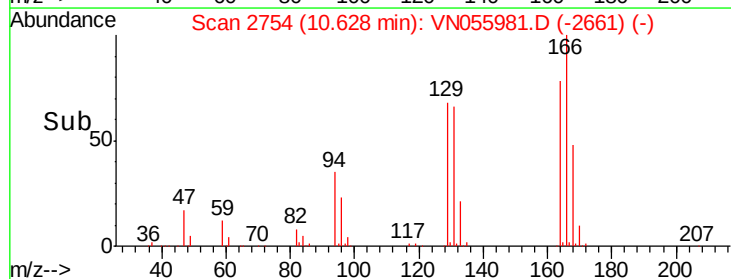
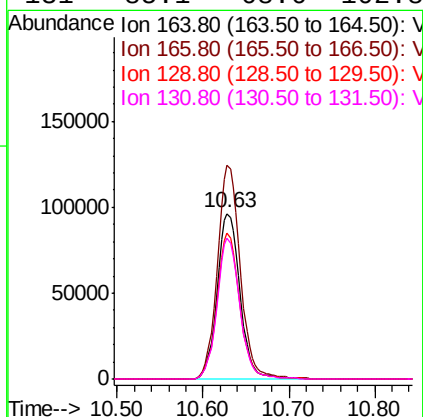
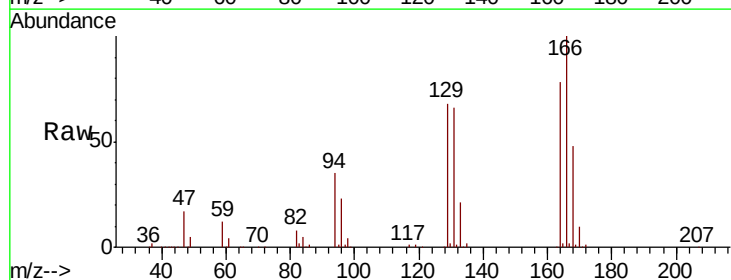
Instrument :
MSVOA_N
ClientSampleId :
ICV060419

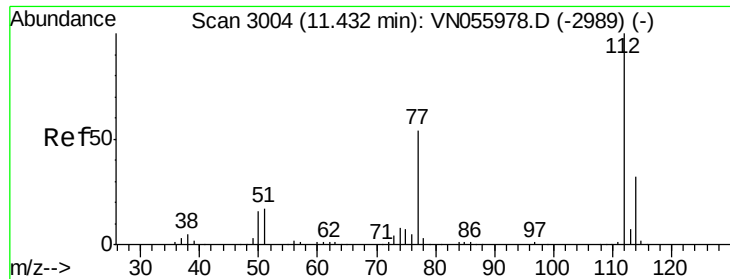
Tot Ion:117 Resp: 443874
Ion Ratio Lower Upper
117 100
82 51.0 41.8 62.8
119 31.1 25.4 38.0



#64
Tetrachloroethene
Concen: 46.514 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion:164 Resp: 178719
Ion Ratio Lower Upper
164 100
166 128.9 103.0 154.6
129 87.9 70.6 105.8
131 85.1 68.6 102.8

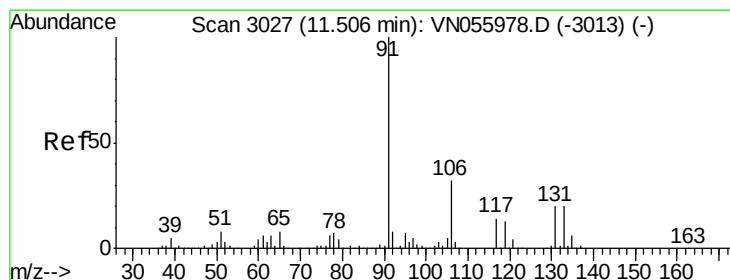
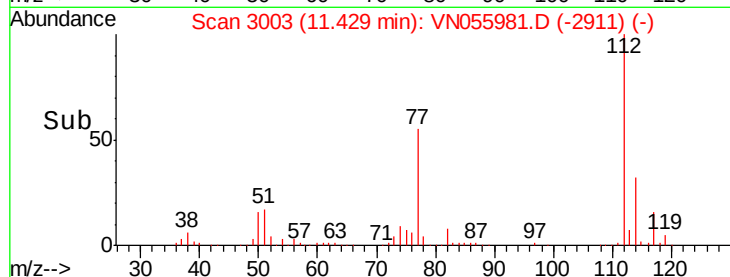
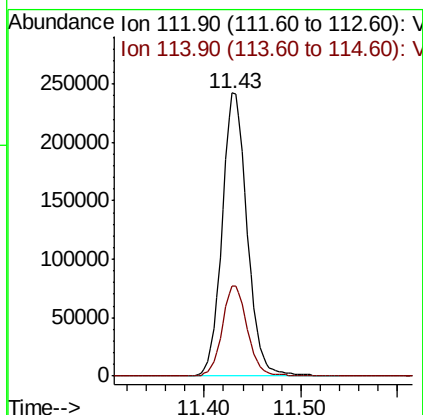
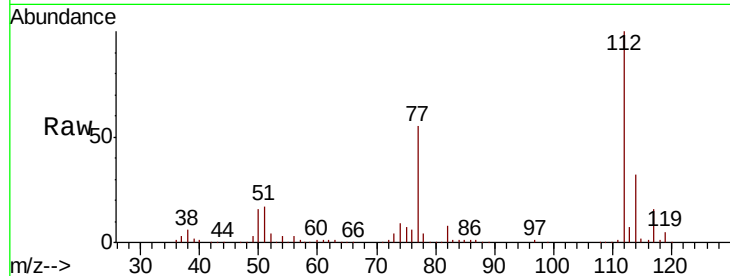




#65
Chlorobenzene
Concen: 49.349 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

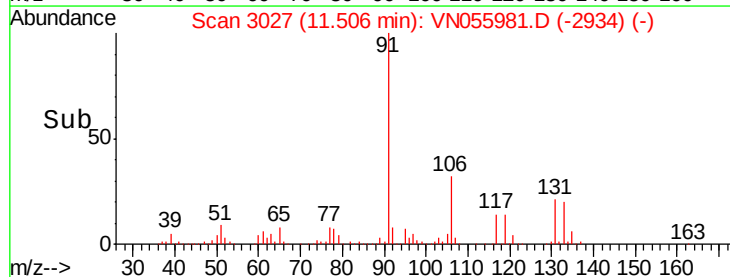
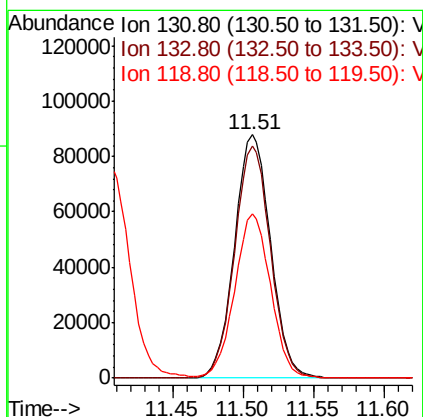
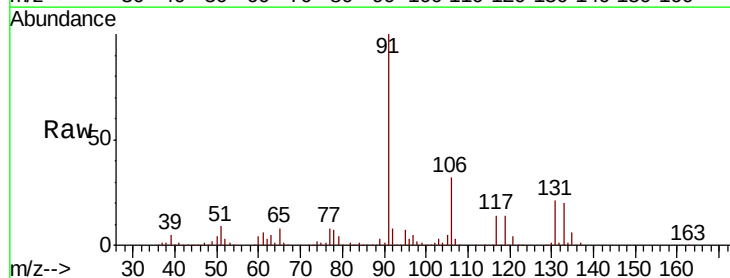
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

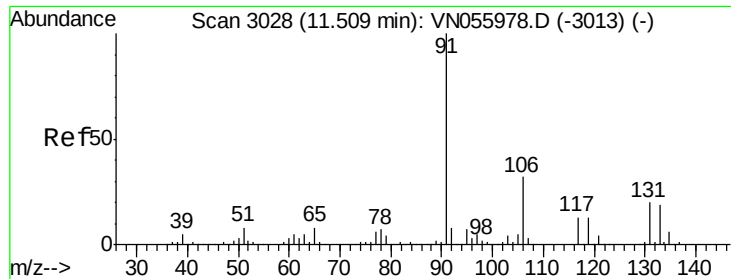
Tot Ion:112 Resp: 435952
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.706 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion:131 Resp: 157717
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 67.3 33.1 99.5





#67

Ethyl Benzene

Concen: 49.568 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

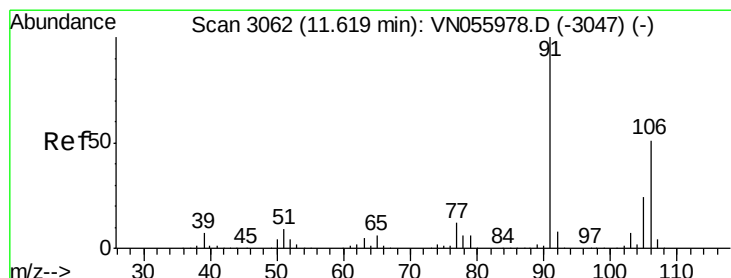
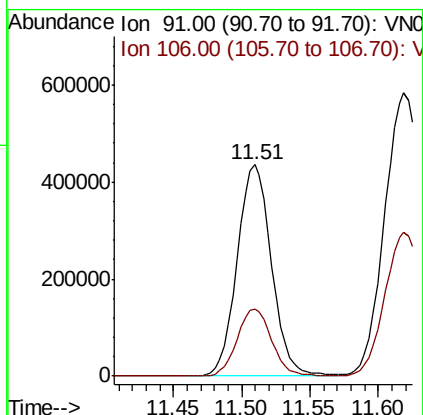
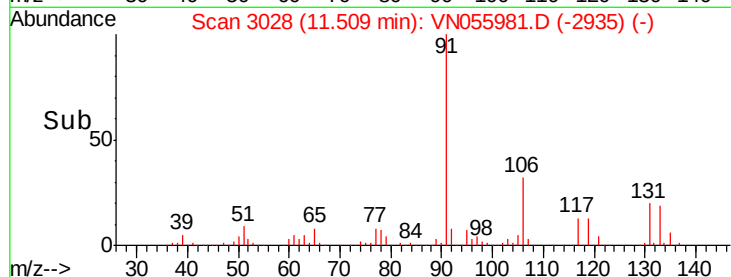
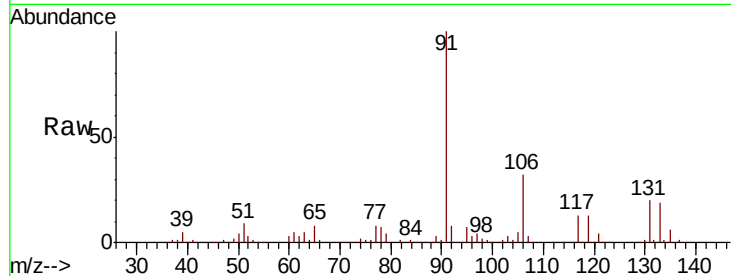
ICV060419

