

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061133.D
 Acq On : 22 Apr 2020 17:39
 Operator : JC/MD
 Sample : VN0422WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 07:34:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	196232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	320712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	294774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	142819	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.77	65	129237	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	7.31	113	94052	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	9.88	98	388805	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.21	95	143641	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.72	85	37815	20.724	ug/l	99
3) Chloromethane	1.91	50	41883	18.793	ug/l	100
4) Vinyl Chloride	2.03	62	51021	18.864	ug/l	95
5) Bromomethane	2.39	94	25127	19.115	ug/l	98
6) Chloroethane	2.52	64	26354	18.445	ug/l	99
7) Trichlorofluoromethane	2.82	101	58765	20.380	ug/l	97
8) Diethyl Ether	3.18	74	24626	18.486	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.51	101	38067	19.755	ug/l	99
10) Methyl Iodide	3.69	142	53889	19.392	ug/l	99
11) Tert butyl alcohol	4.44	59	25354	75.620	ug/l	98
12) 1,1-Dichloroethene	3.49	96	38387	19.568	ug/l	98
13) Acrolein	3.36	56	21255	82.967	ug/l	98
14) Allyl chloride	4.03	41	60493	22.277	ug/l	98
15) Acrylonitrile	4.64	53	93020	89.546	ug/l	99
16) Acetone	3.55	43	86237	88.069	ug/l	99
17) Carbon Disulfide	3.79	76	108827	18.551	ug/l	99
18) Methyl Acetate	4.02	43	53272	16.912	ug/l	99
19) Methyl tert-butyl Ether	4.70	73	129762	18.727	ug/l	99
20) Methylene Chloride	4.24	84	41822	18.397	ug/l	98
21) trans-1,2-Dichloroethene	4.70	96	41842	17.800	ug/l	92
22) Diisopropyl ether	5.62	45	134682	18.763	ug/l	99
23) Vinyl Acetate	5.55	43	539774	93.834	ug/l	99
24) 1,1-Dichloroethane	5.51	63	75738	19.068	ug/l	99
25) 2-Butanone	6.51	43	122930	86.696	ug/l	99
26) 2,2-Dichloropropane	6.50	77	68978	19.284	ug/l	99
27) cis-1,2-Dichloroethene	6.51	96	47847	18.339	ug/l	99
28) Bromochloromethane	6.89	49	30060	17.614	ug/l	97
29) Tetrahydrofuran	6.90	42	85347	87.430	ug/l	99
30) Chloroform	7.08	83	77061	19.185	ug/l	98
31) Cyclohexane	7.38	56	75219	18.830	ug/l	98
32) 1,1,1-Trichloroethane	7.29	97	68809	19.208	ug/l	100
36) 1,1-Dichloropropene	7.52	75	59792	19.076	ug/l	99
37) Ethyl Acetate	6.61	43	56127	17.867	ug/l	100
38) Carbon Tetrachloride	7.50	117	51693	18.839	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	73598	19.204	ug/l	98
40) Benzene	7.78	78	172407	18.577	ug/l	99
41) Methacrylonitrile	6.90	41	78518	52.647	ug/l #	23
42) 1,2-Dichloroethane	7.87	62	62686	18.956	ug/l	99
43) Isopropyl Acetate	7.92	43	95731	17.943	ug/l	99
44) Trichloroethene	8.61	130	51740	19.175	ug/l	96
45) 1,2-Dichloropropane	8.89	63	45523	18.539	ug/l	98
46) Dibromomethane	8.98	93	29458	18.721	ug/l	96
47) Bromodichloromethane	9.18	83	60017	19.350	ug/l	98
48) Methyl methacrylate	8.98	41	42942	17.094	ug/l	97
49) 1,4-Dioxane	8.98	88	8499	269.960	ug/l #	93
51) 4-Methyl-2-Pentanone	9.78	43	277836	89.219	ug/l	100
52) Toluene	9.95	92	110038	18.939	ug/l	100
53) t-1,3-Dichloropropene	10.18	75	70173	18.488	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	74547	18.879	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	42523	18.996	ug/l	98
56) Ethyl methacrylate	10.24	69	62359	18.281	ug/l	98
57) 1,3-Dichloropropane	10.51	76	71153	18.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	164636	93.610	ug/l	100
59) 2-Hexanone	10.56	43	199903	86.893	ug/l	100
60) Dibromochloromethane	10.71	129	43690	18.665	ug/l	99
61) 1,2-Dibromoethane	10.81	107	43651	18.922	ug/l	99
64) Tetrachloroethene	10.43	164	58436	19.365	ug/l	99
65) Chlorobenzene	11.24	112	114448	19.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.32	131	40817	19.220	ug/l	100
67) Ethyl Benzene	11.32	91	213782	19.158	ug/l	100
68) m/p-Xylenes	11.43	106	160643	38.551	ug/l	99
69) o-Xylene	11.76	106	76338	18.974	ug/l	99
70) Styrene	11.77	104	123414	18.941	ug/l	99
71) Bromoform	11.93	173	29952	18.708	ug/l #	97
73) Isopropylbenzene	12.06	105	206031	19.095	ug/l	100
74) N-amyl acetate	11.89	43	85518	17.632	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.32	83	55222	19.098	ug/l	100
76) 1,2,3-Trichloropropane	12.36	75	79851	24.239	ug/l #	100
77) Bromobenzene	12.34	156	49709	18.909	ug/l	99
78) n-propylbenzene	12.40	91	240303	18.988	ug/l	100
79) 2-Chlorotoluene	12.48	91	138175	18.803	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	171513	18.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	21492	17.133	ug/l	96
82) 4-Chlorotoluene	12.58	91	147330	18.897	ug/l	100
83) tert-Butylbenzene	12.81	119	147165	19.274	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	172371	19.036	ug/l	99
85) sec-Butylbenzene	12.99	105	196797	19.047	ug/l	100
86) p-Isopropyltoluene	13.10	119	178580	19.043	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	89586	19.228	ug/l	99
88) 1,4-Dichlorobenzene	13.17	146	90250	19.083	ug/l	99
89) n-Butylbenzene	13.43	91	161719	18.900	ug/l	99
90) Hexachloroethane	13.68	117	11759	15.359	ug/l	100
91) 1,2-Dichlorobenzene	13.46	146	84172	19.418	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	11324	18.042	ug/l	98

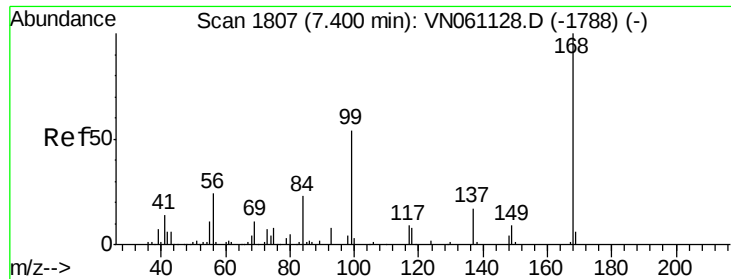
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	55830	19.257	ug/l	99
94) Hexachlorobutadiene	14.82	225	24754	19.579	ug/l	99
95) Naphthalene	14.93	128	168939	18.873	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	53501	19.204	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

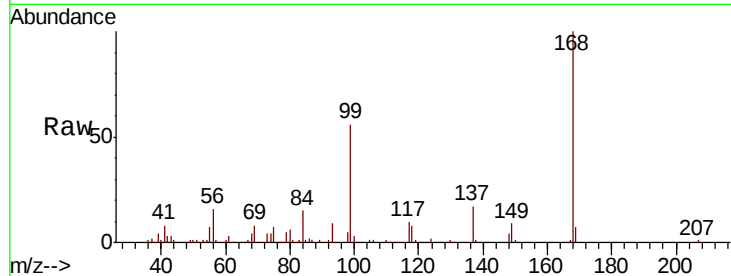
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:168 Resp: 196232

Ion Ratio Lower Upper

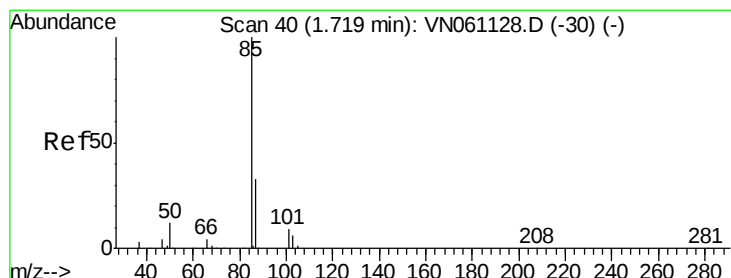
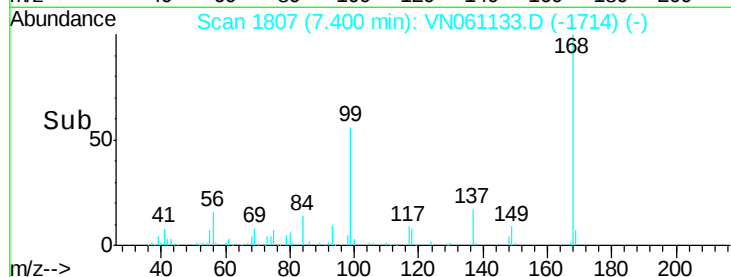
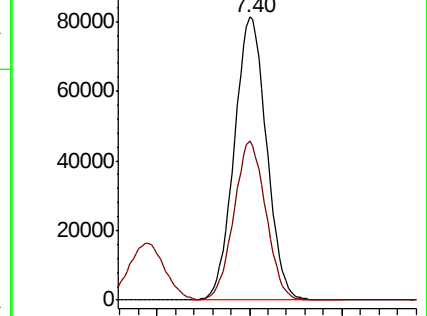
168 100

99 56.1 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.724 ug/l

RT: 1.72 min Scan# 40

Delta R.T. -0.00 min

Lab File: VN061133.D

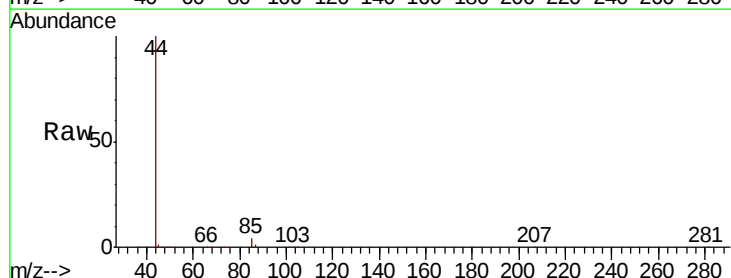
Acq: 22 Apr 2020 17:39

Tgt Ion: 85 Resp: 37815

Ion Ratio Lower Upper

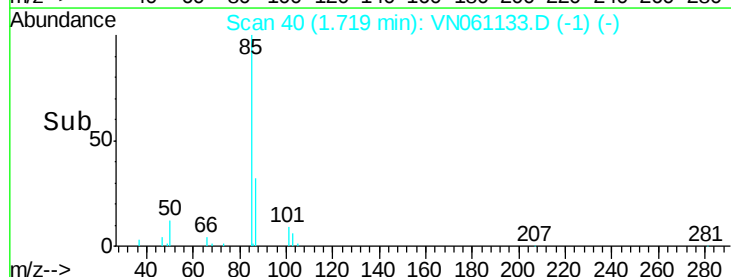
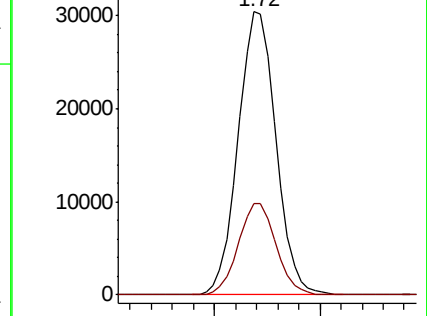
85 100

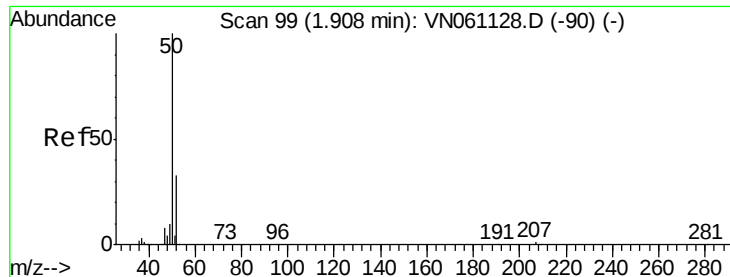
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.793 ug/l

RT: 1.91 min Scan# 100

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

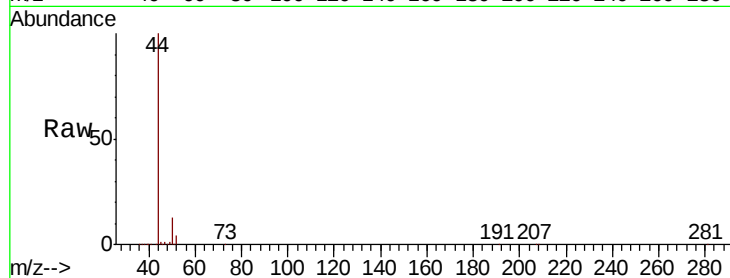
ClientSampleId :

Tot Ion: 50 Resp: 41883

Ion Ratio Lower Upper

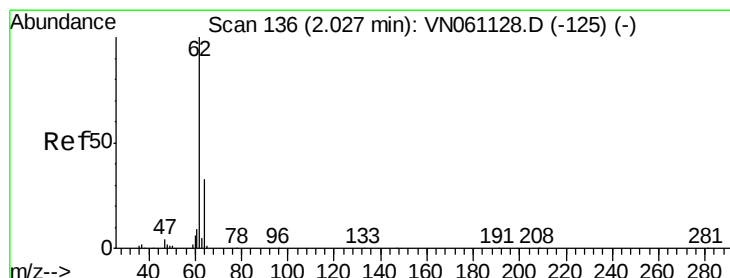
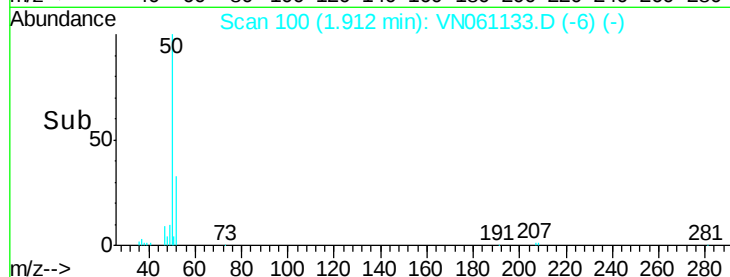
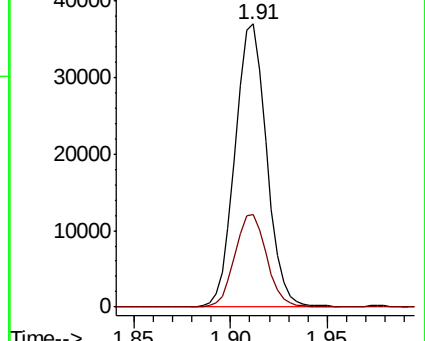
50 100

52 32.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.864 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061133.D

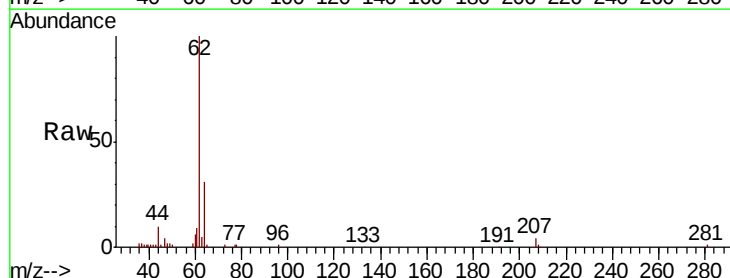
Acq: 22 Apr 2020 17:39

Tgt Ion: 62 Resp: 51021

Ion Ratio Lower Upper

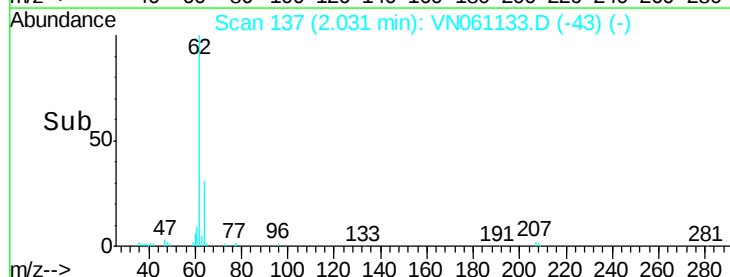
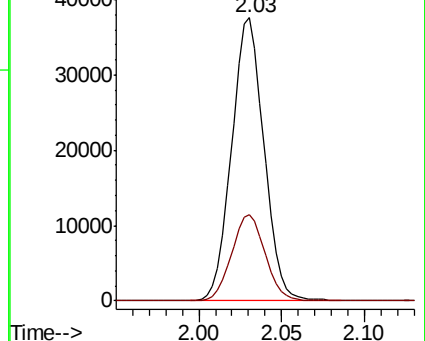
62 100

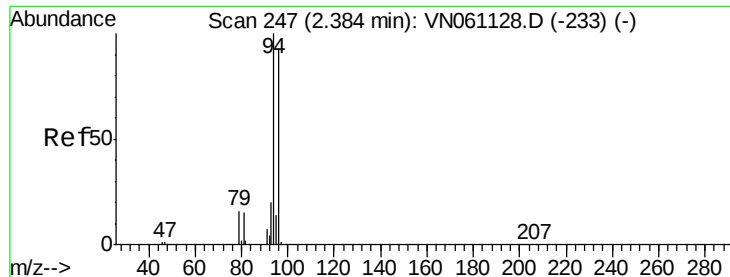
64 30.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.115 ug/l

RT: 2.39 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

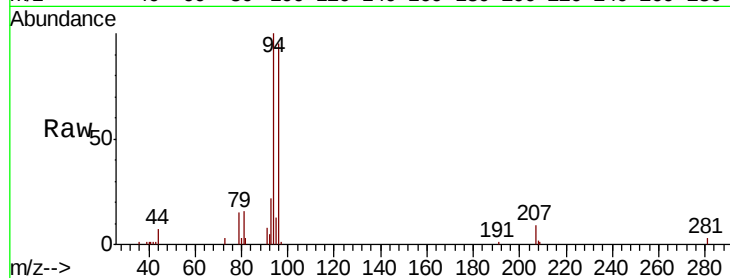
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 94 Resp: 25127

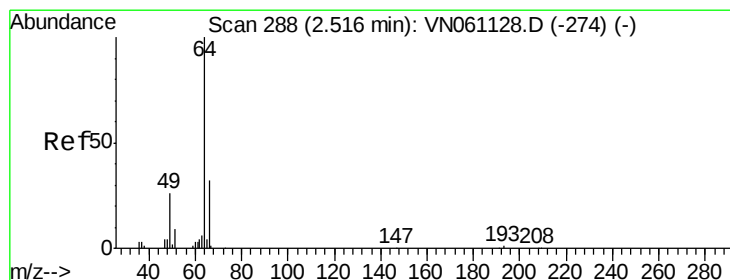
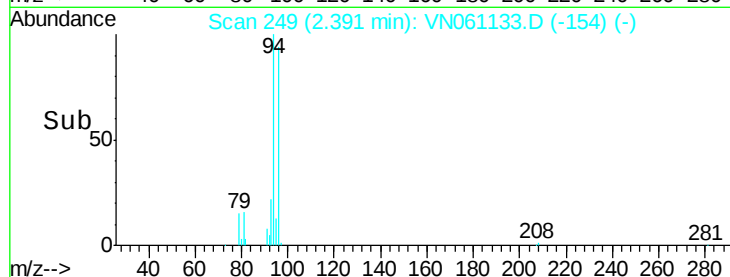
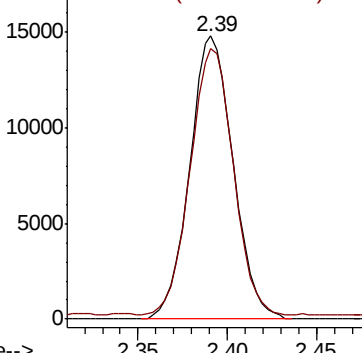
Ion Ratio Lower Upper

94 100

96 93.9 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: 18.445 ug/l

RT: 2.52 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN061133.D

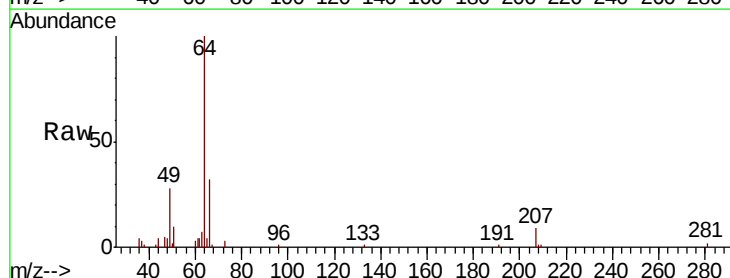
Acq: 22 Apr 2020 17:39

Tgt Ion: 64 Resp: 26354

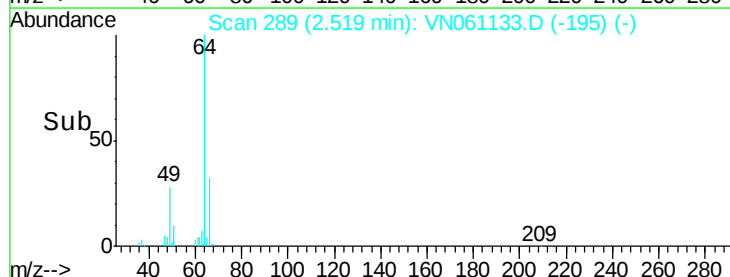
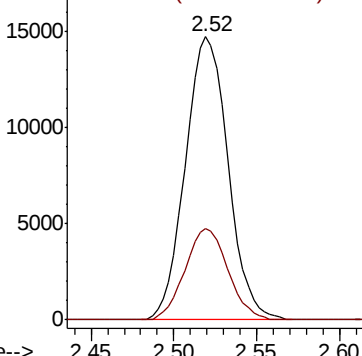
Ion Ratio Lower Upper

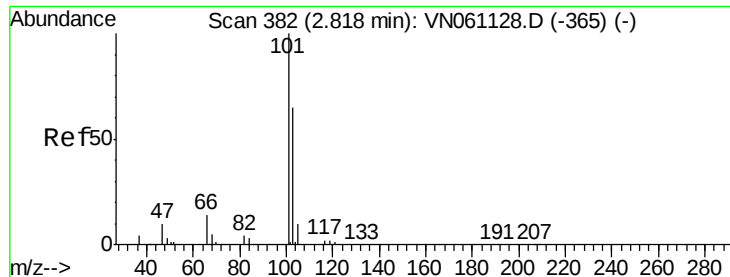
64 100

66 32.2 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



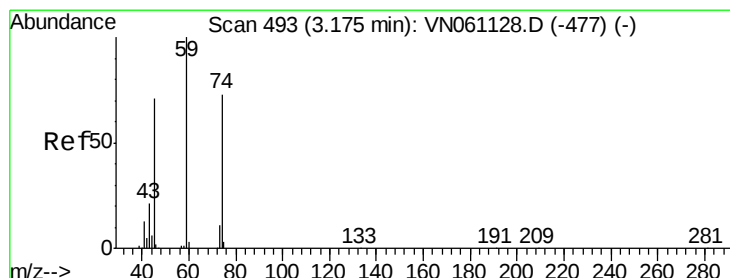
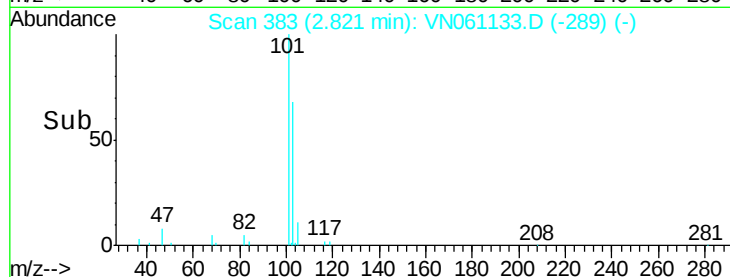
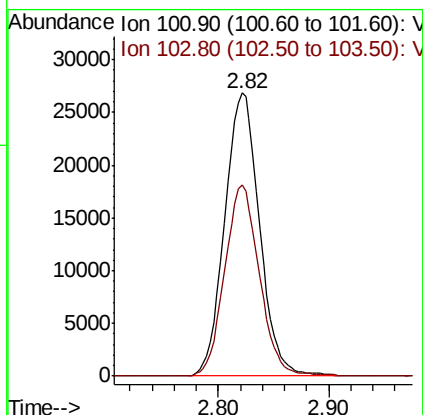
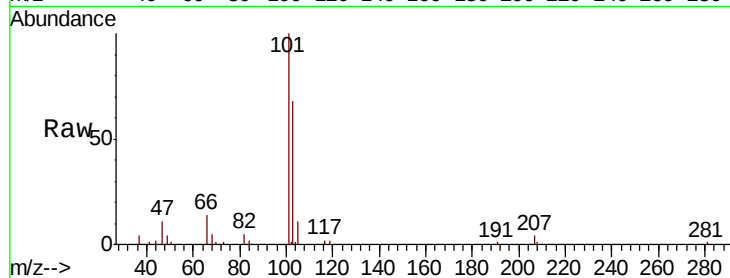


#7

Trichlorofluoromethane
 Concen: 20.380 ug/l
 RT: 2.82 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Instrument :
 MSVOA_V
 ClientSampled :

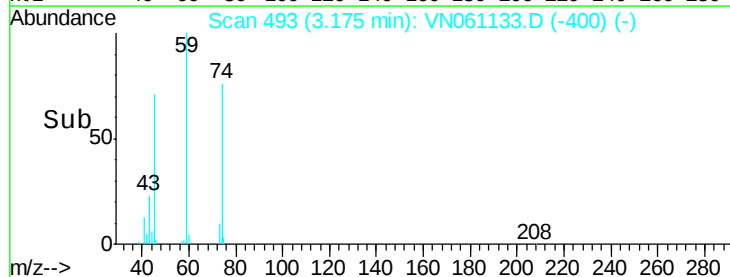
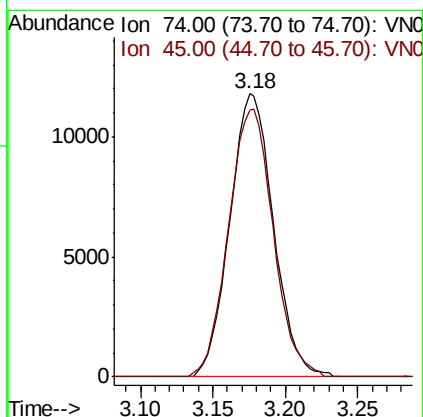
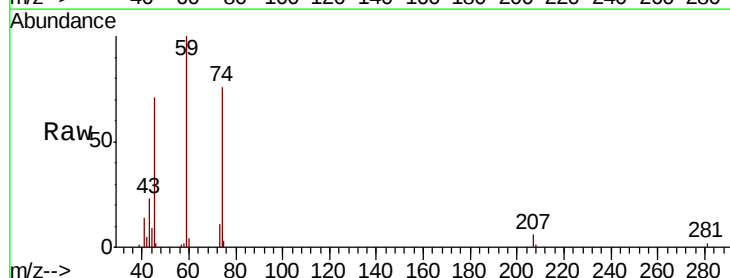
Tot Ion: 101 Resp: 58765
 Ion Ratio Lower Upper
 101 100
 103 67.7 52.1 78.1

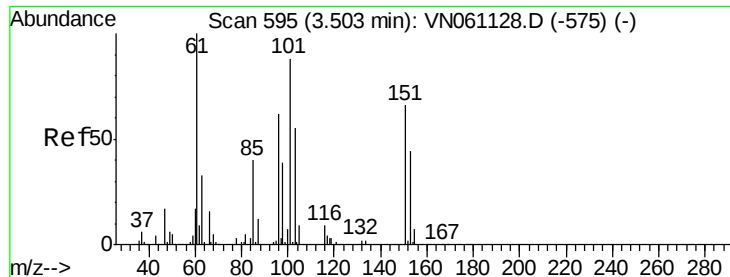


#8

Diethyl Ether
 Concen: 18.486 ug/l
 RT: 3.18 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion: 74 Resp: 24626
 Ion Ratio Lower Upper
 74 100
 45 96.8 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.755 ug/l

RT: 3.51 min Scan# 596

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

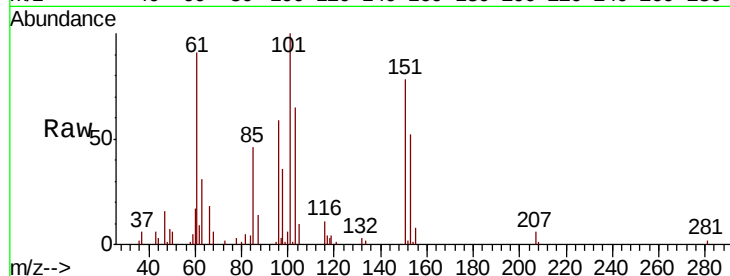
Tot Ion:101 Resp: 38067

Ion Ratio Lower Upper

101 100

85 45.4 36.2 54.4

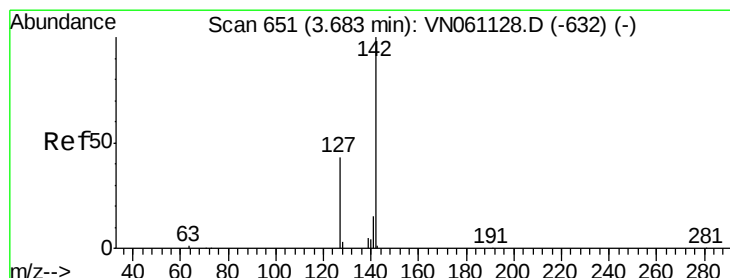
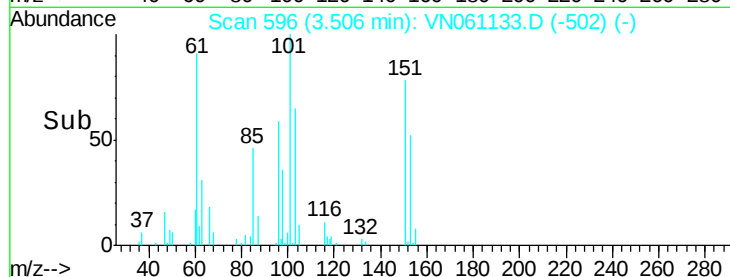
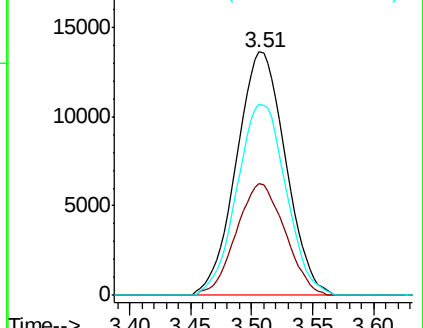
151 78.4 61.8 92.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.392 ug/l

RT: 3.69 min Scan# 652

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

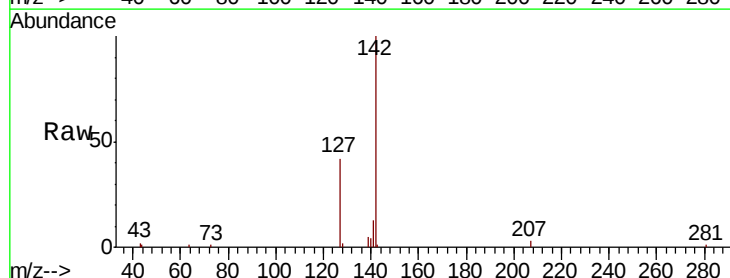
Tgt Ion:142 Resp: 53889

Ion Ratio Lower Upper

142 100

127 43.8 34.2 51.4

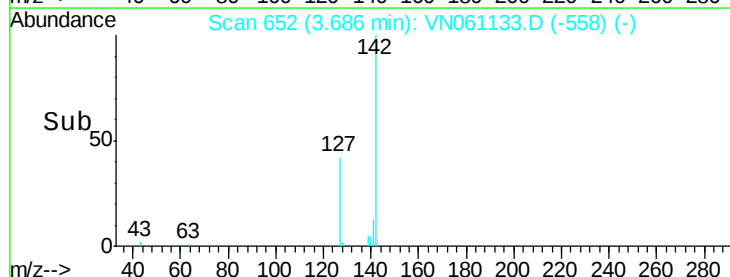
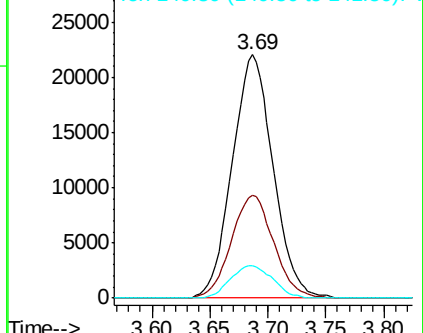
141 13.9 11.3 16.9

