

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062676.D
 Acq On : 31 Jul 2020 11:28
 Operator : JC/MD
 Sample : VN0731WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Quant Time: Aug 01 06:03:04 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	7.62	168	155785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	251073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	236419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	107836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	124825	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.55	113	84531	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.06	98	314386	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.38	95	119415	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32676	17.585	ug/l	99
3) Chloromethane	2.03	50	38513	15.281	ug/l	94
4) Vinyl Chloride	2.16	62	34175	15.642	ug/l	100
5) Bromomethane	2.51	94	19835	20.497	ug/l	99
6) Chloroethane	2.66	64	19800	20.034	ug/l	97
7) Trichlorofluoromethane	2.98	101	55497	21.634	ug/l	96
8) Diethyl Ether	3.37	74	20087	16.745	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	29459	17.911	ug/l	94
10) Methyl Iodide	3.91	142	38515	18.317	ug/l	95
11) Tert butyl alcohol	4.73	59	34758	90.285	ug/l #	91
12) 1,1-Dichloroethene	3.69	96	28422	17.039	ug/l	99
13) Acrolein	3.56	56	16340	47.761	ug/l	98
14) Allyl chloride	4.27	41	59605	16.519	ug/l	95
15) Acrylonitrile	4.93	53	95142	92.267	ug/l	100
16) Acetone	3.77	43	85448	93.829	ug/l	99
17) Carbon Disulfide	4.00	76	86267	15.740	ug/l	100
18) Methyl Acetate	4.27	43	46544	20.189	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	119685	19.494	ug/l	99
20) Methylene Chloride	4.50	84	38452	17.605	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	33575	18.135	ug/l	89
22) Diisopropyl ether	5.90	45	126910	17.695	ug/l	94
23) Vinyl Acetate	5.84	43	522798	88.961	ug/l	98
24) 1,1-Dichloroethane	5.80	63	70248	18.189	ug/l	98
25) 2-Butanone	6.78	43	124211	89.558	ug/l	100
26) 2,2-Dichloropropane	6.77	77	61852	19.509	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	38119	18.044	ug/l	99
28) Bromochloromethane	7.15	49	35024	18.427	ug/l	98
29) Tetrahydrofuran	7.17	42	81808	87.170	ug/l	95
30) Chloroform	7.33	83	71422	19.450	ug/l	100
31) Cyclohexane	7.61	56	57973	16.258	ug/l #	89
32) 1,1,1-Trichloroethane	7.53	97	63310	20.650	ug/l	99
36) 1,1-Dichloropropene	7.75	75	51341	19.184	ug/l	98
37) Ethyl Acetate	6.88	43	54251	18.806	ug/l	99
38) Carbon Tetrachloride	7.73	117	55691	21.650	ug/l	97

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Quant Time: Aug 01 06:03:04 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	52293	18.152	ug/l	97
40) Benzene	8.00	78	148043	18.272	ug/l	99
41) Methacrylonitrile	7.12	41	20269	16.394	ug/l #	88
42) 1,2-Dichloroethane	8.08	62	62981	21.263	ug/l	99
43) Isopropyl Acetate	8.12	43	87839	18.888	ug/l #	91
44) Trichloroethene	8.80	130	34465	18.863	ug/l	100
45) 1,2-Dichloropropane	9.08	63	42539	18.700	ug/l	97
46) Dibromomethane	9.17	93	26617	20.245	ug/l	97
47) Bromodichloromethane	9.37	83	58697	20.607	ug/l	96
48) Methyl methacrylate	9.17	41	42028	19.011	ug/l	97
49) 1,4-Dioxane	9.17	88	12739	375.191	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	266631	95.822	ug/l	99
52) Toluene	10.12	92	90600	19.258	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	63374	19.986	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	64674	19.008	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	36168	19.820	ug/l	96
56) Ethyl methacrylate	10.40	69	55642	18.149	ug/l	97
57) 1,3-Dichloropropane	10.68	76	66133	19.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	81117	93.347	ug/l	98
59) 2-Hexanone	10.72	43	189565	90.007	ug/l	99
60) Dibromochloromethane	10.87	129	42515	20.884	ug/l	97
61) 1,2-Dibromoethane	10.98	107	36701	19.314	ug/l	98
64) Tetrachloroethene	10.60	164	29476	19.189	ug/l	97
65) Chlorobenzene	11.40	112	95233	19.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	36855	19.766	ug/l	98
67) Ethyl Benzene	11.48	91	172684	19.002	ug/l	98
68) m/p-Xylenes	11.59	106	127897	39.156	ug/l	99
69) o-Xylene	11.92	106	60497	19.505	ug/l	99
70) Styrene	11.94	104	103838	19.818	ug/l	98
71) Bromoform	12.10	173	28427	20.305	ug/l #	97
73) Isopropylbenzene	12.22	105	165999	19.468	ug/l	99
74) N-amyl acetate	12.05	43	73761	19.371	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	54952	18.546	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	74592	27.176	ug/l #	100
77) Bromobenzene	12.50	156	39632	19.341	ug/l	98
78) n-propylbenzene	12.57	91	191253	19.148	ug/l	100
79) 2-Chlorotoluene	12.65	91	119418	19.401	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	145699	20.600	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	19083	19.354	ug/l	95
82) 4-Chlorotoluene	12.75	91	124803	19.479	ug/l	98
83) tert-Butylbenzene	12.97	119	118566	20.188	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	140648	20.271	ug/l	97
85) sec-Butylbenzene	13.15	105	161252	20.508	ug/l	99
86) p-Isopropyltoluene	13.26	119	140599	20.791	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	70108	19.497	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	69324	19.584	ug/l	98
89) n-Butylbenzene	13.59	91	113406	19.517	ug/l	99
90) Hexachloroethane	13.85	117	27978	19.434	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	67995	19.775	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10887	20.237	ug/l	97

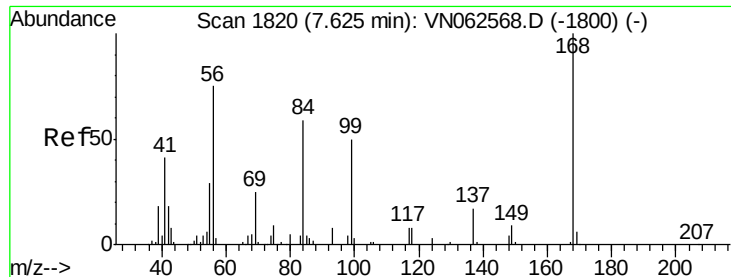
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
Data File : VN062676.D
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	26774	16.994	ug/l	98
94) Hexachlorobutadiene	14.98	225	20656	21.963	ug/l	99
95) Naphthalene	15.10	128	67424	16.763	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	27657	17.068	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

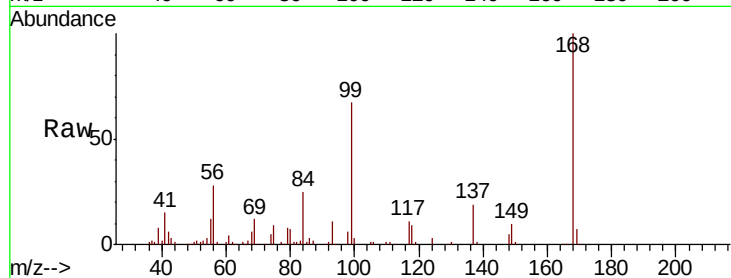
VN0731WBSD01

Tot Ion:168 Resp: 155785

Ion Ratio Lower Upper

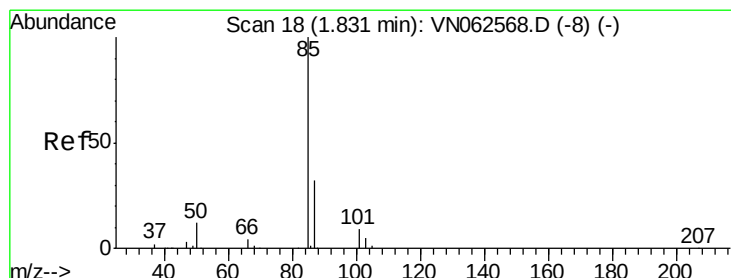
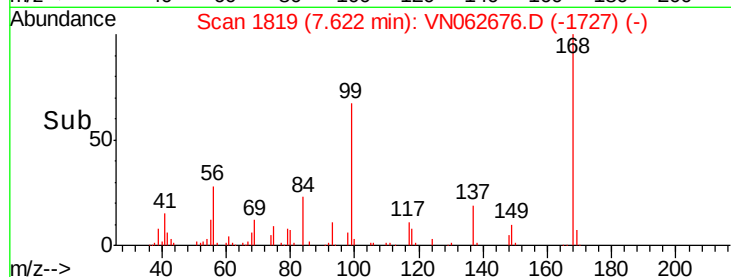
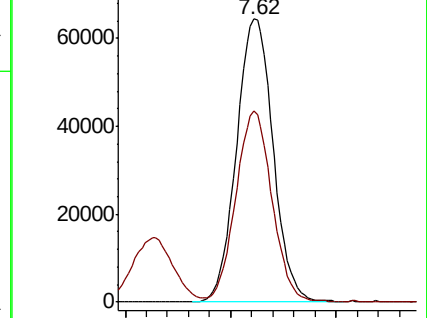
168 100

99 67.1 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: 17.585 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062676.D

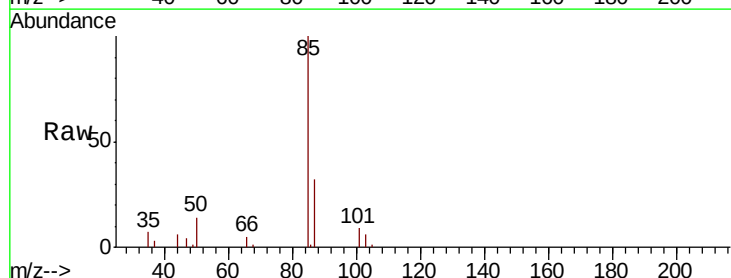
Acq: 31 Jul 2020 11:28

Tgt Ion: 85 Resp: 32676

Ion Ratio Lower Upper

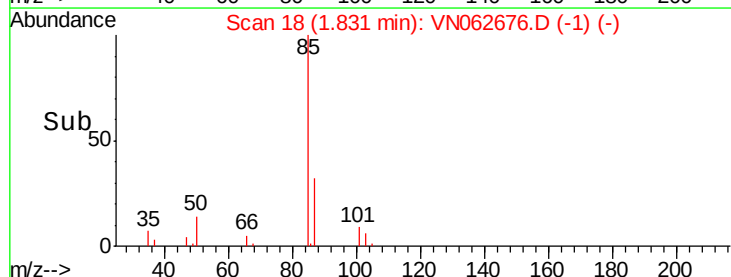
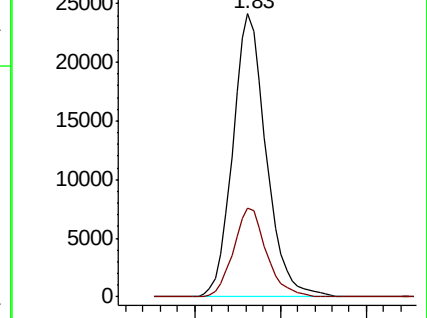
85 100

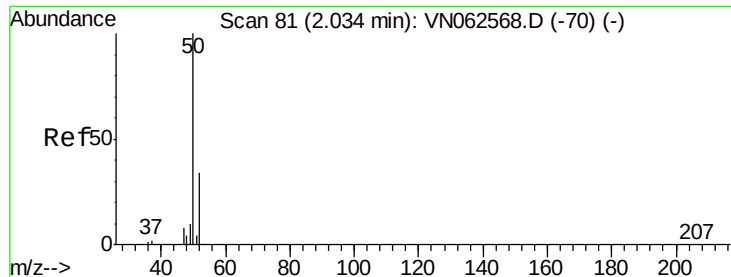
87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 15.281 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

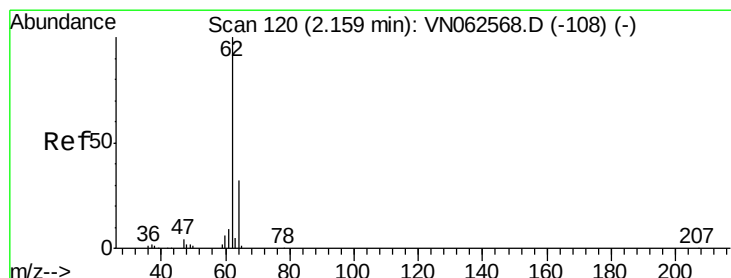
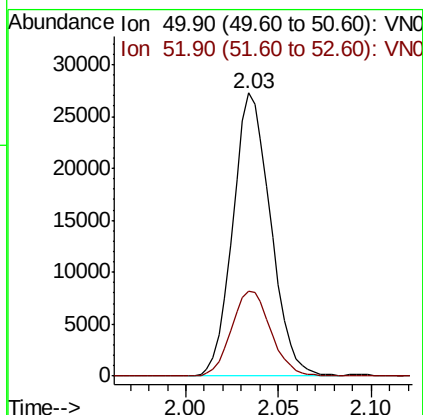
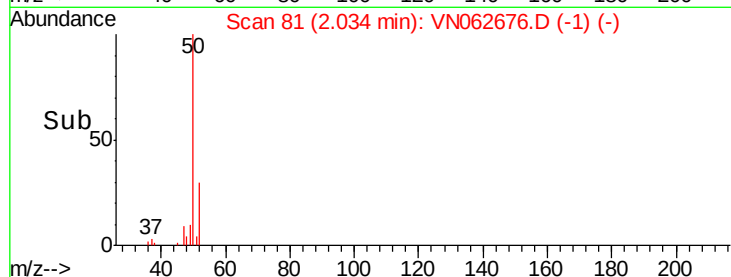
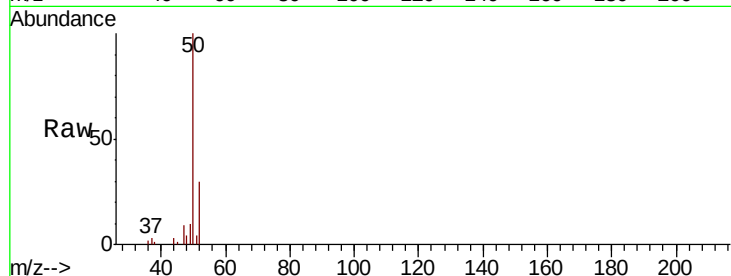
VN0731WBSD01