Tot Ion: 91 Resp: 761405

Ion Ratio Lower Upper

91 100

106 32.0 25.1 37.7



#68

m/p-Xylenes

Concen: 99.842 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055981.D

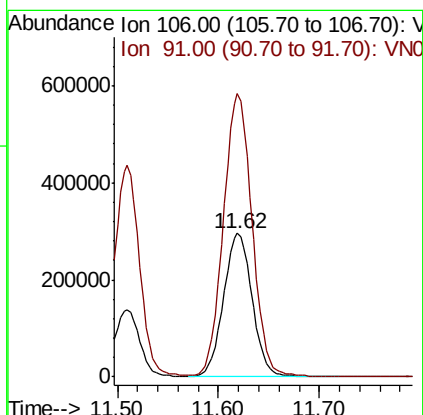
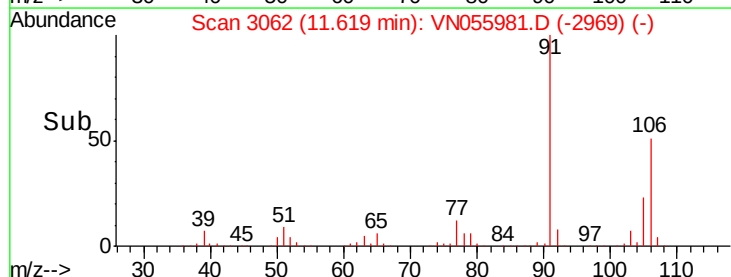
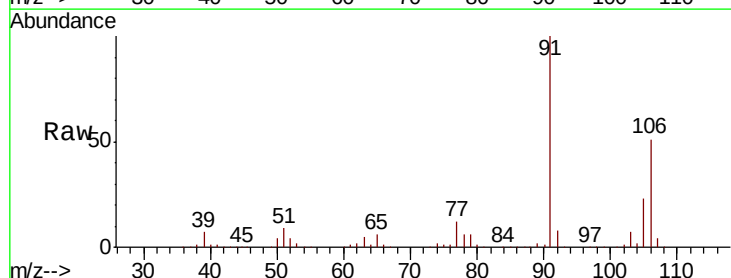
Acq: 4 Jun 2019 10:52

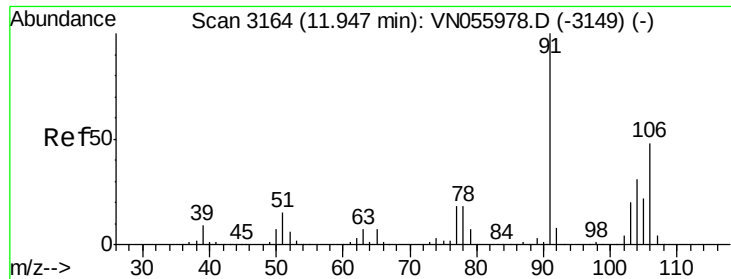
Tgt Ion: 106 Resp: 585875

Ion Ratio Lower Upper

106 100

91 198.5 159.3 238.9

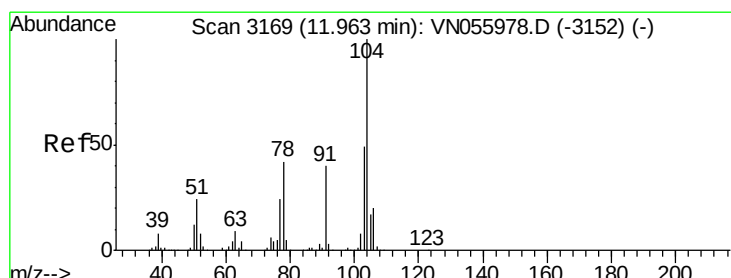
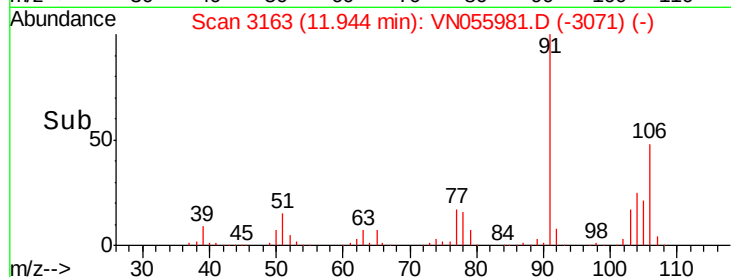
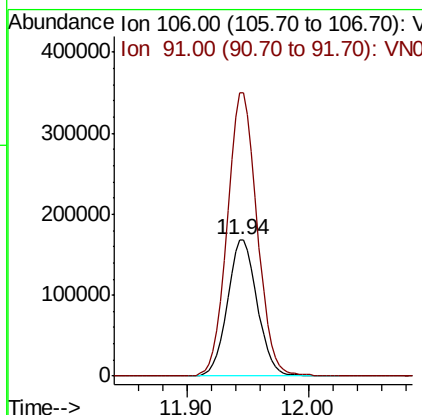
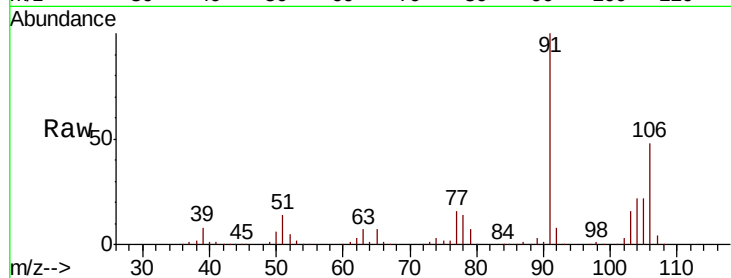




#69
o-Xylene
Concen: 49.729 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

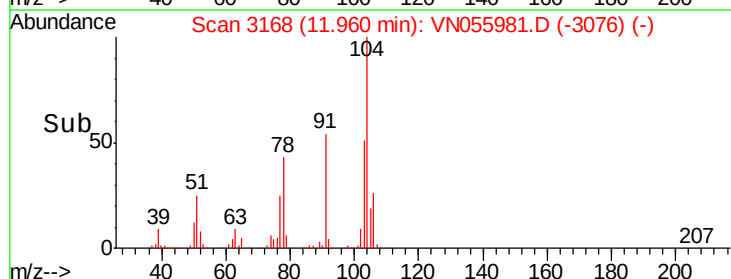
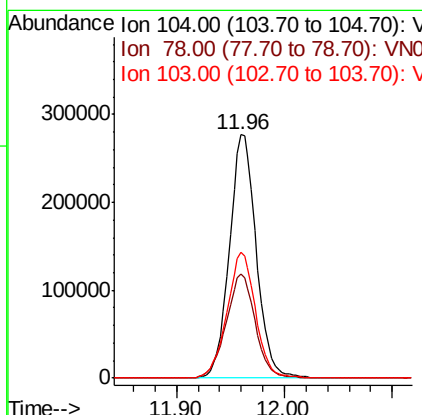
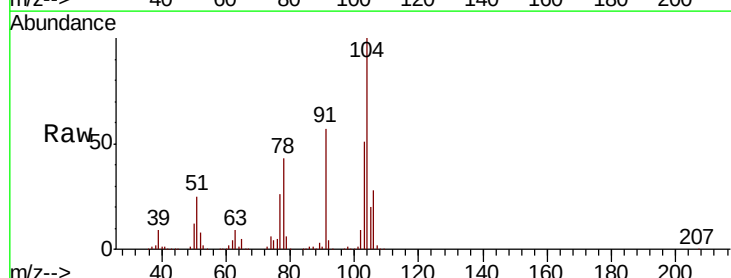
Instrument :
MSVOA_N
ClientSampled :
ICVVN060419

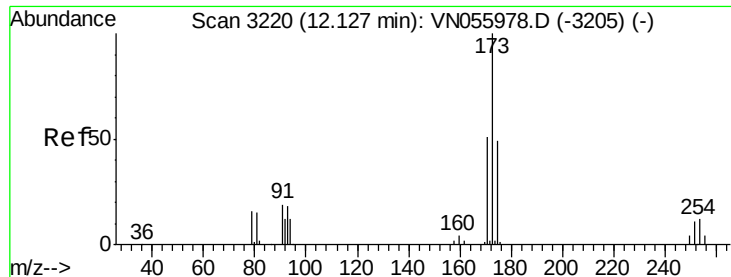
Tot Ion:106 Resp: 287041
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1



#70
Styrene
Concen: 52.533 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion:104 Resp: 481783
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.8 44.2 66.2

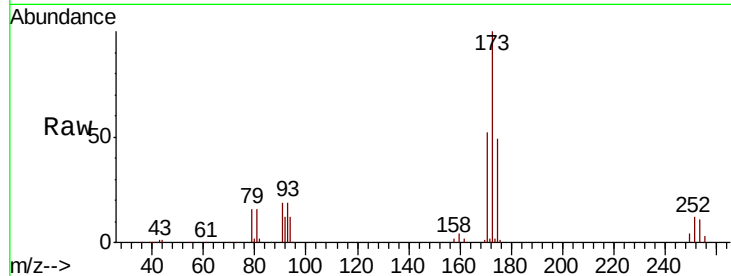




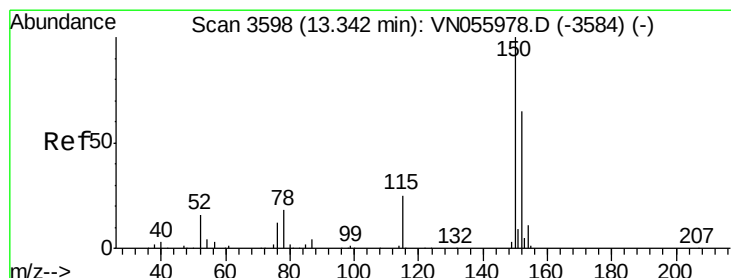
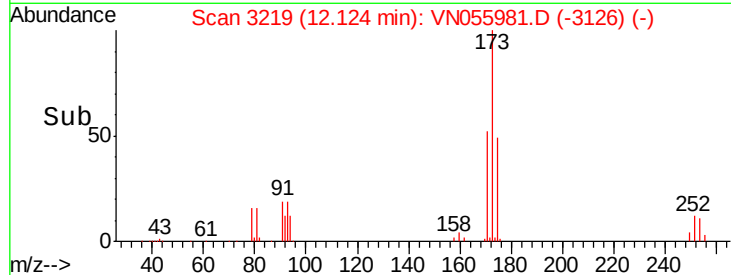
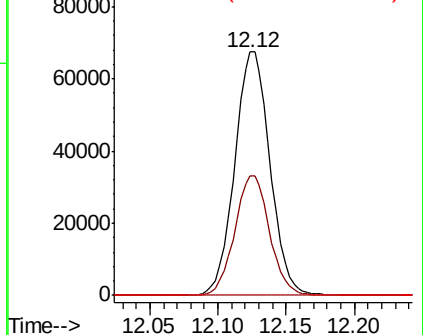
#71
Bromoform
Concen: 47.258 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

