

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061544.D
 Acq On : 28 May 2020 20:29
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Quant Time: May 29 02:16:56 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	356213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	603817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	573432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	290661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	214564	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	7.55	113	159957	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.06	98	723623	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.38	95	261853	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	204775	49.794	ug/l	97
3) Chloromethane	2.03	50	231601	53.307	ug/l	100
4) Vinyl Chloride	2.16	62	313533	52.661	ug/l	99
5) Bromomethane	2.53	94	178456	52.236	ug/l	99
6) Chloroethane	2.67	64	194169	50.667	ug/l	99
7) Trichlorofluoromethane	2.98	101	397903	51.827	ug/l	100
8) Diethyl Ether	3.37	74	115523	49.208	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	168148	49.354	ug/l	99
10) Methyl Iodide	3.91	142	247115	52.250	ug/l	100
11) Tert butyl alcohol	4.73	59	147082	260.549	ug/l	99
12) 1,1-Dichloroethene	3.69	96	178834	49.132	ug/l	95
13) Acrolein	3.56	56	43184	266.041	ug/l	98
14) Allyl chloride	4.27	41	235537	49.497	ug/l	99
15) Acrylonitrile	4.93	53	408535	259.279	ug/l	99
16) Acetone	3.77	43	311867	267.054	ug/l	99
17) Carbon Disulfide	4.01	76	398696	49.787	ug/l	98
18) Methyl Acetate	4.27	43	189697	49.375	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	616932	49.732	ug/l	98
20) Methylene Chloride	4.50	84	200120	51.946	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	203734	49.633	ug/l	97
22) Diisopropyl ether	5.90	45	530637	50.594	ug/l	97
23) Vinyl Acetate	5.84	43	2159006	258.277	ug/l	99
24) 1,1-Dichloroethane	5.80	63	334216	50.253	ug/l	99
25) 2-Butanone	6.79	43	506832	251.982	ug/l	99
26) 2,2-Dichloropropane	6.78	77	284350	46.713	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	236615	50.905	ug/l	100
28) Bromochloromethane	7.15	49	131667	52.814	ug/l	100
29) Tetrahydrofuran	7.17	42	335122	252.667	ug/l	99
30) Chloroform	7.33	83	372536	50.631	ug/l	98
31) Cyclohexane	7.61	56	290986	48.649	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	344531	51.389	ug/l	99
36) 1,1-Dichloropropene	7.75	75	271203	50.736	ug/l	100
37) Ethyl Acetate	6.88	43	225491	52.375	ug/l	99
38) Carbon Tetrachloride	7.73	117	270930	52.547	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	334013	50.696	ug/l	99
40) Benzene	8.00	78	825748	50.067	ug/l	100
41) Methacrylonitrile	7.13	41	96767	49.057	ug/l	94
42) 1,2-Dichloroethane	8.08	62	273934	49.611	ug/l	99
43) Isopropyl Acetate	8.13	43	388777	50.192	ug/l	99
44) Trichloroethene	8.80	130	259628	51.222	ug/l	94
45) 1,2-Dichloropropane	9.08	63	197659	50.471	ug/l	99
46) Dibromomethane	9.17	93	149318	49.713	ug/l	99
47) Bromodichloromethane	9.37	83	303550	51.010	ug/l	99
48) Methyl methacrylate	9.17	41	169714	48.699	ug/l	99
49) 1,4-Dioxane	9.17	88	54059	1001.322	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1118463	256.238	ug/l	99
52) Toluene	10.12	92	550469	51.137	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	327096	51.025	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	348129	50.506	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	216226	50.418	ug/l	97
56) Ethyl methacrylate	10.40	69	313846	52.387	ug/l	99
57) 1,3-Dichloropropane	10.68	76	348831	50.856	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	668939	261.285	ug/l	100
59) 2-Hexanone	10.72	43	801710	255.747	ug/l	100
60) Dibromochloromethane	10.87	129	253454	51.984	ug/l	100
61) 1,2-Dibromoethane	10.98	107	232005	51.869	ug/l	100
64) Tetrachloroethene	10.60	164	274742	50.899	ug/l	99
65) Chlorobenzene	11.41	112	599770	50.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	224288	50.535	ug/l	99
67) Ethyl Benzene	11.48	91	1049755	50.955	ug/l	100
68) m/p-Xylenes	11.60	106	835045	102.226	ug/l	99
69) o-Xylene	11.92	106	398405	51.350	ug/l	100
70) Styrene	11.94	104	674231	52.475	ug/l	99
71) Bromoform	12.10	173	178814	52.286	ug/l #	98
73) Isopropylbenzene	12.22	105	1053803	49.674	ug/l	100
74) N-amyl acetate	12.05	43	341269	51.081	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	286128	48.129	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	375929	71.127	ug/l #	100
77) Bromobenzene	12.50	156	269424	49.754	ug/l	99
78) n-propylbenzene	12.57	91	1174681	49.599	ug/l	100
79) 2-Chlorotoluene	12.65	91	688412	48.748	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	890122	50.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	100114	48.439	ug/l	98
82) 4-Chlorotoluene	12.75	91	724785	48.786	ug/l	100
83) tert-Butylbenzene	12.97	119	764405	48.792	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	896544	50.897	ug/l	99
85) sec-Butylbenzene	13.15	105	1005930	49.829	ug/l	99
86) p-Isopropyltoluene	13.26	119	945633	50.865	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	484202	50.495	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	486890	49.842	ug/l	100
89) n-Butylbenzene	13.59	91	785389	50.437	ug/l	99
90) Hexachloroethane	13.85	117	103181	50.185	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	463666	50.597	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	57221	47.195	ug/l	97

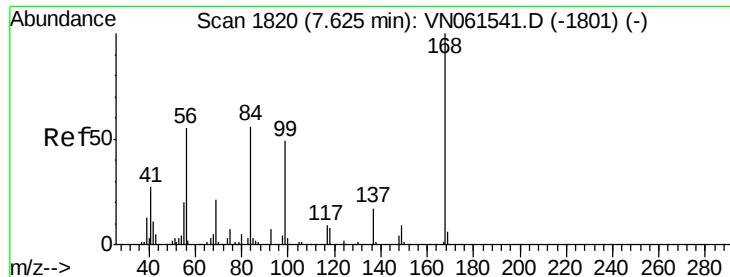
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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	280581	52.353	ug/l	98
94) Hexachlorobutadiene	14.98	225	113835	49.802	ug/l	97
95) Naphthalene	15.10	128	862934	52.899	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	274324	52.060	ug/l	99

(#) = 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: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

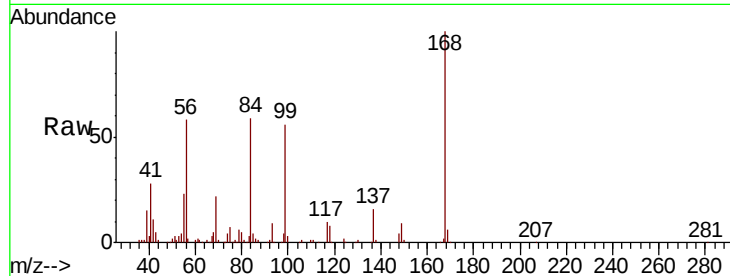
ICVFN052820

Tot Ion:168 Resp: 356213

Ion Ratio Lower Upper

168 100

99 56.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

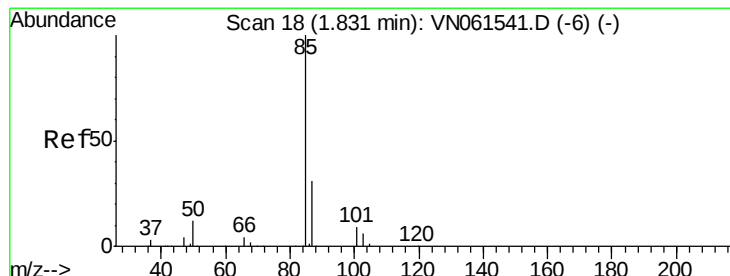
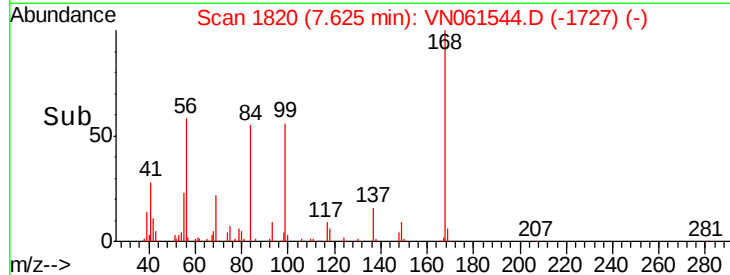
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.794 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061544.D

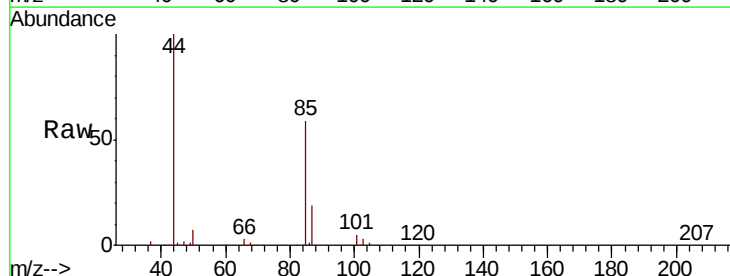
Acq: 28 May 2020 20:29

Tgt Ion: 85 Resp: 204775

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

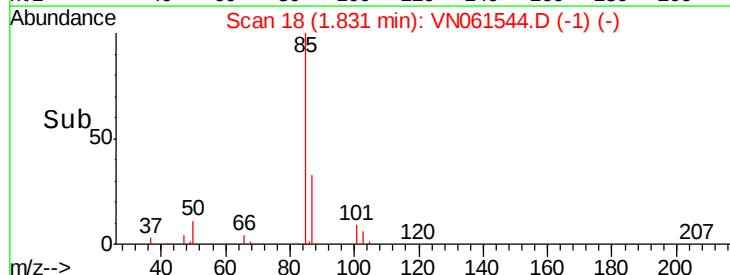
1.83

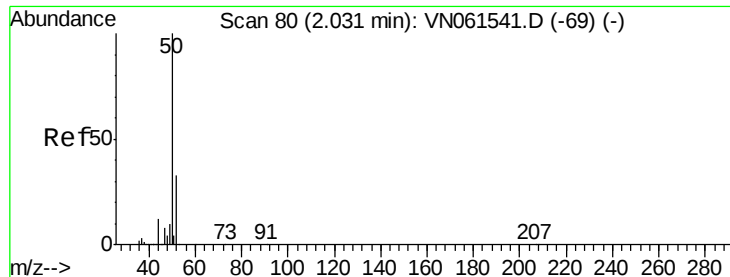
100000

50000

0

Time-->





#3

Chloromethane

Concen: 53.307 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

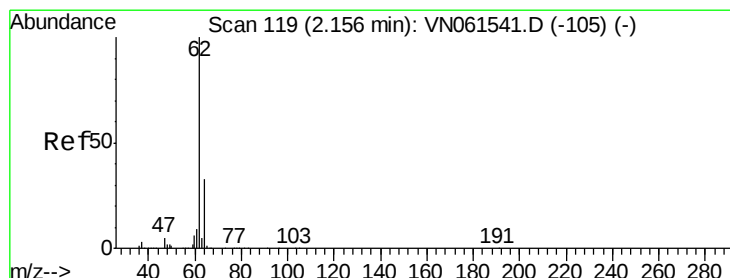
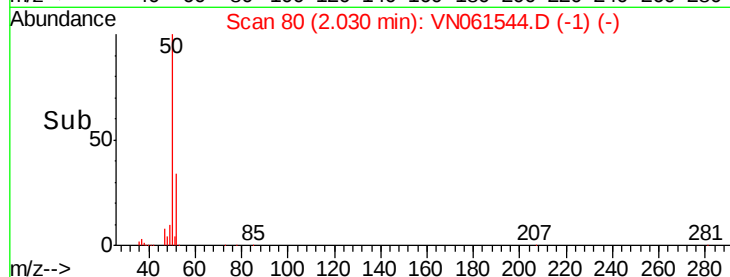
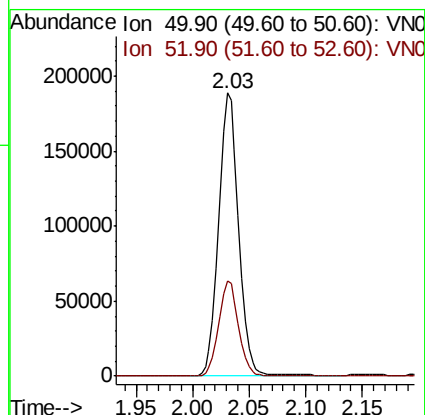
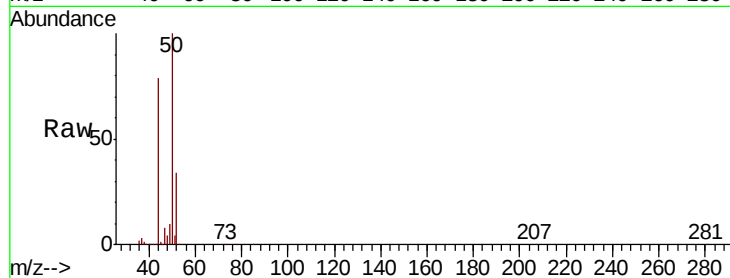
ICVVN052820

Tot Ion: 50 Resp: 231601

Ion Ratio Lower Upper

50 100

52 33.7 26.7 40.1



#4

Vinyl Chloride

Concen: 52.661 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061544.D

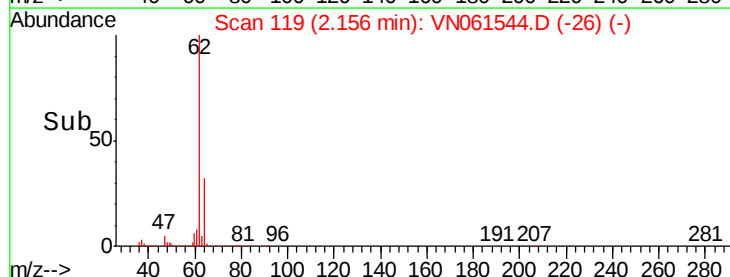
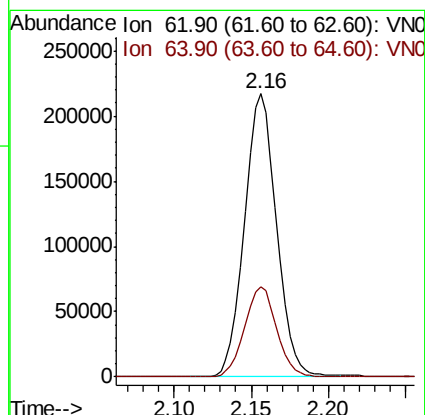
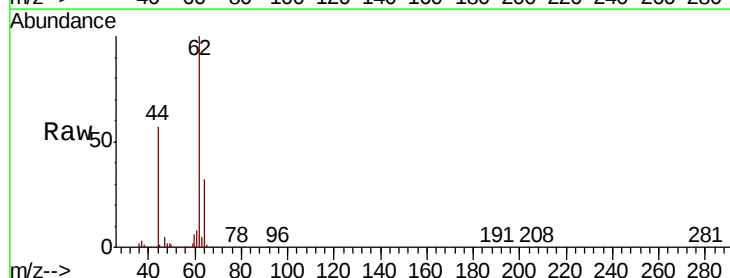
Acq: 28 May 2020 20:29

Tgt Ion: 62 Resp: 313533

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.2





#5

Bromomethane

Concen: 52.236 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

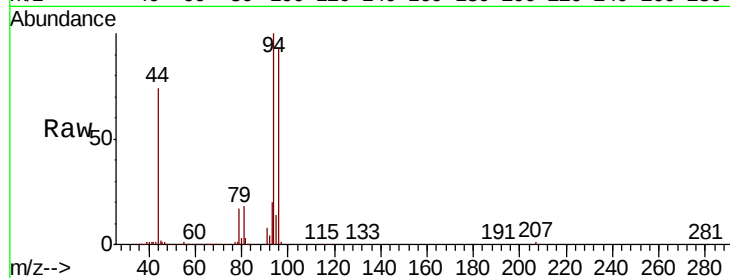
ICVVN052820

Tot Ion: 94 Resp: 178456

Ion Ratio Lower Upper

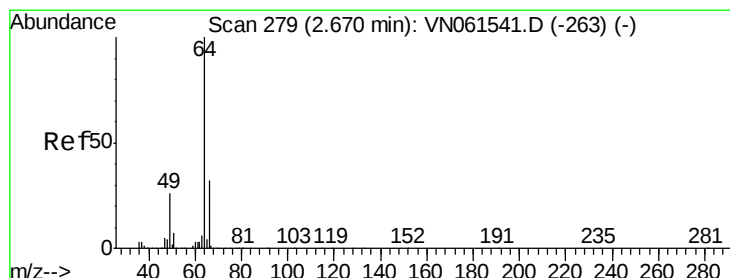
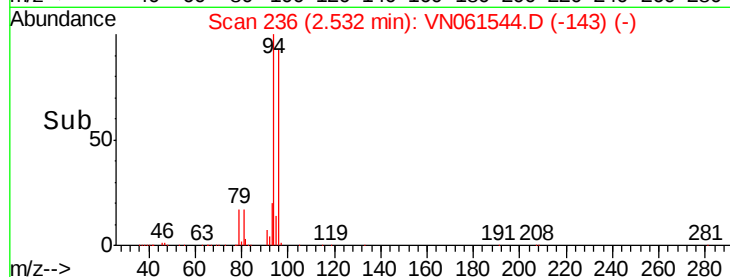
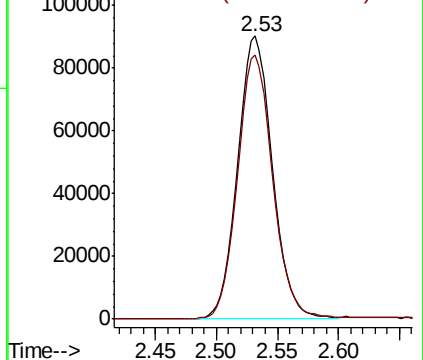
94 100

96 93.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.667 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061544.D

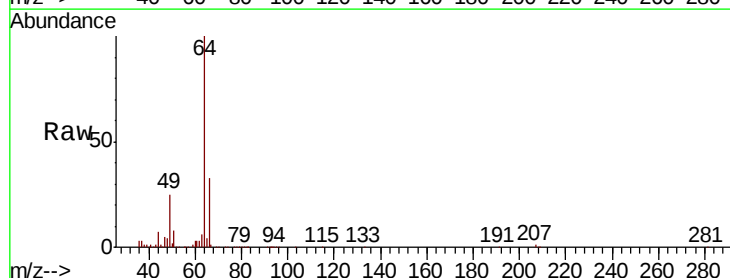
Acq: 28 May 2020 20:29

Tgt Ion: 64 Resp: 194169

Ion Ratio Lower Upper

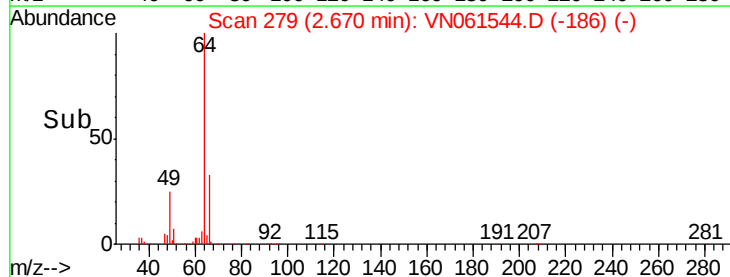
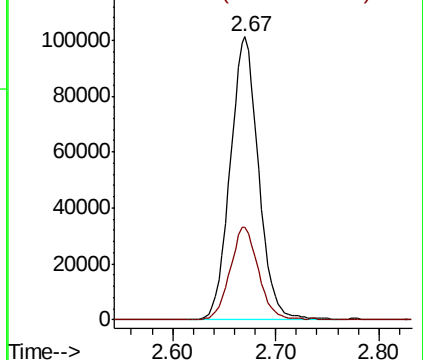
64 100

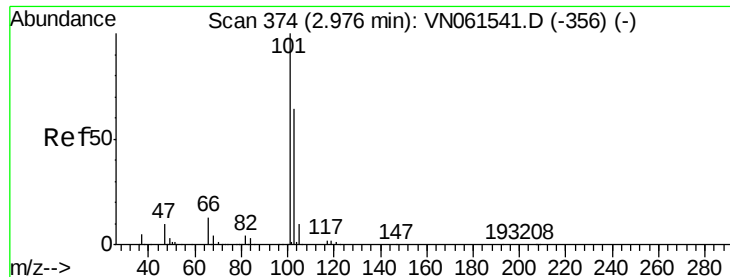
66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



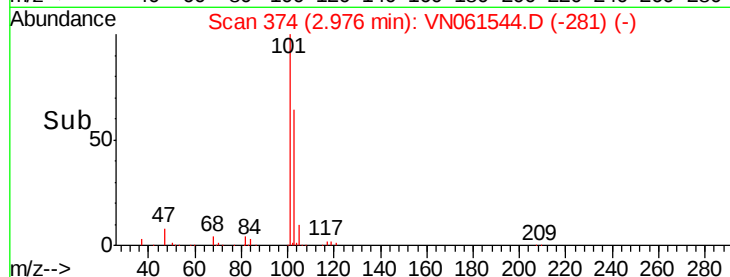
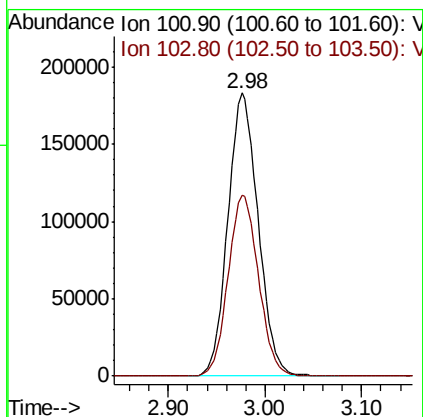
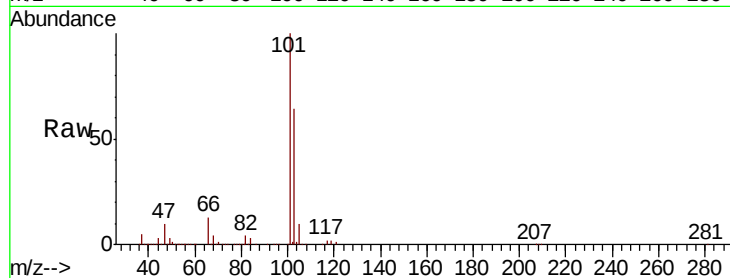


#7

Trichlorofluoromethane
 Concen: 51.827 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

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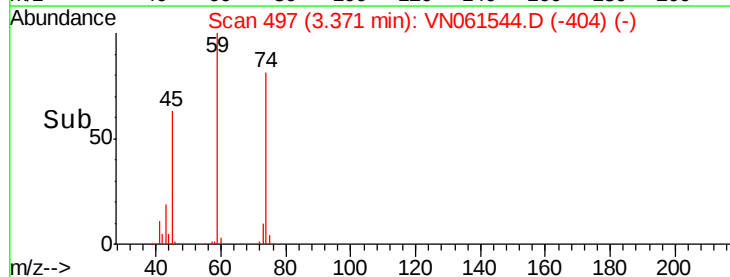
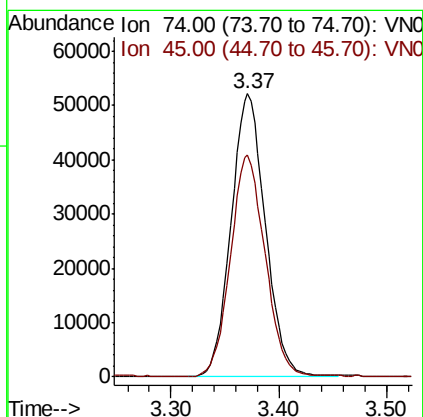
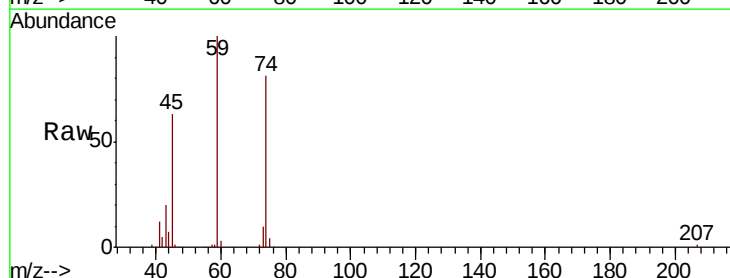
Tot Ion:101 Resp: 397903
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.2

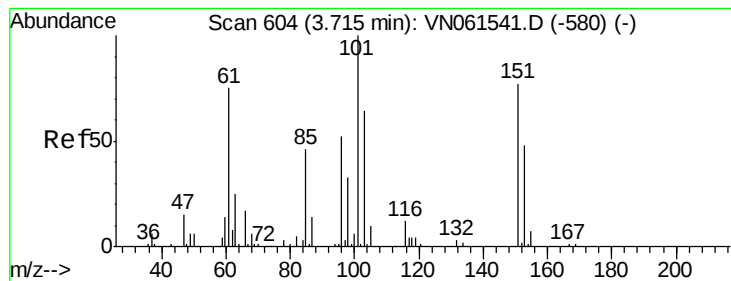


#8

Diethyl Ether
 Concen: 49.208 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 74 Resp: 115523
 Ion Ratio Lower Upper
 74 100
 45 79.3 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.354 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

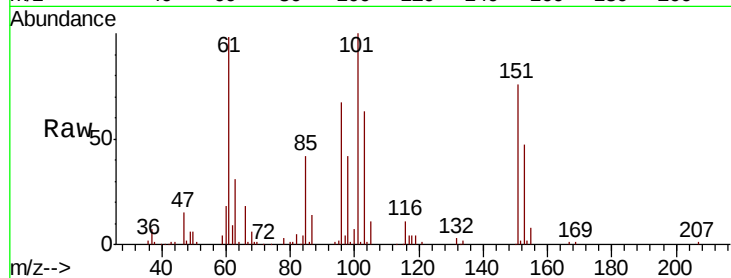
Tot Ion:101 Resp: 168148

Ion Ratio Lower Upper

101 100

85 43.5 35.2 52.8

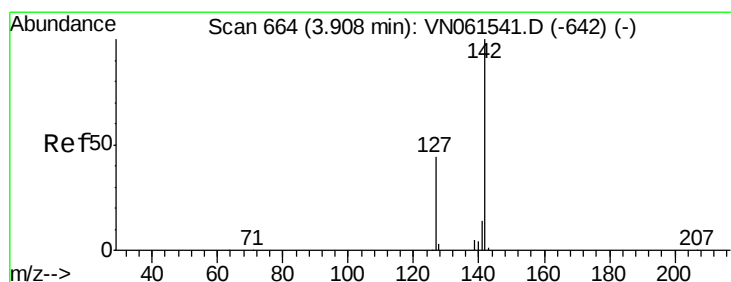
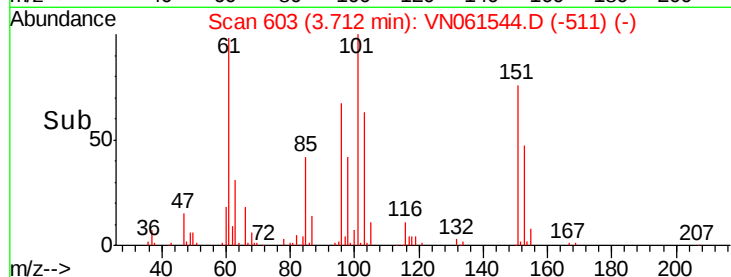
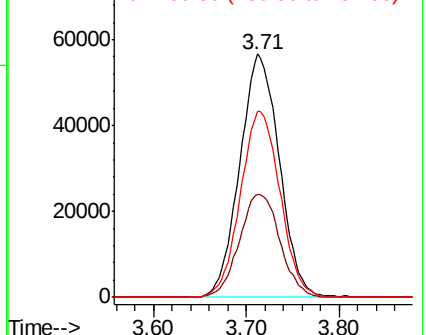
151 76.6 61.0 91.6



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: 52.250 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

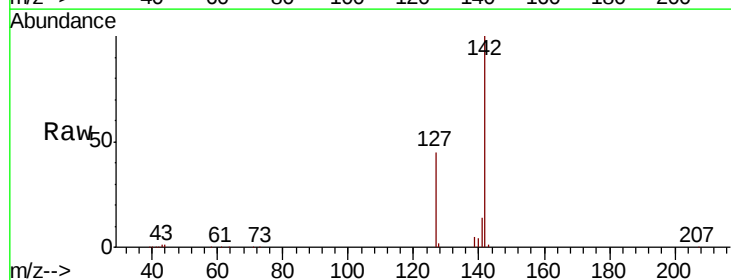
Tgt Ion:142 Resp: 247115

Ion Ratio Lower Upper

142 100

127 44.2 35.5 53.3

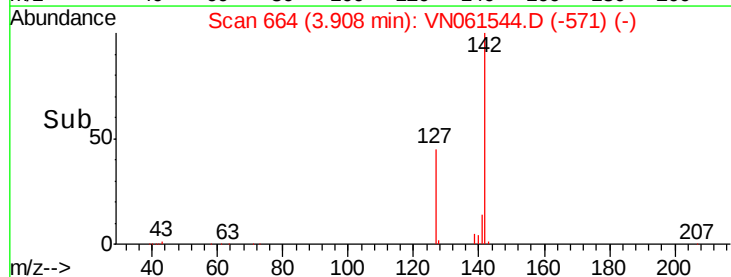
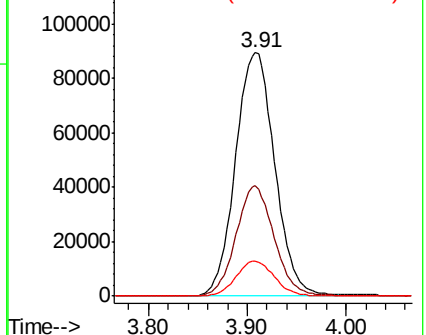
141 13.9 11.5 17.3

