

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061547.D
 Acq On : 28 May 2020 22:26
 Operator : JC/MD
 Sample : VN0528WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 29 02:18:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	332175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	583792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	541474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255983	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	211645	53.48	ug/l	0.00
Spiked Amount						
			Recovery	=	106.96%	
35) Dibromofluoromethane	7.55	113	161406	54.50	ug/l	0.00
Spiked Amount						
			Recovery	=	109.00%	
50) Toluene-d8	10.06	98	693537	50.54	ug/l	0.00
Spiked Amount						
			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.38	95	244461	48.82	ug/l	0.00
Spiked Amount						
			Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	73076	19.764	ug/l	98
3) Chloromethane	2.03	50	79998	19.745	ug/l	100
4) Vinyl Chloride	2.16	62	111281	20.043	ug/l	100
5) Bromomethane	2.54	94	65182	20.460	ug/l	98
6) Chloroethane	2.67	64	71258	19.940	ug/l	100
7) Trichlorofluoromethane	2.98	101	139603	19.499	ug/l	98
8) Diethyl Ether	3.37	74	41839	19.111	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	61300	19.295	ug/l	97
10) Methyl Iodide	3.91	142	86074	19.516	ug/l	98
11) Tert butyl alcohol	4.73	59	49629	94.278	ug/l	100
12) 1,1-Dichloroethene	3.69	96	62845	18.515	ug/l	99
13) Acrolein	3.57	56	15417	80.296	ug/l	93
14) Allyl chloride	4.27	41	83059	18.718	ug/l	99
15) Acrylonitrile	4.93	53	138305	94.128	ug/l	99
16) Acetone	3.78	43	110175	97.221	ug/l	96
17) Carbon Disulfide	4.01	76	152435	20.413	ug/l	97
18) Methyl Acetate	4.27	43	66853	18.660	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	214482	18.541	ug/l	99
20) Methylene Chloride	4.50	84	70835	18.599	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	70934	18.531	ug/l	97
22) Diisopropyl ether	5.90	45	185038	18.919	ug/l	93
23) Vinyl Acetate	5.84	43	738184	94.698	ug/l	100
24) 1,1-Dichloroethane	5.80	63	117206	18.898	ug/l	98
25) 2-Butanone	6.79	43	172081	91.745	ug/l	99
26) 2,2-Dichloropropane	6.77	77	92421	16.282	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	83419	19.246	ug/l	97
28) Bromochloromethane	7.15	49	46817	19.250	ug/l	95
29) Tetrahydrofuran	7.17	42	115427	93.325	ug/l	100
30) Chloroform	7.33	83	128602	18.743	ug/l	99
31) Cyclohexane	7.61	56	105977	19.000	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	117800	18.842	ug/l	98
36) 1,1-Dichloropropene	7.75	75	94991	18.380	ug/l	99
37) Ethyl Acetate	6.88	43	76257	18.320	ug/l	98
38) Carbon Tetrachloride	7.73	117	90982	18.251	ug/l	96

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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	9.05	83	115829	18.183	ug/l	96
40) Benzene	8.00	78	287150	18.008	ug/l	100
41) Methacrylonitrile	7.12	41	32271	16.921	ug/l	94
42) 1,2-Dichloroethane	8.09	62	97927	18.344	ug/l	99
43) Isopropyl Acetate	8.13	43	133069	17.769	ug/l #	91
44) Trichloroethene	8.80	130	87863	17.929	ug/l	99
45) 1,2-Dichloropropane	9.08	63	69151	18.263	ug/l	95
46) Dibromomethane	9.18	93	52916	18.222	ug/l	95
47) Bromodichloromethane	9.37	83	104033	18.082	ug/l	98
48) Methyl methacrylate	9.17	41	57709	17.128	ug/l	99
49) 1,4-Dioxane	9.17	88	17754	340.133	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	378836	89.768	ug/l	98
52) Toluene	10.12	92	189825	18.239	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	109122	17.606	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	118234	17.742	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	75850	18.293	ug/l	95
56) Ethyl methacrylate	10.40	69	103594	17.885	ug/l	98
57) 1,3-Dichloropropane	10.68	76	120204	18.126	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	224091	90.531	ug/l	100
59) 2-Hexanone	10.72	43	266253	87.849	ug/l	98
60) Dibromochloromethane	10.87	129	81579	17.306	ug/l	100
61) 1,2-Dibromoethane	10.98	107	77968	18.029	ug/l	100
64) Tetrachloroethene	10.60	164	88708	17.404	ug/l	97
65) Chlorobenzene	11.41	112	204702	18.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	72572	17.317	ug/l	95
67) Ethyl Benzene	11.48	91	356878	18.345	ug/l	99
68) m/p-Xylenes	11.60	106	281591	36.507	ug/l	100
69) o-Xylene	11.92	106	134459	18.353	ug/l	99
70) Styrene	11.94	104	217803	17.952	ug/l	97
71) Bromoform	12.10	173	52788	16.346	ug/l #	99
73) Isopropylbenzene	12.22	105	354628	18.981	ug/l	99
74) N-amyl acetate	12.05	43	109408	18.595	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	97110	18.548	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	122786	26.379	ug/l #	100
77) Bromobenzene	12.50	156	87307	18.307	ug/l	95
78) n-propylbenzene	12.57	91	392062	18.797	ug/l	100
79) 2-Chlorotoluene	12.65	91	233575	18.781	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	294989	18.890	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	30494	16.753	ug/l	95
82) 4-Chlorotoluene	12.75	91	241968	18.493	ug/l	97
83) tert-Butylbenzene	12.97	119	252373	18.291	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	293463	18.917	ug/l	100
85) sec-Butylbenzene	13.15	105	334422	18.810	ug/l	98
86) p-Isopropyltoluene	13.26	119	303581	18.542	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	155829	18.452	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	156549	18.196	ug/l	98
89) n-Butylbenzene	13.59	91	255802	18.653	ug/l	99
90) Hexachloroethane	13.85	117	34227	18.902	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	151417	18.762	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19336	18.108	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	84799	17.966	ug/l	99
94) Hexachlorobutadiene	14.98	225	34814	17.294	ug/l	99
95) Naphthalene	15.10	128	275873	19.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	84882	18.291	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

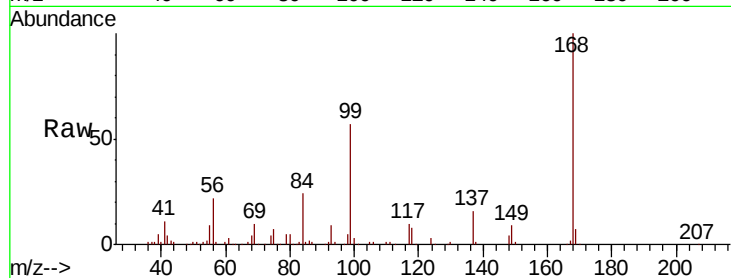
ClientSampled :

Tot Ion:168 Resp: 332175

Ion Ratio Lower Upper

168 100

99 56.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

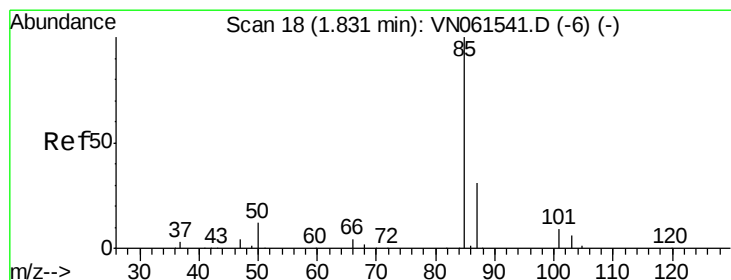
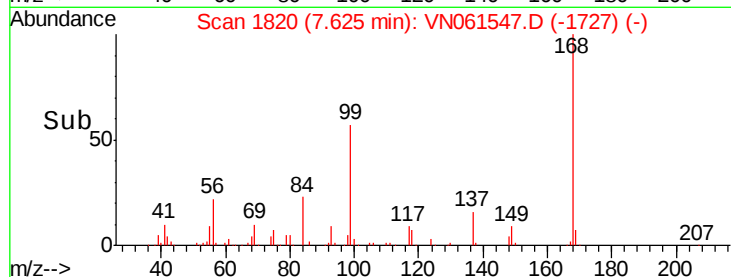
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.764 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061547.D

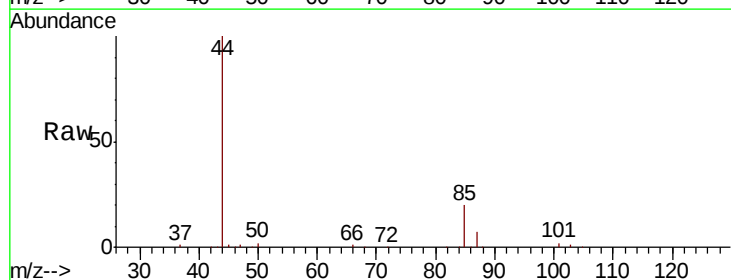
Acq: 28 May 2020 22:26

Tgt Ion: 85 Resp: 73076

Ion Ratio Lower Upper

85 100

87 32.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

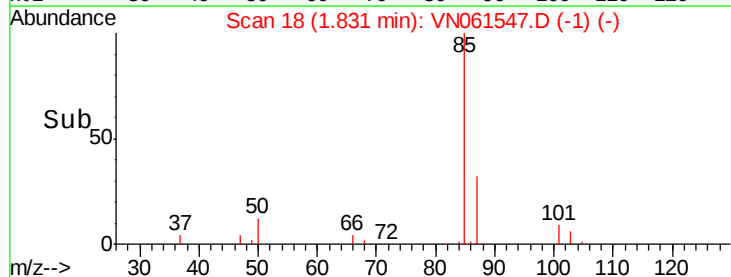
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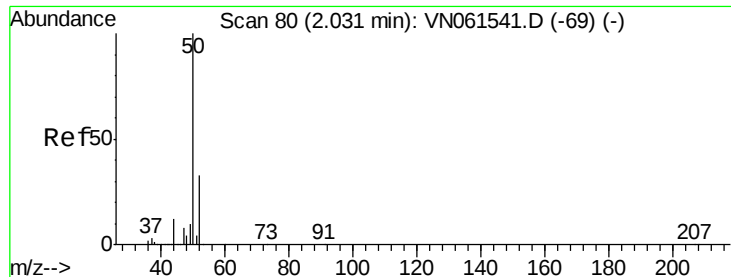
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0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.745 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

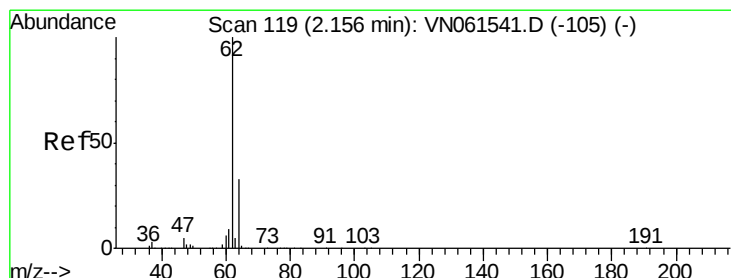
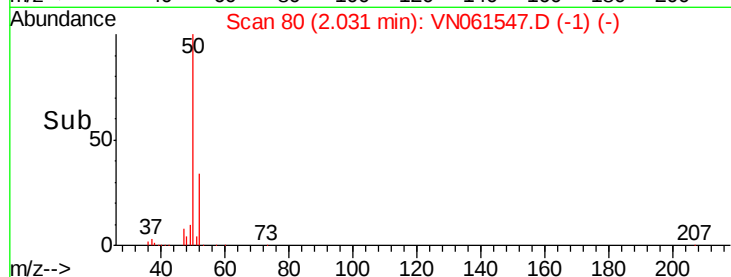
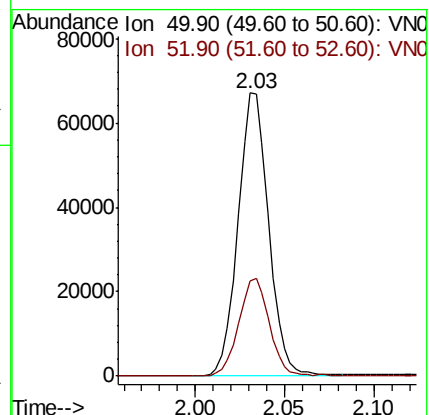
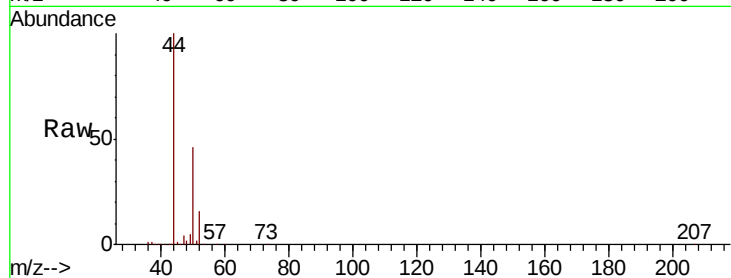
ClientSampleId :

Tot Ion: 50 Resp: 79998

Ion Ratio Lower Upper

50 100

52 33.6 26.7 40.1



#4

Vinyl Chloride

Concen: 20.043 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061547.D

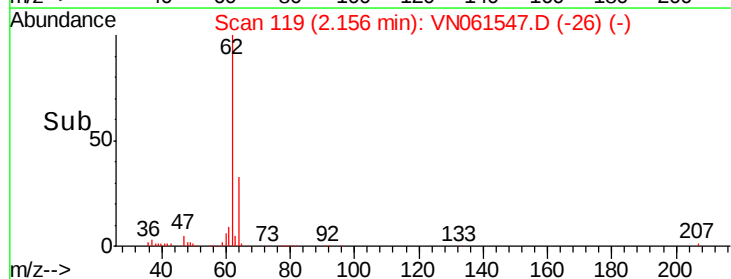
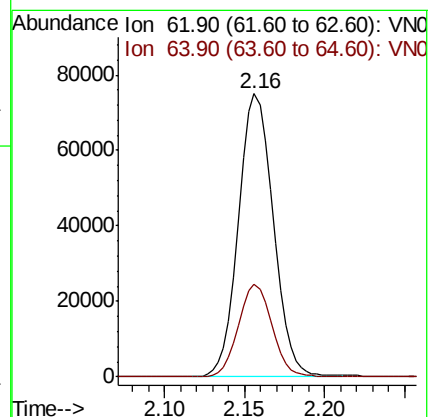
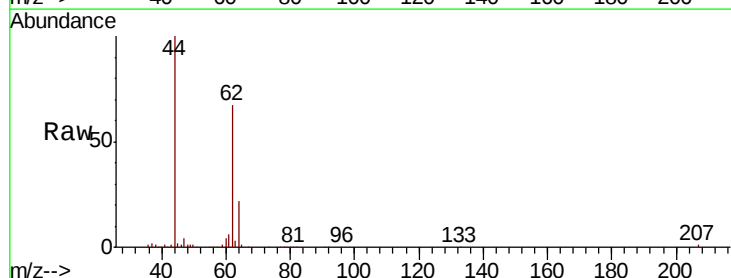
Acq: 28 May 2020 22:26

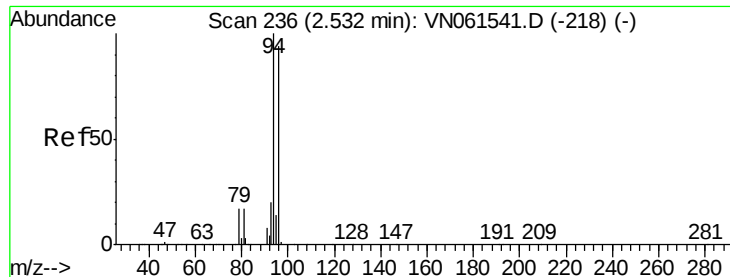
Tgt Ion: 62 Resp: 111281

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.2





#5

Bromomethane

Concen: 20.460 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

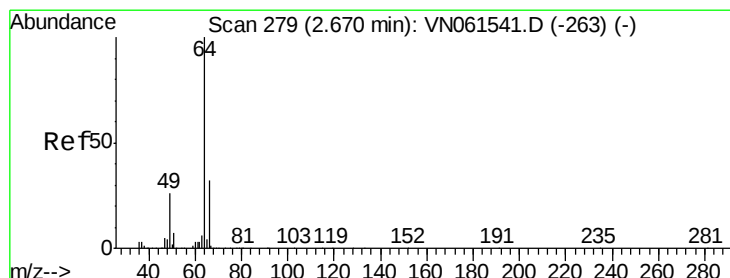
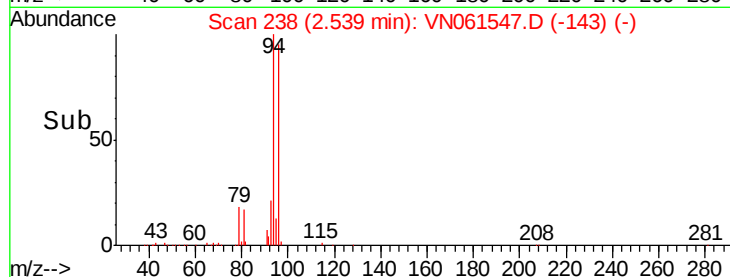
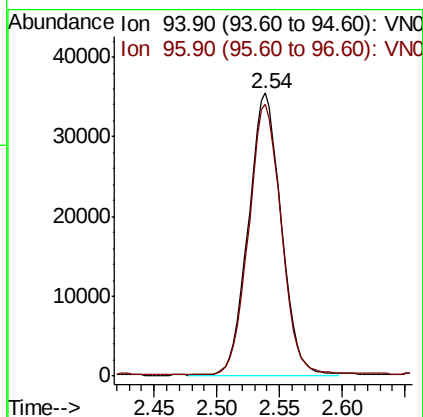
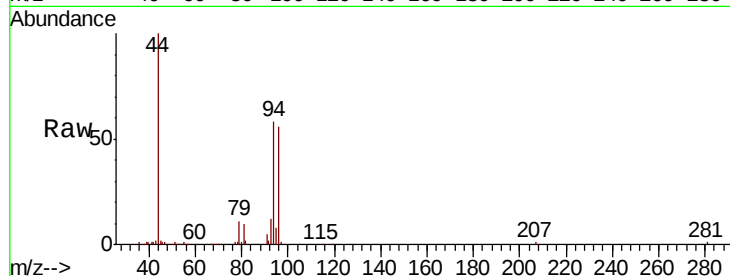
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 65182

Ion Ratio Lower Upper

94 100

96 95.3 74.8 112.2



#6

Chloroethane

Concen: 19.940 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061547.D

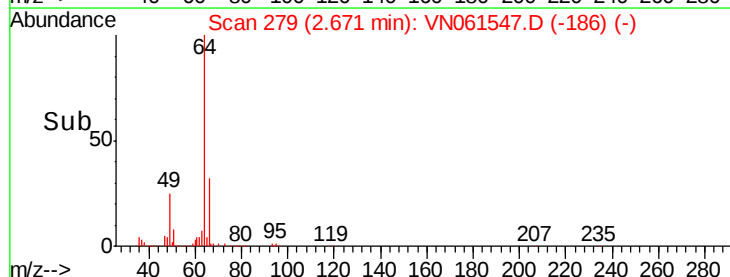
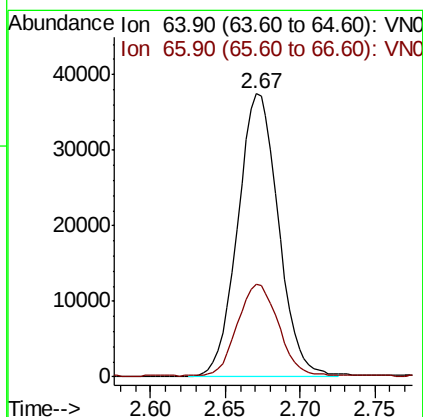
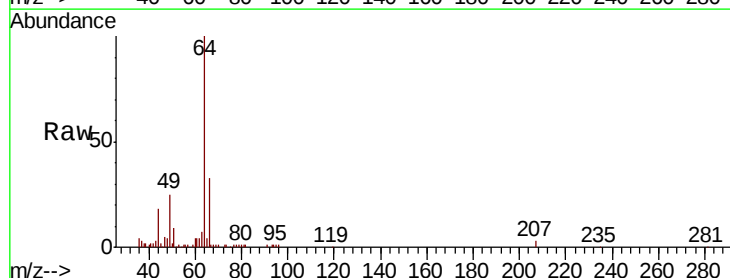
Acq: 28 May 2020 22:26

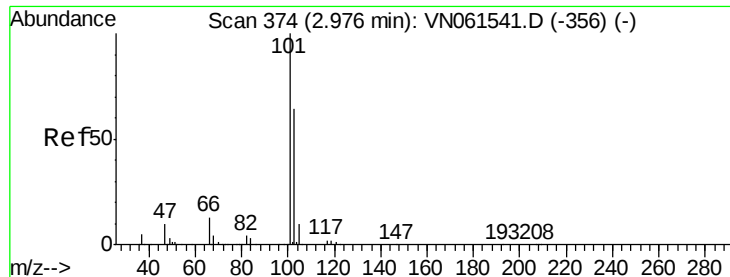
Tgt Ion: 64 Resp: 71258

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



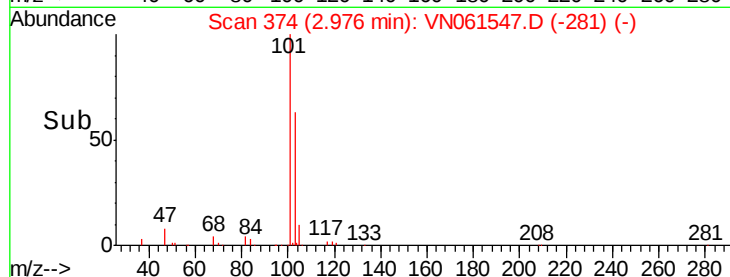
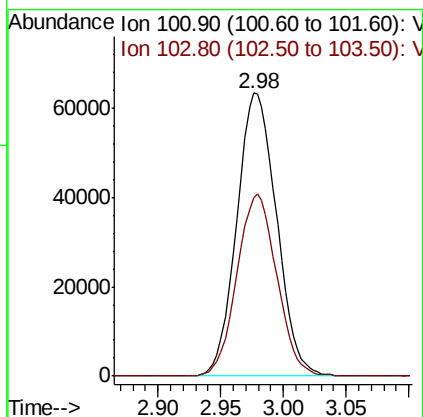
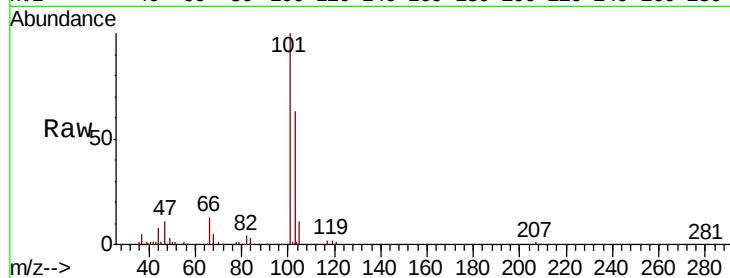


#7

Trichlorofluoromethane
 Concen: 19.499 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampled :

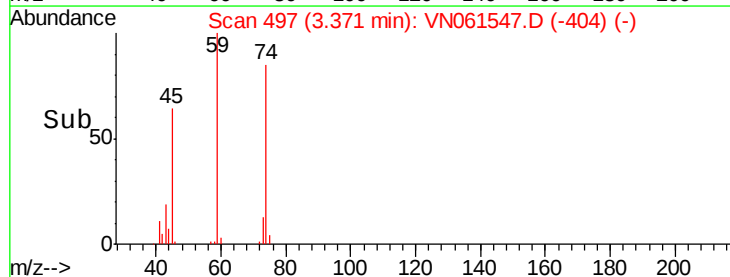
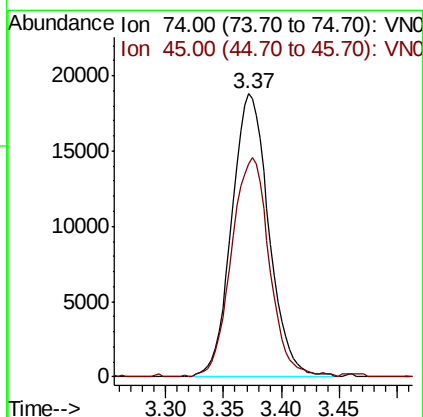
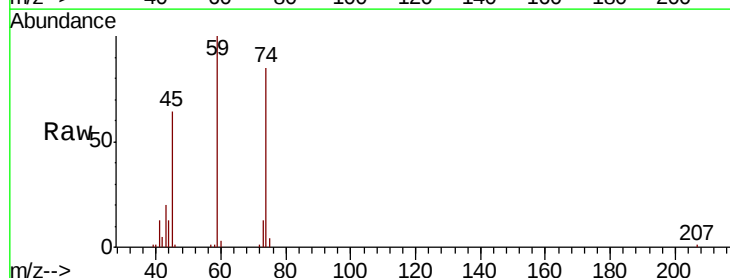
Tot Ion:101 Resp: 139603
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.4 77.2

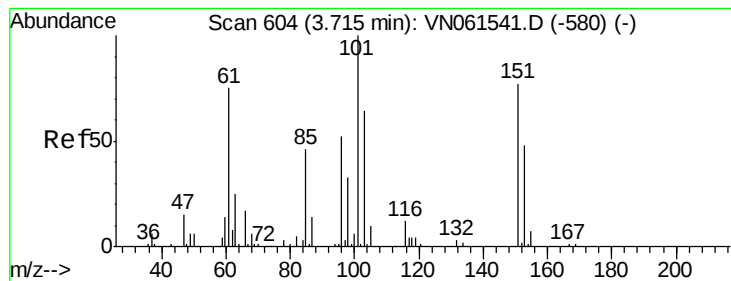


#8

Diethyl Ether
 Concen: 19.111 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 74 Resp: 41839
 Ion Ratio Lower Upper
 74 100
 45 79.3 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.295 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampled :

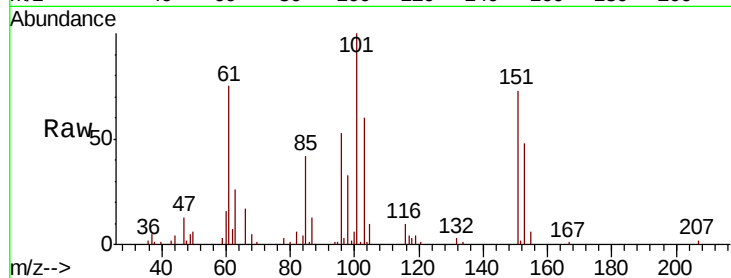
Tot Ion:101 Resp: 61300

Ion Ratio Lower Upper

101 100

85 42.1 35.2 52.8

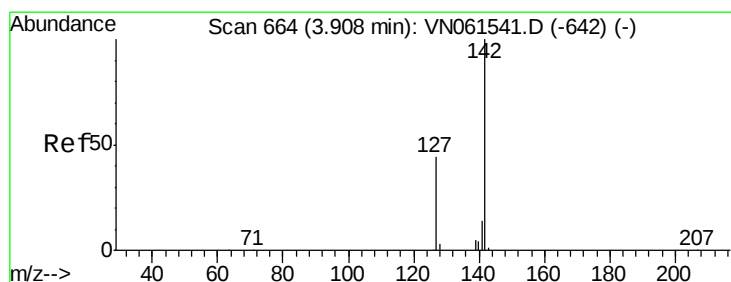
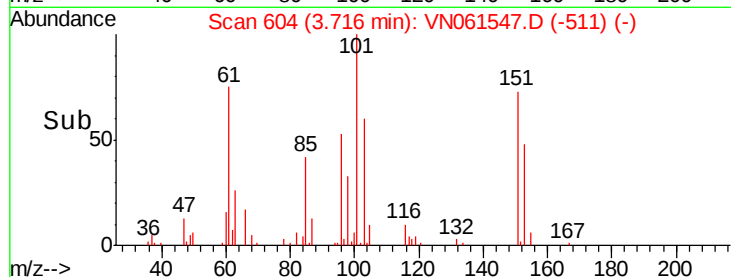
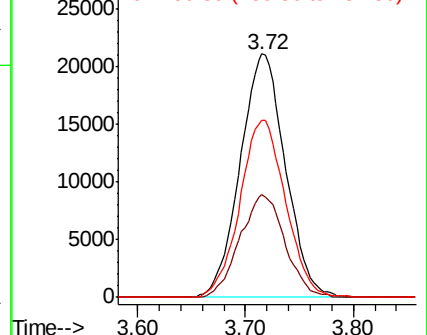
151 73.3 61.0 91.6



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: 19.516 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

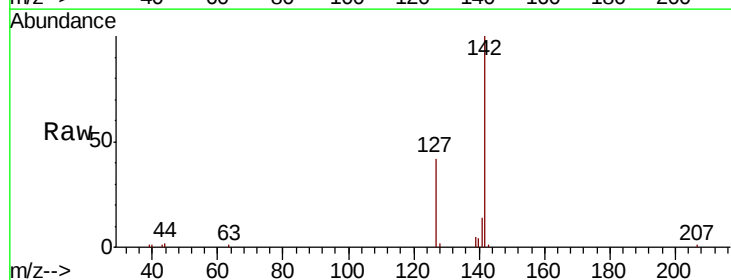
Tgt Ion:142 Resp: 86074

Ion Ratio Lower Upper

142 100

127 43.0 35.5 53.3

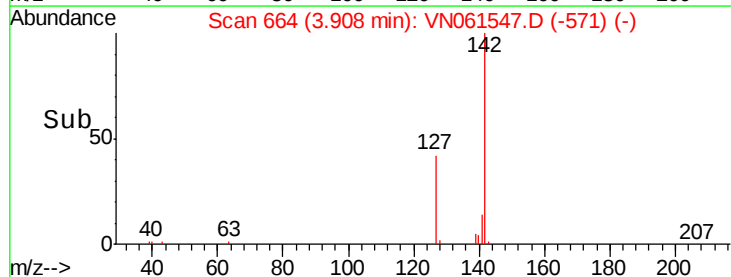
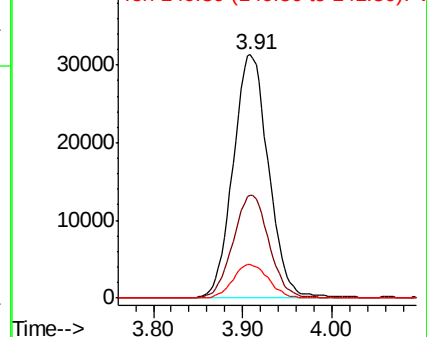
141 13.7 11.5 17.3