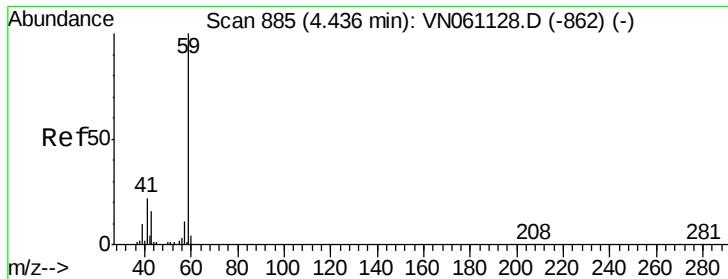


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

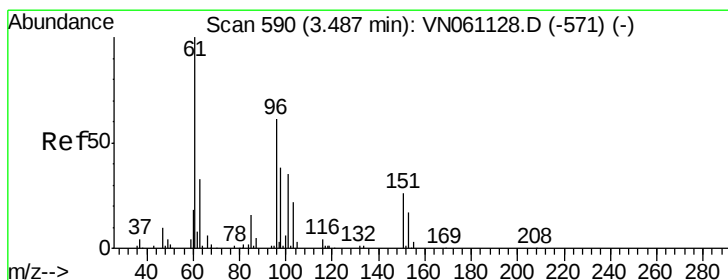
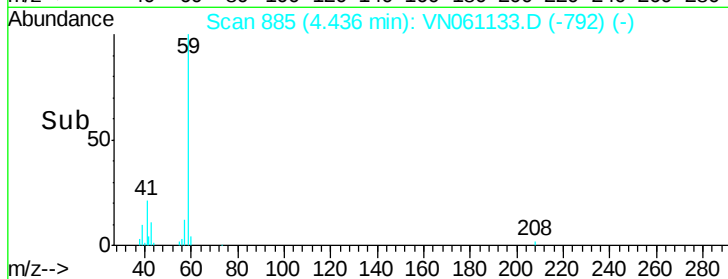
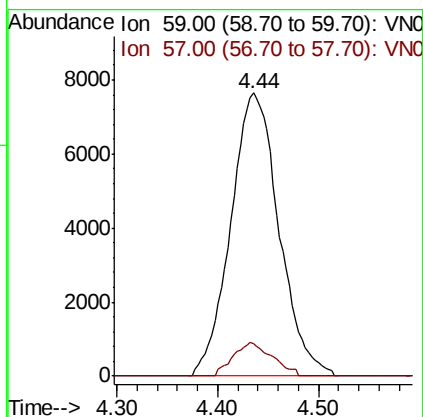
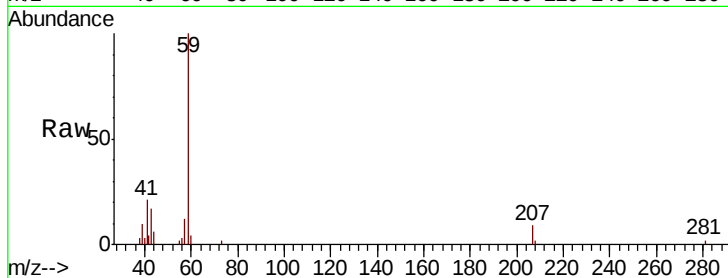




#11
Tert butyl alcohol
Concen: 75.620 ug/l
RT: 4.44 min Scan# 885
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

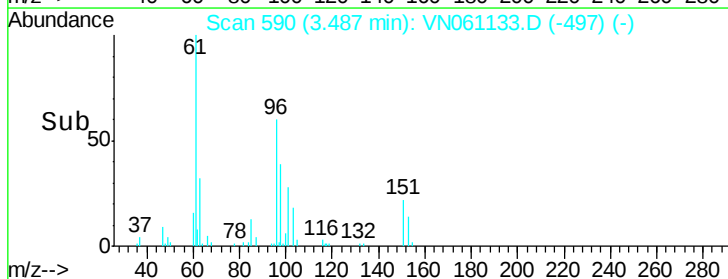
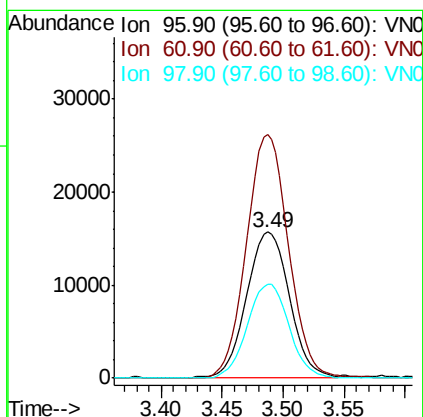
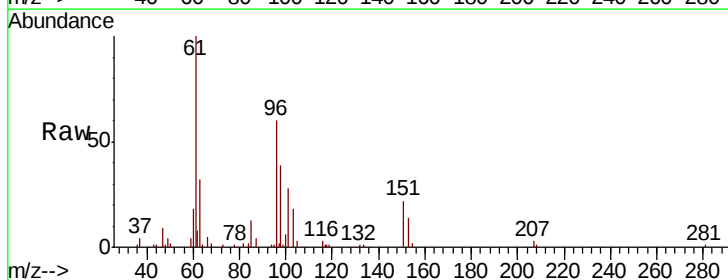
Instrument :
MSVOA_V
ClientSampleId :

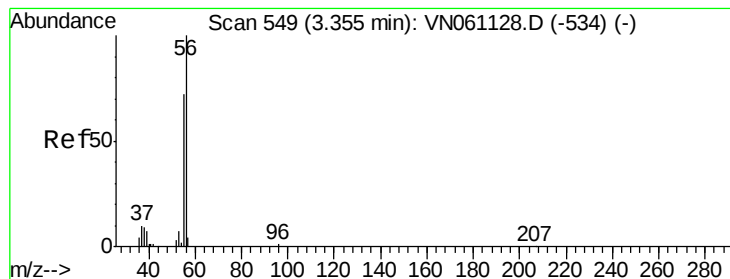
Tot Ion: 59 Resp: 25354
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.568 ug/l
RT: 3.49 min Scan# 590
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 96 Resp: 38387
Ion Ratio Lower Upper
96 100
61 166.5 130.8 196.2
98 64.2 49.4 74.2





#13

Acrolein

Concen: 82.967 ug/l

RT: 3.36 min Scan# 550

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

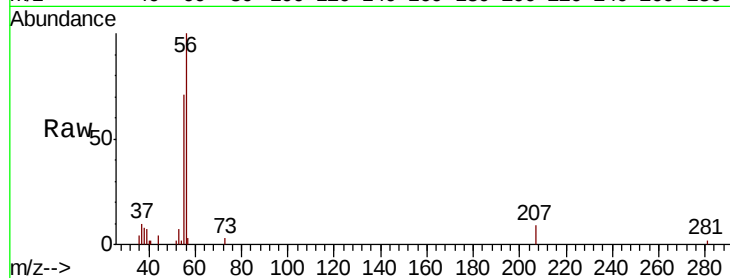
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 21255

Ion Ratio Lower Upper

56 100

55 70.2 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN061133.D (-456) (-)

Ion 55.00 (54.70 to 55.70): VN061133.D (-456) (-)

3.36

10000

8000

6000

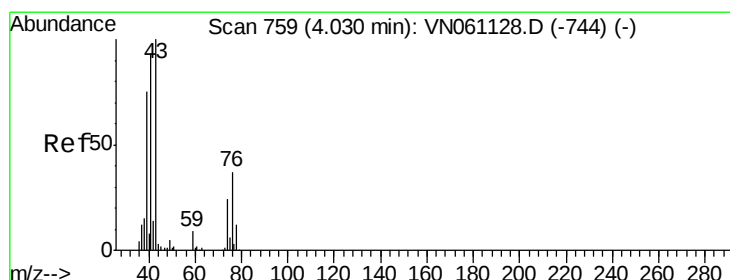
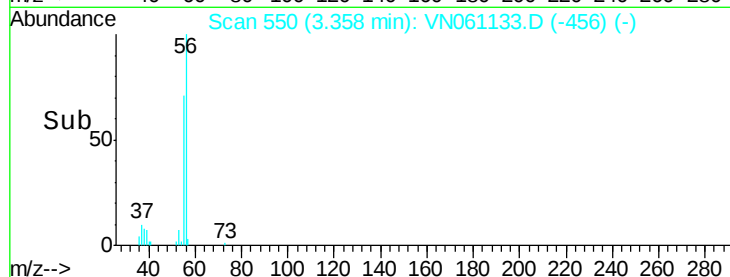
4000

2000

0

Time-->

3.30 3.35 3.40



#14

Allyl chloride

Concen: 22.277 ug/l

RT: 4.03 min Scan# 759

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

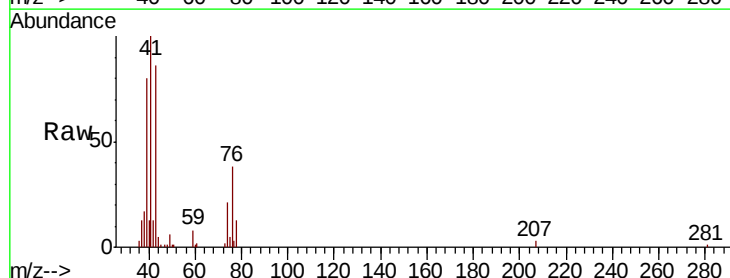
Tgt Ion: 41 Resp: 60493

Ion Ratio Lower Upper

41 100

39 78.2 61.0 91.4

76 36.9 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VN061133.D (-666) (-)

Ion 39.00 (38.70 to 39.70): VN061133.D (-666) (-)

Ion 75.90 (75.60 to 76.60): VN061133.D (-666) (-)

4.03

30000

25000

20000

15000

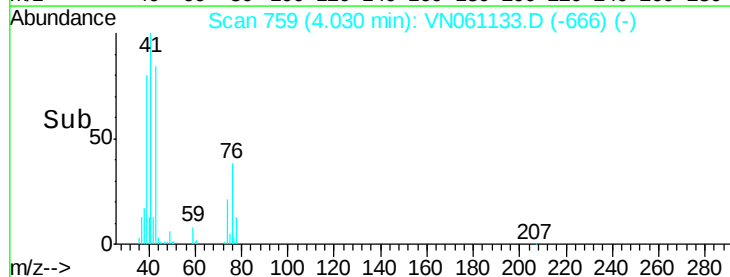
10000

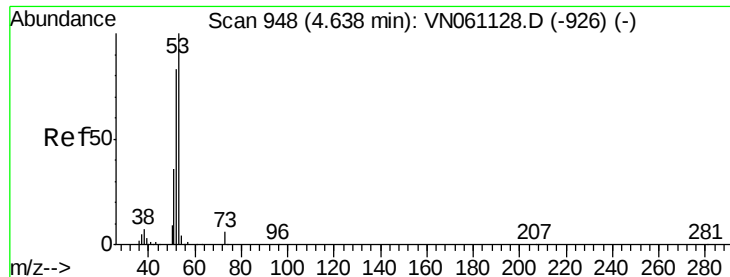
5000

0

Time-->

4.00 4.10





#15

Acrylonitrile

Concen: 89.546 ug/l

RT: 4.64 min Scan# 948

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

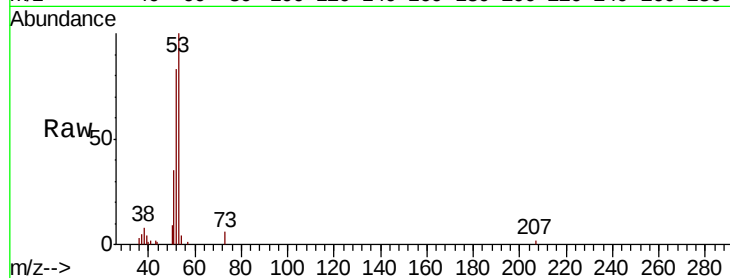
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 53 Resp: 93020

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	35.7	29.0	43.4

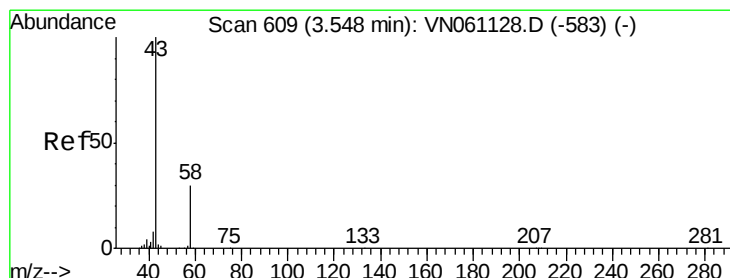
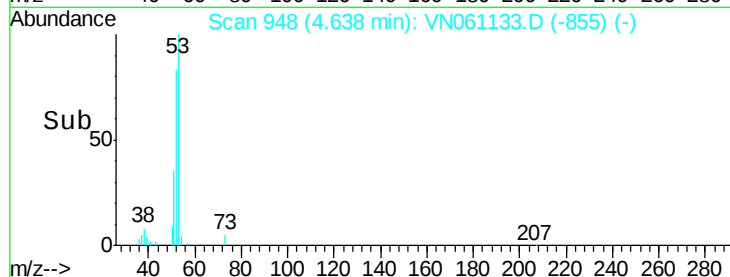
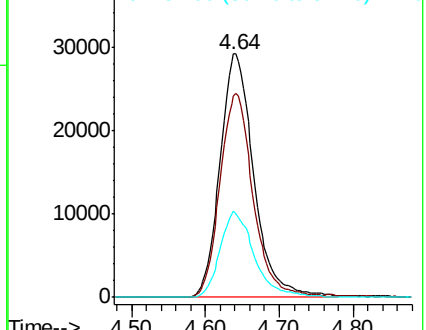


Abundance

Ion 53.00 (52.70 to 53.70): VN061133.D (-855) (-)

Ion 52.00 (51.70 to 52.70): VN061133.D (-855) (-)

Ion 51.00 (50.70 to 51.70): VN061133.D (-855) (-)



#16

Acetone

Concen: 88.069 ug/l

RT: 3.55 min Scan# 609

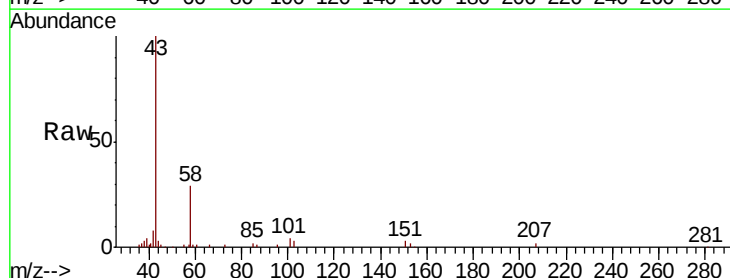
Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion: 43 Resp: 86237

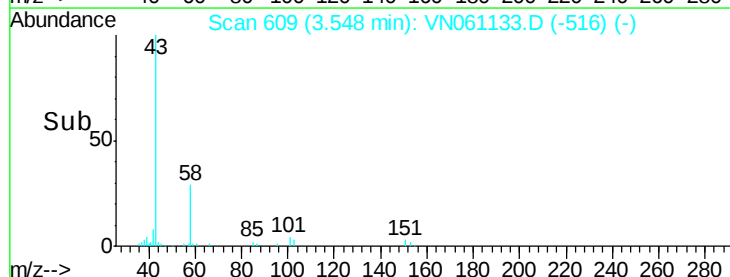
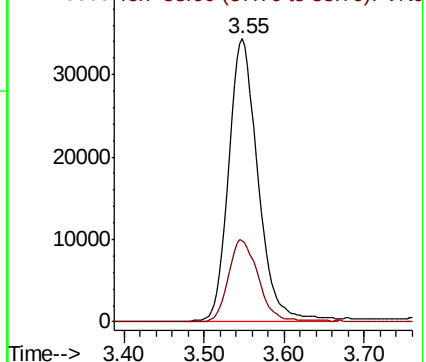
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.6	35.4

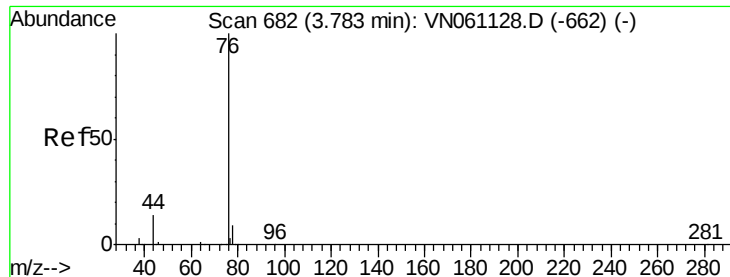


Abundance

Ion 43.00 (42.70 to 43.70): VN061133.D (-516) (-)

Ion 58.00 (57.70 to 58.70): VN061133.D (-516) (-)

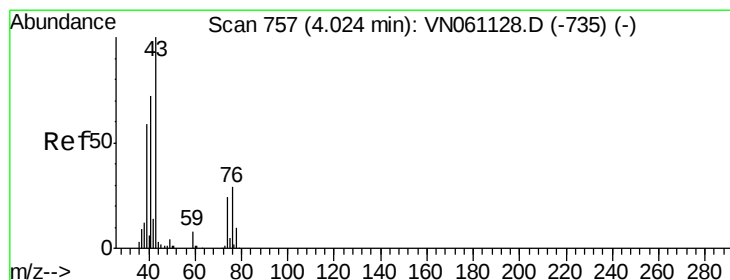
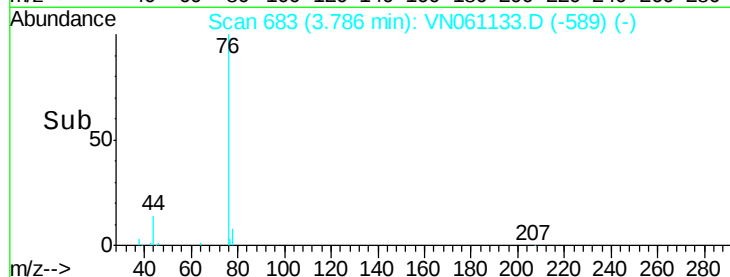
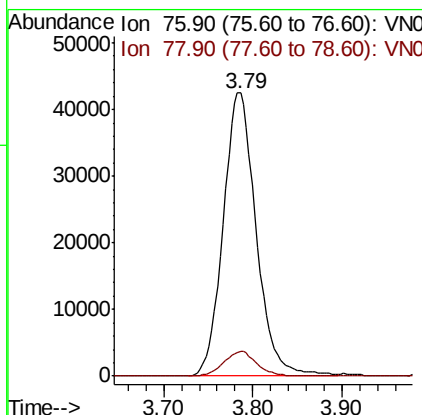
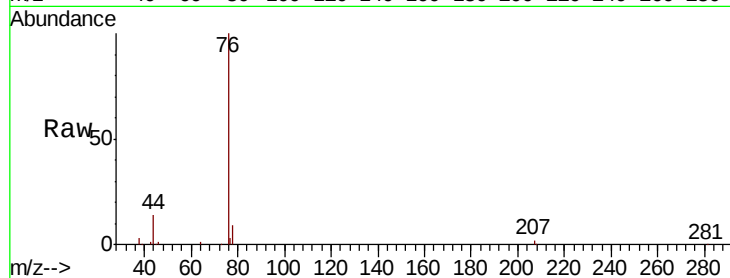




#17
Carbon Disulfide
Concen: 18.551 ug/l
RT: 3.79 min Scan# 683
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

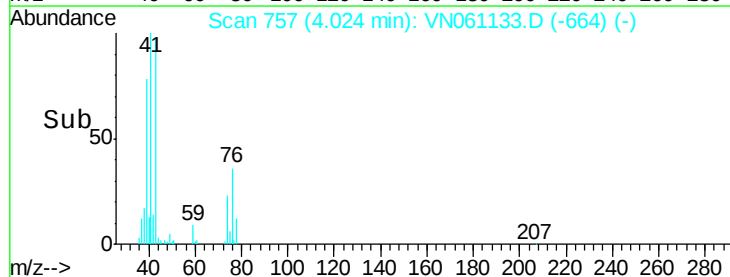
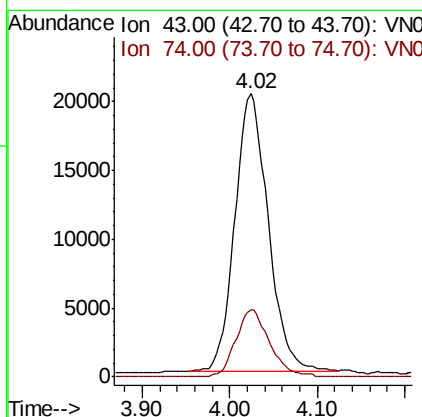
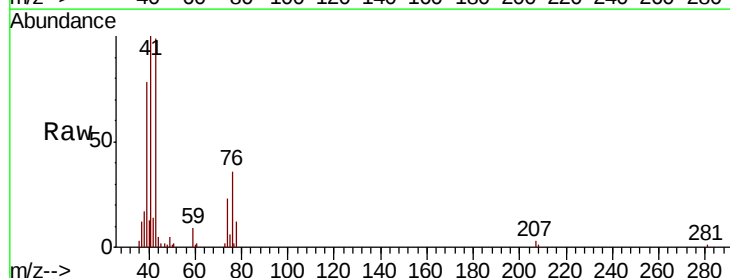
Instrument :
MSVOA_V
ClientSampleId :

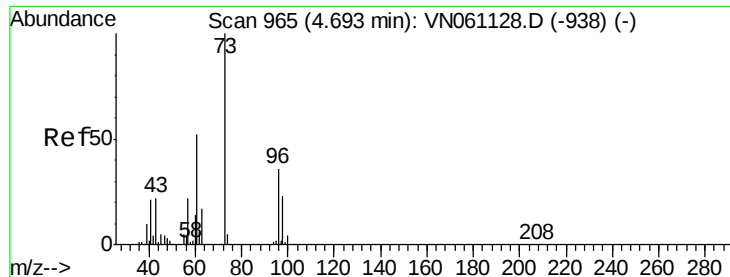
Tot Ion: 76 Resp: 108827
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 16.912 ug/l
RT: 4.02 min Scan# 757
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 43 Resp: 53272
Ion Ratio Lower Upper
43 100
74 24.7 19.4 29.0

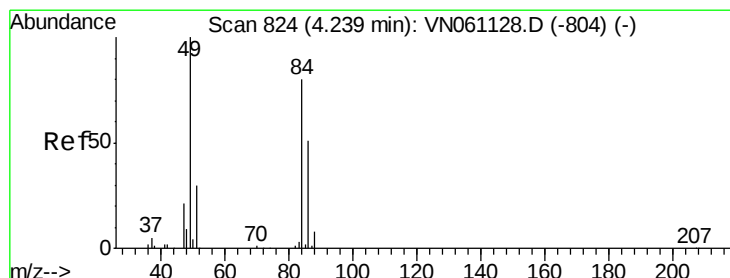
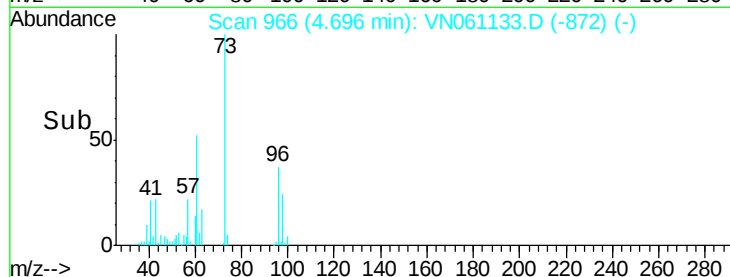
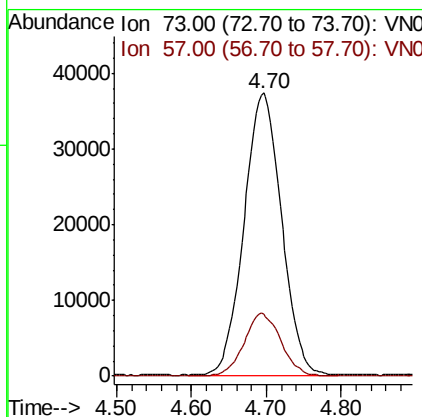
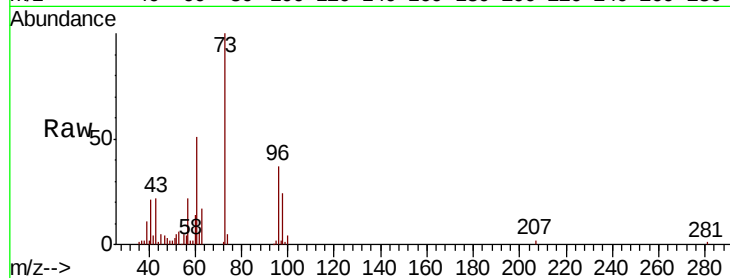




#19
Methvl tert-butvl Ether
Concen: 18.727 ug/l
RT: 4.70 min Scan# 966
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

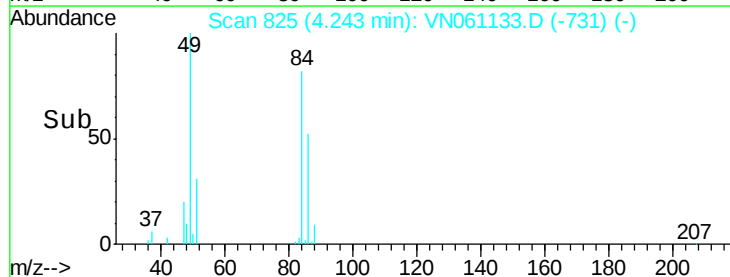
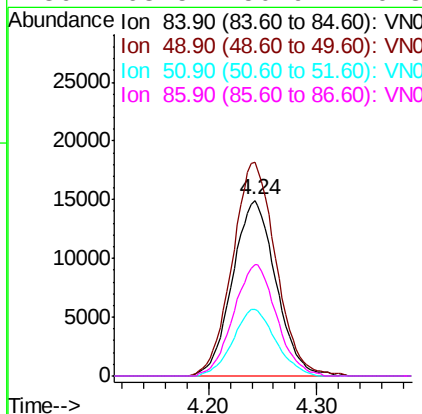
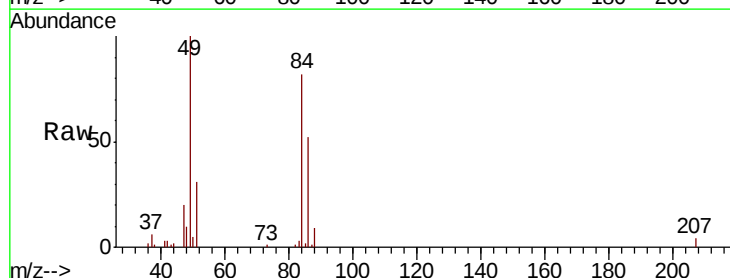
Instrument :
MSVOA_V
ClientSampleId :

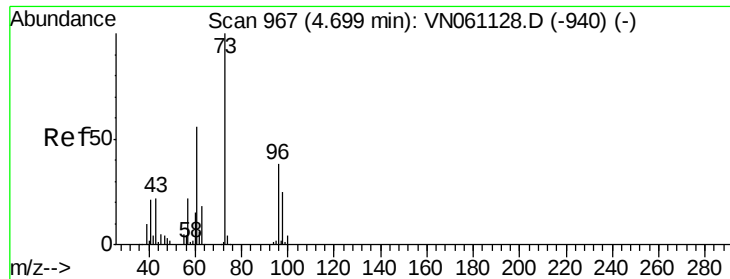
Tot Ion: 73 Resp: 129762
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 18.397 ug/l
RT: 4.24 min Scan# 825
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 84 Resp: 41822
Ion Ratio Lower Upper
84 100
49 121.6 99.8 149.6
51 38.2 29.9 44.9
86 63.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 17.800 ug/l

RT: 4.70 min Scan# 968

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

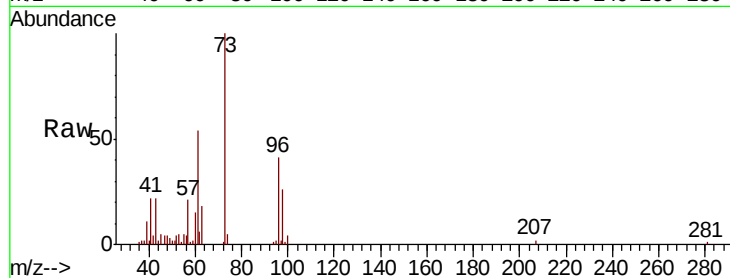
Tot Ion: 96 Resp: 41842

Ion Ratio Lower Upper

96 100

61 131.9 116.4 174.6

98 63.3 51.4 77.2

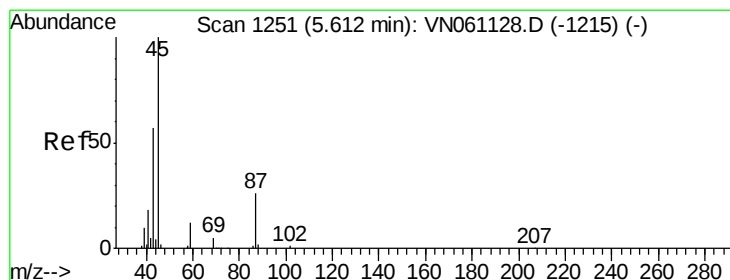
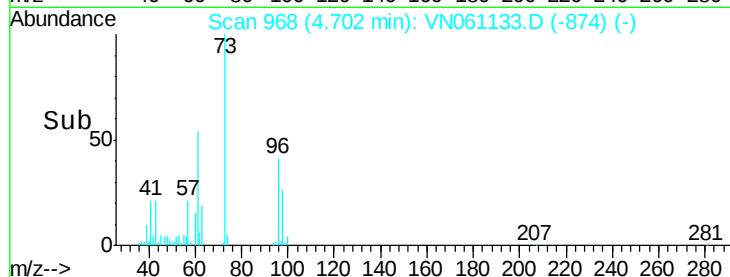
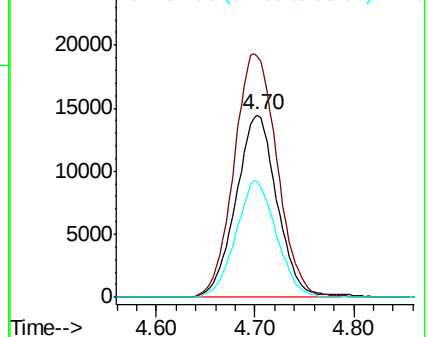


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.763 ug/l

RT: 5.62 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion: 45 Resp: 134682

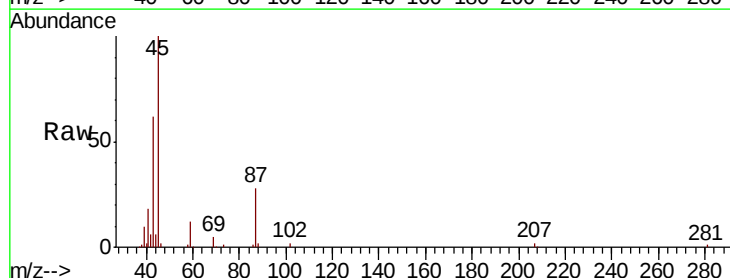
Ion Ratio Lower Upper

45 100

43 60.2 48.4 72.6

87 27.8 21.4 32.0

59 12.0 9.4 14.2



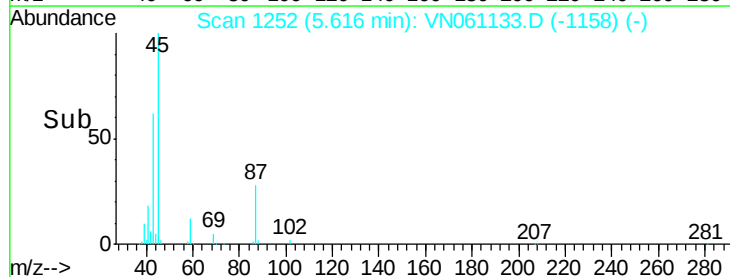
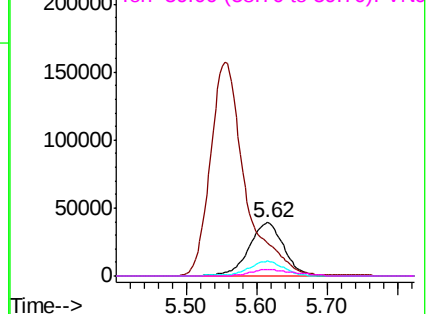
Abundance