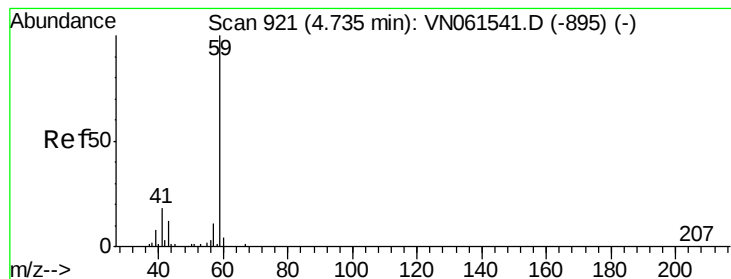


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



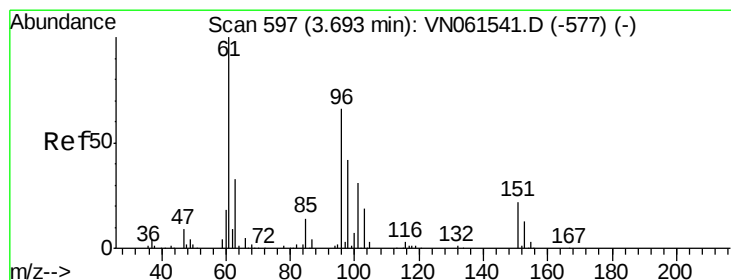
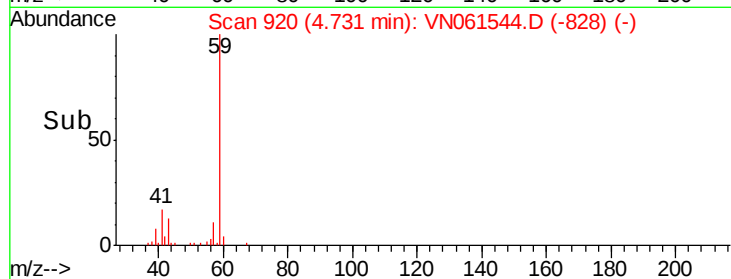
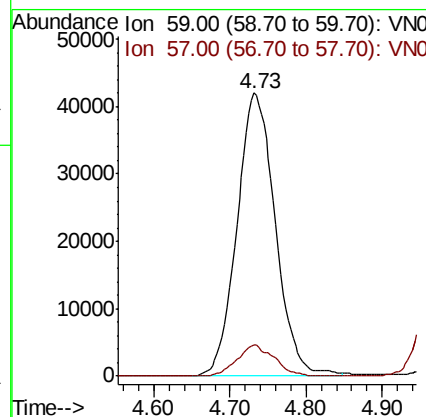
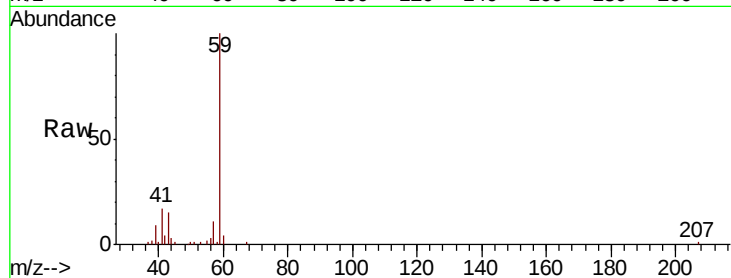


#11

Tert butyl alcohol
 Concen: 260.549 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

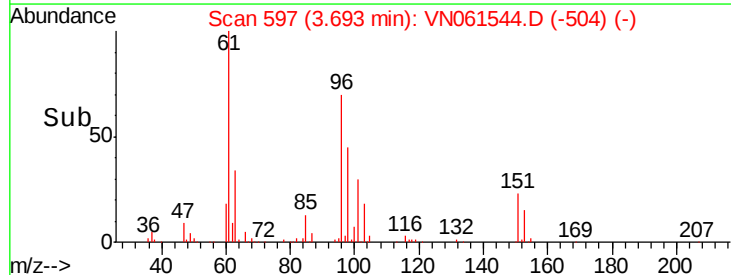
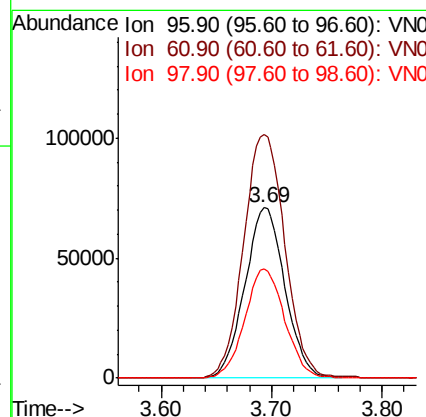
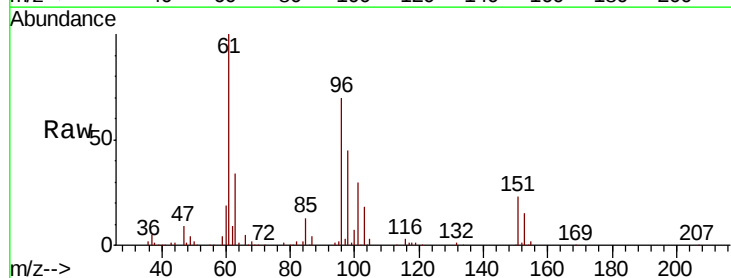
Tot Ion: 59 Resp: 147082
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

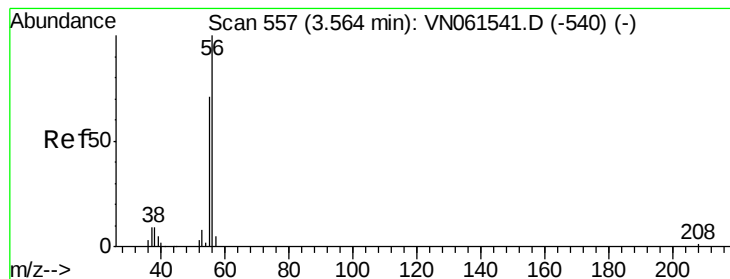


#12

1,1-Dichloroethene
 Concen: 49.132 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 96 Resp: 178834
 Ion Ratio Lower Upper
 96 100
 61 143.1 120.5 180.7
 98 64.5 50.8 76.2





#13

Acrolein

Concen: 266.041 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

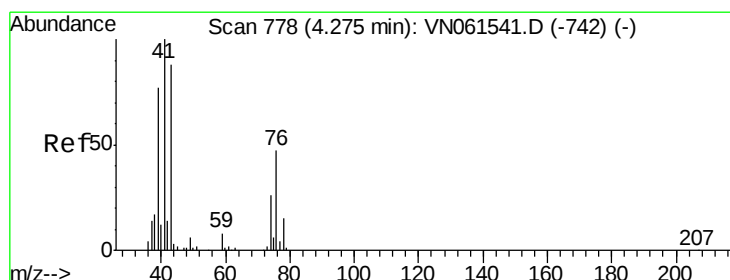
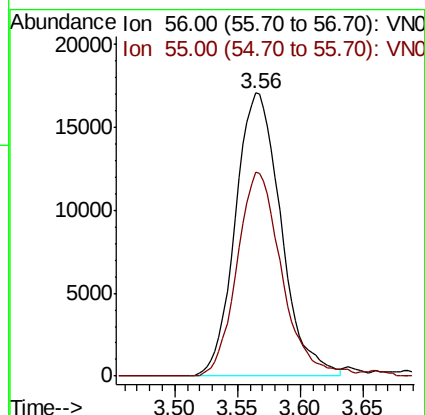
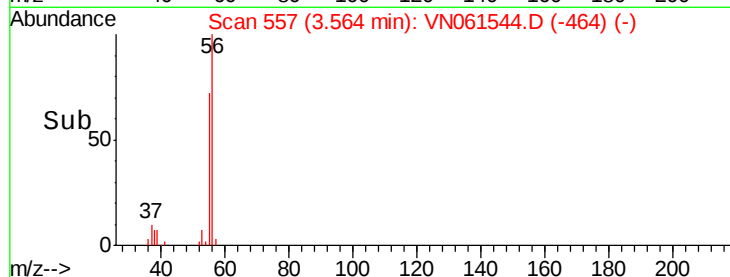
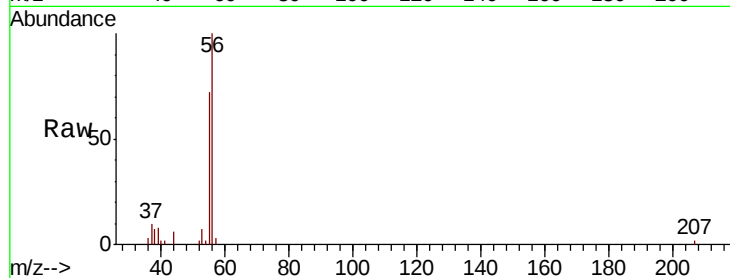
ICVFN052820

Tot Ion: 56 Resp: 43184

Ion Ratio Lower Upper

56 100

55 70.7 58.0 87.0



#14

Allyl chloride

Concen: 49.497 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

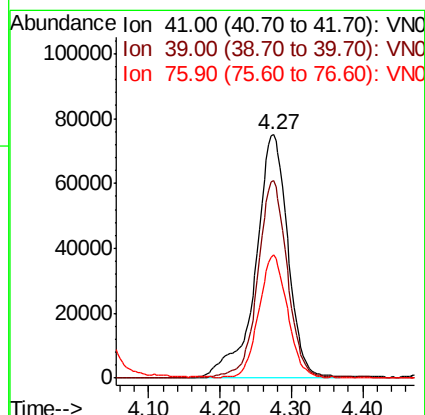
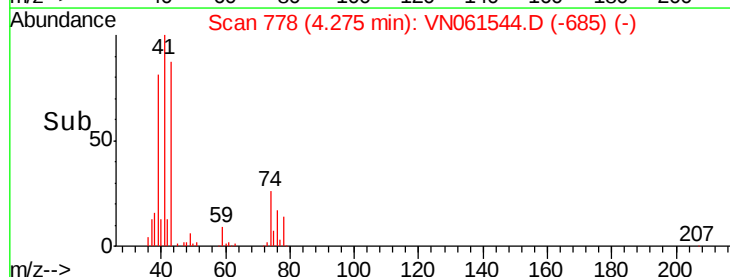
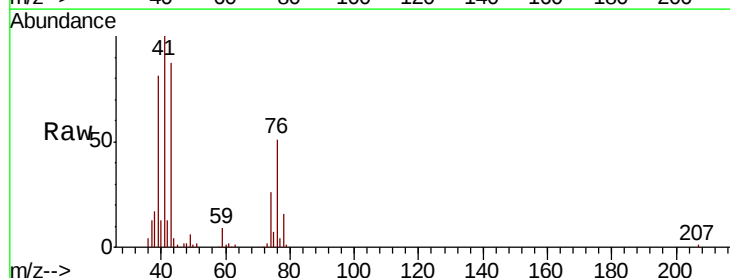
Tgt Ion: 41 Resp: 235537

Ion Ratio Lower Upper

41 100

39 74.3 58.6 88.0

76 43.7 34.2 51.4





#15

Acrylonitrile

Concen: 259.279 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

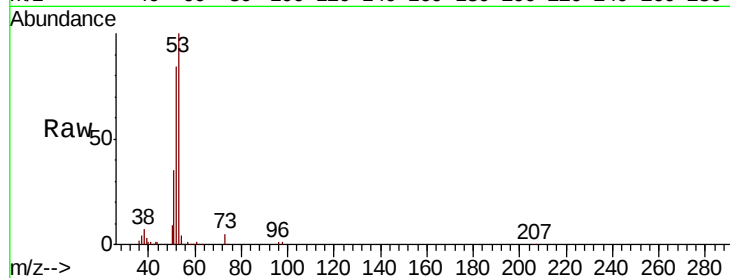
Tot Ion: 53 Resp: 408535

Ion Ratio Lower Upper

53 100

52 81.3 65.4 98.2

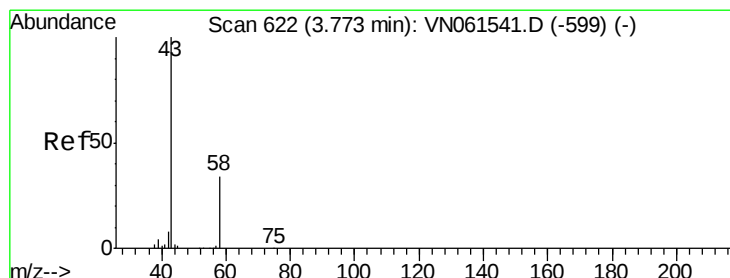
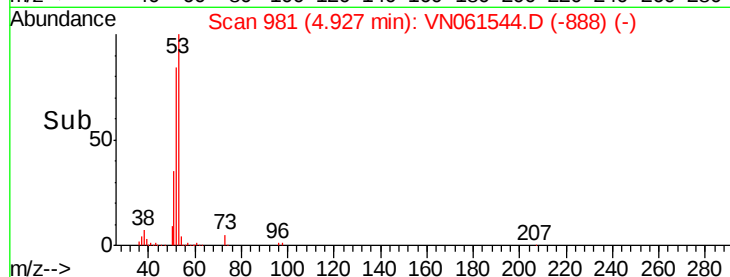
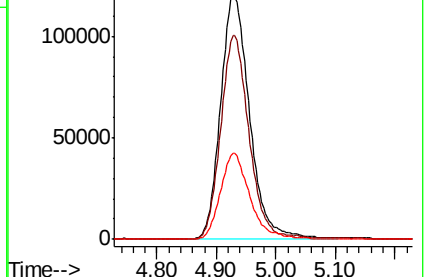
51 36.0 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN061544.D (-958) (-)

Ion 52.00 (51.70 to 52.70): VN061544.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VN061544.D (-958) (-)



#16

Acetone

Concen: 267.054 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061544.D

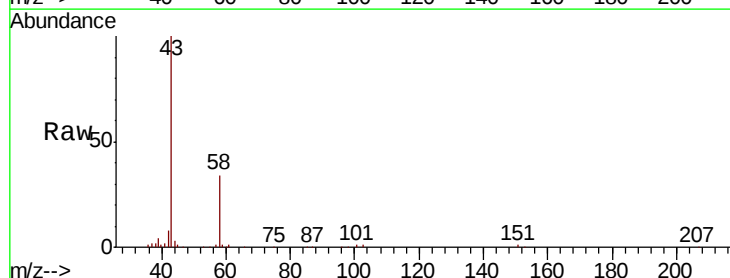
Acq: 28 May 2020 20:29

Tgt Ion: 43 Resp: 311867

Ion Ratio Lower Upper

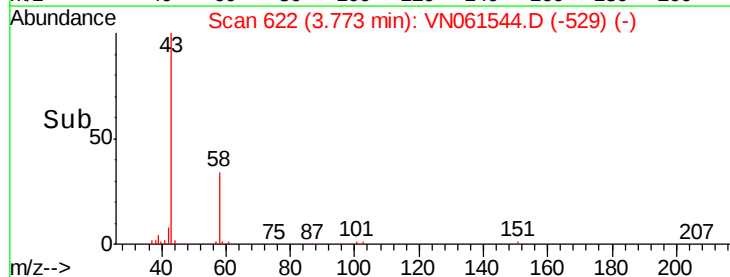
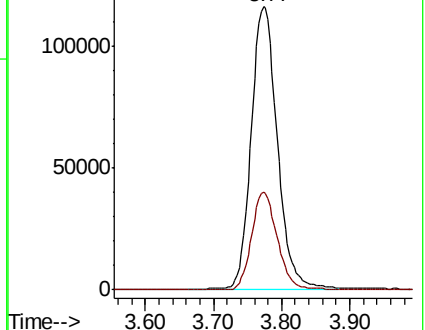
43 100

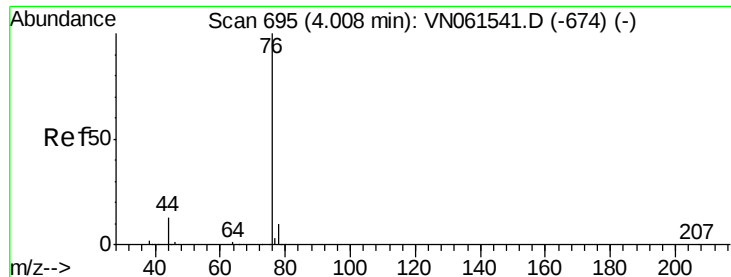
58 34.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061544.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN061544.D (-599) (-)

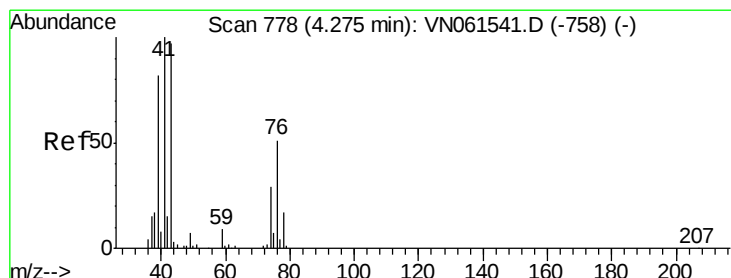
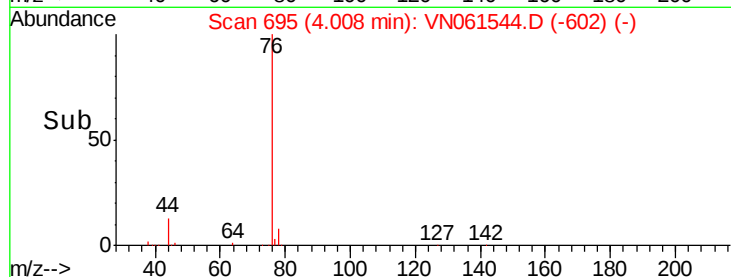
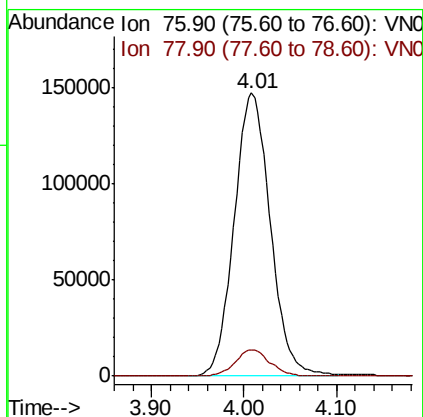
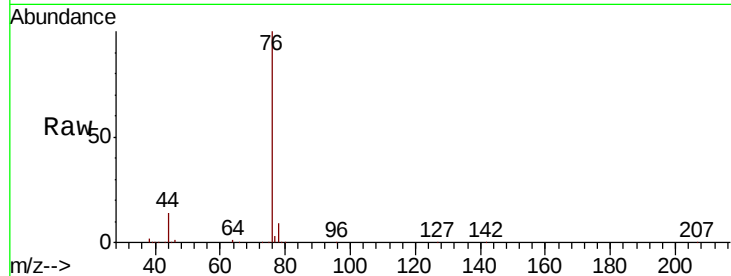




#17
Carbon Disulfide
Concen: 49.787 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

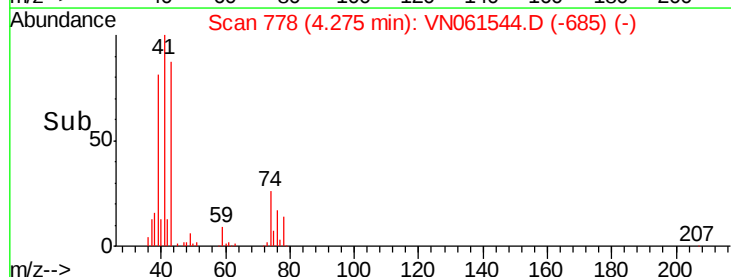
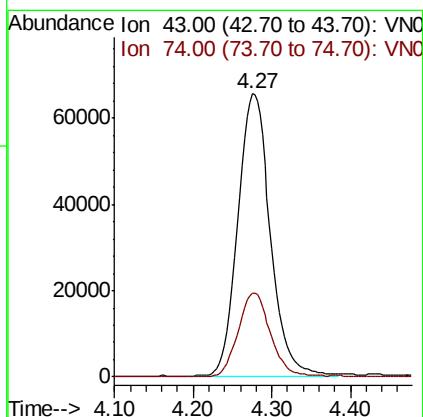
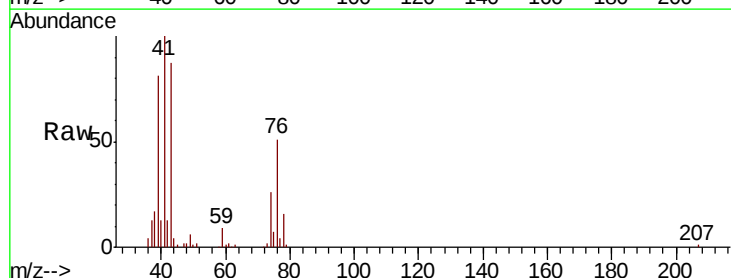
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

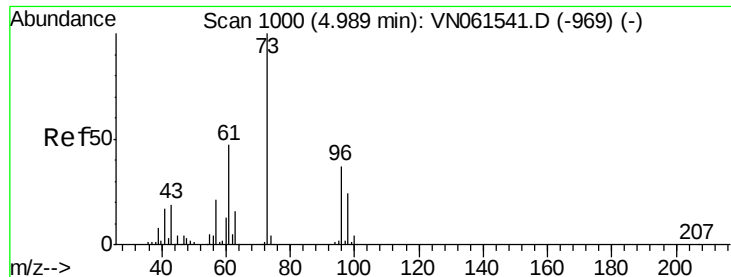
Tot Ion: 76 Resp: 398696
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6



#18
Methyl Acetate
Concen: 49.375 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 43 Resp: 189697
Ion Ratio Lower Upper
43 100
74 29.8 23.2 34.8

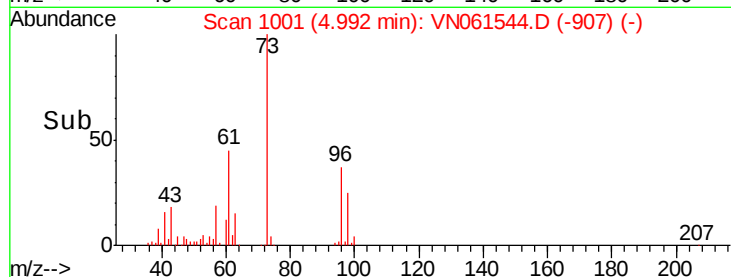
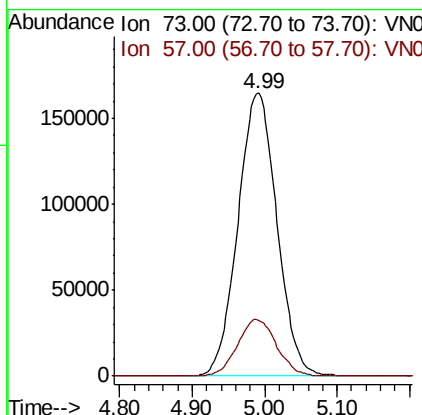
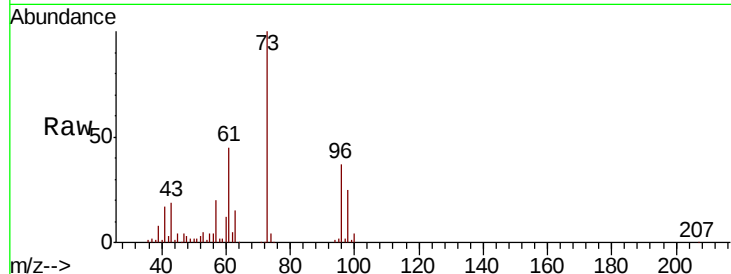




#19
Methvl tert-butvl Ether
Concen: 49.732 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

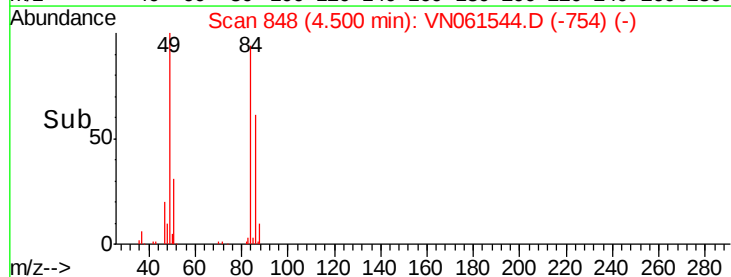
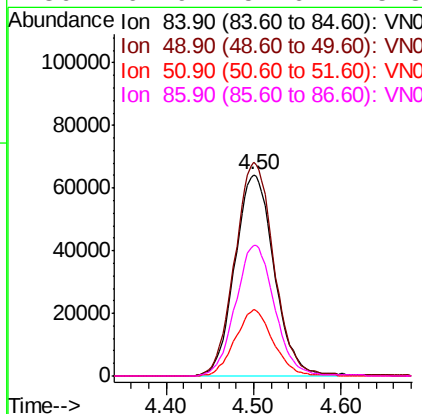
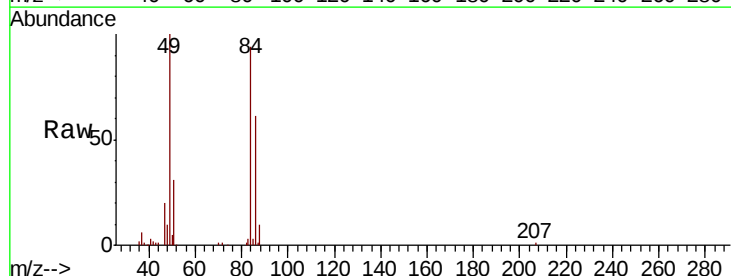
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

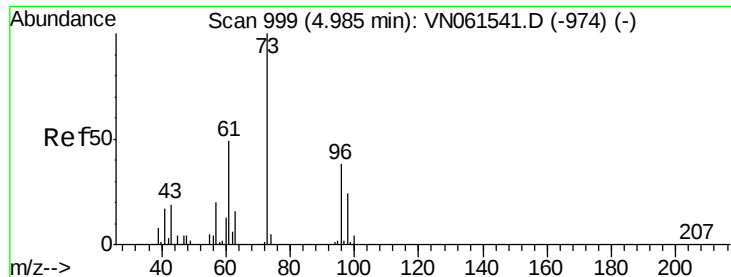
Tot Ion: 73 Resp: 616932
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6



#20
Methylene Chloride
Concen: 51.946 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 84 Resp: 200120
Ion Ratio Lower Upper
84 100
49 106.0 85.8 128.8
51 32.8 26.2 39.2
86 64.9 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 49.633 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

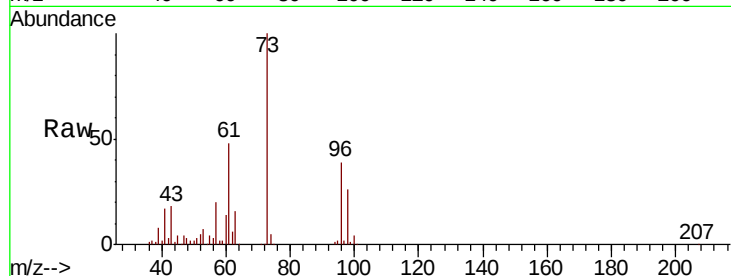
Tot Ion: 96 Resp: 203734

Ion Ratio Lower Upper

96 100

61 124.6 101.4 152.0

98 66.9 50.6 76.0

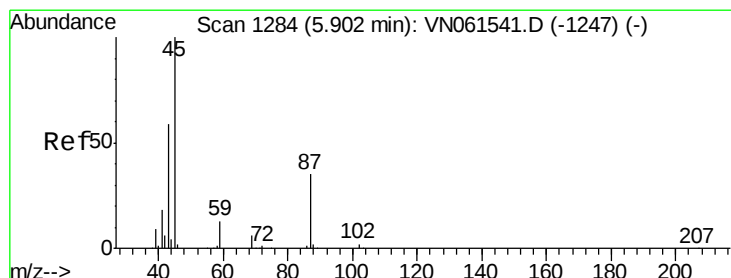
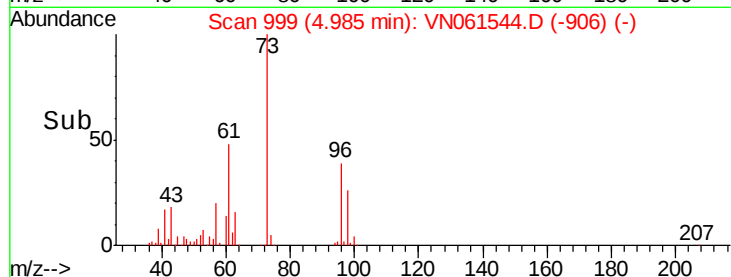
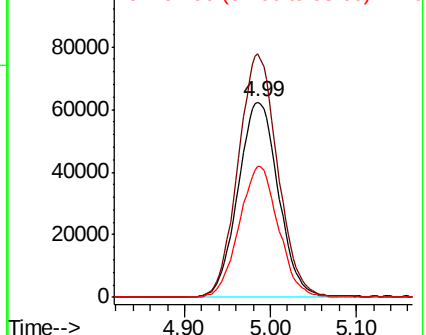


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.594 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Tgt Ion: 45 Resp: 530637

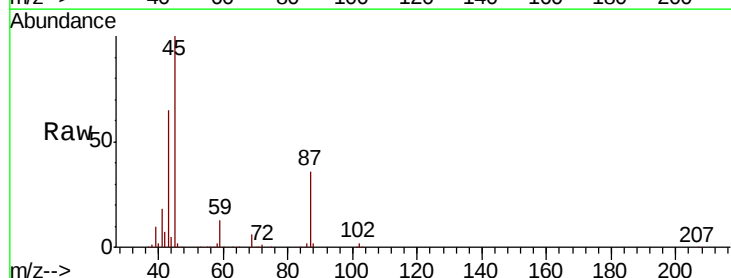
Ion Ratio Lower Upper

45 100

43 64.4 47.9 71.9

87 35.7 28.4 42.6

59 13.1 10.5 15.7



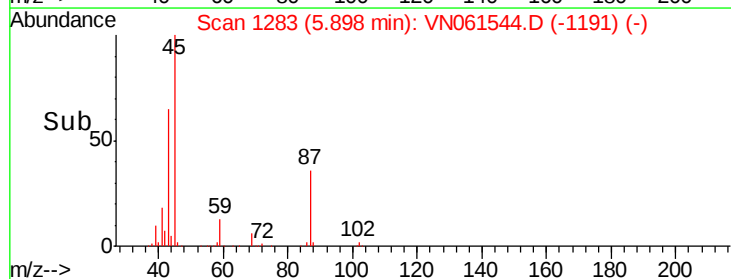
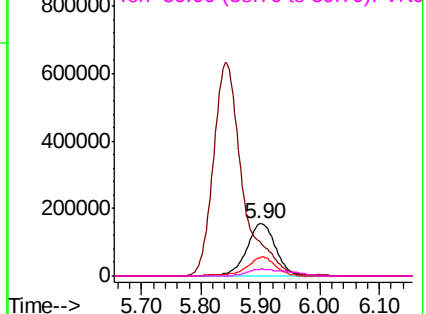
Abundance

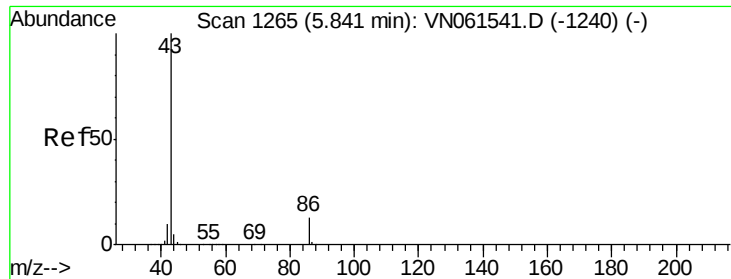
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