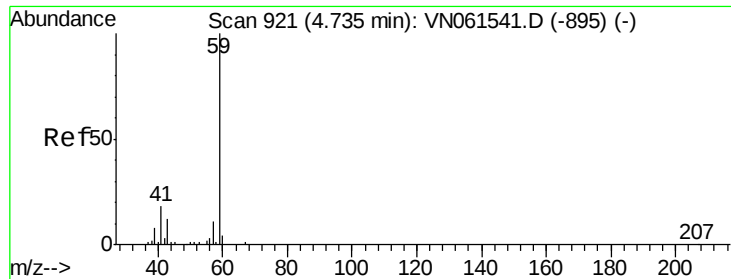


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.278 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

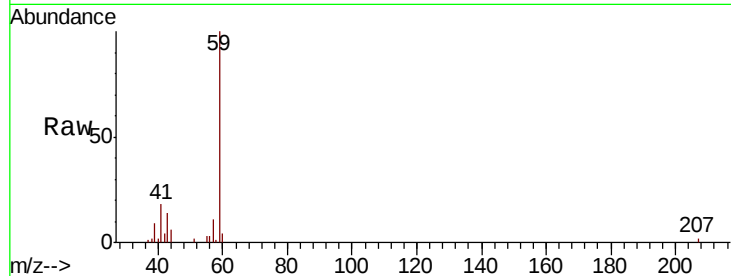
ClientSampleId :

Tot Ion: 59 Resp: 49629

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN061547.D (-895) (-)

Ion 57.00 (56.70 to 57.70): VN061547.D (-895) (-)

4.73

15000

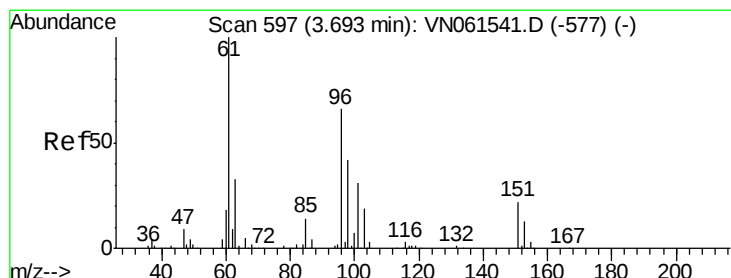
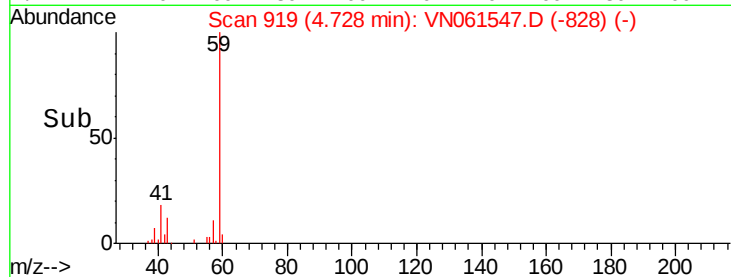
10000

5000

0

Time-->

4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 18.515 ug/l

RT: 3.69 min Scan# 597

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

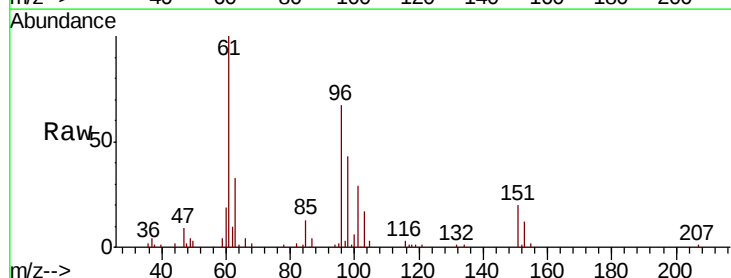
Tgt Ion: 96 Resp: 62845

Ion Ratio Lower Upper

96 100

61 148.7 120.5 180.7

98 63.4 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN061547.D (-577) (-)

Ion 60.90 (60.60 to 61.60): VN061547.D (-577) (-)

Ion 97.90 (97.60 to 98.60): VN061547.D (-577) (-)

50000

40000

30000

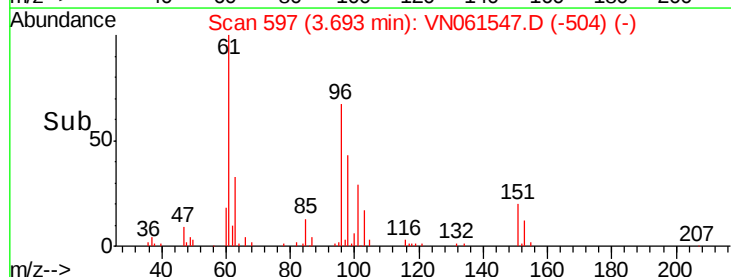
20000

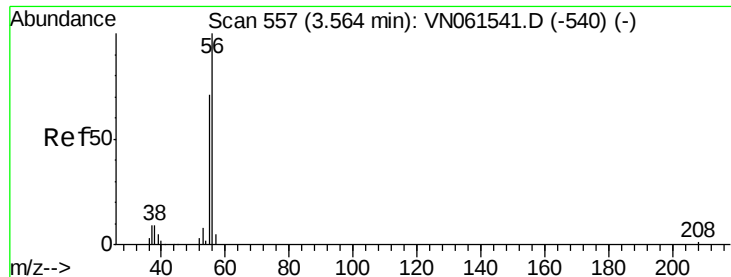
10000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 80.296 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

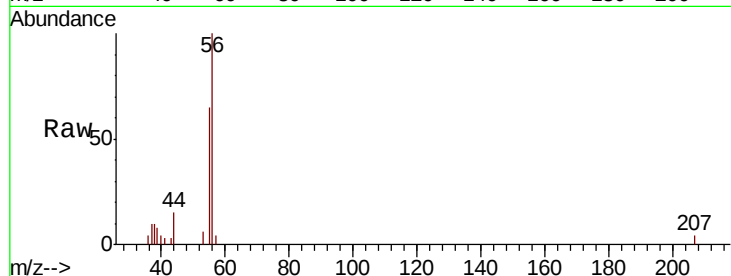
ClientSampleId :

Tot Ion: 56 Resp: 15417

Ion Ratio Lower Upper

56 100

55 66.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN061547.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061547.D (-540) (-)

3.57

6000

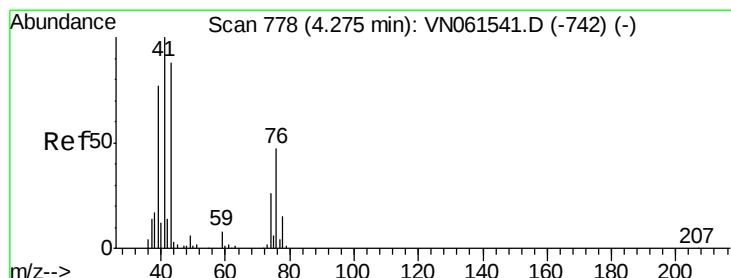
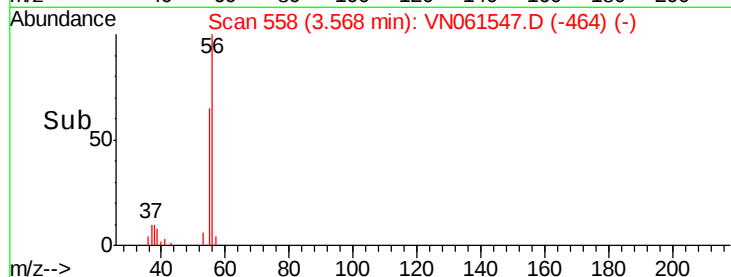
4000

2000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 18.718 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

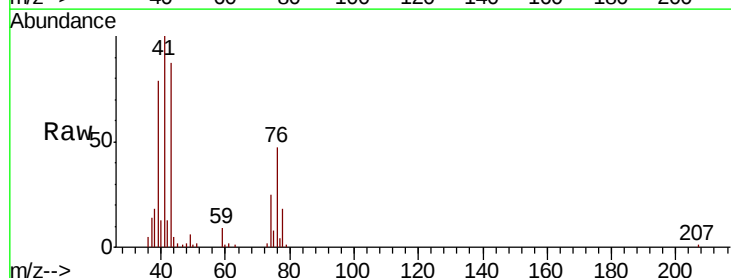
Tgt Ion: 41 Resp: 83059

Ion Ratio Lower Upper

41 100

39 72.5 58.6 88.0

76 43.6 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061547.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN061547.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN061547.D (-685) (-)

4.27

30000

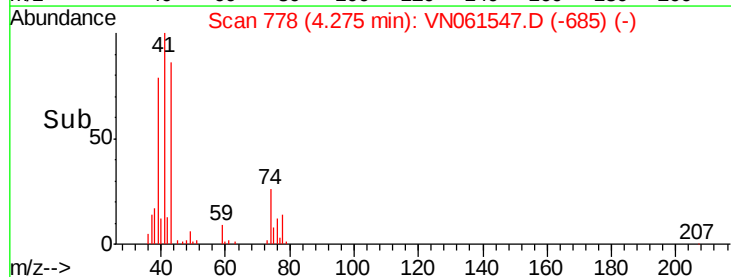
20000

10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 94.128 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampled :

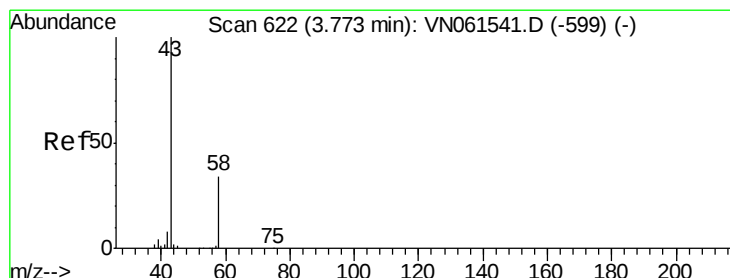
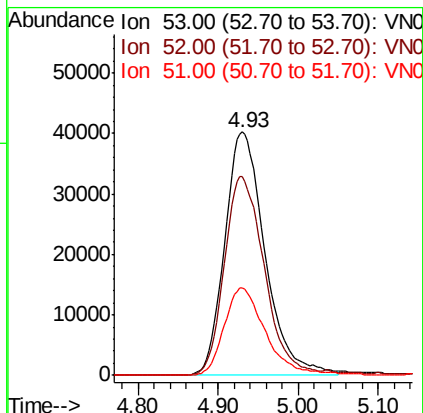
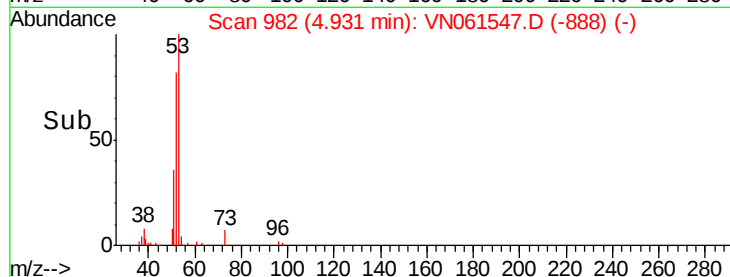
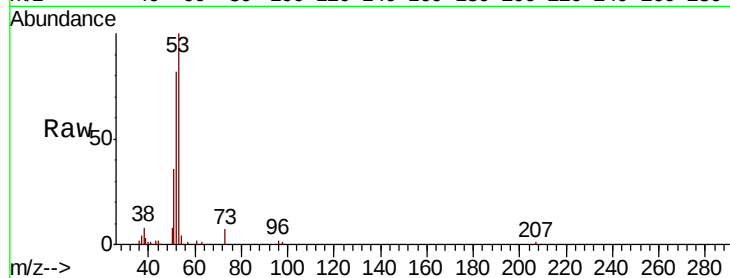
Tot Ion: 53 Resp: 138305

Ion Ratio Lower Upper

53 100

52 80.9 65.4 98.2

51 36.9 29.0 43.6



#16

Acetone

Concen: 97.221 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061547.D

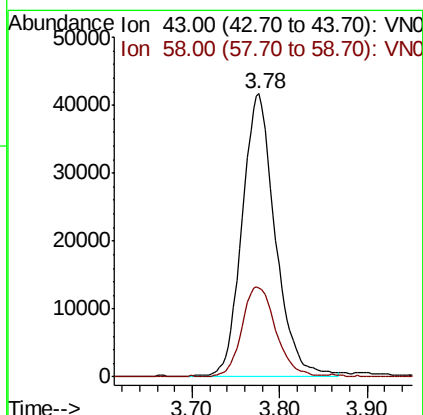
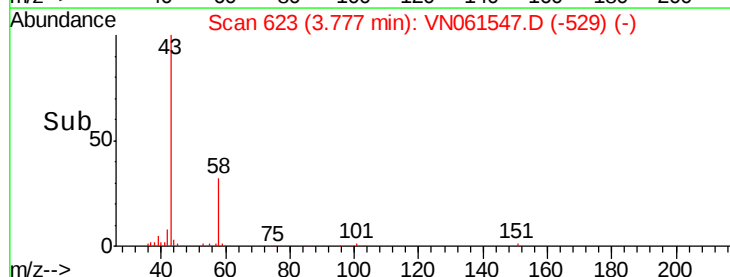
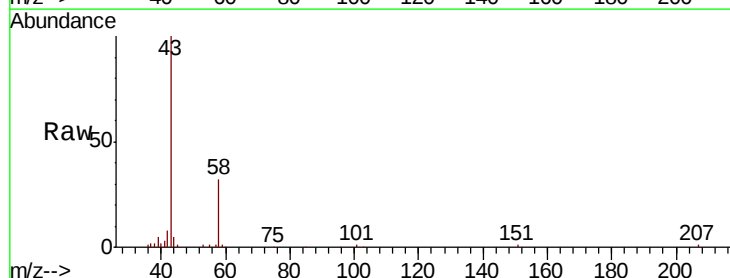
Acq: 28 May 2020 22:26

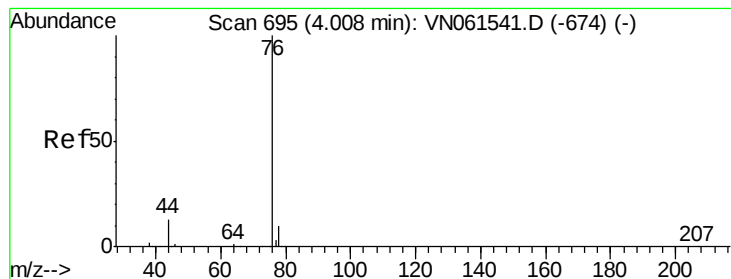
Tgt Ion: 43 Resp: 110175

Ion Ratio Lower Upper

43 100

58 31.6 27.2 40.8





#17

Carbon Disulfide

Concen: 20.413 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

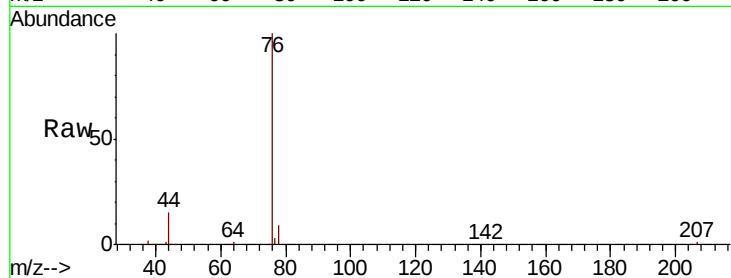
ClientSampleId :

Tot Ion: 76 Resp: 152435

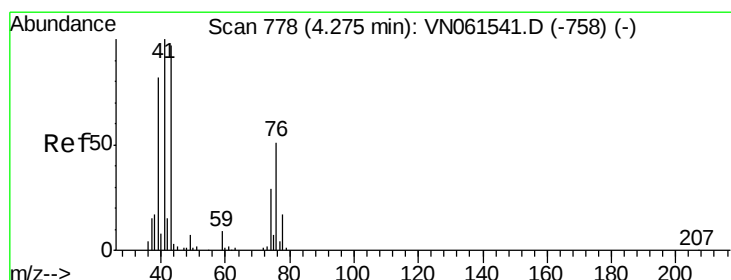
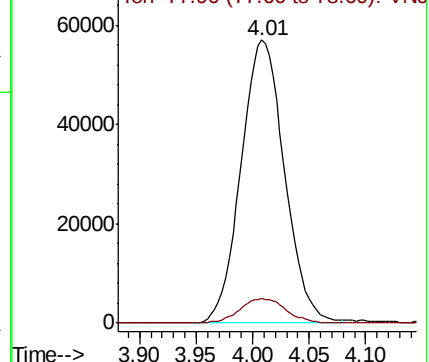
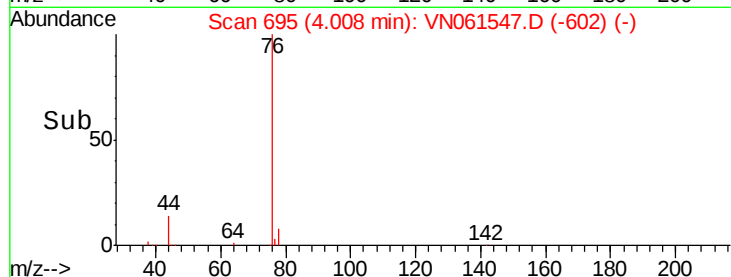
Ion Ratio Lower Upper

76 100

78 8.6 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VN061547.D (-602) (-)



#18

Methyl Acetate

Concen: 18.660 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061547.D

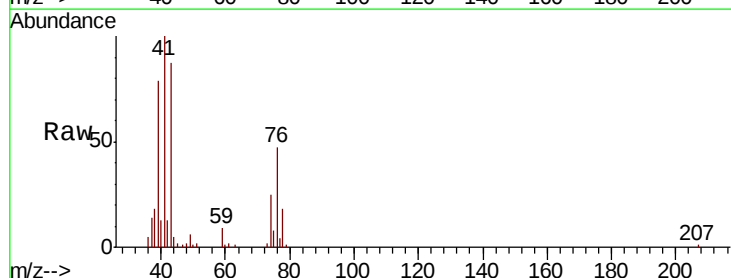
Acq: 28 May 2020 22:26

Tgt Ion: 43 Resp: 66853

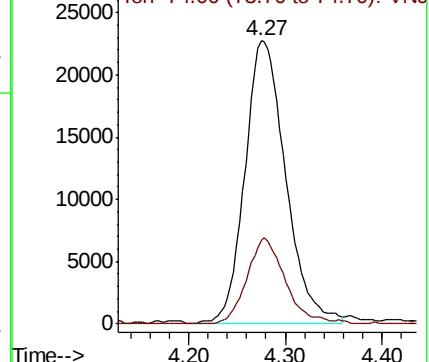
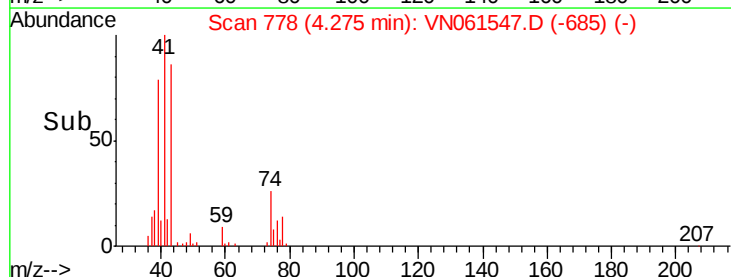
Ion Ratio Lower Upper

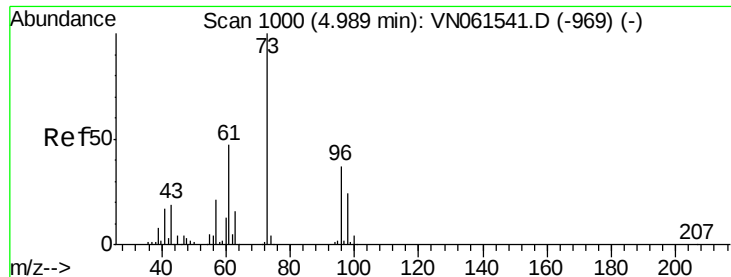
43 100

74 28.1 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061547.D (-685) (-)



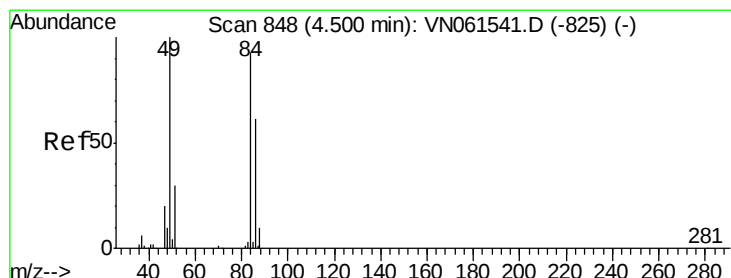
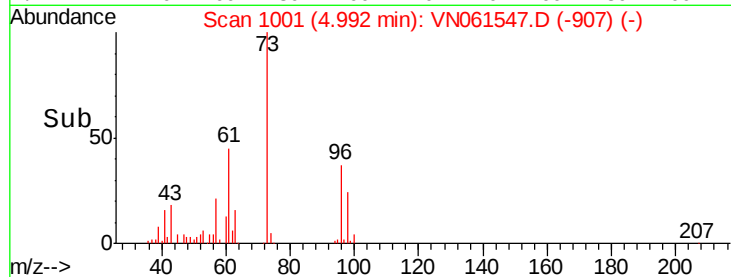
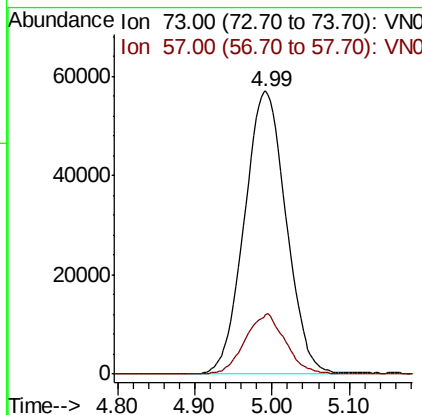
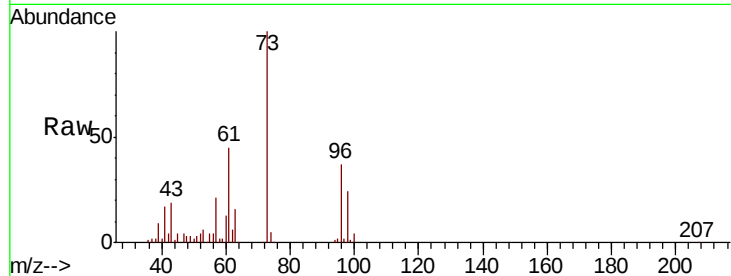


#19

Methyl tert-butyl Ether
 Concen: 18.541 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampled :

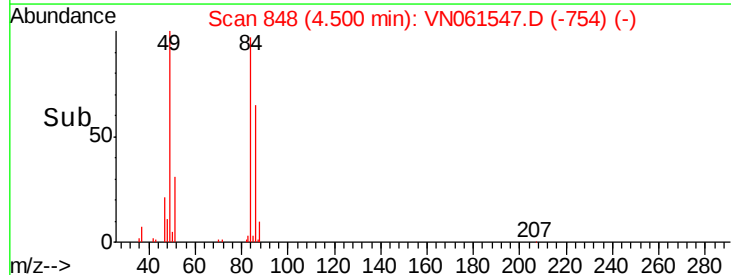
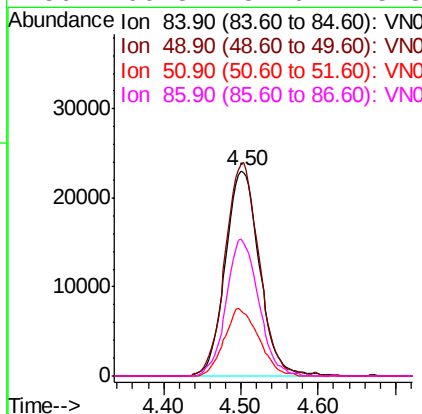
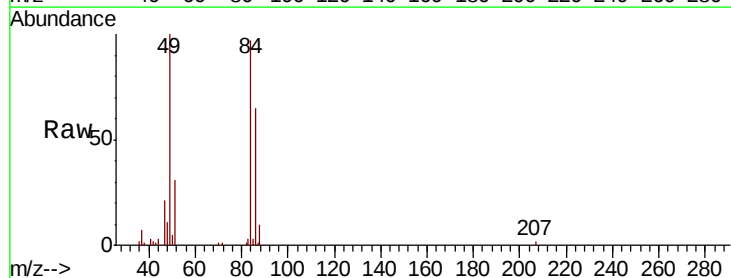
Tot Ion: 73 Resp: 214482
 Ion Ratio Lower Upper
 73 100
 57 21.0 16.4 24.6

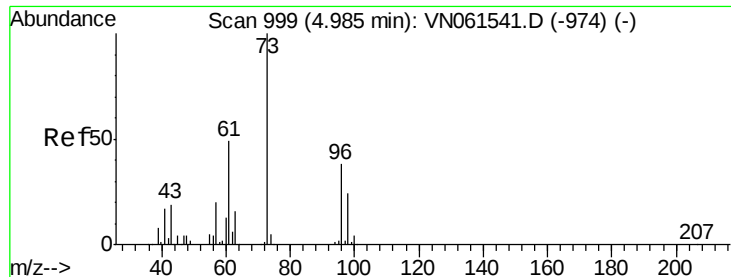


#20

Methylene Chloride
 Concen: 18.599 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 84 Resp: 70835
 Ion Ratio Lower Upper
 84 100
 49 103.3 85.8 128.8
 51 31.9 26.2 39.2
 86 66.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 18.531 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

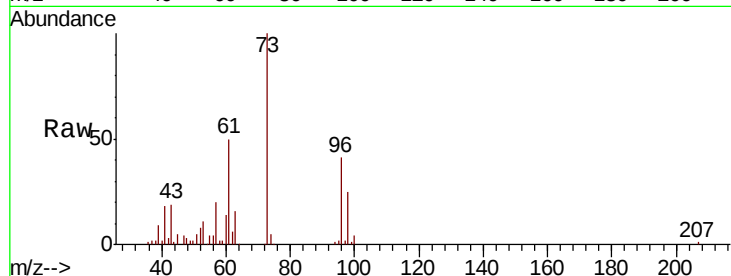
Tot Ion: 96 Resp: 70934

Ion Ratio Lower Upper

96 100

61 123.2 101.4 152.0

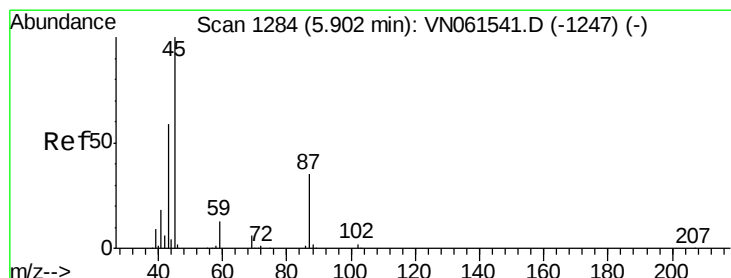
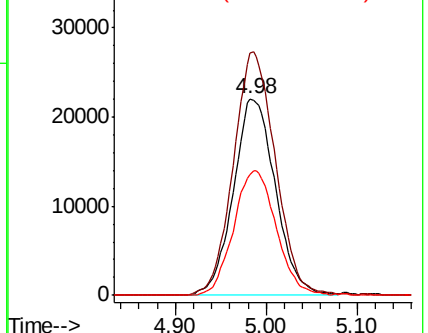
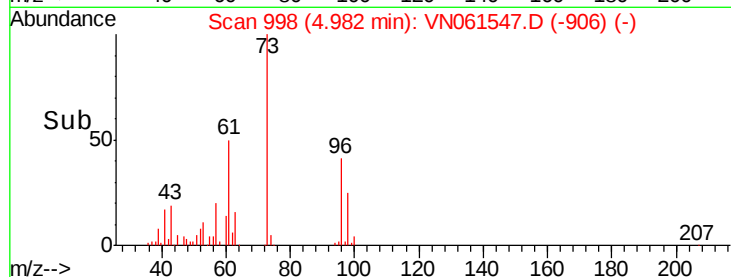
98 61.8 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061547.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN061547.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN061547.D (-906) (-)



#22

Diisopropyl ether

Concen: 18.919 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion: 45 Resp: 185038

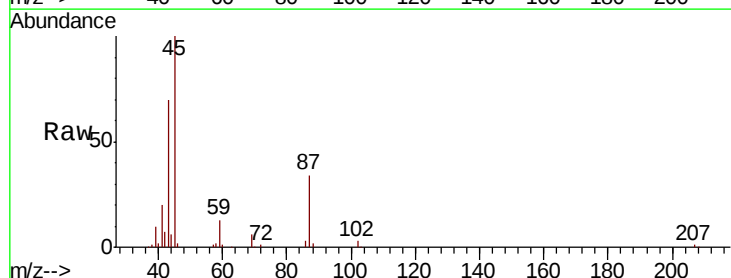
Ion Ratio Lower Upper

45 100

43 67.9 47.9 71.9

87 34.5 28.4 42.6

59 12.6 10.5 15.7

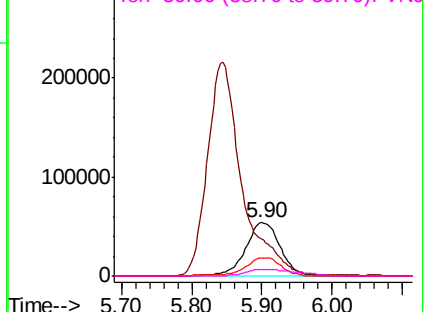
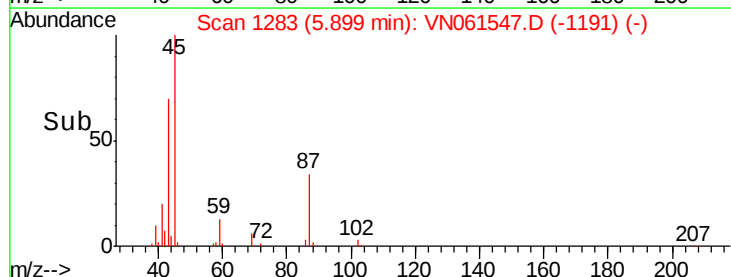


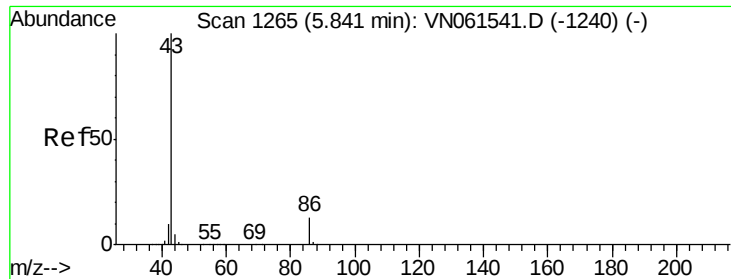
Abundance Ion 45.00 (44.70 to 45.70): VN061547.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN061547.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN061547.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN061547.D (-1191) (-)