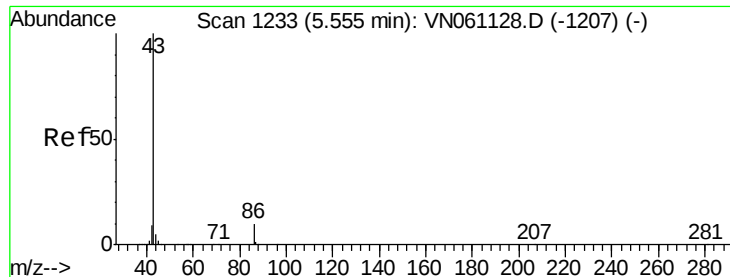
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

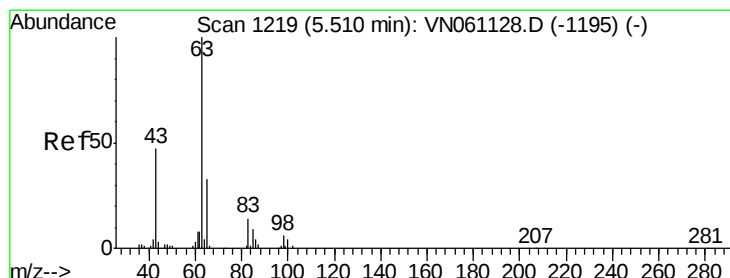
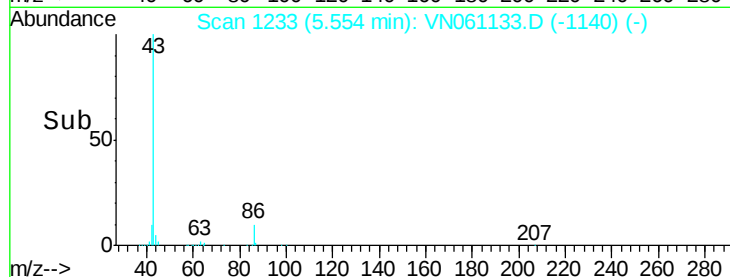
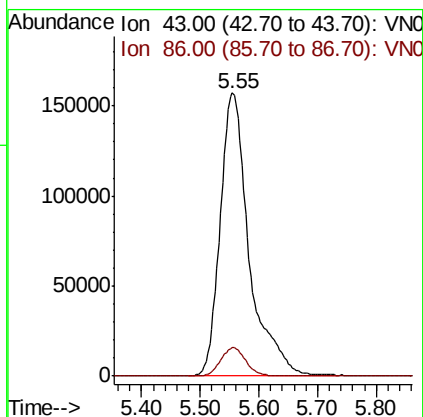
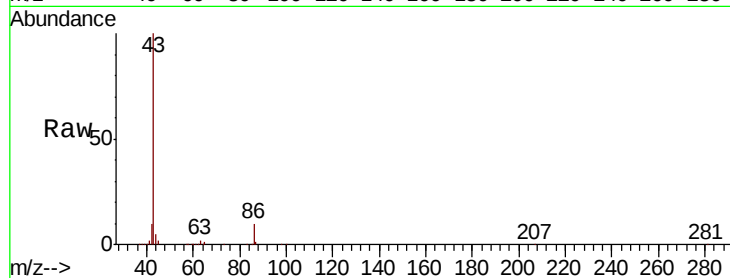




#23
 Vinyl Acetate
 Concen: 93.834 ug/l
 RT: 5.55 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

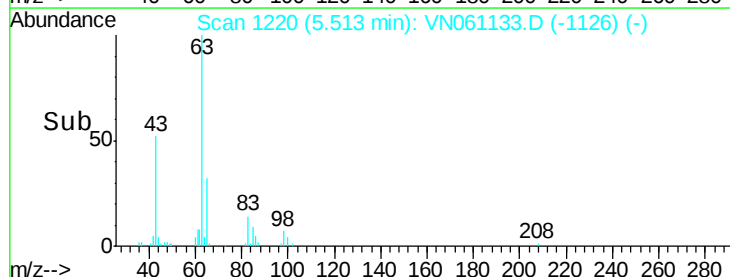
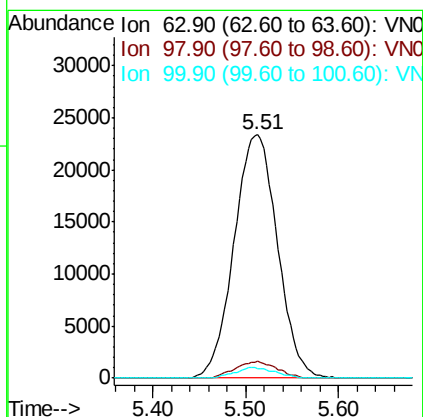
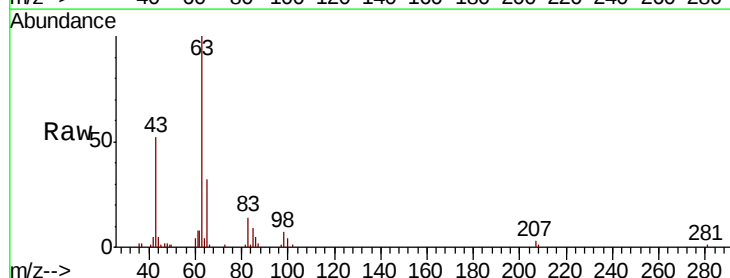
Instrument :
 MSVOA_V
 ClientSampleId :

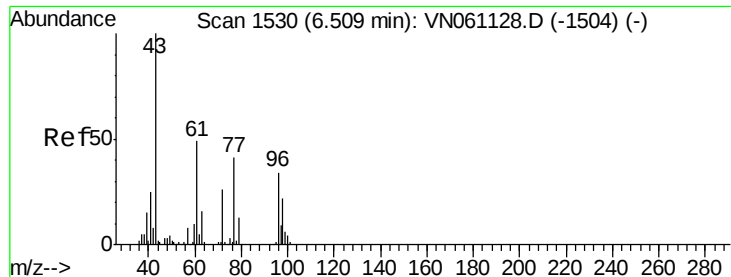
Tot Ion: 43 Resp: 539774
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 19.068 ug/l
 RT: 5.51 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion: 63 Resp: 75738
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.0 2.0 6.0

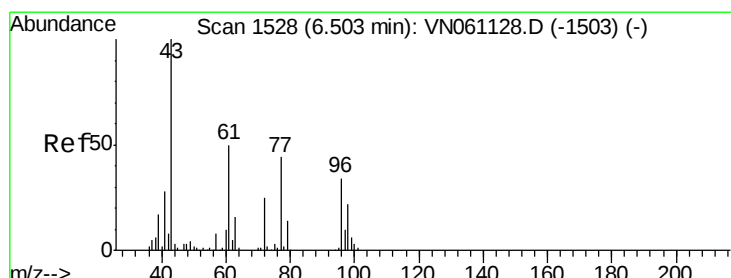
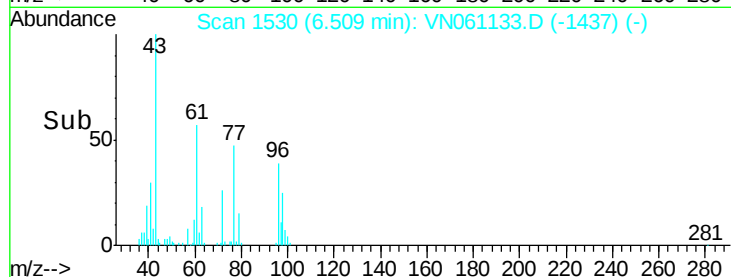
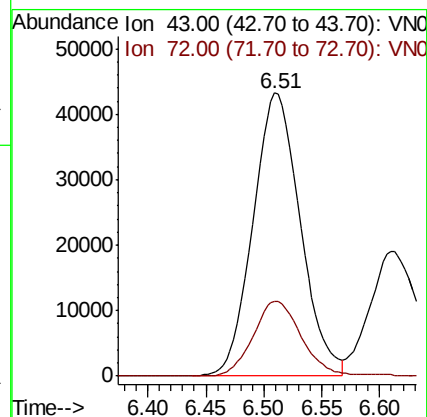
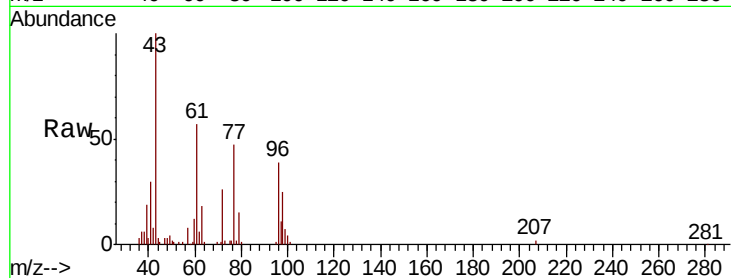




#25
2-Butanone
Concen: 86.696 ug/l
RT: 6.51 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

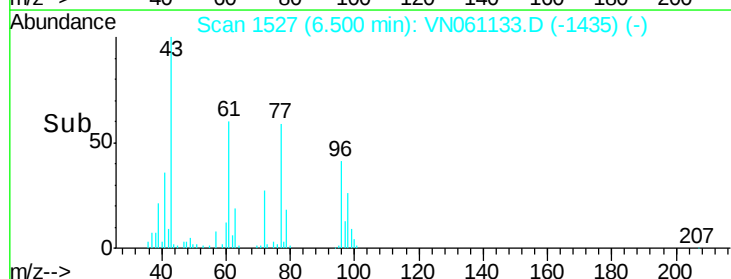
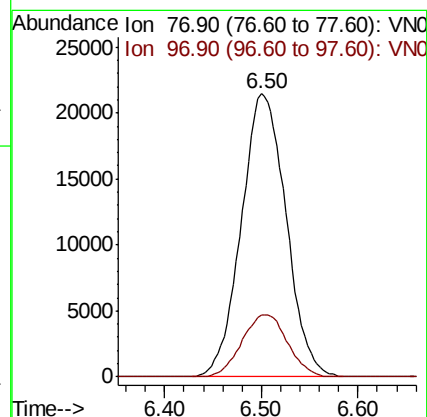
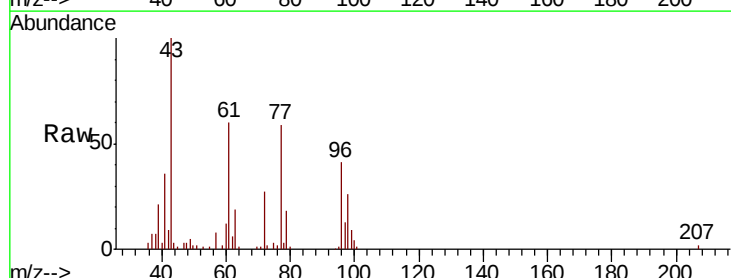
Instrument :
MSVOA_V
ClientSampled :

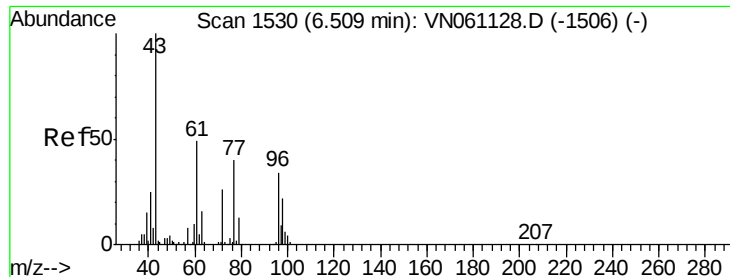
Tot Ion: 43 Resp: 122930
Ion Ratio Lower Upper
43 100
72 26.3 20.8 31.2



#26
2,2-Dichloropropane
Concen: 19.284 ug/l
RT: 6.50 min Scan# 1527
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 77 Resp: 68978
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.339 ug/l

RT: 6.51 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

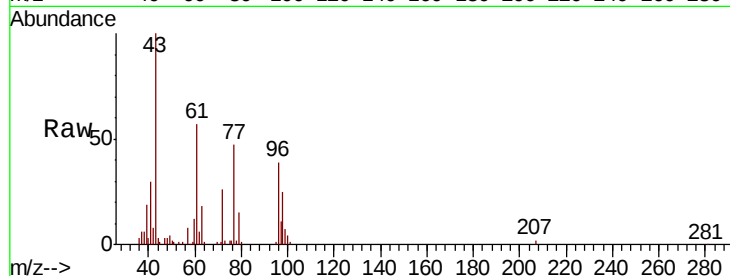
Tot Ion: 96 Resp: 47847

Ion Ratio Lower Upper

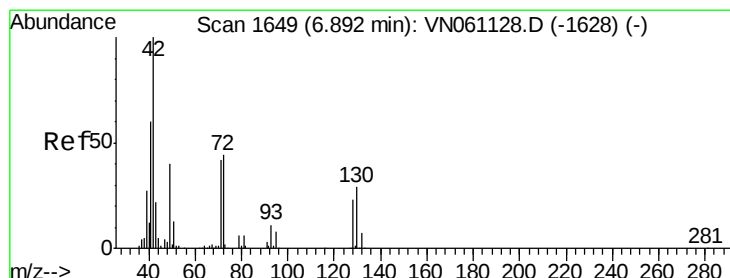
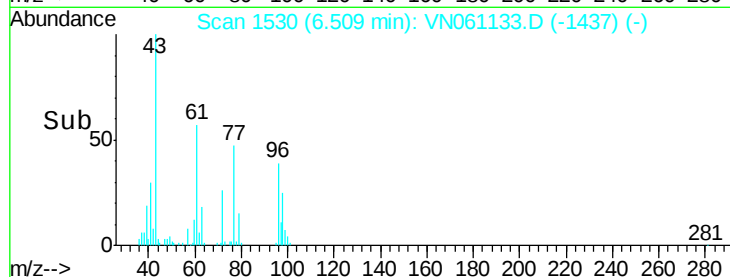
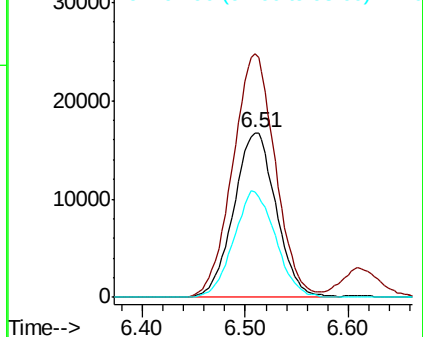
96 100

61 148.8 0.0 300.4

98 63.5 0.0 129.6



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: 17.614 ug/l

RT: 6.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

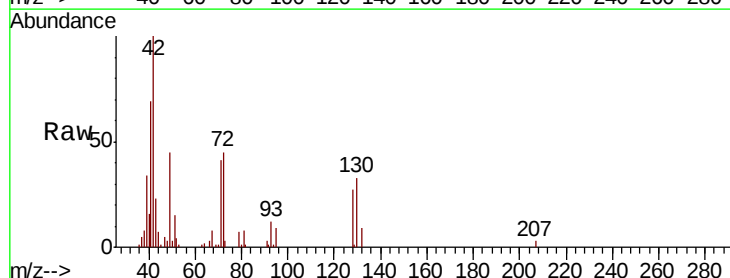
Tgt Ion: 49 Resp: 30060

Ion Ratio Lower Upper

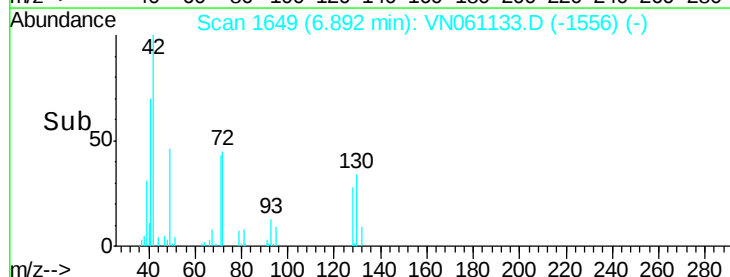
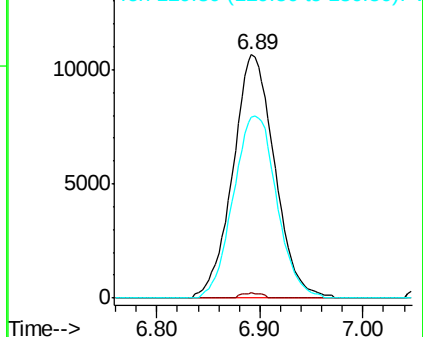
49 100

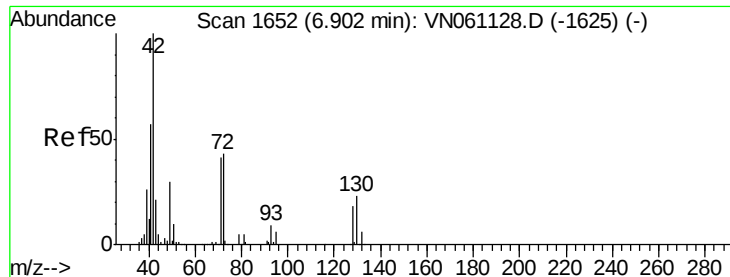
129 1.1 0.0 2.2

130 77.6 59.7 89.5



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: 87.430 ug/l

RT: 6.90 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

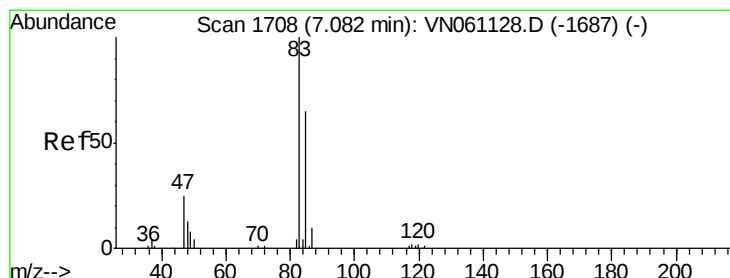
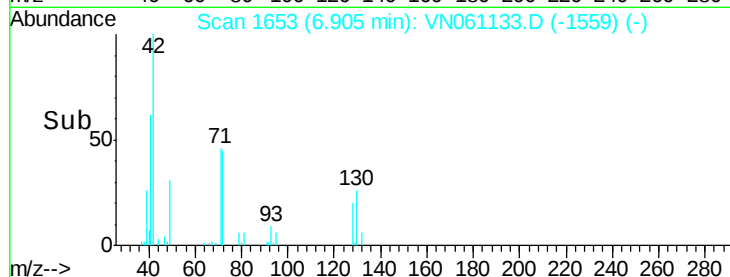
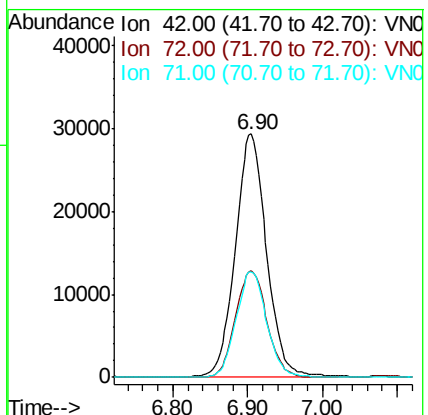
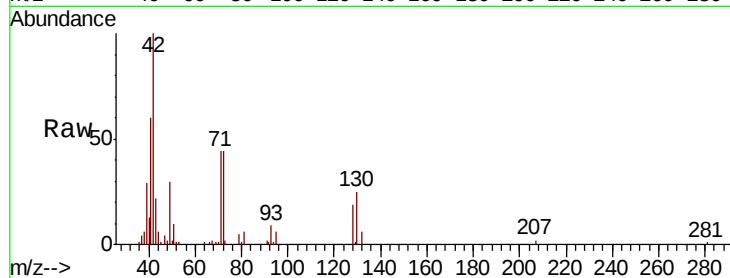
Tot Ion: 42 Resp: 85347

Ion Ratio Lower Upper

42 100

72 43.6 35.1 52.7

71 42.4 33.0 49.6



#30

Chloroform

Concen: 19.185 ug/l

RT: 7.08 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VN061133.D

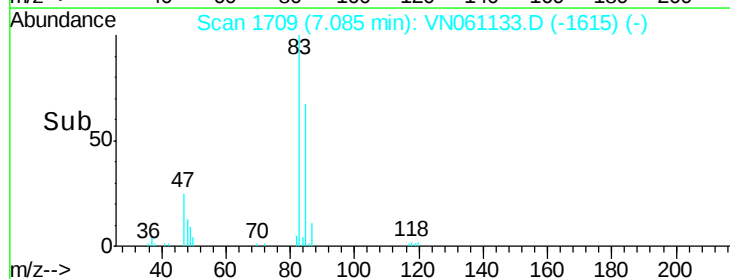
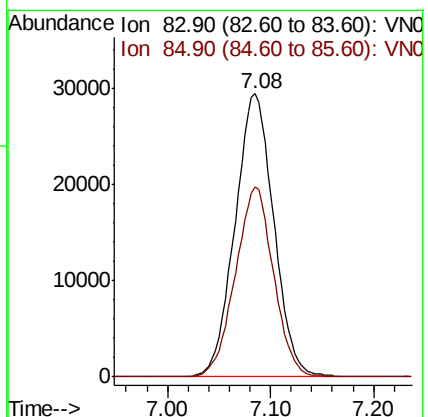
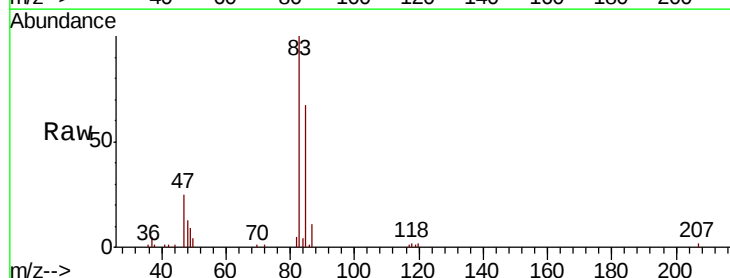
Acq: 22 Apr 2020 17:39

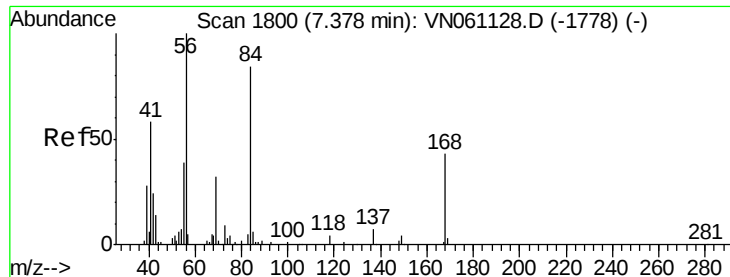
Tgt Ion: 83 Resp: 77061

Ion Ratio Lower Upper

83 100

85 66.9 52.2 78.4

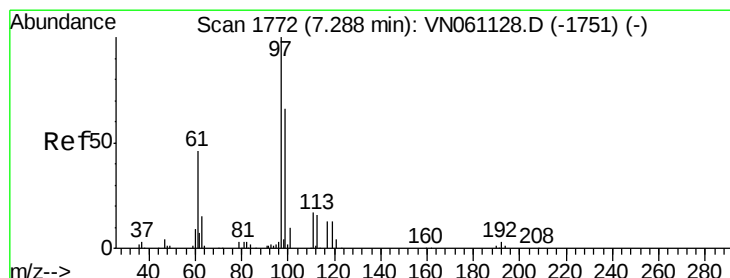
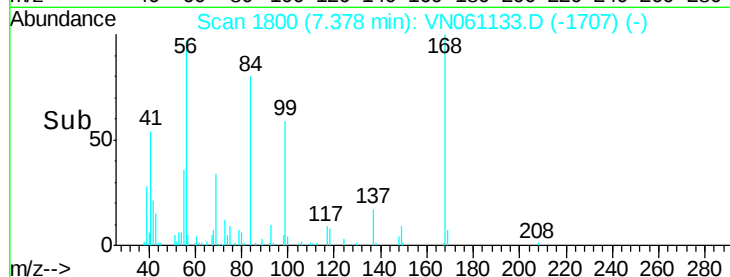
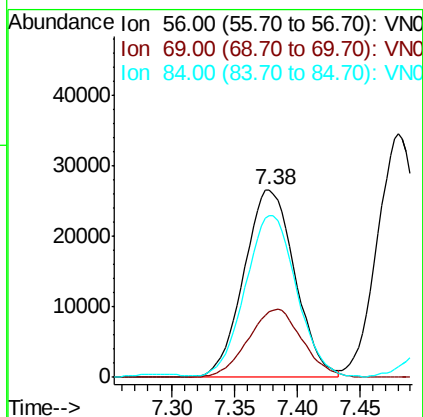
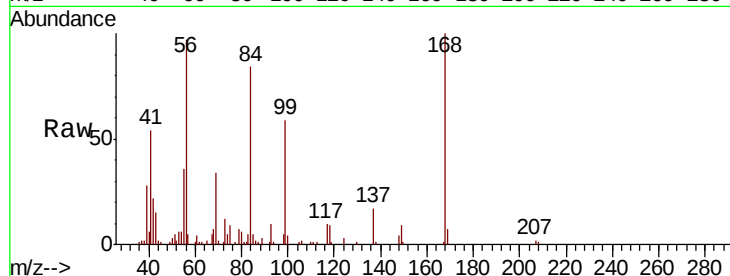




#31
Cyclohexane
Concen: 18.830 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

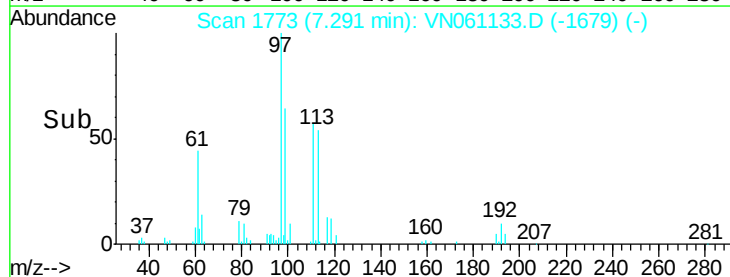
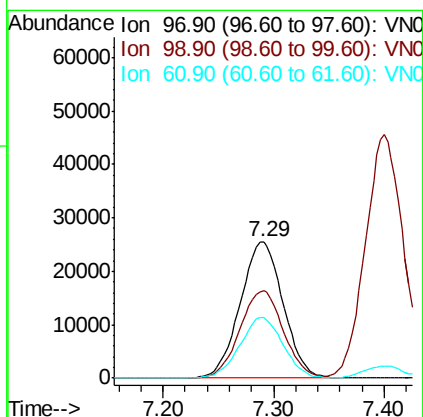
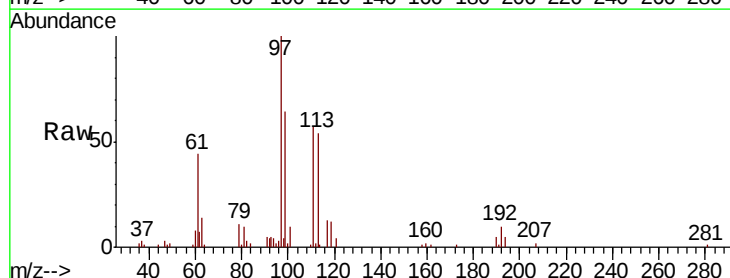
Instrument :
MSVOA_V
ClientSampleId :

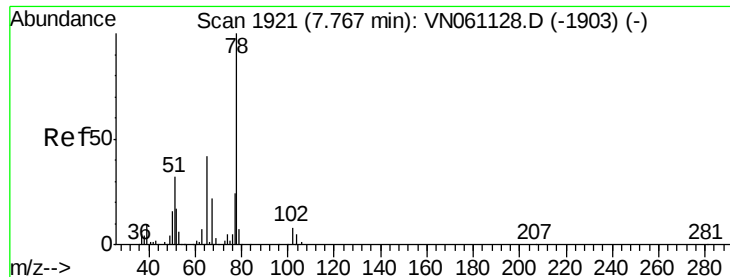
Tot Ion: 56 Resp: 75219
Ion Ratio Lower Upper
56 100
69 34.8 25.9 38.9
84 85.7 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 19.208 ug/l
RT: 7.29 min Scan# 1773
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 97 Resp: 68809
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 44.6 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 49.668 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

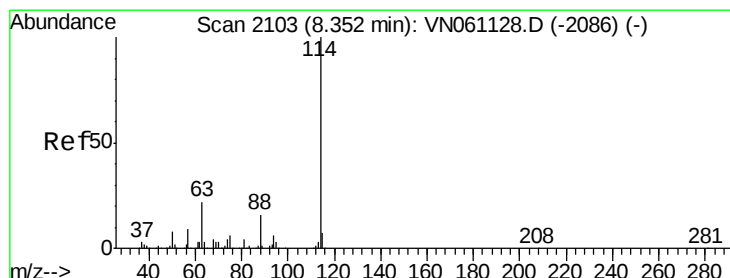
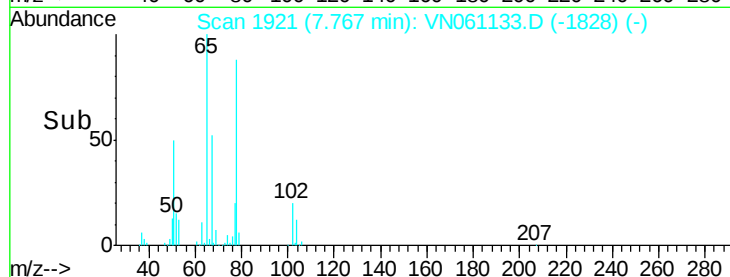
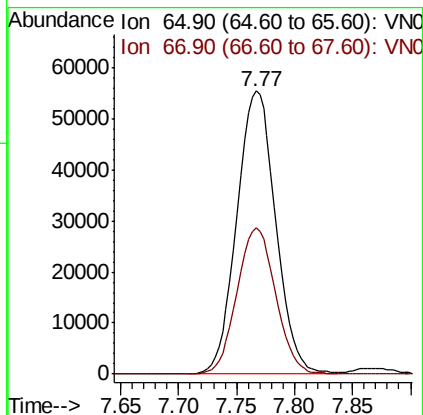
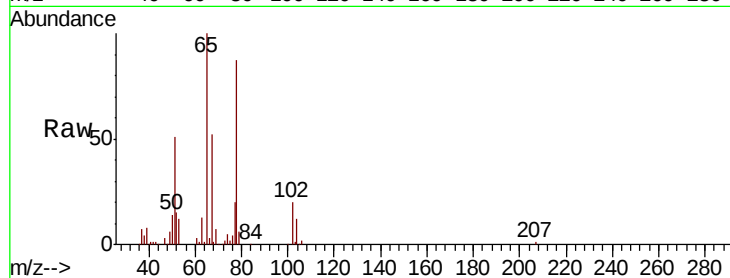
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 65 Resp: 129237

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.35 min Scan# 2103

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

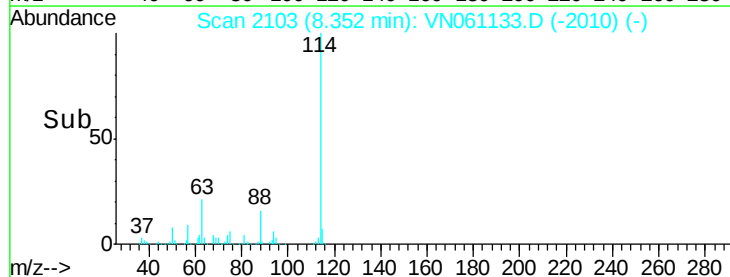
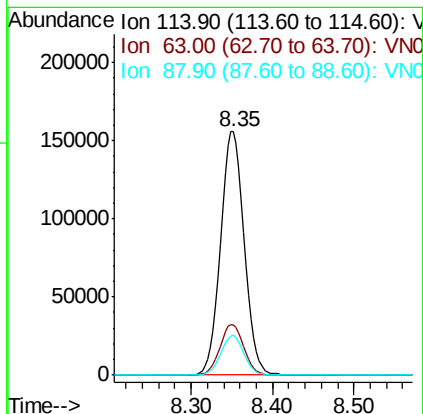
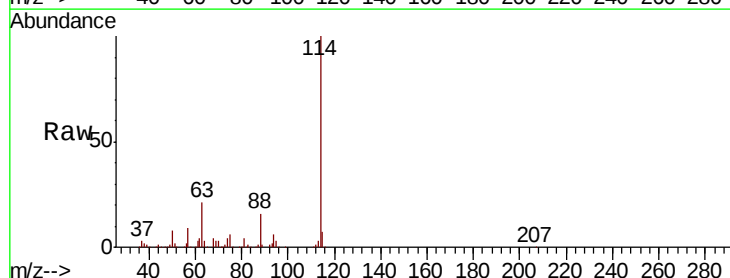
Tgt Ion: 114 Resp: 320712

