

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056856.D
 Acq On : 22 Jul 2019 15:36
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Quant Time: Jul 23 02:10:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	386023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	565805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	509875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230423	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	189215	45.95	ug/l	0.00
Spiked Amount						
			Recovery	=	91.90%	
35) Dibromofluoromethane	7.59	113	169558	47.28	ug/l	0.00
Spiked Amount						
			Recovery	=	94.56%	
50) Toluene-d8	10.09	98	658855	48.02	ug/l	0.00
Spiked Amount						
			Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	225303	50.18	ug/l	0.00
Spiked Amount						
			Recovery	=	100.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	229893	48.714	ug/l	99
3) Chloromethane	2.06	50	257971	47.883	ug/l	98
4) Vinyl Chloride	2.18	62	240479	48.590	ug/l	98
5) Bromomethane	2.55	94	143514	47.673	ug/l	100
6) Chloroethane	2.69	64	129223	47.645	ug/l	97
7) Trichlorofluoromethane	3.01	101	294041	48.631	ug/l	96
8) Diethyl Ether	3.40	74	106130	47.108	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	184866	49.438	ug/l	98
10) Methyl Iodide	3.94	142	239696	45.612	ug/l	100
11) Tert butyl alcohol	4.81	59	146101	249.782	ug/l	99
12) 1,1-Dichloroethene	3.72	96	179709	47.972	ug/l	99
13) Acrolein	3.60	56	107730	221.357	ug/l	98
14) Allyl chloride	4.31	41	303182	49.228	ug/l	99
15) Acrylonitrile	4.99	53	435760	247.586	ug/l	100
16) Acetone	3.82	43	391151	263.802	ug/l	100
17) Carbon Disulfide	4.04	76	486500	47.582	ug/l	100
18) Methyl Acetate	4.32	43	233700	48.015	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	542316	49.000	ug/l	100
20) Methylene Chloride	4.54	84	205408	46.329	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	191394	48.911	ug/l	96
22) Diisopropyl ether	5.95	45	611129	49.083	ug/l	98
23) Vinyl Acetate	5.89	43	2252563	250.453	ug/l	100
24) 1,1-Dichloroethane	5.84	63	354213	49.103	ug/l	100
25) 2-Butanone	6.84	43	569343	261.232	ug/l	98
26) 2,2-Dichloropropane	6.82	77	267737	53.041	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	220904	49.242	ug/l	99
28) Bromochloromethane	7.19	49	163545	49.945	ug/l	99
29) Tetrahydrofuran	7.21	42	369928	246.871	ug/l	100
30) Chloroform	7.37	83	342620	47.378	ug/l	97
31) Cyclohexane	7.65	56	340586	48.664	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	288204	49.264	ug/l	99
36) 1,1-Dichloropropene	7.79	75	269341	51.619	ug/l	99
37) Ethyl Acetate	6.93	43	224501	53.353	ug/l	100
38) Carbon Tetrachloride	7.77	117	251007	50.533	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	346089	53.005	ug/l	99
40) Benzene	8.04	78	805595	49.704	ug/l	99
41) Methacrylonitrile	7.17	41	114077	54.603	ug/l	94
42) 1,2-Dichloroethane	8.12	62	250372	49.439	ug/l	99
43) Isopropyl Acetate	8.17	43	366065	50.606	ug/l #	91
44) Trichloroethene	8.83	130	220582	50.814	ug/l	99
45) 1,2-Dichloropropane	9.12	63	216692	49.629	ug/l	99
46) Dibromomethane	9.21	93	133006	49.353	ug/l	99
47) Bromodichloromethane	9.40	83	259166	51.136	ug/l	97
48) Methyl methacrylate	9.20	41	181865	50.258	ug/l	100
49) 1,4-Dioxane	9.20	88	76008	1070.826	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1111041	257.566	ug/l	100
52) Toluene	10.15	92	506528	51.935	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	277781	53.403	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	322343	52.564	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192796	49.804	ug/l	99
56) Ethyl methacrylate	10.43	69	291112	54.172	ug/l	98
57) 1,3-Dichloropropane	10.71	76	328704	51.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	631167	249.462	ug/l	100
59) 2-Hexanone	10.75	43	805819	269.880	ug/l	100
60) Dibromochloromethane	10.90	129	204060	52.532	ug/l	100
61) 1,2-Dibromoethane	11.00	107	199762	51.959	ug/l	99
64) Tetrachloroethene	10.63	164	220567	50.425	ug/l	98
65) Chlorobenzene	11.43	112	540555	51.016	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	199940	50.052	ug/l	100
67) Ethyl Benzene	11.51	91	964737	52.742	ug/l	100
68) m/p-Xylenes	11.62	106	724187	105.754	ug/l	99
69) o-Xylene	11.94	106	349853	52.335	ug/l	99
70) Styrene	11.96	104	592234	50.482	ug/l	100
71) Bromoform	12.13	173	145486	52.556	ug/l #	100
73) Isopropylbenzene	12.25	105	941943	54.157	ug/l	100
74) N-amyl acetate	12.07	43	318917	47.139	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	255940	51.302	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	321295	67.282	ug/l #	100
77) Bromobenzene	12.52	156	242938	48.335	ug/l	99
78) n-propylbenzene	12.59	91	1054722	49.799	ug/l	100
79) 2-Chlorotoluene	12.67	91	621921	53.632	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	792304	53.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	79316	53.197	ug/l	97
82) 4-Chlorotoluene	12.77	91	621370	49.312	ug/l	100
83) tert-Butylbenzene	12.99	119	684415	53.640	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	787971	49.361	ug/l	100
85) sec-Butylbenzene	13.17	105	911836	48.607	ug/l	99
86) p-Isopropyltoluene	13.29	119	833313	49.863	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399584	49.596	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	390390	49.878	ug/l	100
89) n-Butylbenzene	13.61	91	686535	53.431	ug/l	100
90) Hexachloroethane	13.87	117	137294	47.055	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	393393	48.580	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41296	46.838	ug/l	98

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QLast Update : Tue Jul 23 01:46:34 2019
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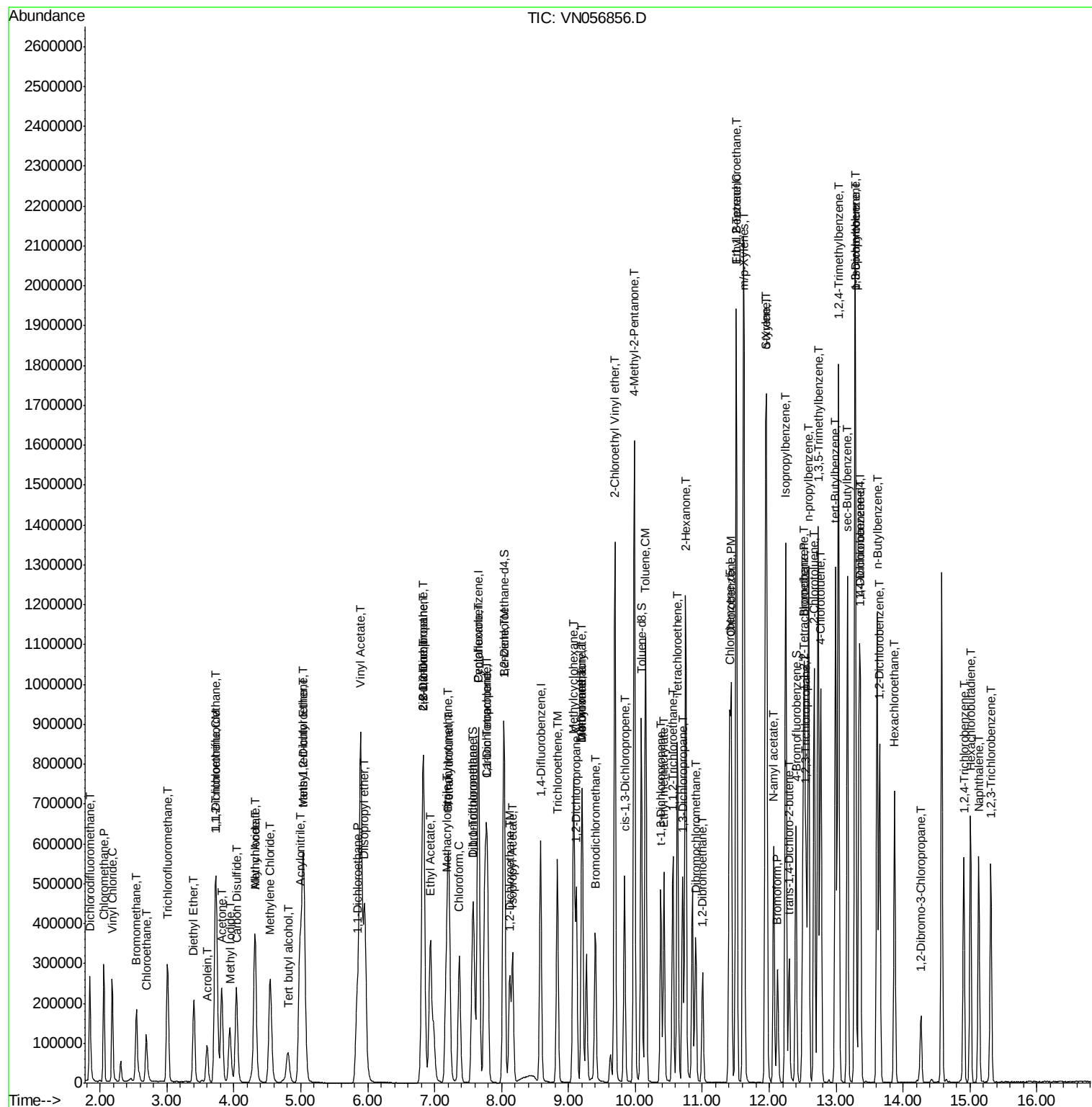
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	197966	45.856	ug/l	100
94) Hexachlorobutadiene	15.01	225	146267	54.388	ug/l	99
95) Naphthalene	15.13	128	504695	45.371	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	210143	47.418	ug/l	100

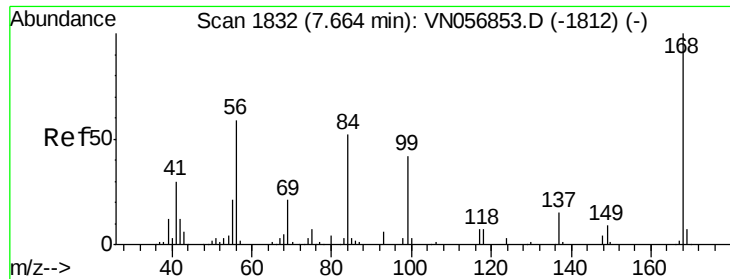
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

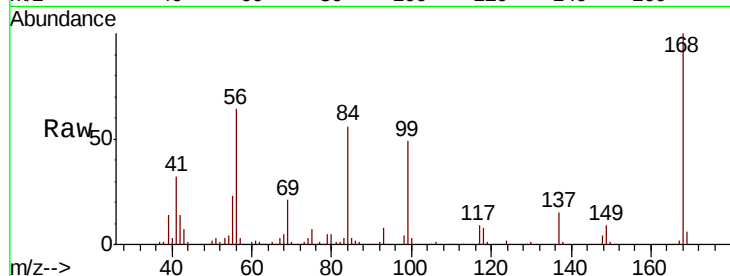
ICVVN072219

Tot Ion:168 Resp: 386023

Ion Ratio Lower Upper

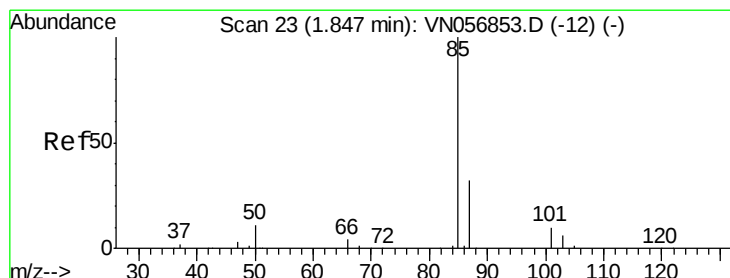
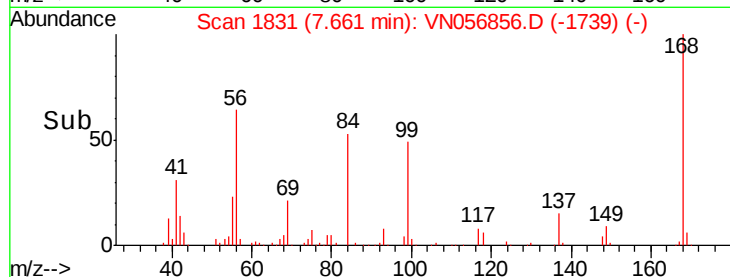
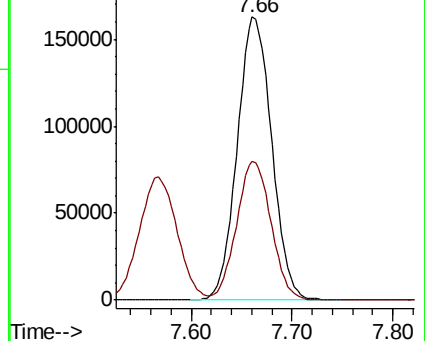
168 100

99 49.0 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.714 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056856.D

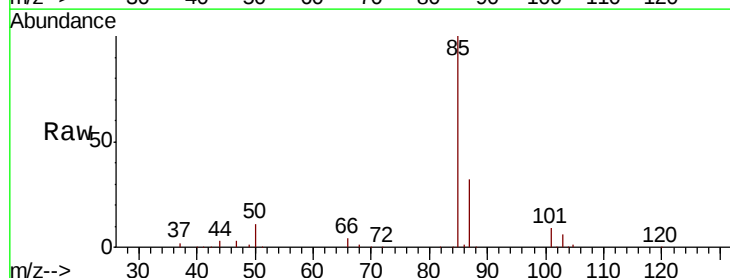
Acq: 22 Jul 2019 15:36

Tgt Ion: 85 Resp: 229893

Ion Ratio Lower Upper

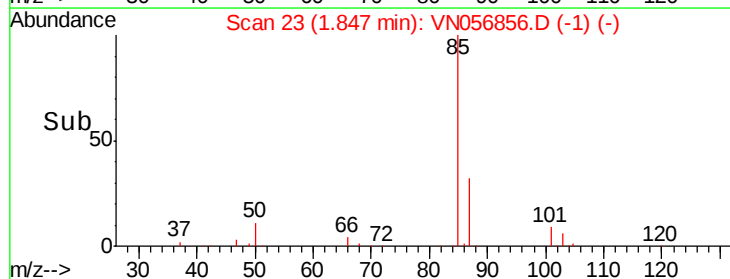
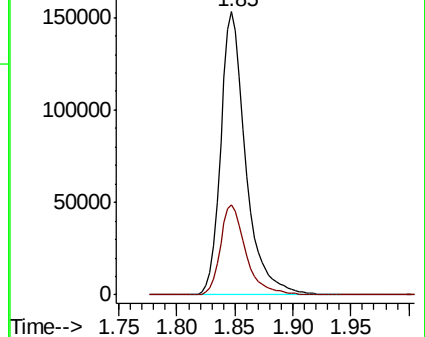
85 100

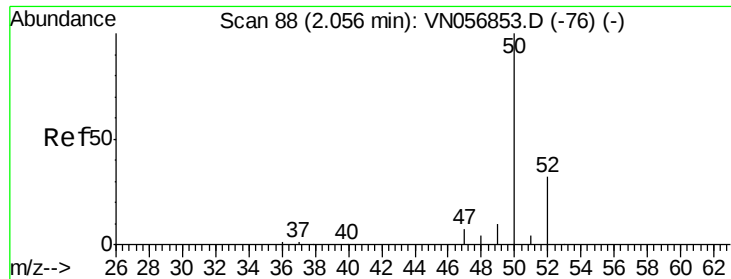
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.883 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

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ClientSampleId :

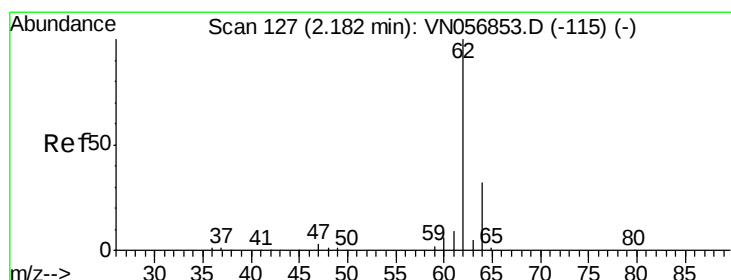
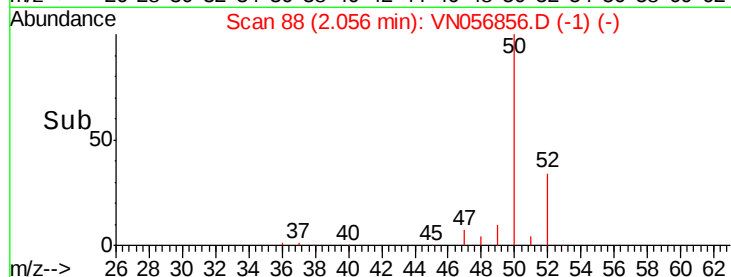
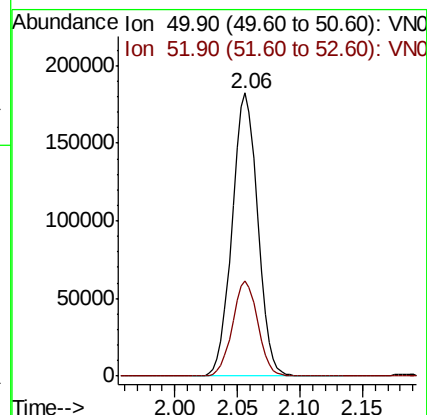
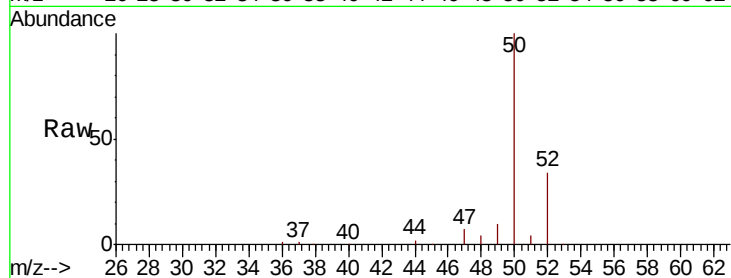
ICVVN072219

Tot Ion: 50 Resp: 257971

Ion Ratio Lower Upper

50 100

52 33.7 25.9 38.9



#4

Vinyl Chloride

Concen: 48.590 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056856.D

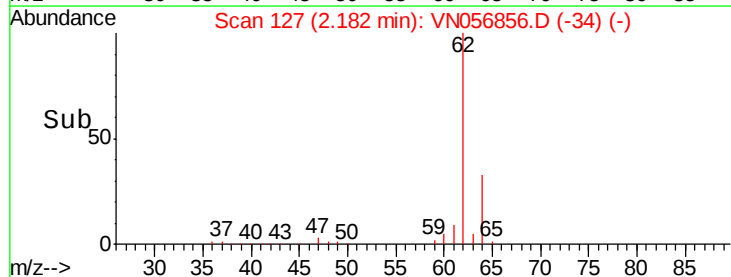
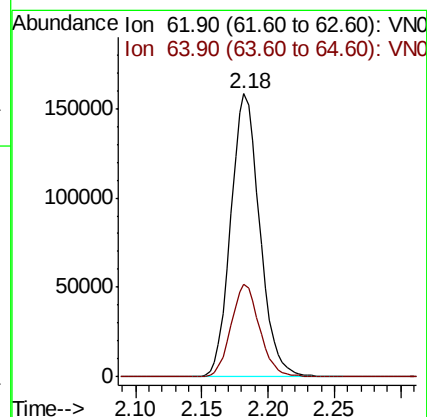
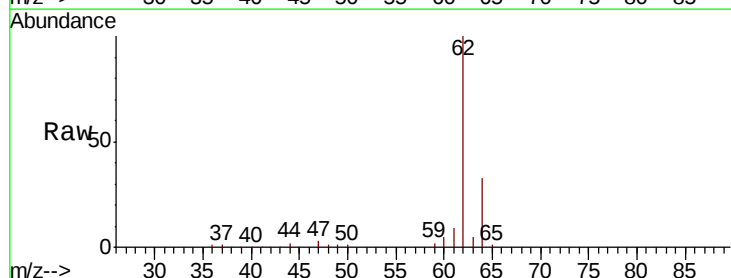
Acq: 22 Jul 2019 15:36

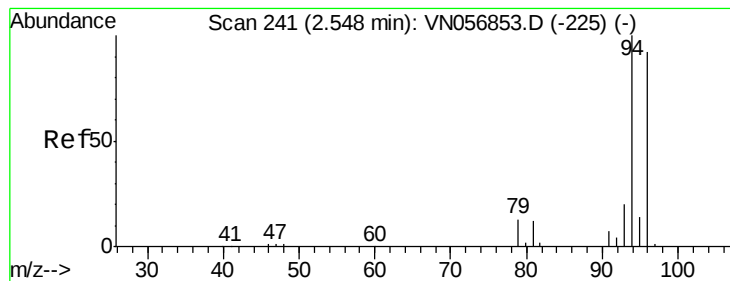
Tgt Ion: 62 Resp: 240479

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2





#5

Bromomethane

Concen: 47.673 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

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ClientSampleId :

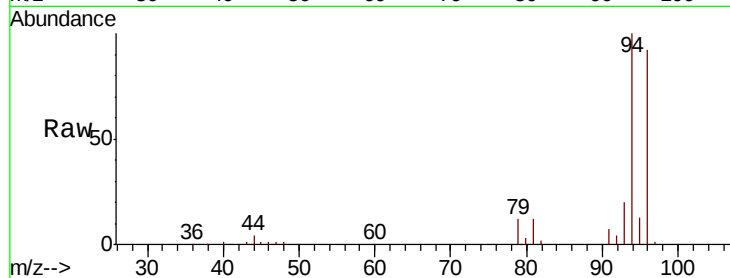
ICVVN072219

Tot Ion: 94 Resp: 143514

Ion Ratio Lower Upper

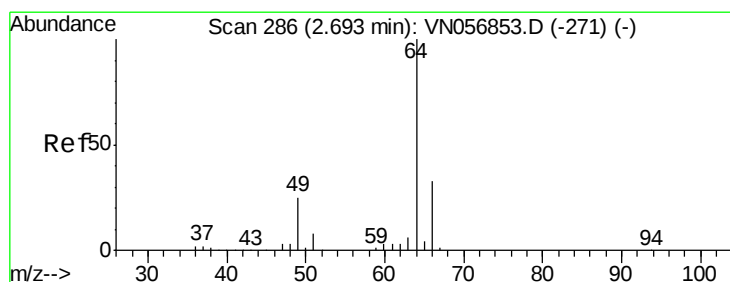
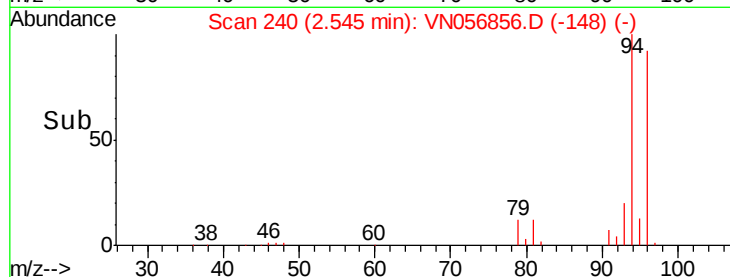
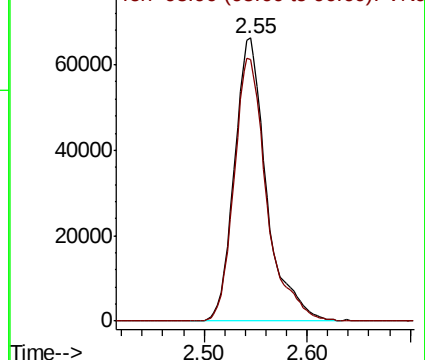
94 100

96 92.2 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.645 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056856.D

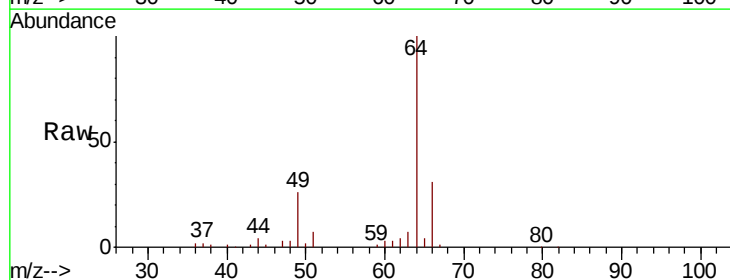
Acq: 22 Jul 2019 15:36

Tgt Ion: 64 Resp: 129223

Ion Ratio Lower Upper

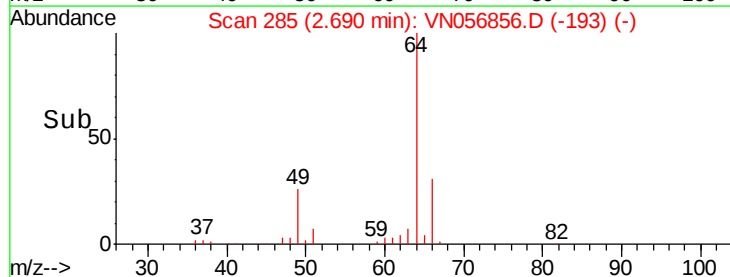
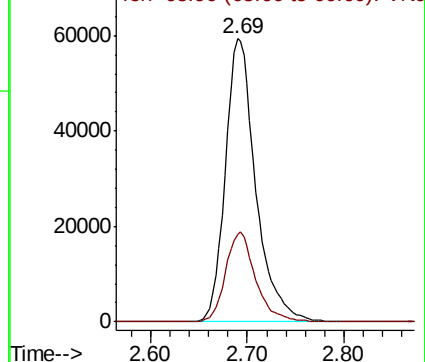
64 100

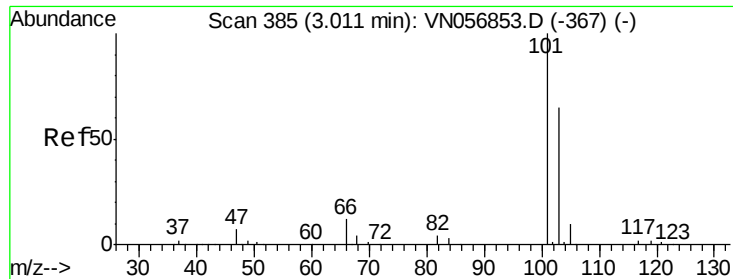
66 31.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



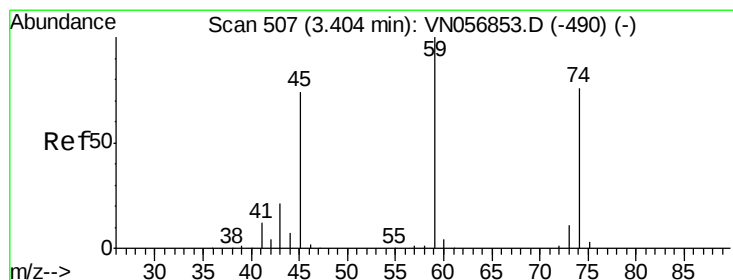
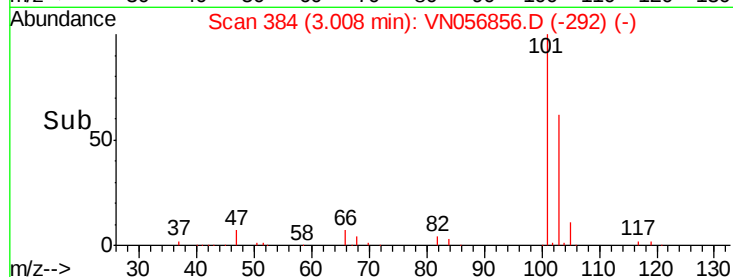
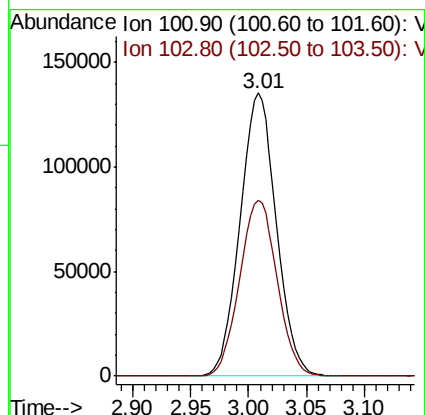
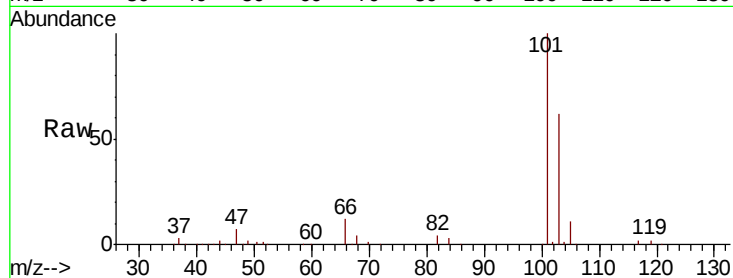


#7

Trichlorofluoromethane
Concen: 48.631 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056856.D
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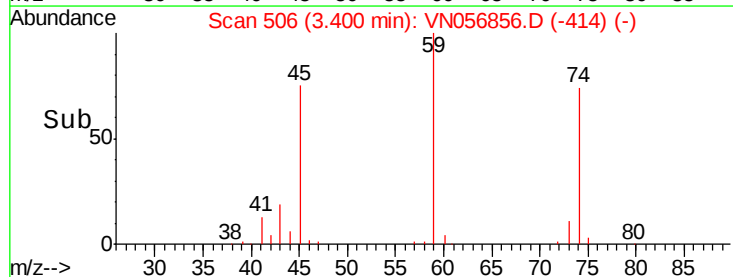
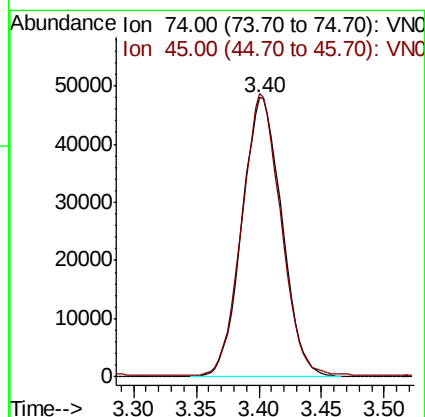
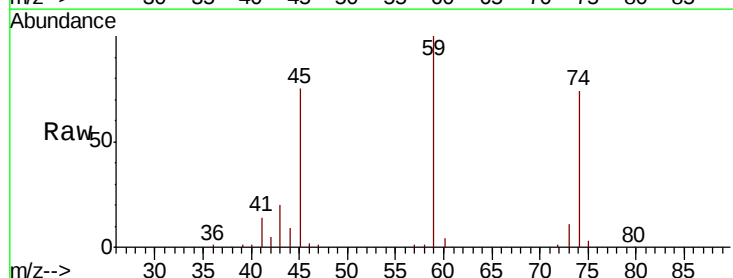
Tot Ion:101 Resp: 294041
Ion Ratio Lower Upper
101 100
103 62.2 52.3 78.5

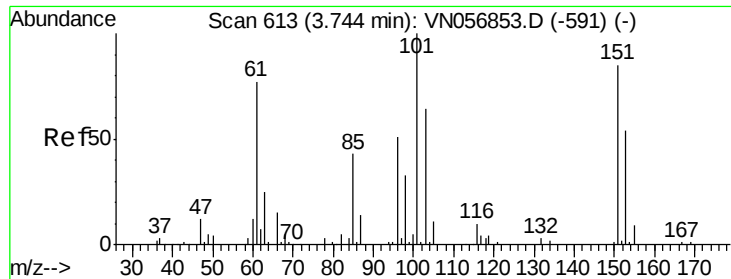


#8

Diethyl Ether
Concen: 47.108 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 74 Resp: 106130
Ion Ratio Lower Upper
74 100
45 98.6 49.2 147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.438 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