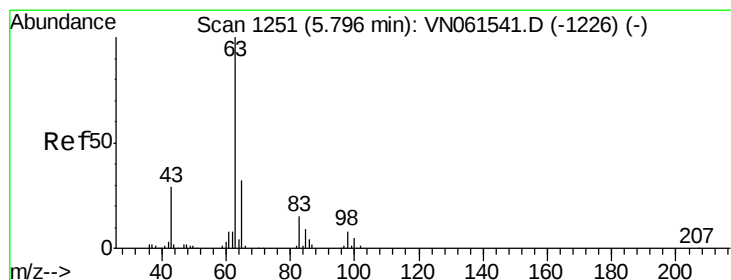
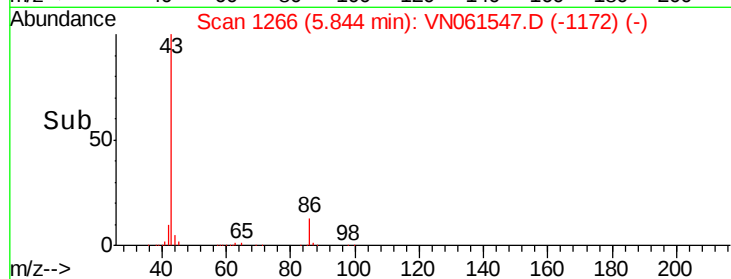
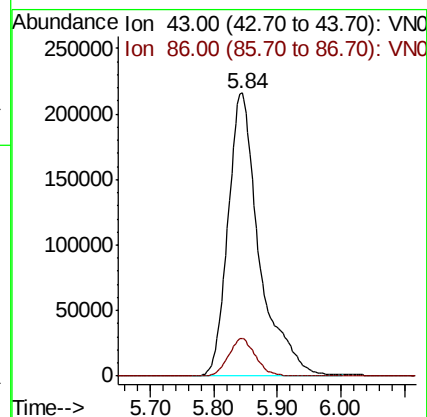
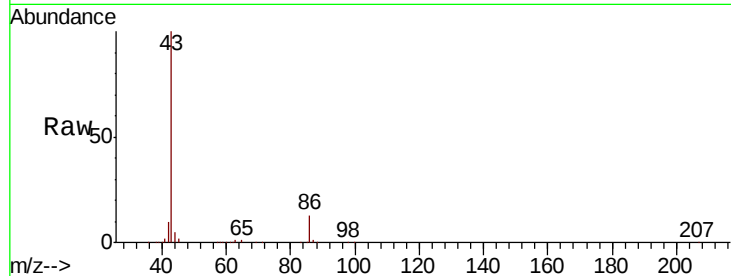




#23
 Vinyl Acetate
 Concen: 94.698 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

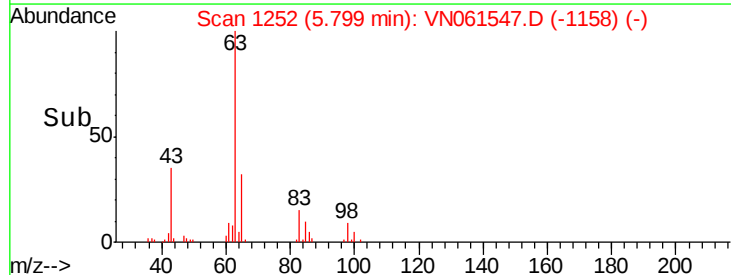
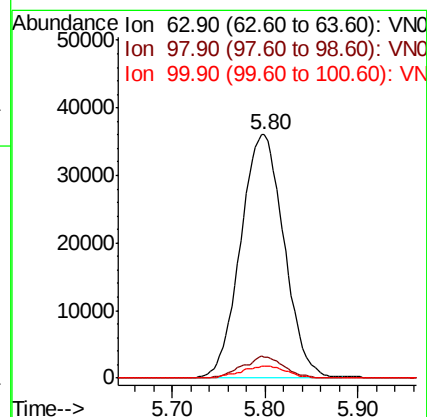
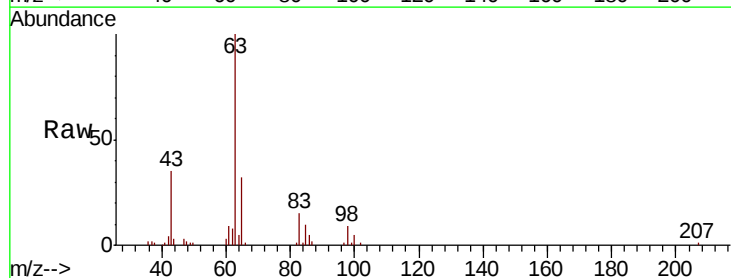
Instrument :
 MSVOA_N
 ClientSampleId :

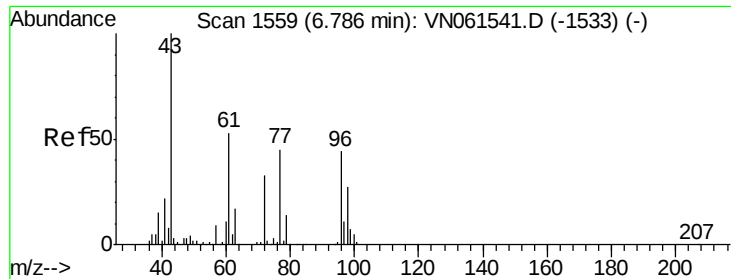
Tot Ion: 43 Resp: 738184
 Ion Ratio Lower Upper
 43 100
 86 13.4 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 18.898 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 63 Resp: 117206
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.8 11.4
 100 5.0 2.5 7.6

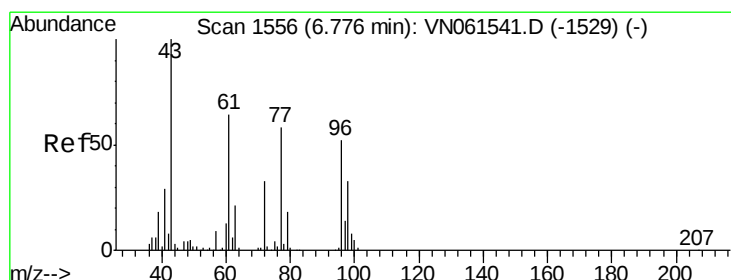
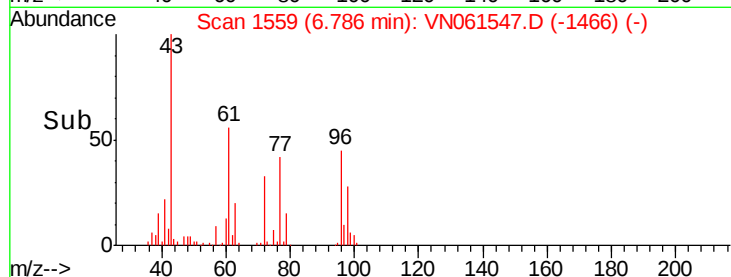
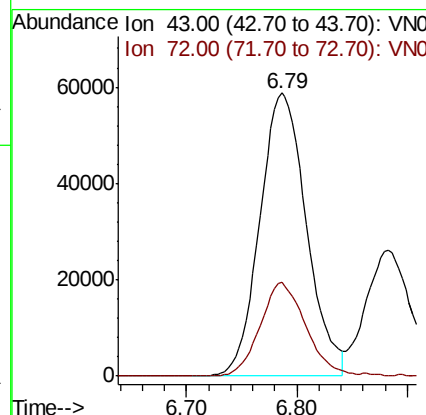
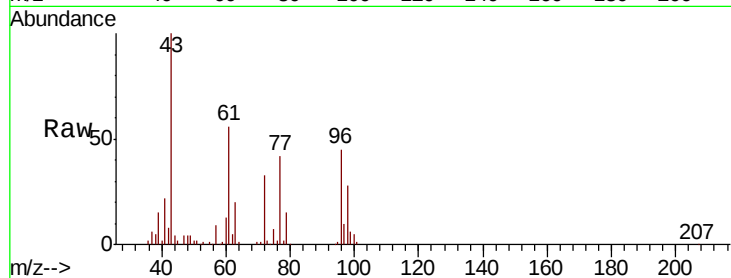




#25
2-Butanone
Concen: 91.745 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

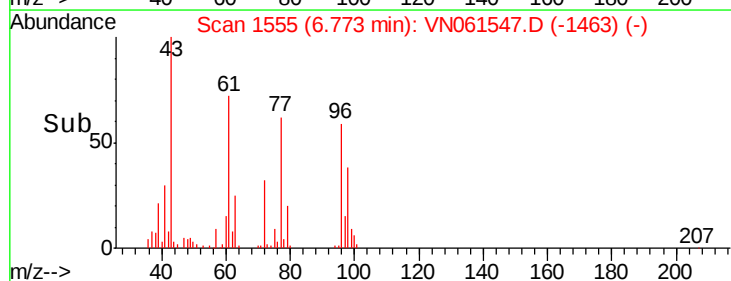
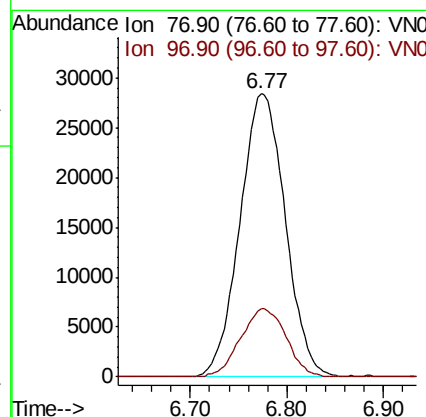
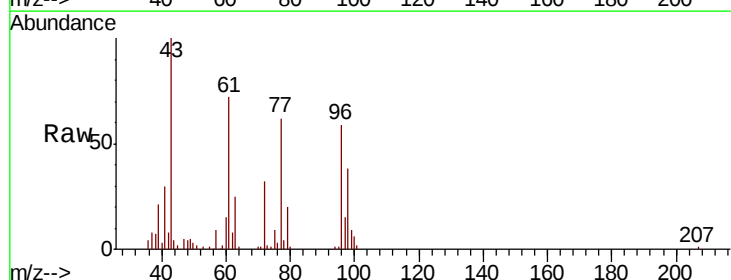
Instrument :
MSVOA_N
ClientSampled :

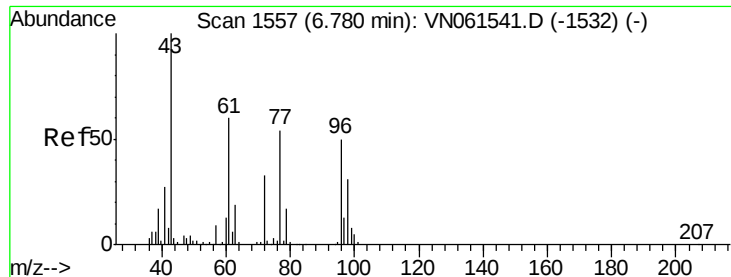
Tot Ion: 43 Resp: 172081
Ion Ratio Lower Upper
43 100
72 33.2 26.0 39.0



#26
2,2-Dichloropropane
Concen: 16.282 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion: 77 Resp: 92421
Ion Ratio Lower Upper
77 100
97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.246 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampled :

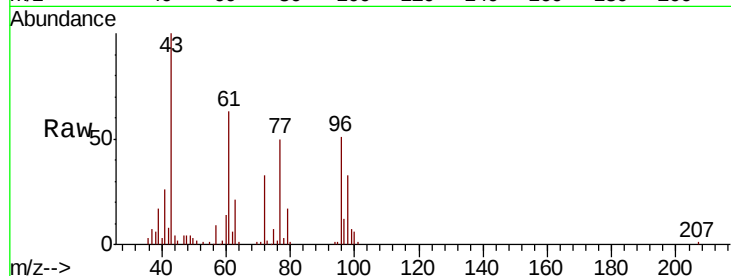
Tot Ion: 96 Resp: 83419

Ion Ratio Lower Upper

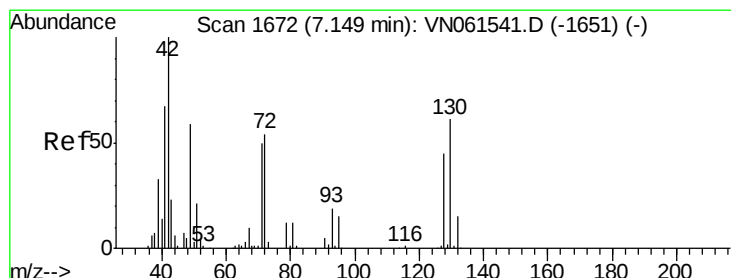
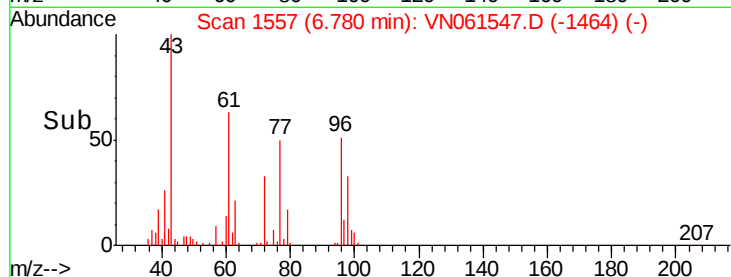
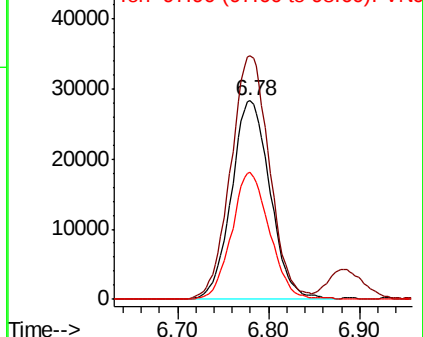
96 100

61 123.5 0.0 252.2

98 62.2 0.0 129.2



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



#28

Bromochloromethane

Concen: 19.250 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

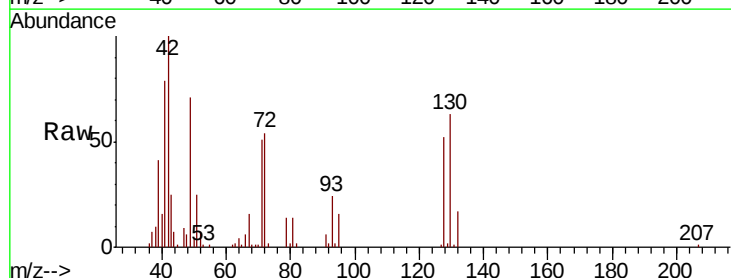
Tgt Ion: 49 Resp: 46817

Ion Ratio Lower Upper

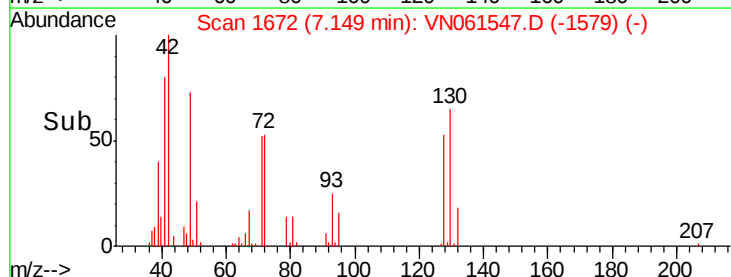
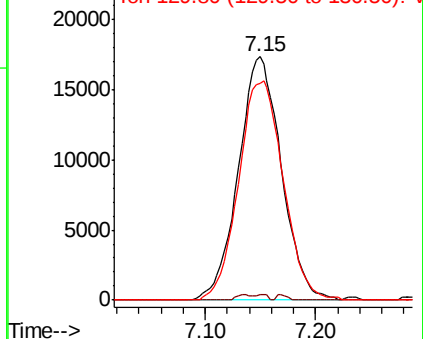
49 100

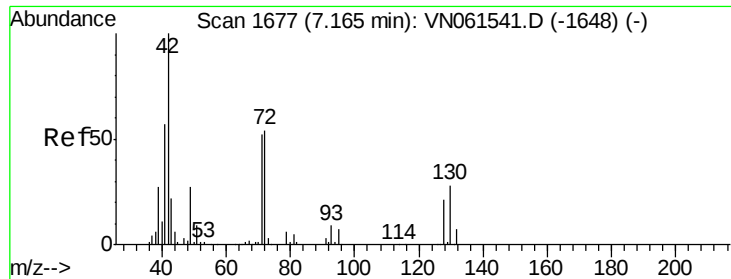
129 0.6 0.0 4.8

130 93.6 78.8 118.2



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

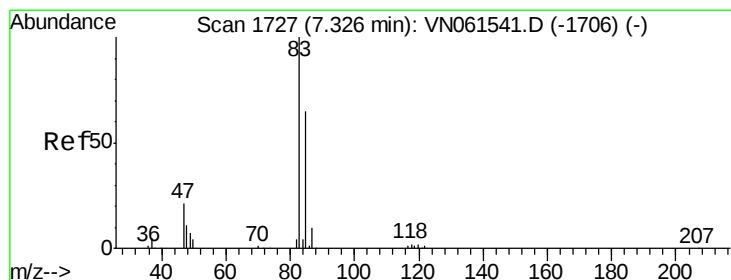
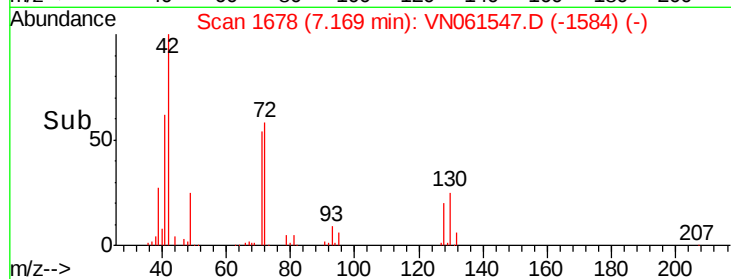
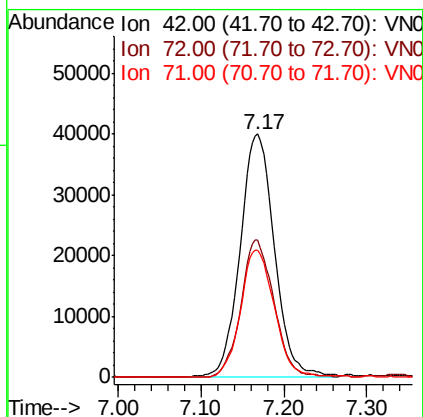
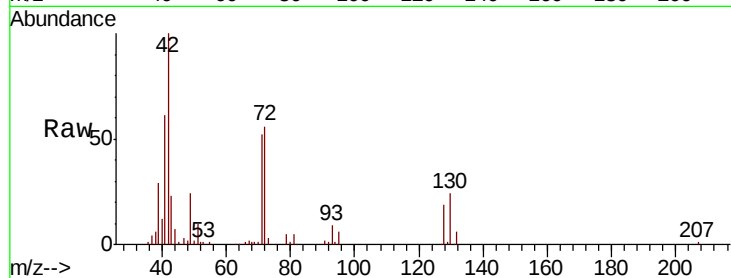




#29
Tetrahydrofuran
Concen: 93.325 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

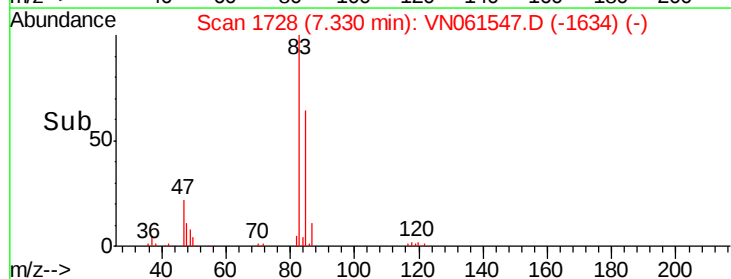
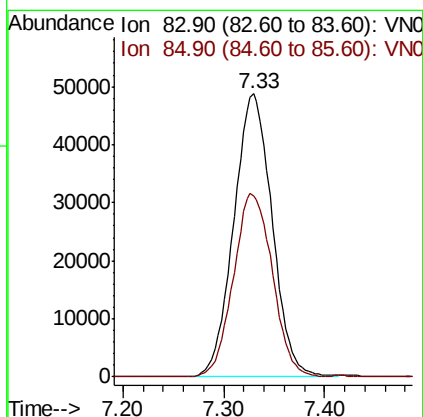
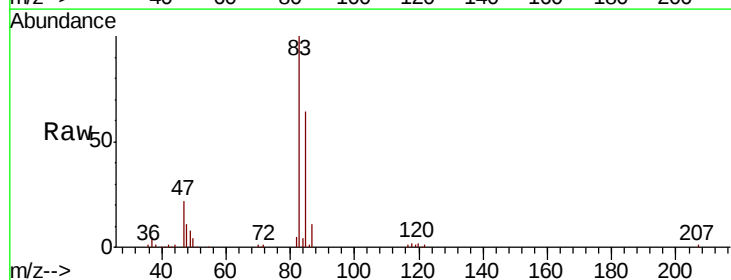
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 115427
Ion Ratio Lower Upper
42 100
72 54.3 43.6 65.4
71 51.2 41.2 61.8



#30
Chloroform
Concen: 18.743 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion: 83 Resp: 128602
Ion Ratio Lower Upper
83 100
85 64.2 51.7 77.5





#31

Cyclohexane

Concen: 19.000 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampled :

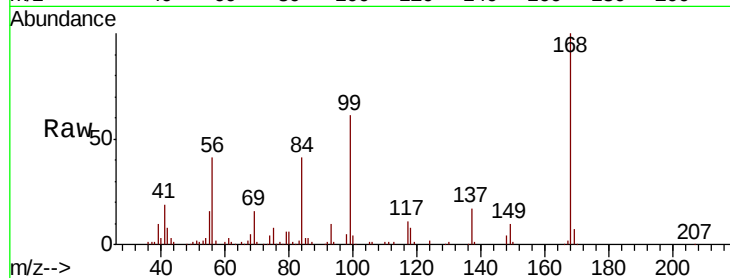
Tot Ion: 56 Resp: 105977

Ion Ratio Lower Upper

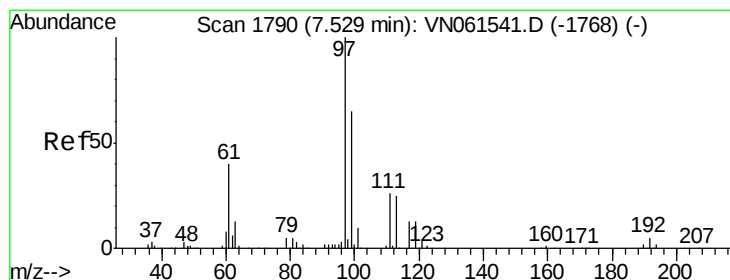
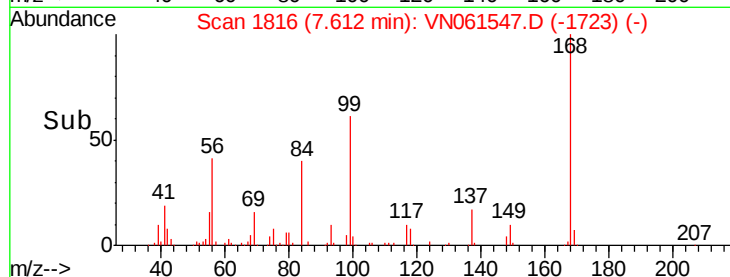
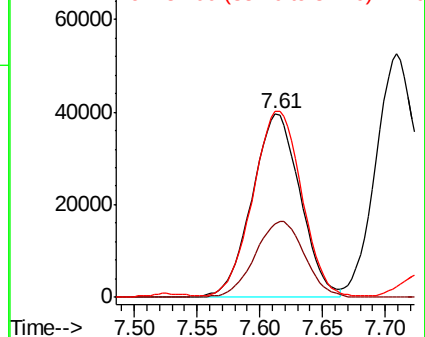
56 100

69 40.2 27.8 41.8

84 100.2 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.842 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

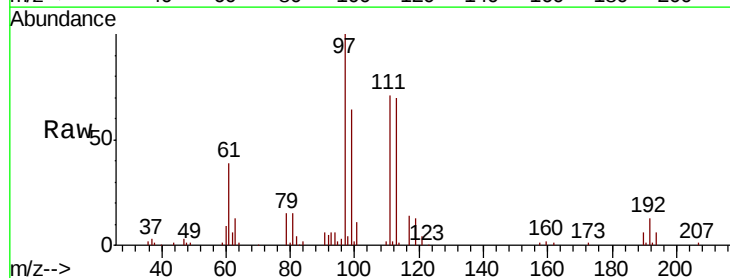
Tgt Ion: 97 Resp: 117800

Ion Ratio Lower Upper

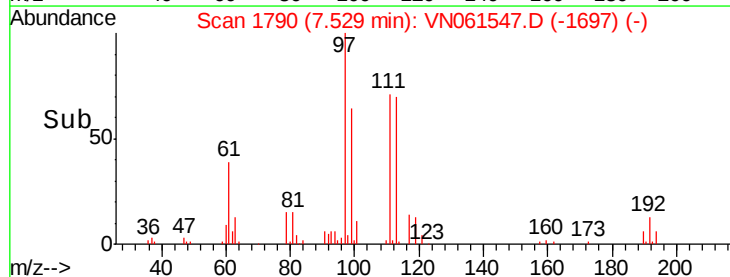
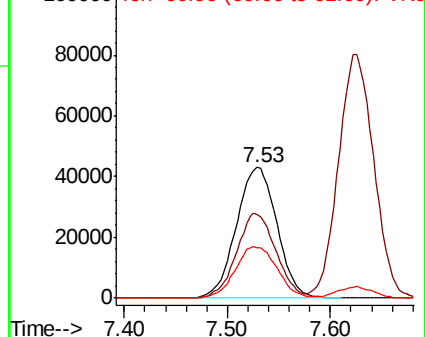
97 100

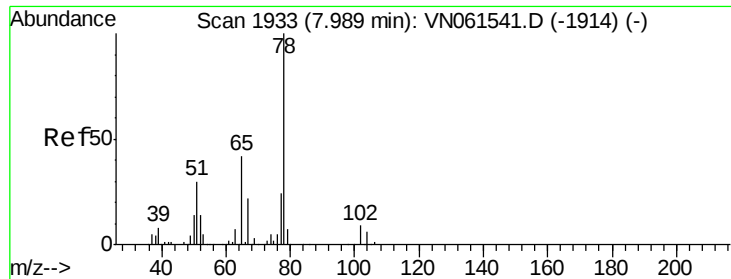
99 62.8 51.4 77.0

61 40.5 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

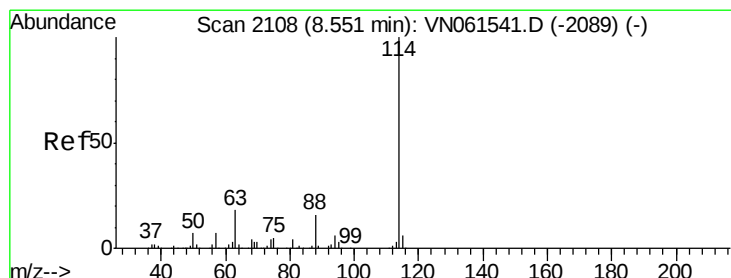
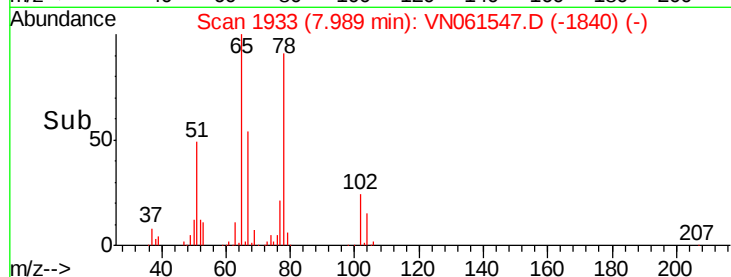
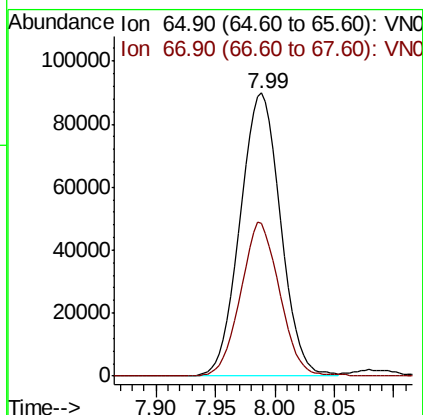
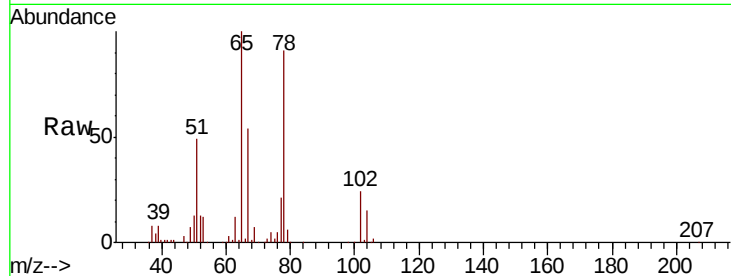




#33
 1,2-Dichloroethane-d4
 Concen: 53.477 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

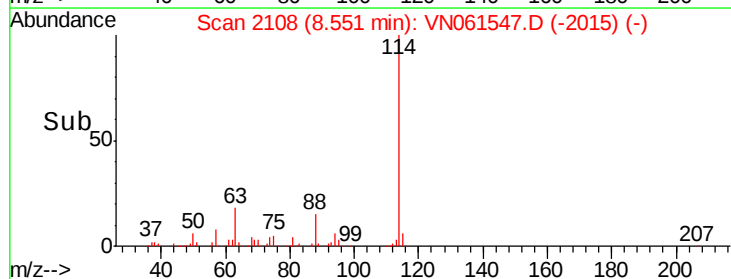
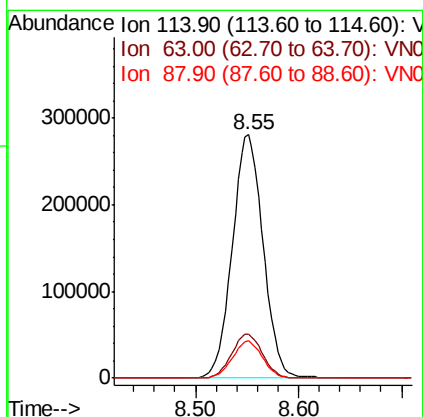
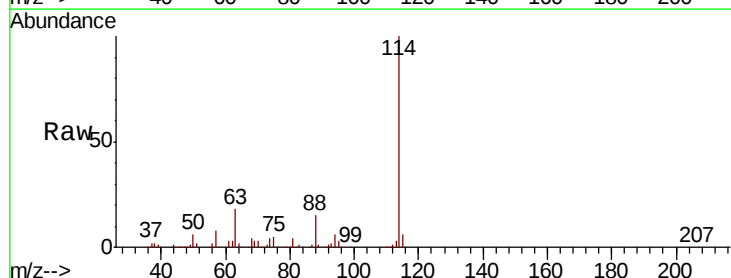
Instrument :
 MSVOA_N
 ClientSampled :