Tot Ion: 50 Resp: 38513

Ion Ratio Lower Upper

50 100

52 30.0 27.0 40.4



#4

Vinyl Chloride

Concen: 15.642 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062676.D

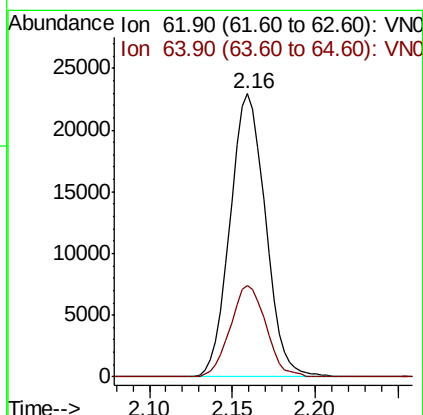
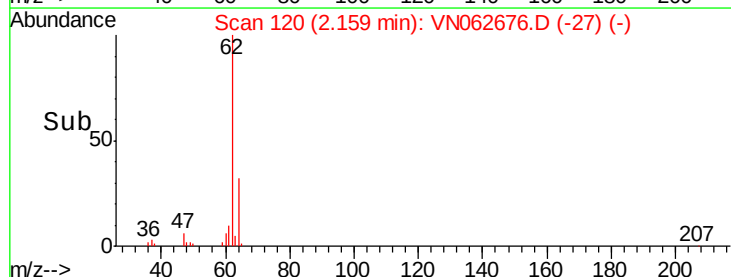
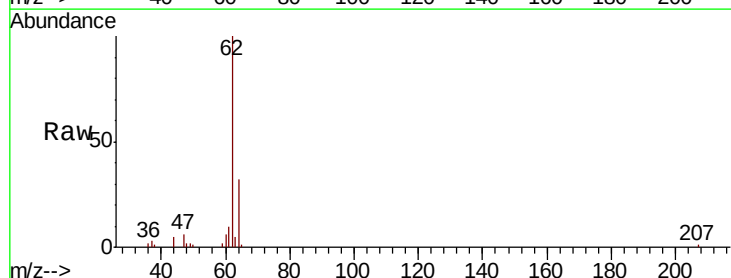
Acq: 31 Jul 2020 11:28

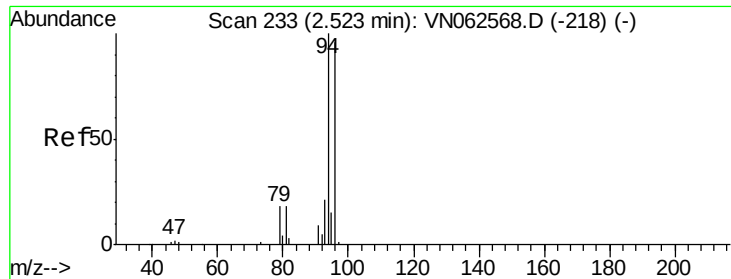
Tgt Ion: 62 Resp: 34175

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 20.497 ug/l

RT: 2.51 min Scan# 230

Delta R.T. -0.01 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

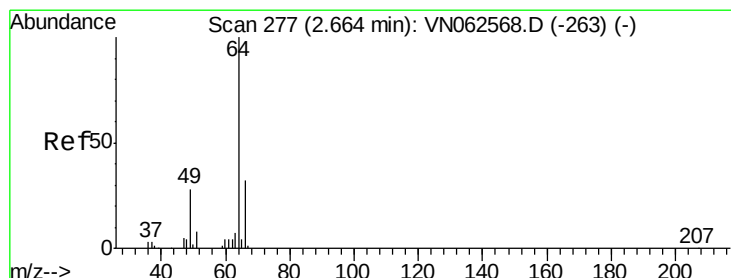
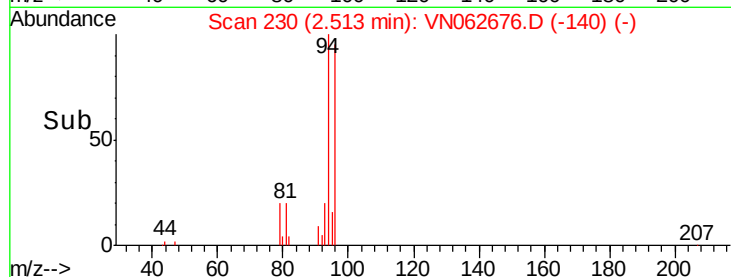
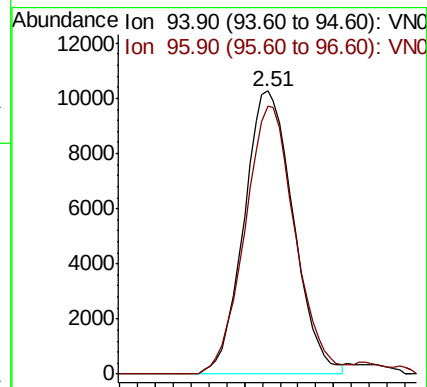
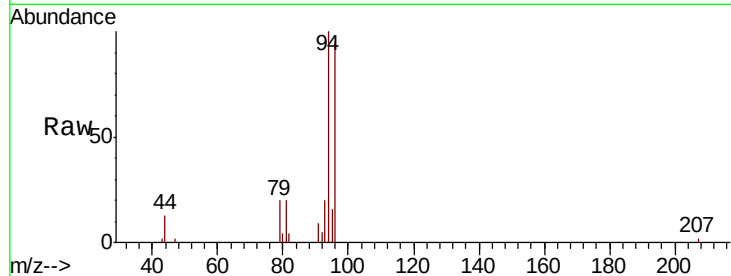
VN0731WBSD01

Tot Ion: 94 Resp: 19835

Ion Ratio Lower Upper

94 100

96 94.9 76.6 114.8



#6

Chloroethane

Concen: 20.034 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062676.D

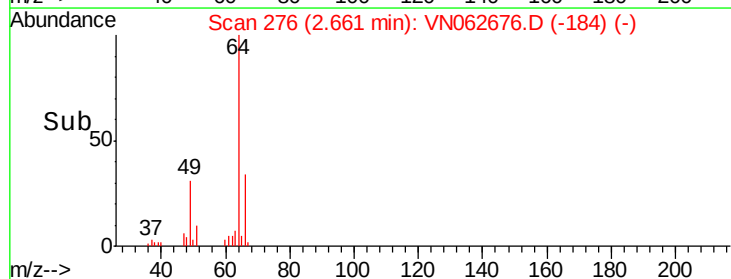
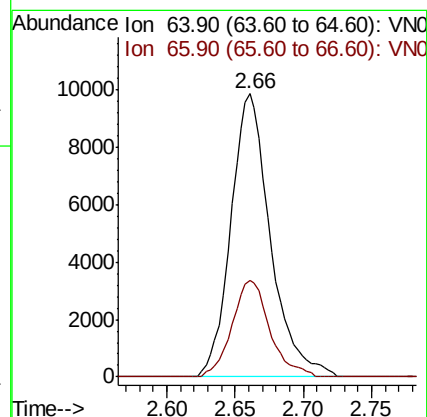
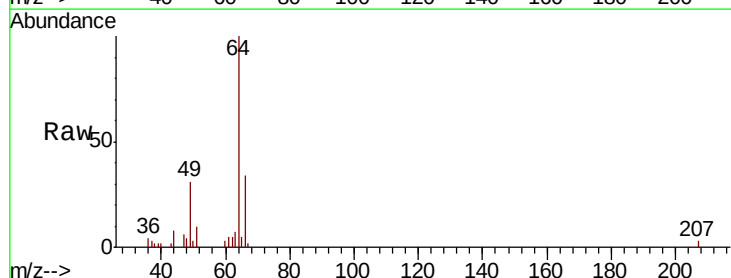
Acq: 31 Jul 2020 11:28

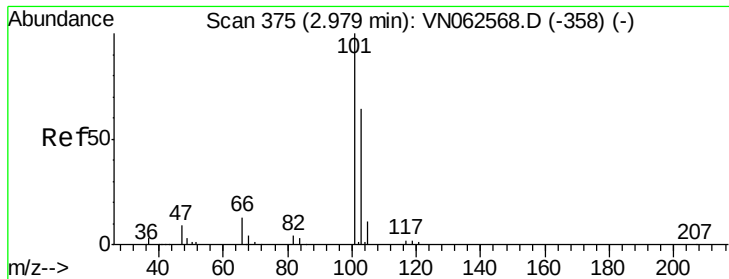
Tgt Ion: 64 Resp: 19800

Ion Ratio Lower Upper

64 100

66 34.2 25.8 38.8



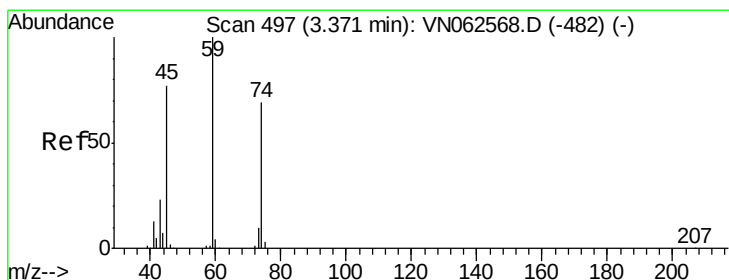
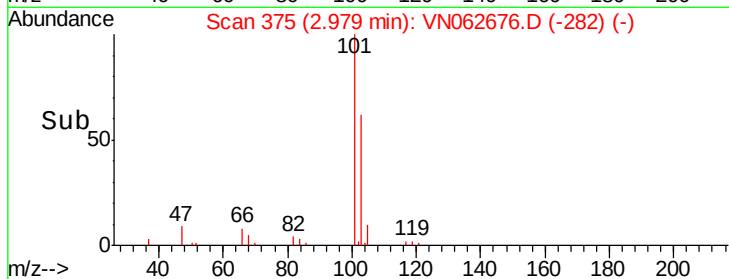
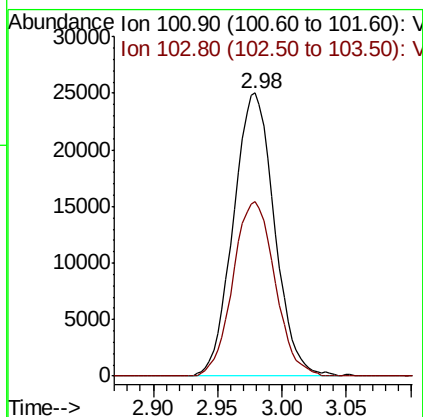
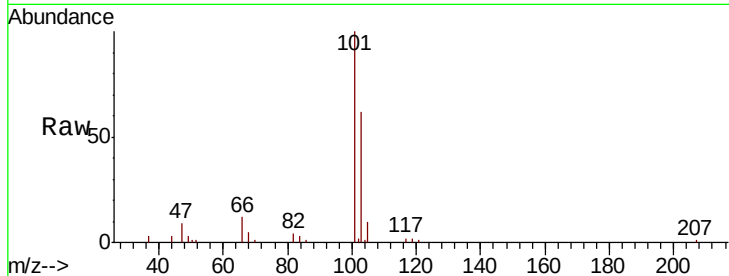


#7

Trichlorofluoromethane
 Concen: 21.634 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

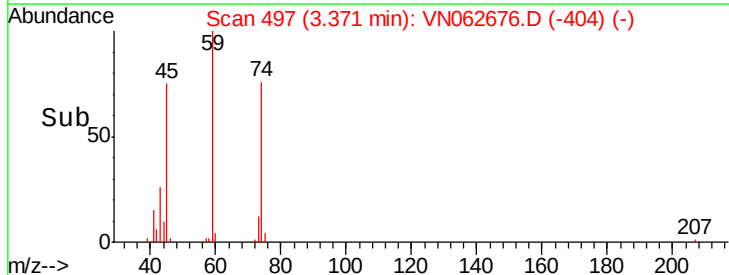
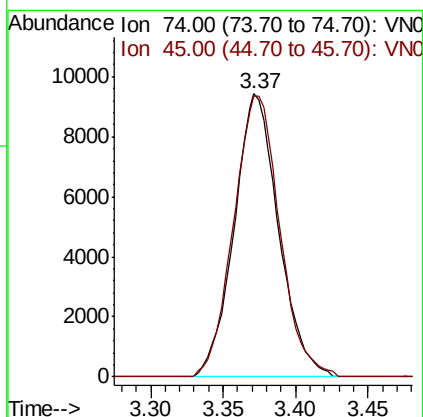
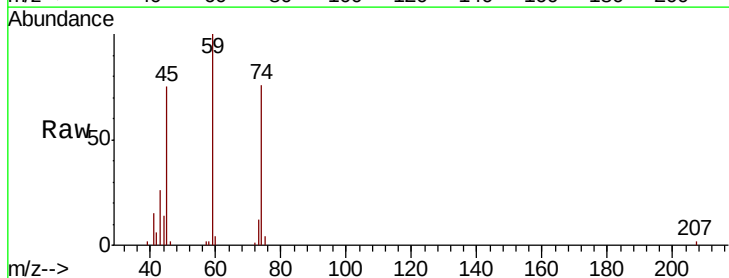
Tot Ion:101 Resp: 55497
 Ion Ratio Lower Upper
 101 100
 103 61.5 51.5 77.3

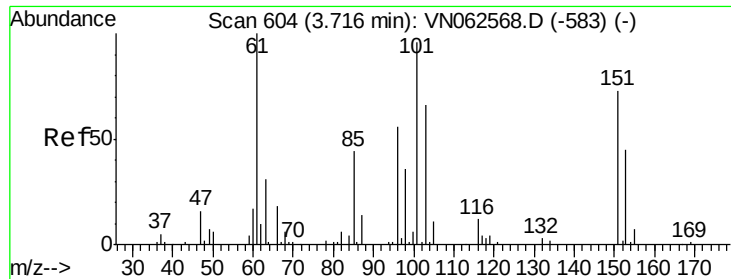


#8

Diethyl Ether
 Concen: 16.745 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion: 74 Resp: 20087
 Ion Ratio Lower Upper
 74 100
 45 103.0 55.3 165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.911 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

