

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072220\
 Data File : VN062588.D
 Acq On : 22 Jul 2020 12:00
 Operator : JC/MD
 Sample : VN0722WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

Quant Time: Jul 23 07:14:47 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	204108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	338303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	315886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	142107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	159042	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	7.55	113	111838	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.06	98	447535	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.37	95	158346	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	44491	18.274	ug/l	99
3) Chloromethane	2.04	50	57592	17.441	ug/l	97
4) Vinyl Chloride	2.16	62	51853	18.114	ug/l	100
5) Bromomethane	2.54	94	23706	18.697	ug/l	93
6) Chloroethane	2.67	64	23517	18.162	ug/l	98
7) Trichlorofluoromethane	2.98	101	62538	18.607	ug/l	99
8) Diethyl Ether	3.37	74	29012	18.459	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	41319	19.174	ug/l	98
10) Methyl Iodide	3.91	142	49528	17.978	ug/l	99
11) Tert butyl alcohol	4.73	59	45140	89.493	ug/l	100
12) 1,1-Dichloroethene	3.70	96	40021	18.312	ug/l	99
13) Acrolein	3.57	56	38311	78.809	ug/l	99
14) Allyl chloride	4.28	41	85236	18.030	ug/l	99
15) Acrylonitrile	4.93	53	124037	91.810	ug/l	99
16) Acetone	3.77	43	112981	94.690	ug/l	99
17) Carbon Disulfide	4.01	76	128187	17.852	ug/l	99
18) Methyl Acetate	4.28	43	55687	18.436	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	146773	18.247	ug/l	100
20) Methylene Chloride	4.50	84	51901	18.136	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	45071	18.581	ug/l	98
22) Diisopropyl ether	5.90	45	177309	18.869	ug/l	97
23) Vinyl Acetate	5.84	43	724877	94.145	ug/l	100
24) 1,1-Dichloroethane	5.80	63	95669	18.906	ug/l	100
25) 2-Butanone	6.79	43	170753	93.967	ug/l	100
26) 2,2-Dichloropropane	6.77	77	76915	18.516	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	51336	18.547	ug/l	97
28) Bromochloromethane	7.15	49	50994	20.477	ug/l	99
29) Tetrahydrofuran	7.17	42	113939	92.664	ug/l	100
30) Chloroform	7.33	83	91134	18.942	ug/l	99
31) Cyclohexane	7.61	56	84758	18.142	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	75844	18.881	ug/l	99
36) 1,1-Dichloropropene	7.75	75	66838	18.535	ug/l	99
37) Ethyl Acetate	6.88	43	69647	17.918	ug/l	99
38) Carbon Tetrachloride	7.73	117	67140	19.370	ug/l	97

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 ALS Vial : 5 Sample Multiplier: 1

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 ClientSampleId :
 VN0722WBS01

Quant Time: Jul 23 07:14:47 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	72851	18.768	ug/l	96
40) Benzene	8.00	78	201885	18.493	ug/l	99
41) Methacrylonitrile	7.12	41	28576	17.153	ug/l	99
42) 1,2-Dichloroethane	8.09	62	75627	18.949	ug/l	100
43) Isopropyl Acetate	8.12	43	114119	18.212	ug/l	100
44) Trichloroethene	8.80	130	46373	18.836	ug/l	99
45) 1,2-Dichloropropane	9.08	63	58136	18.967	ug/l	97
46) Dibromomethane	9.18	93	33150	18.712	ug/l	98
47) Bromodichloromethane	9.37	83	70832	18.455	ug/l	98
48) Methyl methacrylate	9.17	41	54002	18.129	ug/l	99
49) 1,4-Dioxane	9.16	88	18294	399.871	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	345726	92.211	ug/l	99
52) Toluene	10.12	92	121688	19.196	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	79115	18.517	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	87385	19.061	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	46524	18.921	ug/l	98
56) Ethyl methacrylate	10.40	69	73468	17.820	ug/l	97
57) 1,3-Dichloropropane	10.68	76	83780	18.598	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	114977	97.330	ug/l	98
59) 2-Hexanone	10.72	43	248790	87.745	ug/l	100
60) Dibromochloromethane	10.87	129	51574	18.801	ug/l	97
61) 1,2-Dibromoethane	10.98	107	47062	18.381	ug/l	98
64) Tetrachloroethene	10.60	164	39232	19.115	ug/l	95
65) Chlorobenzene	11.41	112	125074	18.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	46234	18.558	ug/l	99
67) Ethyl Benzene	11.48	91	228067	18.783	ug/l	99
68) m/p-Xylenes	11.59	106	167728	38.432	ug/l	99
69) o-Xylene	11.92	106	78243	18.880	ug/l	99
70) Styrene	11.94	104	132617	18.943	ug/l	99
71) Bromoform	12.10	173	34342	18.359	ug/l #	98
73) Isopropylbenzene	12.22	105	211316	18.806	ug/l	99
74) N-amyl acetate	12.05	43	92511	18.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	68471	17.536	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	91841	25.391	ug/l #	100
77) Bromobenzene	12.50	156	49489	18.327	ug/l	98
78) n-propylbenzene	12.56	91	250648	19.043	ug/l	99
79) 2-Chlorotoluene	12.65	91	151862	18.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	181124	19.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	23270	17.909	ug/l	97
82) 4-Chlorotoluene	12.75	91	156688	18.558	ug/l	100
83) tert-Butylbenzene	12.97	119	147386	19.043	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	175423	19.185	ug/l	99
85) sec-Butylbenzene	13.15	105	198202	19.128	ug/l	100
86) p-Isopropyltoluene	13.26	119	171475	19.241	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	86204	18.191	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	86087	18.454	ug/l	98
89) n-Butylbenzene	13.59	91	138922	18.142	ug/l	99
90) Hexachloroethane	13.85	117	34803	18.345	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	83481	18.424	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	12380	17.463	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

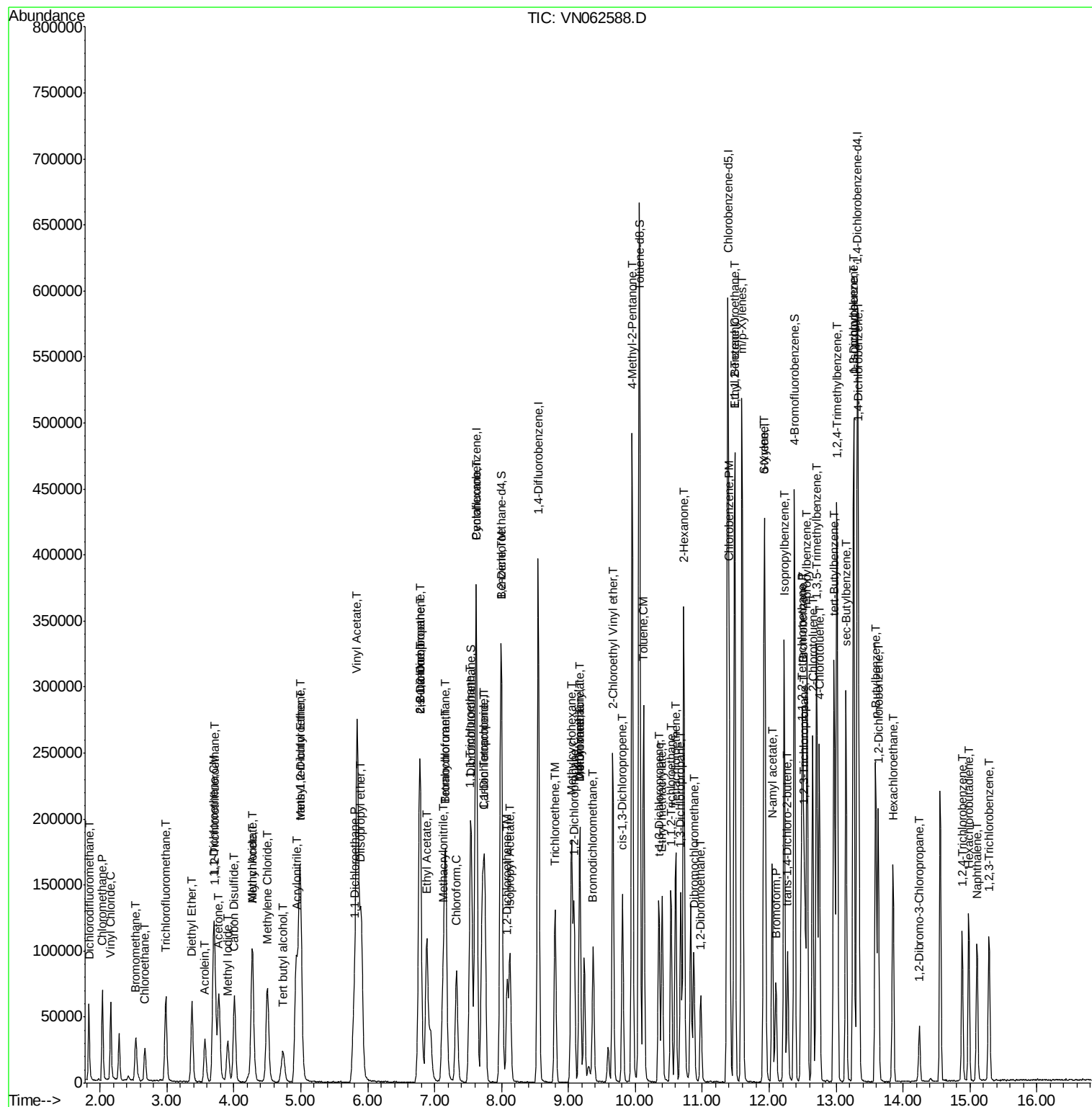
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	35848	17.217	ug/l	99
94) Hexachlorobutadiene	14.98	225	23788	19.138	ug/l	98
95) Naphthalene	15.10	128	85991	16.345	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	36249	16.976	ug/l	99

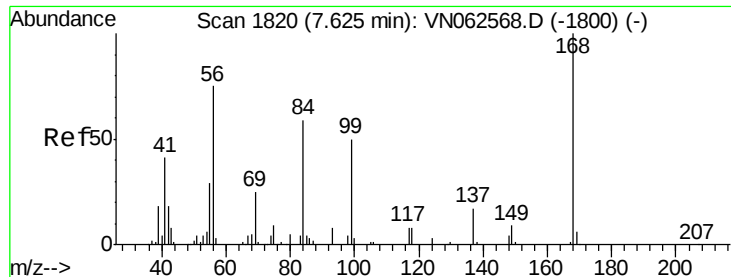
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072220\
Data File : VN062588.D
Acq On : 22 Jul 2020 12:00
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Sample : VN0722WBS01
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

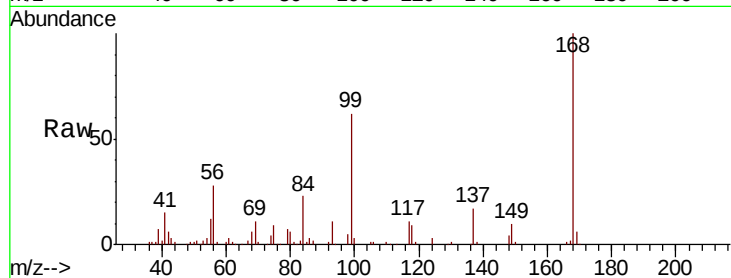
VN0722WBS01

Tot Ion:168 Resp: 204108

Ion Ratio Lower Upper

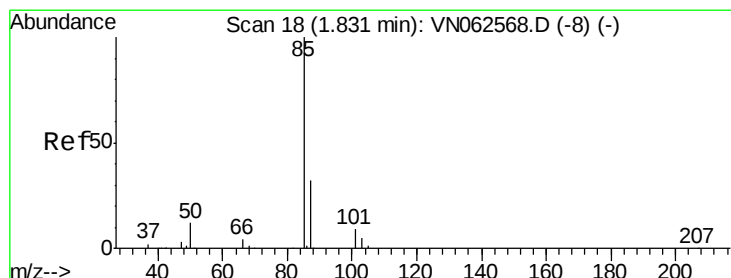
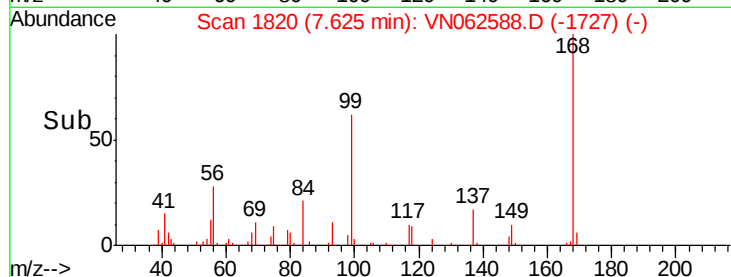
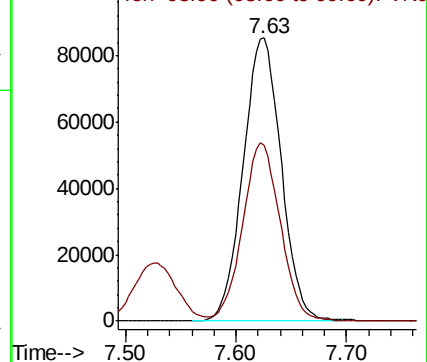
168 100

99 61.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.274 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062588.D

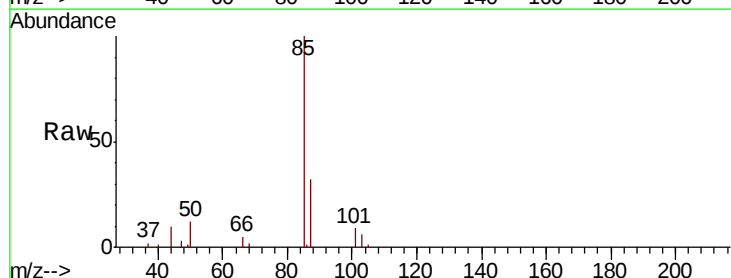
Acq: 22 Jul 2020 12:00

Tgt Ion: 85 Resp: 44491

Ion Ratio Lower Upper

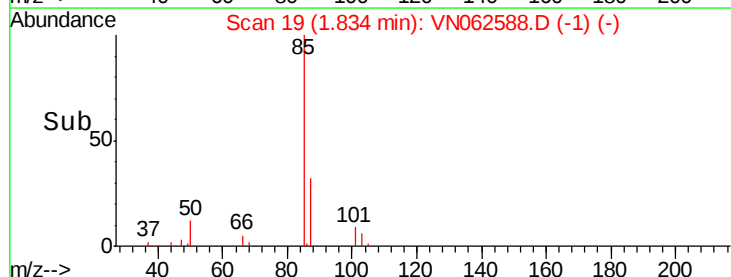
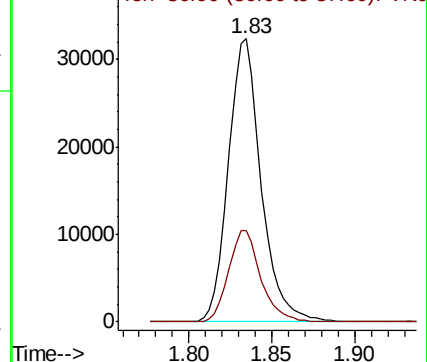
85 100

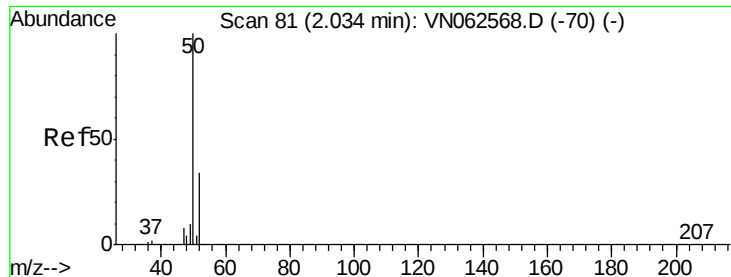
87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.441 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

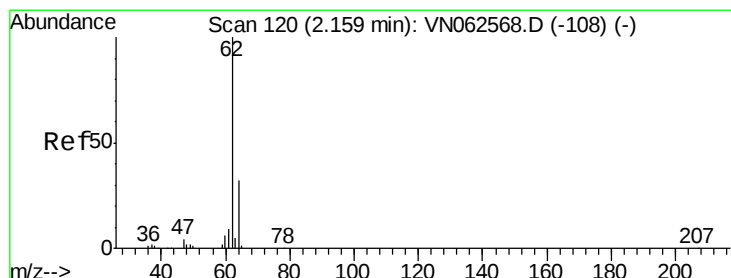
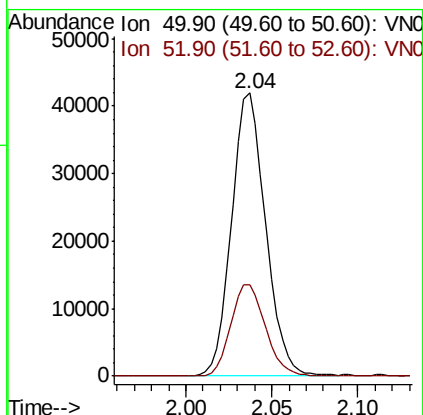
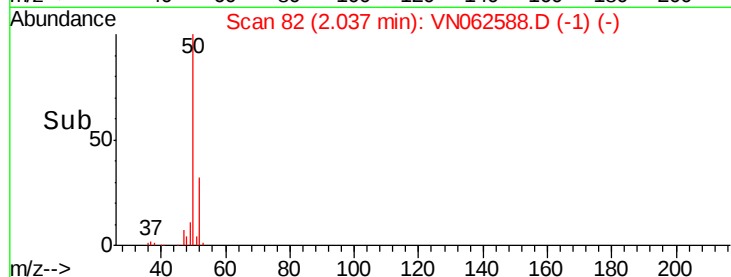
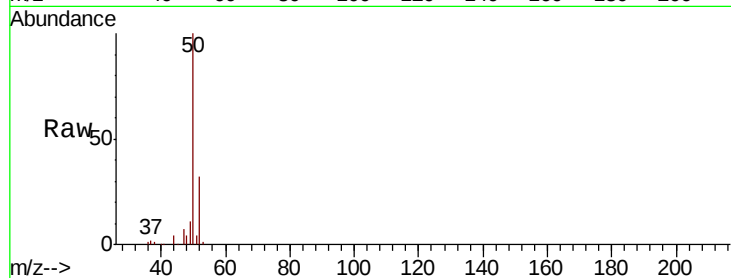
VN0722WBS01

Tot Ion: 50 Resp: 57592

Ion Ratio Lower Upper

50 100

52 32.3 27.0 40.4



#4

Vinyl Chloride

Concen: 18.114 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062588.D

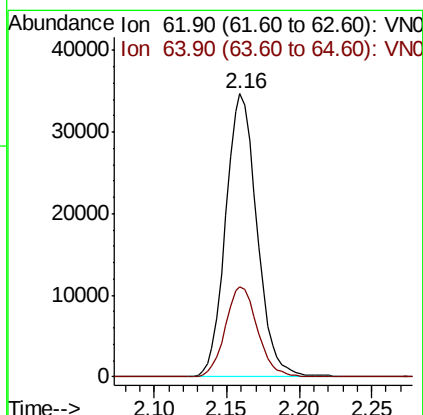
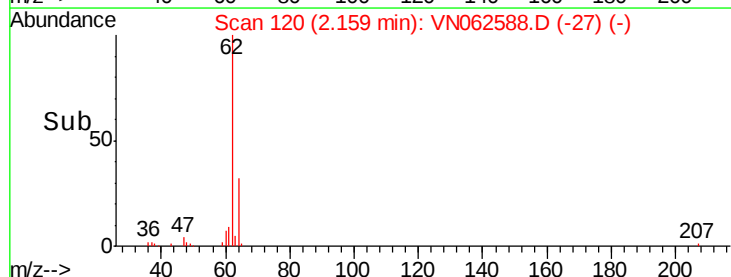
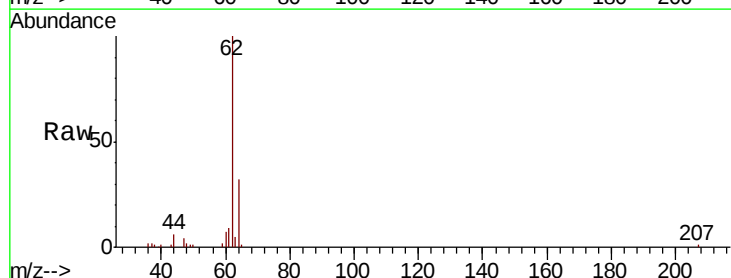
Acq: 22 Jul 2020 12:00

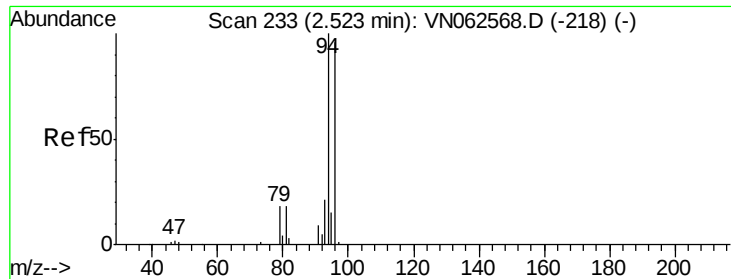
Tgt Ion: 62 Resp: 51853

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 18.697 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

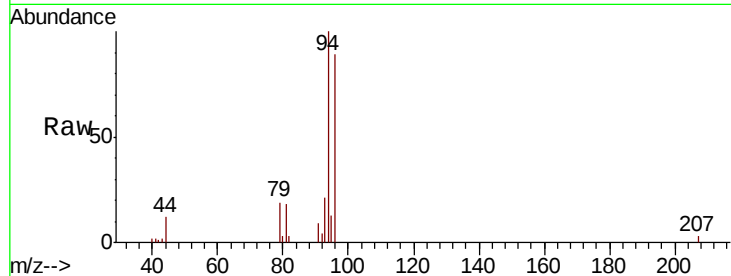
VN0722WBS01

Tot Ion: 94 Resp: 23706

Ion Ratio Lower Upper

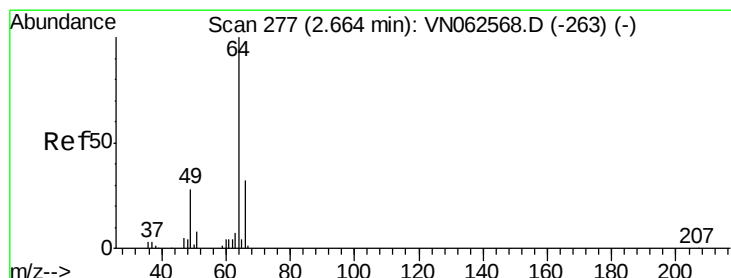
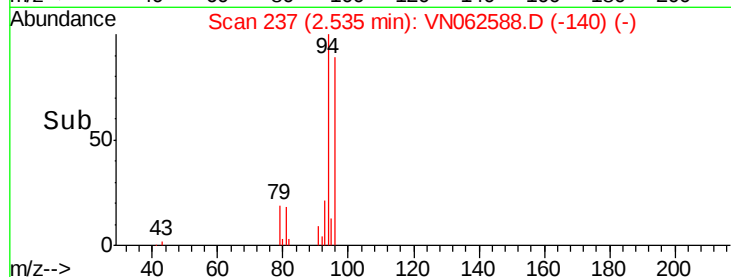
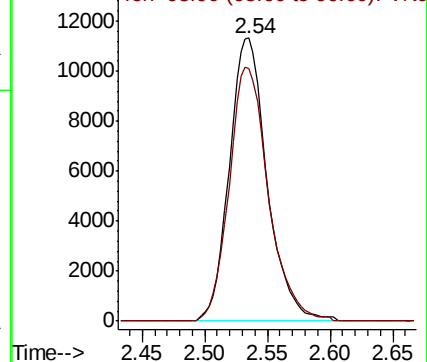
94 100

96 89.2 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: 18.162 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062588.D

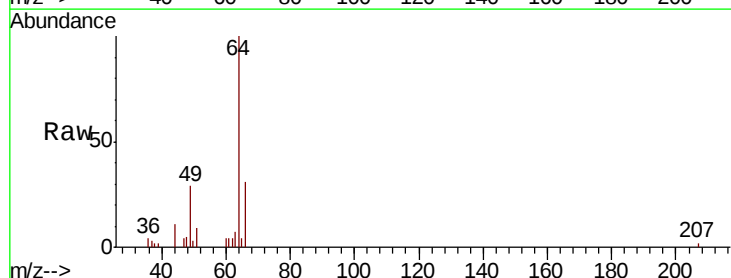
Acq: 22 Jul 2020 12:00

Tgt Ion: 64 Resp: 23517

Ion Ratio Lower Upper

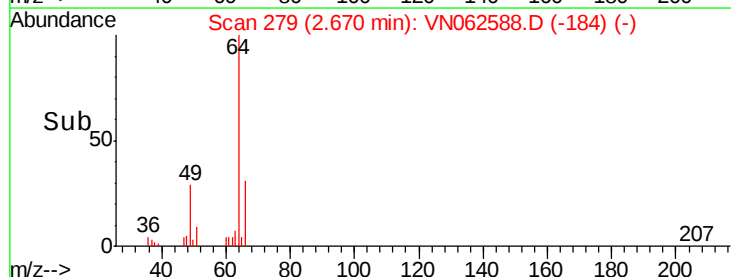
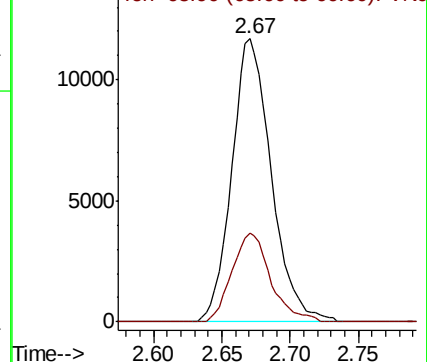
64 100

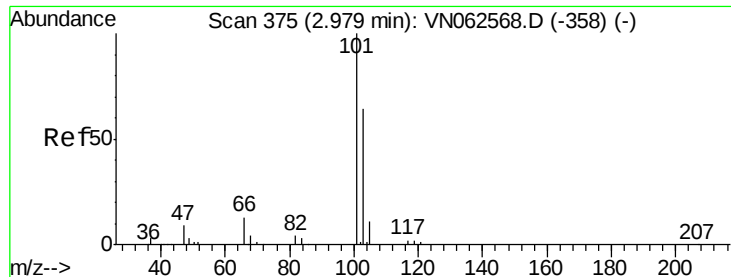
66 31.2 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



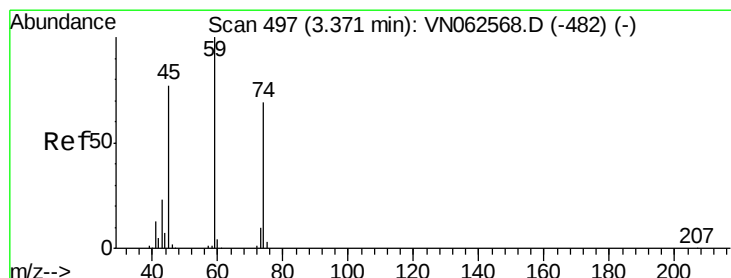
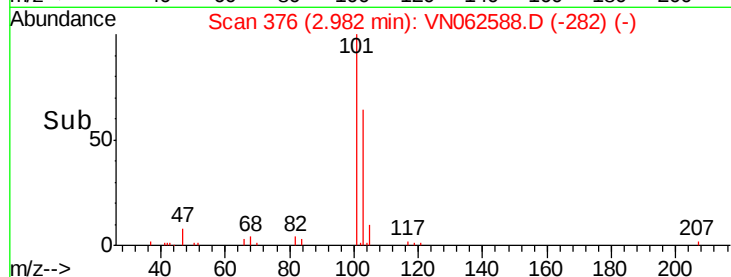
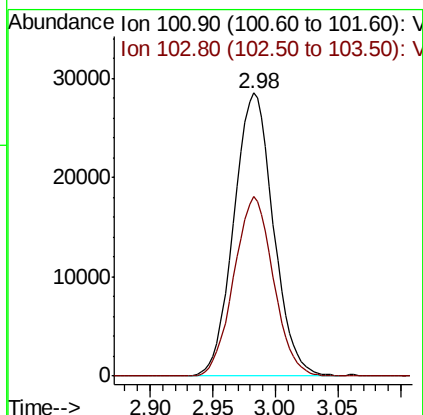
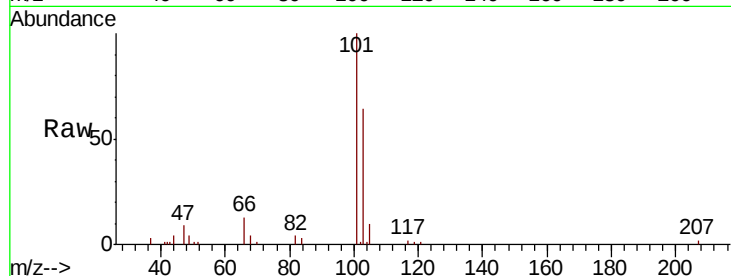


#7

Trichlorofluoromethane
 Concen: 18.607 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Instrument :
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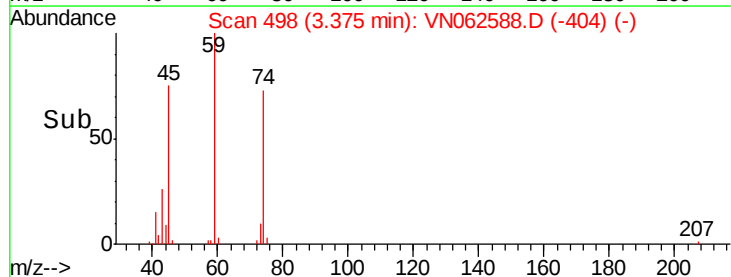
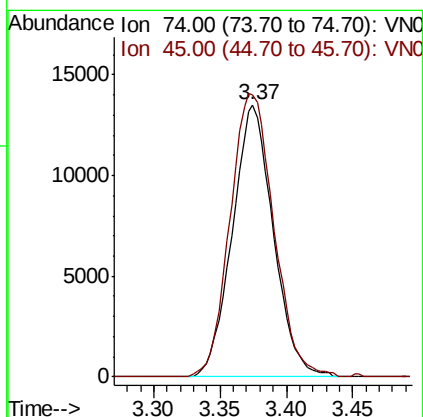
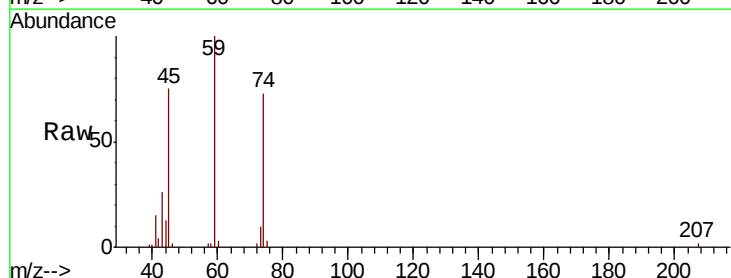
Tot Ion:101 Resp: 62538
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.5 77.3

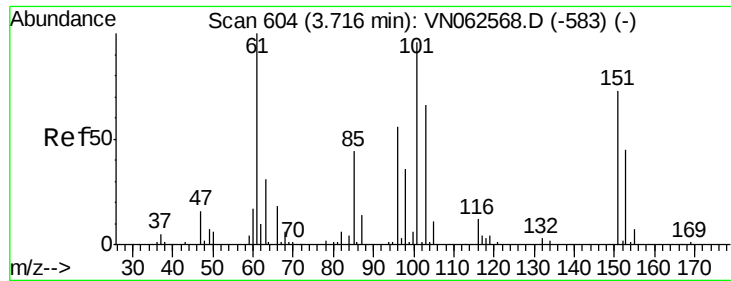


#8

Diethyl Ether
 Concen: 18.459 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion: 74 Resp: 29012
 Ion Ratio Lower Upper
 74 100
 45 111.3 55.3 165.8