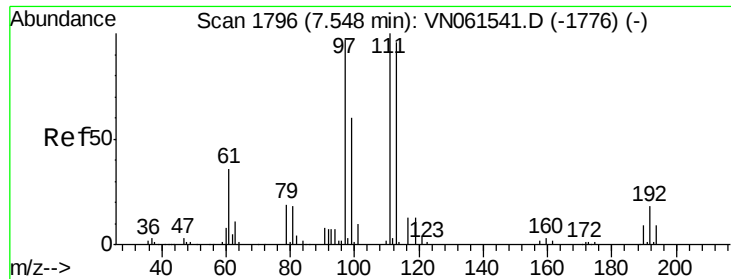
Tot Ion: 65 Resp: 211645
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 114 Resp: 583792
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.8
 88 15.3 0.0 31.0

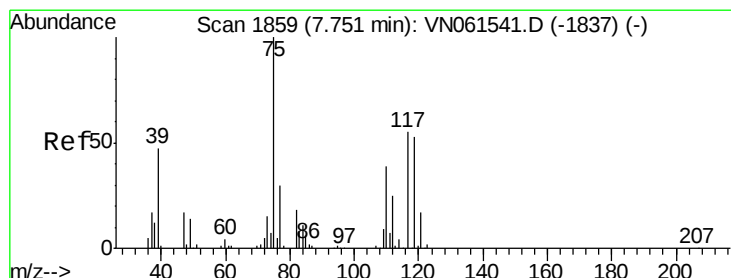
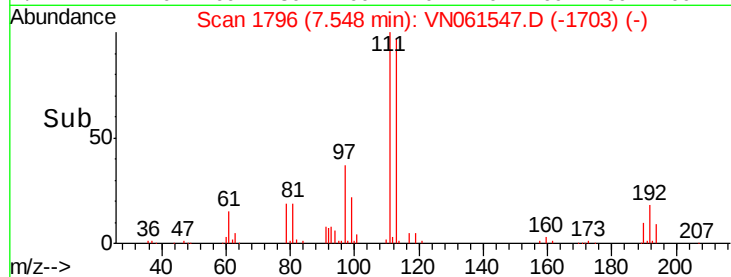
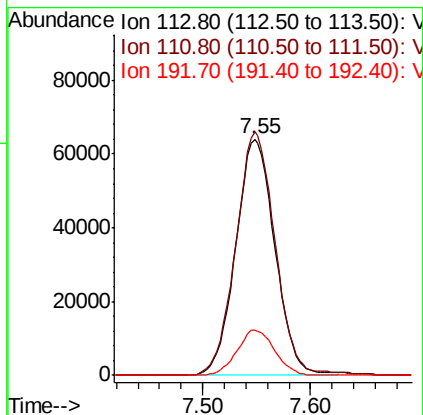
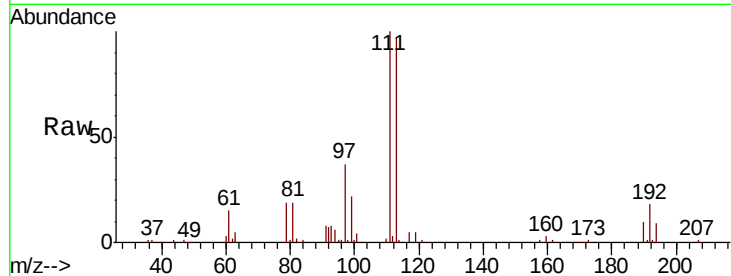




#35
 Dibromofluoromethane
 Concen: 54.502 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

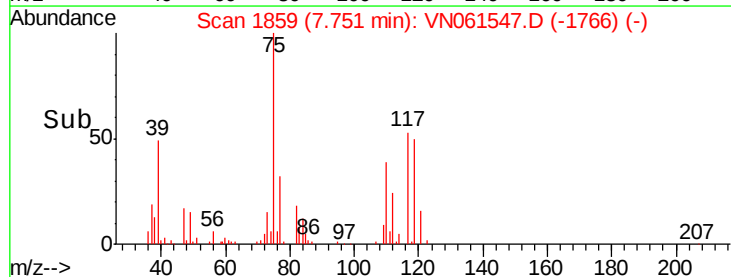
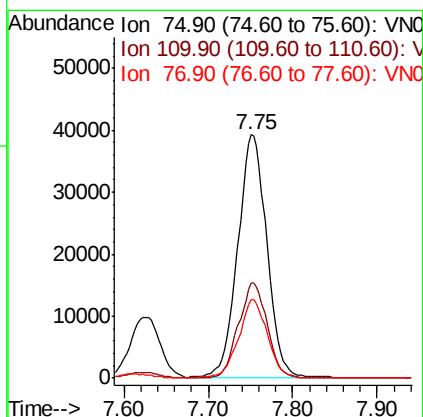
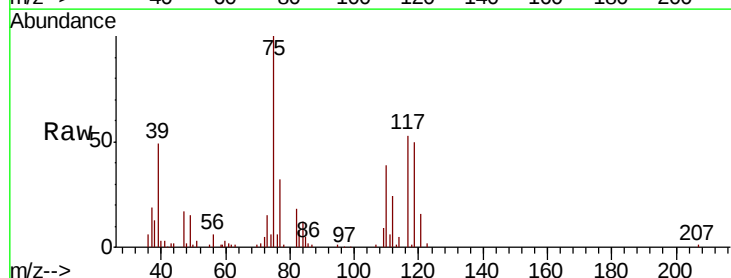
Instrument :
 MSVOA_N
 ClientSampleId :

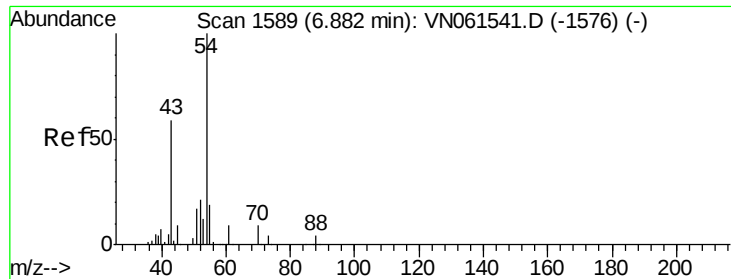
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.4	125.0
192	18.6	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 18.380 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.5	58.5
77	31.9	24.7	37.1

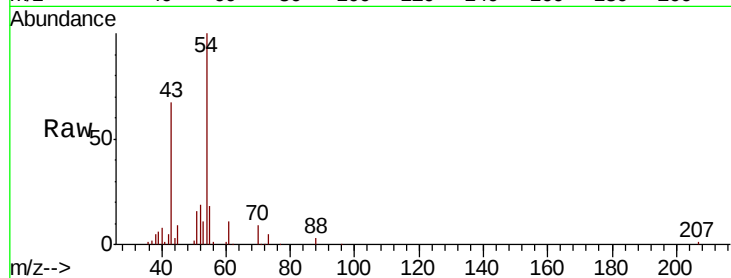




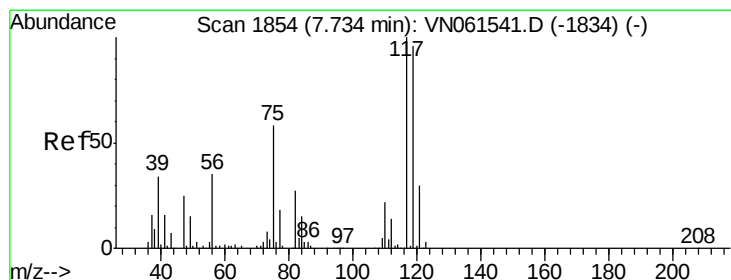
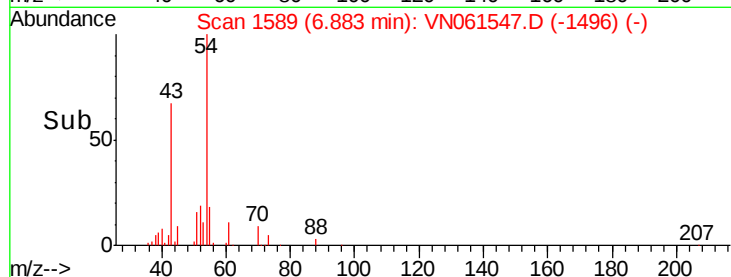
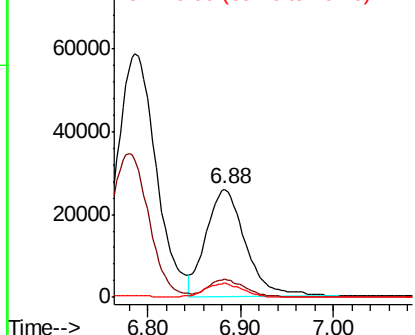
#37
Ethyl Acetate
Concen: 18.320 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 76257
Ion Ratio Lower Upper
43 100
61 15.9 12.2 18.4
70 12.7 9.4 14.2

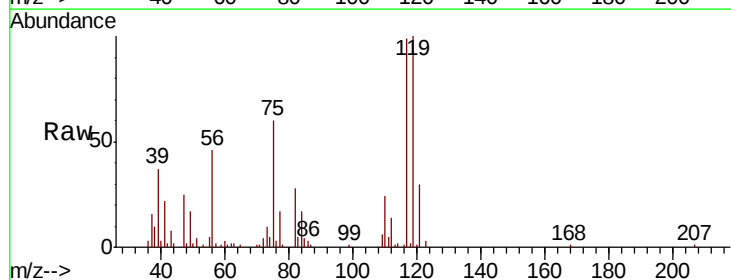


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

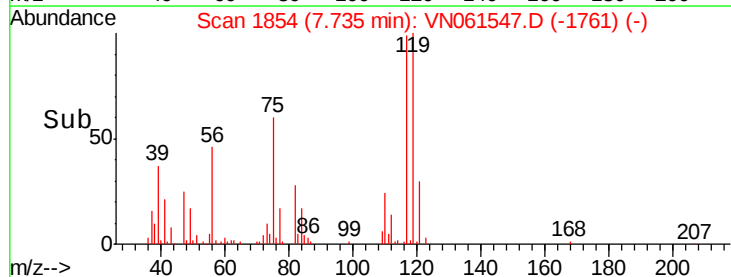
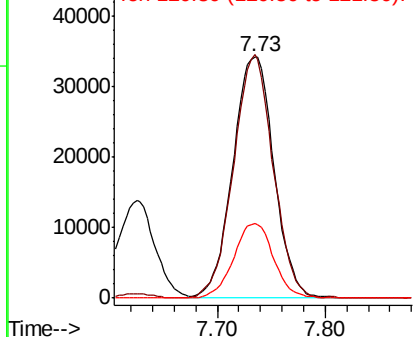


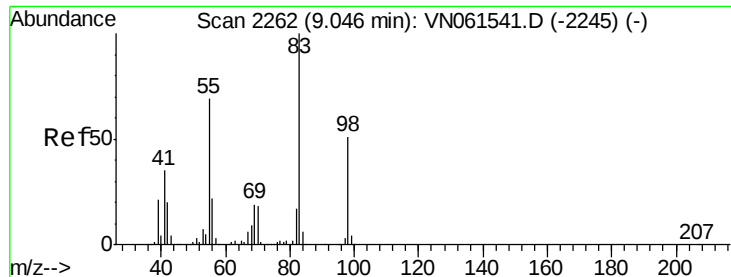
#38
Carbon Tetrachloride
Concen: 18.251 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion: 117 Resp: 90982
Ion Ratio Lower Upper
117 100
119 100.9 76.5 114.7
121 30.7 24.1 36.1



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

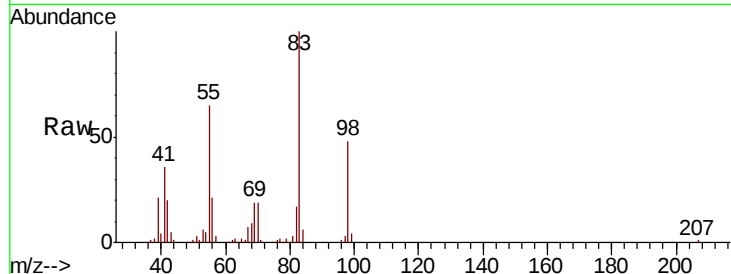




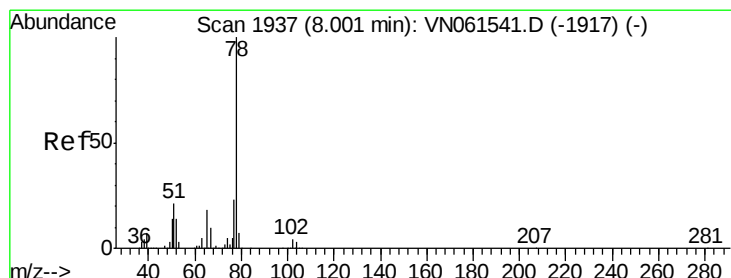
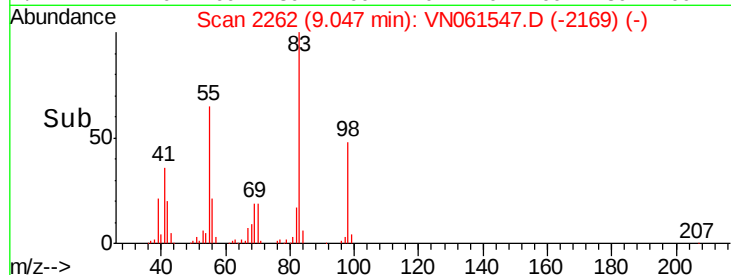
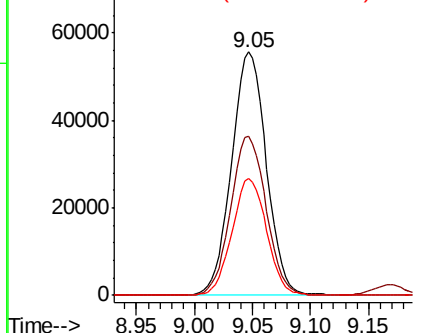
#39
Methvlcvclohexane
Concen: 18.183 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	83.00	Resp	115829
Ion	Ratio	Lower	Upper
83	100		
55	65.4	54.9	82.3
98	48.2	41.0	61.4

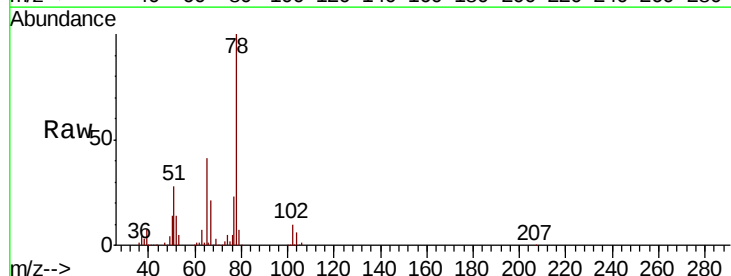


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

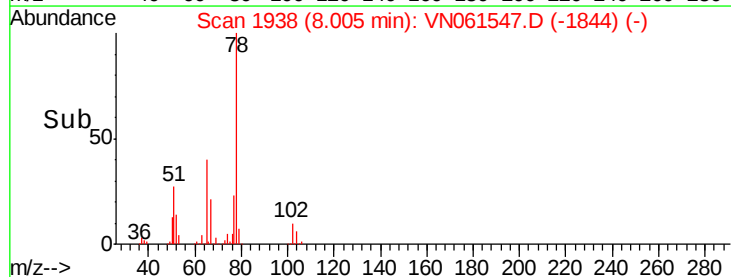
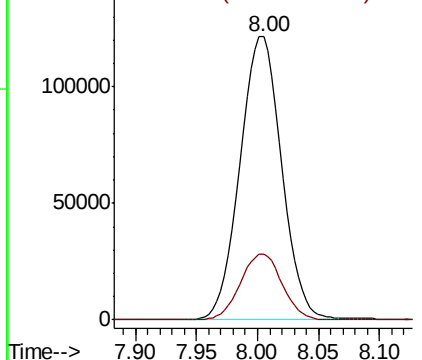


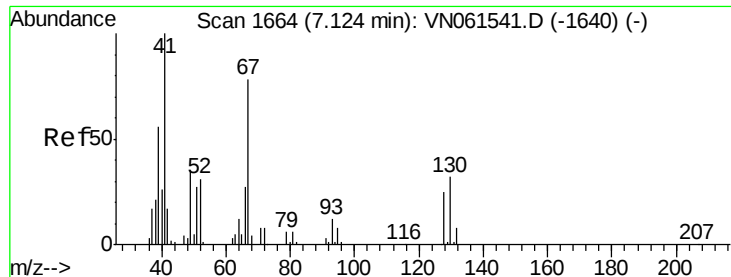
#40
Benzene
Concen: 18.008 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion	78	Resp	287150
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0



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

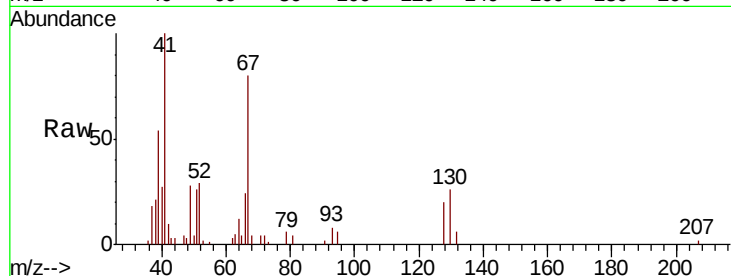




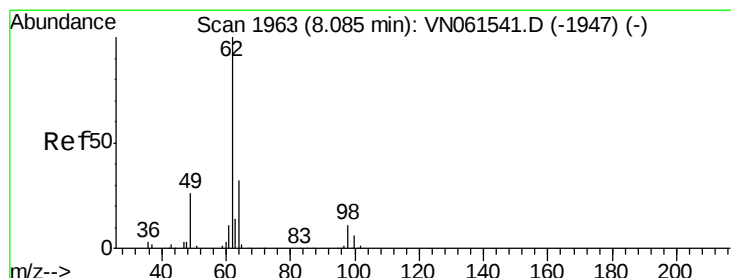
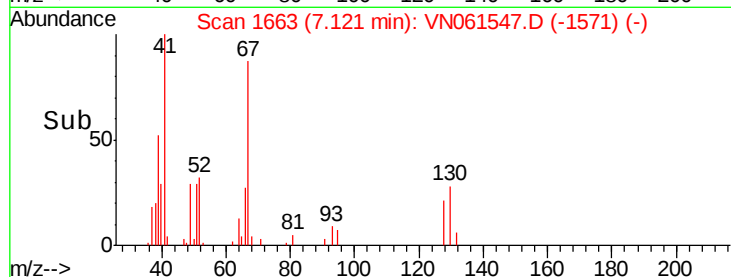
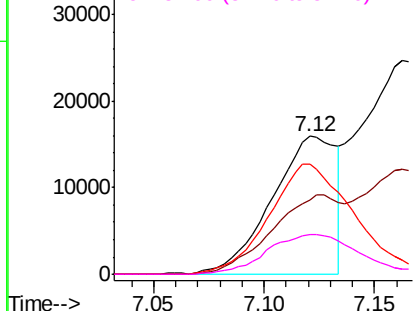
#41
Methacrylonitrile
Concen: 16.921 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 32271
Ion Ratio Lower Upper
41 100
39 62.9 53.8 80.6
67 106.4 91.1 136.7
52 42.2 36.0 54.0

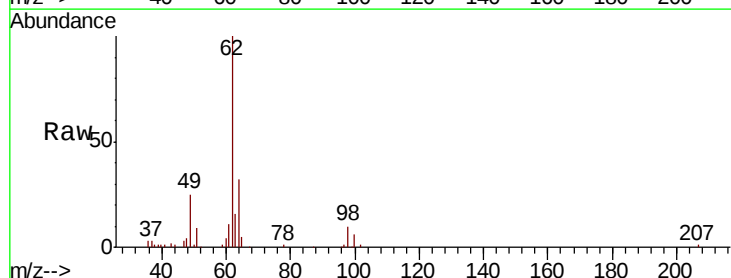


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

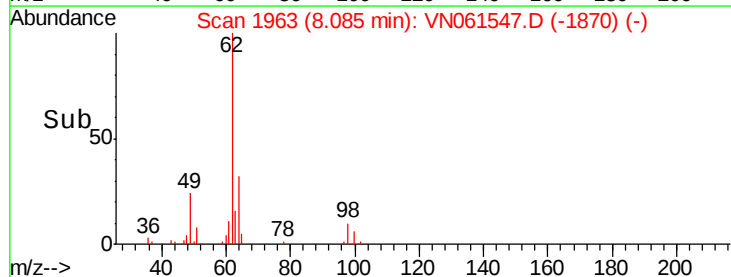
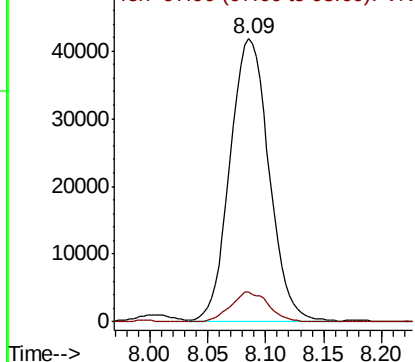


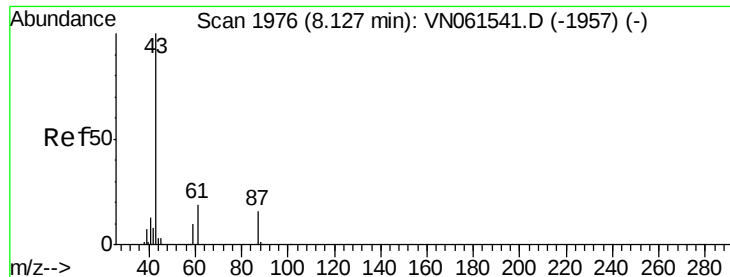
#42
1,2-Dichloroethane
Concen: 18.344 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion: 62 Resp: 97927
Ion Ratio Lower Upper
62 100
98 10.3 0.0 21.4



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





#43

Isopropyl Acetate

Concen: 17.769 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

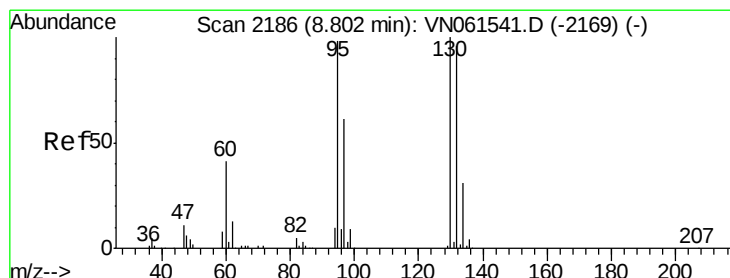
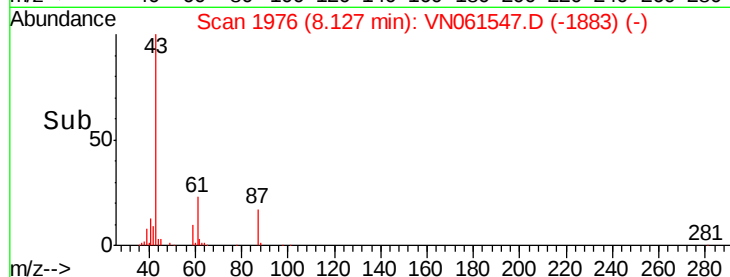
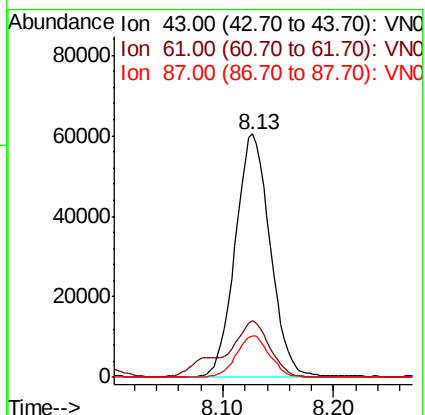
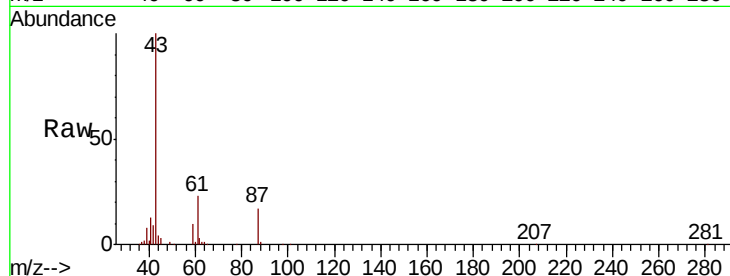
Tot Ion: 43 Resp: 133069

Ion Ratio Lower Upper

43 100

61 22.3 23.6 35.4#

87 16.3 13.0 19.6



#44

Trichloroethene

Concen: 17.929 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061547.D

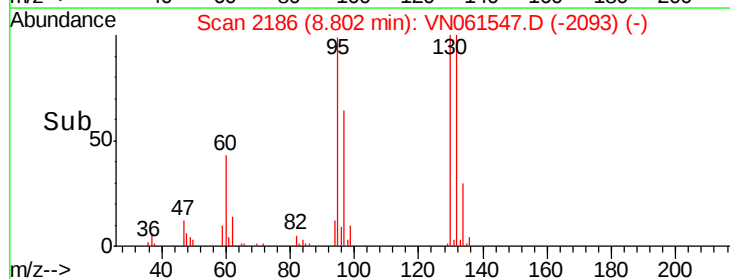
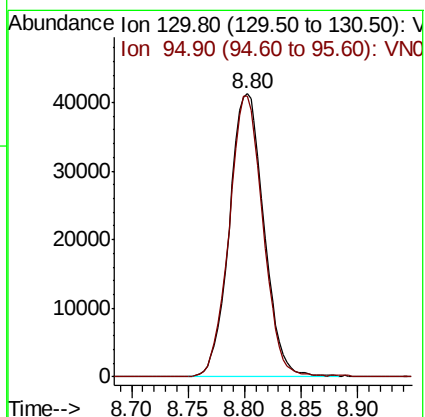
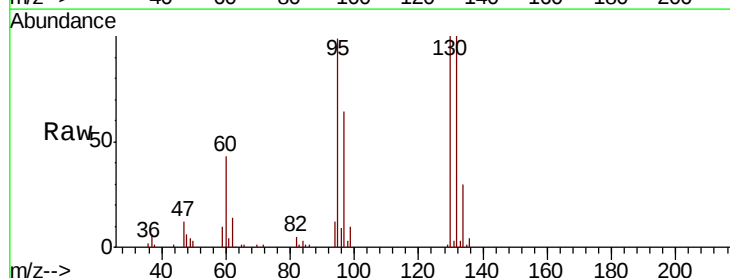
Acq: 28 May 2020 22:26

Tgt Ion:130 Resp: 87863

Ion Ratio Lower Upper

130 100

95 99.1 0.0 196.6

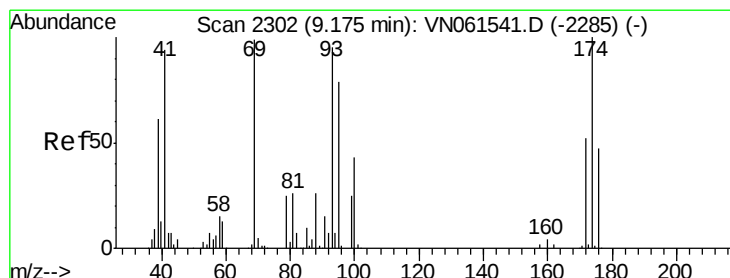
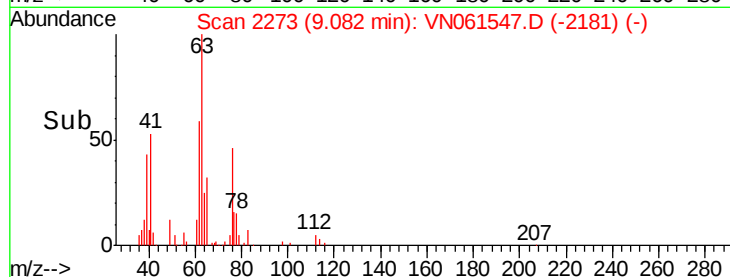
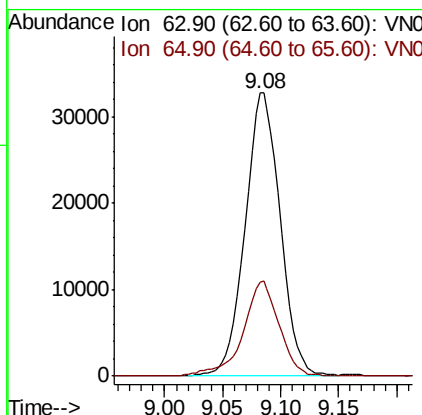
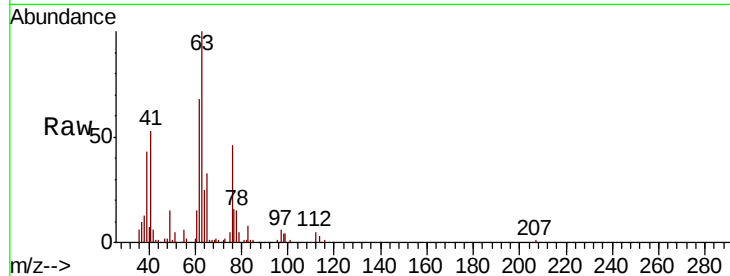




#45
 1,2-Dichloropropane
 Concen: 18.263 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

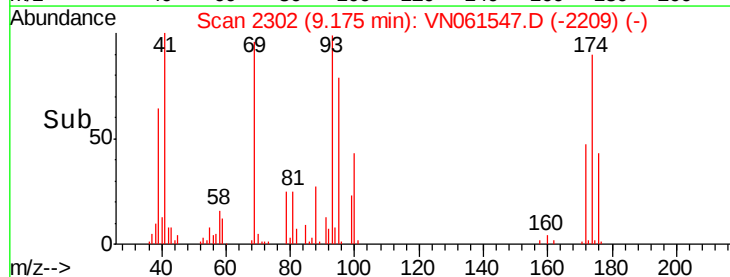
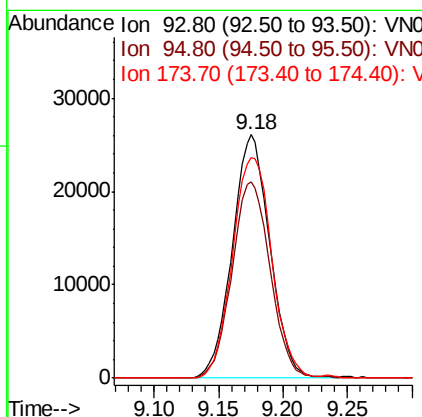
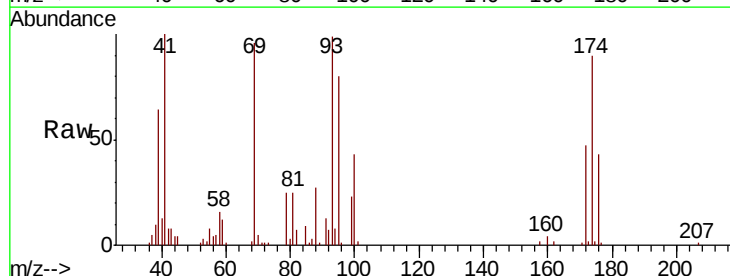
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 69151
 Ion Ratio Lower Upper
 63 100
 65 33.4 24.7 37.1