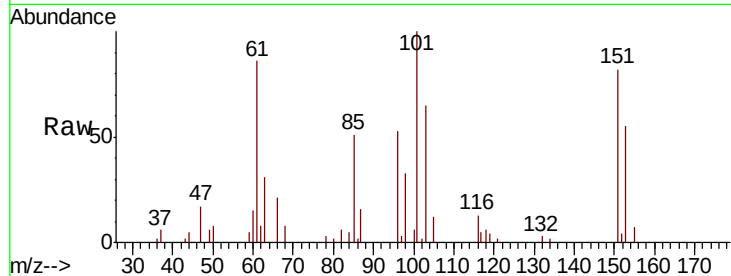
Tot Ion:101 Resp: 29459

Ion Ratio Lower Upper

101 100

85 49.0 36.0 54.0

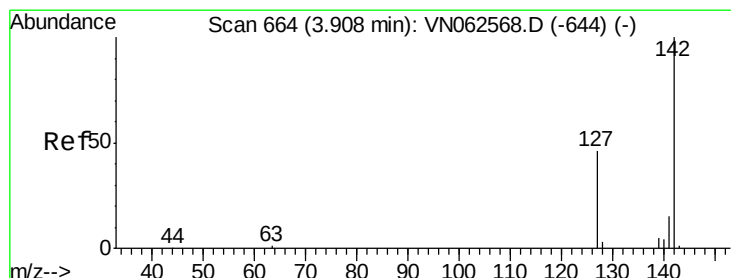
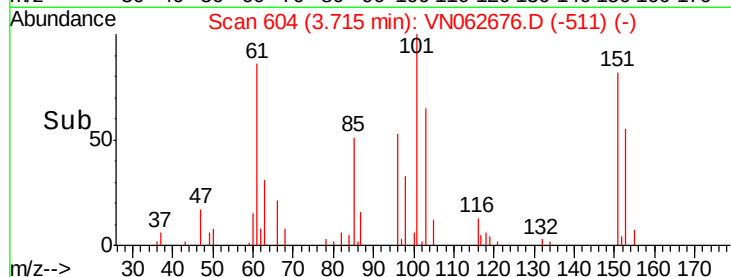
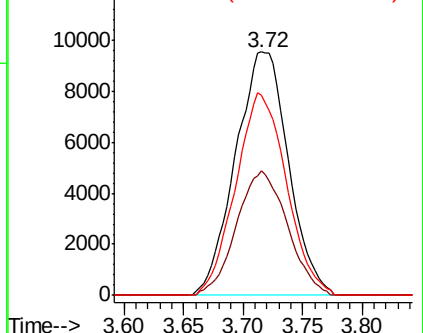
151 79.6 60.0 90.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.317 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

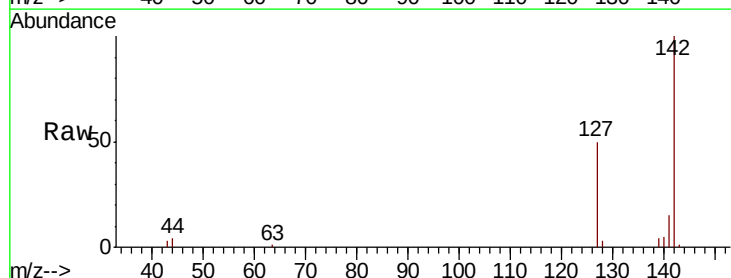
Tgt Ion:142 Resp: 38515

Ion Ratio Lower Upper

142 100

127 50.5 37.4 56.0

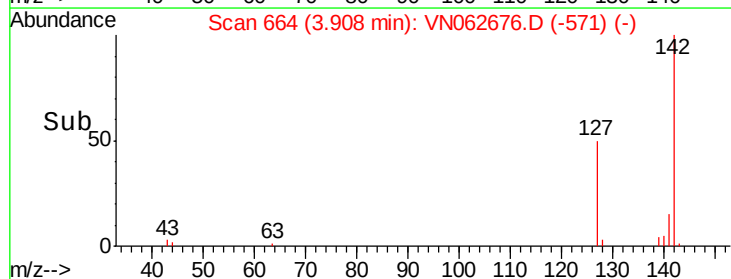
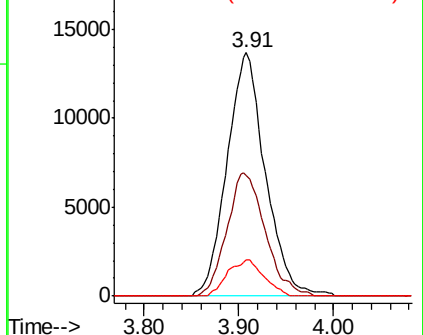
141 14.2 11.9 17.9

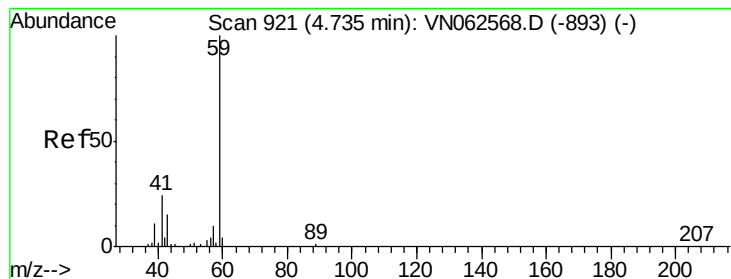


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.285 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

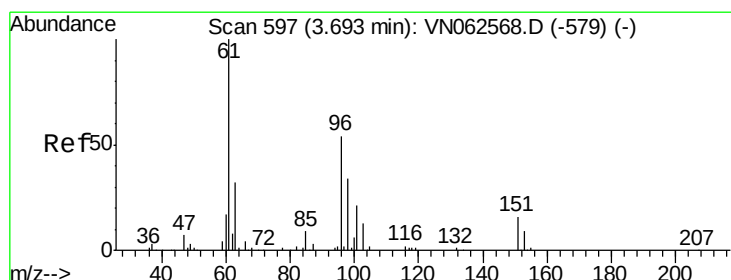
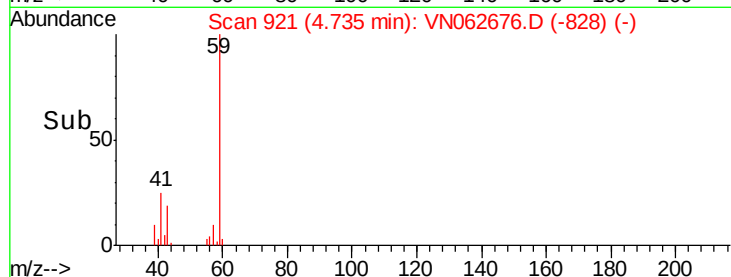
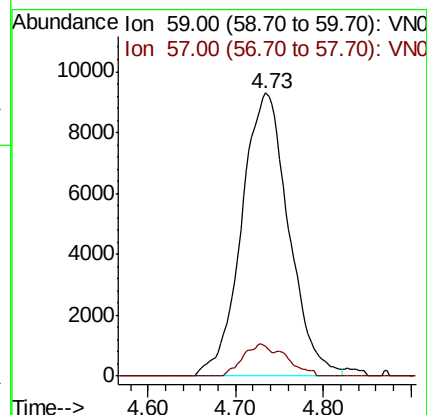
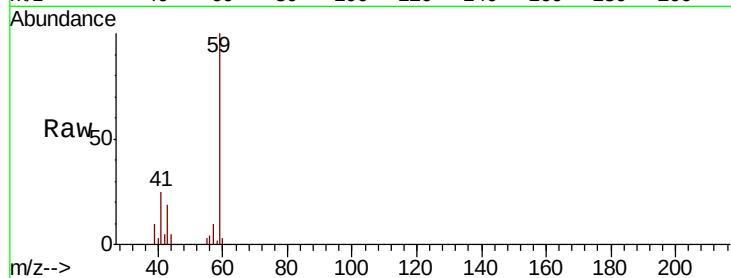
VN0731WBSD01

Tot Ion: 59 Resp: 34758

Ion Ratio Lower Upper

59 100

57 6.9 8.2 12.2#



#12

1,1-Dichloroethene

Concen: 17.039 ug/l

RT: 3.69 min Scan# 597

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

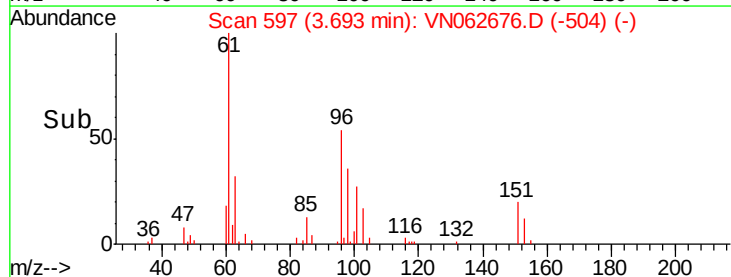
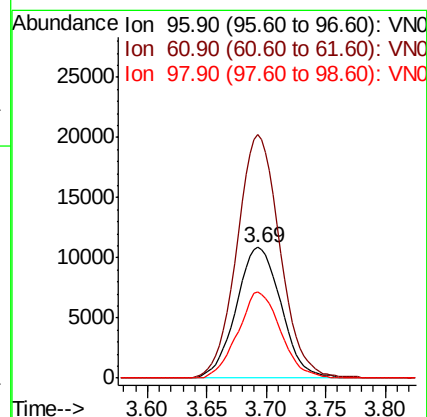
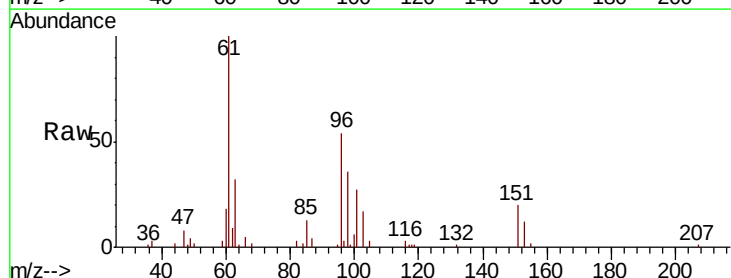
Tgt Ion: 96 Resp: 28422

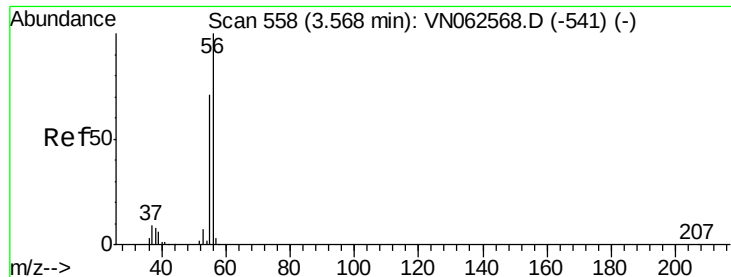
Ion Ratio Lower Upper

96 100

61 186.5 148.6 222.8

98 66.4 50.6 75.8





#13

Acrolein

Concen: 47.761 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

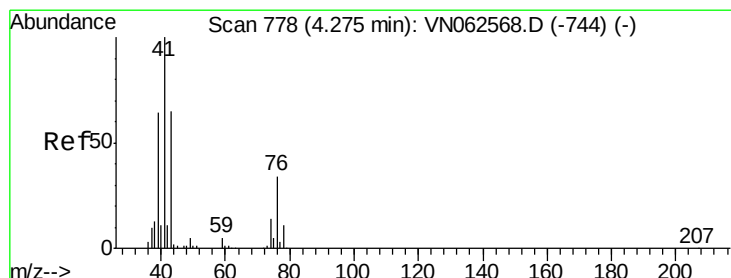
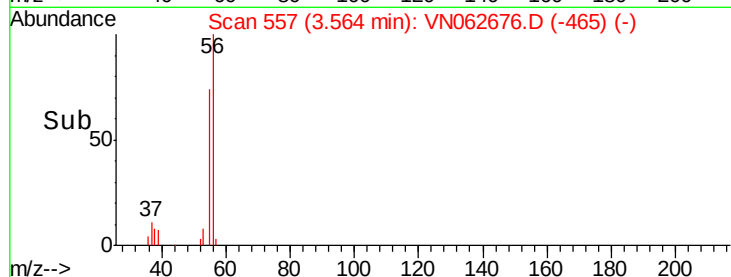
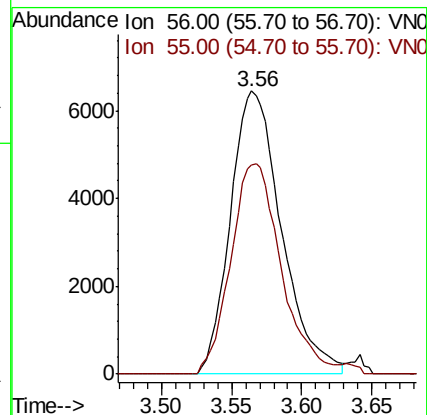
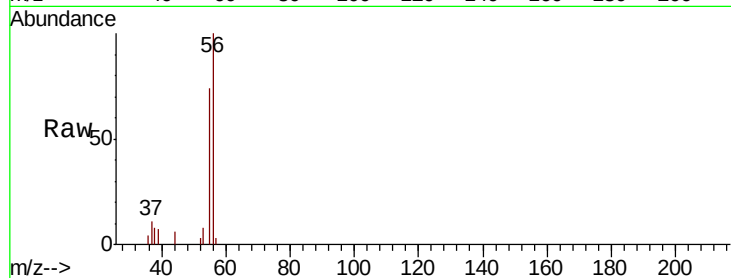
VN0731WBSD01