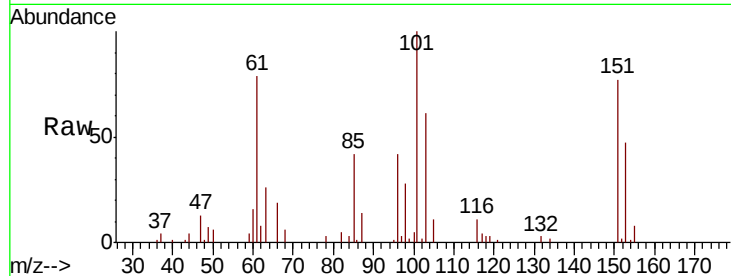




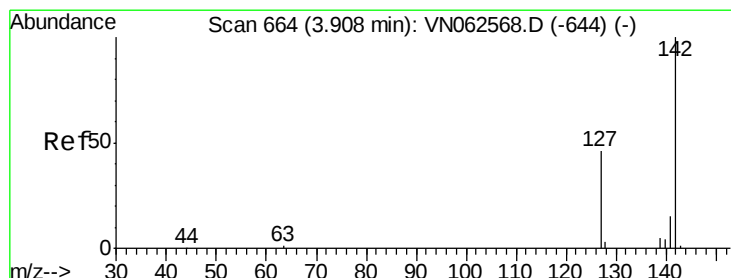
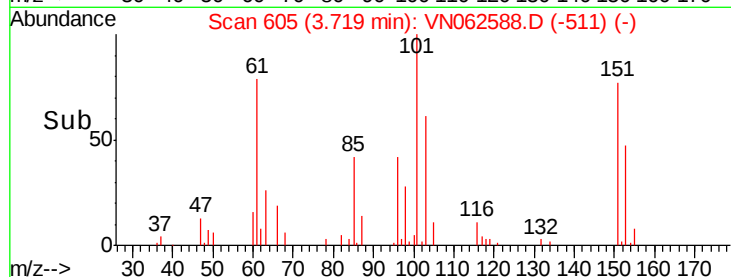
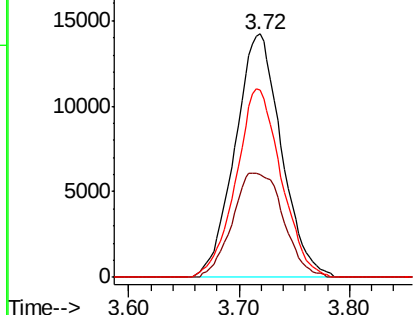
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.174 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

Tot Ion:101 Resp: 41319
 Ion Ratio Lower Upper
 101 100
 85 47.0 36.0 54.0
 151 75.6 60.0 90.0

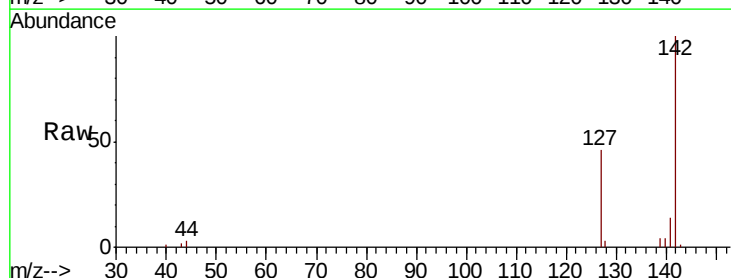


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

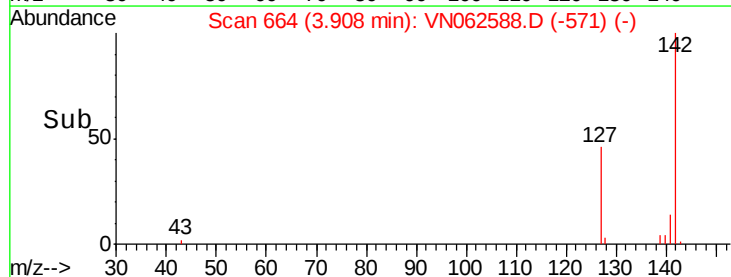
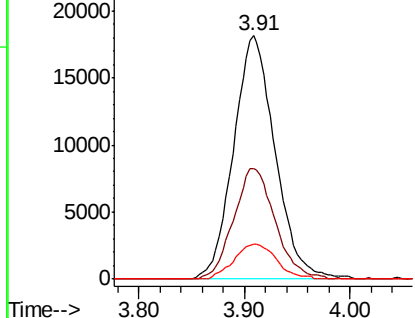


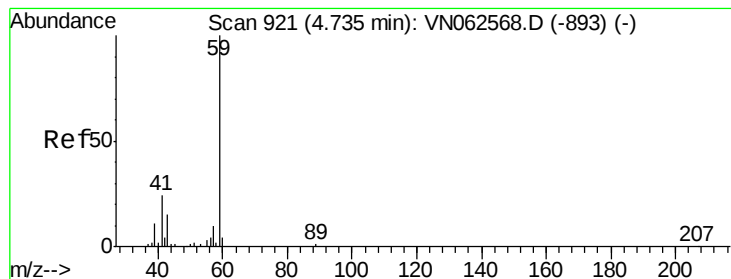
#10
 Methyl Iodide
 Concen: 17.978 ug/l
 RT: 3.91 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion:142 Resp: 49528
 Ion Ratio Lower Upper
 142 100
 127 45.5 37.4 56.0
 141 14.8 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: 89.493 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

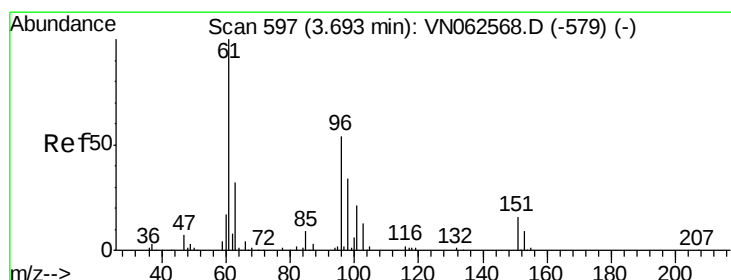
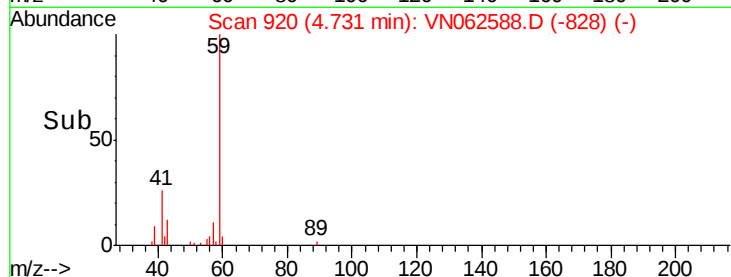
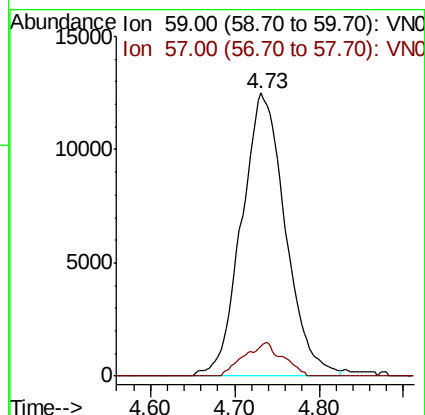
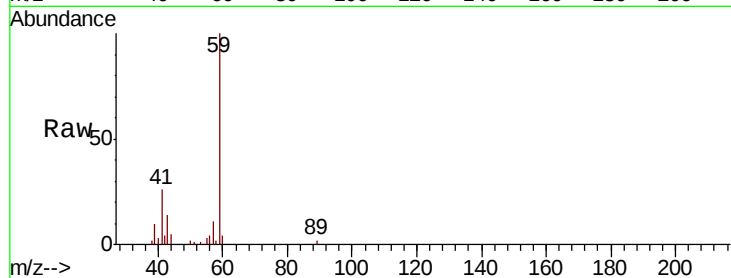
VN0722WBS01

Tot Ion: 59 Resp: 45140

Ion Ratio Lower Upper

59 100

57 10.3 8.2 12.2



#12

1,1-Dichloroethene

Concen: 18.312 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

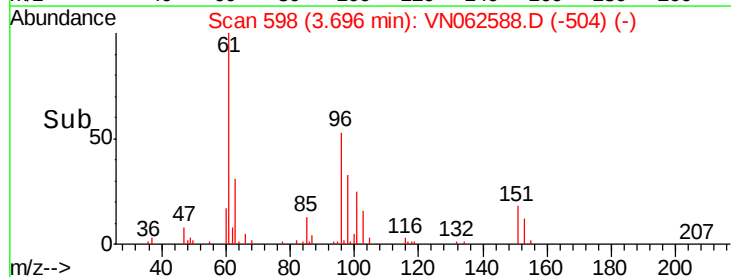
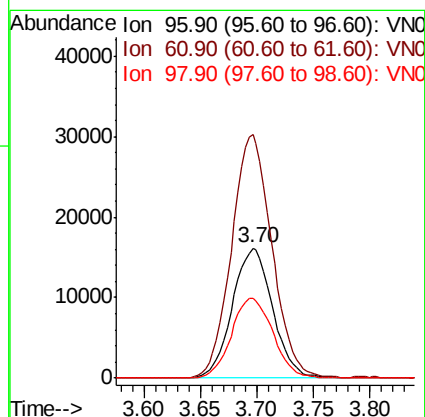
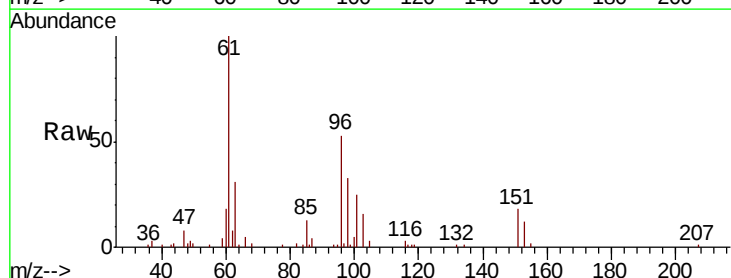
Tgt Ion: 96 Resp: 40021

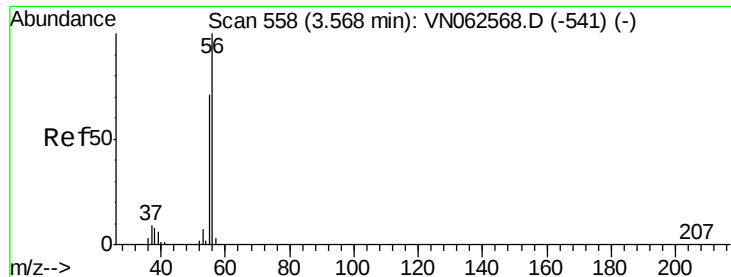
Ion Ratio Lower Upper

96 100

61 187.3 148.6 222.8

98 61.2 50.6 75.8





#13

Acrolein

Concen: 78.809 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

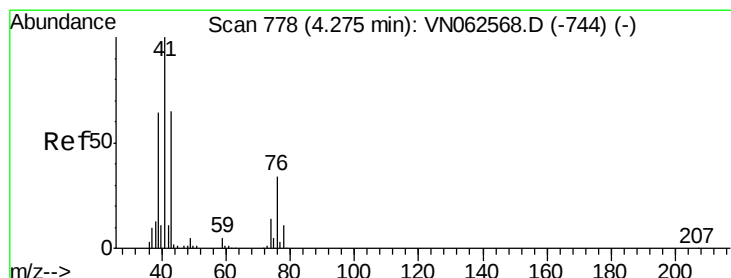
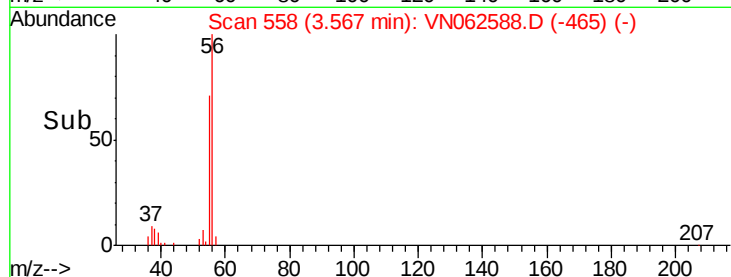
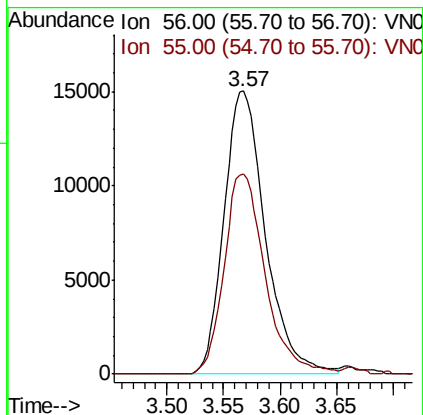
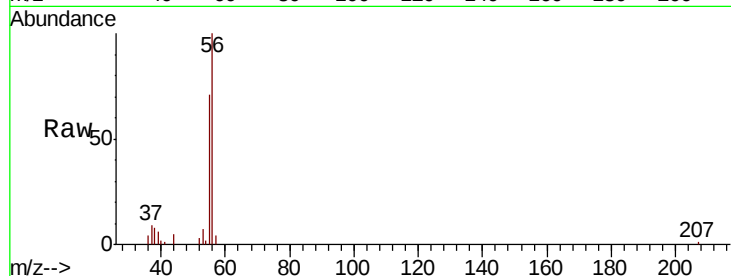
VN0722WBS01

Tot Ion: 56 Resp: 38311

Ion Ratio Lower Upper

56 100

55 70.2 57.0 85.4



#14

Allyl chloride

Concen: 18.030 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

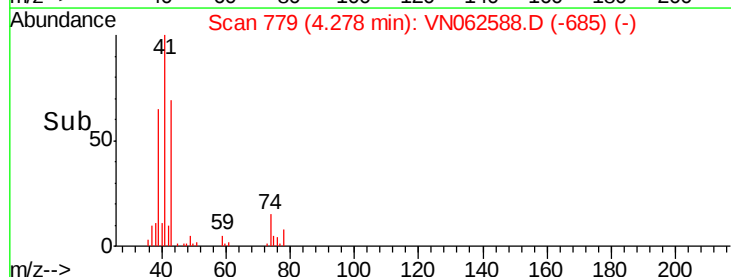
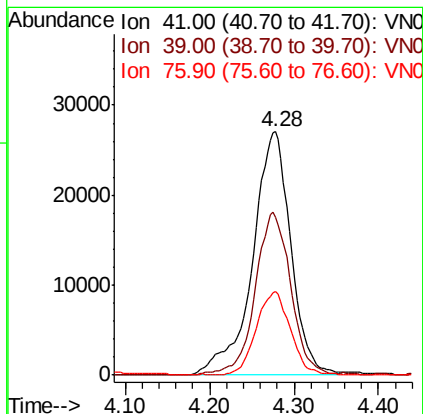
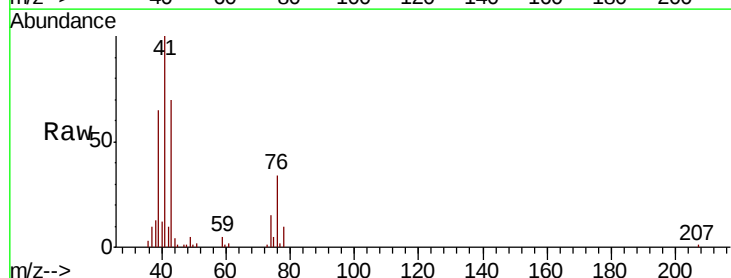
Tgt Ion: 41 Resp: 85236

Ion Ratio Lower Upper

41 100

39 62.0 49.0 73.4

76 30.5 24.0 36.0





#15

Acrylonitrile

Concen: 91.810 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBS01

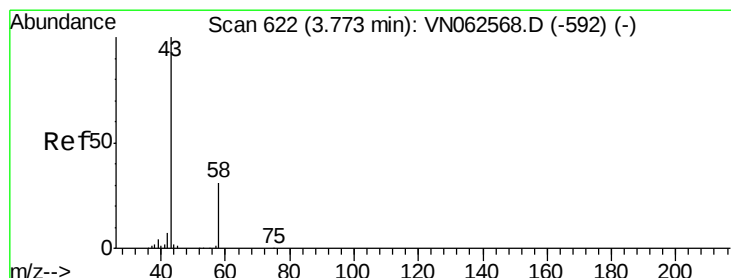
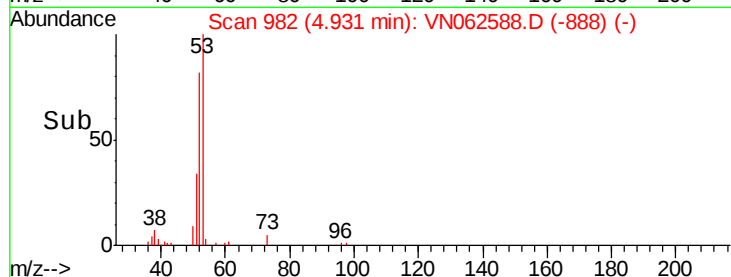
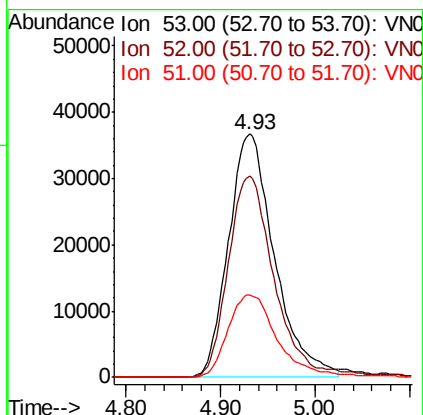
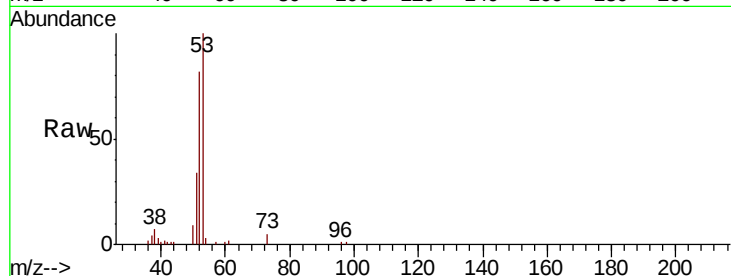
Tot Ion: 53 Resp: 124037

Ion Ratio Lower Upper

53 100

52 82.7 66.3 99.5

51 36.5 28.6 43.0



#16

Acetone

Concen: 94.690 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062588.D

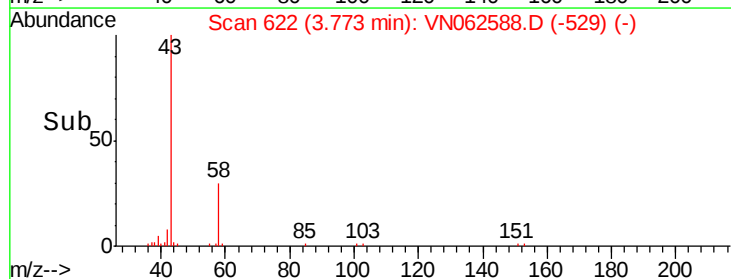
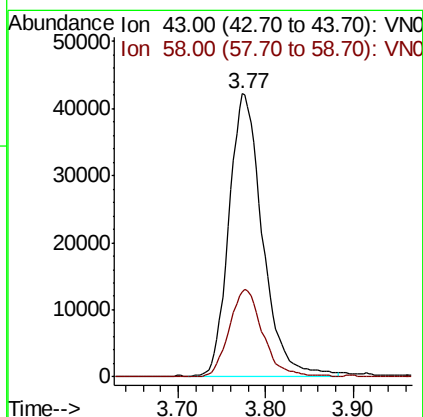
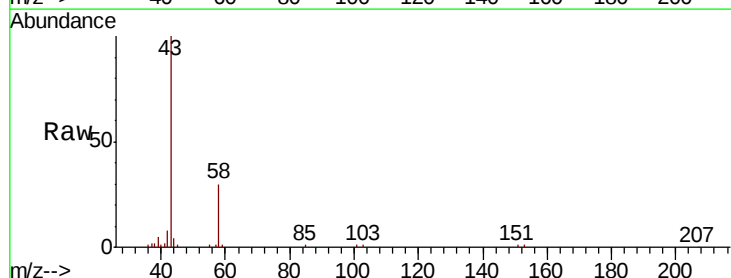
Acq: 22 Jul 2020 12:00

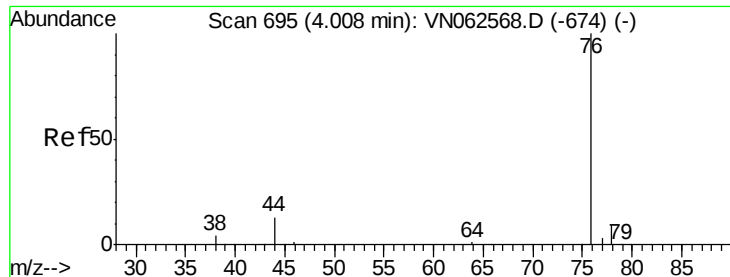
Tgt Ion: 43 Resp: 112981

Ion Ratio Lower Upper

43 100

58 30.1 24.6 37.0

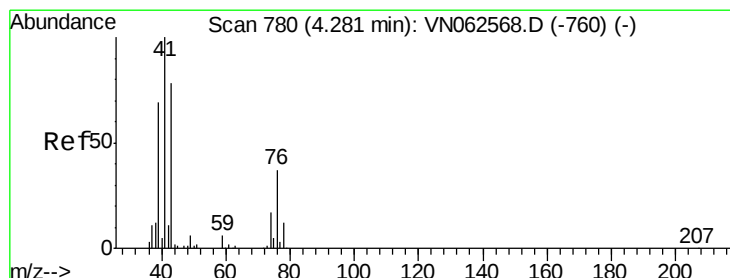
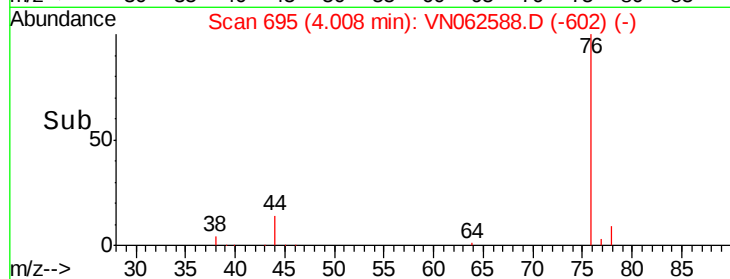
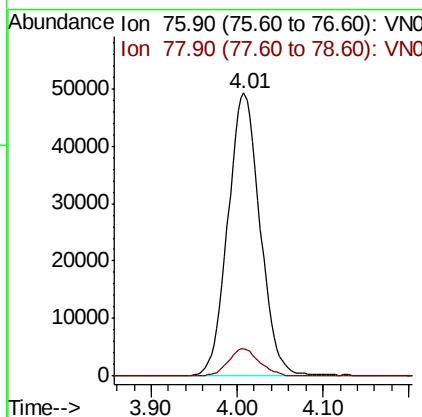
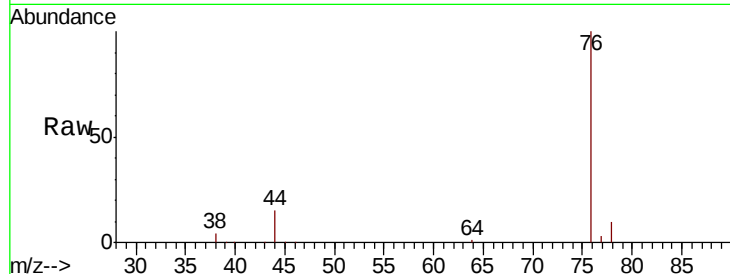




#17
Carbon Disulfide
Concen: 17.852 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

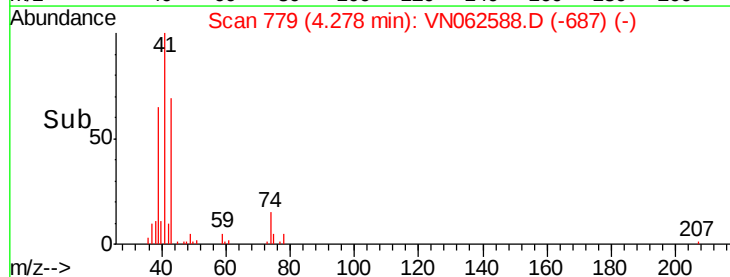
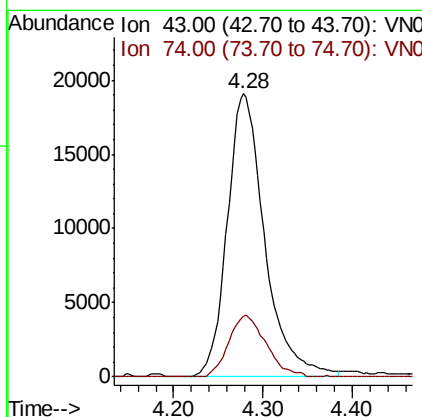
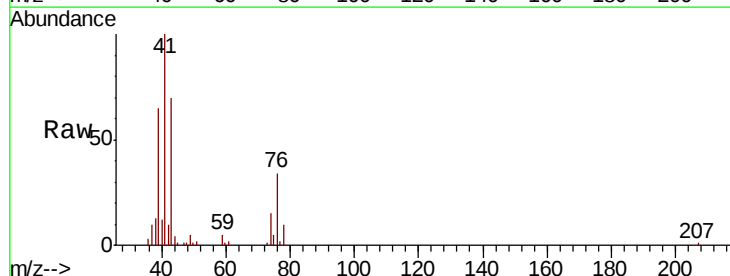
Instrument :
MSVOA_N
ClientSampled :
VN0722WBS01

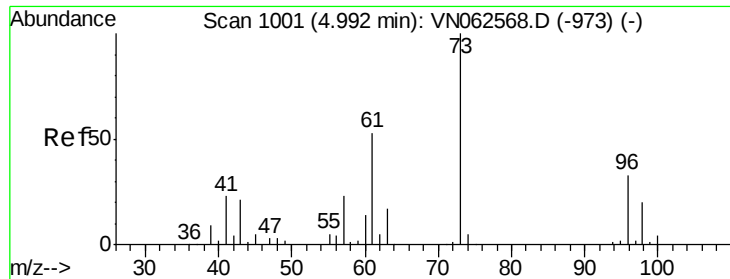
Tot Ion: 76 Resp: 128187
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 18.436 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 43 Resp: 55687
Ion Ratio Lower Upper
43 100
74 21.7 16.6 24.8

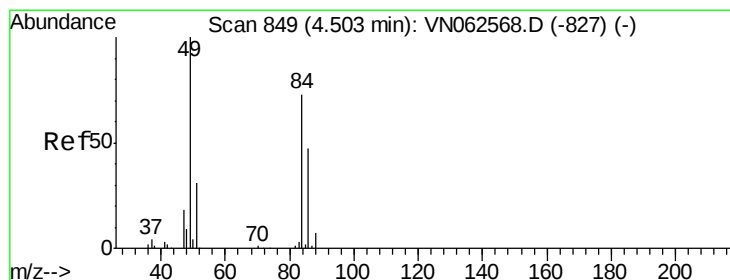
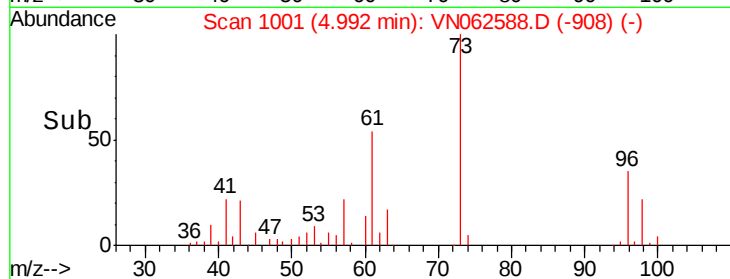
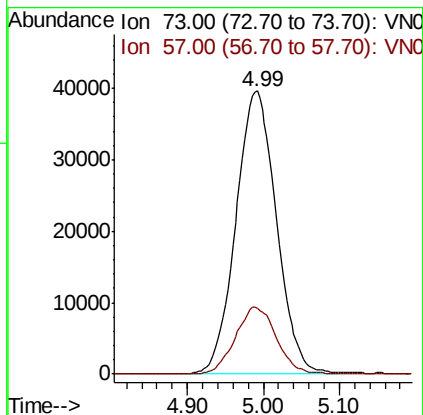
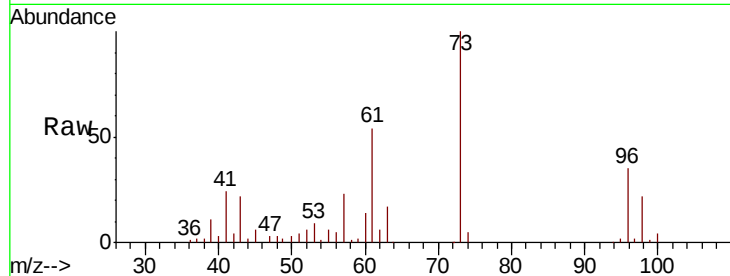




#19
Methyl tert-butyl Ether
Concen: 18.247 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

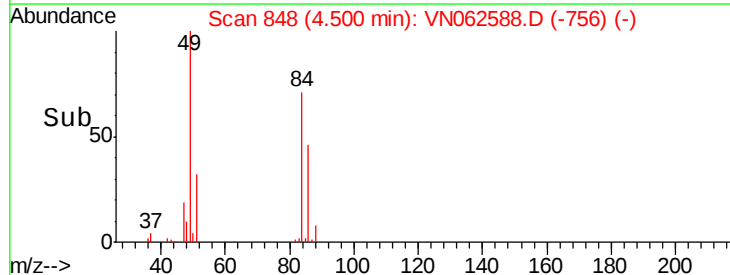
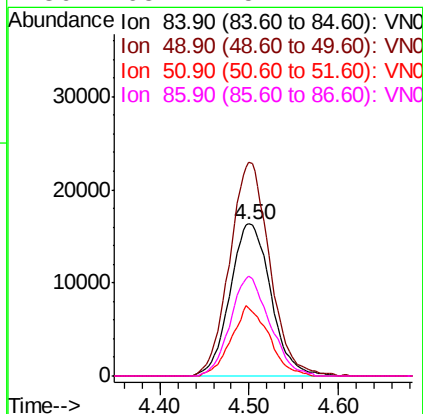
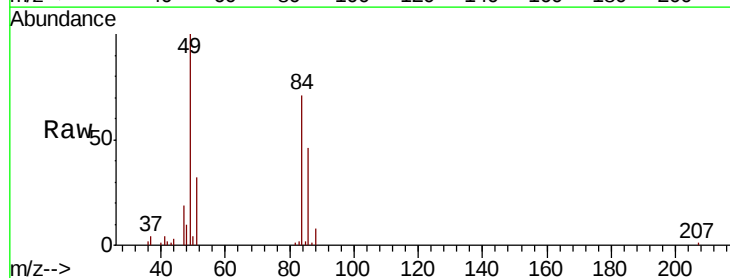
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

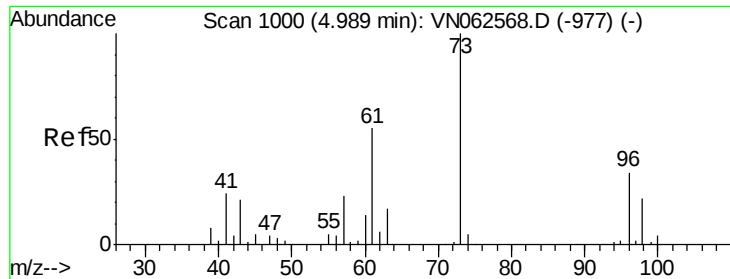
Tot Ion: 73 Resp: 146773
Ion Ratio Lower Upper
73 100
57 23.0 18.6 27.8



#20
Methylene Chloride
Concen: 18.136 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 84 Resp: 51901
Ion Ratio Lower Upper
84 100
49 140.3 109.4 164.0
51 44.7 33.6 50.4
86 65.2 51.4 77.2

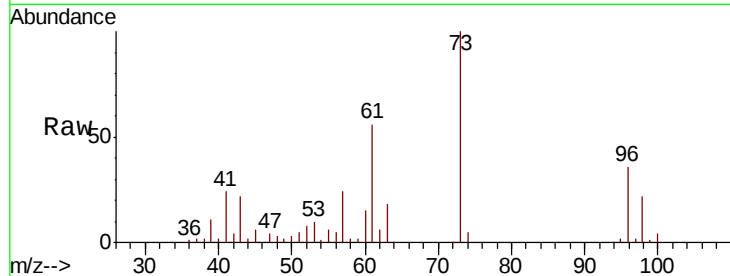




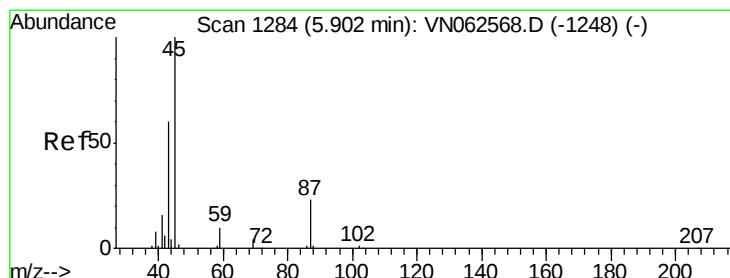
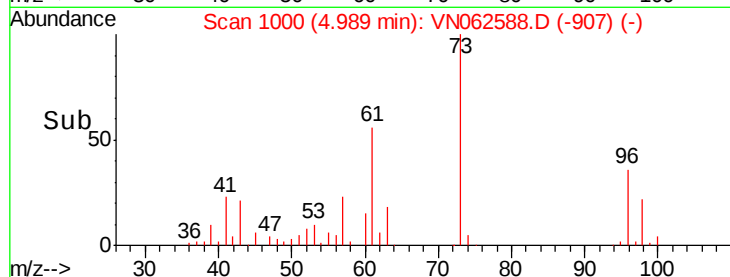
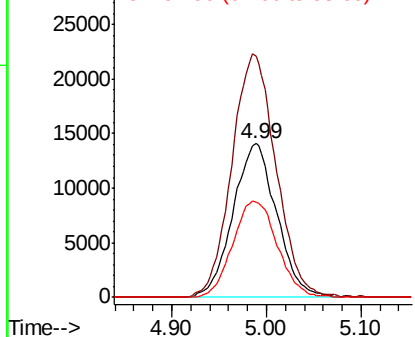
#21
trans-1,2-Dichloroethene
Concen: 18.581 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

