

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073020\
 Data File : VN062662.D
 Acq On : 30 Jul 2020 11:27
 Operator : JC/MD
 Sample : VN0730WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Quant Time: Jul 31 04:04:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	157679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	255882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	233949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	110664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	128829	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	7.55	113	86763	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.06	98	324670	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
62) 4-Bromofluorobenzene	12.37	95	119132	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33370	17.742	ug/l	94
3) Chloromethane	2.04	50	38408	15.056	ug/l	96
4) Vinyl Chloride	2.16	62	35484	16.046	ug/l	99
5) Bromomethane	2.52	94	19729	20.142	ug/l	97
6) Chloroethane	2.66	64	19464	19.458	ug/l	97
7) Trichlorofluoromethane	2.98	101	53741	20.698	ug/l	100
8) Diethyl Ether	3.37	74	20251	16.679	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.71	101	28229	16.957	ug/l	96
10) Methyl Iodide	3.91	142	34224	16.081	ug/l	97
11) Tert butyl alcohol	4.73	59	35390	90.822	ug/l	97
12) 1,1-Dichloroethene	3.70	96	26767	15.854	ug/l	94
13) Acrolein	3.57	56	19496	54.793	ug/l	100
14) Allyl chloride	4.27	41	59854	16.389	ug/l	94
15) Acrylonitrile	4.93	53	94544	90.586	ug/l	99
16) Acetone	3.78	43	73501	79.740	ug/l	98
17) Carbon Disulfide	4.00	76	78732	14.193	ug/l	97
18) Methyl Acetate	4.28	43	45969	19.700	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	117121	18.848	ug/l	98
20) Methylene Chloride	4.50	84	39297	17.775	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	33793	18.034	ug/l	98
22) Diisopropyl ether	5.90	45	128620	17.718	ug/l	93
23) Vinyl Acetate	5.84	43	524324	88.149	ug/l	99
24) 1,1-Dichloroethane	5.79	63	70918	18.142	ug/l	99
25) 2-Butanone	6.79	43	121995	86.903	ug/l	97
26) 2,2-Dichloropropane	6.77	77	61980	19.314	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	37914	17.731	ug/l	99
28) Bromochloromethane	7.15	49	37471	19.478	ug/l	94
29) Tetrahydrofuran	7.17	42	82658	87.018	ug/l	98
30) Chloroform	7.33	83	71144	19.141	ug/l	100
31) Cyclohexane	7.61	56	58980	16.341	ug/l #	94
32) 1,1,1-Trichloroethane	7.53	97	62363	20.097	ug/l	98
36) 1,1-Dichloropropene	7.75	75	50818	18.632	ug/l	100
37) Ethyl Acetate	6.88	43	54212	18.439	ug/l	100
38) Carbon Tetrachloride	7.73	117	54141	20.651	ug/l	98

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 Sample : VN0730WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 VN0730WBSD01

Quant Time: Jul 31 04:04:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	52611	17.919	ug/l	98
40) Benzene	8.00	78	148801	18.021	ug/l	100
41) Methacrylonitrile	7.13	41	23802	18.890	ug/l #	89
42) 1,2-Dichloroethane	8.09	62	62722	20.777	ug/l	97
43) Isopropyl Acetate	8.12	43	87084	18.374	ug/l	99
44) Trichloroethene	8.80	130	33995	18.256	ug/l	99
45) 1,2-Dichloropropane	9.09	63	41573	17.932	ug/l	97
46) Dibromomethane	9.18	93	26380	19.687	ug/l	99
47) Bromodichloromethane	9.37	83	58059	20.000	ug/l	96
48) Methyl methacrylate	9.17	41	42212	18.736	ug/l	98
49) 1,4-Dioxane	9.17	88	12930	373.660	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	264149	93.146	ug/l	100
52) Toluene	10.12	92	91729	19.131	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	62466	19.329	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	65956	19.020	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	35525	19.101	ug/l	97
56) Ethyl methacrylate	10.40	69	55874	17.908	ug/l	99
57) 1,3-Dichloropropane	10.68	76	64556	18.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	80950	91.752	ug/l	99
59) 2-Hexanone	10.72	43	190798	88.926	ug/l	99
60) Dibromochloromethane	10.87	129	41434	19.970	ug/l	99
61) 1,2-Dibromoethane	10.98	107	36687	18.944	ug/l	98
64) Tetrachloroethene	10.60	164	28855	18.983	ug/l	98
65) Chlorobenzene	11.40	112	92375	18.834	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	37139	20.129	ug/l	98
67) Ethyl Benzene	11.48	91	170140	18.920	ug/l	99
68) m/p-Xylenes	11.59	106	125975	38.975	ug/l	99
69) o-Xylene	11.92	106	59810	19.487	ug/l	100
70) Styrene	11.94	104	101114	19.502	ug/l	97
71) Bromoform	12.10	173	28228	20.376	ug/l #	100
73) Isopropylbenzene	12.22	105	162309	18.549	ug/l	98
74) N-amyl acetate	12.04	43	70238	17.974	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	56236	18.494	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	71953	25.544	ug/l #	100
77) Bromobenzene	12.50	156	39426	18.749	ug/l	96
78) n-propylbenzene	12.56	91	193800	18.908	ug/l	99
79) 2-Chlorotoluene	12.65	91	120281	19.042	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	143739	19.803	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	17805	17.596	ug/l	89
82) 4-Chlorotoluene	12.75	91	124701	18.966	ug/l	99
83) tert-Butylbenzene	12.97	119	113532	18.837	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	138457	19.445	ug/l	98
85) sec-Butylbenzene	13.15	105	156948	19.451	ug/l	100
86) p-Isopropyltoluene	13.26	119	138943	20.021	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	68361	18.525	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	69269	19.068	ug/l	98
89) n-Butylbenzene	13.59	91	114830	19.257	ug/l	98
90) Hexachloroethane	13.85	117	27913	18.894	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	67503	19.131	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10754	19.479	ug/l	97

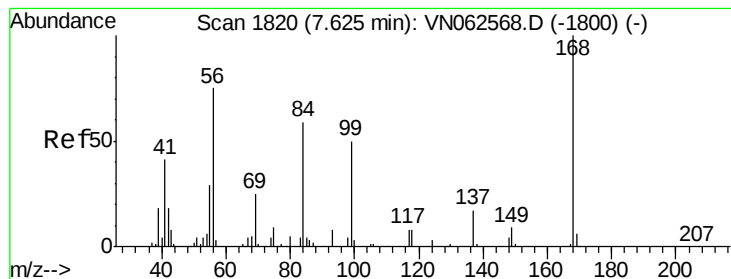
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073020\
Data File : VN062662.D
Acq On : 30 Jul 2020 11:27
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Sample : VN0730WBSD01
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Jul 31 04:04:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	28078	17.298	ug/l	95
94) Hexachlorobutadiene	14.98	225	22016	22.828	ug/l	99
95) Naphthalene	15.10	128	72801	17.441	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	29752	17.892	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

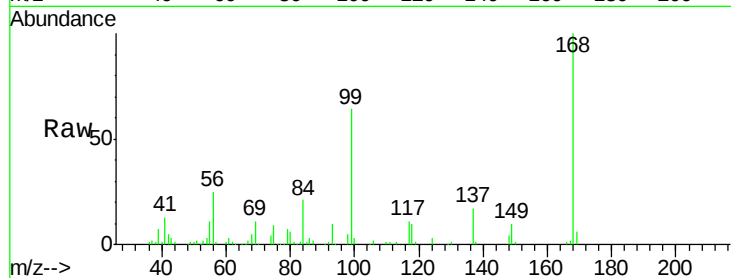
VN0730WBSD01

Tot Ion:168 Resp: 157679

Ion Ratio Lower Upper

168 100

99 63.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

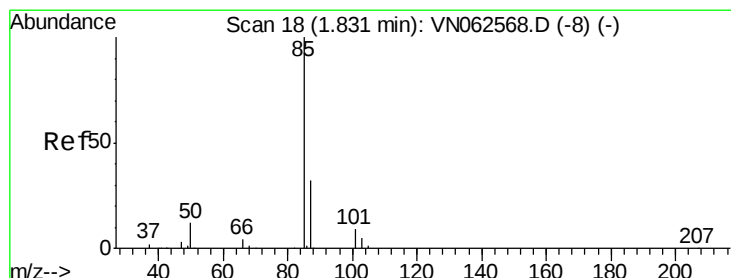
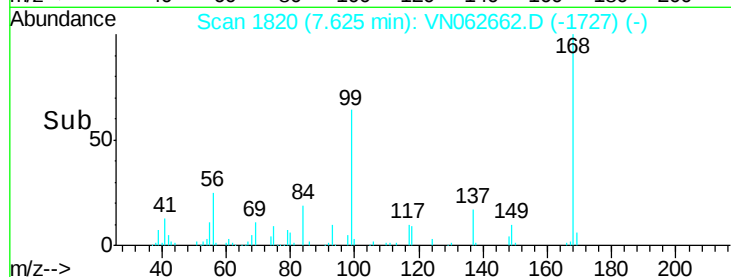
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 17.742 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062662.D

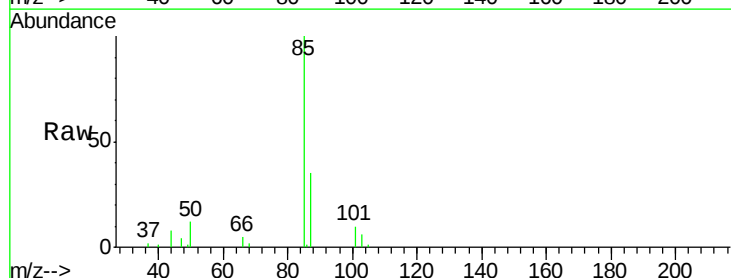
Acq: 30 Jul 2020 11:27

Tgt Ion: 85 Resp: 33370

Ion Ratio Lower Upper

85 100

87 35.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

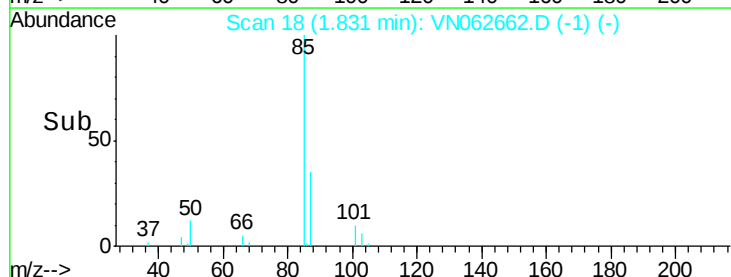
15000

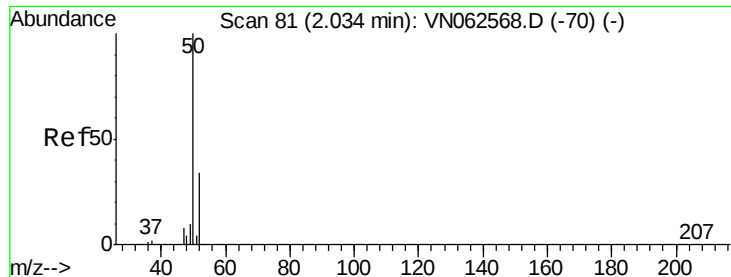
10000

5000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 15.056 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

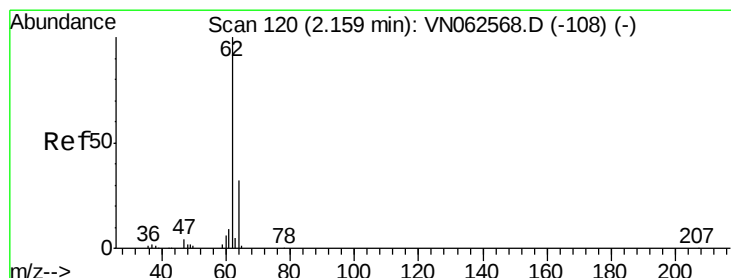
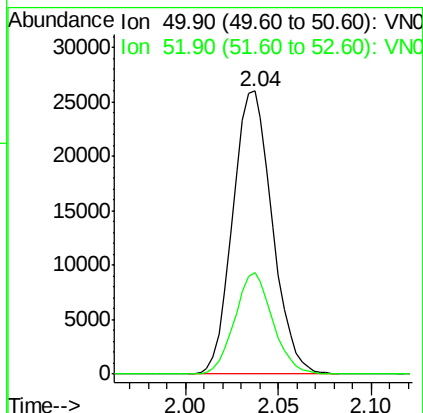
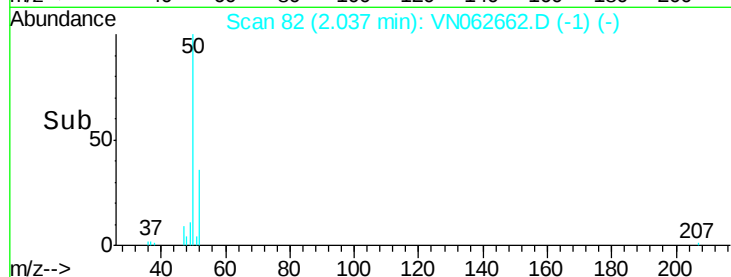
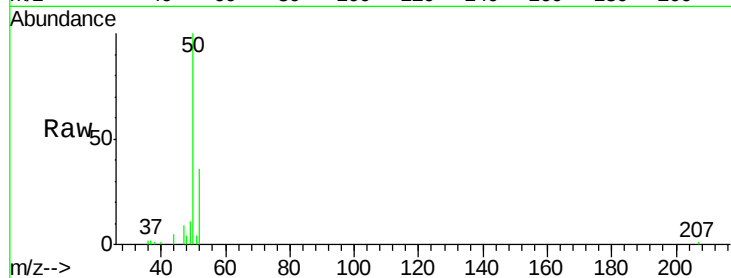
VN0730WBSD01

Tot Ion: 50 Resp: 38408

Ion Ratio Lower Upper

50 100

52 36.0 27.0 40.4



#4

Vinyl Chloride

Concen: 16.046 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062662.D

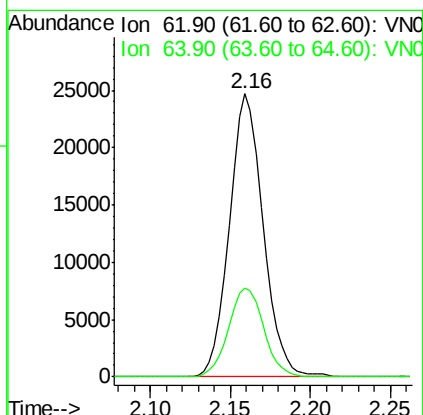
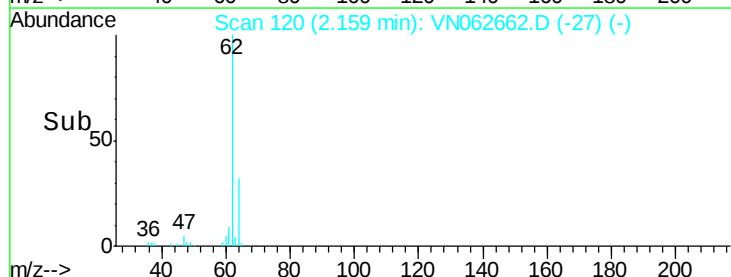
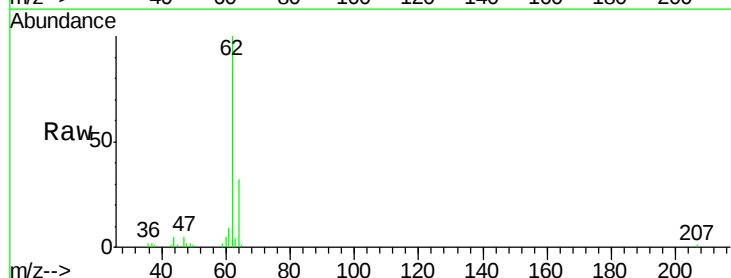
Acq: 30 Jul 2020 11:27

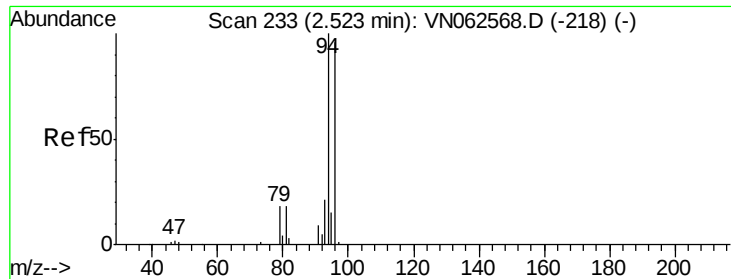
Tgt Ion: 62 Resp: 35484

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8





#5

Bromomethane

Concen: 20.142 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

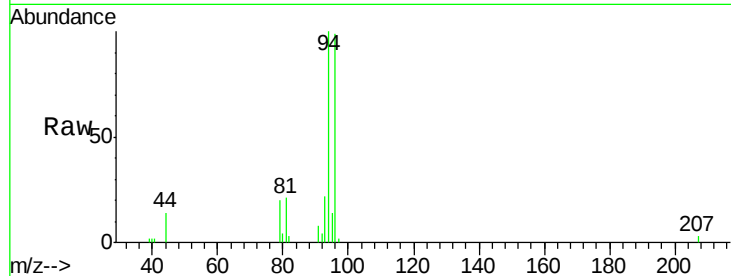
VN0730WBSD01

Tot Ion: 94 Resp: 19729

Ion Ratio Lower Upper

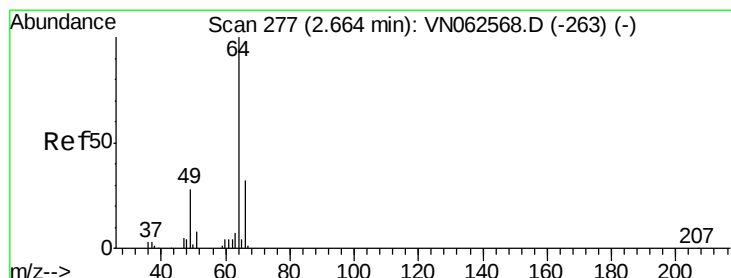
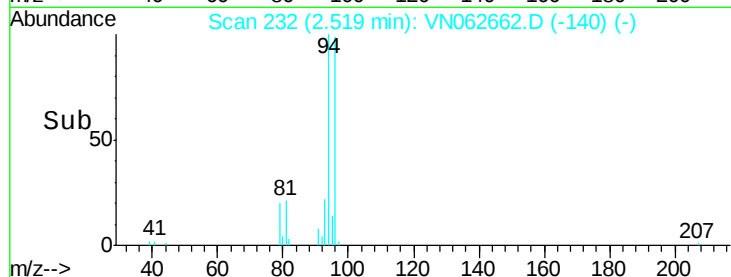
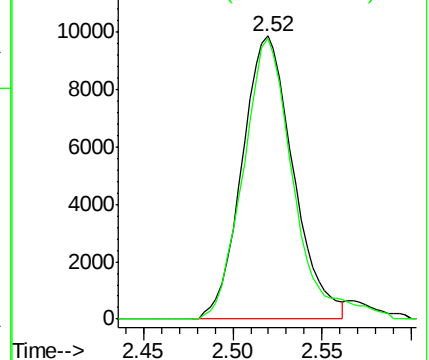
94 100

96 99.1 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.458 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062662.D

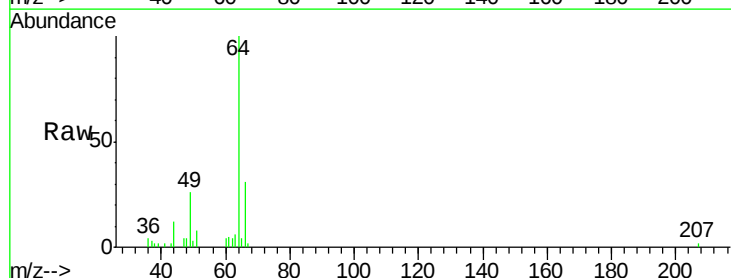
Acq: 30 Jul 2020 11:27

Tgt Ion: 64 Resp: 19464

Ion Ratio Lower Upper

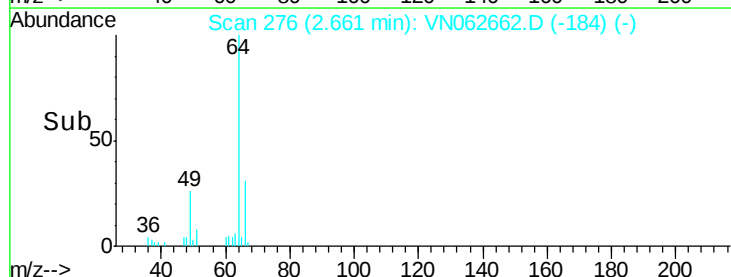
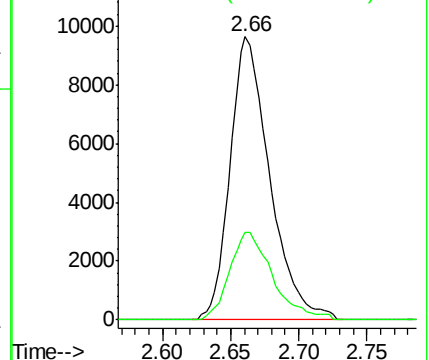
64 100

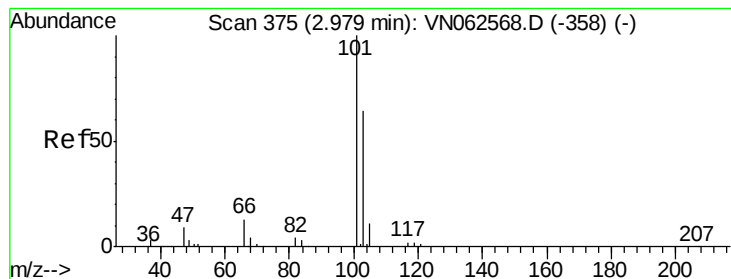
66 30.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



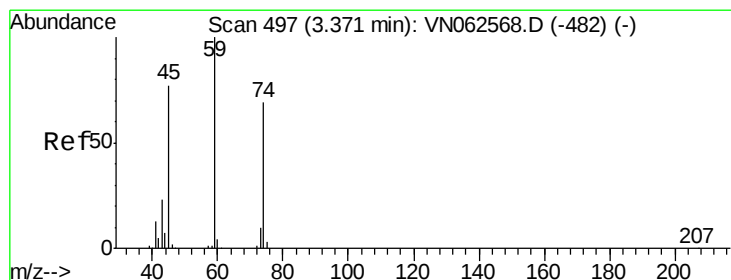
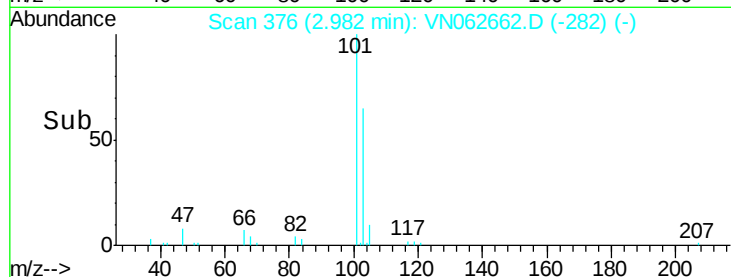
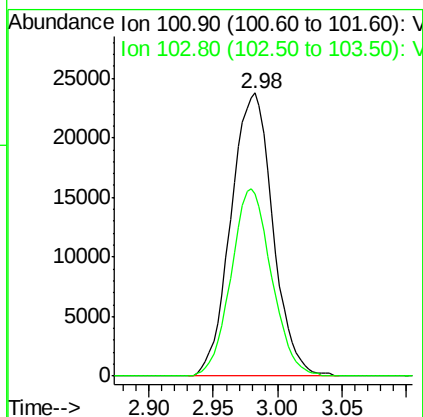
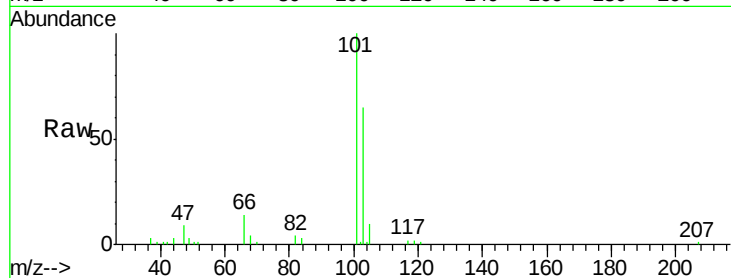


#7

Trichlorofluoromethane
 Concen: 20.698 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

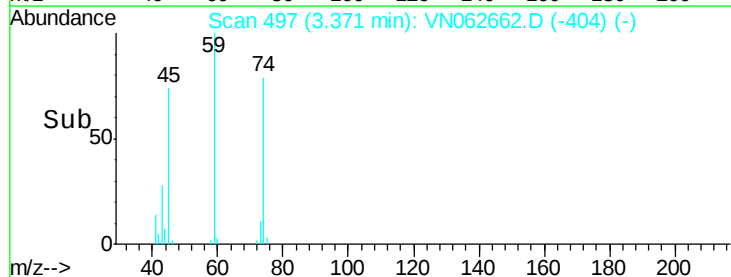
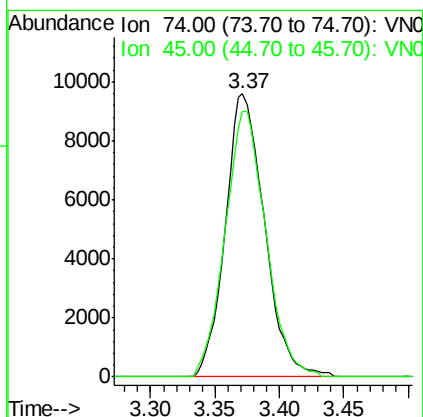
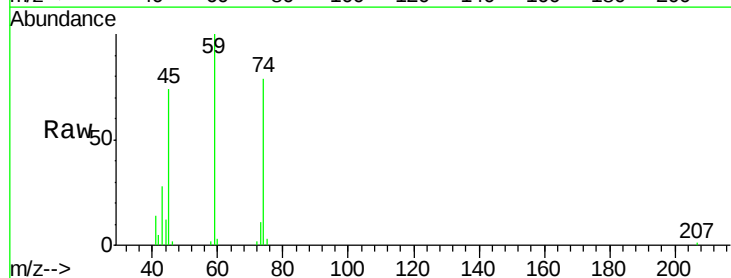
Tot Ion:101 Resp: 53741
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3

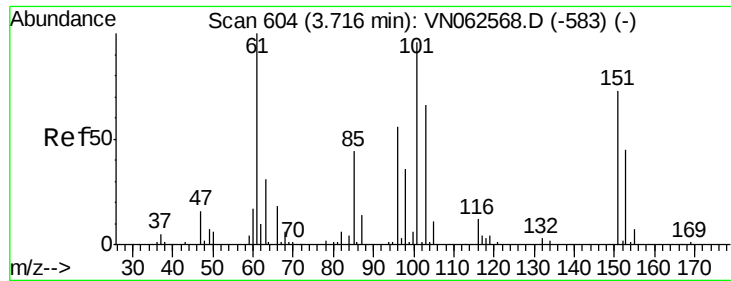


#8

Diethyl Ether
 Concen: 16.679 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion: 74 Resp: 20251
 Ion Ratio Lower Upper
 74 100
 45 97.5 55.3 165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.957 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0730WBSD01

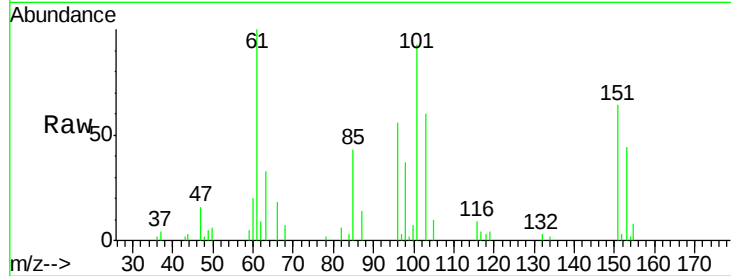
Tot Ion:101 Resp: 28229

Ion Ratio Lower Upper

101 100

85 48.7 36.0 54.0

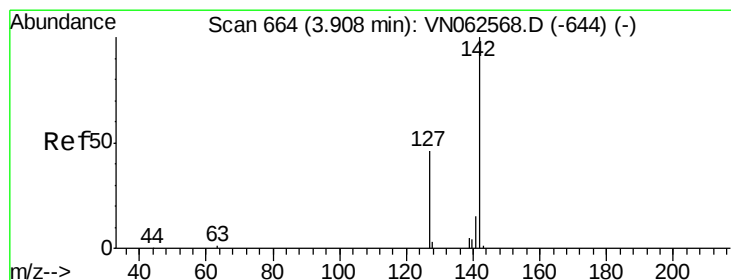
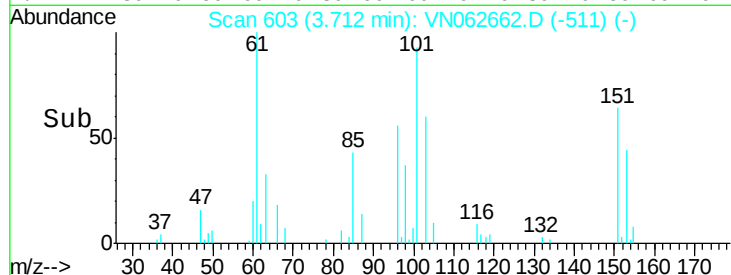
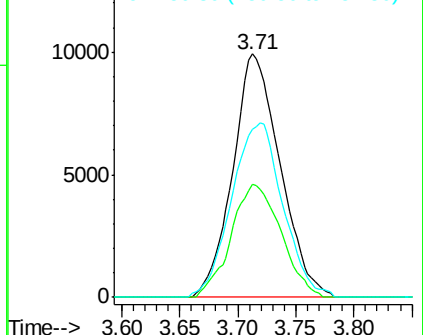
151 77.6 60.0 90.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.081 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

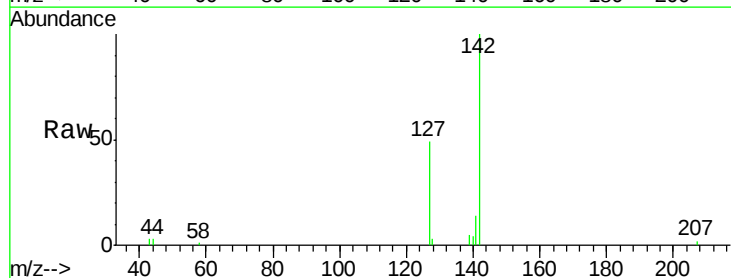
Tgt Ion:142 Resp: 34224

Ion Ratio Lower Upper

142 100

127 49.5 37.4 56.0

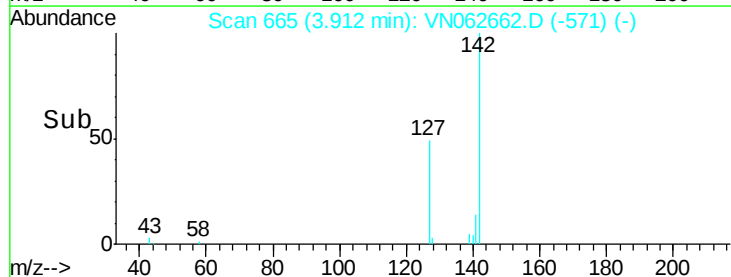
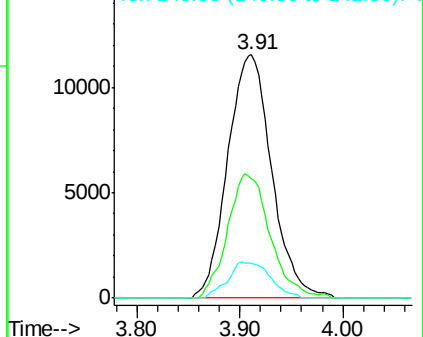
141 14.3 11.9 17.9