#46
 Dibromomethane
 Concen: 18.222 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 93 Resp: 52916
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.0 99.0
 174 94.6 82.5 123.7





#47

Bromodichloromethane

Concen: 18.082 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

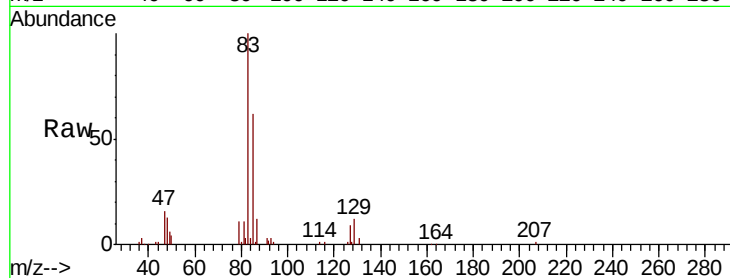
Tot Ion: 83 Resp: 104033

Ion Ratio Lower Upper

83 100

85 62.4 51.1 76.7

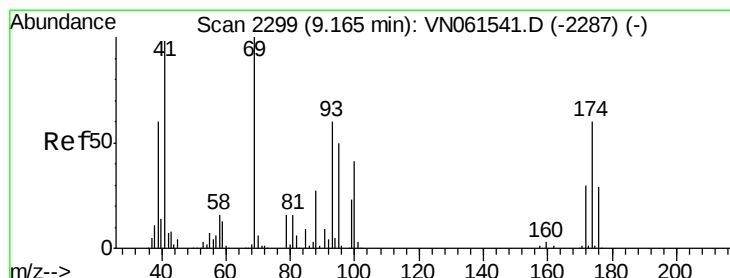
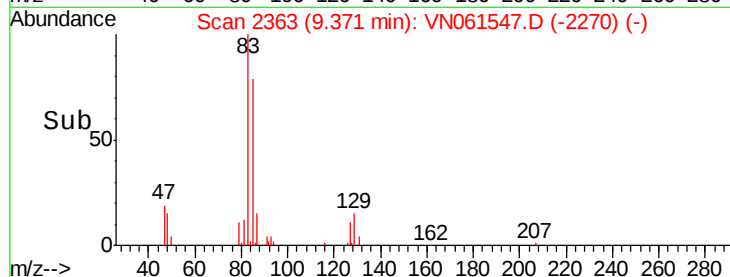
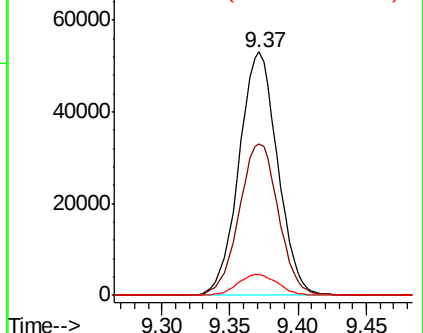
127 8.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061547.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN061547.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061547.D (-2346) (-)



#48

Methyl methacrylate

Concen: 17.128 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

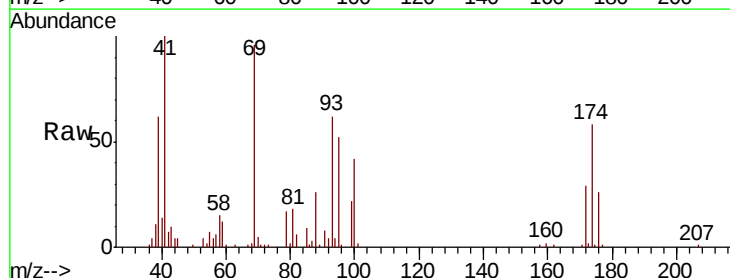
Tgt Ion: 41 Resp: 57709

Ion Ratio Lower Upper

41 100

69 104.0 83.9 125.9

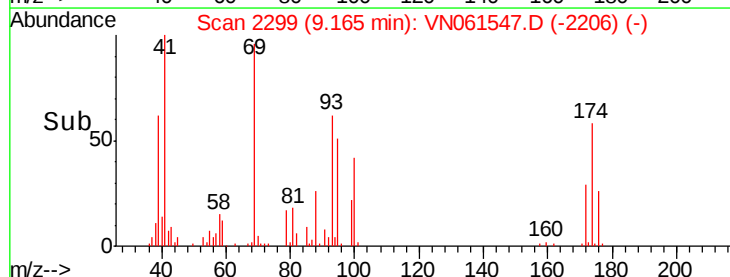
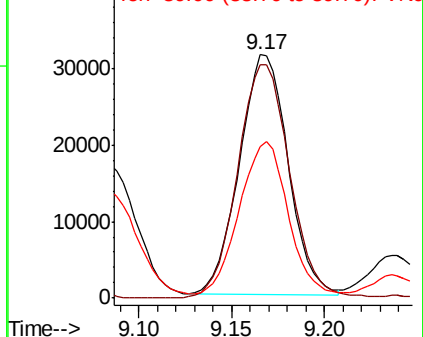
39 66.8 52.1 78.1

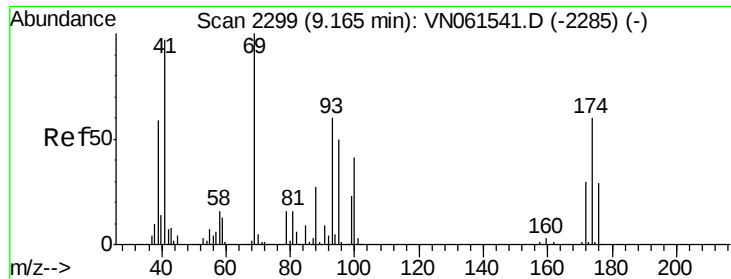


Abundance Ion 41.00 (40.70 to 41.70): VN061547.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061547.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061547.D (-2287) (-)

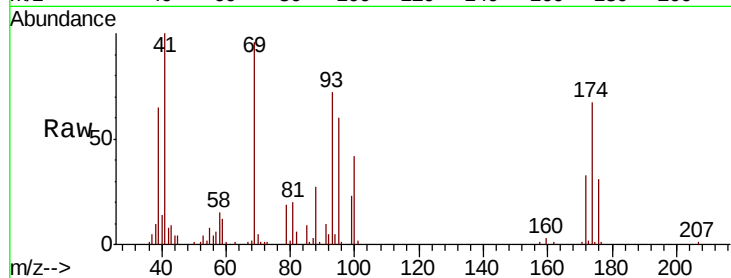




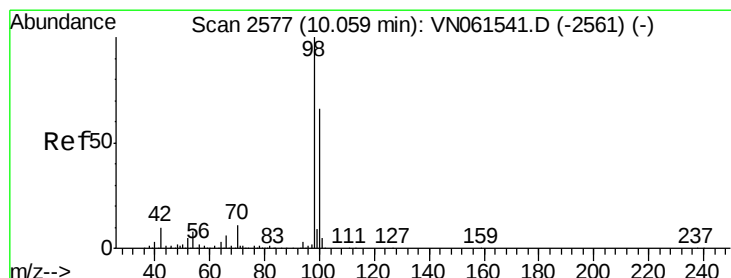
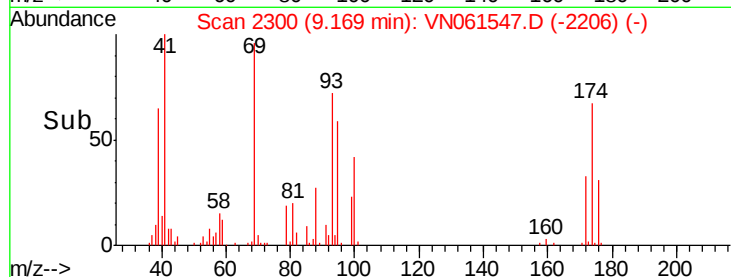
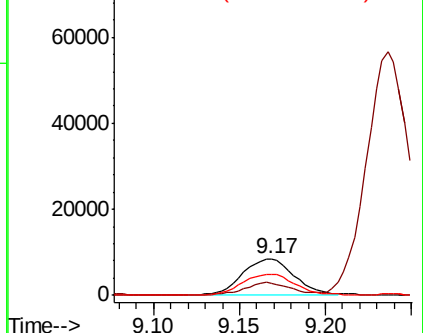
#49
 1,4-Dioxane
 Concen: 340.133 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 17754
 Ion Ratio Lower Upper
 88 100
 43 32.0 23.1 34.7
 58 59.4 48.3 72.5

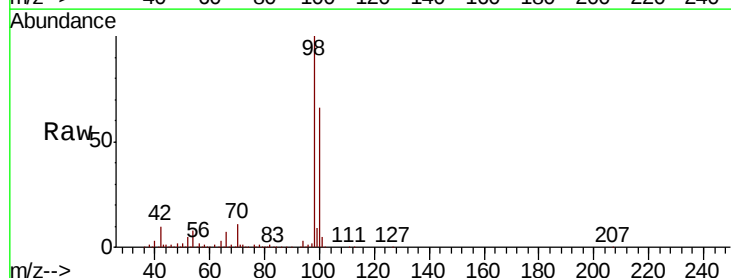


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

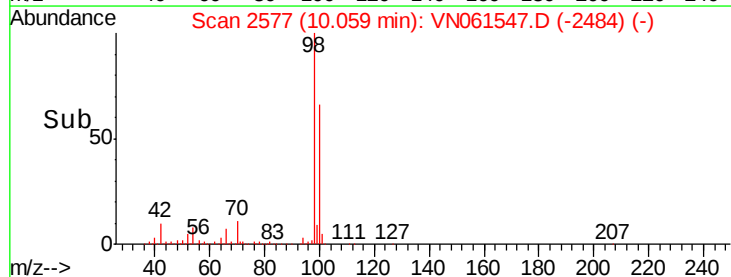
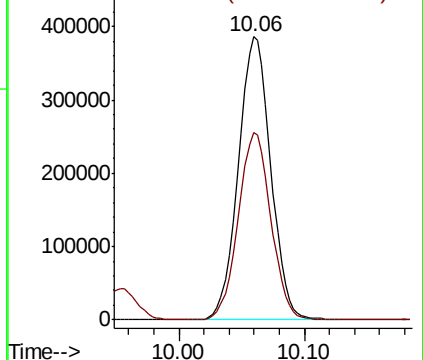


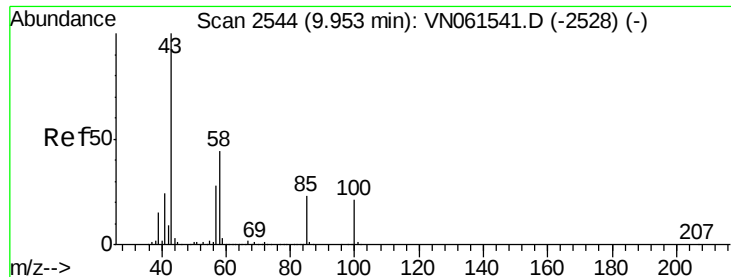
#50
 Toluene-d8
 Concen: 50.535 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 98 Resp: 693537
 Ion Ratio Lower Upper
 98 100
 100 66.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

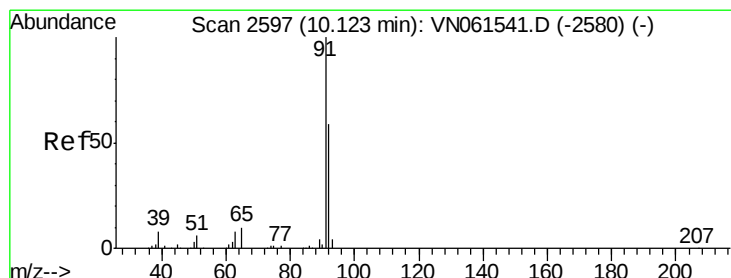
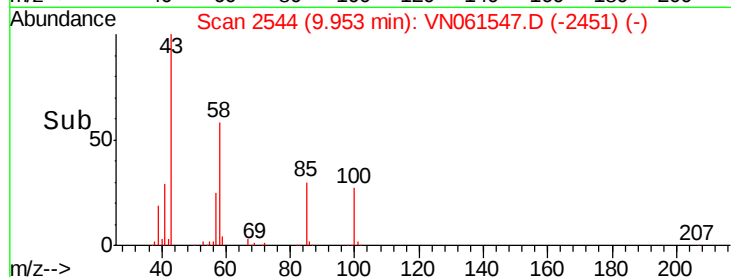
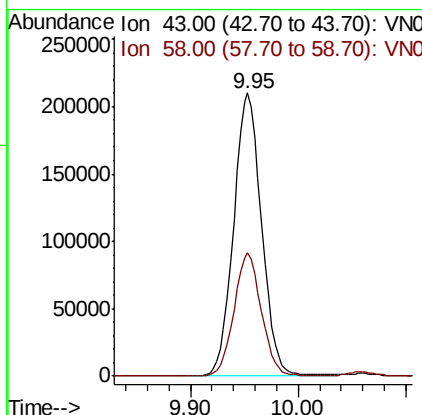
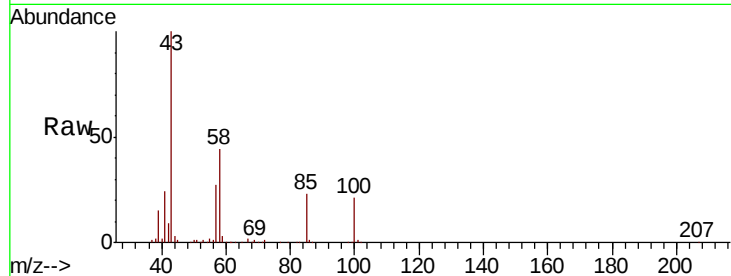




#51
 4-Methyl-2-Pentanone
 Concen: 89.768 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

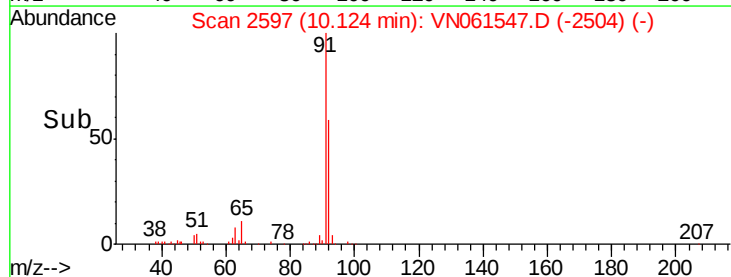
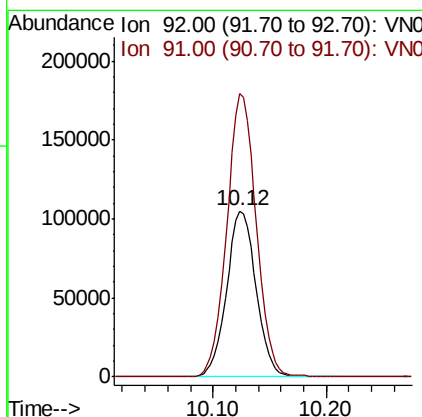
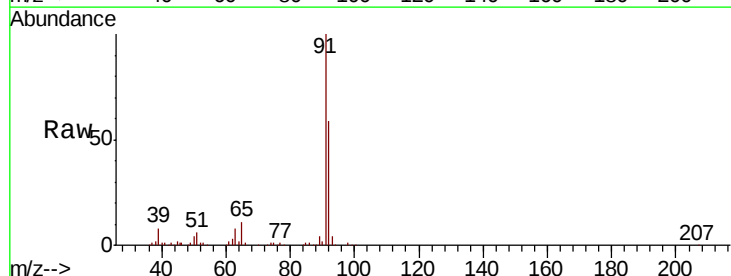
Instrument :
 MSVOA_N
 ClientSampleID :

Tot Ion: 43 Resp: 378836
 Ion Ratio Lower Upper
 43 100
 58 42.7 35.0 52.6



#52
 Toluene
 Concen: 18.239 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 92 Resp: 189825
 Ion Ratio Lower Upper
 92 100
 91 171.0 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 17.606 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

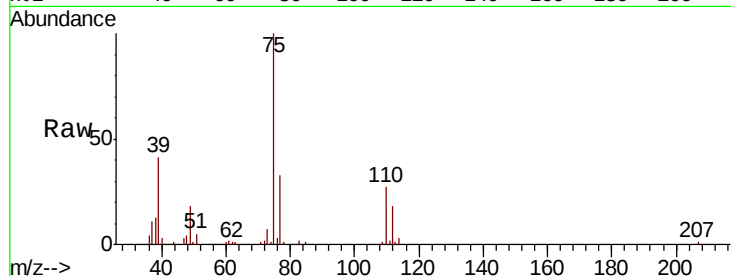
ClientSampleId :

Tot Ion: 75 Resp: 109122

Ion Ratio Lower Upper

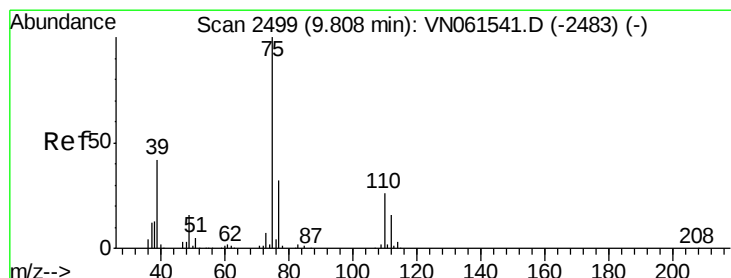
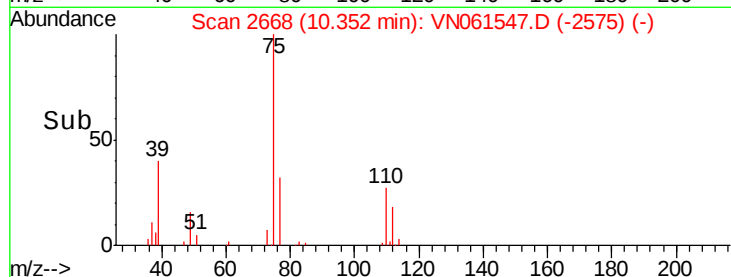
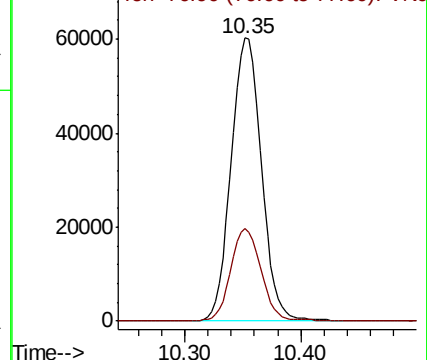
75 100

77 32.6 26.2 39.4



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: 17.742 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

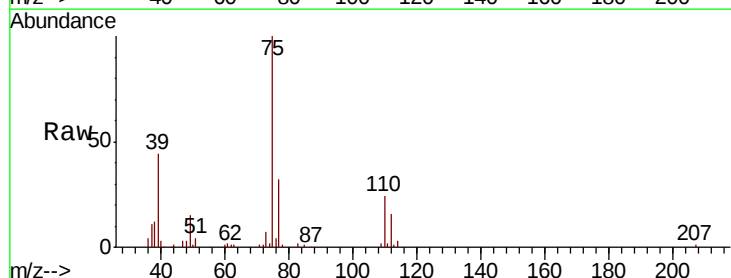
Tgt Ion: 75 Resp: 118234

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

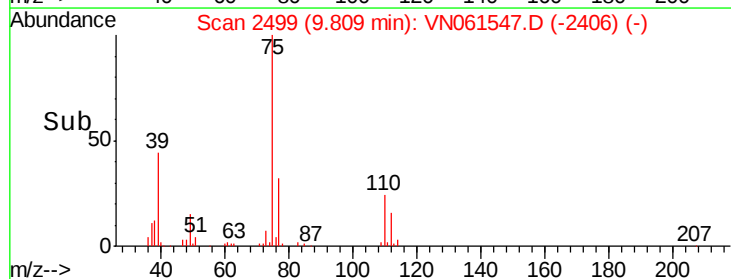
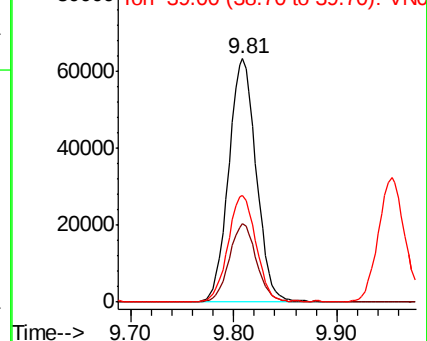
39 44.0 33.8 50.6

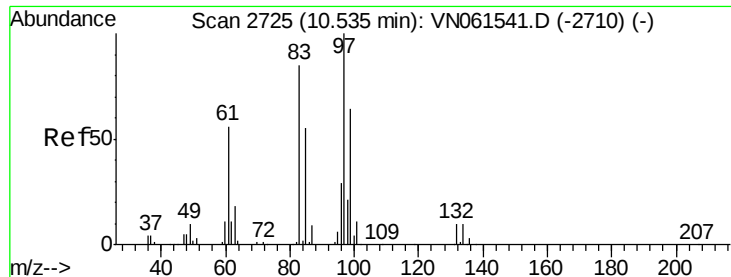


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

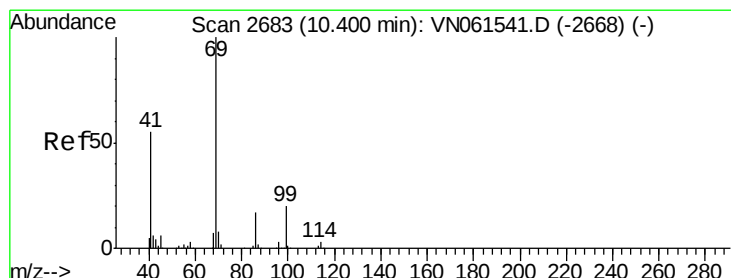
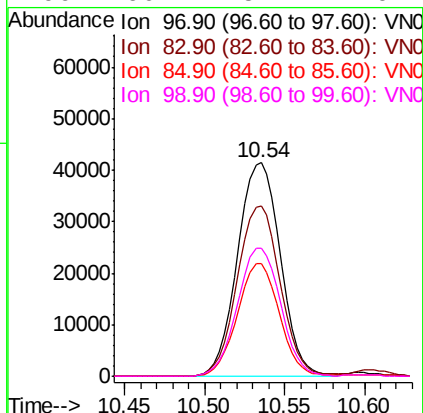
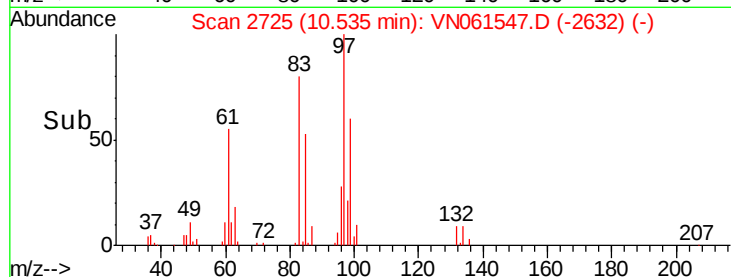
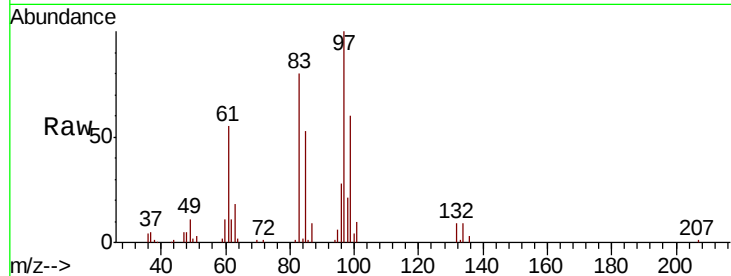




#55
 1,1,2-Trichloroethane
 Concen: 18.293 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

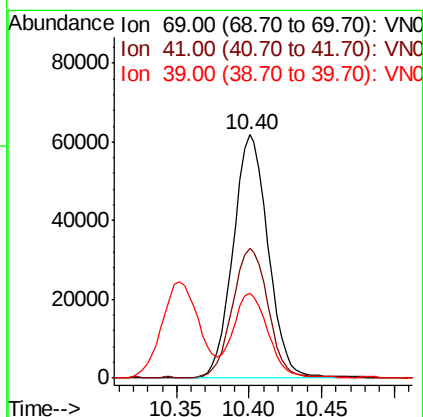
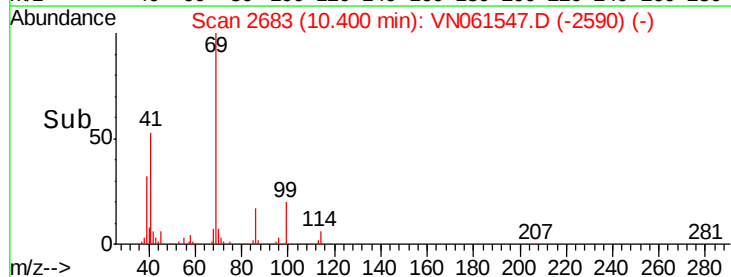
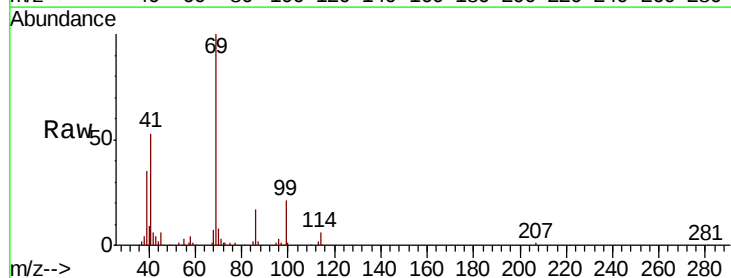
Instrument :
 MSVOA_N
 ClientSampleId :

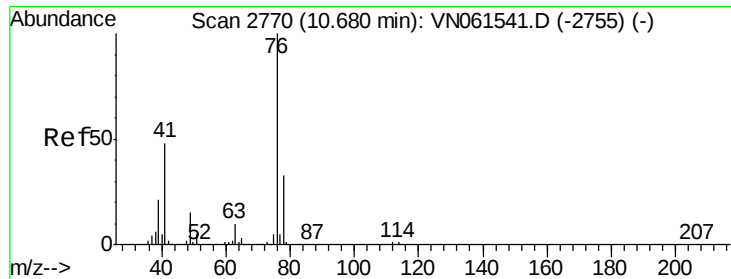
Tot Ion:	97	Resp:	75850
Ion	Ratio	Lower	Upper
97	100		
83	80.0	68.1	102.1
85	52.7	44.1	66.1
99	60.2	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 17.885 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion:	69	Resp:	103594
Ion	Ratio	Lower	Upper
69	100		
41	54.0	43.5	65.3
39	35.6	27.0	40.6

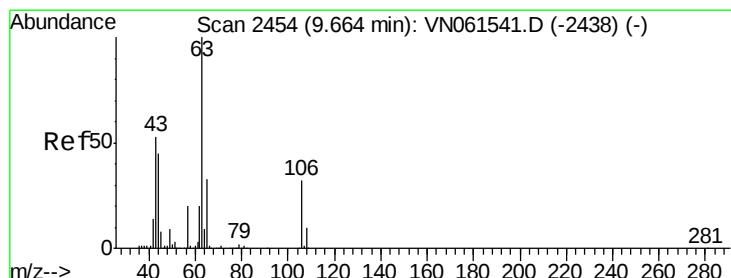
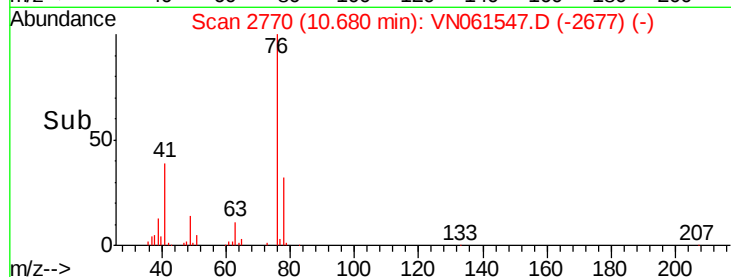
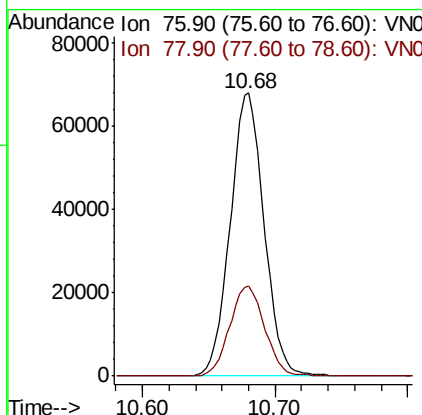
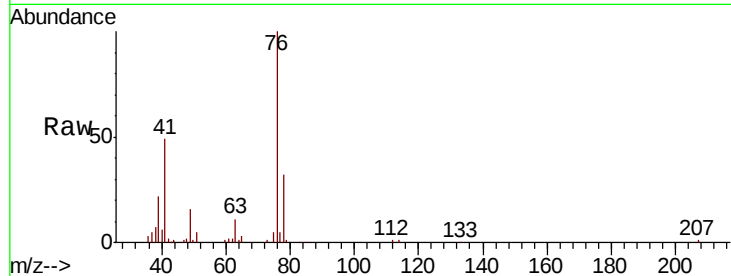




#57
 1,3-Dichloropropane
 Concen: 18.126 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