Tot Ion: 56 Resp: 16340

Ion Ratio Lower Upper

56 100

55 73.2 57.0 85.4



#14

Allyl chloride

Concen: 16.519 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

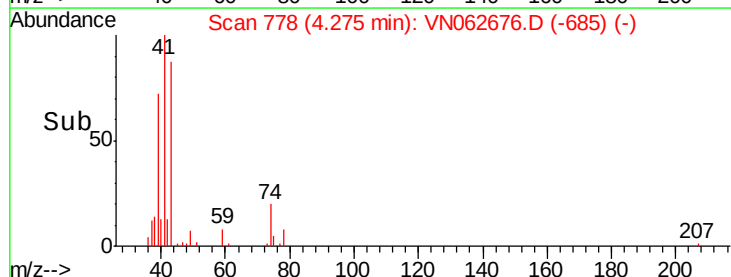
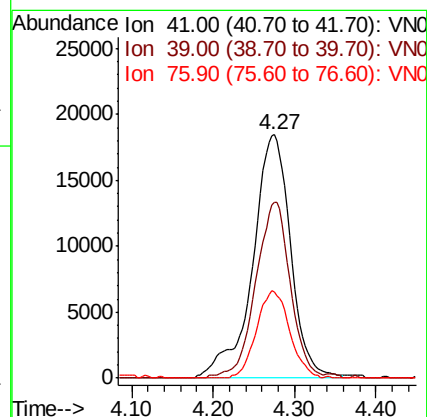
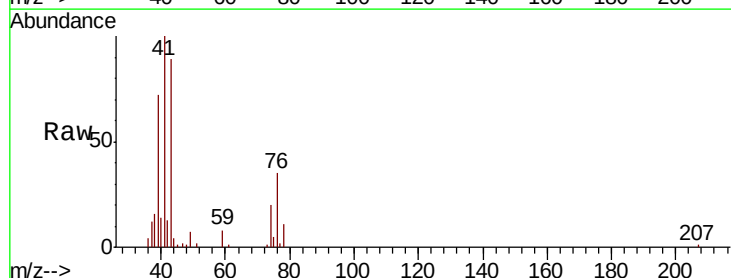
Tgt Ion: 41 Resp: 59605

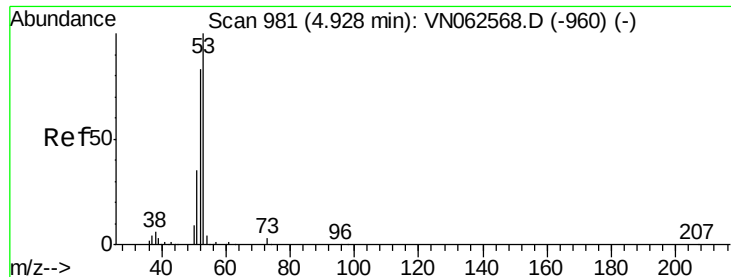
Ion Ratio Lower Upper

41 100

39 65.7 49.0 73.4

76 31.3 24.0 36.0





#15

Acrylonitrile

Concen: 92.267 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

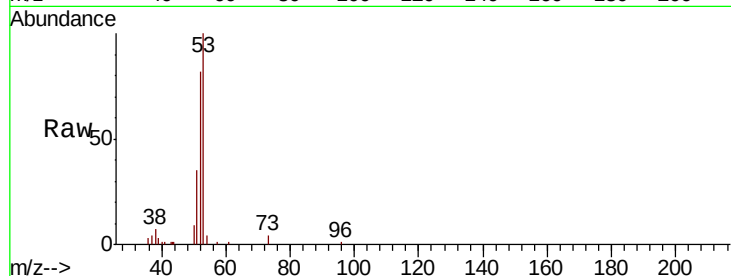
Tot Ion: 53 Resp: 95142

Ion Ratio Lower Upper

53 100

52 83.2 66.3 99.5

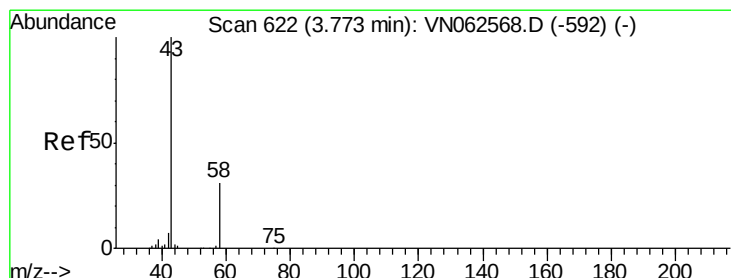
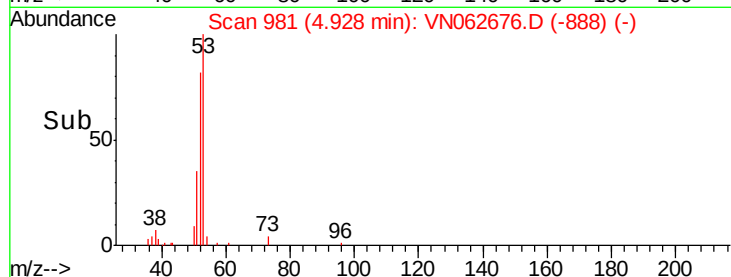
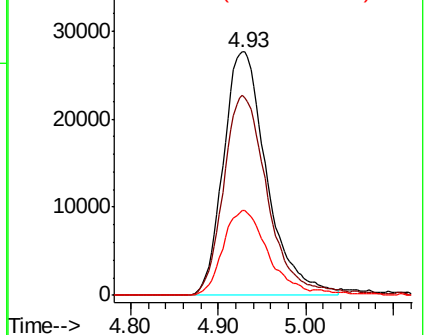
51 35.6 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 93.829 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062676.D

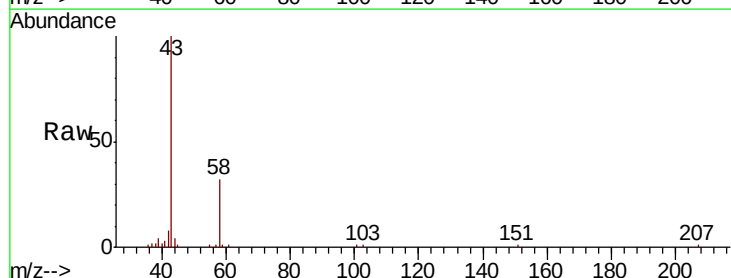
Acq: 31 Jul 2020 11:28

Tgt Ion: 43 Resp: 85448

Ion Ratio Lower Upper

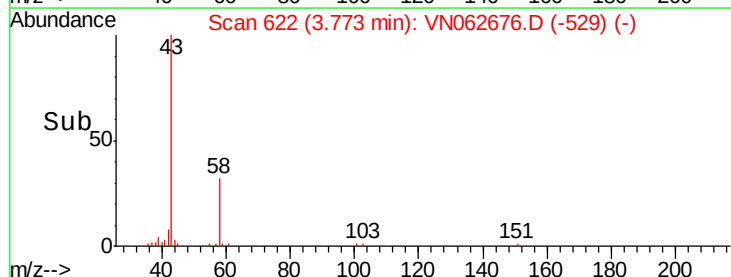
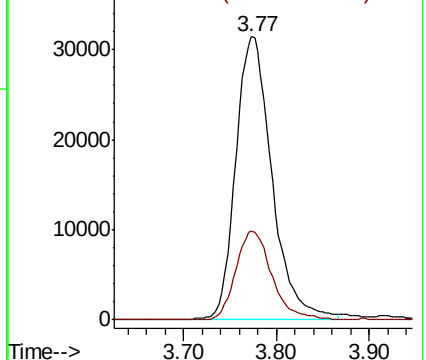
43 100

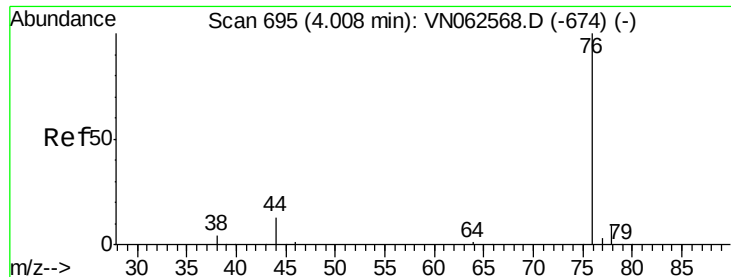
58 31.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 15.740 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

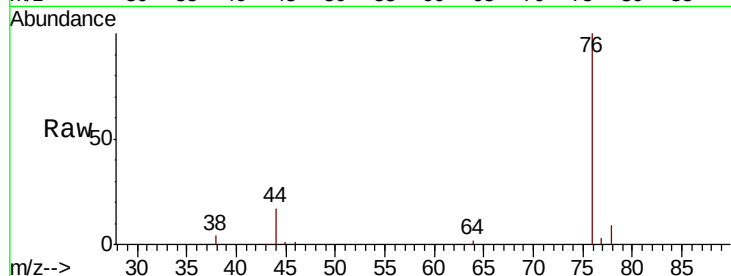
VN0731WBSD01

Tot Ion: 76 Resp: 86267

Ion Ratio Lower Upper

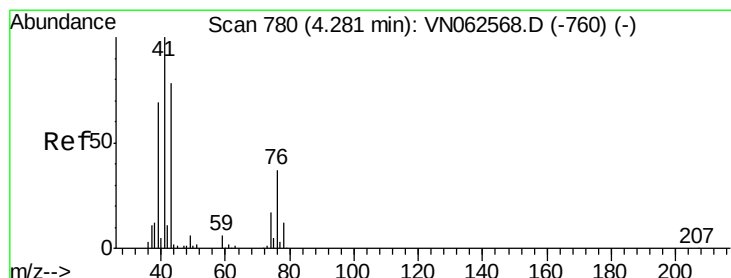
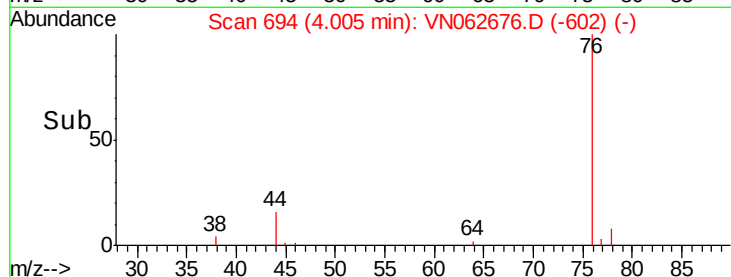
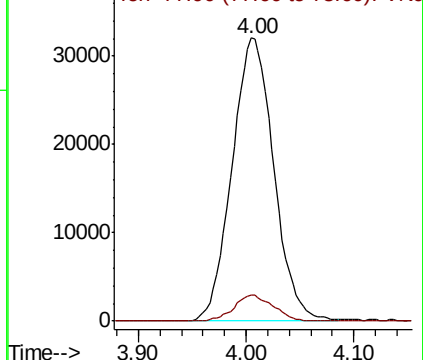
76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.189 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.01 min

Lab File: VN062676.D

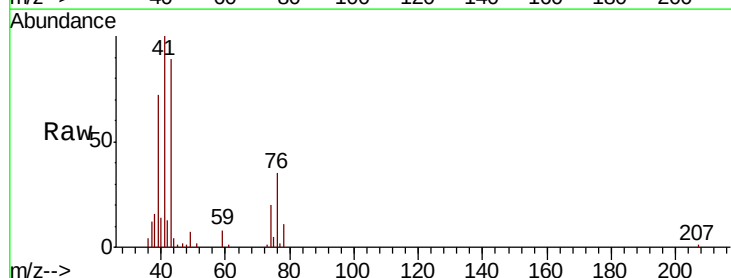
Acq: 31 Jul 2020 11:28

Tgt Ion: 43 Resp: 46544

Ion Ratio Lower Upper

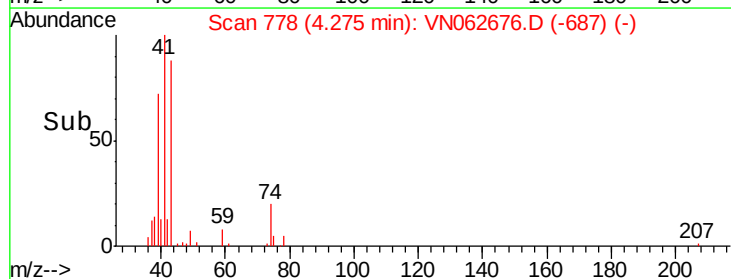
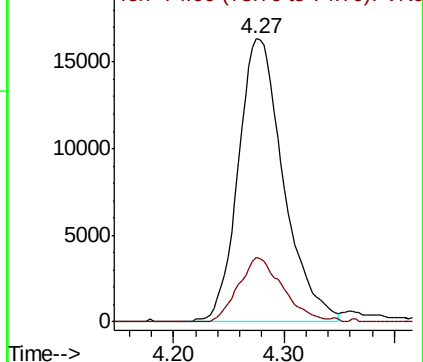
43 100

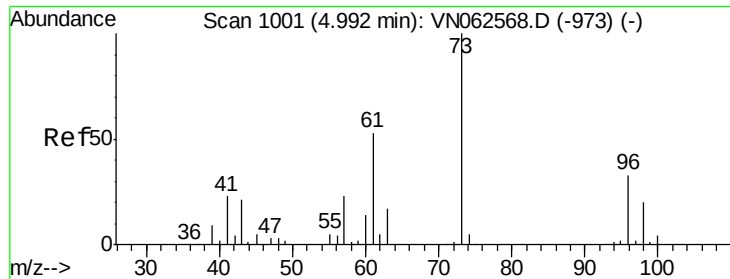
74 22.3 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

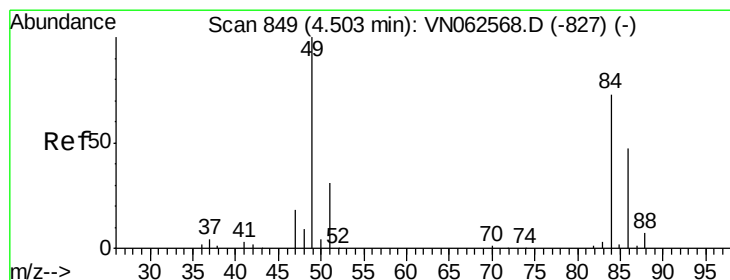
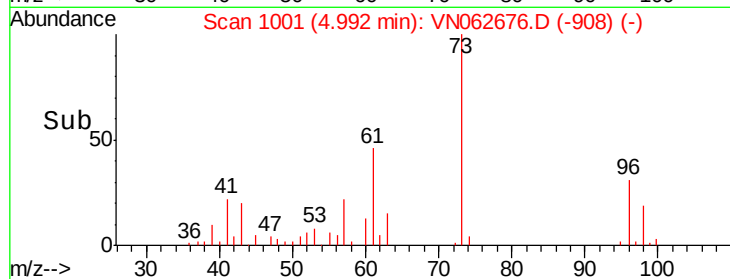
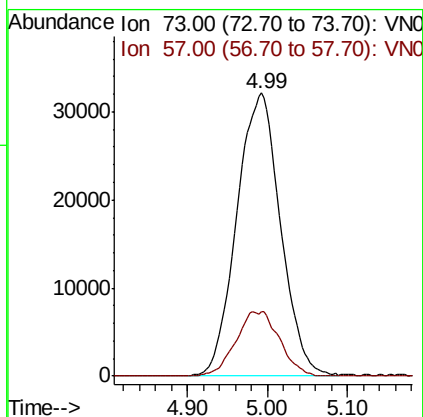
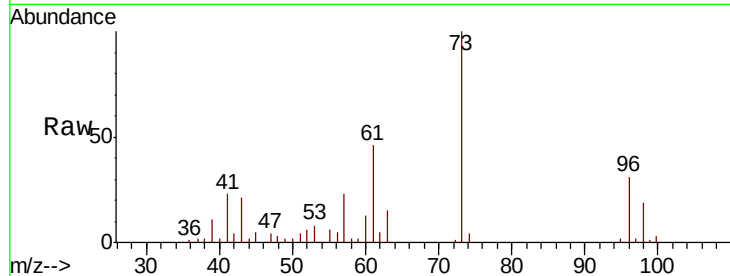