Tot Ion: 96 Resp: 45071
Ion Ratio Lower Upper
96 100
61 157.1 128.6 192.8
98 62.4 50.6 76.0

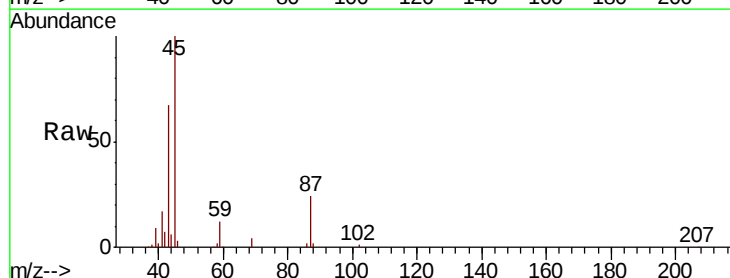


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

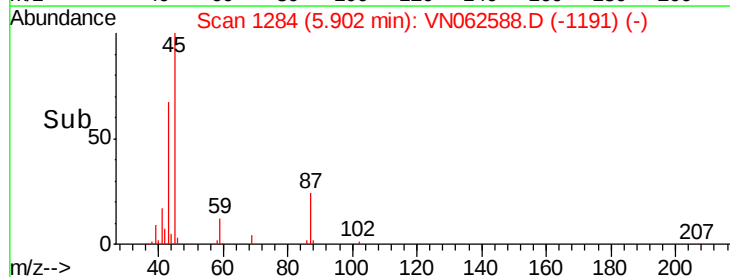
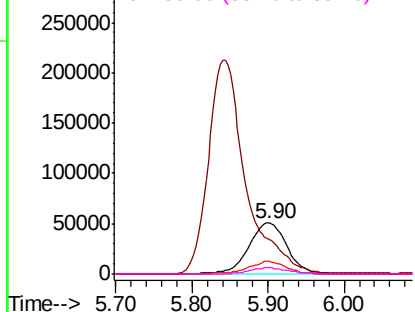


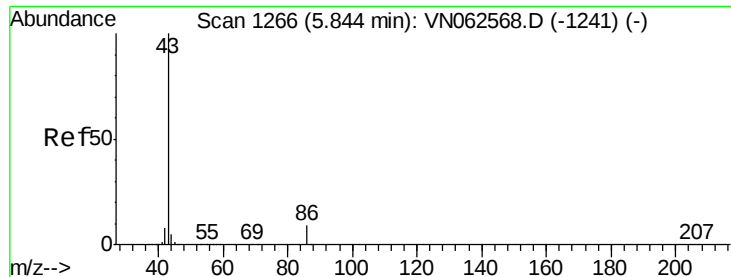
#22
Diisopropyl ether
Concen: 18.869 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 45 Resp: 177309
Ion Ratio Lower Upper
45 100
43 64.0 48.7 73.1
87 24.3 19.0 28.6
59 11.3 8.6 13.0



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 94.145 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

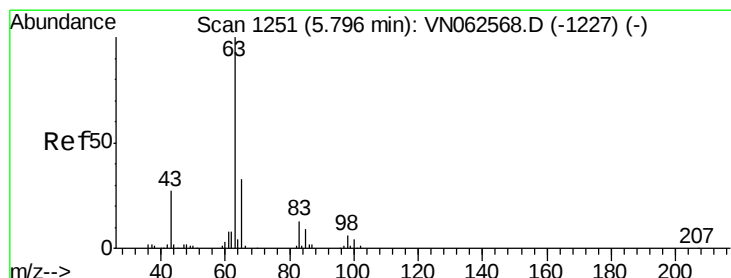
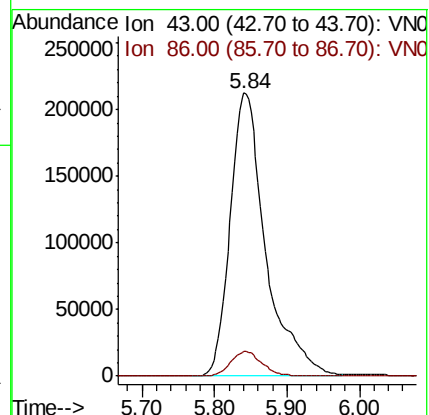
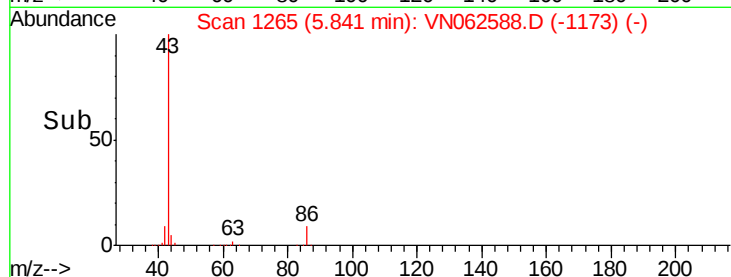
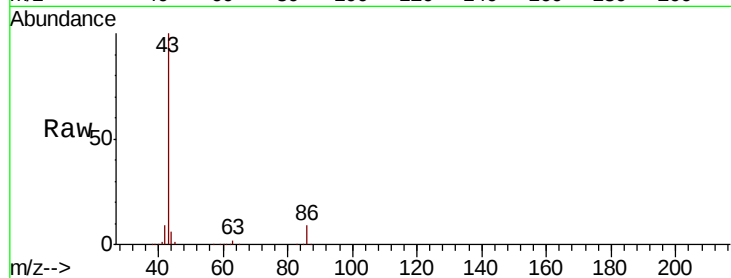
VN0722WBS01

Tot Ion: 43 Resp: 724877

Ion Ratio Lower Upper

43 100

86 8.7 6.9 10.3



#24

1,1-Dichloroethane

Concen: 18.906 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

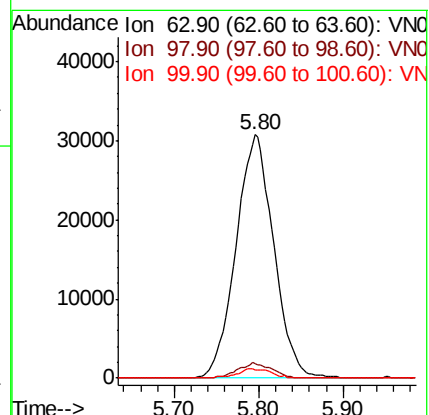
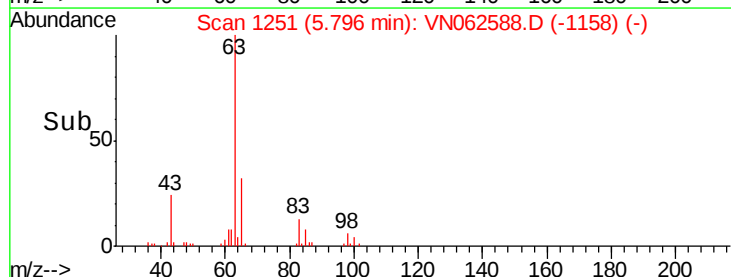
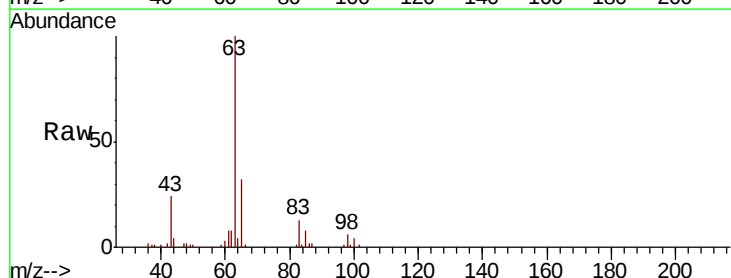
Tgt Ion: 63 Resp: 95669

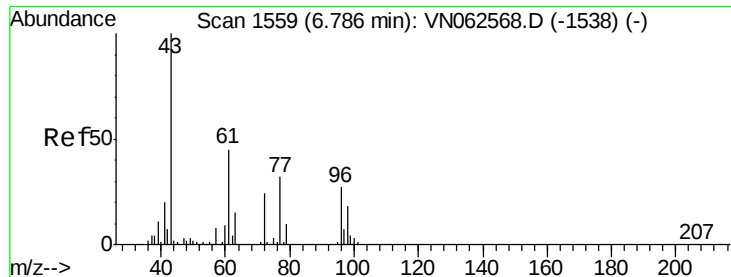
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.5 1.8 5.4

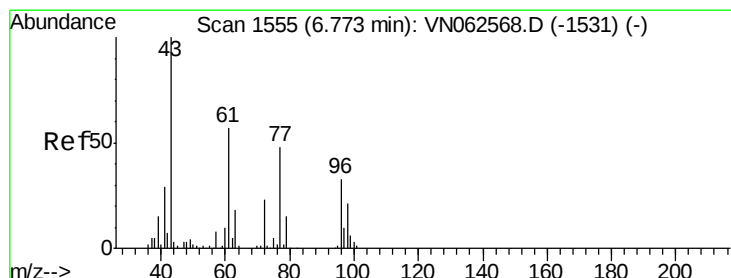
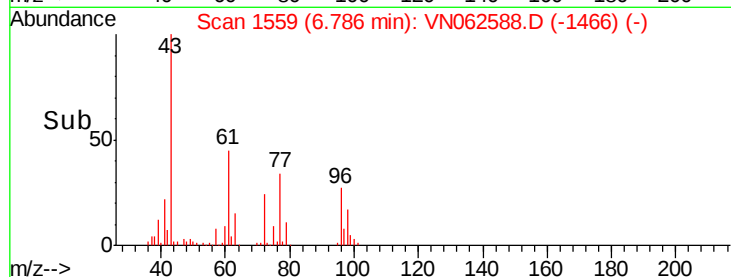
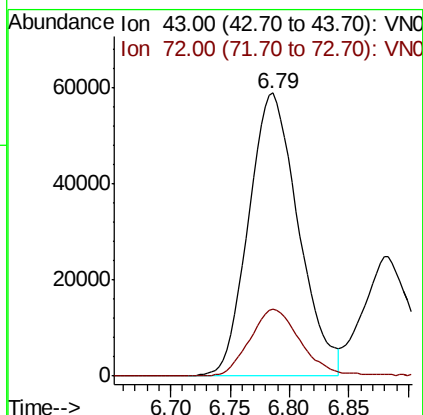
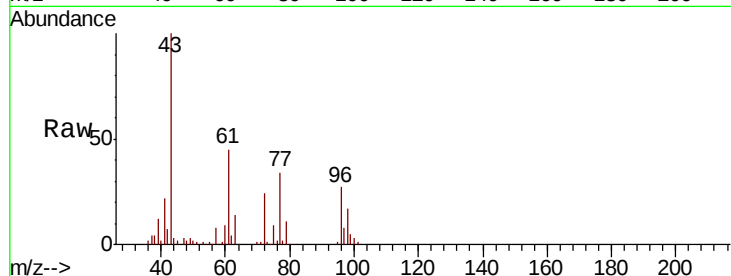




#25
 2-Butanone
 Concen: 93.967 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

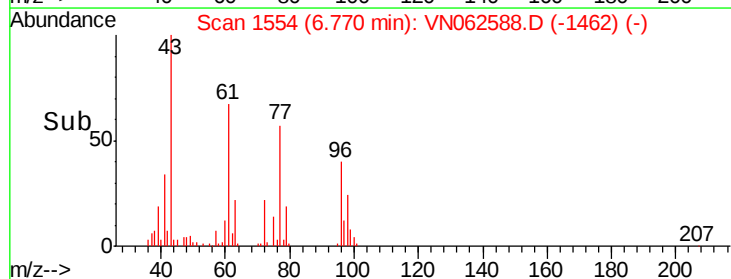
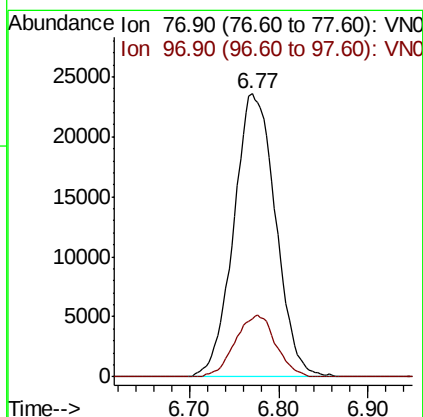
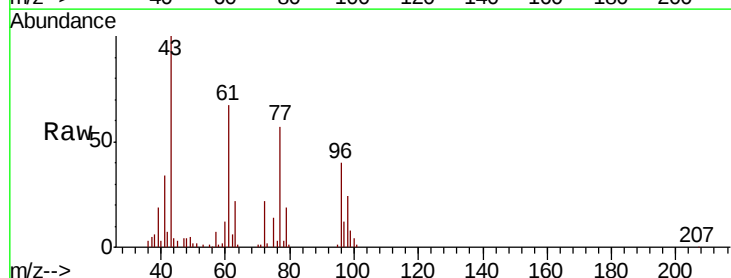
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

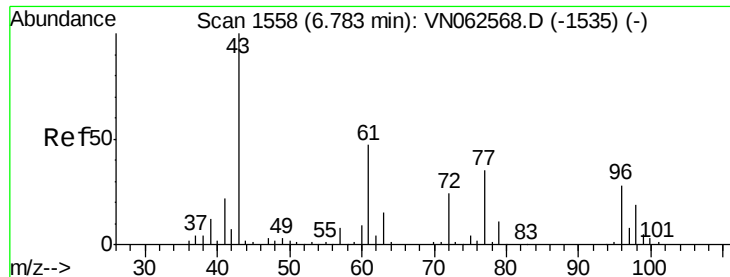
Tot Ion: 43 Resp: 170753
 Ion Ratio Lower Upper
 43 100
 72 23.6 19.0 28.6



#26
 2,2-Dichloropropane
 Concen: 18.516 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion: 77 Resp: 76915
 Ion Ratio Lower Upper
 77 100
 97 21.1 10.8 32.4

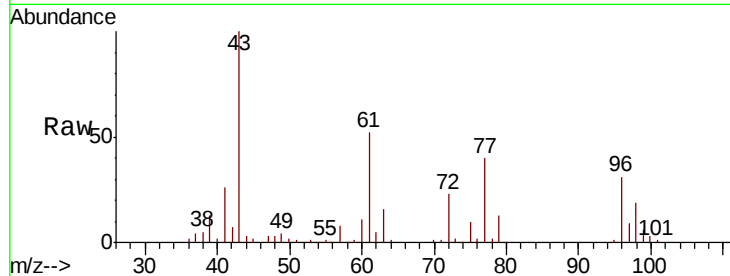




#27
 cis-1,2-Dichloroethene
 Concen: 18.547 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.1	0.0	332.4
98	62.1	0.0	127.4

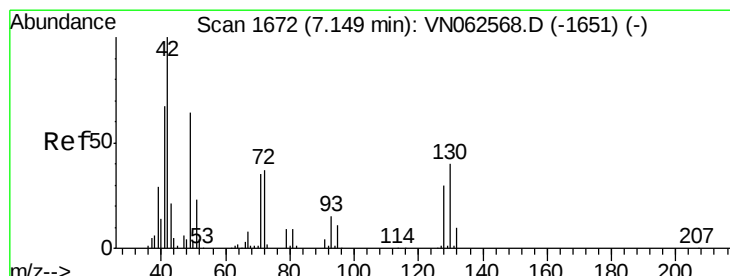
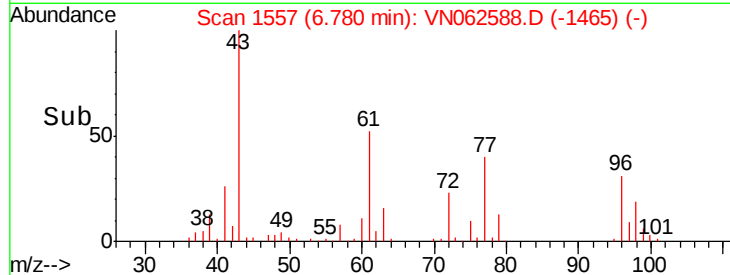
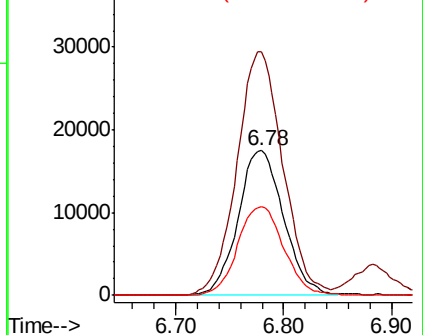


Abundance

Ion 95.90 (95.60 to 96.60): VN0

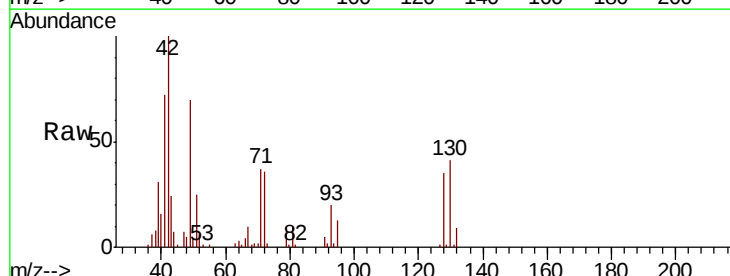
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28
 Bromochloromethane
 Concen: 20.477 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	61.4	49.8	74.8

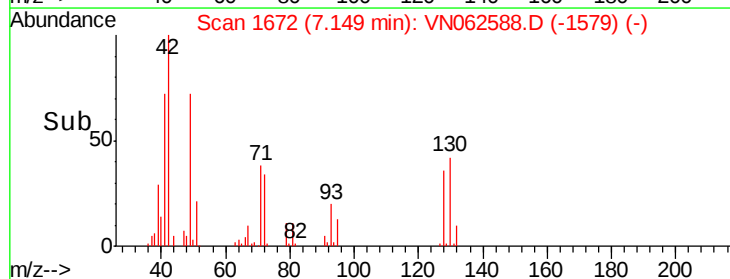
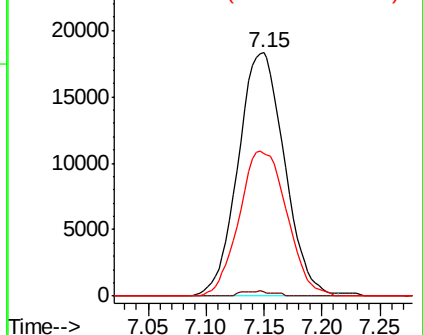


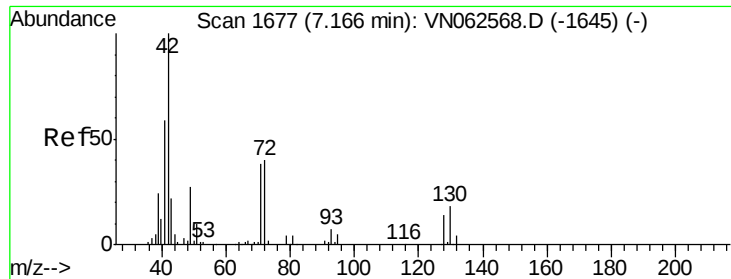
Abundance

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

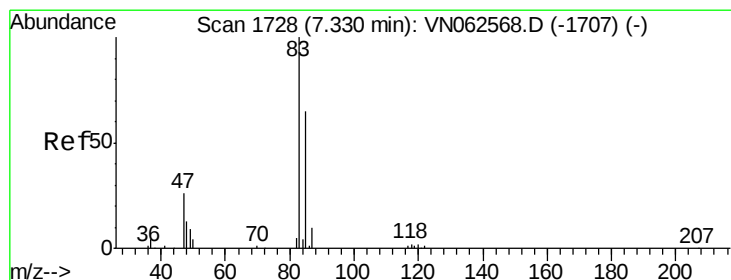
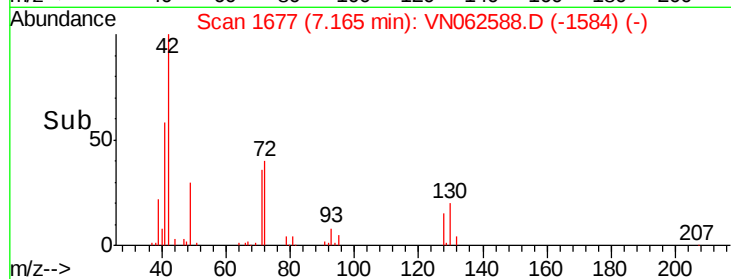
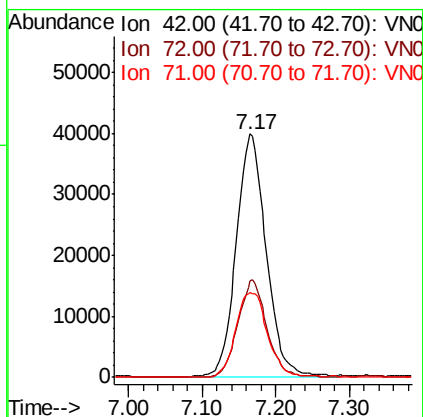
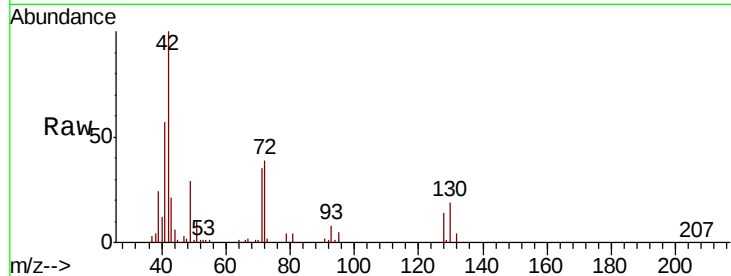




#29
Tetrahydrofuran
Concen: 92.664 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

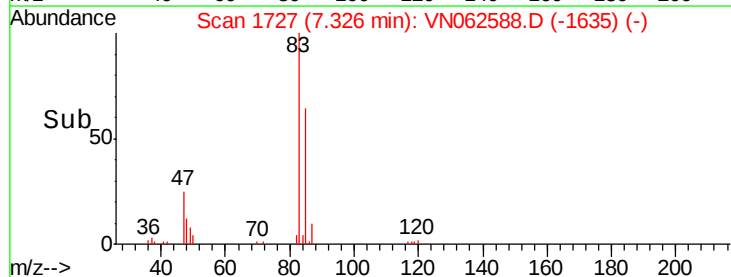
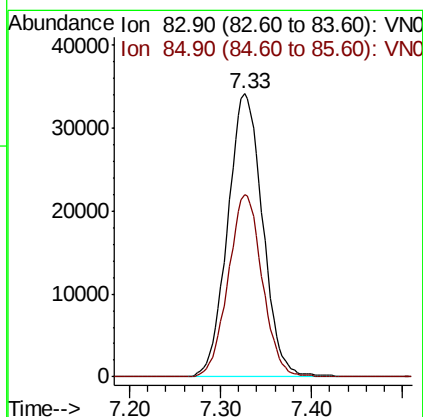
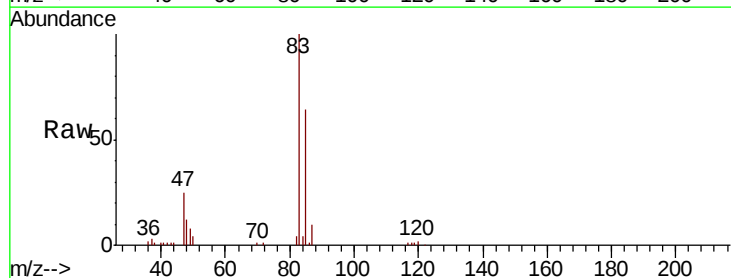
Instrument :
MSVOA_N
ClientSampled :
VN0722WBS01

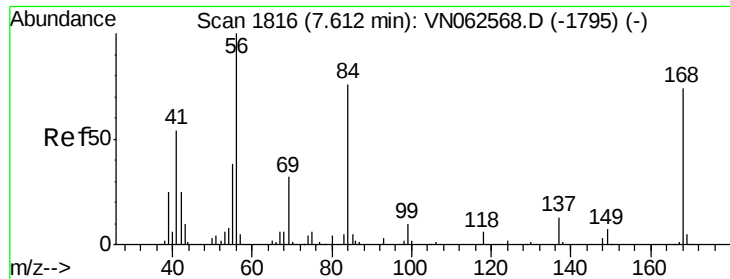
Tot Ion: 42 Resp: 113939
Ion Ratio Lower Upper
42 100
72 38.5 30.7 46.1
71 36.8 29.1 43.7



#30
Chloroform
Concen: 18.942 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 83 Resp: 91134
Ion Ratio Lower Upper
83 100
85 64.4 52.0 78.0

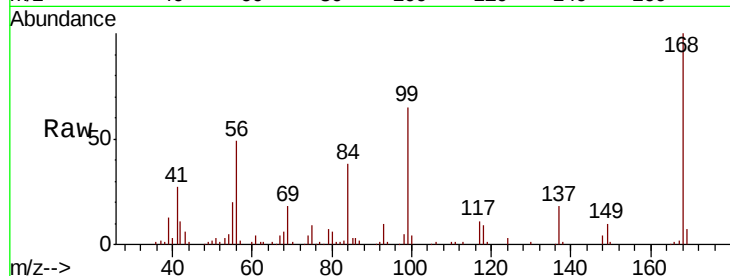




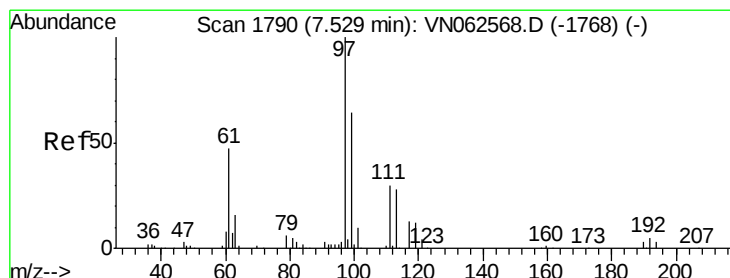
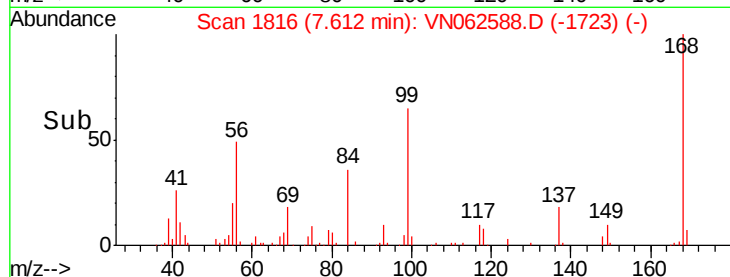
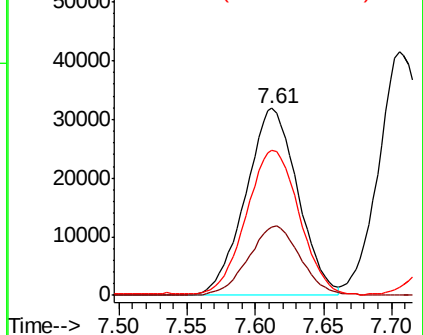
#31
Cyclohexane
Concen: 18.142 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

Tot Ion: 56 Resp: 84758
Ion Ratio Lower Upper
56 100
69 36.7 25.3 37.9
84 76.8 61.0 91.4

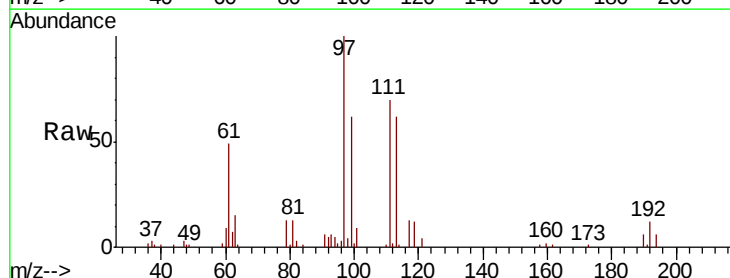


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

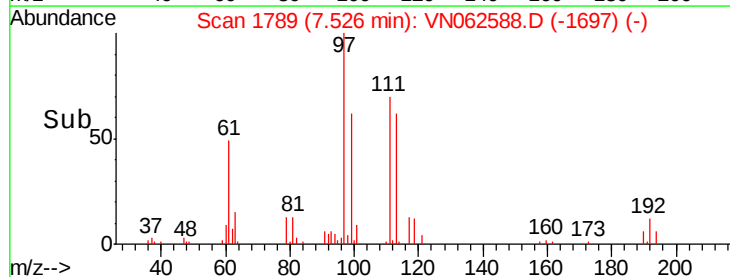
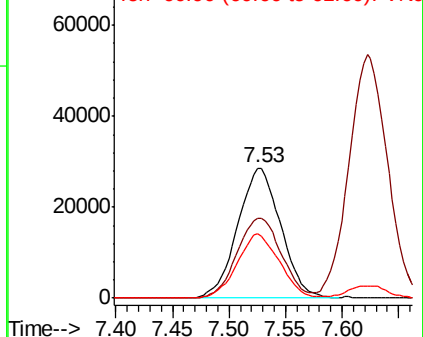


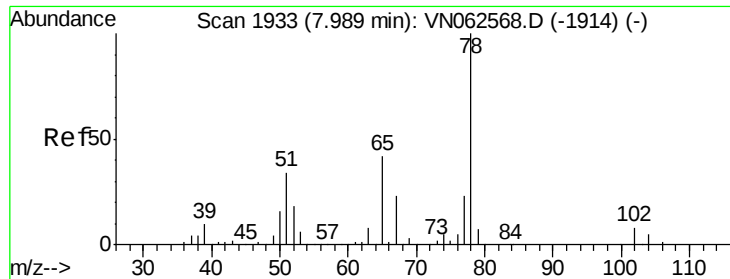
#32
1,1,1-Trichloroethane
Concen: 18.881 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 97 Resp: 75844
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 48.1 38.4 57.6



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





#33

1,2-Dichloroethane-d4

Concen: 50.160 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

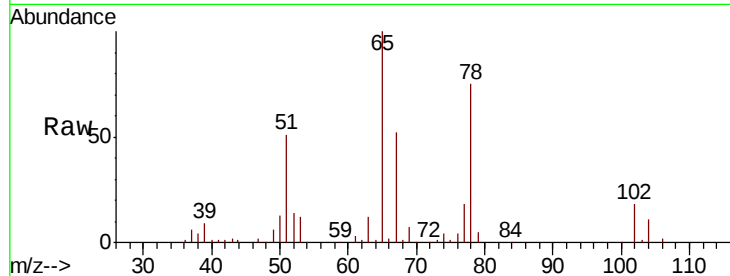
VN0722WBS01

Tot Ion: 65 Resp: 159042

Ion Ratio Lower Upper

65 100

67 52.0 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) (-)

7.99

60000

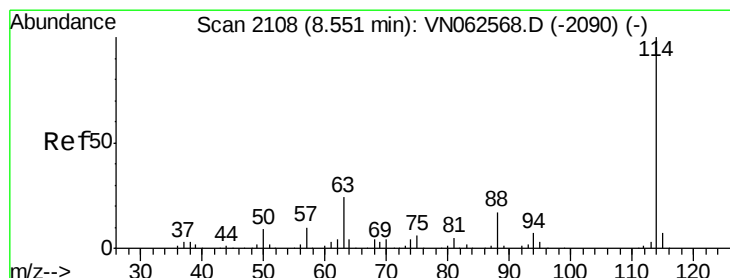
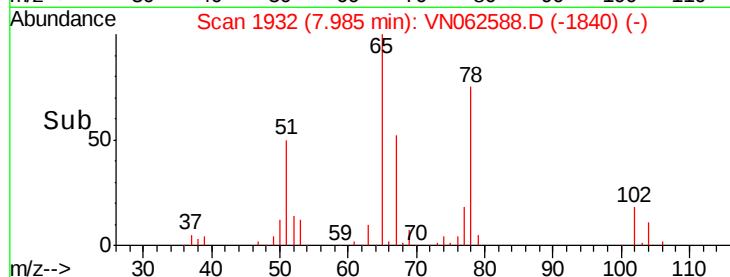
40000

20000

0

Time-->

7.90 7.95 8.00 8.05



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

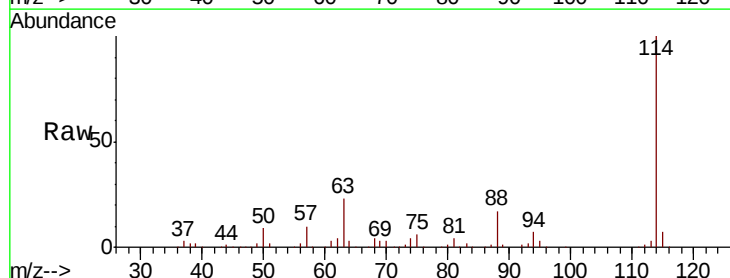
Tgt Ion:114 Resp: 338303

Ion Ratio Lower Upper

114 100

63 22.8 0.0 48.4

88 17.4 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) (-)