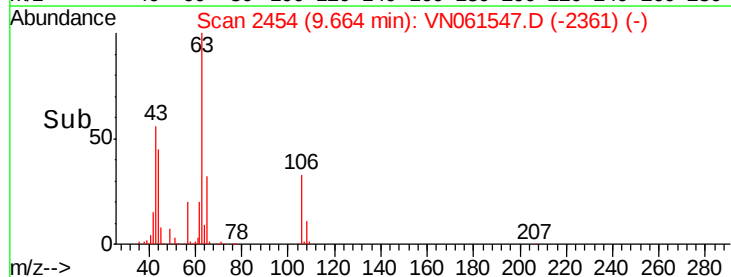
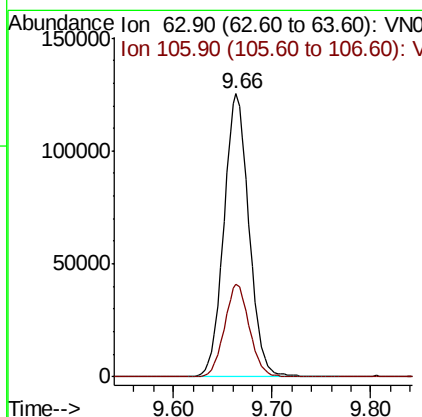
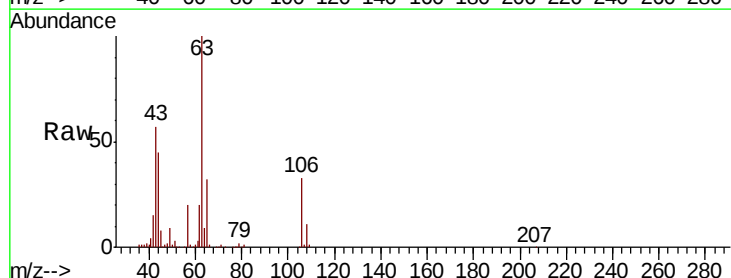
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 76 Resp: 120204
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.531 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 63 Resp: 224091
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.9 38.9

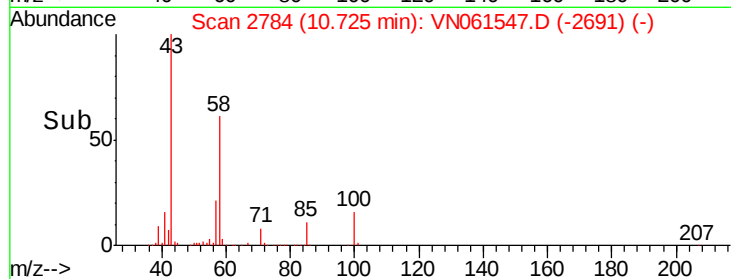
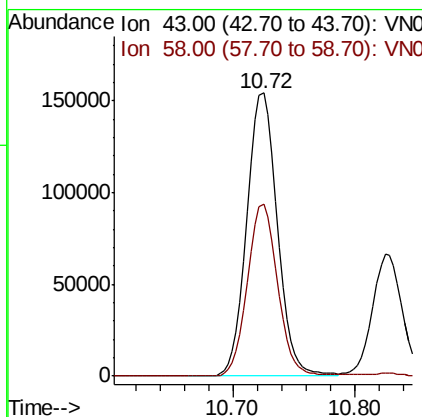
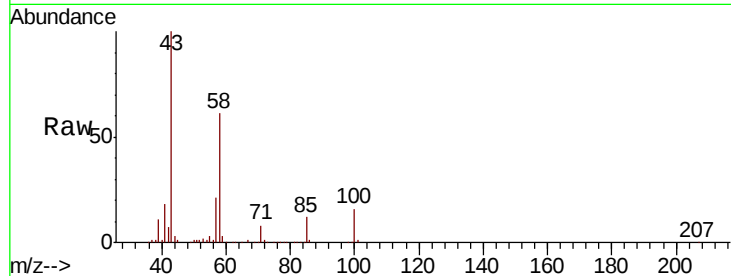




#59
2-Hexanone
Concen: 87.849 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

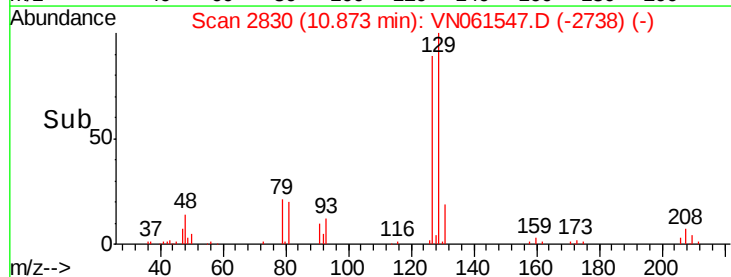
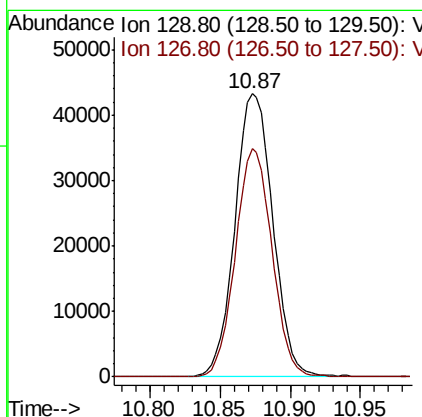
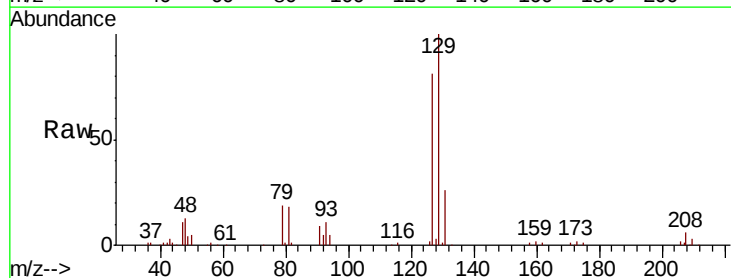
Instrument :
MSVOA_N
ClientSampleId :

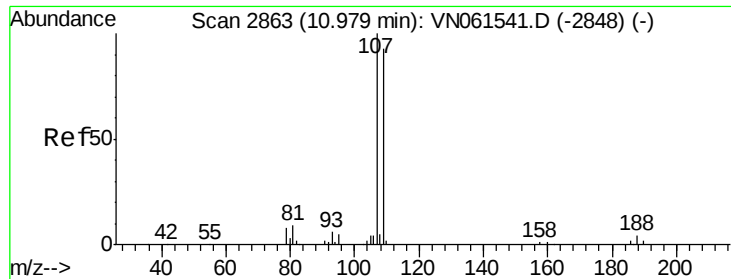
Tot Ion: 43 Resp: 266253
Ion Ratio Lower Upper
43 100
58 60.0 30.7 92.1



#60
Dibromochloromethane
Concen: 17.306 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion: 129 Resp: 81579
Ion Ratio Lower Upper
129 100
127 77.7 38.8 116.3

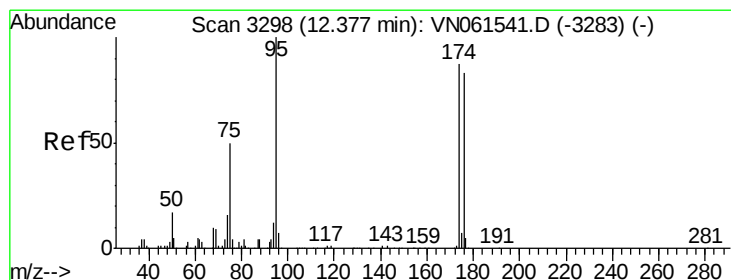
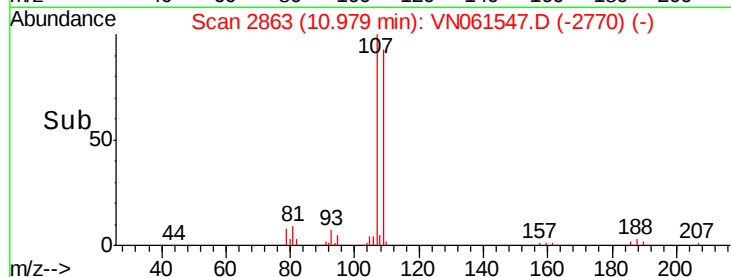
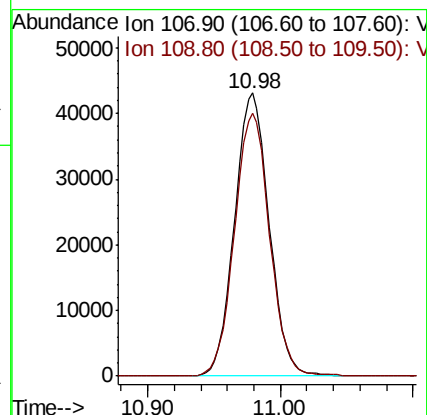
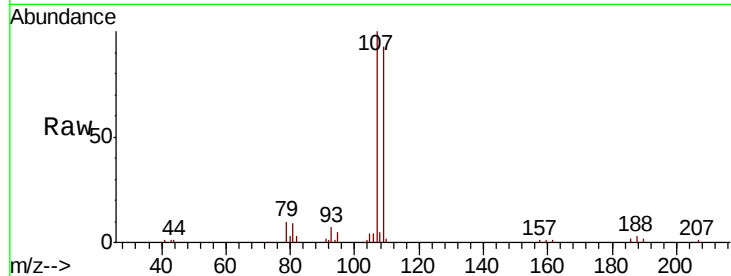




#61
 1,2-Dibromoethane
 Concen: 18.029 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

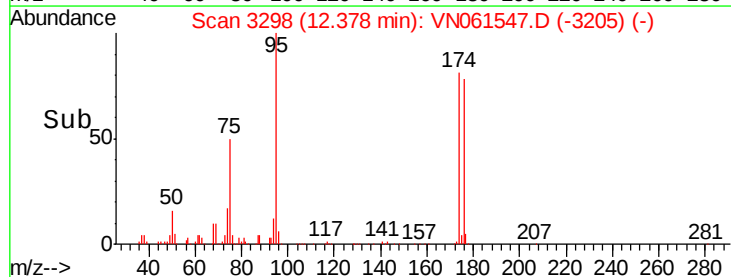
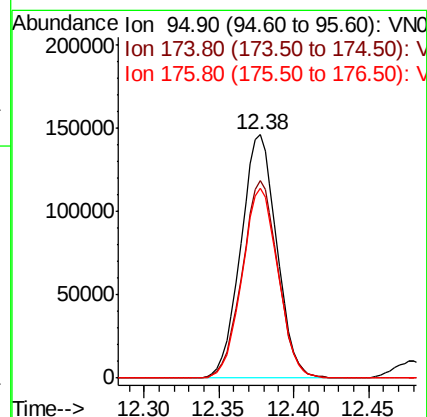
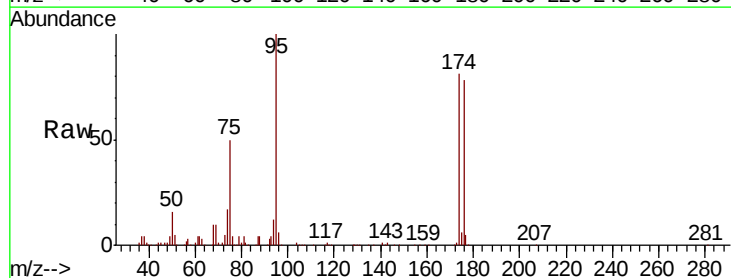
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 77968
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 48.824 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion: 95 Resp: 244461
 Ion Ratio Lower Upper
 95 100
 174 80.5 0.0 172.8
 176 78.1 0.0 164.8

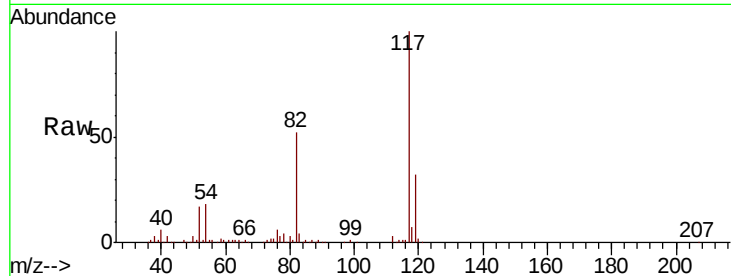




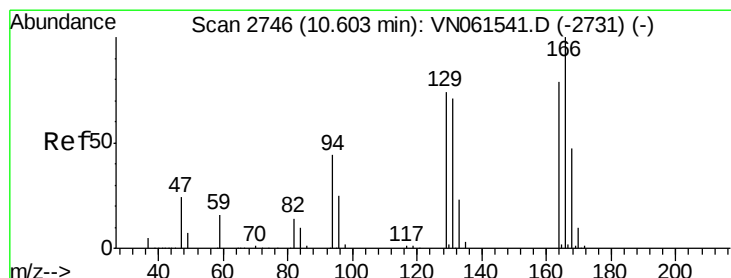
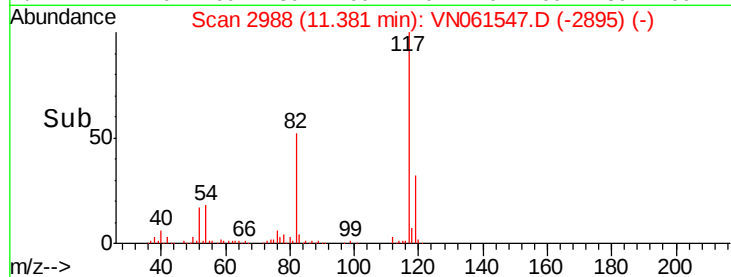
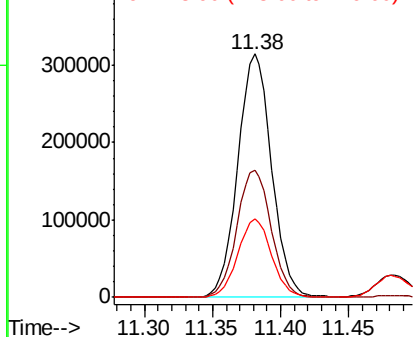
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 541474
Ion Ratio Lower Upper
117 100
82 52.2 41.5 62.3
119 32.0 25.6 38.4

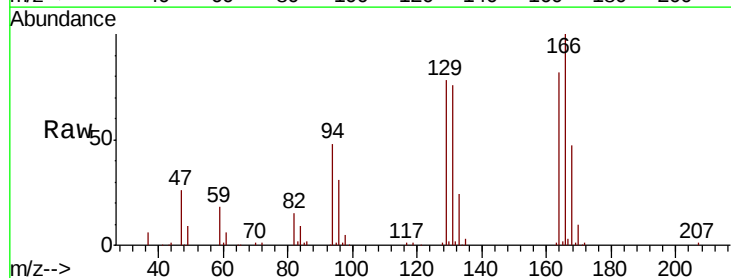


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

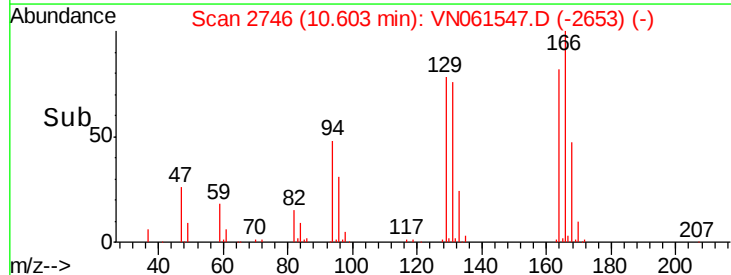
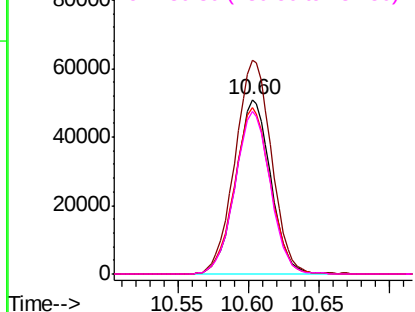


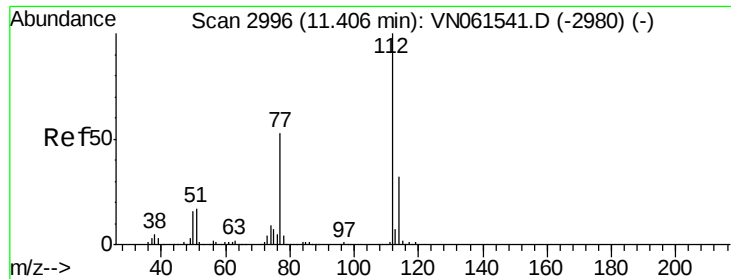
#64
Tetrachloroethene
Concen: 17.404 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion:164 Resp: 88708
Ion Ratio Lower Upper
164 100
166 122.6 101.5 152.3
129 95.7 74.9 112.3
131 93.0 72.2 108.2



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

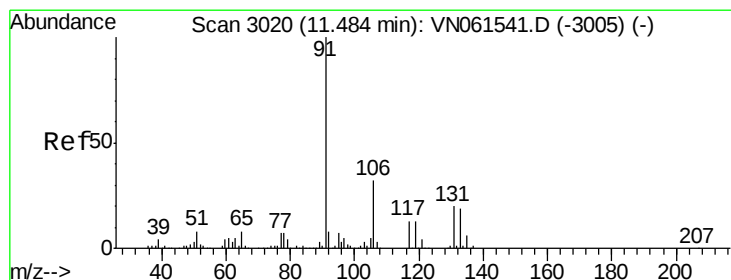
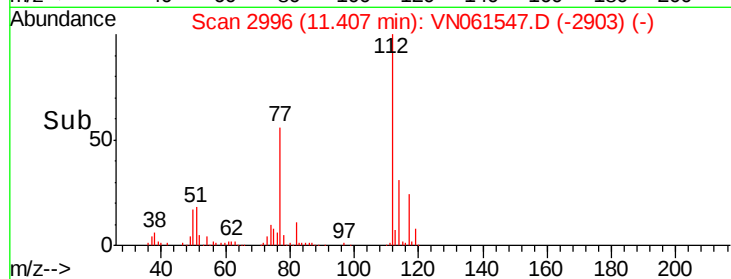
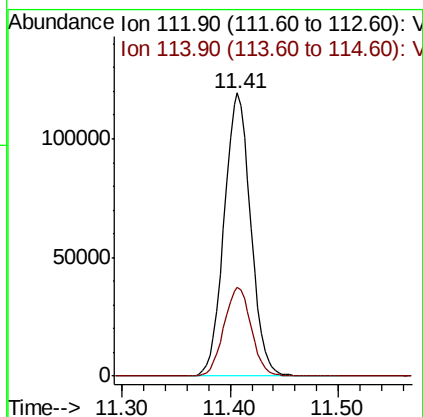
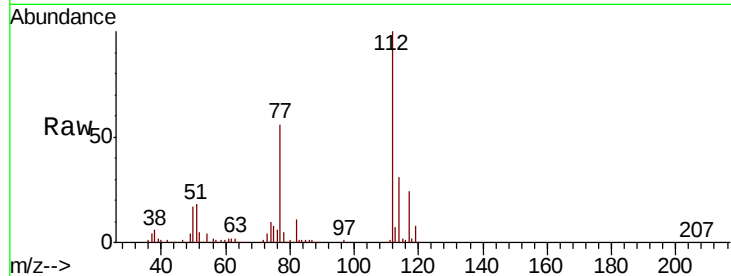




#65
Chlorobenzene
Concen: 18.187 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

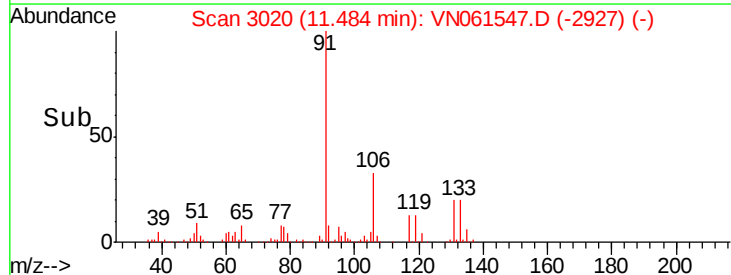
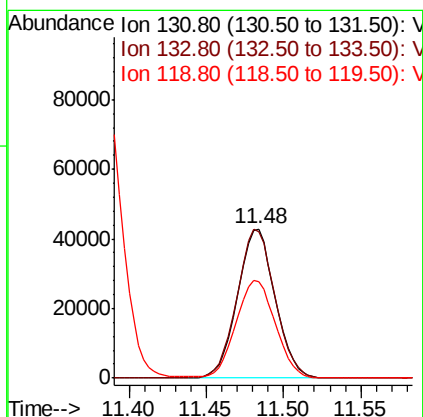
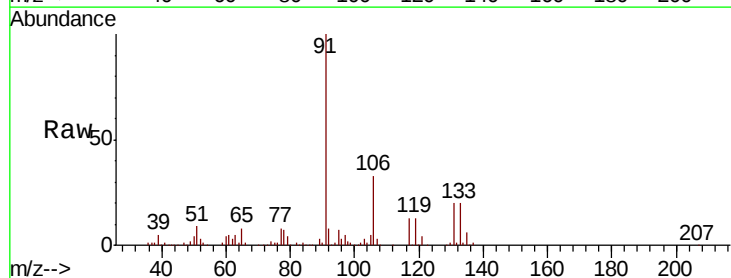
Instrument :
MSVOA_N
ClientSampled :

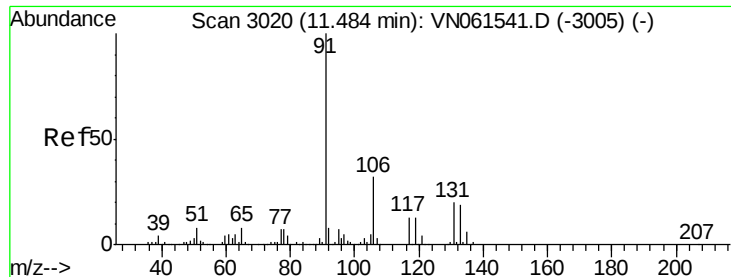
Tot Ion:112 Resp: 204702
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 17.317 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion:131 Resp: 72572
Ion Ratio Lower Upper
131 100
133 100.7 47.4 142.2
119 68.1 32.6 97.8





#67

Ethyl Benzene

Concen: 18.345 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

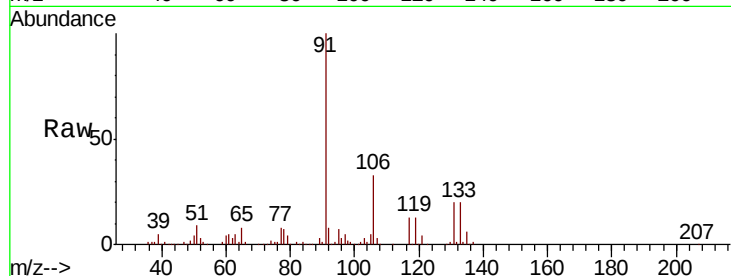
ClientSampled :

Tot Ion: 91 Resp: 356878

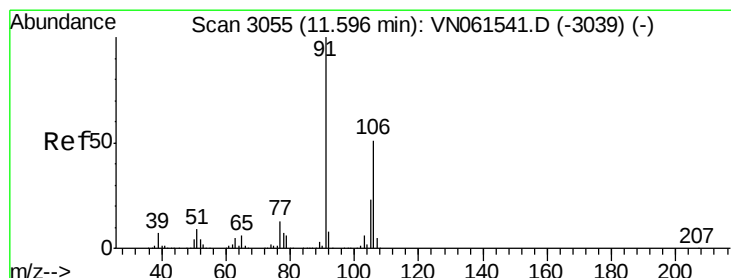
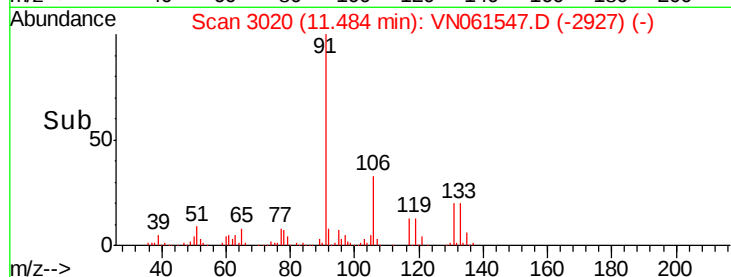
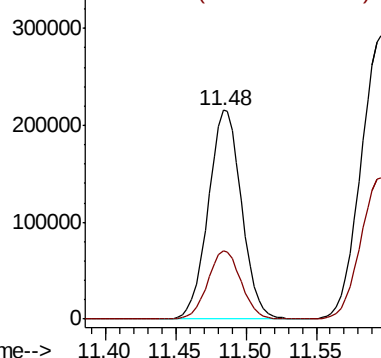
Ion Ratio Lower Upper

91 100

106 32.8 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN061547.D (-3005) (-)



#68

m/p-Xylenes

Concen: 36.507 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061547.D

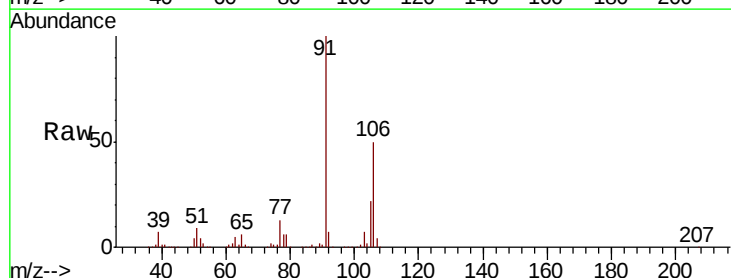
Acq: 28 May 2020 22:26

Tgt Ion: 106 Resp: 281591

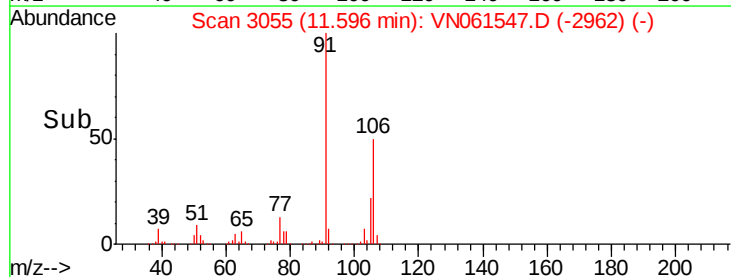
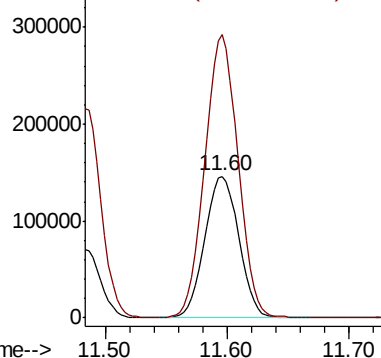
Ion Ratio Lower Upper

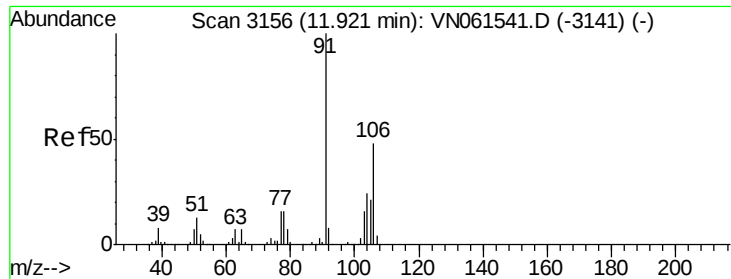
106 100

91 195.4 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): VN061547.D (-3039) (-)

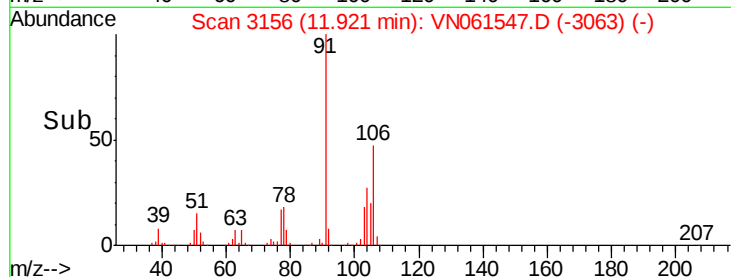
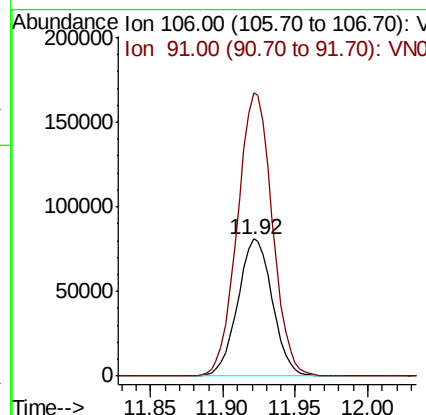
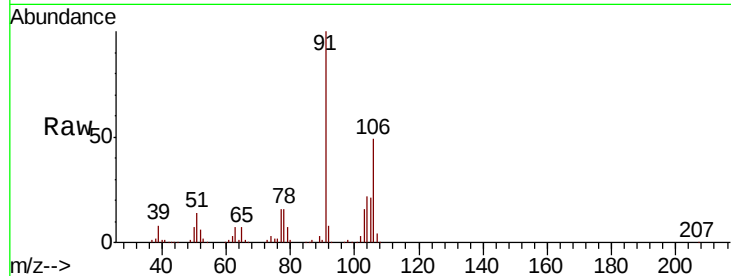




#69
o-Xylene
Concen: 18.353 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

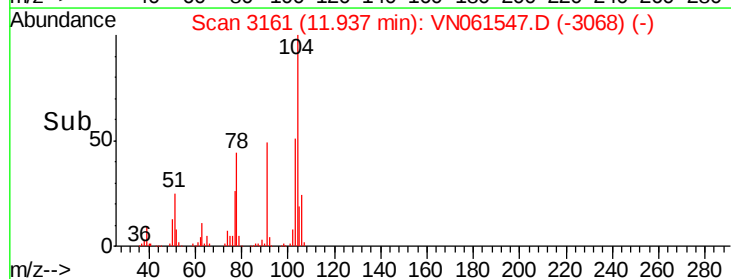
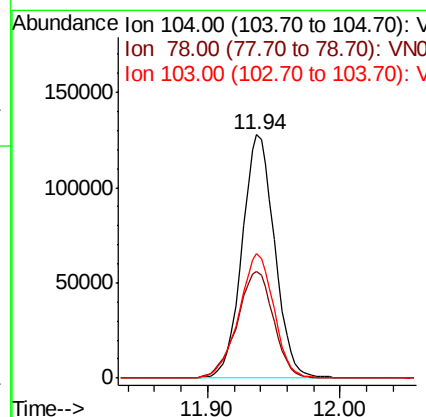
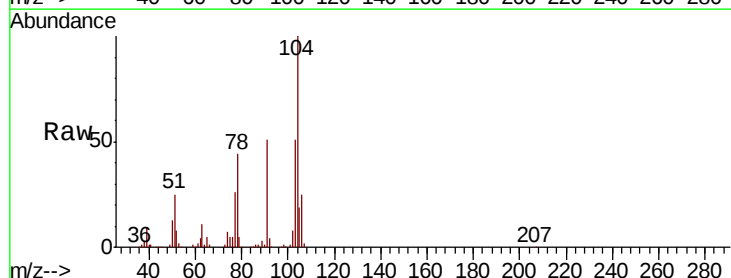
Instrument :
MSVOA_N
ClientSampled :