#19
Methyl tert-butyl Ether
Concen: 19.494 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

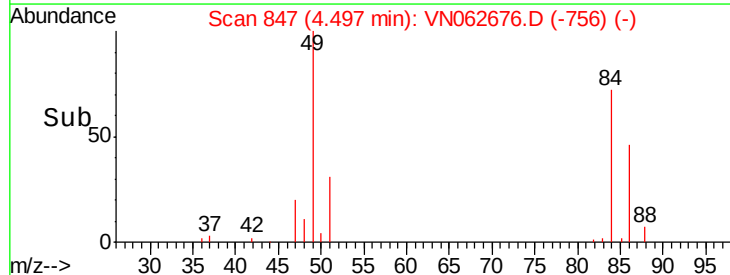
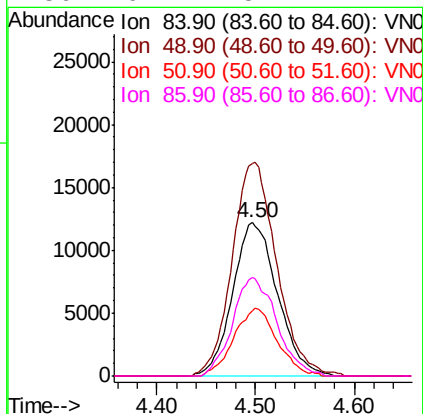
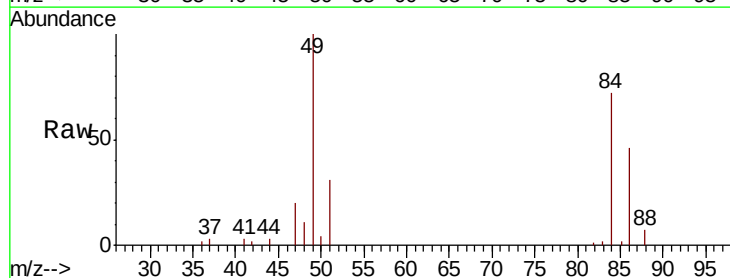
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

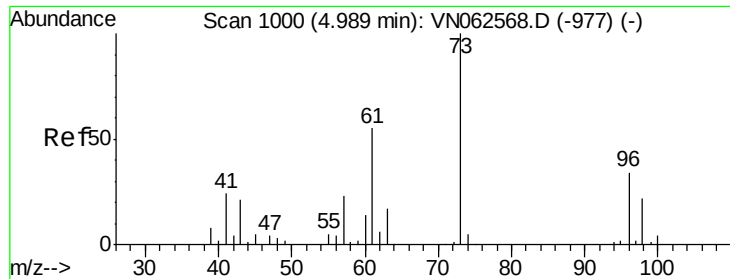
Tot Ion: 73 Resp: 119685
Ion Ratio Lower Upper
73 100
57 22.7 18.6 27.8



#20
Methylene Chloride
Concen: 17.605 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion: 84 Resp: 38452
Ion Ratio Lower Upper
84 100
49 138.5 109.4 164.0
51 42.9 33.6 50.4
86 64.4 51.4 77.2

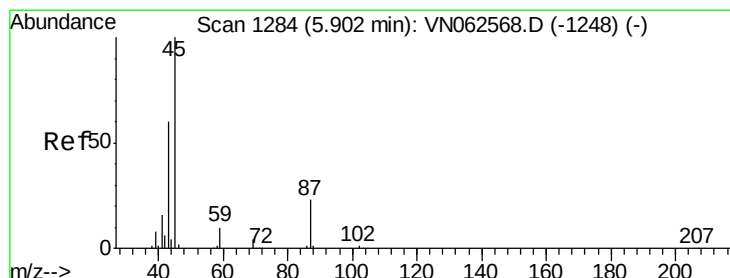
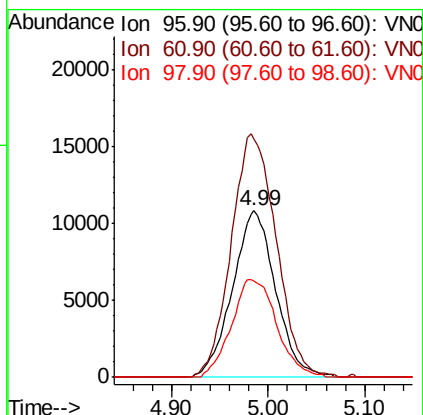
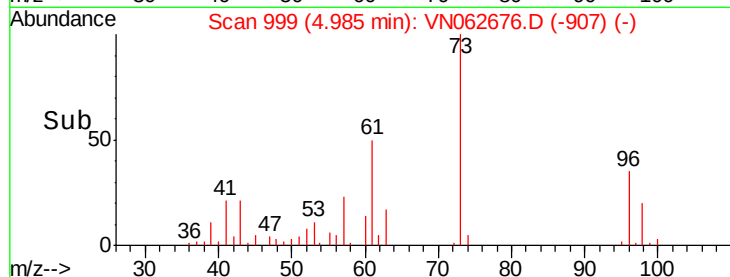
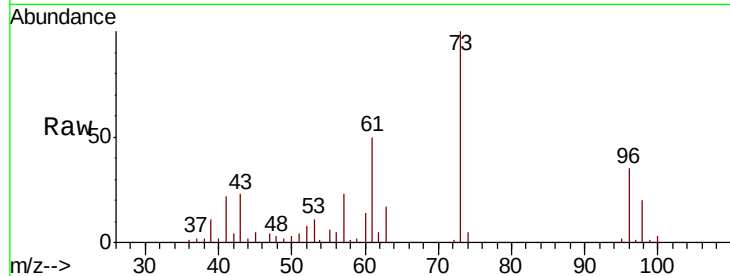




#21
trans-1,2-Dichloroethene
Concen: 18.135 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

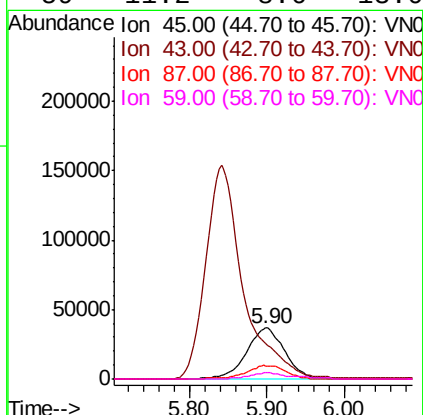
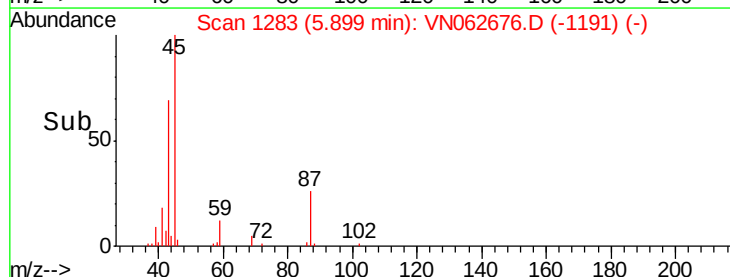
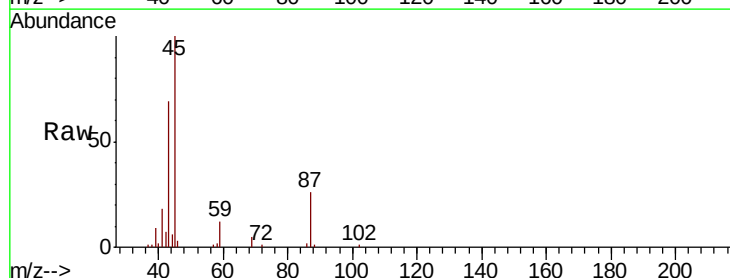
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

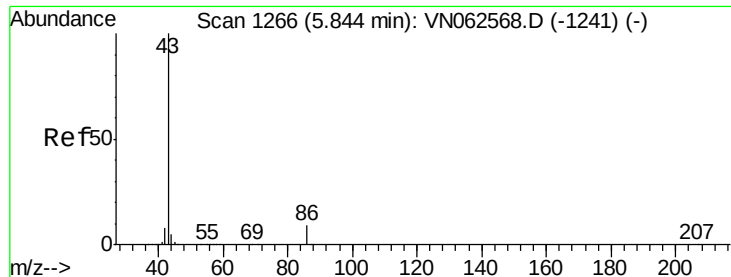
Tot Ion: 96 Resp: 33575
Ion Ratio Lower Upper
96 100
61 143.3 128.6 192.8
98 57.8 50.6 76.0



#22
Diisopropyl ether
Concen: 17.695 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion: 45 Resp: 126910
Ion Ratio Lower Upper
45 100
43 66.1 48.7 73.1
87 26.1 19.0 28.6
59 11.2 8.6 13.0





#23

Vinyl Acetate

Concen: 88.961 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleID :

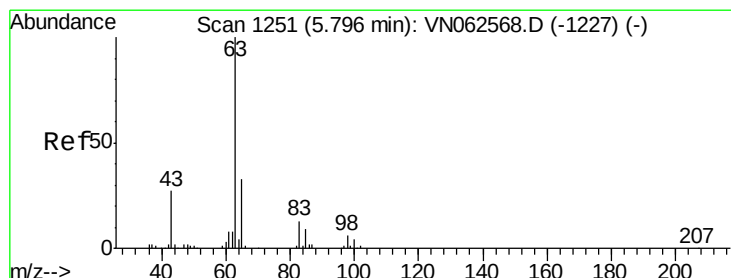
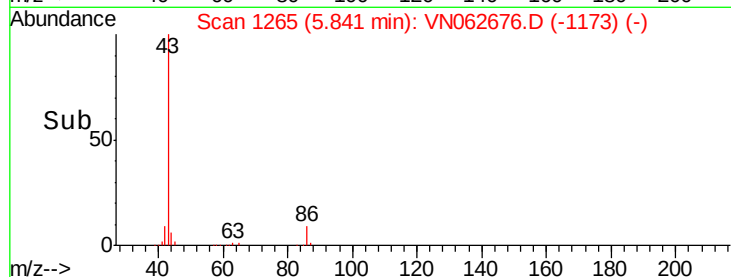
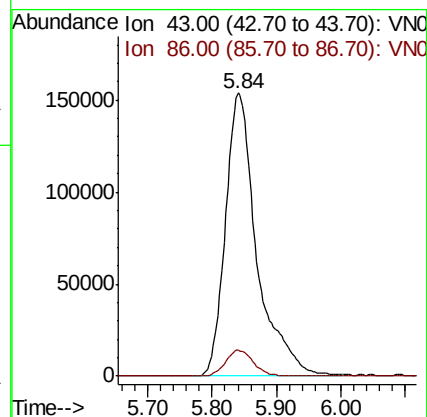
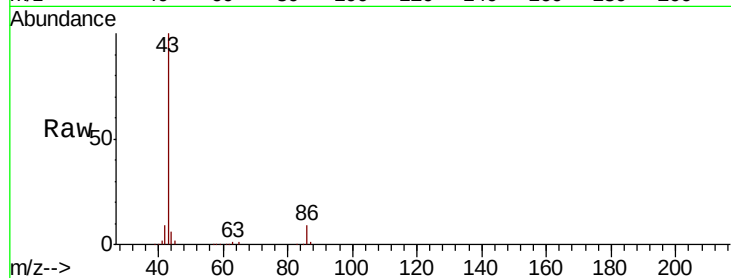
VN0731WBSD01

Tot Ion: 43 Resp: 522798

Ion Ratio Lower Upper

43 100

86 9.3 6.9 10.3



#24

1,1-Dichloroethane

Concen: 18.189 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

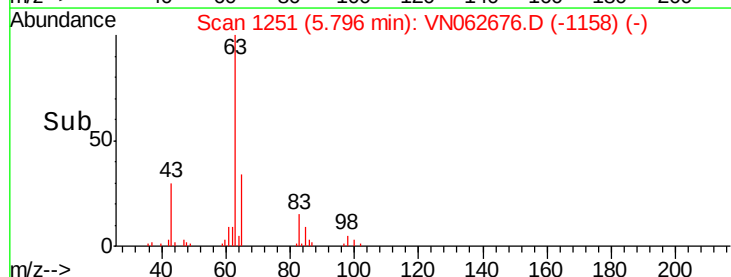
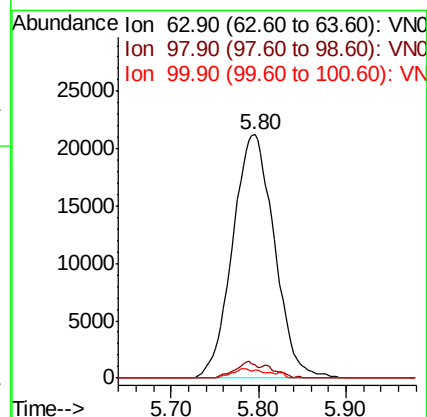
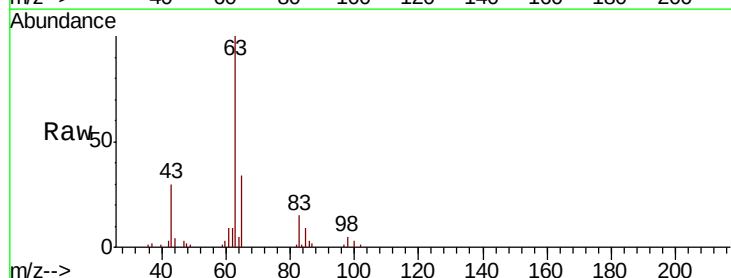
Tgt Ion: 63 Resp: 70248