200000

150000

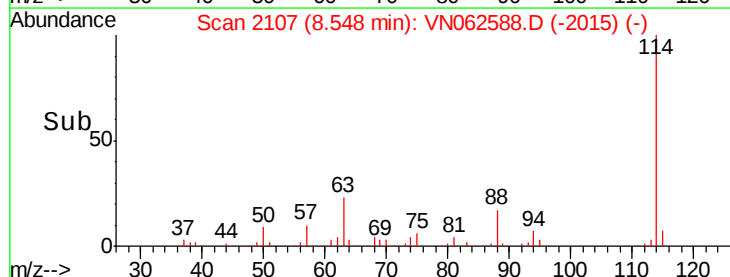
100000

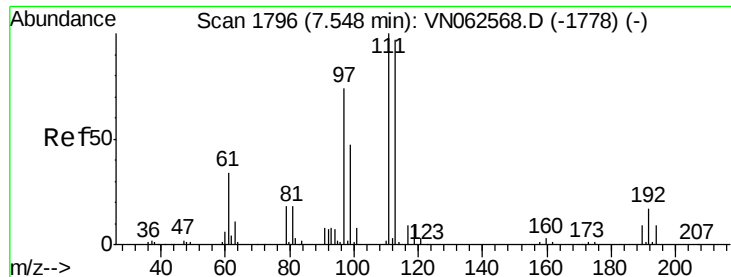
50000

0

Time-->

8.50 8.55 8.60

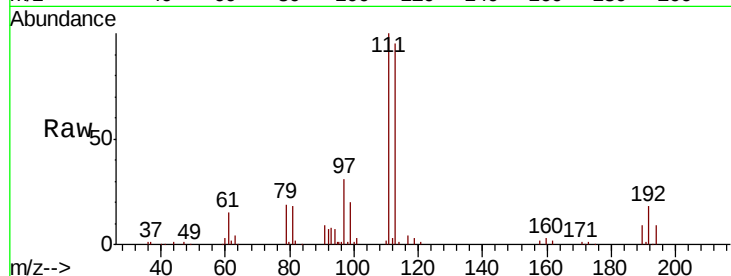




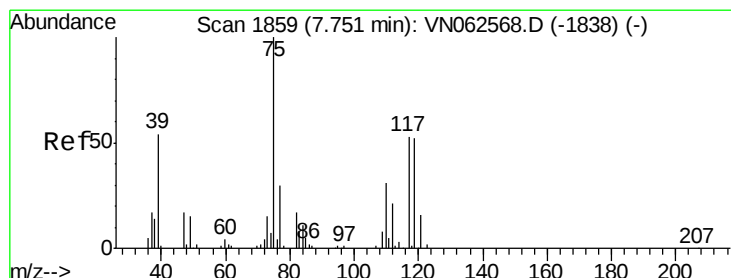
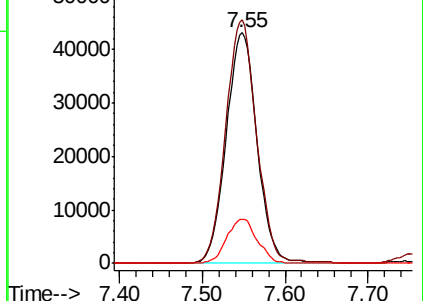
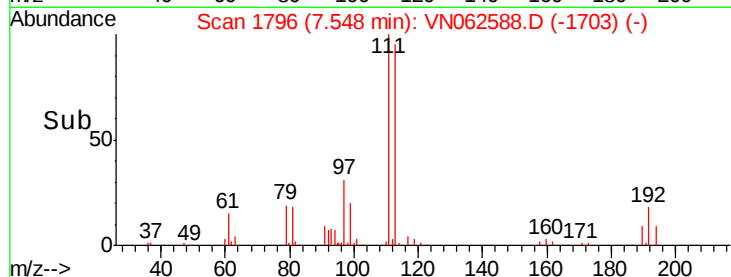
#35
Dibromofluoromethane
Concen: 50.328 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.7	124.1
192	18.8	14.8	22.2

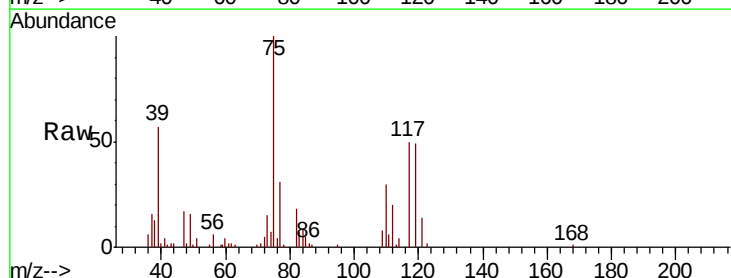


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

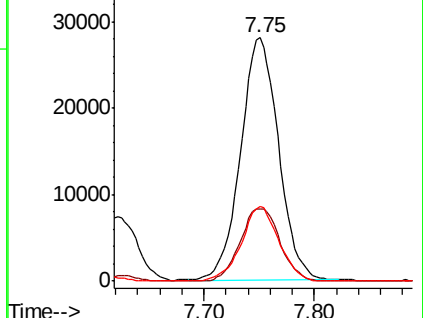
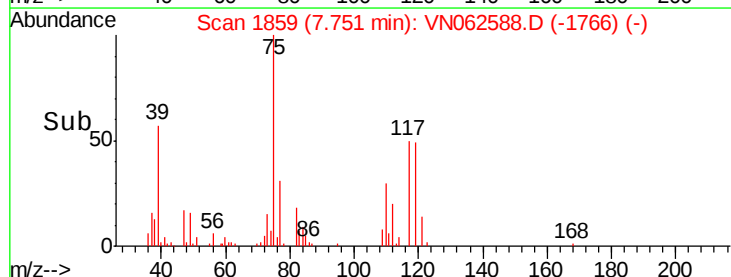


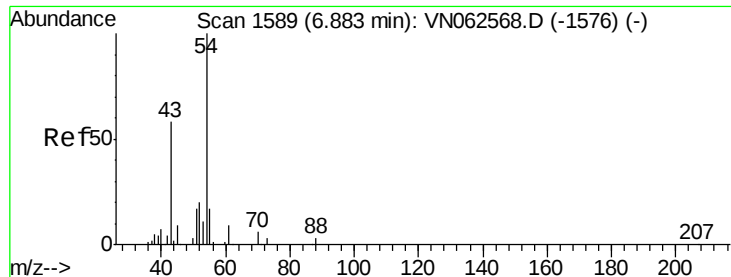
#36
1,1-Dichloropropene
Concen: 18.535 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	16.0	48.0
77	30.2	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

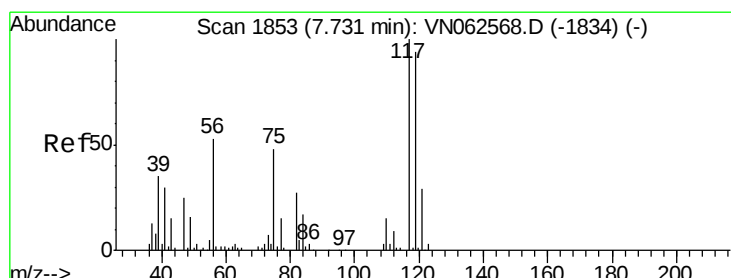
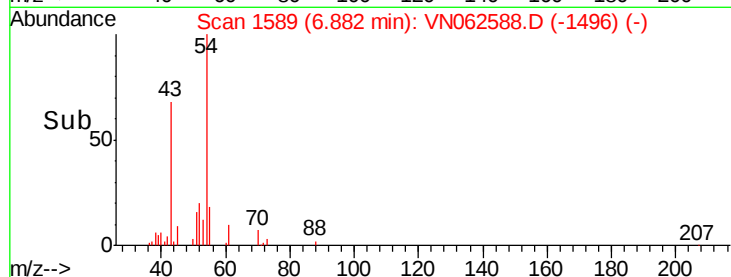
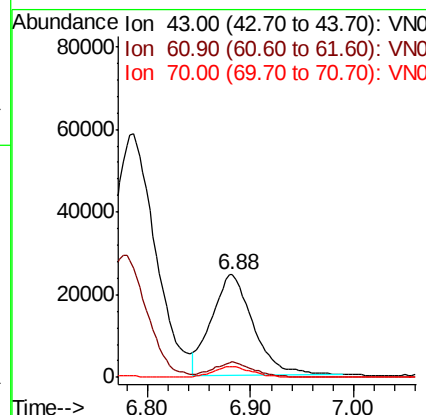
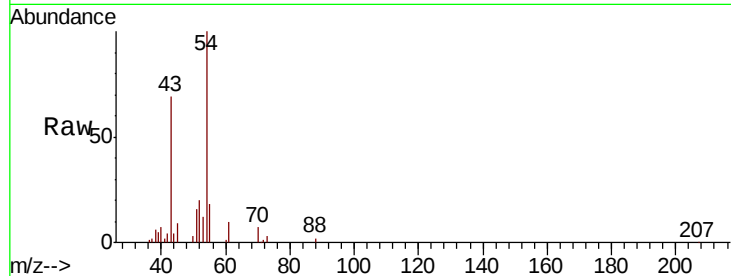




#37
Ethyl Acetate
Concen: 17.918 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

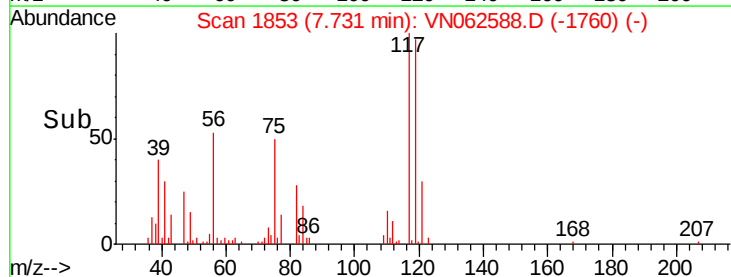
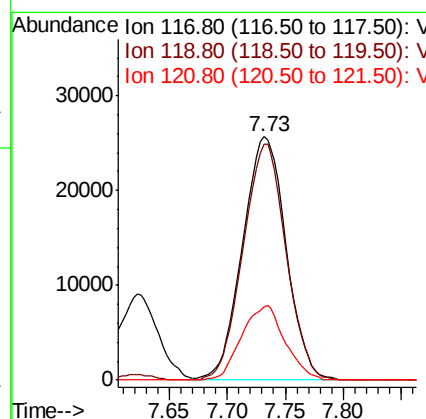
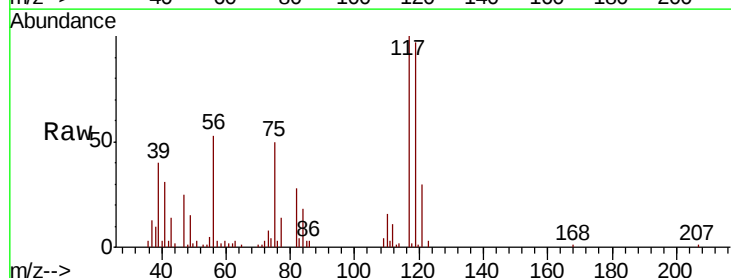
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

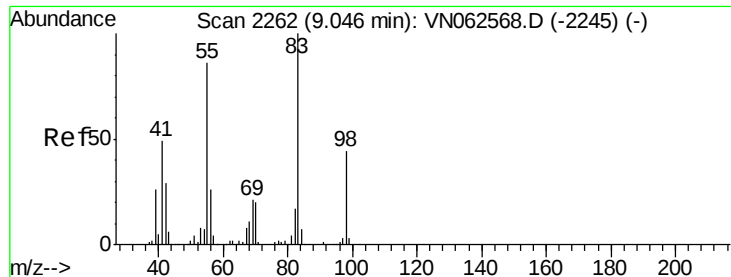
Tot Ion: 43 Resp: 69647
Ion Ratio Lower Upper
43 100
61 14.4 11.3 16.9
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.370 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 117 Resp: 67140
Ion Ratio Lower Upper
117 100
119 96.9 74.8 112.2
121 29.9 23.0 34.6

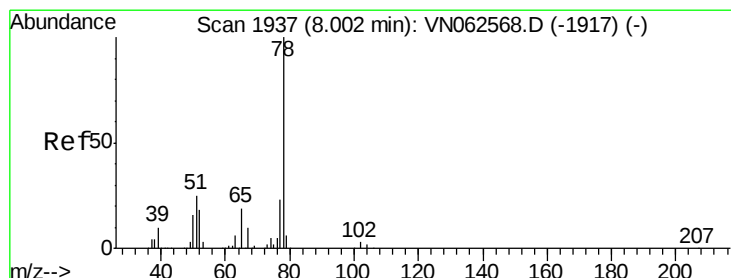
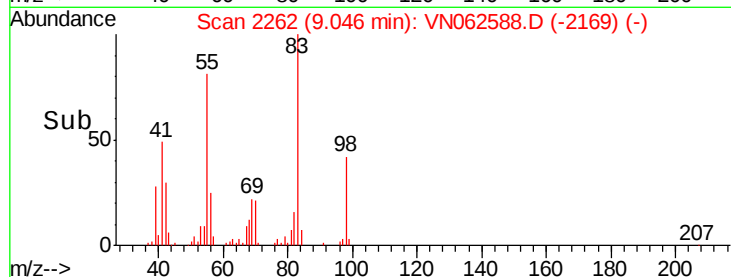
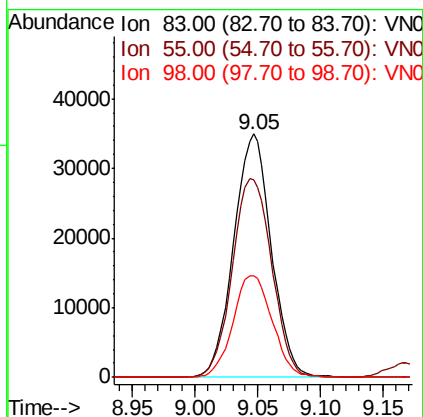
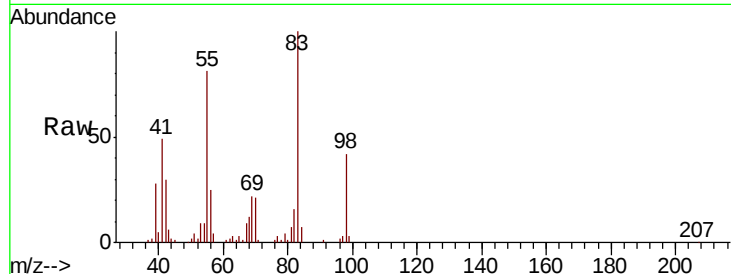




#39
Methvlcvclohexane
Concen: 18.768 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

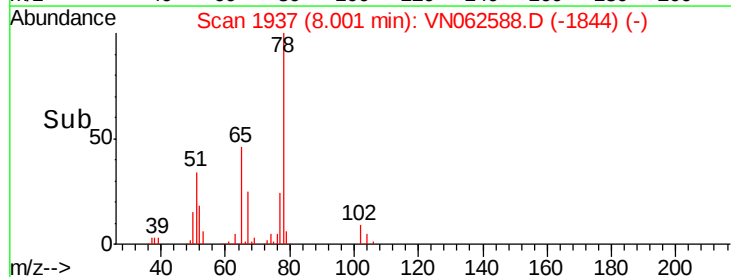
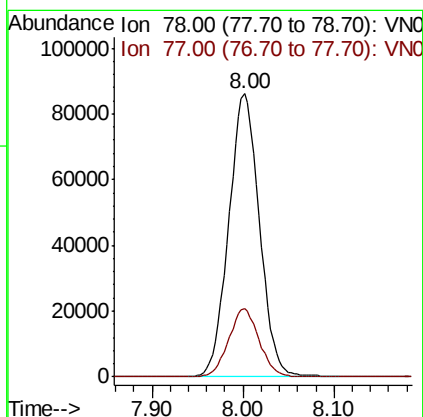
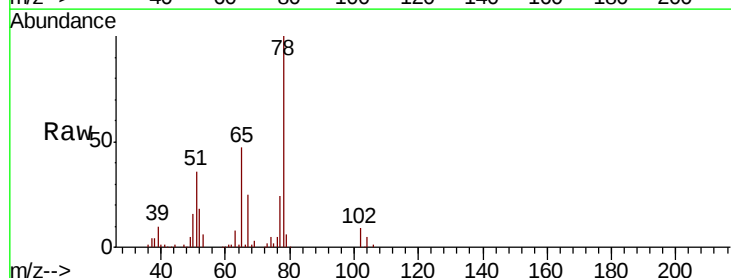
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

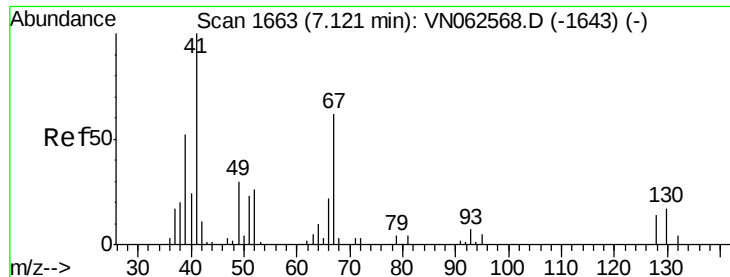
Tot Ion: 83 Resp: 72851
Ion Ratio Lower Upper
83 100
55 81.4 68.9 103.3
98 42.0 35.1 52.7



#40
Benzene
Concen: 18.493 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 78 Resp: 201885
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1

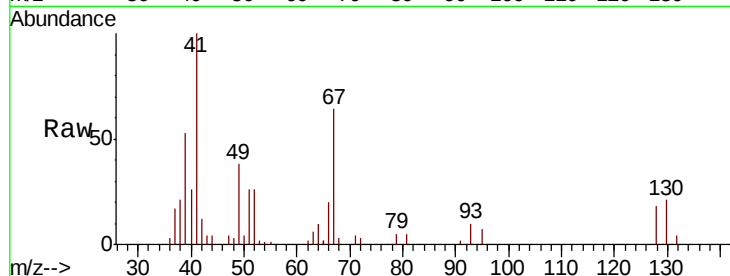




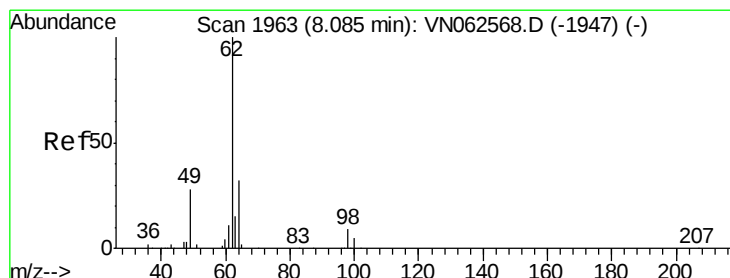
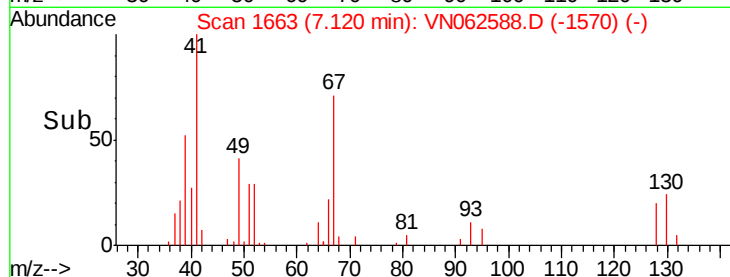
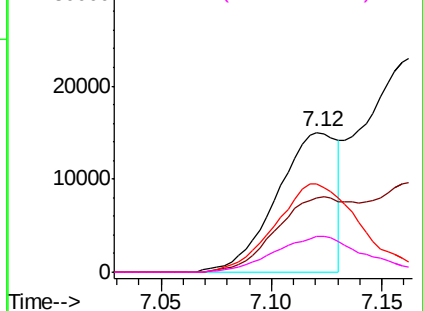
#41
Methacrylonitrile
Concen: 17.153 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Instrument :
MSVOA_N
ClientSampled :
VN0722WBS01

Tot Ion: 41 Resp: 28576
Ion Ratio Lower Upper
41 100
39 69.6 55.8 83.6
67 90.1 72.5 108.7
52 38.5 31.8 47.8

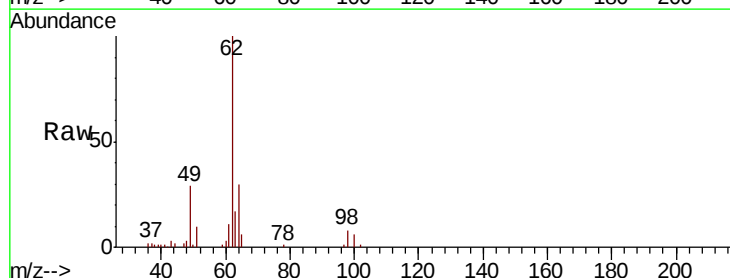


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

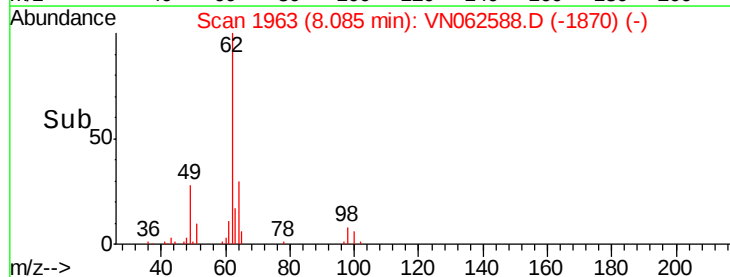
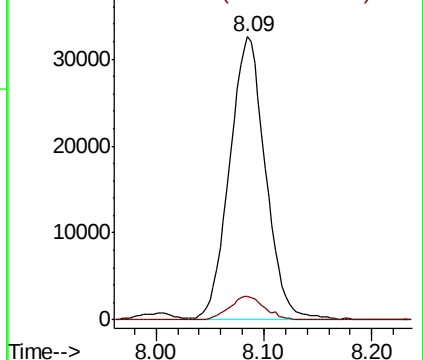


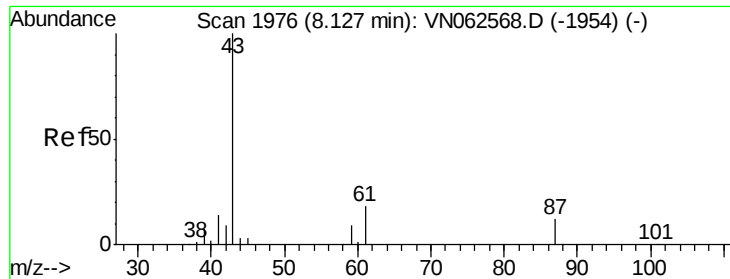
#42
1,2-Dichloroethane
Concen: 18.949 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 62 Resp: 75627
Ion Ratio Lower Upper
62 100
98 8.0 0.0 16.2



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





#43

Isopropyl Acetate

Concen: 18.212 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBS01

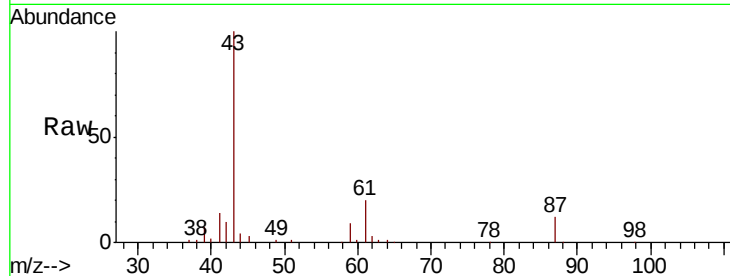
Tot Ion: 43 Resp: 114119

Ion Ratio Lower Upper

43 100

61 26.2 20.8 31.2

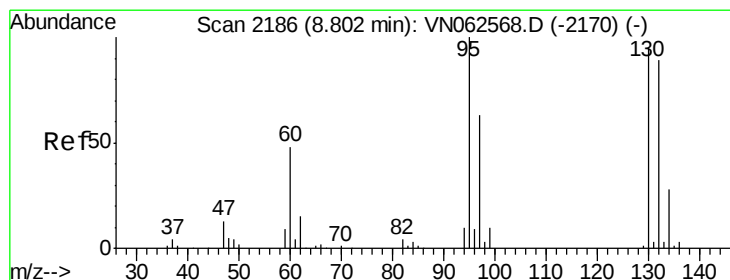
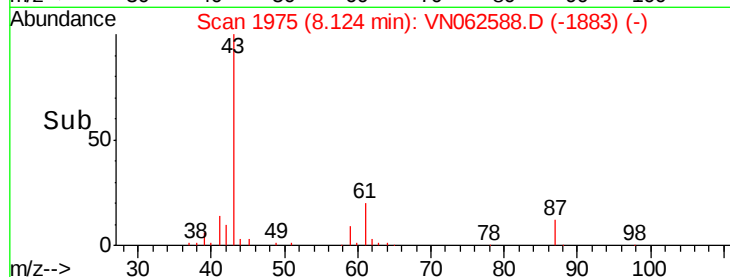
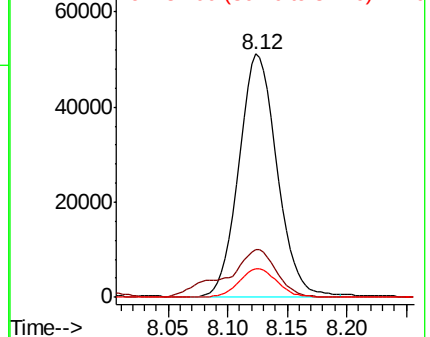
87 11.6 9.2 13.8



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) (-)



#44

Trichloroethene

Concen: 18.836 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062588.D

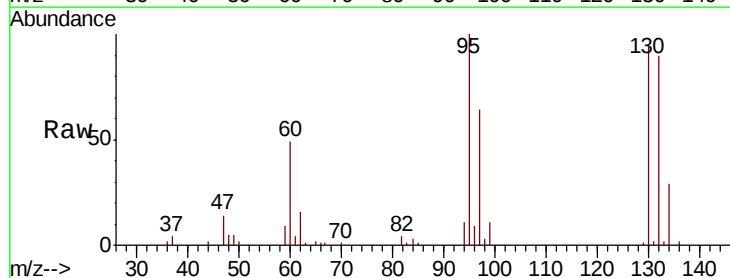
Acq: 22 Jul 2020 12:00

Tgt Ion:130 Resp: 46373

Ion Ratio Lower Upper

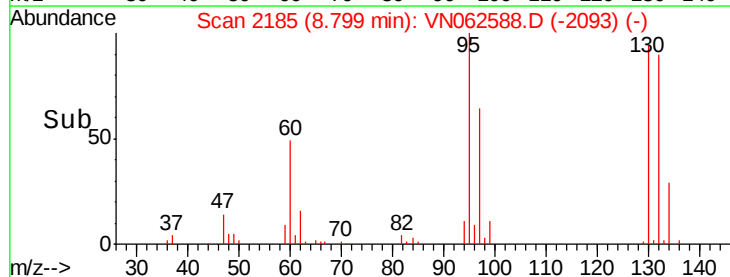
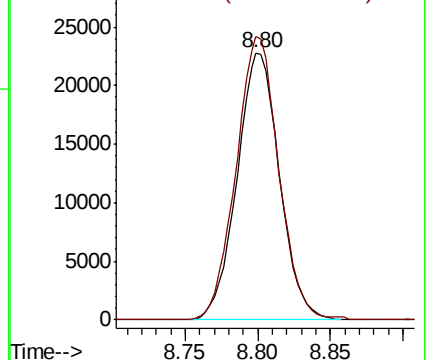
130 100

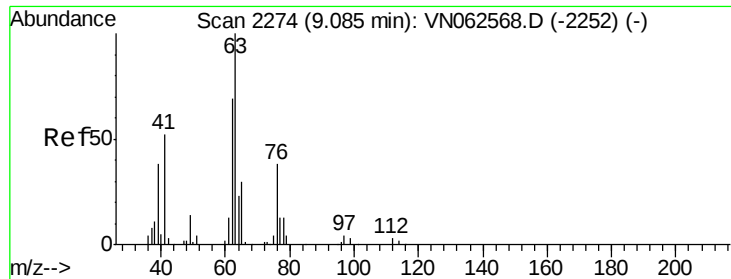
95 106.0 0.0 210.4



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

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

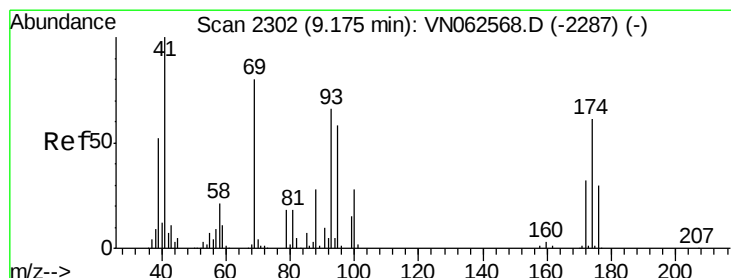
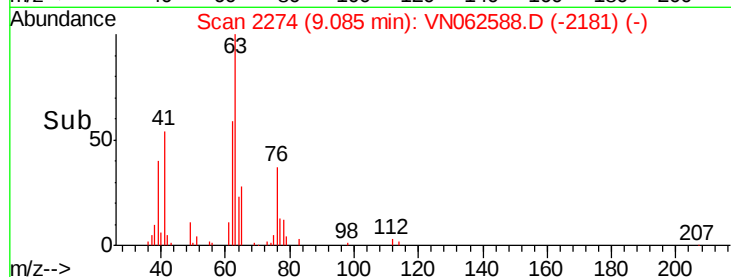
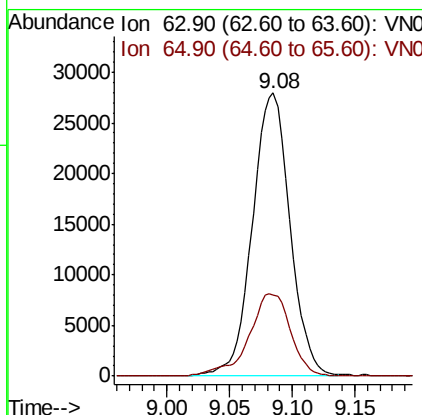
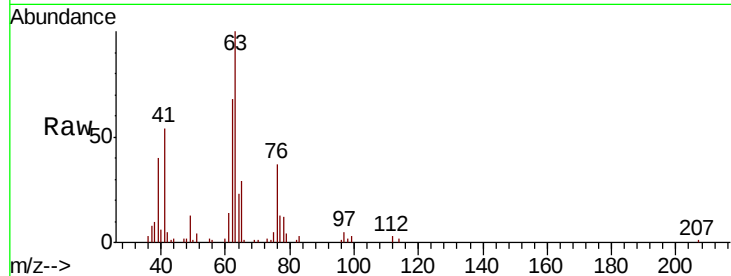




#45
 1,2-Dichloropropane
 Concen: 18.967 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

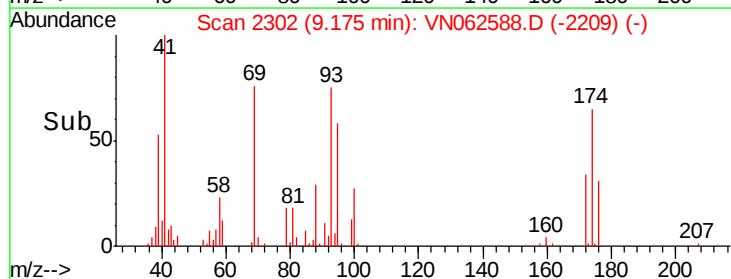
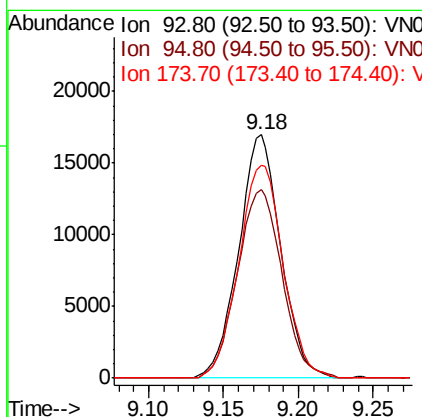
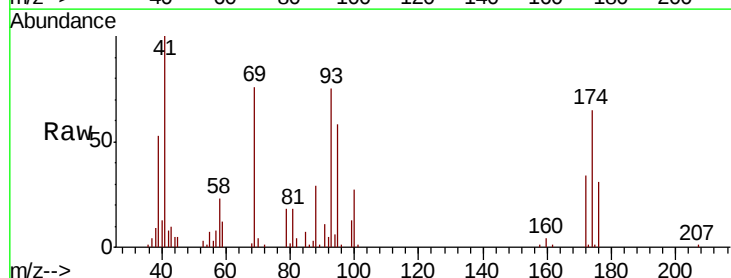
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