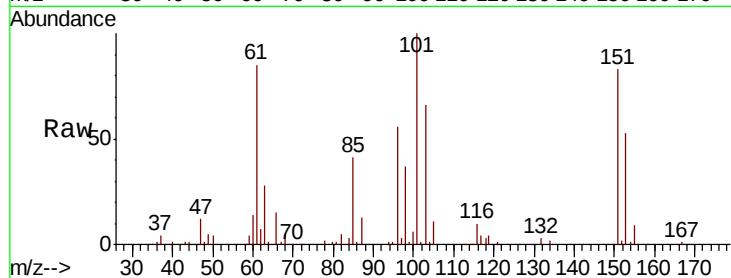
Tot Ion:101 Resp: 184866

Ion Ratio Lower Upper

101 100

85 41.0 33.7 50.5

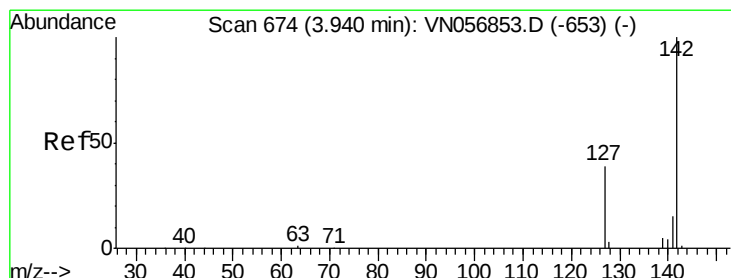
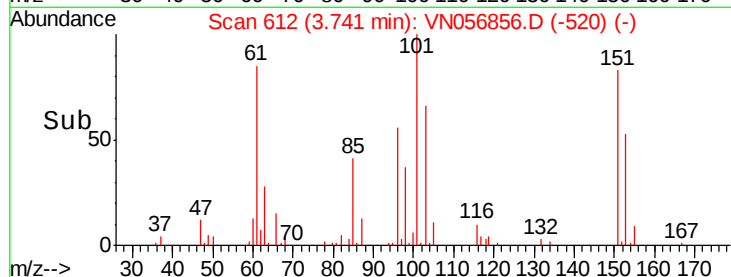
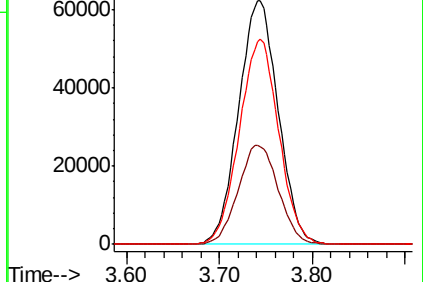
151 83.8 68.1 102.1



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: 45.612 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

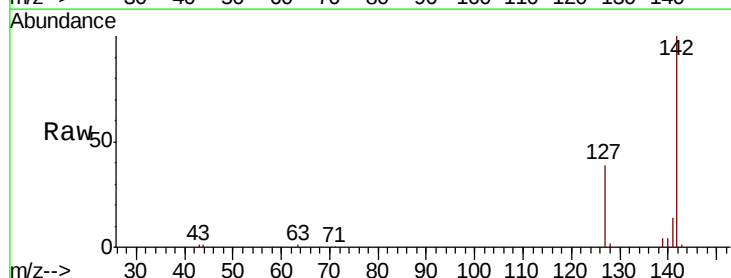
Tgt Ion:142 Resp: 239696

Ion Ratio Lower Upper

142 100

127 39.0 31.2 46.8

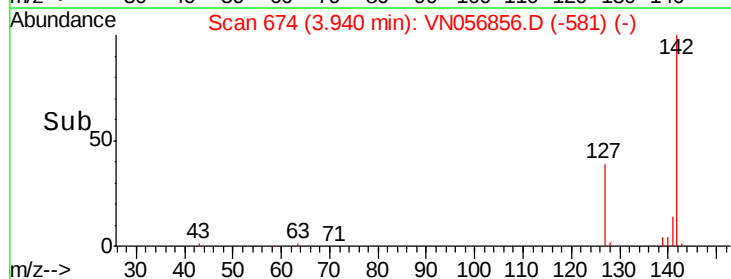
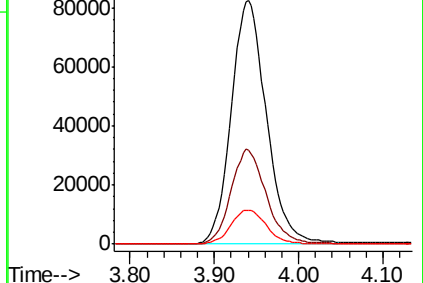
141 14.1 11.4 17.2

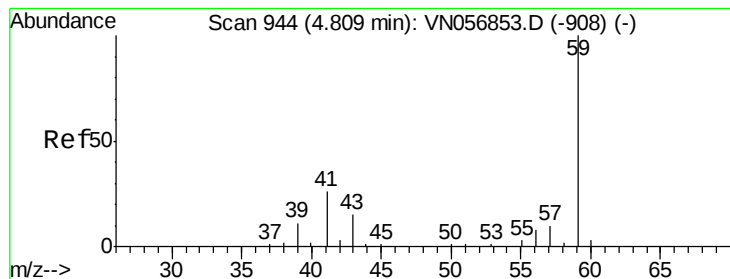


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 249.782 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

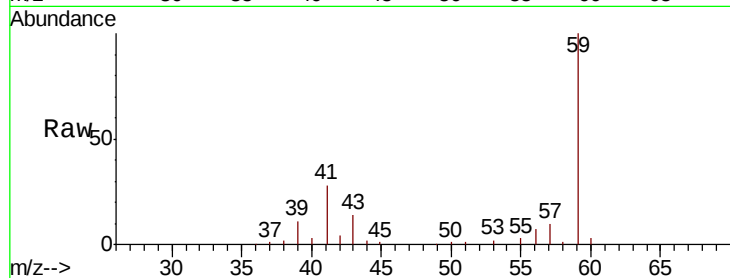
ICVVN072219

Tot Ion: 59 Resp: 146101

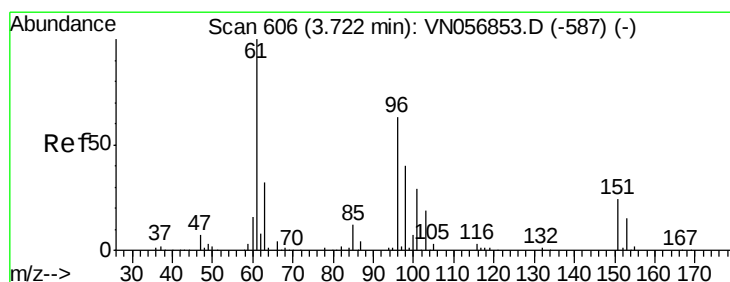
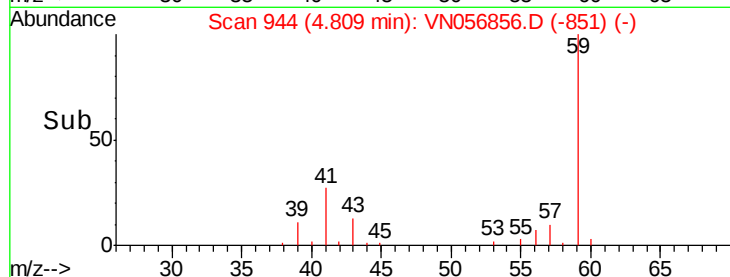
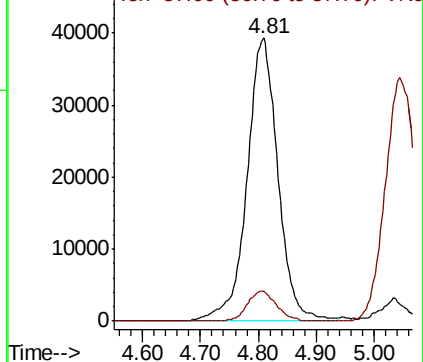
Ion Ratio Lower Upper

59 100

57 9.9 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VNO
Ion 57.00 (56.70 to 57.70): VNO



#12

1,1-Dichloroethene

Concen: 47.972 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

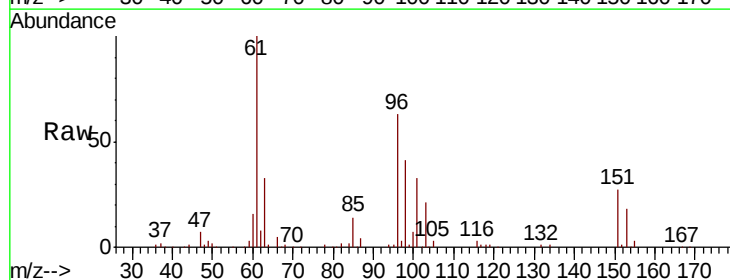
Tgt Ion: 96 Resp: 179709

Ion Ratio Lower Upper

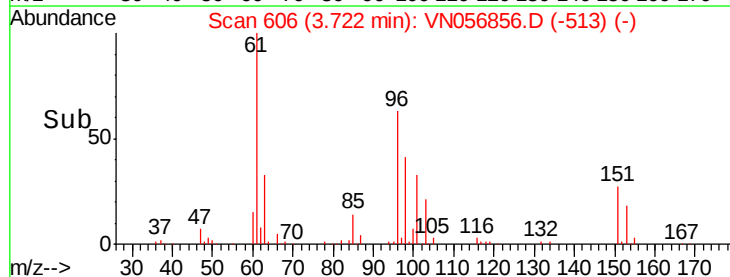
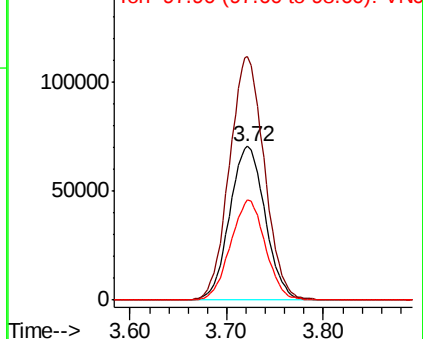
96 100

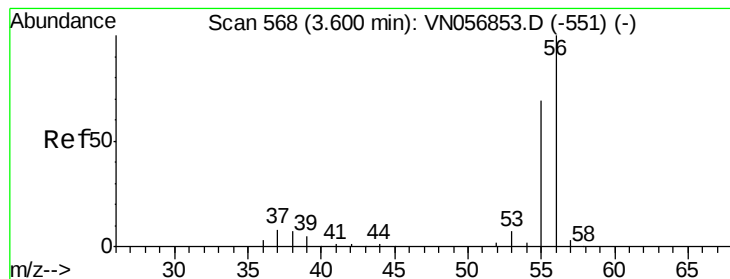
61 158.4 126.3 189.5

98 64.9 51.0 76.4



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





#13

Acrolein

Concen: 221.357 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

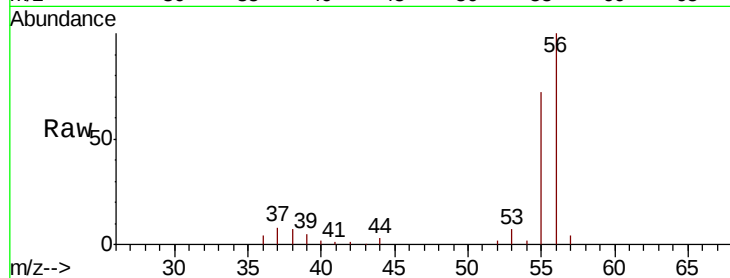
ICVVN072219

Tot Ion: 56 Resp: 107730

Ion Ratio Lower Upper

56 100

55 71.6 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

40000

30000

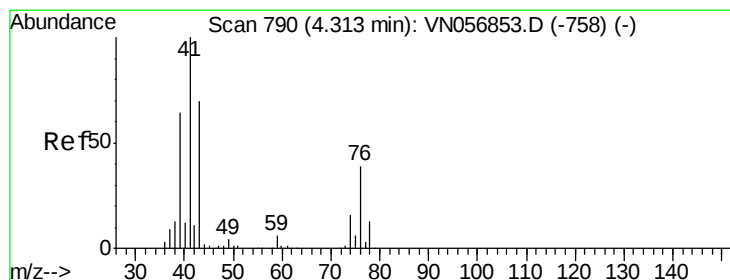
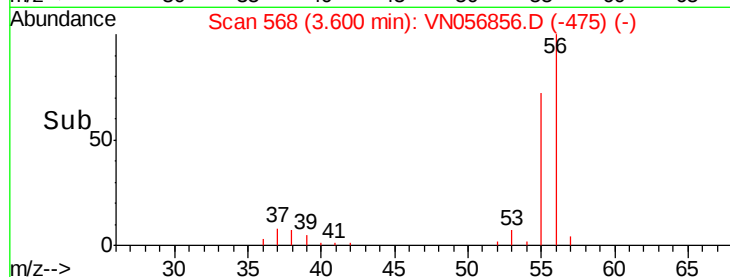
20000

10000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 49.228 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

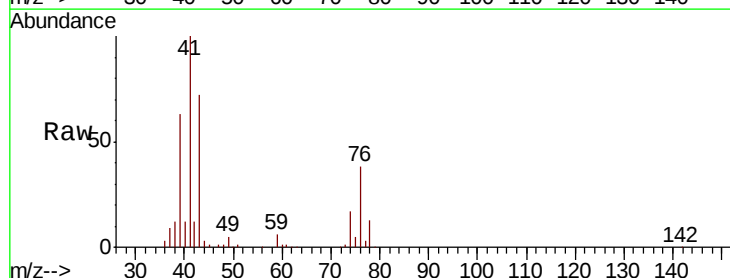
Tgt Ion: 41 Resp: 303182

Ion Ratio Lower Upper

41 100

39 59.0 47.8 71.6

76 34.1 27.9 41.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

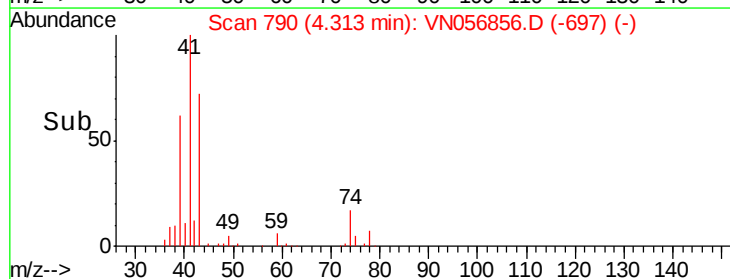
100000

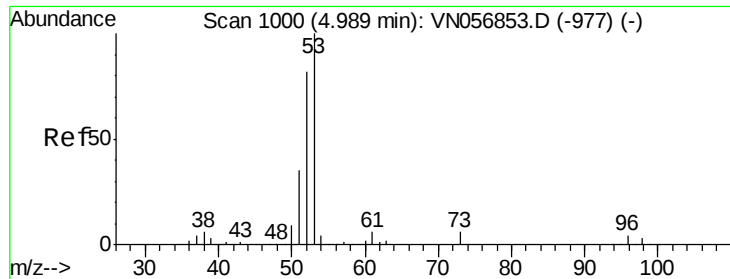
50000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 247.586 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

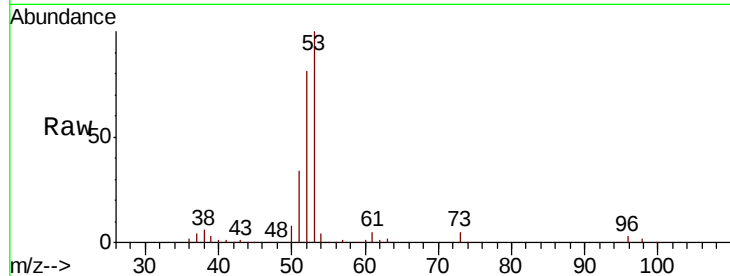
Tot Ion: 53 Resp: 435760

Ion Ratio Lower Upper

53 100

52 81.8 65.0 97.6

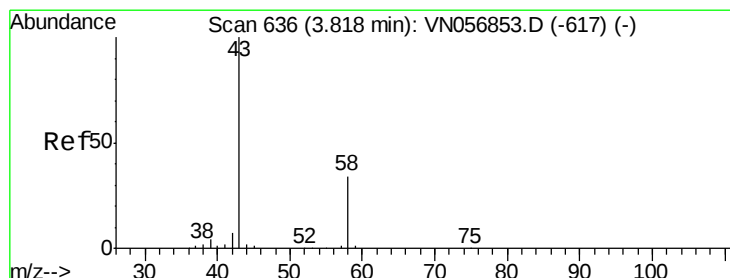
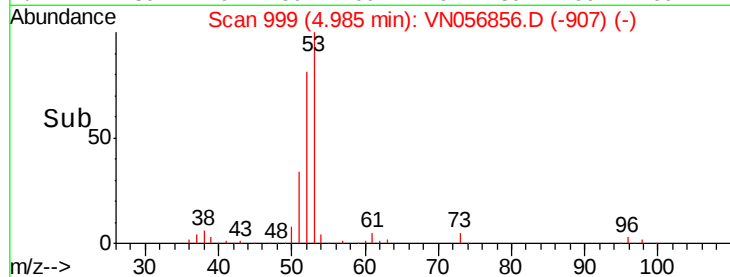
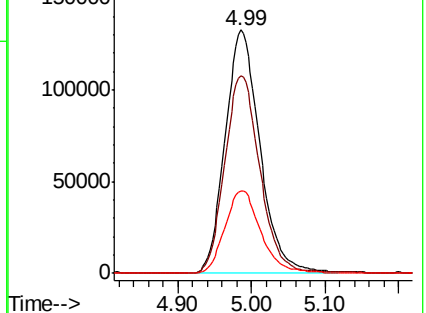
51 35.1 28.2 42.2



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: 263.802 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056856.D

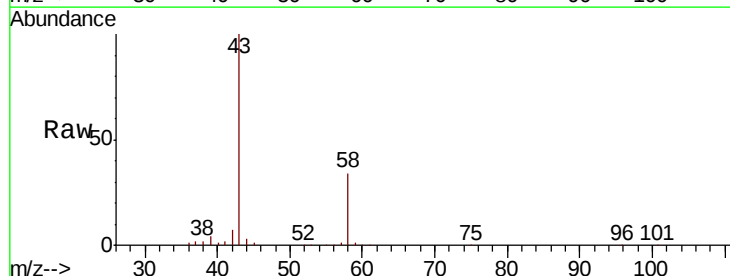
Acq: 22 Jul 2019 15:36

Tgt Ion: 43 Resp: 391151

Ion Ratio Lower Upper

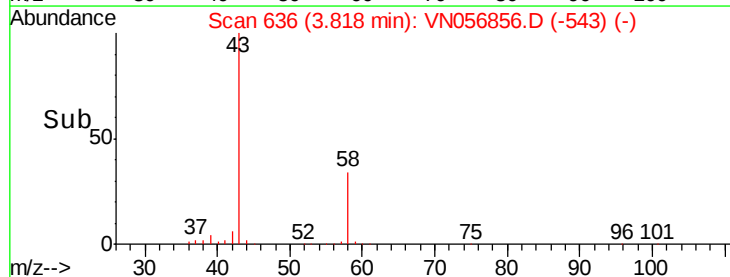
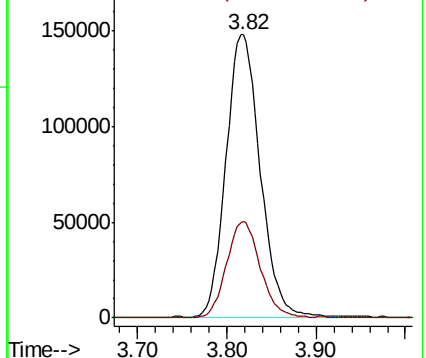
43 100

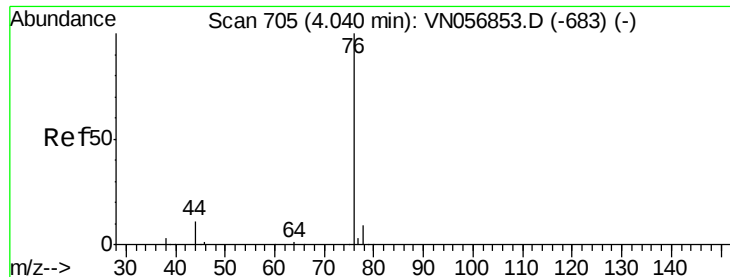
58 34.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

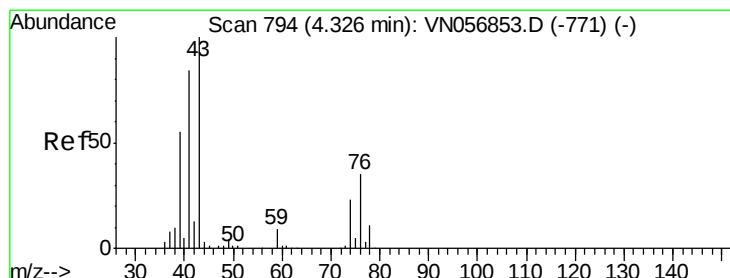
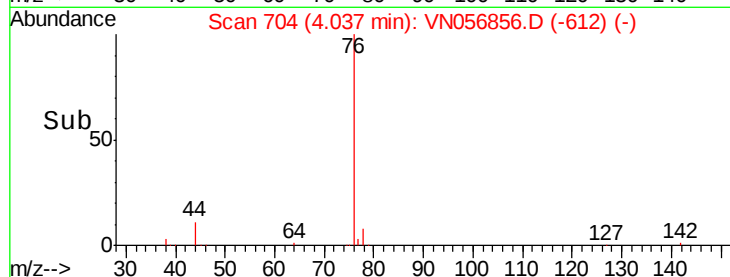
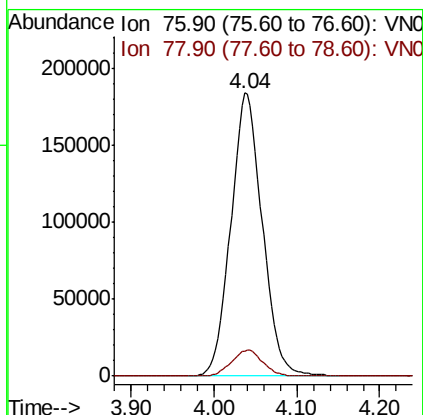
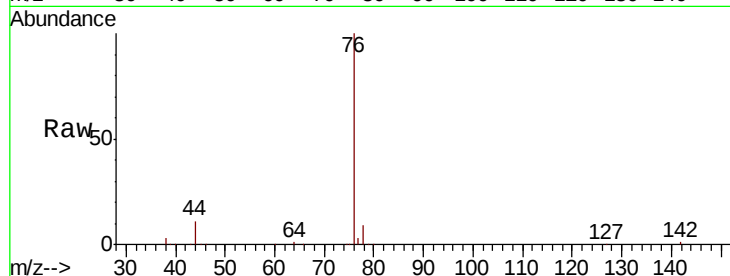




#17
Carbon Disulfide
Concen: 47.582 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

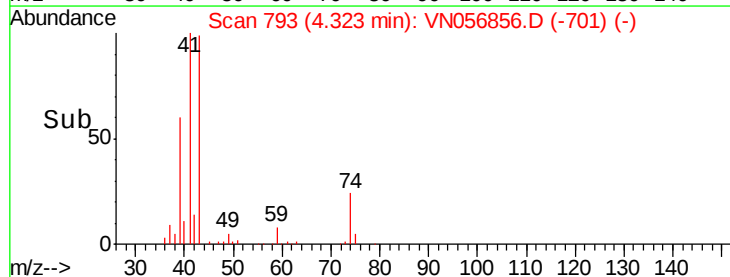
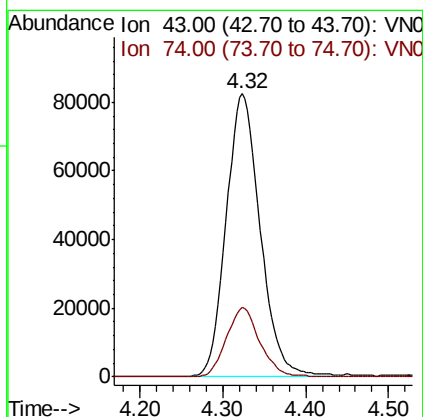
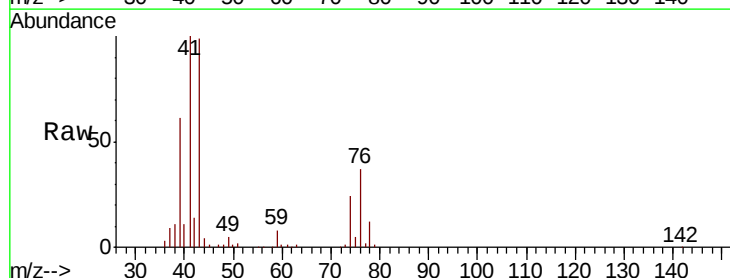
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

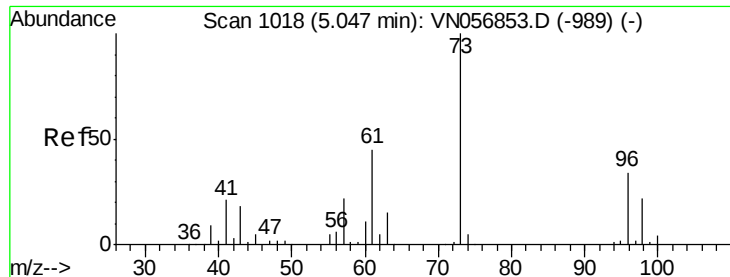
Tot Ion: 76 Resp: 486500
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 48.015 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 43 Resp: 233700
Ion Ratio Lower Upper
43 100
74 24.3 19.0 28.4

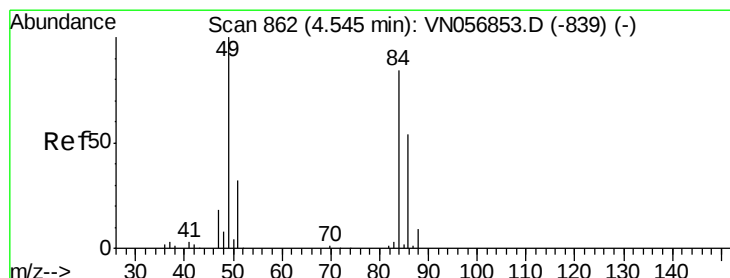
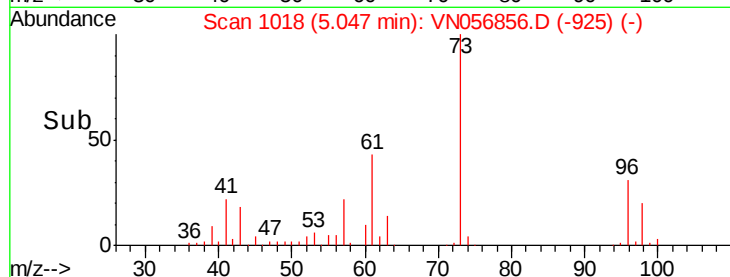
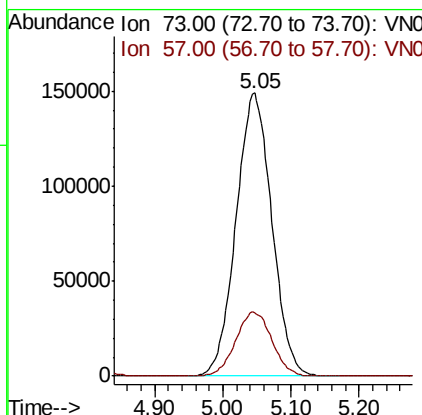
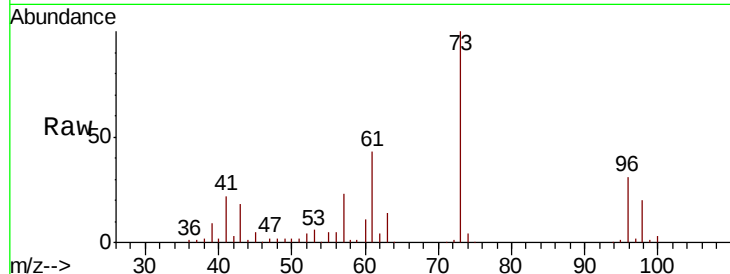




#19
Methyl tert-butyl Ether
Concen: 49.000 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

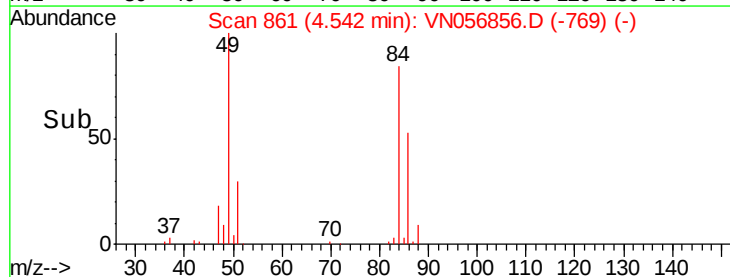
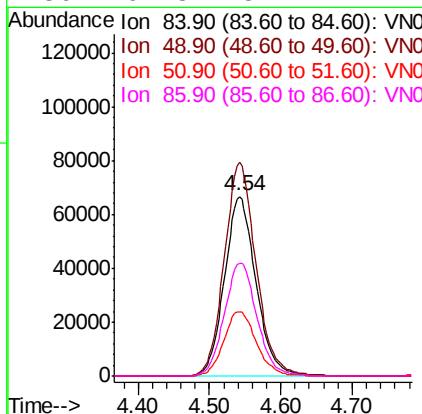
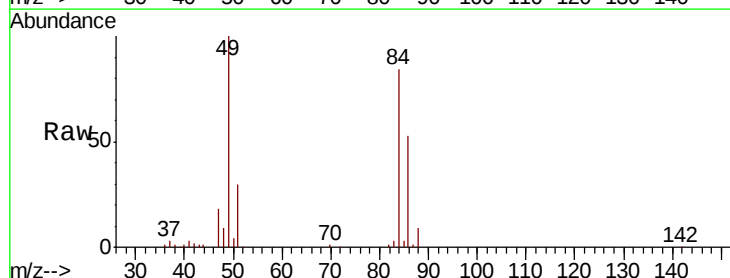
Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

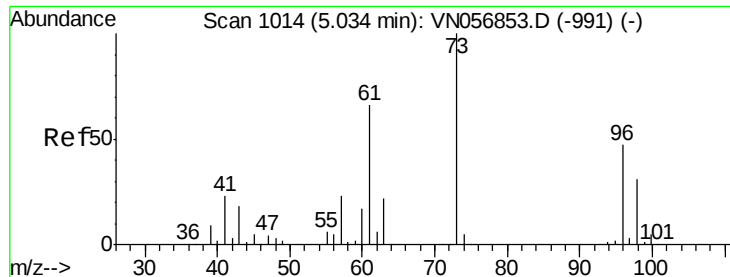
Tot Ion: 73 Resp: 542316
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0



#20
Methylene Chloride
Concen: 46.329 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 84 Resp: 205408
Ion Ratio Lower Upper
84 100
49 118.9 94.9 142.3
51 35.9 29.9 44.9
86 62.8 51.4 77.2

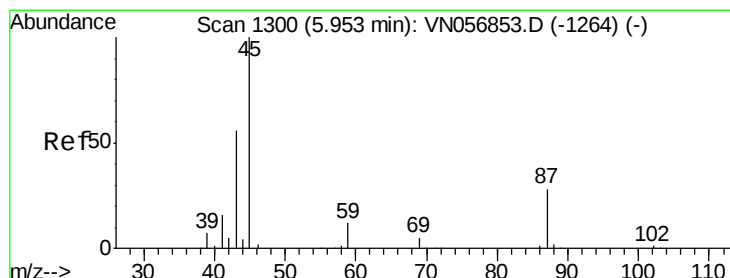
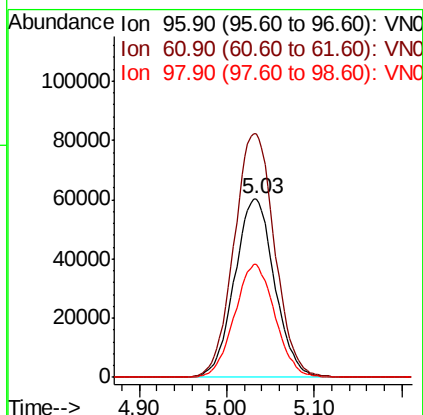
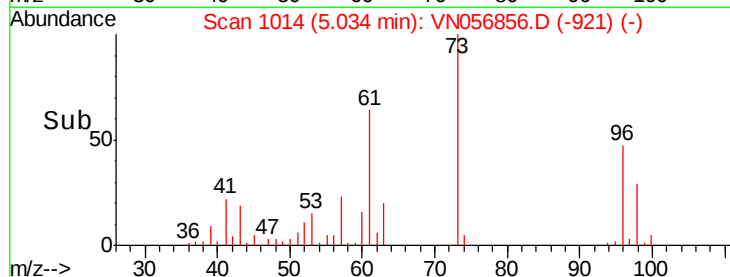
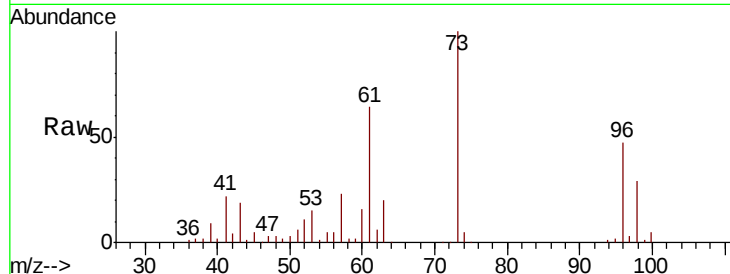




#21
trans-1,2-Dichloroethene
Concen: 48.911 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