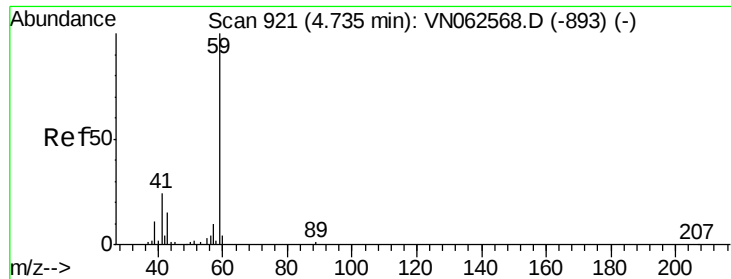


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



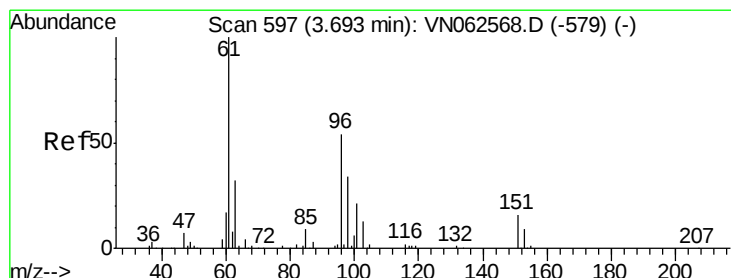
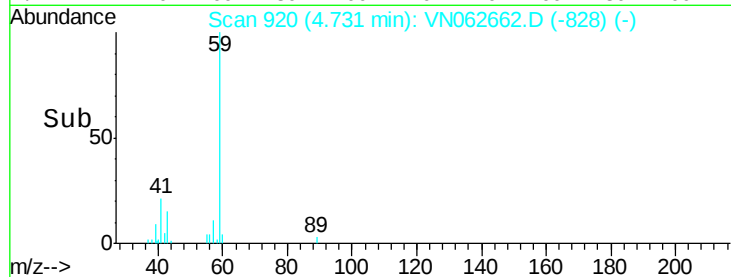
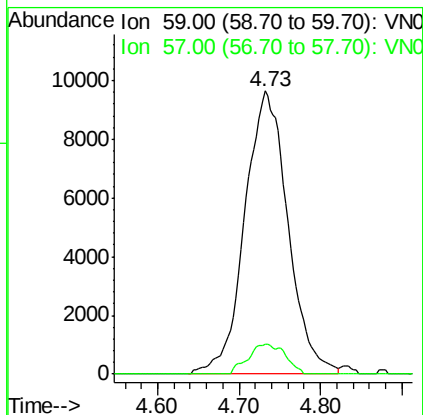
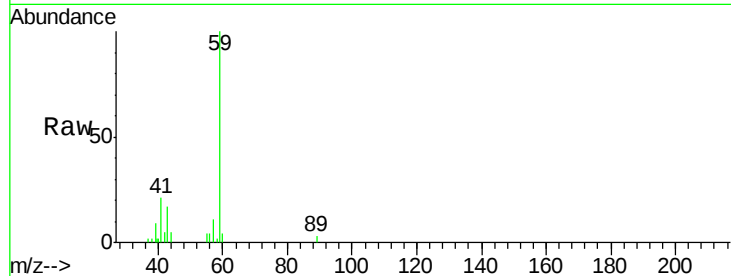


#11

Tert butyl alcohol
 Concen: 90.822 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

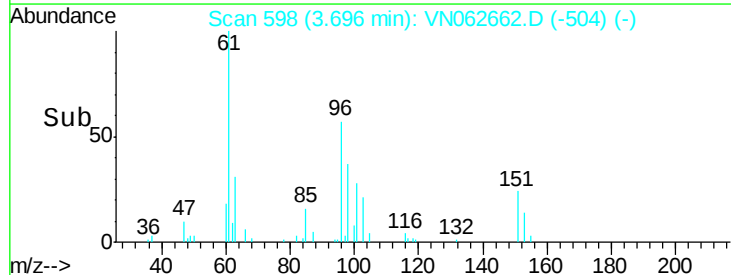
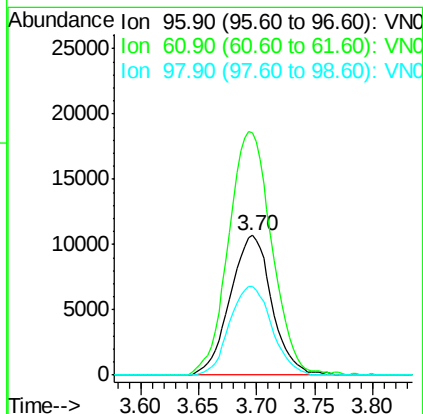
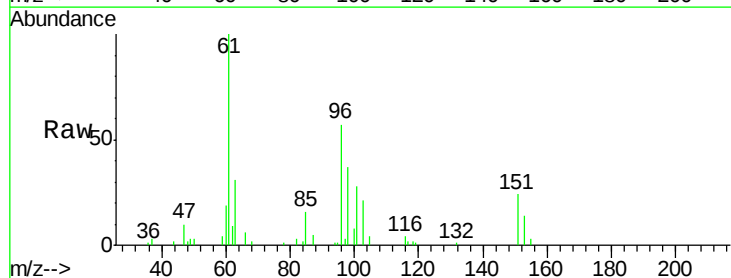
Tot Ion: 59 Resp: 35390
 Ion Ratio Lower Upper
 59 100
 57 9.1 8.2 12.2

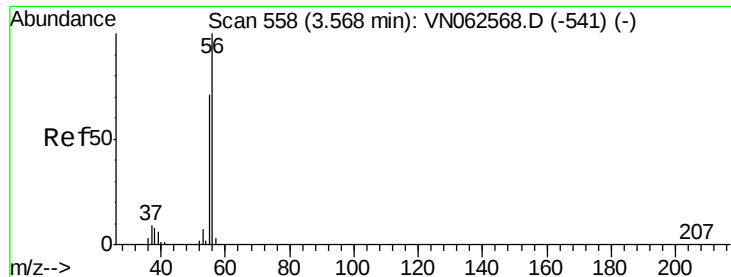


#12

1,1-Dichloroethene
 Concen: 15.854 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion: 96 Resp: 26767
 Ion Ratio Lower Upper
 96 100
 61 174.2 148.6 222.8
 98 64.1 50.6 75.8





#13

Acrolein

Concen: 54.793 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

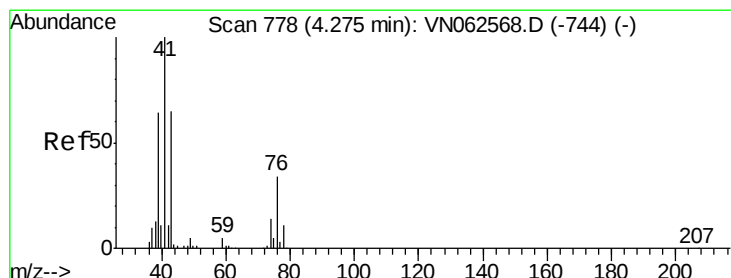
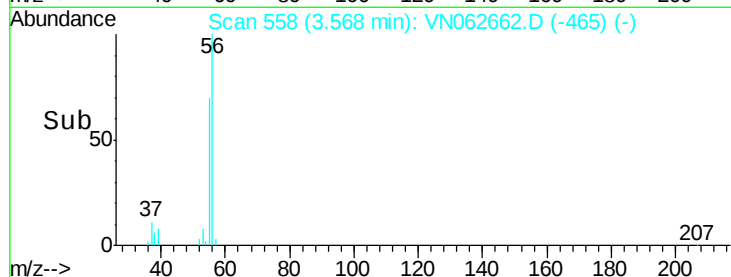
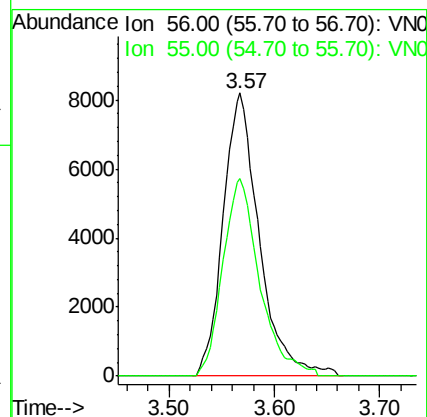
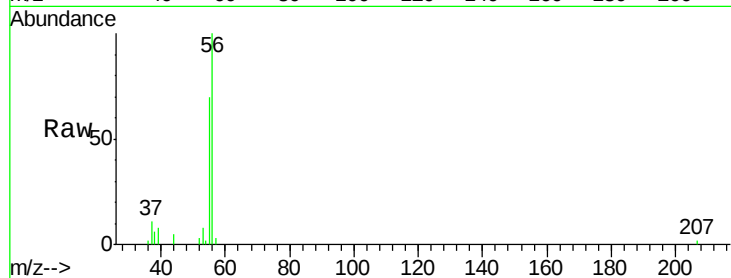
VN0730WBSD01

Tot Ion: 56 Resp: 19496

Ion Ratio Lower Upper

56 100

55 71.0 57.0 85.4



#14

Allyl chloride

Concen: 16.389 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

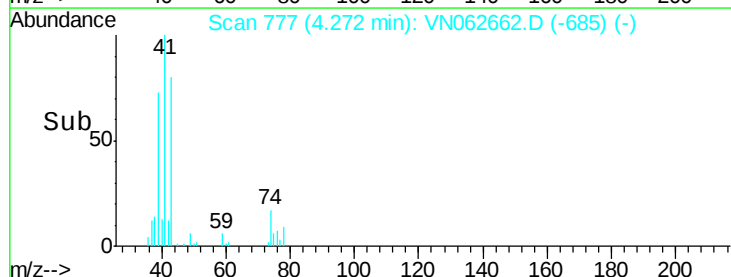
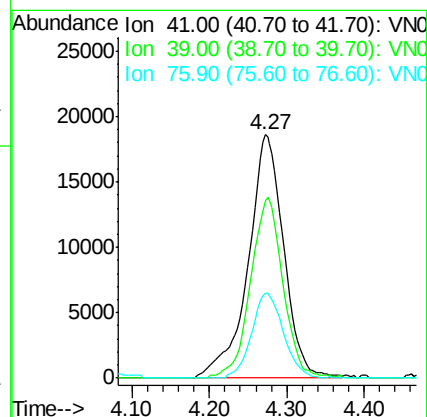
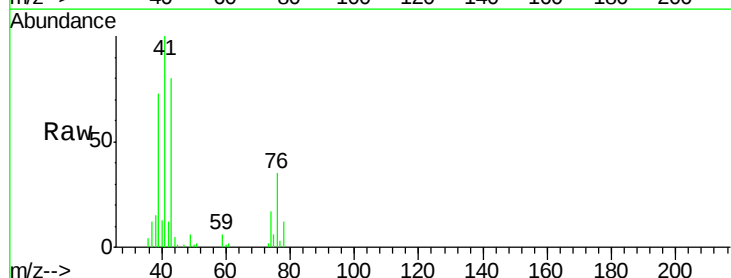
Tgt Ion: 41 Resp: 59854

Ion Ratio Lower Upper

41 100

39 67.6 49.0 73.4

76 31.2 24.0 36.0





#15

Acrylonitrile

Concen: 90.586 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0730WBSD01

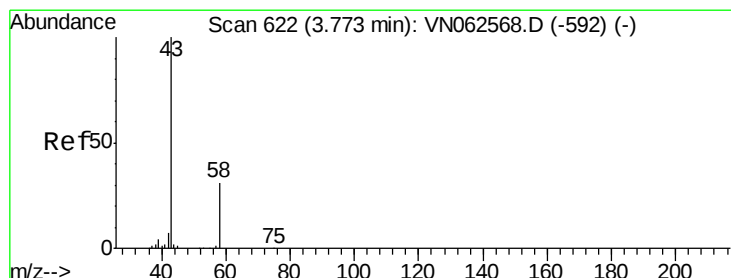
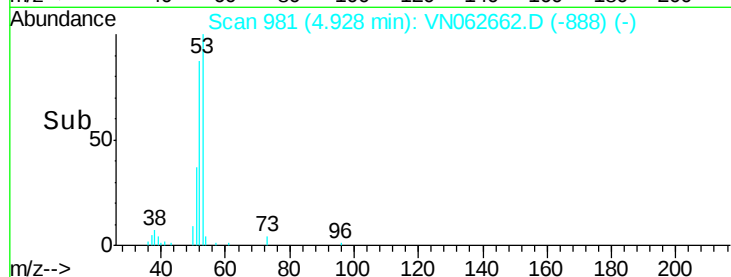
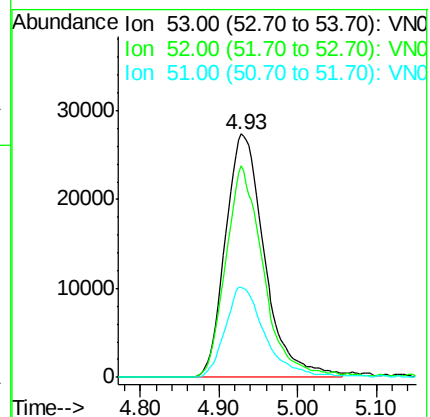
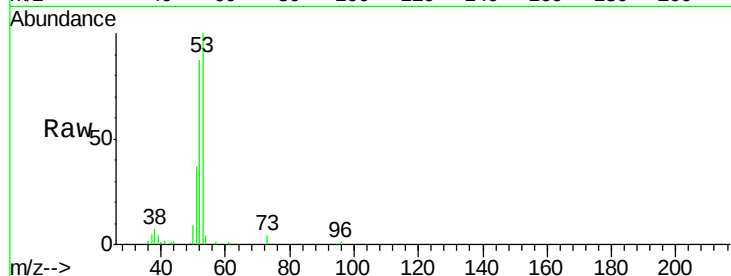
Tot Ion: 53 Resp: 94544

Ion Ratio Lower Upper

53 100

52 82.6 66.3 99.5

51 37.6 28.6 43.0



#16

Acetone

Concen: 79.740 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062662.D

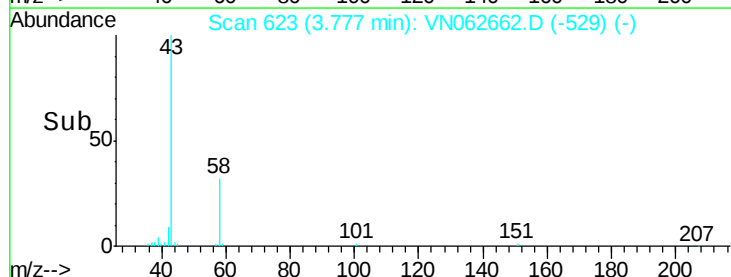
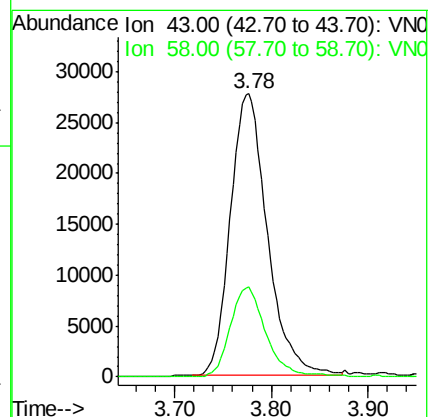
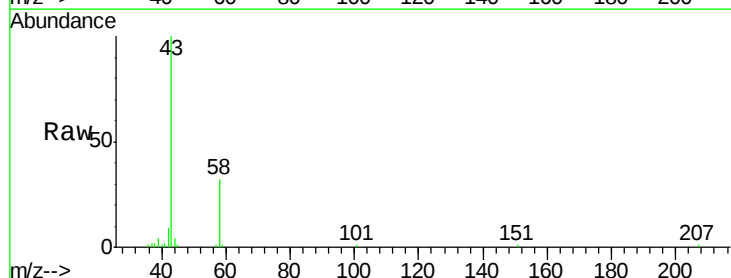
Acq: 30 Jul 2020 11:27

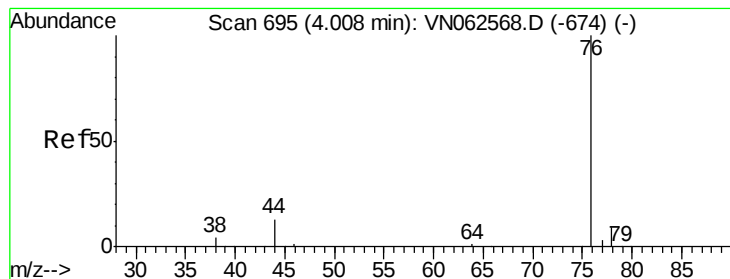
Tgt Ion: 43 Resp: 73501

Ion Ratio Lower Upper

43 100

58 31.8 24.6 37.0





#17

Carbon Disulfide

Concen: 14.193 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

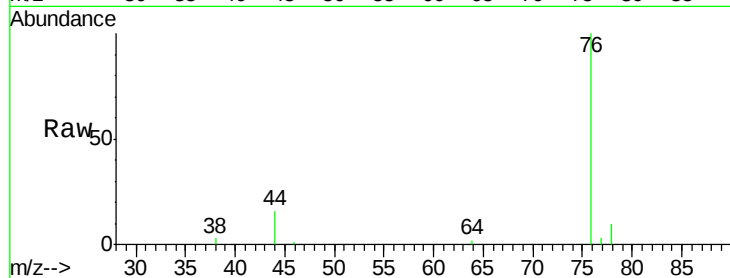
VN0730WBSD01

Tot Ion: 76 Resp: 78732

Ion Ratio Lower Upper

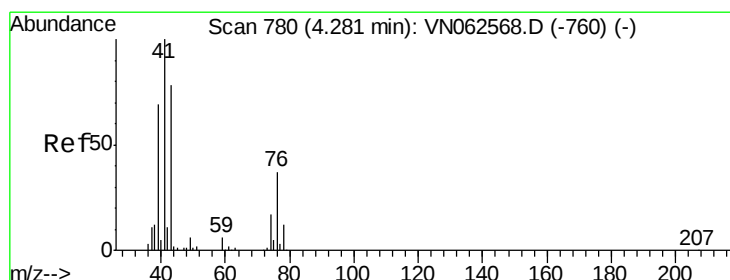
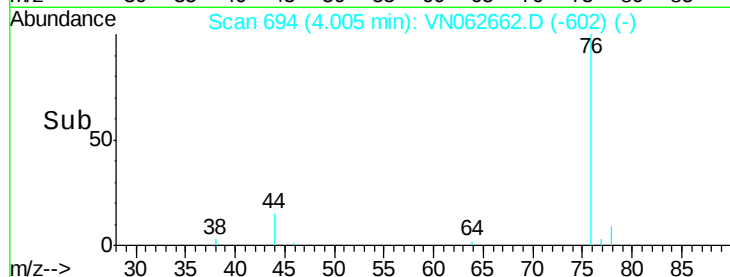
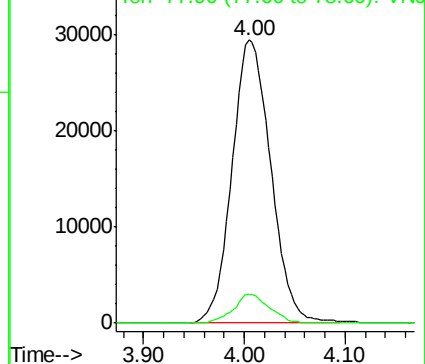
76 100

78 10.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.700 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN062662.D

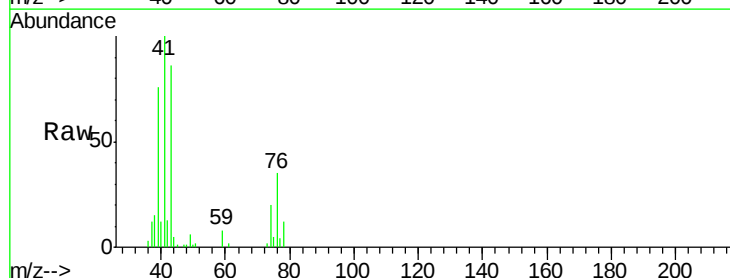
Acq: 30 Jul 2020 11:27

Tgt Ion: 43 Resp: 45969

Ion Ratio Lower Upper

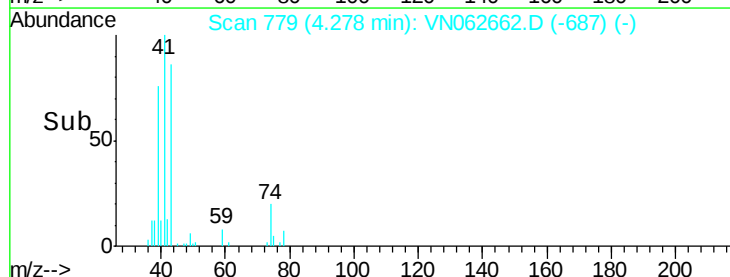
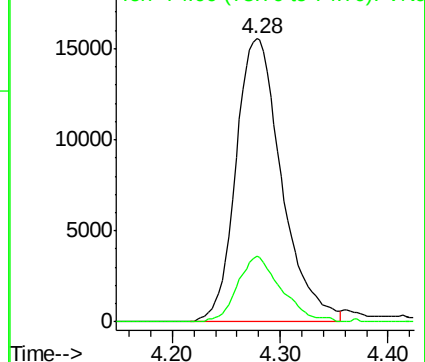
43 100

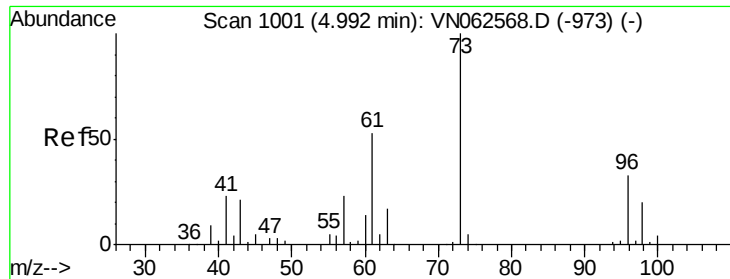
74 21.7 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

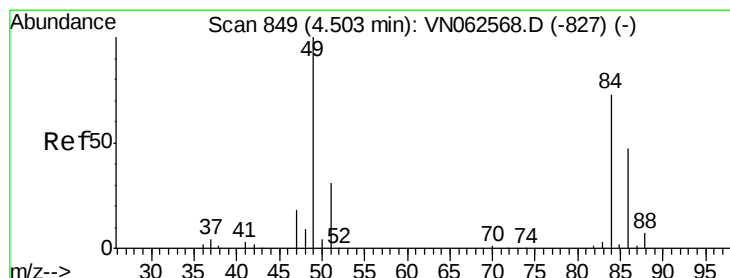
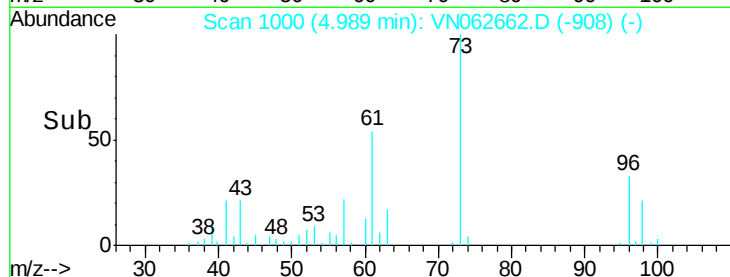
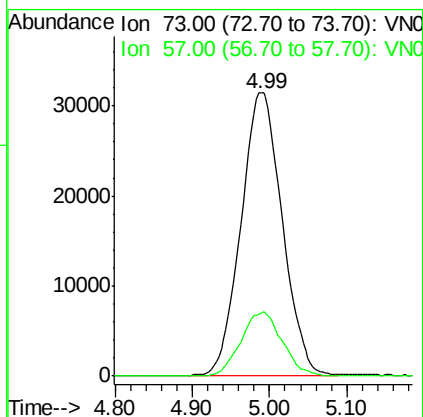
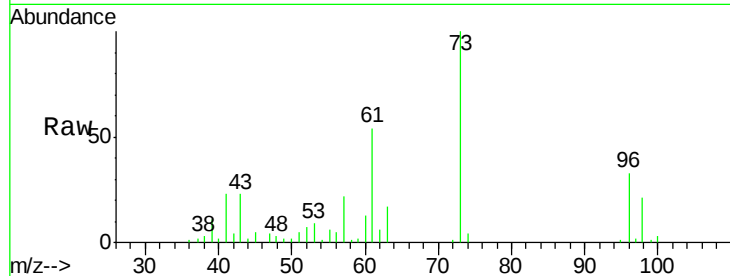




#19
Methvl tert-butvl Ether
Concen: 18.848 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

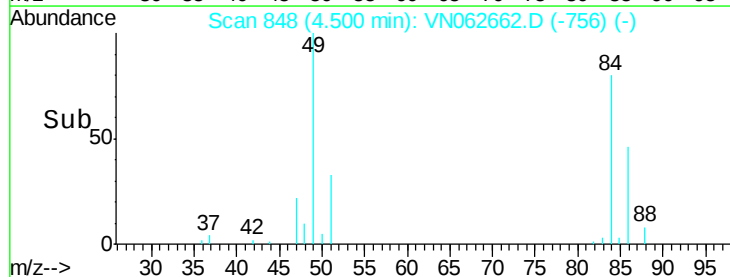
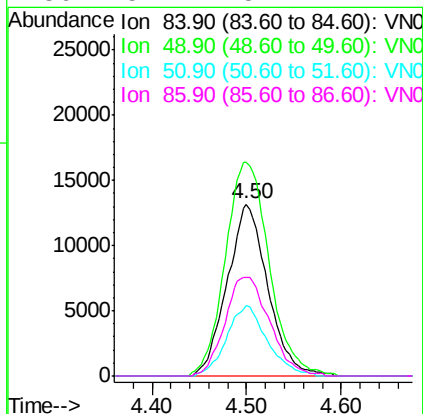
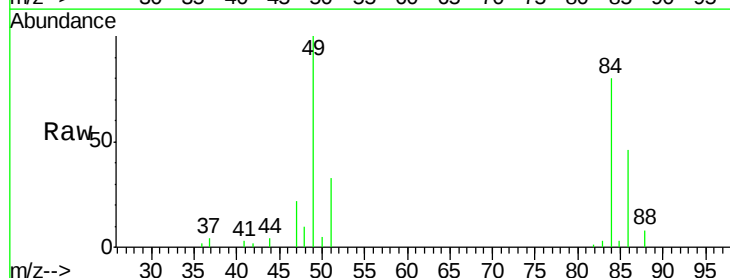
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

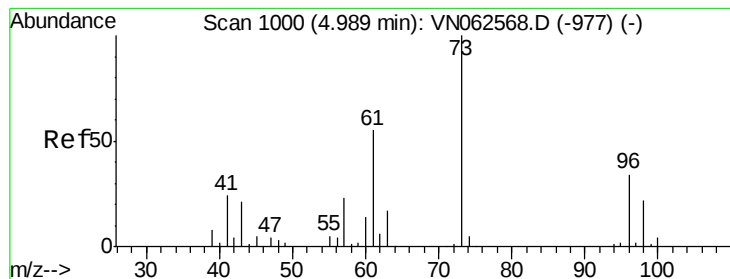
Tot Ion: 73 Resp: 117121
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8



#20
Methylene Chloride
Concen: 17.775 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 84 Resp: 39297
Ion Ratio Lower Upper
84 100
49 124.4 109.4 164.0
51 40.8 33.6 50.4
86 57.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.034 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

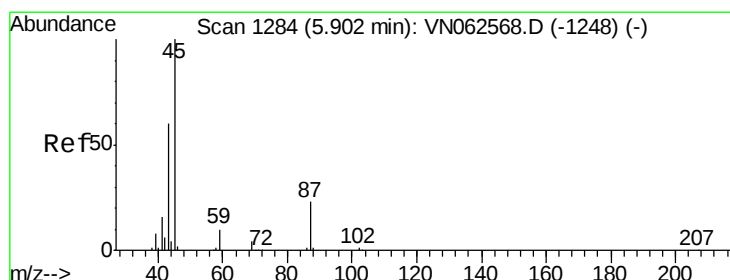
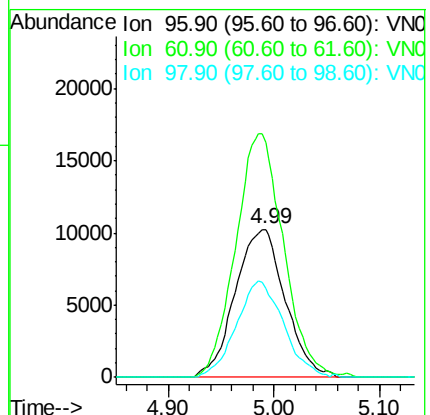
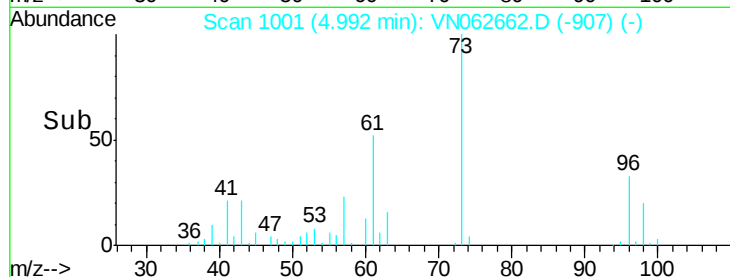
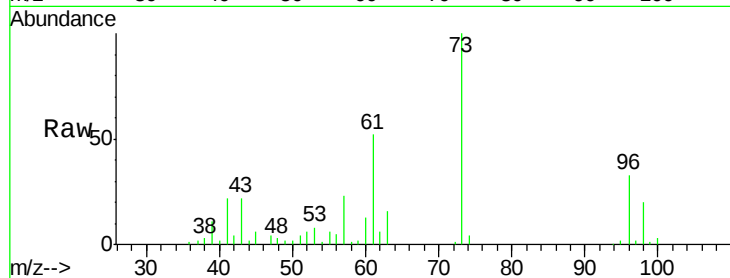
Tot Ion: 96 Resp: 33793

Ion Ratio Lower Upper

96 100

61 158.8 128.6 192.8

98 60.2 50.6 76.0



#22

Diisopropyl ether

Concen: 17.718 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Tgt Ion: 45 Resp: 128620

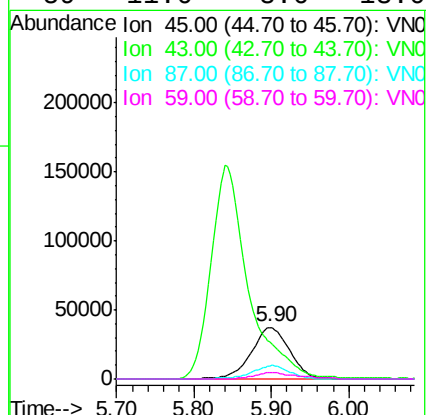
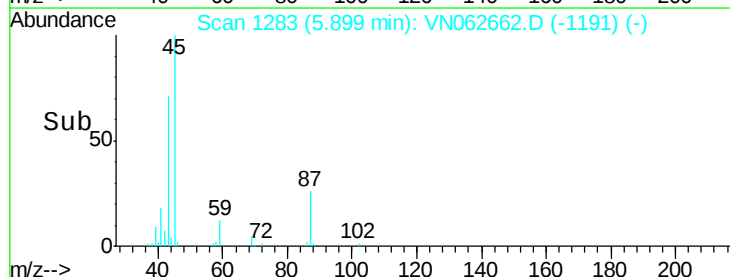
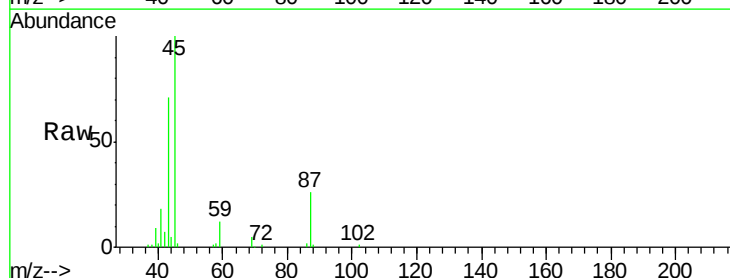
Ion Ratio Lower Upper