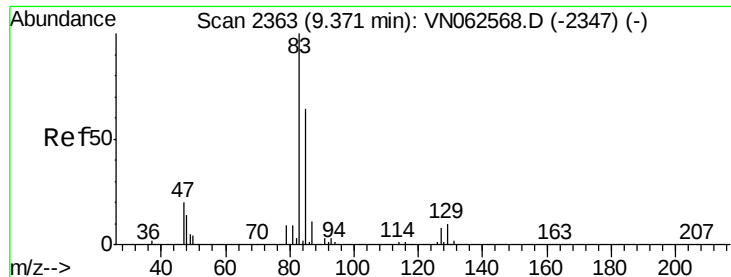
Tot Ion: 63 Resp: 58136
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.4 36.6



#46
 Dibromomethane
 Concen: 18.712 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion: 93 Resp: 33150
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.6 101.4
 174 92.7 72.5 108.7

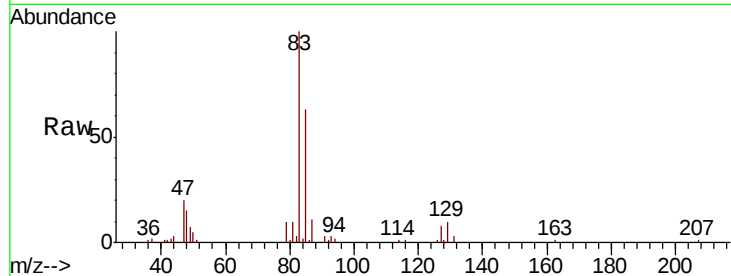




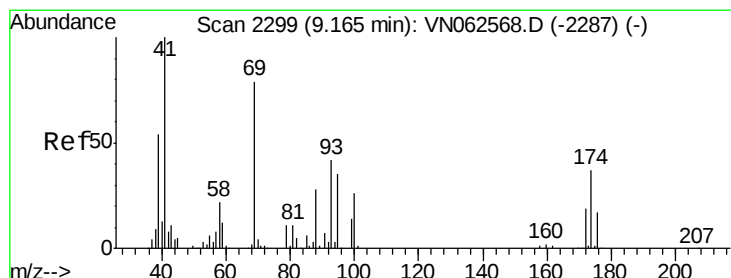
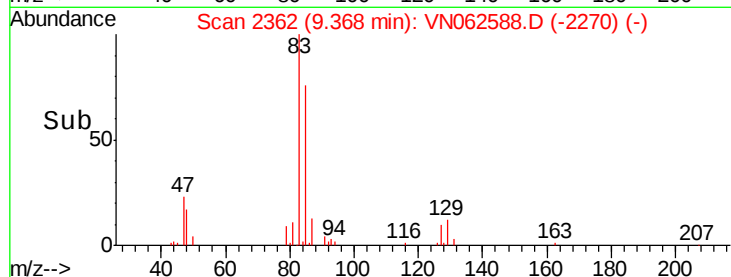
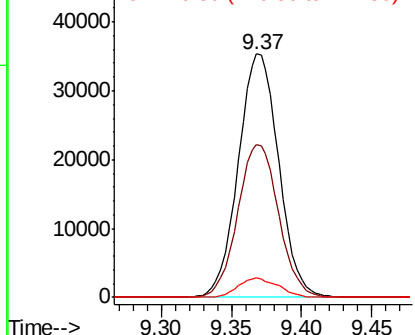
#47
Bromodichloromethane
Concen: 18.455 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

Tot Ion: 83 Resp: 70832
Ion Ratio Lower Upper
83 100
85 62.8 51.6 77.4
127 7.9 6.2 9.2

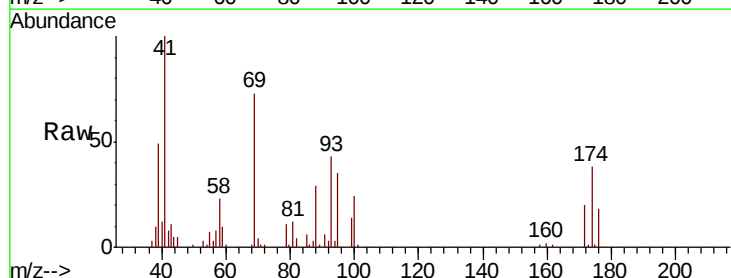


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

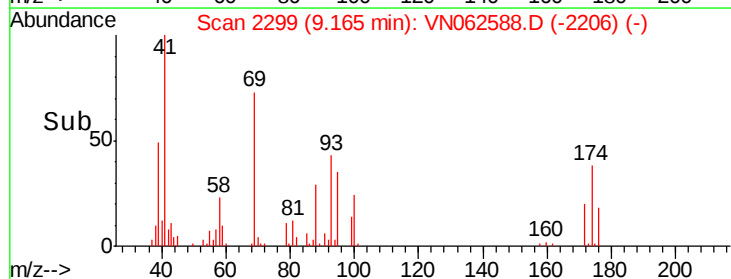
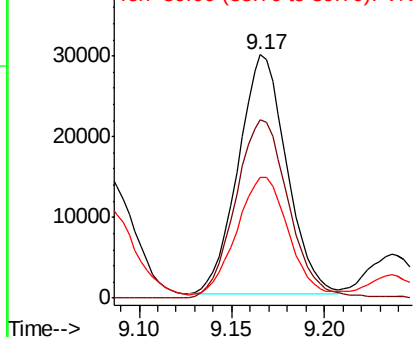


#48
Methyl methacrylate
Concen: 18.129 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 41 Resp: 54002
Ion Ratio Lower Upper
41 100
69 81.4 64.4 96.6
39 53.8 43.5 65.3



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

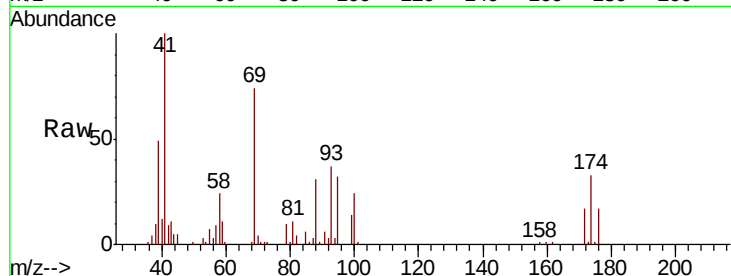




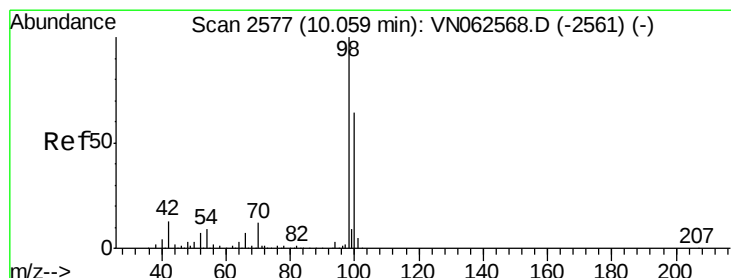
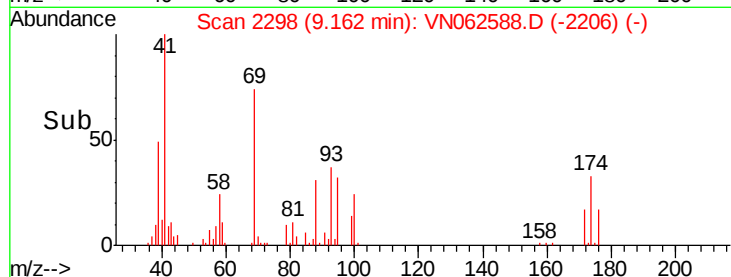
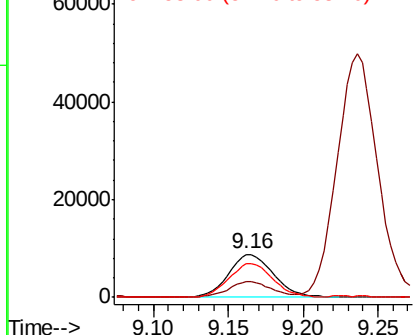
#49
1,4-Dioxane
Concen: 399.871 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

Tot Ion: 88 Resp: 18294
Ion Ratio Lower Upper
88 100
43 35.4 32.0 48.0
58 77.5 62.8 94.2

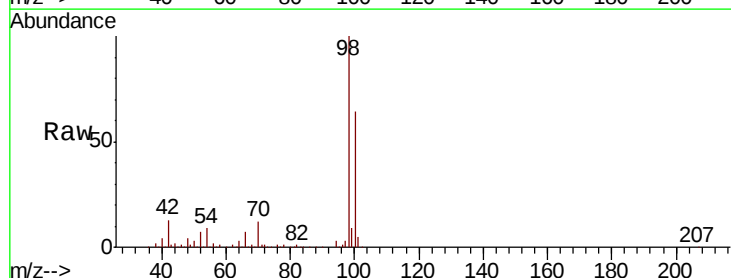


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

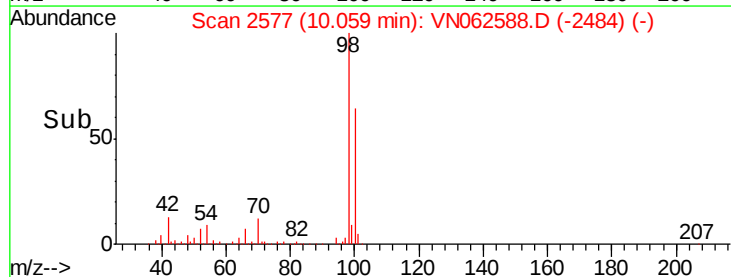
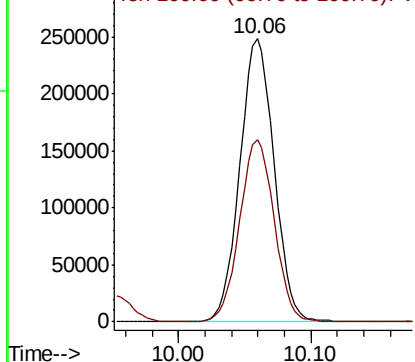


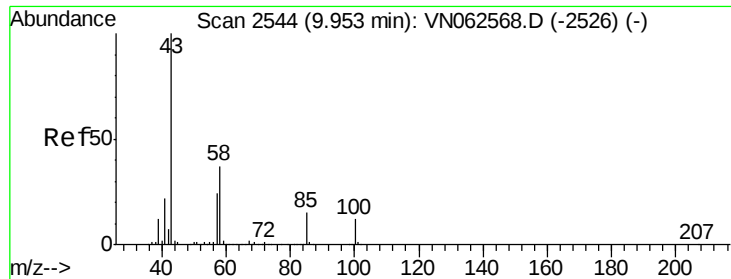
#50
Toluene-d8
Concen: 50.476 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 98 Resp: 447535
Ion Ratio Lower Upper
98 100
100 64.4 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: 92.211 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

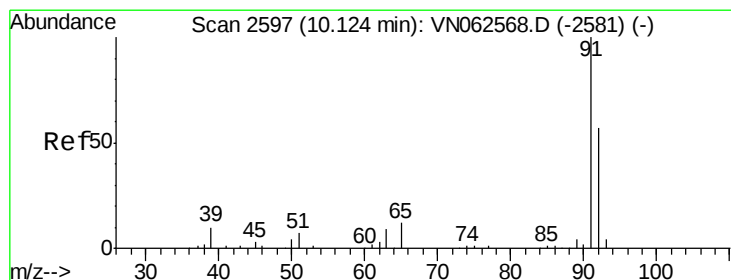
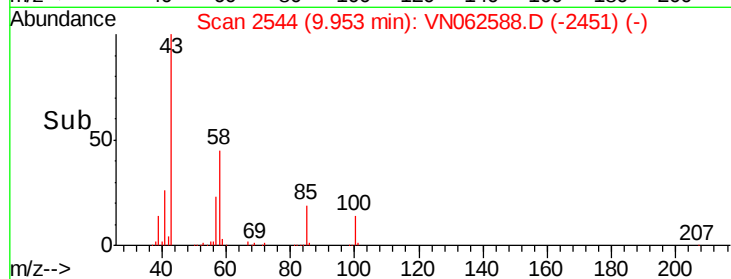
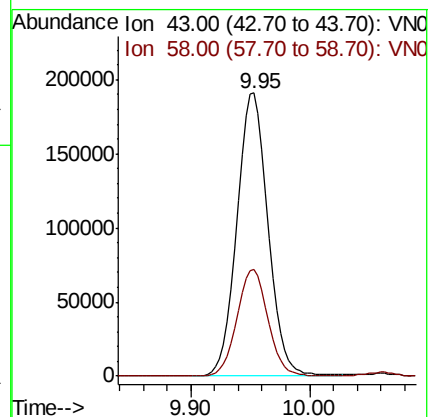
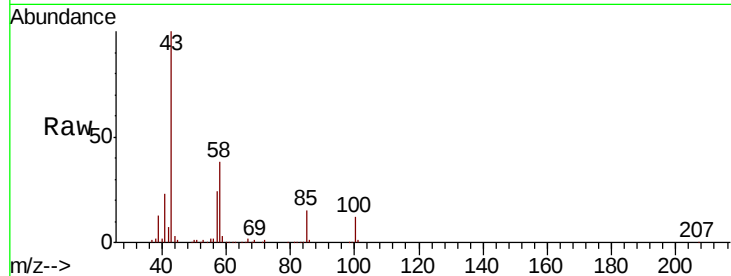
VN0722WBS01

Tot Ion: 43 Resp: 345726

Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.6



#52

Toluene

Concen: 19.196 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062588.D

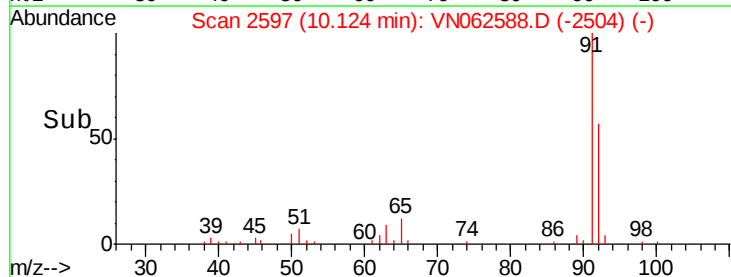
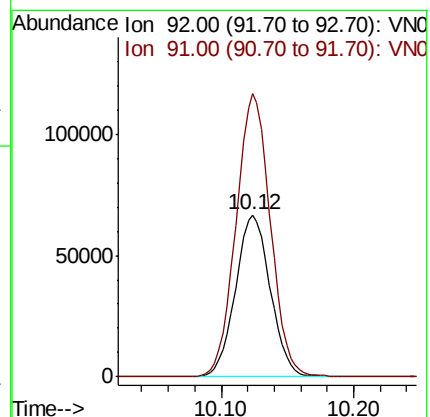
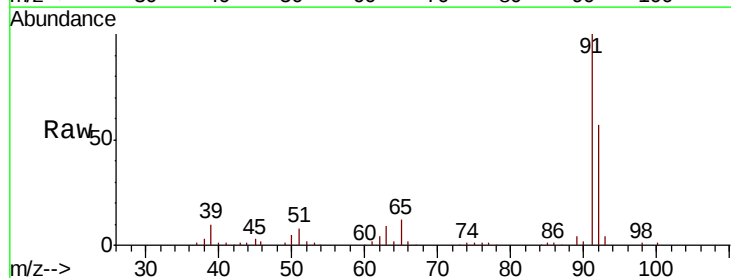
Acq: 22 Jul 2020 12:00

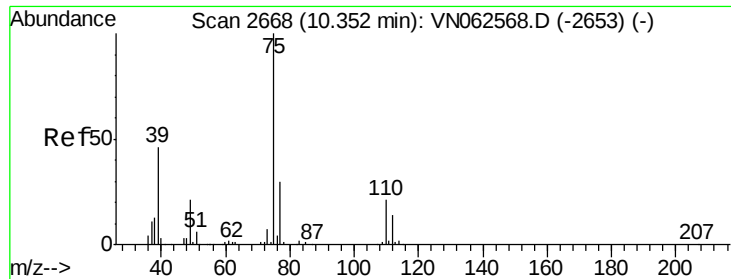
Tgt Ion: 92 Resp: 121688

Ion Ratio Lower Upper

92 100

91 172.5 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 18.517 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

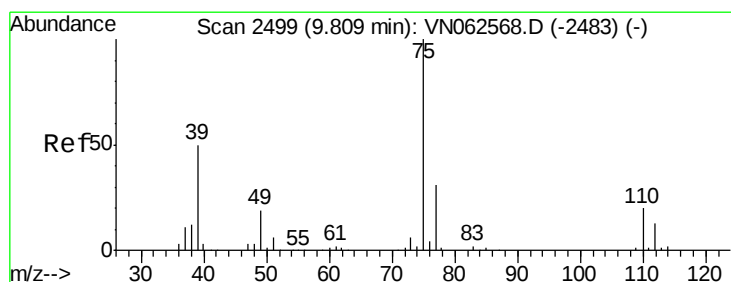
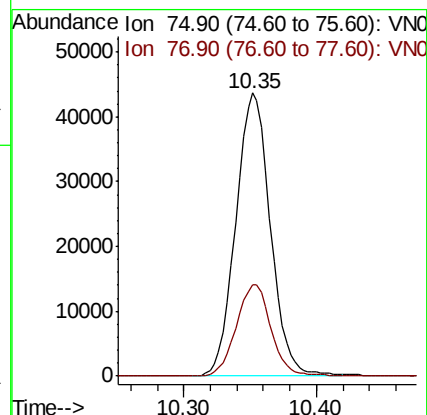
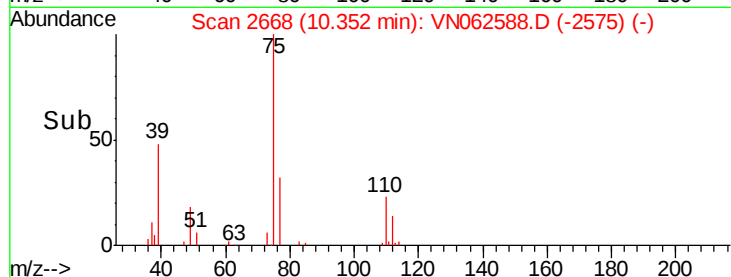
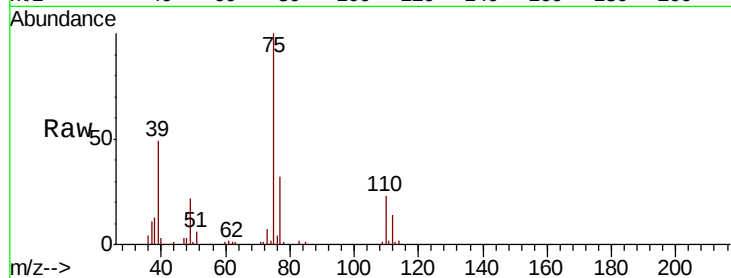
VN0722WBS01

Tot Ion: 75 Resp: 79115

Ion Ratio Lower Upper

75 100

77 32.1 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 19.061 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

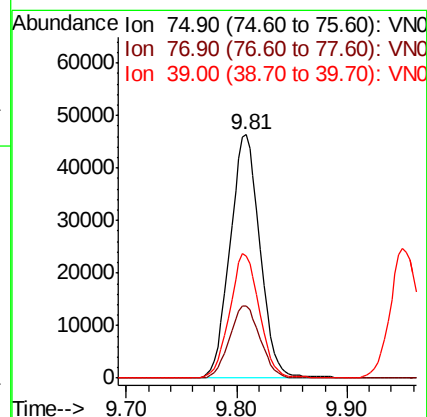
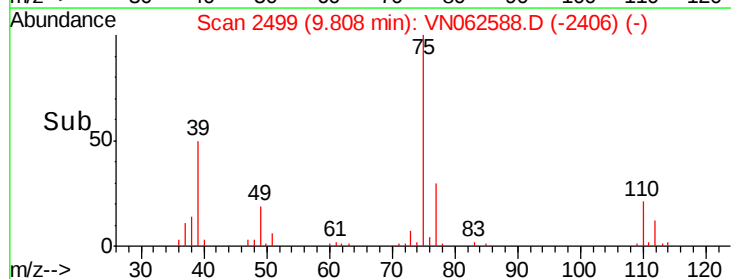
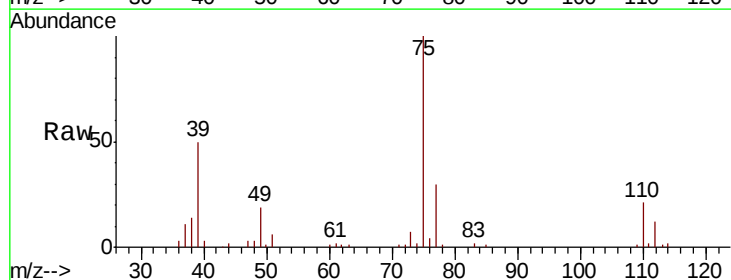
Tgt Ion: 75 Resp: 87385

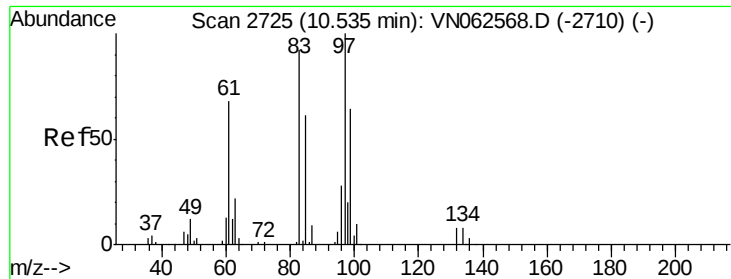
Ion Ratio Lower Upper

75 100

77 29.9 25.0 37.6

39 50.3 39.8 59.8

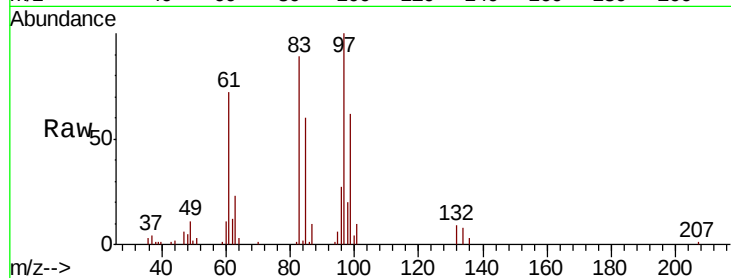




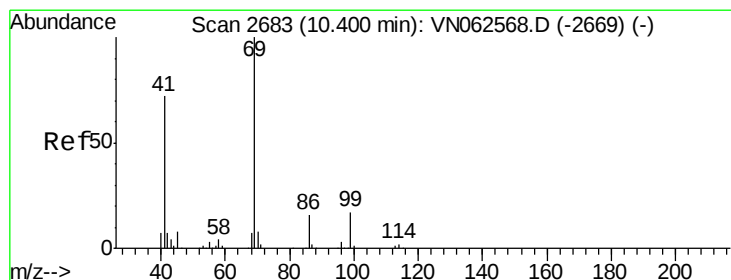
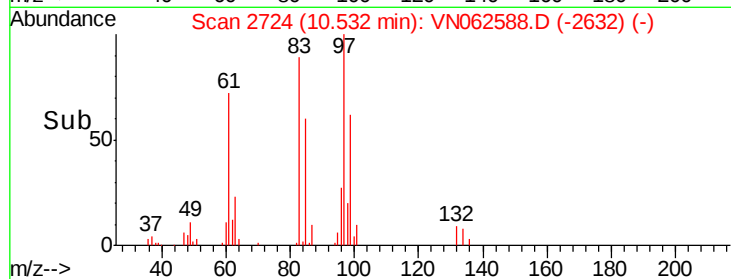
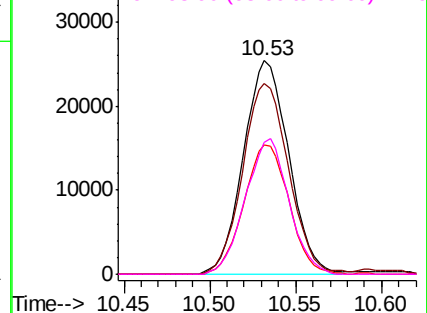
#55
 1,1,2-Trichloroethane
 Concen: 18.921 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

Tot Ion: 97 Resp: 46524
 Ion Ratio Lower Upper
 97 100
 83 89.0 73.7 110.5
 85 60.5 48.5 72.7
 99 61.9 50.8 76.2

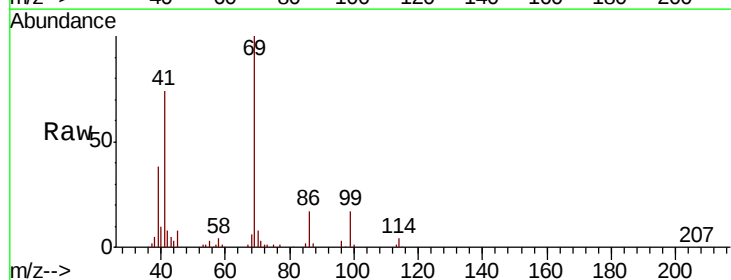


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

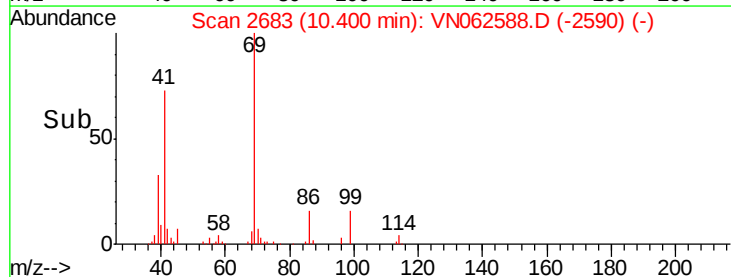
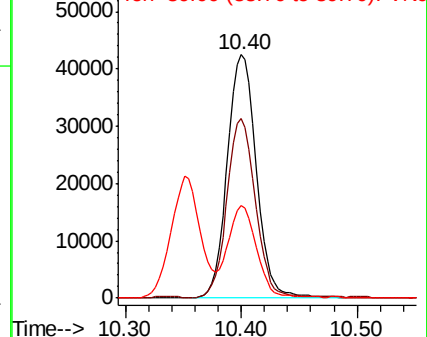


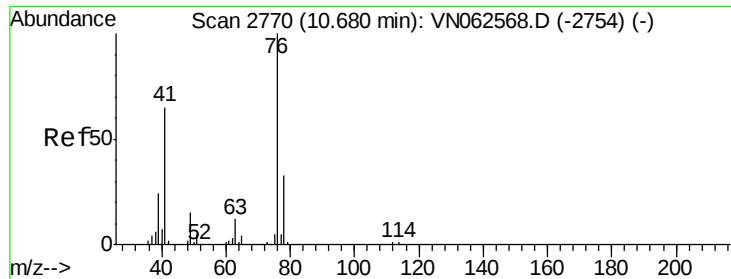
#56
 Ethyl methacrylate
 Concen: 17.820 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion: 69 Resp: 73468
 Ion Ratio Lower Upper
 69 100
 41 73.6 57.2 85.8
 39 37.3 28.6 43.0



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

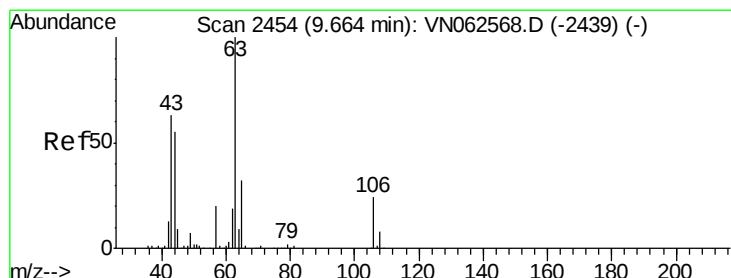
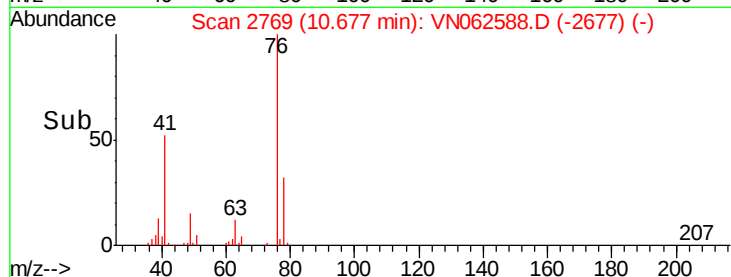
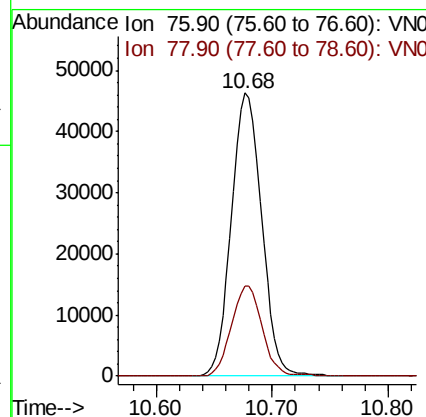
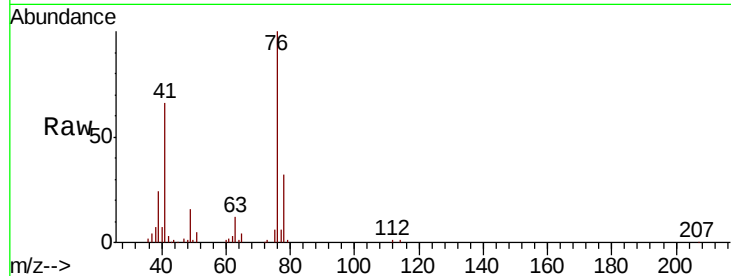




#57
 1,3-Dichloropropane
 Concen: 18.598 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

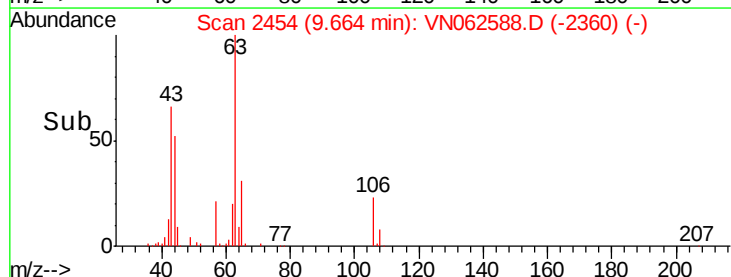
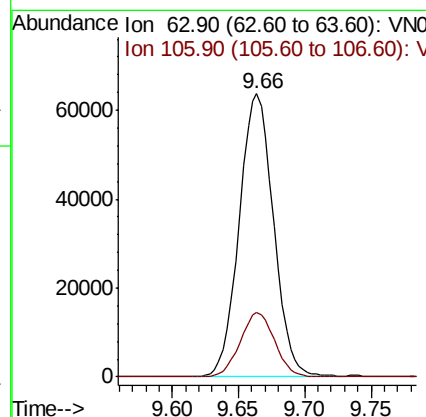
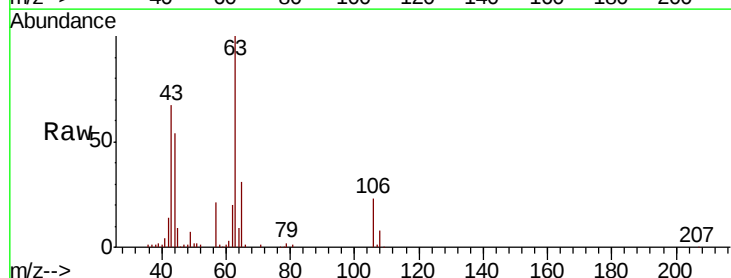
Instrument :
 MSVOA_N
 ClientSampled :
 VN0722WBS01

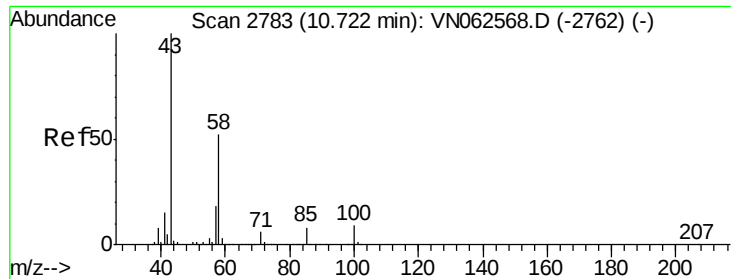
Tot Ion: 76 Resp: 83780
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.330 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion: 63 Resp: 114977
 Ion Ratio Lower Upper
 63 100
 106 22.8 18.9 28.3