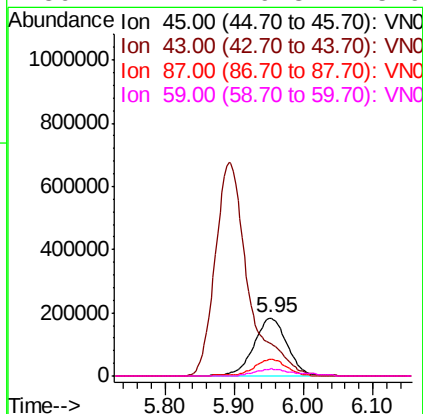
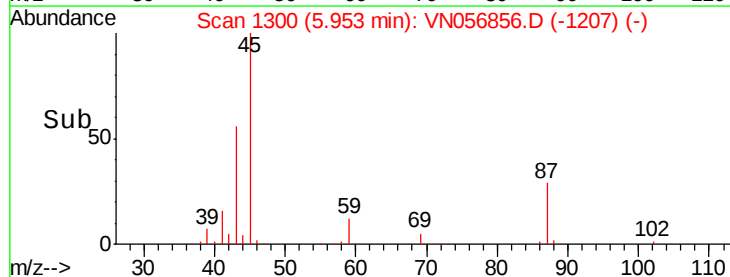
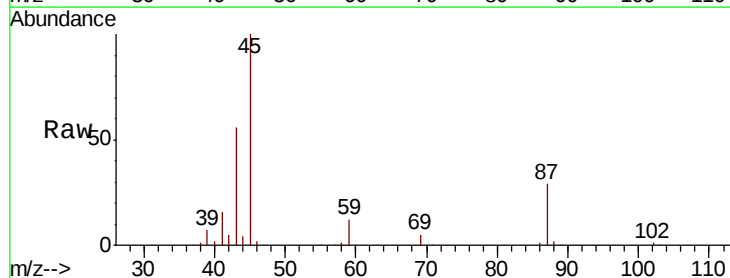
Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

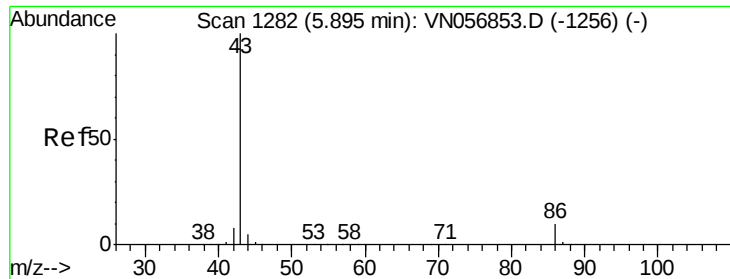
Tot Ion: 96 Resp: 191394
Ion Ratio Lower Upper
96 100
61 136.5 112.8 169.2
98 63.1 53.3 79.9



#22
Diisopropyl ether
Concen: 49.083 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 45 Resp: 611129
Ion Ratio Lower Upper
45 100
43 54.5 45.5 68.3
87 28.6 22.7 34.1
59 12.1 9.3 13.9

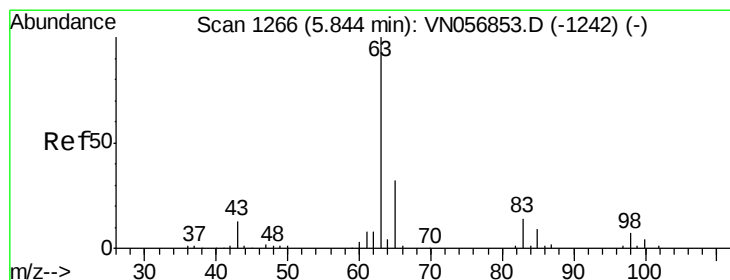
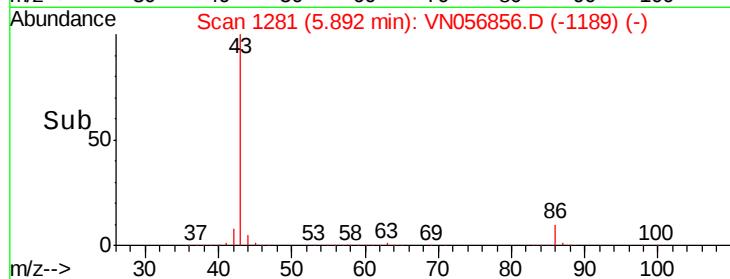
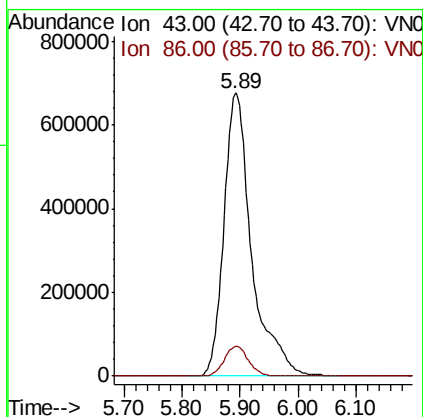
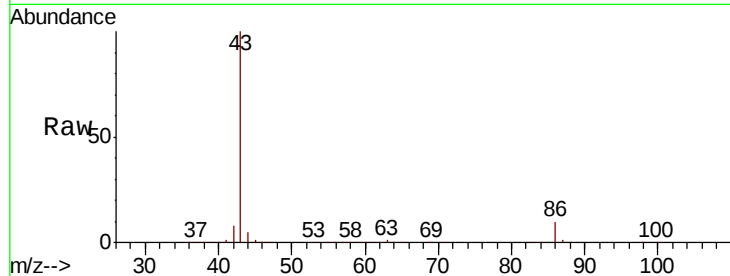




#23
 Vinyl Acetate
 Concen: 250.453 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

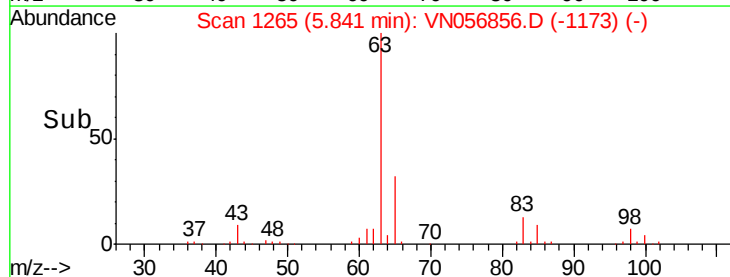
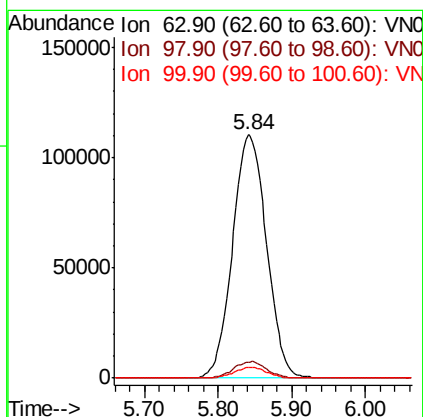
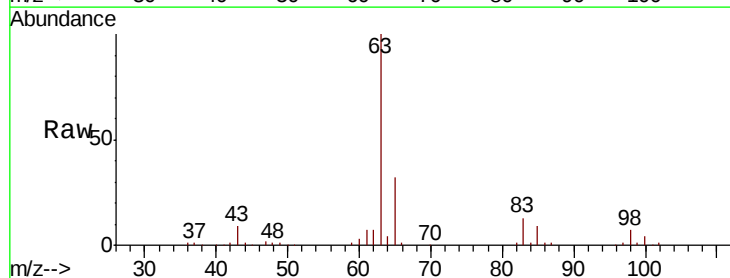
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

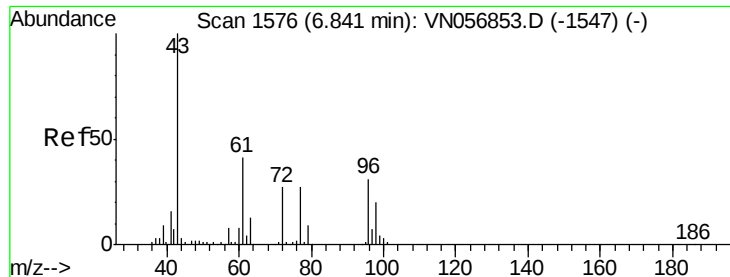
Tot Ion: 43 Resp: 2252563
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 49.103 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 63 Resp: 354213
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.4 2.2 6.6

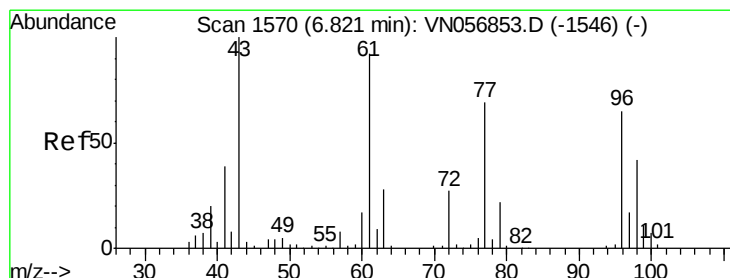
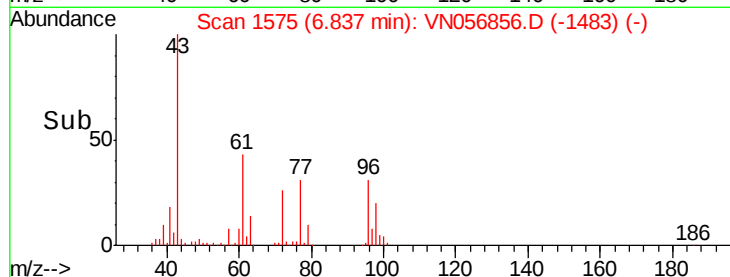
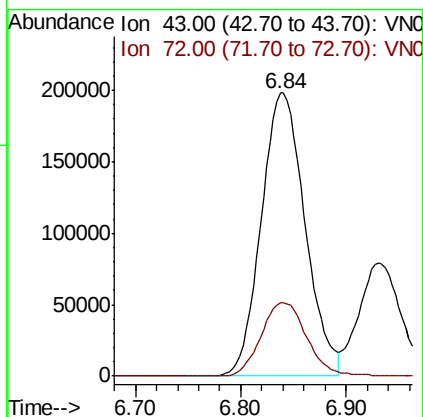
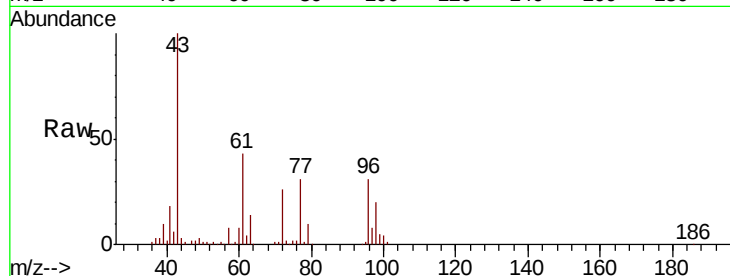




#25
2-Butanone
Concen: 261.232 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

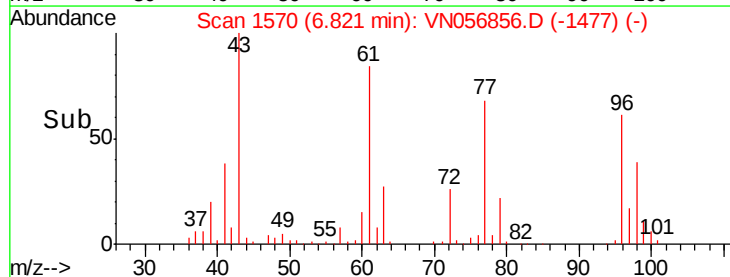
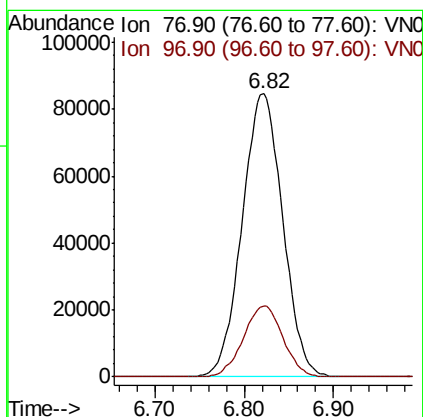
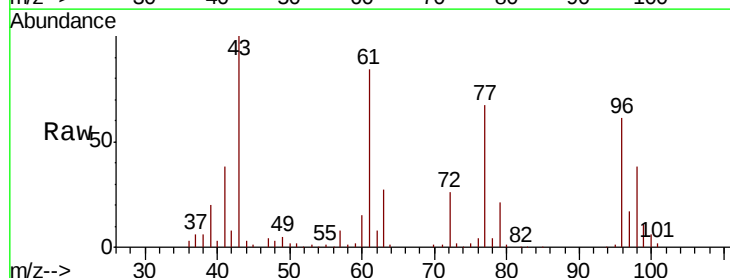
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

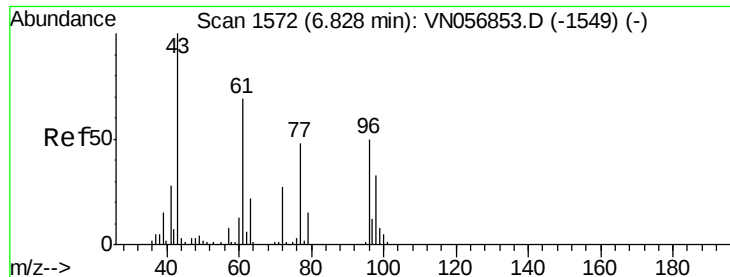
Tot Ion: 43 Resp: 569343
Ion Ratio Lower Upper
43 100
72 26.1 21.5 32.3



#26
2,2-Dichloropropane
Concen: 53.041 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 77 Resp: 267737
Ion Ratio Lower Upper
77 100
97 24.5 12.4 37.2

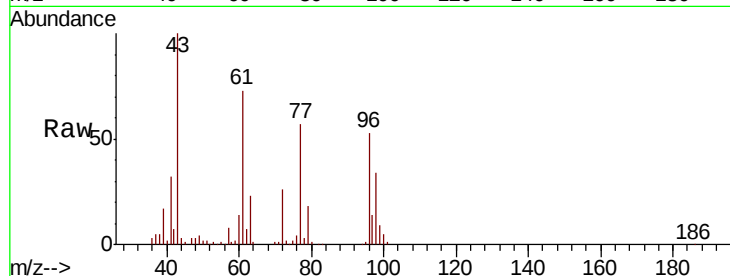




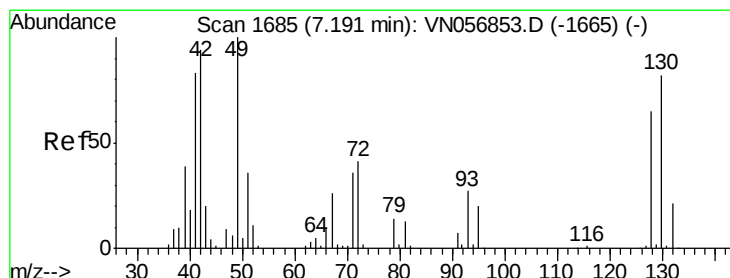
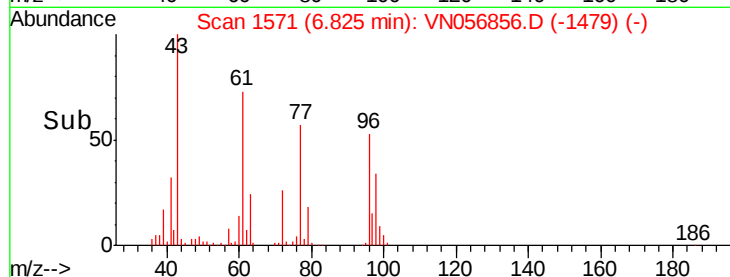
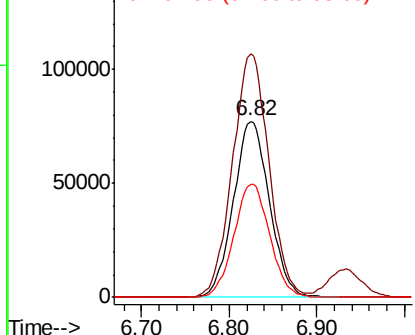
#27
 cis-1,2-Dichloroethene
 Concen: 49.242 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion: 96 Resp: 220904
 Ion Ratio Lower Upper
 96 100
 61 140.0 0.0 281.6
 98 64.1 0.0 132.0

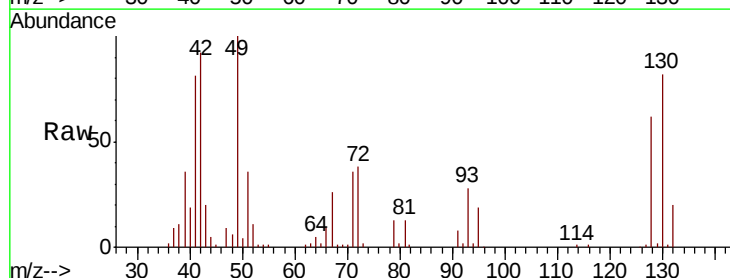


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

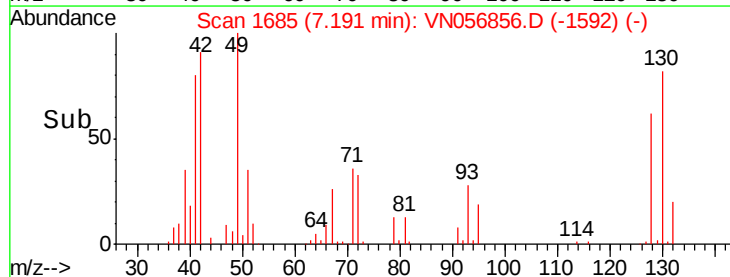
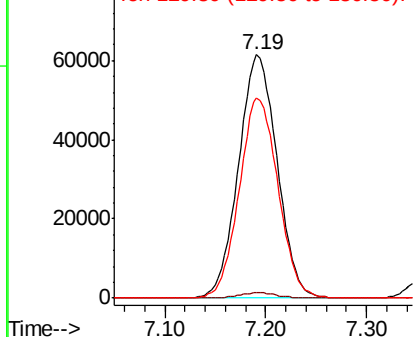


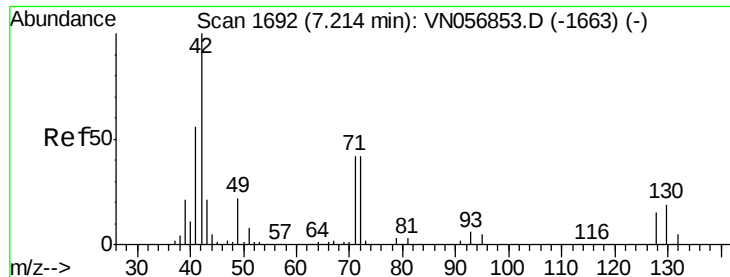
#28
 Bromochloromethane
 Concen: 49.945 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 49 Resp: 163545
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.8
 130 82.3 65.0 97.6



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: 246.871 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

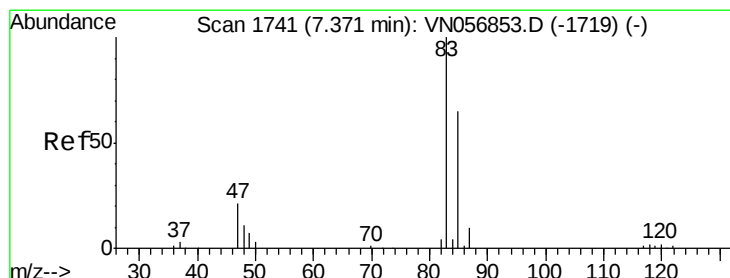
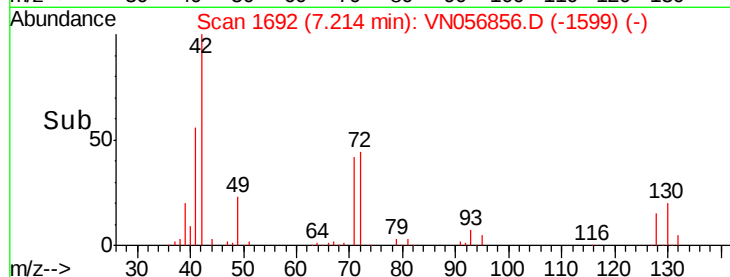
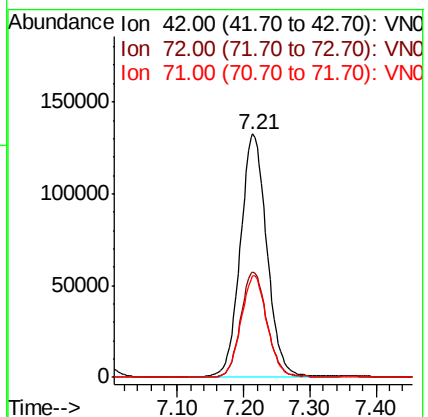
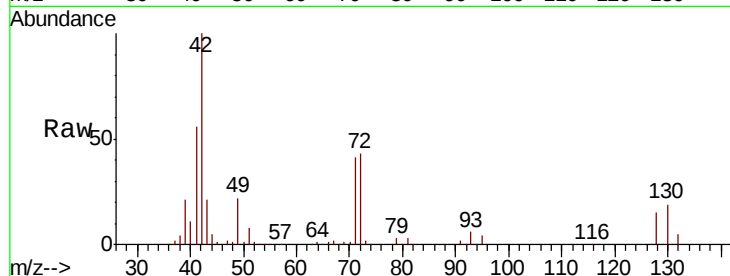
Tot Ion: 42 Resp: 369928

Ion Ratio Lower Upper

42 100

72 42.7 34.2 51.2

71 40.6 32.7 49.1



#30

Chloroform

Concen: 47.378 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN056856.D

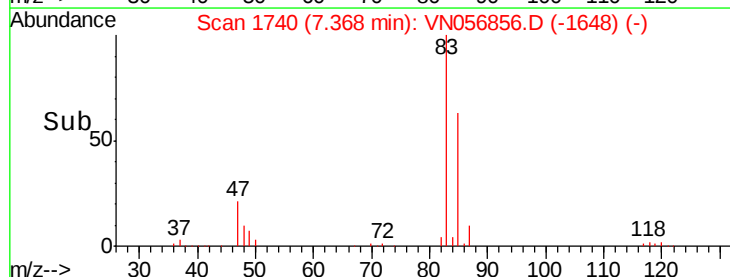
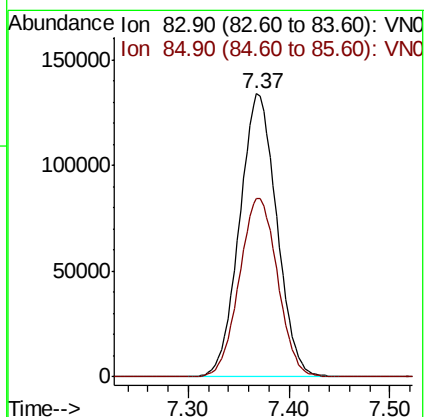
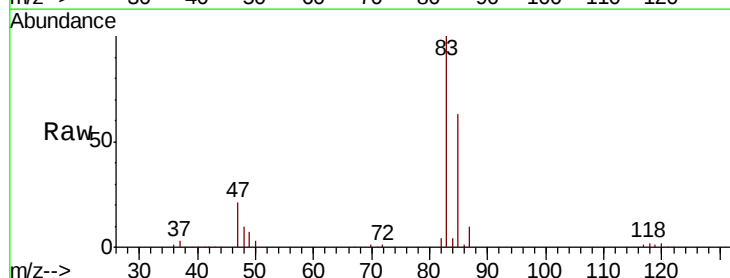
Acq: 22 Jul 2019 15:36

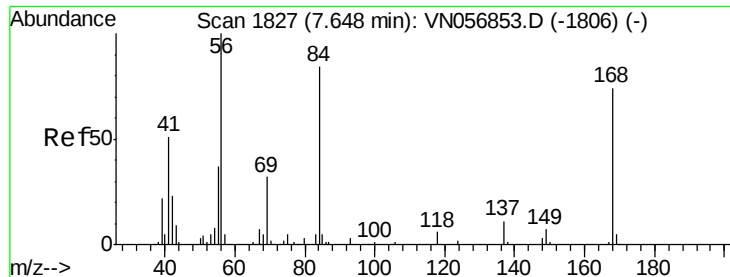
Tgt Ion: 83 Resp: 342620

Ion Ratio Lower Upper

83 100

85 63.3 52.3 78.5





#31

Cyclohexane

Concen: 48.664 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

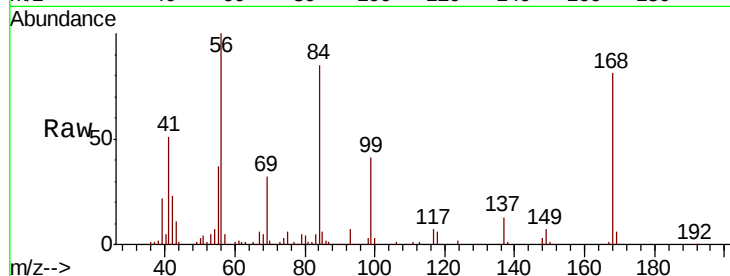
Tot Ion: 56 Resp: 340586

Ion Ratio Lower Upper

56 100

69 32.3 25.5 38.3

84 83.7 67.3 100.9

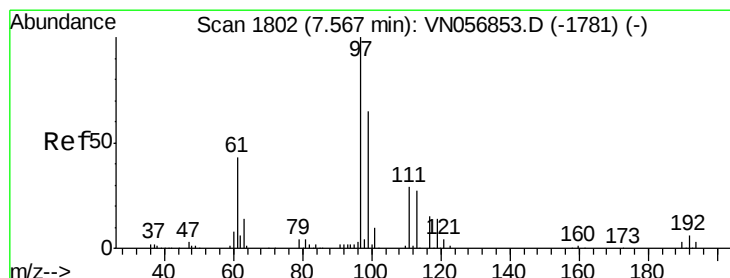
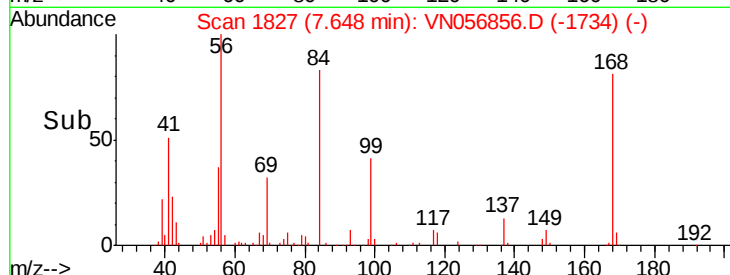
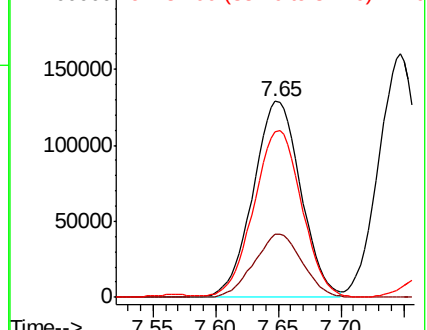


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.264 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

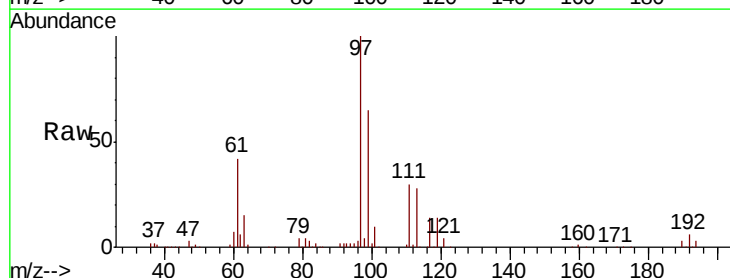
Tgt Ion: 97 Resp: 288204

Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

61 42.1 34.0 51.0

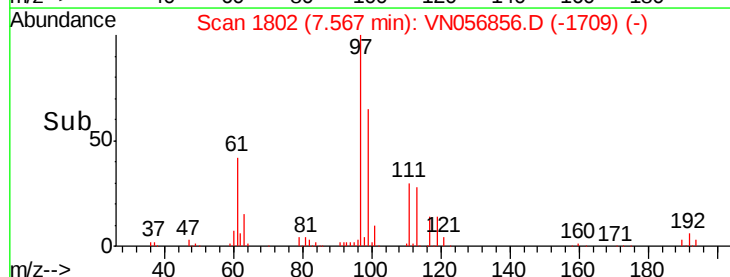
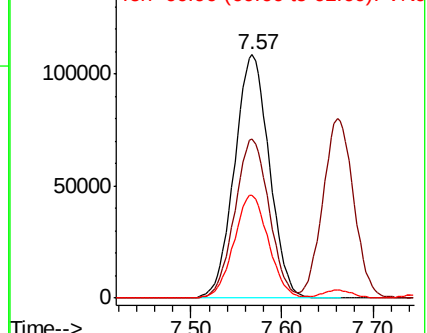


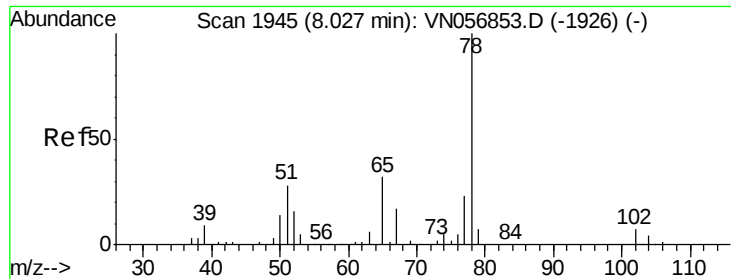
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

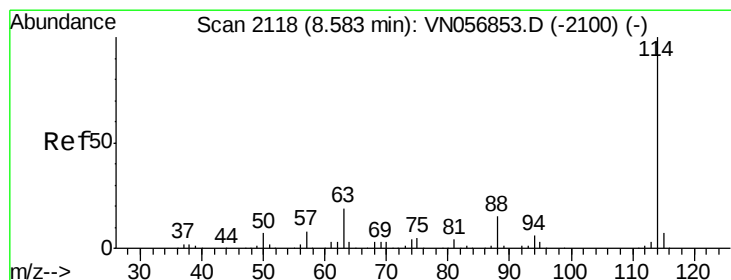
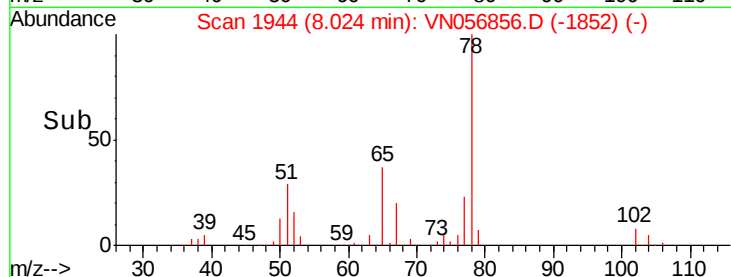
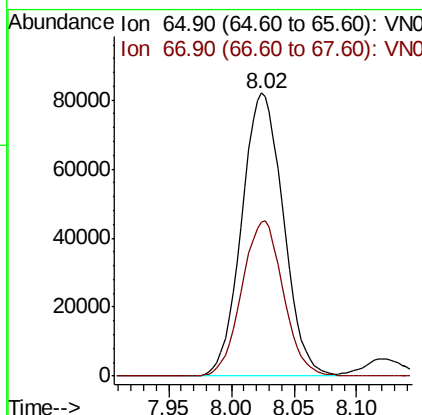
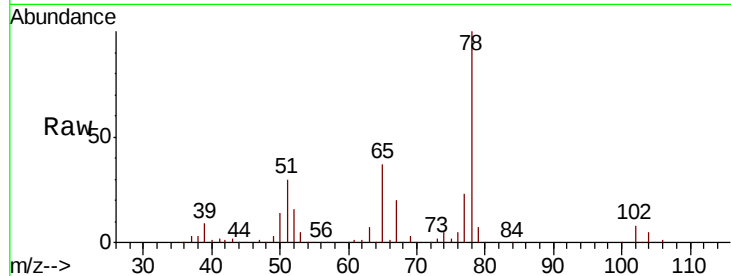




#33
 1,2-Dichloroethane-d4
 Concen: 45.954 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