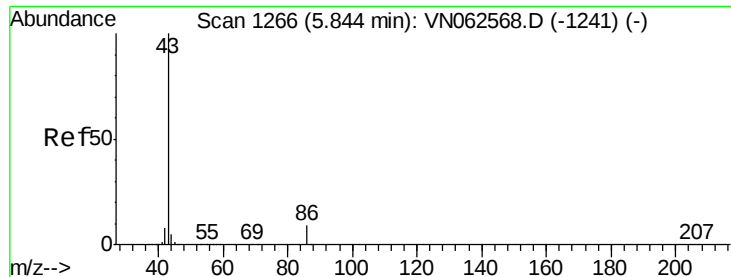
45 100

43 67.5 48.7 73.1

87 25.8 19.0 28.6

59 11.6 8.6 13.0





#23

Vinyl Acetate

Concen: 88.149 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

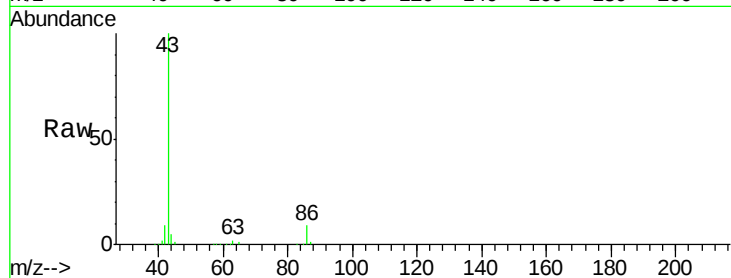
VN0730WBSD01

Tot Ion: 43 Resp: 524324

Ion Ratio Lower Upper

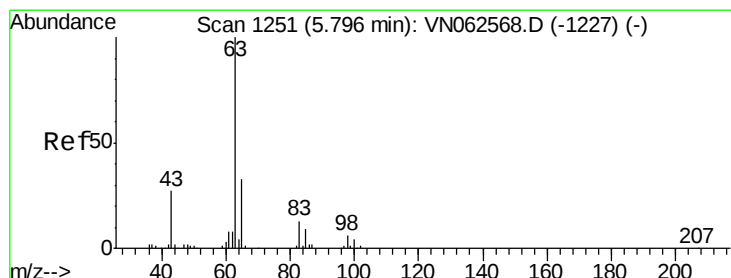
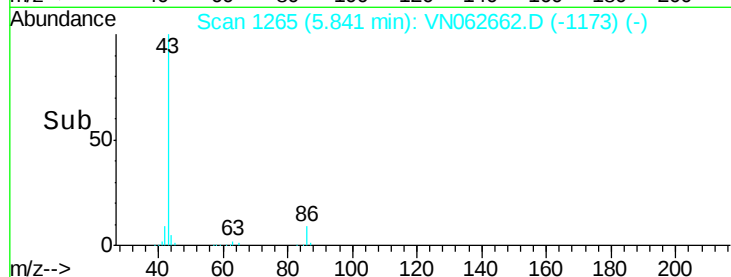
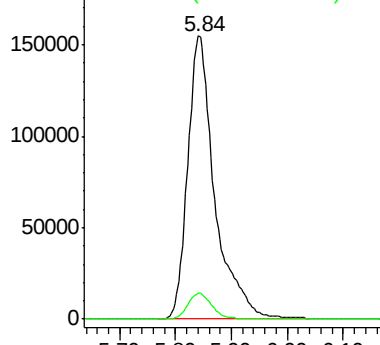
43 100

86 9.0 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.142 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

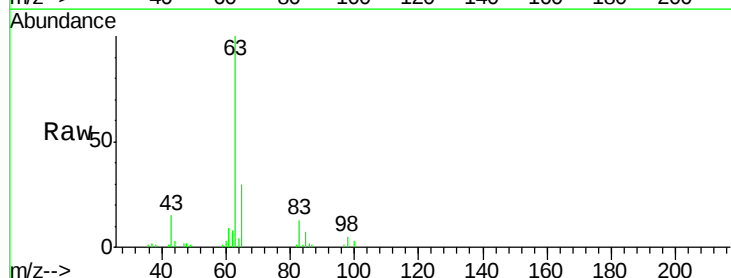
Tgt Ion: 63 Resp: 70918

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.8

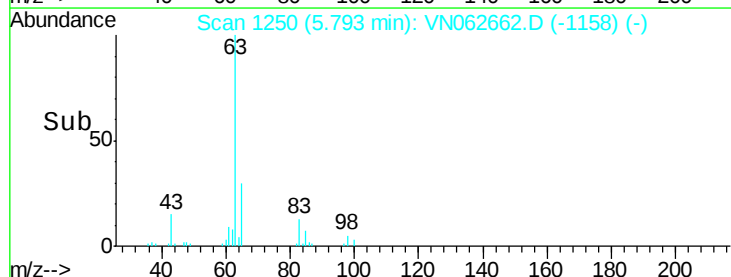
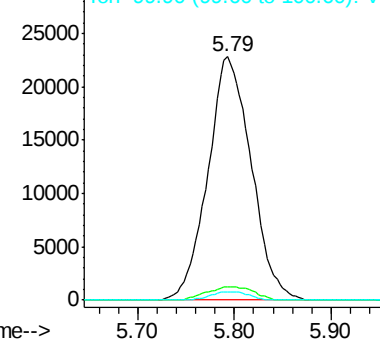
100 3.2 1.8 5.4

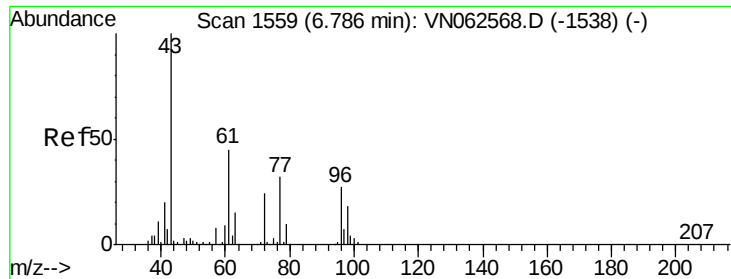


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

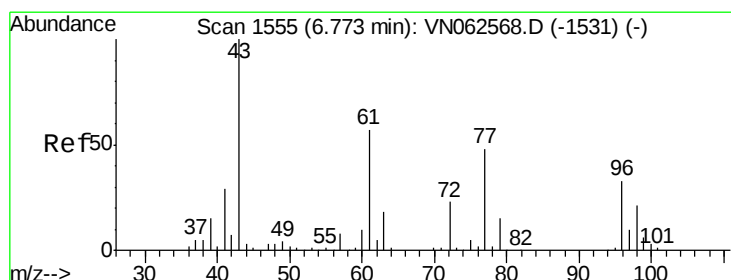
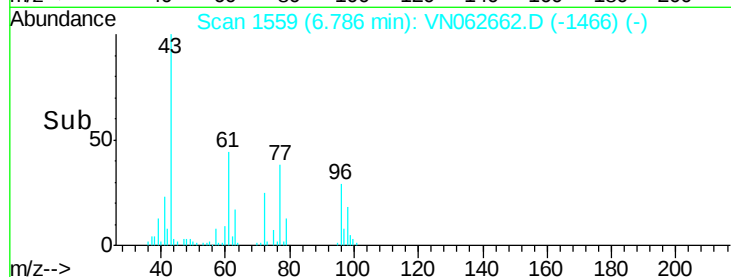
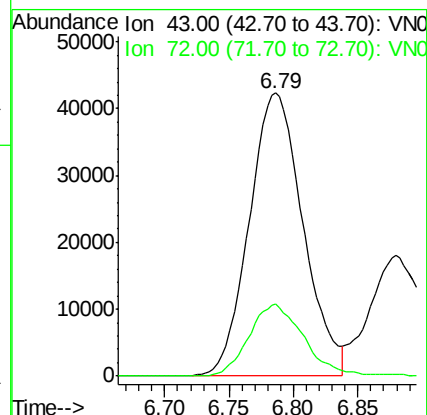
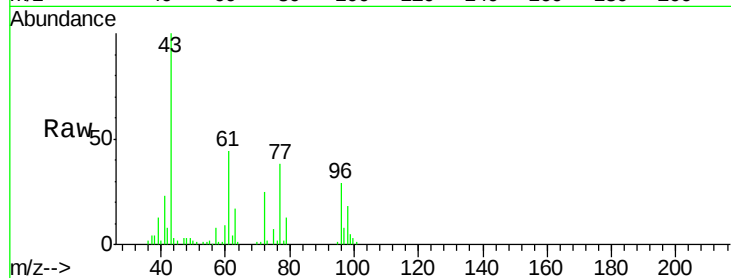




#25
 2-Butanone
 Concen: 86.903 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

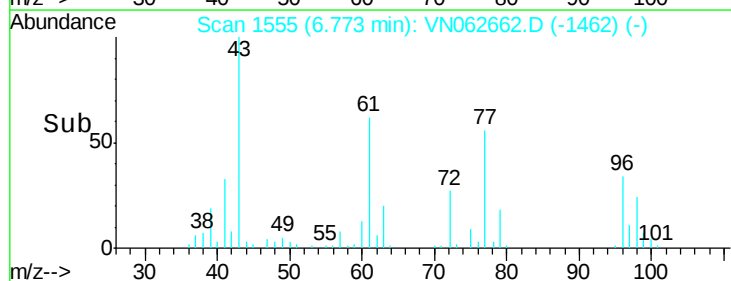
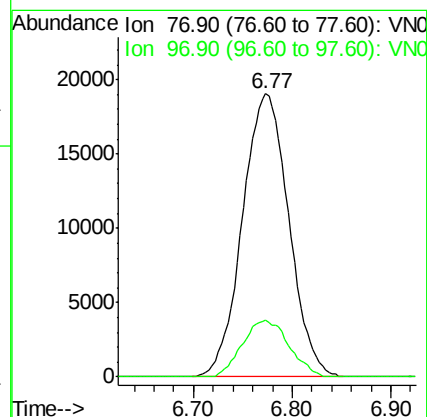
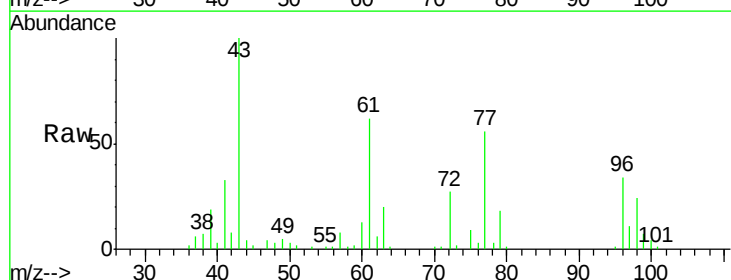
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

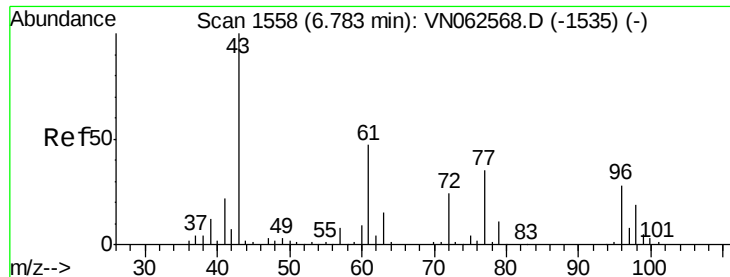
Tot Ion: 43 Resp: 121995
 Ion Ratio Lower Upper
 43 100
 72 25.4 19.0 28.6



#26
 2,2-Dichloropropane
 Concen: 19.314 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion: 77 Resp: 61980
 Ion Ratio Lower Upper
 77 100
 97 20.1 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 17.731 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

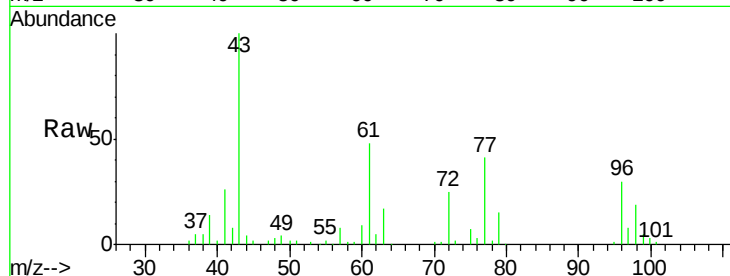
Tot Ion: 96 Resp: 37914

Ion Ratio Lower Upper

96 100

61 167.3 0.0 332.4

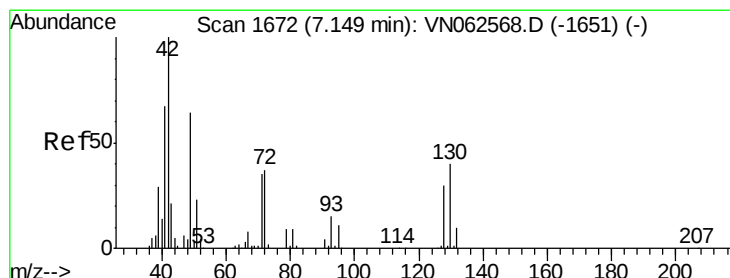
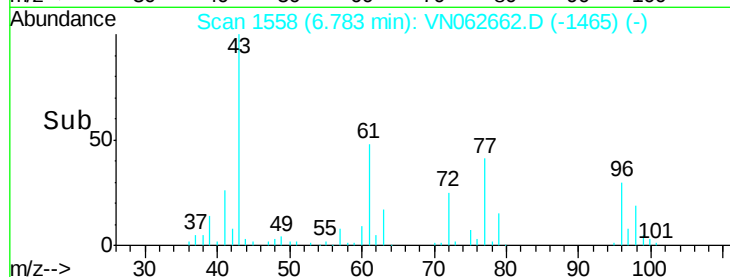
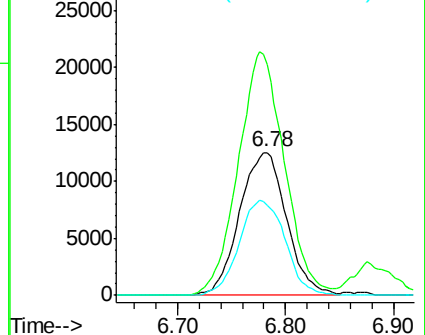
98 65.4 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.478 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

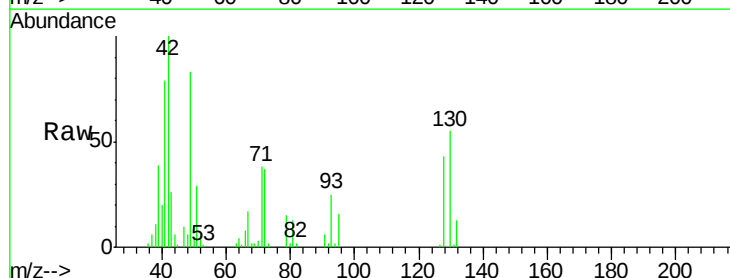
Tgt Ion: 49 Resp: 37471

Ion Ratio Lower Upper

49 100

129 0.1 0.0 3.4

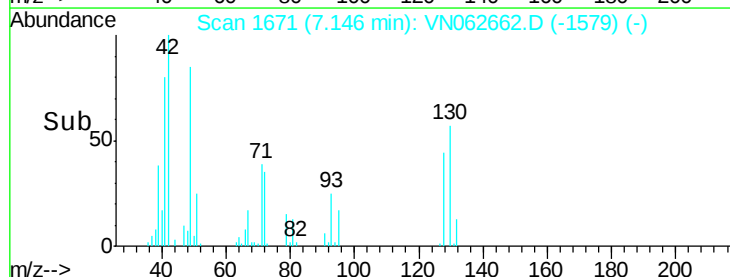
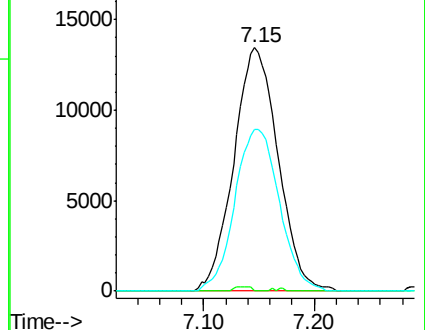
130 66.7 49.8 74.8

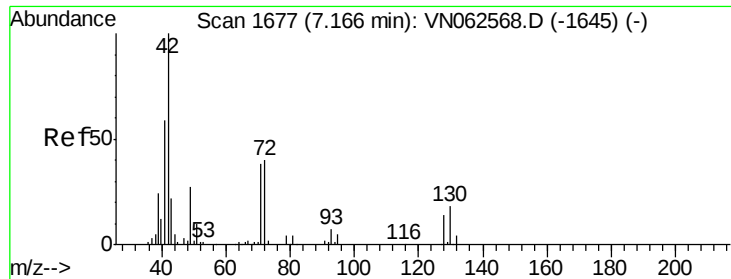


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

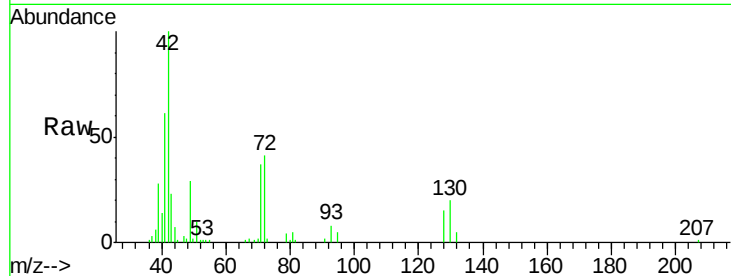




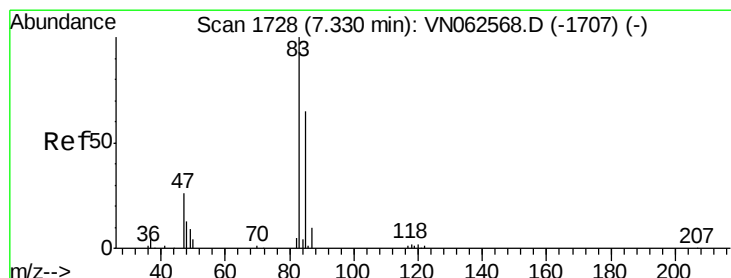
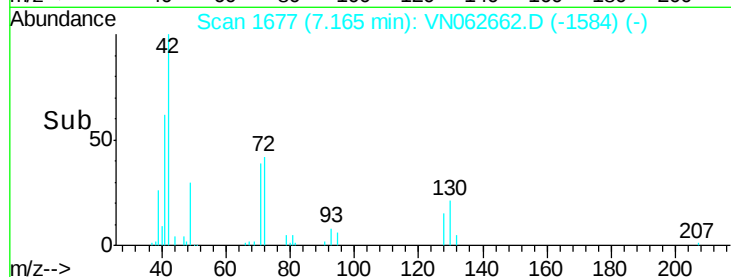
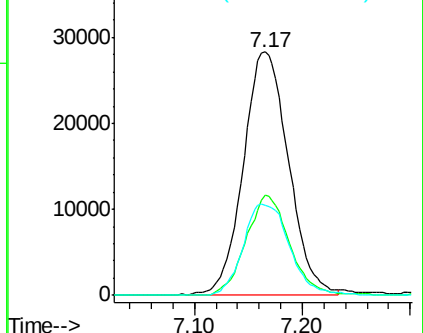
#29
Tetrahydrofuran
Concen: 87.018 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0730WBSD01

Tot Ion: 42 Resp: 82658
Ion Ratio Lower Upper
42 100
72 39.4 30.7 46.1
71 38.3 29.1 43.7

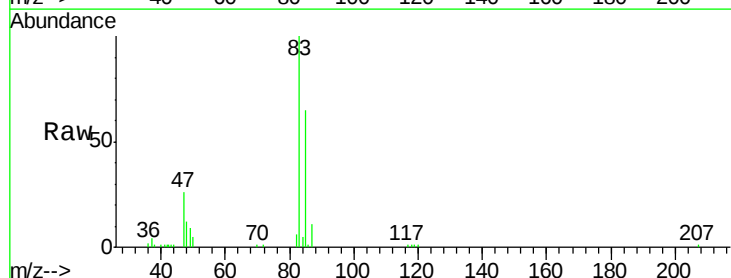


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

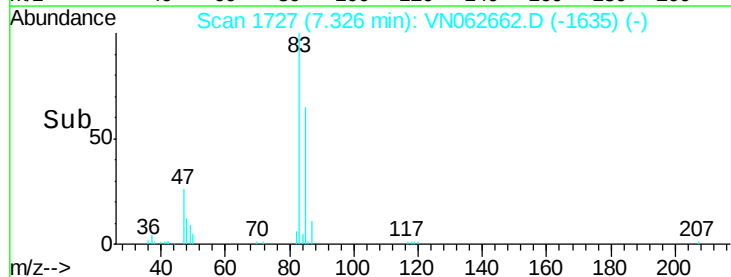
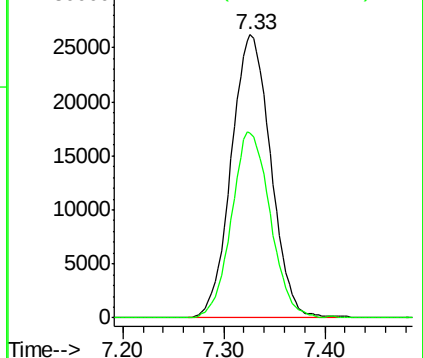


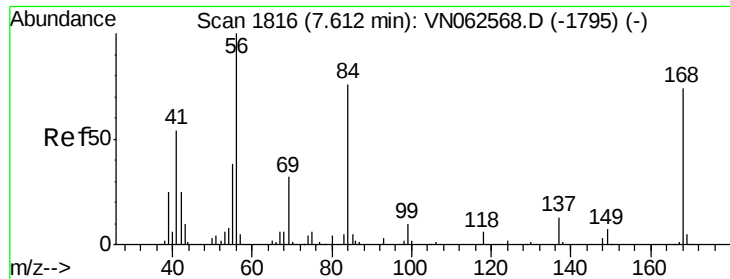
#30
Chloroform
Concen: 19.141 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 83 Resp: 71144
Ion Ratio Lower Upper
83 100
85 65.3 52.0 78.0



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

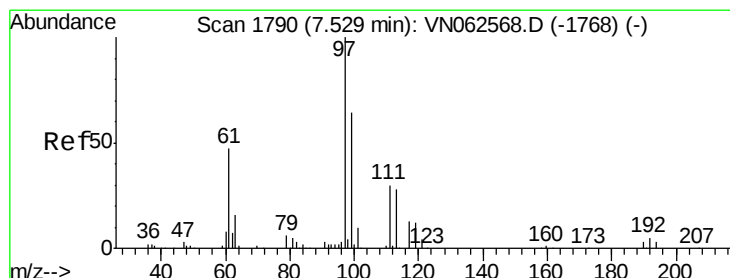
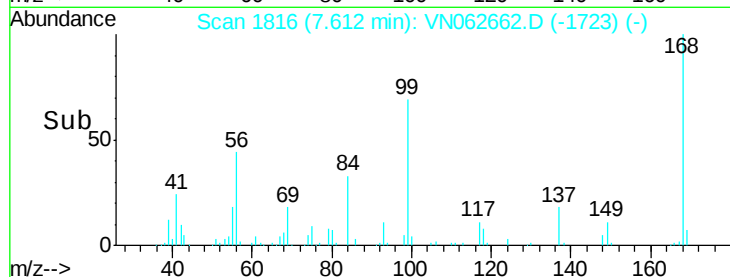
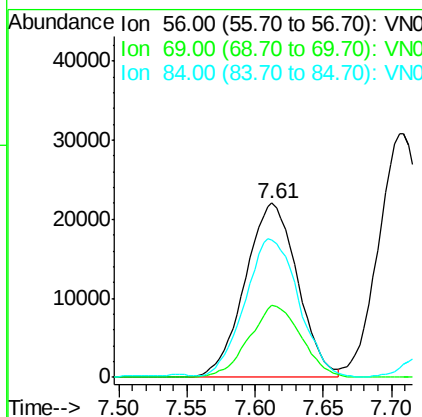
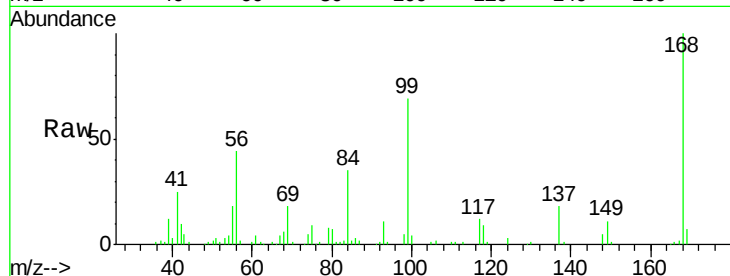




#31
Cyclohexane
Concen: 16.341 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

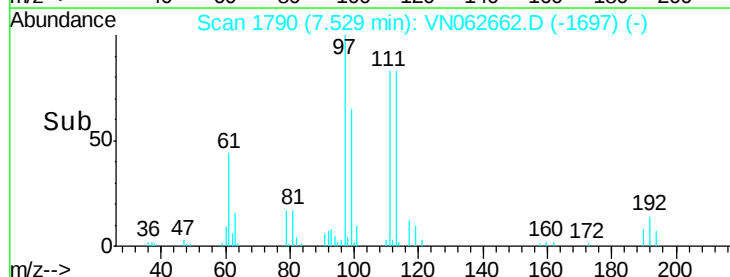
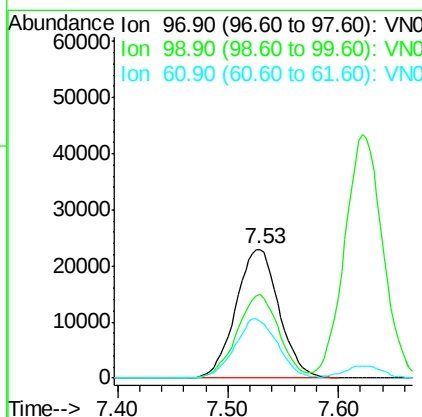
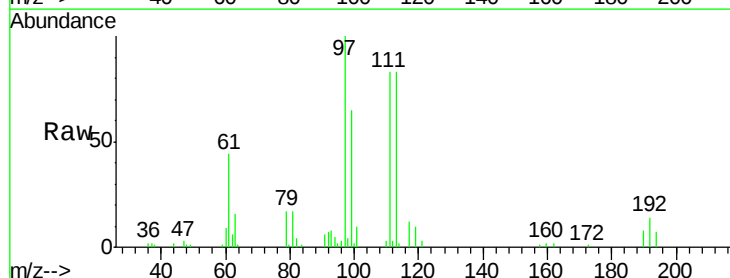
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

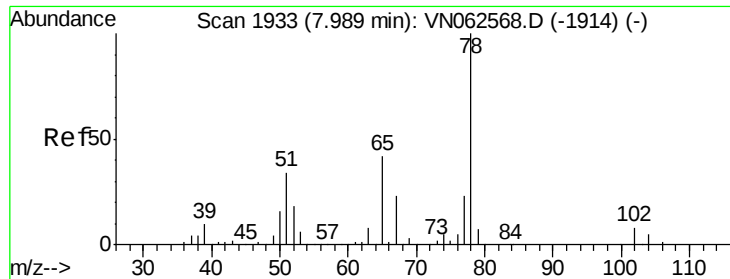
Tot Ion: 56 Resp: 58980
Ion Ratio Lower Upper
56 100
69 41.2 25.3 37.9#
84 77.7 61.0 91.4



#32
1,1,1-Trichloroethane
Concen: 20.097 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 97 Resp: 62363
Ion Ratio Lower Upper
97 100
99 63.4 51.2 76.8
61 45.6 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 52.595 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

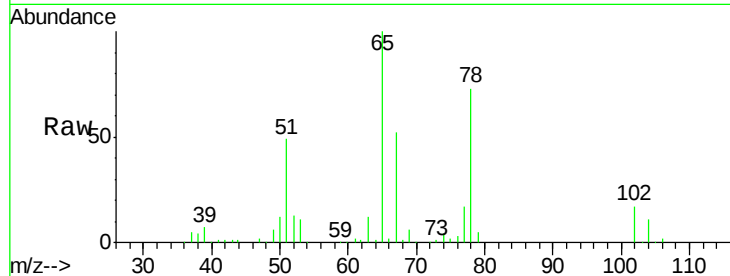
VN0730WBSD01

Tot Ion: 65 Resp: 128829

Ion Ratio Lower Upper

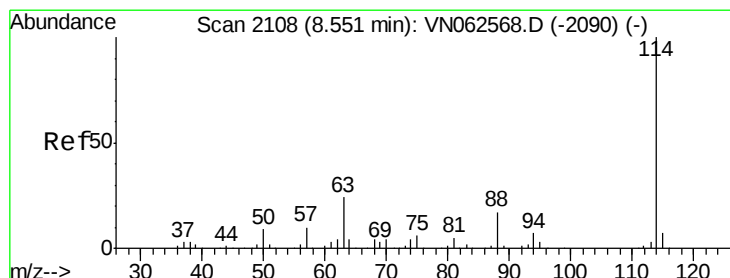
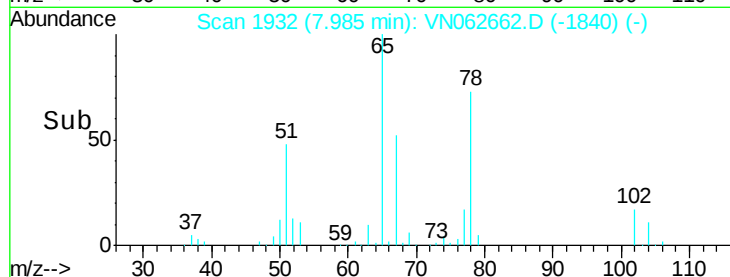
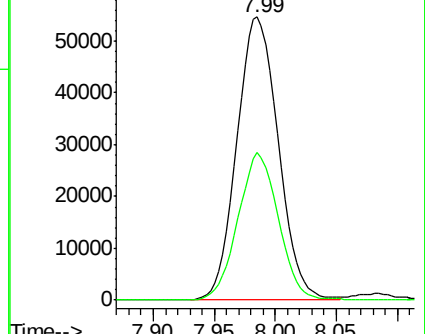
65 100

67 50.7 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062568.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062568.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

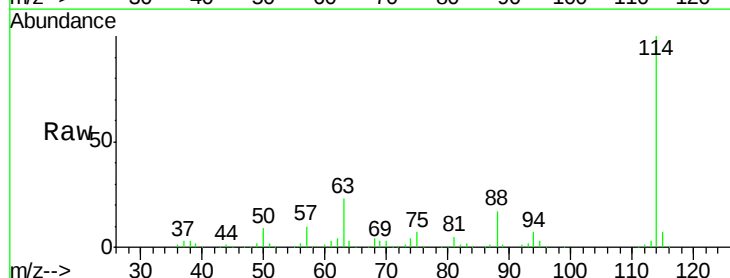
Tgt Ion: 114 Resp: 255882

Ion Ratio Lower Upper

114 100

63 23.0 0.0 48.4

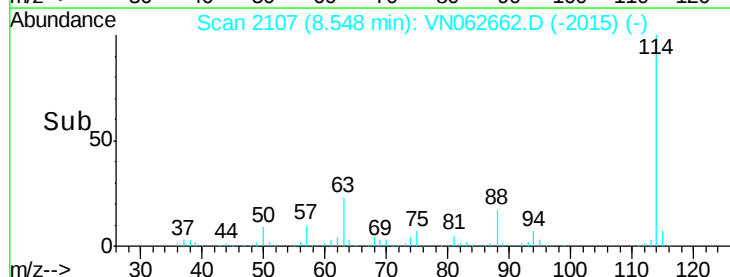
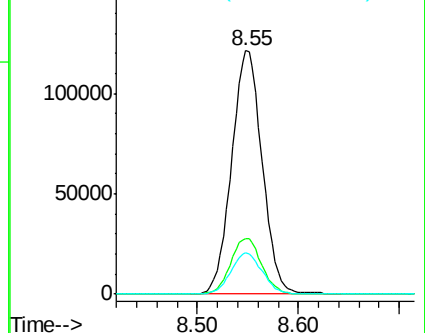
88 17.1 0.0 33.8

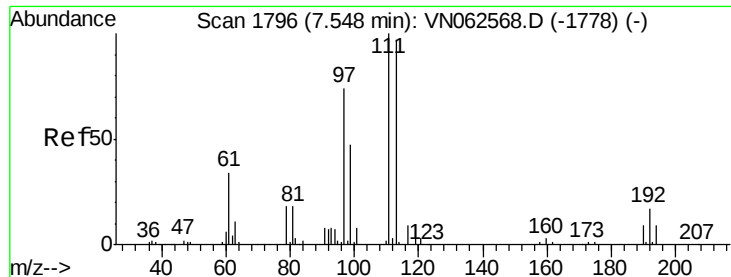


Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062568.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062568.D (-2090) (-)