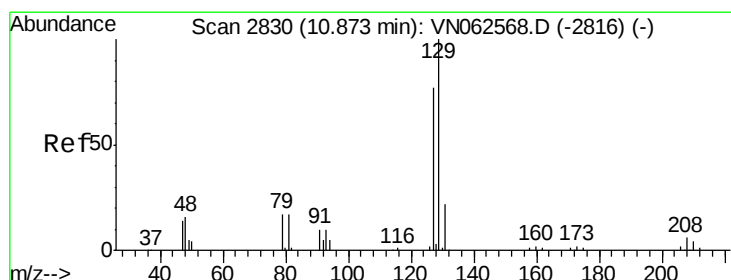
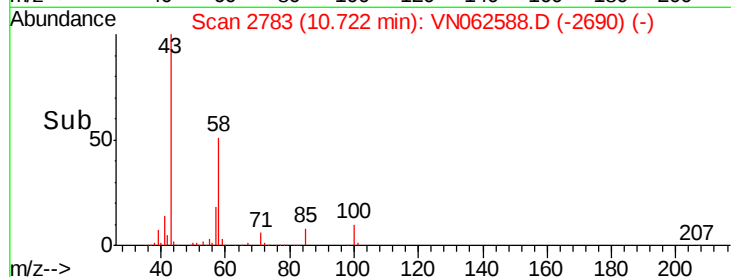
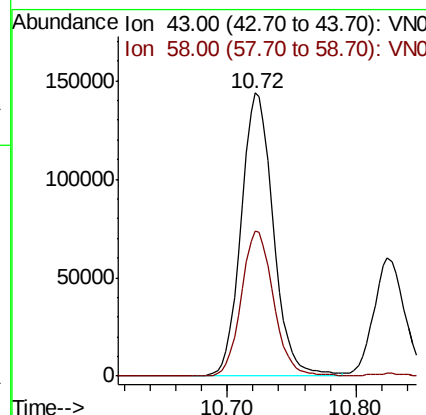
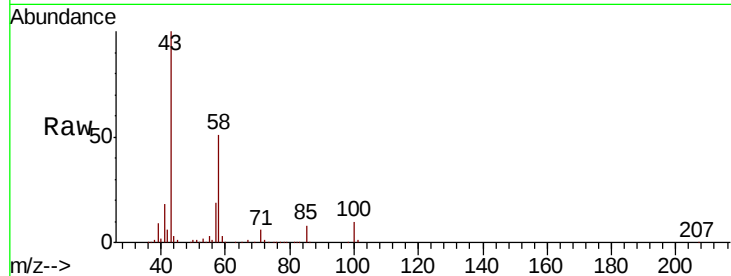




#59
2-Hexanone
Concen: 87.745 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

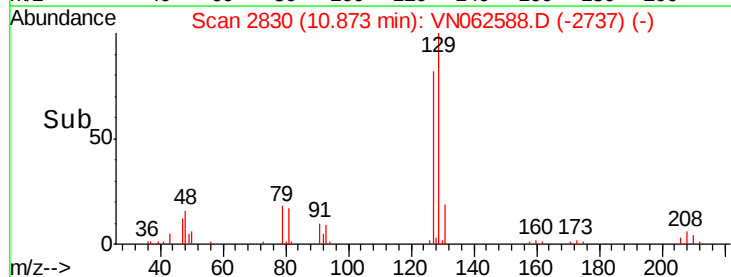
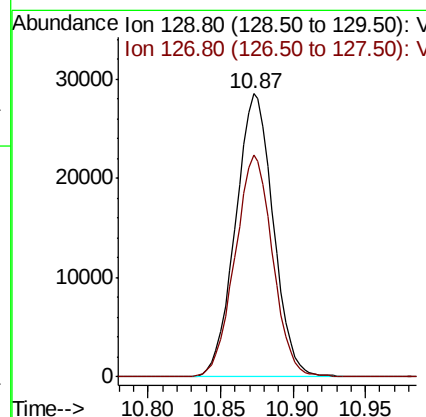
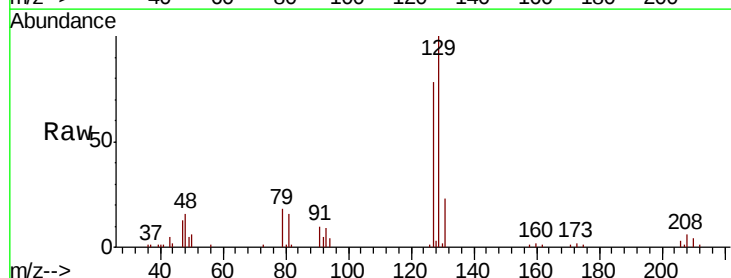
Instrument :
MSVOA_N
ClientSampled :
VN0722WBS01

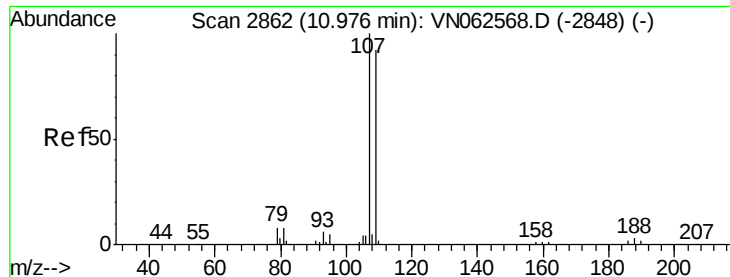
Tot Ion: 43 Resp: 248790
Ion Ratio Lower Upper
43 100
58 51.7 26.0 78.0



#60
Dibromochloromethane
Concen: 18.801 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 129 Resp: 51574
Ion Ratio Lower Upper
129 100
127 78.1 38.0 113.9

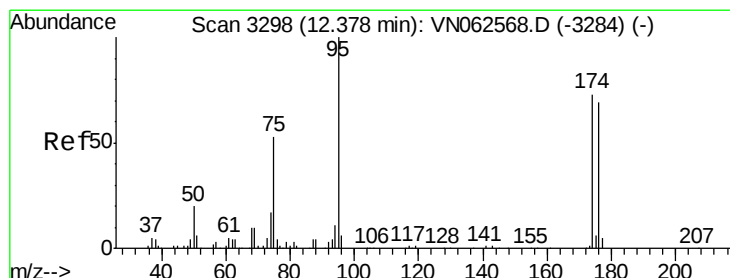
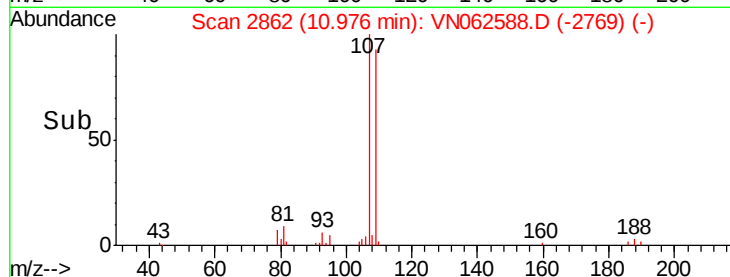
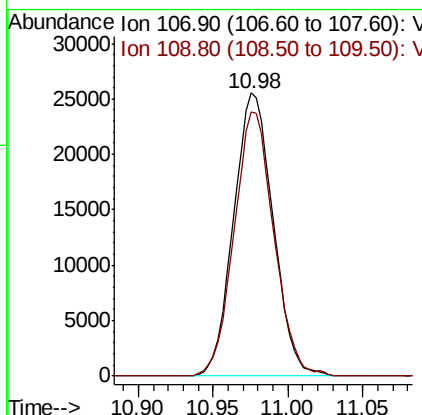
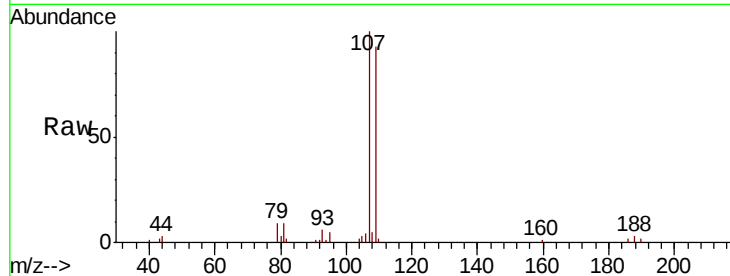




#61
 1,2-Dibromoethane
 Concen: 18.381 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

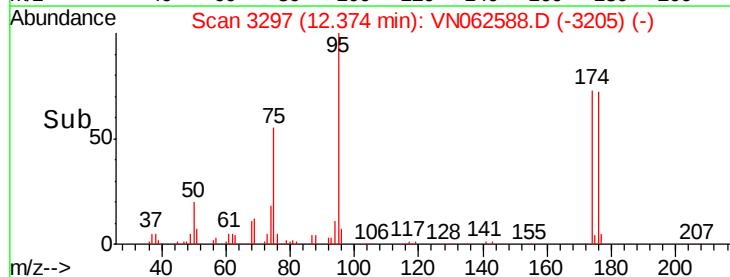
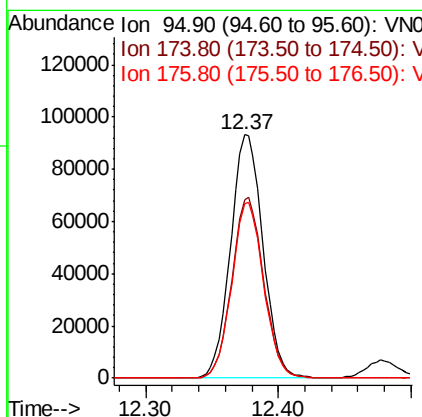
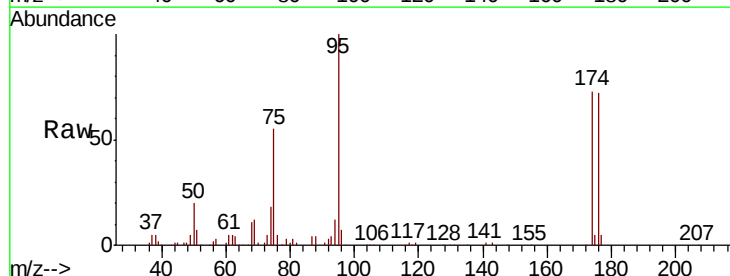
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

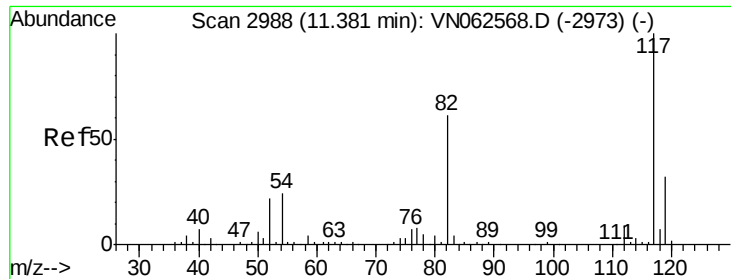
Tot Ion:107 Resp: 47062
 Ion Ratio Lower Upper
 107 100
 109 93.7 73.8 110.6



#62
 4-Bromofluorobenzene
 Concen: 48.844 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion: 95 Resp: 158346
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 144.6
 176 70.8 0.0 139.4

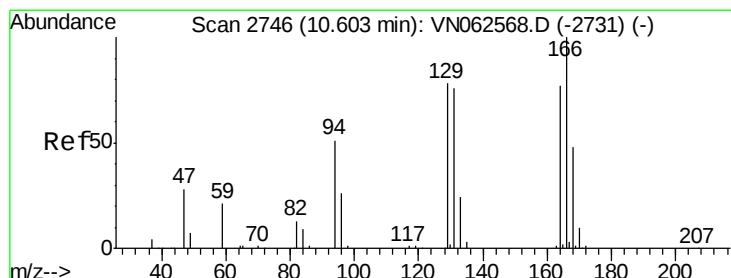
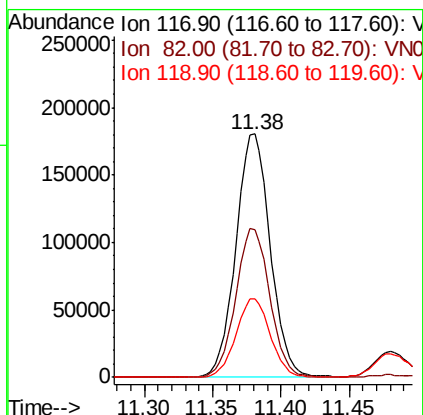
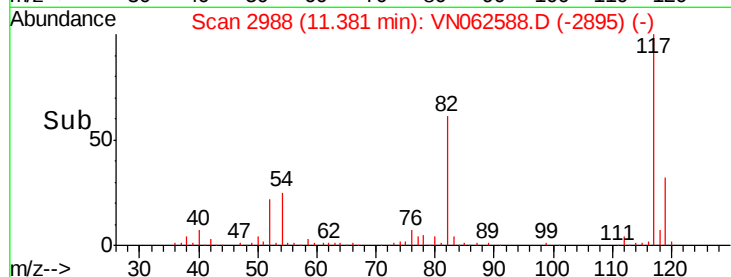
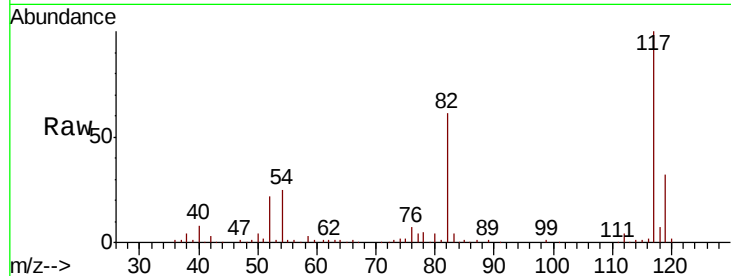




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

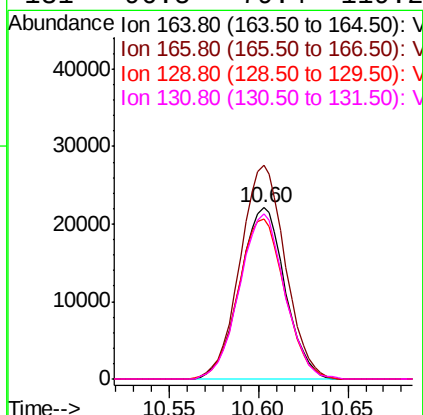
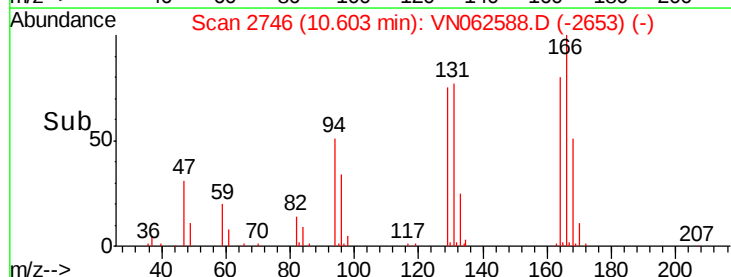
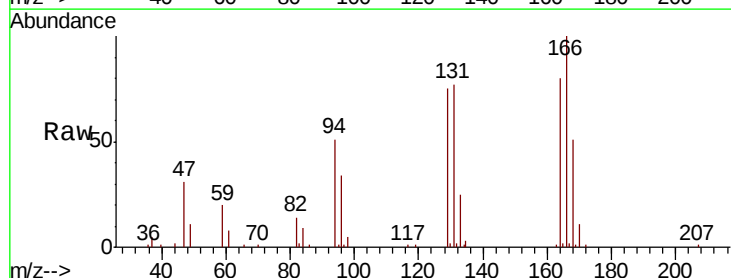
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

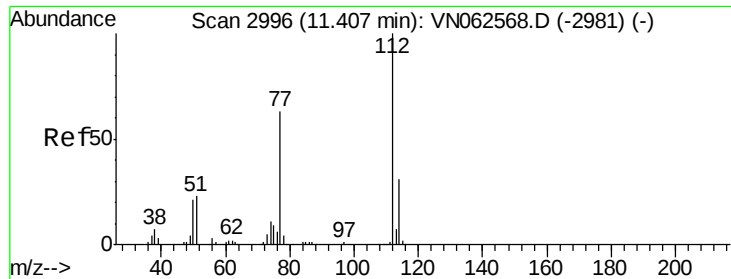
Tot Ion:117 Resp: 315886
Ion Ratio Lower Upper
117 100
82 60.9 49.0 73.6
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 19.115 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion:164 Resp: 39232
Ion Ratio Lower Upper
164 100
166 124.5 104.4 156.6
129 93.1 81.0 121.4
131 96.5 79.4 119.2

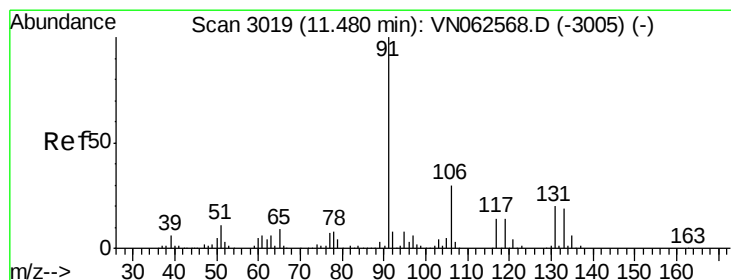
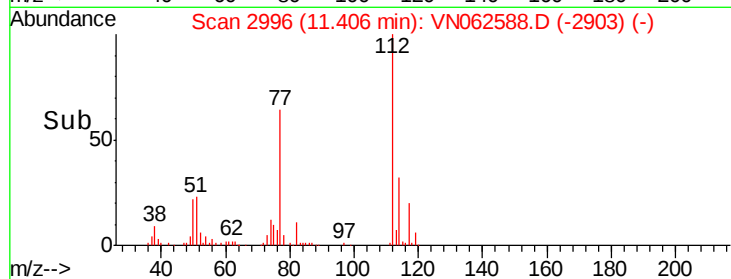
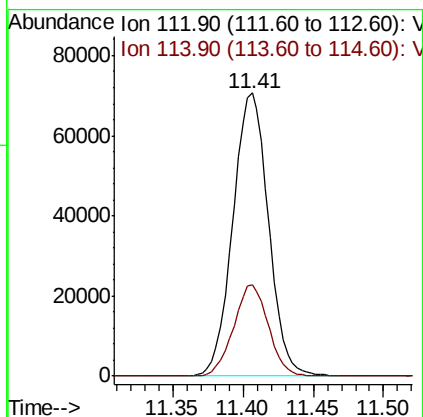
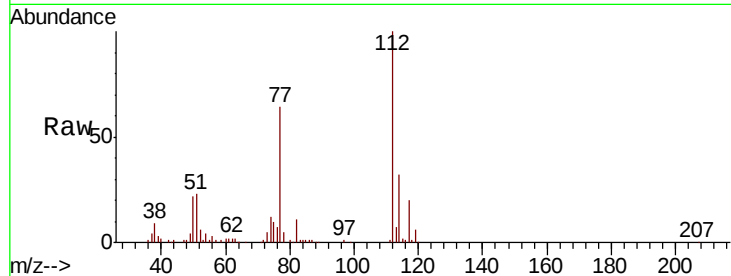




#65
Chlorobenzene
Concen: 18.887 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

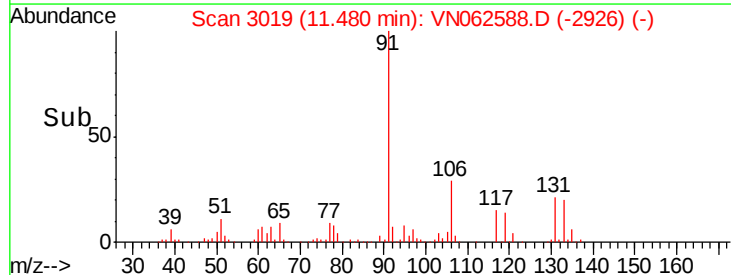
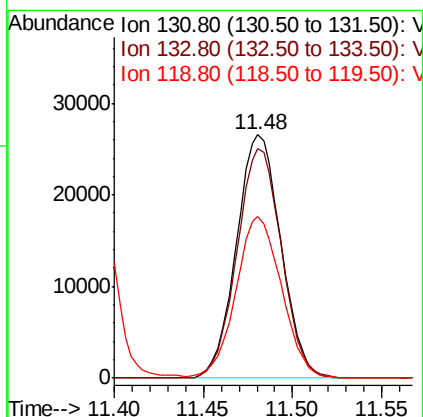
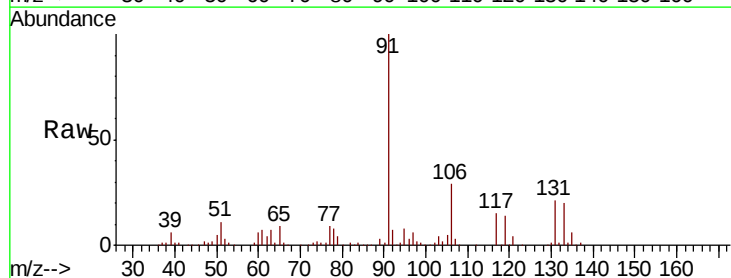
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

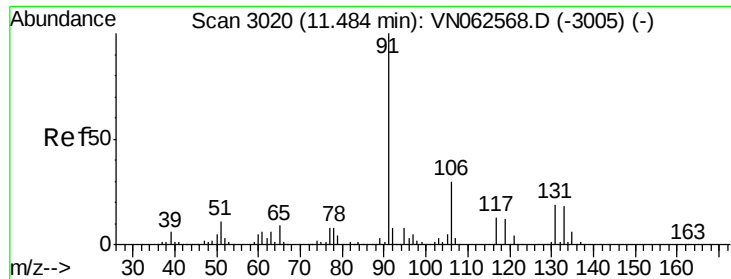
Tot Ion:112 Resp: 125074
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 18.558 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion:131 Resp: 46234
Ion Ratio Lower Upper
131 100
133 94.6 47.3 142.0
119 68.3 33.7 101.0

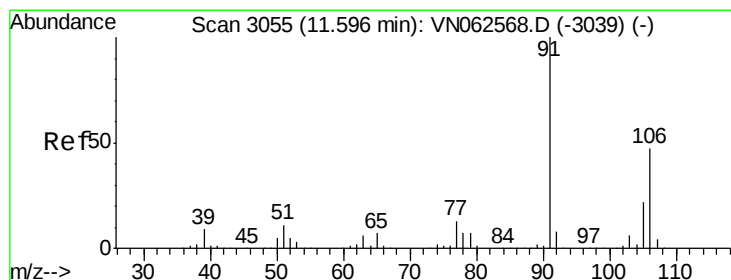
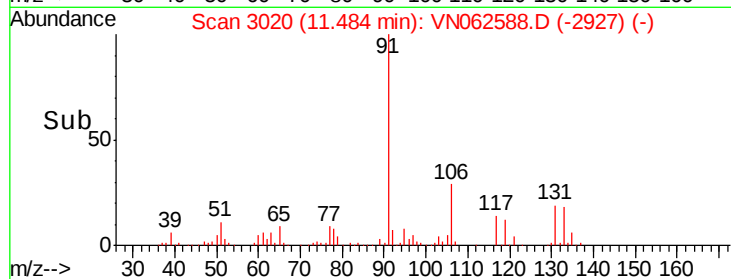
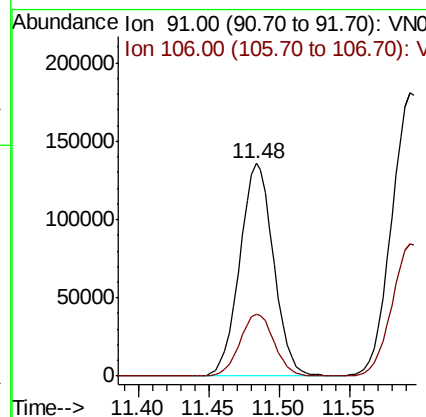
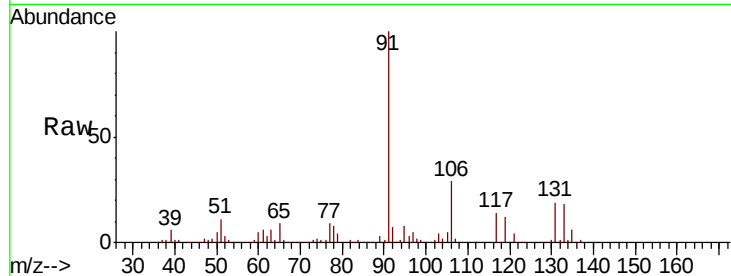




#67
Ethyl Benzene
Concen: 18.783 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

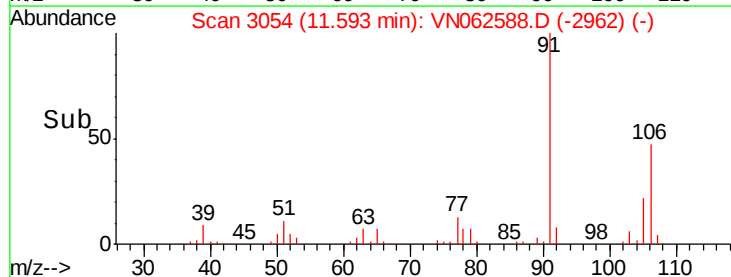
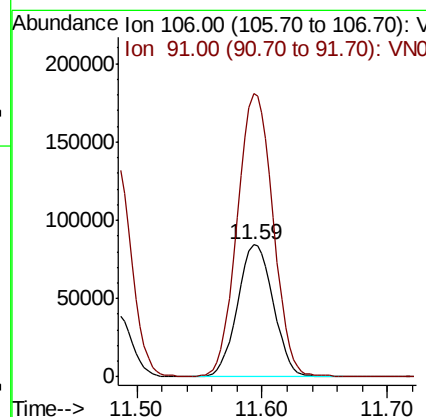
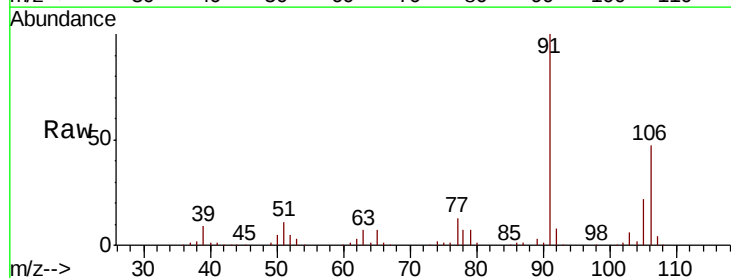
Instrument :
MSVOA_N
ClientSampled :
VN0722WBS01

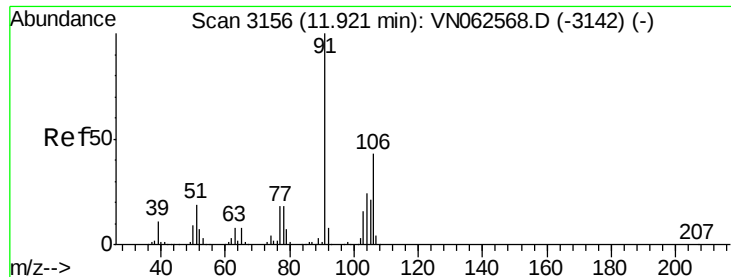
Tot Ion: 91 Resp: 228067
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8



#68
m/p-Xylenes
Concen: 38.432 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 106 Resp: 167728
Ion Ratio Lower Upper
106 100
91 213.1 171.4 257.2

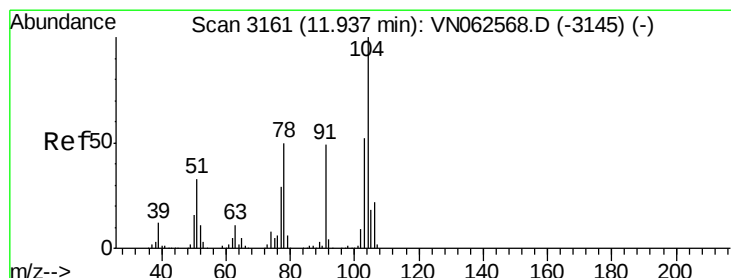
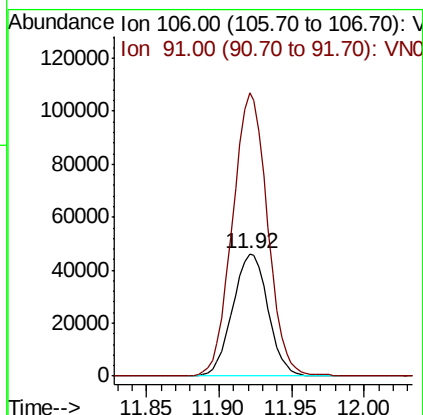
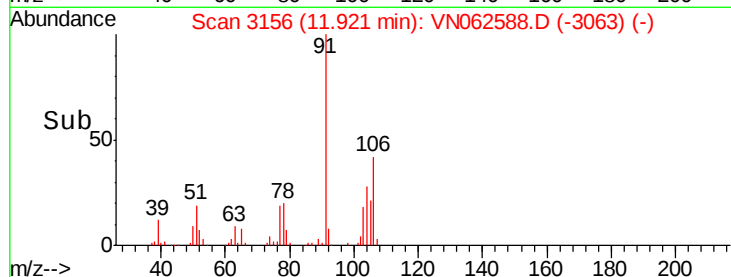
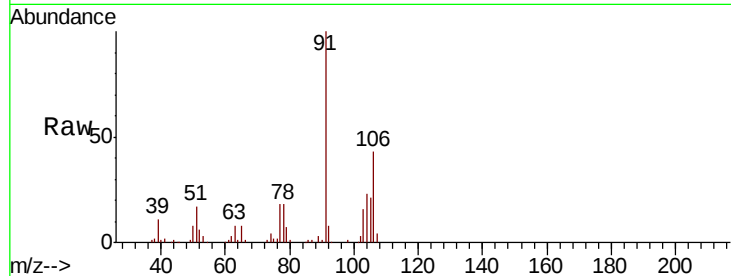




#69
o-Xylene
Concen: 18.880 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

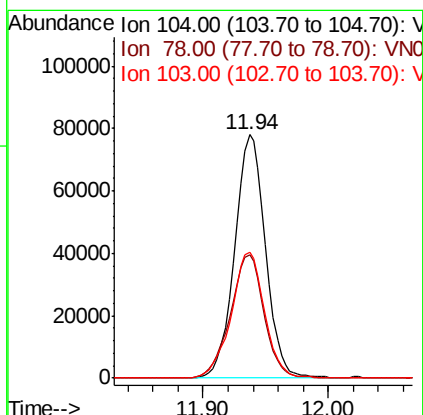
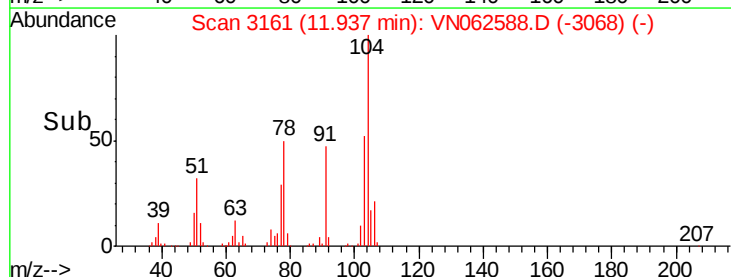
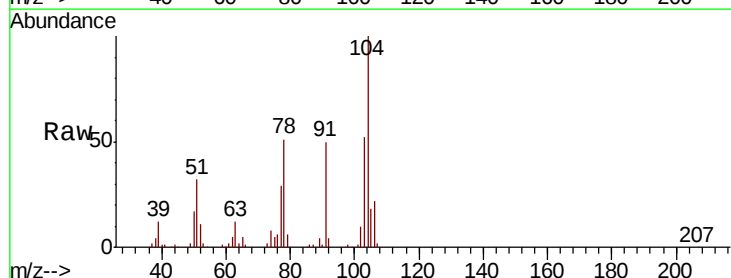
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

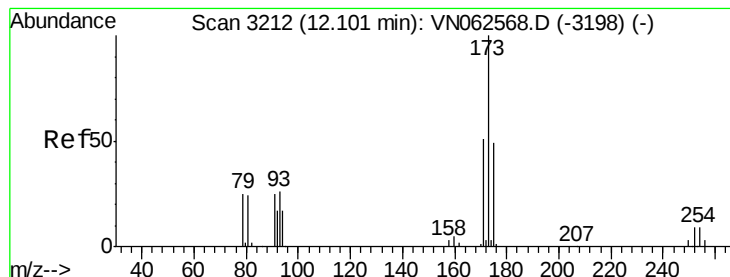
Tot Ion:106 Resp: 78243
Ion Ratio Lower Upper
106 100
91 229.2 113.8 341.2



#70
Styrene
Concen: 18.943 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion:104 Resp: 132617
Ion Ratio Lower Upper
104 100
78 55.6 43.8 65.6
103 56.0 44.0 66.0