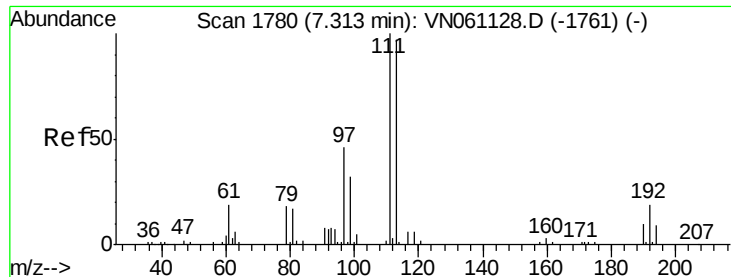
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 16.4 0.0 32.4

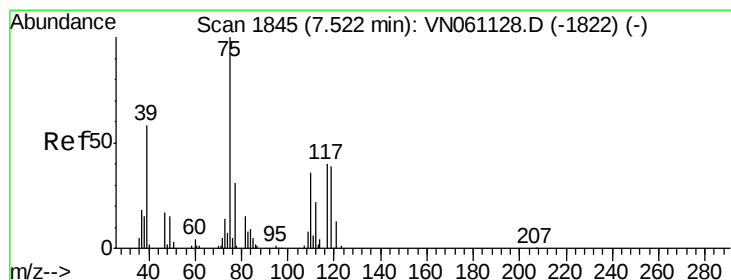
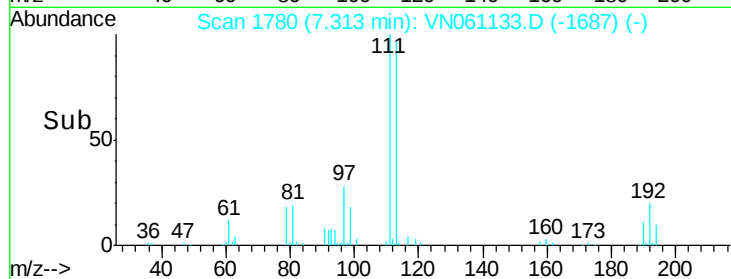
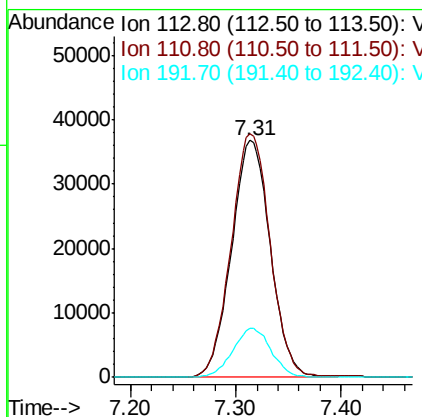
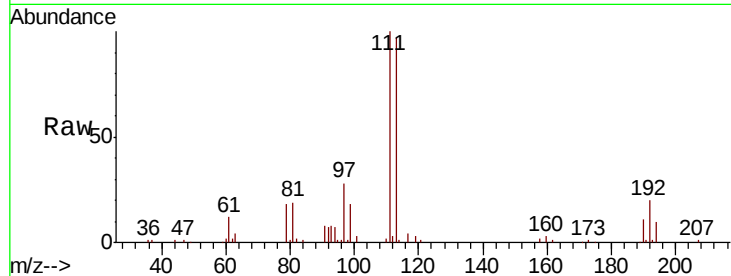




#35
 Dibromofluoromethane
 Concen: 51.387 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

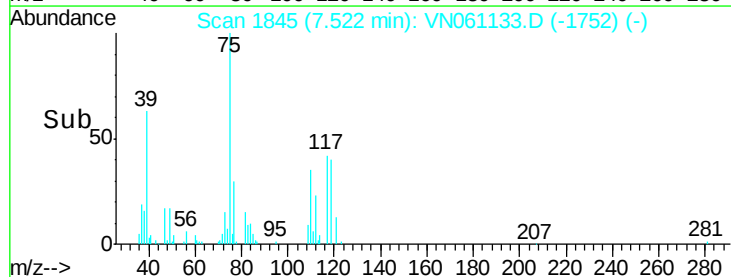
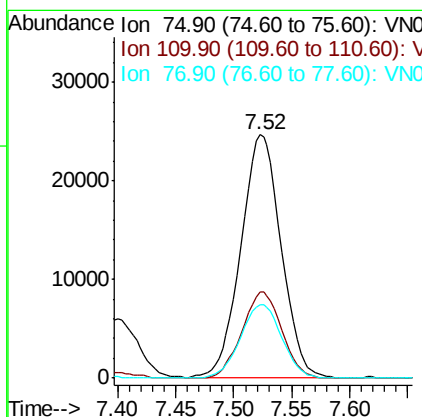
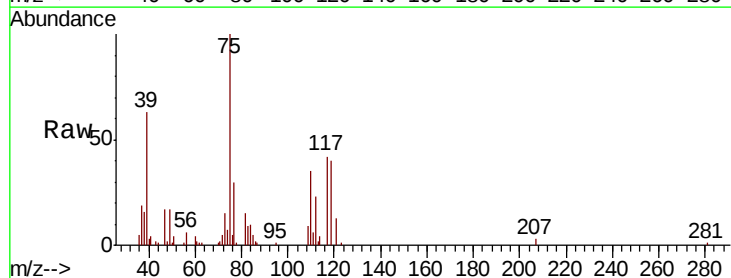
Instrument :
 MSVOA_V
 ClientSampled :

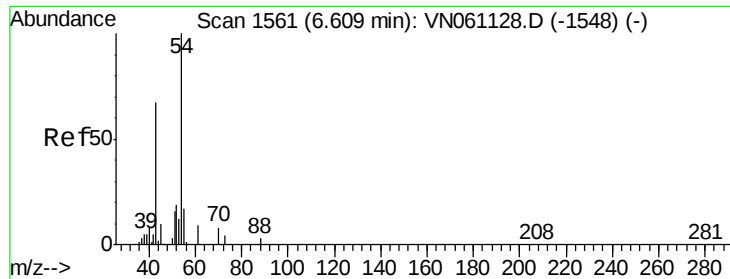
Tot Ion:113 Resp: 94052
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.0 124.6
 192 20.3 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 19.076 ug/l
 RT: 7.52 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion: 75 Resp: 59792
 Ion Ratio Lower Upper
 75 100
 110 34.8 17.7 53.1
 77 31.0 24.8 37.2

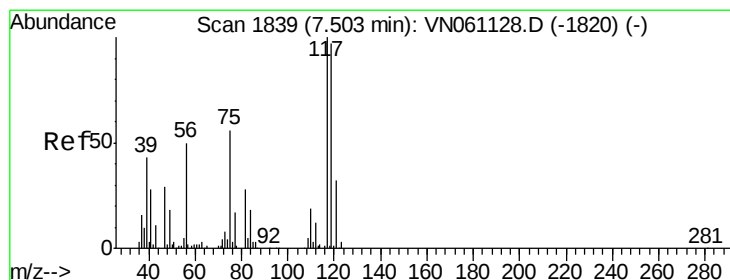
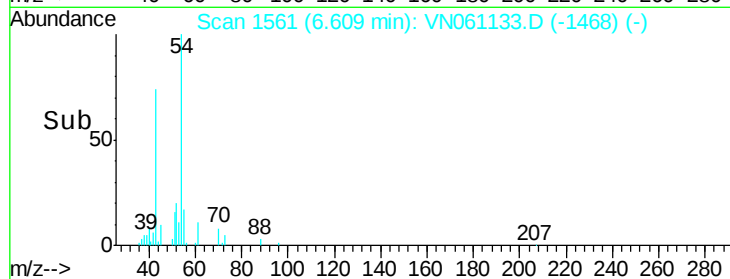
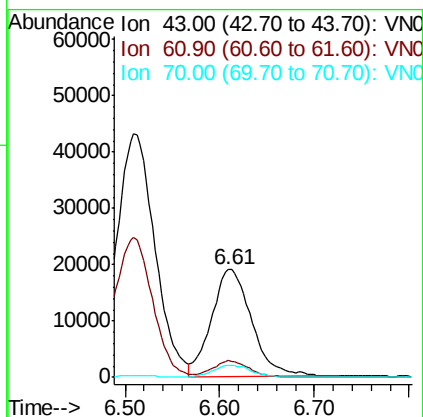
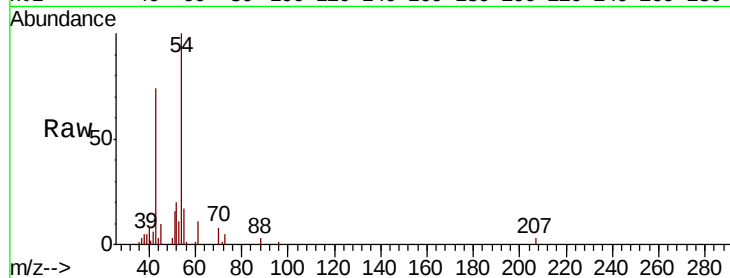




#37
Ethyl Acetate
Concen: 17.867 ug/l
RT: 6.61 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

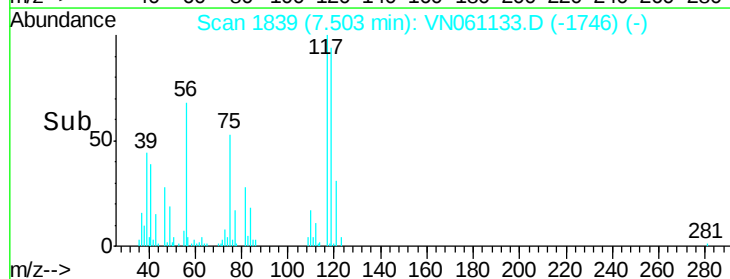
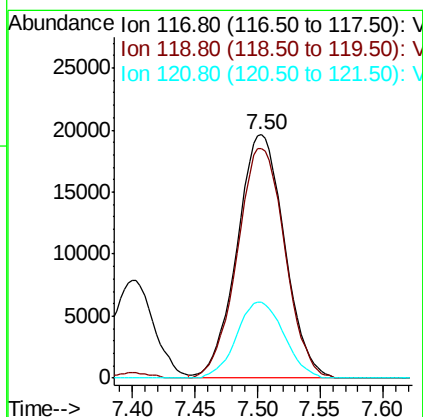
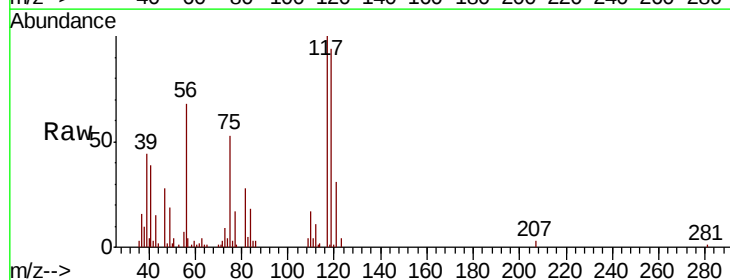
Instrument :
MSVOA_V
ClientSampled :

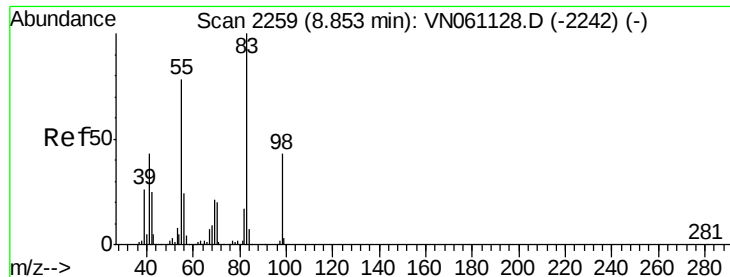
Tot Ion: 43 Resp: 56127
Ion Ratio Lower Upper
43 100
61 14.2 11.4 17.0
70 10.6 8.2 12.4



#38
Carbon Tetrachloride
Concen: 18.839 ug/l
RT: 7.50 min Scan# 1839
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 117 Resp: 51693
Ion Ratio Lower Upper
117 100
119 94.5 76.9 115.3
121 31.0 25.0 37.6

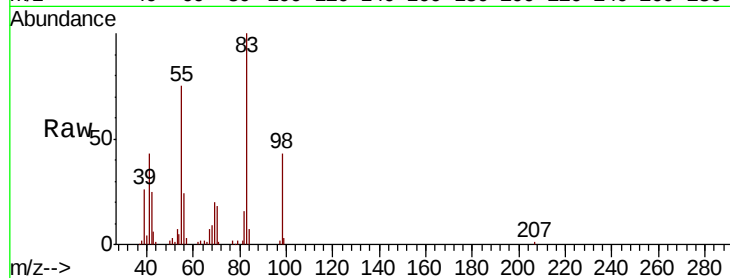




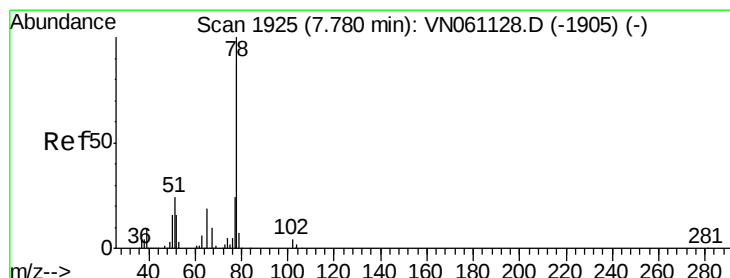
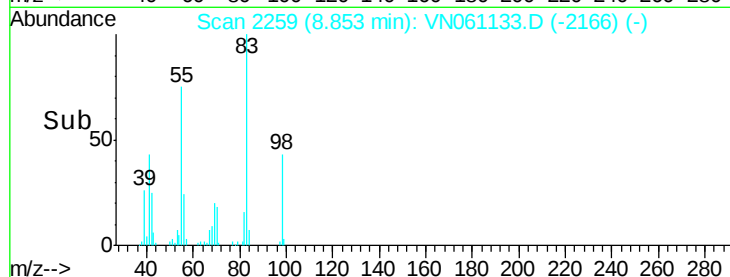
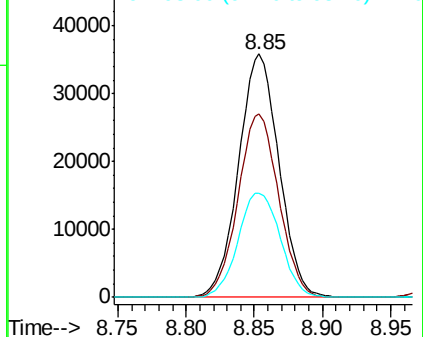
#39
Methvlcvclohexane
Concen: 19.204 ug/l
RT: 8.85 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 73598
Ion Ratio Lower Upper
83 100
55 75.4 62.2 93.4
98 43.0 34.7 52.1

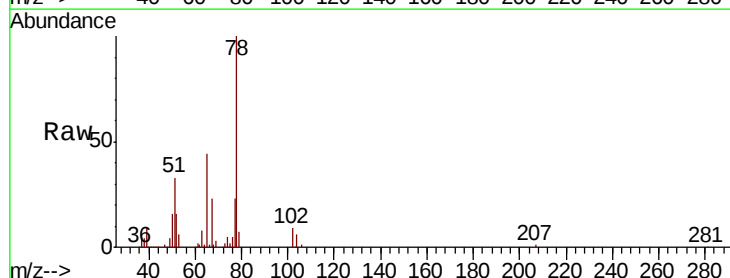


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

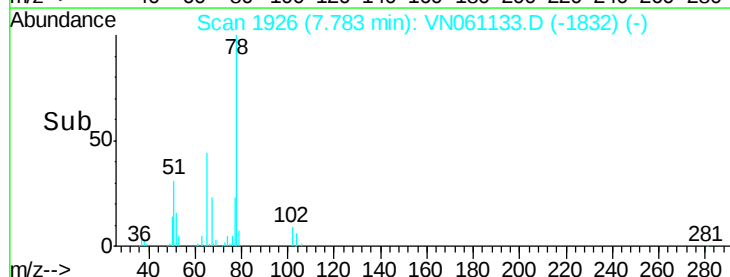
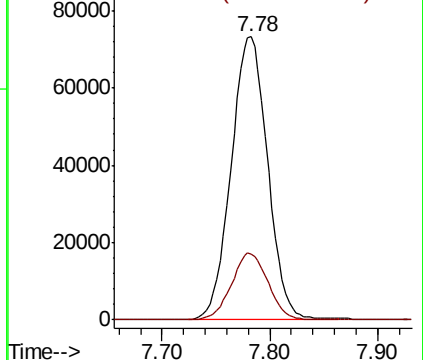


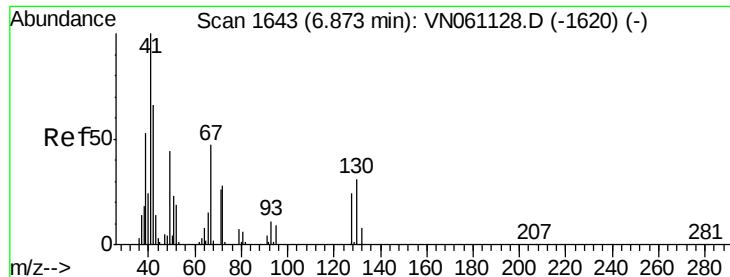
#40
Benzene
Concen: 18.577 ug/l
RT: 7.78 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 78 Resp: 172407
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6



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

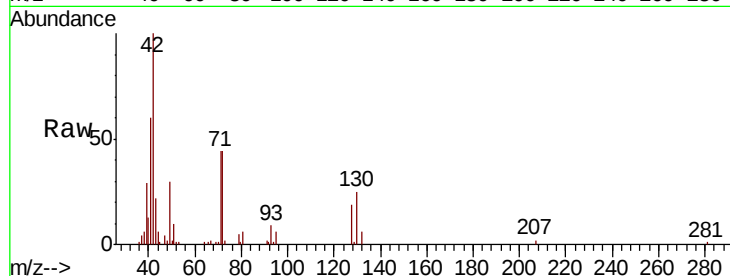




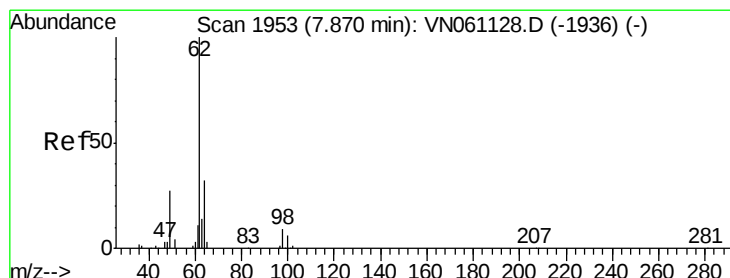
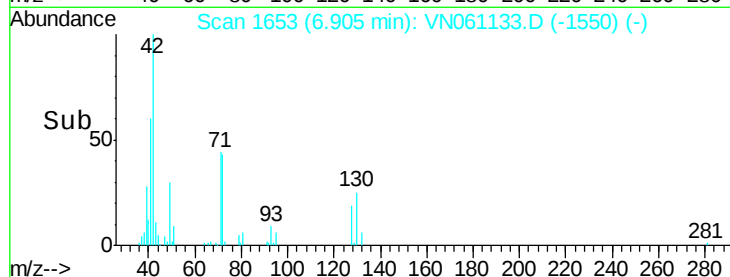
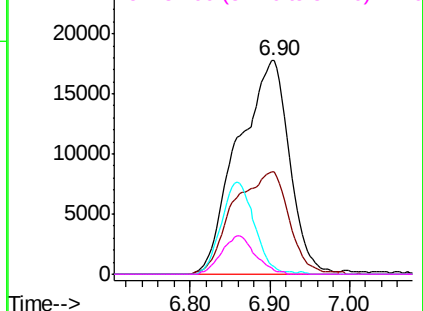
#41
Methacrylonitrile
Concen: 52.647 ug/l
RT: 6.90 min Scan# 1653
Delta R.T. 0.03 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	41	Resp:	78518
Ion	Ratio	Lower	Upper
41	100		
39	51.6	119.4	179.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

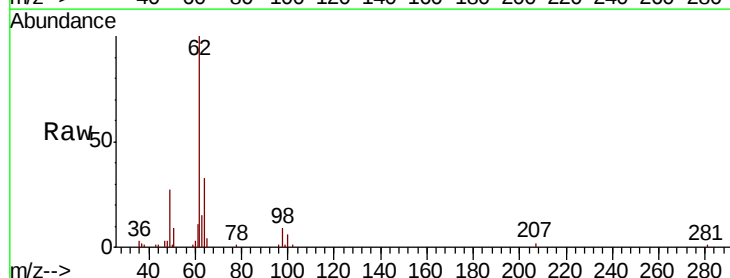


Abundance Ion 41.00 (40.70 to 41.70): VN061128.D (-1620) (-)

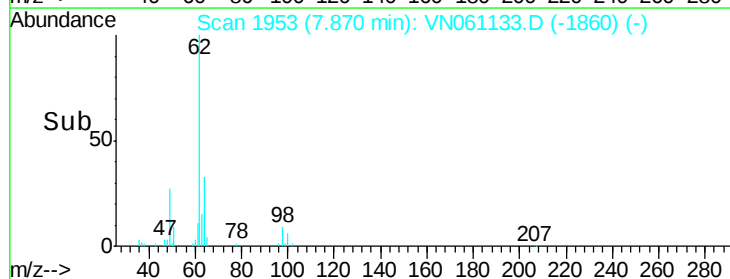
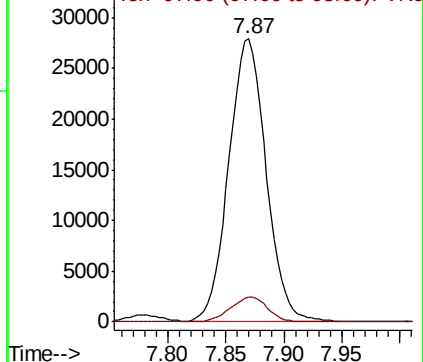


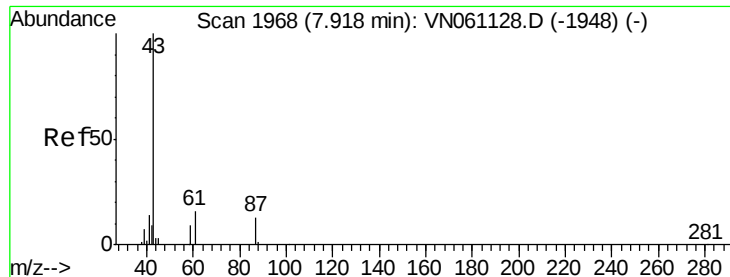
#42
1,2-Dichloroethane
Concen: 18.956 ug/l
RT: 7.87 min Scan# 1953
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion:	62	Resp:	62686
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN061128.D (-1936) (-)





#43

Isopropyl Acetate

Concen: 17.943 ug/l

RT: 7.92 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

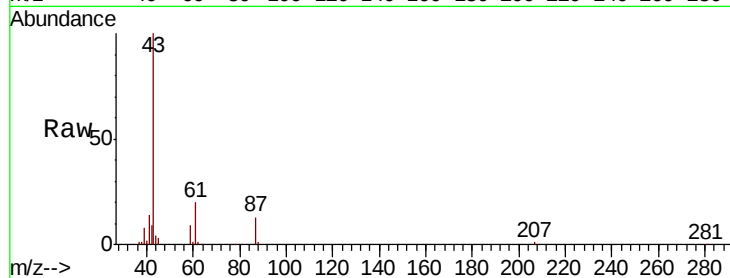
Tot Ion: 43 Resp: 95731

Ion Ratio Lower Upper

43 100

61 20.0 15.5 23.3

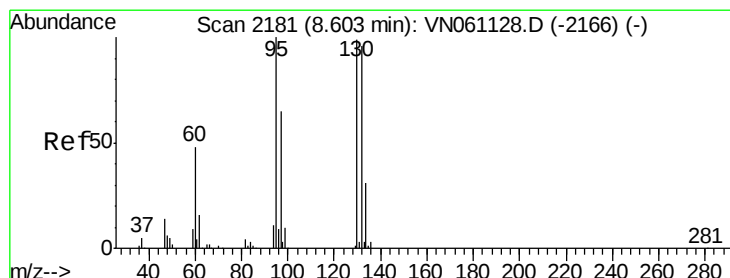
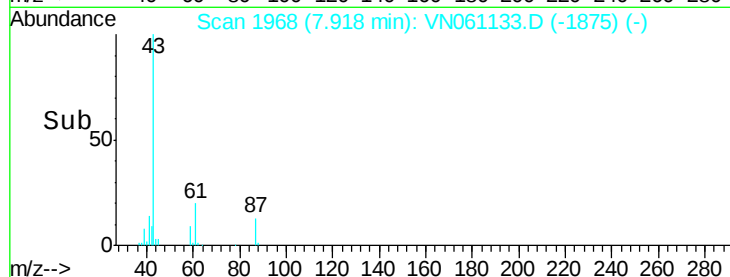
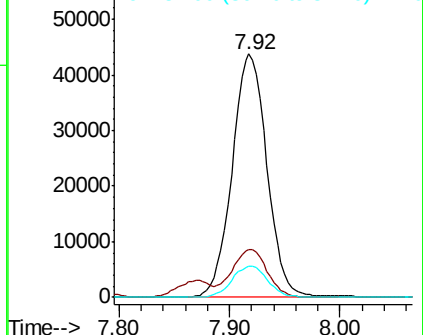
87 13.1 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-1948) (-)

Ion 61.00 (60.70 to 61.70): VN061128.D (-1948) (-)

Ion 87.00 (86.70 to 87.70): VN061128.D (-1948) (-)



#44

Trichloroethene

Concen: 19.175 ug/l

RT: 8.61 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VN061133.D

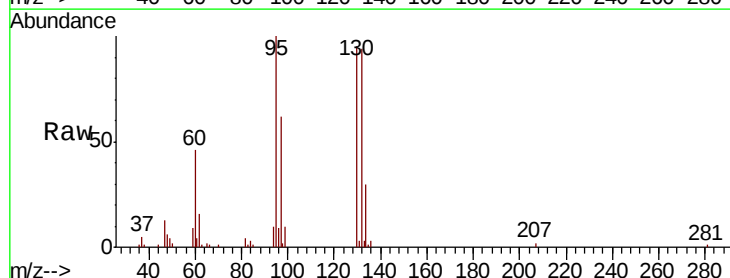
Acq: 22 Apr 2020 17:39

Tgt Ion: 130 Resp: 51740

Ion Ratio Lower Upper

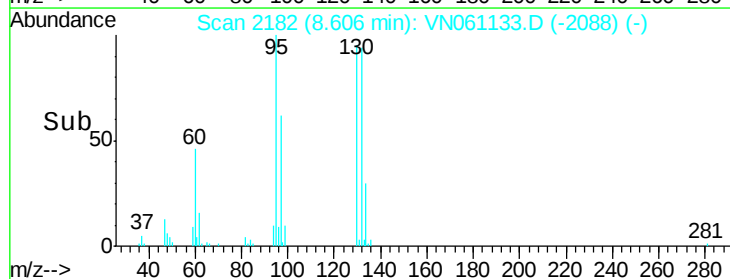
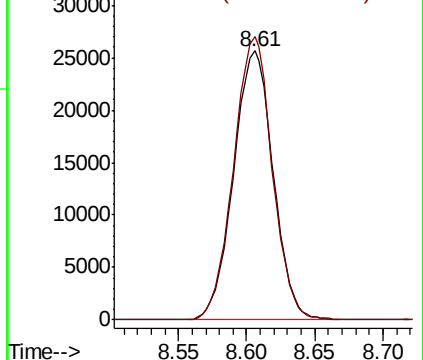
130 100

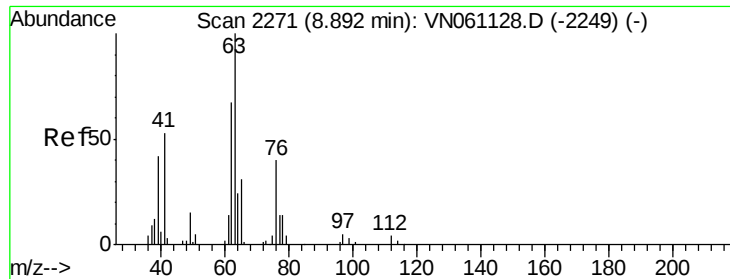
95 105.1 0.0 202.6



Abundance Ion 129.80 (129.50 to 130.50): VN061128.D (-2166) (-)

Ion 94.90 (94.60 to 95.60): VN061128.D (-2166) (-)

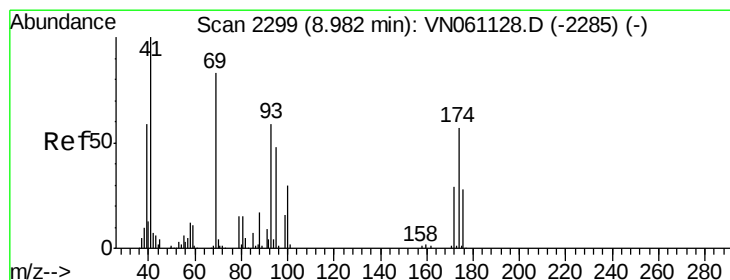
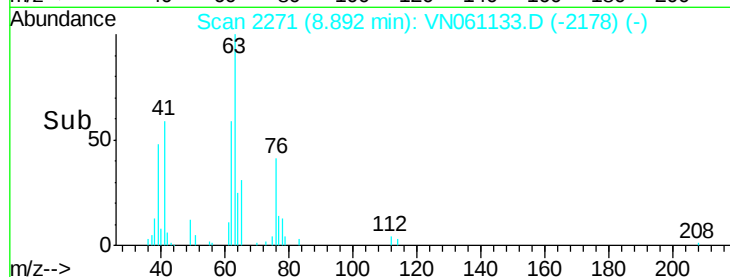
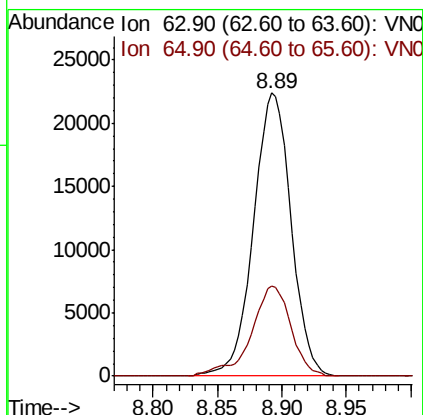
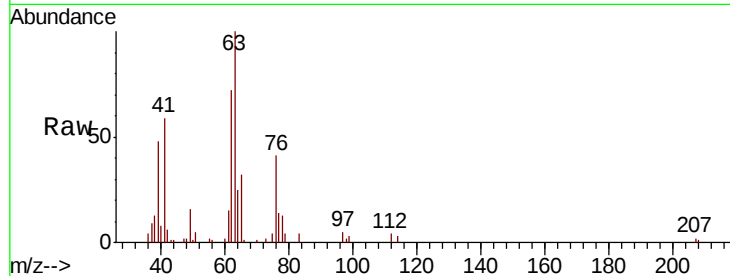




#45
 1,2-Dichloropropane
 Concen: 18.539 ug/l
 RT: 8.89 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

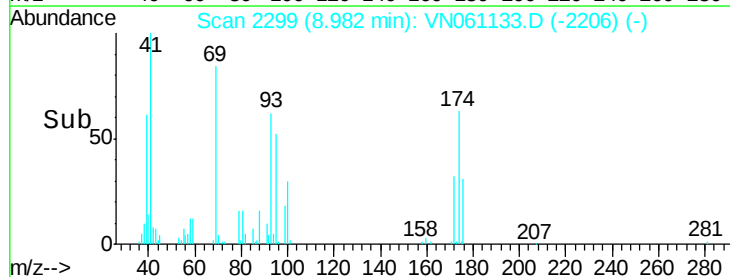
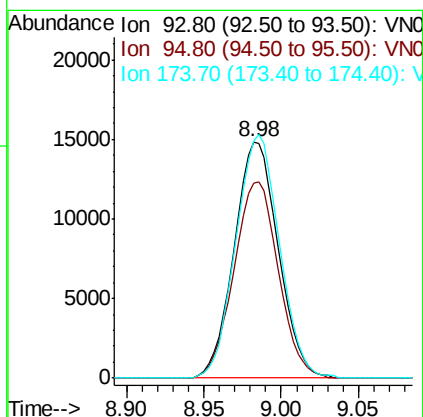
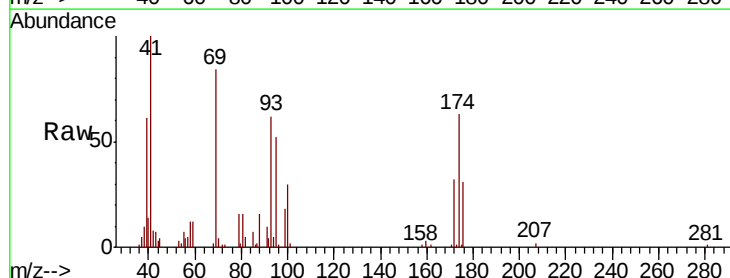
Instrument :
 MSVOA_V
 ClientSampled :