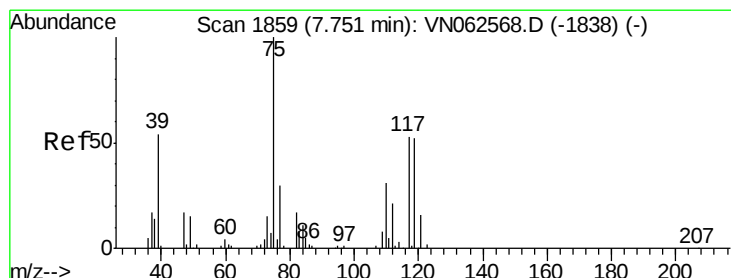
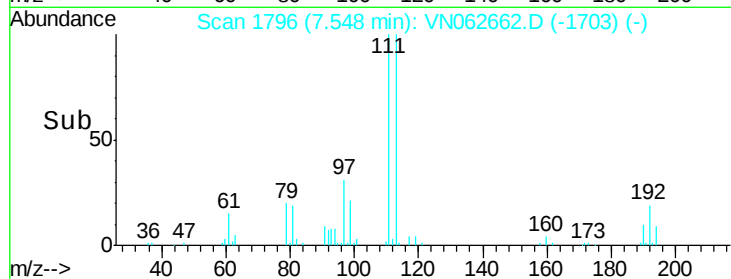
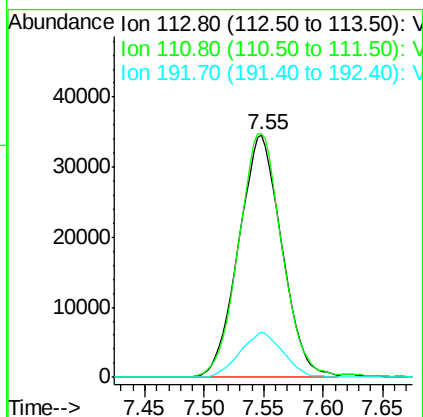
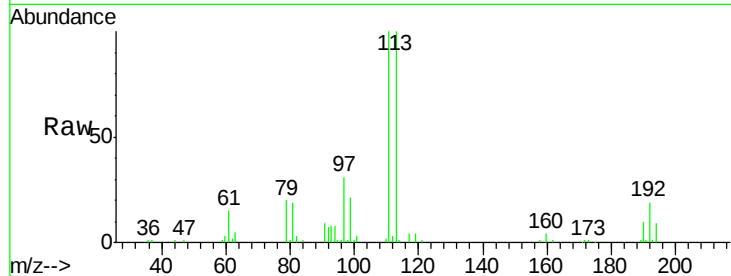




#35
 Dibromofluoromethane
 Concen: 51.621 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

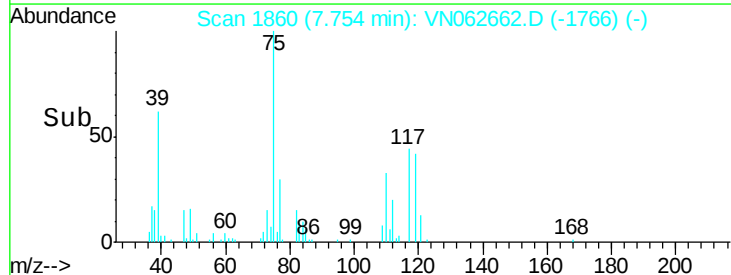
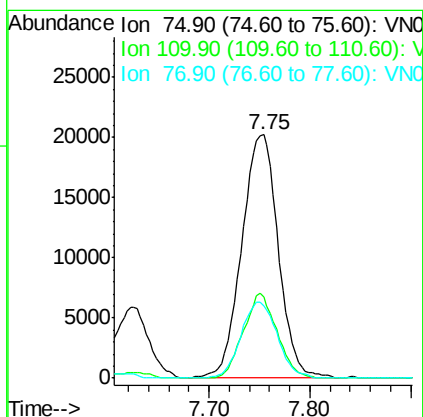
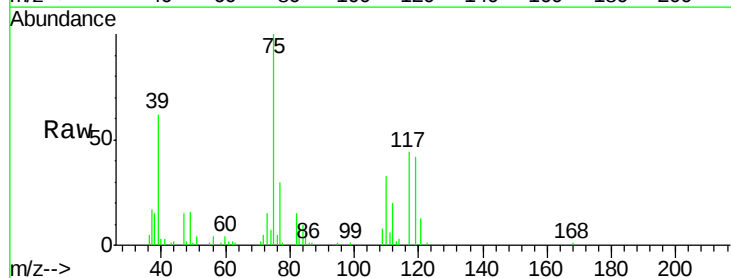
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

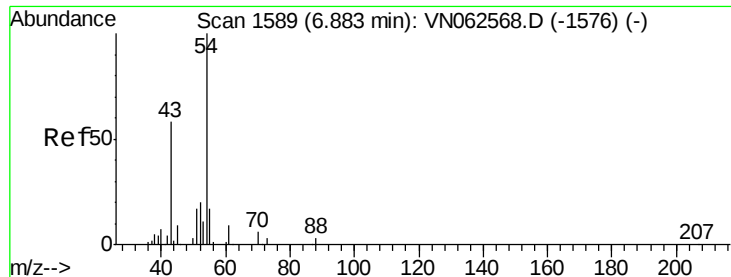
Tot Ion:113 Resp: 86763
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.7 124.1
 192 18.4 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 18.632 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion: 75 Resp: 50818
 Ion Ratio Lower Upper
 75 100
 110 32.1 16.0 48.0
 77 30.9 24.6 36.8

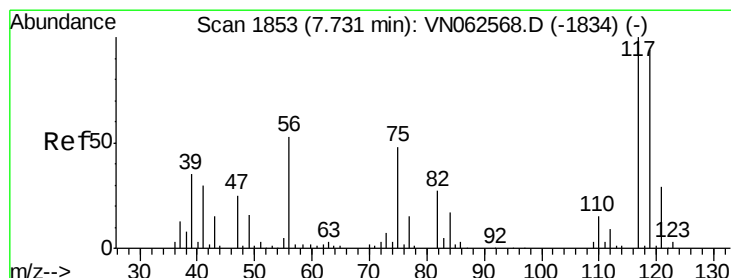
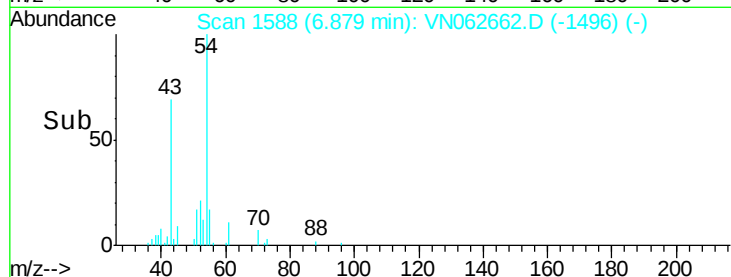
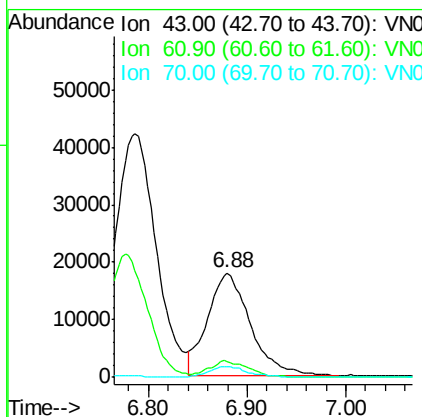
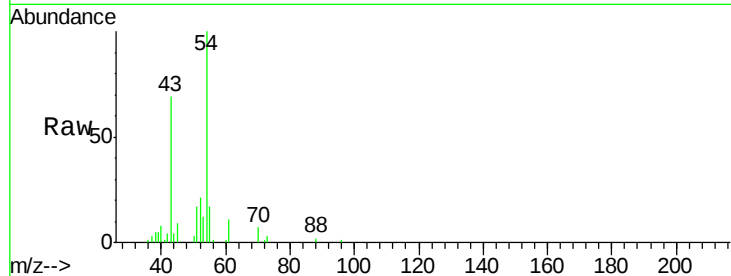




#37
Ethyl Acetate
Concen: 18.439 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

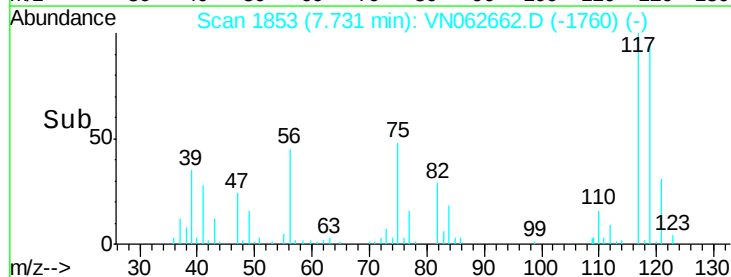
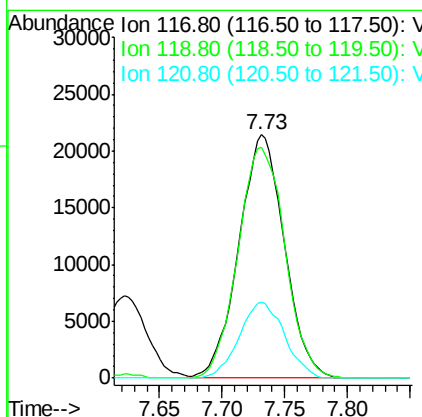
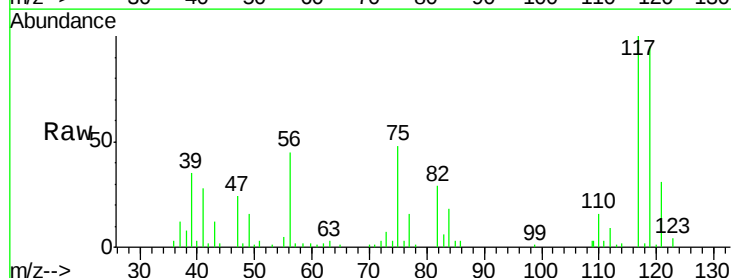
Instrument :
MSVOA_N
ClientSampled :
VN0730WBSD01

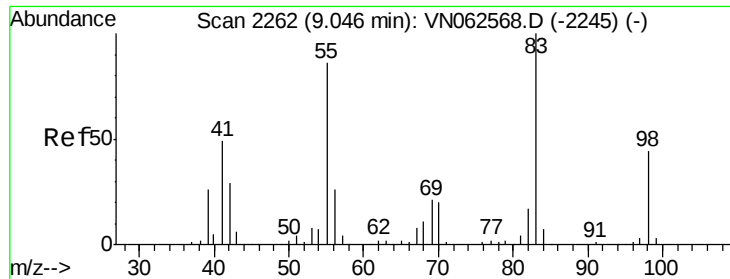
Tot Ion: 43 Resp: 54212
Ion Ratio Lower Upper
43 100
61 14.2 11.3 16.9
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 20.651 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 117 Resp: 54141
Ion Ratio Lower Upper
117 100
119 94.9 74.8 112.2
121 31.4 23.0 34.6

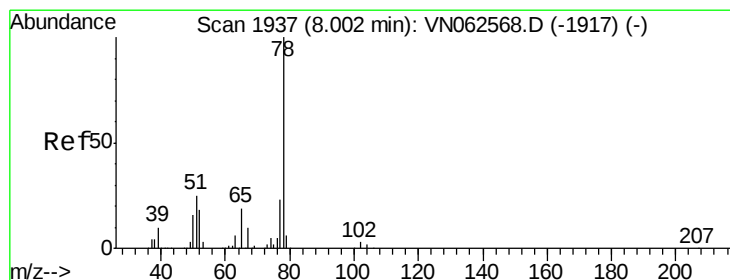
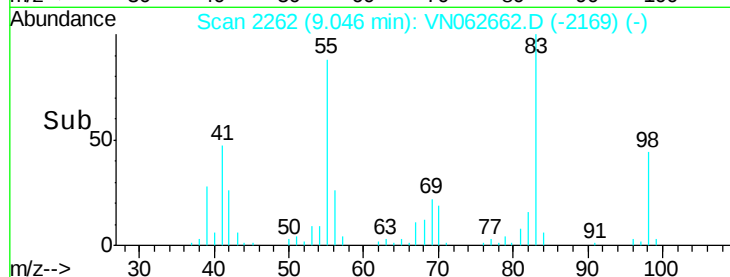
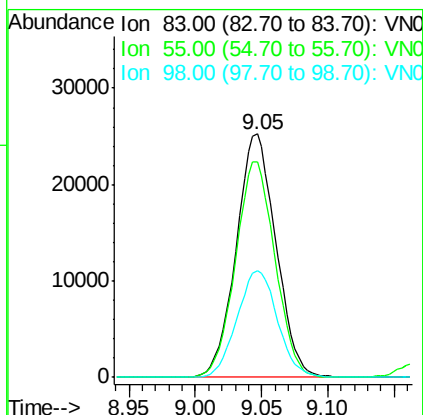
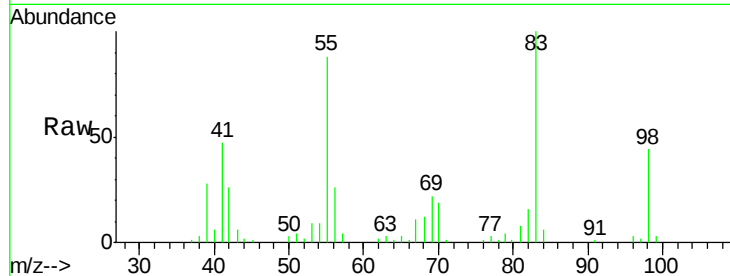




#39
Methvlcvclohexane
Concen: 17.919 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

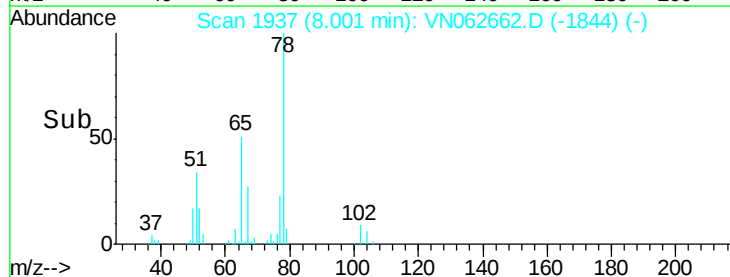
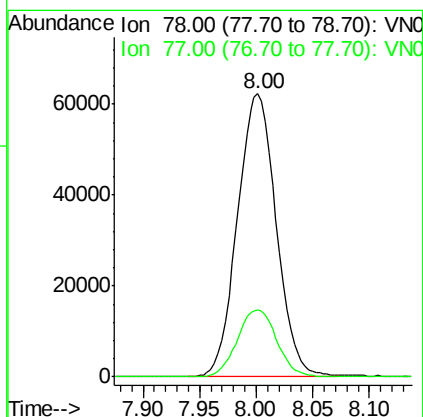
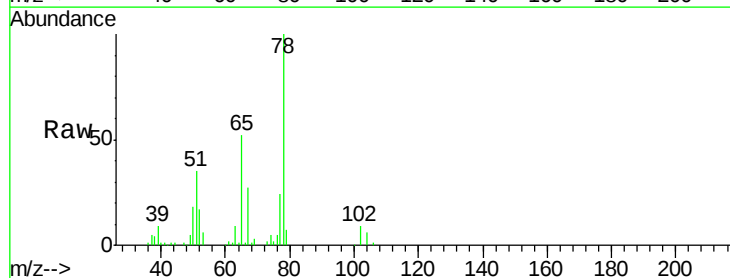
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

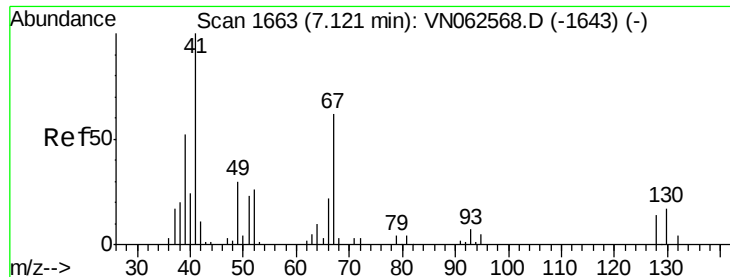
Tot Ion: 83 Resp: 52611
Ion Ratio Lower Upper
83 100
55 88.3 68.9 103.3
98 44.0 35.1 52.7



#40
Benzene
Concen: 18.021 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 78 Resp: 148801
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1

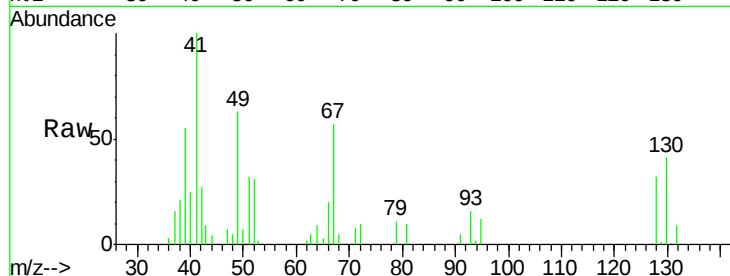




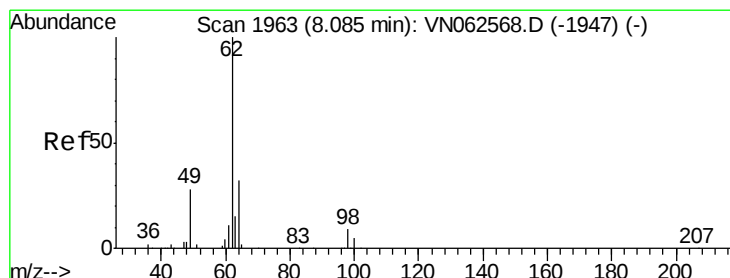
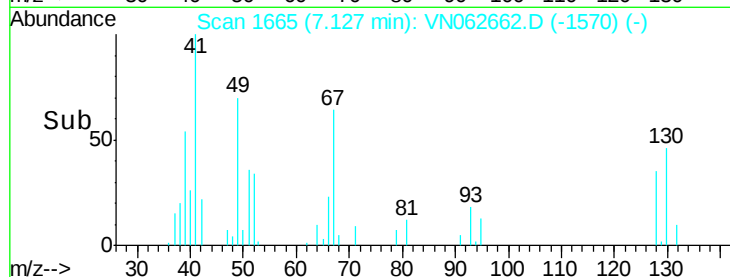
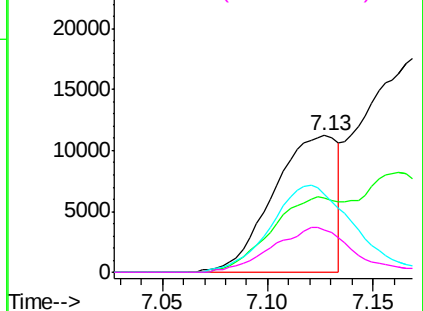
#41
Methacrylonitrile
Concen: 18.890 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Instrument :
MSVOA_N
ClientSampled :
VN0730WBSD01

Tot Ion: 41 Resp: 23802
Ion Ratio Lower Upper
41 100
39 55.3 55.8 83.6#
67 82.6 72.5 108.7
52 41.6 31.8 47.8

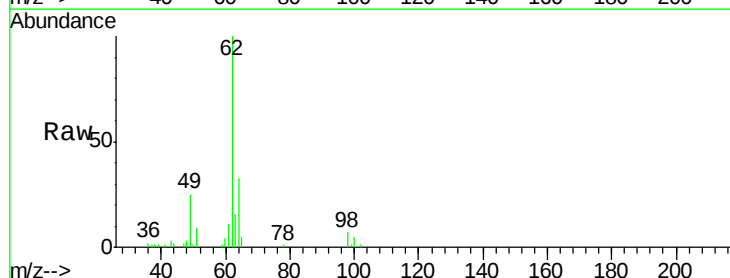


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

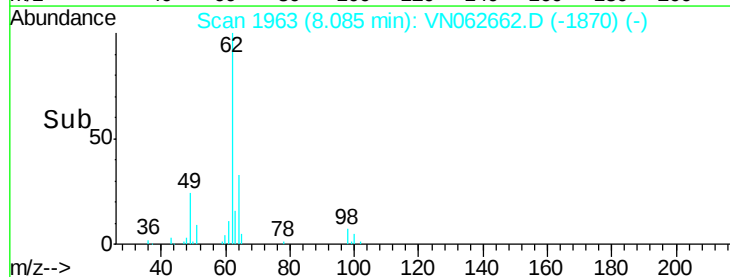
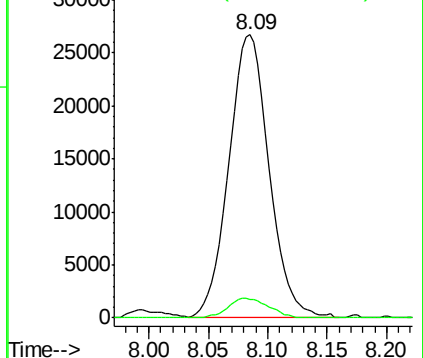


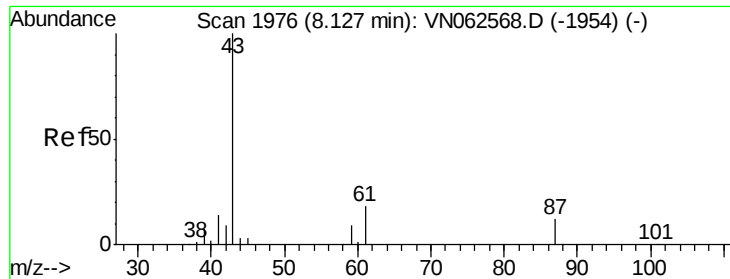
#42
1,2-Dichloroethane
Concen: 20.777 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 62 Resp: 62722
Ion Ratio Lower Upper
62 100
98 7.0 0.0 16.2



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





#43

Isopropyl Acetate

Concen: 18.374 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

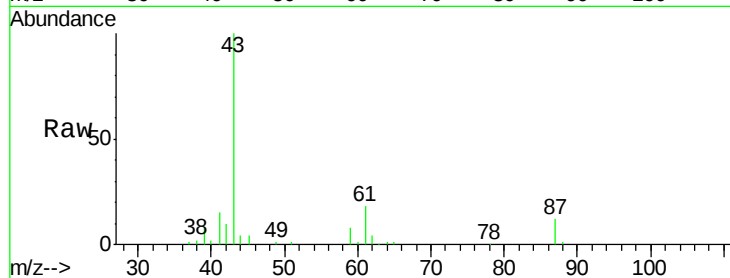
Tot Ion: 43 Resp: 87084

Ion Ratio Lower Upper

43 100

61 26.3 20.8 31.2

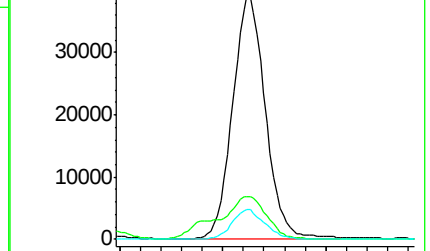
87 12.1 9.2 13.8



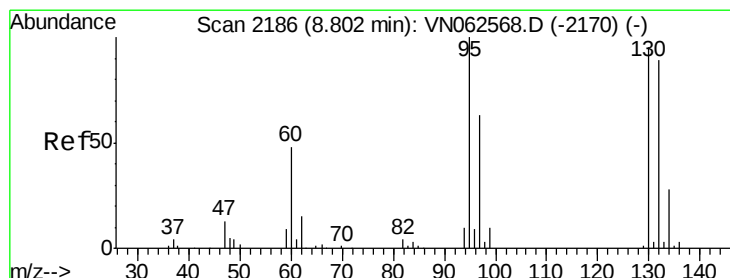
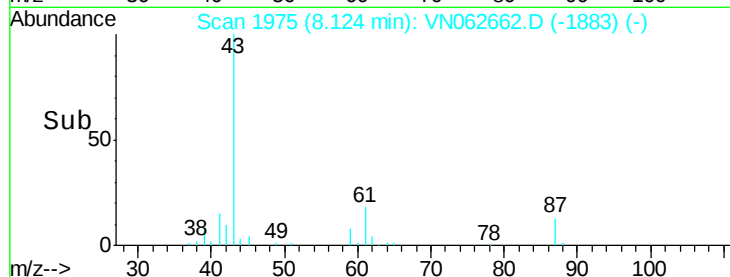
Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1954) (-)

Ion 61.00 (60.70 to 61.70): VN062568.D (-1954) (-)

Ion 87.00 (86.70 to 87.70): VN062568.D (-1954) (-)



Time-->



#44

Trichloroethene

Concen: 18.256 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062662.D

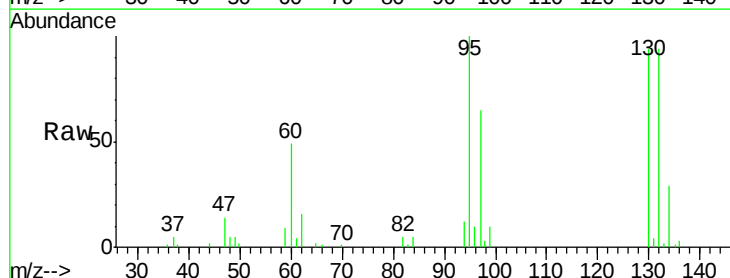
Acq: 30 Jul 2020 11:27

Tgt Ion:130 Resp: 33995

Ion Ratio Lower Upper

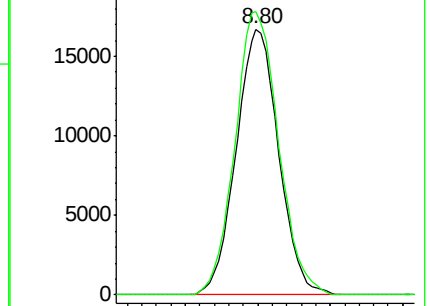
130 100

95 106.5 0.0 210.4

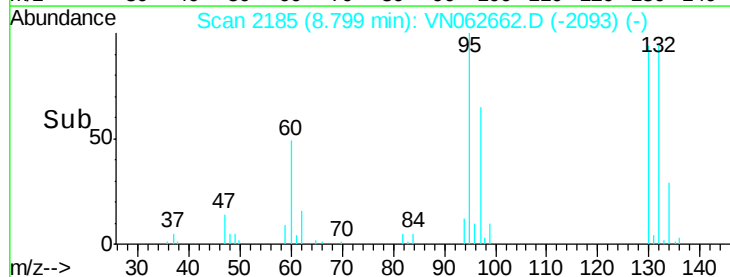


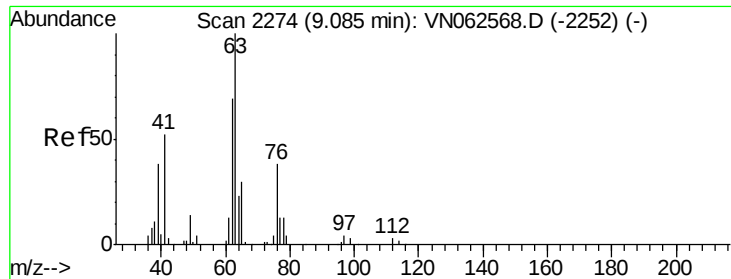
Abundance Ion 129.80 (129.50 to 130.50): VN062568.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062568.D (-2170) (-)



Time-->

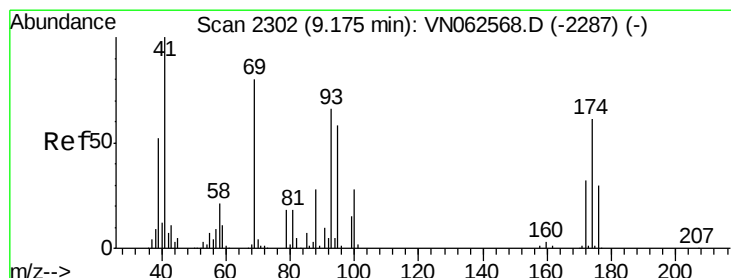
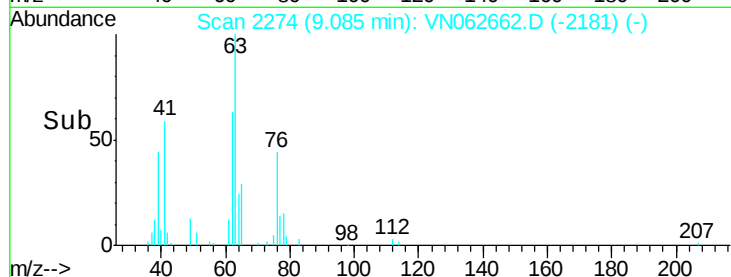
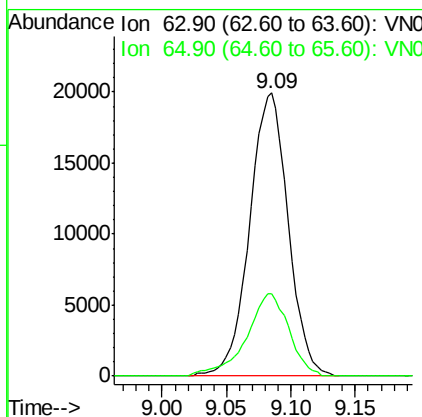
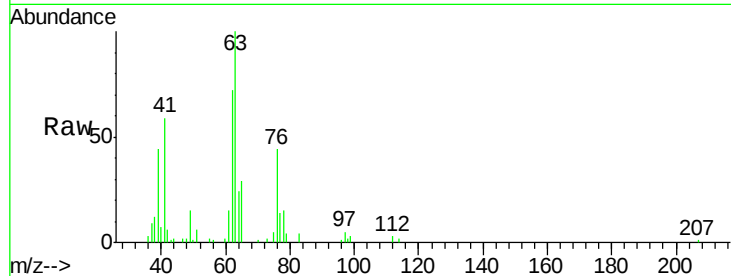




#45
 1,2-Dichloropropane
 Concen: 17.932 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

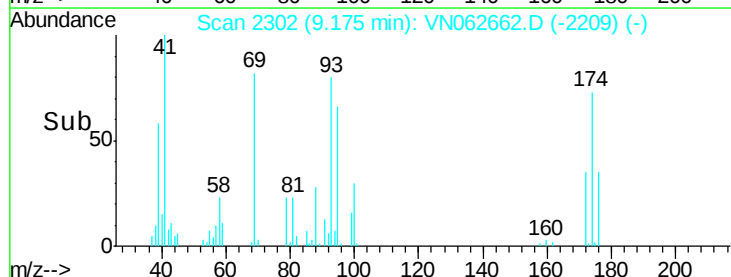
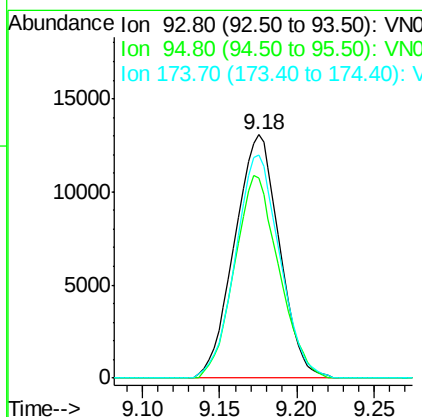
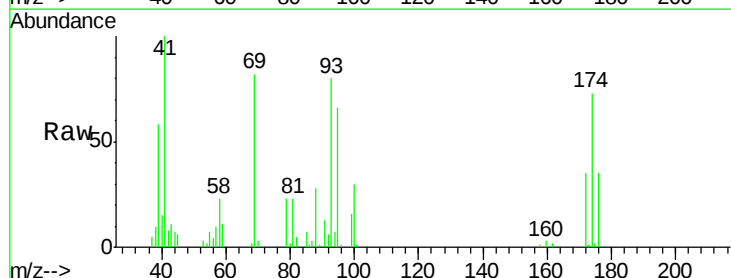
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

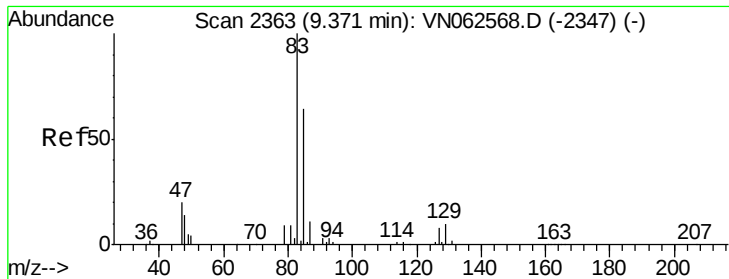
Tot Ion: 63 Resp: 41573
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.4 36.6



#46
 Dibromomethane
 Concen: 19.687 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion: 93 Resp: 26380
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.6 101.4
 174 90.7 72.5 108.7