Tot Ion:173 Resp: 120614
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.8
254 0.0 0.0 0.0

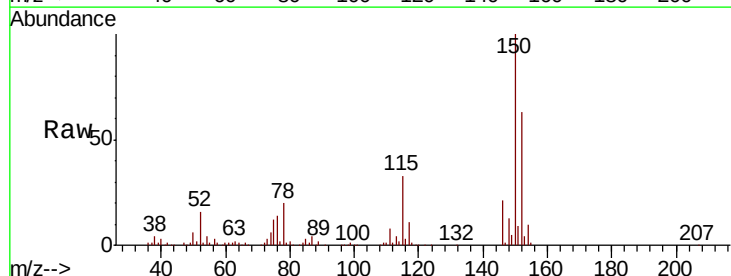


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

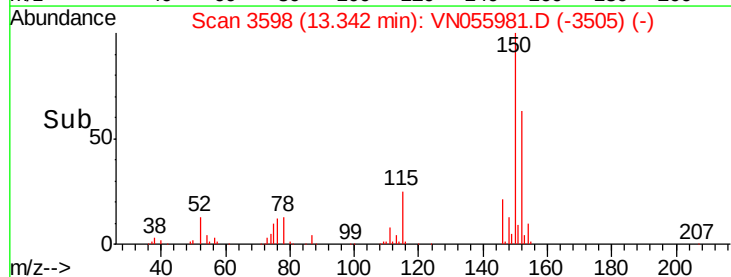
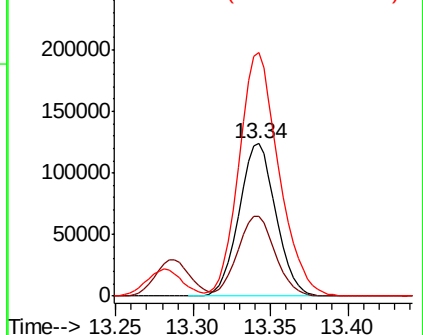


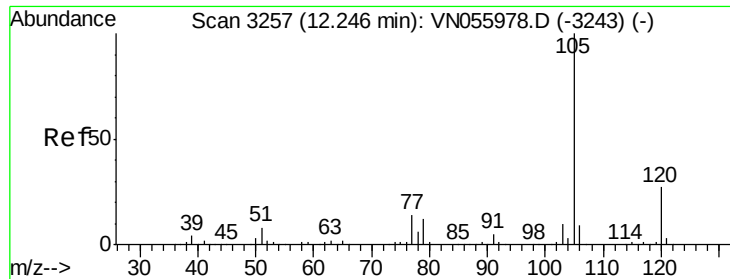
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion:152 Resp: 204945
Ion Ratio Lower Upper
152 100
115 53.4 27.0 81.0
150 172.8 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: 51.685 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

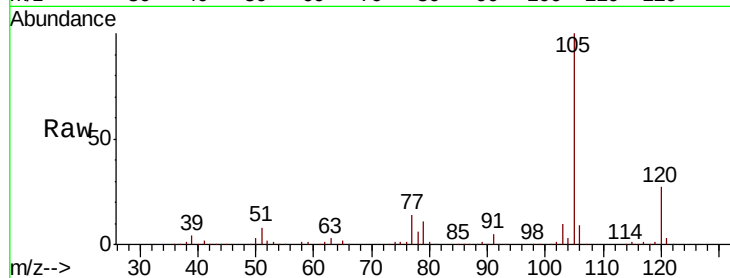
ICVVN060419

Tot Ion:105 Resp: 753844

Ion Ratio Lower Upper

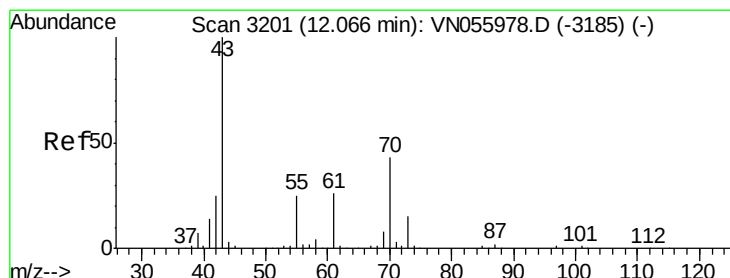
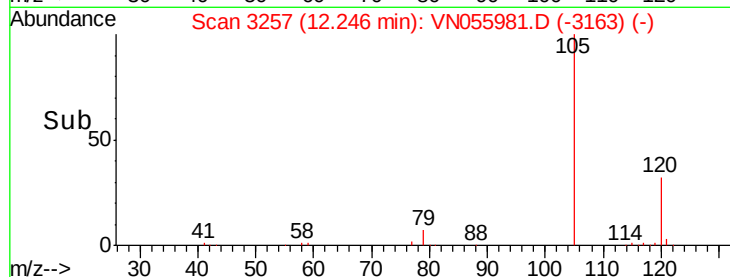
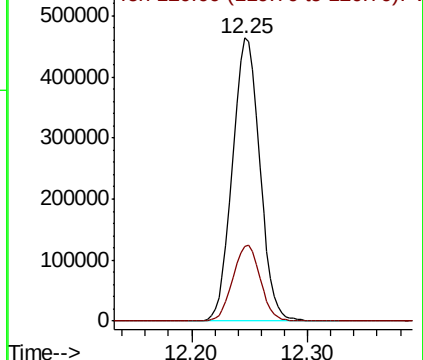
105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.009 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Tgt Ion: 43 Resp: 267744

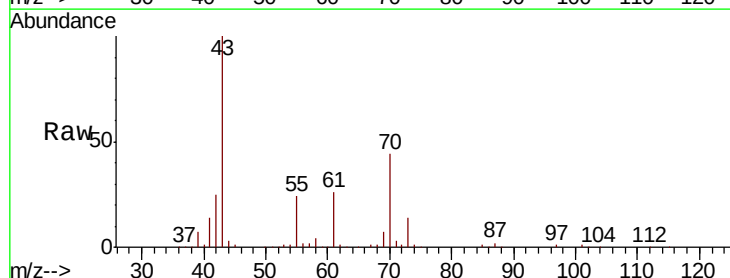
Ion Ratio Lower Upper

43 100

70 43.5 34.0 51.0

55 24.7 18.6 28.0

61 25.6 20.0 30.0

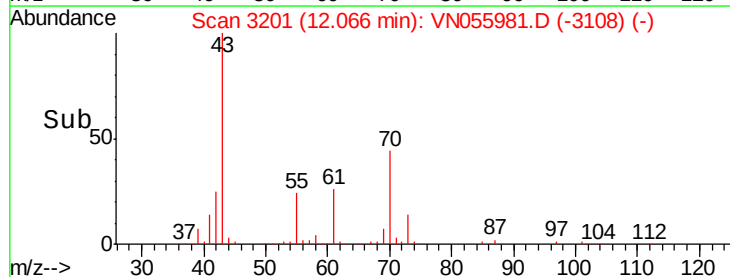
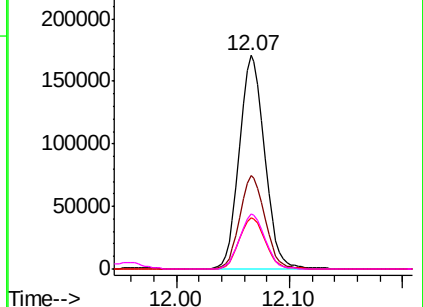


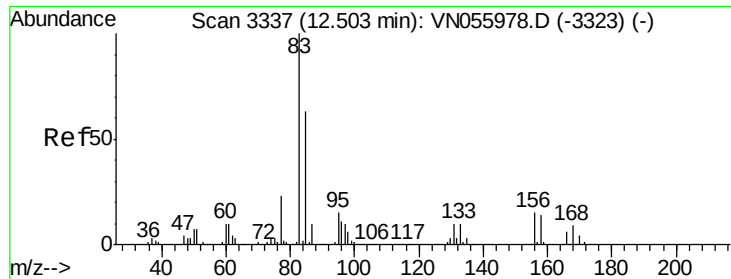
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.704 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

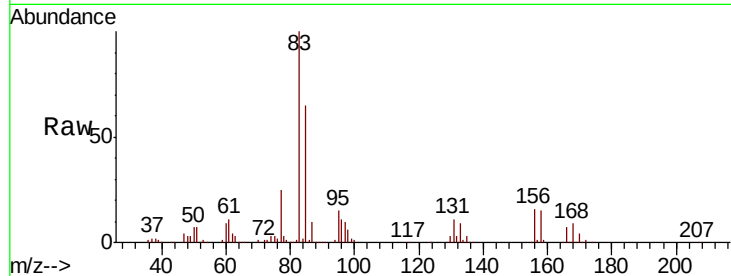
Tot Ion: 83 Resp: 222201

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

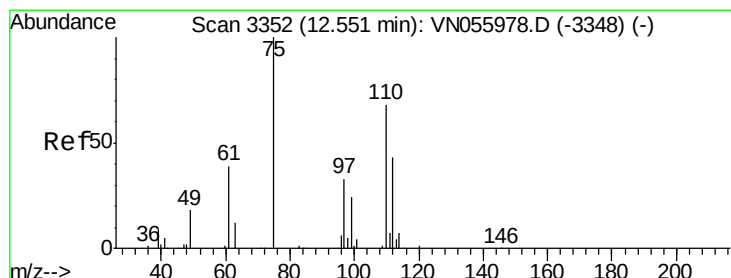
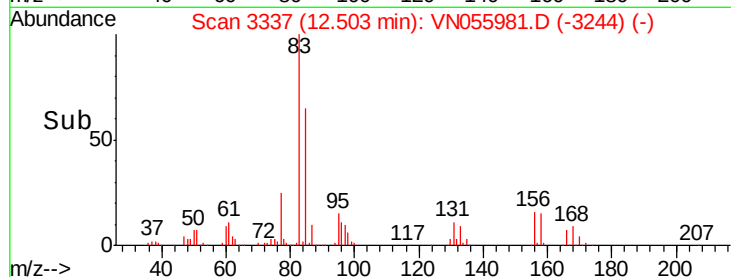
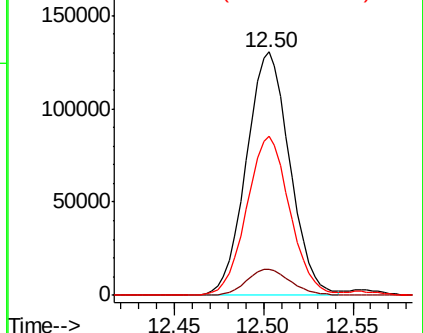
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 69.851 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055981.D