#71

Bromoform

Concen: 18.359 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBS01

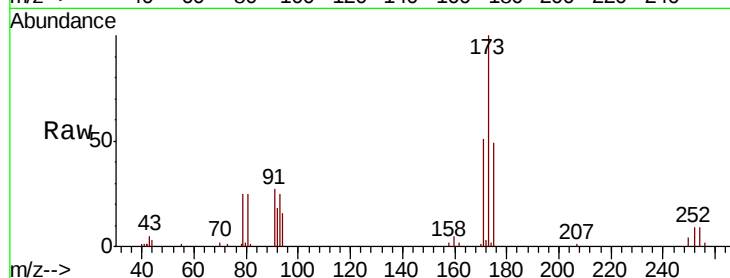
Tot Ion:173 Resp: 34342

Ion Ratio Lower Upper

173 100

175 49.6 24.1 72.2

254 0.0 0.0 0.0

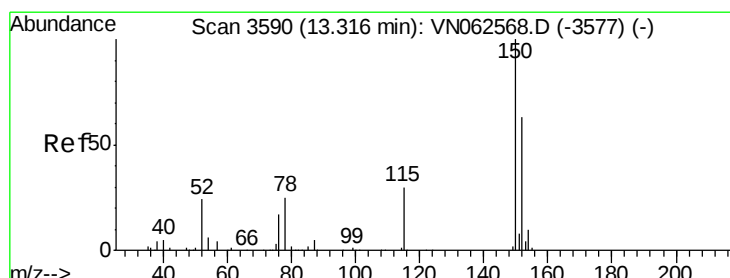
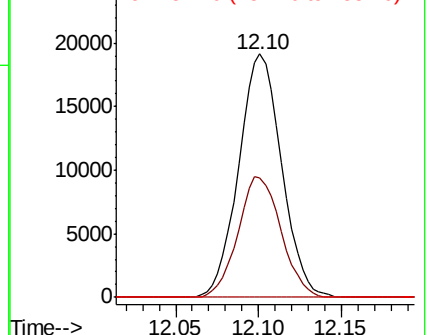
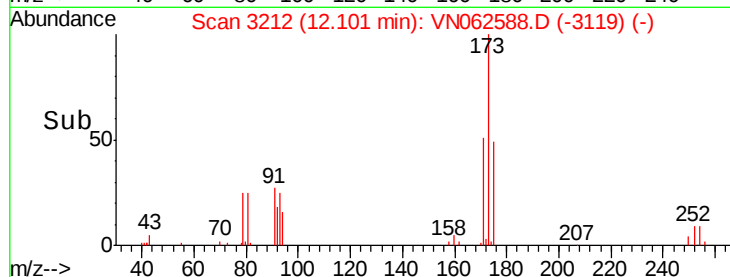


Abundance

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: VN062588.D

Acq: 22 Jul 2020 12:00

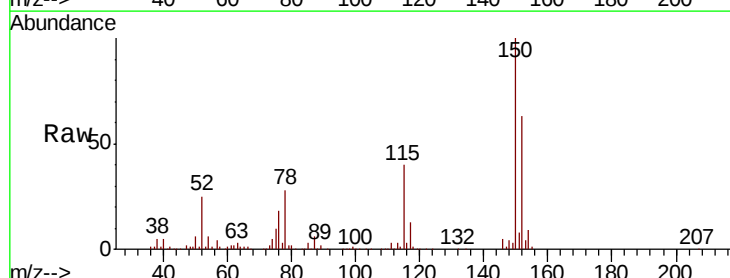
Tgt Ion:152 Resp: 142107

Ion Ratio Lower Upper

152 100

115 62.7 31.8 95.4

150 163.6 0.0 351.4

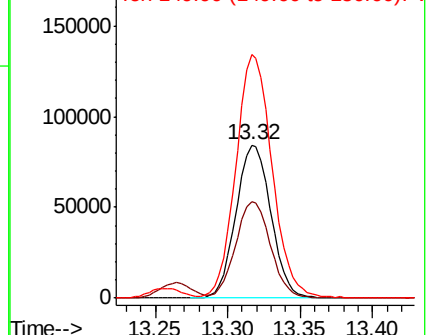
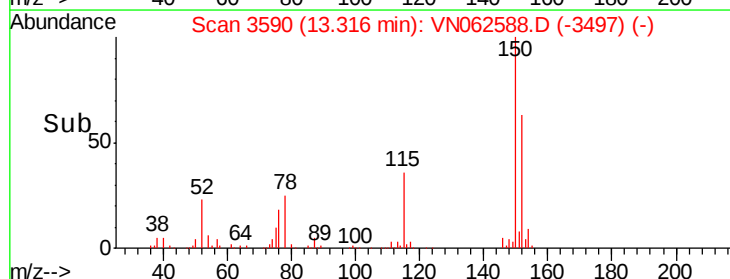


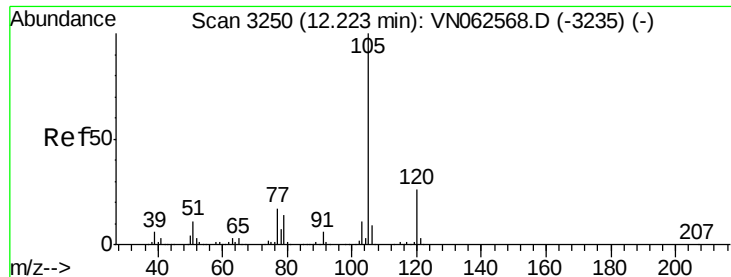
Abundance

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: 18.806 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

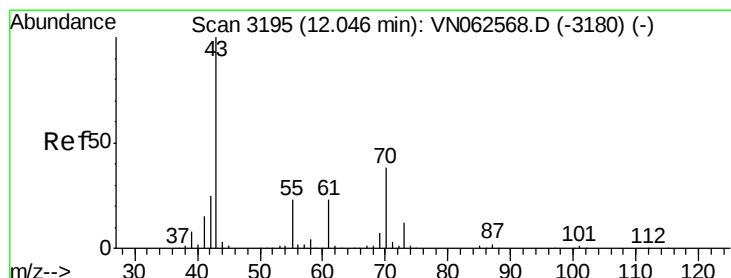
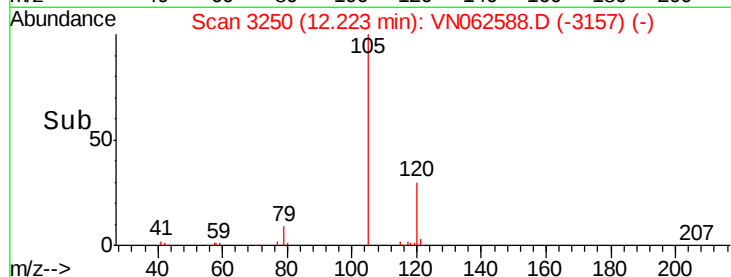
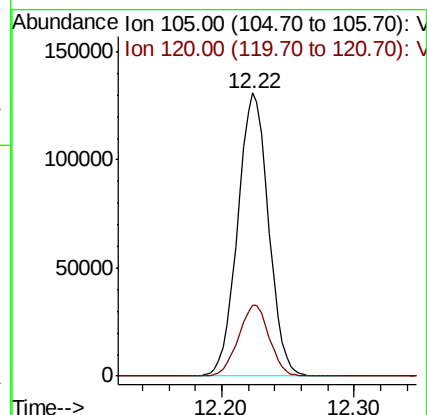
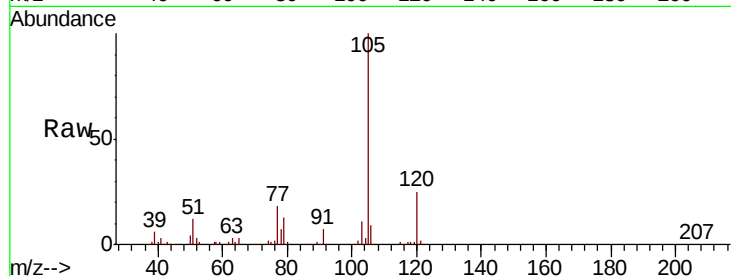
VN0722WBS01

Tot Ion:105 Resp: 211316

Ion Ratio Lower Upper

105 100

120 25.0 12.8 38.4



#74

N-ethyl acetate

Concen: 18.436 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Tgt Ion: 43 Resp: 92511

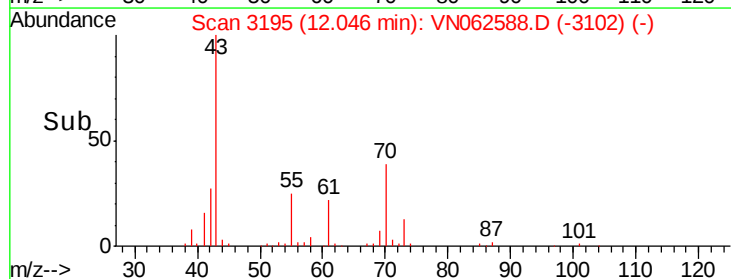
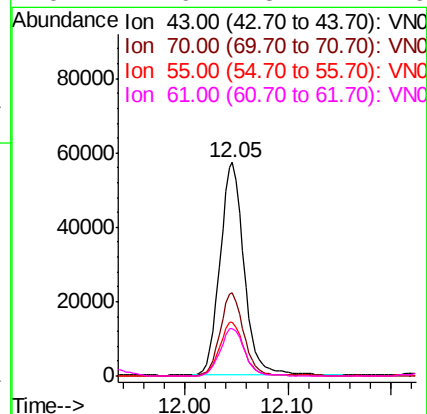
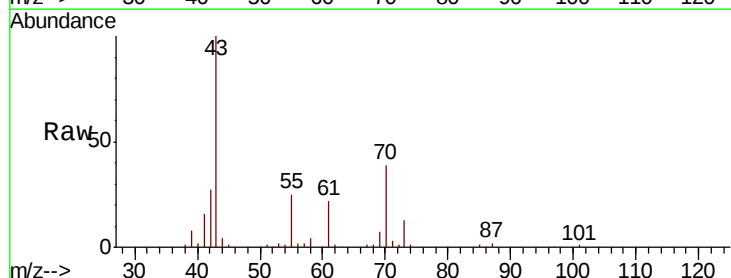
Ion Ratio Lower Upper

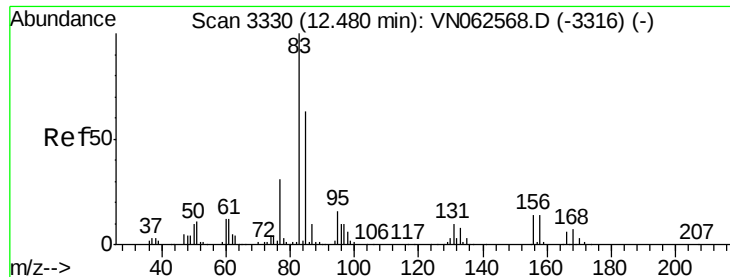
43 100

70 38.5 30.5 45.7

55 25.3 19.0 28.6

61 22.9 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.536 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBS01

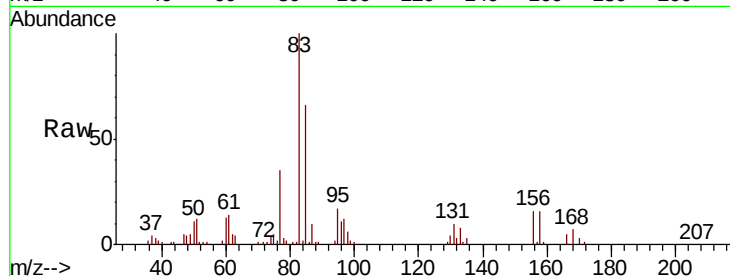
Tot Ion: 83 Resp: 68471

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.3

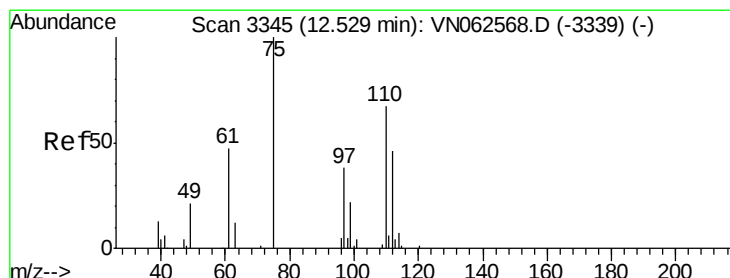
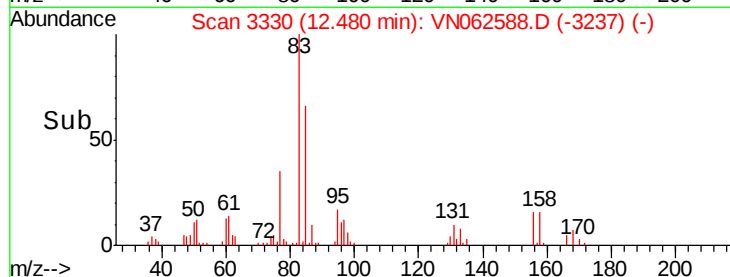
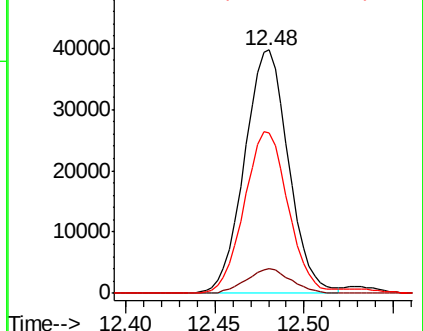
85 66.0 31.8 95.4



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: 25.391 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062588.D

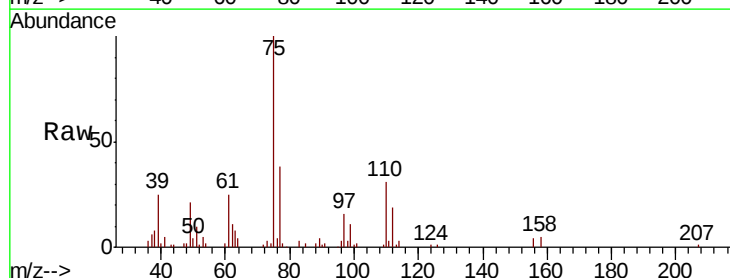
Acq: 22 Jul 2020 12:00

Tgt Ion: 75 Resp: 91841

Ion Ratio Lower Upper

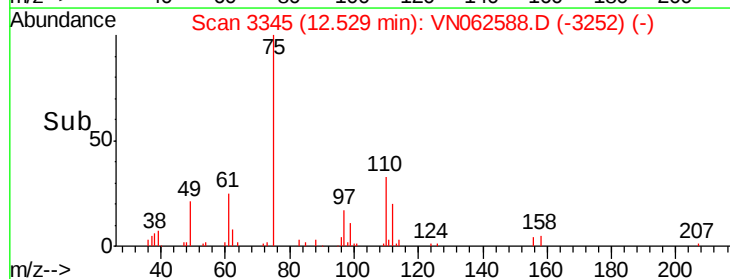
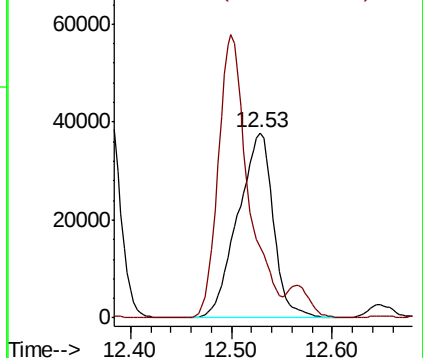
75 100

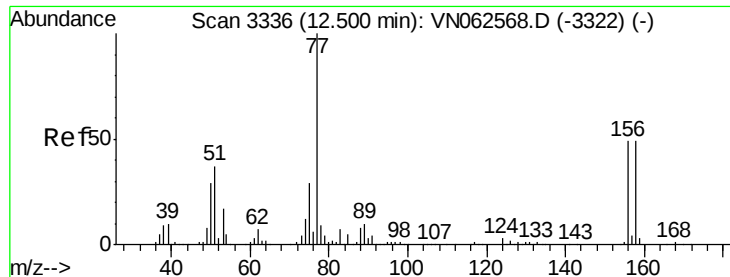
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.327 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBS01

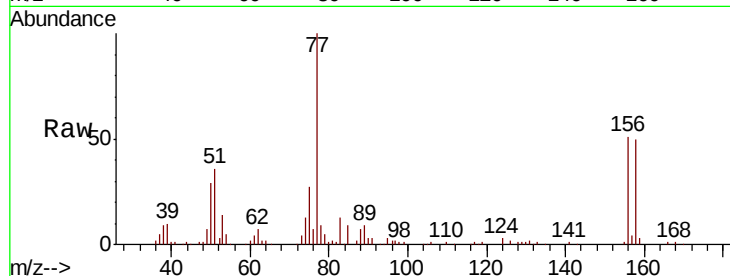
Tot Ion:156 Resp: 49489

Ion Ratio Lower Upper

156 100

77 243.2 122.8 368.3

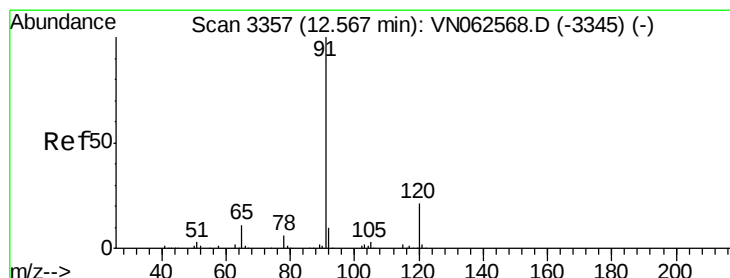
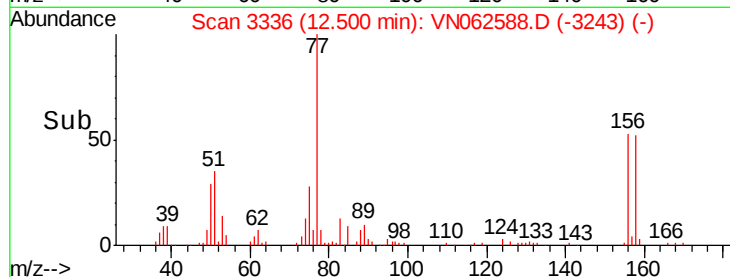
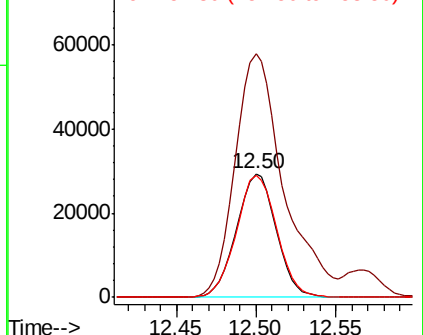
158 100.7 49.4 148.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.043 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062588.D

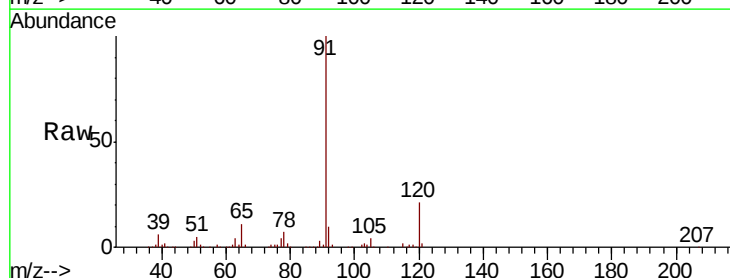
Acq: 22 Jul 2020 12:00

Tgt Ion: 91 Resp: 250648

Ion Ratio Lower Upper

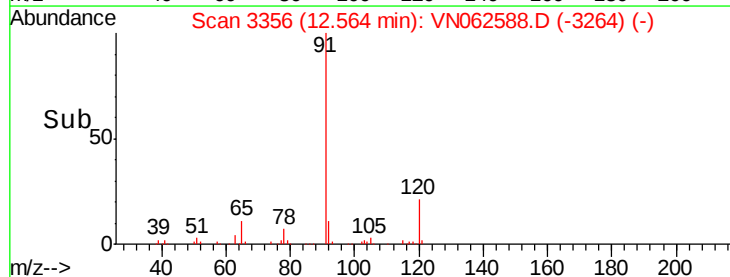
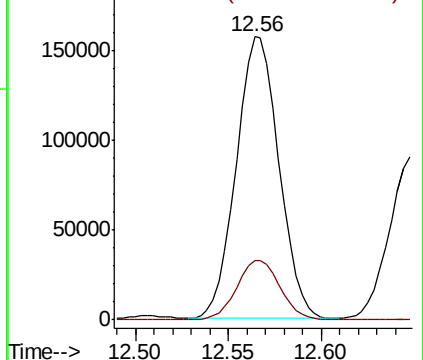
91 100

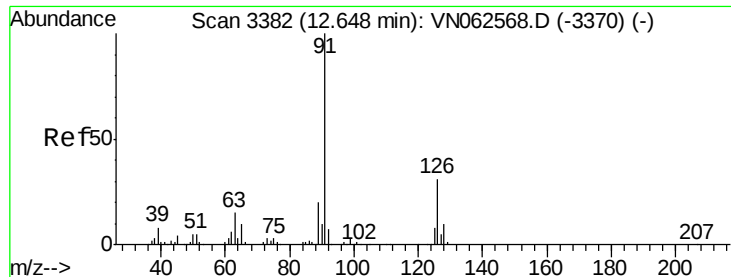
120 21.3 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.722 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

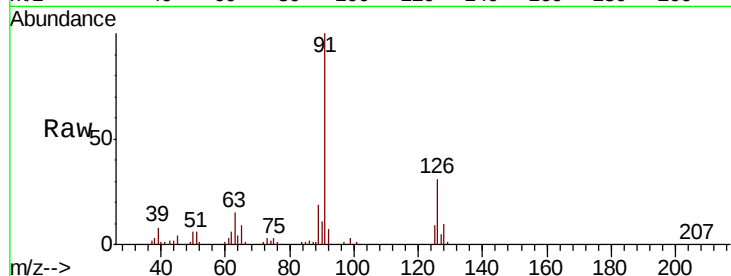
VN0722WBS01

Tot Ion: 91 Resp: 151862

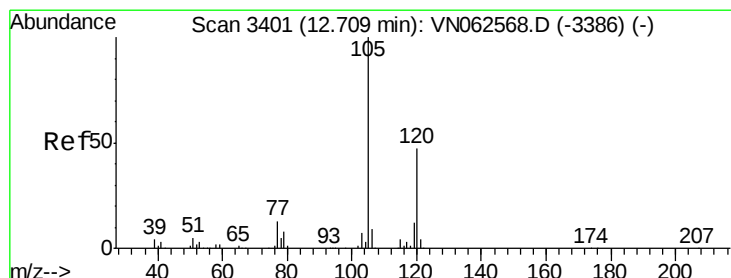
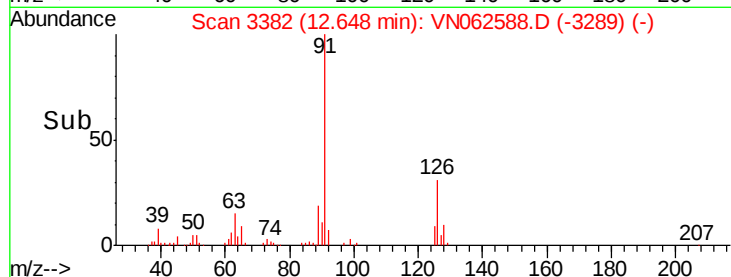
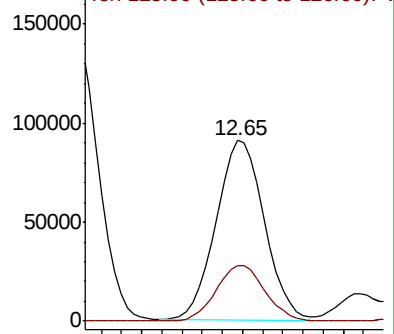
Ion Ratio Lower Upper

91 100

126 31.6 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN062568.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.432 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062588.D

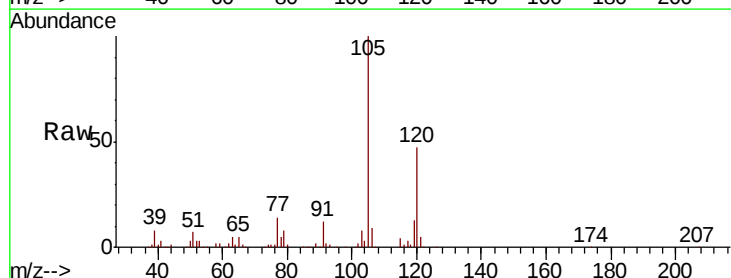
Acq: 22 Jul 2020 12:00

Tgt Ion:105 Resp: 181124

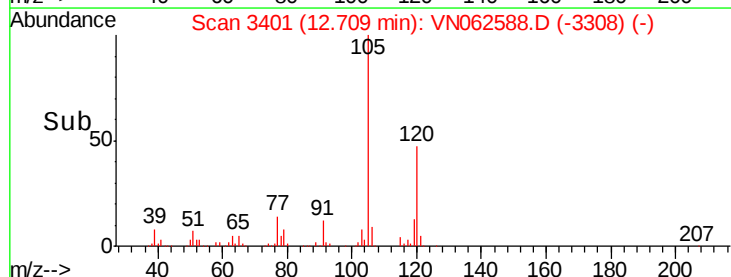
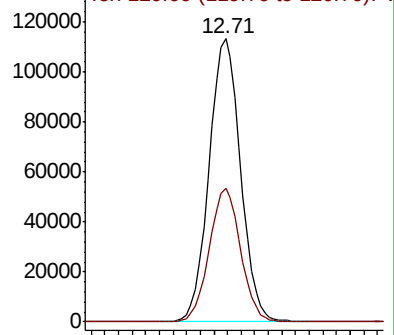
Ion Ratio Lower Upper

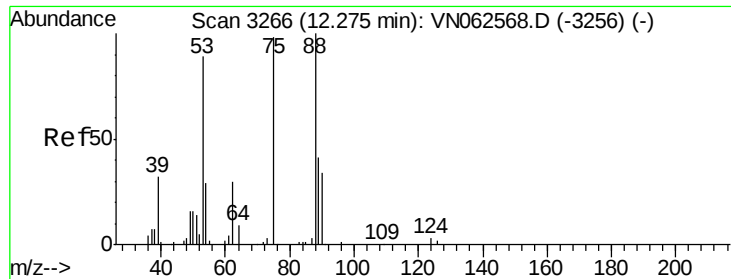
105 100

120 46.9 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062568.D (-3386) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.909 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBS01

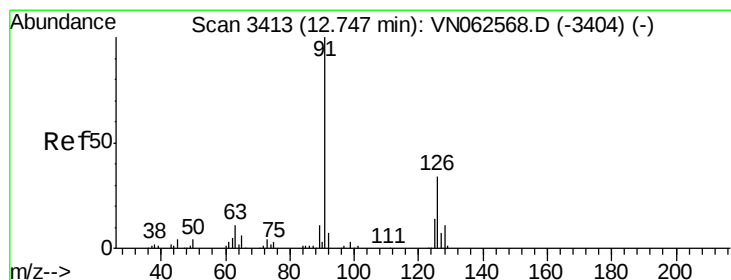
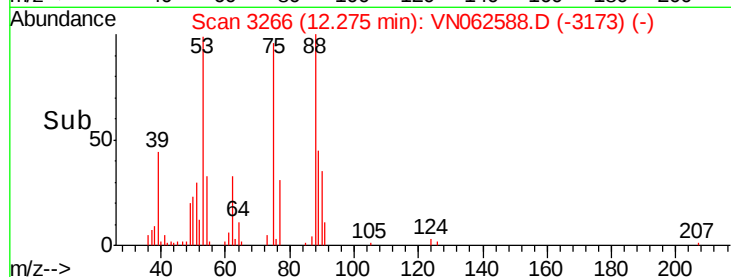
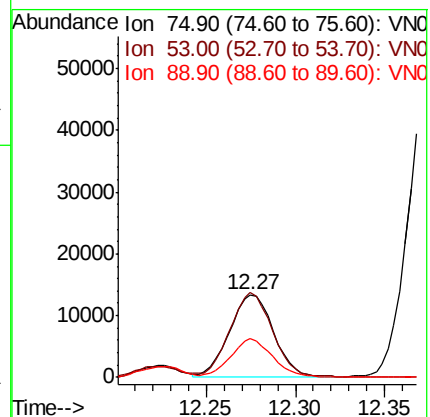
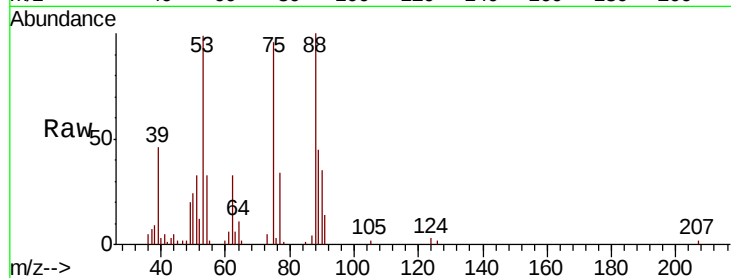
Tot Ion: 75 Resp: 23270

Ion Ratio Lower Upper

75 100

53 98.3 75.4 113.0

89 44.1 34.5 51.7



#82

4-Chlorotoluene

Concen: 18.558 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062588.D

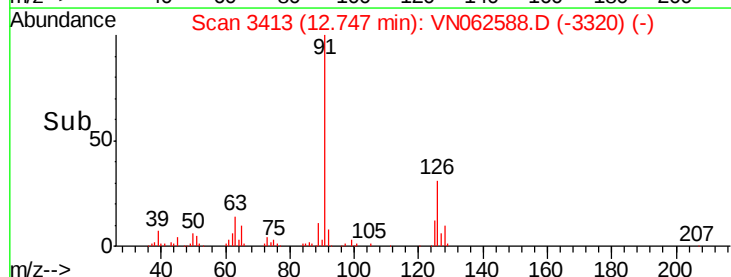
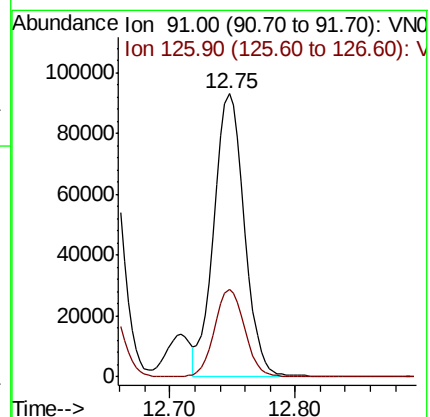
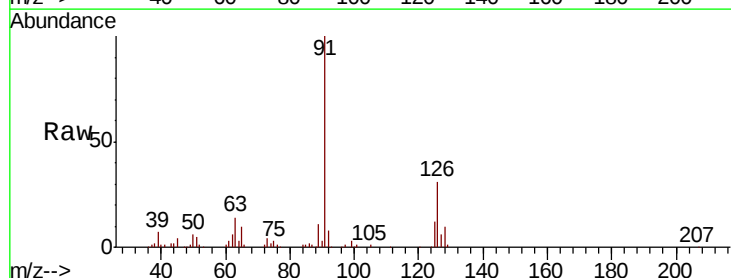
Acq: 22 Jul 2020 12:00

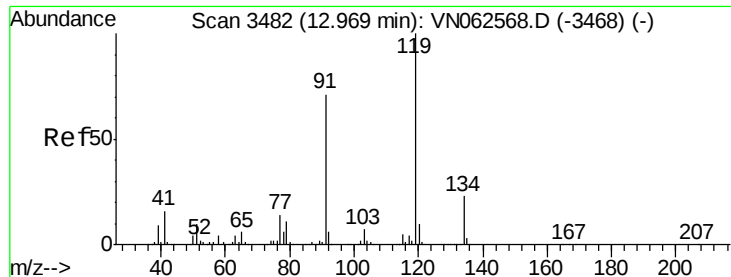
Tgt Ion: 91 Resp: 156688

Ion Ratio Lower Upper

91 100

126 31.0 15.4 46.4

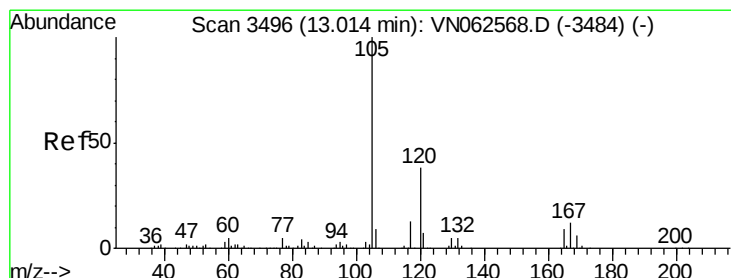
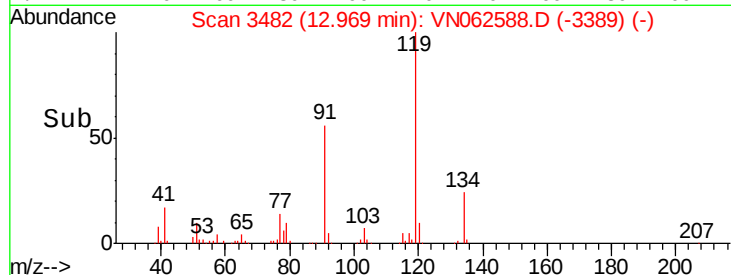
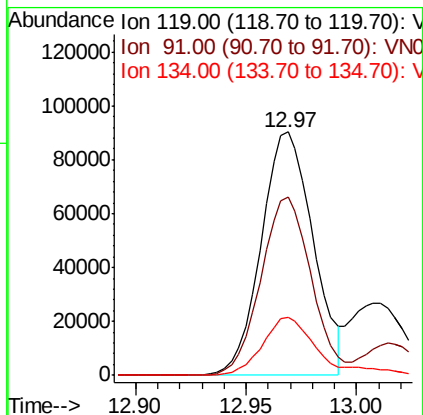
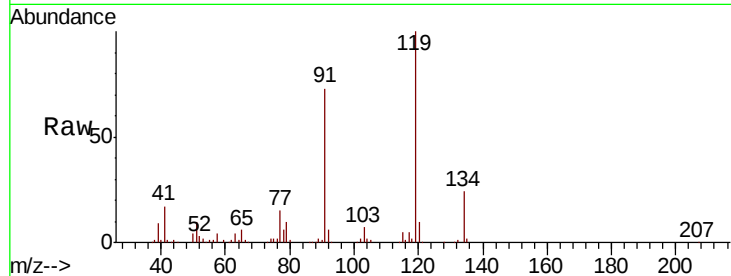