#47

Bromodichloromethane

Concen: 20.000 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

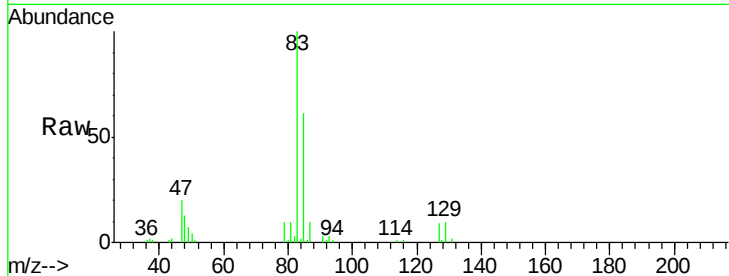
Tot Ion: 83 Resp: 58059

Ion Ratio Lower Upper

83 100

85 61.4 51.6 77.4

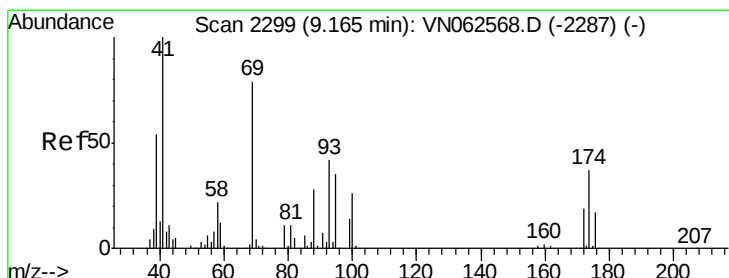
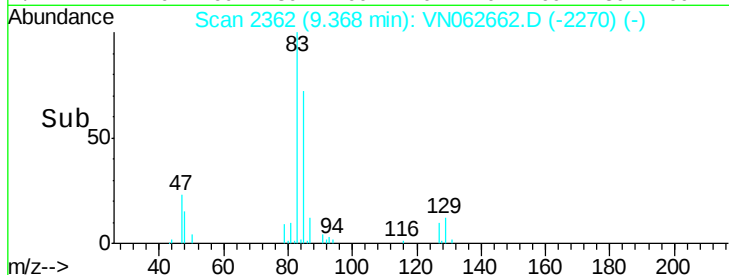
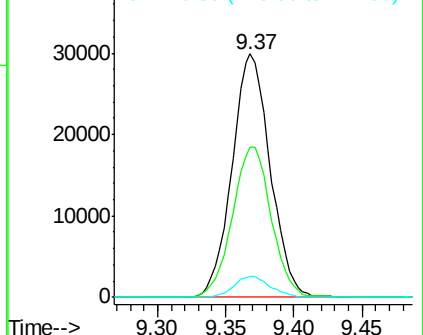
127 8.6 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN062662.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062662.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062662.D (-2270) (-)



#48

Methyl methacrylate

Concen: 18.736 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

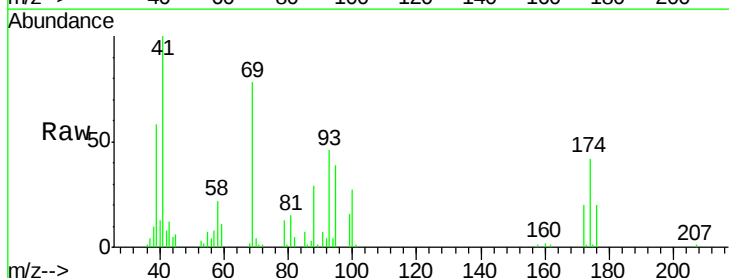
Tgt Ion: 41 Resp: 42212

Ion Ratio Lower Upper

41 100

69 80.3 64.4 96.6

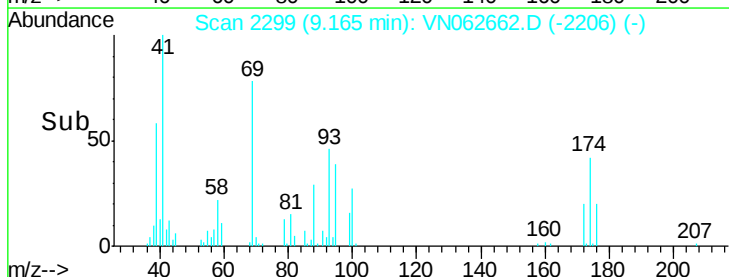
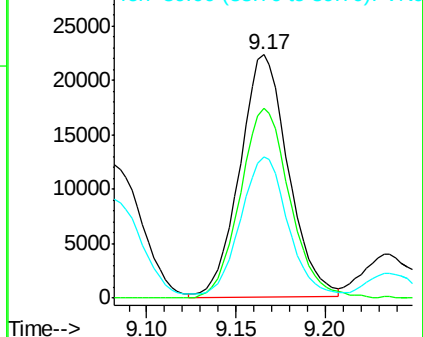
39 58.2 43.5 65.3



Abundance Ion 41.00 (40.70 to 41.70): VN062662.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN062662.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN062662.D (-2206) (-)

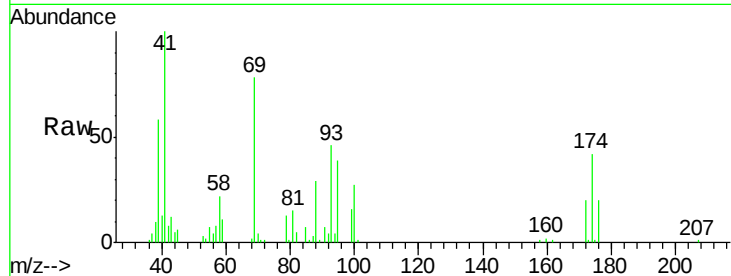




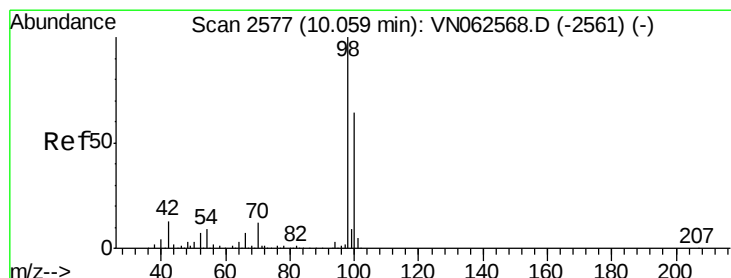
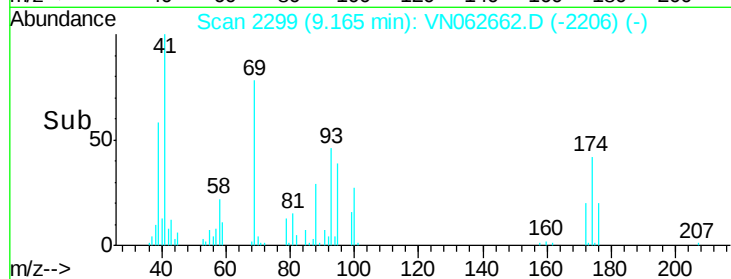
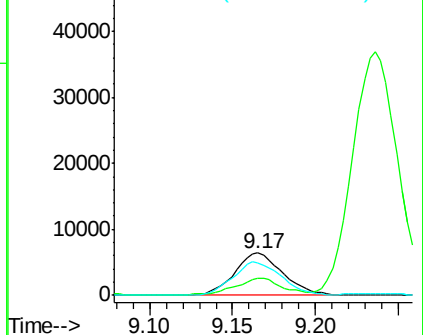
#49
1,4-Dioxane
Concen: 373.660 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

Tot Ion: 88 Resp: 12930
Ion Ratio Lower Upper
88 100
43 39.7 32.0 48.0
58 79.7 62.8 94.2

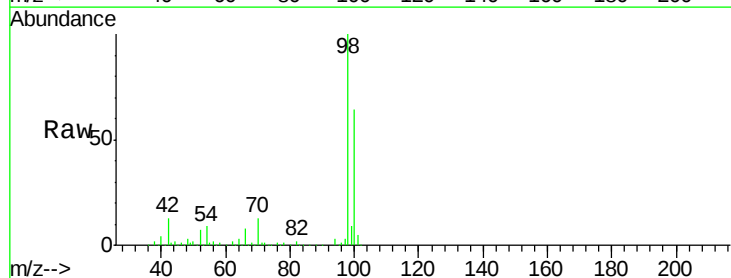


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

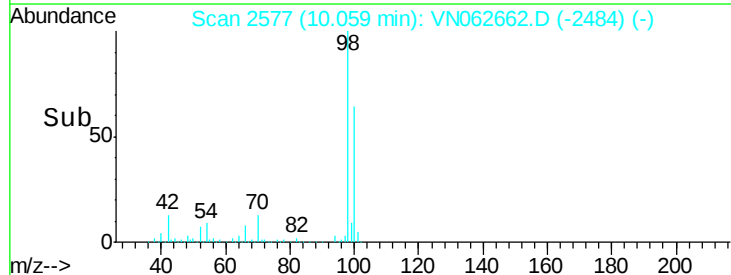
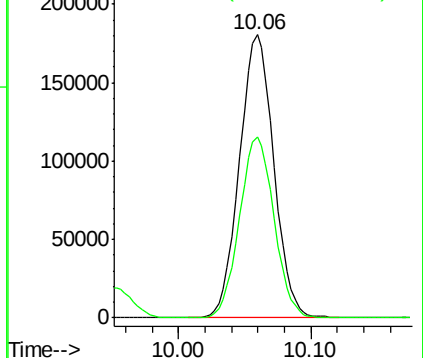


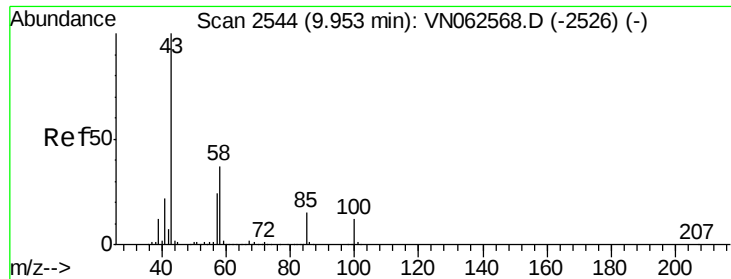
#50
Toluene-d8
Concen: 48.413 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 98 Resp: 324670
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



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: 93.146 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

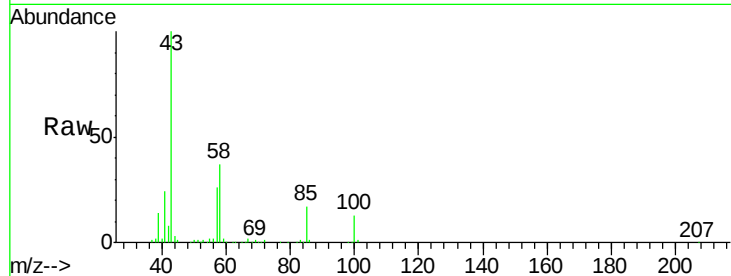
VN0730WBSD01

Tot Ion: 43 Resp: 264149

Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

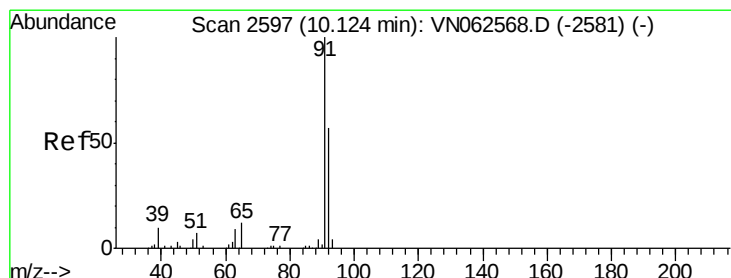
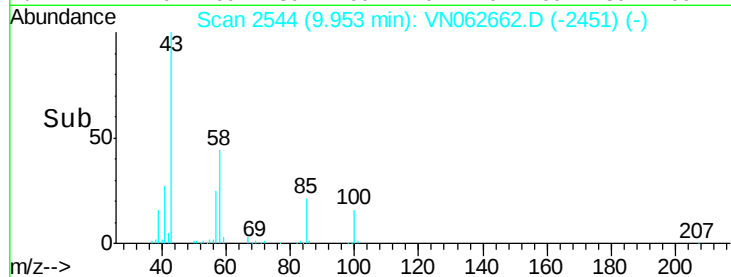
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.131 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062662.D

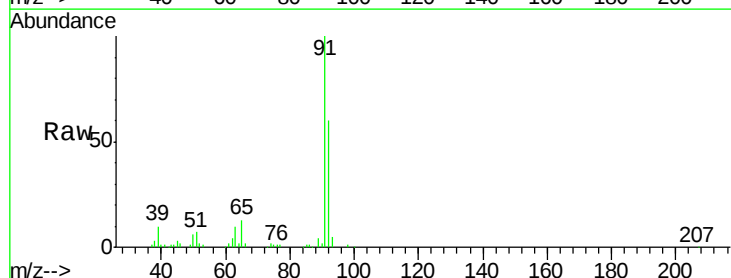
Acq: 30 Jul 2020 11:27

Tgt Ion: 92 Resp: 91729

Ion Ratio Lower Upper

92 100

91 170.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

100000

80000

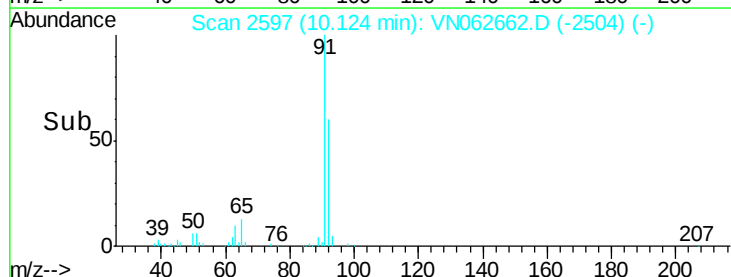
60000

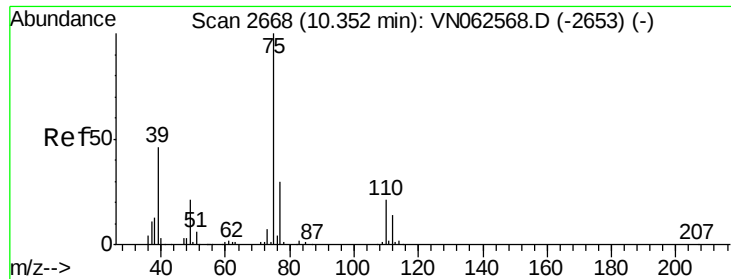
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.329 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

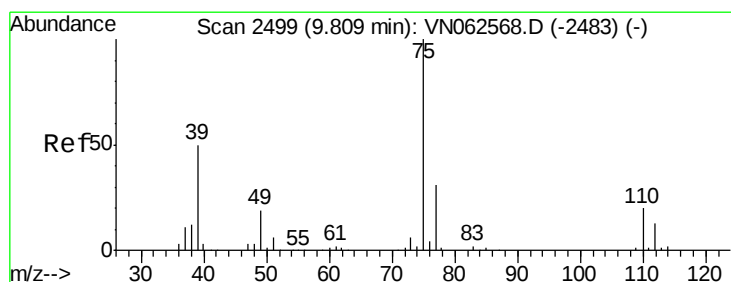
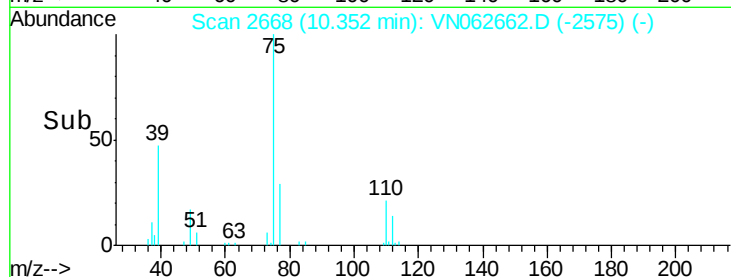
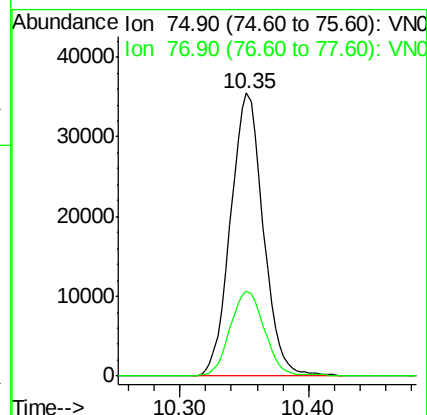
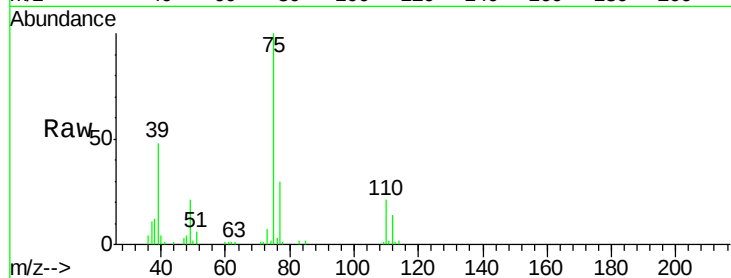
VN0730WBSD01

Tot Ion: 75 Resp: 62466

Ion Ratio Lower Upper

75 100

77 30.1 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 19.020 ug/l

RT: 9.81 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

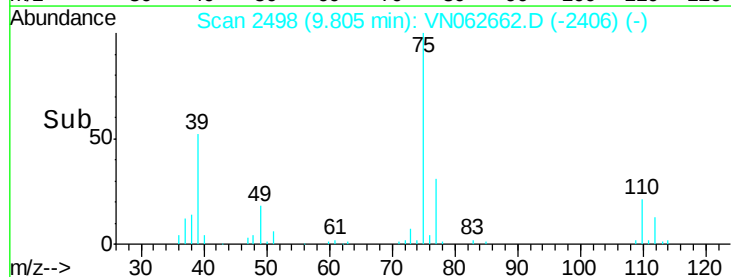
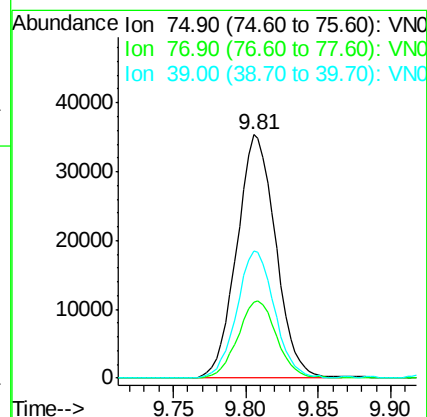
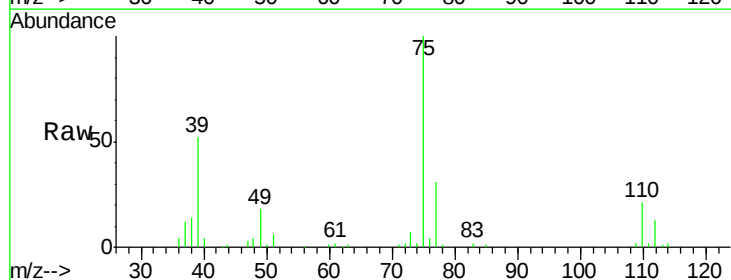
Tgt Ion: 75 Resp: 65956

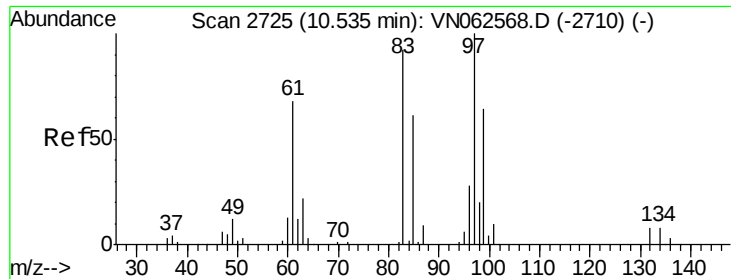
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 52.1 39.8 59.8

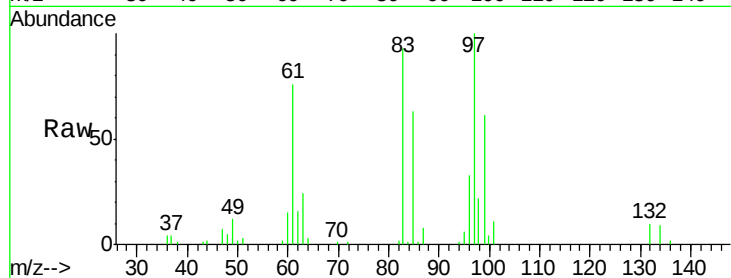




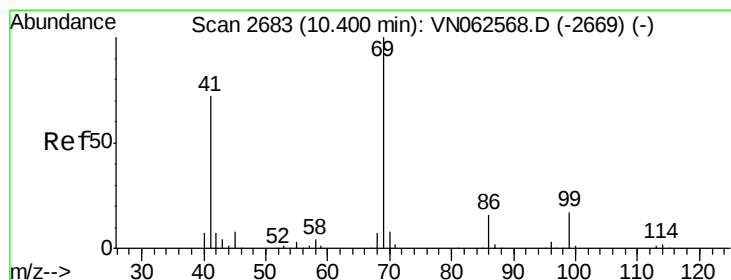
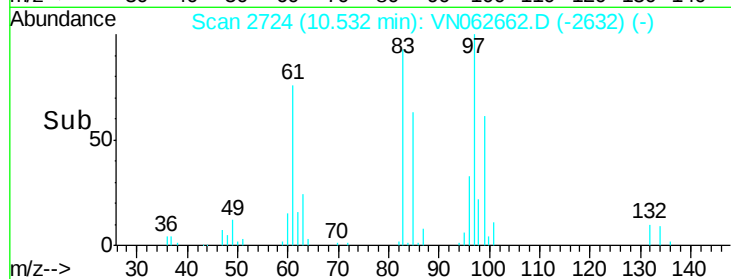
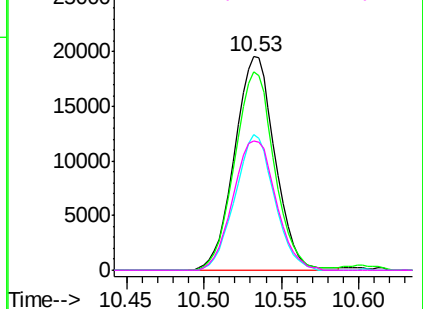
#55
 1,1,2-Trichloroethane
 Concen: 19.101 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

Tot Ion: 97 Resp: 35525
 Ion Ratio Lower Upper
 97 100
 83 93.0 73.7 110.5
 85 63.4 48.5 72.7
 99 60.6 50.8 76.2

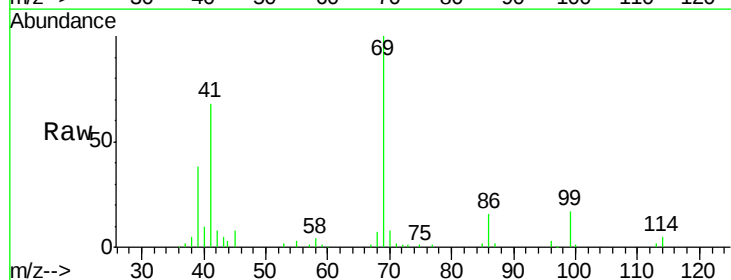


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

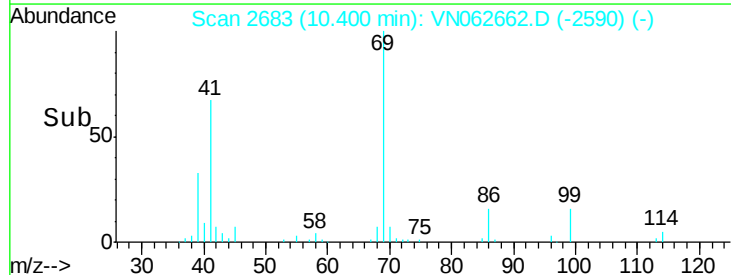
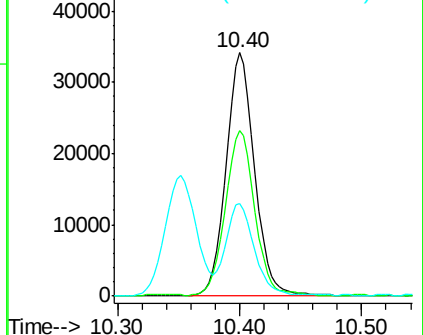


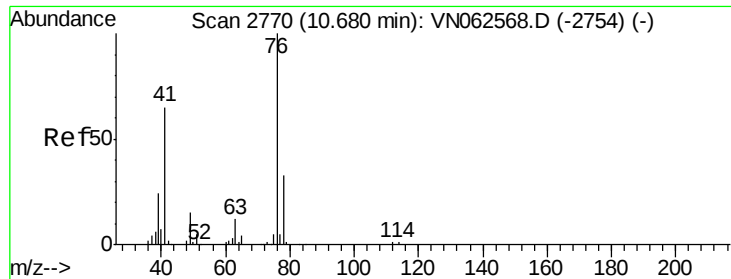
#56
 Ethyl methacrylate
 Concen: 17.908 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion: 69 Resp: 55874
 Ion Ratio Lower Upper
 69 100
 41 70.7 57.2 85.8
 39 36.9 28.6 43.0



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

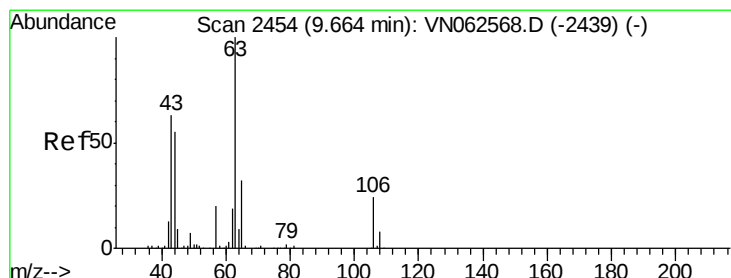
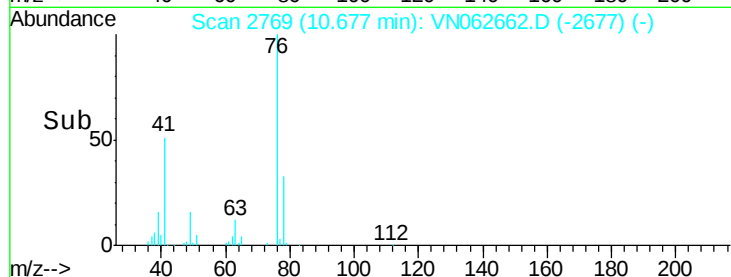
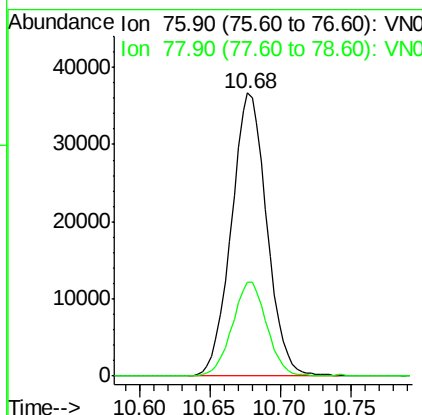
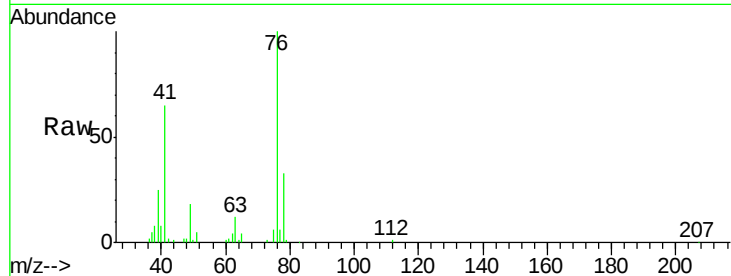




#57
 1,3-Dichloropropane
 Concen: 18.947 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

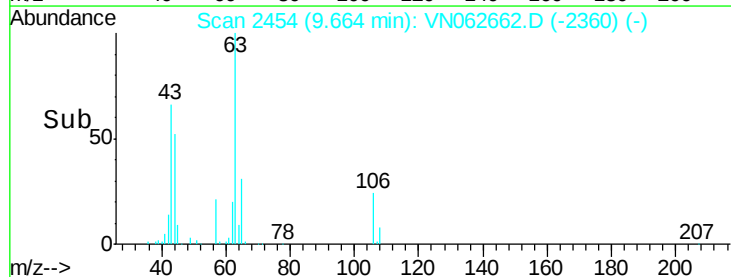
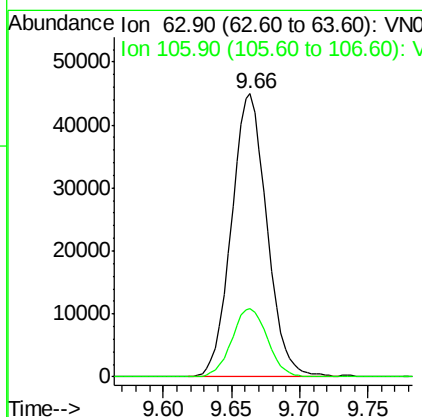
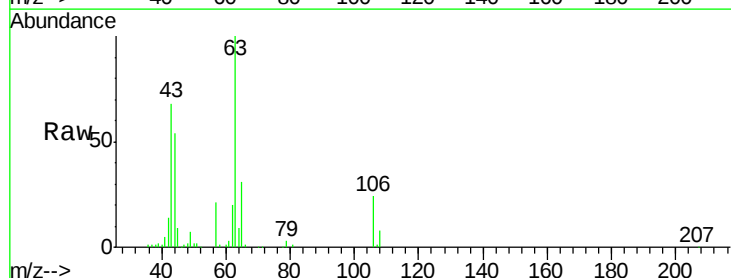
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

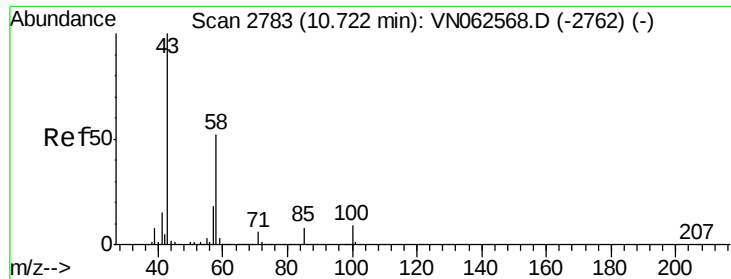
Tot Ion: 76 Resp: 64556
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.752 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion: 63 Resp: 80950
 Ion Ratio Lower Upper
 63 100
 106 24.2 18.9 28.3

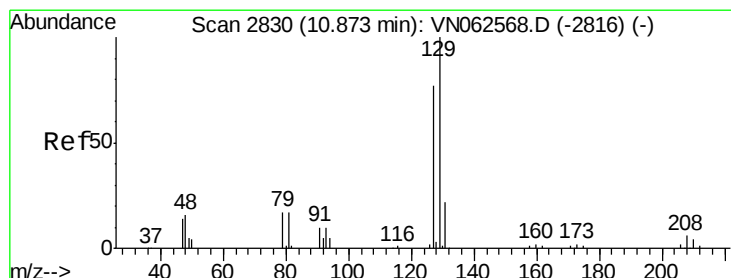
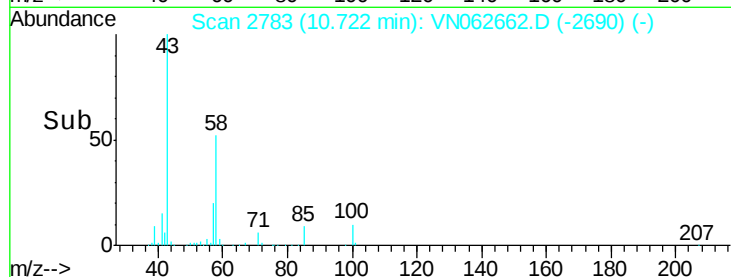
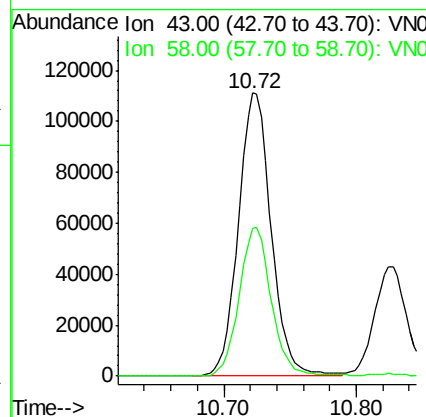
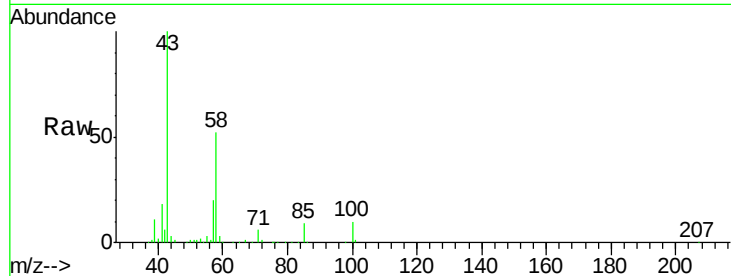




#59
2-Hexanone
Concen: 88.926 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