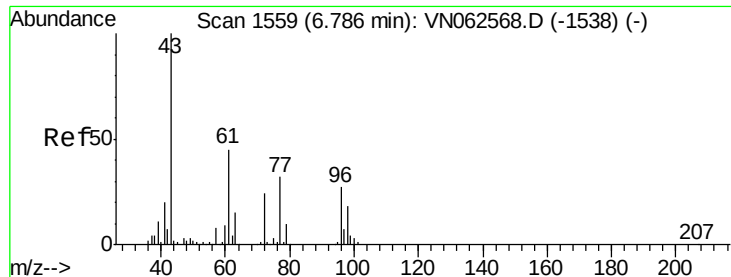
Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.8

100 3.1 1.8 5.4

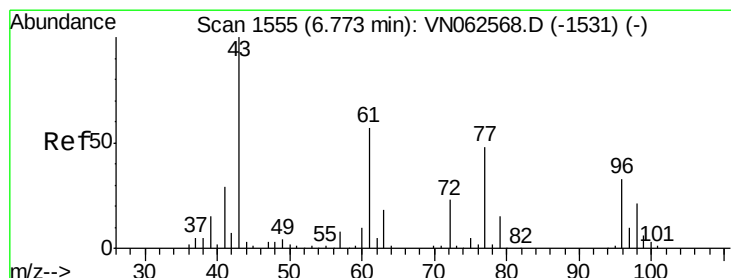
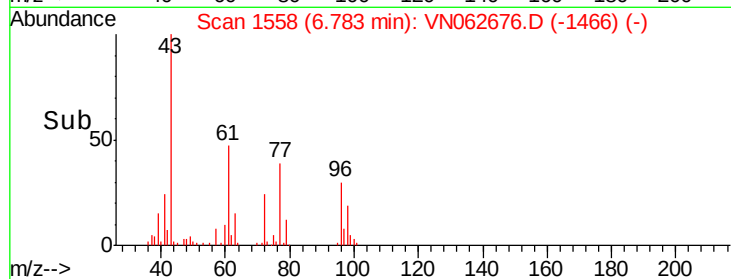
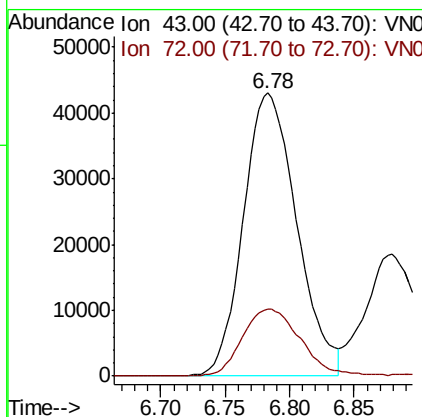
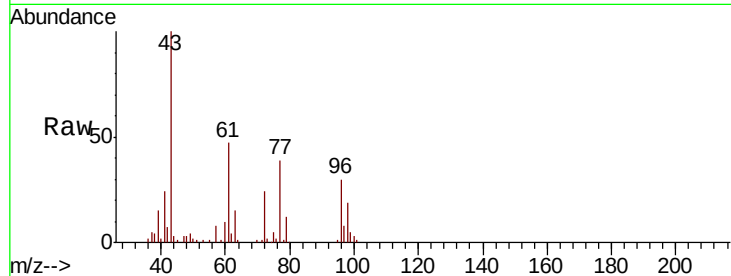




#25
 2-Butanone
 Concen: 89.558 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

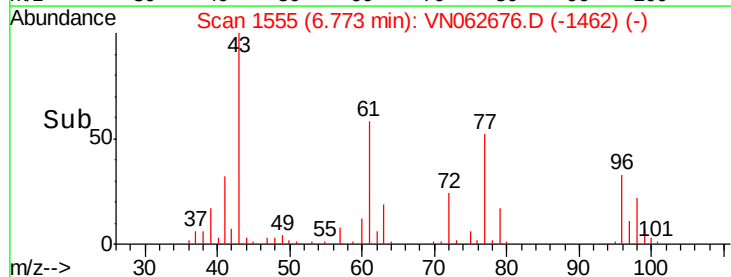
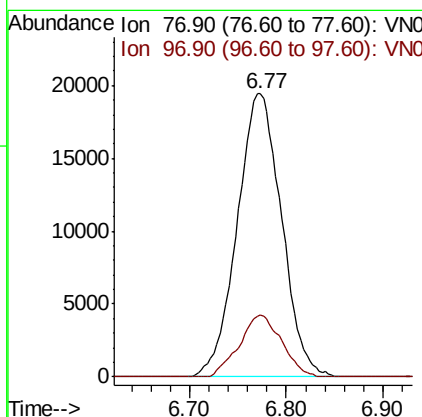
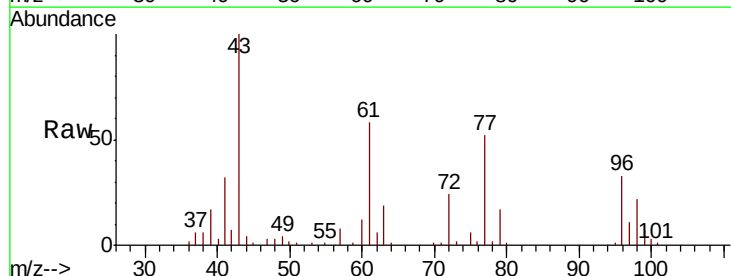
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

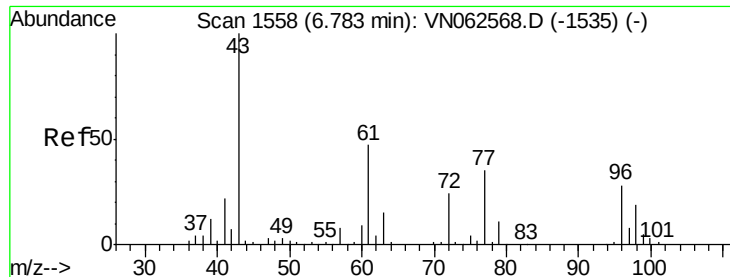
Tot Ion: 43 Resp: 124211
 Ion Ratio Lower Upper
 43 100
 72 23.8 19.0 28.6



#26
 2,2-Dichloropropane
 Concen: 19.509 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion: 77 Resp: 61852
 Ion Ratio Lower Upper
 77 100
 97 20.8 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 18.044 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

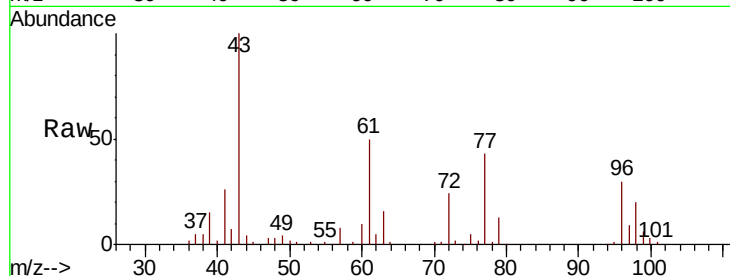
Tot Ion: 96 Resp: 38119

Ion Ratio Lower Upper

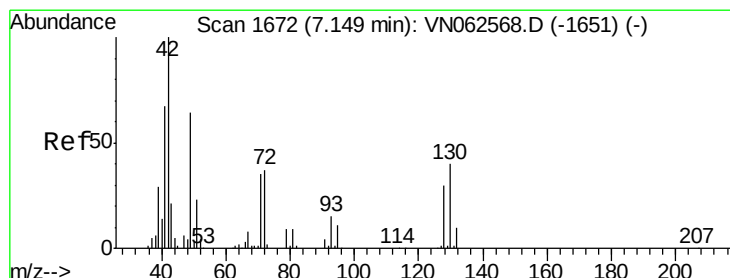
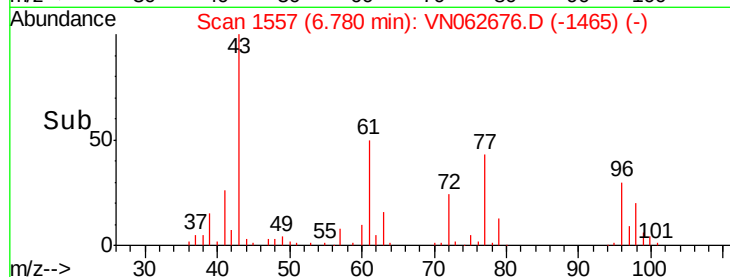
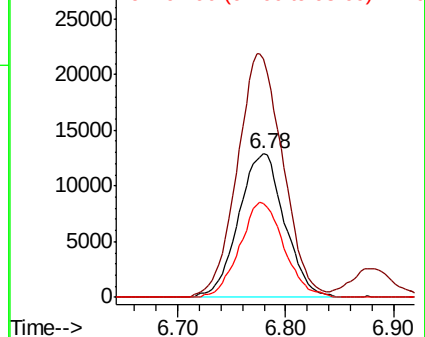
96 100

61 168.1 0.0 332.4

98 63.7 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: 18.427 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

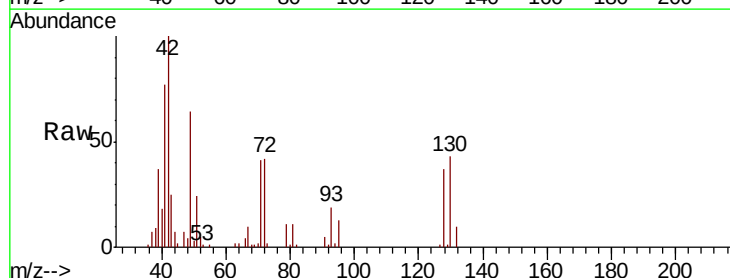
Tgt Ion: 49 Resp: 35024

Ion Ratio Lower Upper

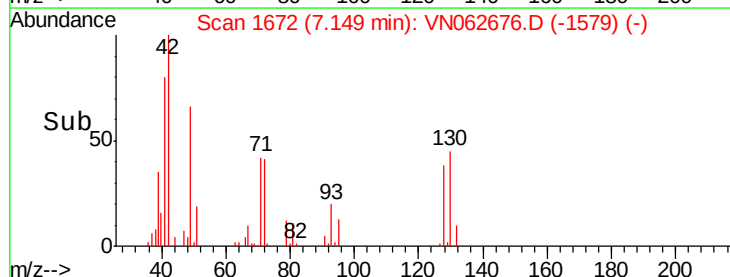
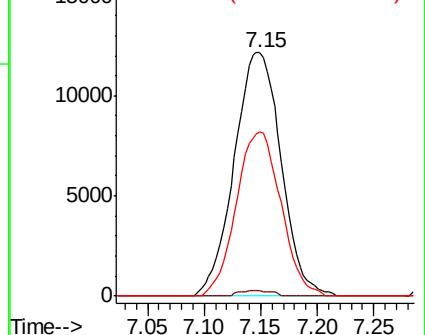
49 100

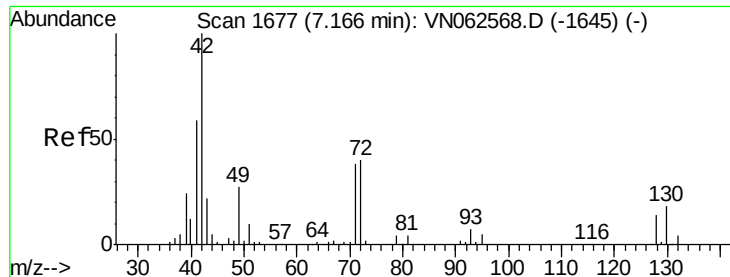
129 1.6 0.0 3.4

130 64.2 49.8 74.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

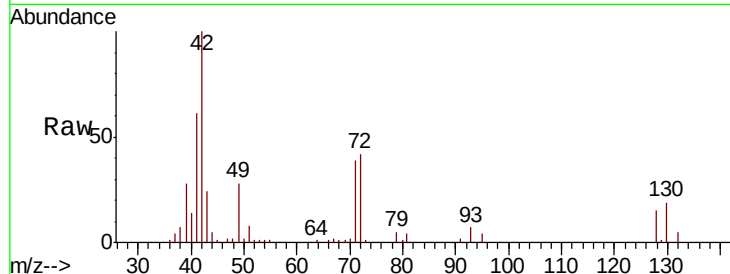




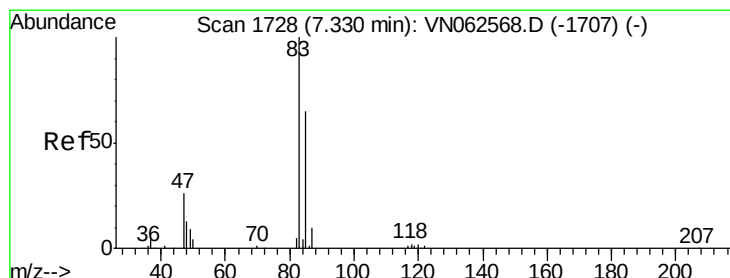
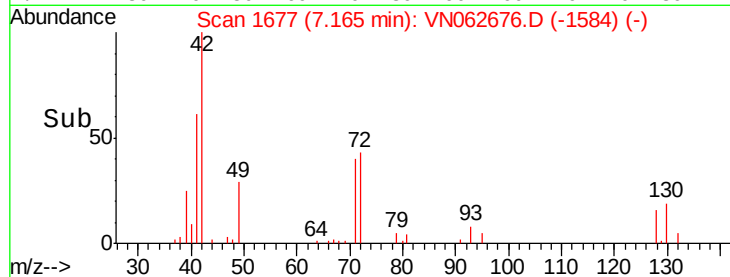
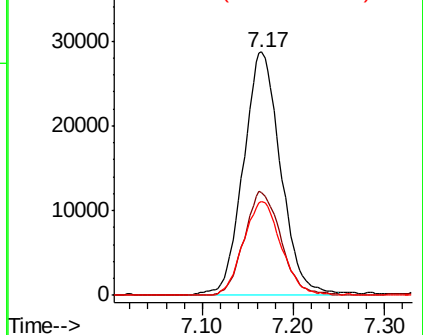
#29
Tetrahydrofuran
Concen: 87.170 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	42	Resp	81808
Ion Ratio	Lower	Upper	
42	100		
72	42.2	30.7	46.1
71	38.8	29.1	43.7