#83
tert-Butylbenzene
Concen: 19.043 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

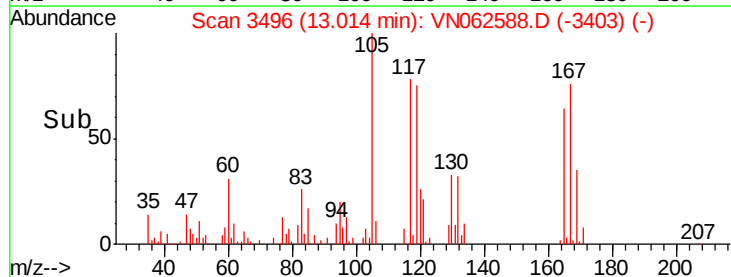
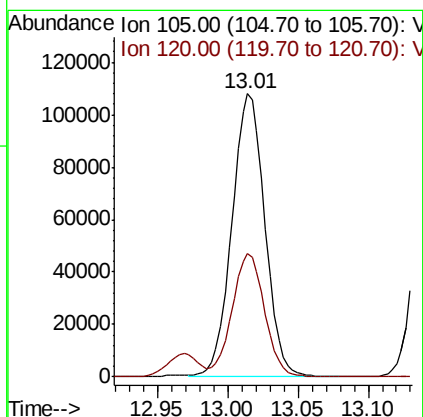
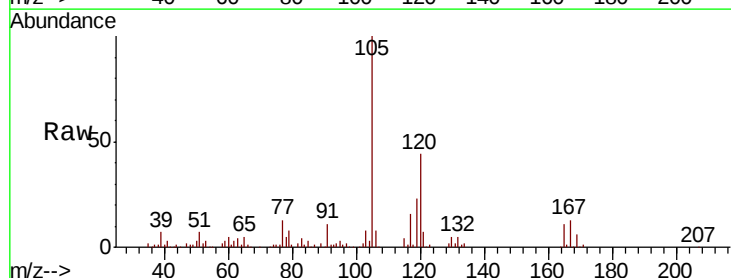
Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

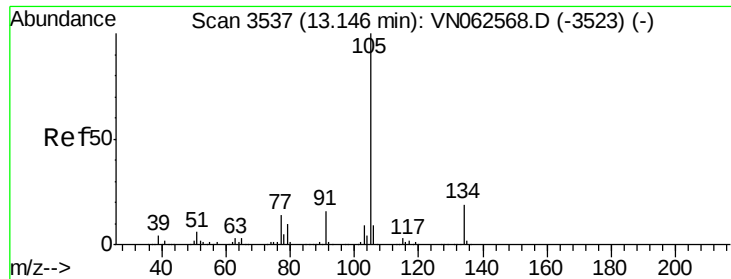
Tot Ion:119 Resp: 147386
Ion Ratio Lower Upper
119 100
91 71.5 34.6 103.8
134 25.7 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 19.185 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion:105 Resp: 175423
Ion Ratio Lower Upper
105 100
120 43.2 22.1 66.3





#85

sec-Butylbenzene

Concen: 19.128 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

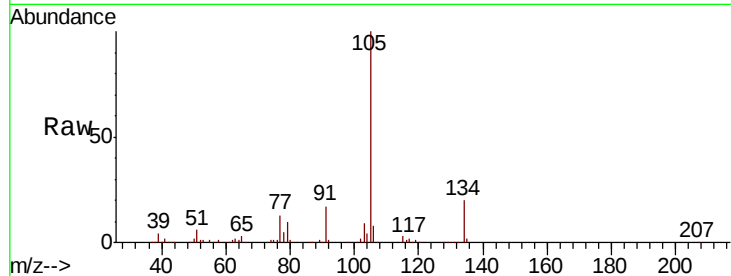
VN0722WBS01

Tot Ion:105 Resp: 198202

Ion Ratio Lower Upper

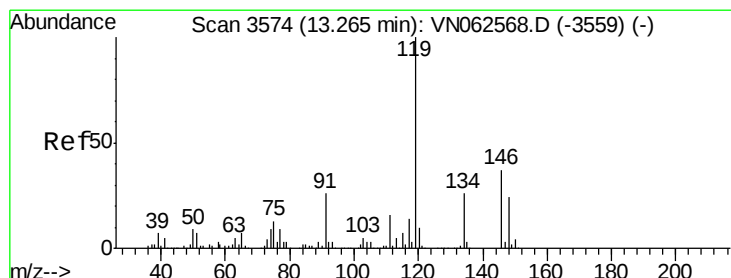
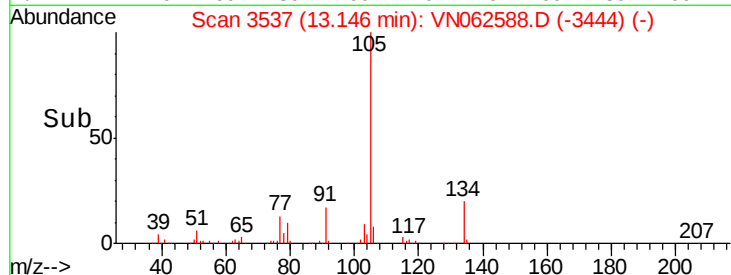
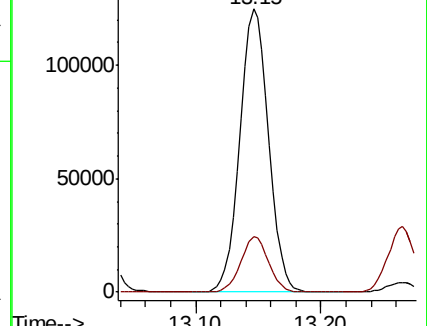
105 100

134 18.9 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.241 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

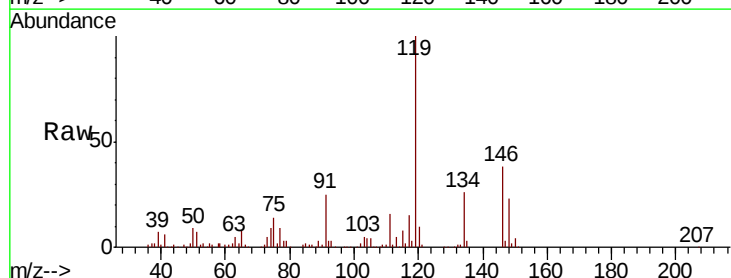
Tgt Ion:119 Resp: 171475

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

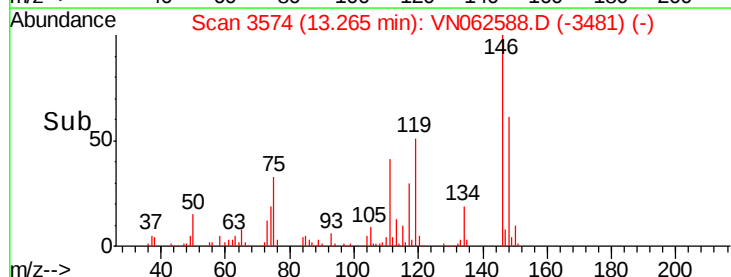
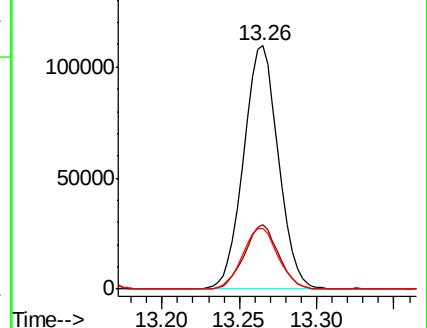
91 25.8 12.7 38.1

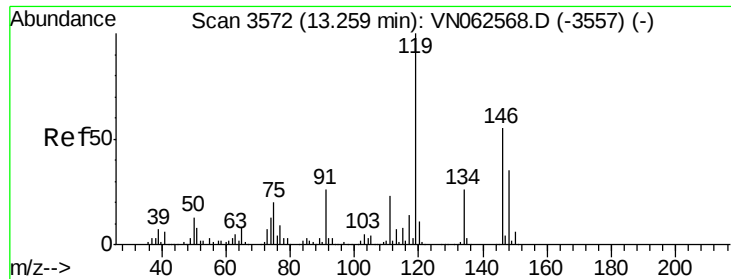


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

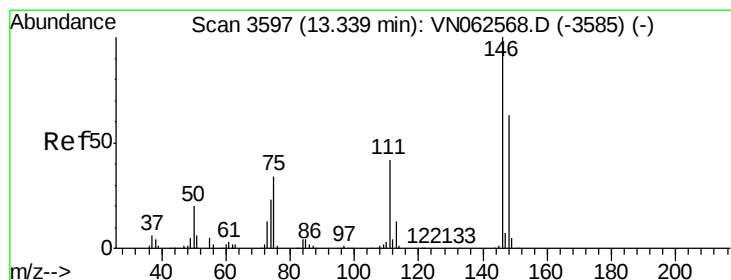
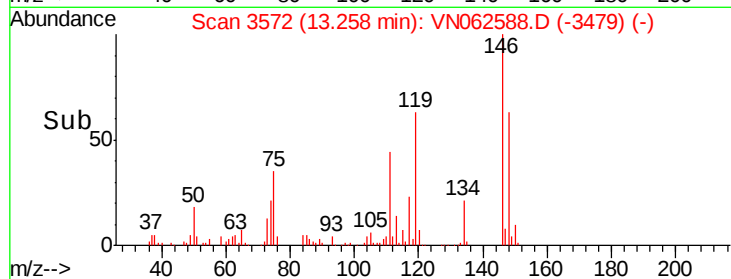
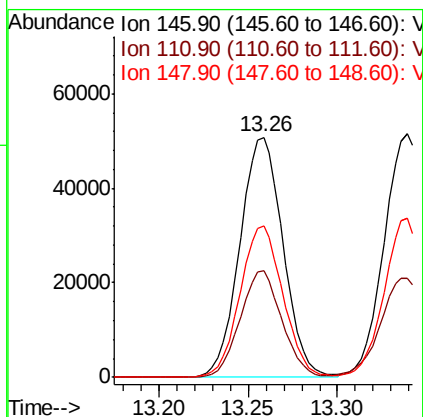
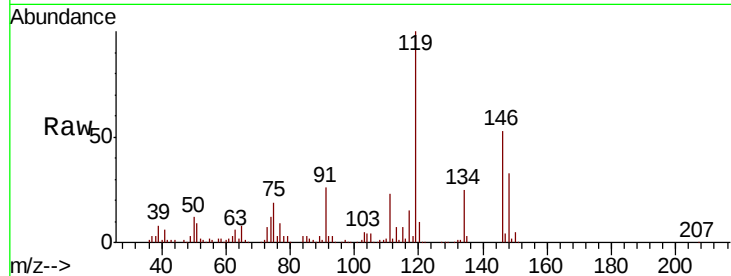




#87
 1,3-Dichlorobenzene
 Concen: 18.191 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

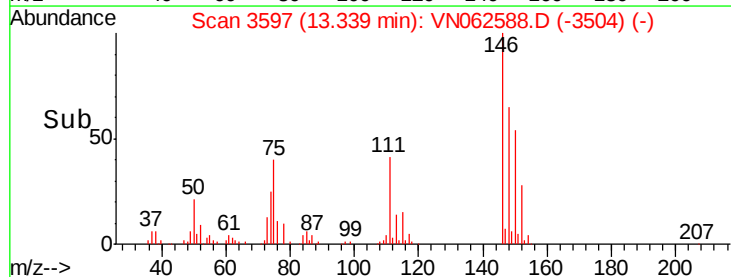
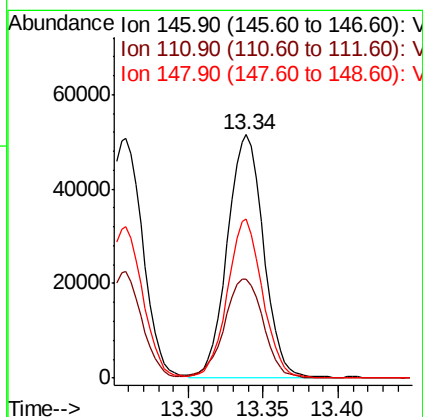
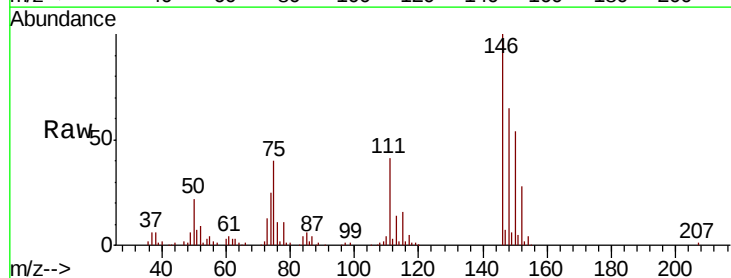
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

Tot Ion:146 Resp: 86204
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.6 64.6
 148 62.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.454 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062588.D
 Acq: 22 Jul 2020 12:00

Tgt Ion:146 Resp: 86087
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.1 63.1
 148 64.1 31.6 94.8

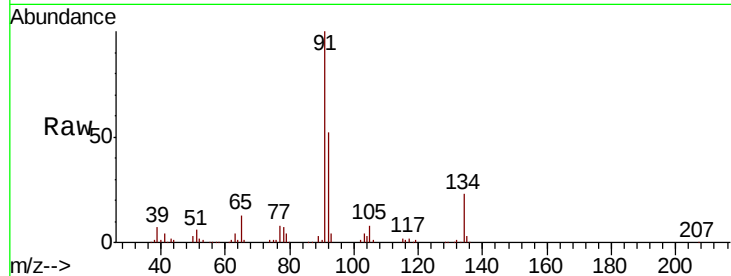




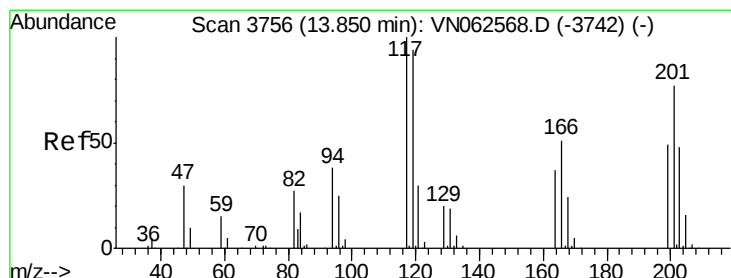
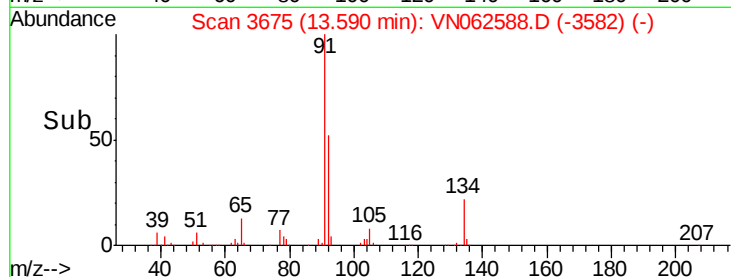
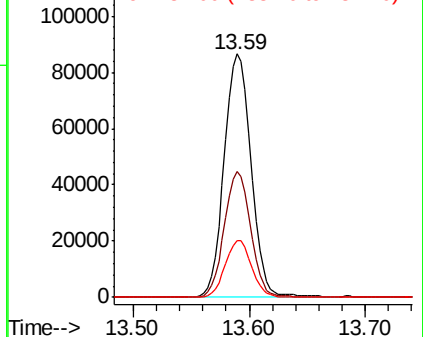
#89
n-Butylbenzene
Concen: 18.142 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

Tot Ion: 91 Resp: 138922
Ion Ratio Lower Upper
91 100
92 50.6 25.8 77.3
134 22.7 11.8 35.3

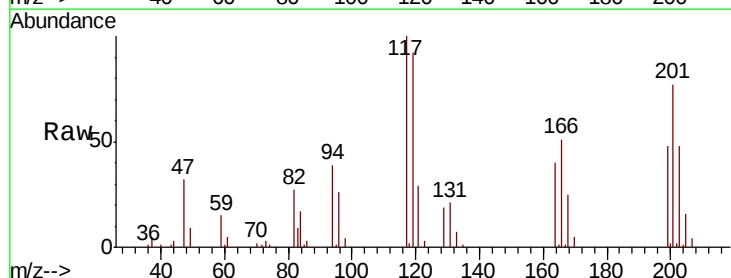


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

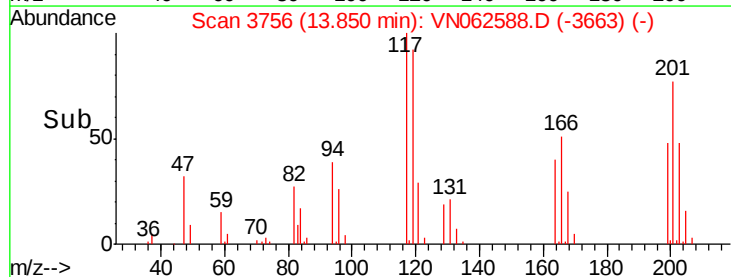
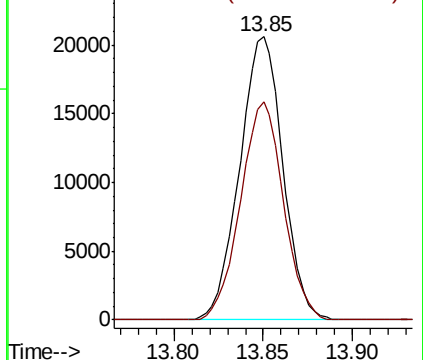


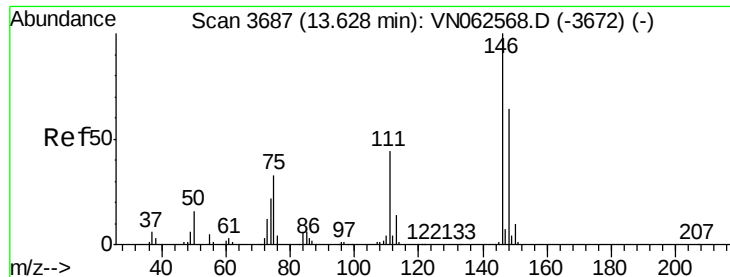
#90
Hexachloroethane
Concen: 18.345 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion: 117 Resp: 34803
Ion Ratio Lower Upper
117 100
201 76.5 39.2 117.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.424 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBS01

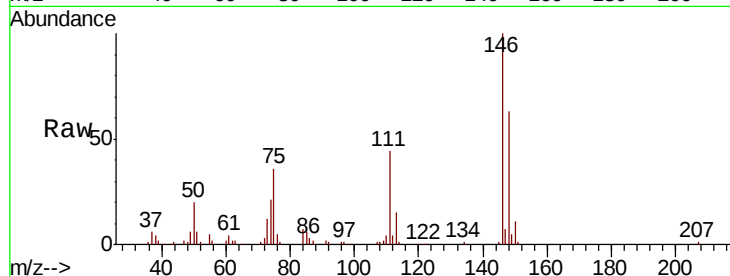
Tot Ion:146 Resp: 83481

Ion Ratio Lower Upper

146 100

111 43.7 21.9 65.8

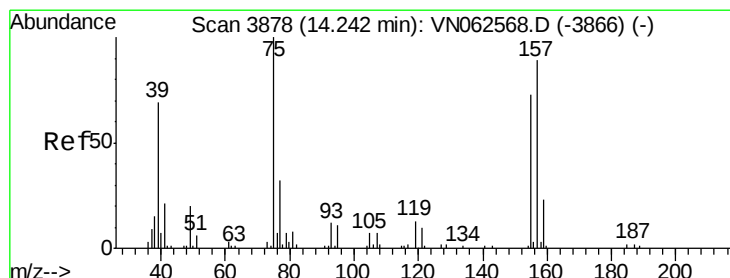
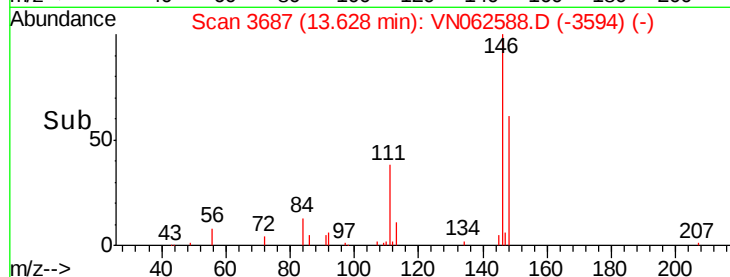
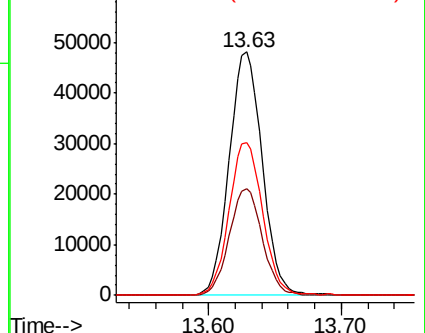
148 63.4 31.6 94.7



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: 17.463 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

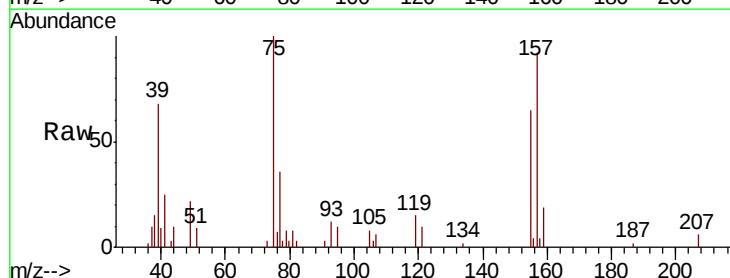
Tgt Ion: 75 Resp: 12380

Ion Ratio Lower Upper

75 100

155 67.8 35.9 107.5

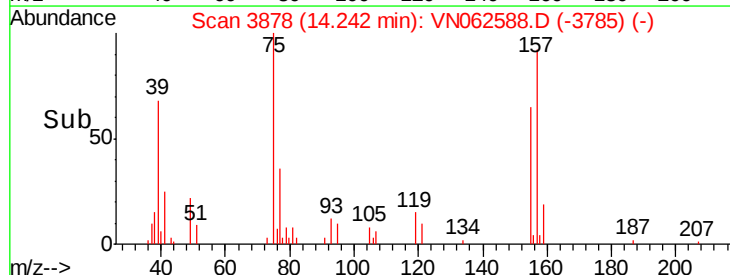
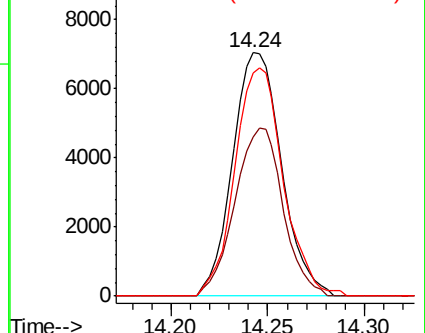
157 92.9 45.0 135.0

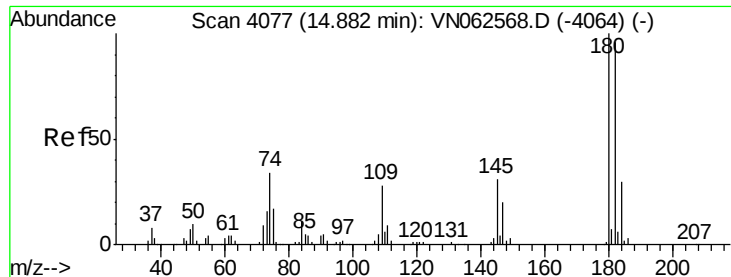


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

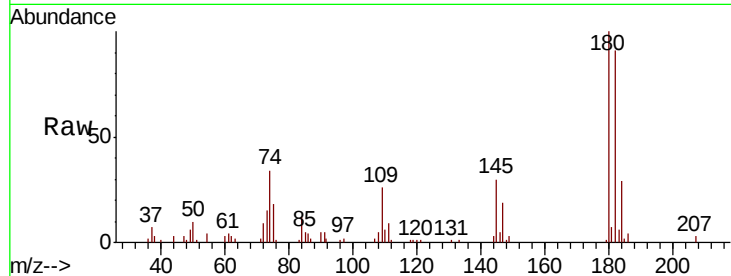




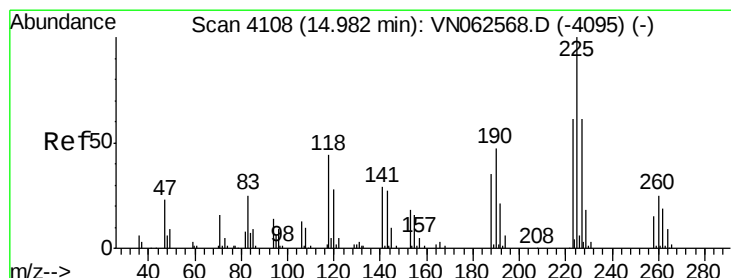
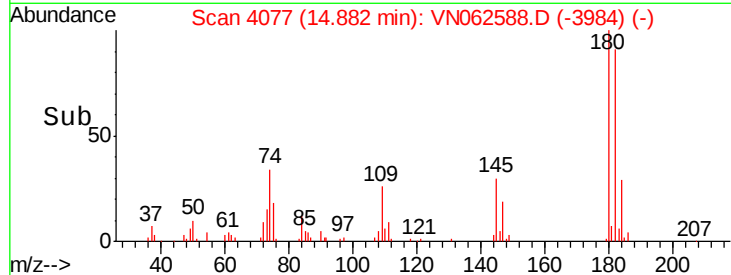
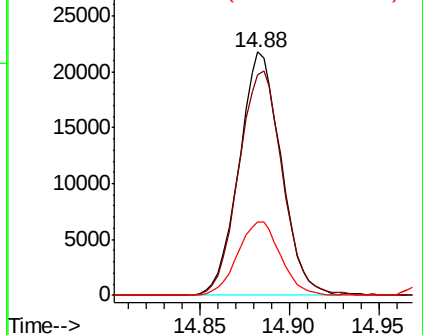
#93
1,2,4-Trichlorobenzene
Concen: 17.217 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. 0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBS01

Tot Ion:180 Resp: 35848
Ion Ratio Lower Upper
180 100
182 96.3 47.8 143.3
145 31.0 15.3 45.9

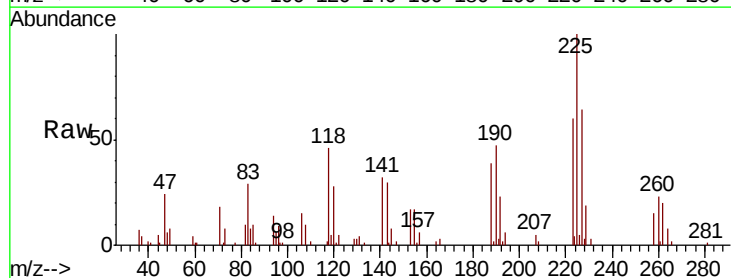


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

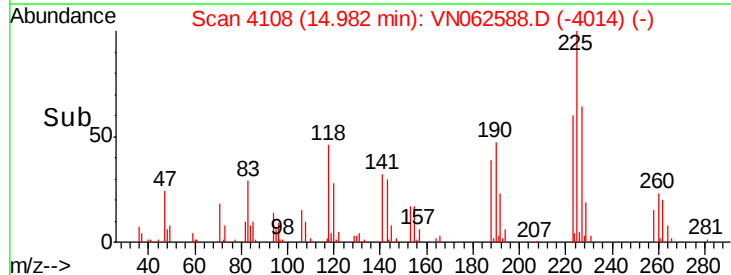
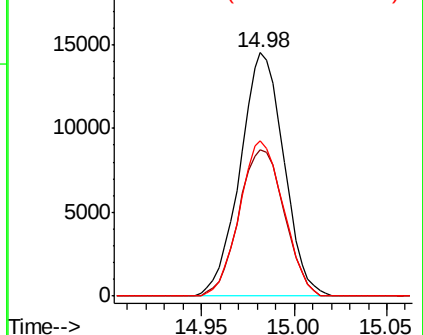


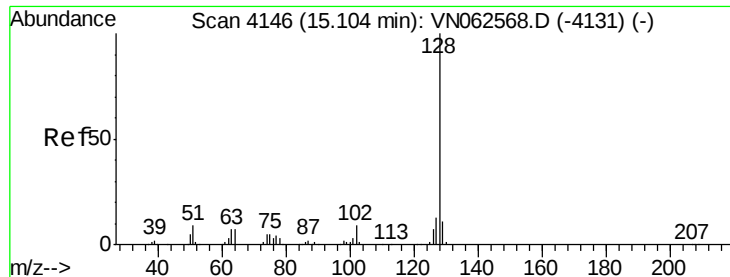
#94
Hexachlorobutadiene
Concen: 19.138 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. 0.00 min
Lab File: VN062588.D
Acq: 22 Jul 2020 12:00

Tgt Ion:225 Resp: 23788
Ion Ratio Lower Upper
225 100
223 62.5 32.0 96.0
227 63.9 31.1 93.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.345 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBS01

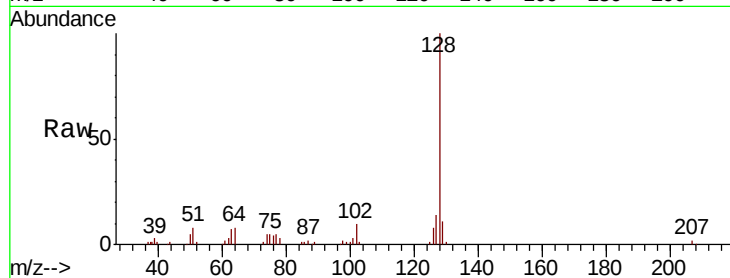
Tot Ion:128 Resp: 85991

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

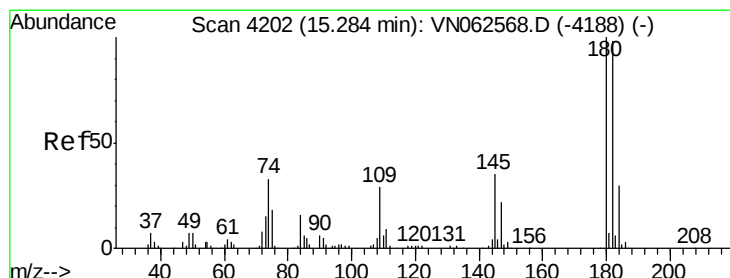
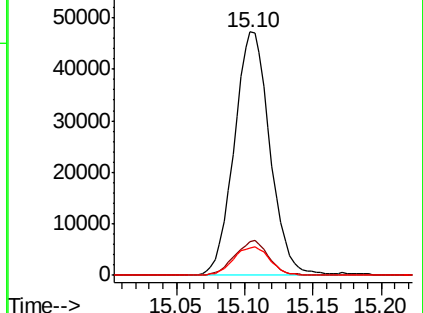
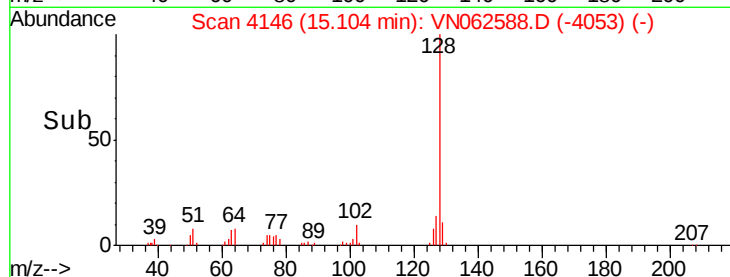
129 11.8 8.7 13.1



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: 16.976 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062588.D

Acq: 22 Jul 2020 12:00

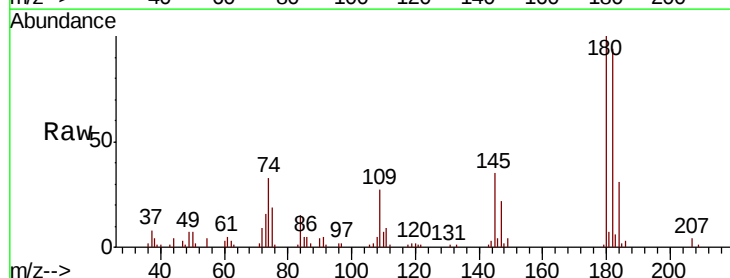
Tgt Ion:180 Resp: 36249

Ion Ratio Lower Upper

180 100

182 97.3 48.1 144.3

145 33.8 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