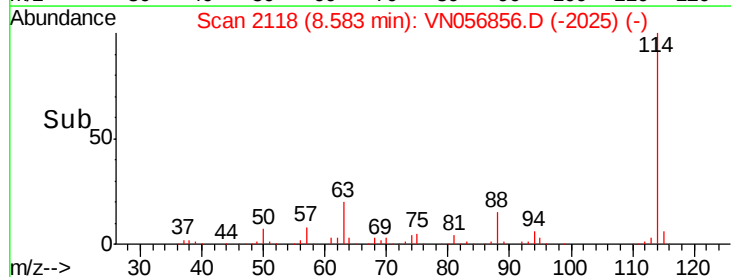
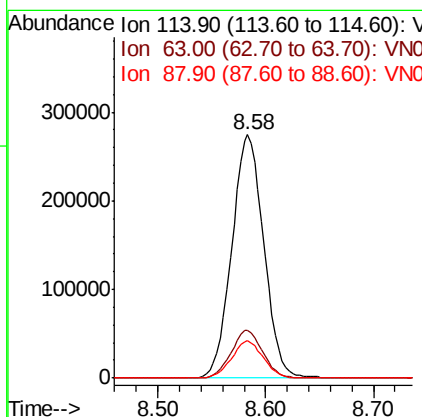
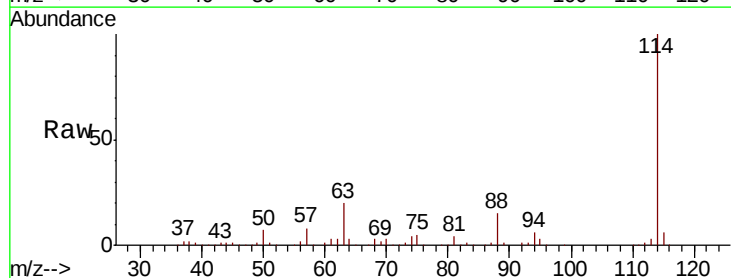
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

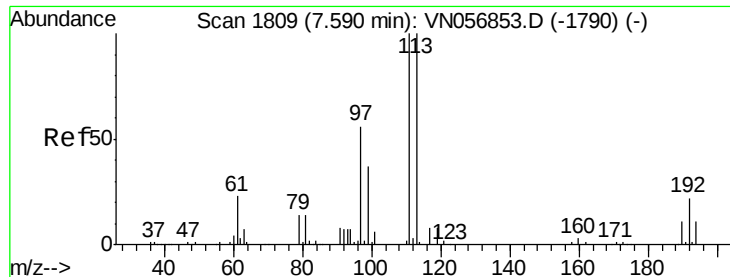
Tot Ion: 65 Resp: 189215
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 114 Resp: 565805
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.8
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.280 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

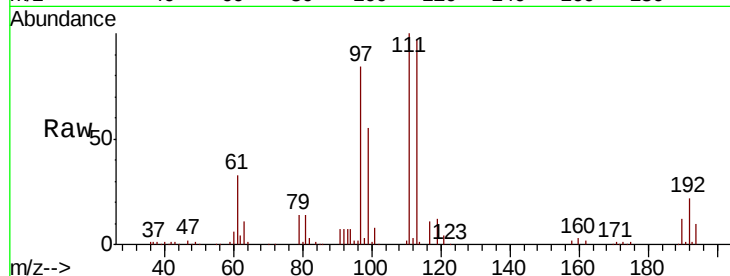
Tot Ion:113 Resp: 169558

Ion Ratio Lower Upper

113 100

111 103.7 81.9 122.9

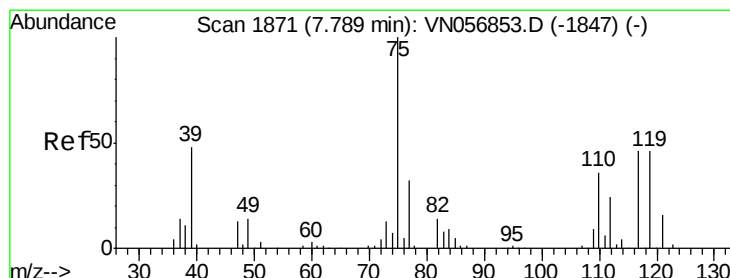
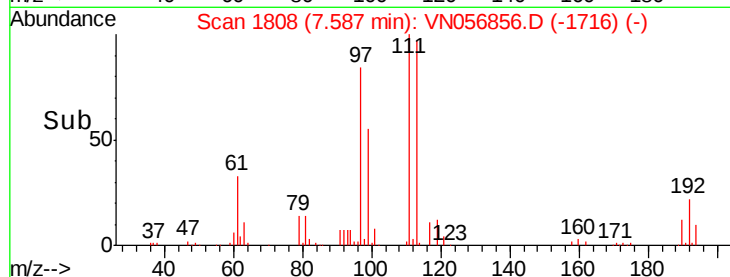
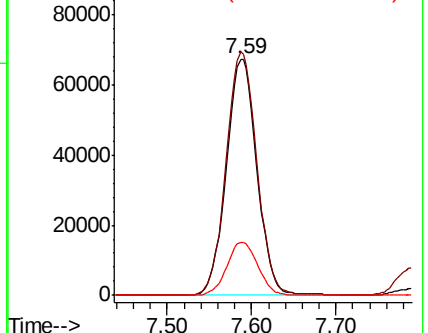
192 22.9 18.5 27.7



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: 51.619 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

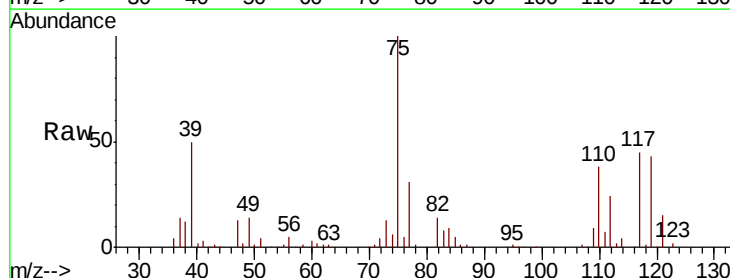
Tgt Ion: 75 Resp: 269341

Ion Ratio Lower Upper

75 100

110 37.0 17.9 53.7

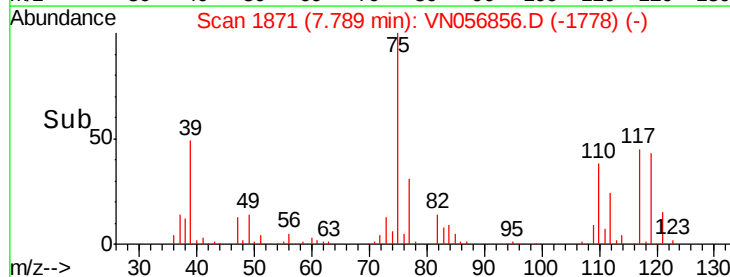
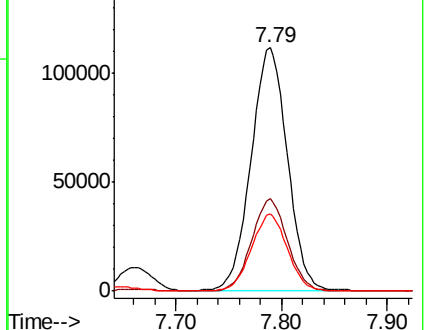
77 31.3 25.0 37.6

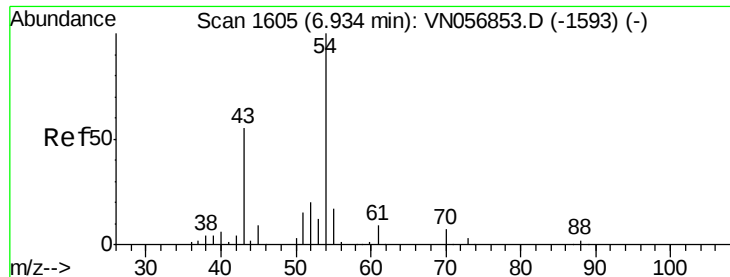


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

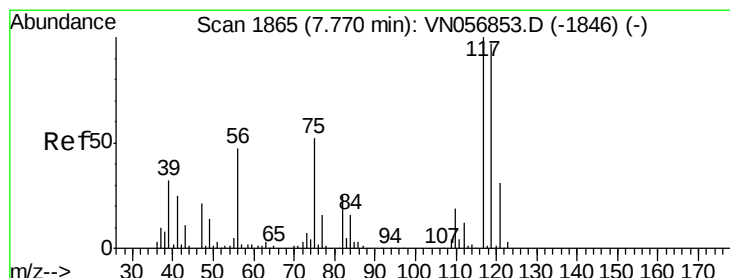
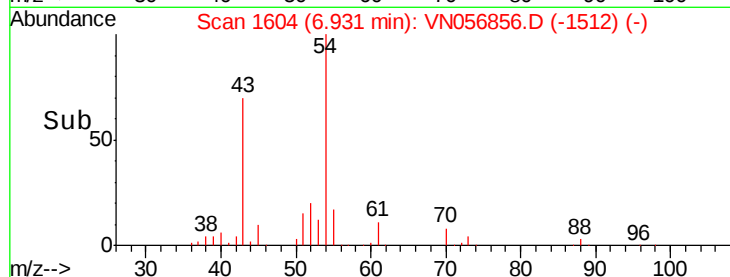
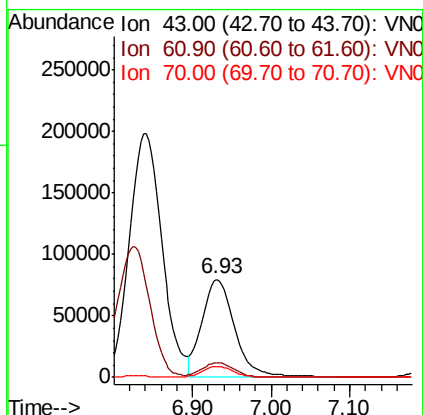
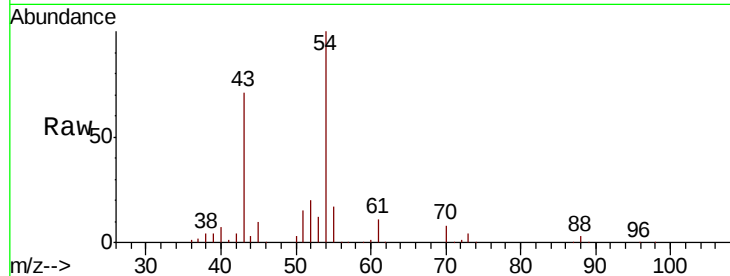




#37
Ethyl Acetate
Concen: 53.353 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

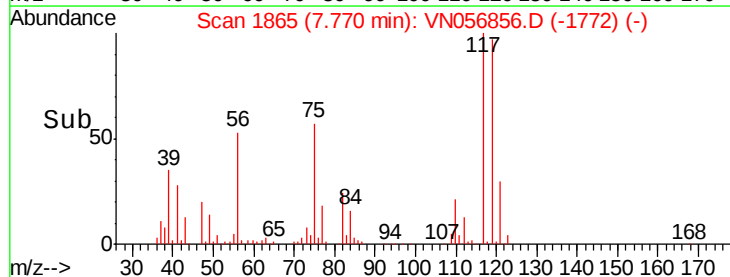
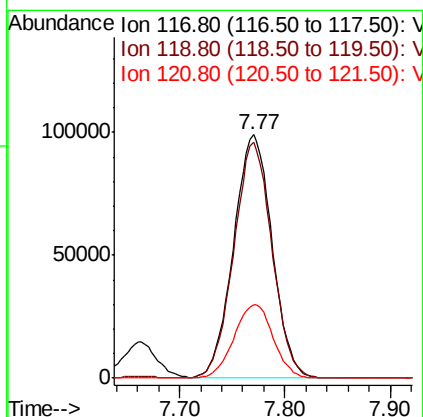
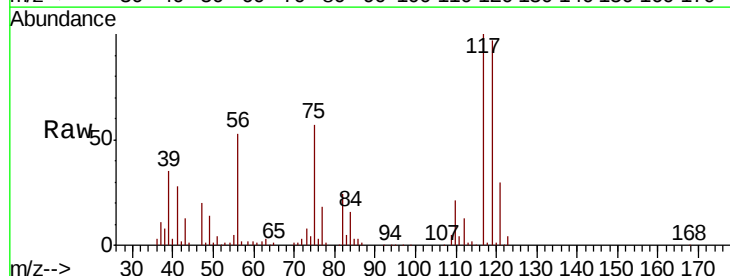
Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

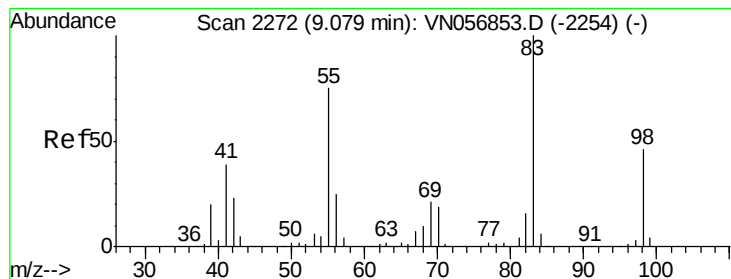
Tot Ion: 43 Resp: 224501
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 10.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 50.533 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 117 Resp: 251007
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 30.0 24.5 36.7





#39

Methvlcvclohexane

Concen: 53.005 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVFN072219

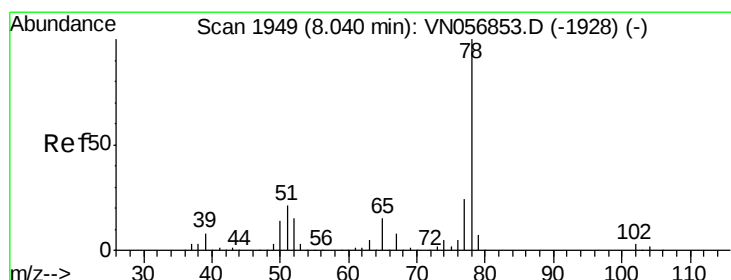
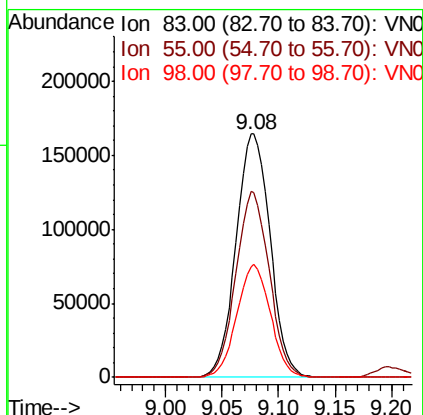
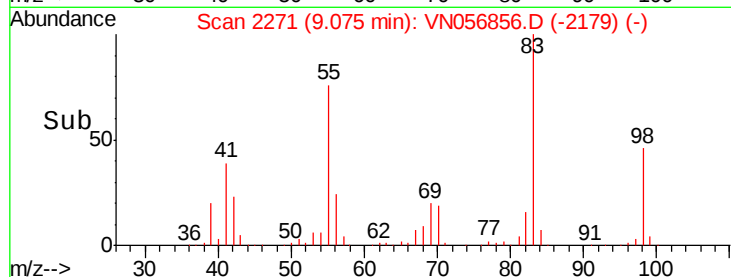
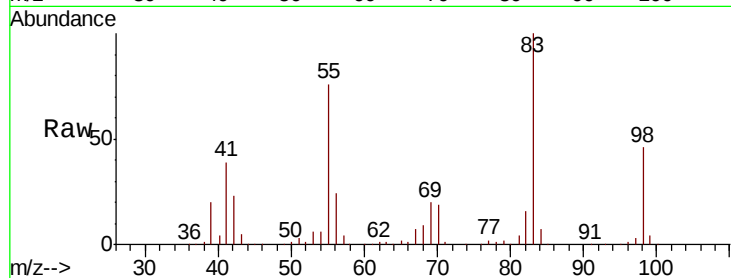
Tot Ion: 83 Resp: 346089

Ion Ratio Lower Upper

83 100

55 76.2 59.8 89.8

98 45.6 37.1 55.7



#40

Benzene

Concen: 49.704 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN056856.D

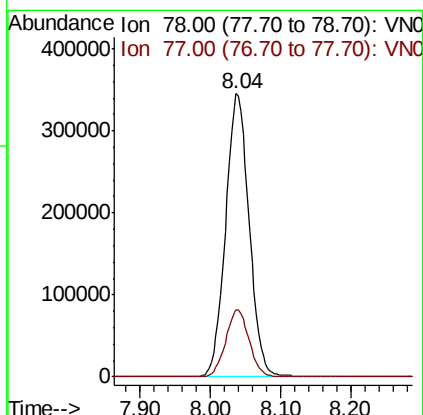
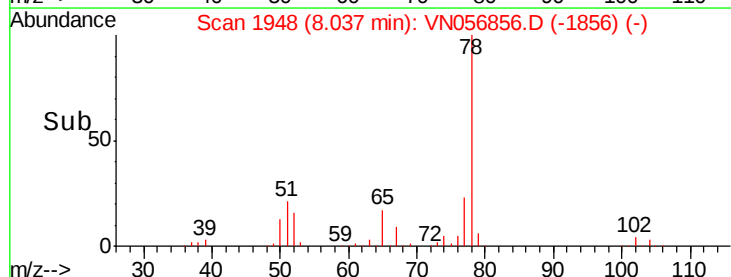
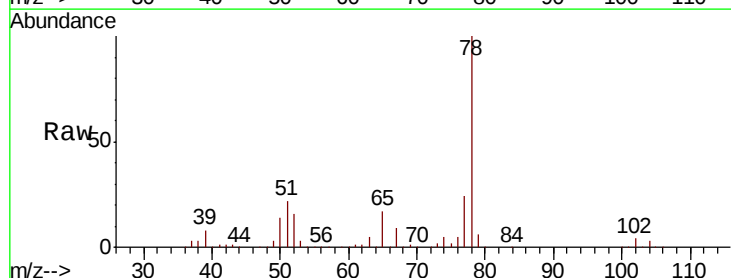
Acq: 22 Jul 2019 15:36

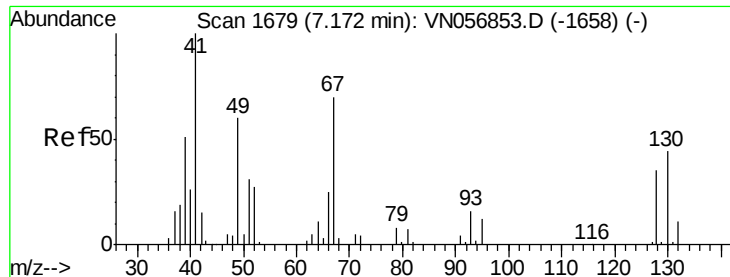
Tgt Ion: 78 Resp: 805595

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

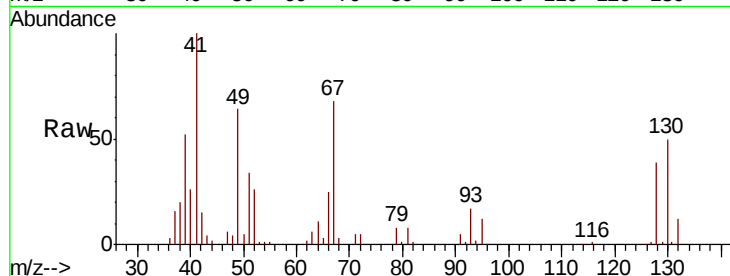




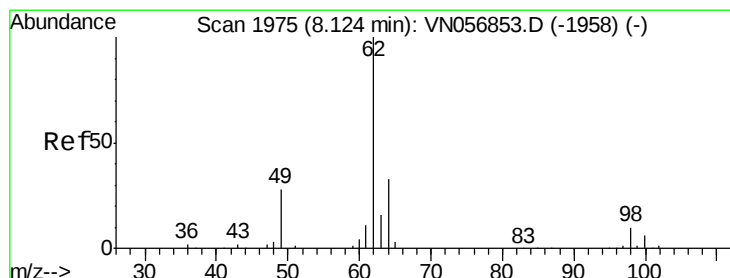
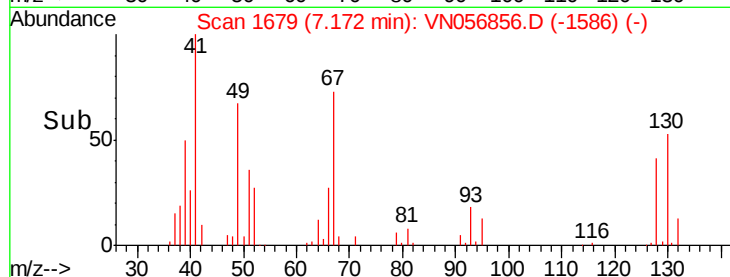
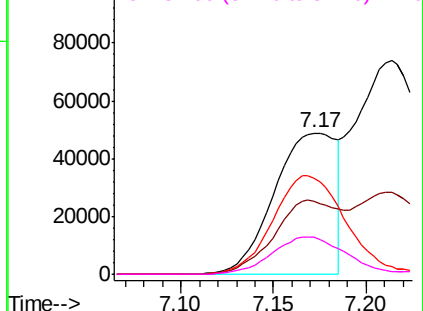
#41
Methacrylonitrile
Concen: 54.603 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion: 41 Resp: 114077
Ion Ratio Lower Upper
41 100
39 54.6 44.0 66.0
67 82.5 73.5 110.3
52 32.2 28.6 43.0

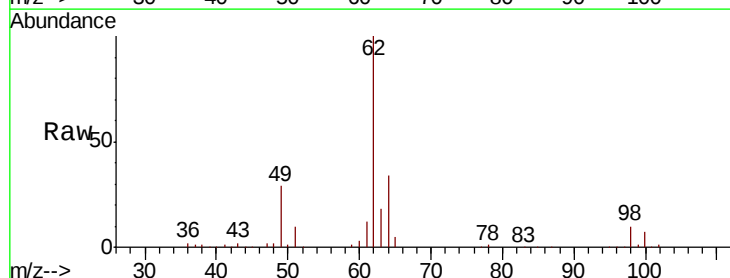


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

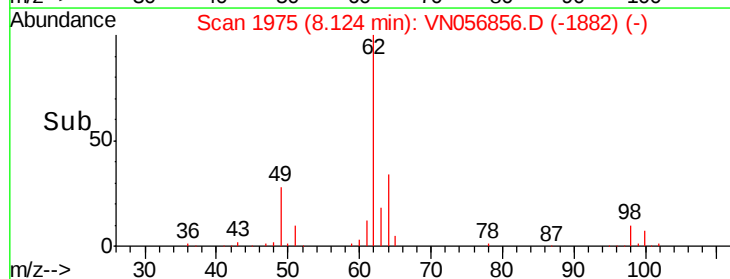
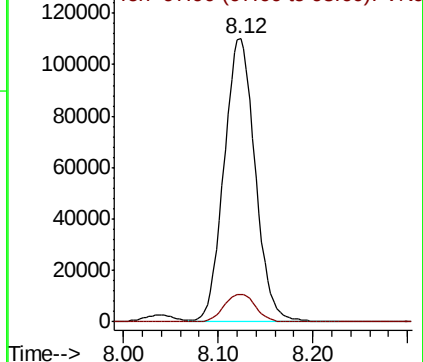


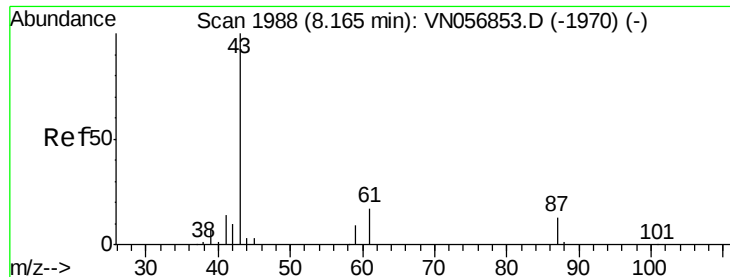
#42
1,2-Dichloroethane
Concen: 49.439 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 62 Resp: 250372
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 50.606 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

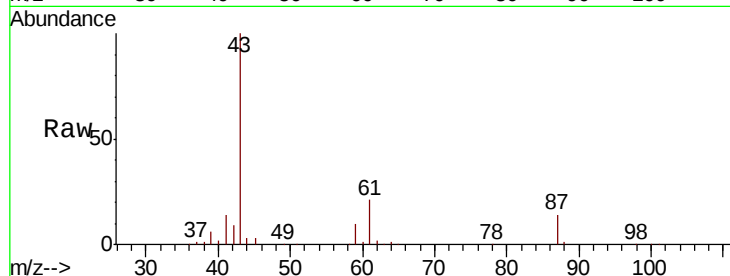
MSVOA_N

ClientSampleId :

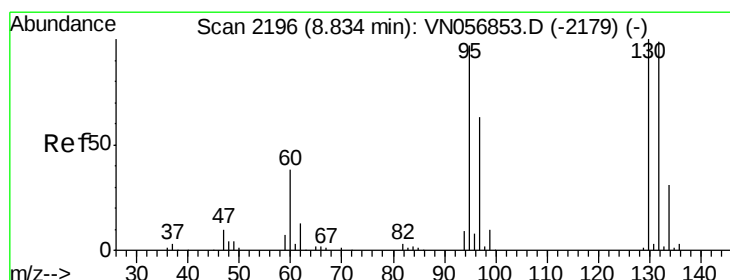
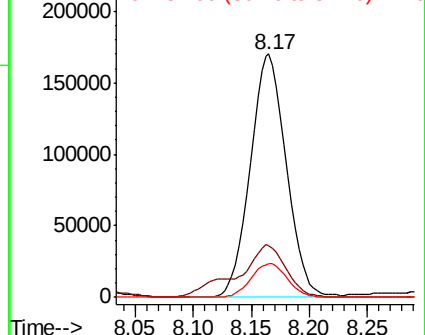
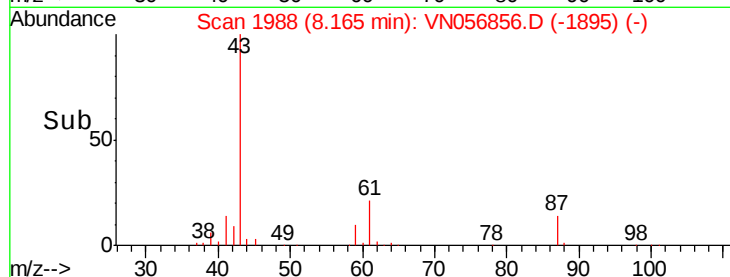
ICVVN072219

Tot Ion: 43 Resp: 366065

Ion	Ratio	Lower	Upper
43	100		
61	28.8	17.8	26.6#
87	14.1	11.0	16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056856.D (-1895) (-)



#44

Trichloroethene

Concen: 50.814 ug/l

RT: 8.83 min Scan# 2196

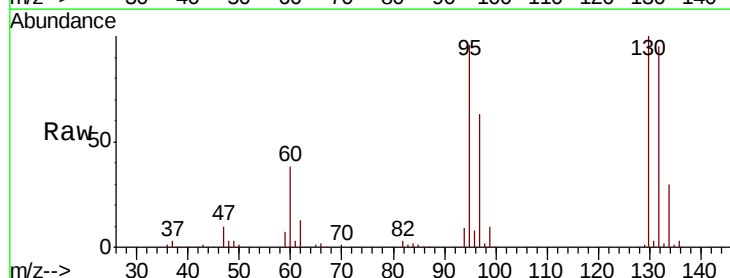
Delta R.T. 0.00 min

Lab File: VN056856.D

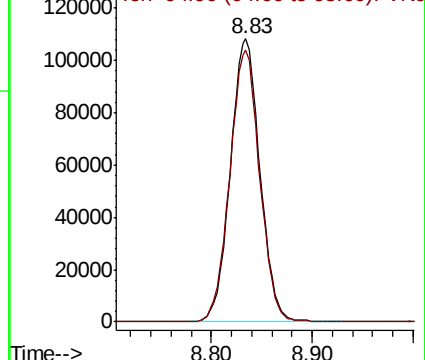
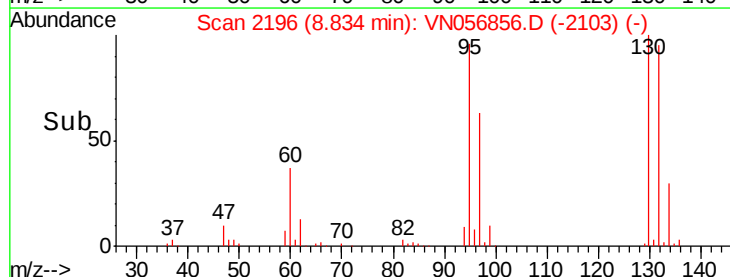
Acq: 22 Jul 2019 15:36

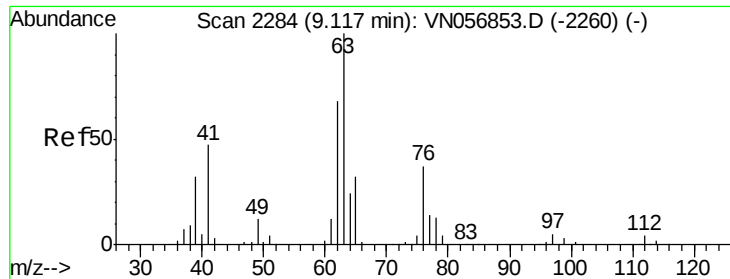
Tgt Ion: 130 Resp: 220582

Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	194.0



Abundance Ion 129.80 (129.50 to 130.50): VN056856.D (-2103) (-)

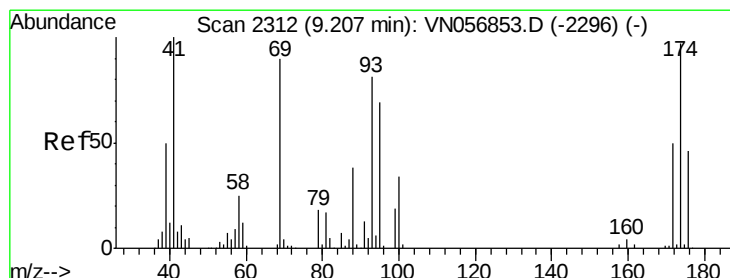
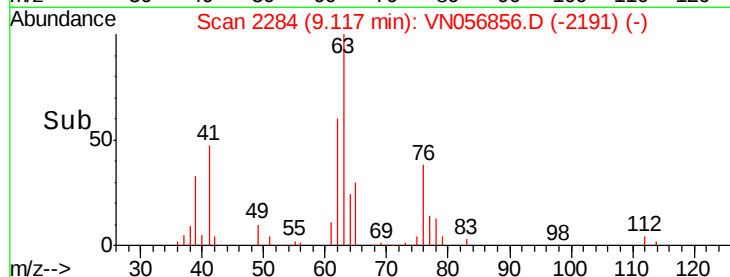
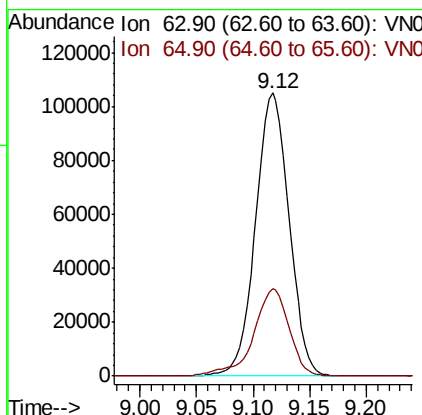
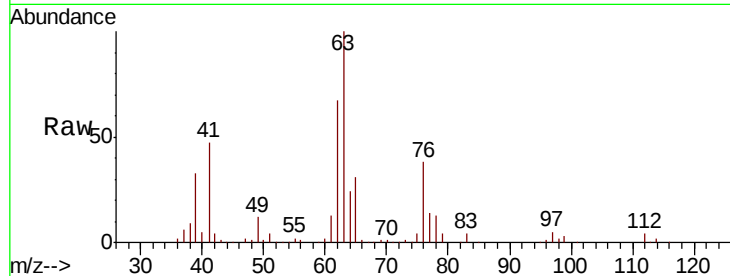




#45
 1,2-Dichloropropane
 Concen: 49.629 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

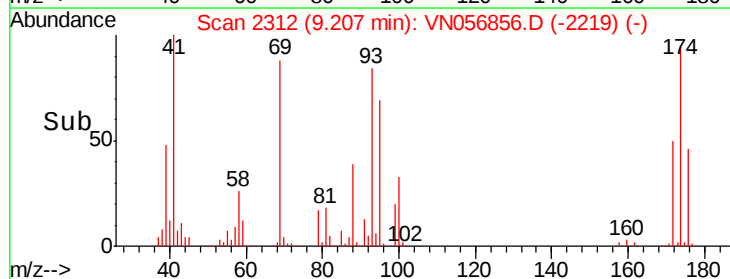
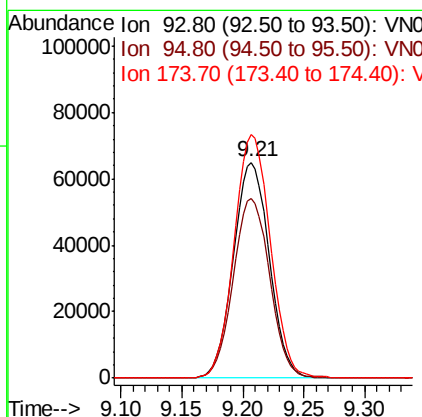
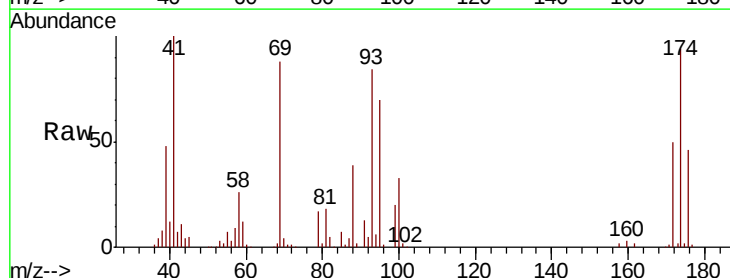
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