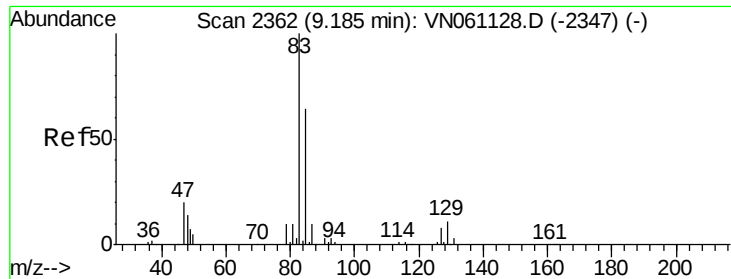
Tot Ion: 63 Resp: 45523
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.7 37.1



#46
 Dibromomethane
 Concen: 18.721 ug/l
 RT: 8.98 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion: 93 Resp: 29458
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.0 97.4
 174 102.0 77.8 116.6





#47

Bromodichloromethane

Concen: 19.350 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

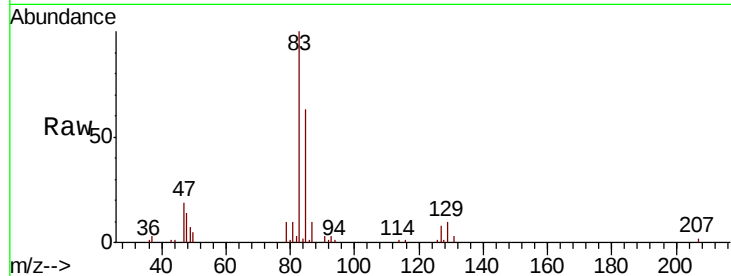
Tot Ion: 83 Resp: 60017

Ion Ratio Lower Upper

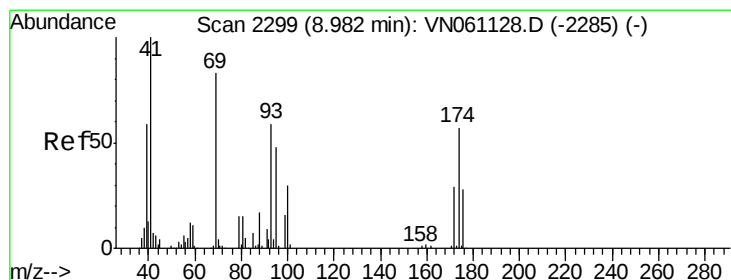
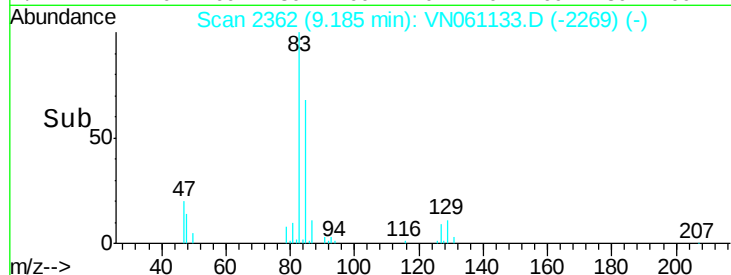
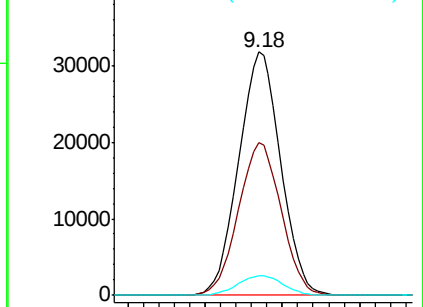
83 100

85 62.7 51.4 77.2

127 7.9 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 17.094 ug/l

RT: 8.98 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

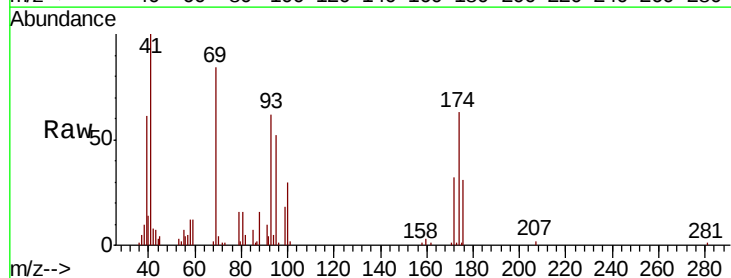
Tgt Ion: 41 Resp: 42942

Ion Ratio Lower Upper

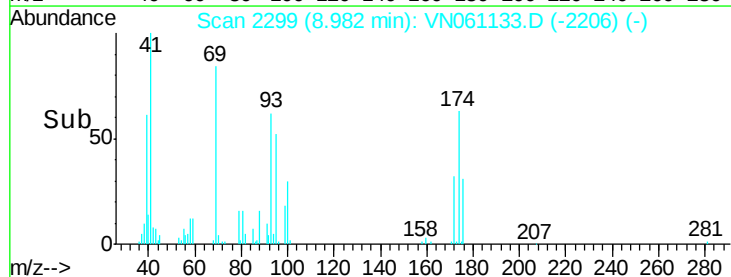
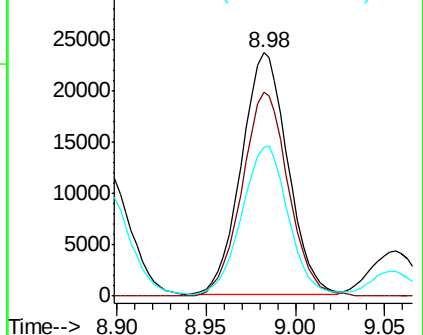
41 100

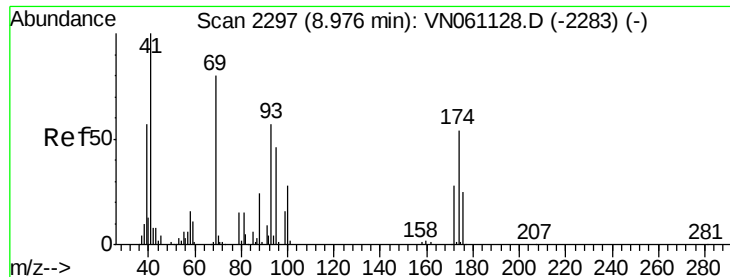
69 84.2 65.4 98.2

39 62.8 47.8 71.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

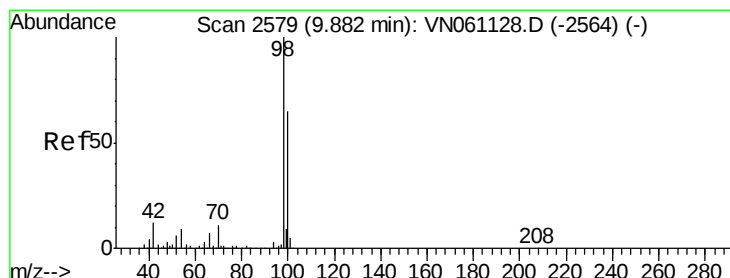
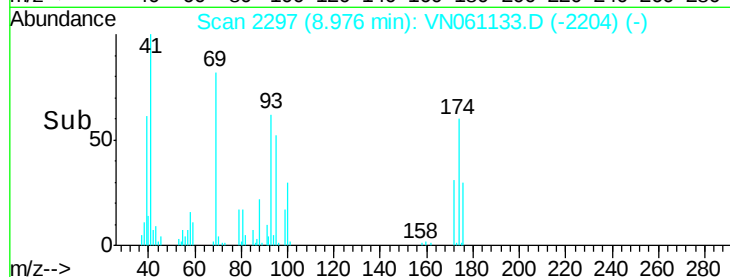
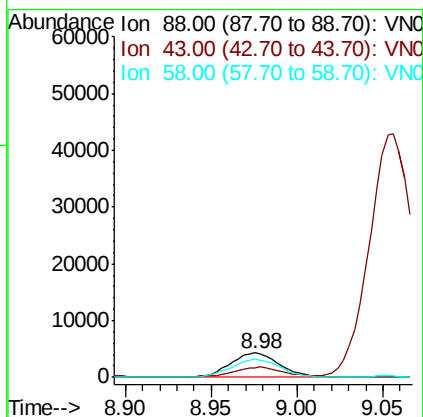
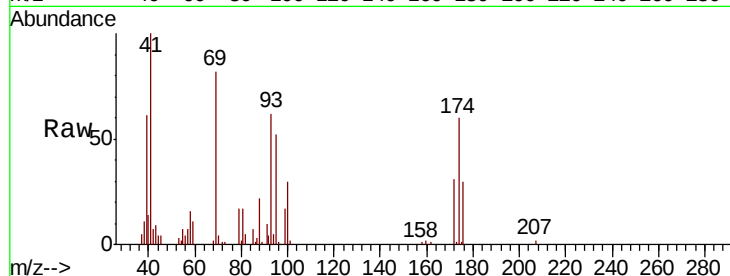




#49
1,4-Dioxane
Concen: 269.960 ug/l
RT: 8.98 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

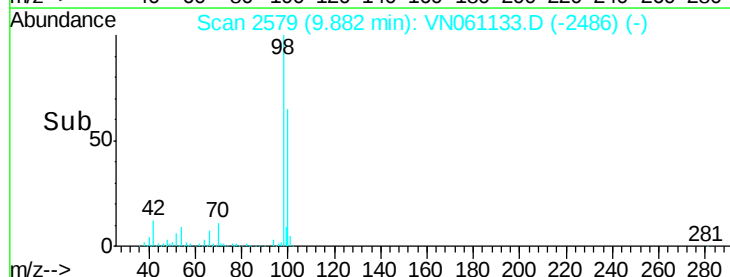
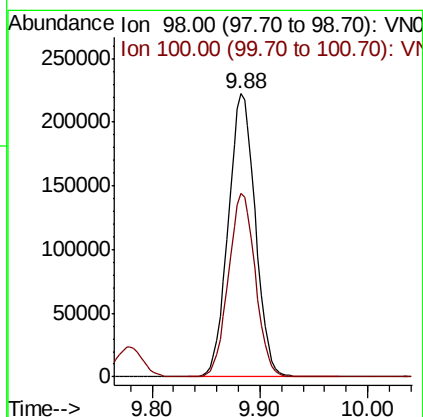
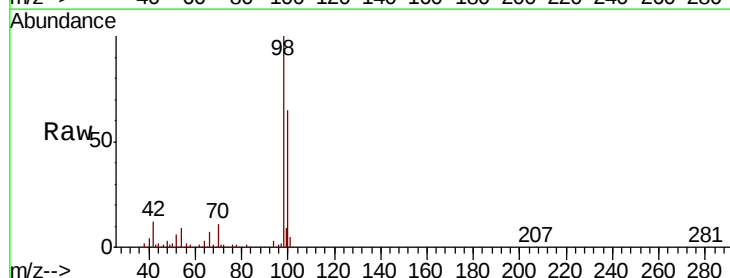
Instrument :
MSVOA_V
ClientSampleId :

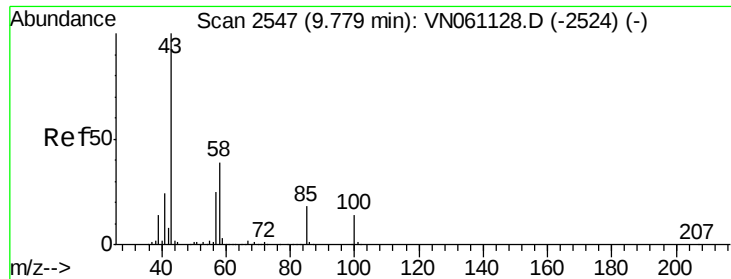
Tot Ion: 88 Resp: 8499
Ion Ratio Lower Upper
88 100
43 45.1 29.0 43.4#
58 74.1 57.8 86.6



#50
Toluene-d8
Concen: 49.574 ug/l
RT: 9.88 min Scan# 2579
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 98 Resp: 388805
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6

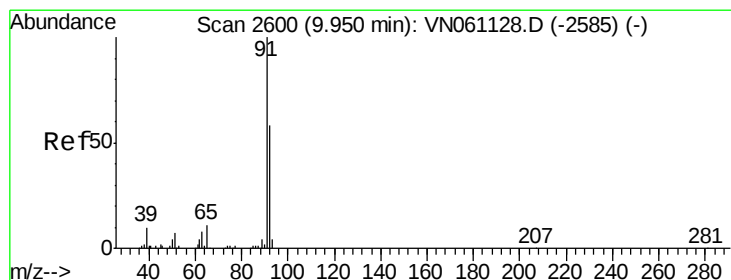
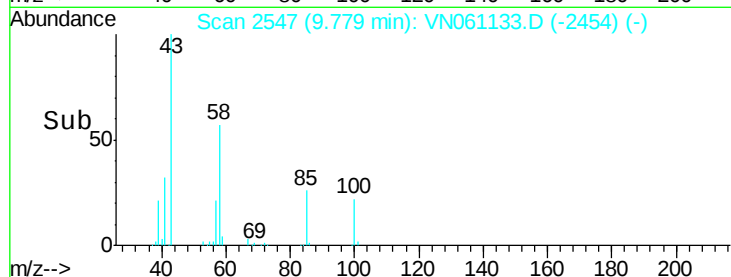
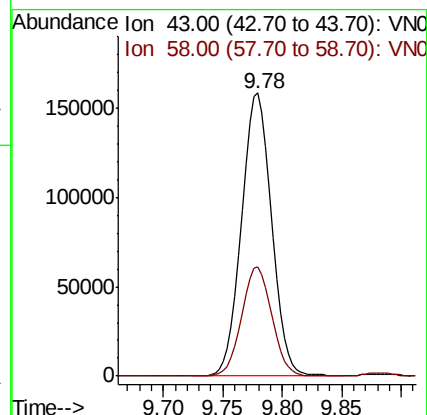
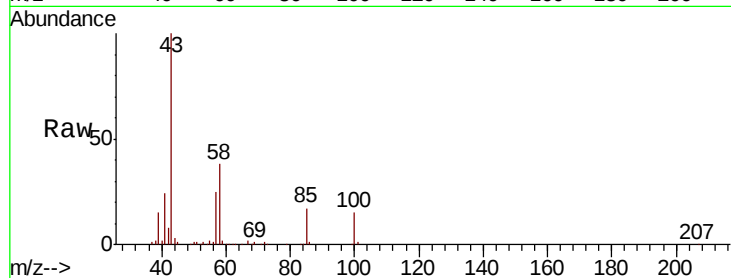




#51
4-Methyl-2-Pentanone
Concen: 89.219 ug/l
RT: 9.78 min Scan# 2547
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

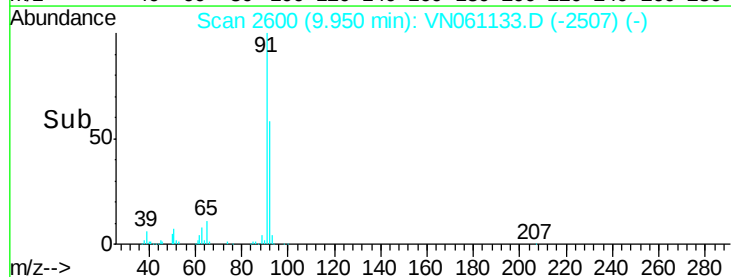
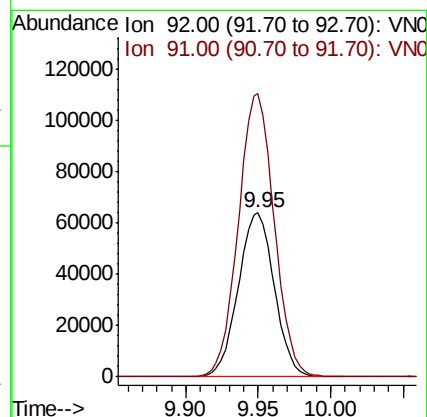
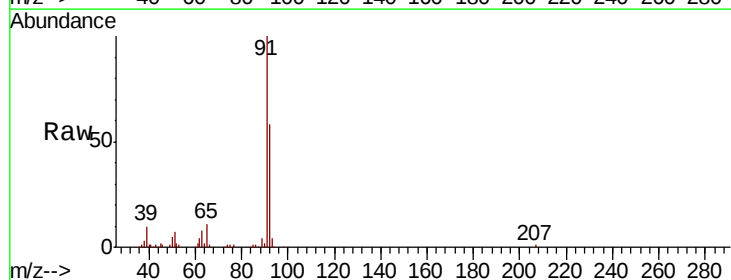
Instrument :
MSVOA_V
ClientSampleId :

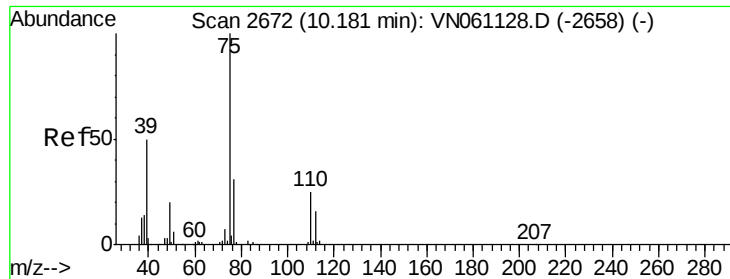
Tot Ion: 43 Resp: 277836
Ion Ratio Lower Upper
43 100
58 38.6 31.0 46.6



#52
Toluene
Concen: 18.939 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 92 Resp: 110038
Ion Ratio Lower Upper
92 100
91 172.5 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 18.488 ug/l

RT: 10.18 min Scan# 2672

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

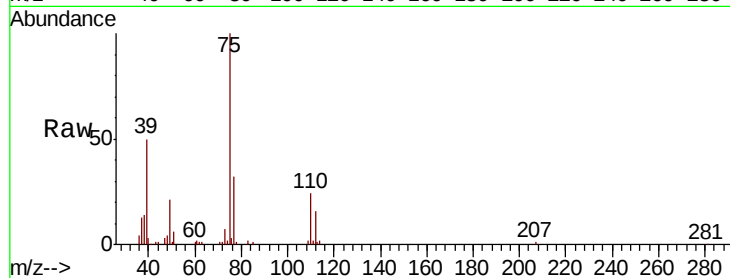
ClientSampleId :

Tot Ion: 75 Resp: 70173

Ion Ratio Lower Upper

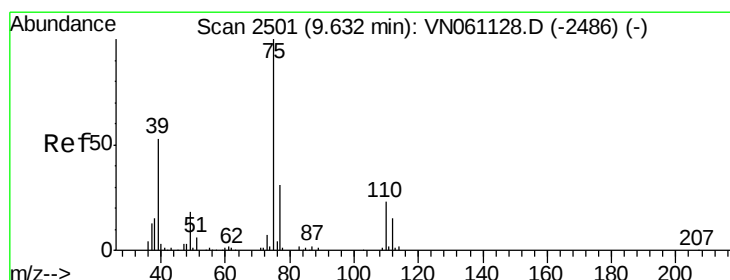
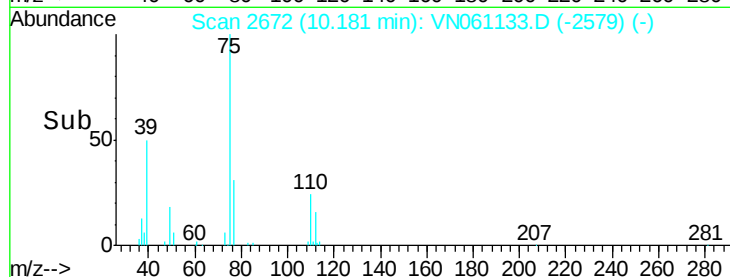
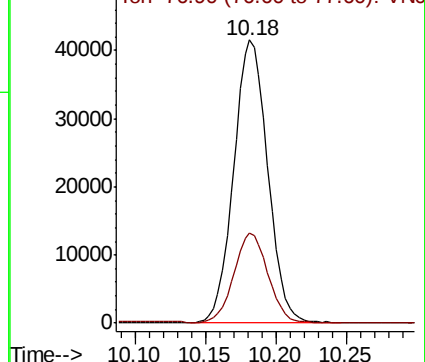
75 100

77 31.8 25.1 37.7



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: 18.879 ug/l

RT: 9.63 min Scan# 2501

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

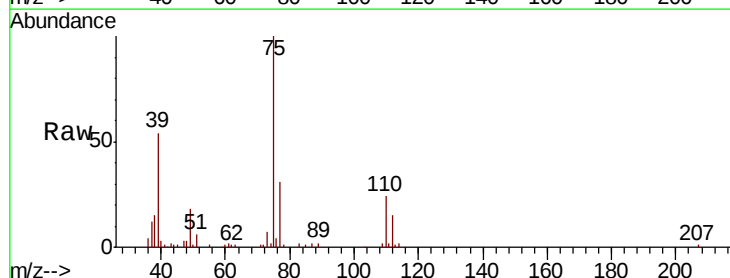
Tgt Ion: 75 Resp: 74547

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

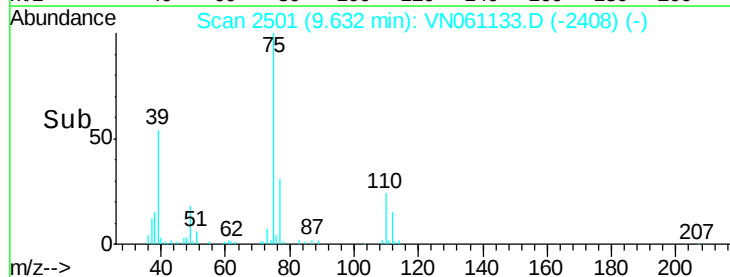
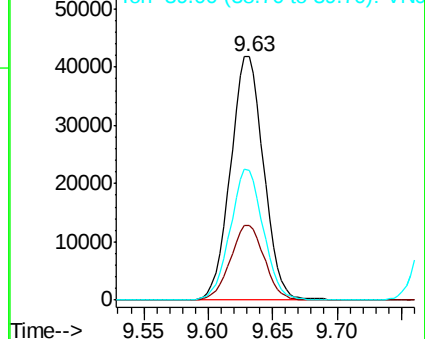
39 53.5 42.1 63.1

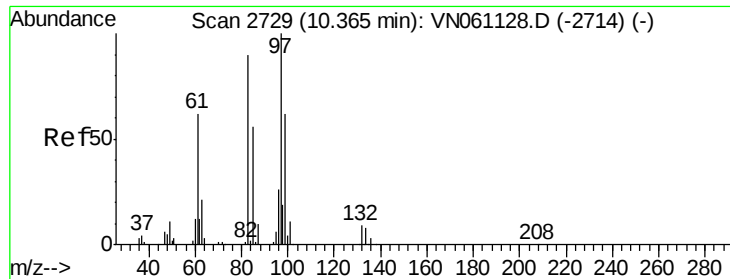


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

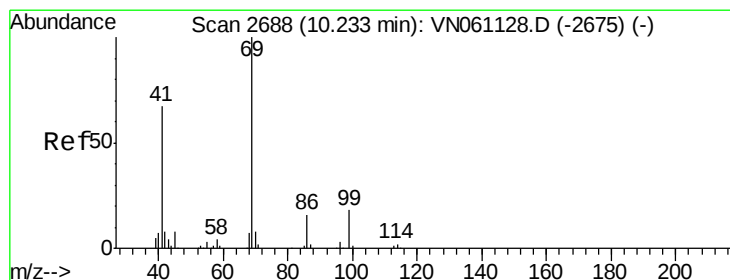
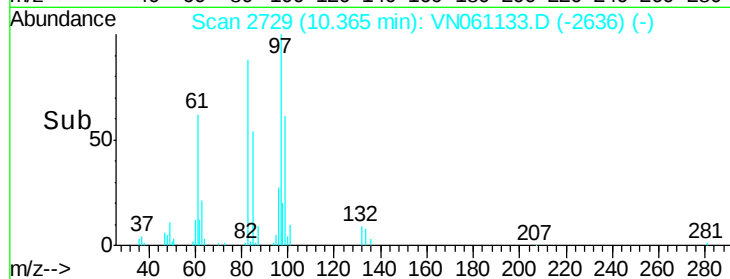
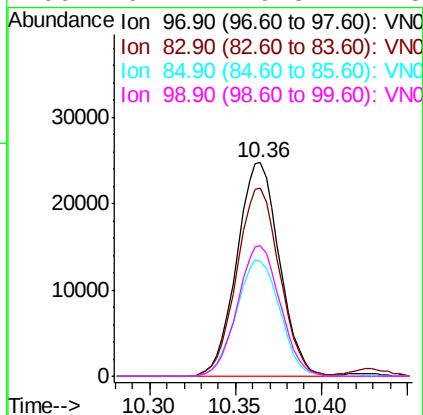
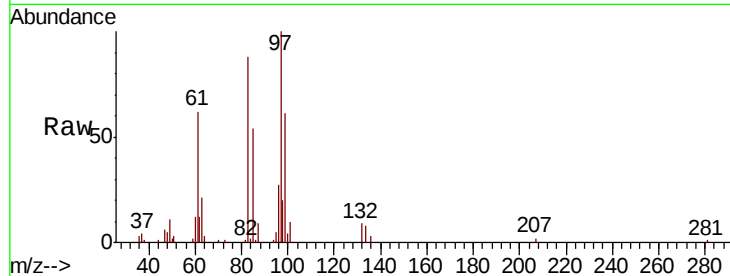




#55
 1,1,2-Trichloroethane
 Concen: 18.996 ug/l
 RT: 10.36 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

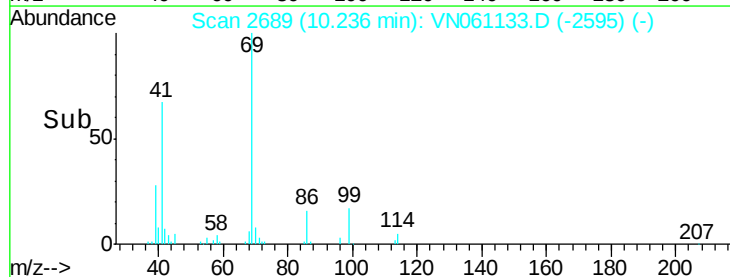
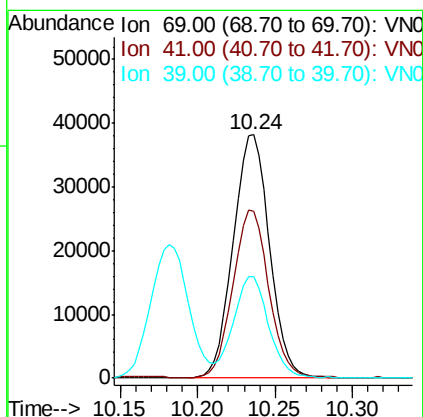
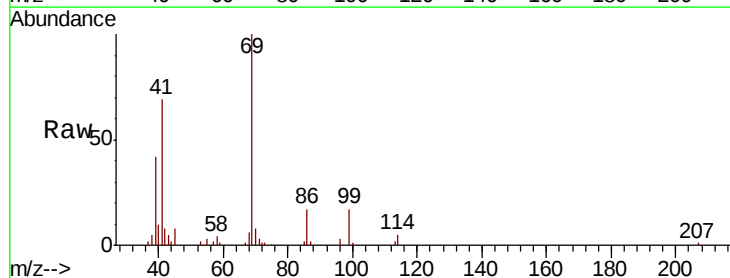
Instrument :
 MSVOA_V
 ClientSampleId :

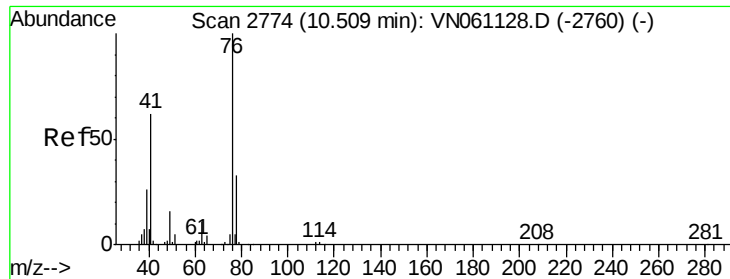
Tot Ion:	97	Resp:	42523
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.8	107.6
85	53.9	45.0	67.6
99	61.1	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 18.281 ug/l
 RT: 10.24 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion:	69	Resp:	62359
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.0	81.0
39	40.5	31.4	47.0

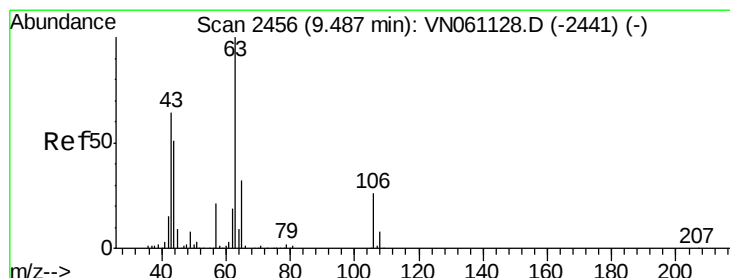
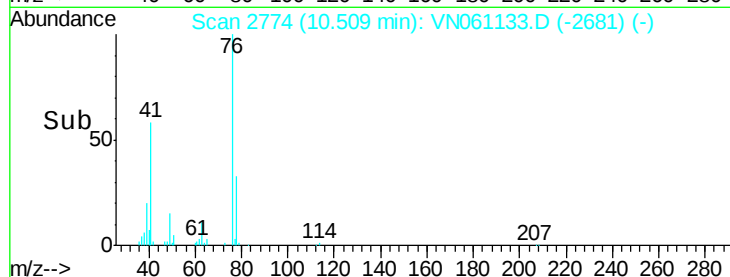
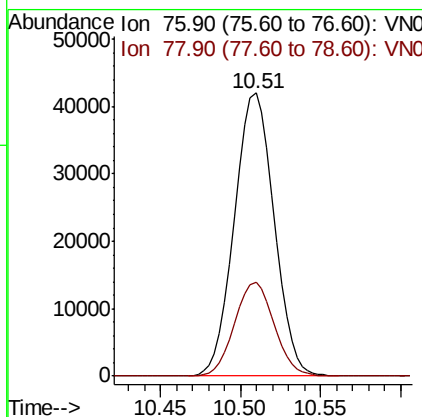
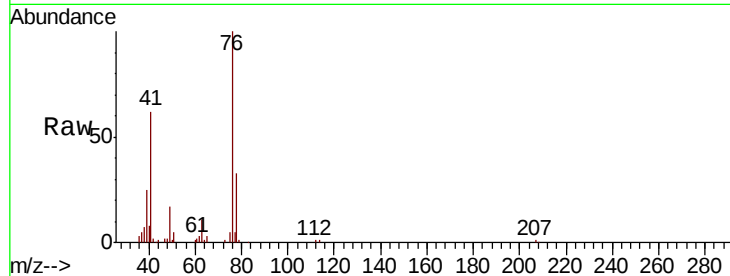




#57
 1,3-Dichloropropane
 Concen: 18.729 ug/l
 RT: 10.51 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

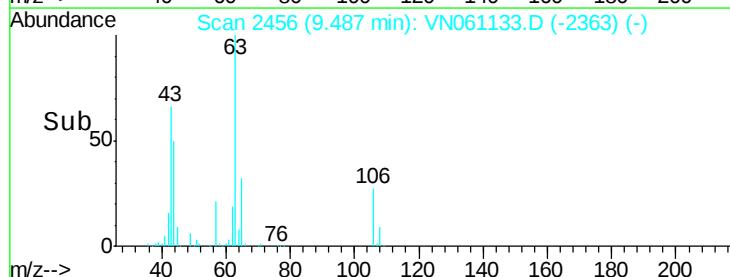
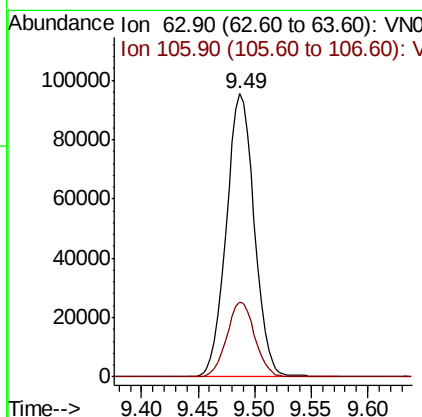
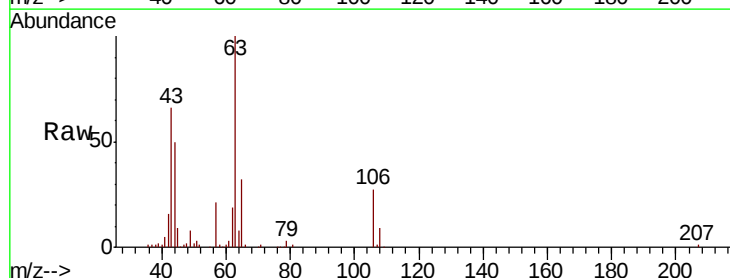
Instrument :
 MSVOA_V
 ClientSampleId :