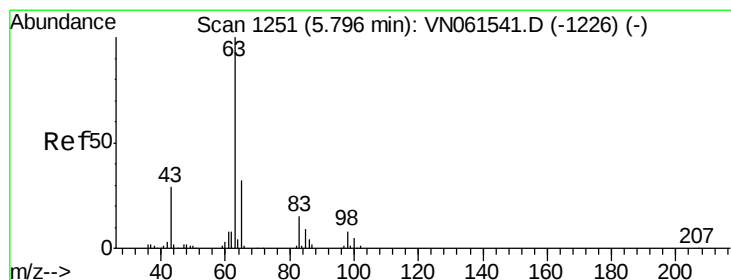
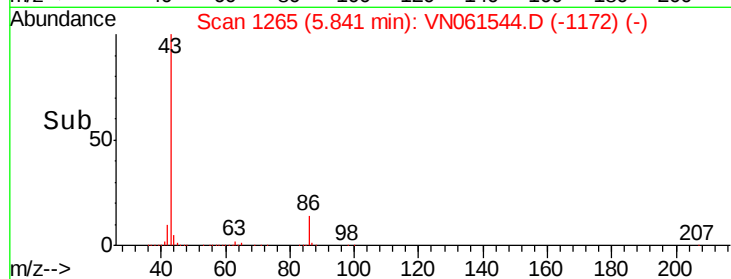
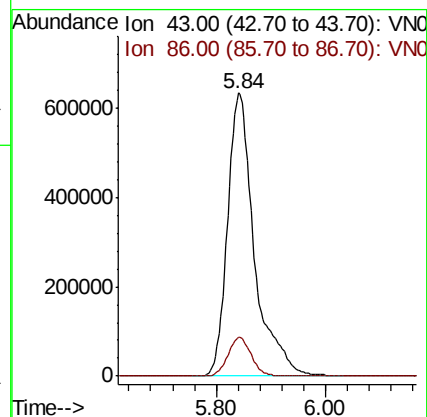
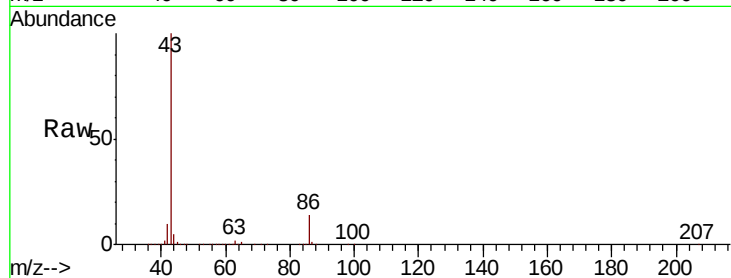




#23
 Vinyl Acetate
 Concen: 258.277 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

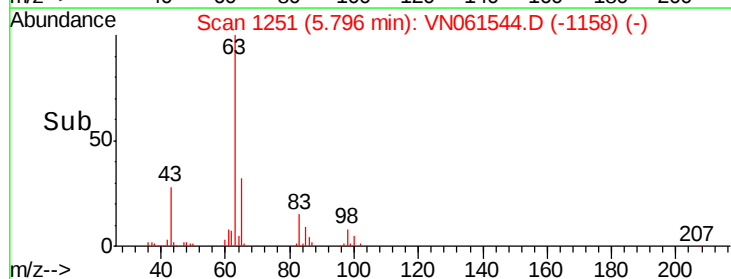
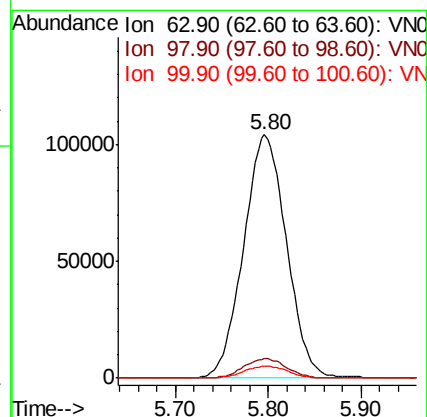
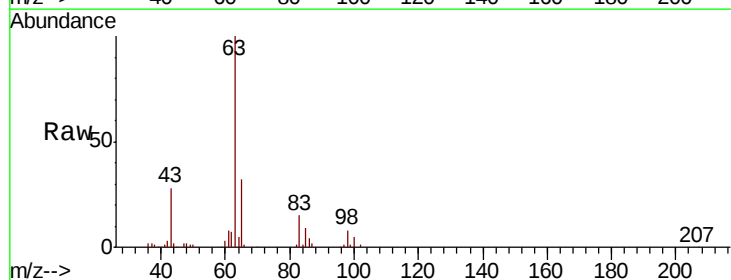
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

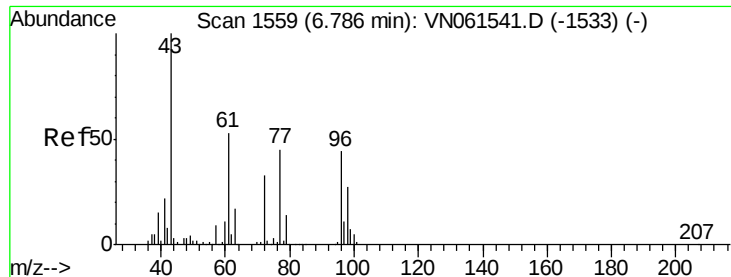
Tot Ion: 43 Resp: 2159006
 Ion Ratio Lower Upper
 43 100
 86 13.8 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 50.253 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 63 Resp: 334216
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.4
 100 5.1 2.5 7.6





#25

2-Butanone

Concen: 251.982 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

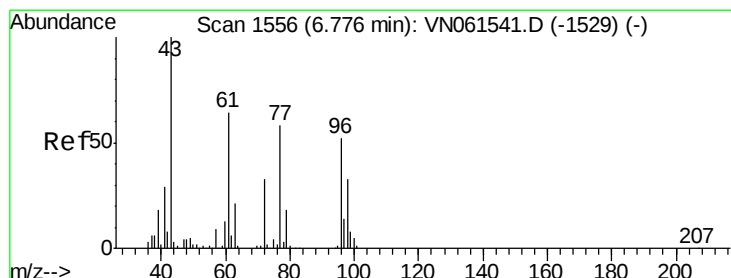
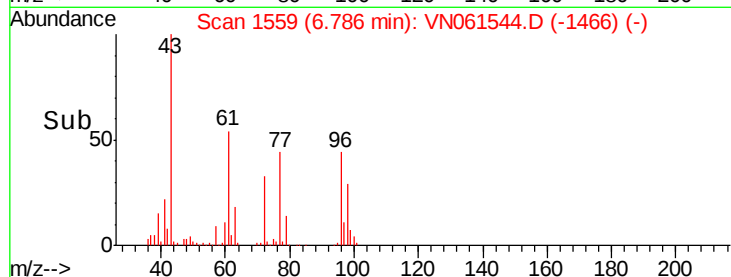
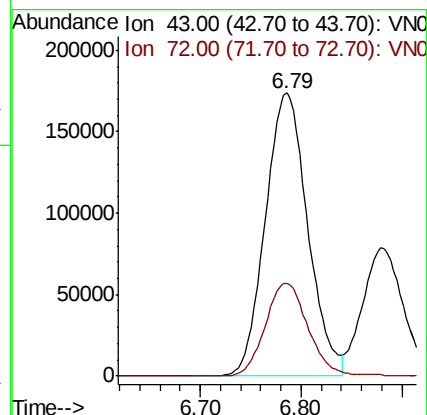
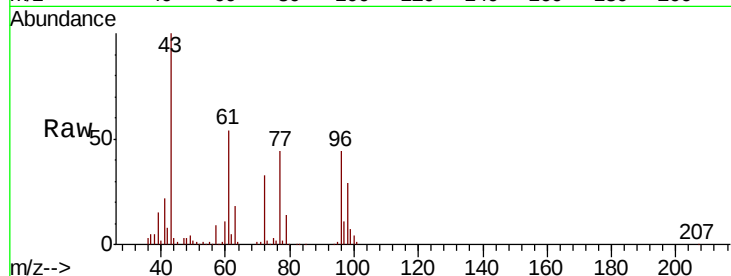
ICVVN052820

Tot Ion: 43 Resp: 506832

Ion Ratio Lower Upper

43 100

72 32.8 26.0 39.0



#26

2,2-Dichloropropane

Concen: 46.713 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061544.D

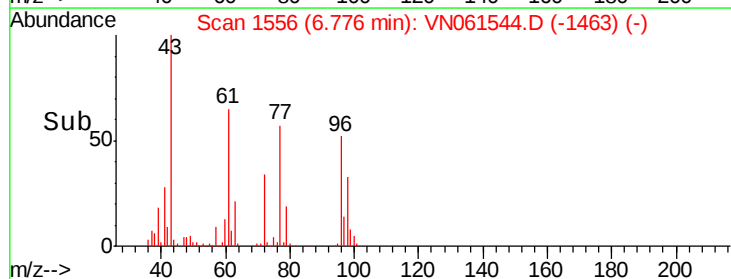
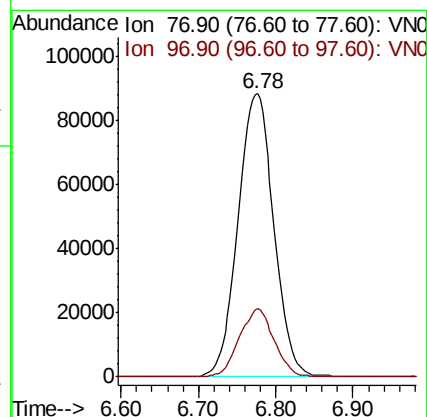
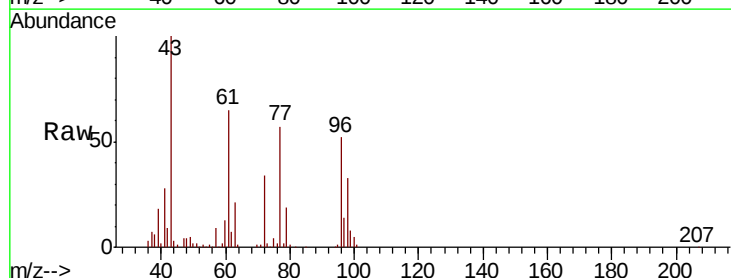
Acq: 28 May 2020 20:29

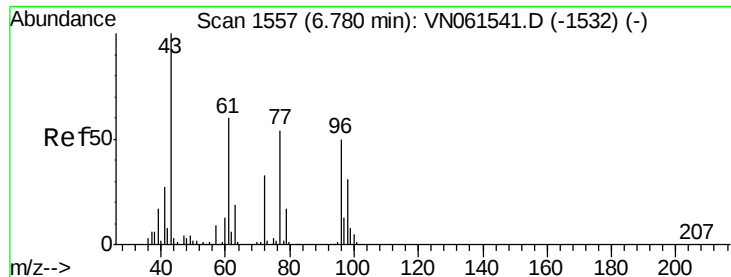
Tgt Ion: 77 Resp: 284350

Ion Ratio Lower Upper

77 100

97 23.4 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 50.905 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

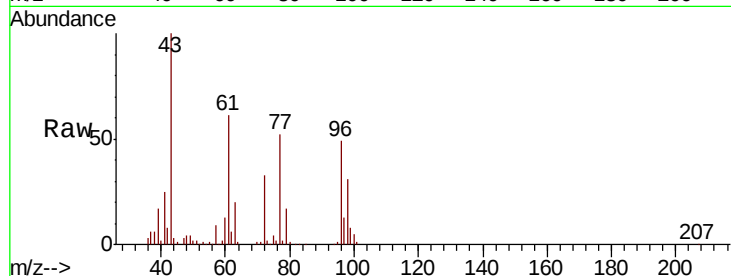
Tot Ion: 96 Resp: 236615

Ion Ratio Lower Upper

96 100

61 126.2 0.0 252.2

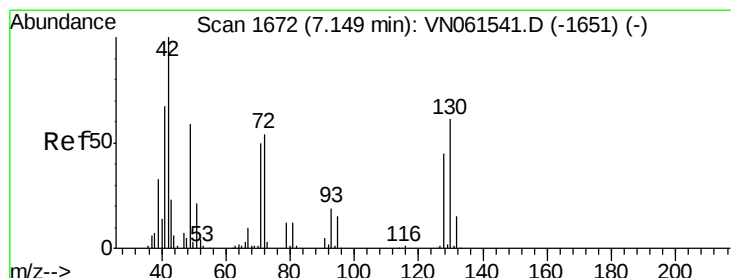
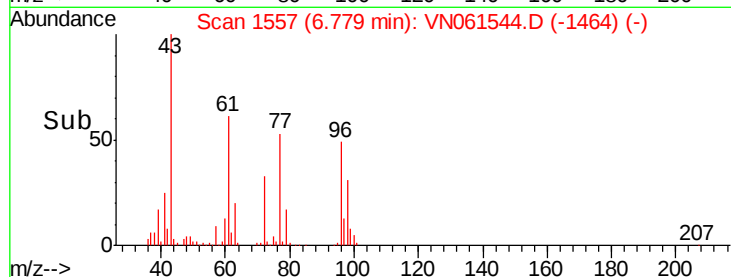
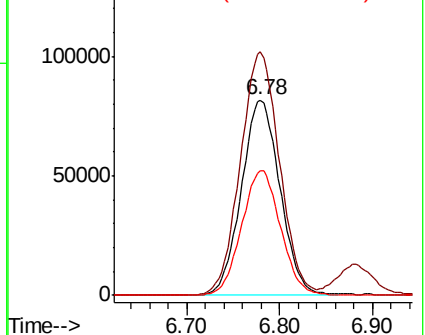
98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN061541.D (-1532) (-)

Ion 60.90 (60.60 to 61.60): VN061541.D (-1532) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1532) (-)



#28

Bromochloromethane

Concen: 52.814 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

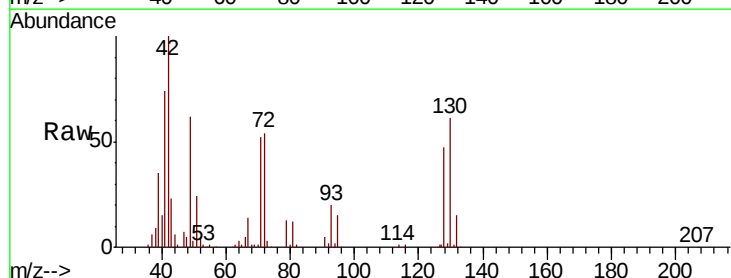
Tgt Ion: 49 Resp: 131667

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.8

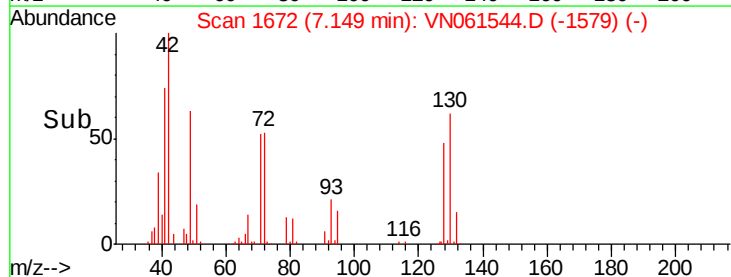
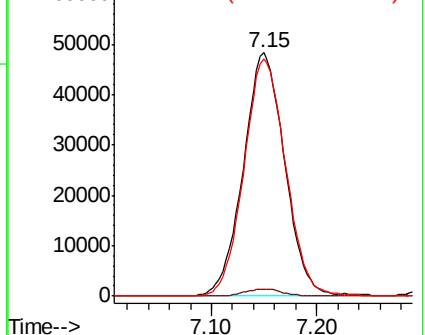
130 98.3 78.8 118.2

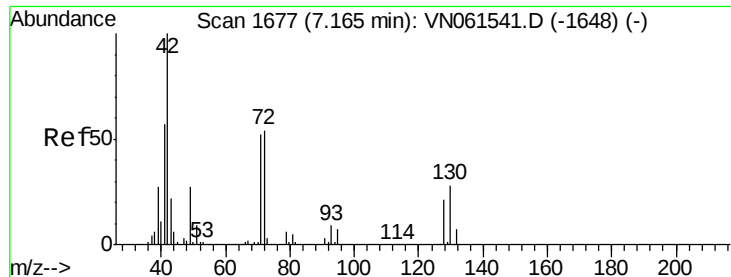


Abundance Ion 48.90 (48.60 to 49.60): VN061541.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN061541.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN061541.D (-1651) (-)

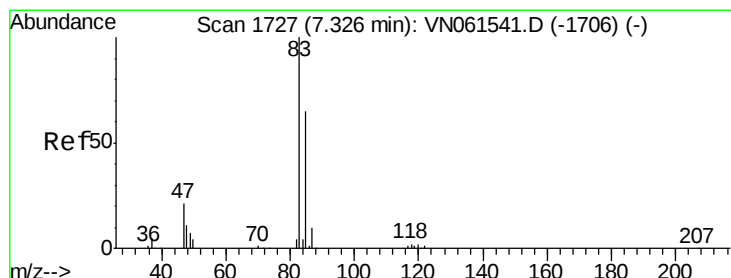
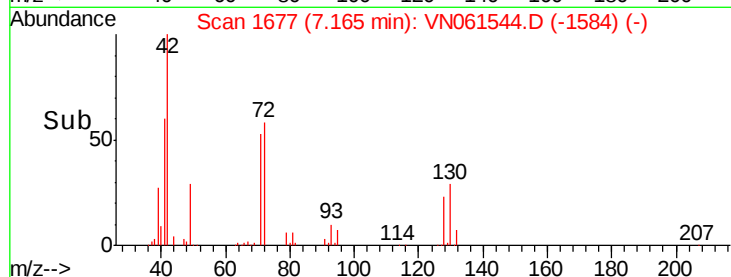
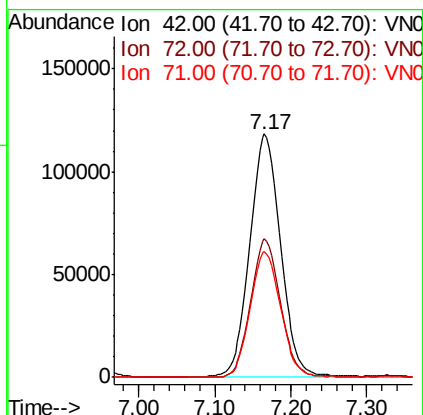
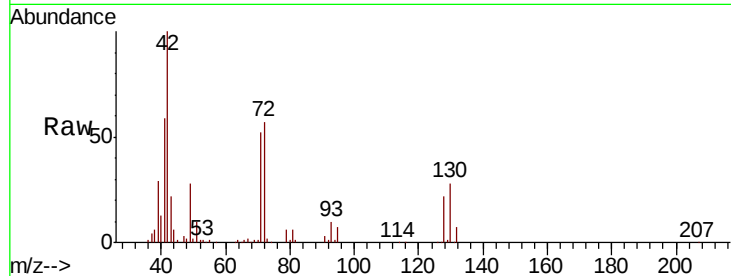




#29
Tetrahydrofuran
Concen: 252.667 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

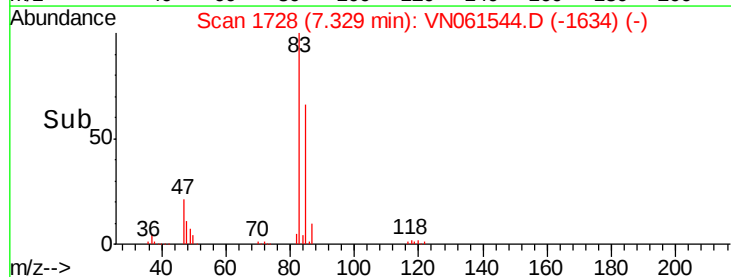
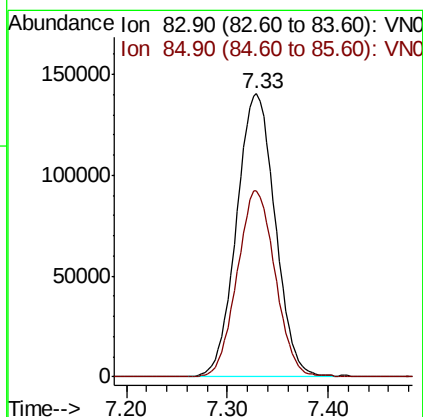
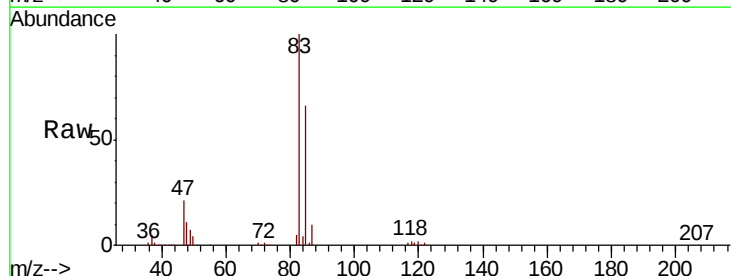
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion: 42 Resp: 335122
Ion Ratio Lower Upper
42 100
72 55.0 43.6 65.4
71 50.8 41.2 61.8



#30
Chloroform
Concen: 50.631 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 83 Resp: 372536
Ion Ratio Lower Upper
83 100
85 65.9 51.7 77.5





#31

Cyclohexane

Concen: 48.649 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

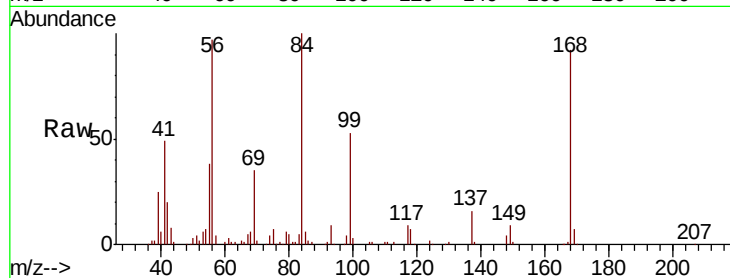
Tot Ion: 56 Resp: 290986

Ion Ratio Lower Upper

56 100

69 36.0 27.8 41.8

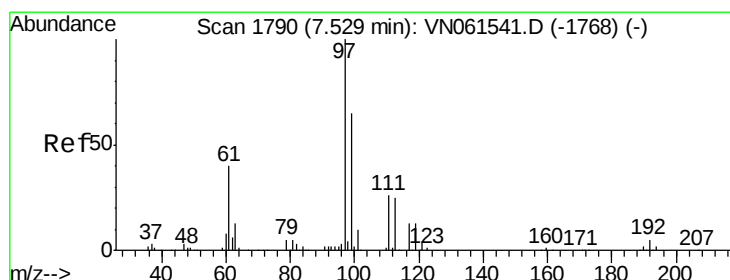
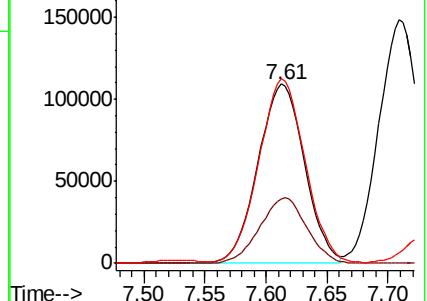
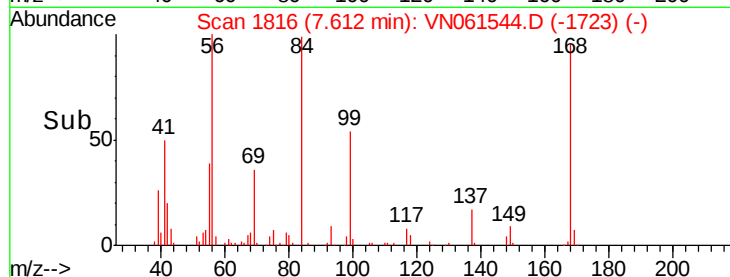
84 101.0 79.9 119.9



Abundance Ion 56.00 (55.70 to 56.70): VN061544.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061544.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061544.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 51.389 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

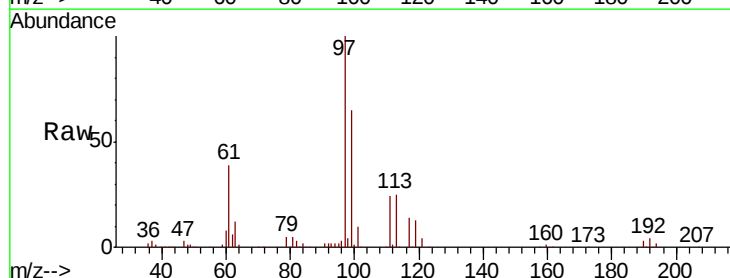
Tgt Ion: 97 Resp: 344531

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

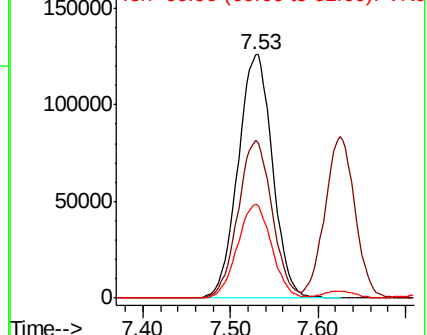
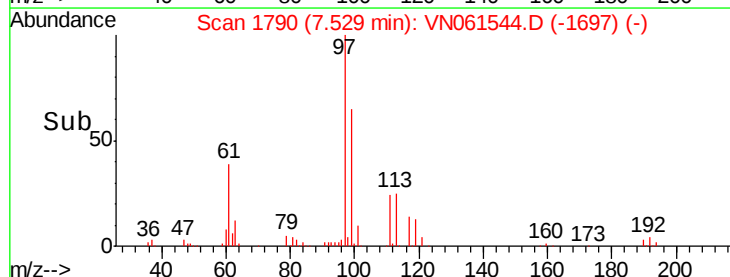
61 38.2 31.4 47.0



Abundance Ion 96.90 (96.60 to 97.60): VN061544.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061544.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061544.D (-1697) (-)

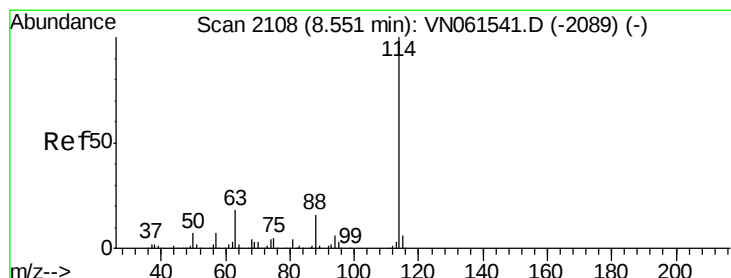
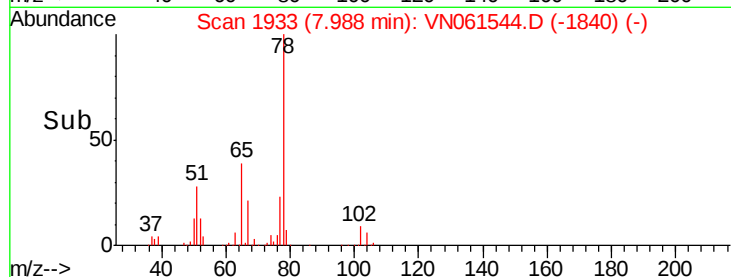
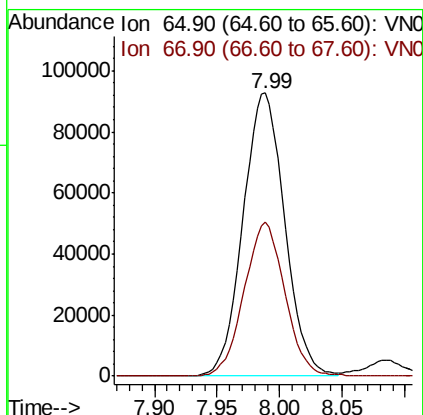
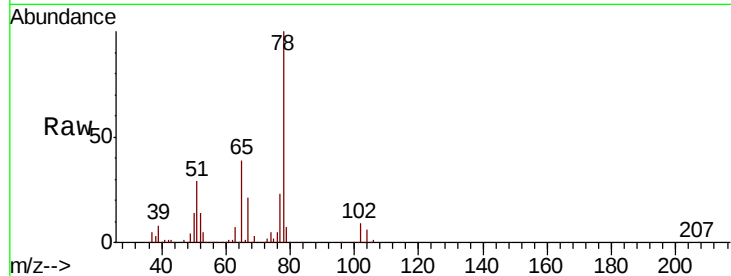




#33
 1,2-Dichloroethane-d4
 Concen: 50.556 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

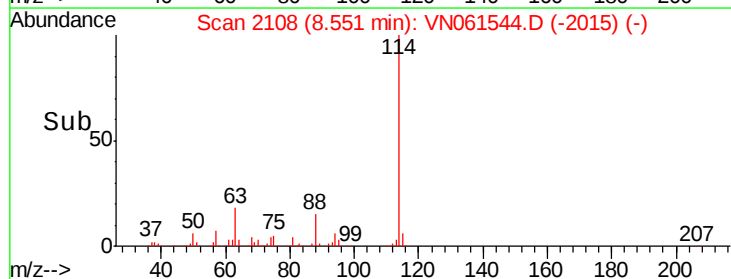
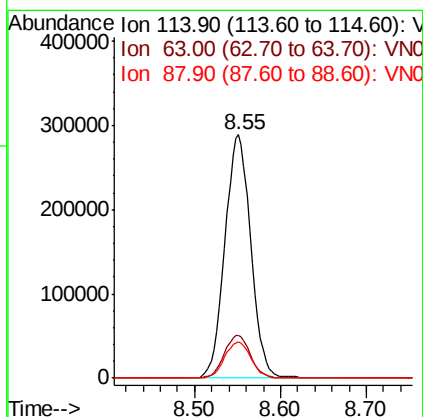
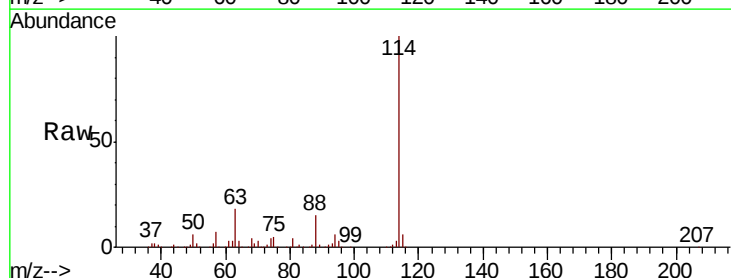
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion: 65 Resp: 214564
 Ion Ratio Lower Upper
 65 100
 67 53.3 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: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 114 Resp: 603817
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.8
 88 15.0 0.0 31.0