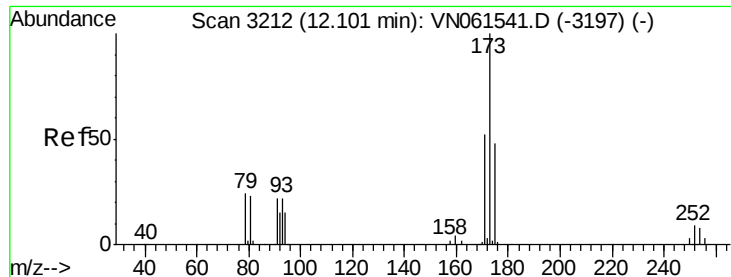
Tot Ion:106 Resp: 134459
Ion Ratio Lower Upper
106 100
91 208.2 103.3 309.8



#70
Styrene
Concen: 17.952 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion:104 Resp: 217803
Ion Ratio Lower Upper
104 100
78 49.1 37.4 56.0
103 54.7 42.3 63.5

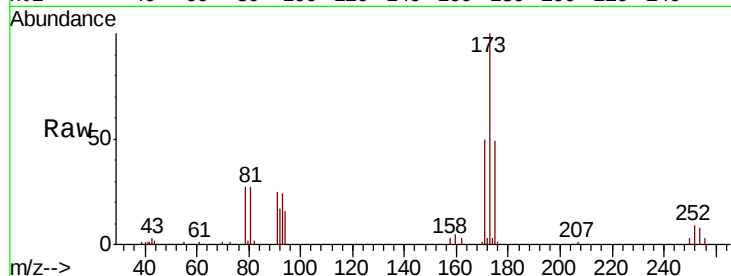




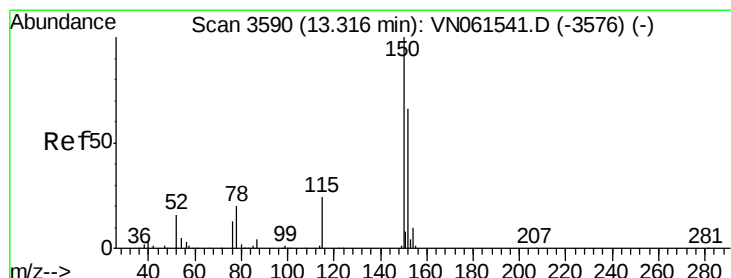
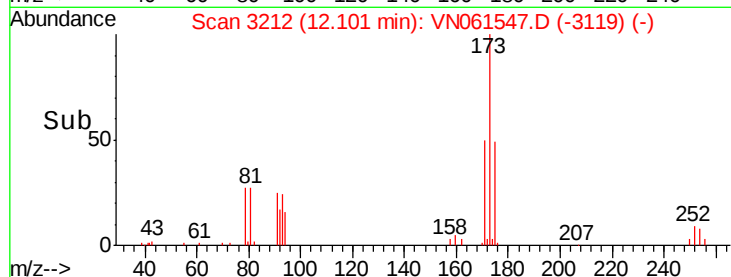
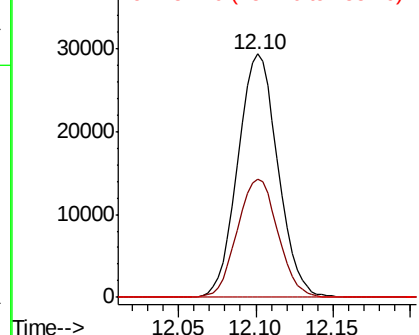
#71
Bromoform
Concen: 16.346 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 52788
Ion Ratio Lower Upper
173 100
175 49.3 24.4 73.2
254 0.0 0.0 0.0

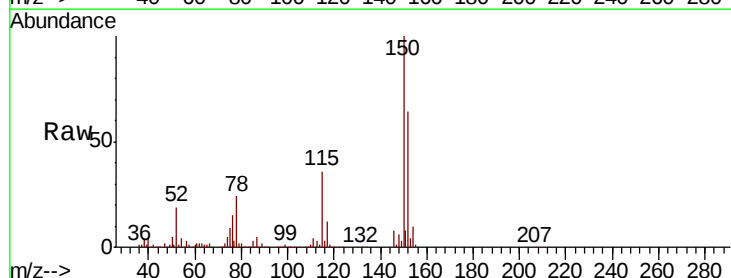


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

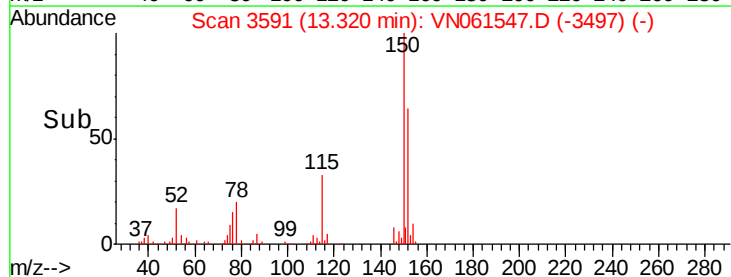
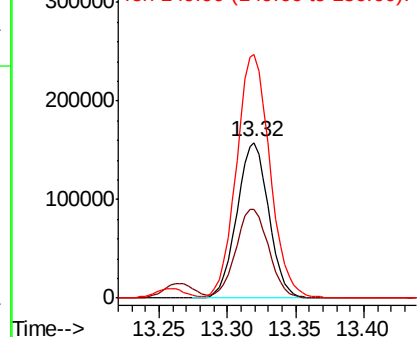


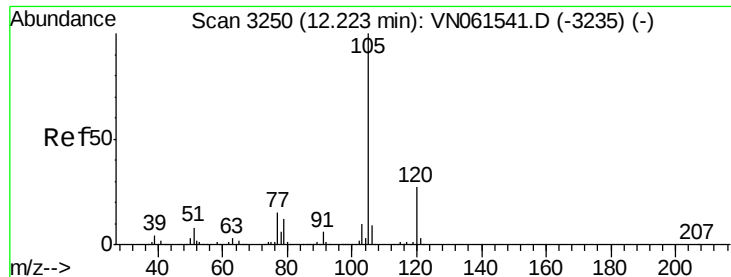
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion:152 Resp: 255983
Ion Ratio Lower Upper
152 100
115 59.2 28.0 84.0
150 164.7 0.0 344.0



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: 18.981 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

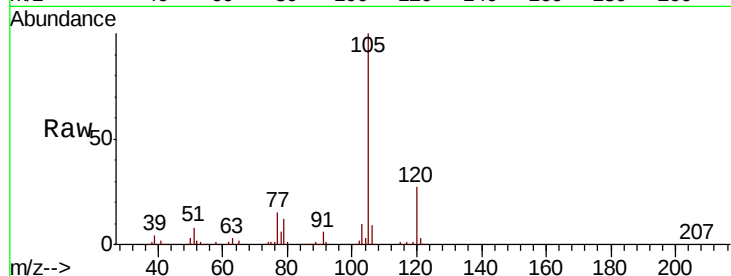
ClientSampled :

Tot Ion:105 Resp: 354628

Ion Ratio Lower Upper

105 100

120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

200000

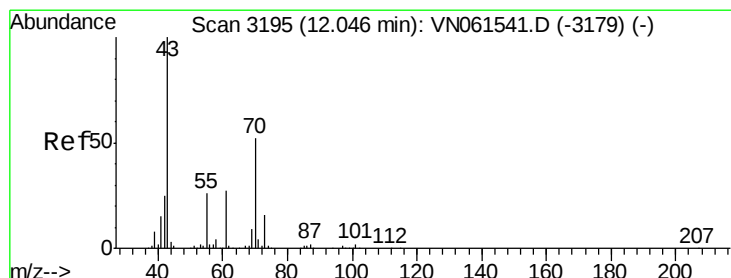
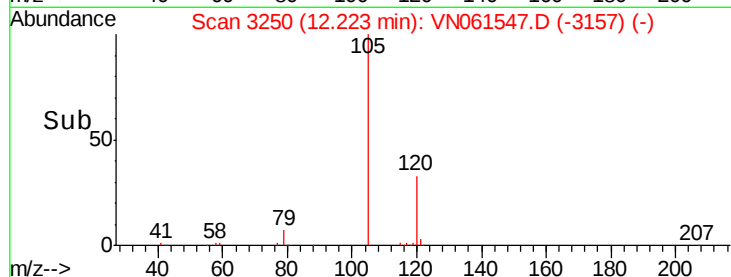
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.595 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Tgt Ion: 43 Resp: 109408

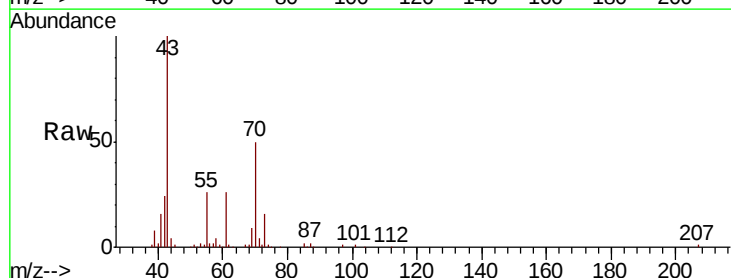
Ion Ratio Lower Upper

43 100

70 50.7 40.5 60.7

55 26.6 20.6 31.0

61 26.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

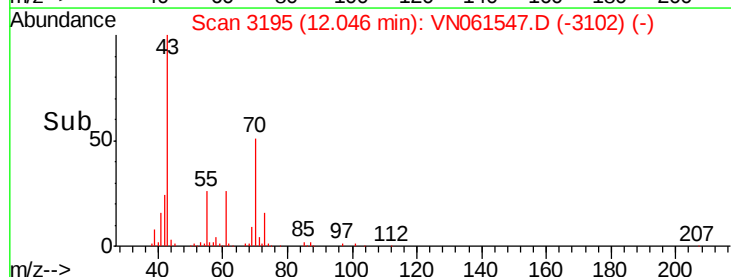
60000

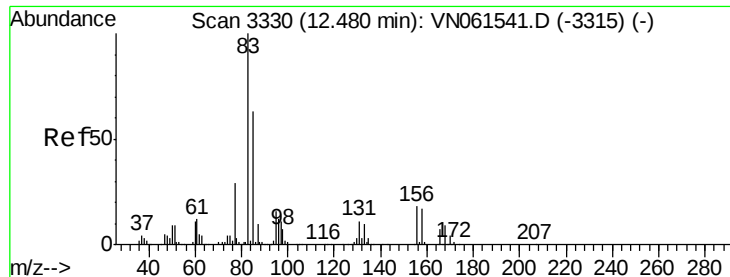
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.548 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

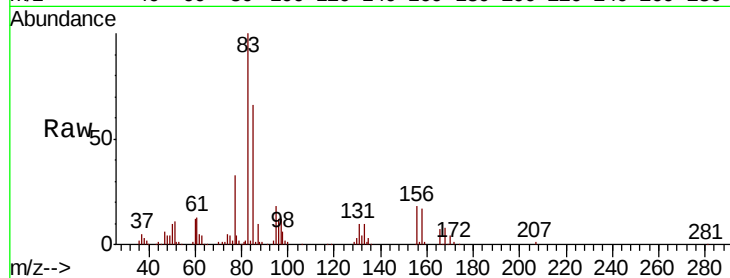
Tot Ion: 83 Resp: 97110

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.5

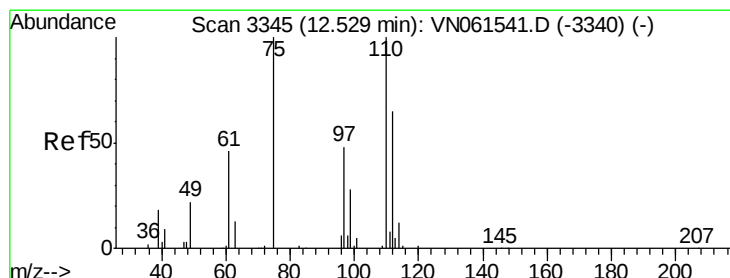
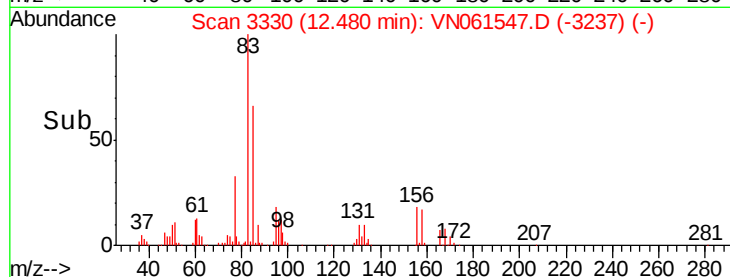
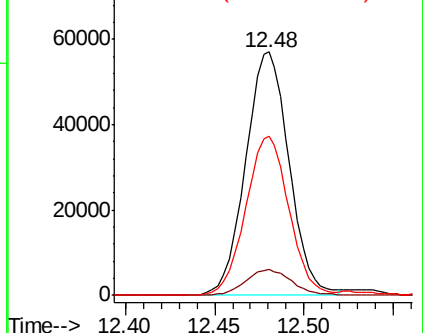
85 65.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061547.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061547.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061547.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 26.379 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061547.D

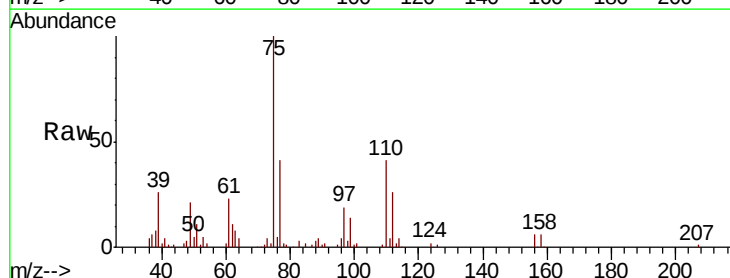
Acq: 28 May 2020 22:26

Tgt Ion: 75 Resp: 122786

Ion Ratio Lower Upper

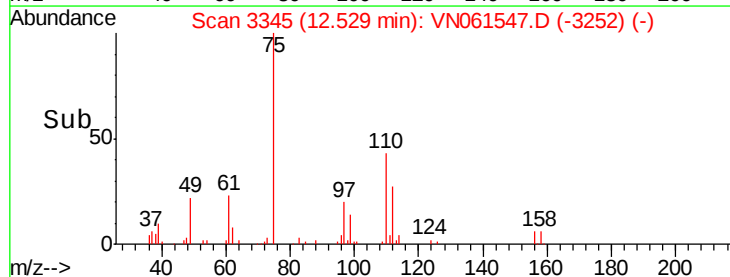
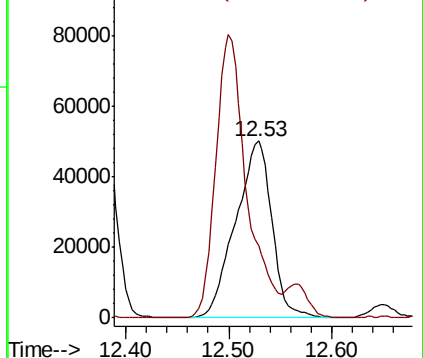
75 100

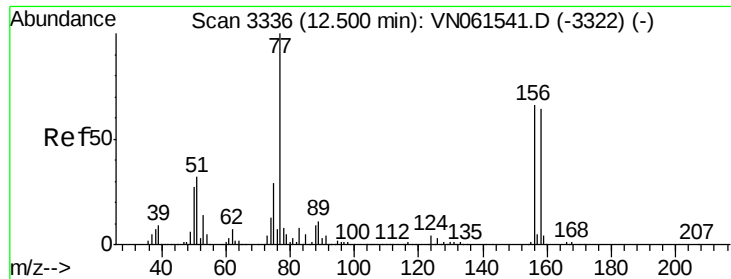
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061547.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061547.D (-3252) (-)





#77

Bromobenzene

Concen: 18.307 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

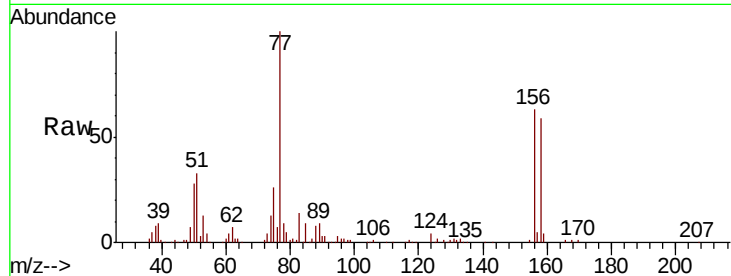
Tot Ion:156 Resp: 87307

Ion Ratio Lower Upper

156 100

77 192.0 90.9 272.7

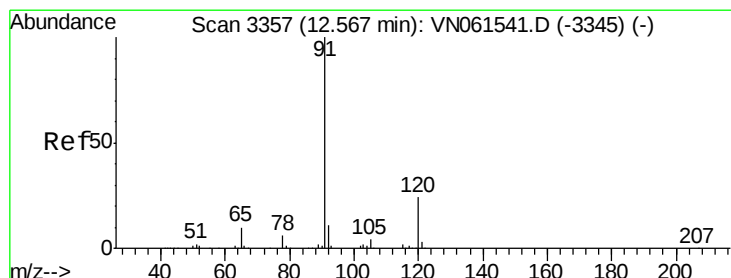
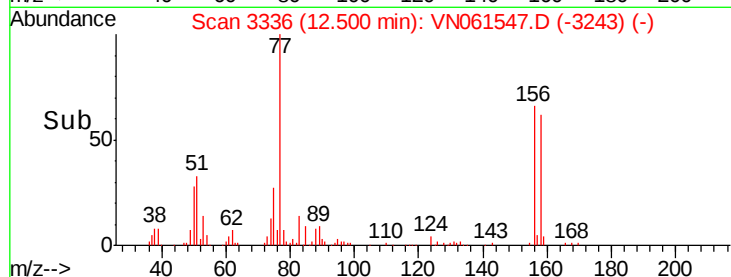
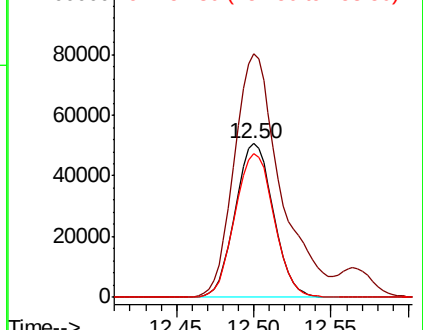
158 95.6 48.4 145.3



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: 18.797 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061547.D

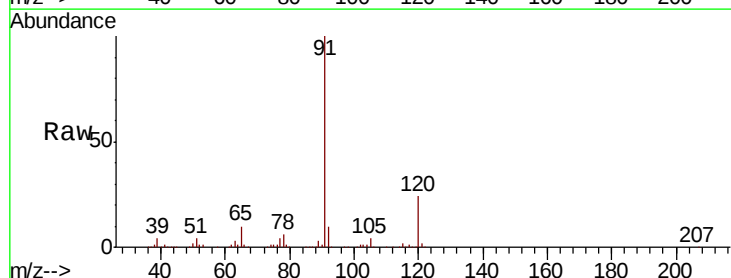
Acq: 28 May 2020 22:26

Tgt Ion: 91 Resp: 392062

Ion Ratio Lower Upper

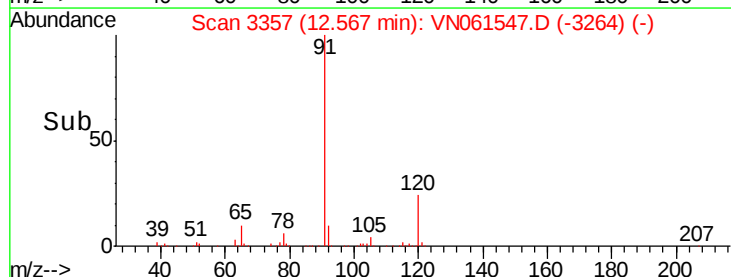
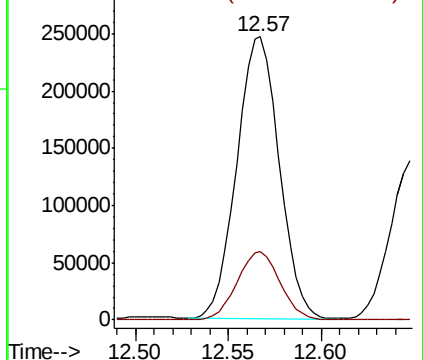
91 100

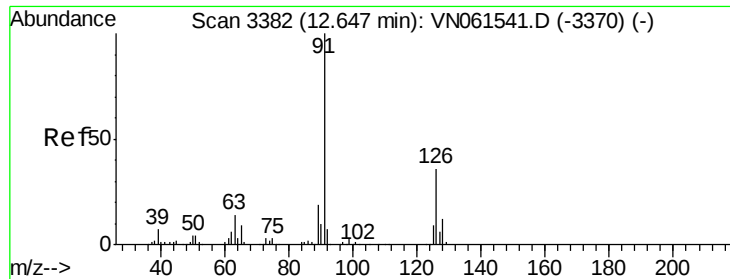
120 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.781 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

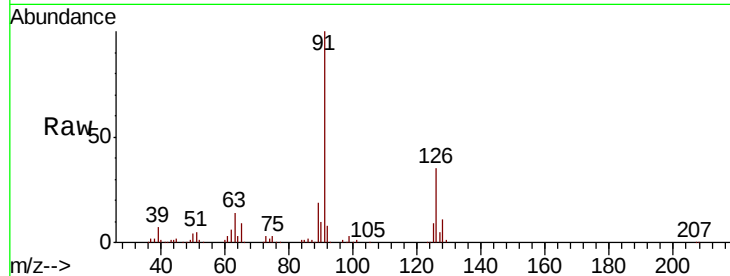
ClientSampled :

Tot Ion: 91 Resp: 233575

Ion Ratio Lower Upper

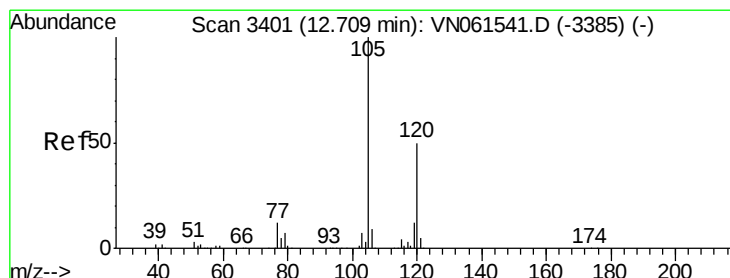
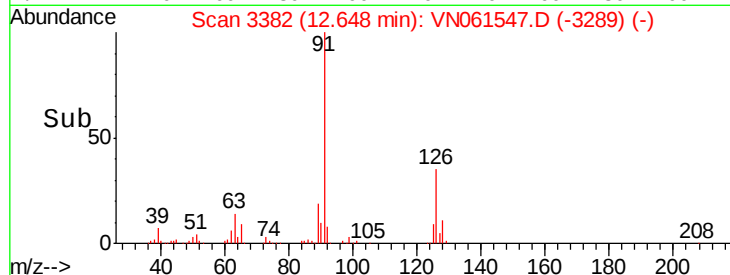
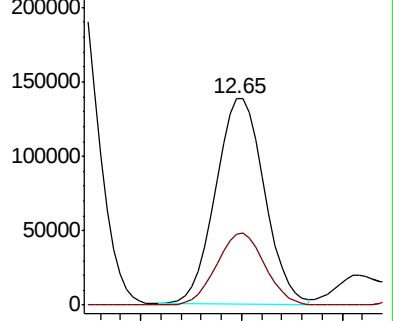
91 100

126 35.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN061547.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061547.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.890 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061547.D

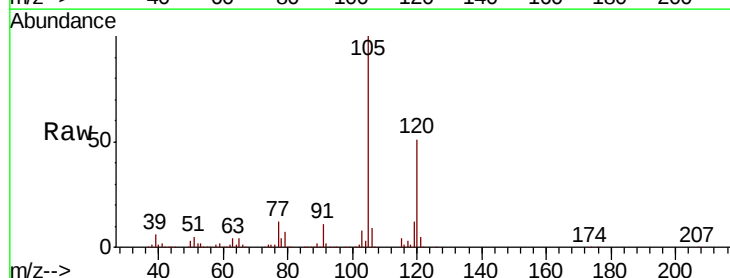
Acq: 28 May 2020 22:26

Tgt Ion:105 Resp: 294989

Ion Ratio Lower Upper

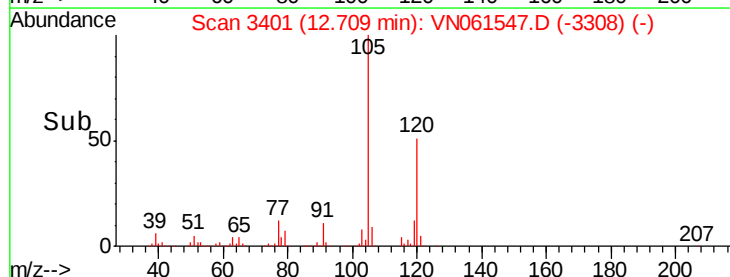
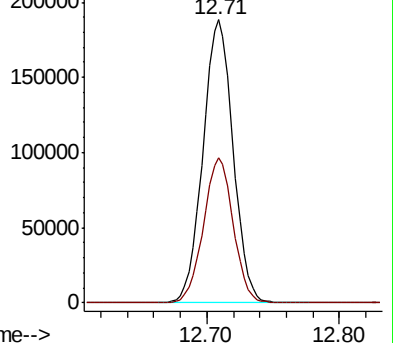
105 100

120 50.8 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061547.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061547.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.753 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

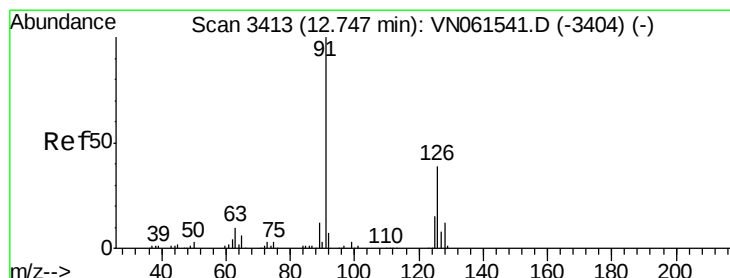
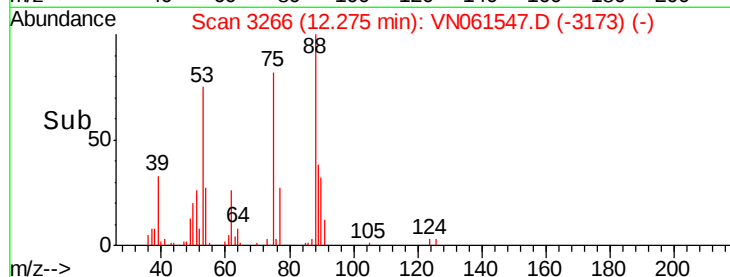
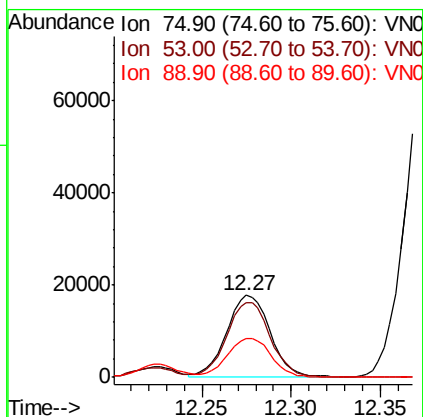
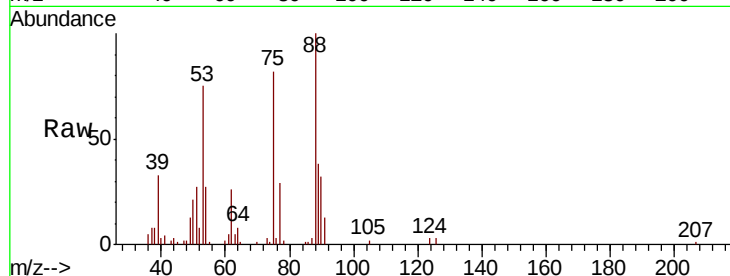
Tot Ion: 75 Resp: 30494

Ion Ratio Lower Upper

75 100

53 91.4 67.8 101.8

89 47.3 37.1 55.7



#82

4-Chlorotoluene

Concen: 18.493 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061547.D

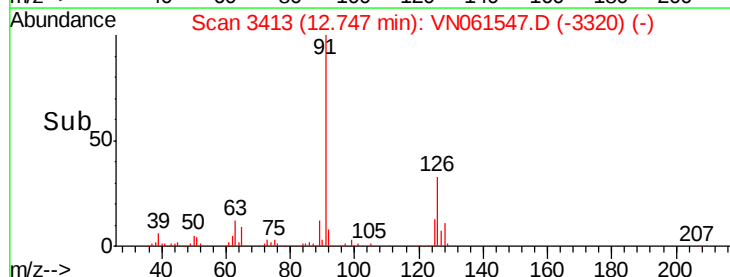
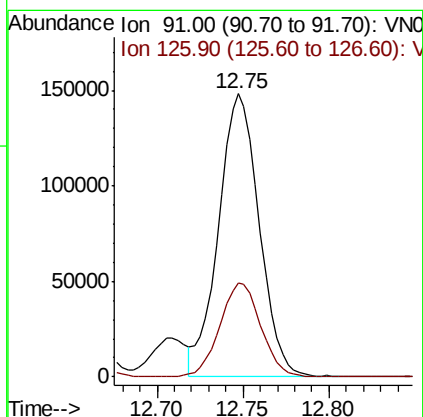
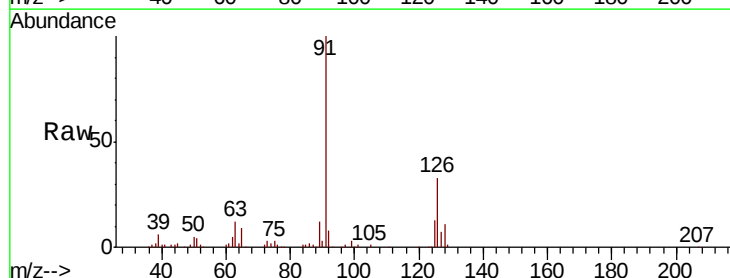
Acq: 28 May 2020 22:26