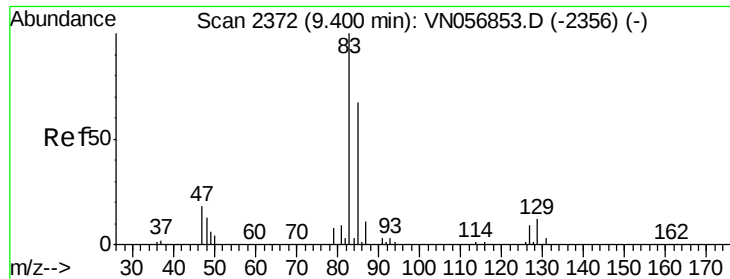
Tot Ion: 63 Resp: 21692
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.0



#46
 Dibromomethane
 Concen: 49.353 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 93 Resp: 133006
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.4 101.0
 174 114.0 92.9 139.3

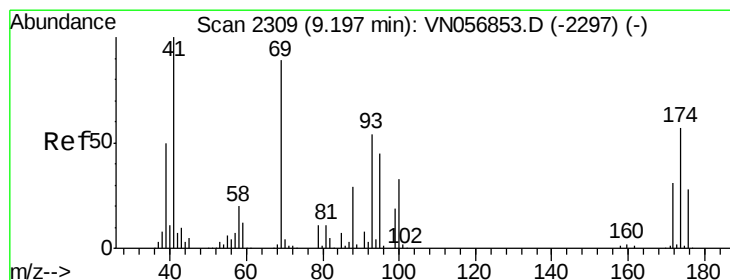
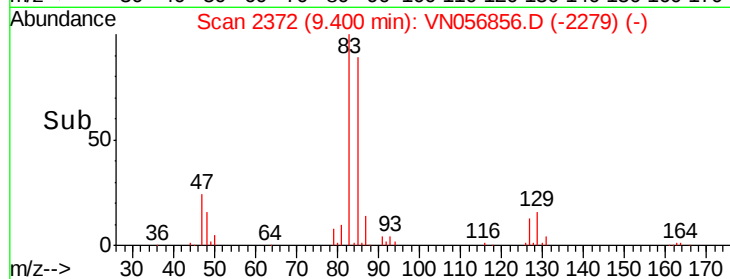
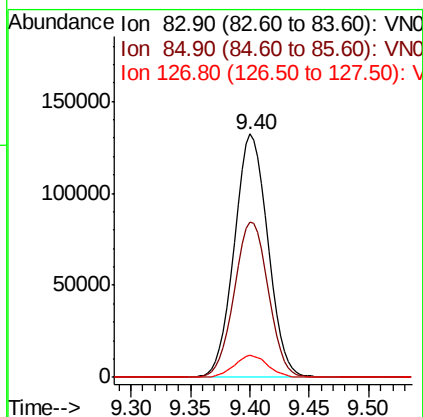
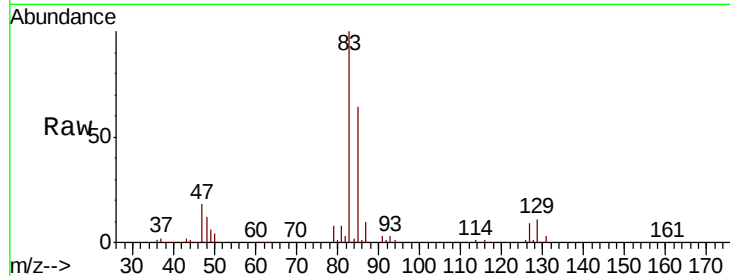




#47
Bromodichloromethane
Concen: 51.136 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

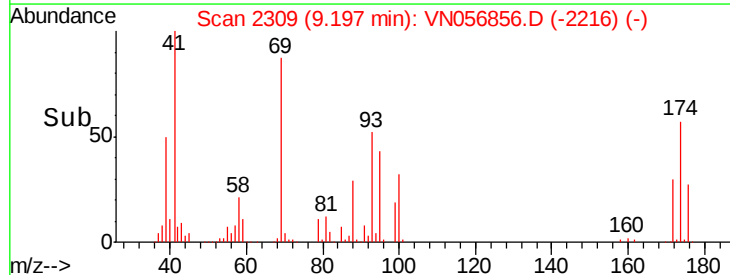
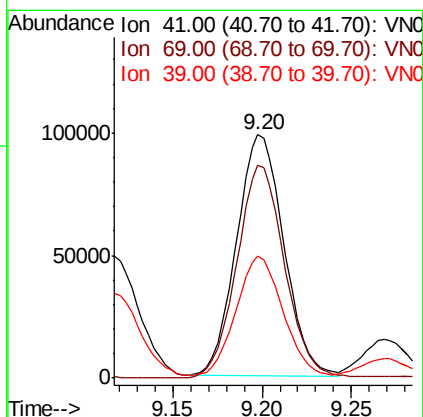
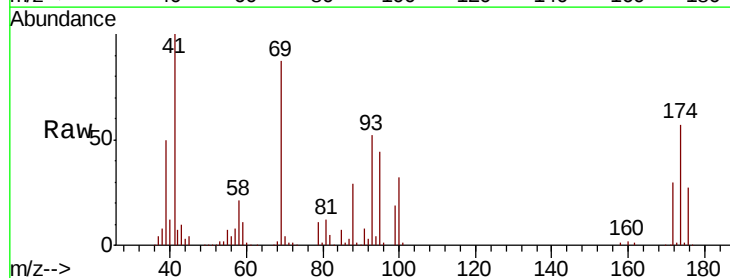
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

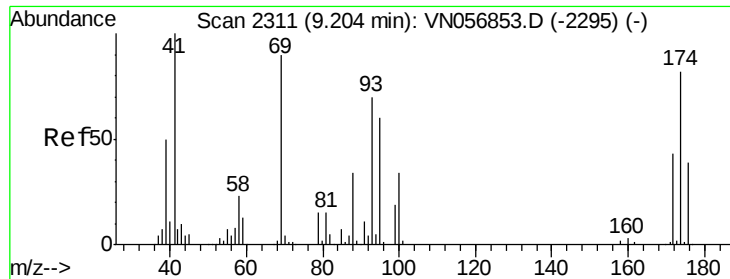
Tot Ion	83	Resp	259166
Ion Ratio	Lower	Upper	
83	100		
85	63.9	53.4	80.2
127	9.1	7.2	10.8



#48
Methyl methacrylate
Concen: 50.258 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion	41	Resp	181865
Ion Ratio	Lower	Upper	
41	100		
69	89.5	71.1	106.7
39	50.7	40.6	60.8

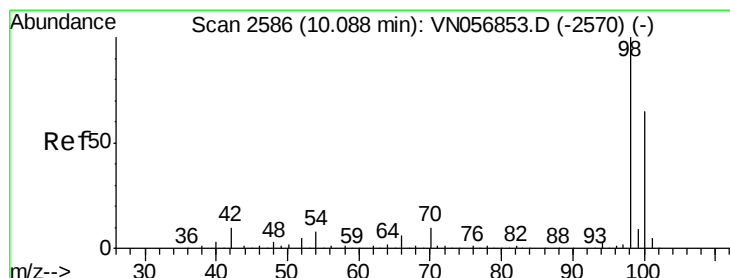
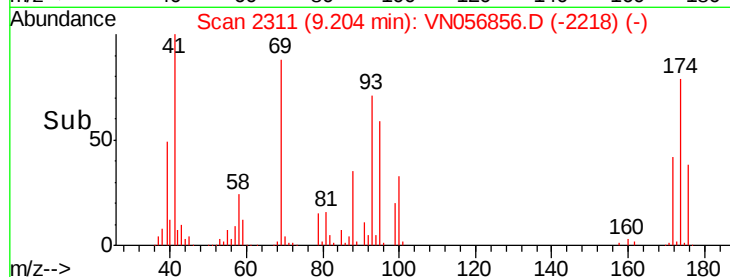
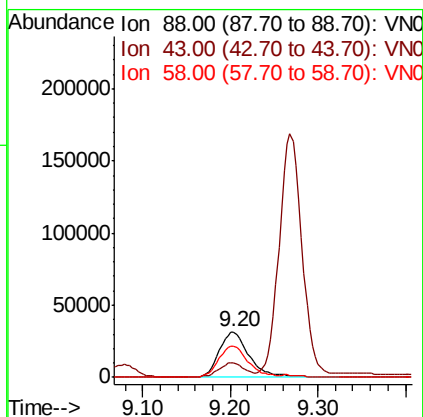
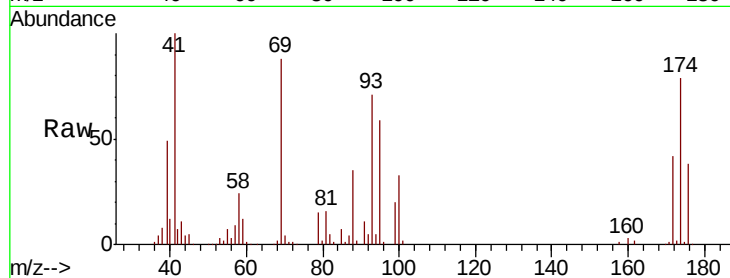




#49
1,4-Dioxane
Concen: 1070.826 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

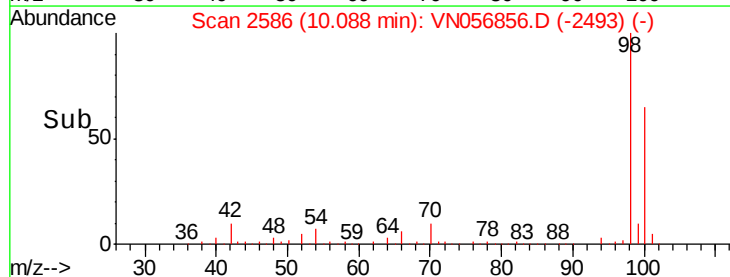
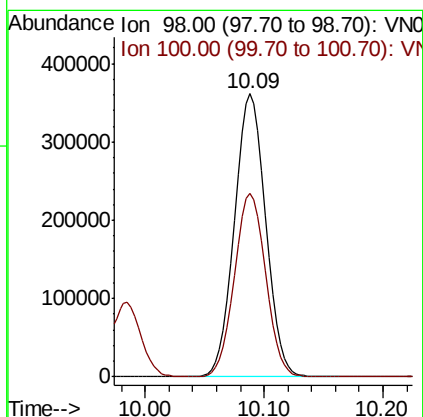
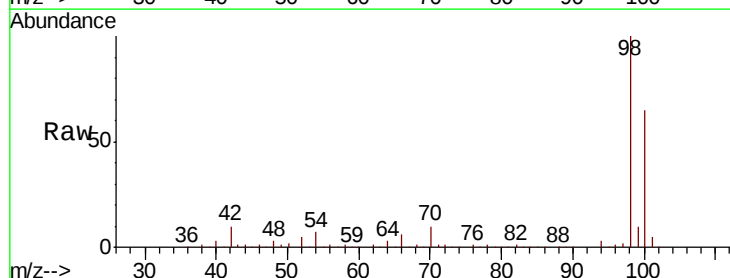
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

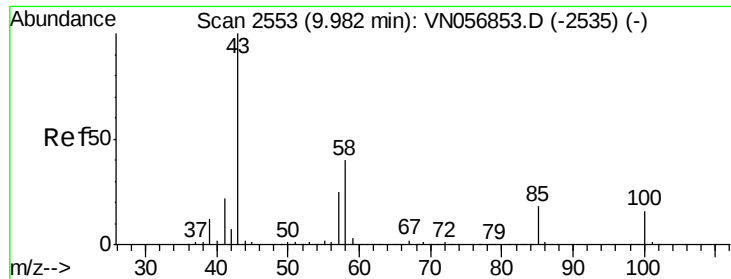
Tot Ion: 88 Resp: 76008
Ion Ratio Lower Upper
88 100
43 26.1 21.4 32.2
58 67.2 55.7 83.5



#50
Toluene-d8
Concen: 48.021 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 98 Resp: 658855
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 257.566 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

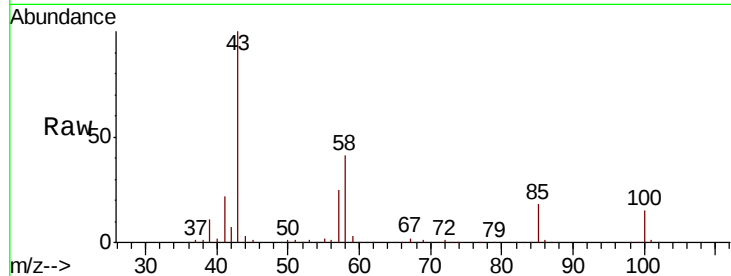
ICVVN072219

Tot Ion: 43 Resp: 1111041

Ion Ratio Lower Upper

43 100

58 40.6 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

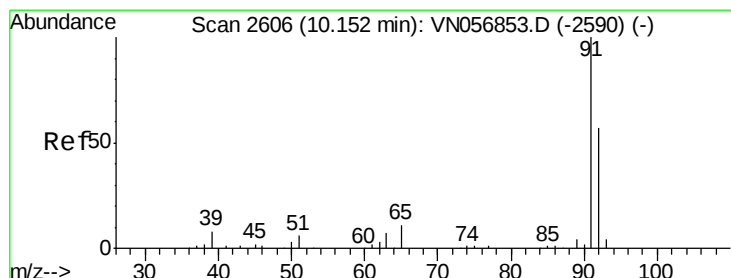
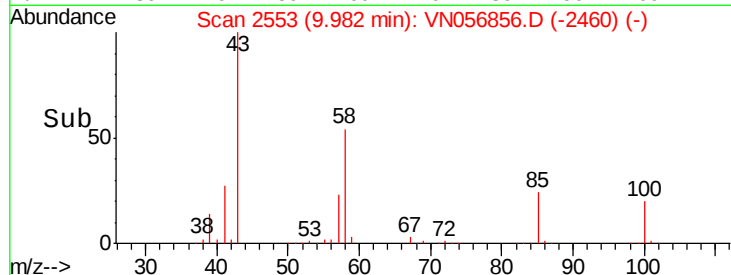
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.935 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056856.D

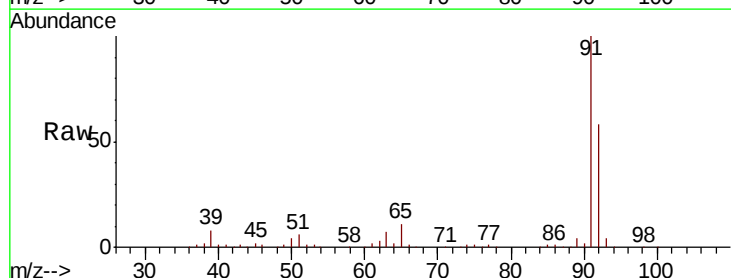
Acq: 22 Jul 2019 15:36

Tgt Ion: 92 Resp: 506528

Ion Ratio Lower Upper

92 100

91 173.3 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

500000

400000

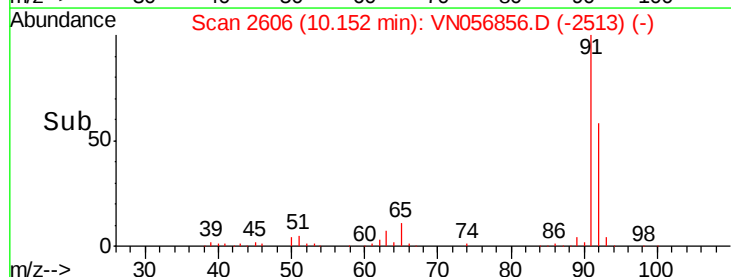
300000

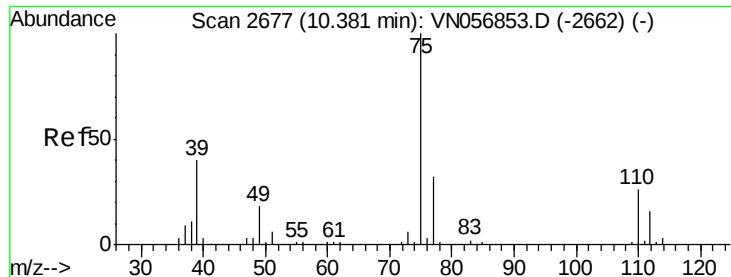
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.403 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

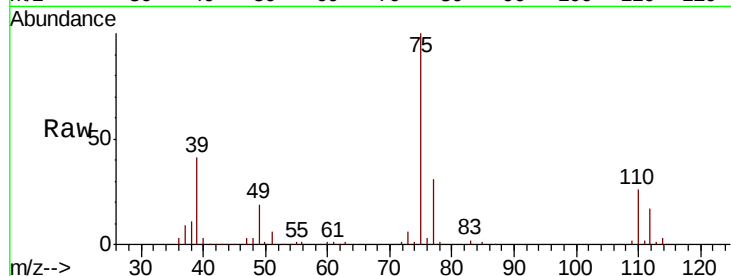
ICVVN072219

Tot Ion: 75 Resp: 277781

Ion Ratio Lower Upper

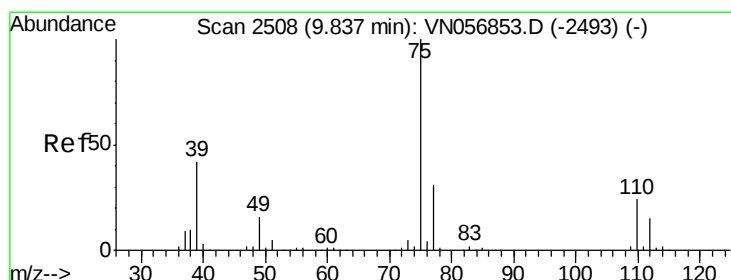
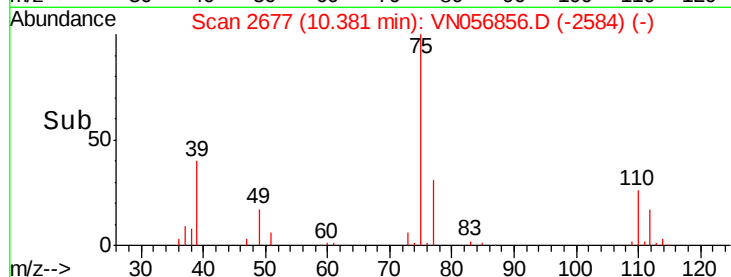
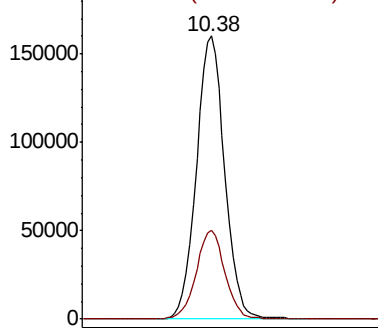
75 100

77 31.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.564 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

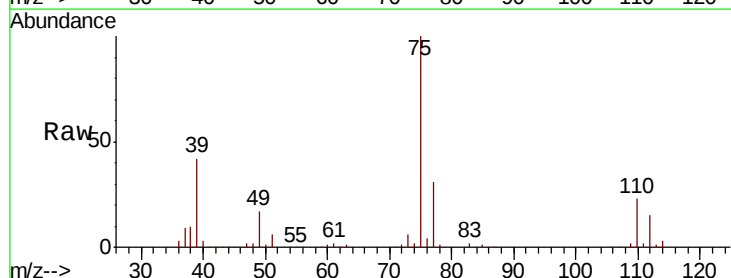
Tgt Ion: 75 Resp: 322343

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7

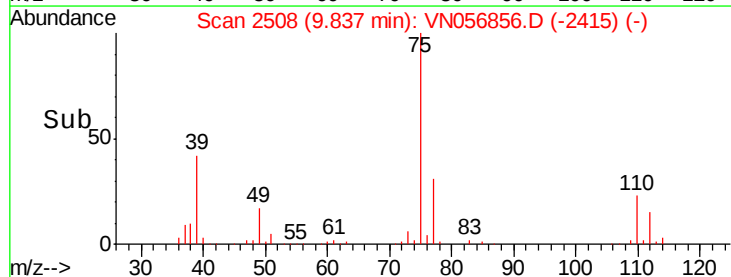
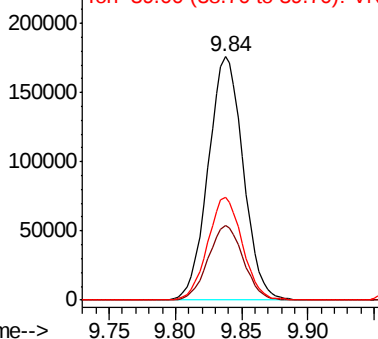
39 42.2 33.4 50.2

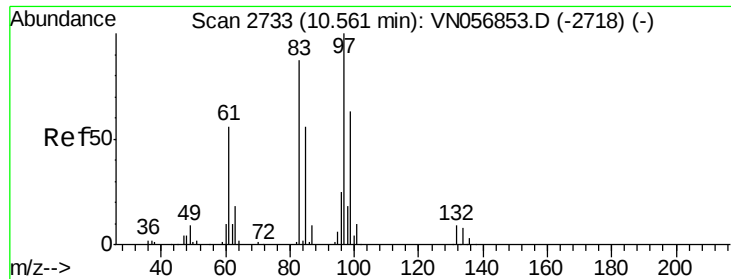


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

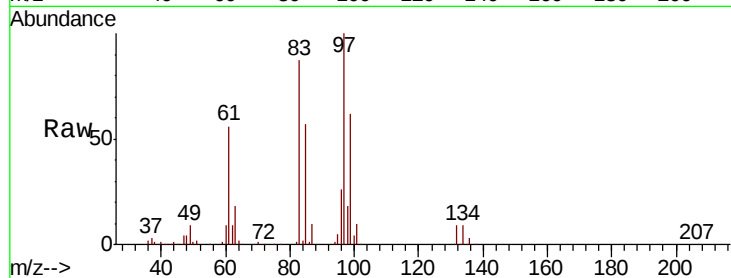




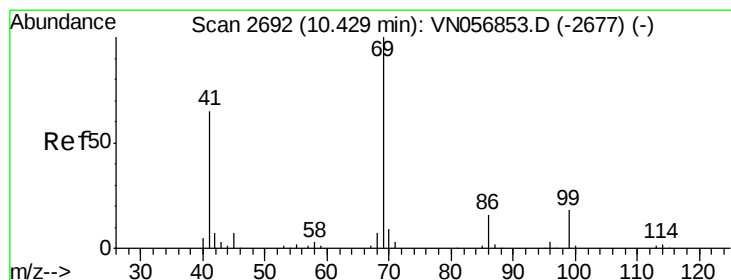
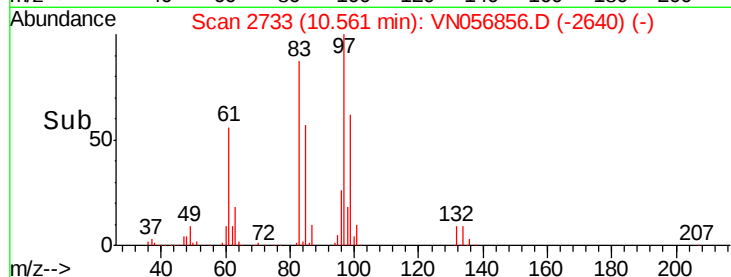
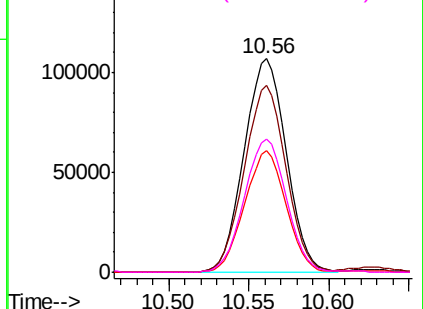
#55
 1,1,2-Trichloroethane
 Concen: 49.804 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

Tot Ion: 97 Resp: 192796
 Ion Ratio Lower Upper
 97 100
 83 87.3 70.0 105.0
 85 57.2 45.1 67.7
 99 62.5 50.2 75.4

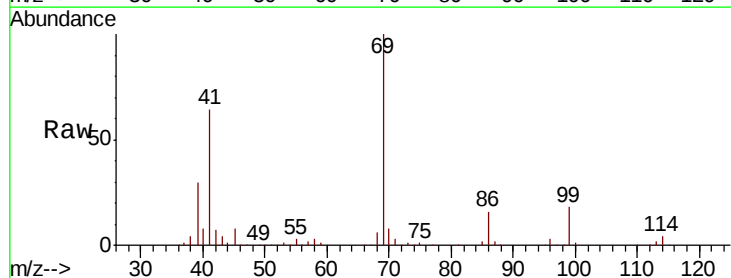


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

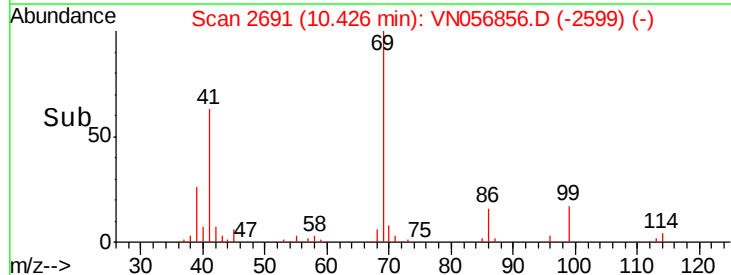
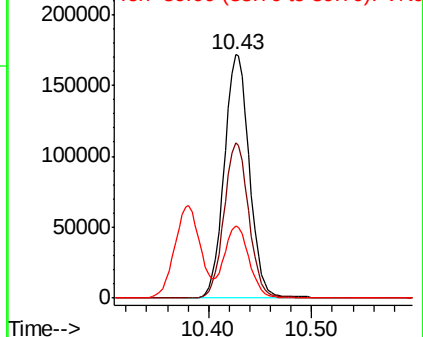


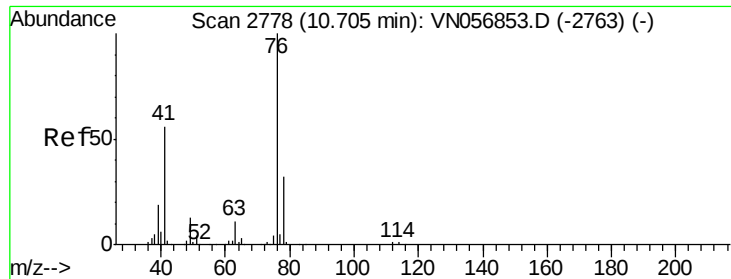
#56
 Ethyl methacrylate
 Concen: 54.172 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 69 Resp: 291112
 Ion Ratio Lower Upper
 69 100
 41 62.6 51.0 76.6
 39 29.6 24.5 36.7



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: 51.298 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

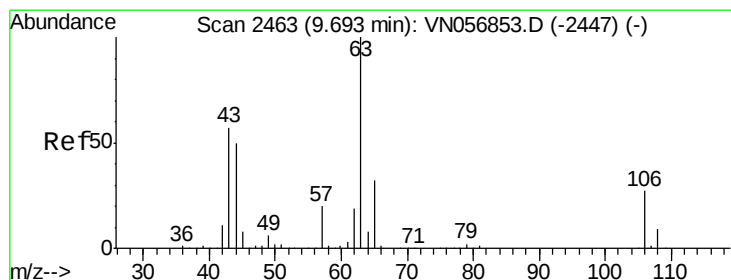
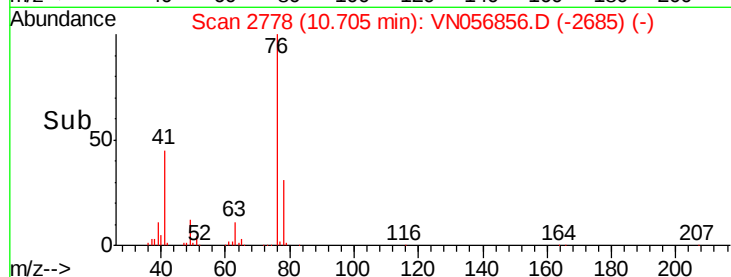
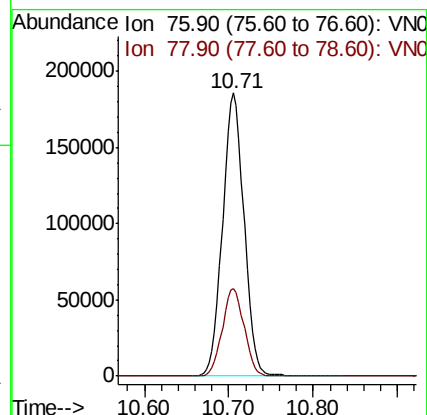
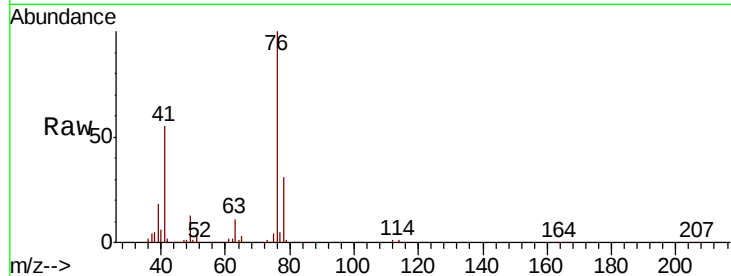
ICVVN072219

Tot Ion: 76 Resp: 328704

Ion Ratio Lower Upper

76 100

78 31.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 249.462 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056856.D

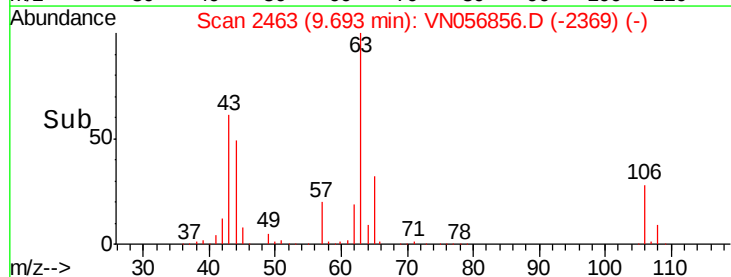
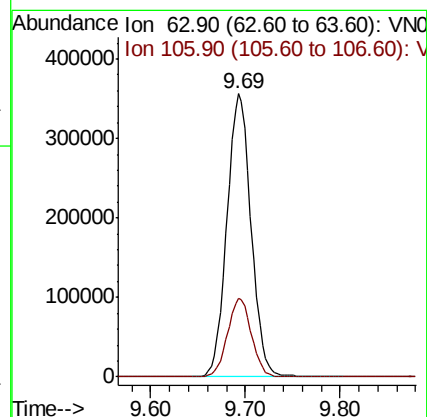
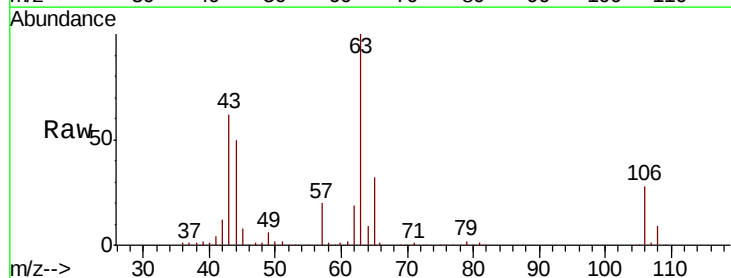
Acq: 22 Jul 2019 15:36