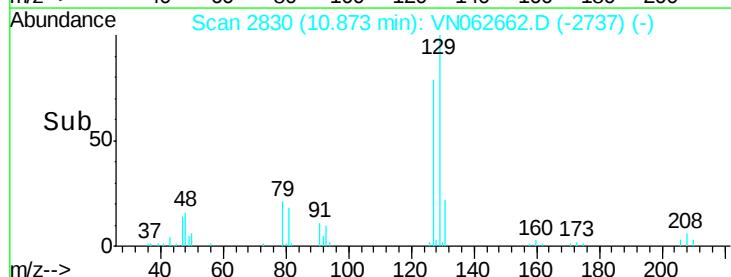
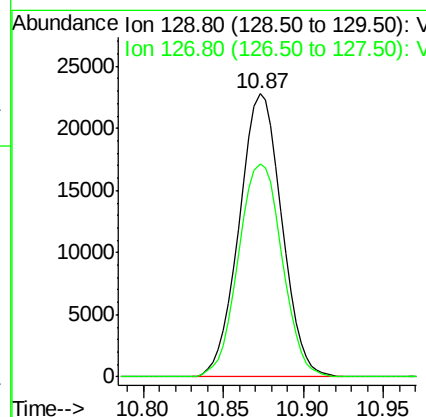
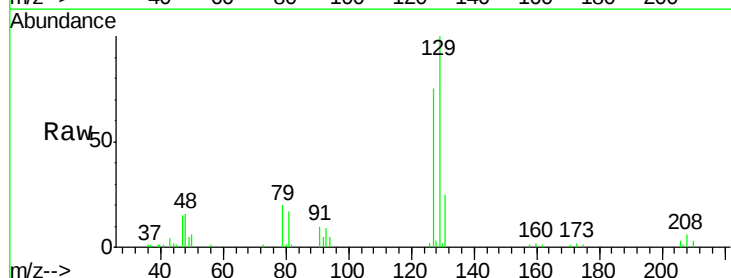
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

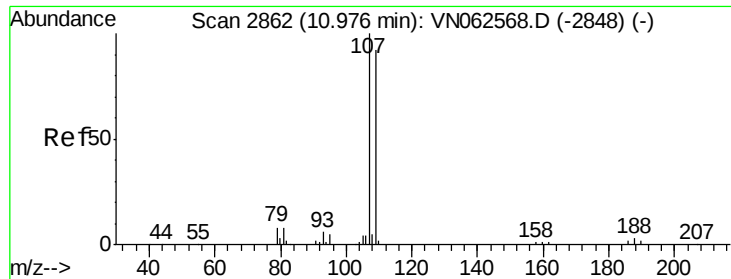
Tot Ion: 43 Resp: 190798
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0



#60
Dibromochloromethane
Concen: 19.970 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 129 Resp: 41434
Ion Ratio Lower Upper
129 100
127 77.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.944 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

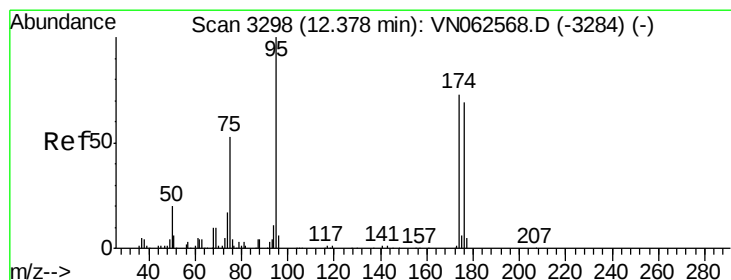
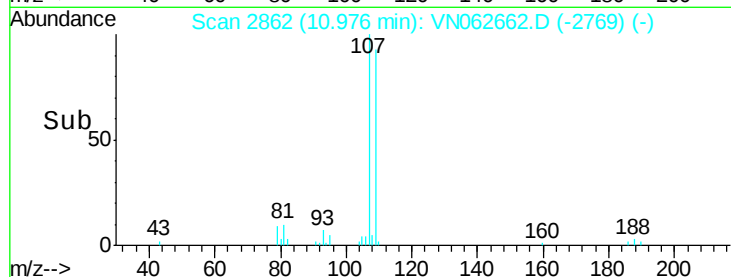
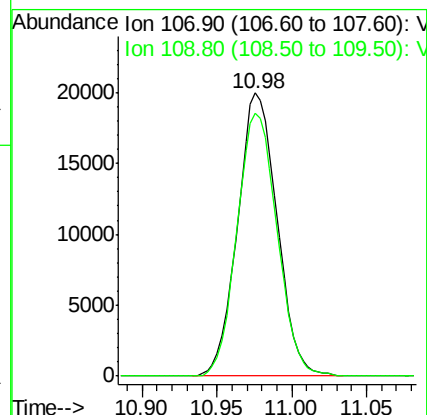
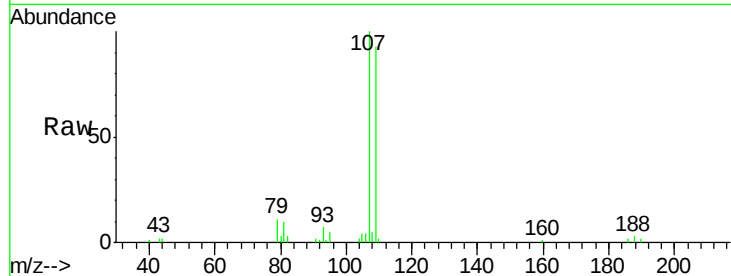
VN0730WBSD01

Tot Ion:107 Resp: 36687

Ion Ratio Lower Upper

107 100

109 94.3 73.8 110.6



#62

4-Bromofluorobenzene

Concen: 48.584 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

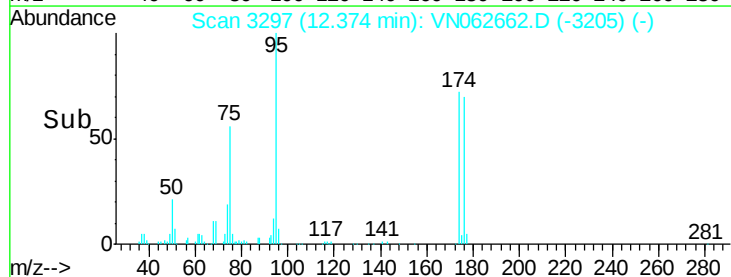
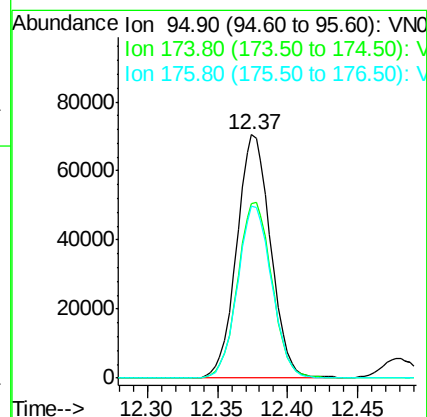
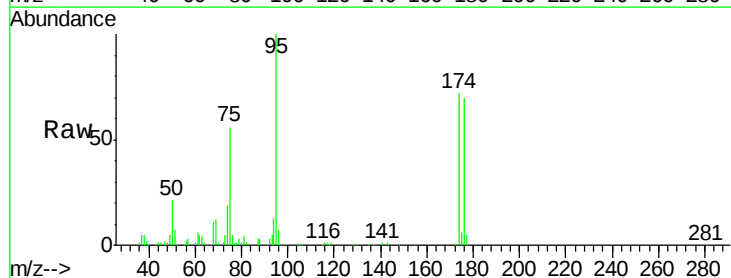
Tgt Ion: 95 Resp: 119132

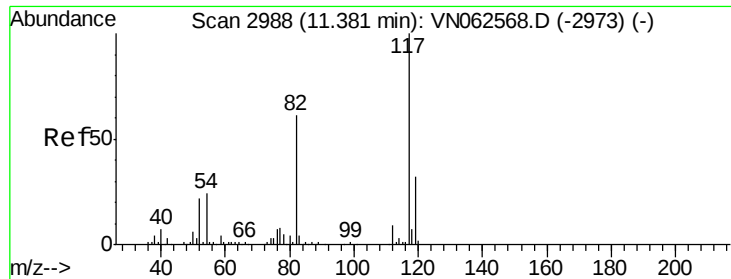
Ion Ratio Lower Upper

95 100

174 73.1 0.0 144.6

176 70.8 0.0 139.4

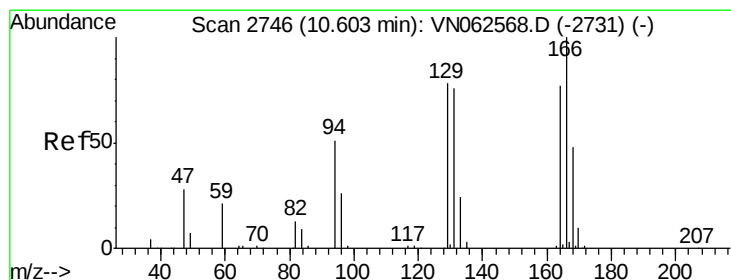
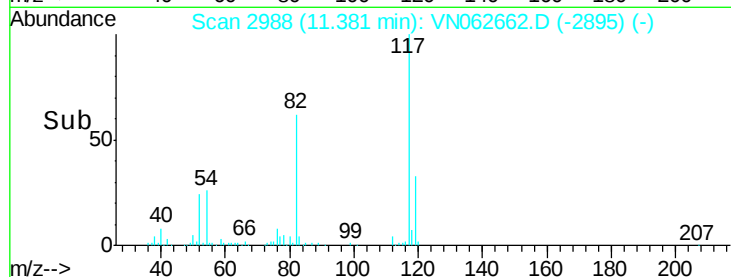
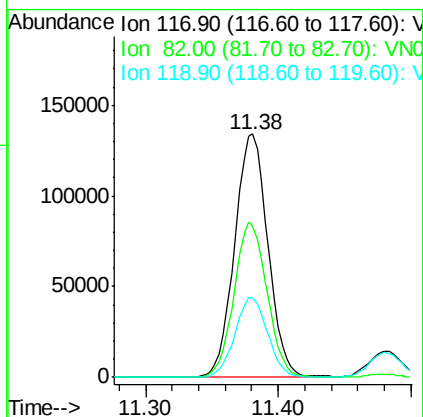
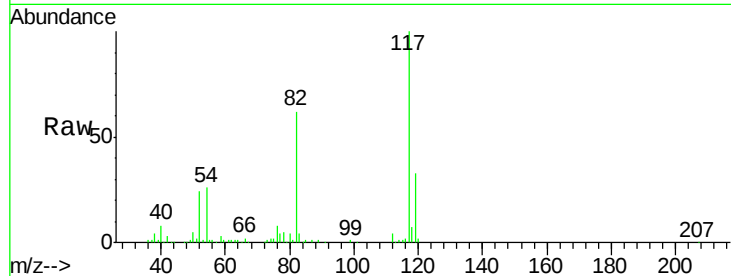




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

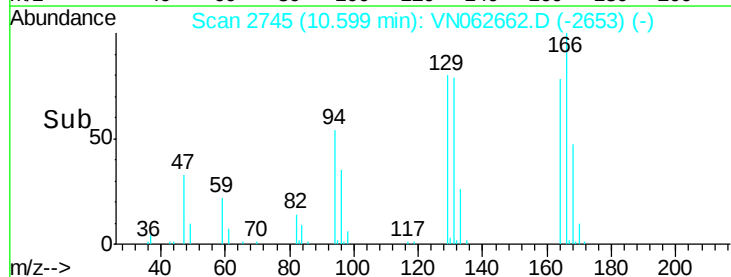
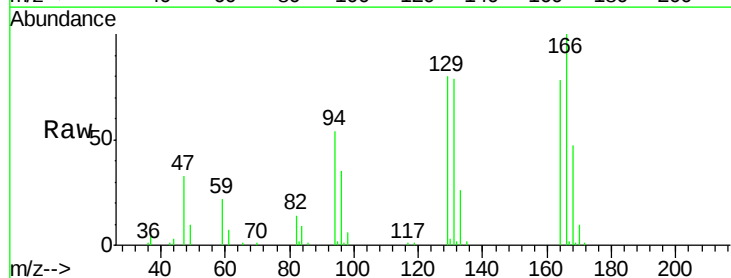
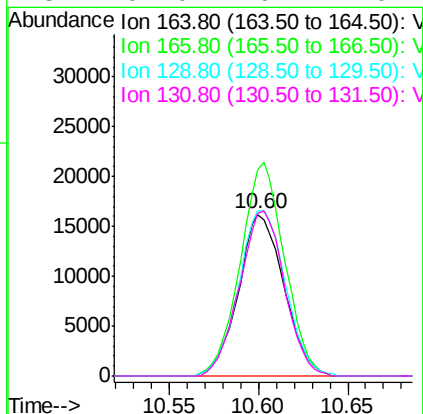
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

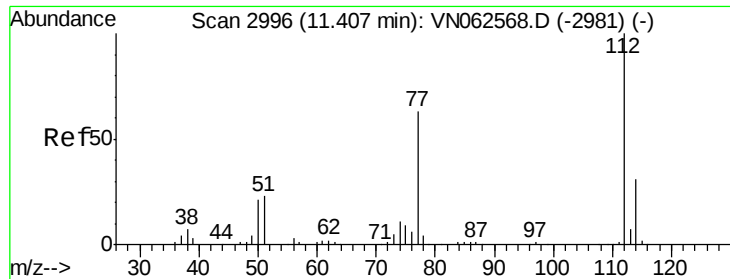
Tot Ion:117 Resp: 233949
Ion Ratio Lower Upper
117 100
82 62.3 49.0 73.6
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 18.983 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion:164 Resp: 28855
Ion Ratio Lower Upper
164 100
166 128.0 104.4 156.6
129 102.0 81.0 121.4
131 101.0 79.4 119.2

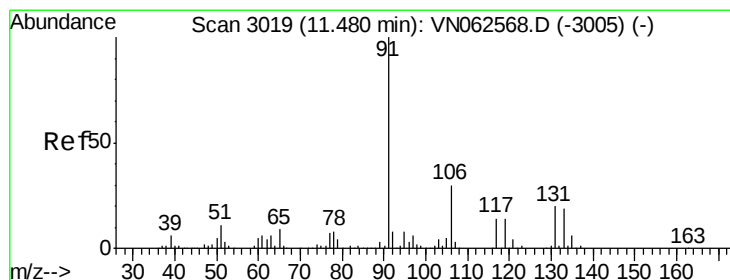
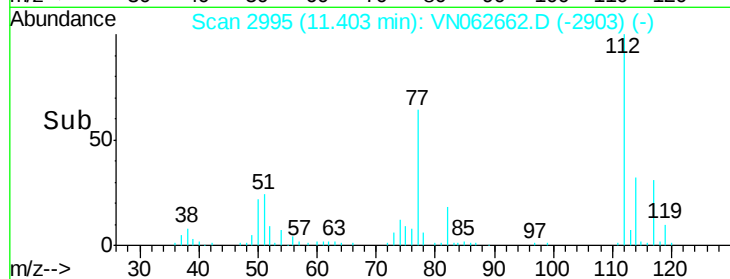
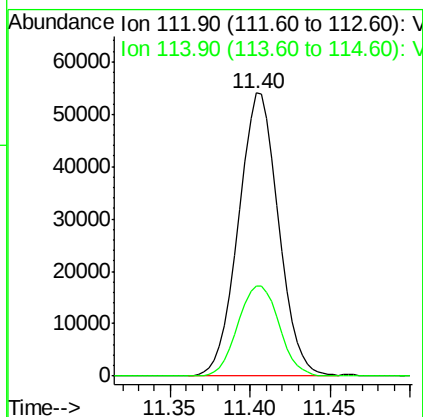
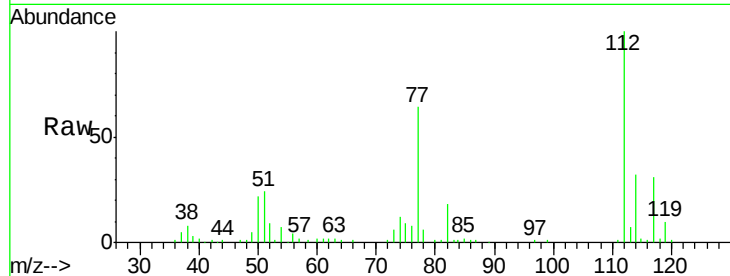




#65
Chlorobenzene
Concen: 18.834 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

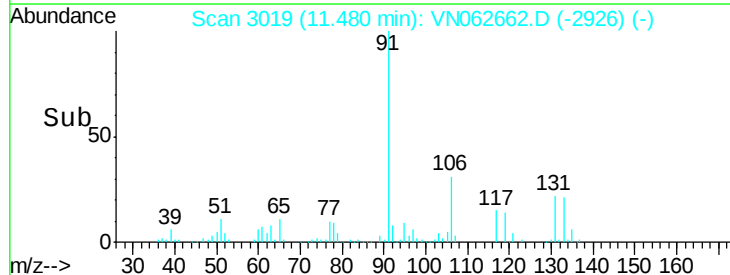
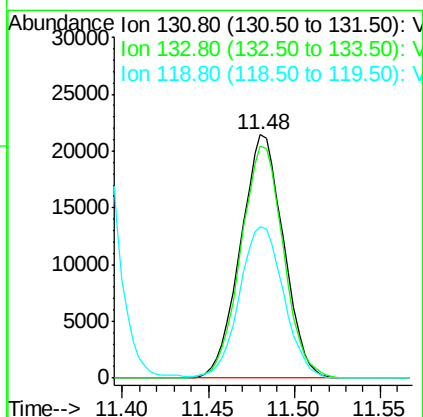
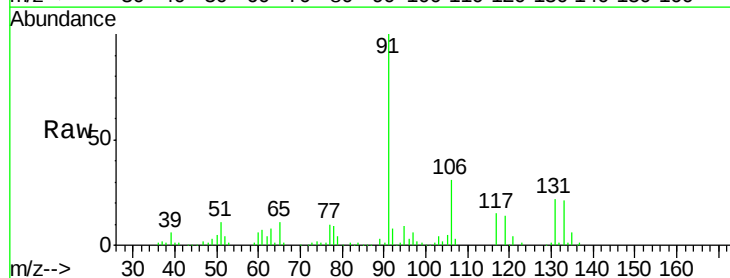
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

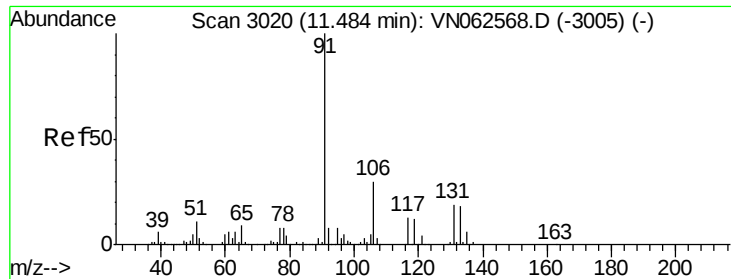
Tot Ion:112 Resp: 92375
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.129 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion:131 Resp: 37139
Ion Ratio Lower Upper
131 100
133 94.9 47.3 142.0
119 64.0 33.7 101.0

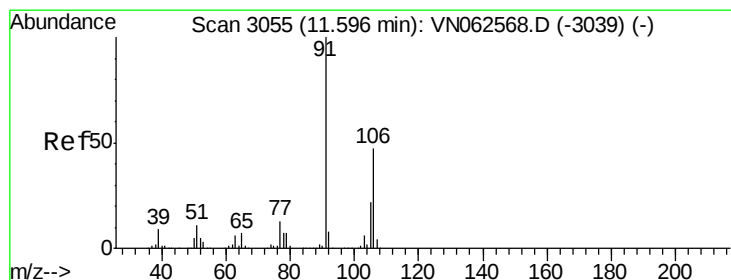
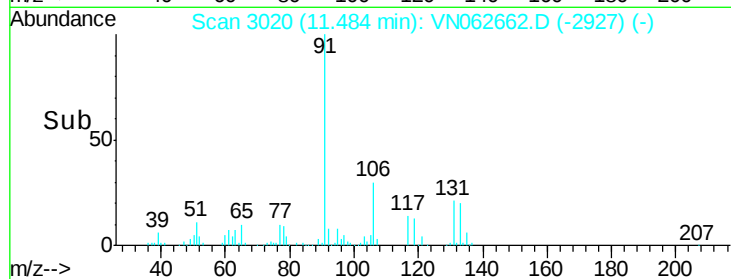
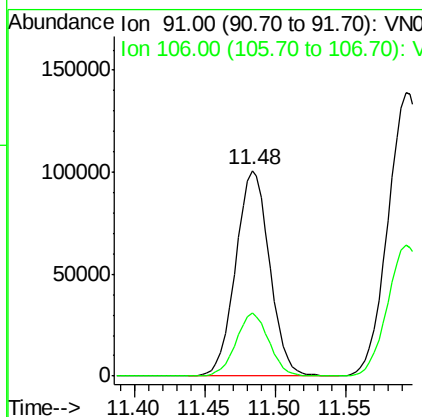
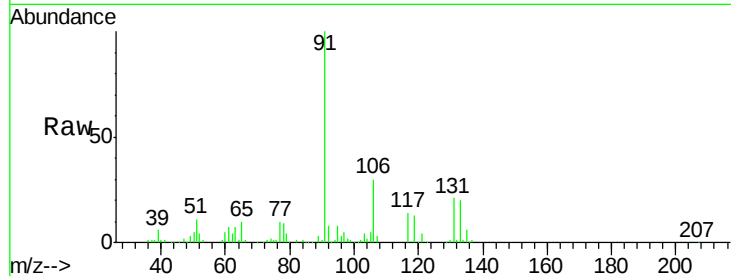




#67
Ethyl Benzene
Concen: 18.920 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

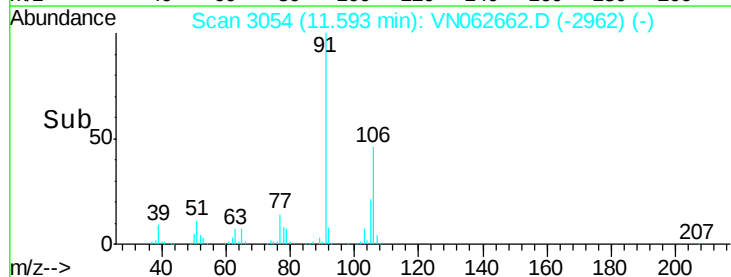
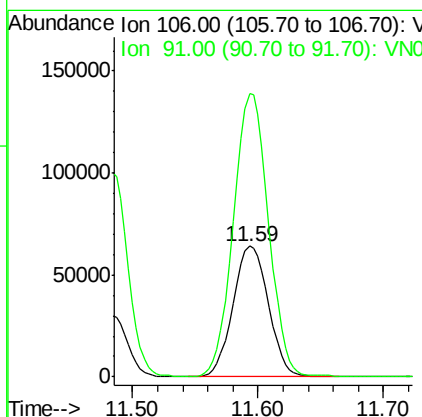
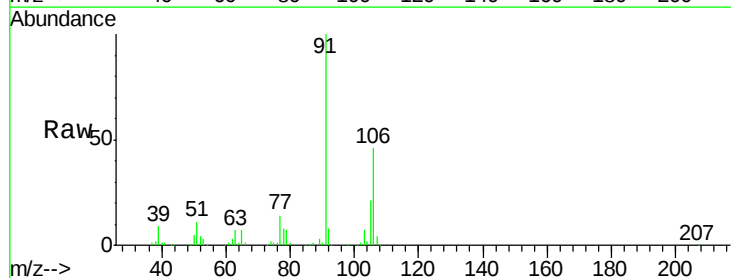
Instrument :
MSVOA_N
ClientSampled :
VN0730WBSD01

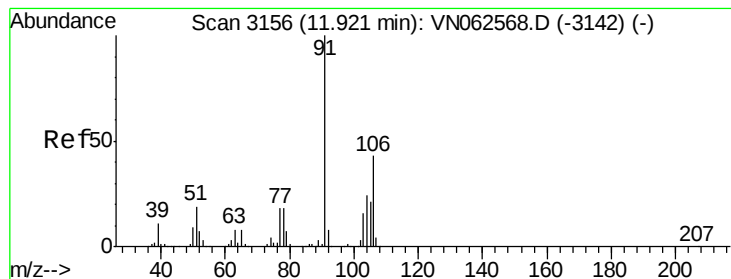
Tot Ion: 91 Resp: 170140
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.8



#68
m/p-Xylenes
Concen: 38.975 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 106 Resp: 125975
Ion Ratio Lower Upper
106 100
91 213.4 171.4 257.2





#69

o-Xylene

Concen: 19.487 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

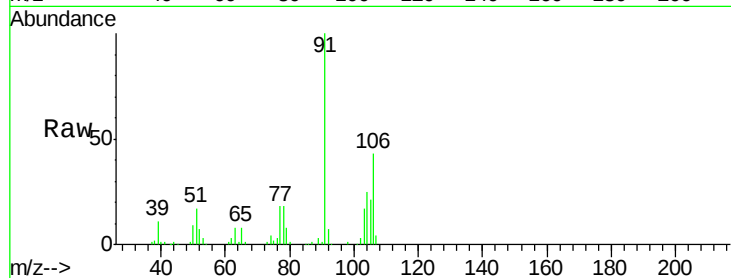
VN0730WBSD01

Tot Ion:106 Resp: 59810

Ion Ratio Lower Upper

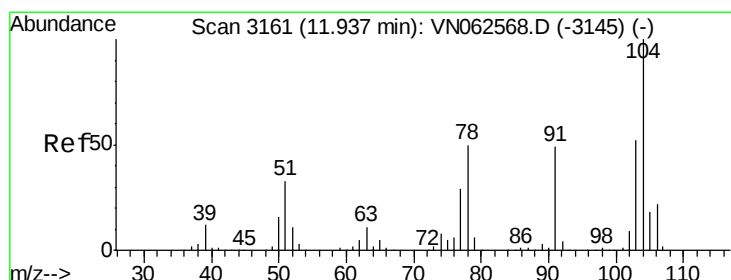
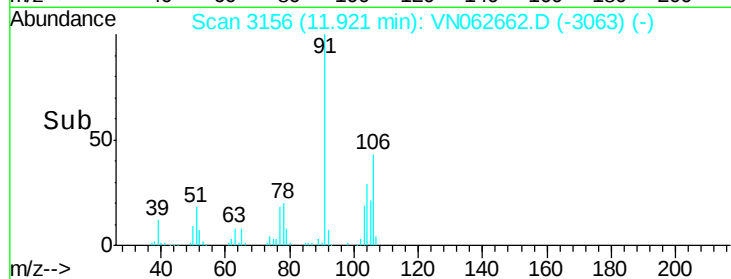
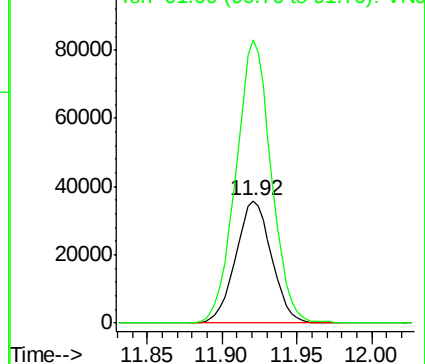
106 100

91 227.8 113.8 341.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 19.502 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

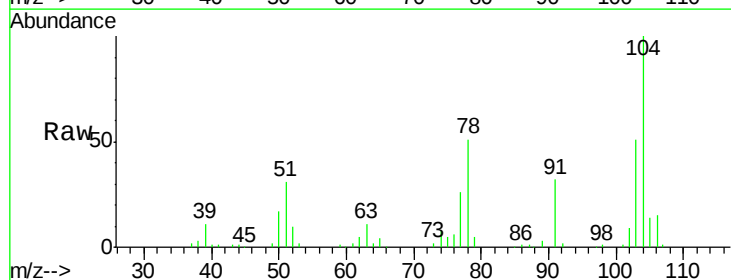
Tgt Ion:104 Resp: 101114

Ion Ratio Lower Upper

104 100

78 56.9 43.8 65.6

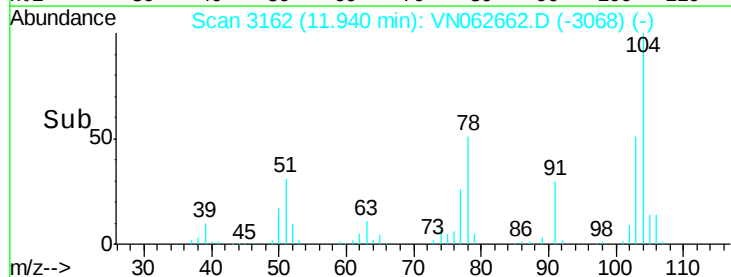
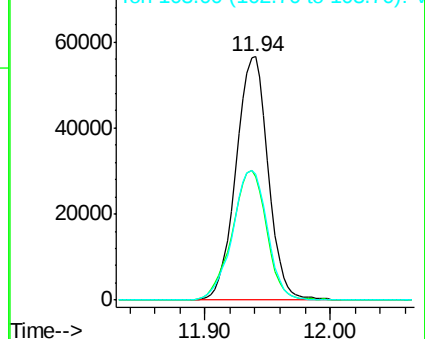
103 57.4 44.0 66.0

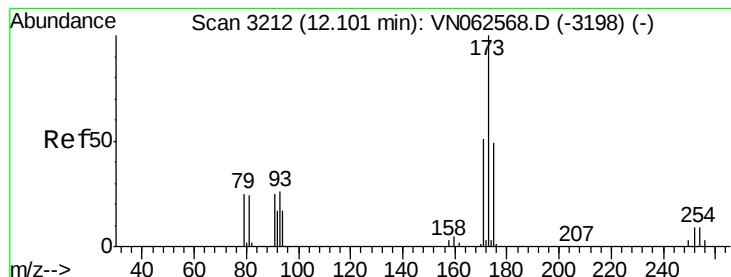


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.376 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

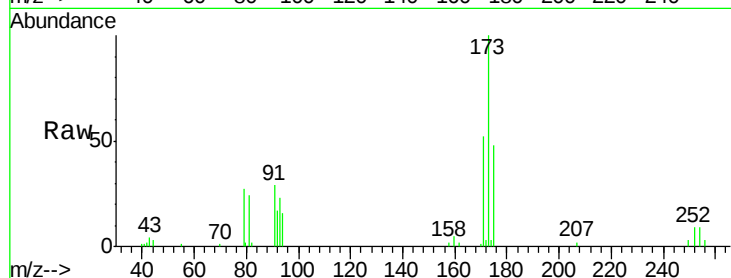
Tot Ion:173 Resp: 28228

Ion Ratio Lower Upper

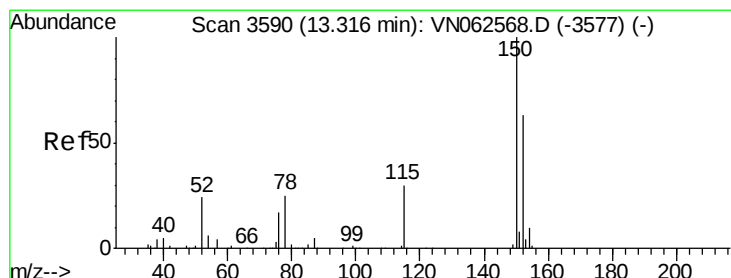
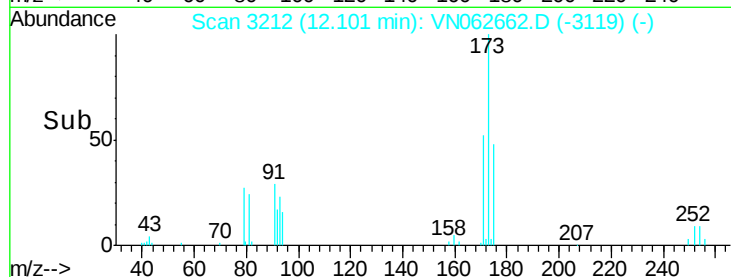
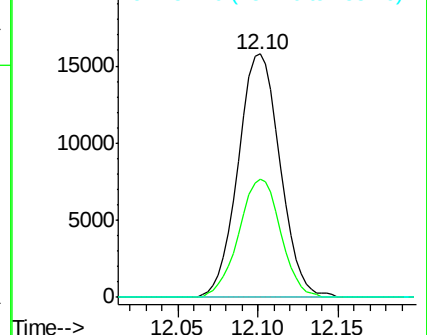
173 100