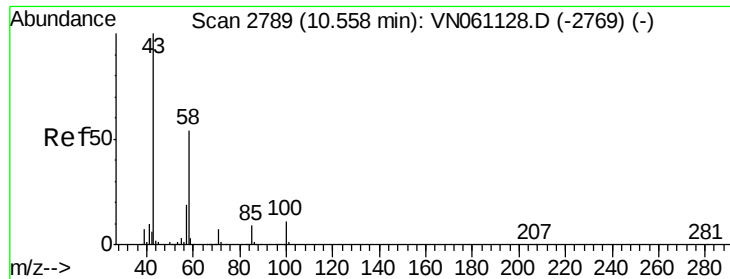
Tot Ion: 76 Resp: 71153
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.610 ug/l
 RT: 9.49 min Scan# 2456
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion: 63 Resp: 164636
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.3 31.9

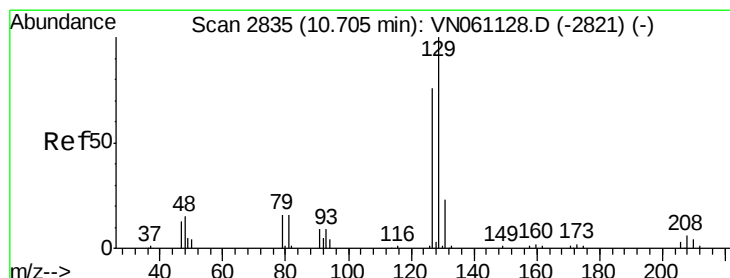
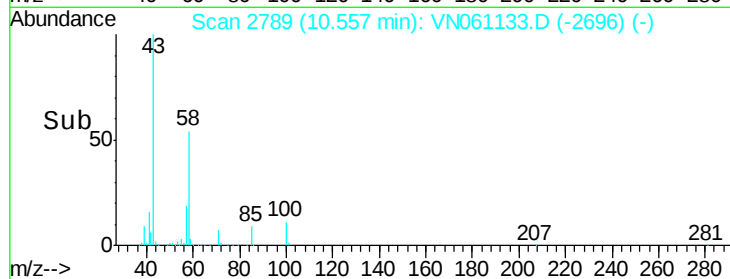
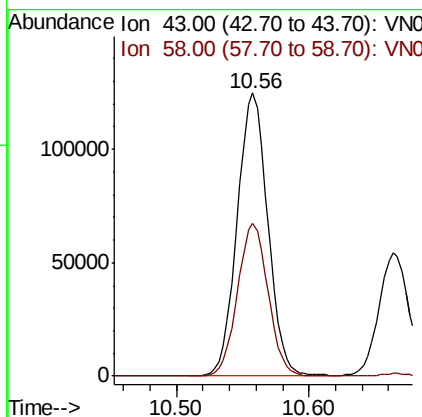
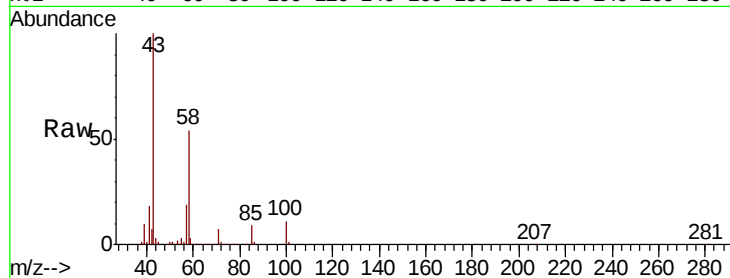




#59
2-Hexanone
Concen: 86.893 ug/l
RT: 10.56 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

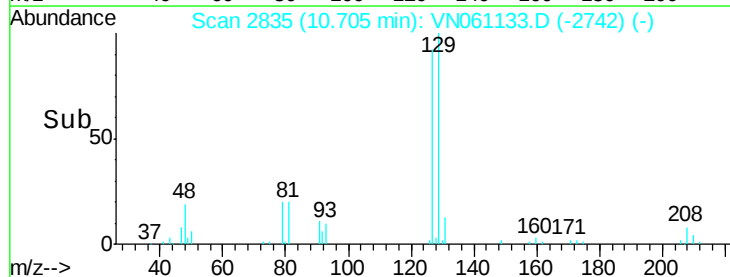
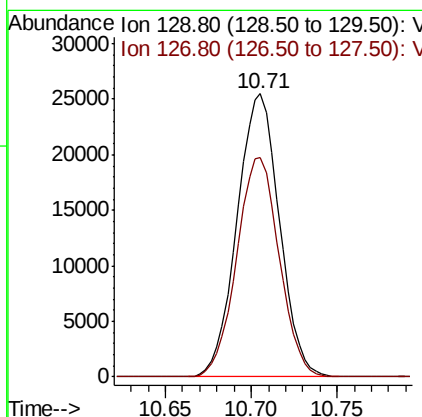
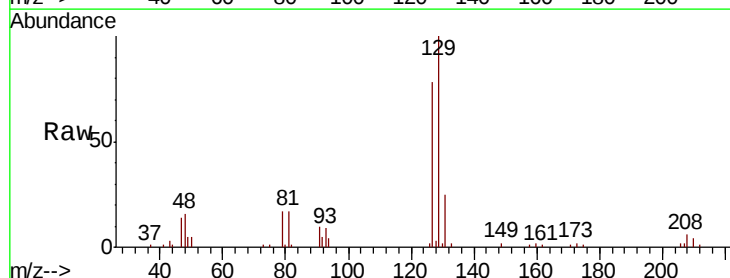
Instrument :
MSVOA_V
ClientSampleId :

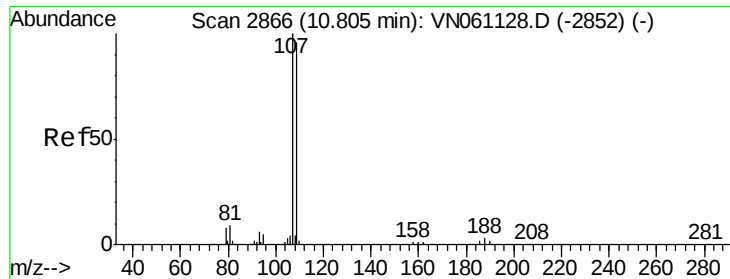
Tot Ion: 43 Resp: 199903
Ion Ratio Lower Upper
43 100
58 54.0 26.9 80.6



#60
Dibromochloromethane
Concen: 18.665 ug/l
RT: 10.71 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 129 Resp: 43690
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





#61

1,2-Dibromoethane

Concen: 18.922 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

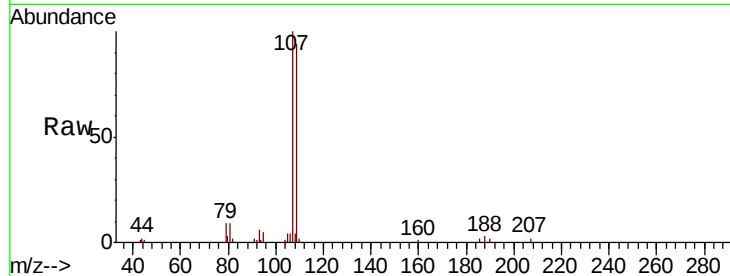
ClientSampleId :

Tot Ion: 107 Resp: 43651

Ion Ratio Lower Upper

107 100

109 95.6 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.81

25000

20000

15000

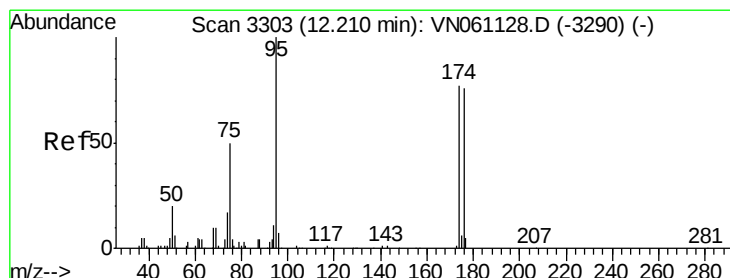
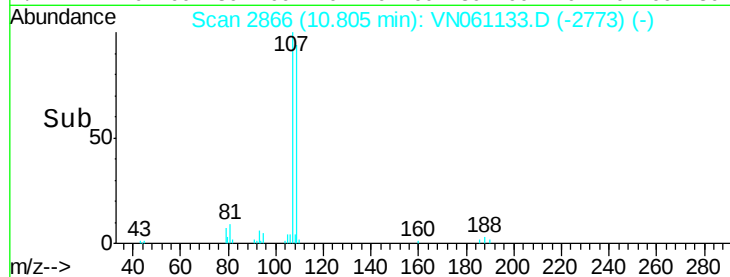
10000

5000

0

Time-->

10.75 10.80 10.85



#62

4-Bromofluorobenzene

Concen: 48.902 ug/l

RT: 12.21 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

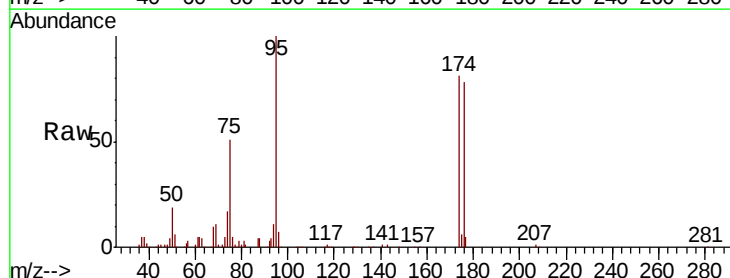
Tgt Ion: 95 Resp: 143641

Ion Ratio Lower Upper

95 100

174 80.3 0.0 157.6

176 77.7 0.0 154.4



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

12.21

120000

100000

80000

60000

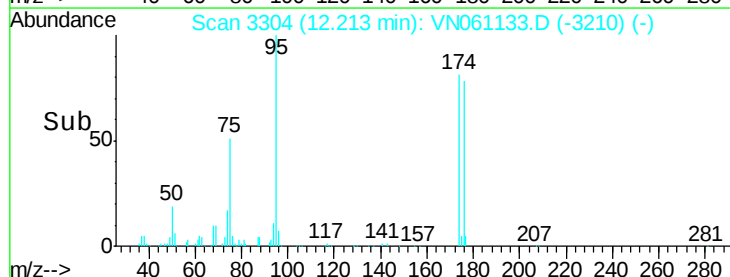
40000

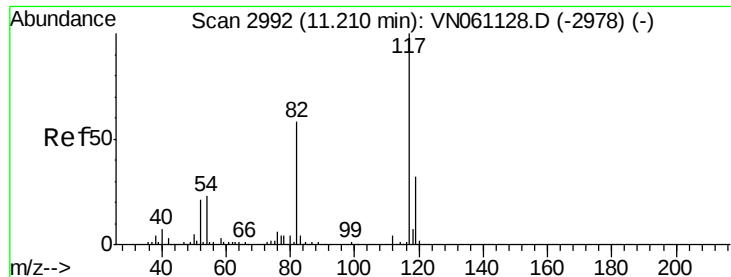
20000

0

Time-->

12.15 12.20 12.25 12.30

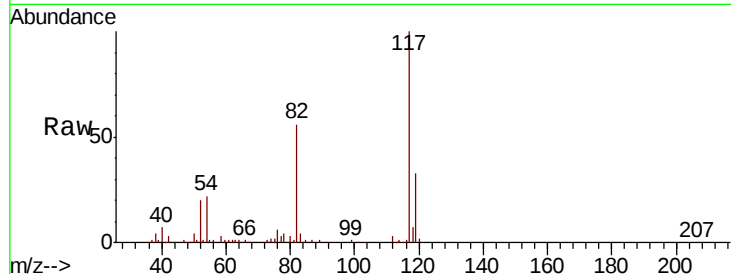




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.21 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	46.0	69.0
119	32.6	25.9	38.9

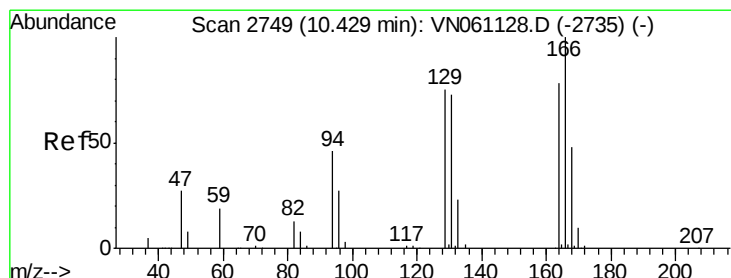
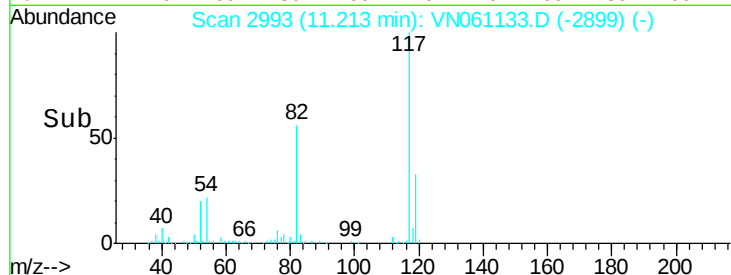
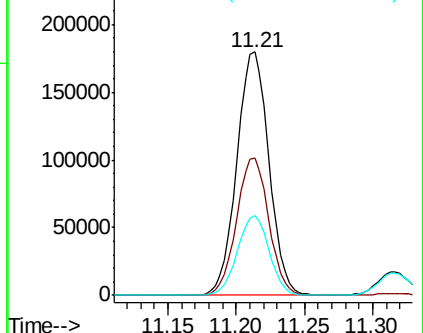


Abundance

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: 19.365 ug/l
RT: 10.43 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.9	152.9
129	95.3	76.5	114.7
131	92.8	74.2	111.4

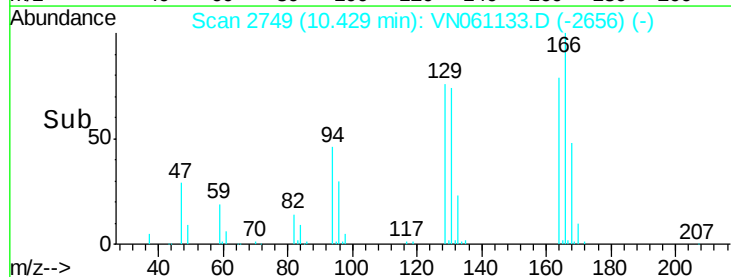
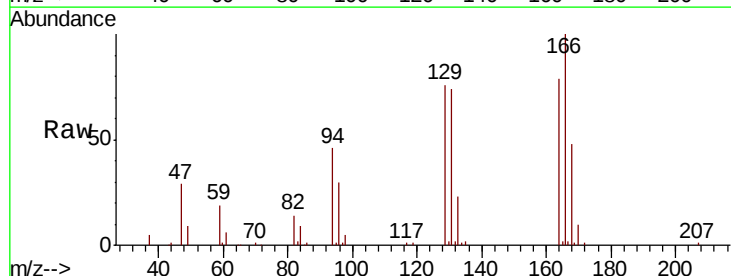
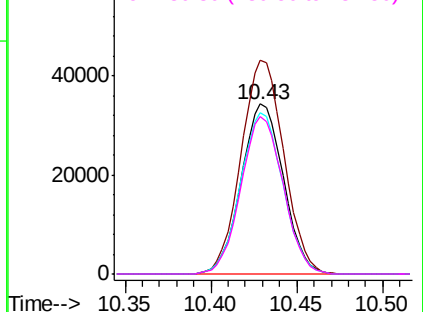
Abundance

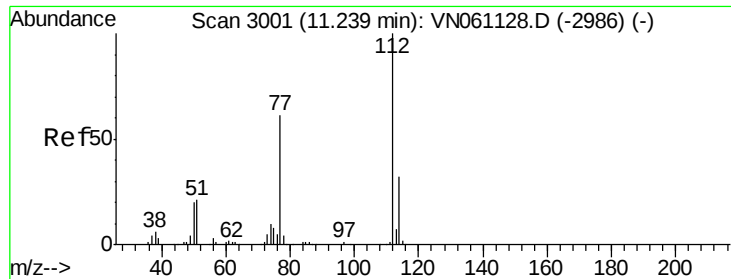
Ion 163.80 (163.50 to 164.50): V

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

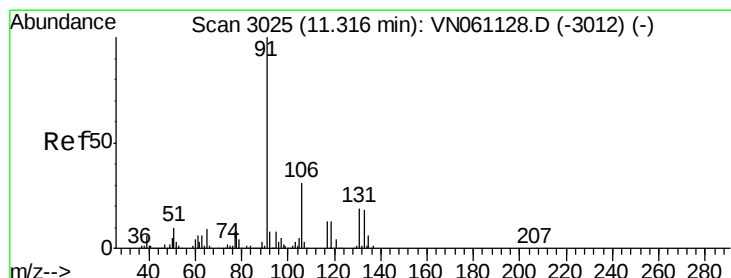
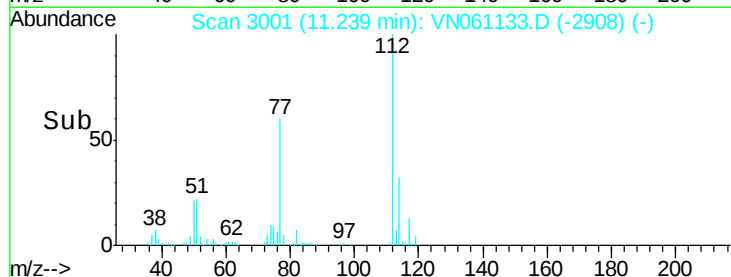
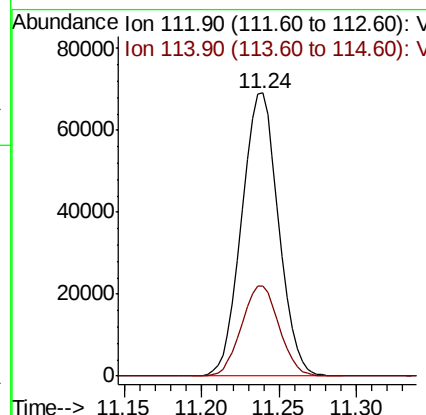
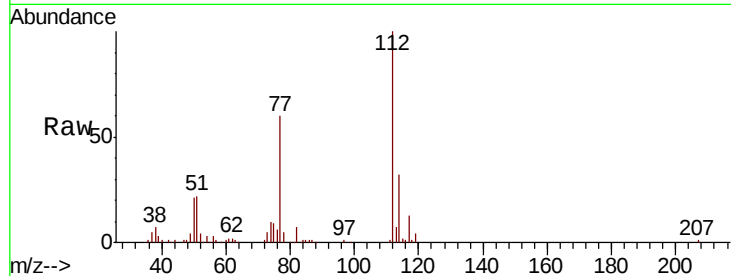




#65
Chlorobenzene
Concen: 19.099 ug/l
RT: 11.24 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

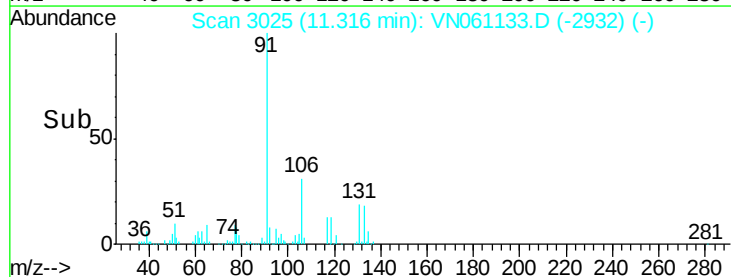
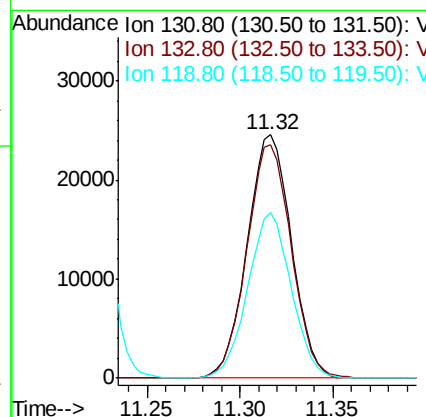
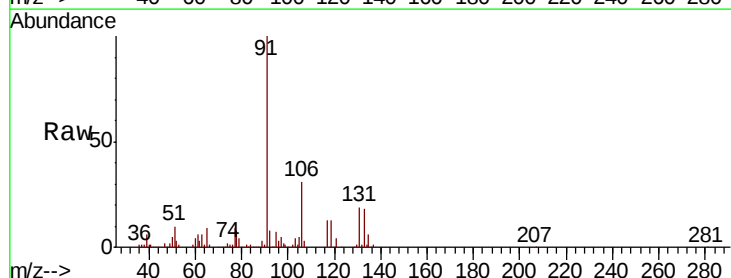
Instrument :
MSVOA_V
ClientSampleId :

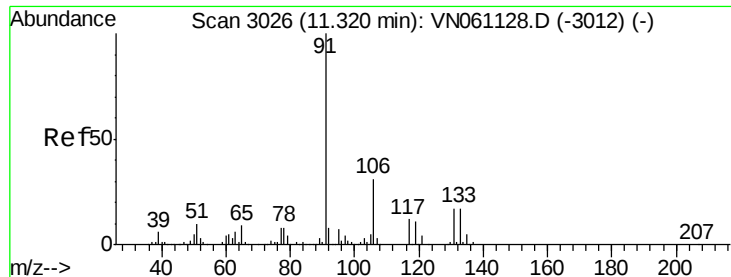
Tot Ion:112 Resp: 114448
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.220 ug/l
RT: 11.32 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion:131 Resp: 40817
Ion Ratio Lower Upper
131 100
133 96.7 48.2 144.6
119 66.9 33.1 99.5

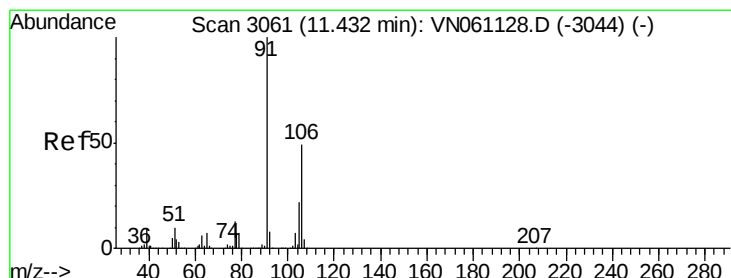
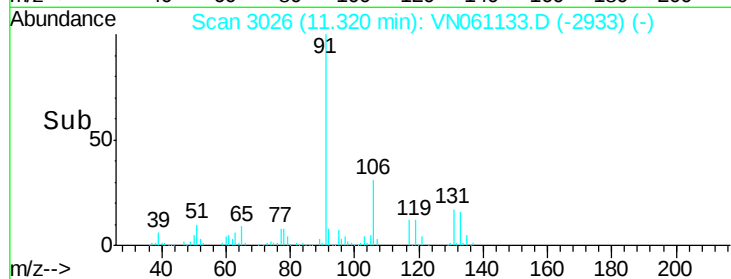
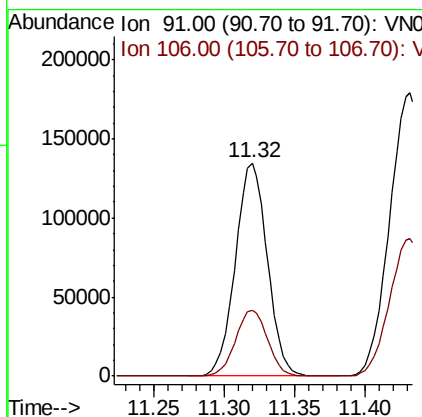
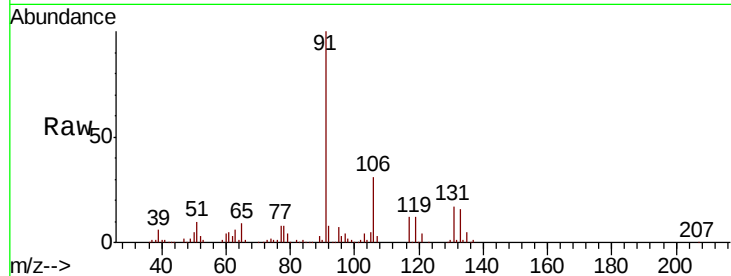




#67
Ethyl Benzene
Concen: 19.158 ug/l
RT: 11.32 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

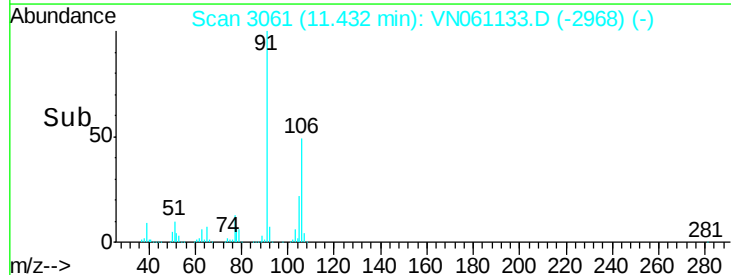
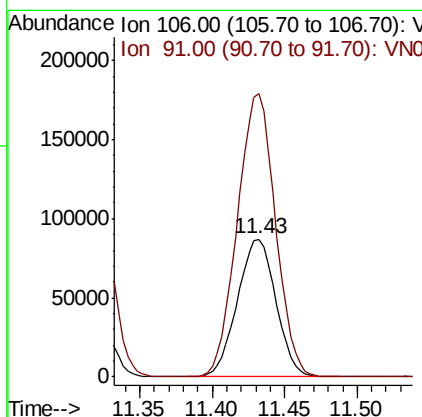
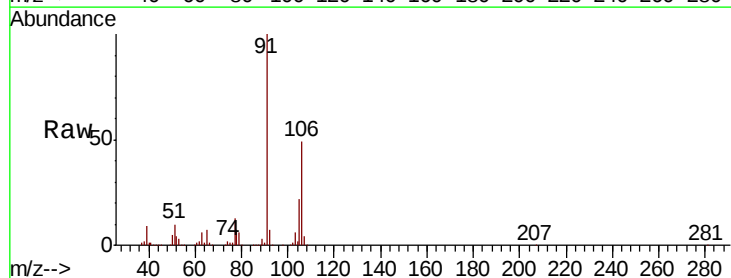
Instrument :
MSVOA_V
ClientSampled :

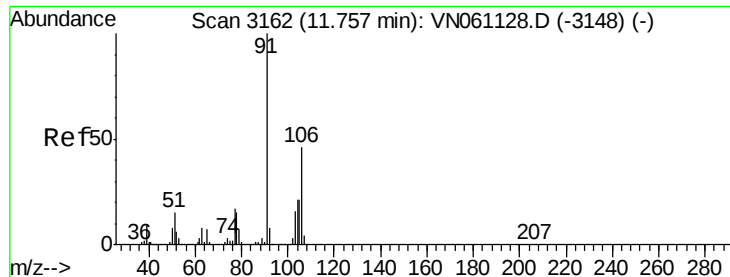
Tot Ion: 91 Resp: 213782
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 38.551 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 106 Resp: 160643
Ion Ratio Lower Upper
106 100
91 204.1 163.9 245.9

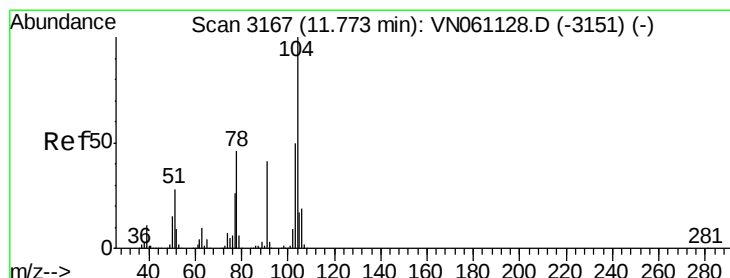
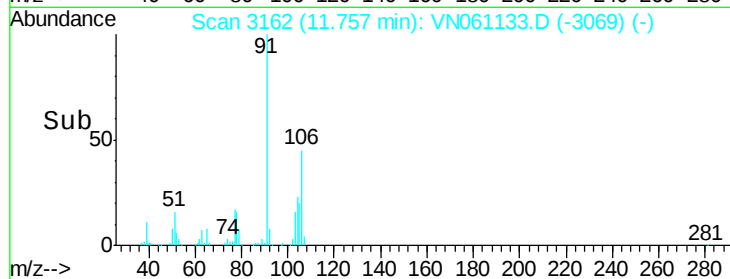
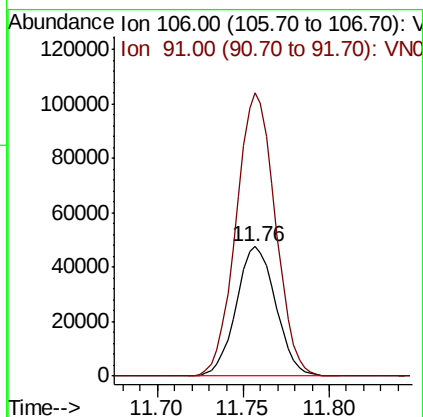
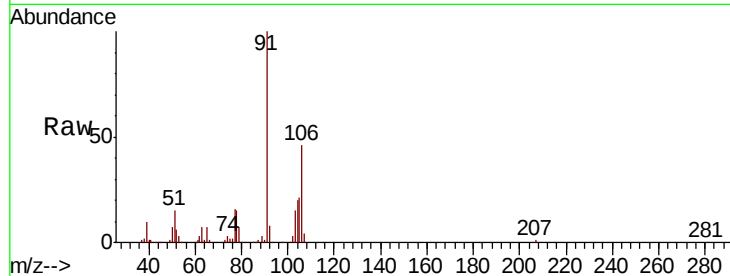




#69
o-Xylene
Concen: 18.974 ug/l
RT: 11.76 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

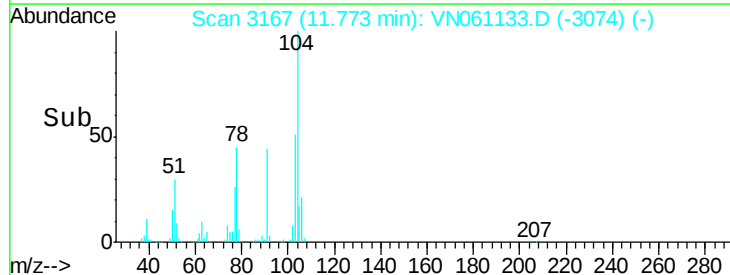
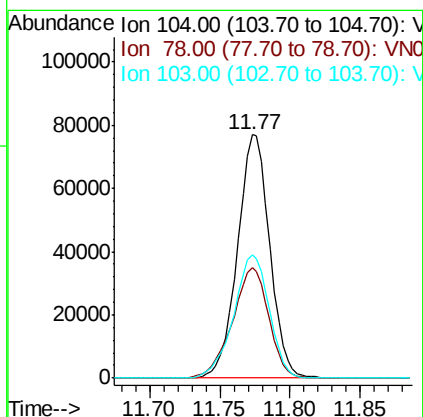
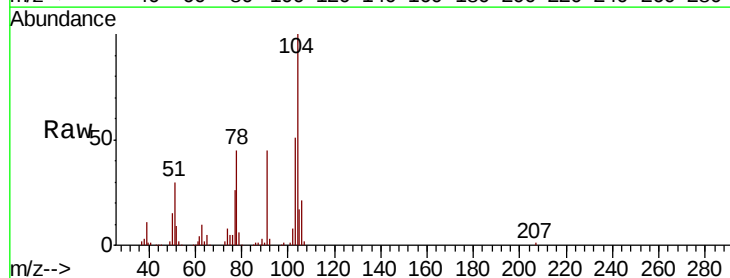
Instrument :
MSVOA_V
ClientSampleId :

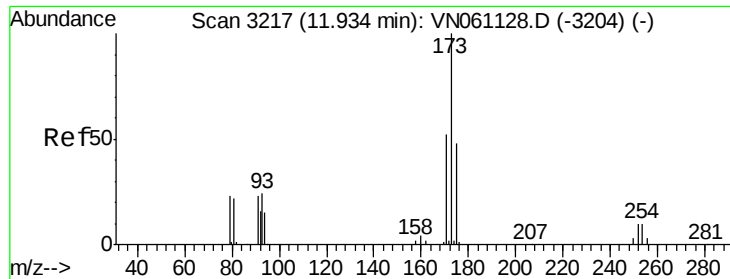
Tot Ion:106 Resp: 76338
Ion Ratio Lower Upper
106 100
91 216.1 107.6 322.8