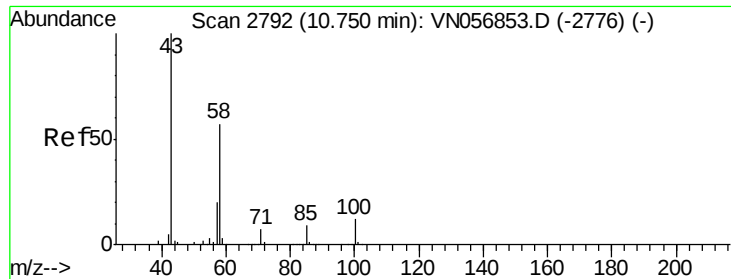
Tgt Ion: 63 Resp: 631167

Ion Ratio Lower Upper

63 100

106 27.3 21.8 32.8

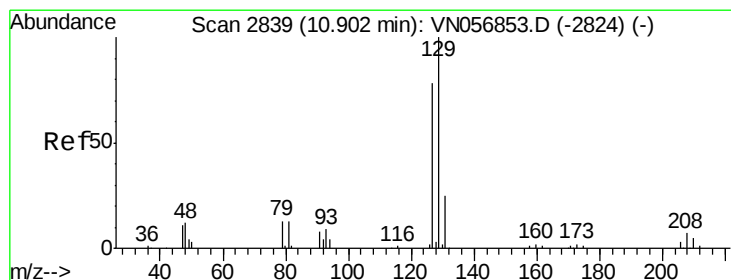
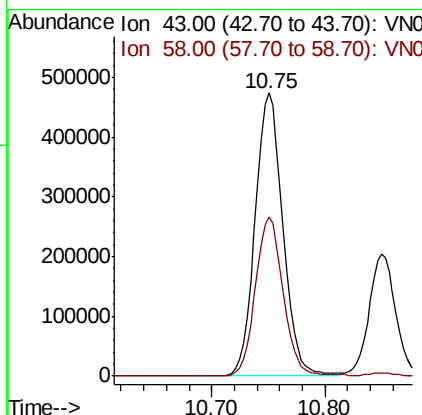
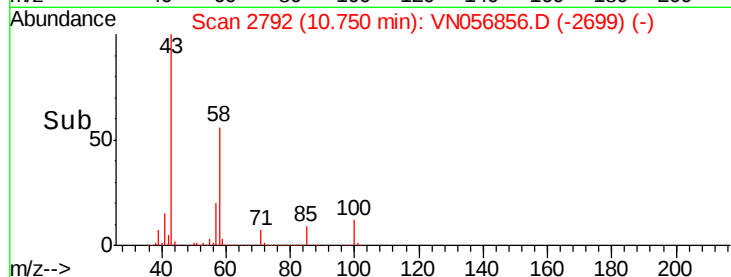
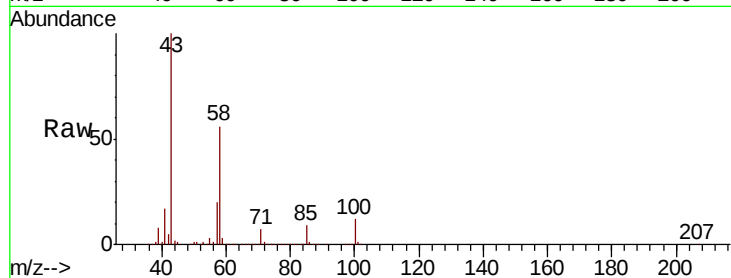




#59
2-Hexanone
Concen: 269.880 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

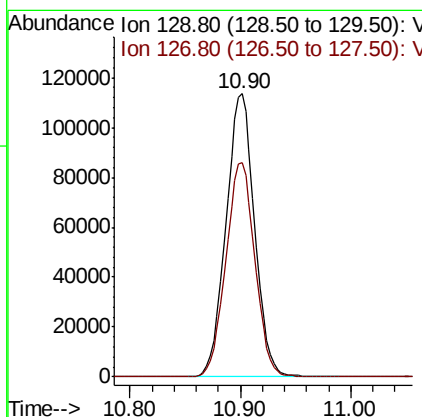
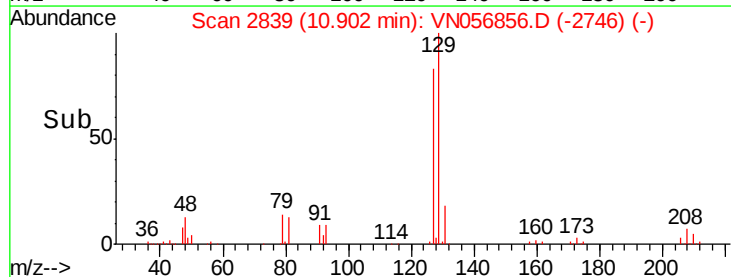
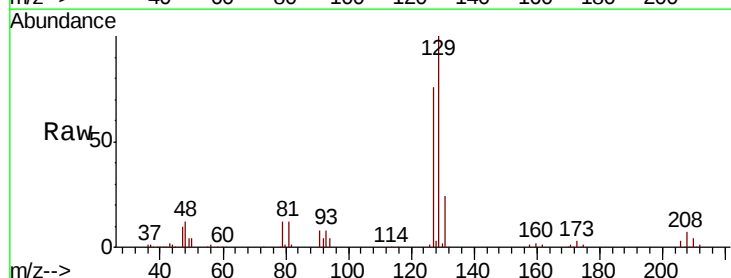
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

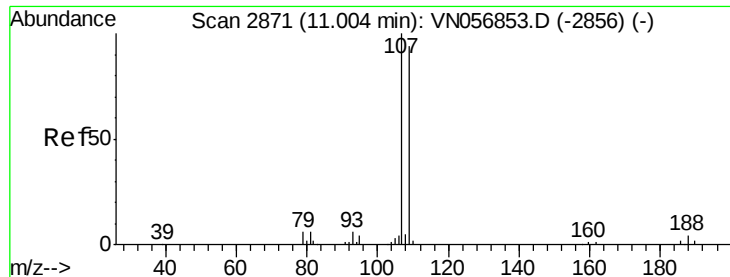
Tot Ion: 43 Resp: 805819
Ion Ratio Lower Upper
43 100
58 56.5 28.3 85.0



#60
Dibromochloromethane
Concen: 52.532 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 129 Resp: 204060
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.959 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

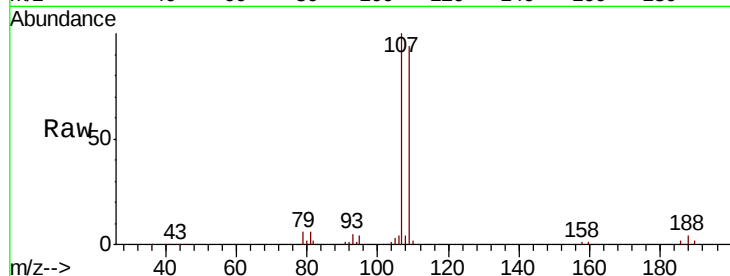
ICVVN072219

Tot Ion:107 Resp: 199762

Ion Ratio Lower Upper

107 100

109 94.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

120000

100000

80000

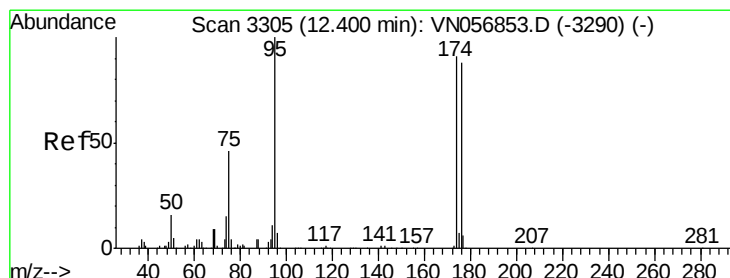
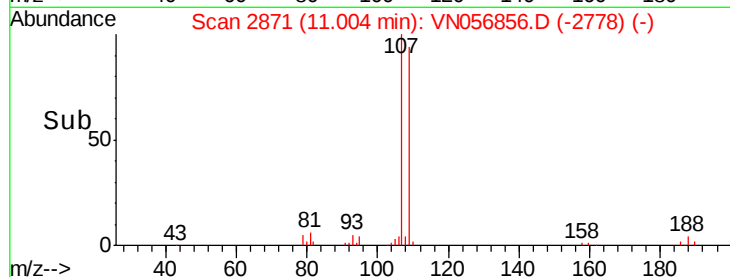
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.178 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

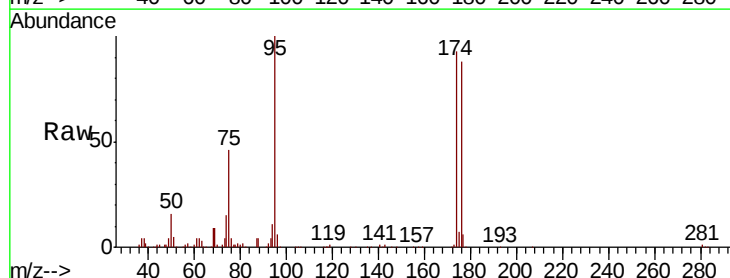
Tgt Ion: 95 Resp: 225303

Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.4

176 87.5 0.0 175.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

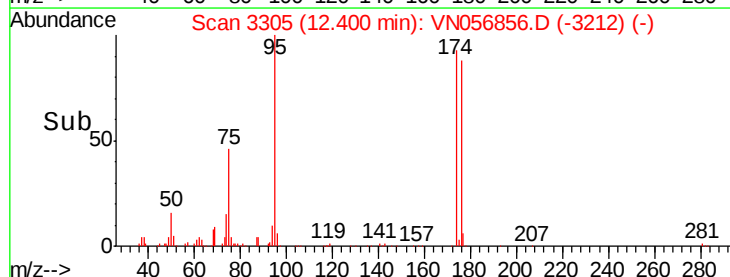
150000

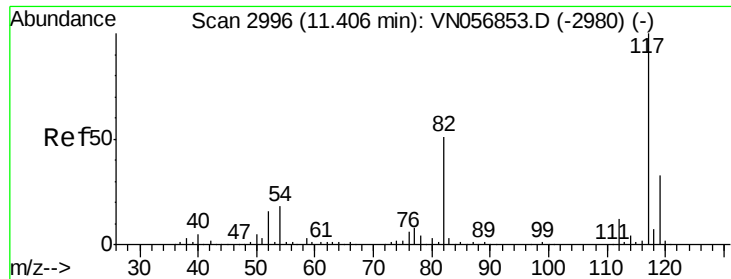
100000

50000

0

Time--> 12.30 12.35 12.40 12.45

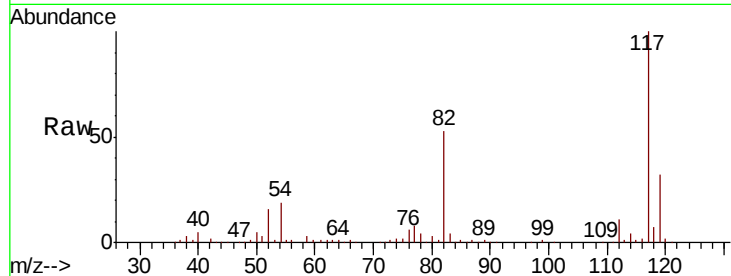




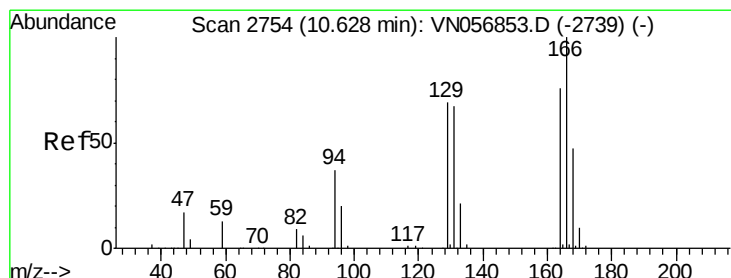
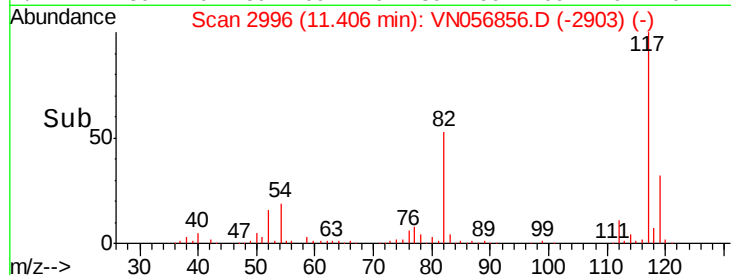
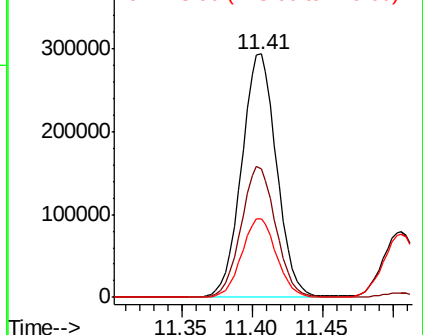
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion:117 Resp: 509875
Ion Ratio Lower Upper
117 100
82 53.0 41.2 61.8
119 32.5 26.4 39.6

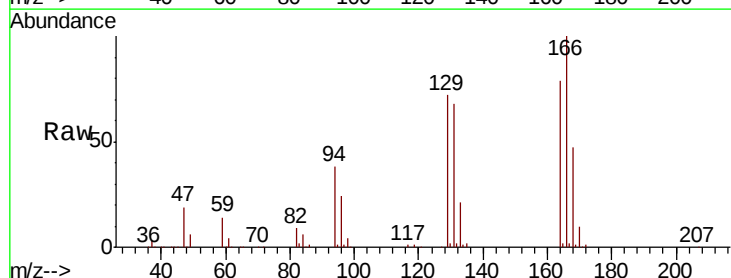


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

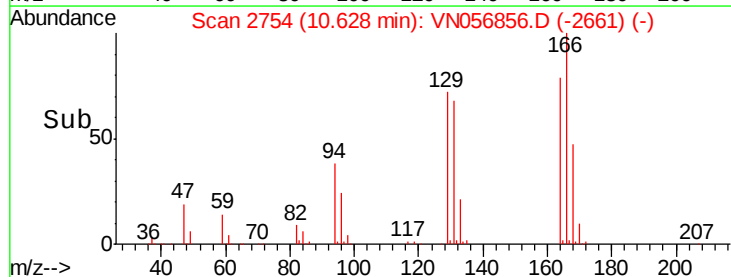
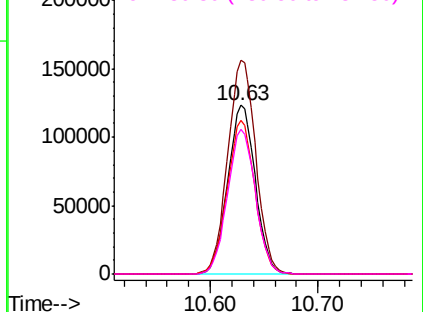


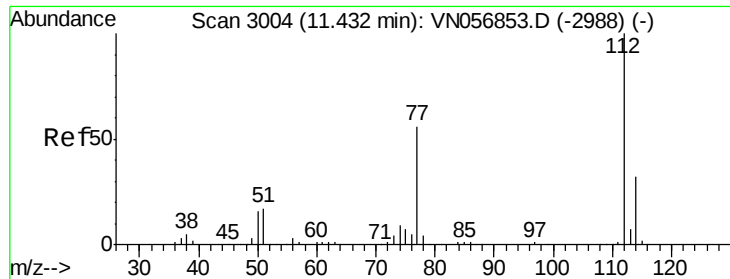
#64
Tetrachloroethene
Concen: 50.425 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion:164 Resp: 220567
Ion Ratio Lower Upper
164 100
166 126.7 104.9 157.3
129 91.4 72.8 109.2
131 85.5 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

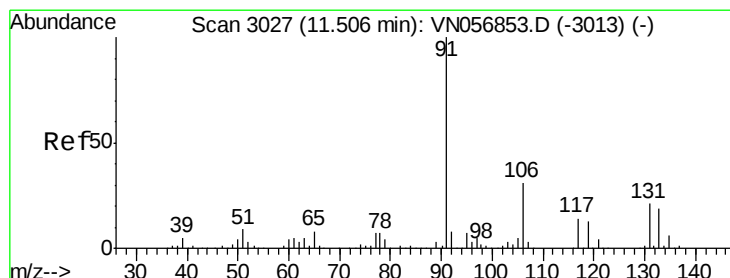
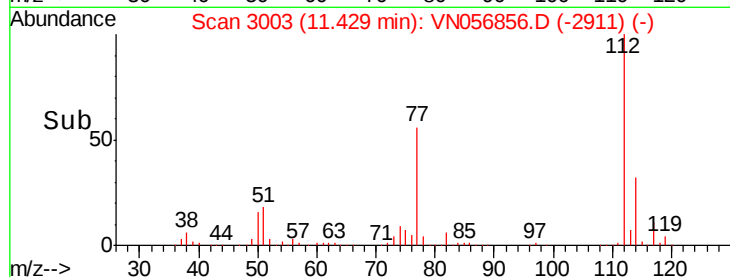
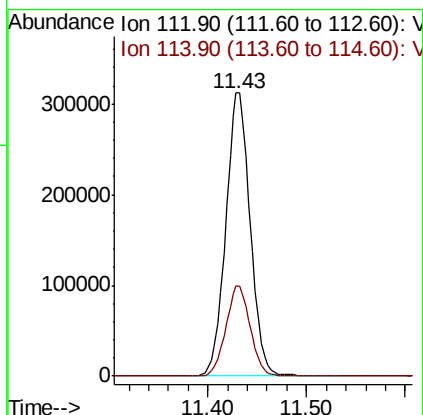
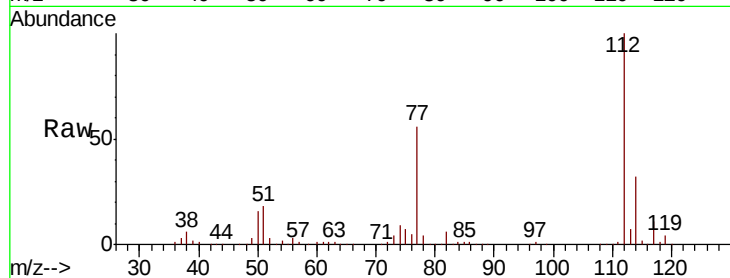




#65
Chlorobenzene
Concen: 51.016 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

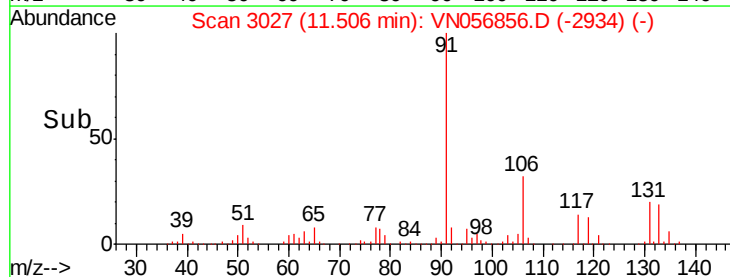
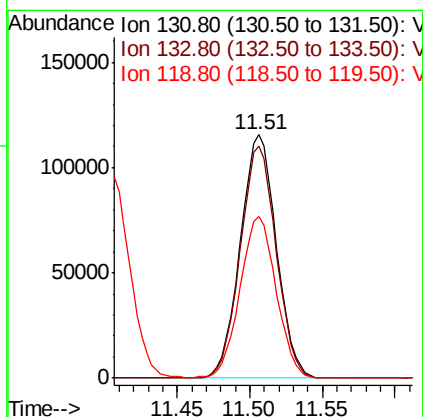
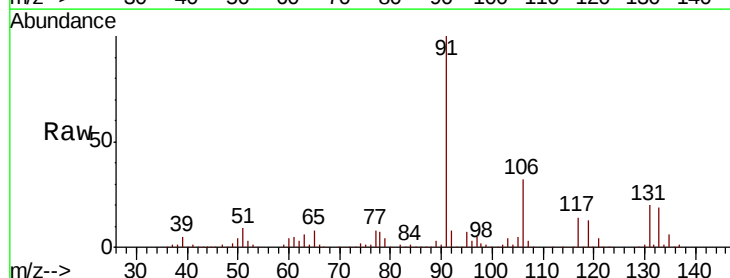
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

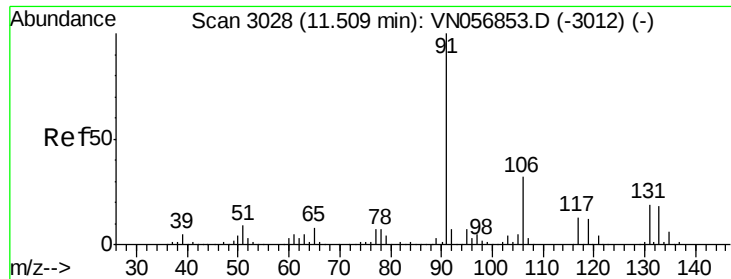
Tot Ion:112 Resp: 540555
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.052 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion:131 Resp: 199940
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 66.4 33.1 99.5

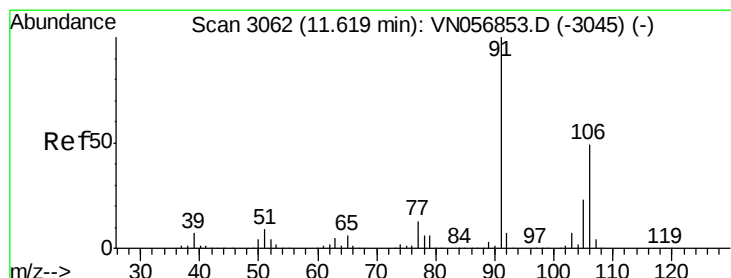
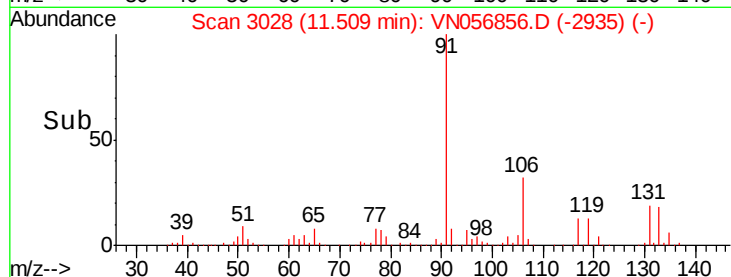
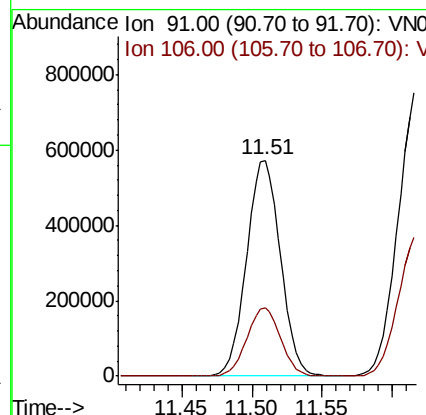
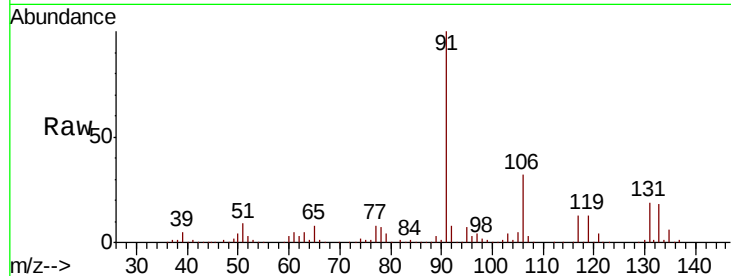




#67
Ethyl Benzene
Concen: 52.742 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

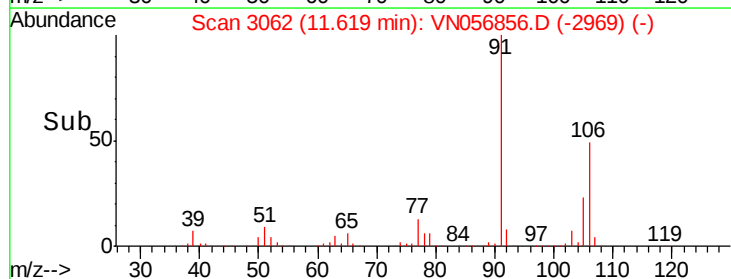
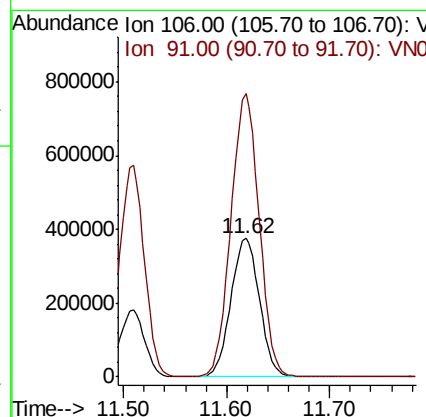
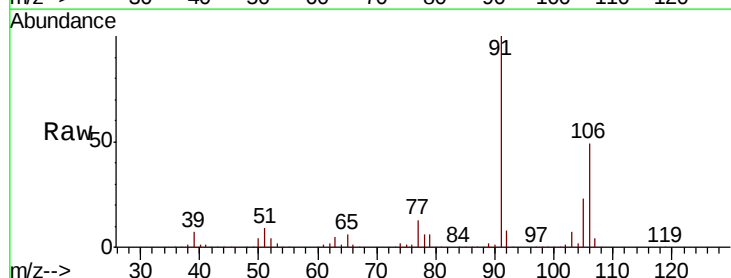
Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

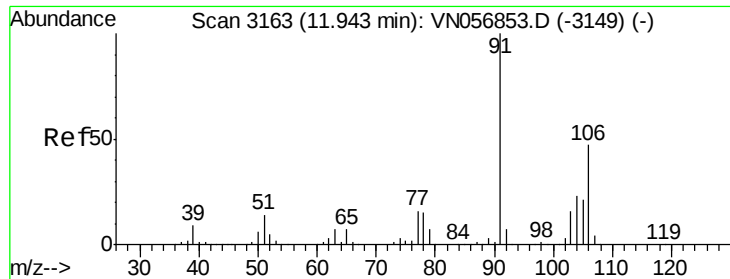
Tot Ion: 91 Resp: 964737
Ion Ratio Lower Upper
91 100
106 31.8 25.3 37.9



#68
m/p-Xylenes
Concen: 105.754 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 106 Resp: 724187
Ion Ratio Lower Upper
106 100
91 202.2 160.5 240.7

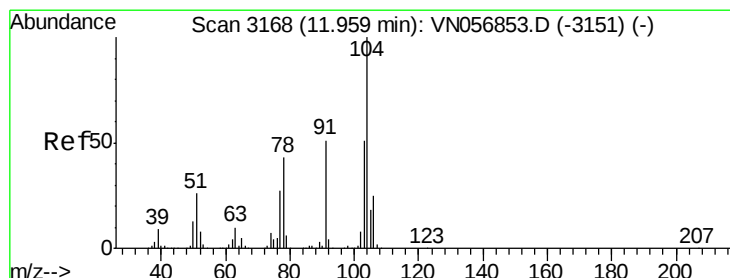
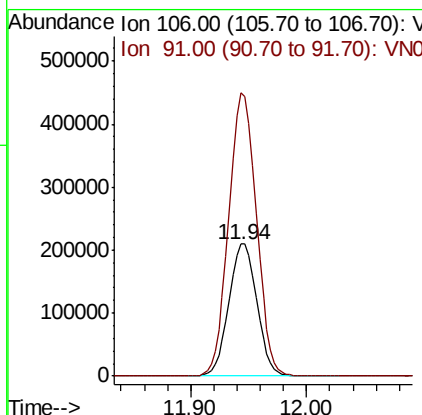
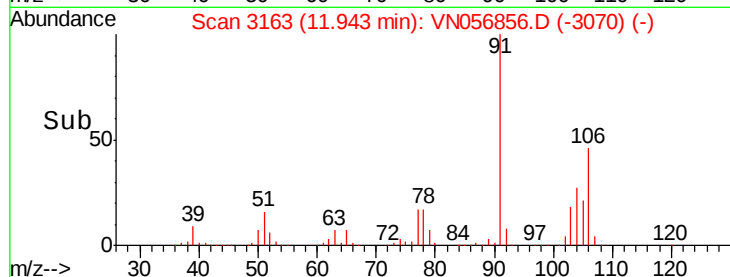
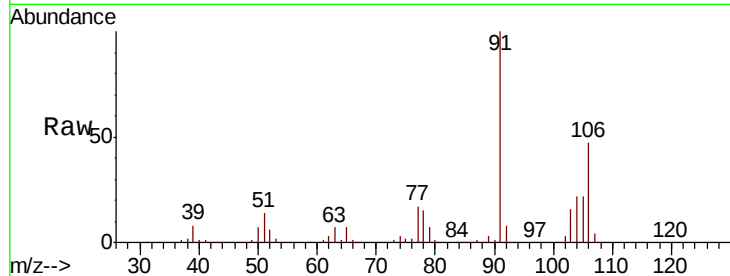




#69
o-Xylene
Concen: 52.335 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

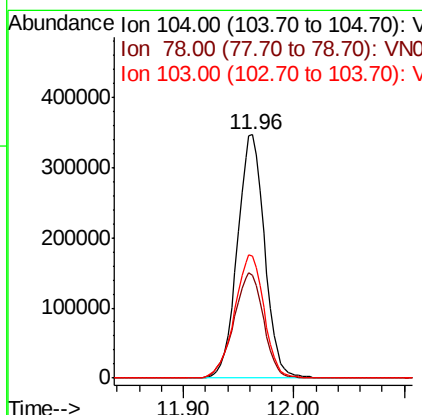
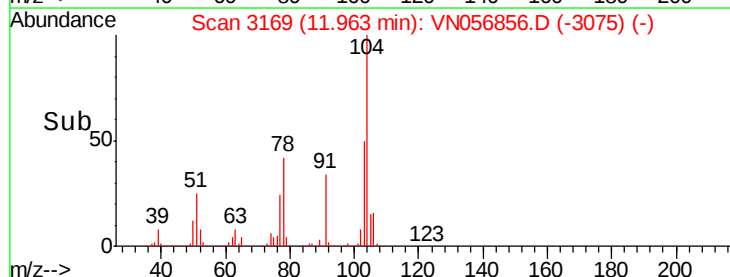
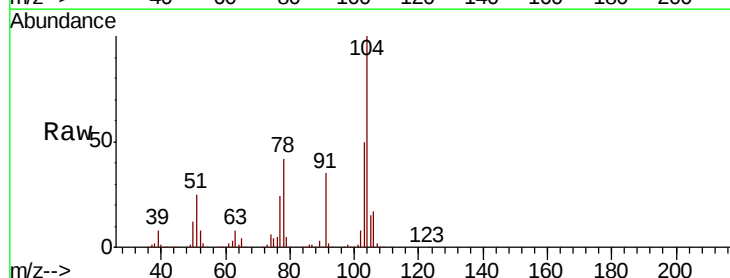
Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

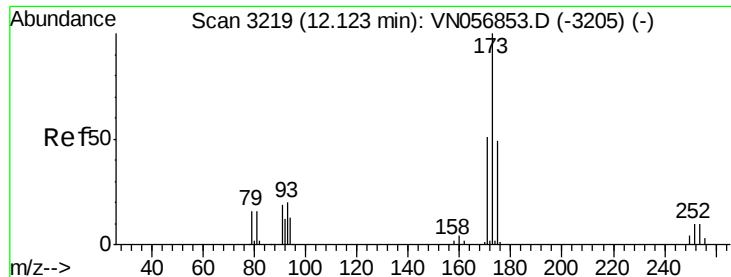
Tot Ion:106 Resp: 349853
Ion Ratio Lower Upper
106 100
91 212.5 105.1 315.3



#70
Styrene
Concen: 50.482 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion:104 Resp: 592234
Ion Ratio Lower Upper
104 100
78 47.6 38.1 57.1
103 55.1 44.2 66.4

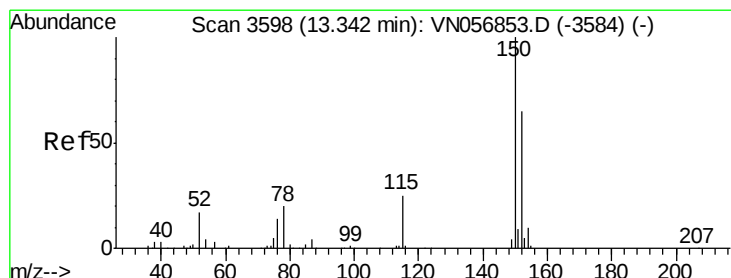
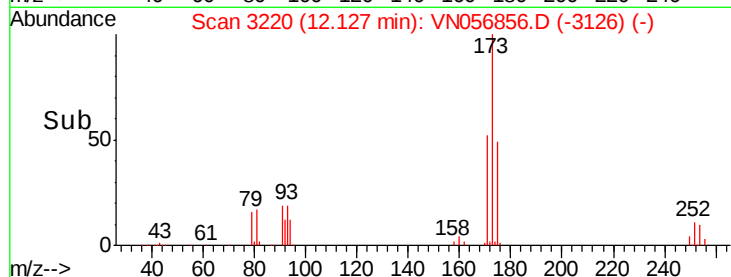
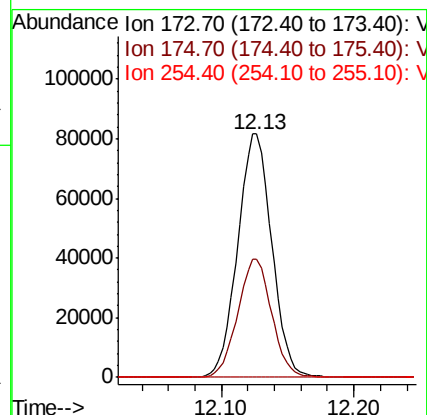
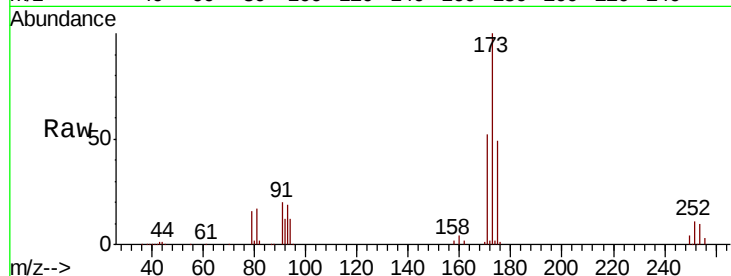