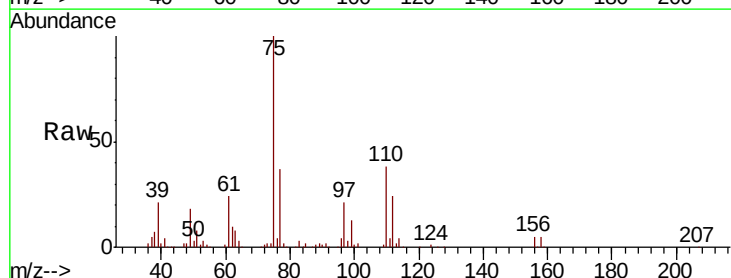
Acq: 4 Jun 2019 10:52

Tgt Ion: 75 Resp: 263413

Ion Ratio Lower Upper

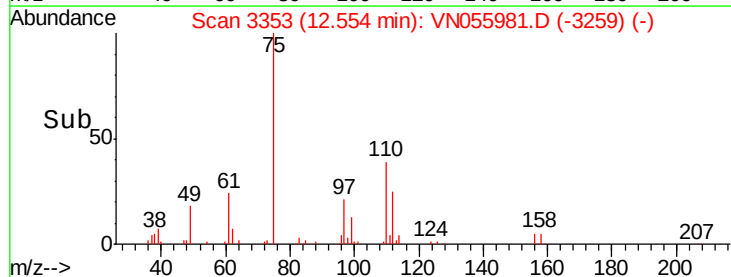
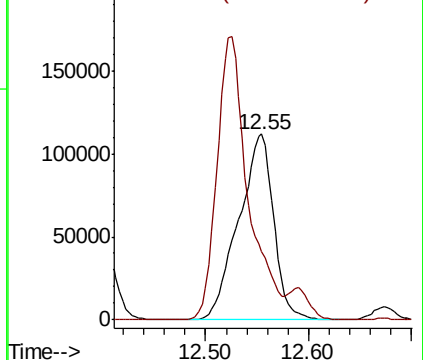
75 100

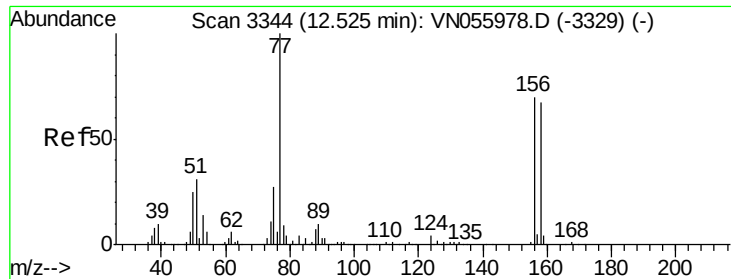
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

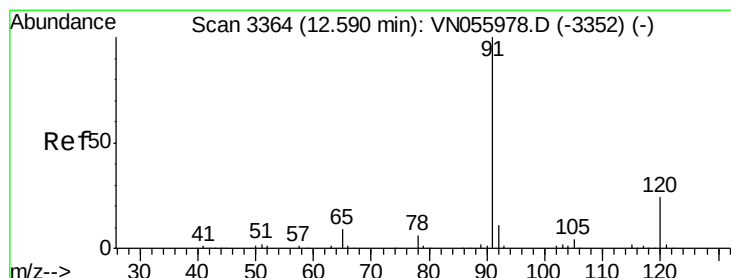
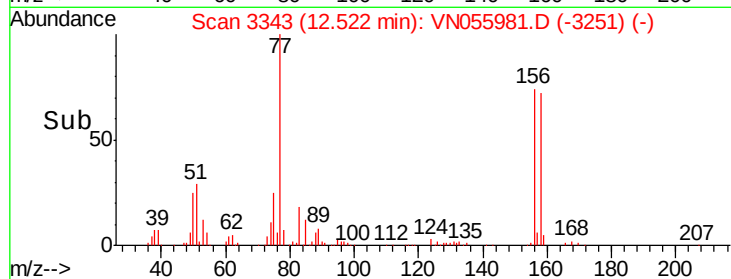
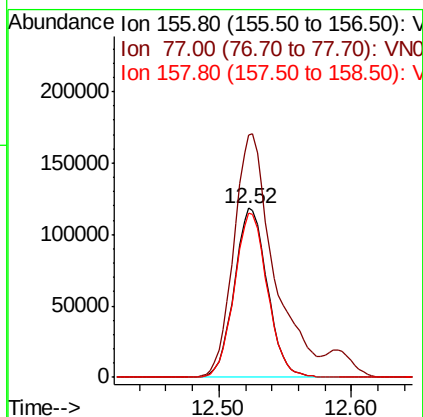
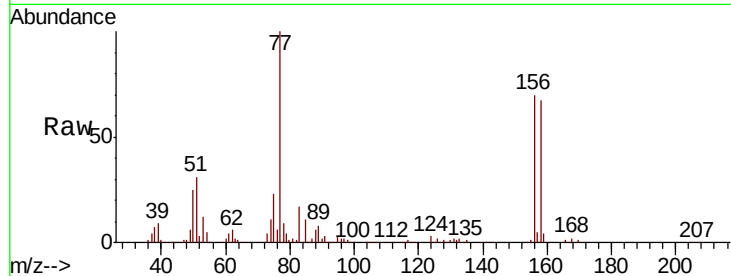




#77
Bromobenzene
Concen: 46.610 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

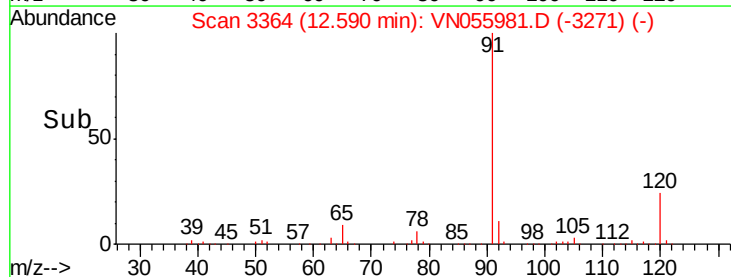
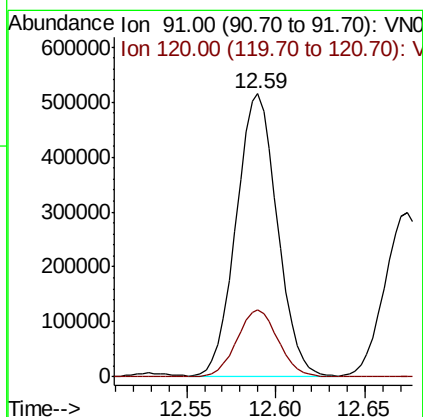
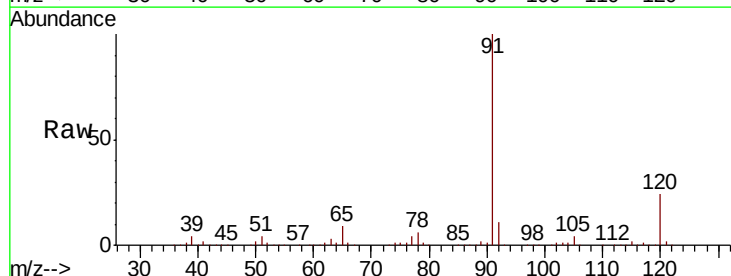
Instrument :
MSVOA_N
ClientSampleId :
ICVVN060419

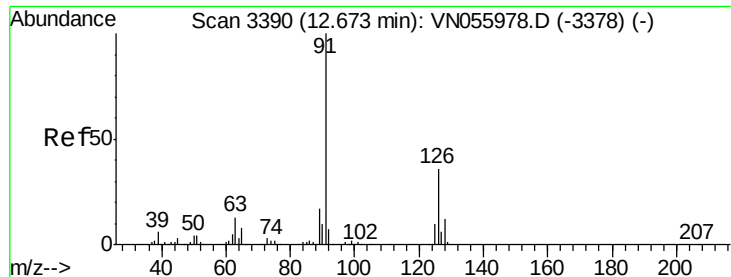
Tot Ion:156 Resp: 204515
Ion Ratio Lower Upper
156 100
77 175.4 90.8 272.5
158 97.5 49.3 147.8



#78
n-propylbenzene
Concen: 47.561 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055981.D
Acq: 4 Jun 2019 10:52

Tgt Ion: 91 Resp: 824628
Ion Ratio Lower Upper
91 100
120 24.0 12.0 36.0





#79

2-Chlorotoluene

Concen: 51.737 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

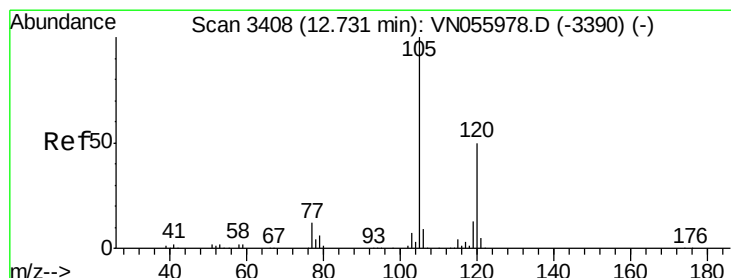
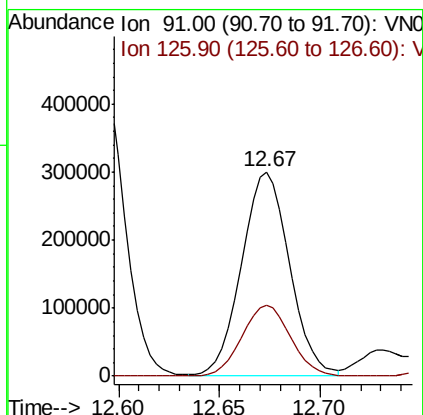
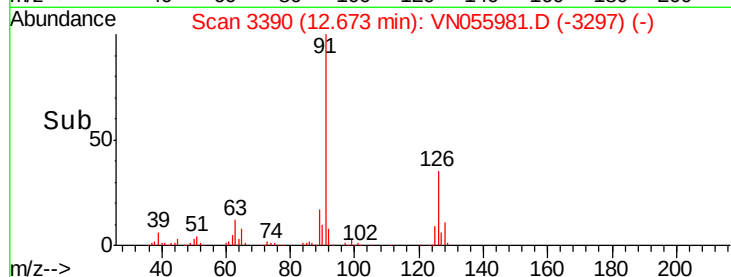
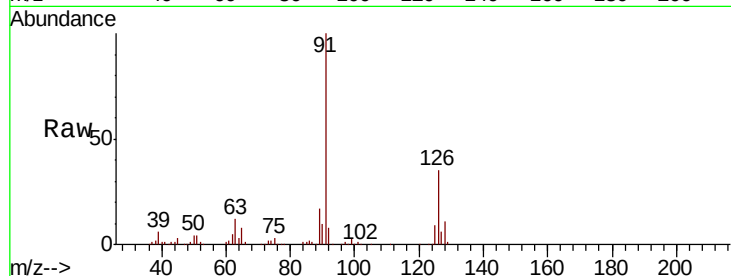
ICV060419