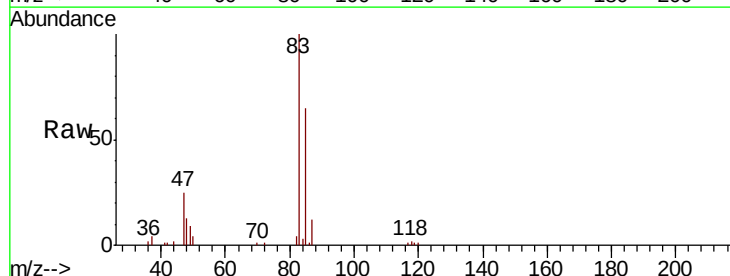


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

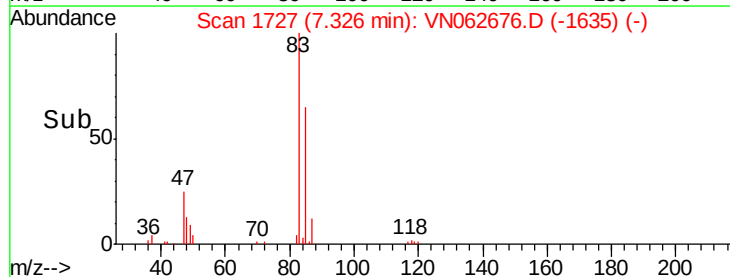
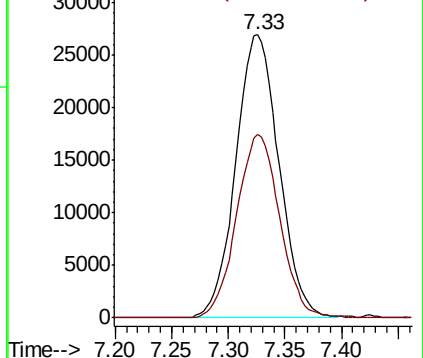


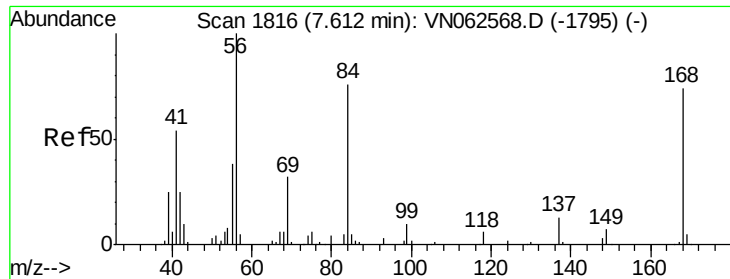
#30
Chloroform
Concen: 19.450 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion	83	Resp	71422
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.0	78.0



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

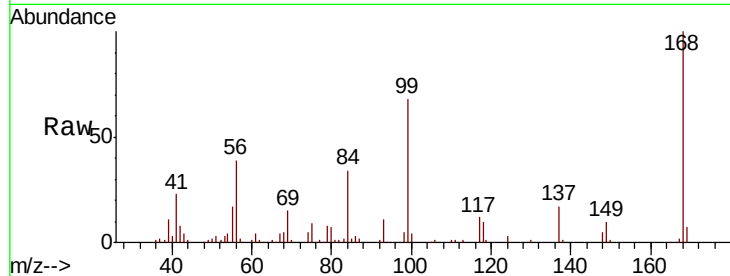




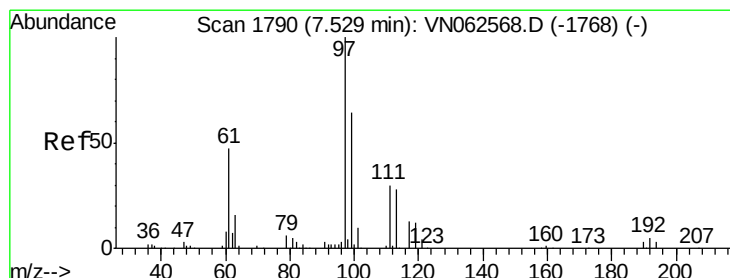
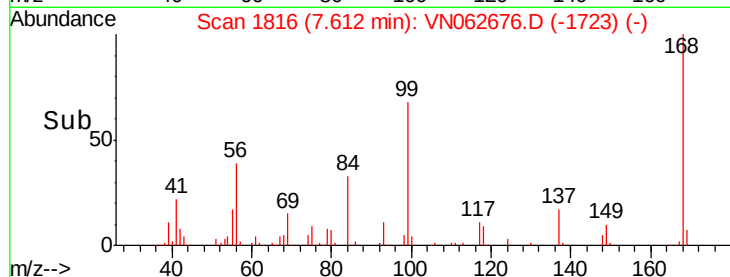
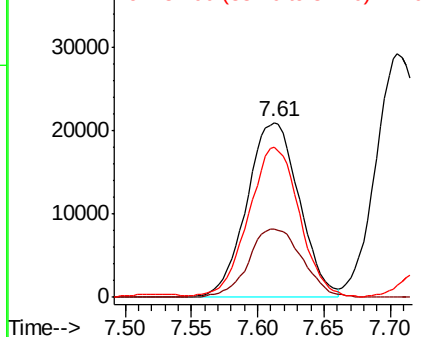
#31
Cyclohexane
Concen: 16.258 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion: 56 Resp: 57973
Ion Ratio Lower Upper
56 100
69 38.9 25.3 37.9#
84 85.0 61.0 91.4

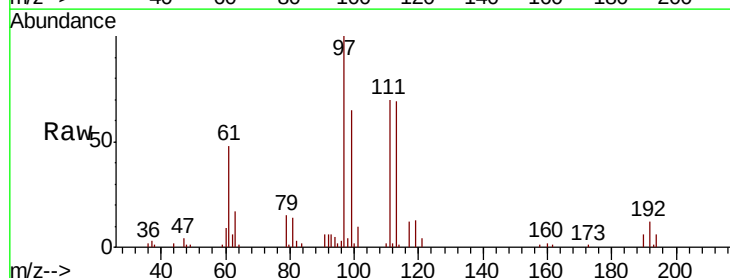


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

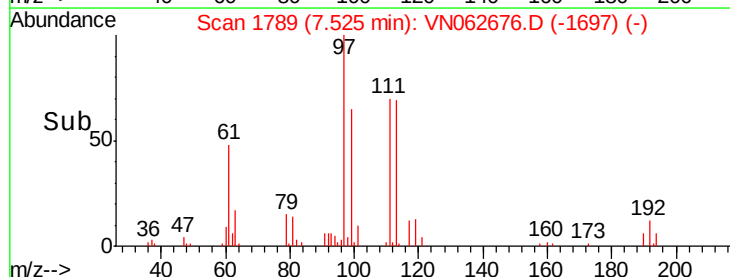
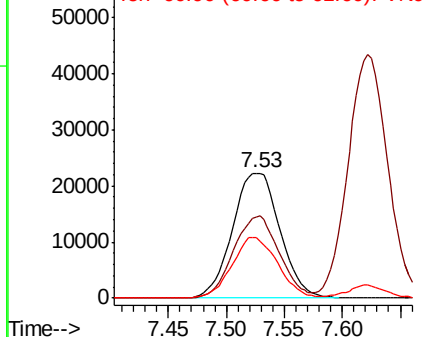


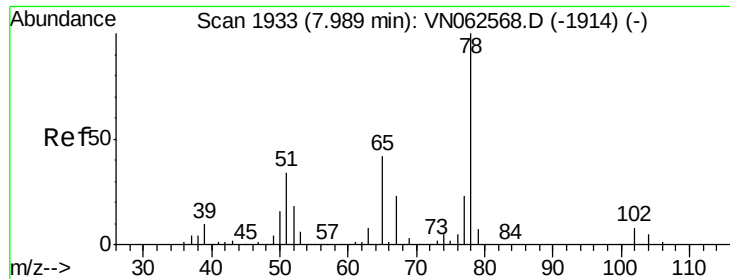
#32
1,1,1-Trichloroethane
Concen: 20.650 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion: 97 Resp: 63310
Ion Ratio Lower Upper
97 100
99 63.2 51.2 76.8
61 46.8 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

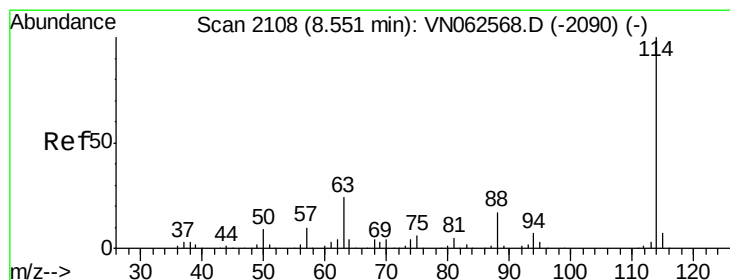
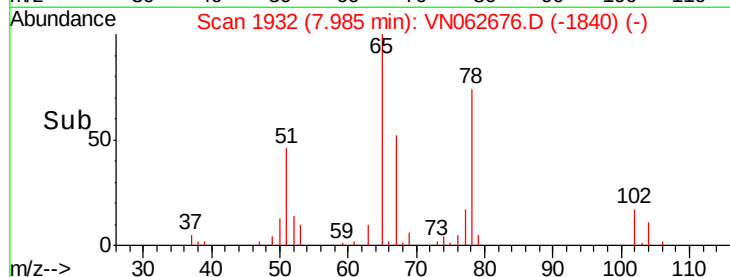
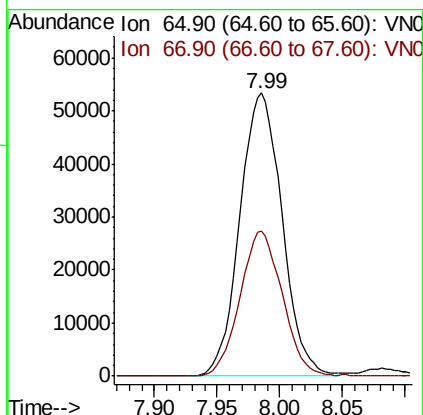
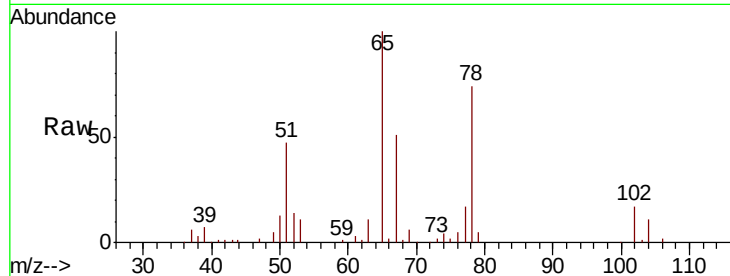




#33
 1,2-Dichloroethane-d4
 Concen: 51.580 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

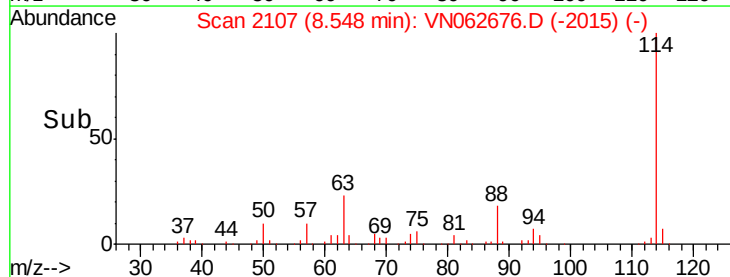
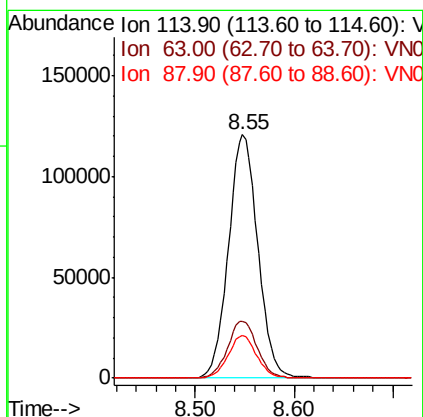
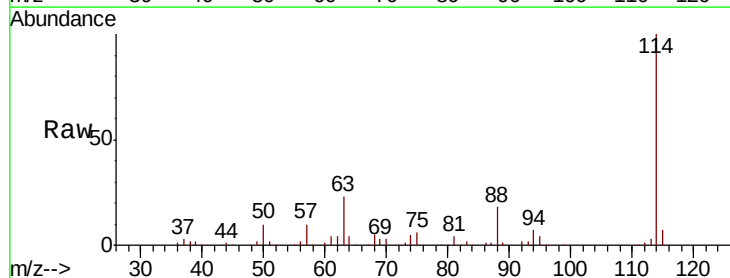
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

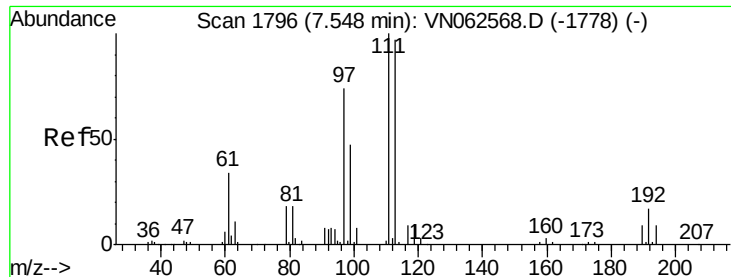
Tot Ion: 65 Resp: 124825
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion: 114 Resp: 251073
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 48.4
 88 17.6 0.0 33.8