#70
Styrene
Concen: 18.941 ug/l
RT: 11.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion:104 Resp: 123414
Ion Ratio Lower Upper
104 100
78 51.0 40.6 61.0
103 55.9 43.7 65.5

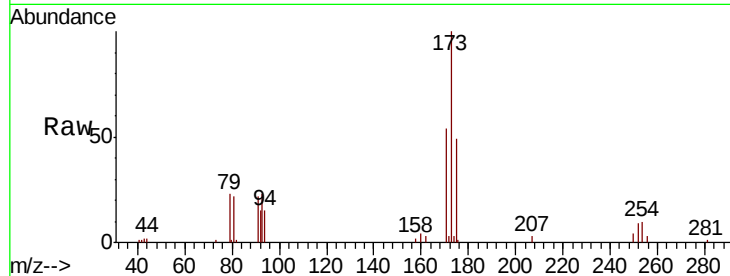




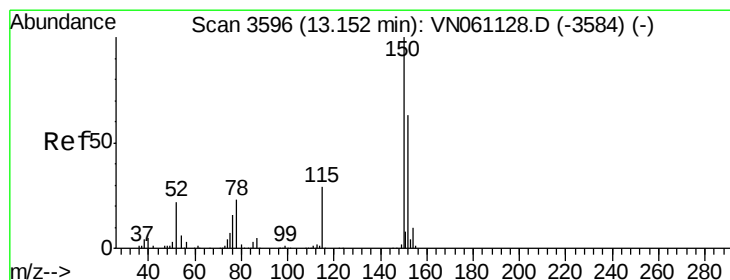
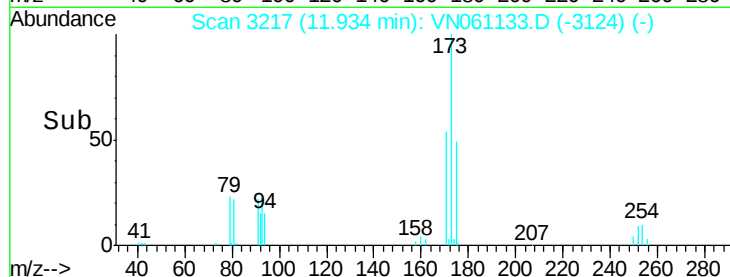
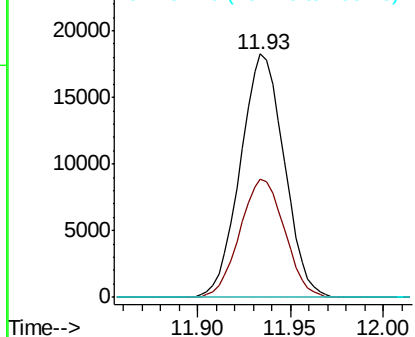
#71
Bromoform
Concen: 18.708 ug/l
RT: 11.93 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:173 Resp: 29952
Ion Ratio Lower Upper
173 100
175 49.6 23.9 71.8
254 0.0 0.0 0.0

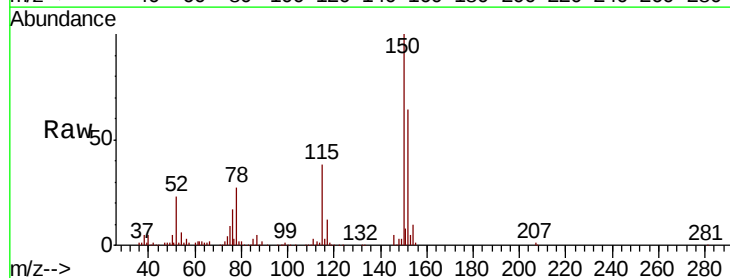


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

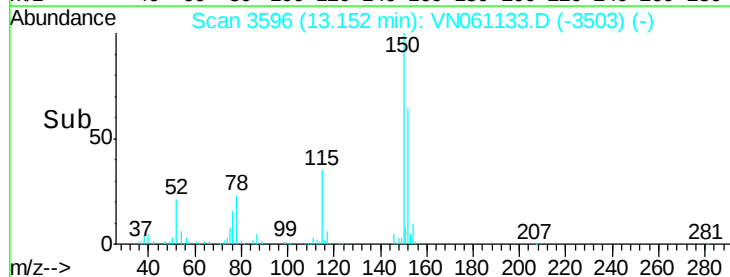
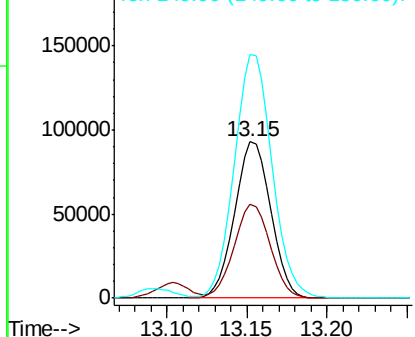


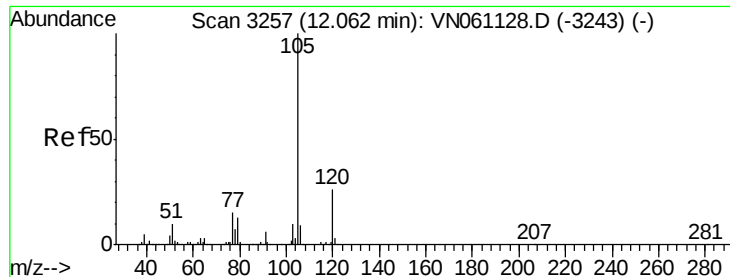
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.15 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion:152 Resp: 142819
Ion Ratio Lower Upper
152 100
115 60.1 29.8 89.5
150 163.4 0.0 348.6



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





#73

Isopropylbenzene

Concen: 19.095 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

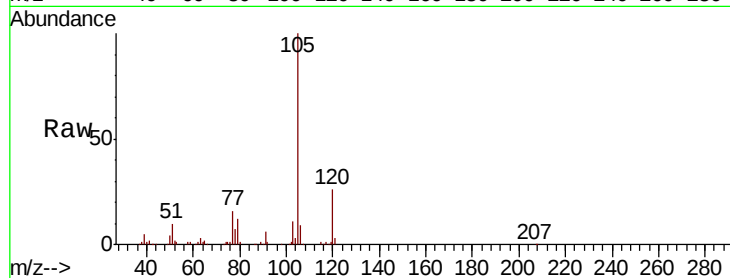
ClientSampleId :

Tot Ion:105 Resp: 206031

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.06

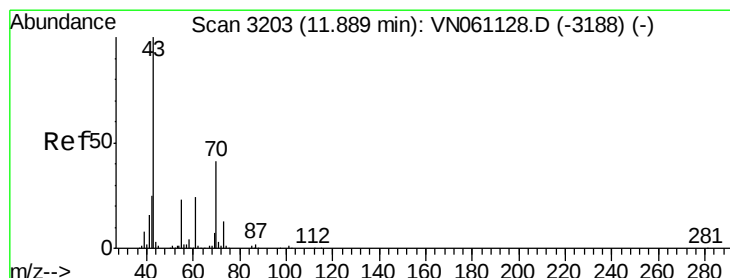
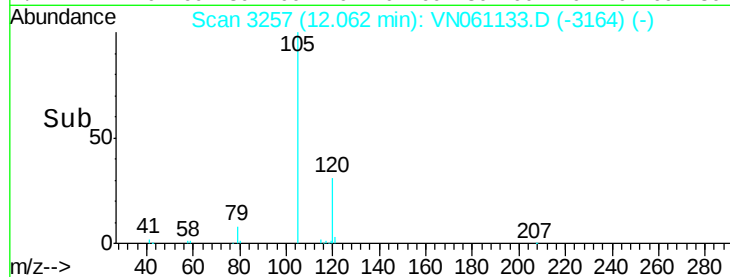
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.632 ug/l

RT: 11.89 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Tgt Ion: 43 Resp: 85518

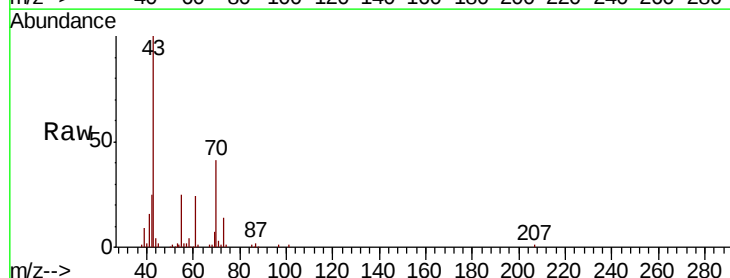
Ion Ratio Lower Upper

43 100

70 40.7 32.5 48.7

55 24.7 19.0 28.6

61 24.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

11.89

80000

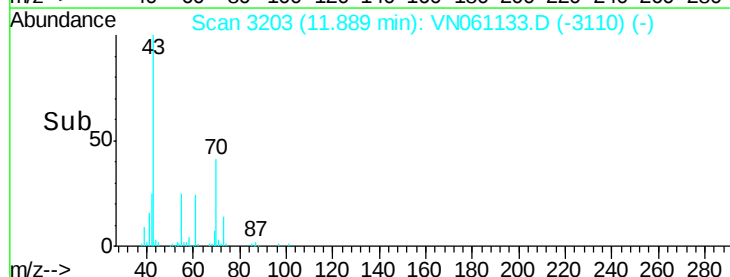
60000

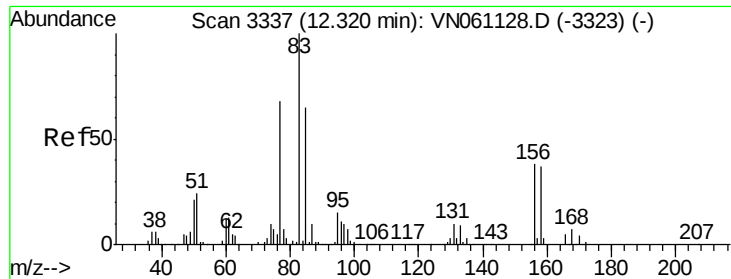
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.098 ug/l

RT: 12.32 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

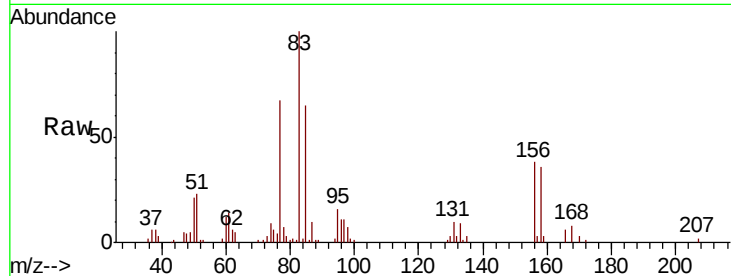
Tot Ion: 83 Resp: 55222

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

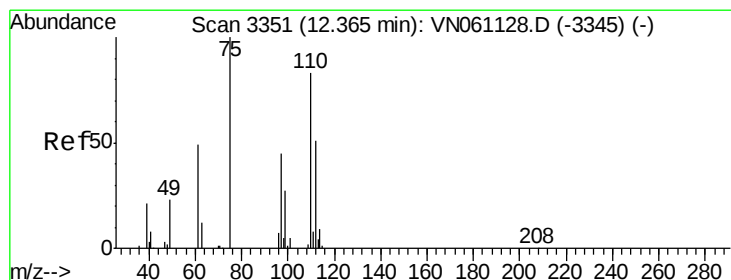
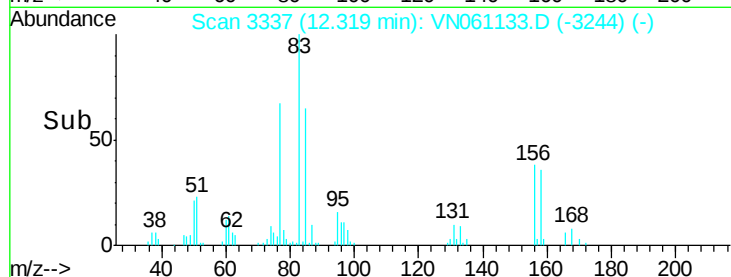
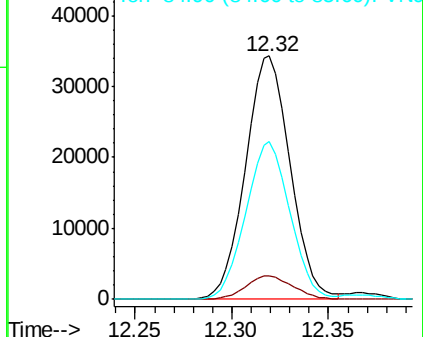
85 64.0 31.9 95.5



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: 24.239 ug/l

RT: 12.36 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN061133.D

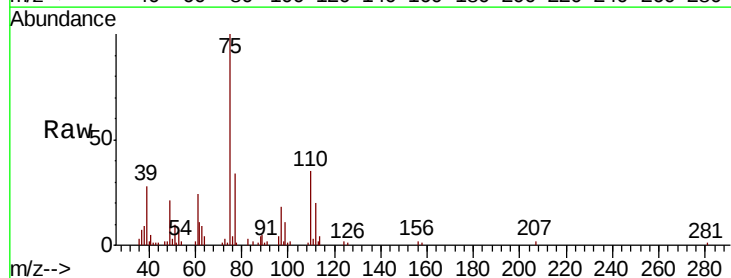
Acq: 22 Apr 2020 17:39

Tgt Ion: 75 Resp: 79851

Ion Ratio Lower Upper

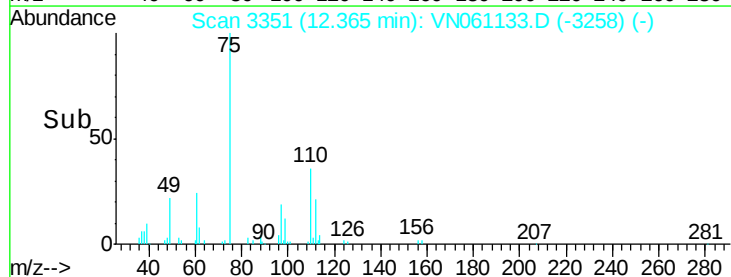
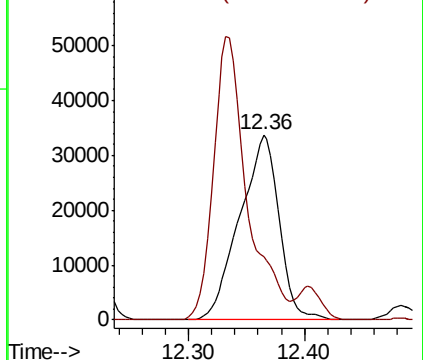
75 100

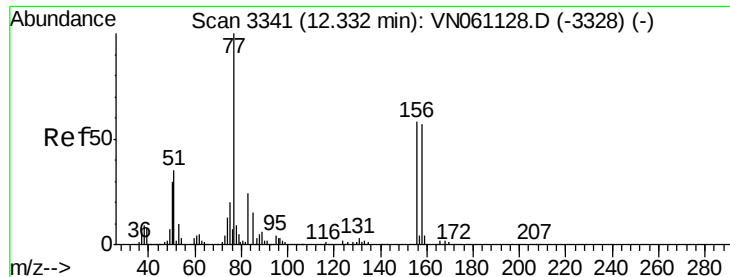
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

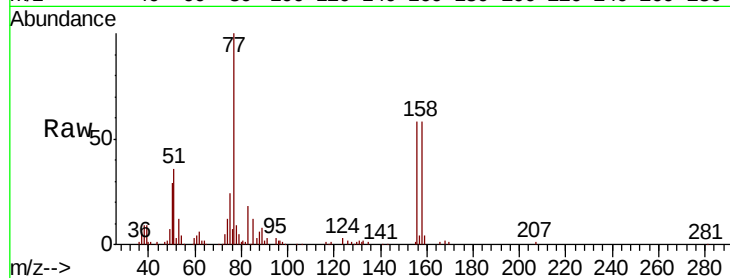




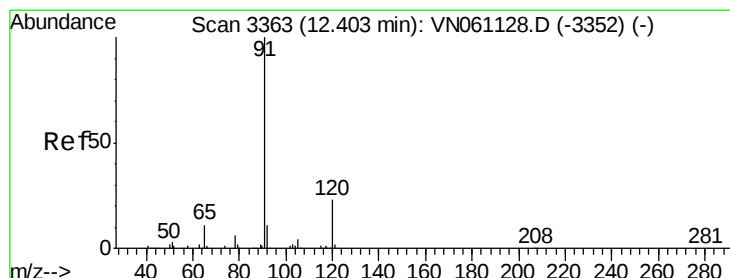
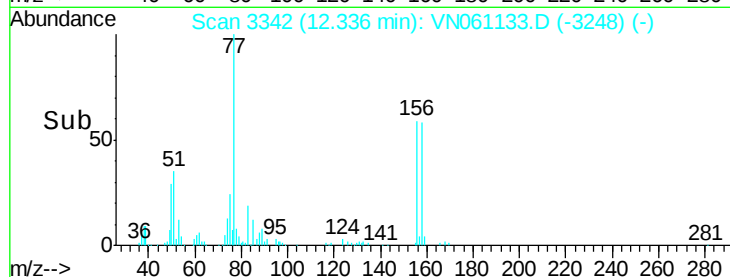
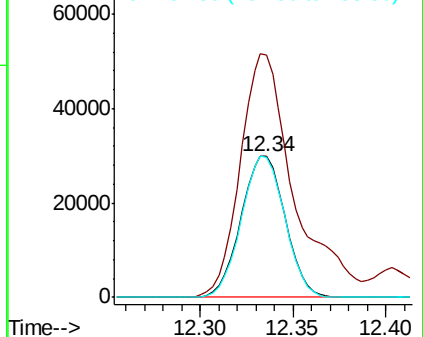
#77
Bromobenzene
Concen: 18.909 ug/l
RT: 12.34 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:156 Resp: 49709
Ion Ratio Lower Upper
156 100
77 210.1 105.7 317.1
158 98.1 48.3 144.9

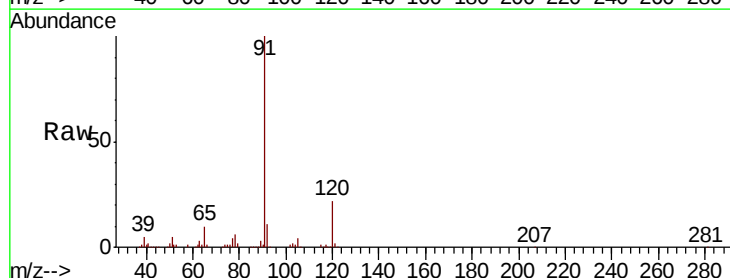


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V

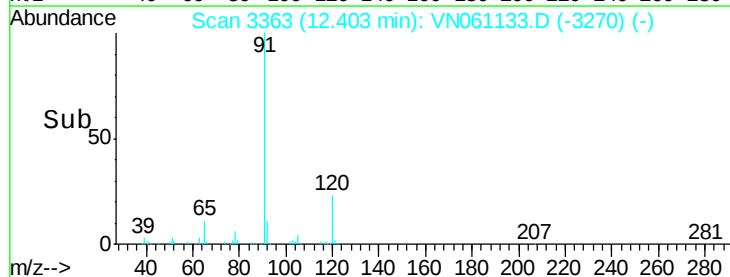
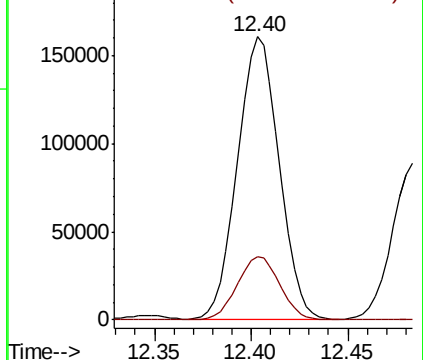


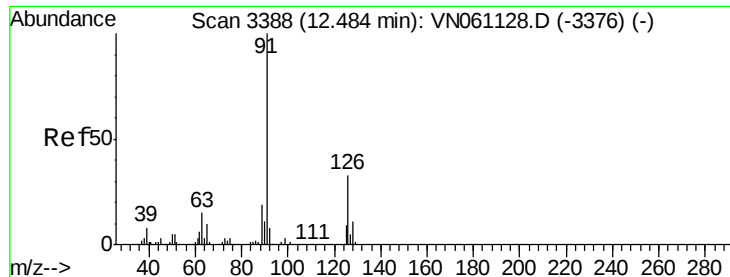
#78
n-propylbenzene
Concen: 18.988 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 91 Resp: 240303
Ion Ratio Lower Upper
91 100
120 22.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.803 ug/l

RT: 12.48 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

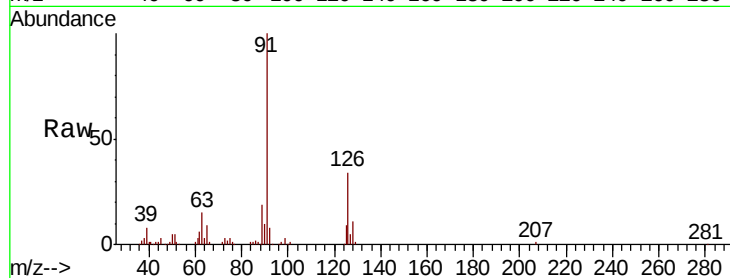
ClientSampleId :

Tot Ion: 91 Resp: 138175

Ion Ratio Lower Upper

91 100

126 33.8 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN061128.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN061128.D (-3376) (-)

150000

100000

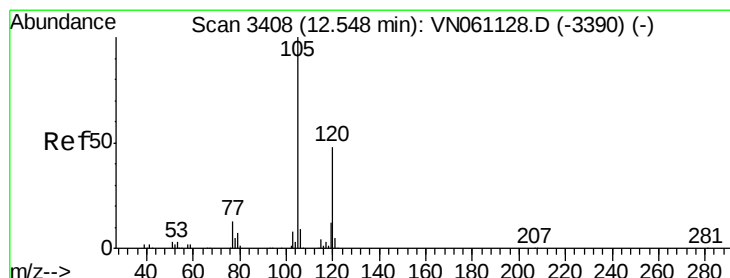
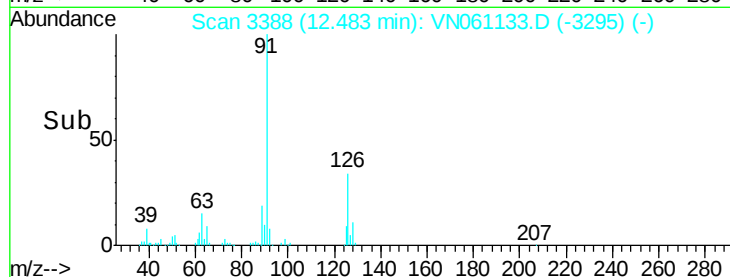
50000

0

12.45

12.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.864 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN061133.D

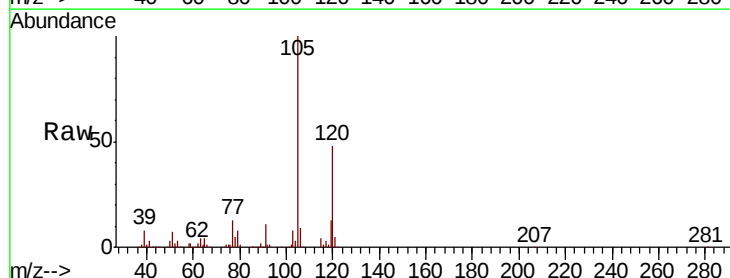
Acq: 22 Apr 2020 17:39

Tgt Ion: 105 Resp: 171513

Ion Ratio Lower Upper

105 100

120 48.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN061128.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN061128.D (-3390) (-)

100000

50000

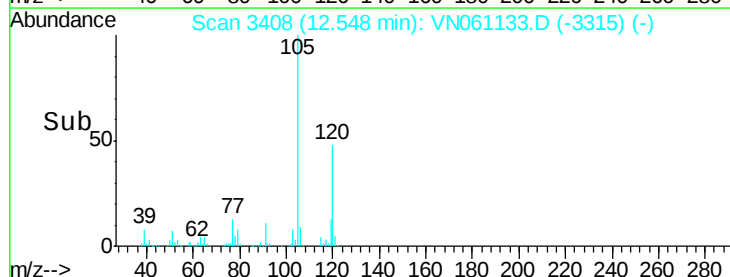
0

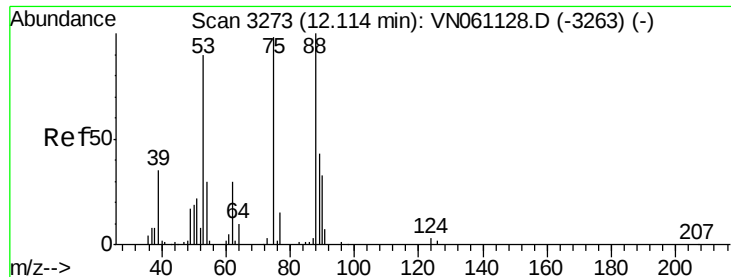
12.50

12.55

12.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.133 ug/l

RT: 12.11 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

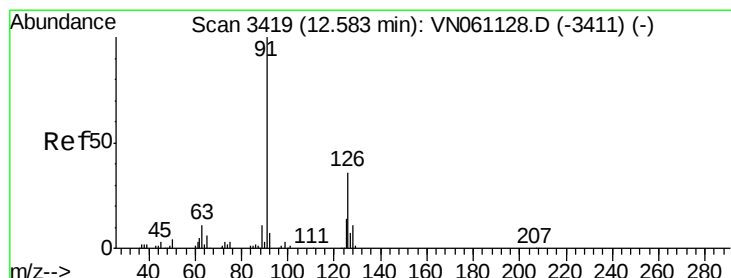
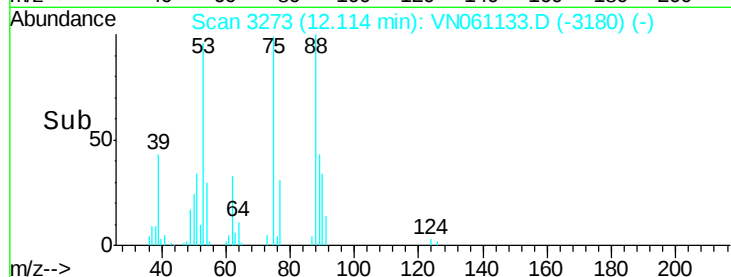
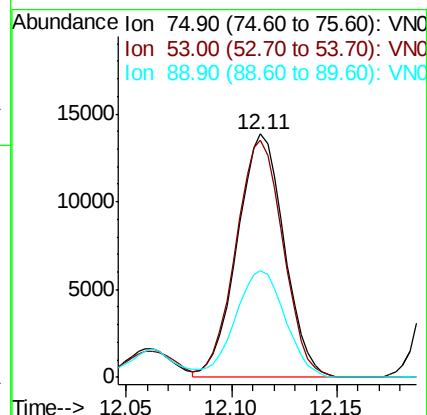
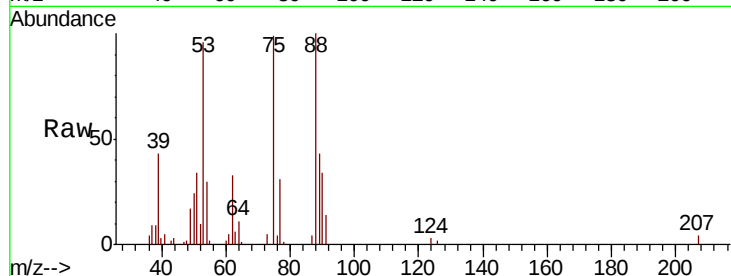
Tot Ion: 75 Resp: 21492

Ion Ratio Lower Upper

75 100

53 98.0 74.3 111.5

89 46.3 36.6 55.0



#82

4-Chlorotoluene

Concen: 18.897 ug/l

RT: 12.58 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN061133.D

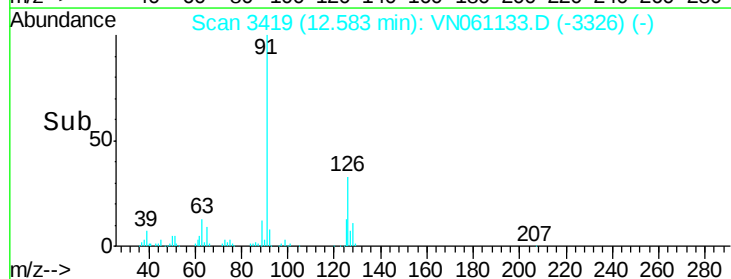
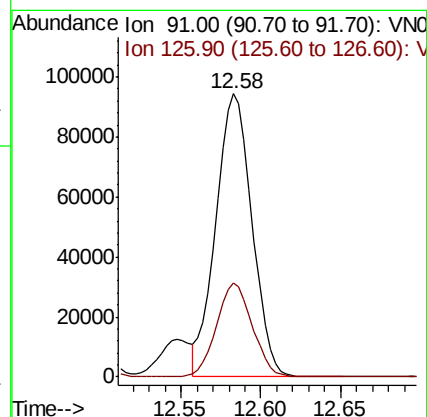
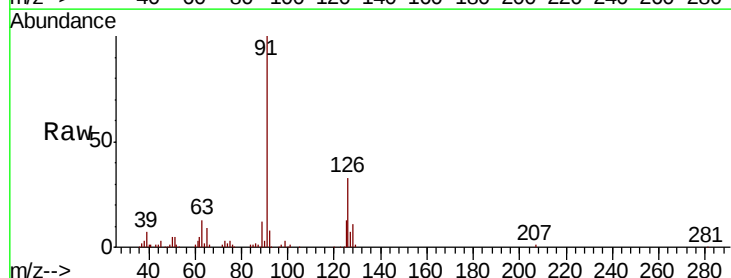
Acq: 22 Apr 2020 17:39

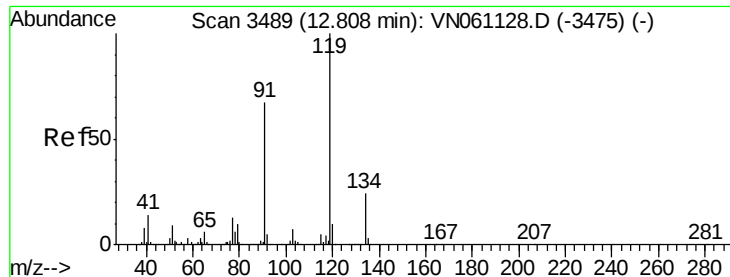
Tgt Ion: 91 Resp: 147330

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.2





#83

tert-Butylbenzene

Concen: 19.274 ug/l

RT: 12.81 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

ClientSampled :

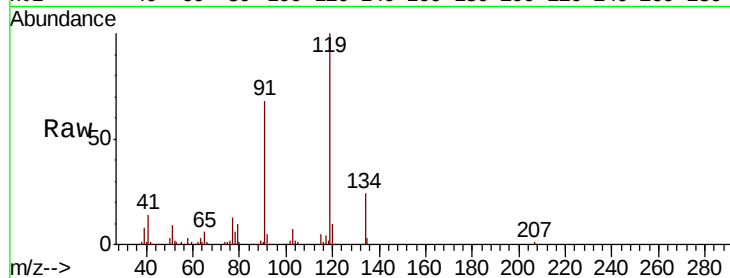
Tot Ion:119 Resp: 147165

Ion Ratio Lower Upper

119 100

91 66.2 32.8 98.4

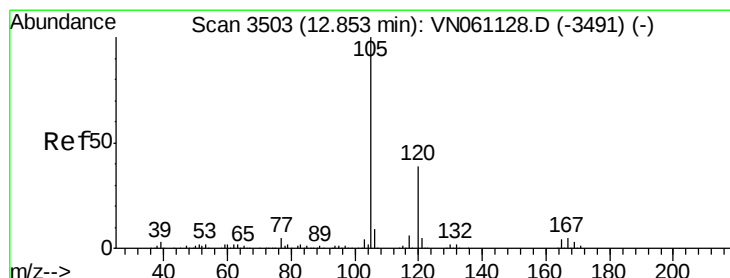
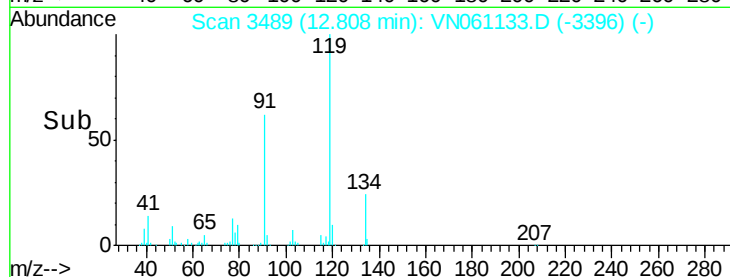
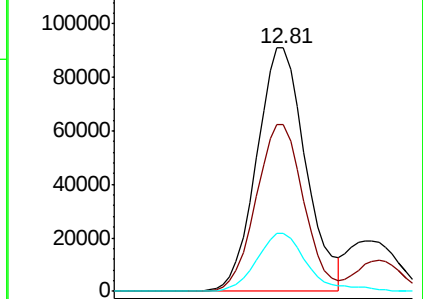
134 24.6 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.036 ug/l