Tot Ion: 91 Resp: 496778

Ion Ratio Lower Upper

91 100

126 35.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 45.768 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055981.D

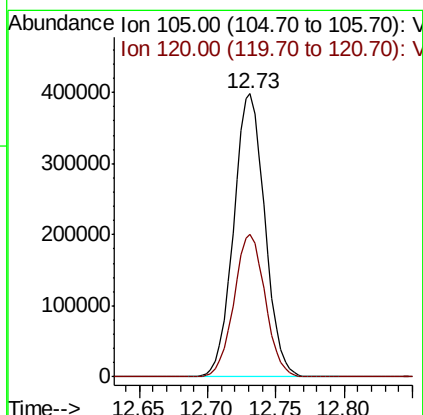
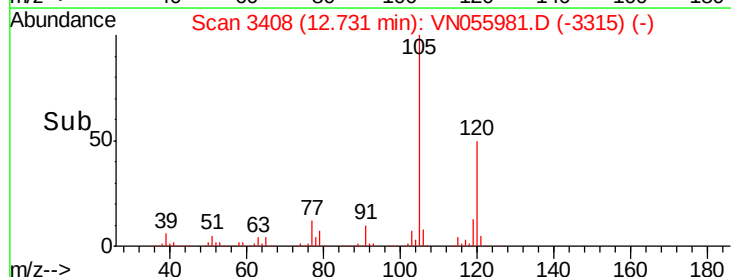
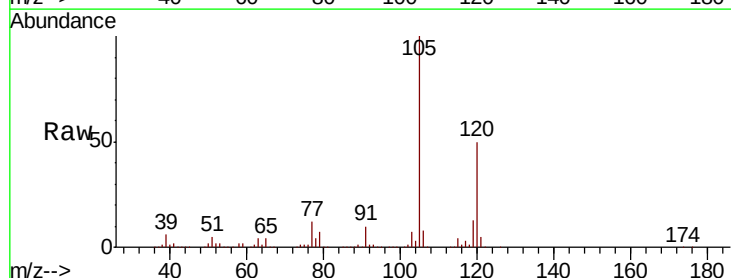
Acq: 4 Jun 2019 10:52

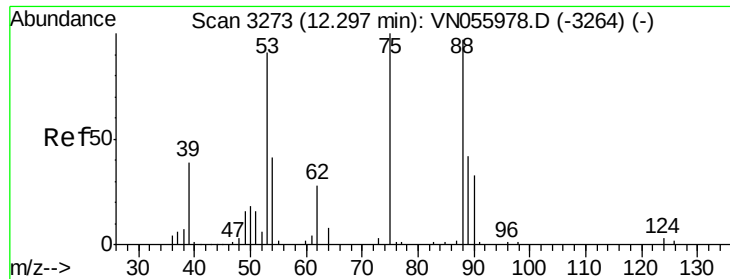
Tgt Ion: 105 Resp: 630668

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 51.380 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

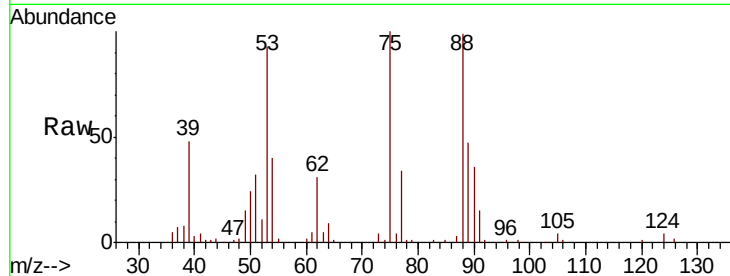
Tot Ion: 75 Resp: 58182

Ion Ratio Lower Upper

75 100

53 93.3 68.1 102.1

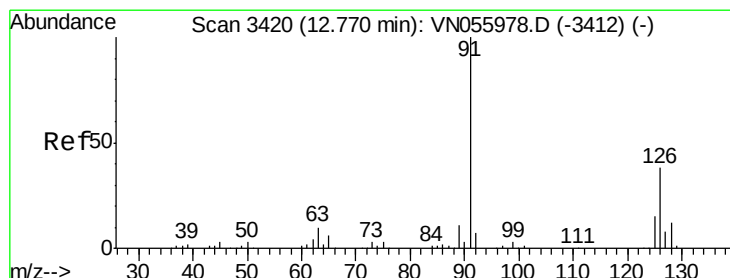
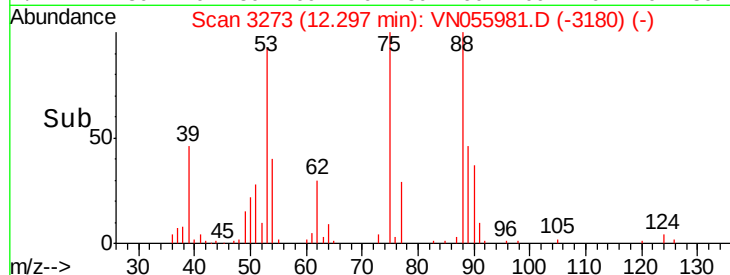
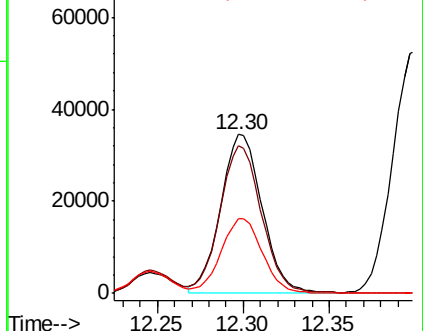
89 46.7 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.464 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN055981.D

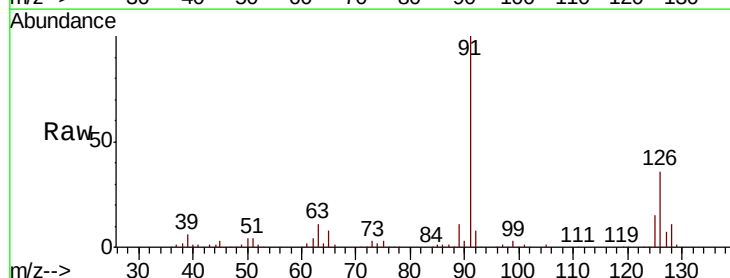
Acq: 4 Jun 2019 10:52

Tgt Ion: 91 Resp: 491599

Ion Ratio Lower Upper

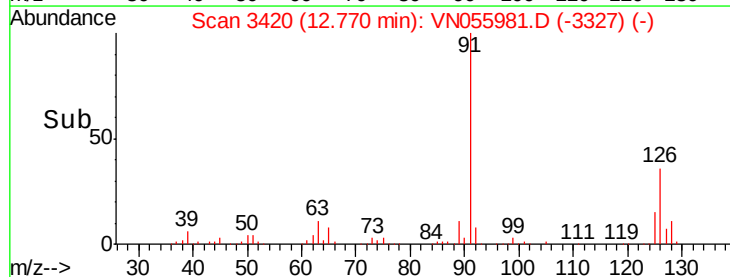
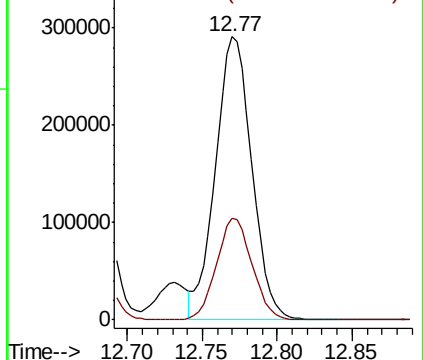
91 100

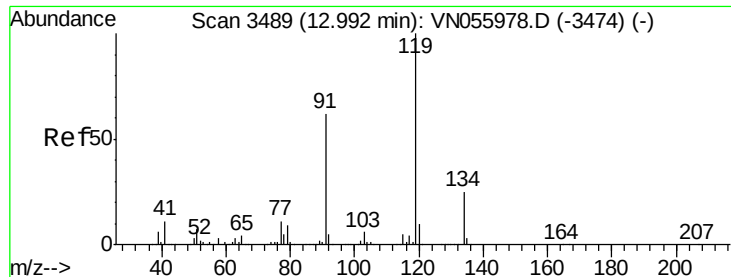
126 35.3 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

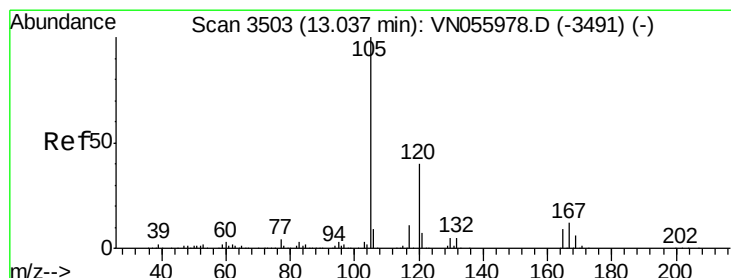
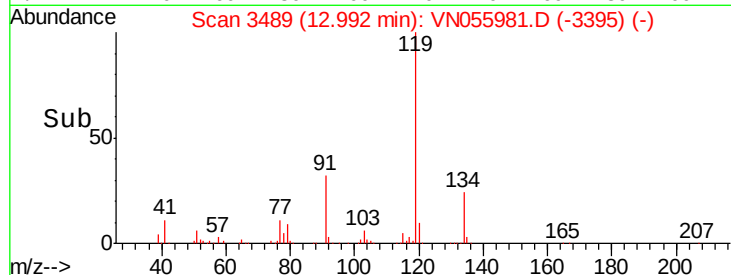
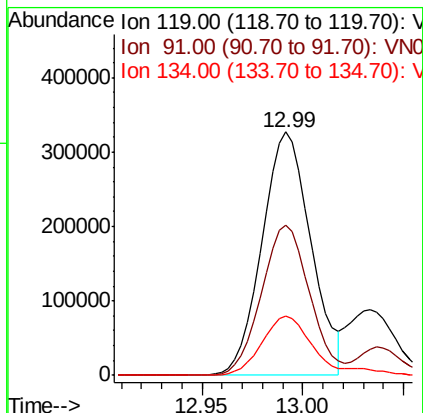
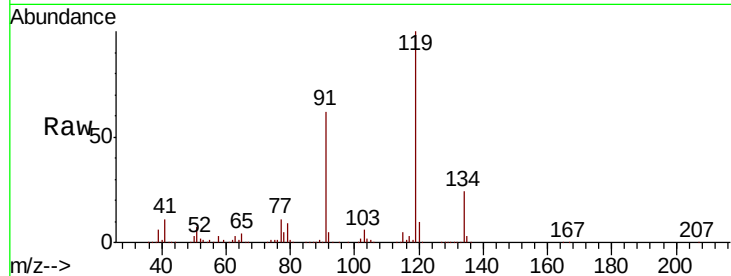




#83
 tert-Butylbenzene
 Concen: 51.864 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