175 48.3 24.1 72.2

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# 3590

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

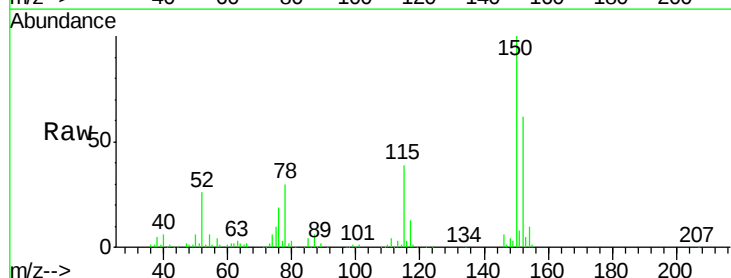
Tgt Ion:152 Resp: 110664

Ion Ratio Lower Upper

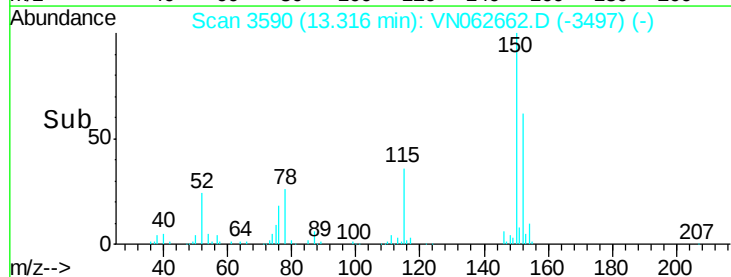
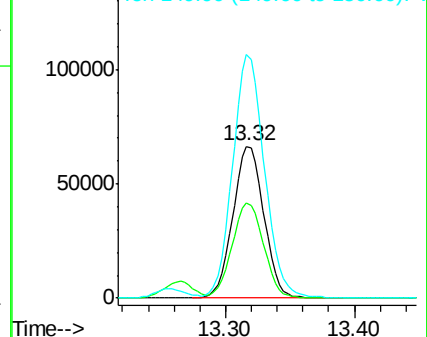
152 100

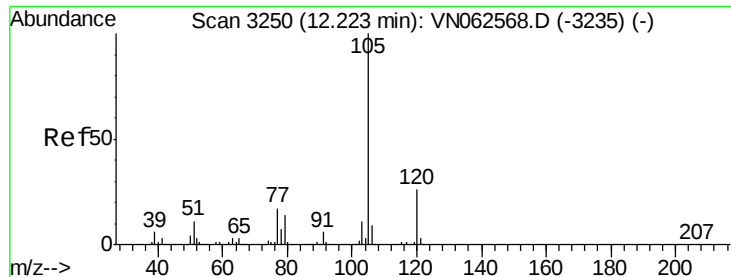
115 64.0 31.8 95.4

150 165.4 0.0 351.4



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





#73

Isopropylbenzene

Concen: 18.549 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

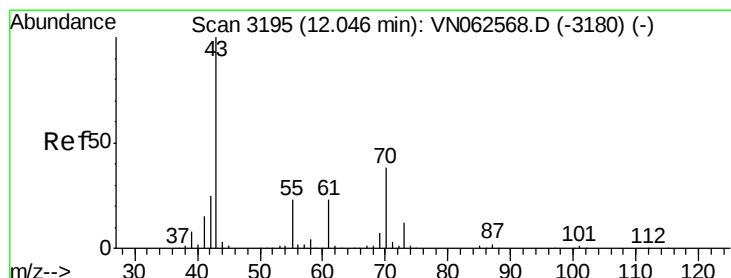
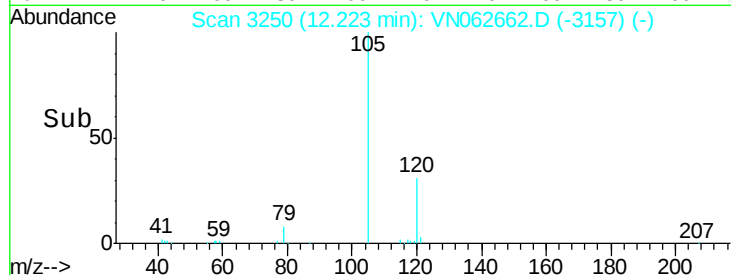
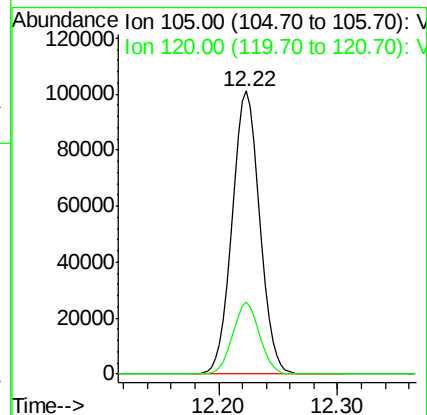
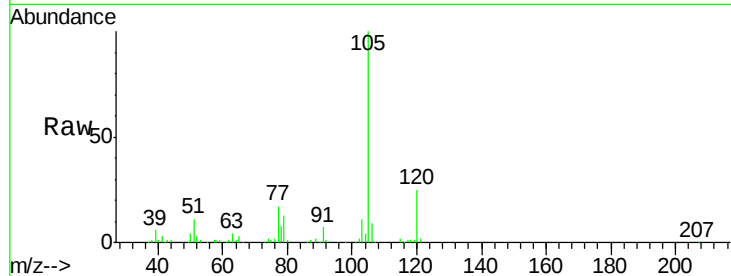
VN0730WBSD01

Tot Ion:105 Resp: 162309

Ion Ratio Lower Upper

105 100

120 24.7 12.8 38.4



#74

N-ethyl acetate

Concen: 17.974 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Tgt Ion: 43 Resp: 70238

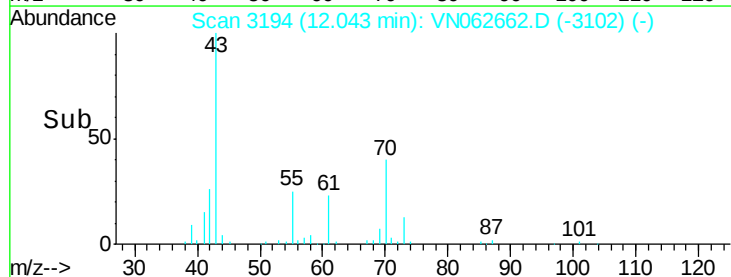
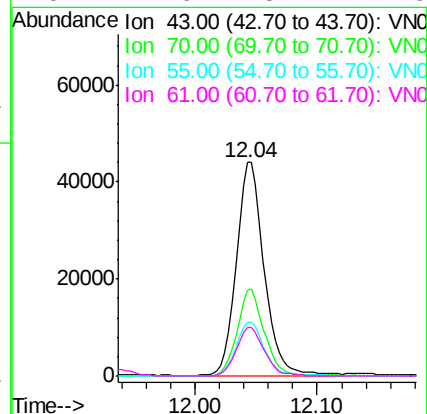
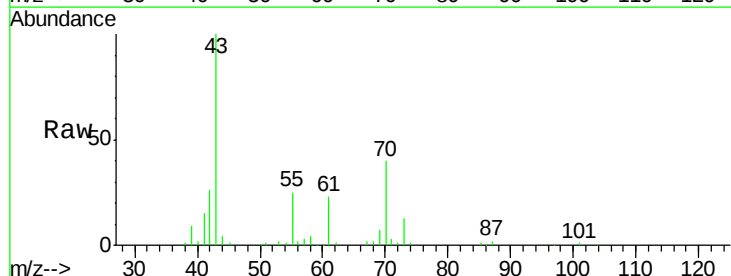
Ion Ratio Lower Upper

43 100

70 39.2 30.5 45.7

55 25.5 19.0 28.6

61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.494 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

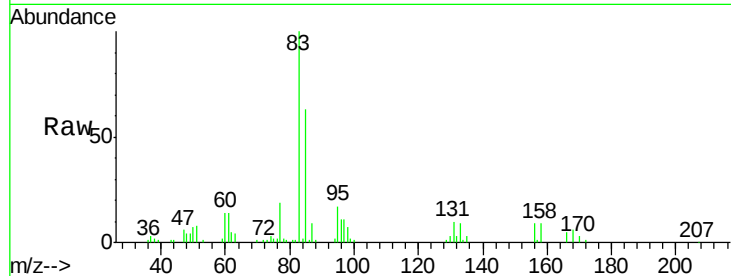
Tot Ion: 83 Resp: 56236

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

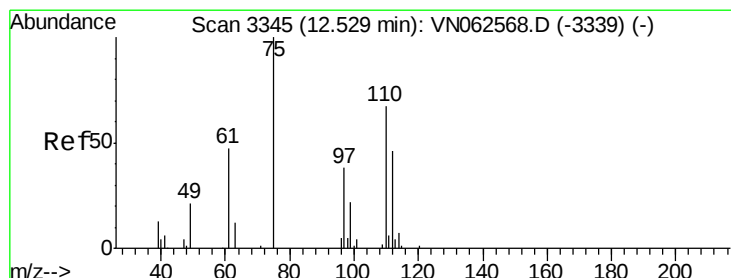
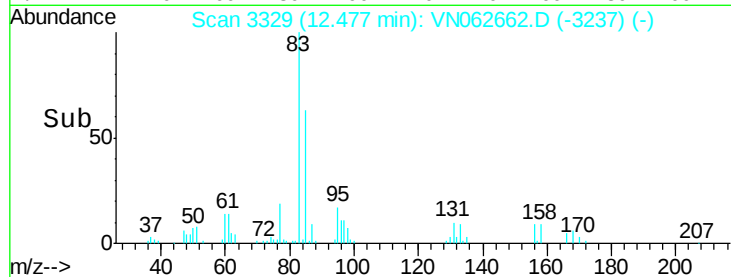
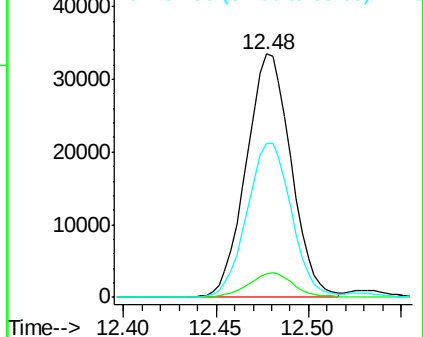
85 63.0 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.544 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062662.D

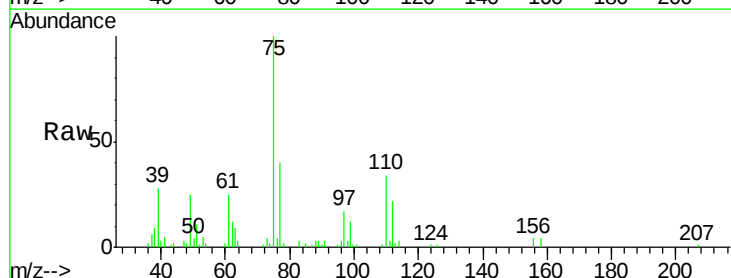
Acq: 30 Jul 2020 11:27

Tgt Ion: 75 Resp: 71953

Ion Ratio Lower Upper

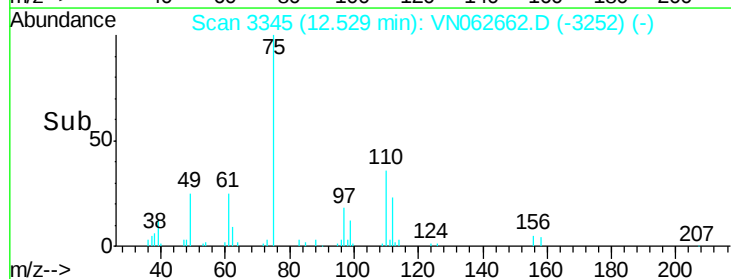
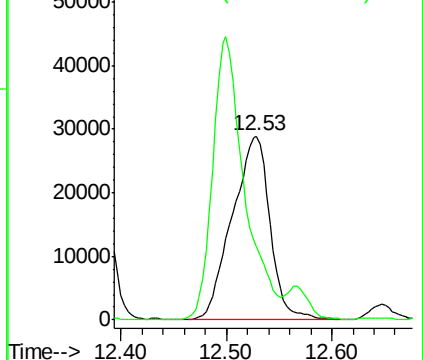
75 100

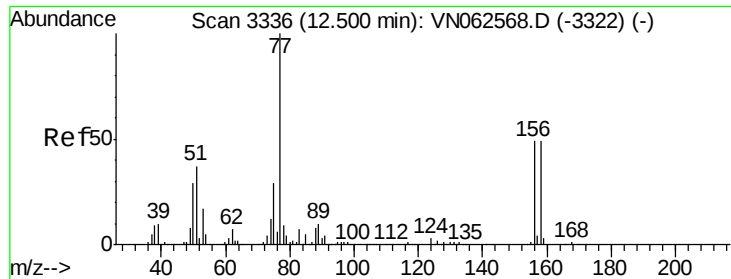
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

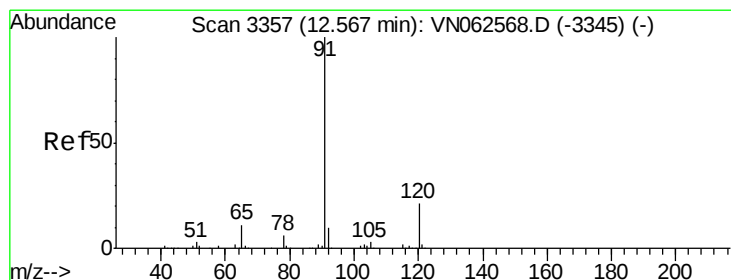
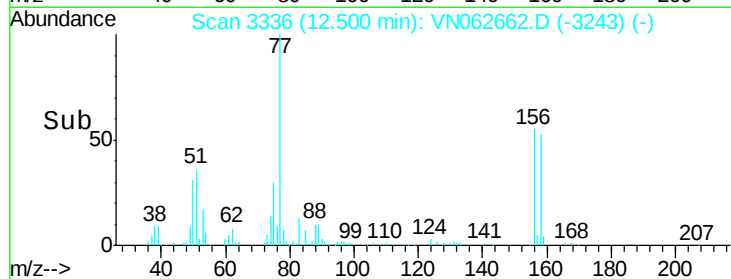
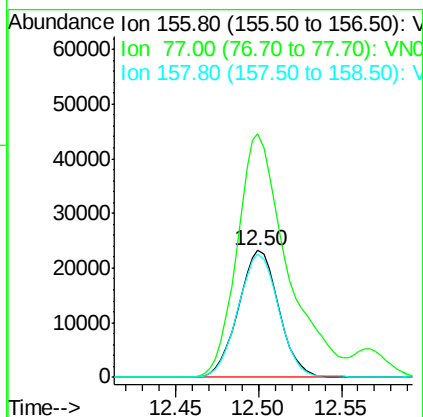
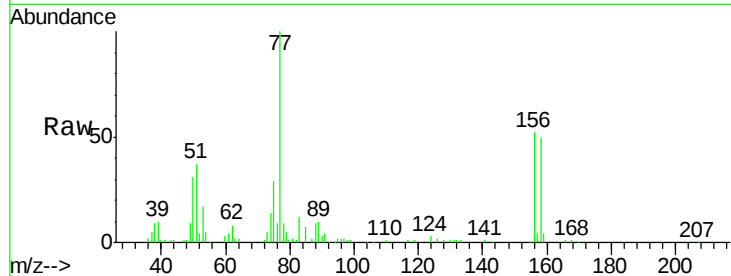




#77
Bromobenzene
Concen: 18.749 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

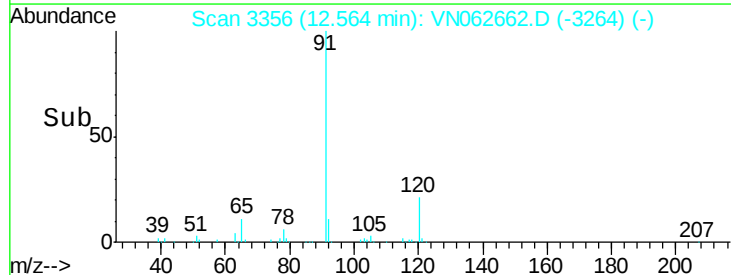
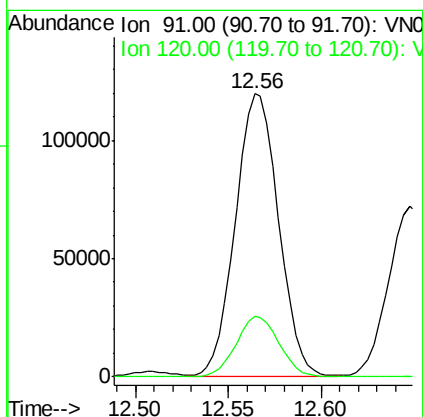
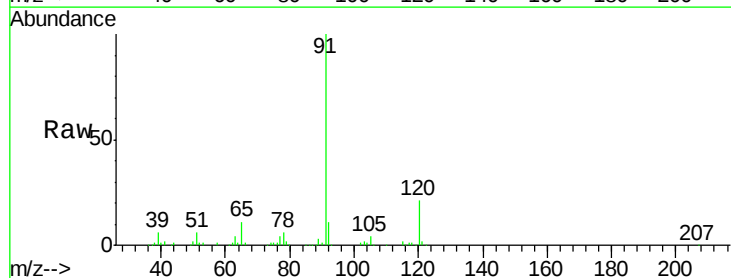
Instrument :
MSVOA_N
ClientSampleId :
VN0730WBSD01

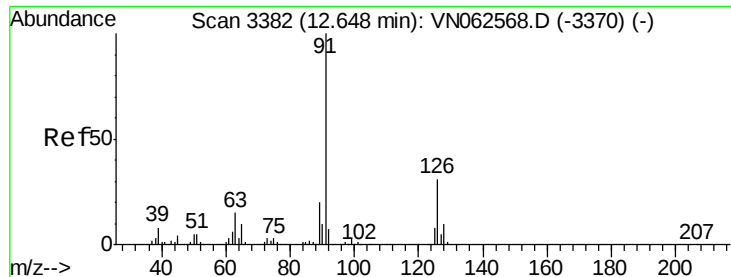
Tot Ion:156 Resp: 39426
Ion Ratio Lower Upper
156 100
77 236.3 122.8 368.3
158 97.3 49.4 148.0



#78
n-propylbenzene
Concen: 18.908 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion: 91 Resp: 193800
Ion Ratio Lower Upper
91 100
120 21.2 10.9 32.6

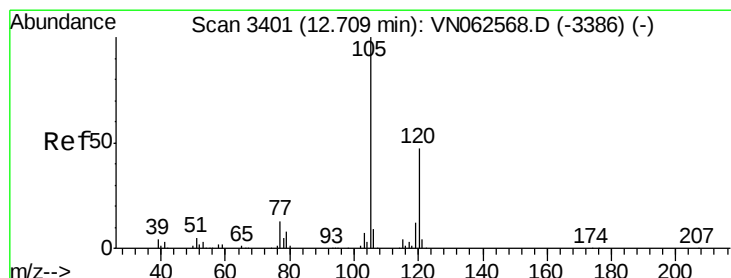
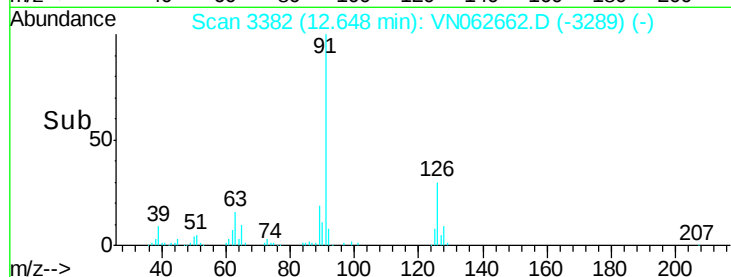
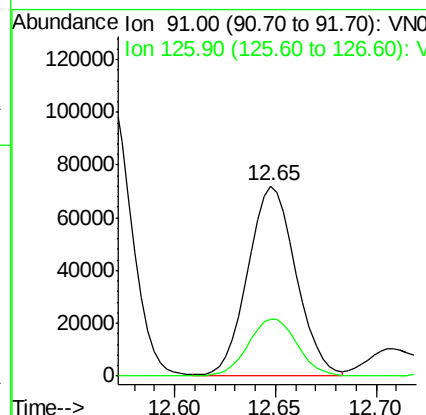
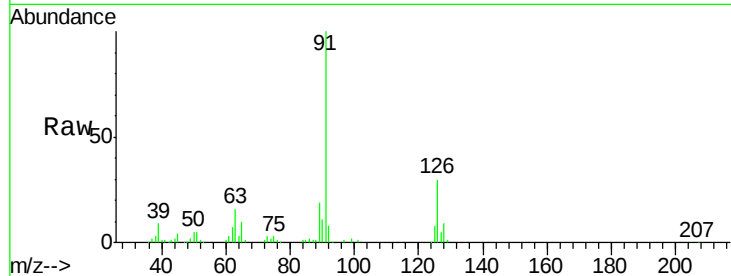




#79
 2-Chlorotoluene
 Concen: 19.042 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

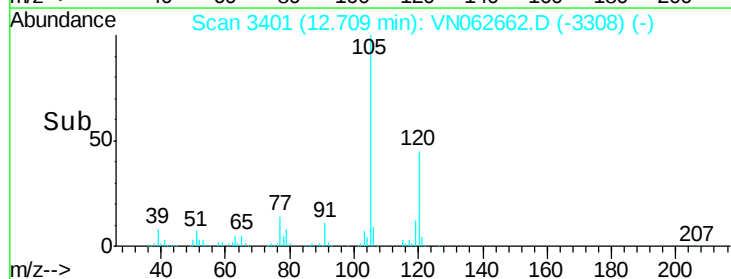
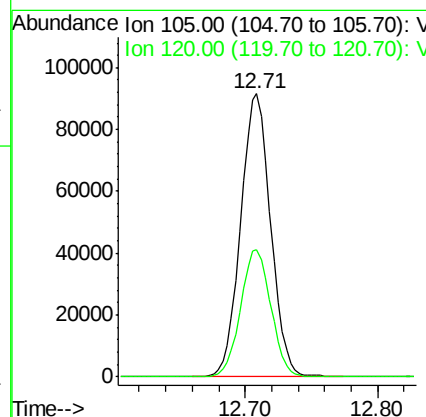
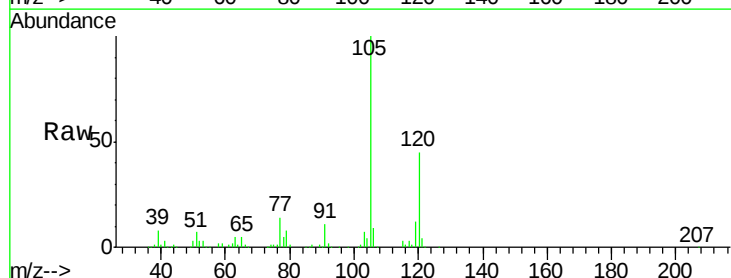
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

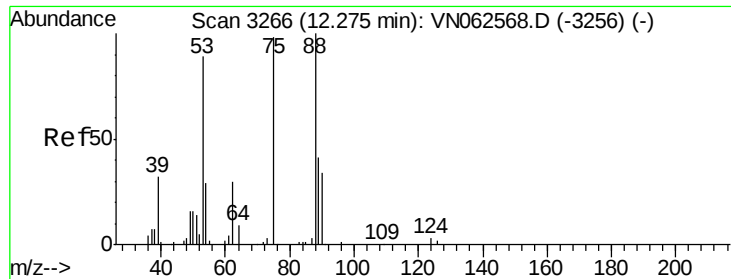
Tot Ion: 91 Resp: 120281
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.803 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion: 105 Resp: 143739
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.596 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0730WBSD01

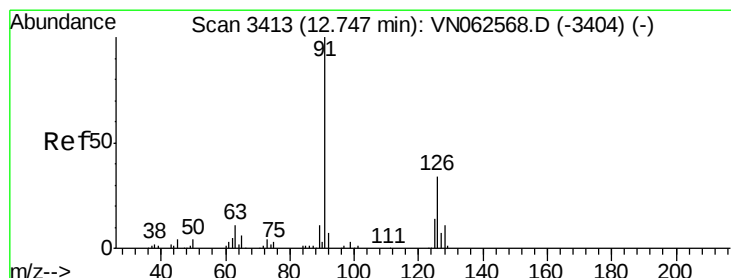
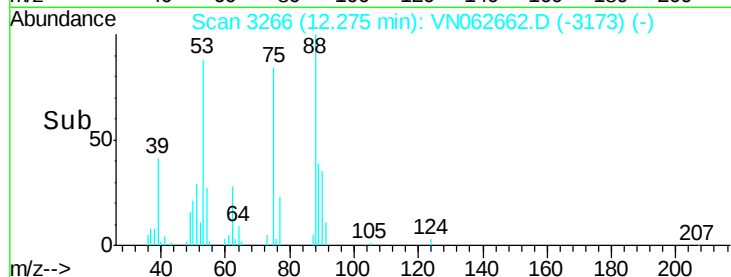
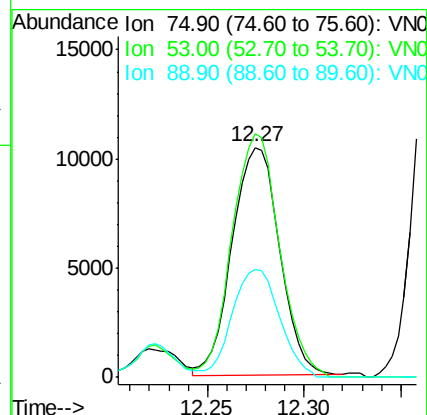
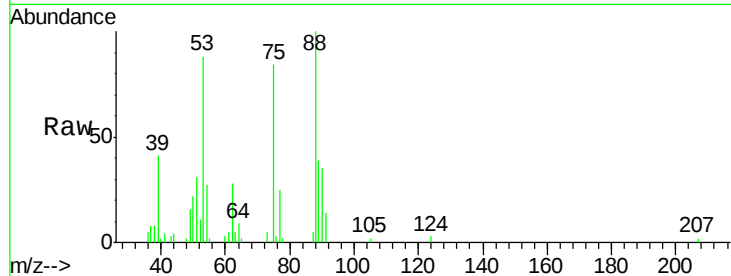
Tot Ion: 75 Resp: 17805

Ion Ratio Lower Upper

75 100

53 107.3 75.4 113.0

89 47.4 34.5 51.7



#82

4-Chlorotoluene

Concen: 18.966 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062662.D

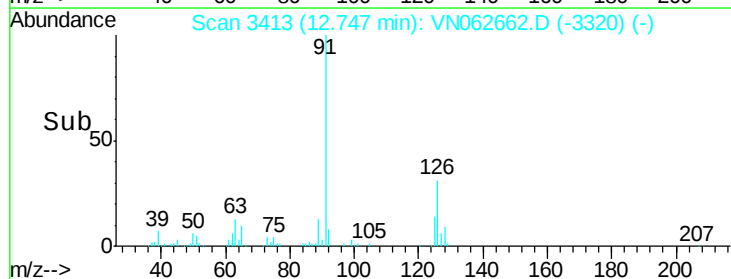
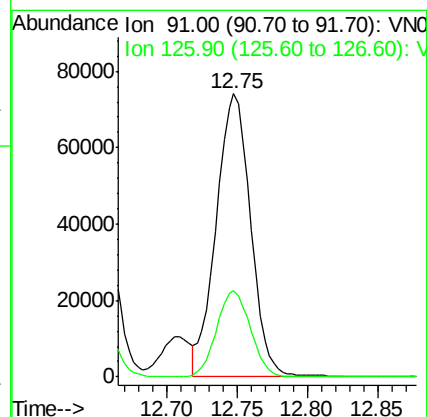
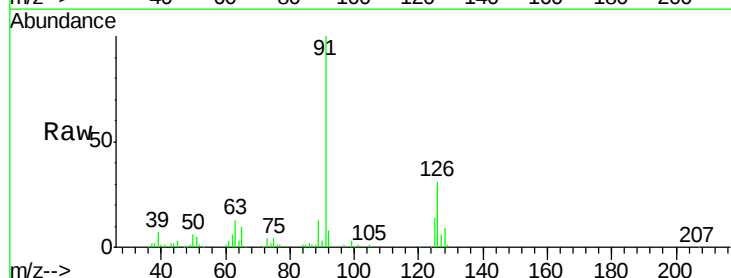
Acq: 30 Jul 2020 11:27

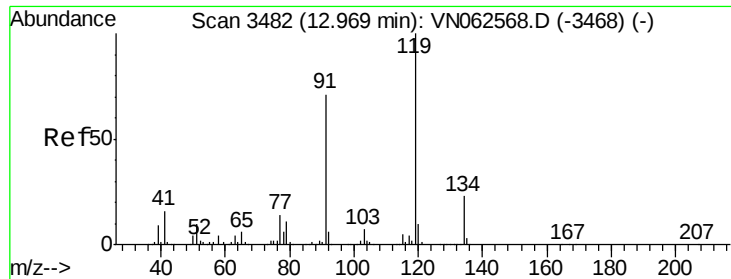
Tgt Ion: 91 Resp: 124701

Ion Ratio Lower Upper

91 100

126 30.2 15.4 46.4

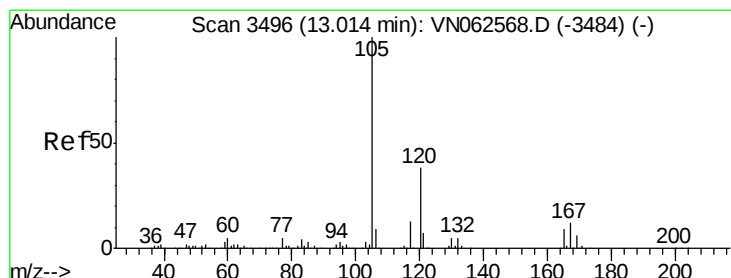
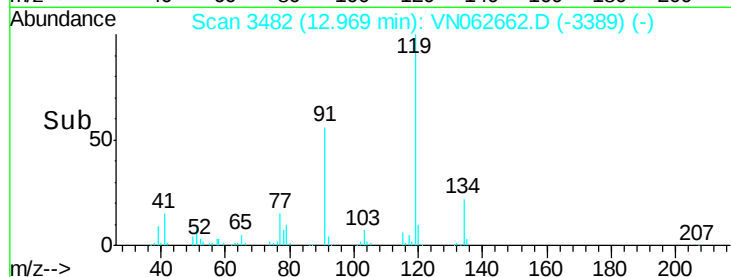
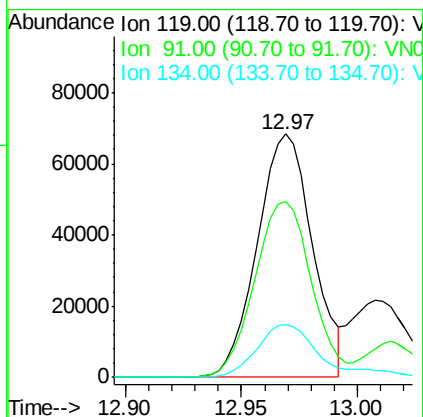
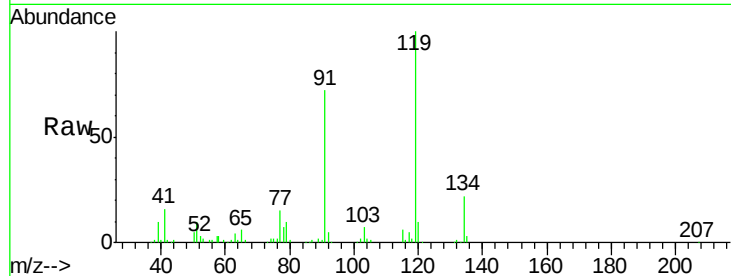




#83
tert-Butylbenzene
Concen: 18.837 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

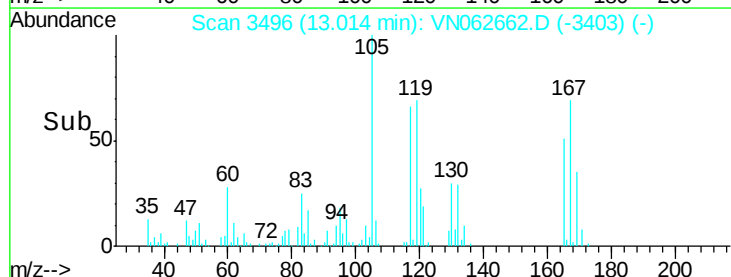
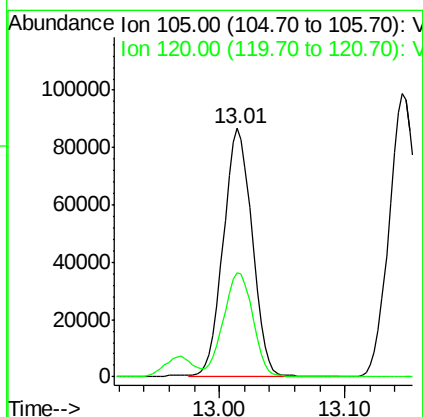
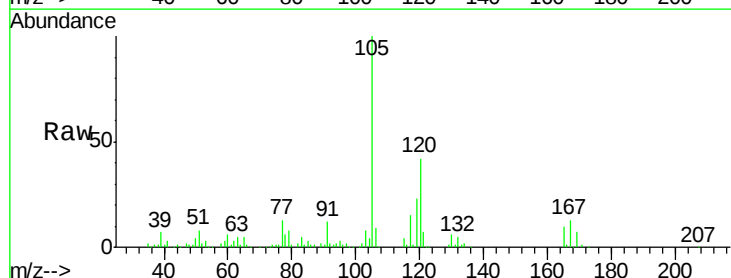
Instrument :
MSVOA_N
ClientSampled :
VN0730WBSD01