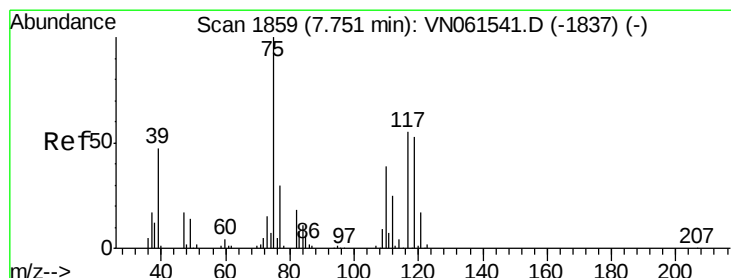
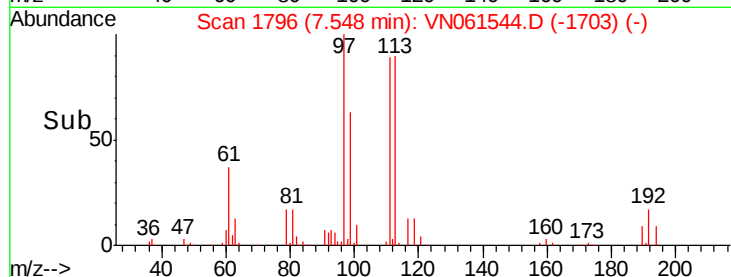
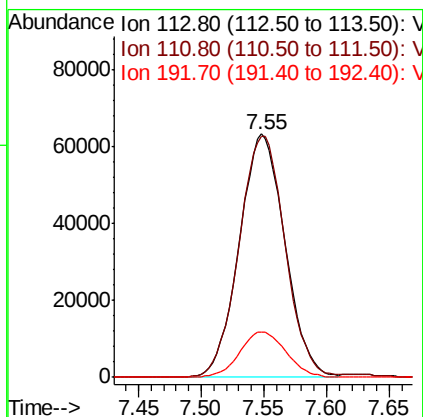
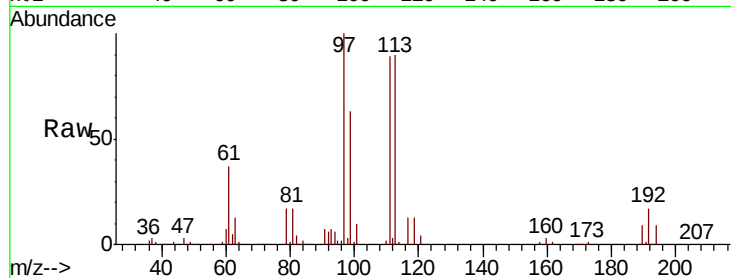




#35
 Dibromofluoromethane
 Concen: 52.221 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

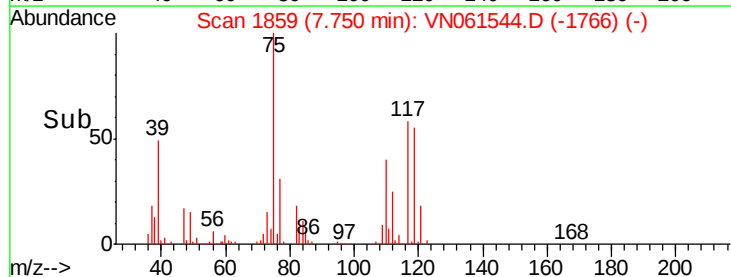
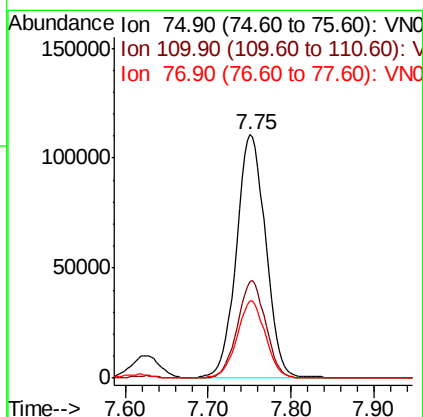
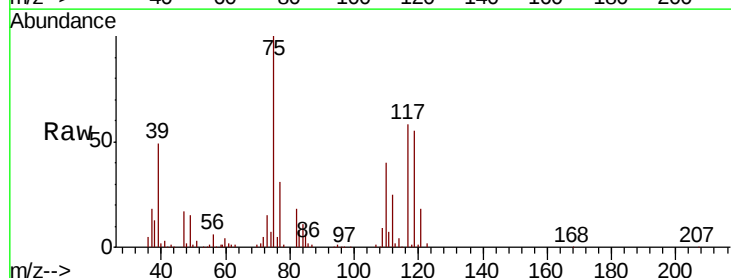
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

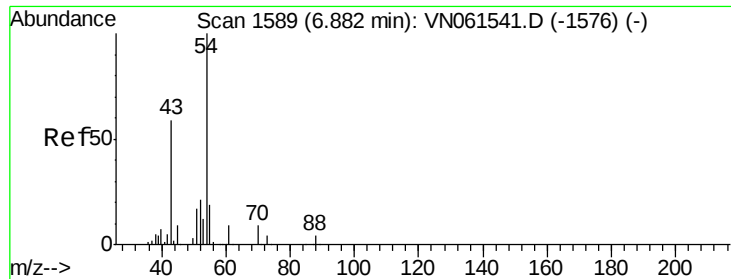
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	83.4	125.0
192	18.9	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 50.736 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.5	58.5
77	31.0	24.7	37.1

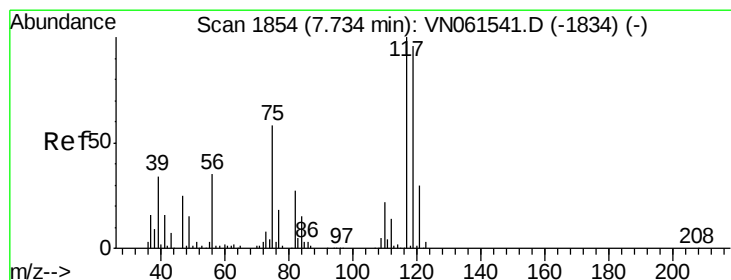
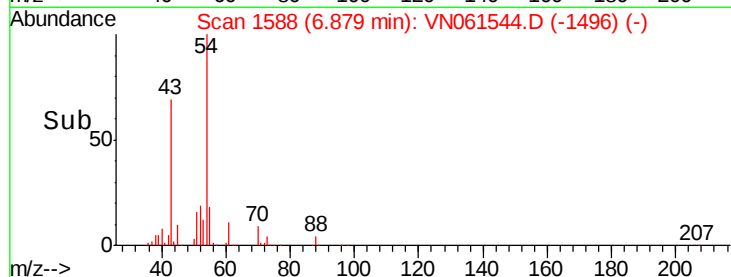
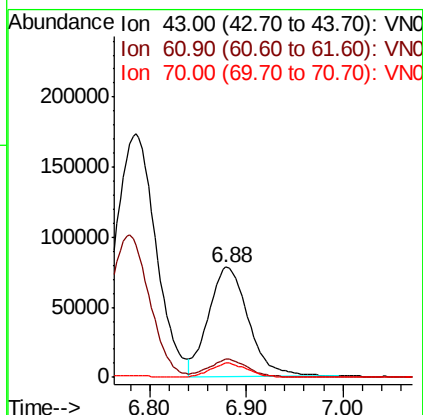
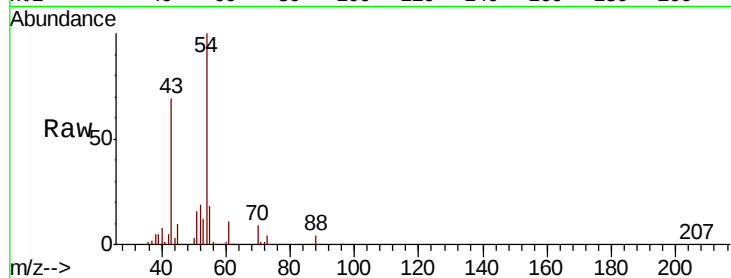




#37
Ethyl Acetate
Concen: 52.375 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

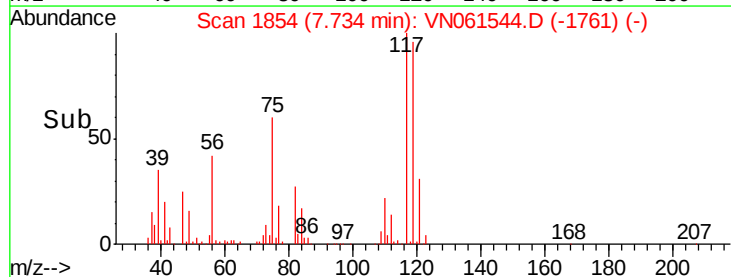
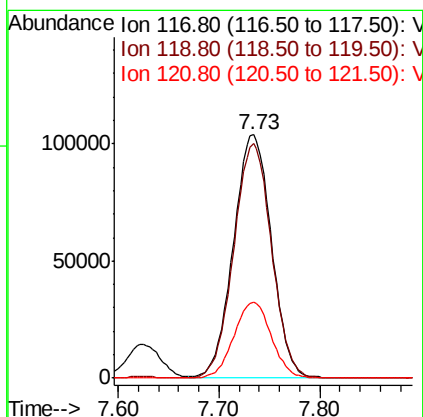
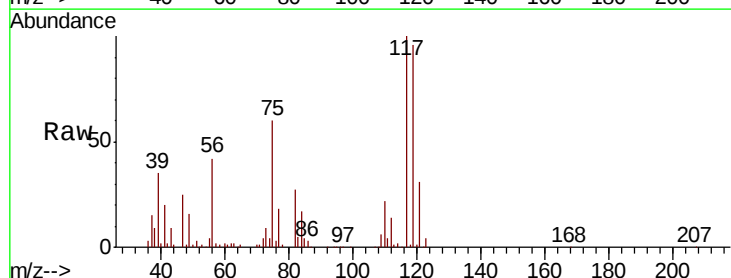
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

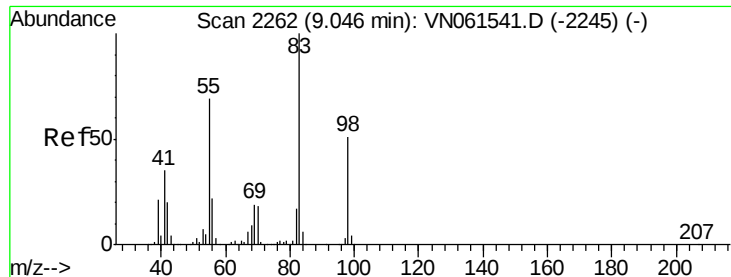
Tot Ion: 43 Resp: 225491
Ion Ratio Lower Upper
43 100
61 15.6 12.2 18.4
70 12.2 9.4 14.2



#38
Carbon Tetrachloride
Concen: 52.547 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 117 Resp: 270930
Ion Ratio Lower Upper
117 100
119 96.6 76.5 114.7
121 31.5 24.1 36.1

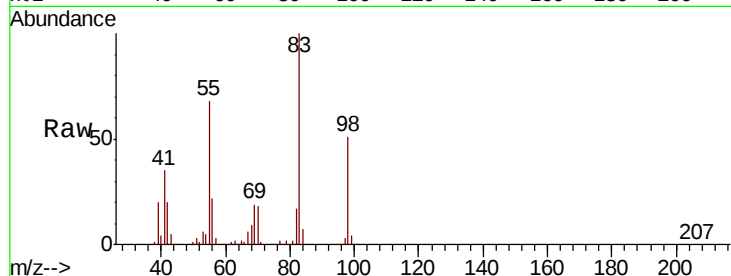




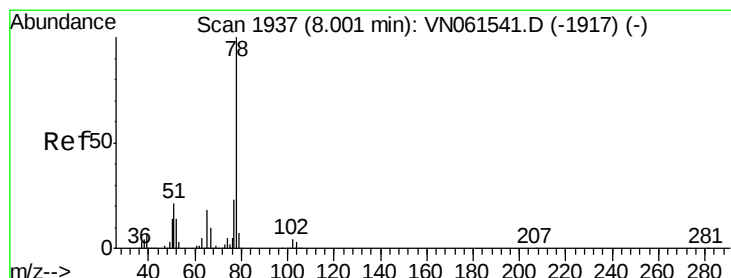
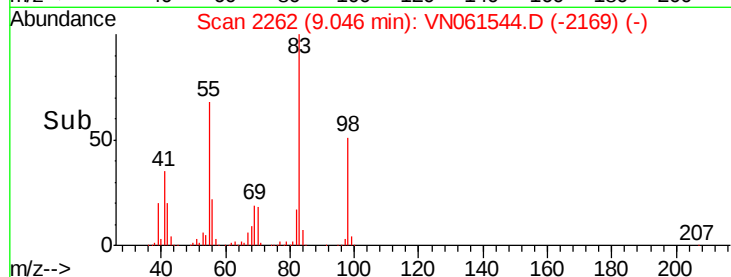
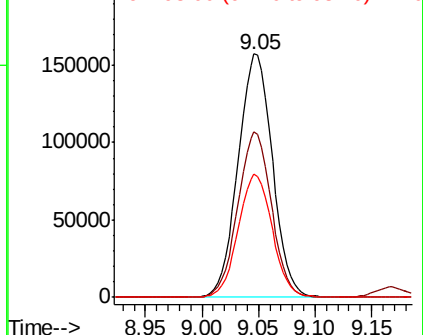
#39
Methvlcvclohexane
Concen: 50.696 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion: 83 Resp: 334013
Ion Ratio Lower Upper
83 100
55 68.1 54.9 82.3
98 50.6 41.0 61.4

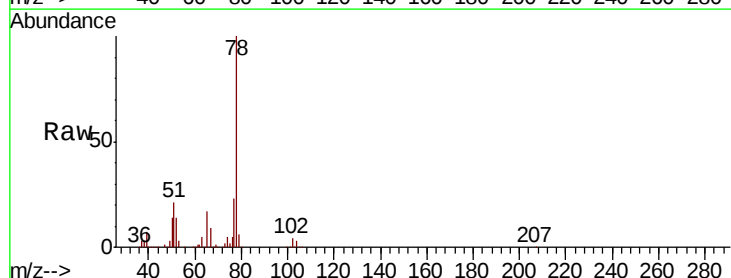


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

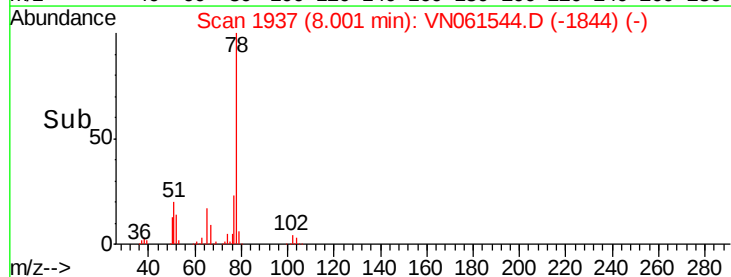
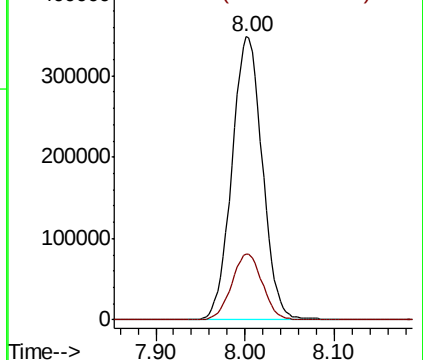


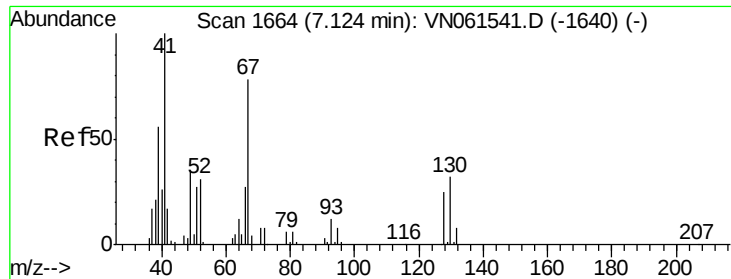
#40
Benzene
Concen: 50.067 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 78 Resp: 825748
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

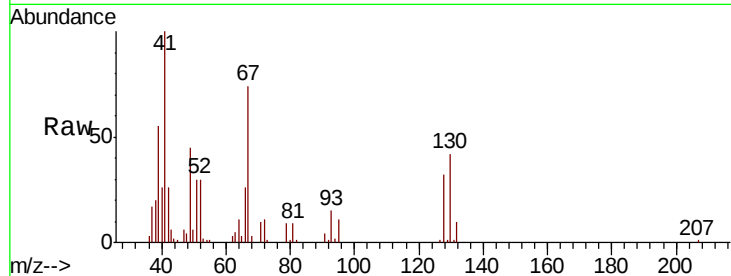




#41
Methacrylonitrile
Concen: 49.057 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Instrument :
MSVOA_N
ClientSampled :
ICVVN052820

Tot Ion:	41	Resp:	96767
Ion	Ratio	Lower	Upper
41	100		
39	66.7	53.8	80.6
67	104.3	91.1	136.7
52	40.4	36.0	54.0



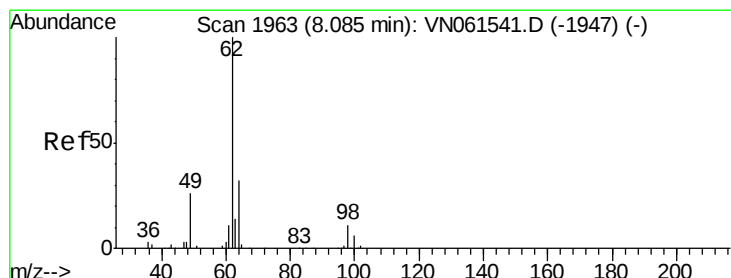
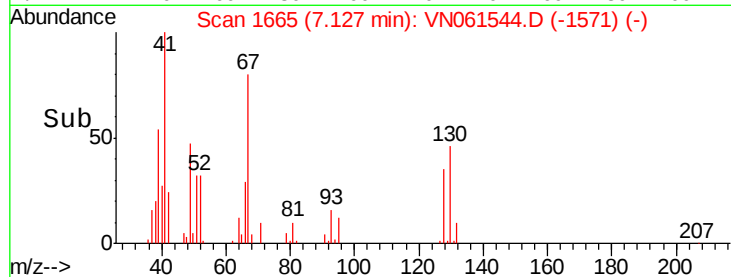
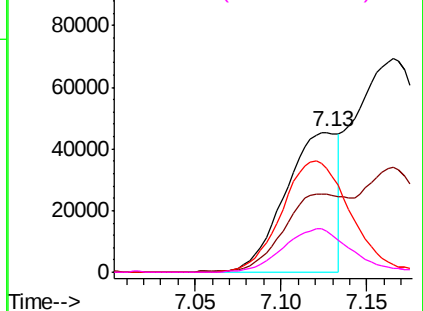
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

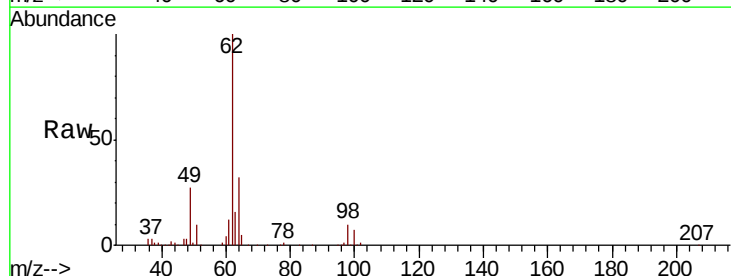
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 49.611 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

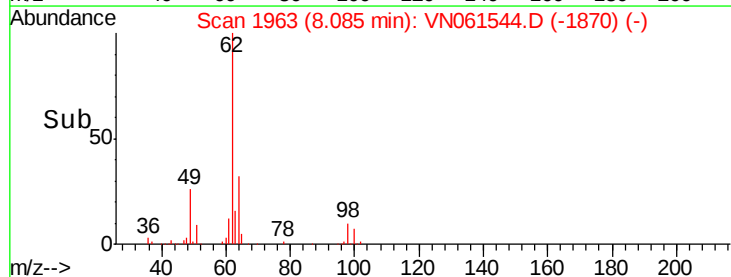
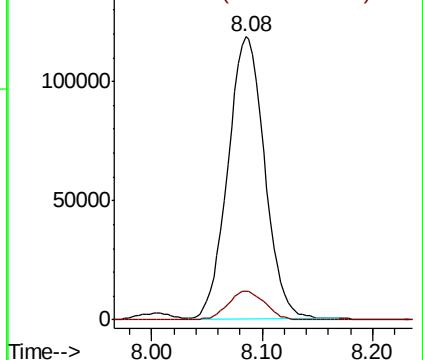
Tgt Ion:	62	Resp:	273934
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.4

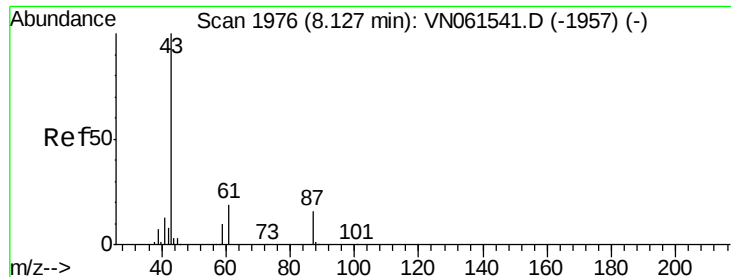


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 50.192 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

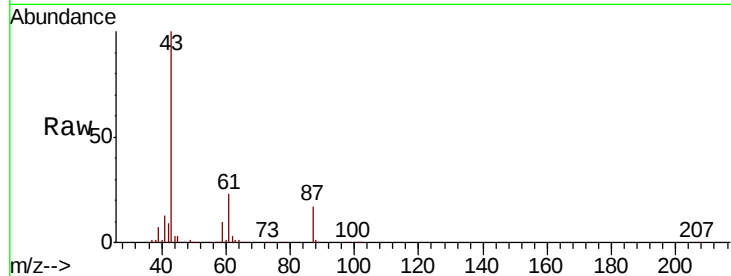
Tot Ion: 43 Resp: 388777

Ion Ratio Lower Upper

43 100

61 30.1 23.6 35.4

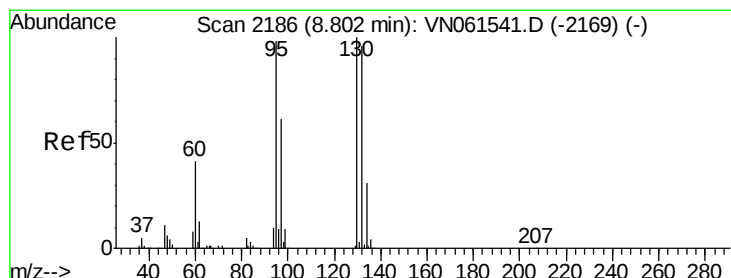
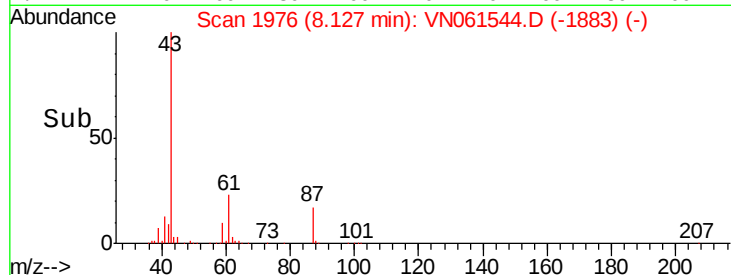
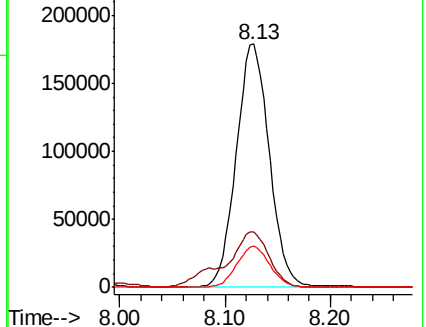
87 17.0 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN061544.D (-1957) (-)

Ion 61.00 (60.70 to 61.70): VN061544.D (-1957) (-)

Ion 87.00 (86.70 to 87.70): VN061544.D (-1957) (-)



#44

Trichloroethene

Concen: 51.222 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061544.D

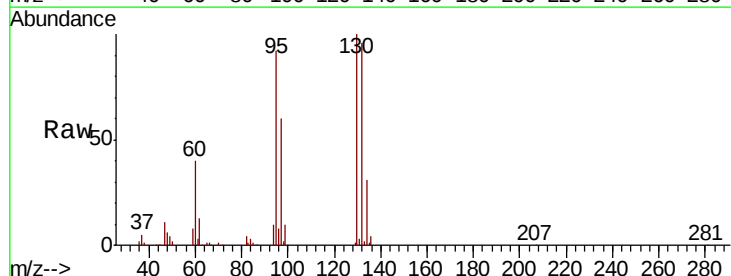
Acq: 28 May 2020 20:29

Tgt Ion: 130 Resp: 259628

Ion Ratio Lower Upper

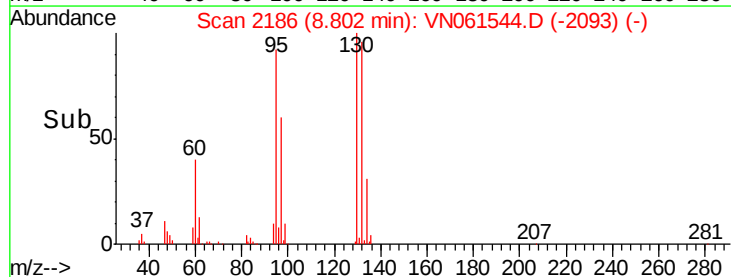
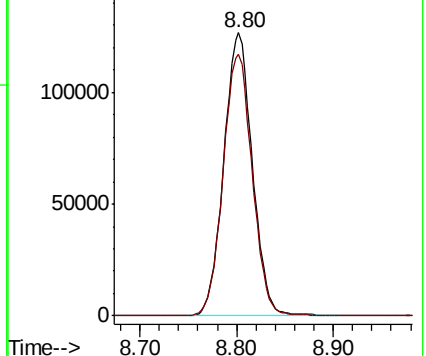
130 100

95 92.3 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): VN061544.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN061544.D (-2093) (-)

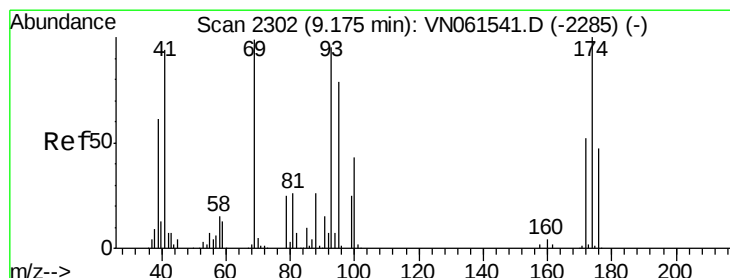
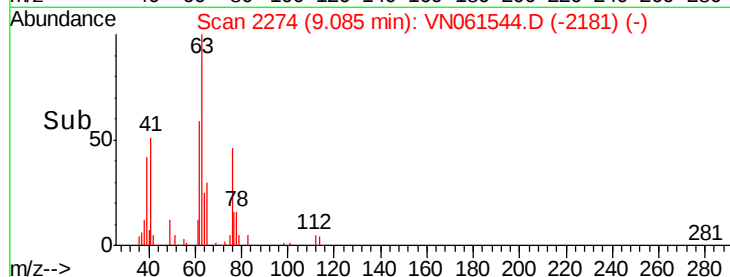
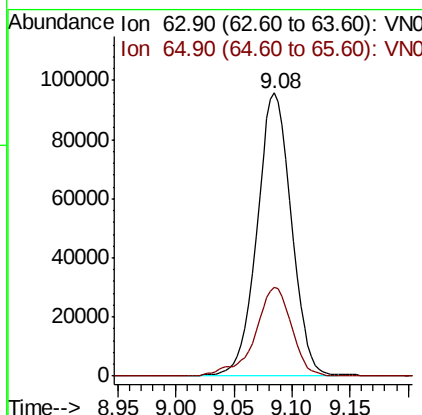
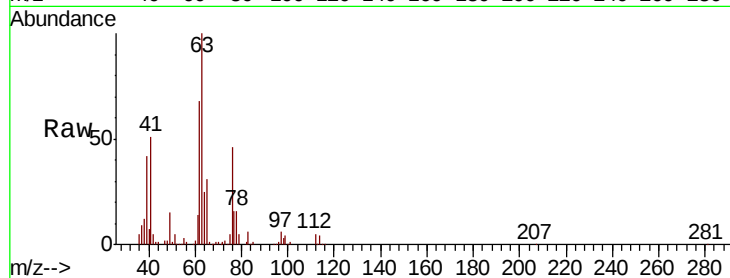




#45
 1,2-Dichloropropane
 Concen: 50.471 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

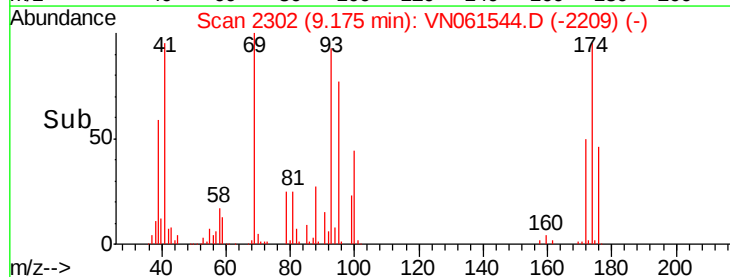
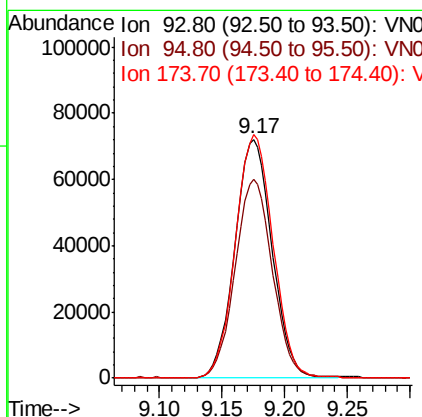
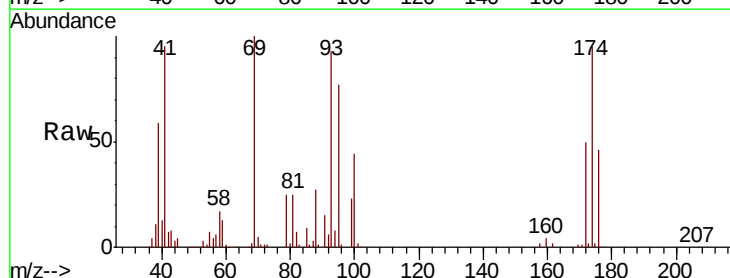
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion: 63 Resp: 197659
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1



#46
 Dibromomethane
 Concen: 49.713 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 93 Resp: 149318
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.0 99.0
 174 103.2 82.5 123.7