#71
Bromoform
Concen: 52.556 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

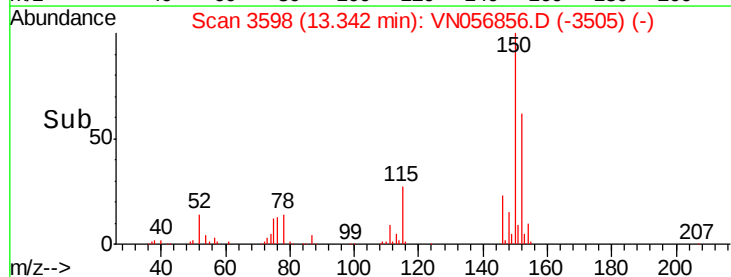
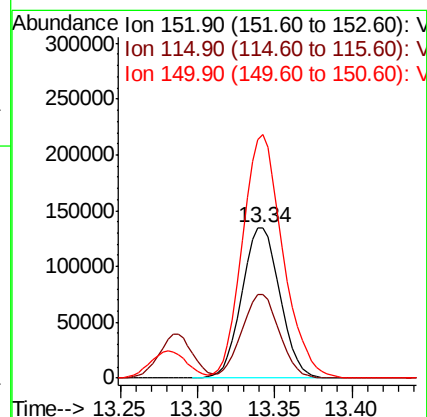
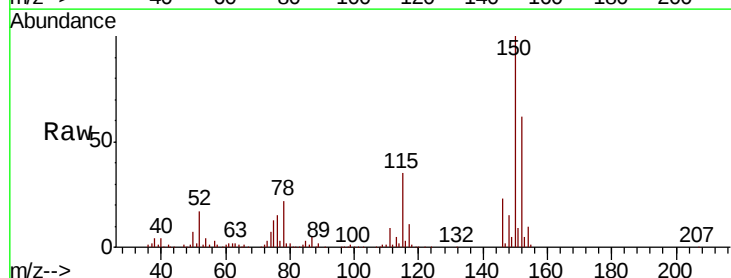
Instrument :
MSVOA_N
ClientSampled :
ICVVN072219

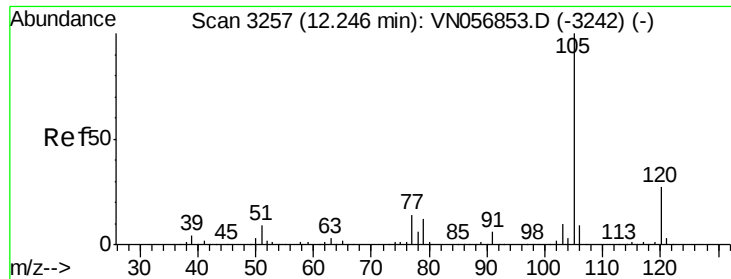
Tot Ion:173 Resp: 145486
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion:152 Resp: 230423
Ion Ratio Lower Upper
152 100
115 55.3 27.6 82.7
150 172.4 0.0 343.0





#73

Isopropylbenzene

Concen: 54.157 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

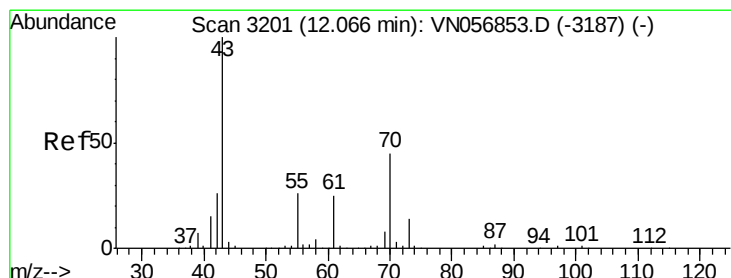
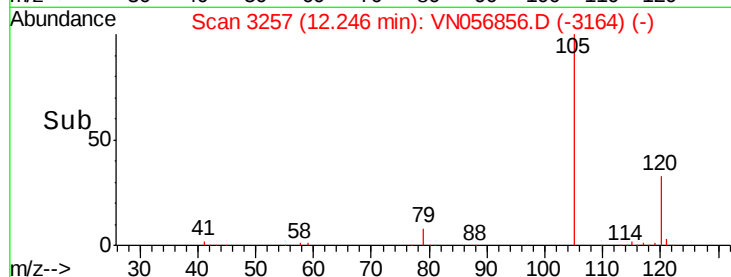
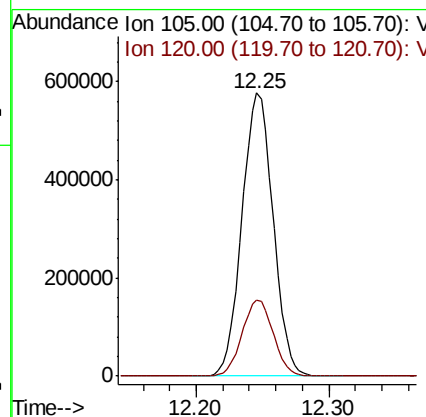
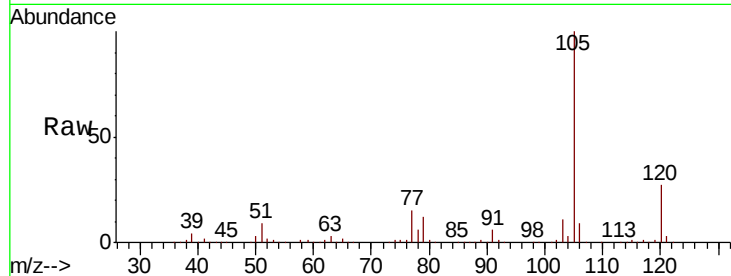
ICVVN072219

Tot Ion:105 Resp: 941943

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 47.139 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Tgt Ion: 43 Resp: 318917

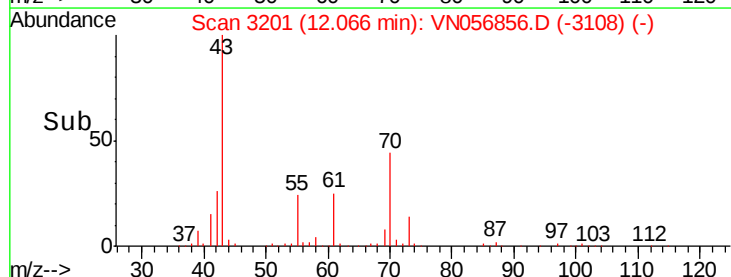
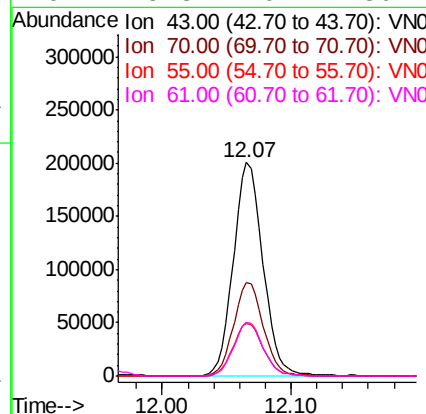
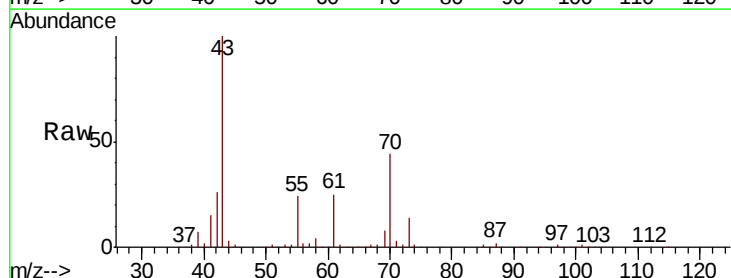
Ion Ratio Lower Upper

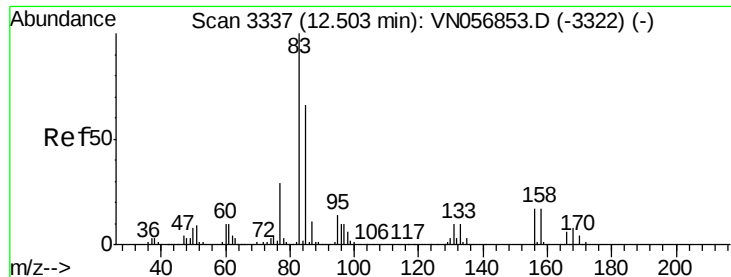
43 100

70 43.9 35.3 52.9

55 25.3 20.6 31.0

61 25.3 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.302 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

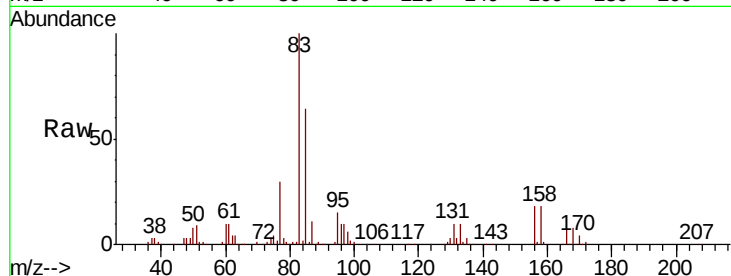
Tot Ion: 83 Resp: 255940

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.4

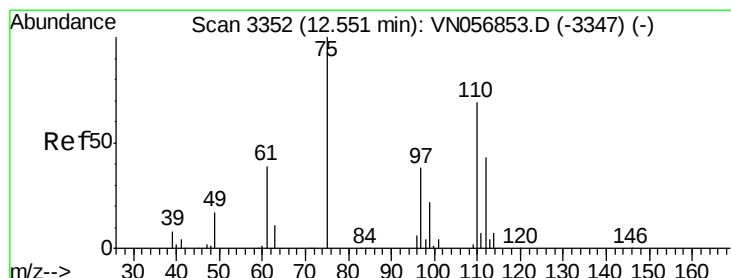
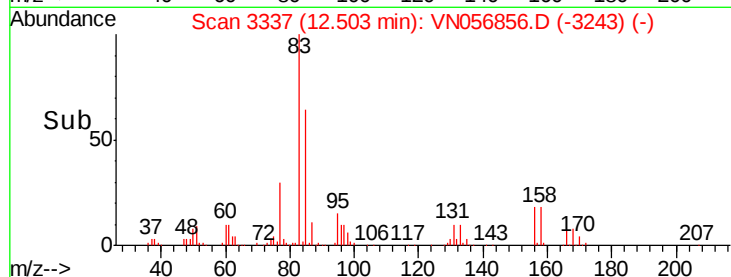
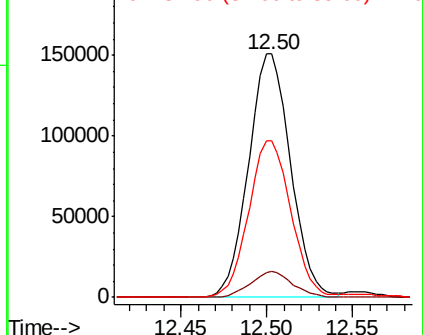
85 64.4 32.8 98.3



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: 67.282 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056856.D

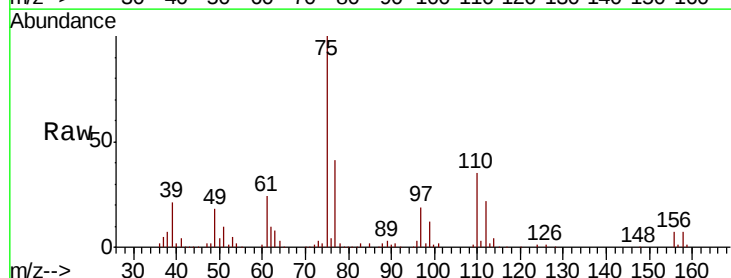
Acq: 22 Jul 2019 15:36

Tgt Ion: 75 Resp: 321295

Ion Ratio Lower Upper

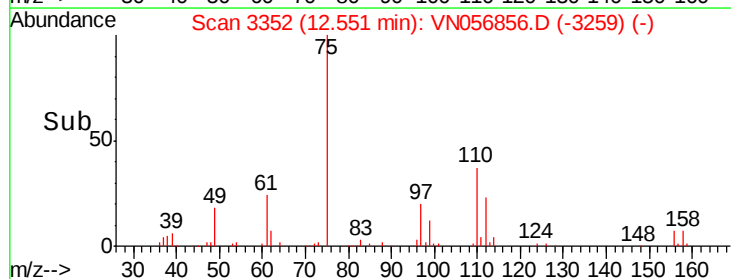
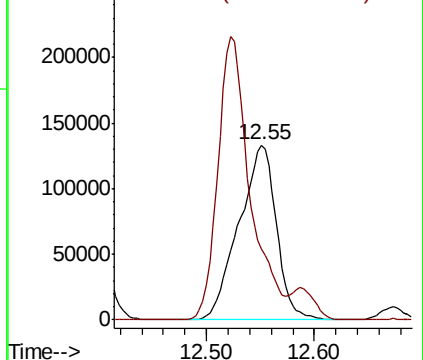
75 100

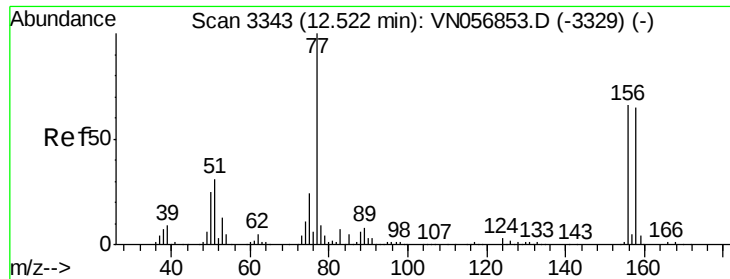
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.335 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

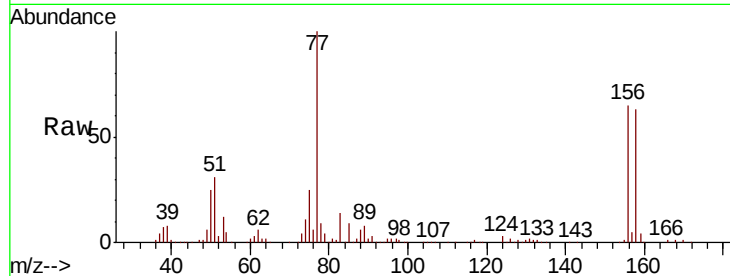
Tot Ion:156 Resp: 242938

Ion Ratio Lower Upper

156 100

77 183.9 90.7 272.1

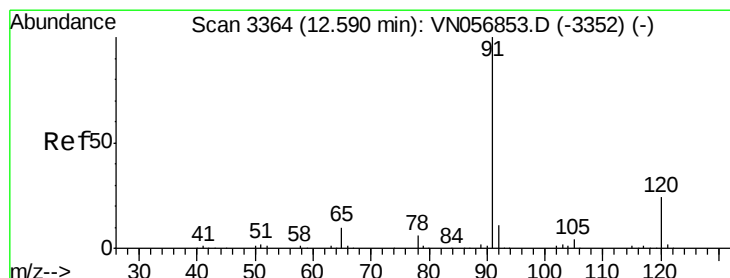
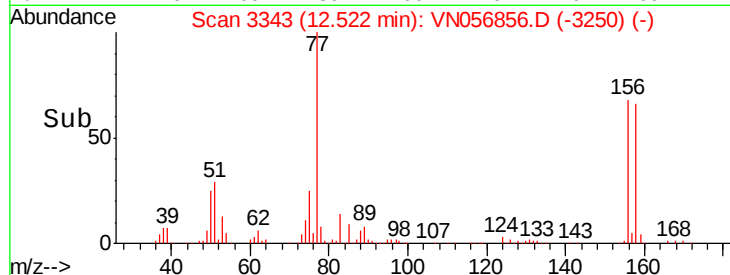
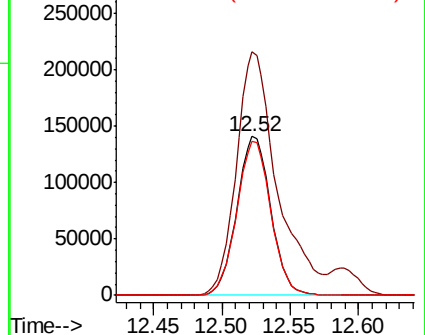
158 97.4 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.799 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056856.D

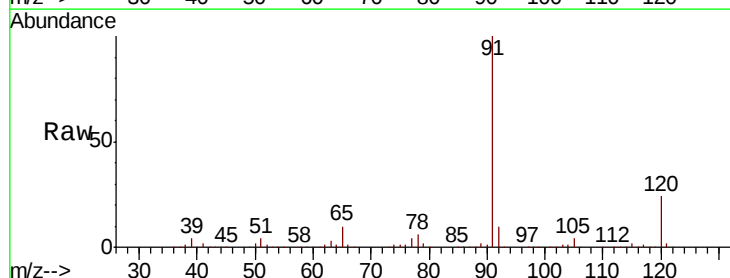
Acq: 22 Jul 2019 15:36

Tgt Ion: 91 Resp: 1054722

Ion Ratio Lower Upper

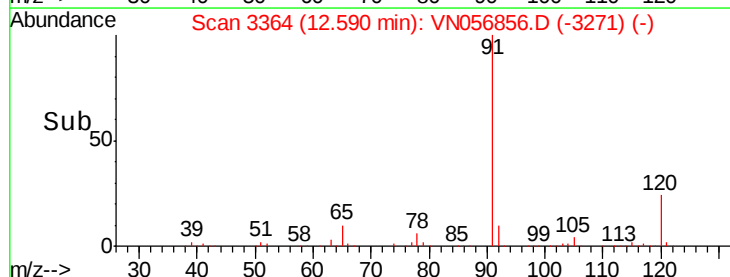
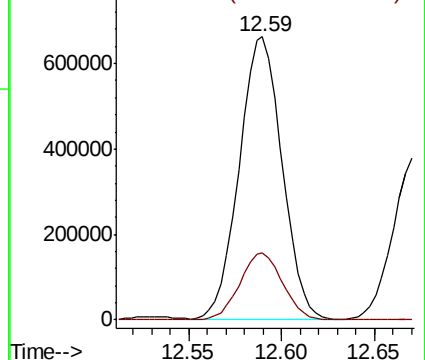
91 100

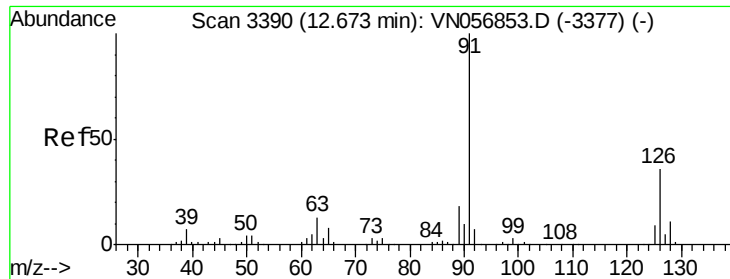
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

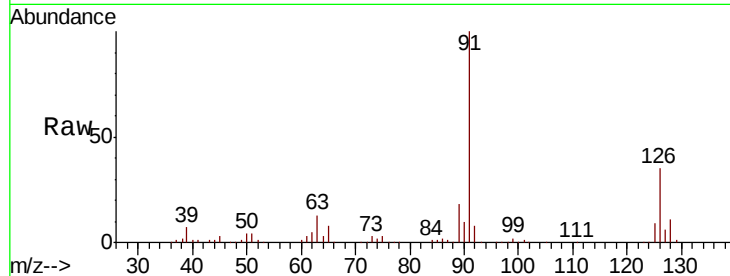




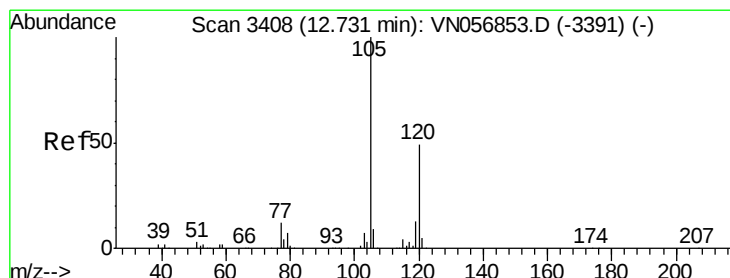
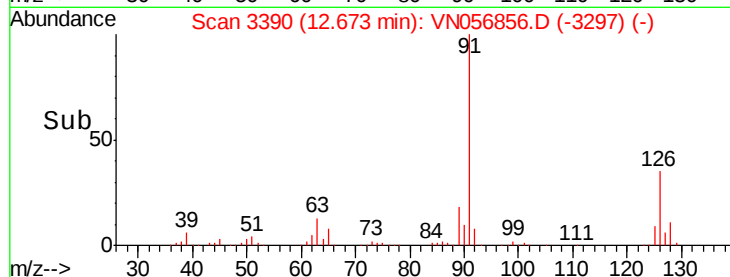
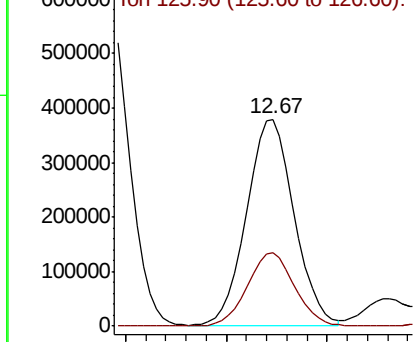
#79
2-Chlorotoluene
Concen: 53.632 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN072219

Tot Ion: 91 Resp: 621921
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.5

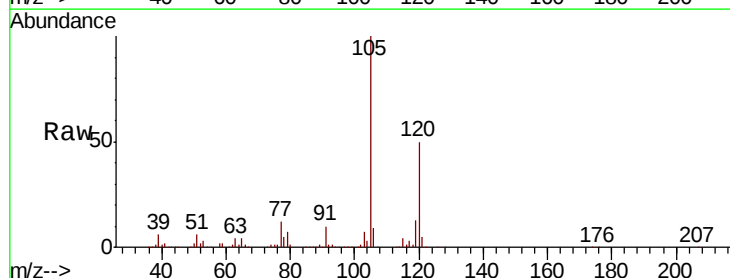


Abundance Ion 91.00 (90.70 to 91.70): VN056856.D (-3377) (-)
Ion 125.90 (125.60 to 126.60): VN056856.D (-3377) (-)

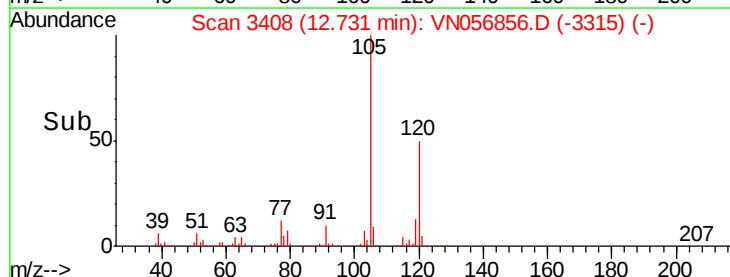
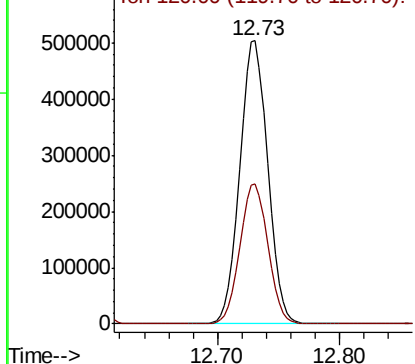


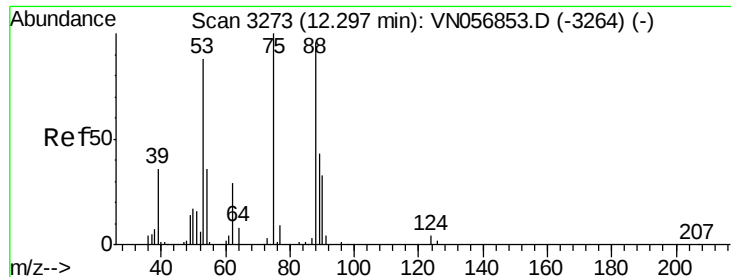
#80
1,3,5-Trimethylbenzene
Concen: 53.843 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN056856.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 105 Resp: 792304
Ion Ratio Lower Upper
105 100
120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056856.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN056856.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.197 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

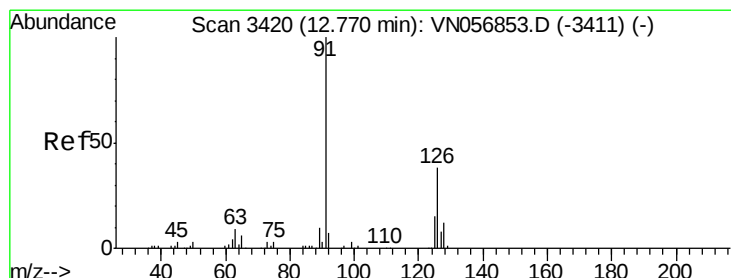
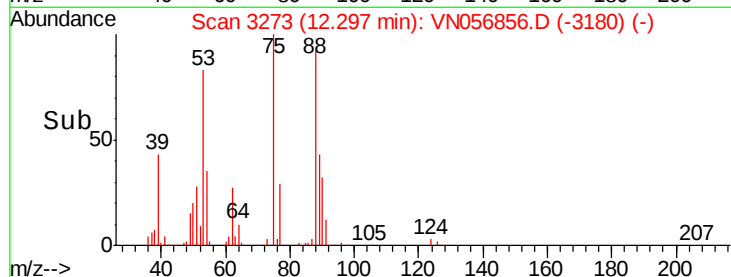
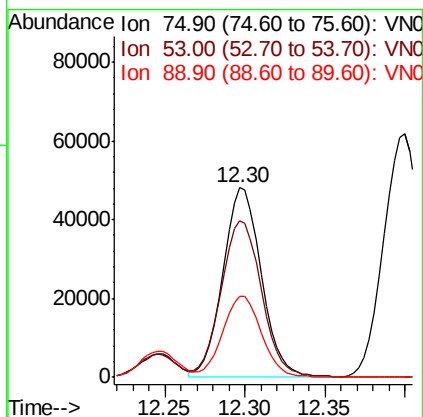
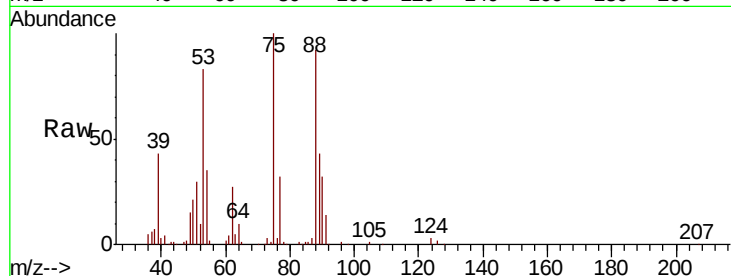
Tot Ion: 75 Resp: 79316

Ion Ratio Lower Upper

75 100

53 87.2 72.3 108.5

89 43.3 36.2 54.4



#82

4-Chlorotoluene

Concen: 49.312 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056856.D

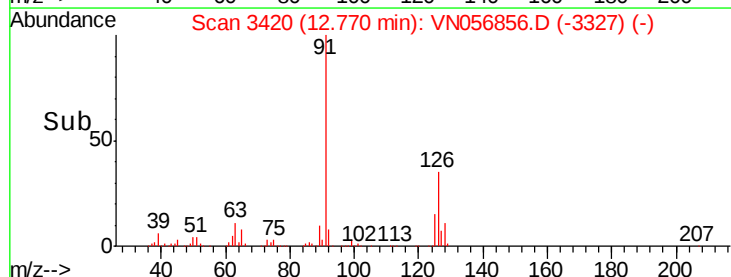
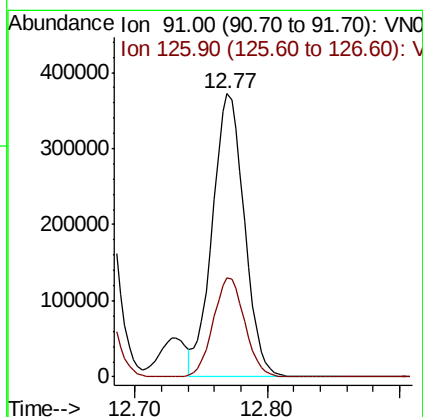
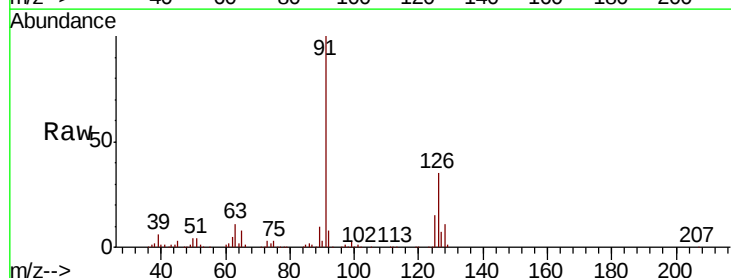
Acq: 22 Jul 2019 15:36

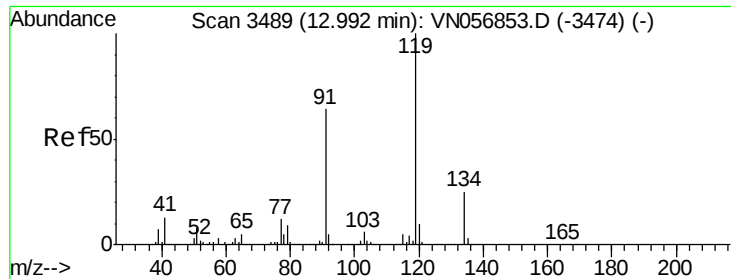
Tgt Ion: 91 Resp: 621370

Ion Ratio Lower Upper

91 100

126 34.6 17.3 52.0

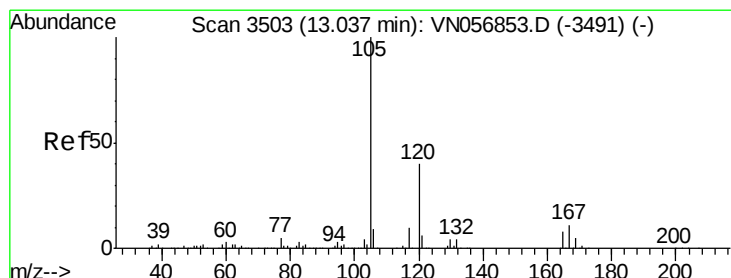
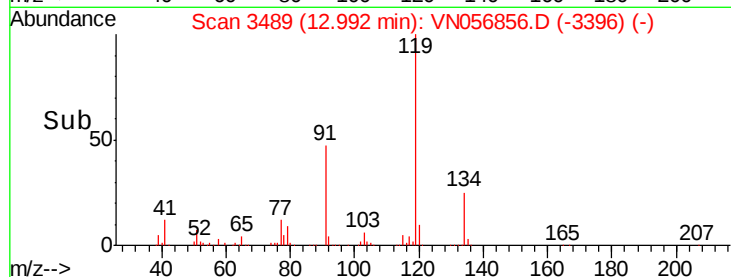
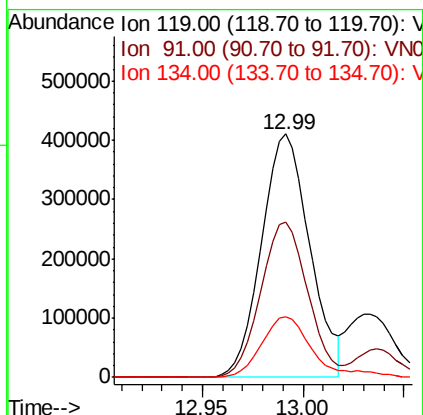
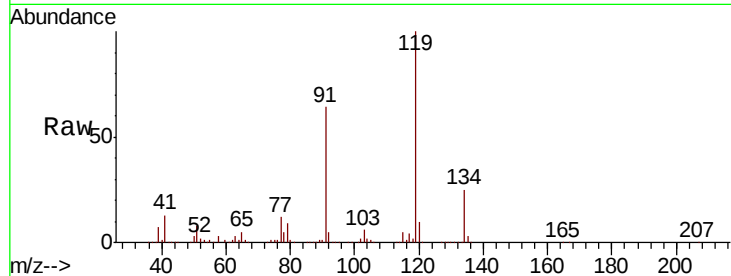




#83
 tert-Butylbenzene
 Concen: 53.640 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