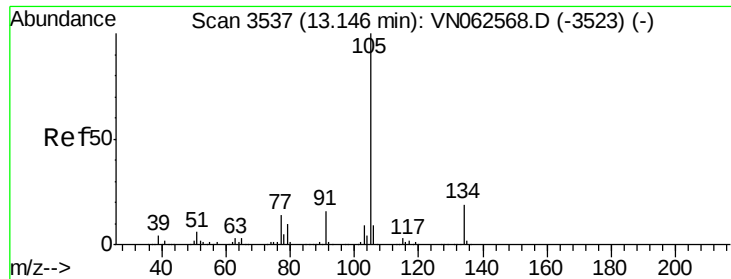
Tot Ion:119 Resp: 113532
Ion Ratio Lower Upper
119 100
91 74.8 34.6 103.8
134 25.0 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 19.445 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062662.D
Acq: 30 Jul 2020 11:27

Tgt Ion:105 Resp: 138457
Ion Ratio Lower Upper
105 100
120 42.9 22.1 66.3





#85

sec-Butylbenzene

Concen: 19.451 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

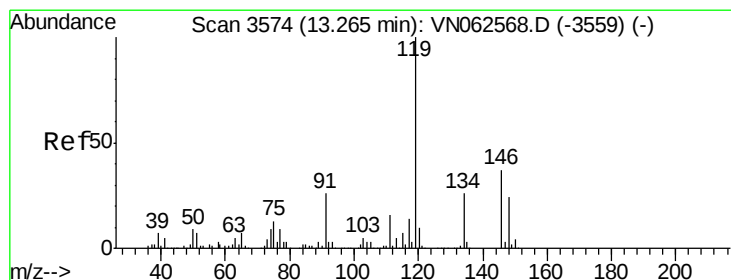
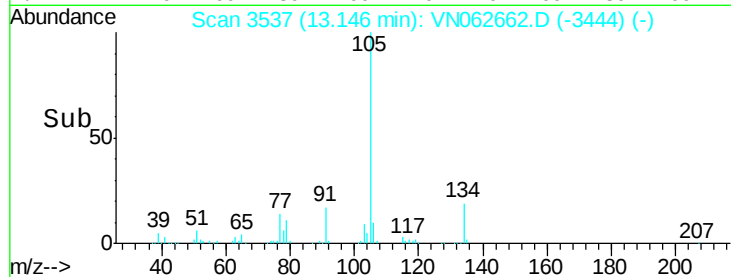
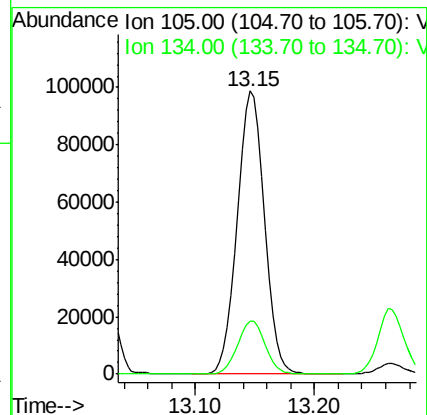
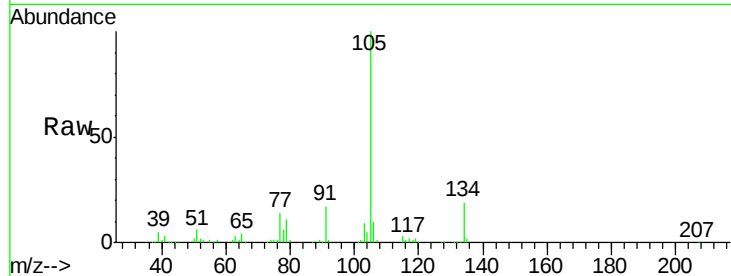
VN0730WBSD01

Tot Ion:105 Resp: 156948

Ion Ratio Lower Upper

105 100

134 18.9 9.5 28.5



#86

p-Isopropyltoluene

Concen: 20.021 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

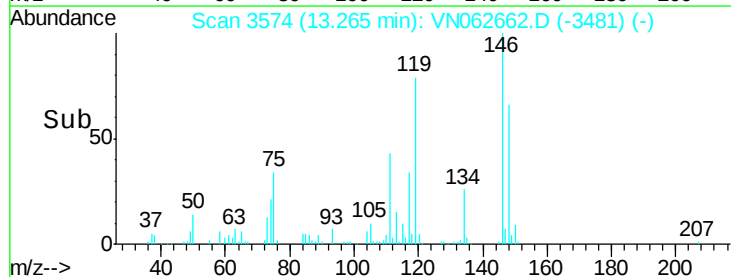
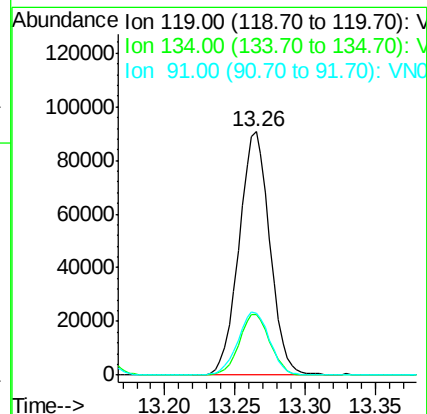
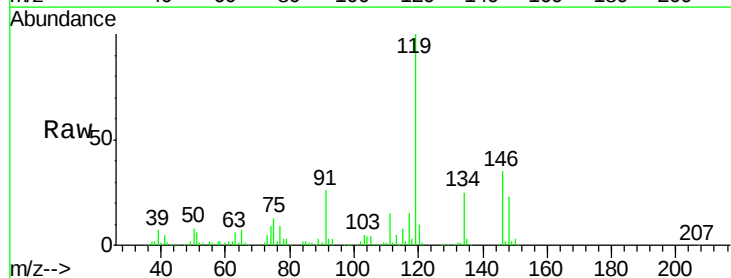
Tgt Ion:119 Resp: 138943

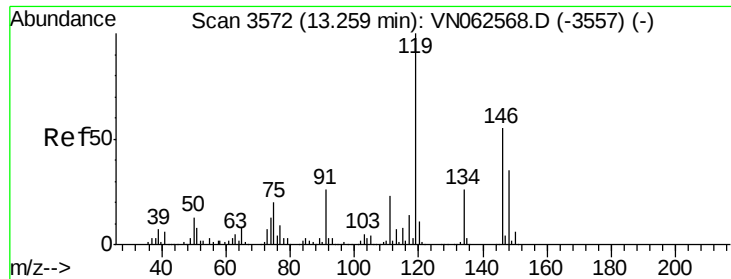
Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.4

91 26.8 12.7 38.1

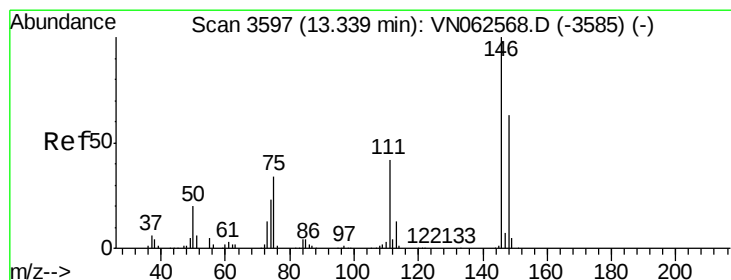
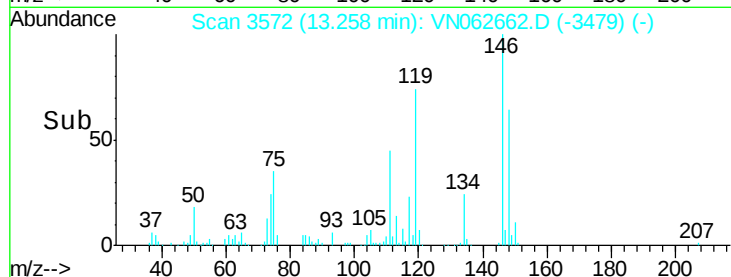
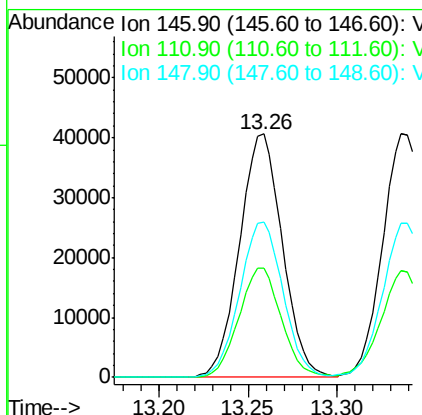
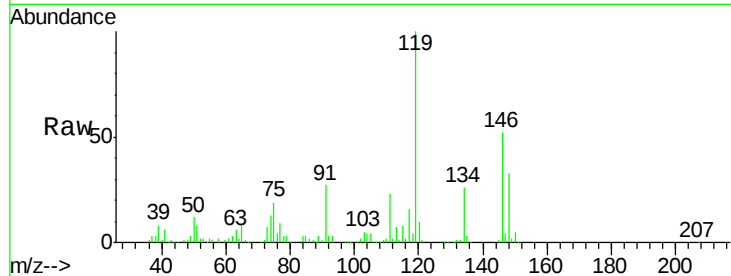




#87
 1,3-Dichlorobenzene
 Concen: 18.525 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

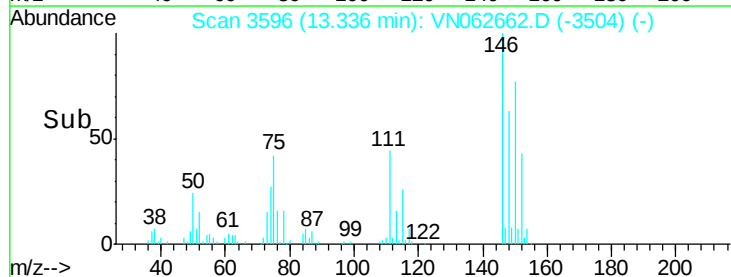
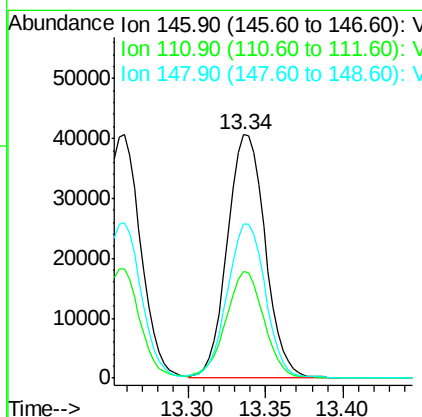
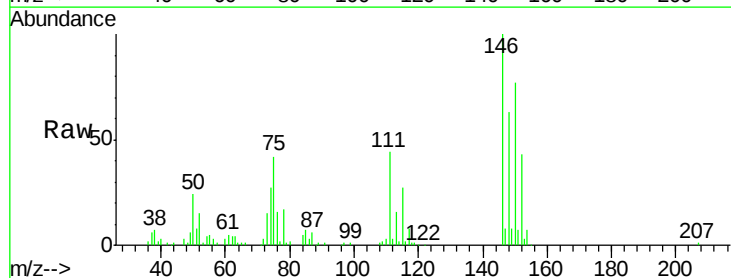
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

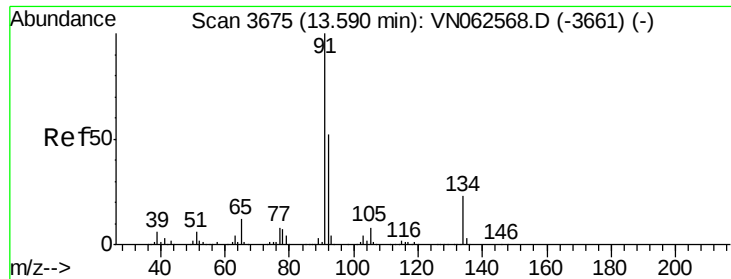
Tot Ion:146 Resp: 68361
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.6 64.6
 148 64.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.068 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion:146 Resp: 69269
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.1 63.1
 148 63.8 31.6 94.8





#89

n-Butylbenzene

Concen: 19.257 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

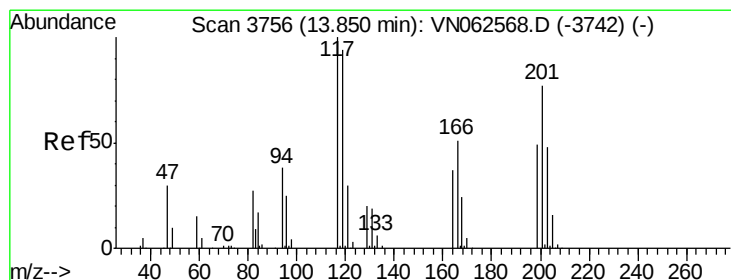
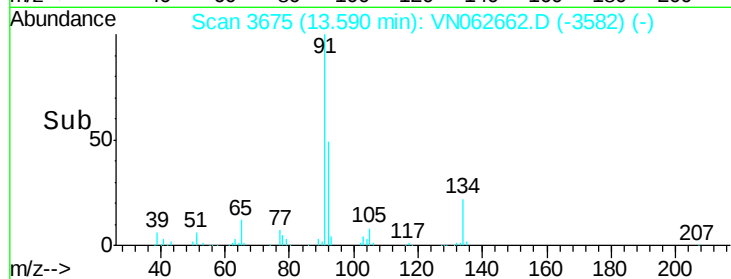
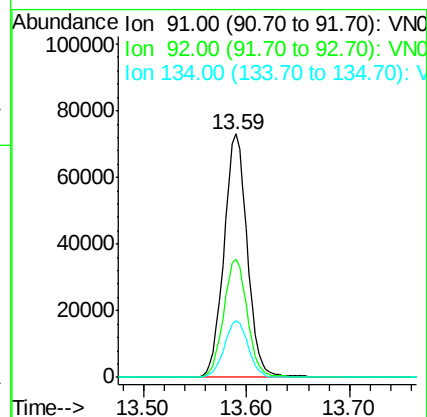
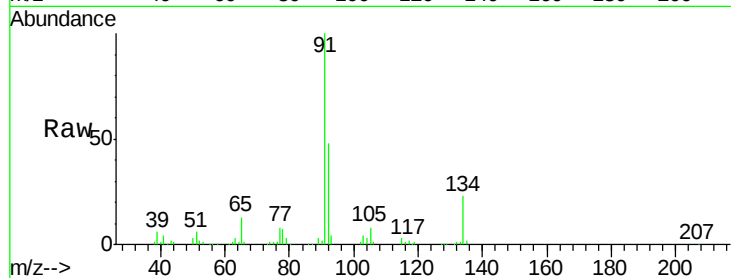
Tot Ion: 91 Resp: 114830

Ion Ratio Lower Upper

91 100

92 49.2 25.8 77.3

134 23.7 11.8 35.3



#90

Hexachloroethane

Concen: 18.894 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062662.D

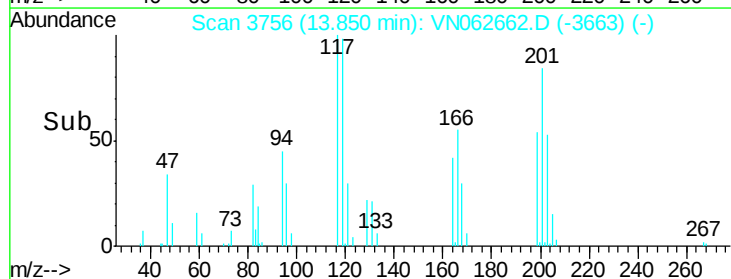
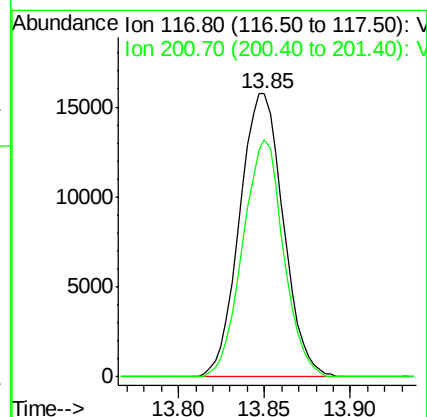
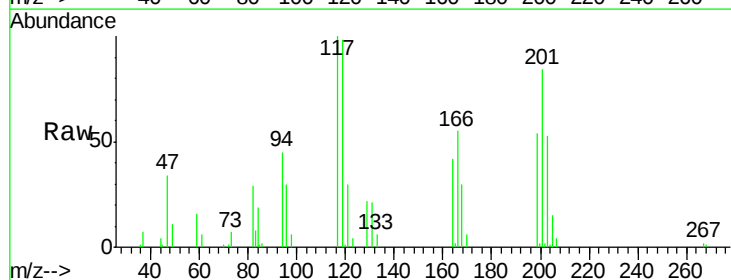
Acq: 30 Jul 2020 11:27

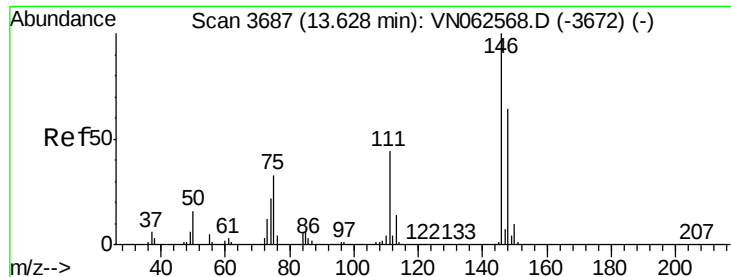
Tgt Ion: 117 Resp: 27913

Ion Ratio Lower Upper

117 100

201 77.9 39.2 117.6





#91

1,2-Dichlorobenzene

Concen: 19.131 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0730WBSD01

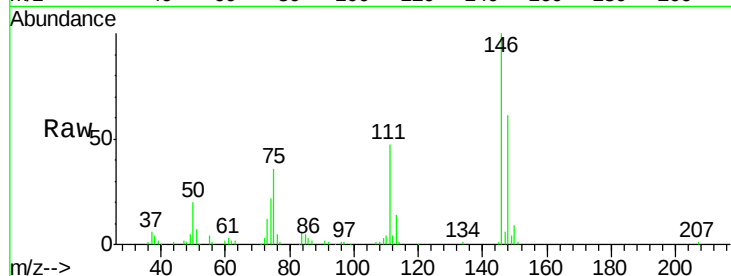
Tot Ion:146 Resp: 67503

Ion Ratio Lower Upper

146 100

111 45.8 21.9 65.8

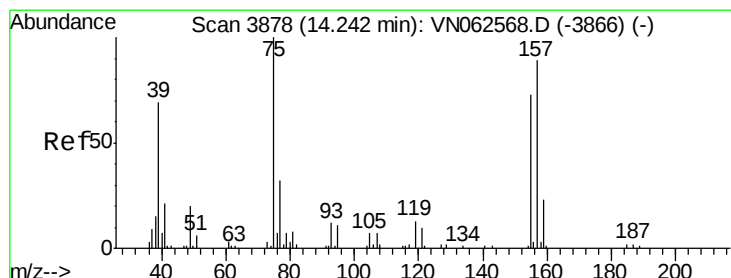
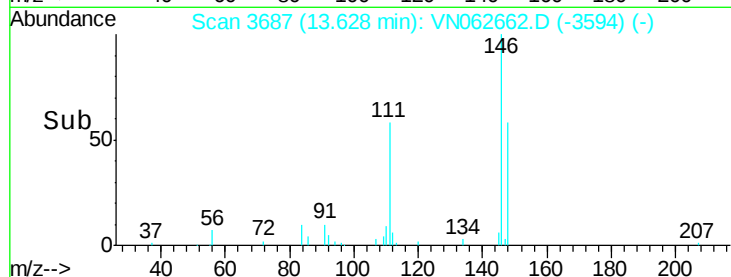
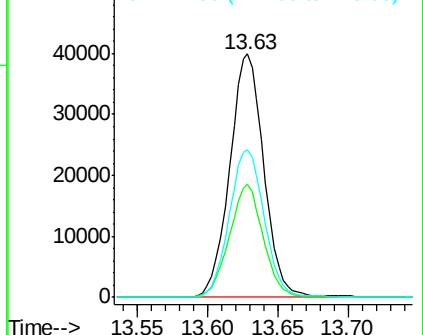
148 62.1 31.6 94.7



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: 19.479 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

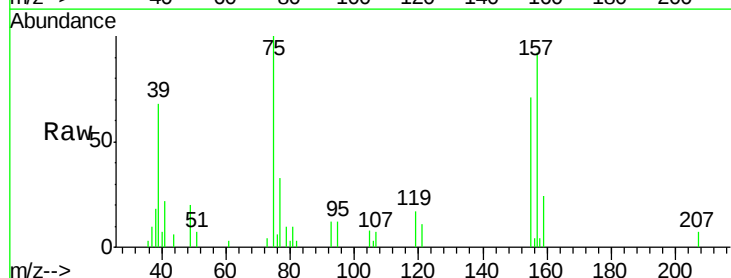
Tgt Ion: 75 Resp: 10754

Ion Ratio Lower Upper

75 100

155 67.5 35.9 107.5

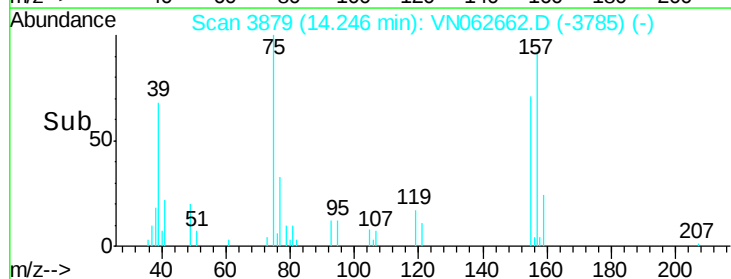
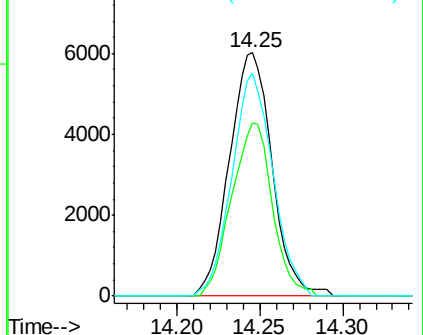
157 88.0 45.0 135.0

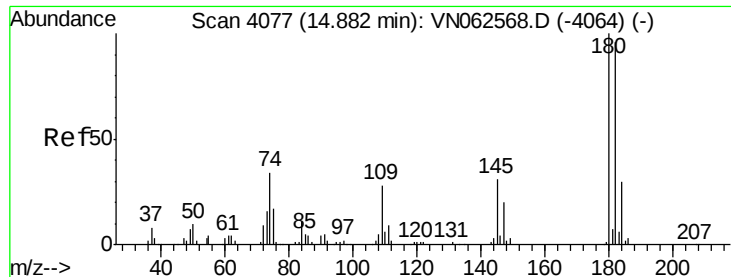


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

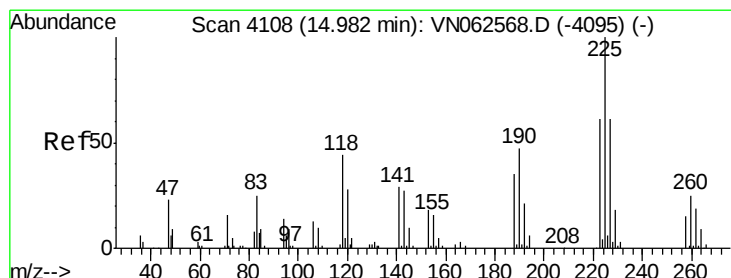
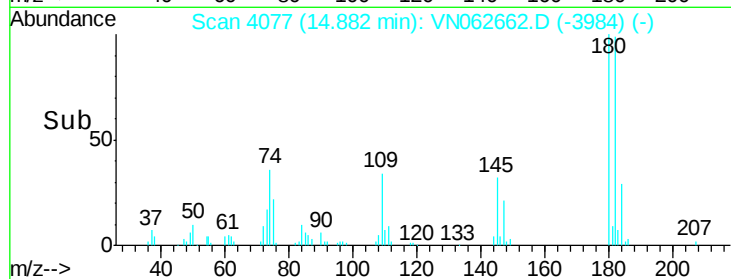
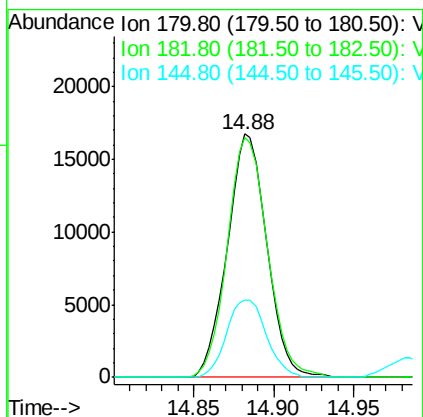
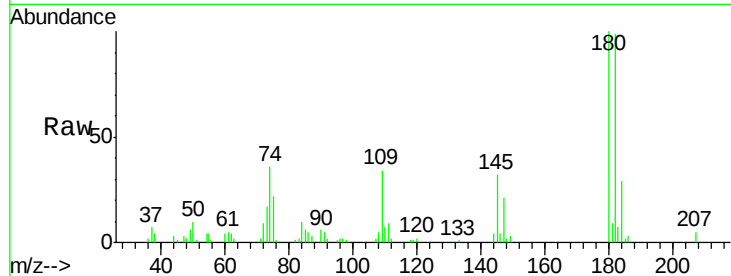




#93
 1,2,4-Trichlorobenzene
 Concen: 17.298 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

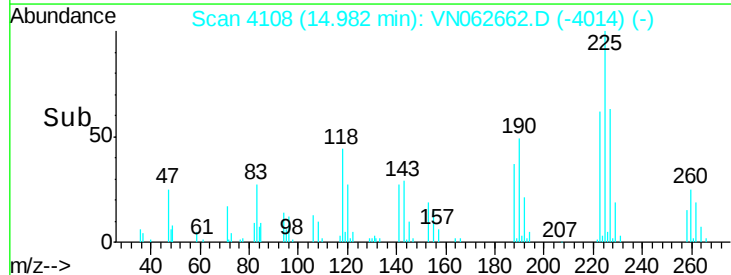
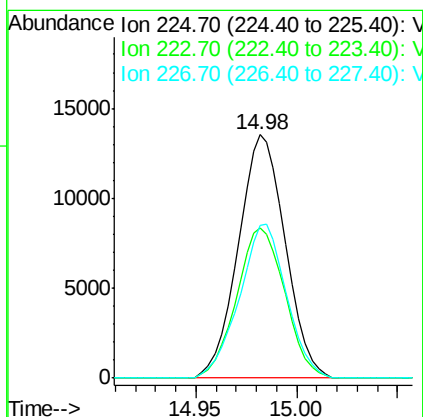
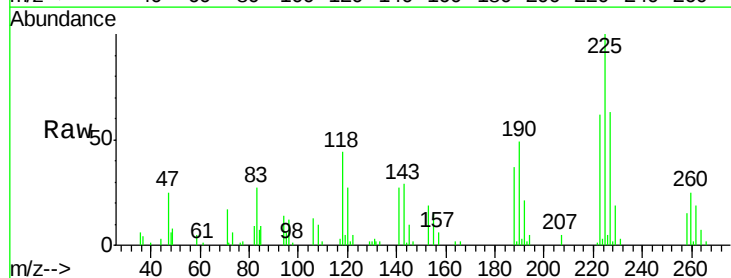
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0730WBSD01

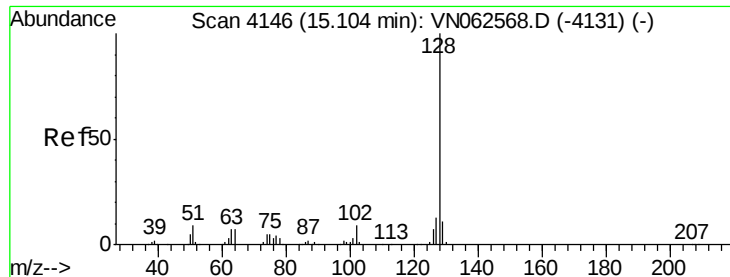
Tot Ion:180 Resp: 28078
 Ion Ratio Lower Upper
 180 100
 182 100.4 47.8 143.3
 145 32.1 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 22.828 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062662.D
 Acq: 30 Jul 2020 11:27

Tgt Ion:225 Resp: 22016
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.0 96.0
 227 63.4 31.1 93.2





#95

Naphthalene

Concen: 17.441 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0730WBSD01

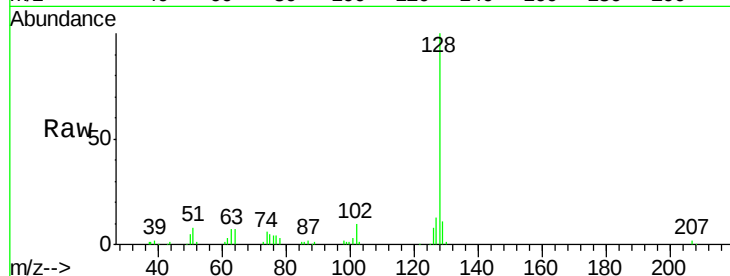
Tot Ion:128 Resp: 72801

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

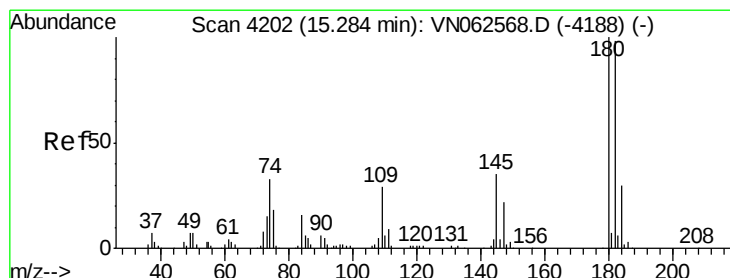
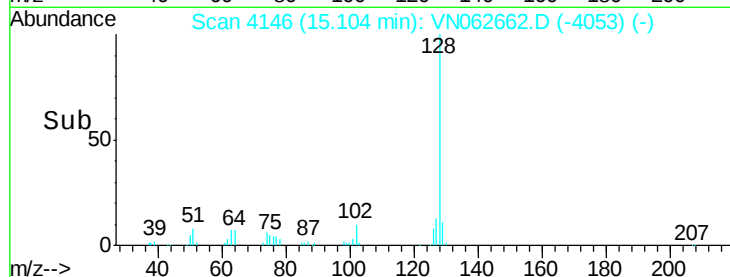
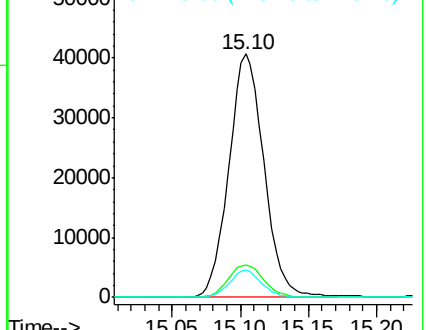
129 10.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.892 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062662.D

Acq: 30 Jul 2020 11:27

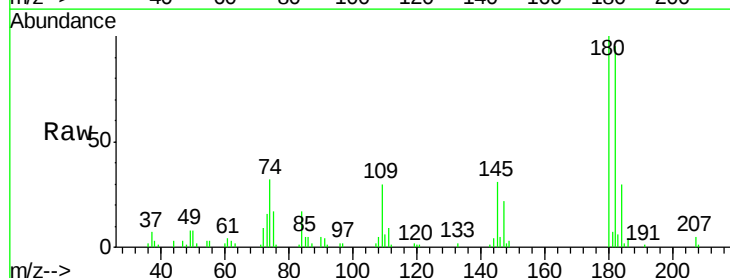
Tgt Ion:180 Resp: 29752

Ion Ratio Lower Upper

180 100

182 98.2 48.1 144.3

145 33.9 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