#47

Bromodichloromethane

Concen: 51.010 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

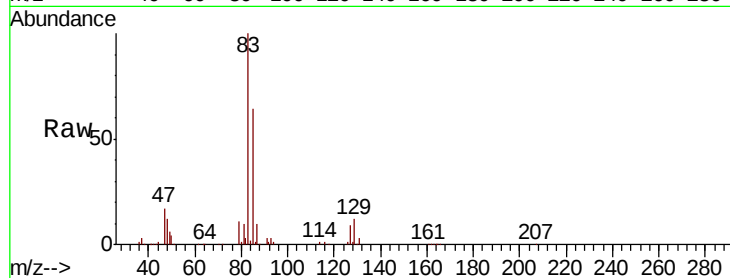
Tot Ion: 83 Resp: 303550

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

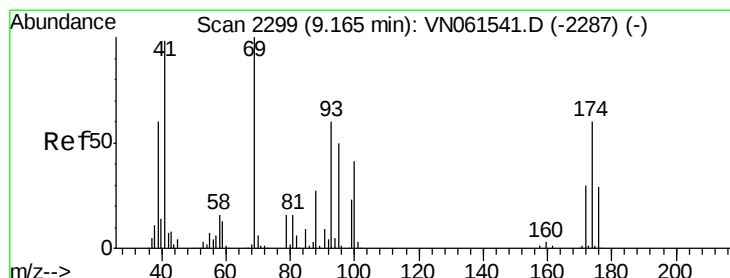
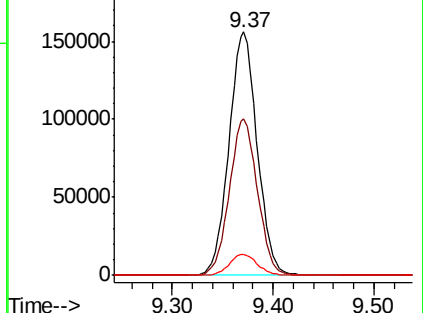
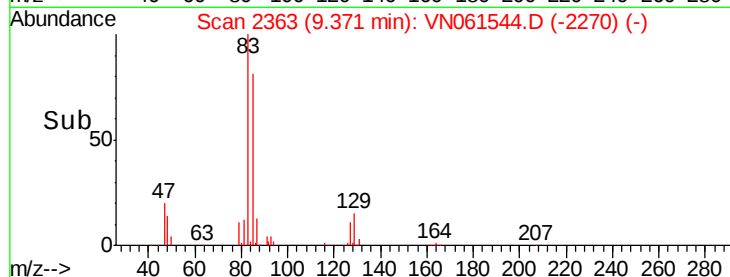
127 8.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN061544.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061544.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061544.D (-2270) (-)



#48

Methyl methacrylate

Concen: 48.699 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

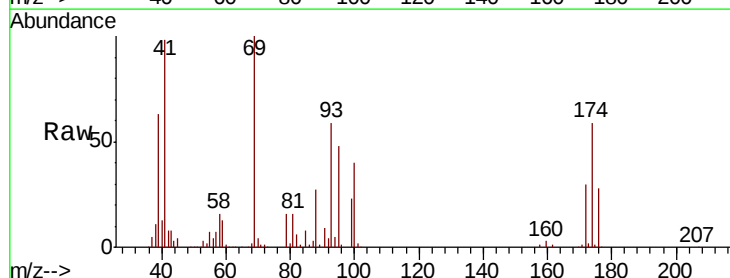
Tgt Ion: 41 Resp: 169714

Ion Ratio Lower Upper

41 100

69 105.6 83.9 125.9

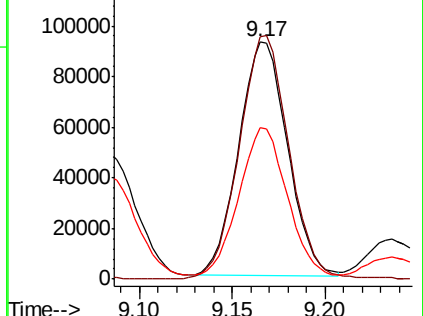
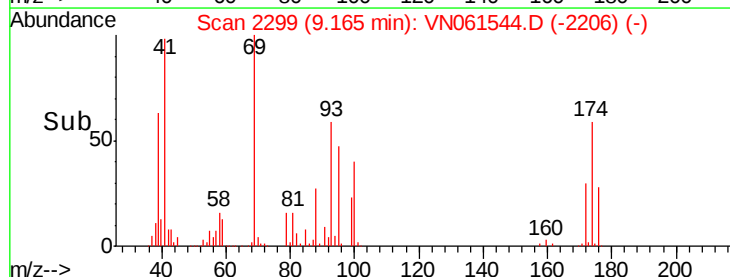
39 64.9 52.1 78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061544.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061544.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061544.D (-2206) (-)

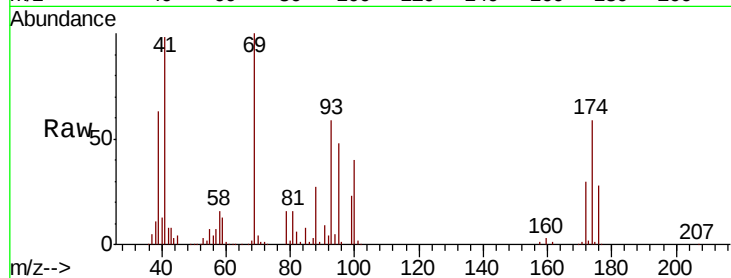




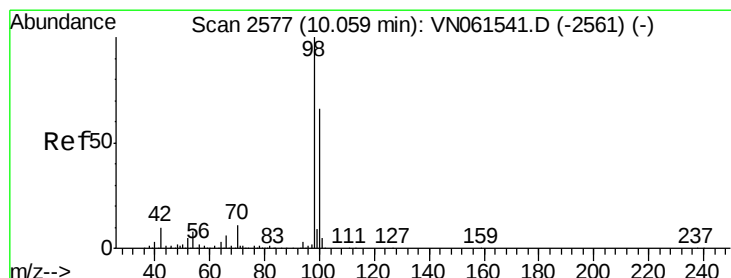
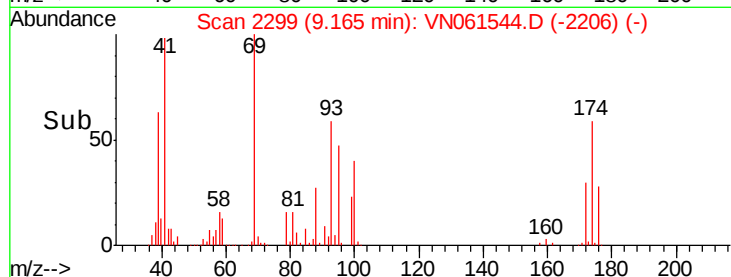
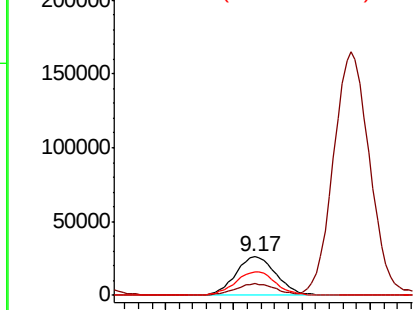
#49
 1,4-Dioxane
 Concen: 1001.322 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion: 88 Resp: 54059
 Ion Ratio Lower Upper
 88 100
 43 28.3 23.1 34.7
 58 60.4 48.3 72.5

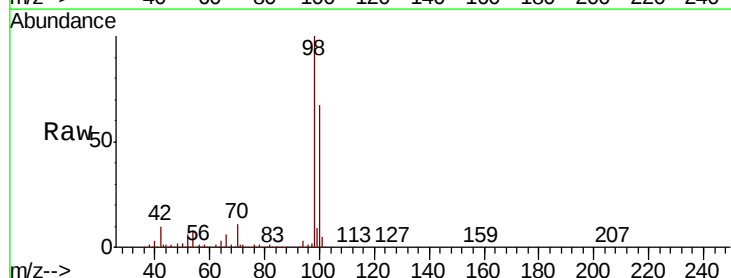


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

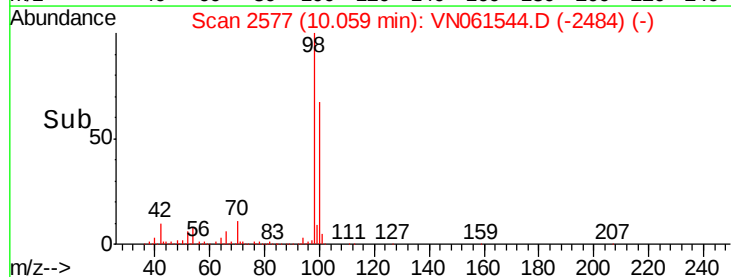
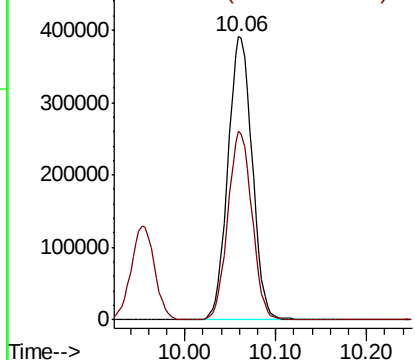


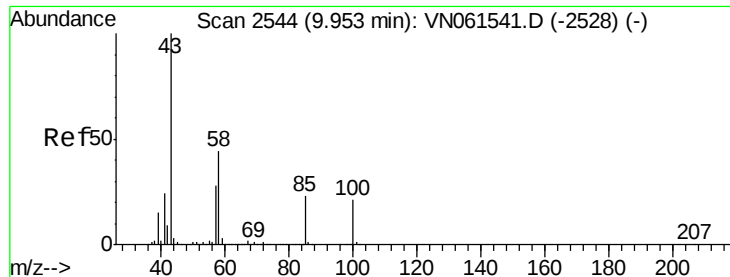
#50
 Toluene-d8
 Concen: 50.979 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 98 Resp: 723623
 Ion Ratio Lower Upper
 98 100
 100 66.1 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: 256.238 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

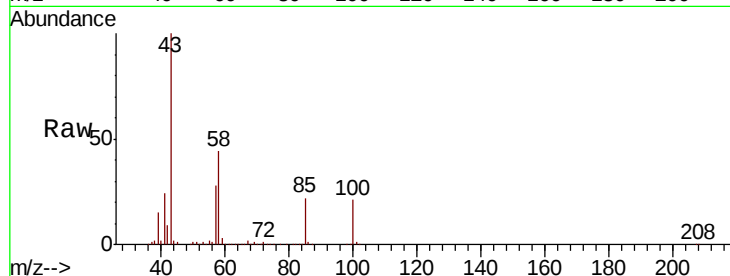
ICVVN052820

Tot Ion: 43 Resp: 1118463

Ion Ratio Lower Upper

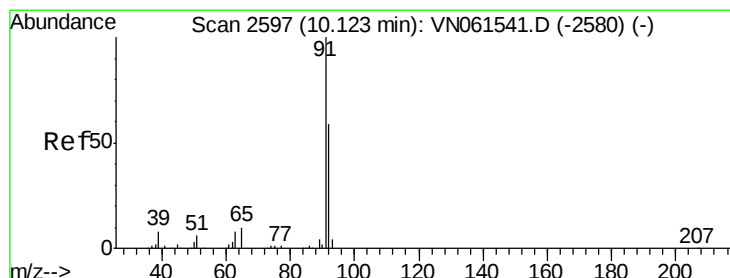
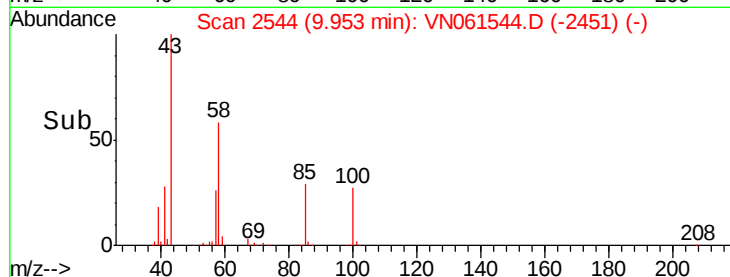
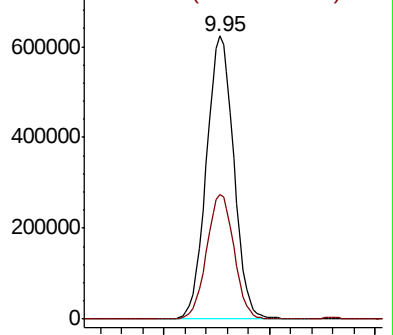
43 100

58 44.2 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.137 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061544.D

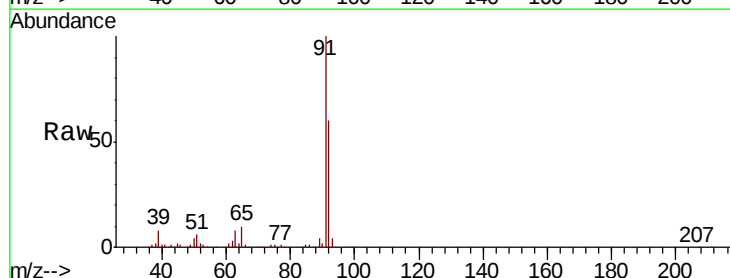
Acq: 28 May 2020 20:29

Tgt Ion: 92 Resp: 550469

Ion Ratio Lower Upper

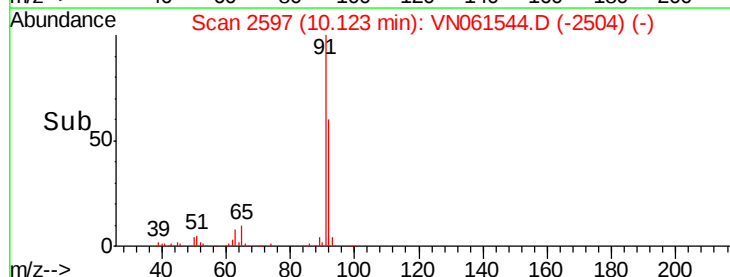
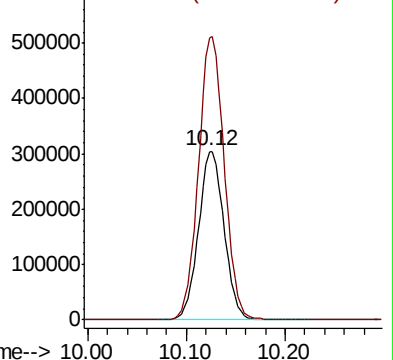
92 100

91 170.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.025 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

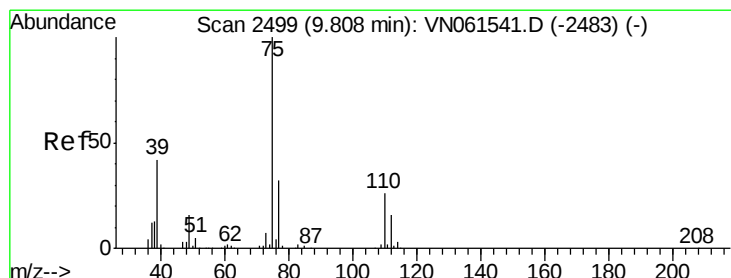
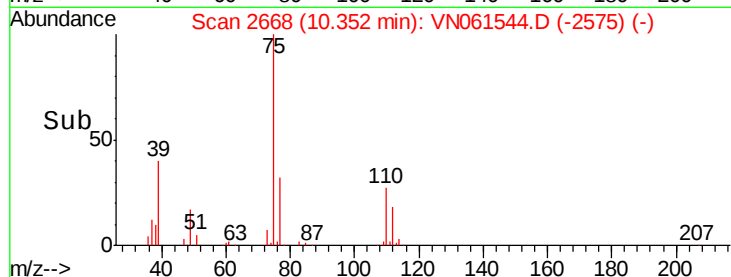
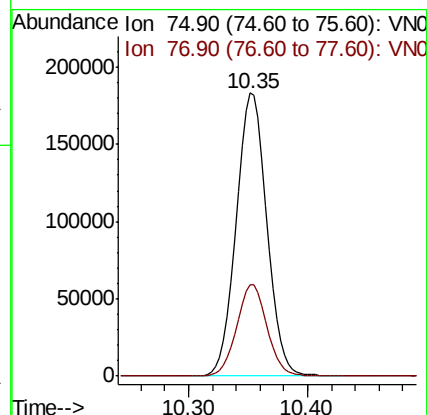
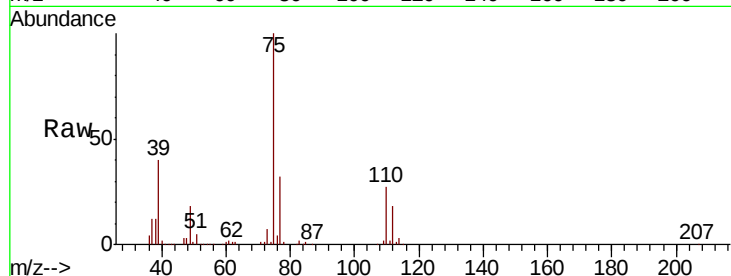
ICVVN052820

Tot Ion: 75 Resp: 327096

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 50.506 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

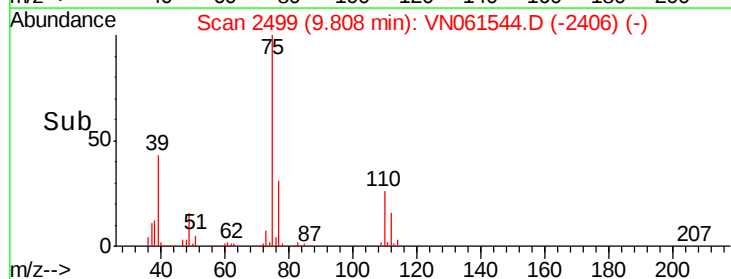
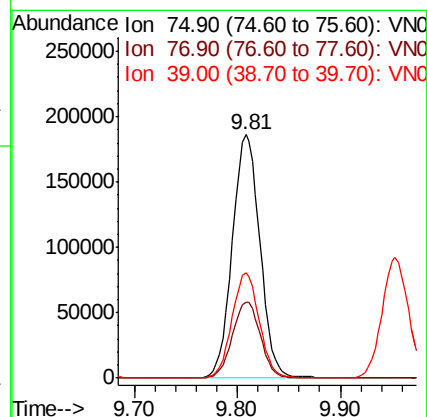
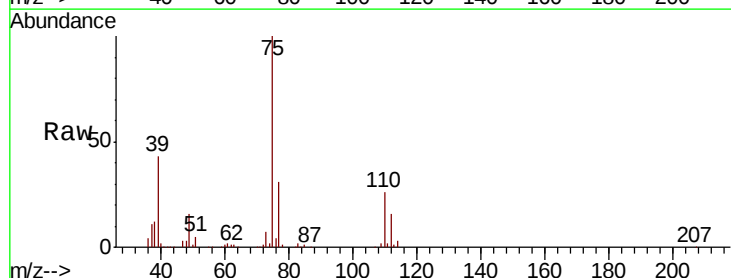
Tgt Ion: 75 Resp: 348129

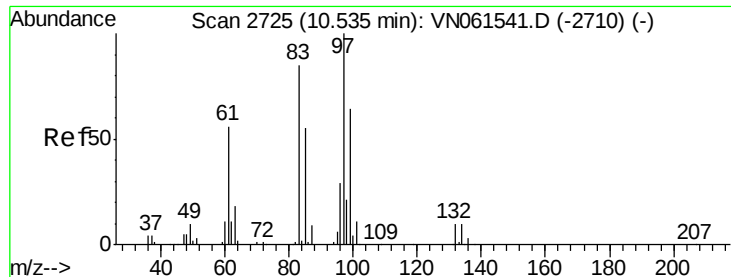
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

39 43.3 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 50.418 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

Tot Ion: 97 Resp: 216226

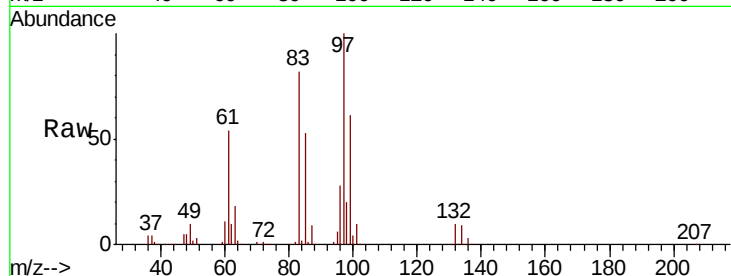
Ion Ratio Lower Upper

97 100

83 82.0 68.1 102.1

85 52.6 44.1 66.1

99 61.4 51.1 76.7

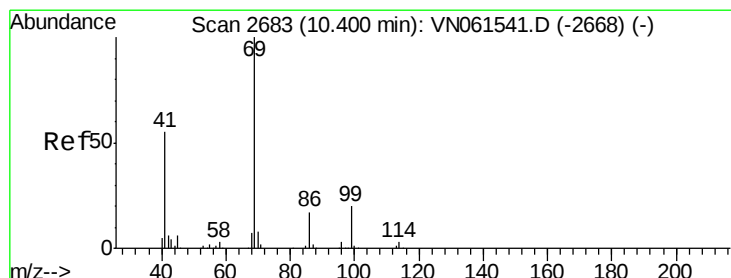
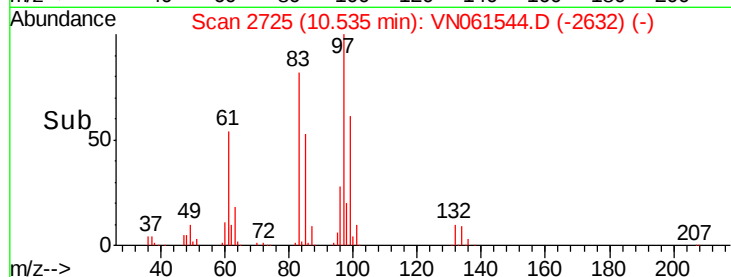
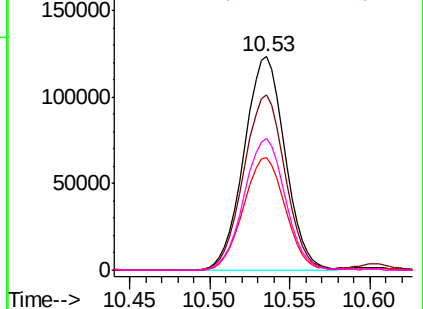


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.387 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

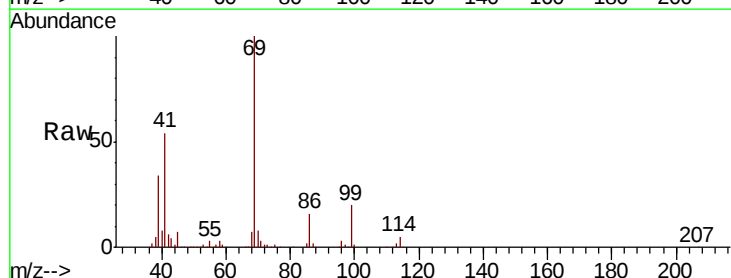
Tgt Ion: 69 Resp: 313846

Ion Ratio Lower Upper

69 100

41 53.8 43.5 65.3

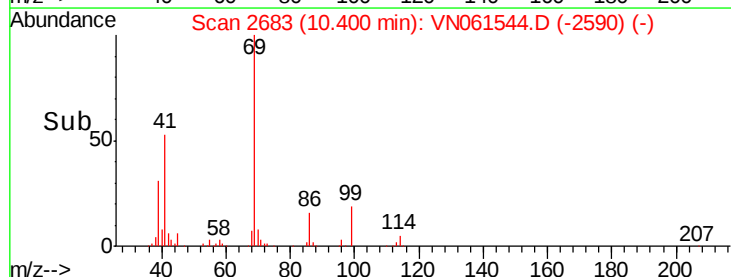
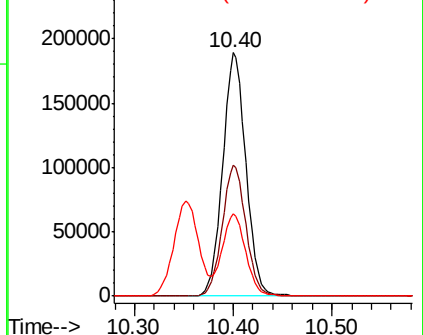
39 33.9 27.0 40.6

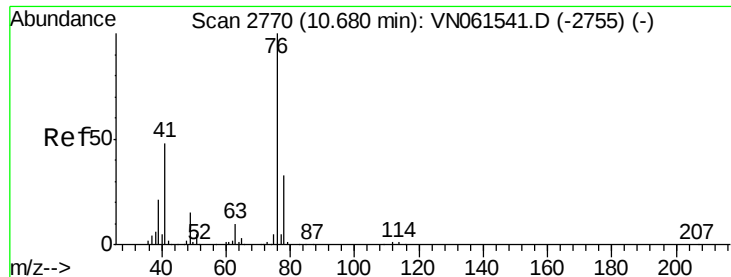


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

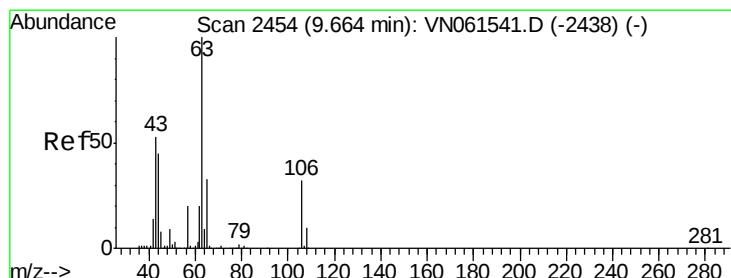
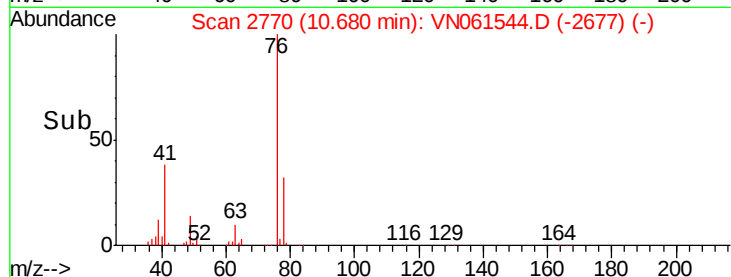
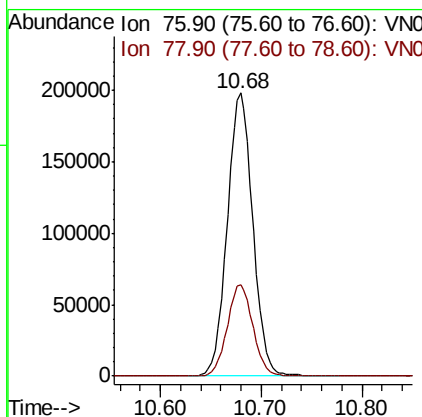
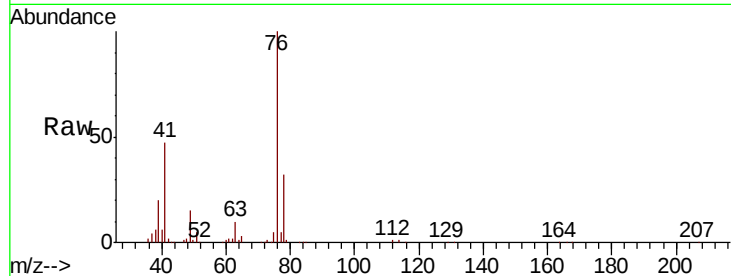




#57
 1,3-Dichloropropane
 Concen: 50.856 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

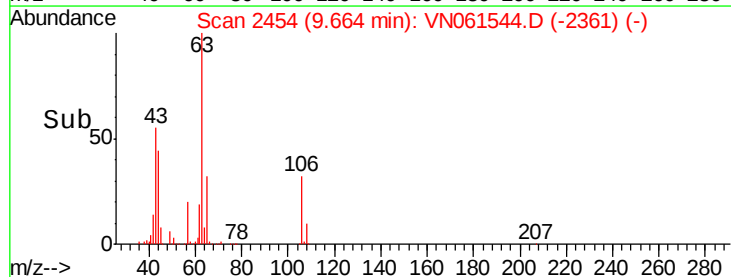
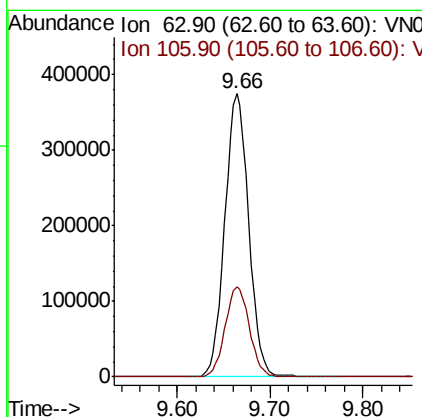
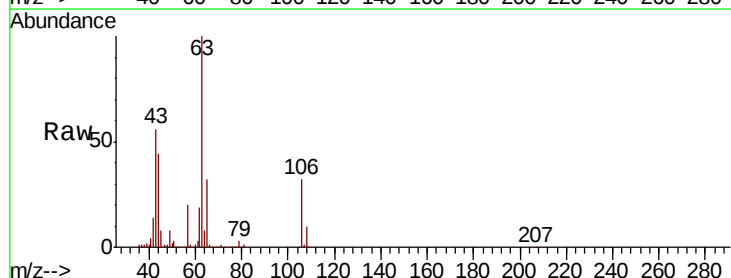
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

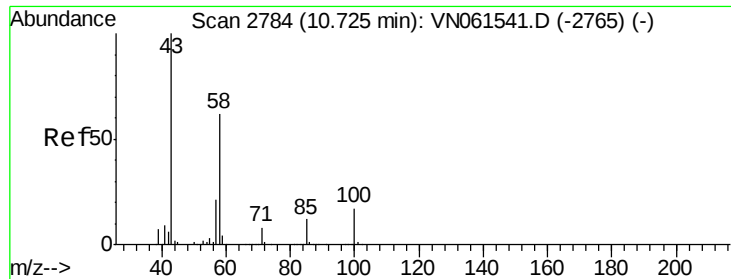
Tot Ion: 76 Resp: 348831
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.285 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 63 Resp: 668939
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.9 38.9

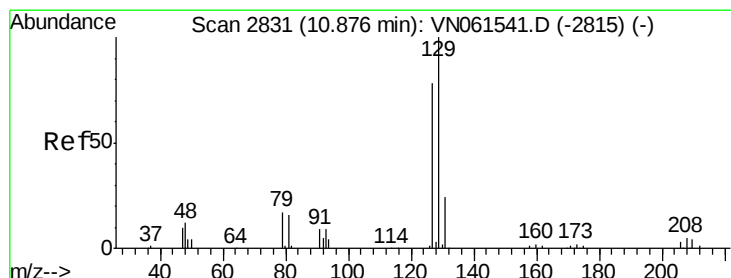
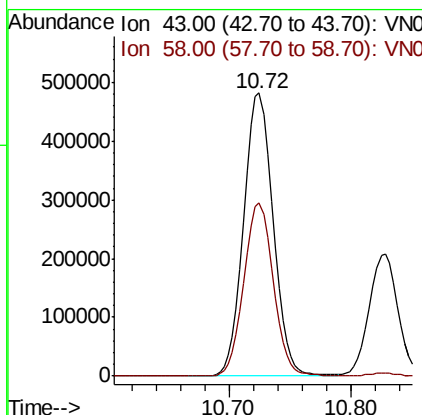
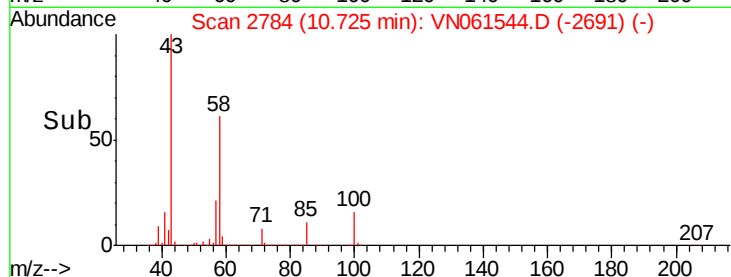
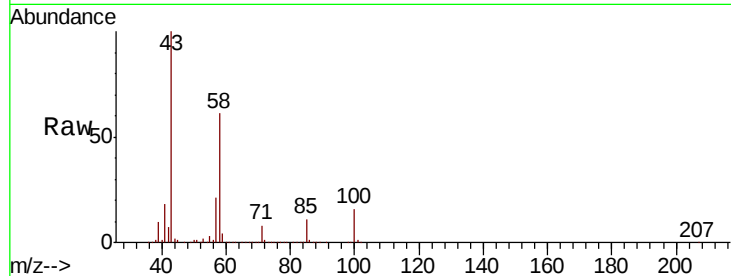