RT: 12.85 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN061133.D

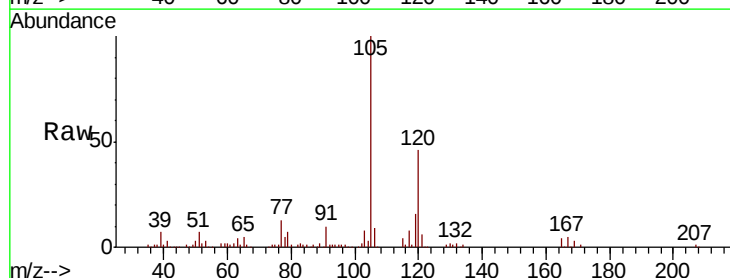
Acq: 22 Apr 2020 17:39

Tgt Ion:105 Resp: 172371

Ion Ratio Lower Upper

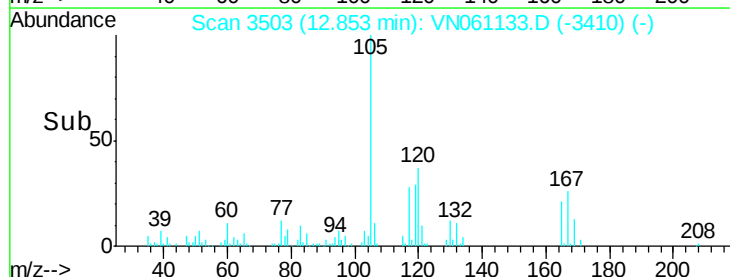
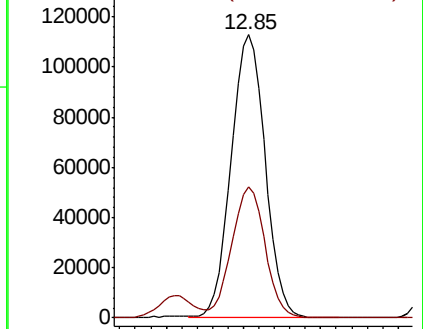
105 100

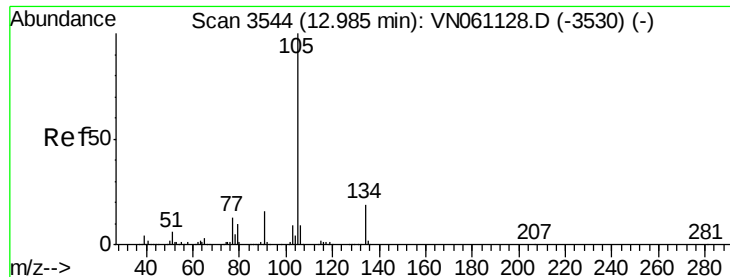
120 45.3 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.047 ug/l

RT: 12.99 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

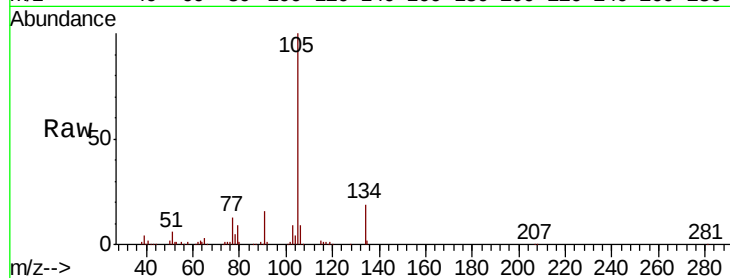
ClientSampled :

Tot Ion:105 Resp: 196797

Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.99

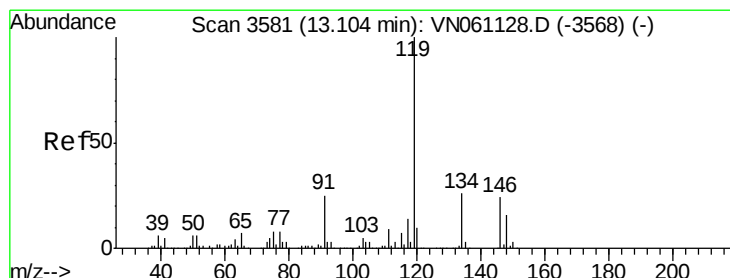
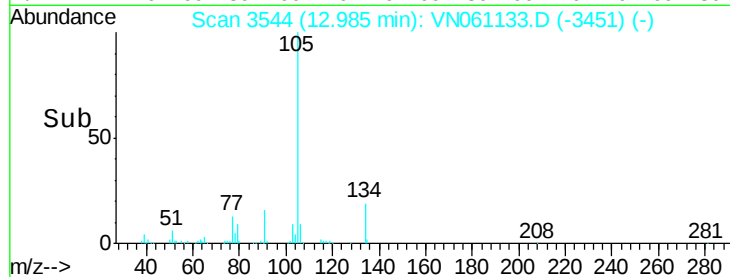
150000

100000

50000

0

Time--> 12.90 12.95 13.00 13.05



#86

p-Isopropyltoluene

Concen: 19.043 ug/l

RT: 13.10 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

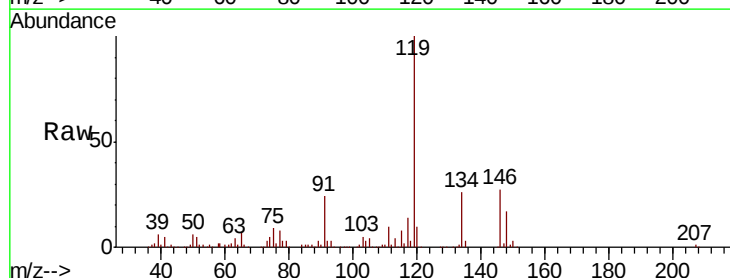
Tgt Ion:119 Resp: 178580

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 23.9 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.10

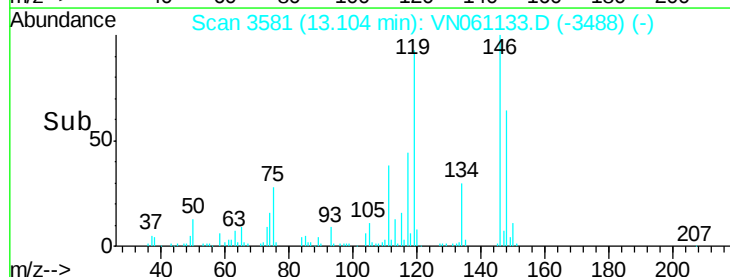
150000

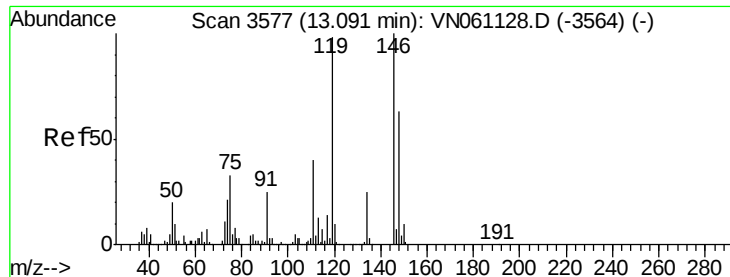
100000

50000

0

Time--> 13.05 13.10 13.15





#87

1,3-Dichlorobenzene

Concen: 19.228 ug/l

RT: 13.09 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

Instrument :

MSVOA_V

ClientSampleId :

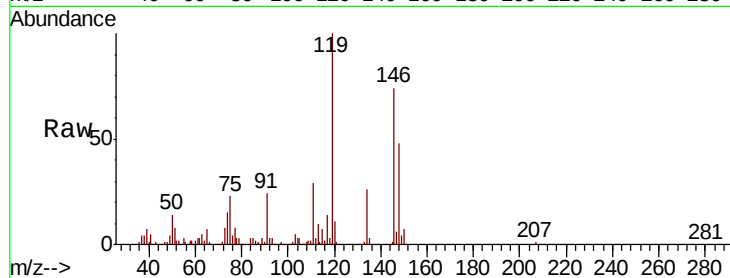
Tot Ion:146 Resp: 89586

Ion Ratio Lower Upper

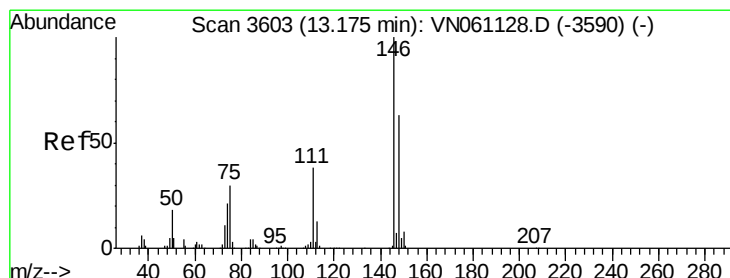
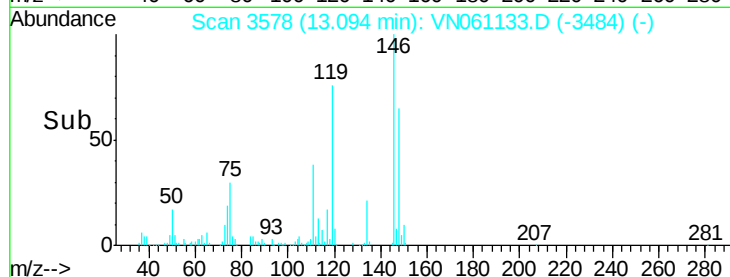
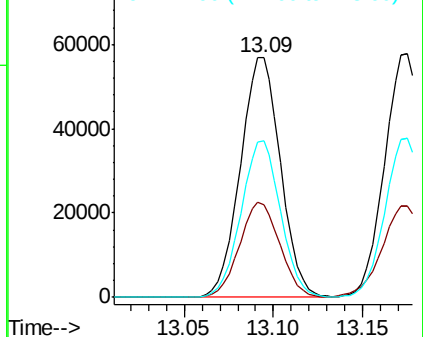
146 100

111 39.8 20.3 60.9

148 64.2 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 19.083 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN061133.D

Acq: 22 Apr 2020 17:39

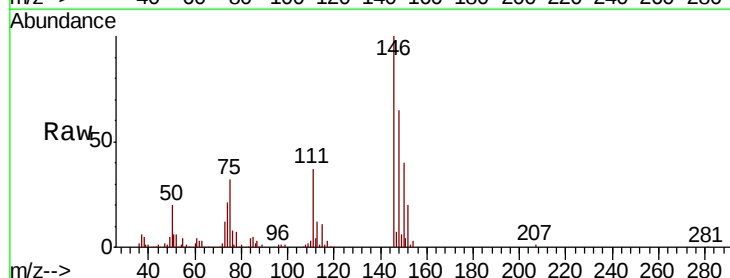
Tgt Ion:146 Resp: 90250

Ion Ratio Lower Upper

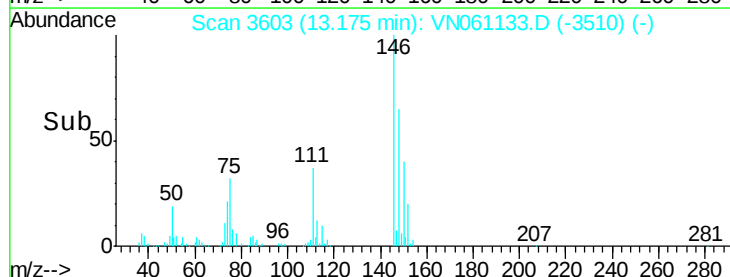
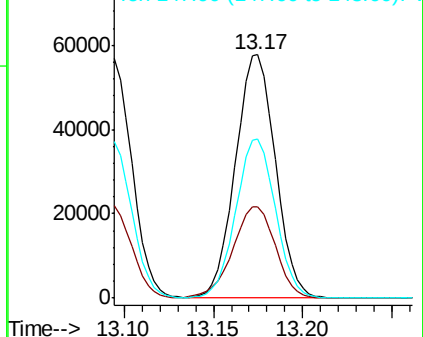
146 100

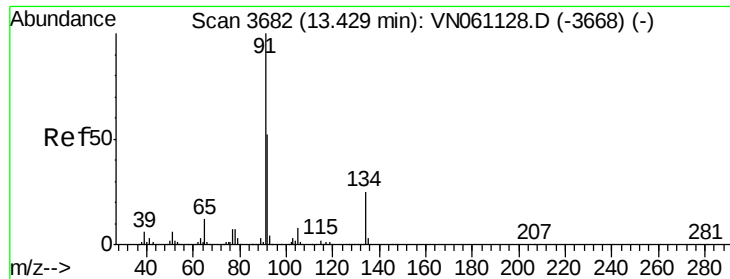
111 40.0 19.7 59.1

148 64.6 31.8 95.3



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

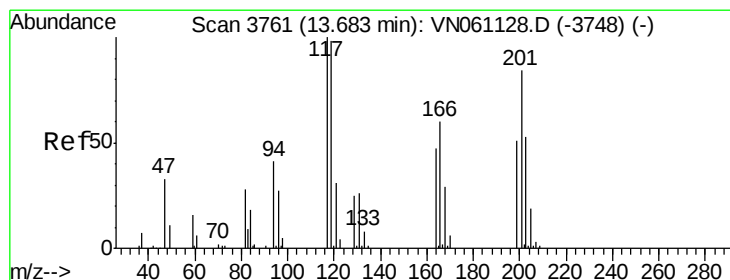
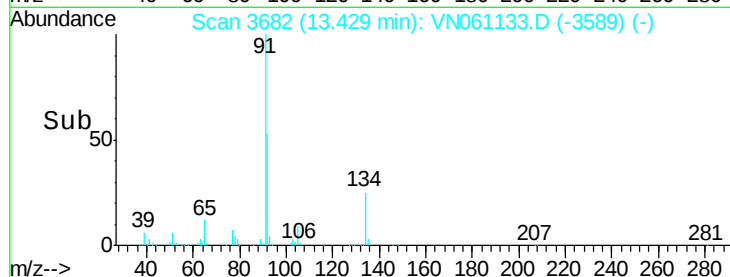
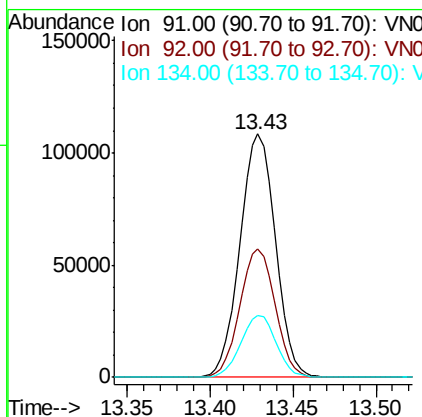
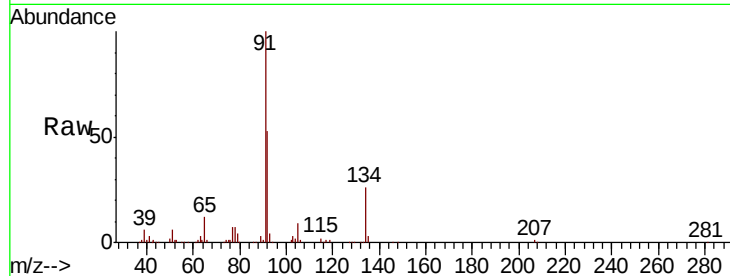




#89
n-Butylbenzene
Concen: 18.900 ug/l
RT: 13.43 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

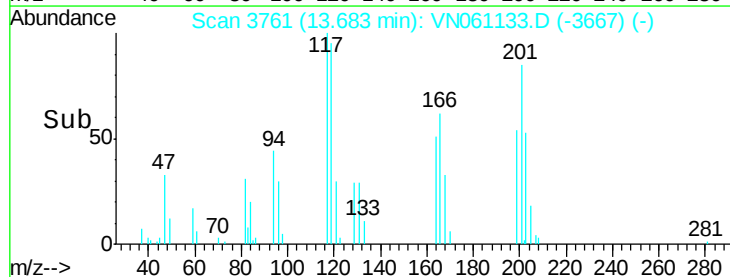
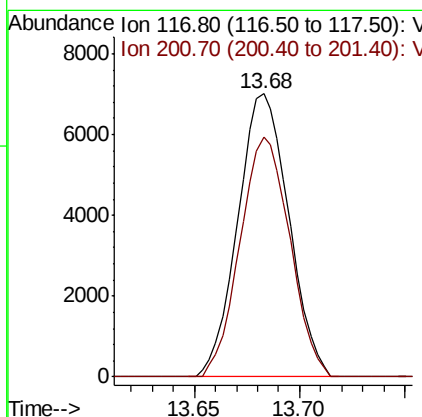
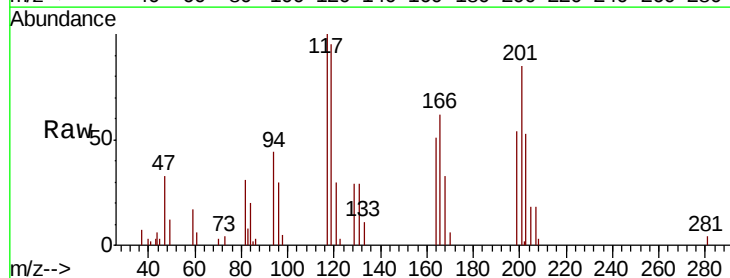
Instrument :
MSVOA_V
ClientSampleId :

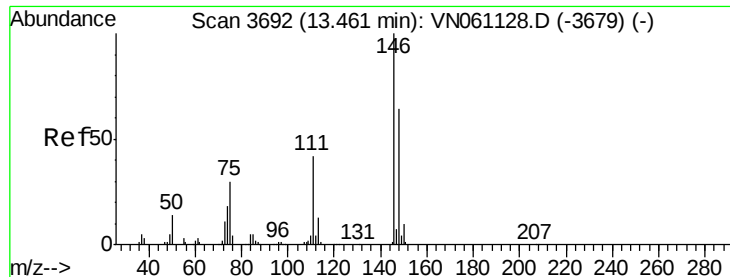
Tot Ion: 91 Resp: 161719
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.2
134 25.5 12.6 37.6



#90
Hexachloroethane
Concen: 15.359 ug/l
RT: 13.68 min Scan# 3761
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion: 117 Resp: 11759
Ion Ratio Lower Upper
117 100
201 82.8 41.4 124.4

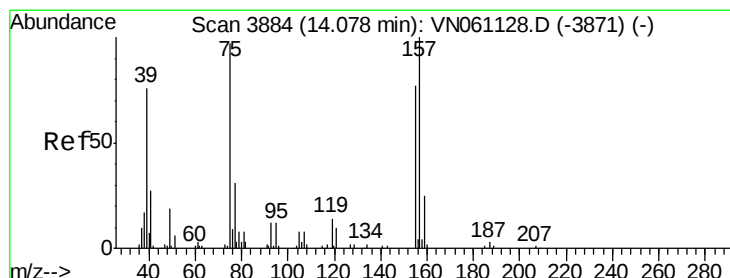
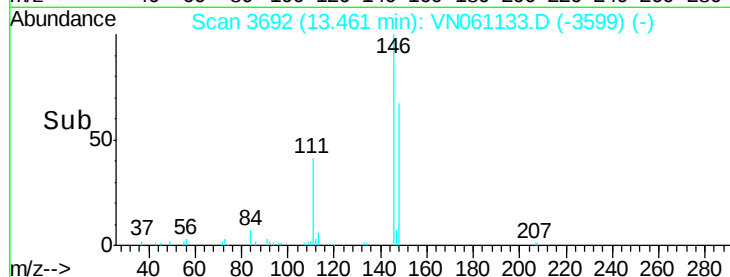
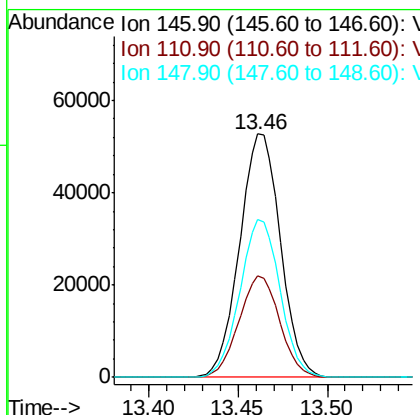
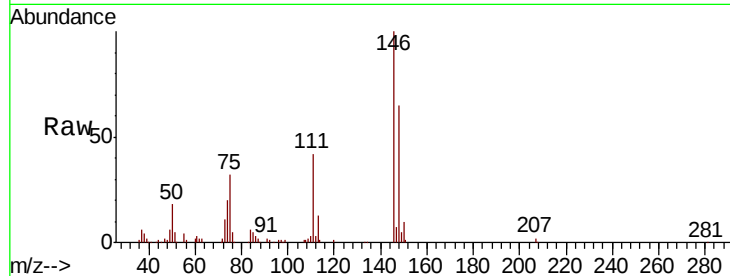




#91
 1,2-Dichlorobenzene
 Concen: 19.418 ug/l
 RT: 13.46 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

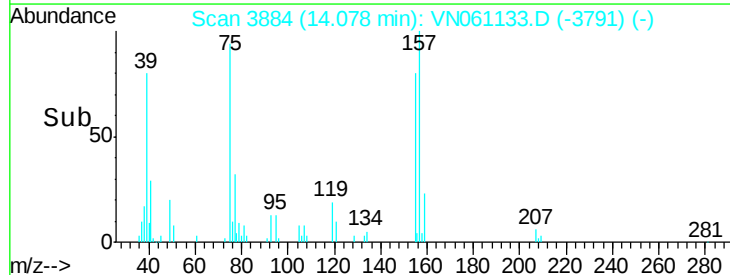
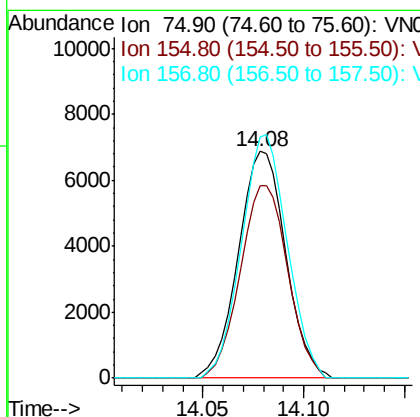
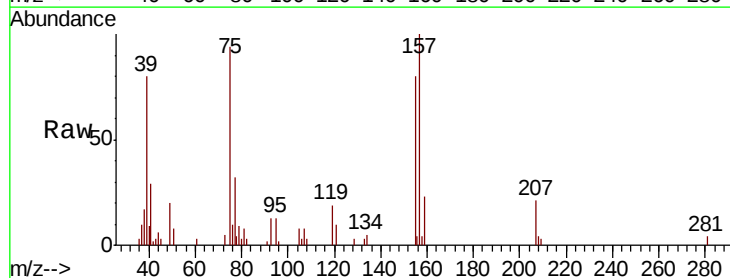
Instrument :
 MSVOA_V
 ClientSampleId :

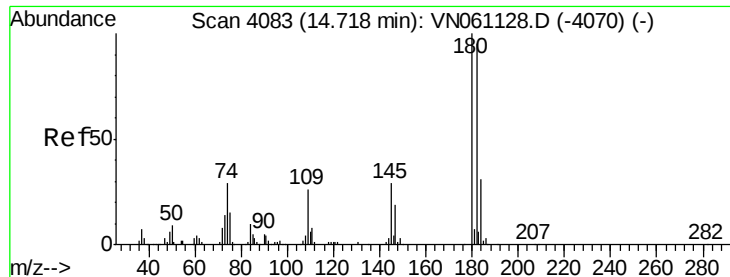
Tot Ion:146 Resp: 84172
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 63.7 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.042 ug/l
 RT: 14.08 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion: 75 Resp: 11324
 Ion Ratio Lower Upper
 75 100
 155 84.8 40.3 120.9
 157 103.5 51.6 154.8

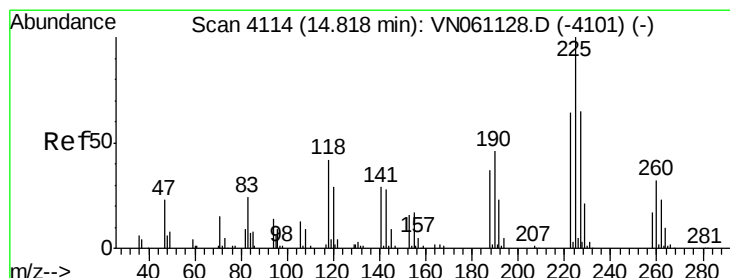
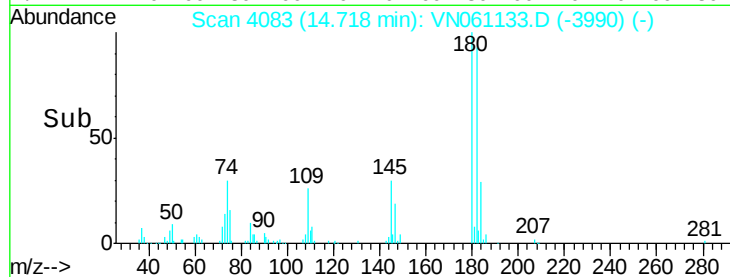
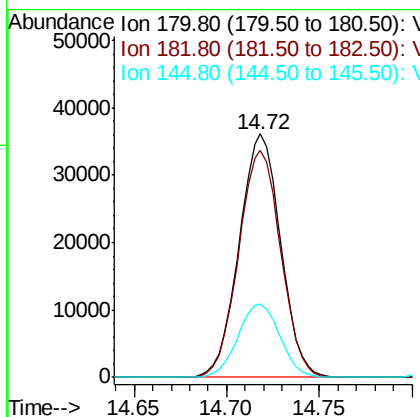
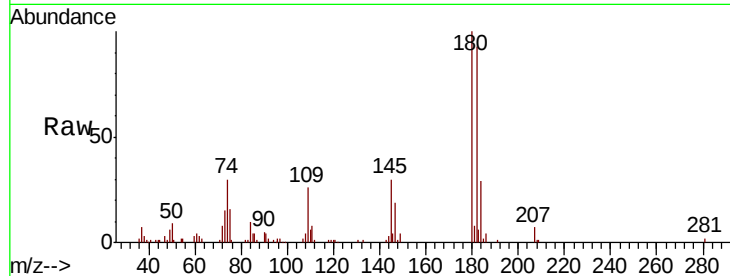




#93
 1,2,4-Trichlorobenzene
 Concen: 19.257 ug/l
 RT: 14.72 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

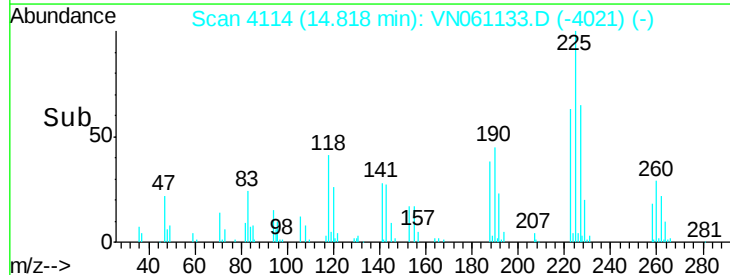
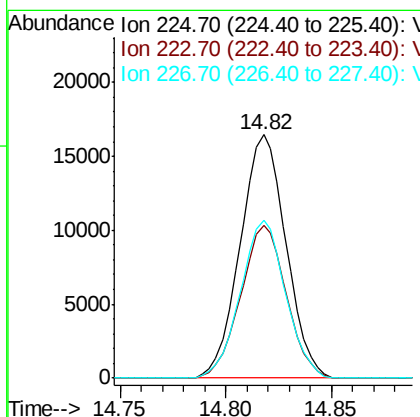
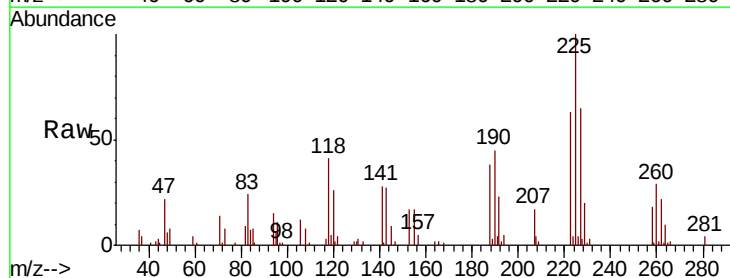
Instrument :
 MSVOA_V
 ClientSampleId :

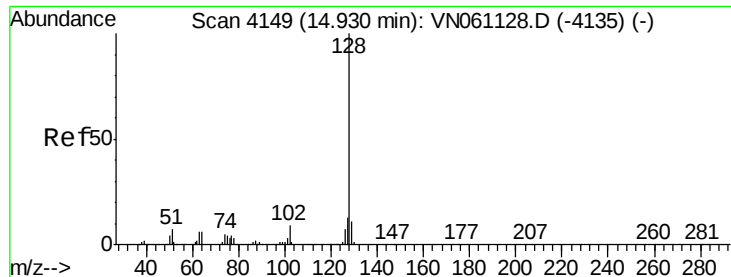
Tot Ion:180 Resp: 55830
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.9 143.7
 145 30.4 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 19.579 ug/l
 RT: 14.82 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN061133.D
 Acq: 22 Apr 2020 17:39

Tgt Ion:225 Resp: 24754
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.6 95.0
 227 63.7 32.0 96.2

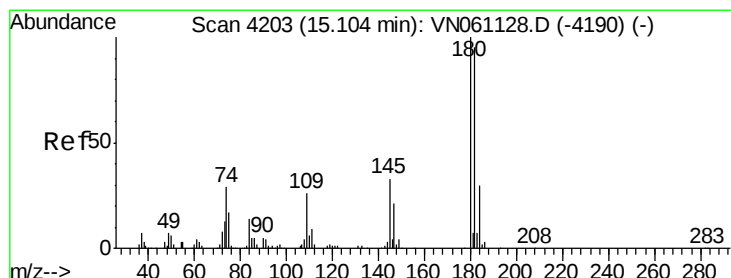
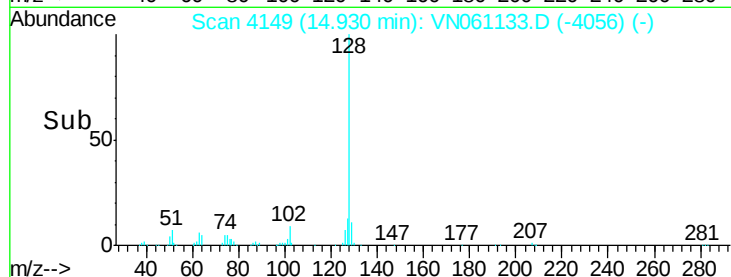
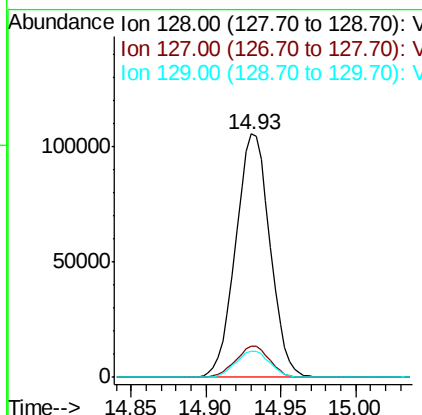
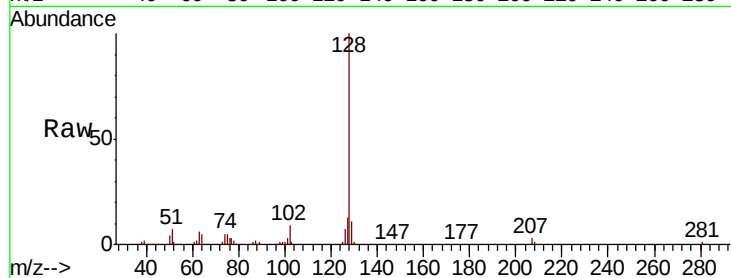




#95
Naphthalene
Concen: 18.873 ug/l
RT: 14.93 min Scan# 4149
Delta R.T. -0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:128 Resp: 168939
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.204 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061133.D
Acq: 22 Apr 2020 17:39

Tgt Ion:180 Resp: 53501
Ion Ratio Lower Upper
180 100
182 95.3 47.7 143.1
145 33.0 16.3 48.8