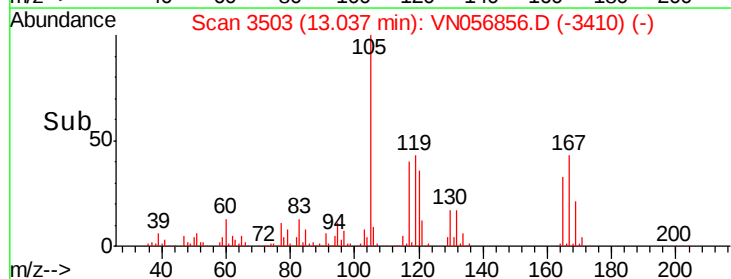
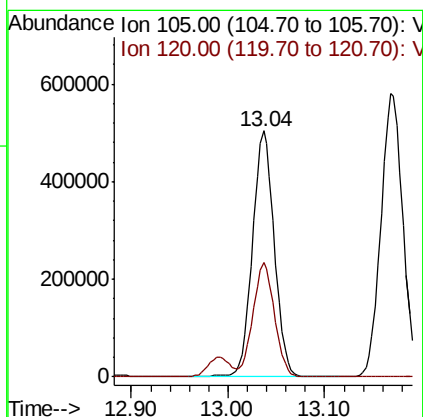
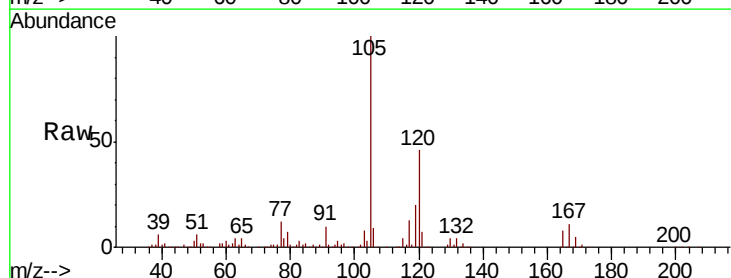
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN072219

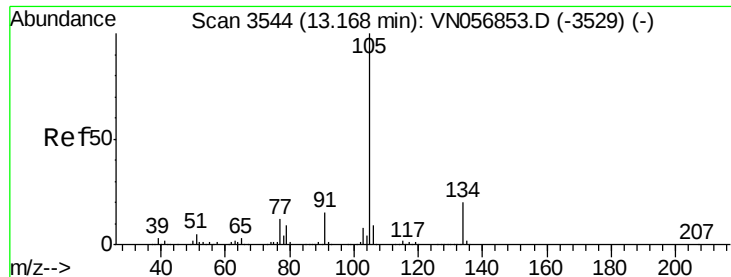
Tot Ion:119 Resp: 684415
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.5 94.5
 134 26.4 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.361 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion:105 Resp: 787971
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 48.607 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

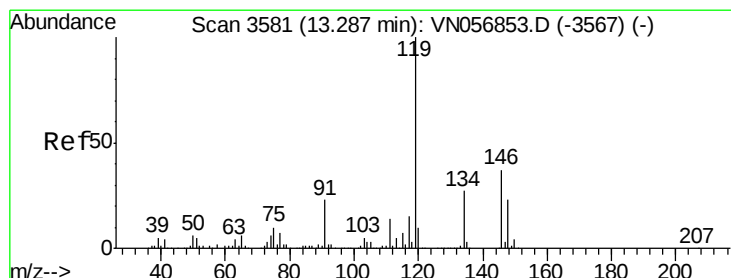
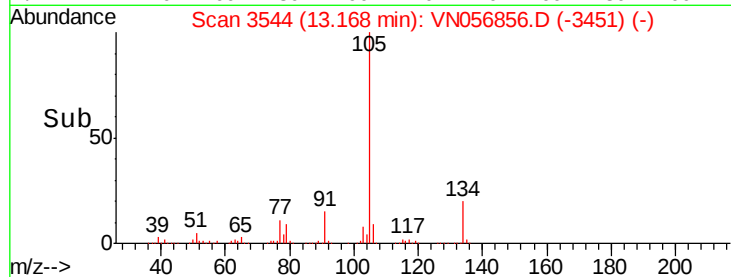
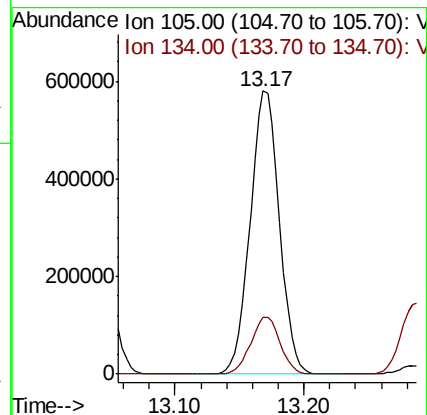
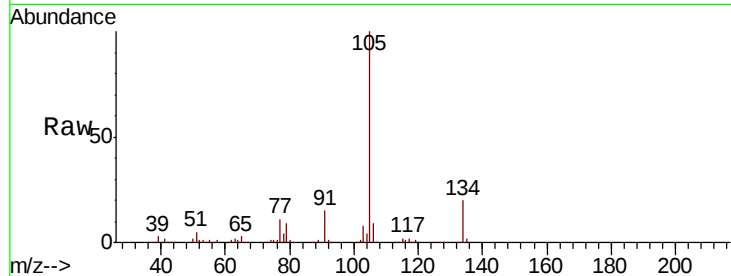
ICVVN072219

Tot Ion:105 Resp: 911836

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1



#86

p-Isopropyltoluene

Concen: 49.863 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

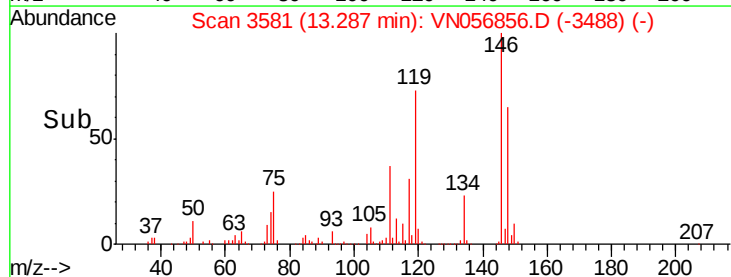
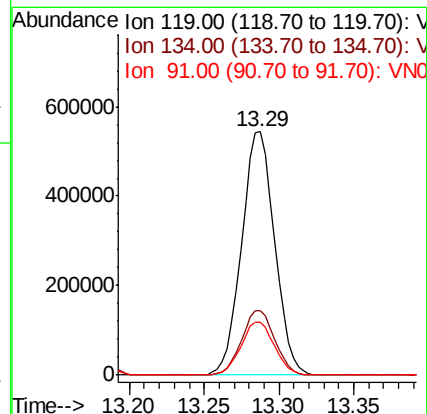
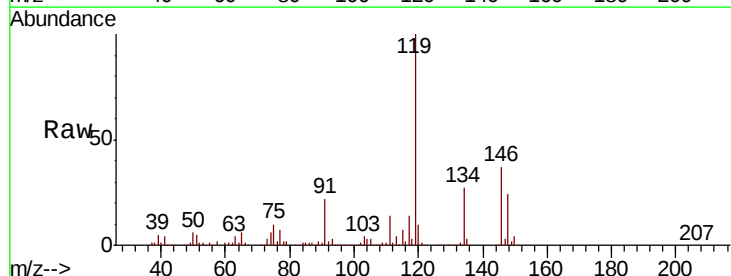
Tgt Ion:119 Resp: 833313

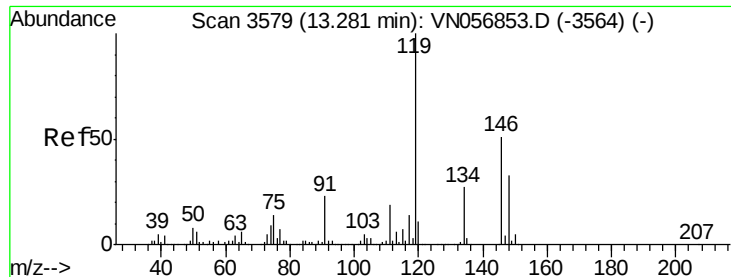
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 22.0 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 49.596 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

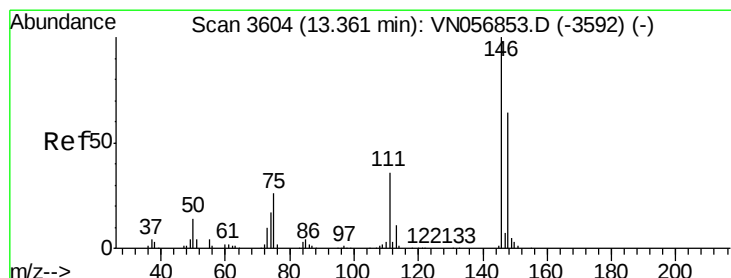
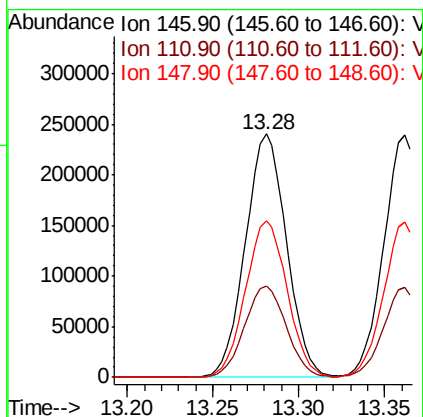
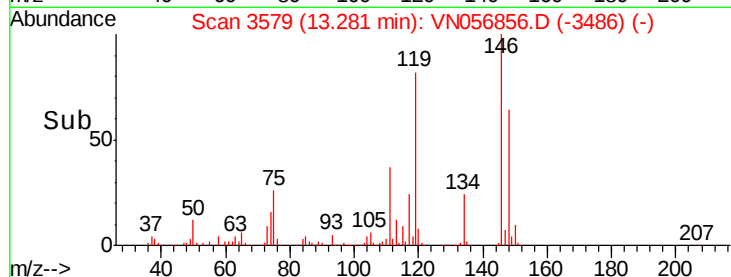
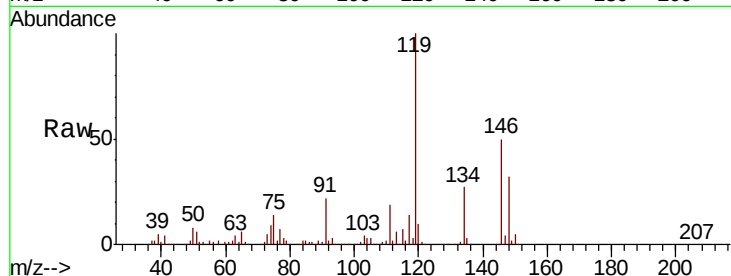
Tot Ion:146 Resp: 399584

Ion Ratio Lower Upper

146 100

111 37.9 18.9 56.5

148 64.9 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 49.878 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

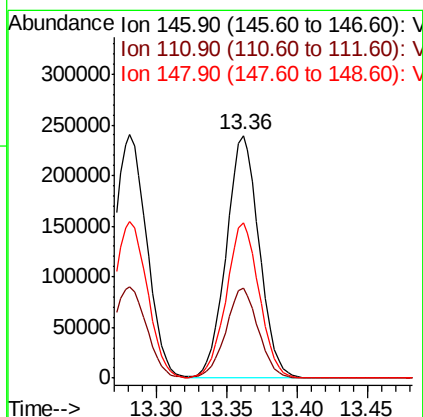
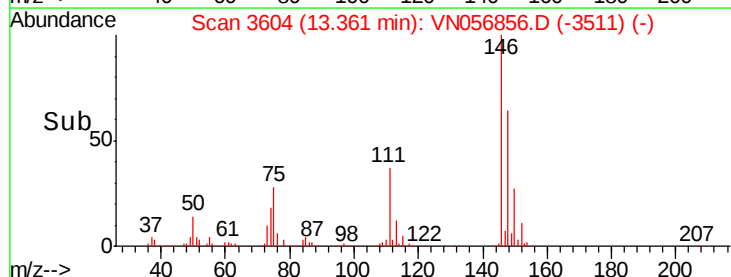
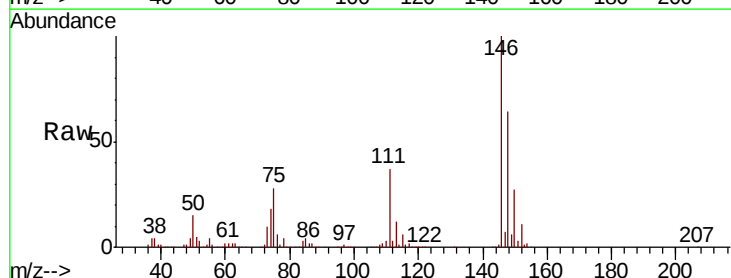
Tgt Ion:146 Resp: 390390

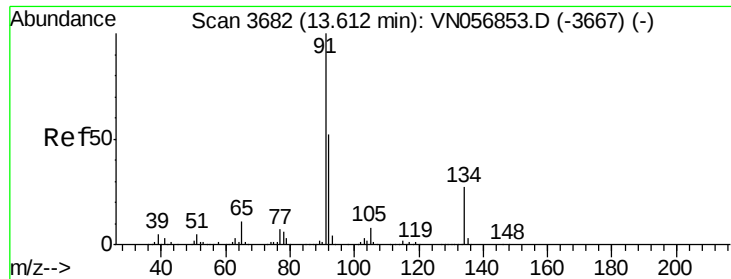
Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.9

148 64.1 32.1 96.3





#89

n-Butylbenzene

Concen: 53.431 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

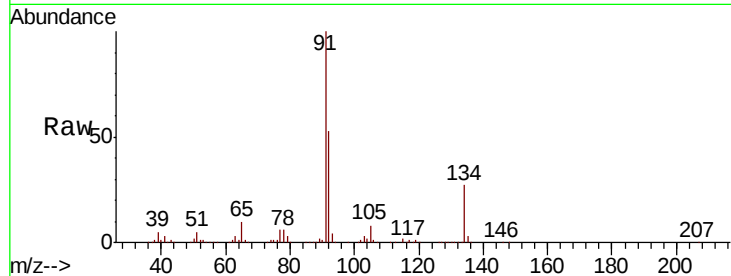
Tot Ion: 91 Resp: 686535

Ion Ratio Lower Upper

91 100

92 52.3 26.0 78.0

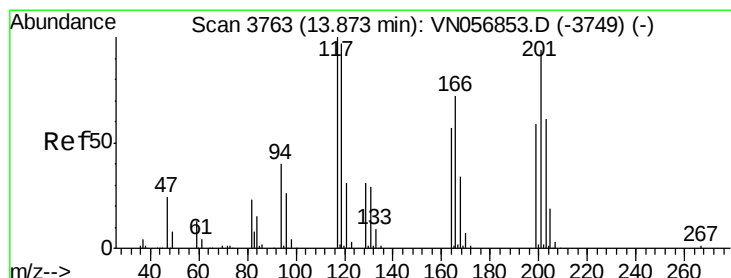
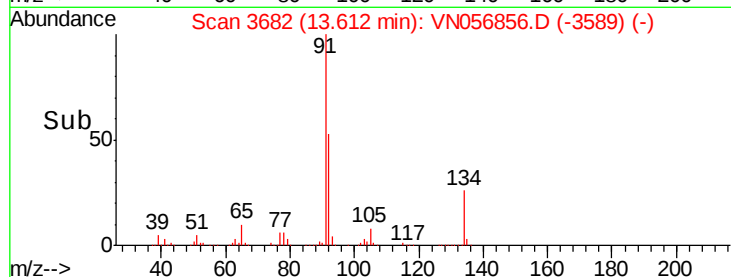
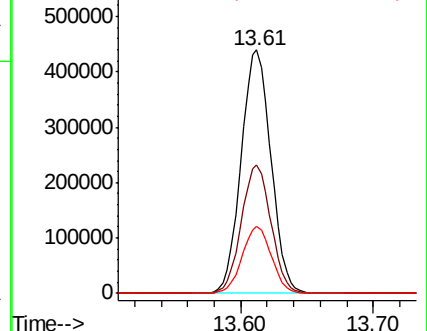
134 26.9 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VN056853.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN056853.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN056853.D (-3667) (-)



#90

Hexachloroethane

Concen: 47.055 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056856.D

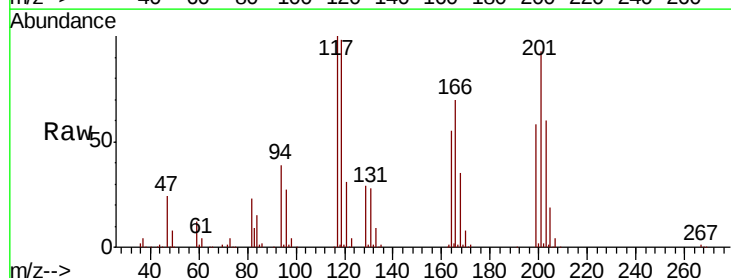
Acq: 22 Jul 2019 15:36

Tgt Ion: 117 Resp: 137294

Ion Ratio Lower Upper

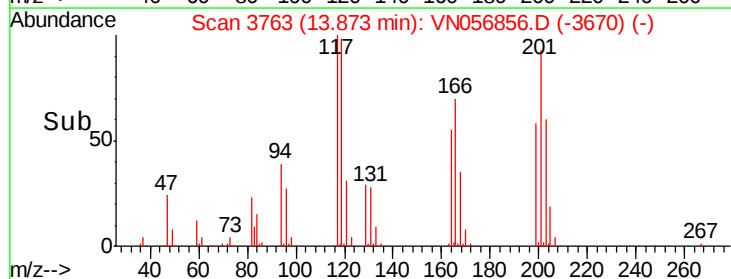
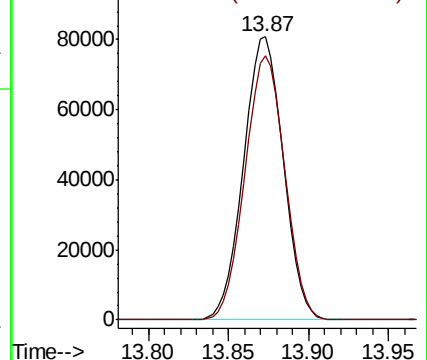
117 100

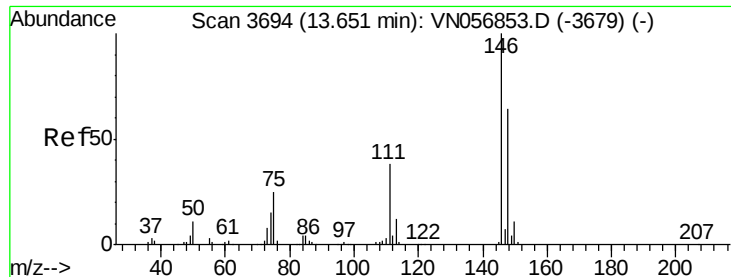
201 93.2 47.1 141.3



Abundance Ion 116.80 (116.50 to 117.50): VN056853.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056853.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 48.580 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

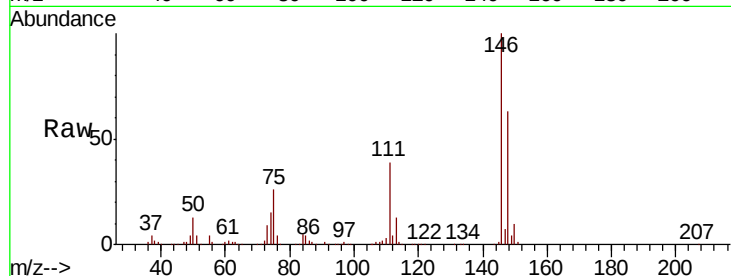
Tot Ion:146 Resp: 393393

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.5

148 63.6 32.1 96.5

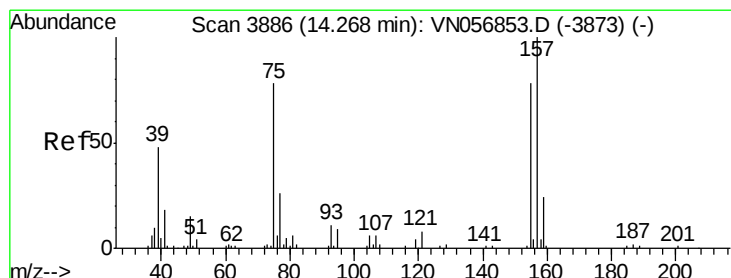
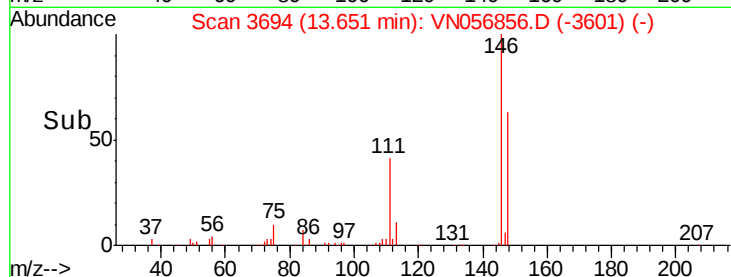
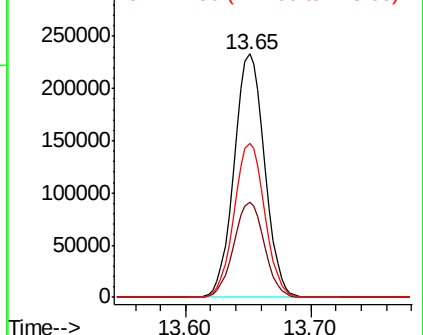


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.838 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

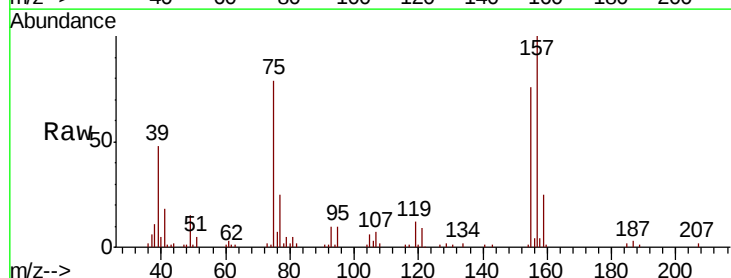
Tgt Ion: 75 Resp: 41296

Ion Ratio Lower Upper

75 100

155 96.8 49.9 149.6

157 127.4 64.8 194.4

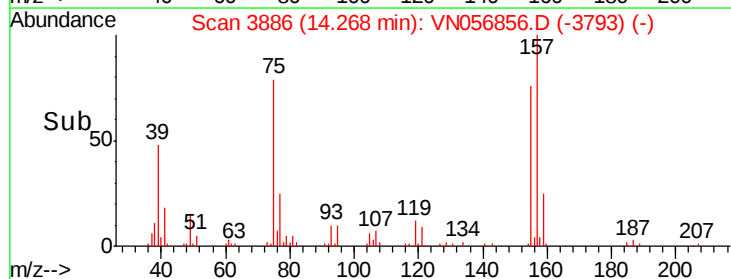
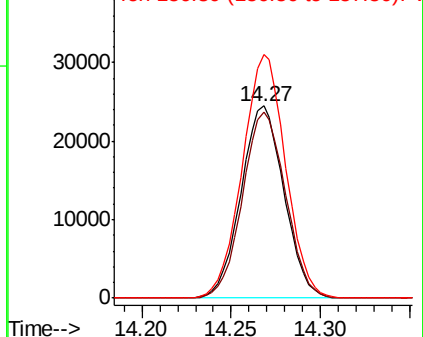


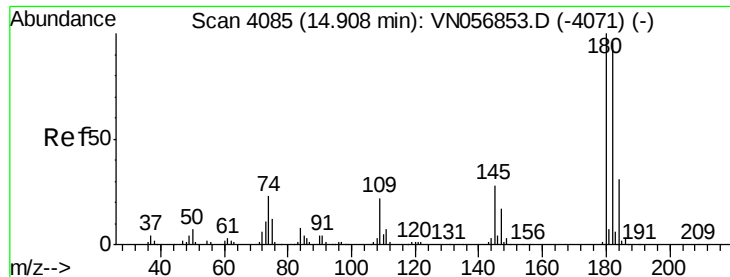
Abundance

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

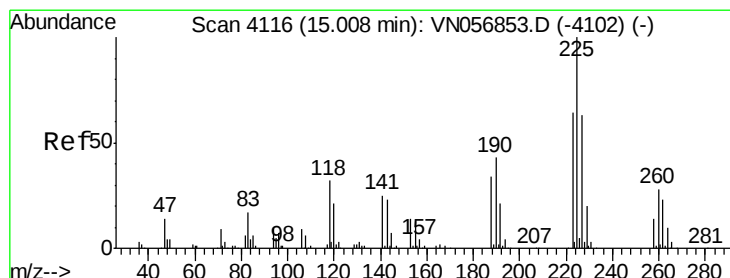
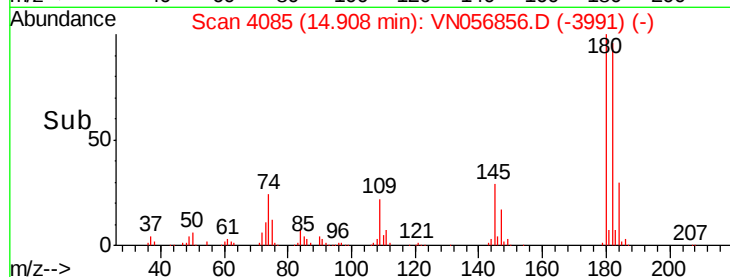
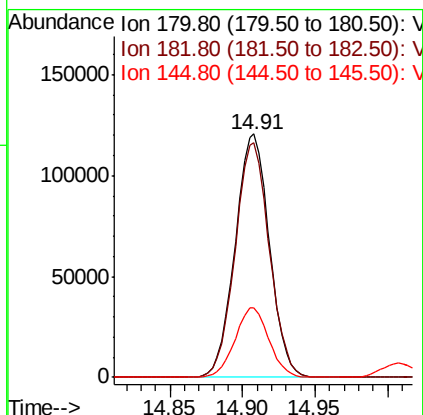
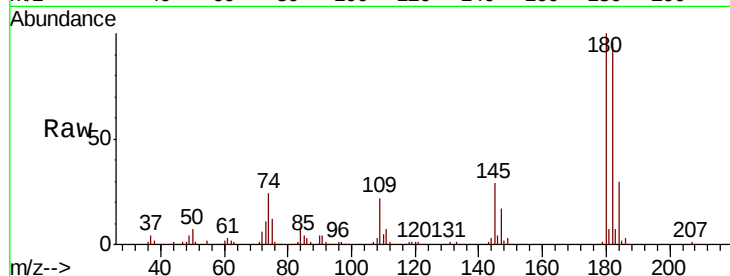




#93
 1,2,4-Trichlorobenzene
 Concen: 45.856 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

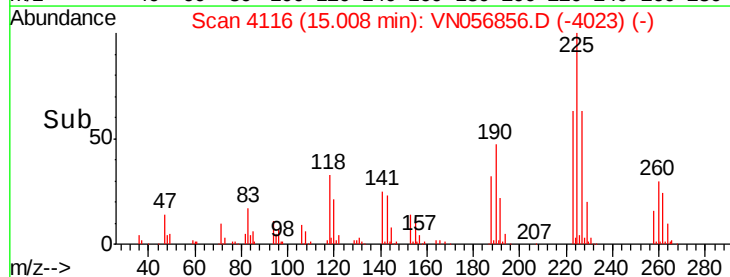
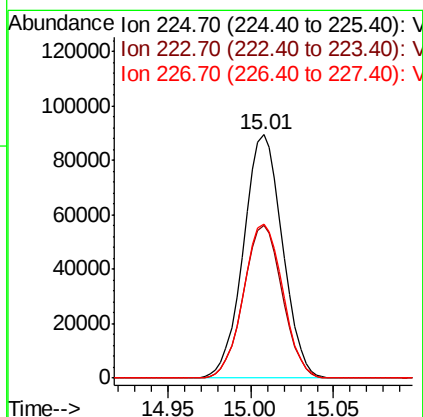
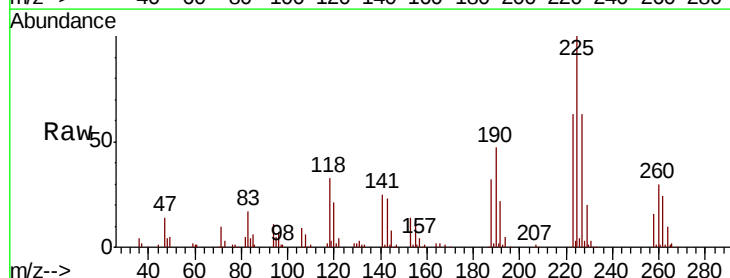
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072219

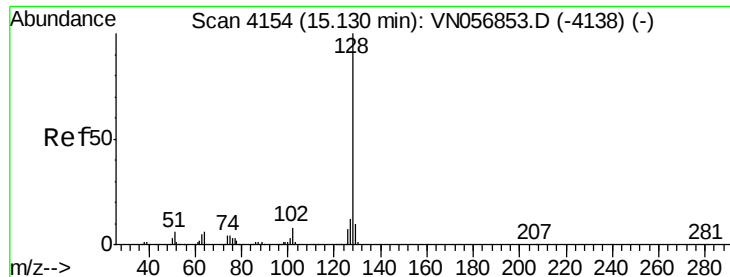
Tot Ion:180 Resp: 197966
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.9 143.7
 145 28.3 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 54.388 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056856.D
 Acq: 22 Jul 2019 15:36

Tgt Ion:225 Resp: 146267
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.5
 227 64.3 31.7 95.1





#95

Naphthalene

Concen: 45.371 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN072219

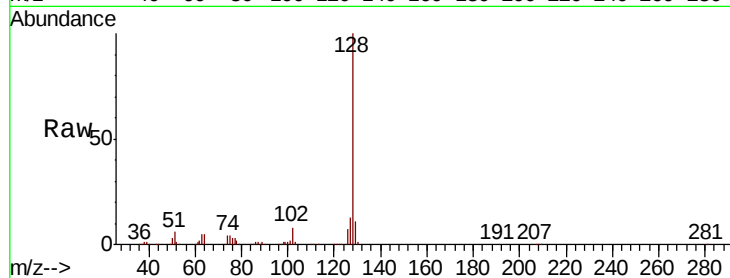
Tot Ion:128 Resp: 504695

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 11.0 8.5 12.7

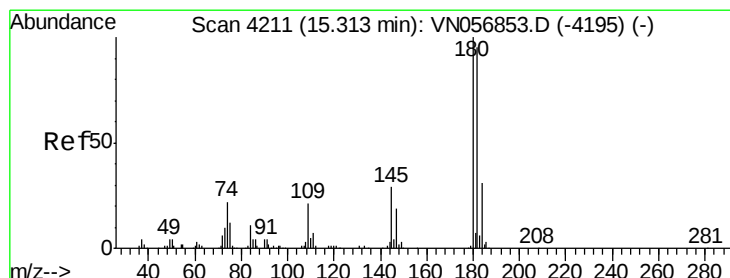
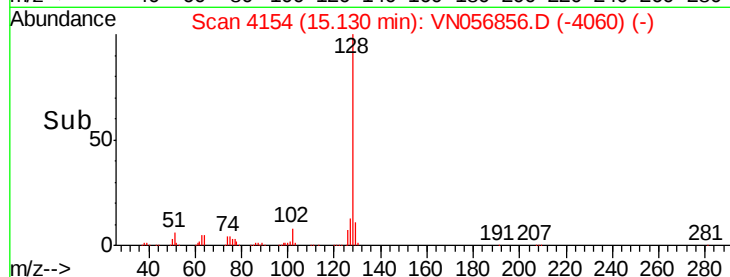
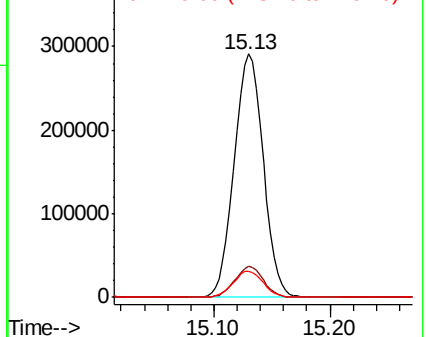


Abundance

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: 47.418 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056856.D

Acq: 22 Jul 2019 15:36

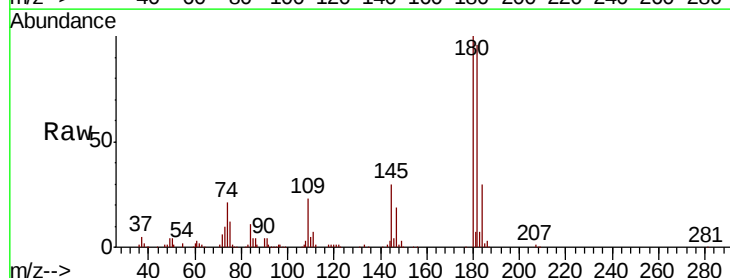
Tgt Ion:180 Resp: 210143

Ion Ratio Lower Upper

180 100

182 96.0 48.1 144.3

145 30.2 14.7 44.1



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