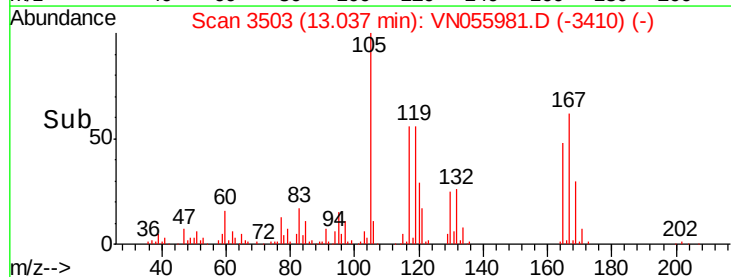
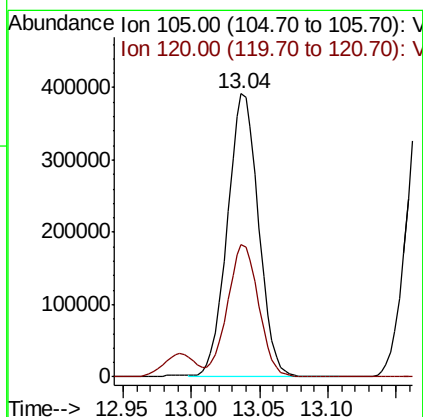
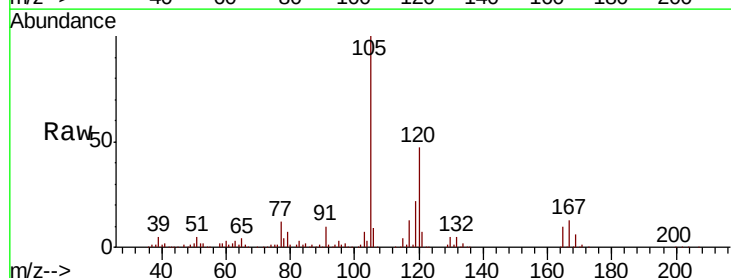
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

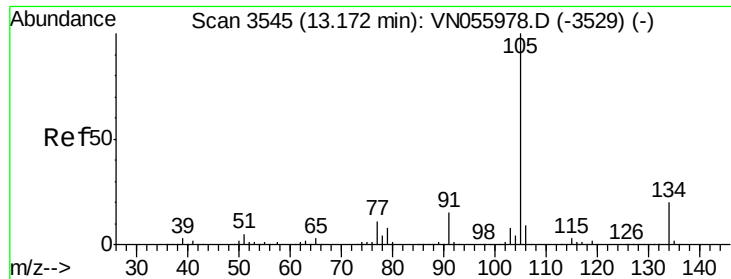
Tot Ion:119 Resp: 553419
 Ion Ratio Lower Upper
 119 100
 91 60.7 30.9 92.8
 134 24.3 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.435 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion:105 Resp: 619846
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 46.911 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

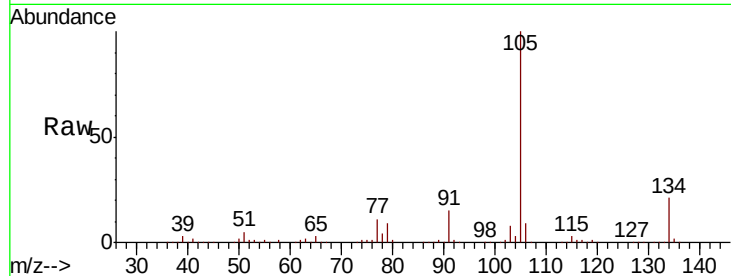
ICVVN060419

Tot Ion:105 Resp: 720300

Ion Ratio Lower Upper

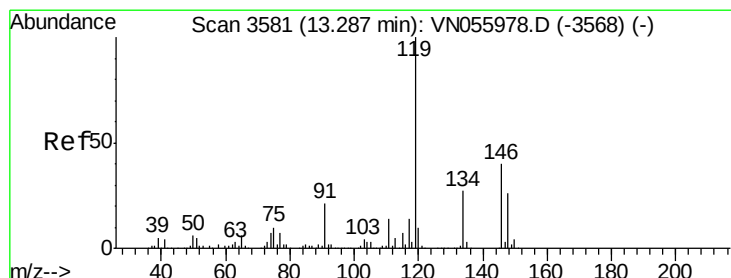
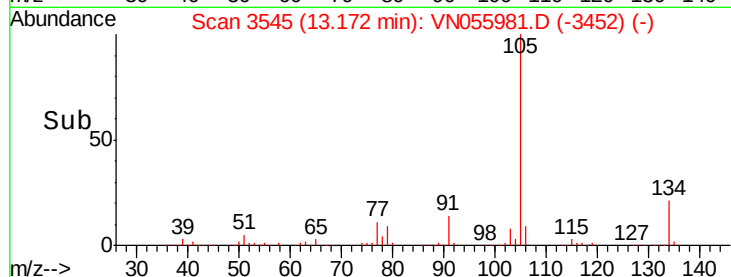
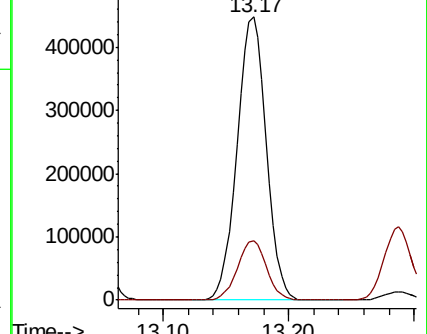
105 100

134 20.8 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: 47.861 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

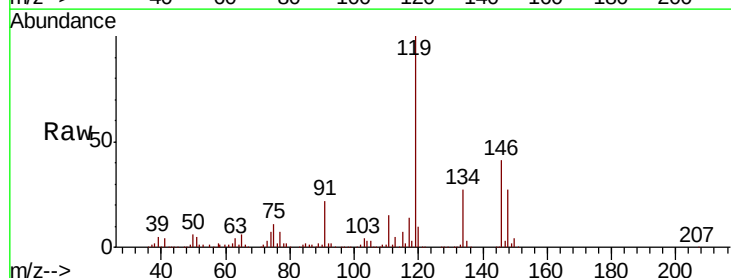
Tgt Ion:119 Resp: 657696

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

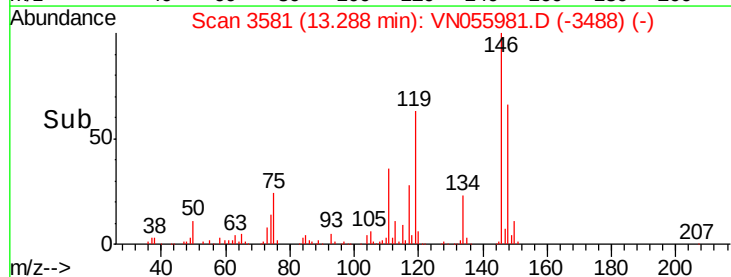
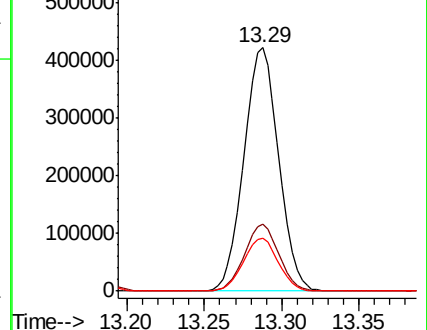
91 21.6 10.9 32.9

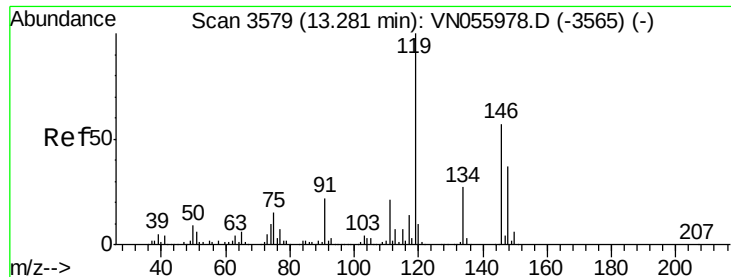


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

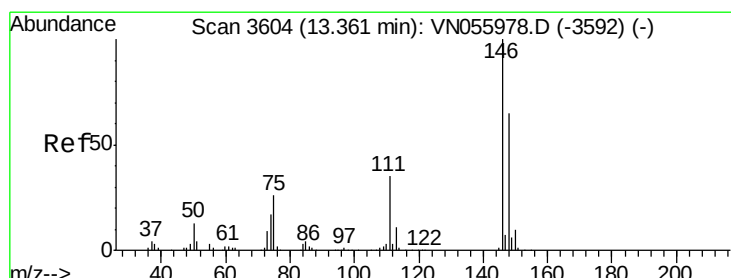
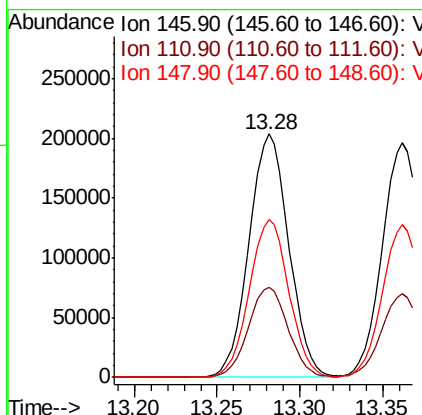
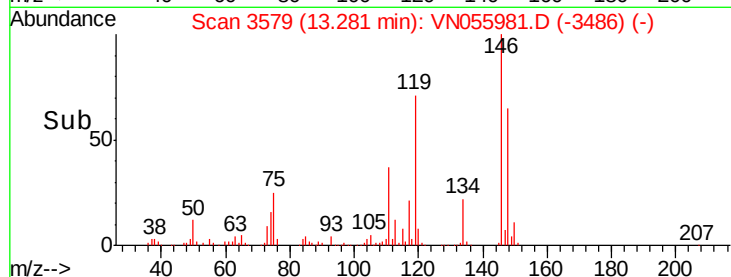
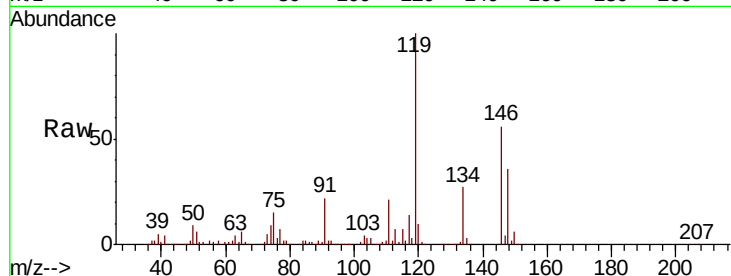




#87
 1,3-Dichlorobenzene
 Concen: 50.063 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