#59
2-Hexanone
Concen: 255.747 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

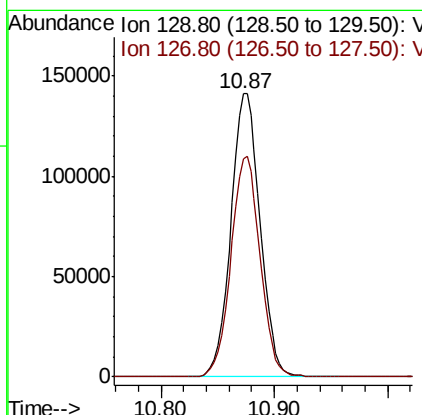
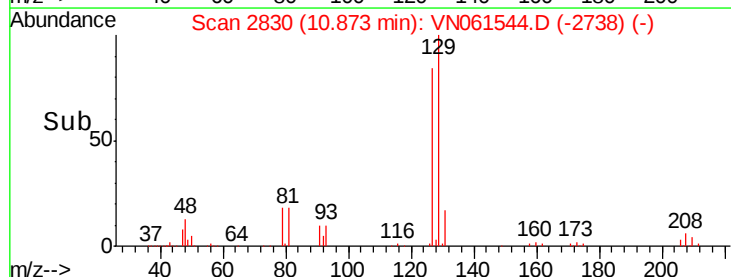
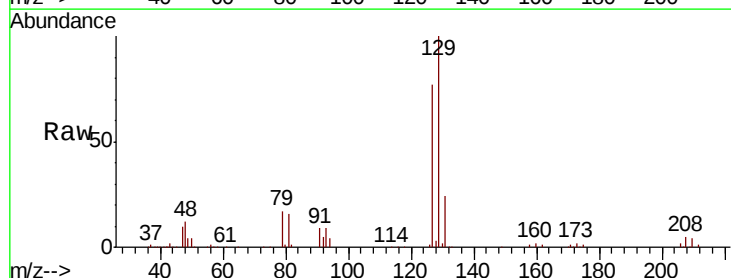
Instrument :
MSVOA_N
ClientSampled :
ICVVN052820

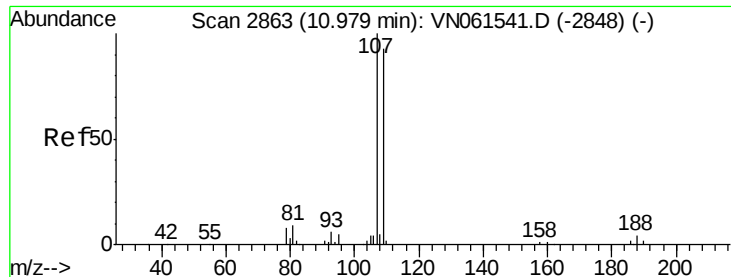
Tot Ion: 43 Resp: 801710
Ion Ratio Lower Upper
43 100
58 61.3 30.7 92.1



#60
Dibromochloromethane
Concen: 51.984 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 129 Resp: 253454
Ion Ratio Lower Upper
129 100
127 77.9 38.8 116.3

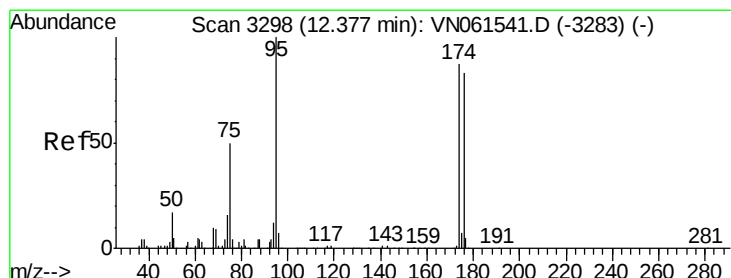
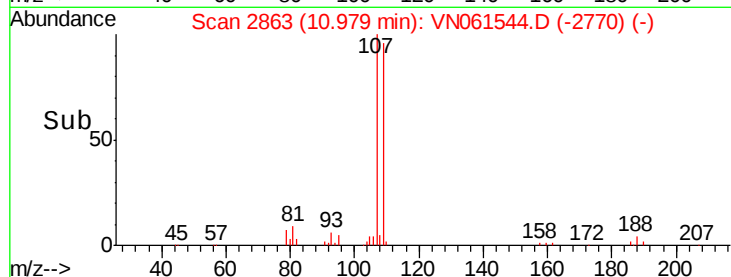
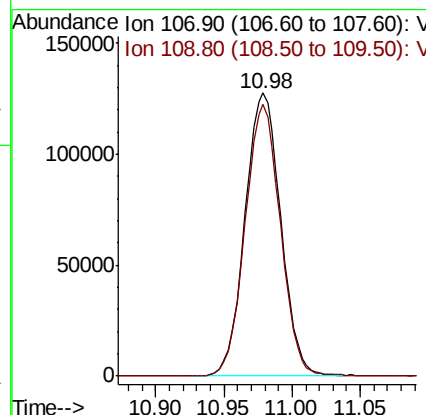
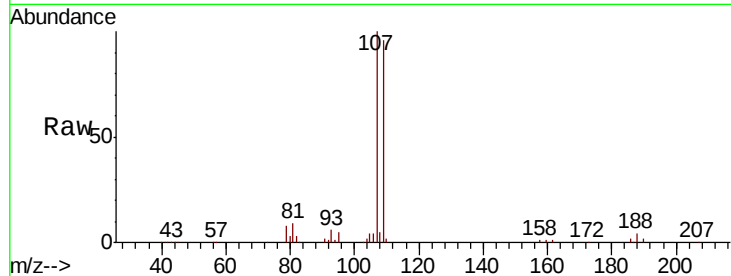




#61
 1,2-Dibromoethane
 Concen: 51.869 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

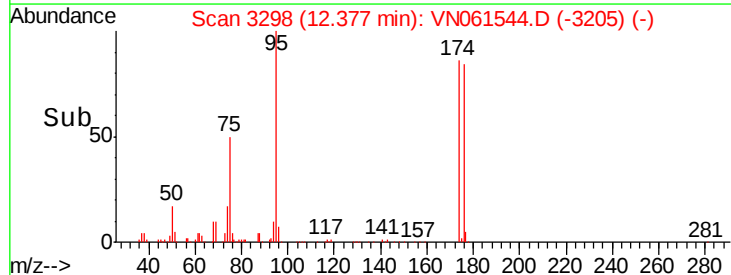
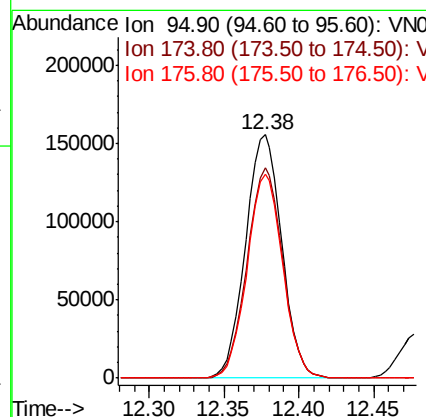
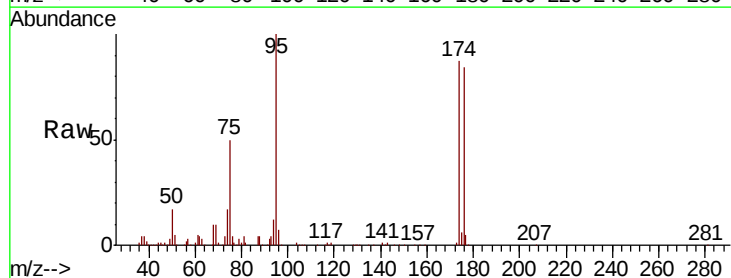
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

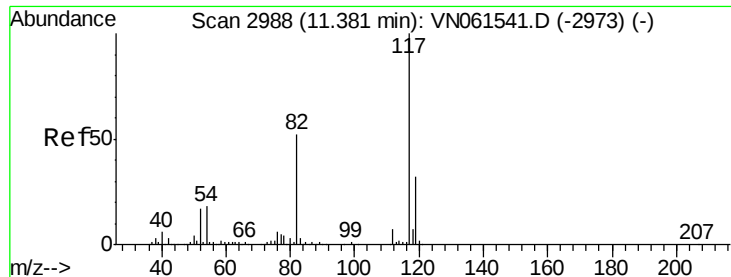
Tot Ion:107 Resp: 232005
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 50.564 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion: 95 Resp: 261853
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 172.8
 176 82.5 0.0 164.8

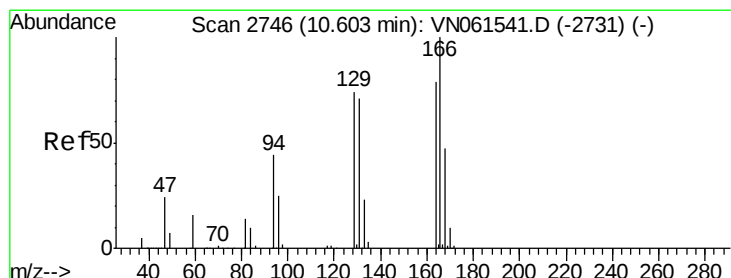
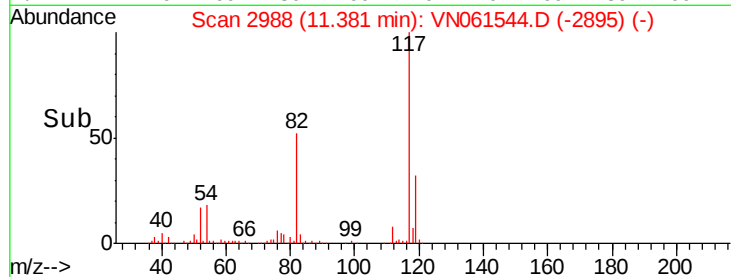
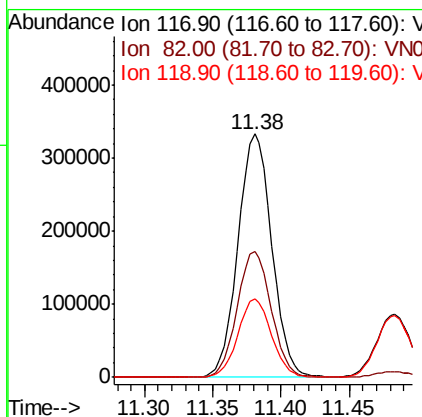
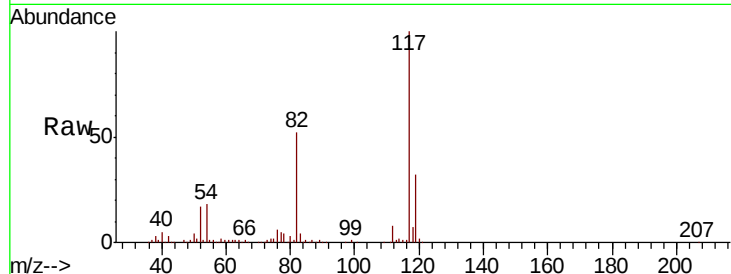




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

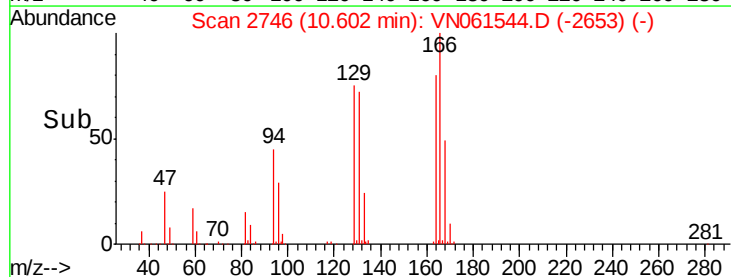
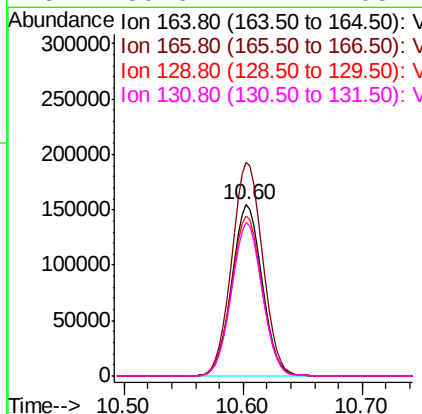
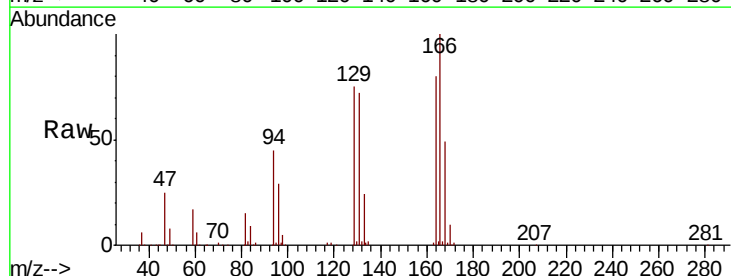
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

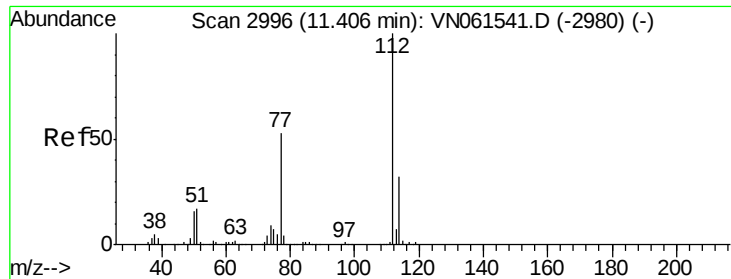
Tot Ion:117 Resp: 573432
Ion Ratio Lower Upper
117 100
82 52.0 41.5 62.3
119 32.3 25.6 38.4



#64
Tetrachloroethene
Concen: 50.899 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion:164 Resp: 274742
Ion Ratio Lower Upper
164 100
166 125.0 101.5 152.3
129 93.7 74.9 112.3
131 89.6 72.2 108.2

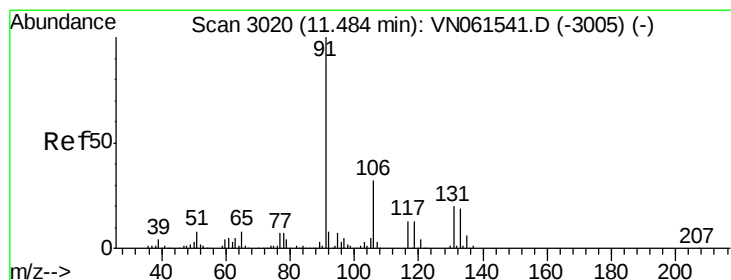
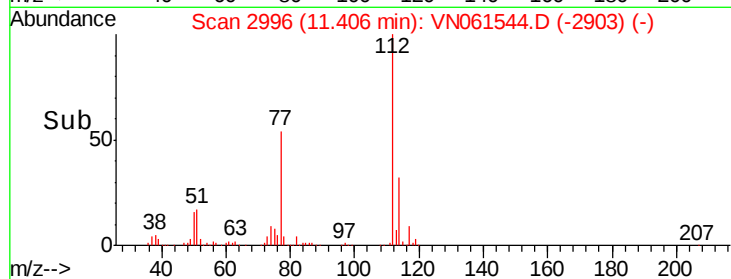
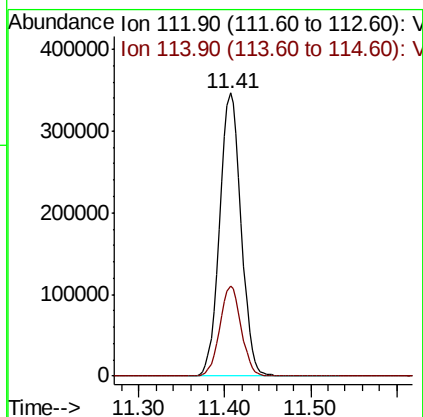
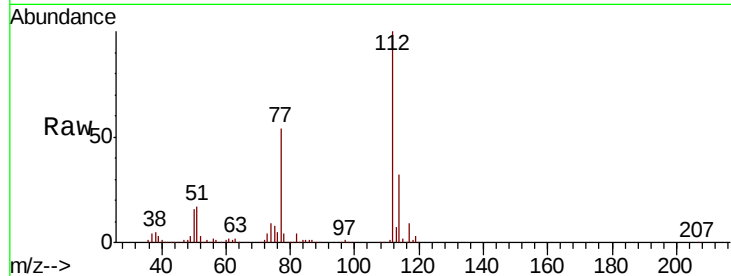




#65
Chlorobenzene
Concen: 50.318 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

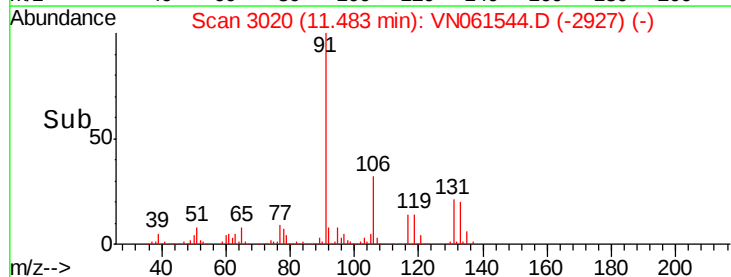
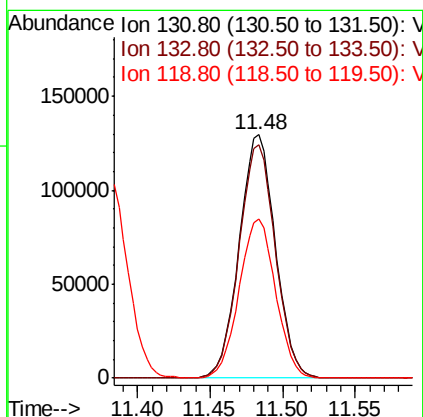
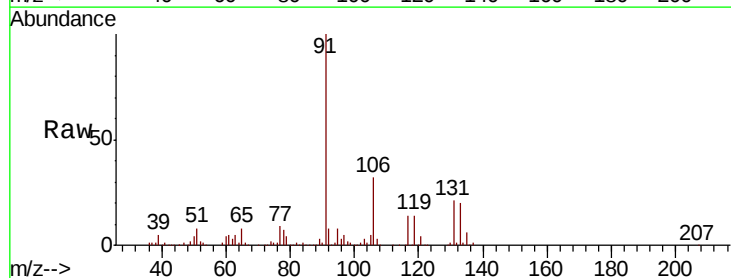
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

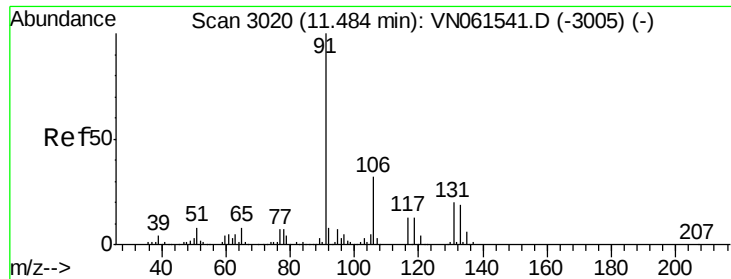
Tot Ion:112 Resp: 599770
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 50.535 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion:131 Resp: 224288
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.2
119 66.0 32.6 97.8

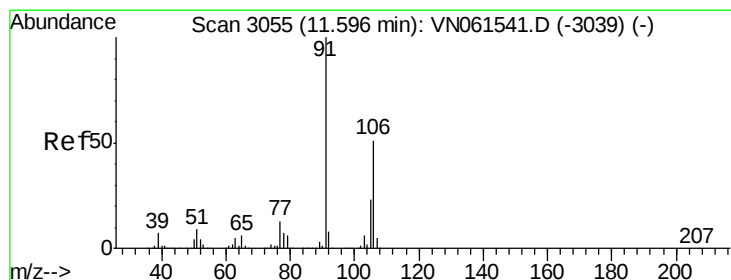
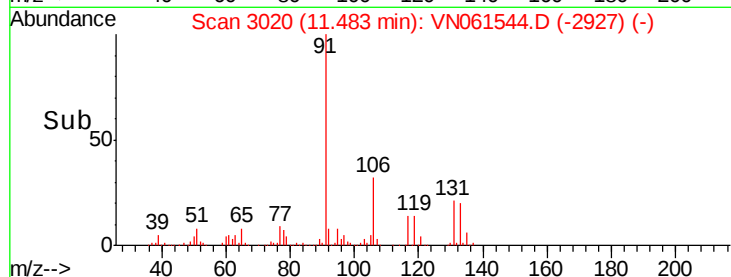
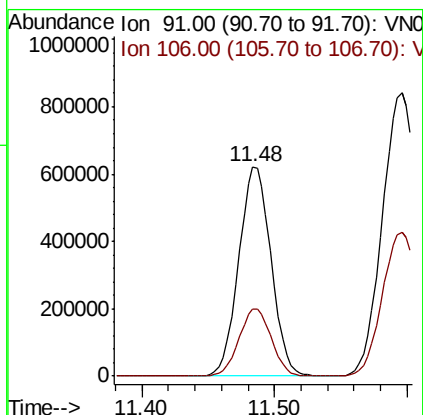
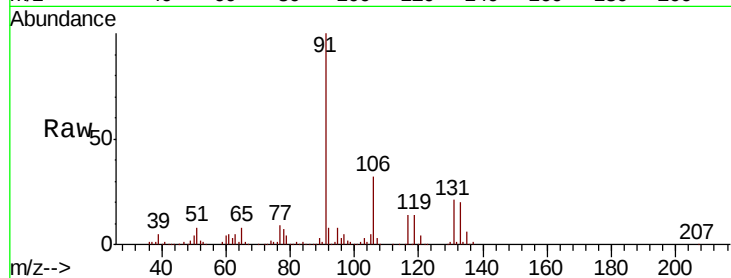




#67
Ethyl Benzene
Concen: 50.955 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

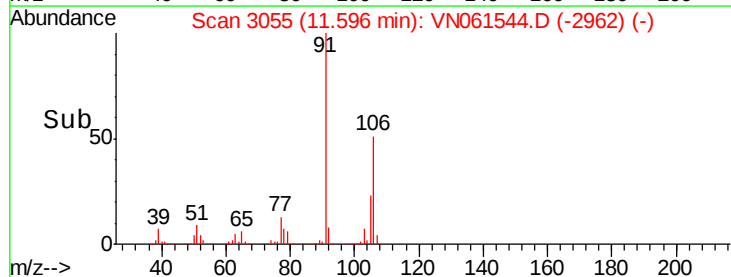
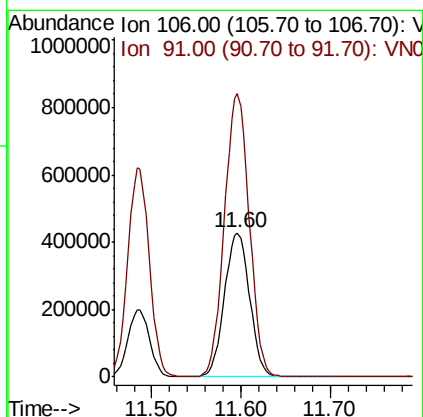
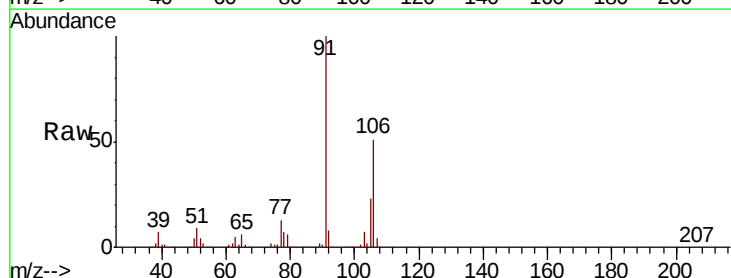
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

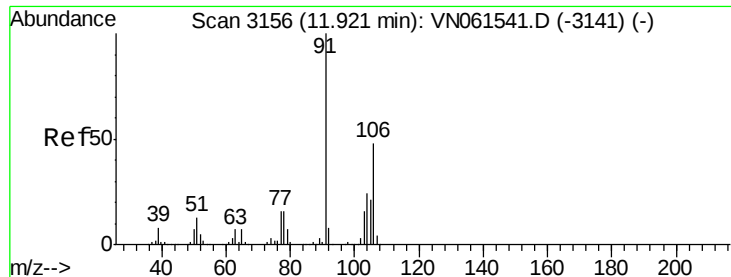
Tot Ion: 91 Resp: 1049755
Ion Ratio Lower Upper
91 100
106 32.3 25.6 38.4



#68
m/p-Xylenes
Concen: 102.226 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion: 106 Resp: 835045
Ion Ratio Lower Upper
106 100
91 193.9 156.2 234.4

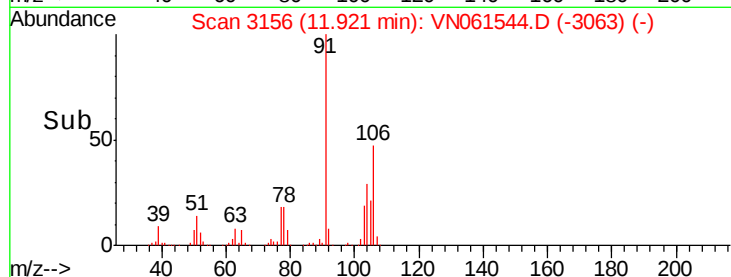
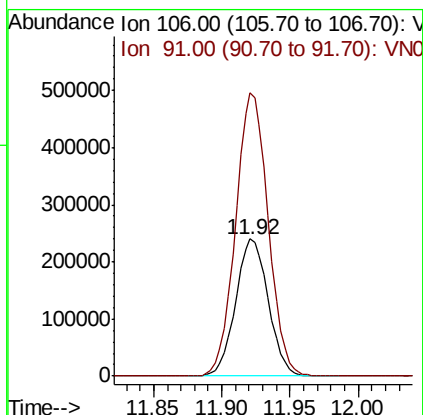
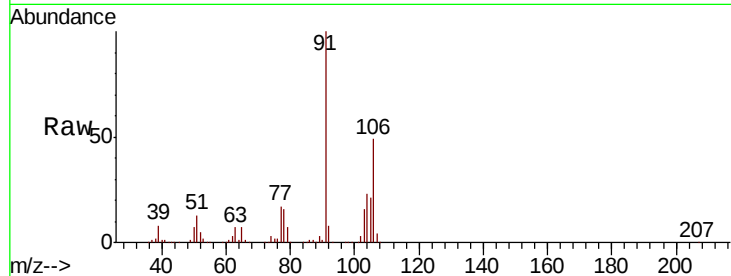




#69
o-Xylene
Concen: 51.350 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

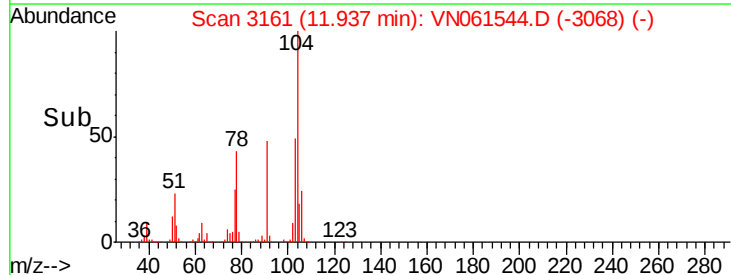
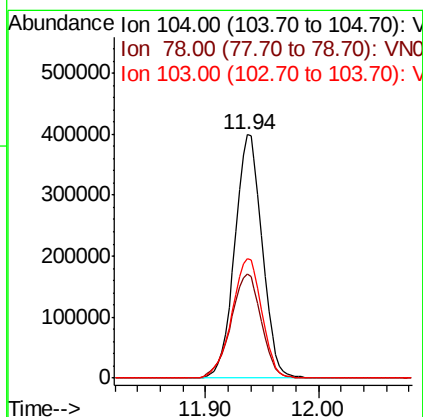
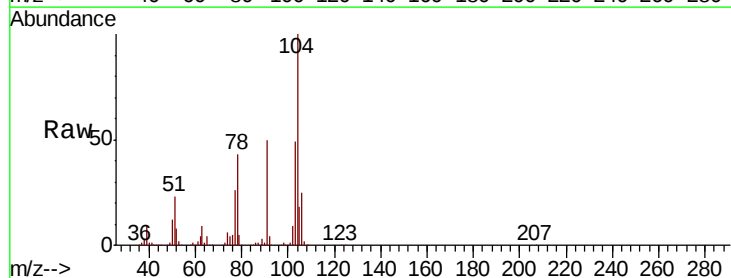
Instrument :
MSVOA_N
ClientSampled :
ICVVN052820

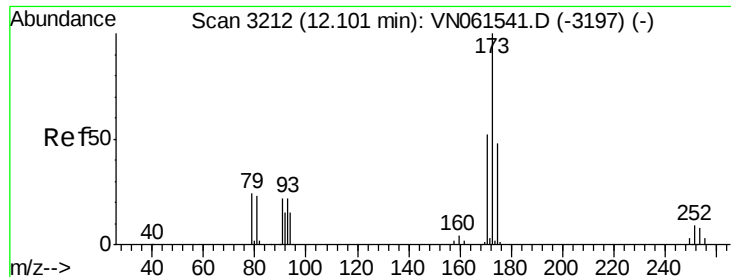
Tot Ion:106 Resp: 398405
Ion Ratio Lower Upper
106 100
91 205.9 103.3 309.8



#70
Styrene
Concen: 52.475 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion:104 Resp: 674231
Ion Ratio Lower Upper
104 100
78 47.4 37.4 56.0
103 53.9 42.3 63.5





#71

Bromoform

Concen: 52.286 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampled :