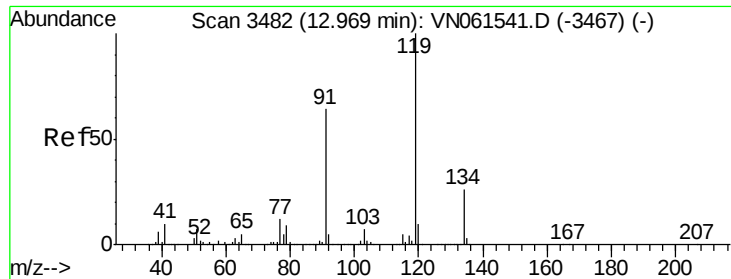
Tgt Ion: 91 Resp: 241968

Ion Ratio Lower Upper

91 100

126 33.3 17.5 52.6

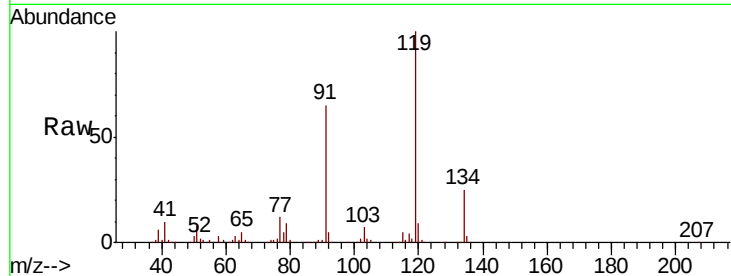




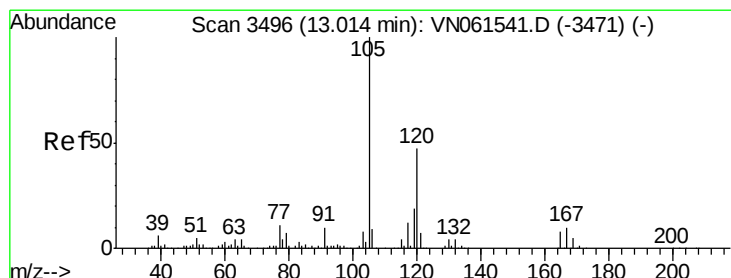
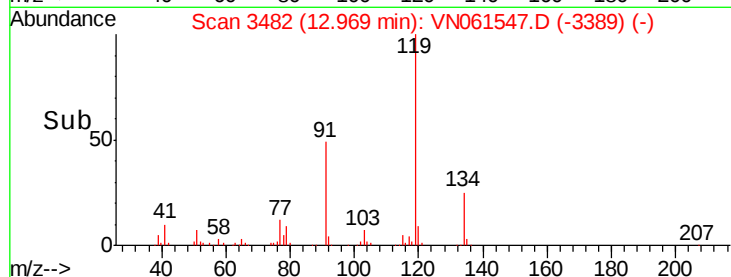
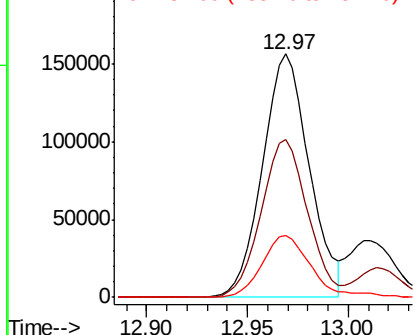
#83
tert-Butylbenzene
Concen: 18.291 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 252373
Ion Ratio Lower Upper
119 100
91 64.7 31.3 93.8
134 26.8 13.5 40.4

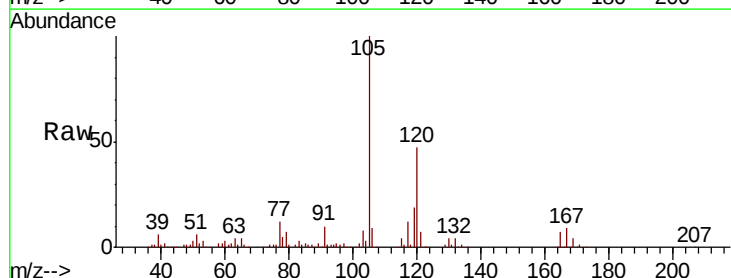


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

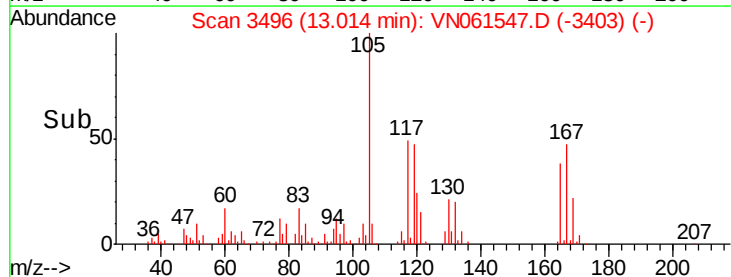
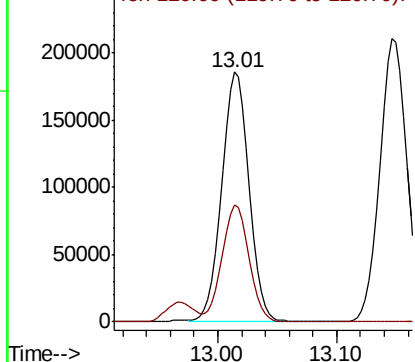


#84
1,2,4-Trimethylbenzene
Concen: 18.917 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion:105 Resp: 293463
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.810 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

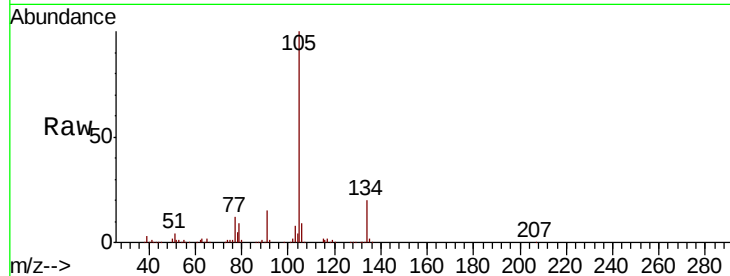
ClientSampled :

Tot Ion:105 Resp: 334422

Ion Ratio Lower Upper

105 100

134 20.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

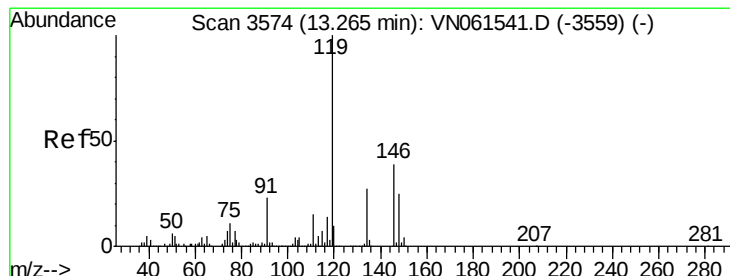
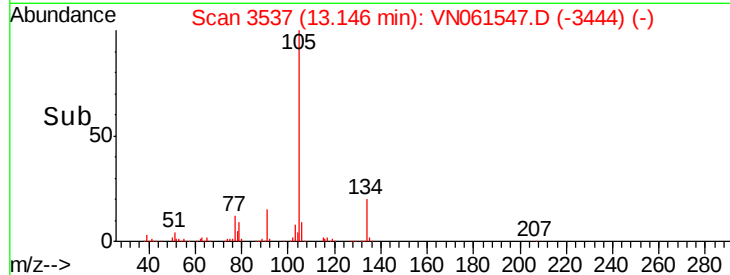
50000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 18.542 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

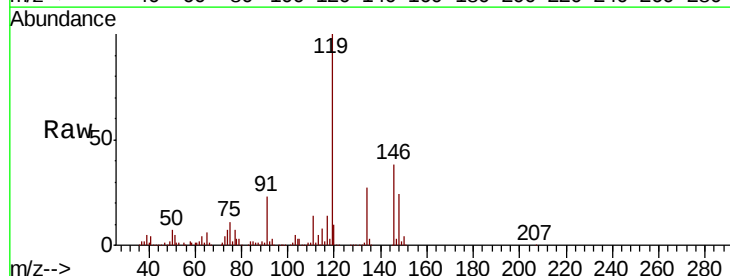
Tgt Ion:119 Resp: 303581

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 23.0 11.4 34.1



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

250000

200000

150000

100000

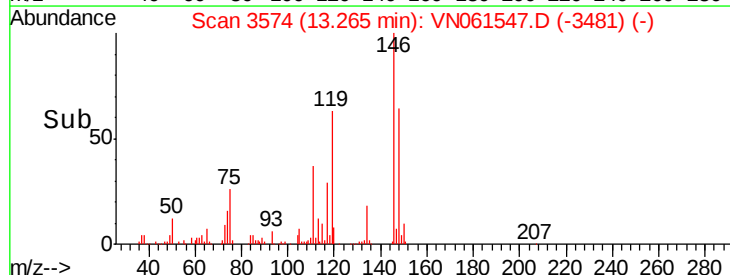
50000

0

13.20

13.30

Time-->

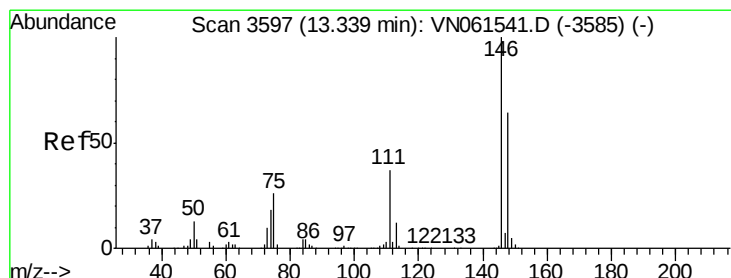
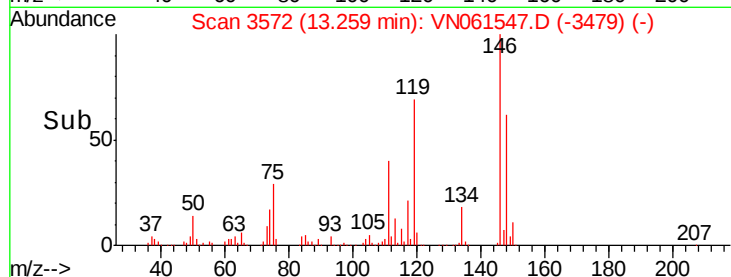
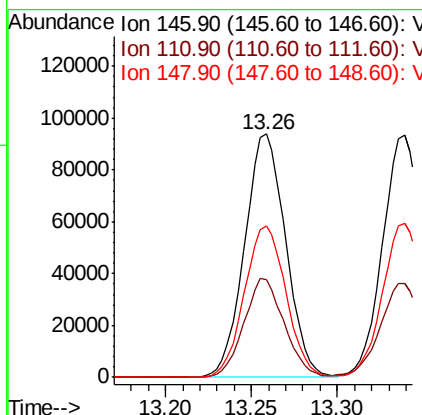
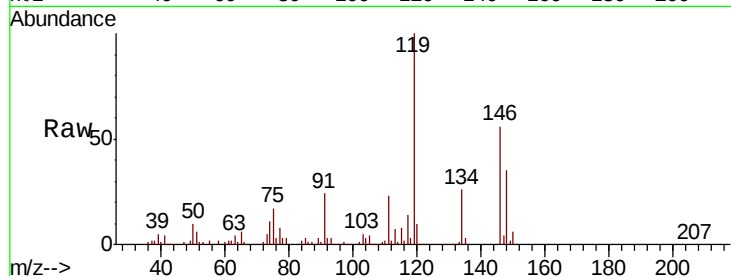




#87
 1,3-Dichlorobenzene
 Concen: 18.452 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

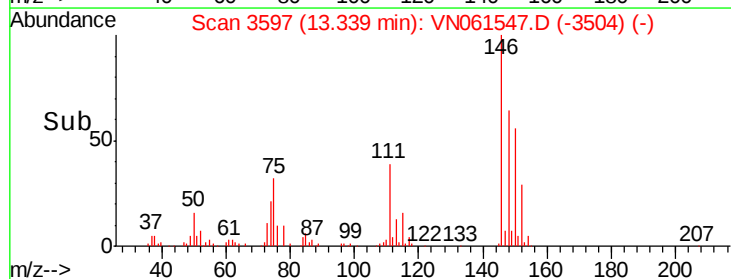
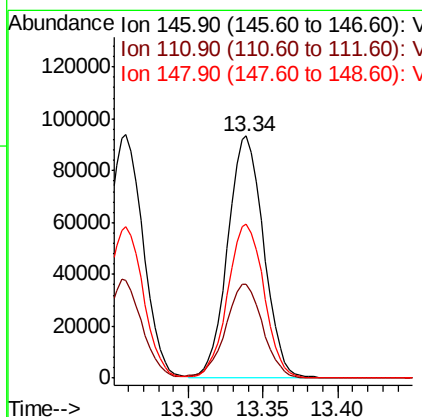
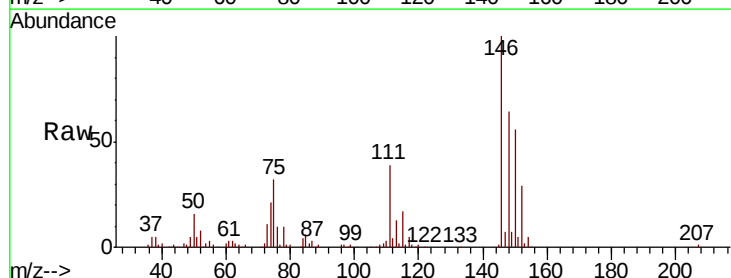
Instrument :
 MSVOA_N
 ClientSampleId :

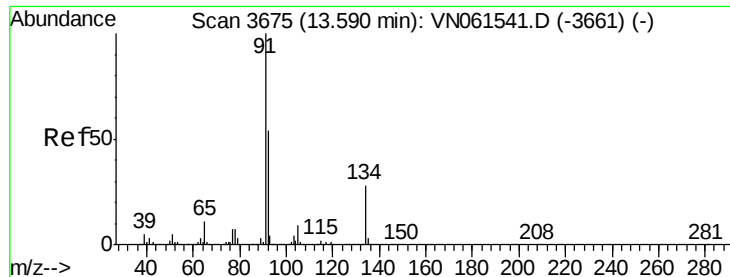
Tot Ion:146 Resp: 155829
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.2 57.6
 148 62.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 18.196 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion:146 Resp: 156549
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.9 56.9
 148 64.2 31.8 95.3





#89

n-Butylbenzene

Concen: 18.653 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampled :

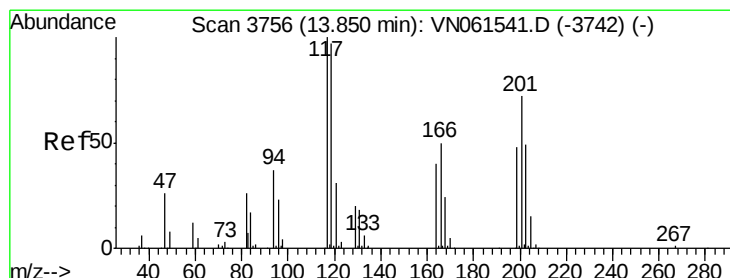
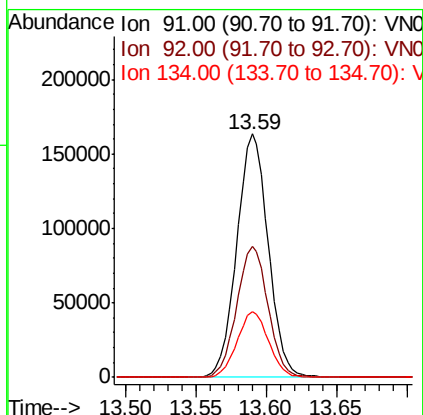
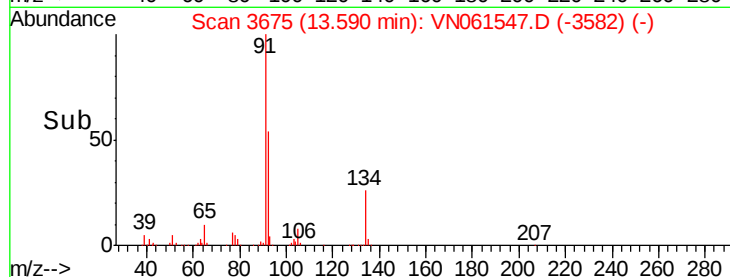
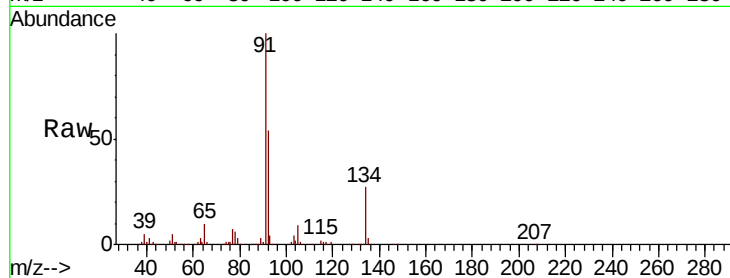
Tot Ion: 91 Resp: 255802

Ion Ratio Lower Upper

91 100

92 53.8 27.2 81.6

134 26.9 14.0 42.0



#90

Hexachloroethane

Concen: 18.902 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061547.D

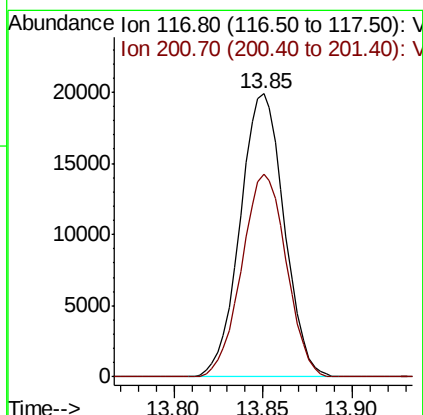
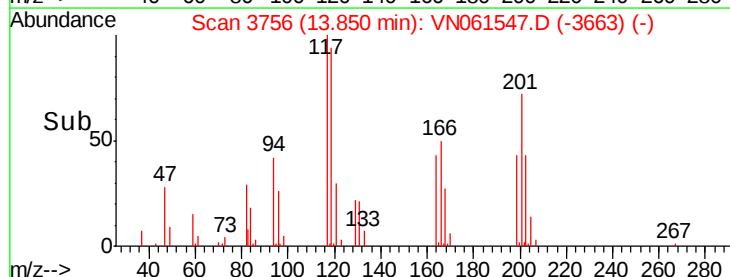
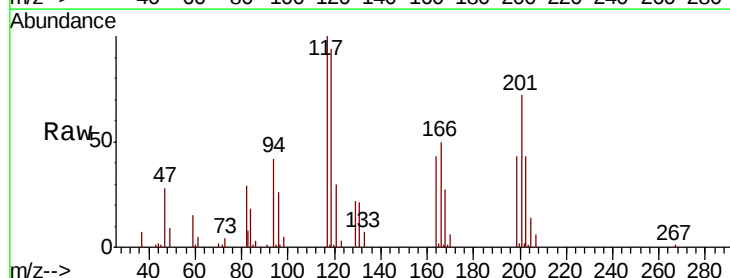
Acq: 28 May 2020 22:26

Tgt Ion: 117 Resp: 34227

Ion Ratio Lower Upper

117 100

201 72.5 36.7 110.1





#91

1,2-Dichlorobenzene

Concen: 18.762 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

Instrument :

MSVOA_N

ClientSampleId :

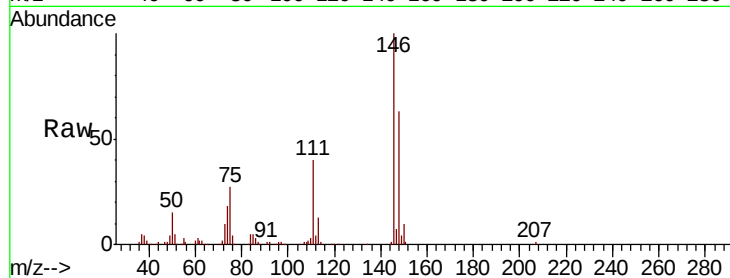
Tot Ion:146 Resp: 151417

Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.2

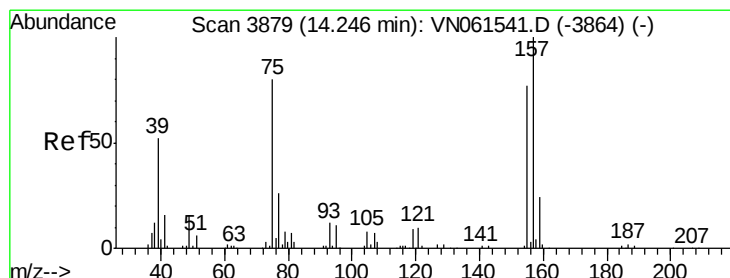
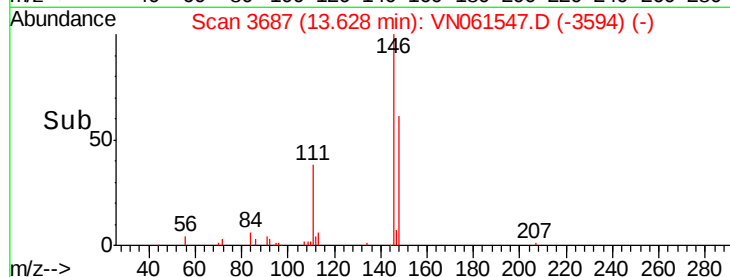
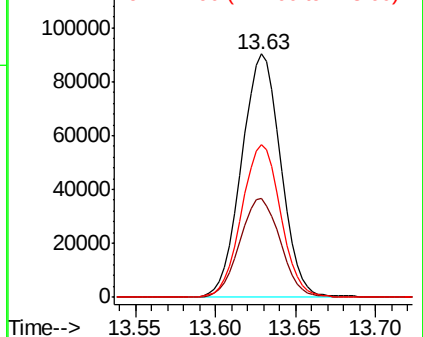
148 62.7 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.108 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN061547.D

Acq: 28 May 2020 22:26

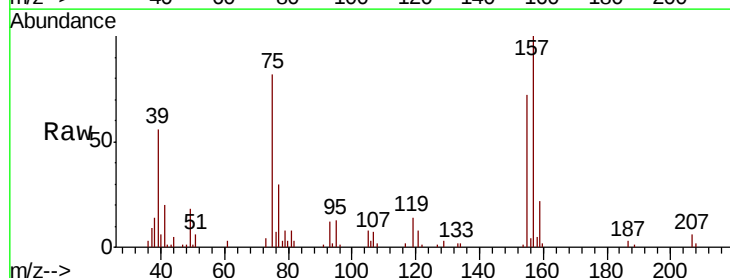
Tgt Ion: 75 Resp: 19336

Ion Ratio Lower Upper

75 100

155 88.3 47.1 141.4

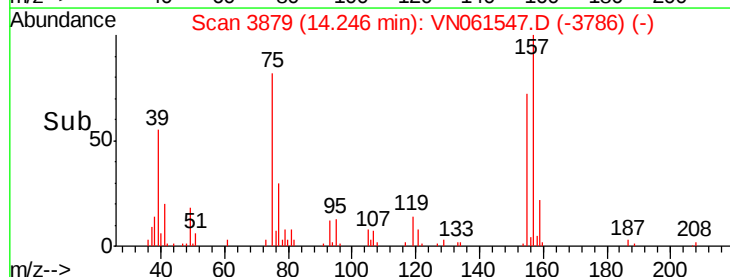
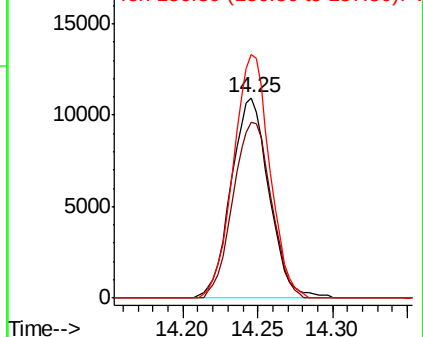
157 116.4 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

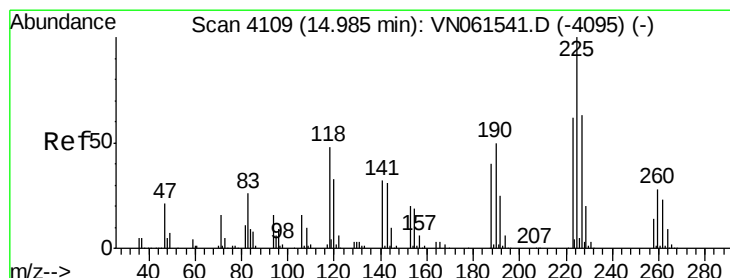
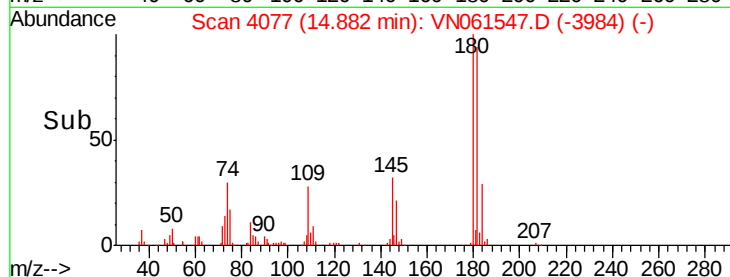
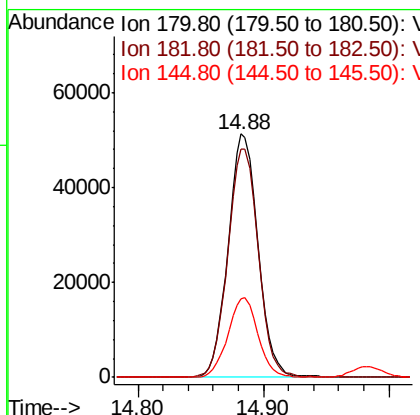
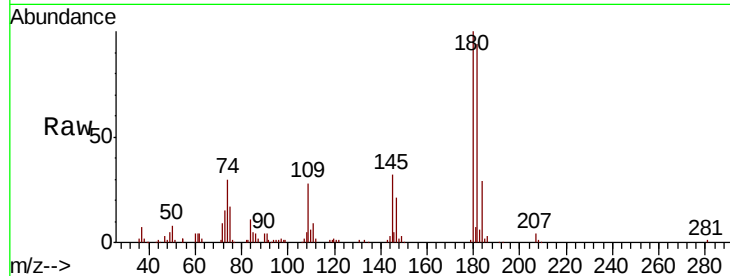




#93
 1,2,4-Trichlorobenzene
 Concen: 17.966 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

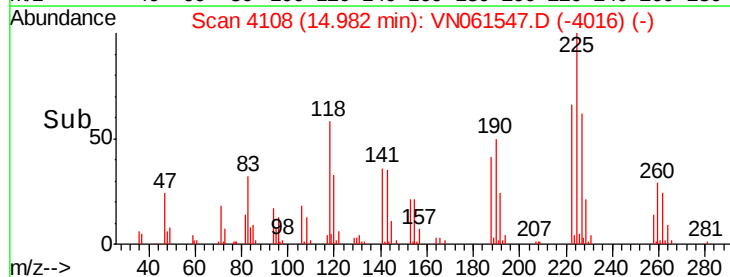
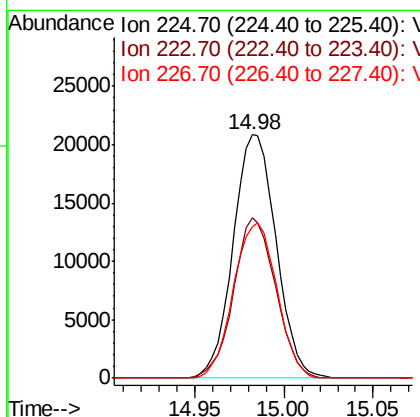
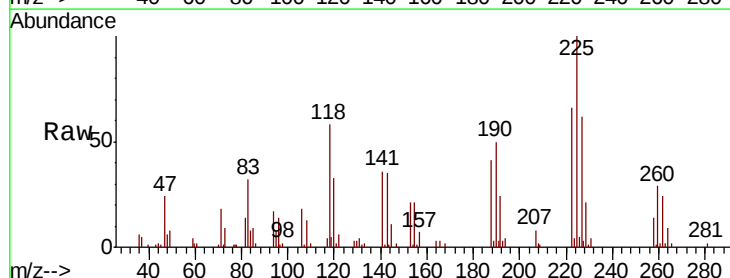
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 84799
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.8 143.3
 145 32.8 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 17.294 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061547.D
 Acq: 28 May 2020 22:26

Tgt Ion:225 Resp: 34814
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.9 95.5
 227 64.7 31.9 95.9

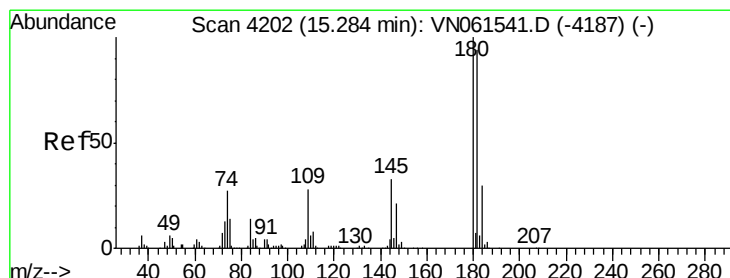
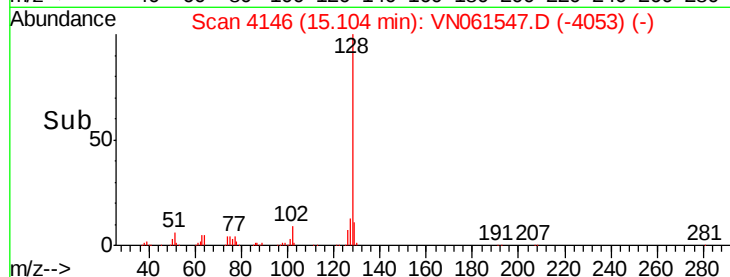
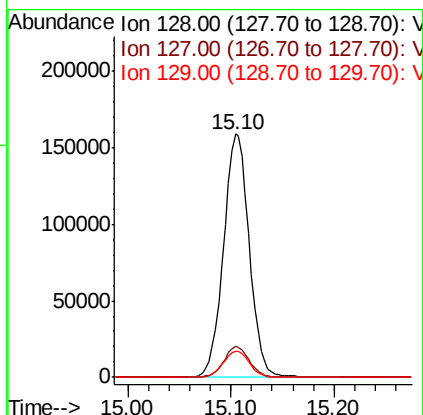
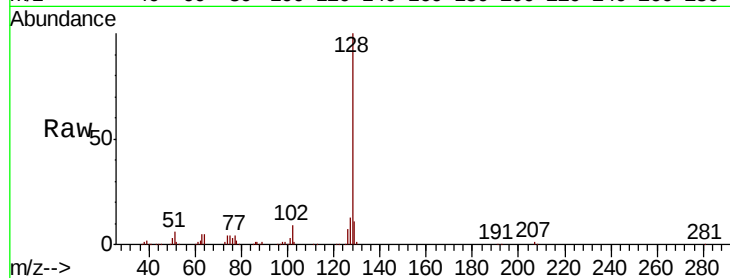




#95
Naphthalene
Concen: 19.203 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 275873
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.291 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061547.D
Acq: 28 May 2020 22:26

Tgt Ion:180 Resp: 84882
Ion Ratio Lower Upper
180 100
182 95.8 47.1 141.3
145 33.9 16.3 48.9