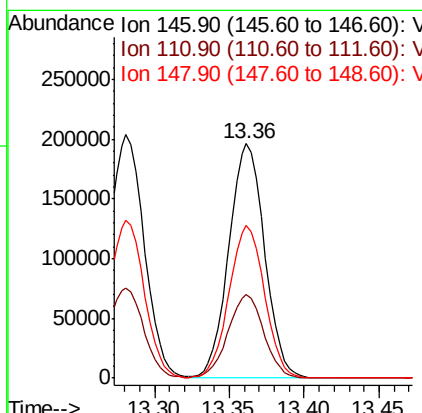
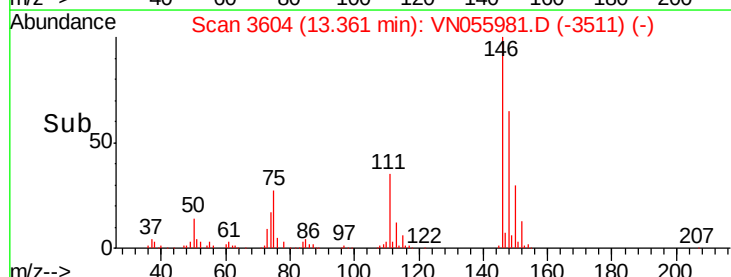
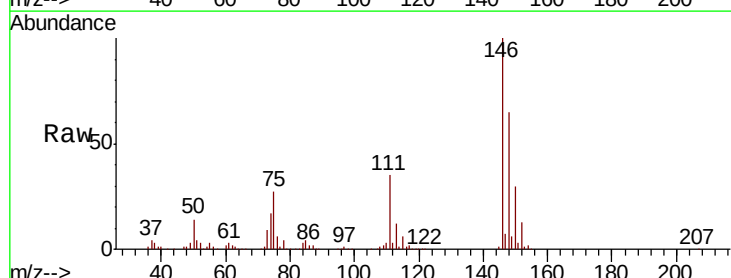
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060419

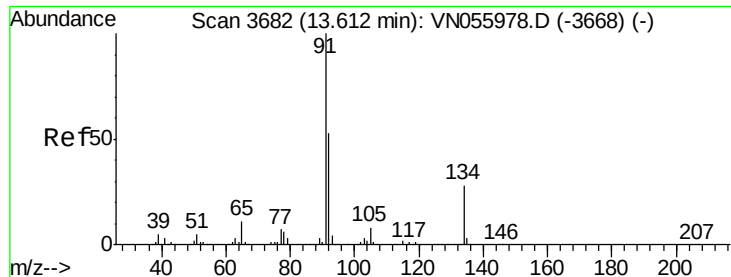
Tot Ion:146 Resp: 339979
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.5 55.5
 148 64.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.982 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion:146 Resp: 326518
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.1 54.4
 148 64.8 32.1 96.5





#89

n-Butylbenzene

Concen: 51.054 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICV060419

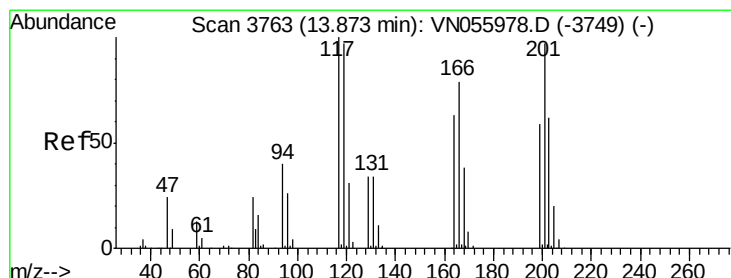
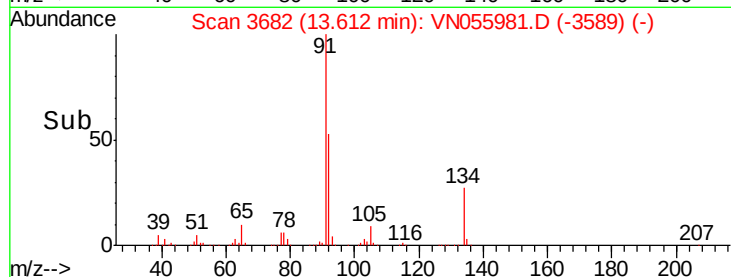
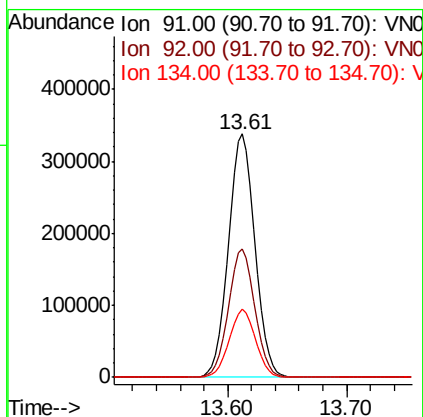
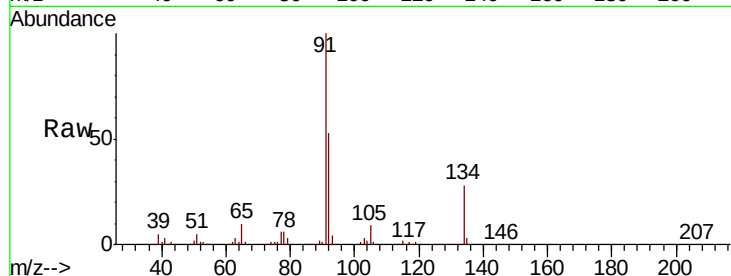
Tot Ion: 91 Resp: 519716

Ion Ratio Lower Upper

91 100

92 52.5 26.4 79.0

134 27.9 13.9 41.7



#90

Hexachloroethane

Concen: 49.359 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055981.D

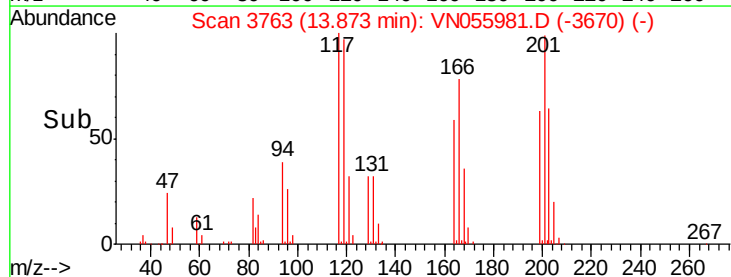
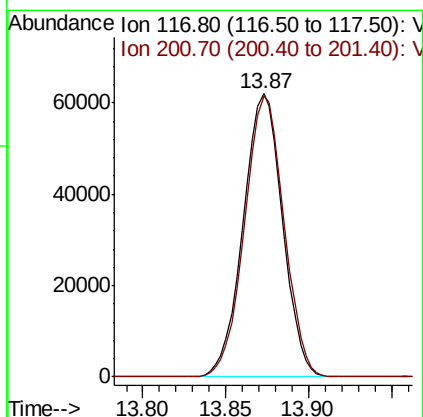
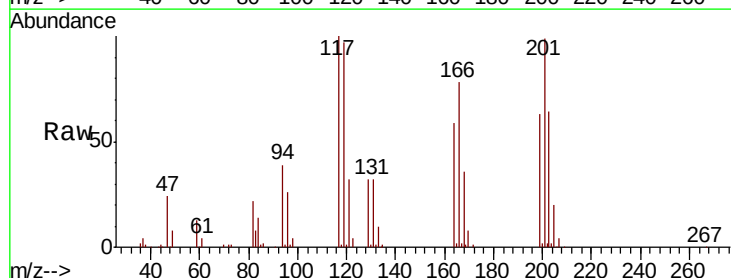
Acq: 4 Jun 2019 10:52

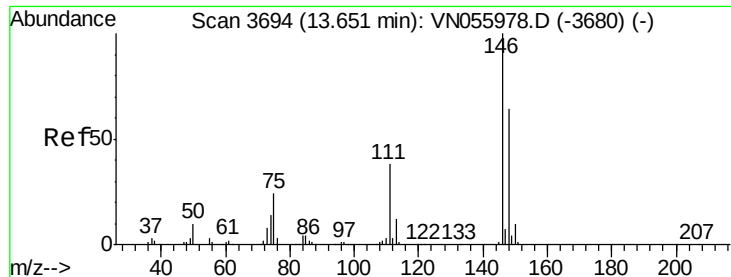
Tgt Ion: 117 Resp: 102291

Ion Ratio Lower Upper

117 100

201 99.2 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 49.197 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampled :

ICVVN060419

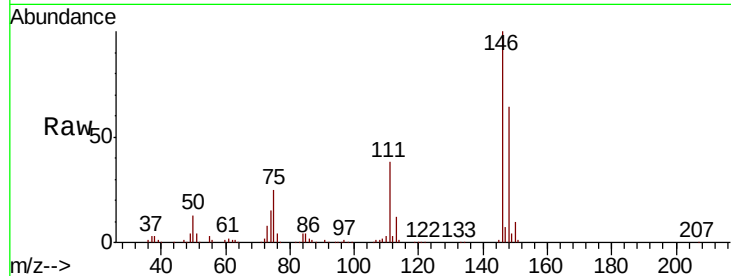
Tot Ion:146 Resp: 337314

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.5

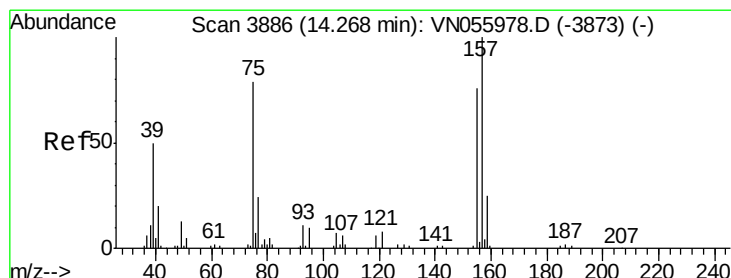
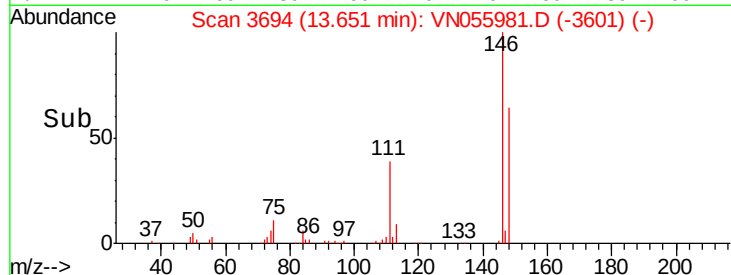
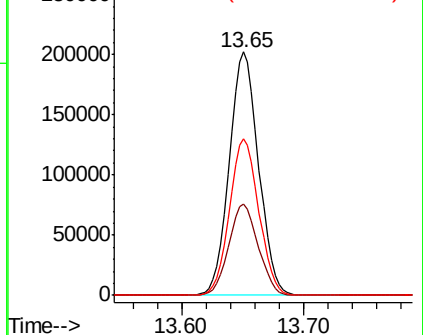
148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.515 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