ICVVN052820

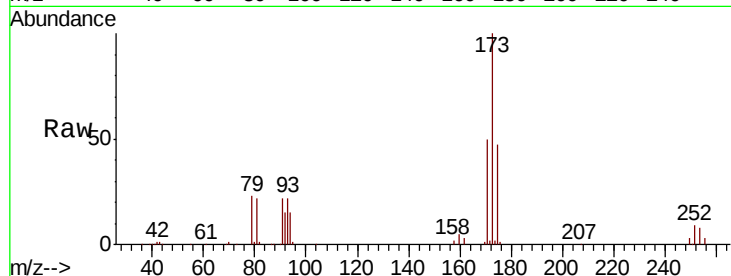
Tot Ion:173 Resp: 178814

Ion Ratio Lower Upper

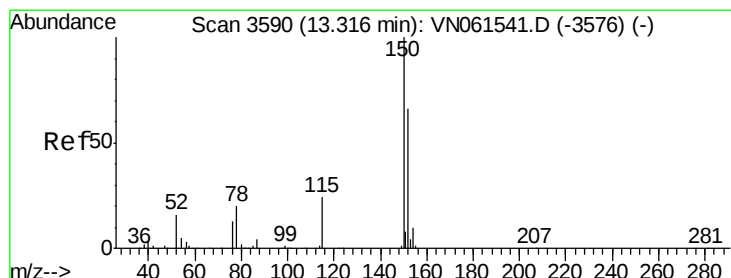
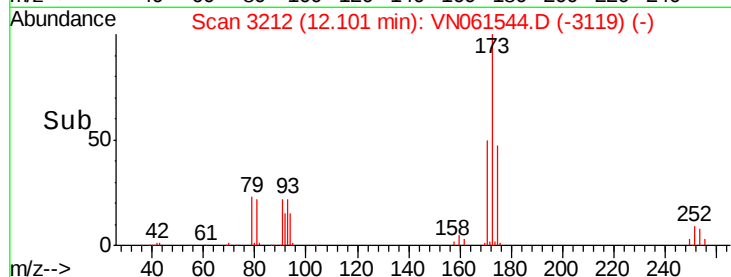
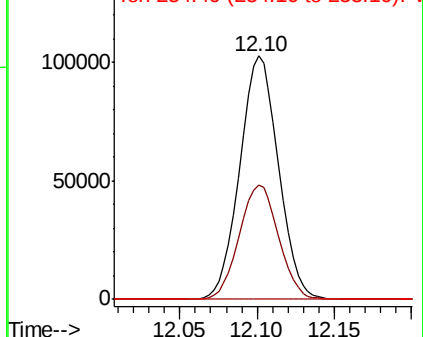
173 100

175 47.7 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: VN061544.D

Acq: 28 May 2020 20:29

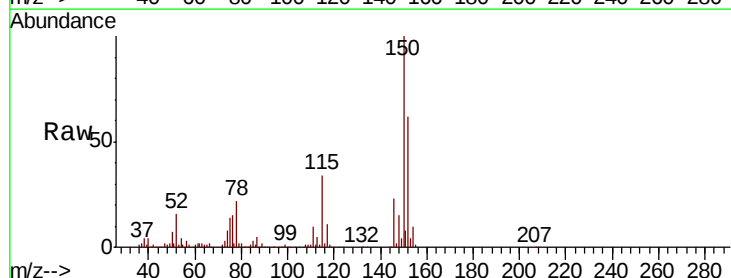
Tgt Ion:152 Resp: 290661

Ion Ratio Lower Upper

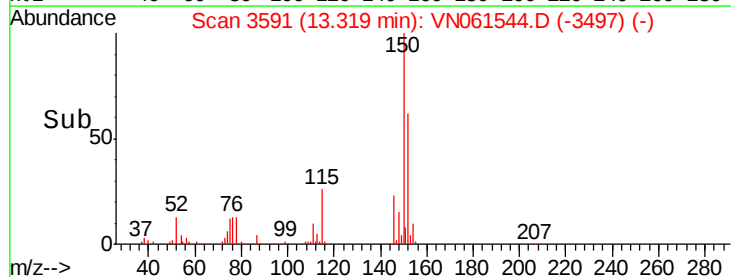
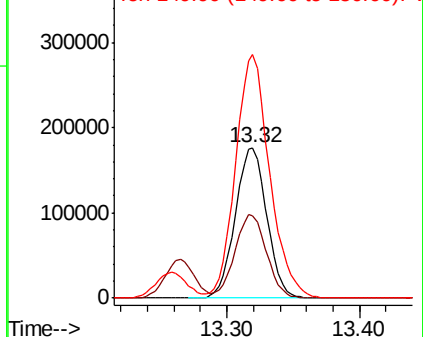
152 100

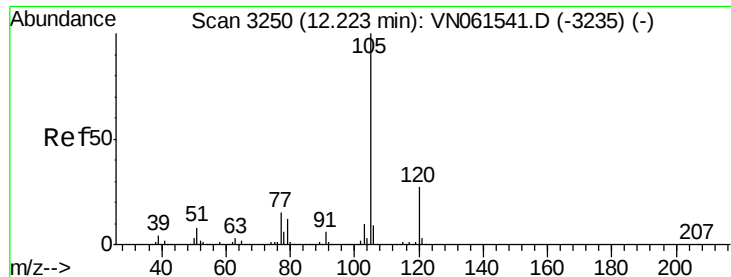
115 55.5 28.0 84.0

150 174.7 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: 49.674 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

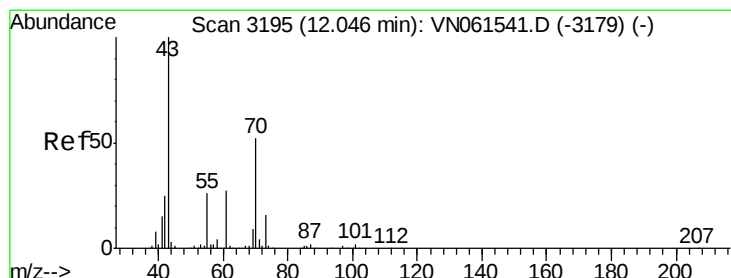
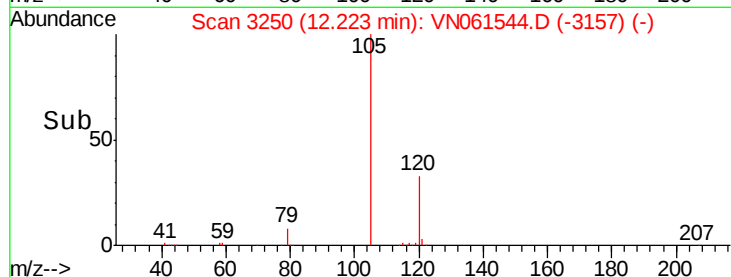
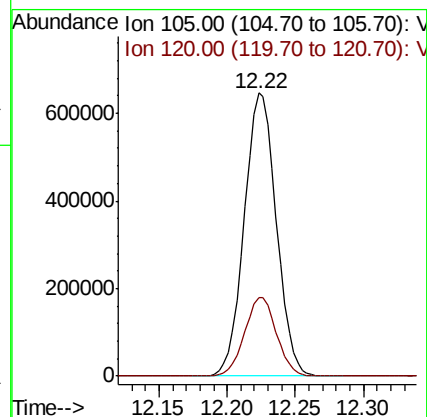
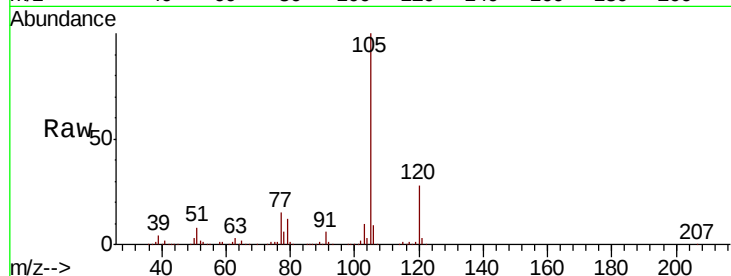
ICVVN052820

Tot Ion:105 Resp: 1053803

Ion Ratio Lower Upper

105 100

120 27.6 13.8 41.3



#74

N-ethyl acetate

Concen: 51.081 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Tgt Ion: 43 Resp: 341269

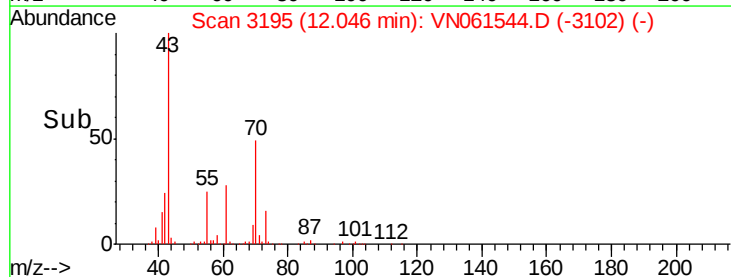
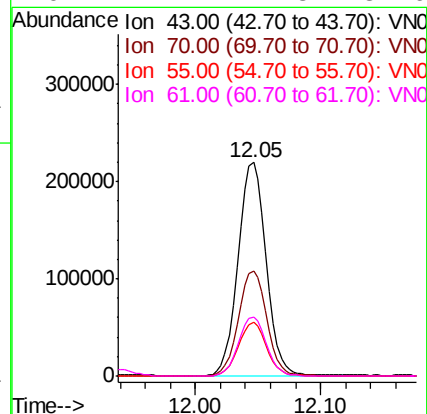
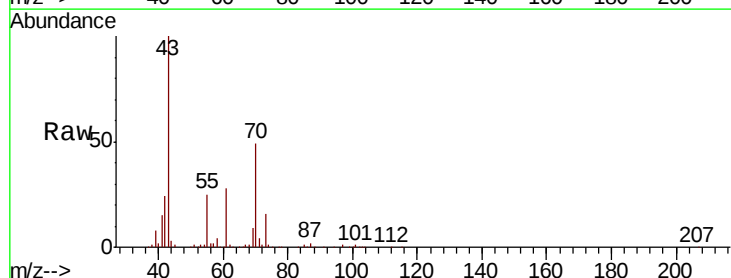
Ion Ratio Lower Upper

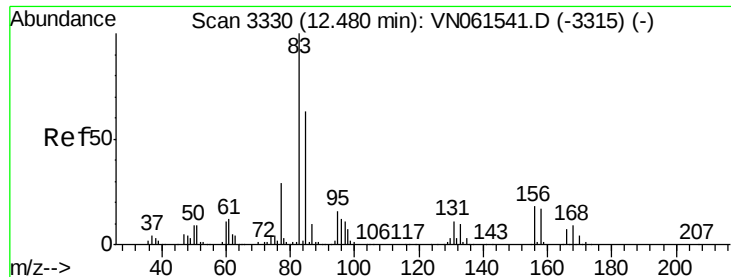
43 100

70 50.2 40.5 60.7

55 25.4 20.6 31.0

61 27.7 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.129 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVO52820

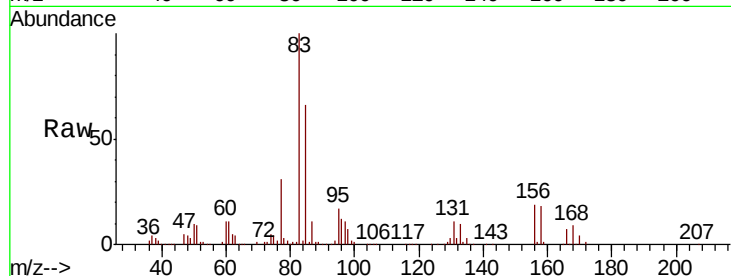
Tot Ion: 83 Resp: 286128

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.5

85 64.6 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)

12.48

200000

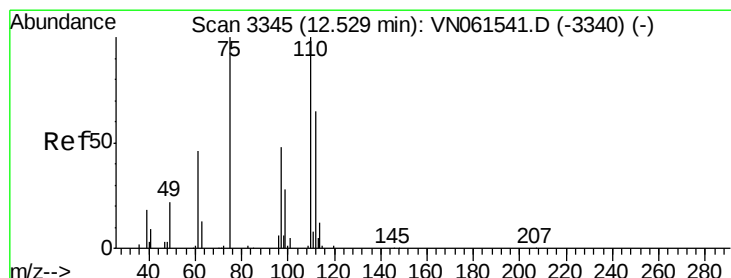
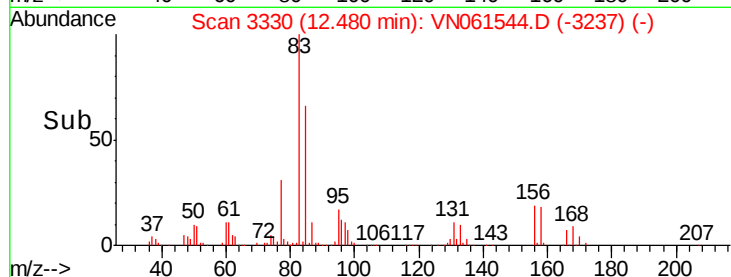
150000

100000

50000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 71.127 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061544.D

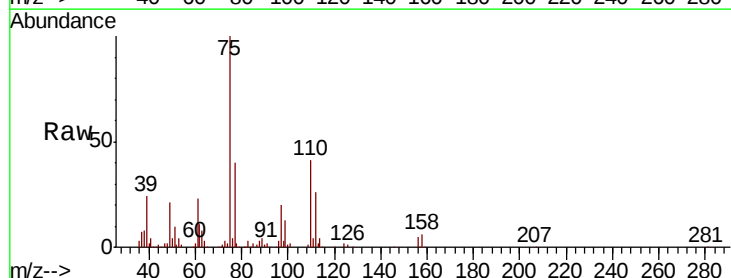
Acq: 28 May 2020 20:29

Tgt Ion: 75 Resp: 375929

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)

250000

200000

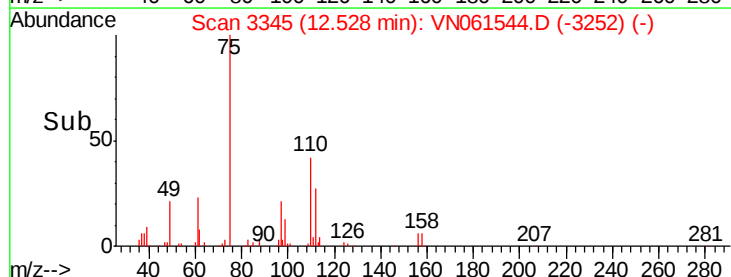
150000

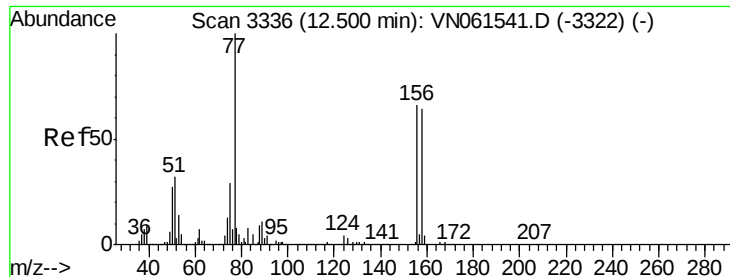
100000

50000

0

Time--> 12.40 12.50 12.60





#77

Bromobenzene

Concen: 49.754 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

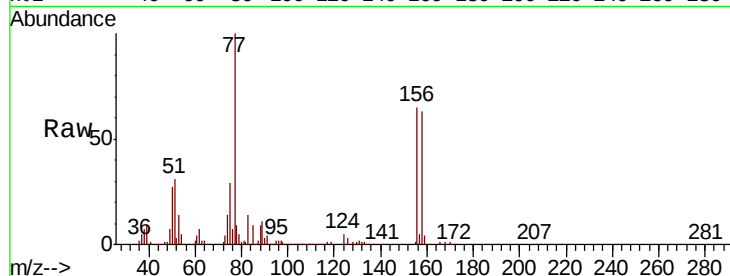
Tot Ion:156 Resp: 269424

Ion Ratio Lower Upper

156 100

77 182.8 90.9 272.7

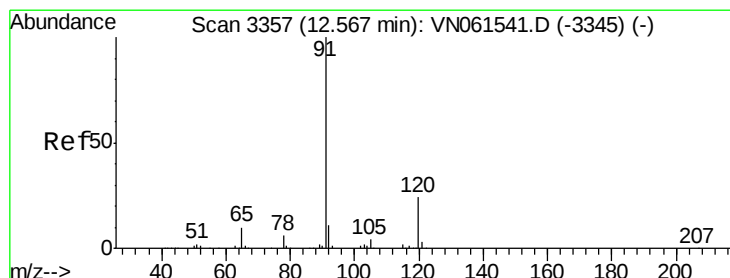
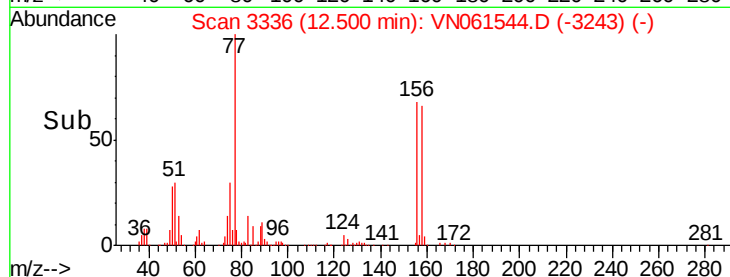
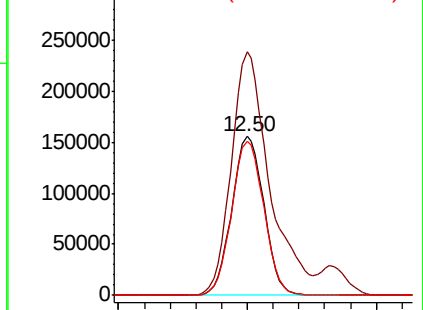
158 97.3 48.4 145.3



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: 49.599 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN061544.D

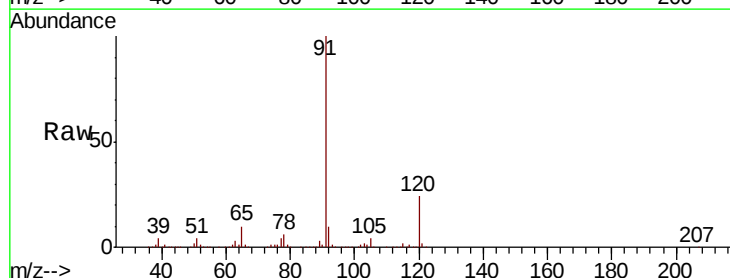
Acq: 28 May 2020 20:29

Tgt Ion: 91 Resp: 1174681

Ion Ratio Lower Upper

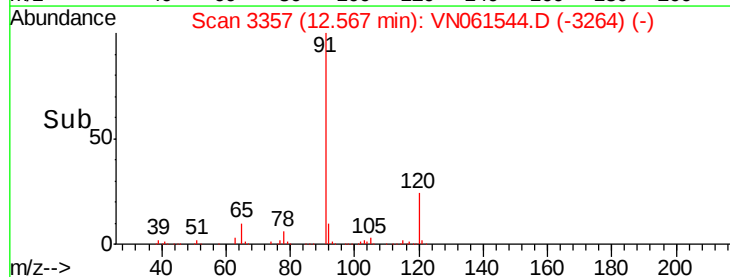
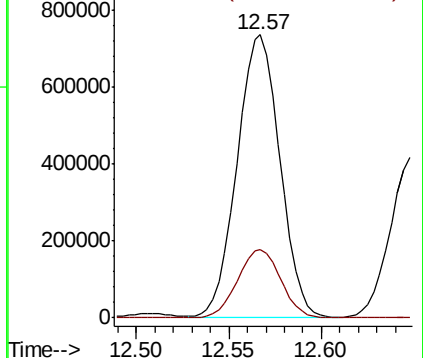
91 100

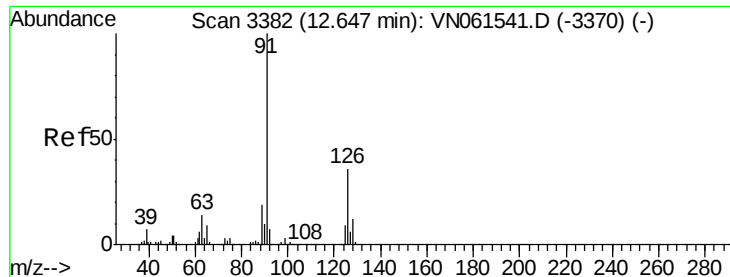
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.748 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

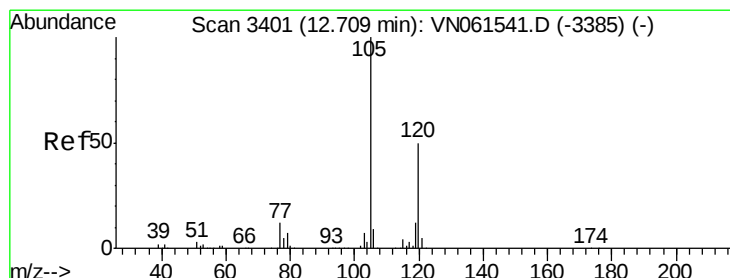
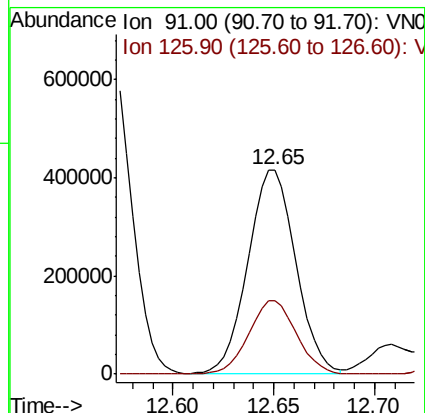
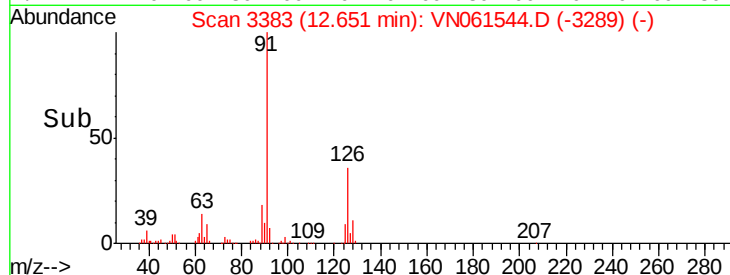
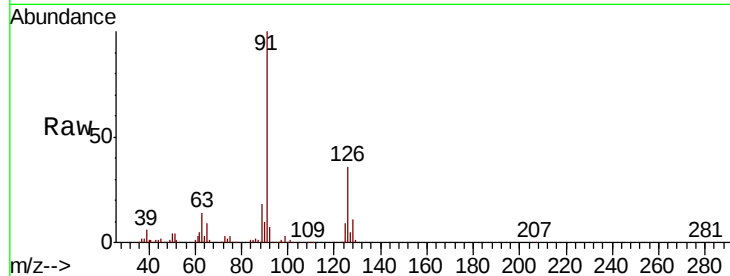
ICVVN052820

Tot Ion: 91 Resp: 688412

Ion Ratio Lower Upper

91 100

126 36.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 50.200 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061544.D

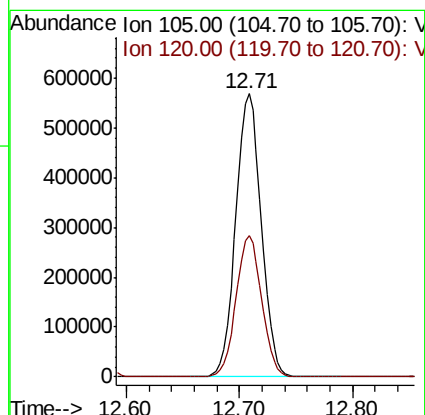
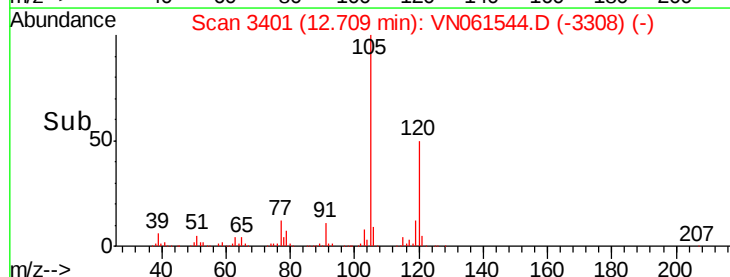
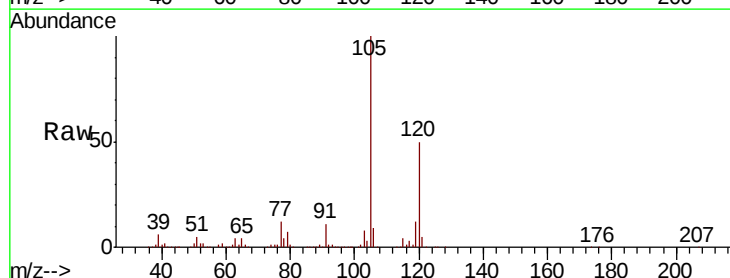
Acq: 28 May 2020 20:29

Tgt Ion:105 Resp: 890122

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.439 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

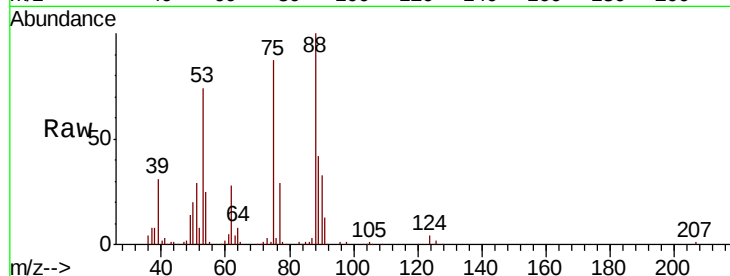
Tot Ion: 75 Resp: 100114

Ion Ratio Lower Upper

75 100

53 86.0 67.8 101.8

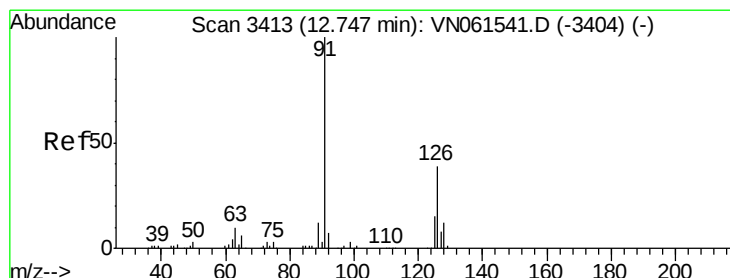
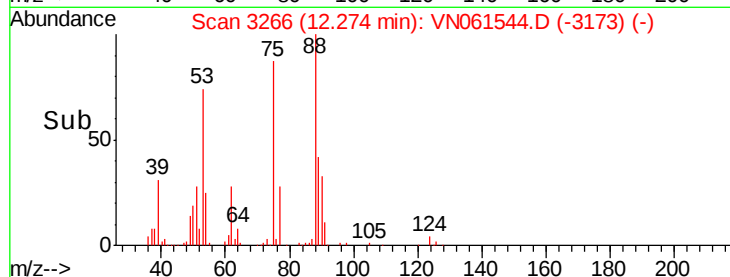
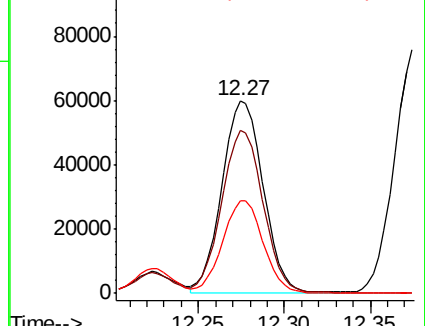
89 47.6 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061541.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061541.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 48.786 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061544.D

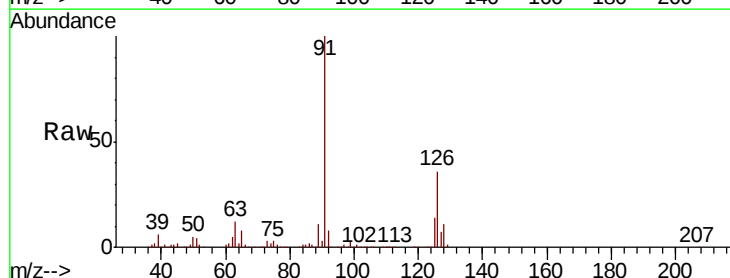
Acq: 28 May 2020 20:29

Tgt Ion: 91 Resp: 724785

Ion Ratio Lower Upper

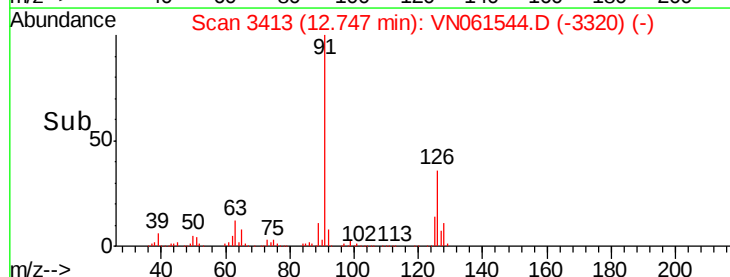
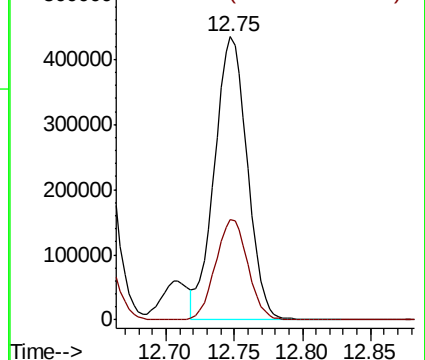
91 100

126 35.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3404) (-)

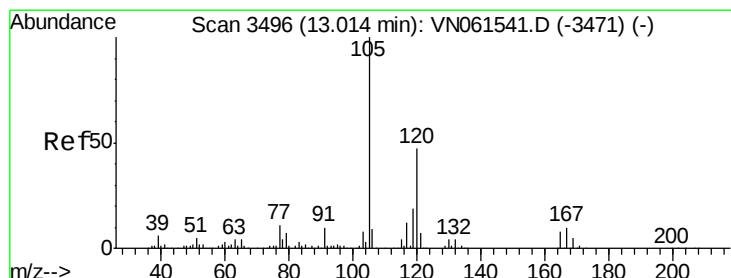
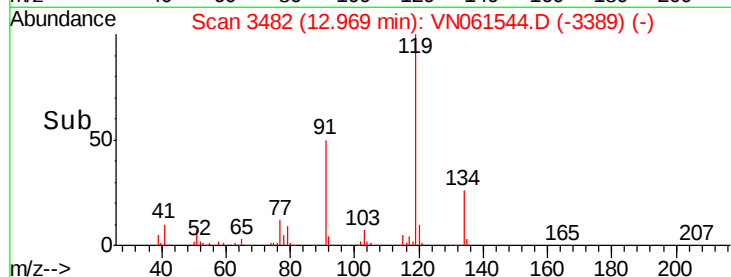
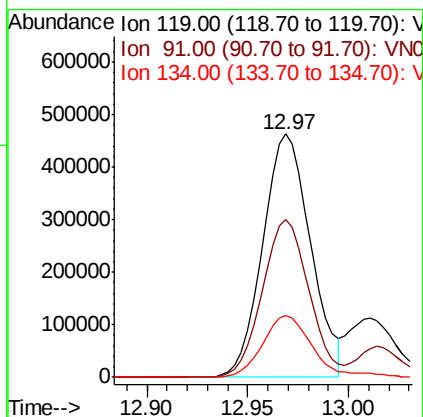
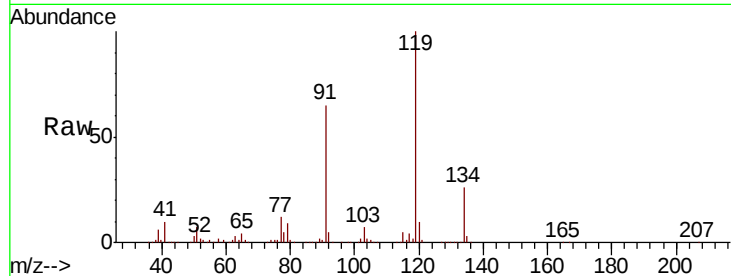