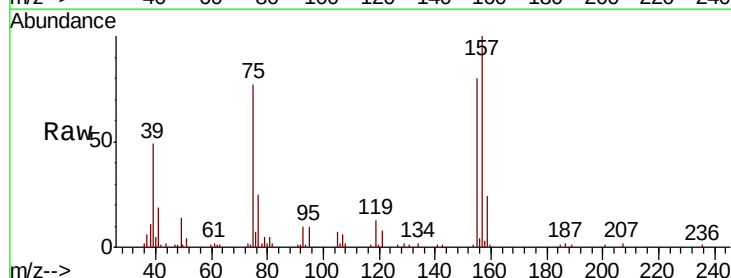
Tgt Ion: 75 Resp: 37097

Ion Ratio Lower Upper

75 100

155 101.4 50.0 150.1

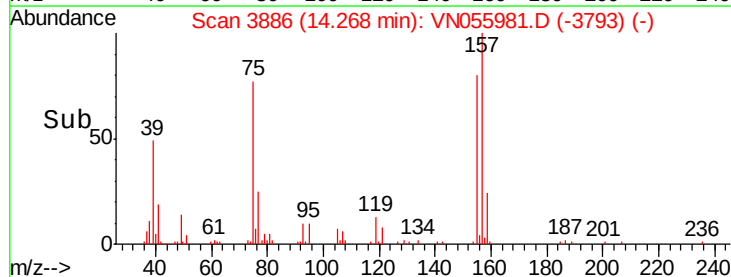
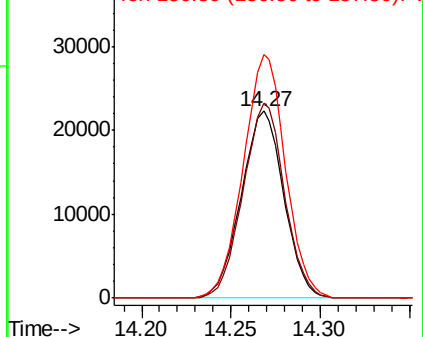
157 129.2 64.8 194.3

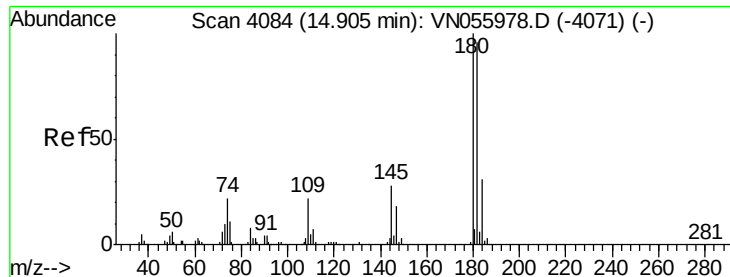


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

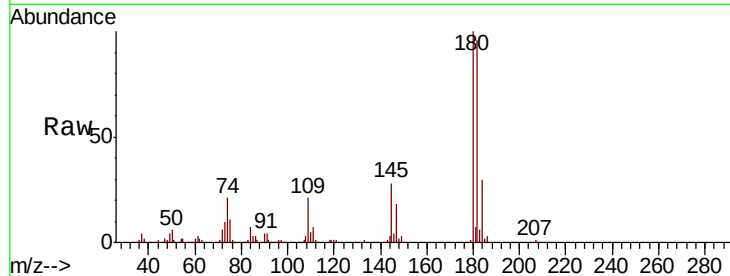




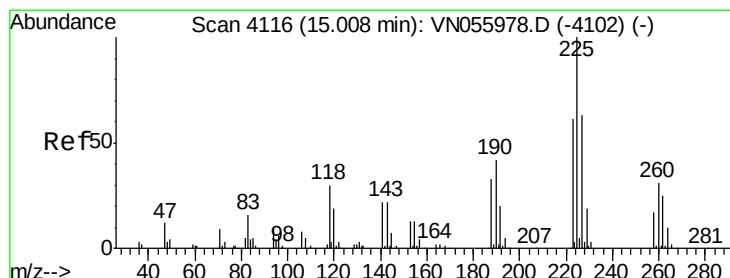
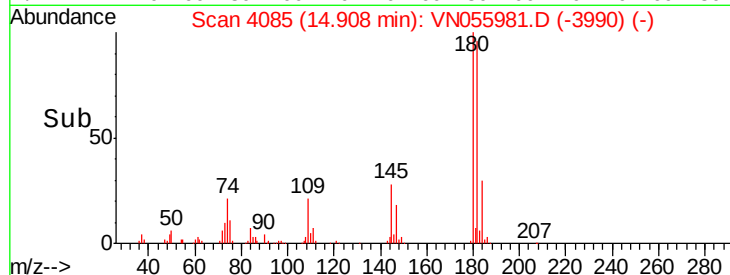
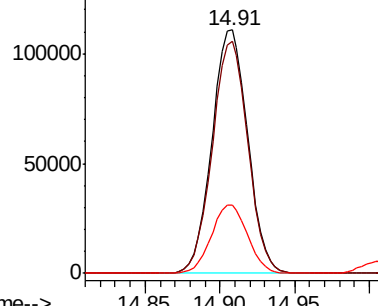
#93
 1,2,4-Trichlorobenzene
 Concen: 48.861 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN060419

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.3	144.9
145	28.4	14.0	41.9

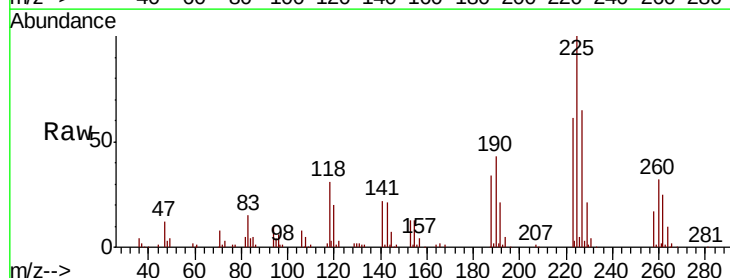


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

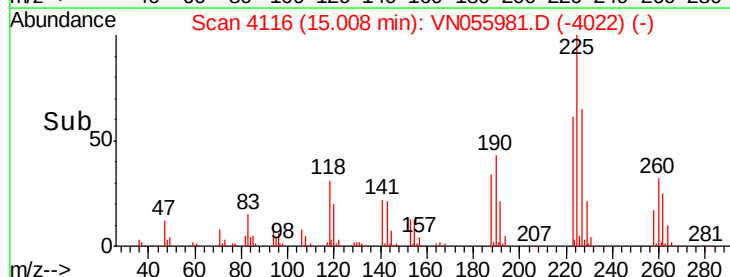
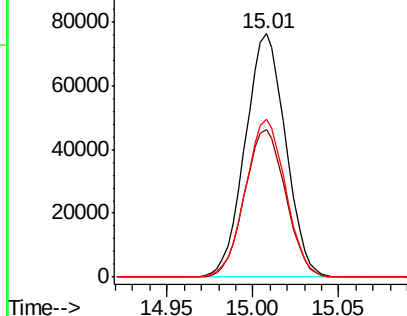


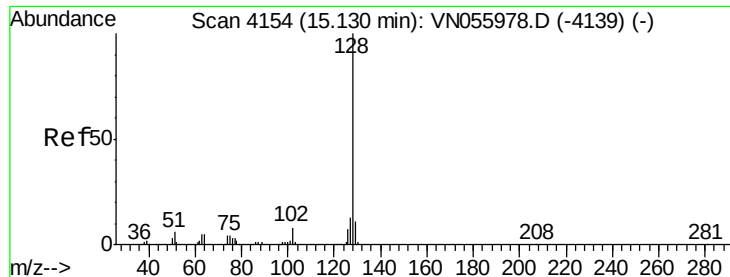
#94
 Hexachlorobutadiene
 Concen: 53.058 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055981.D
 Acq: 4 Jun 2019 10:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.9	92.7
227	64.5	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: 49.902 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN060419

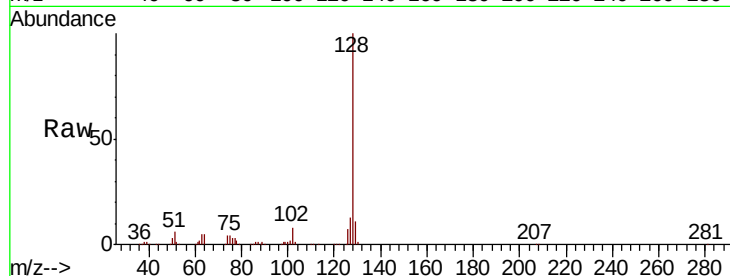
Tot Ion:128 Resp: 489094

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

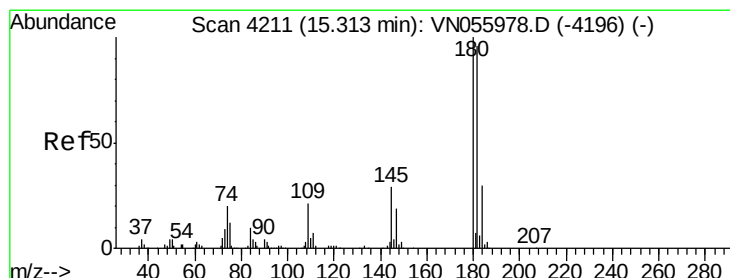
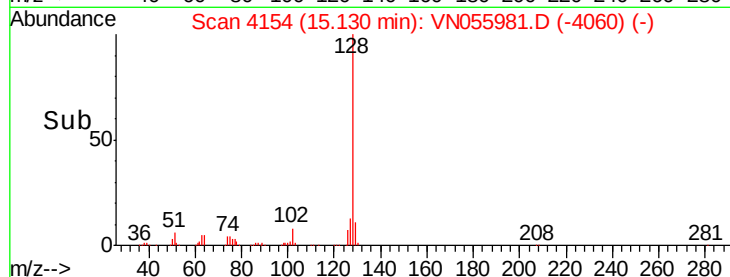
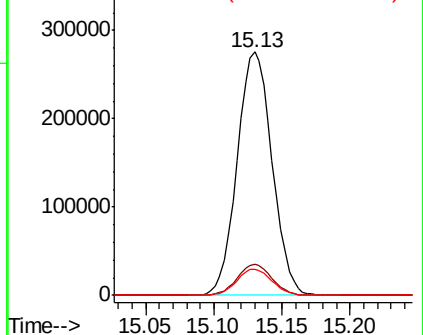
129 10.7 8.7 13.1



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: 50.502 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055981.D

Acq: 4 Jun 2019 10:52

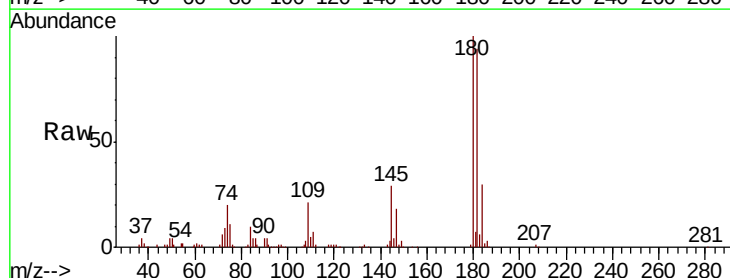
Tgt Ion:180 Resp: 194585

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.7

145 29.5 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