#83
tert-Butylbenzene
Concen: 48.792 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

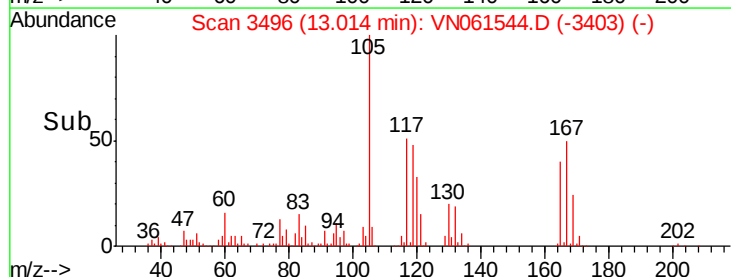
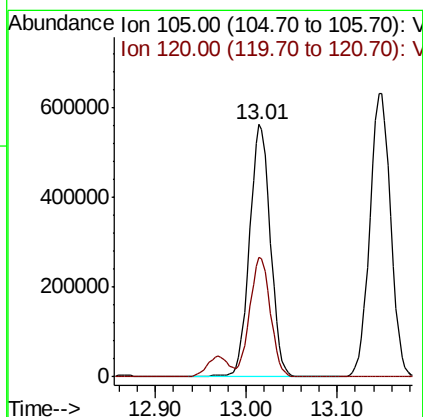
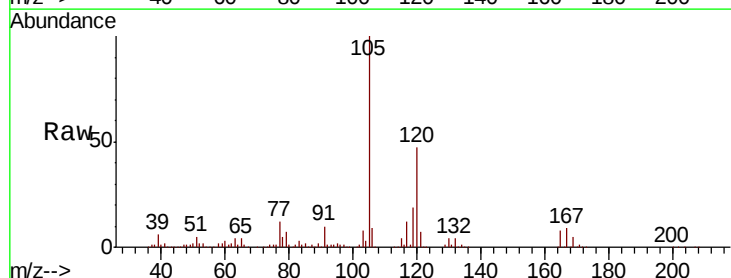
Instrument :
MSVOA_N
ClientSampleId :
ICVVN052820

Tot Ion:119 Resp: 764405
Ion Ratio Lower Upper
119 100
91 63.2 31.3 93.8
134 26.6 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 50.897 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061544.D
Acq: 28 May 2020 20:29

Tgt Ion:105 Resp: 896544
Ion Ratio Lower Upper
105 100
120 46.8 23.2 69.5





#85

sec-Butylbenzene

Concen: 49.829 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

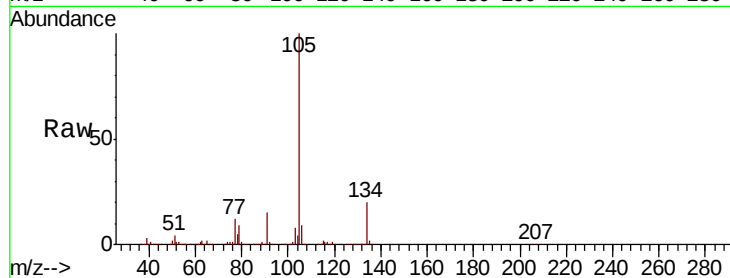
ICVVN052820

Tot Ion:105 Resp: 1005930

Ion Ratio Lower Upper

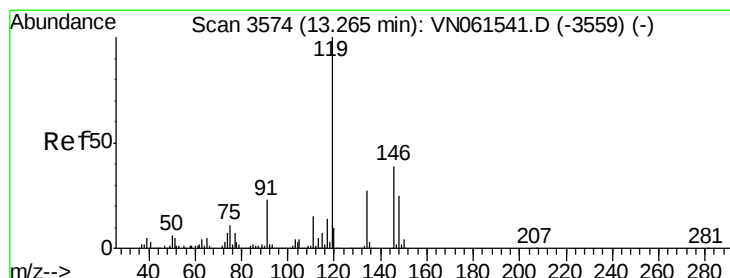
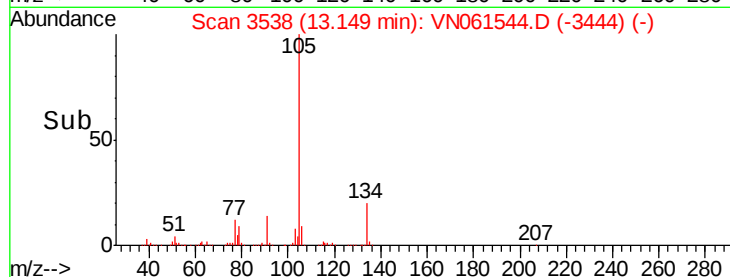
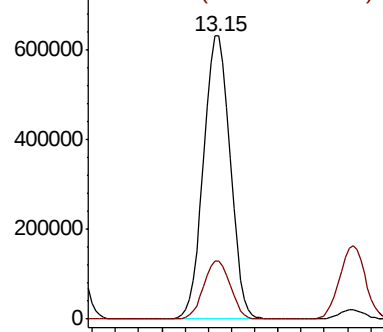
105 100

134 20.7 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.865 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

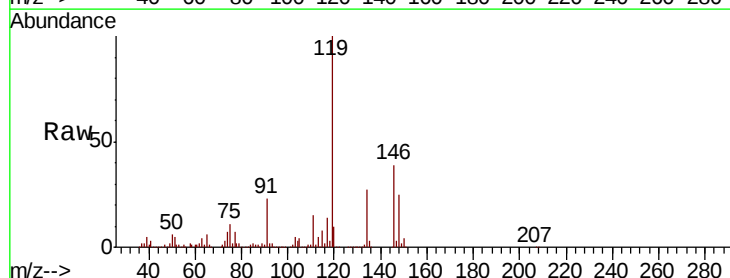
Tgt Ion:119 Resp: 945633

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

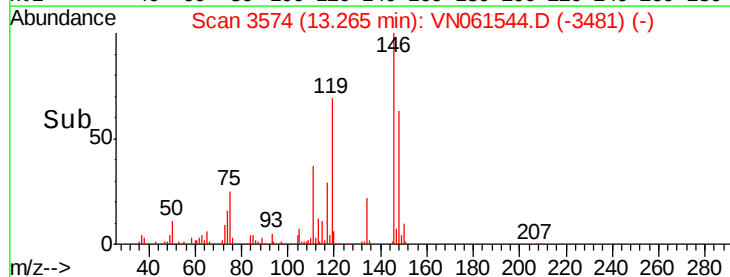
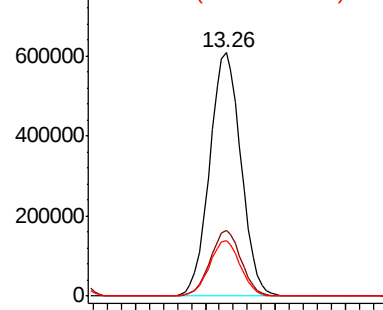
91 22.5 11.4 34.1

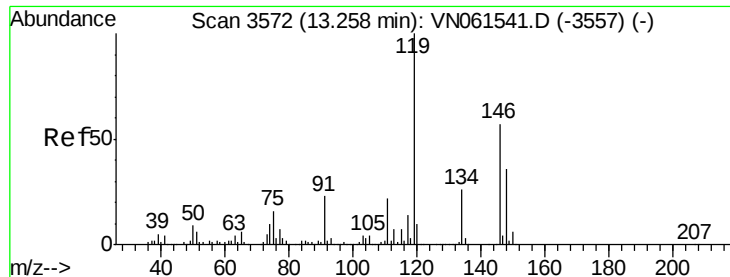


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.495 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

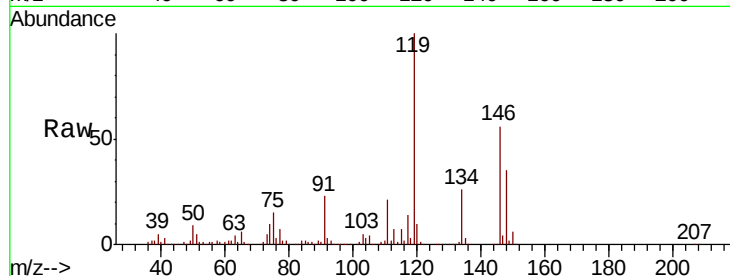
Tot Ion:146 Resp: 484202

Ion Ratio Lower Upper

146 100

111 38.4 19.2 57.6

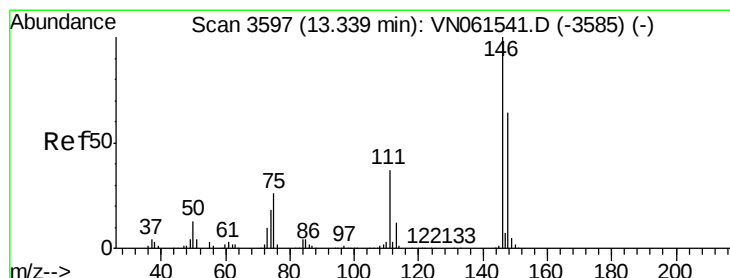
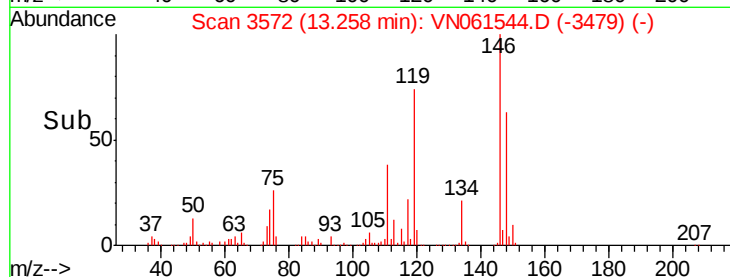
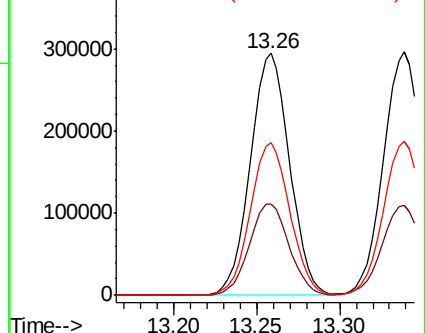
148 63.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.842 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

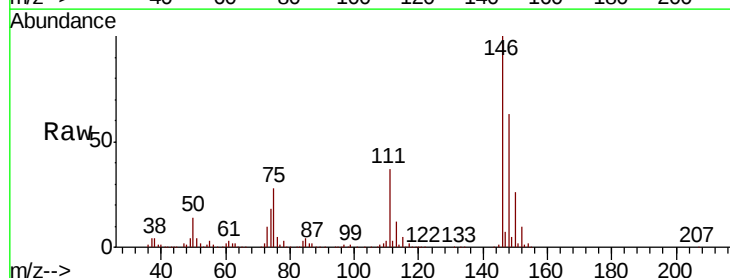
Tgt Ion:146 Resp: 486890

Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.9

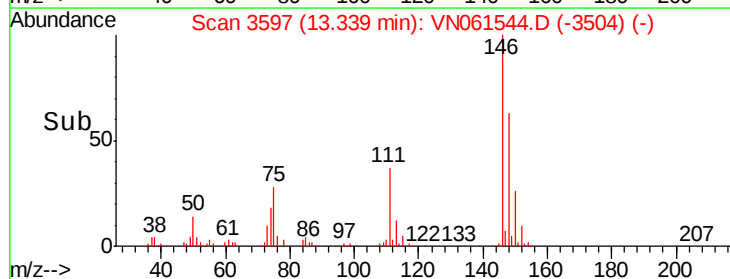
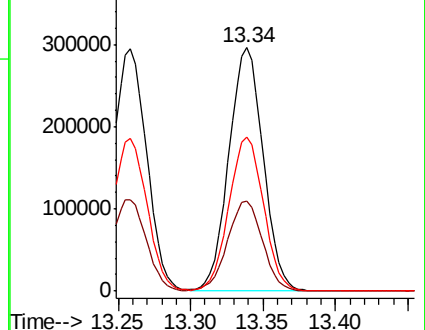
148 63.7 31.8 95.3

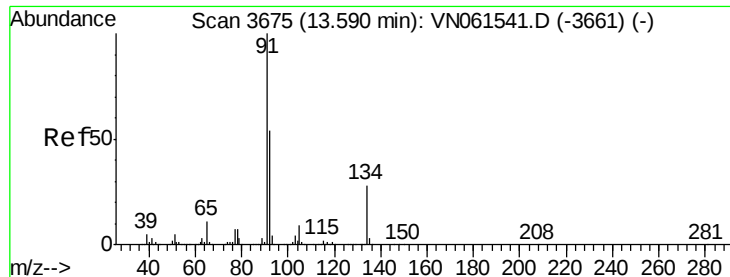


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.437 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

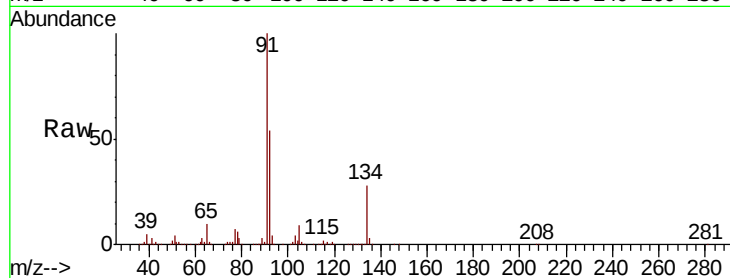
Tot Ion: 91 Resp: 785389

Ion Ratio Lower Upper

91 100

92 53.8 27.2 81.6

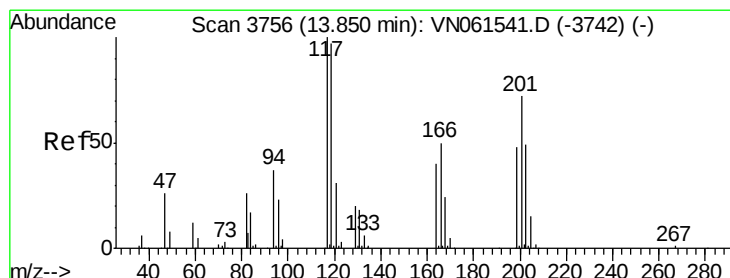
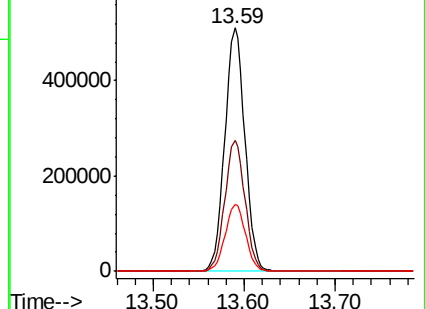
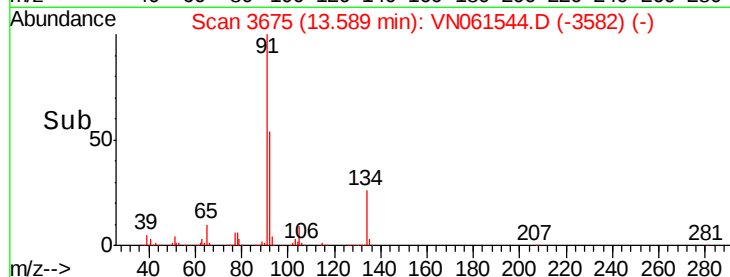
134 27.8 14.0 42.0



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)



#90

Hexachloroethane

Concen: 50.185 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061544.D

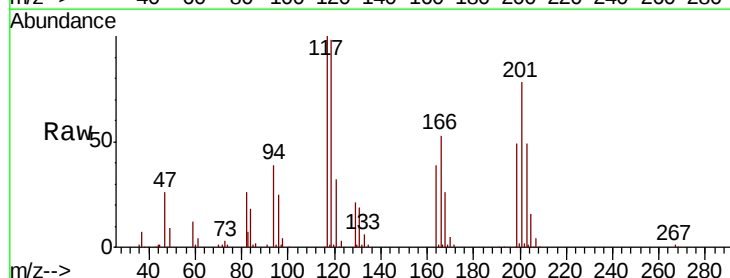
Acq: 28 May 2020 20:29

Tgt Ion: 117 Resp: 103181

Ion Ratio Lower Upper

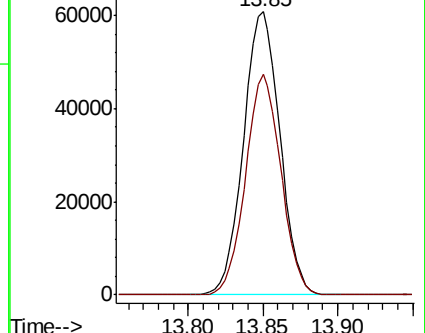
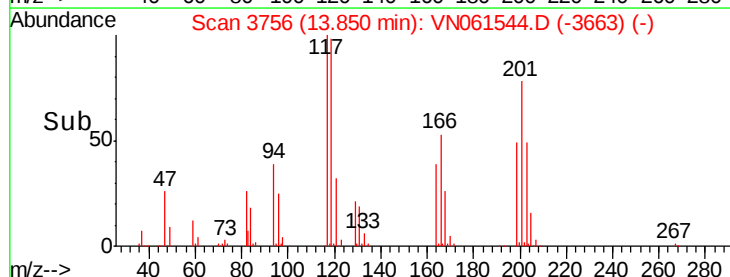
117 100

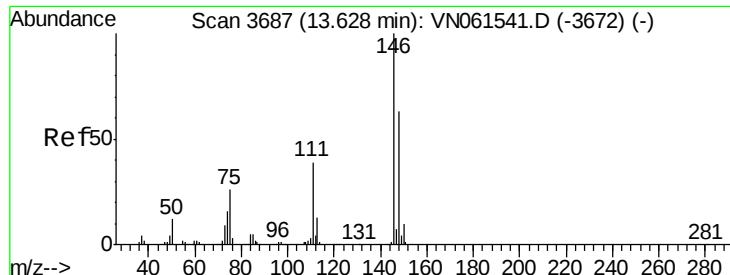
201 75.5 36.7 110.1



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)





#91

1,2-Dichlorobenzene

Concen: 50.597 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

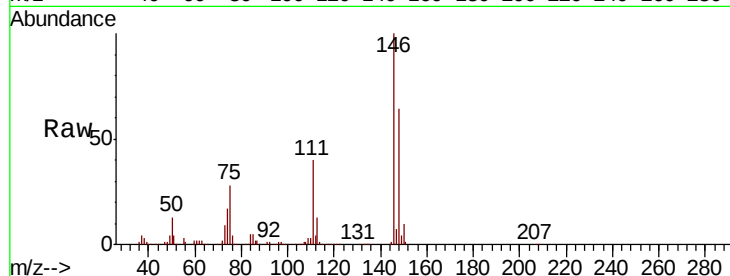
Tot Ion:146 Resp: 463666

Ion Ratio Lower Upper

146 100

111 40.0 20.1 60.2

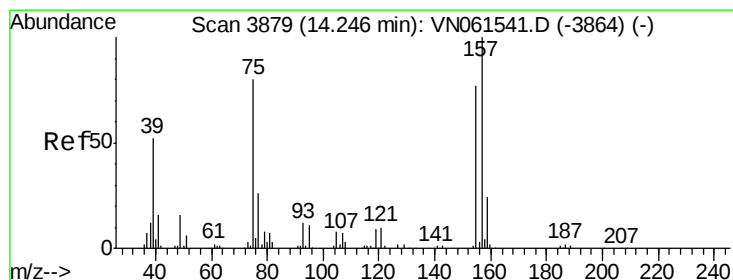
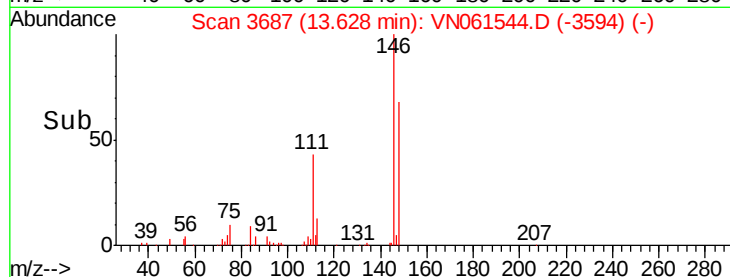
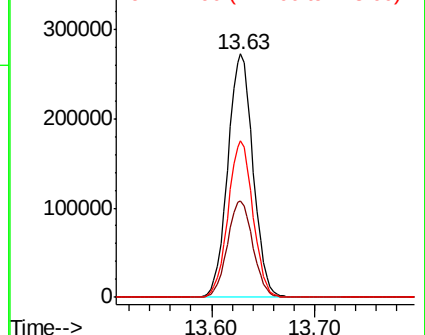
148 63.3 31.9 95.5



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: 47.195 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

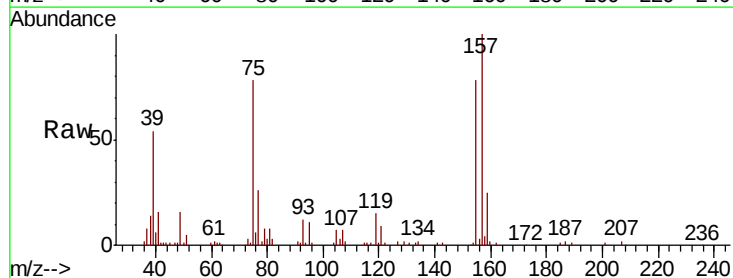
Tgt Ion: 75 Resp: 57221

Ion Ratio Lower Upper

75 100

155 96.6 47.1 141.4

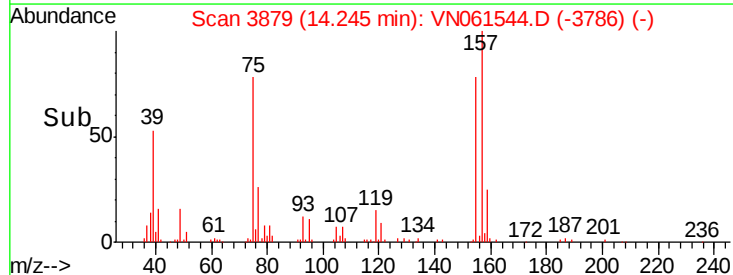
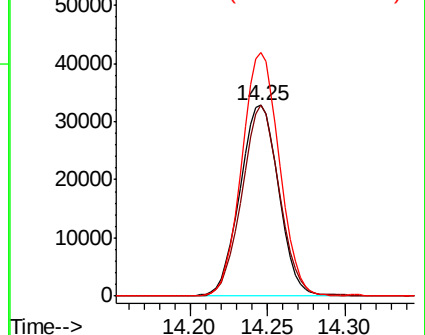
157 123.7 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

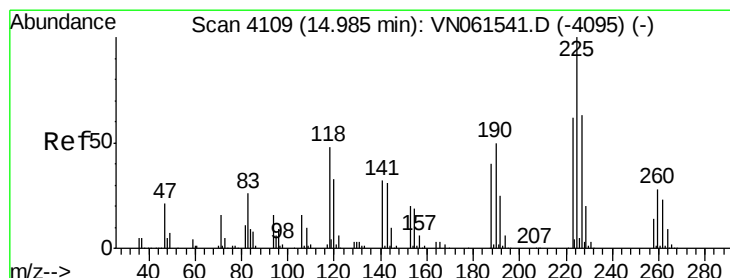
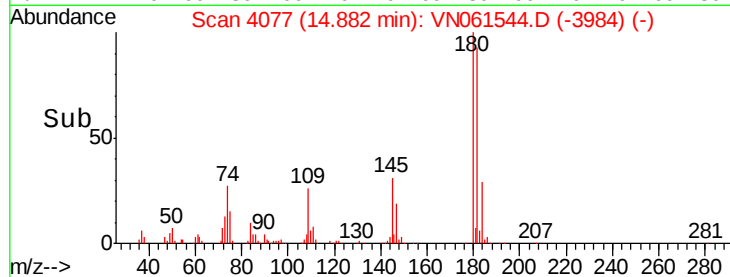
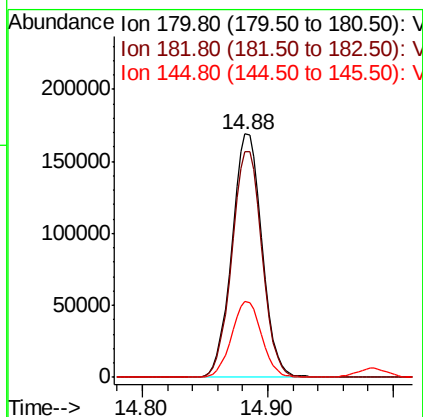
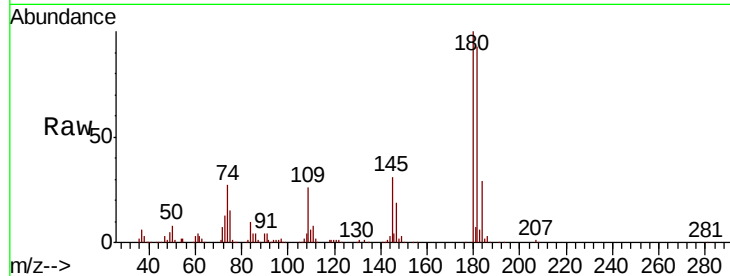




#93
 1,2,4-Trichlorobenzene
 Concen: 52.353 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

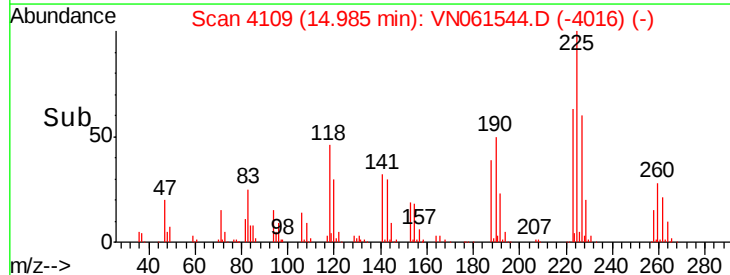
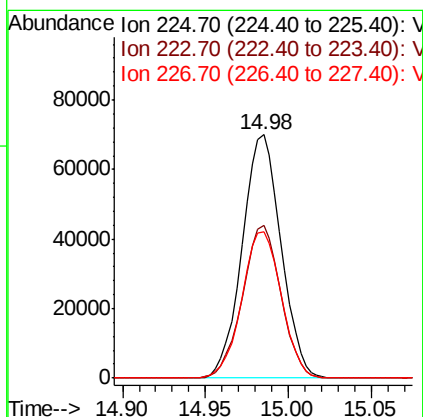
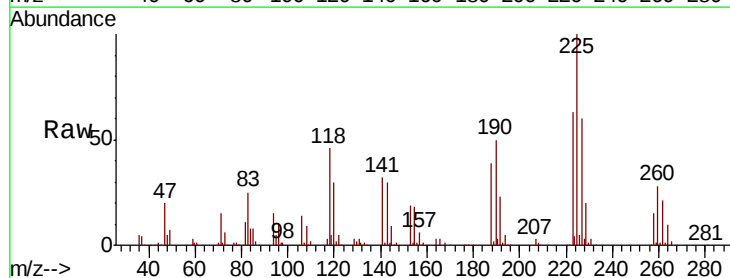
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052820

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.8	143.3
145	31.2	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 49.802 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061544.D
 Acq: 28 May 2020 20:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.5
227	61.4	31.9	95.9





#95

Naphthalene

Concen: 52.899 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

Instrument :

MSVOA_N

ClientSampleId :

ICVVN052820

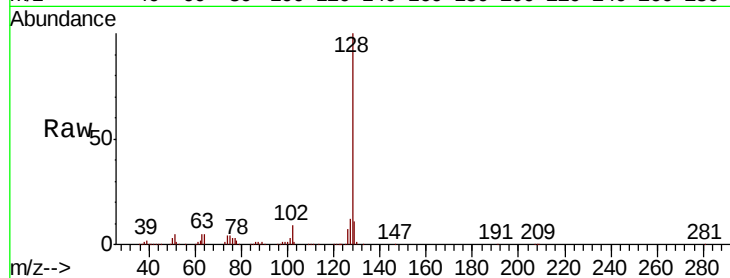
Tot Ion:128 Resp: 862934

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

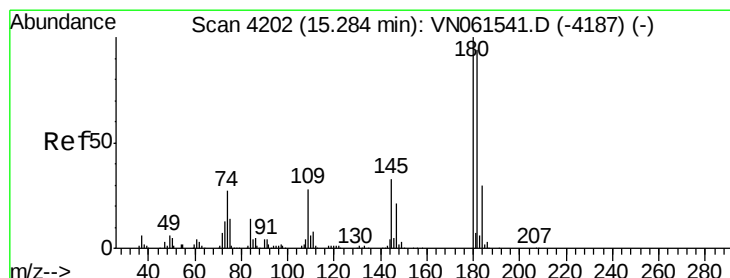
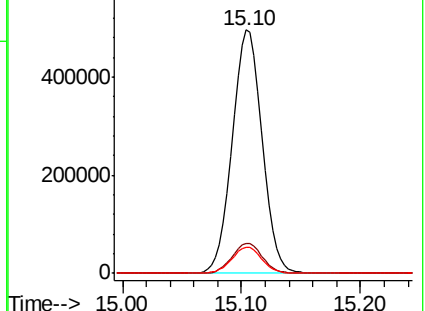
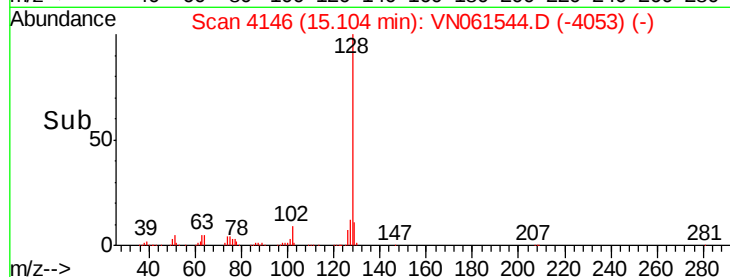
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.060 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061544.D

Acq: 28 May 2020 20:29

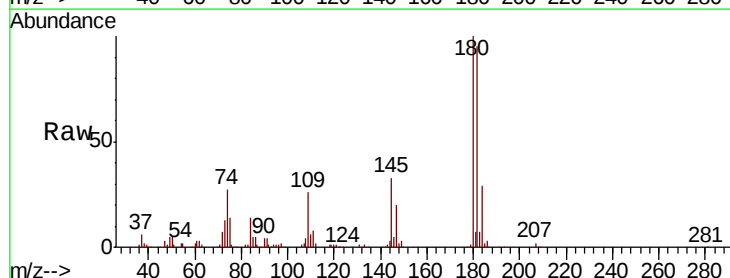
Tgt Ion:180 Resp: 274324

Ion Ratio Lower Upper

180 100

182 95.4 47.1 141.3

145 32.8 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