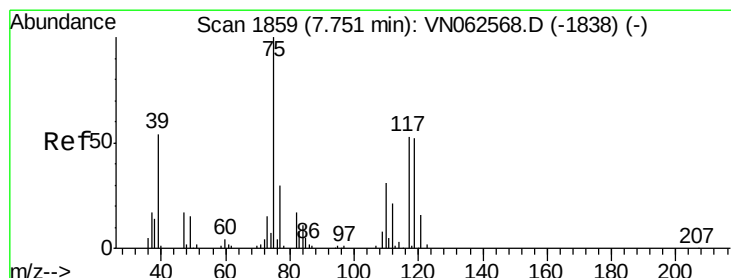
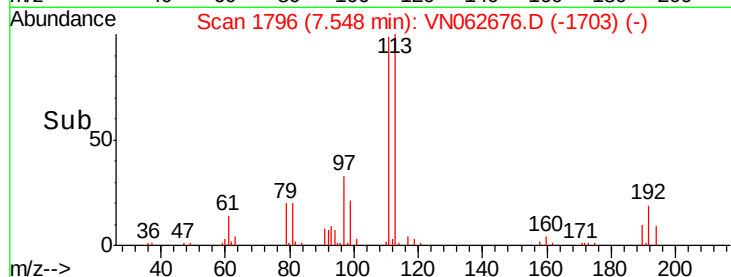
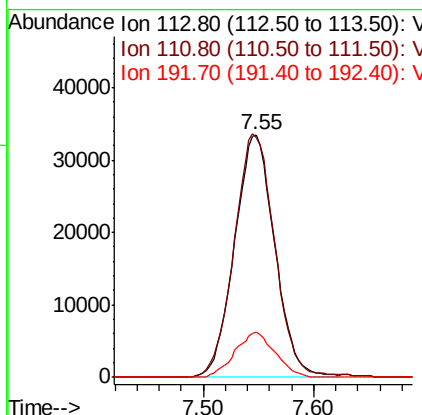
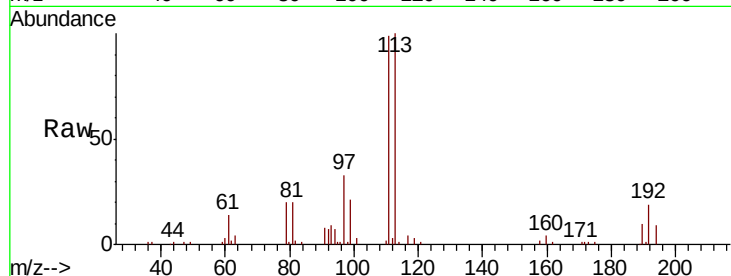




#35
 Dibromofluoromethane
 Concen: 51.256 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

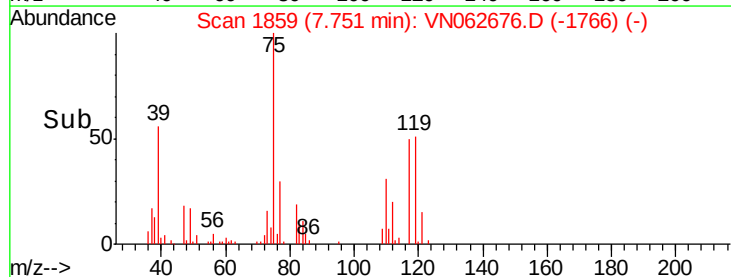
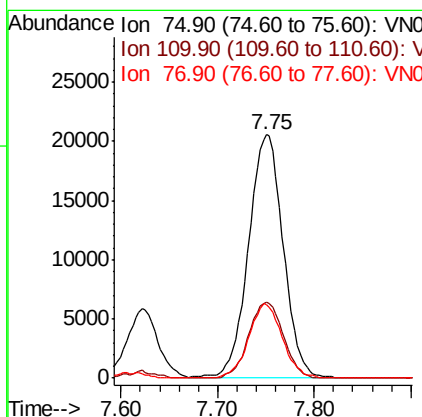
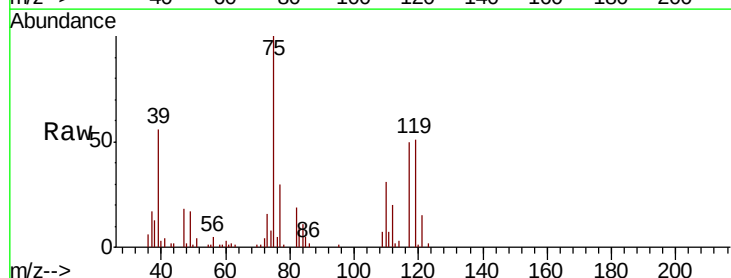
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

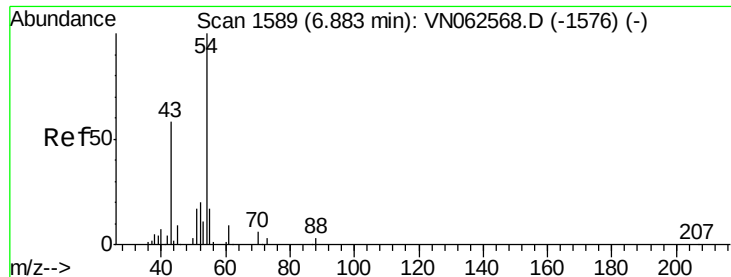
Tot Ion:113 Resp: 84531
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 18.5 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 19.184 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion: 75 Resp: 51341
 Ion Ratio Lower Upper
 75 100
 110 30.9 16.0 48.0
 77 29.6 24.6 36.8

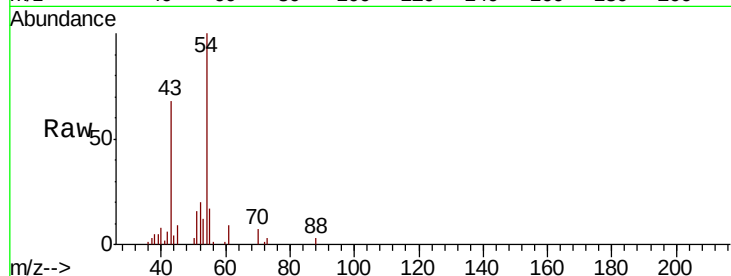




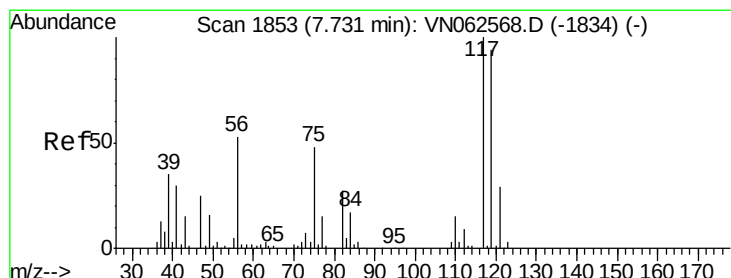
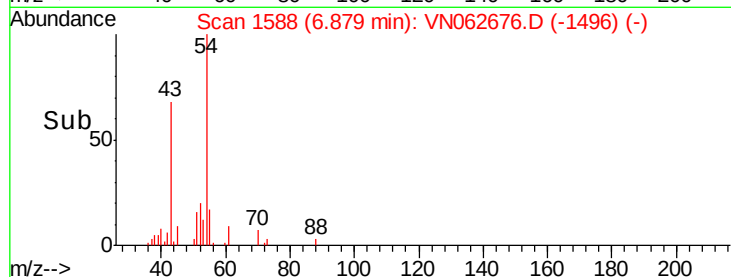
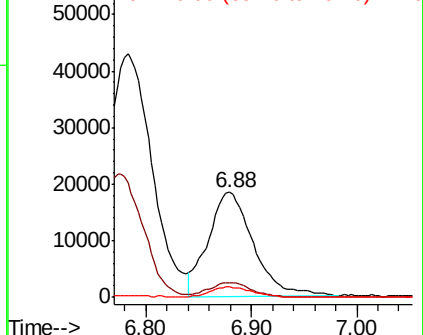
#37
Ethyl Acetate
Concen: 18.806 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Instrument :
MSVOA_N
ClientSampleID :
VN0731WBSD01

Tot Ion: 43 Resp: 54251
Ion Ratio Lower Upper
43 100
61 13.6 11.3 16.9
70 9.4 7.7 11.5

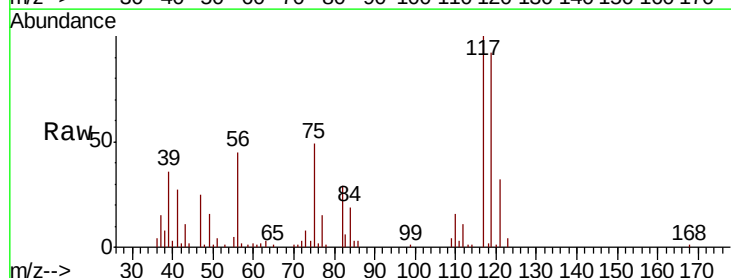


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

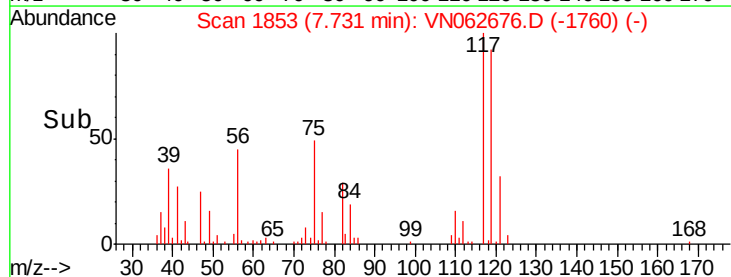
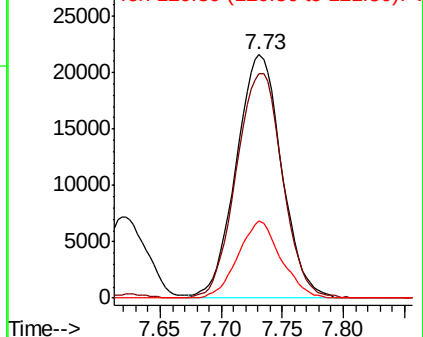


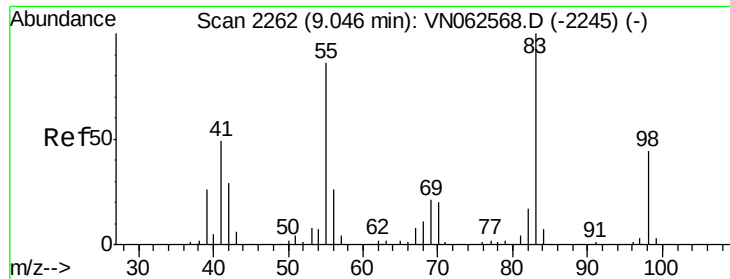
#38
Carbon Tetrachloride
Concen: 21.650 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion: 117 Resp: 55691
Ion Ratio Lower Upper
117 100
119 91.9 74.8 112.2
121 31.6 23.0 34.6



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

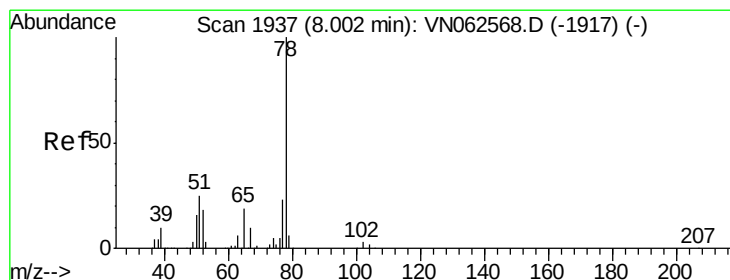
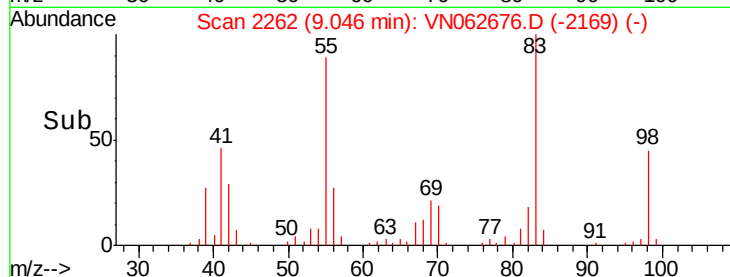
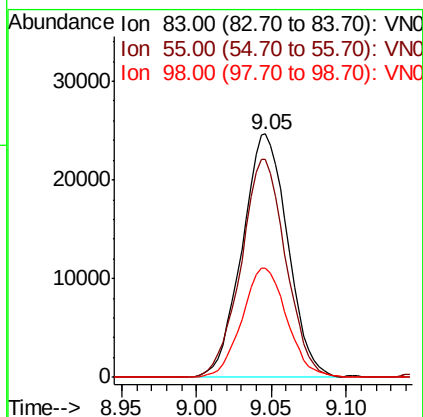
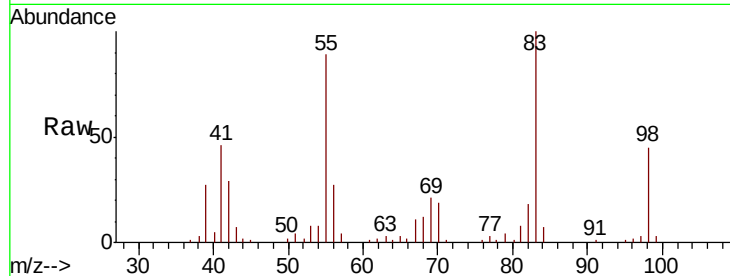




#39
Methylvlcyclohexane
Concen: 18.152 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

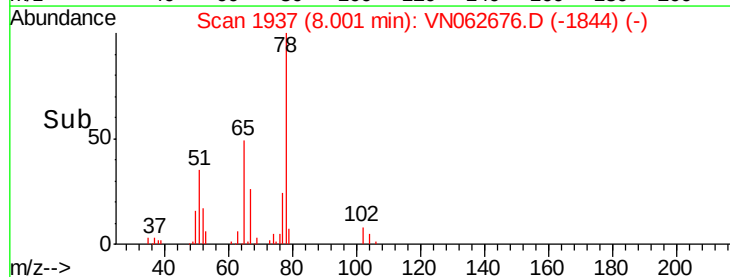
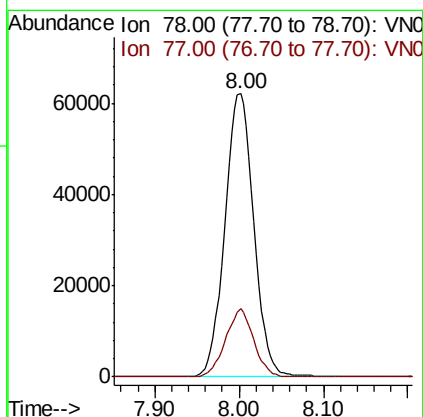
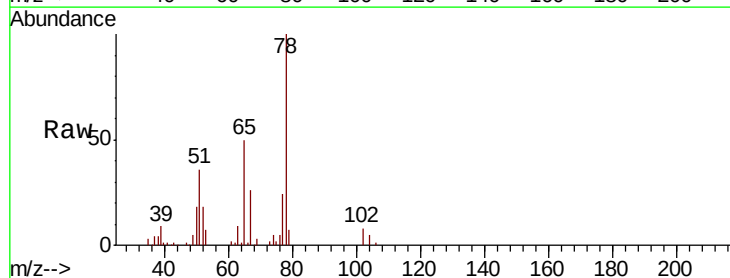
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

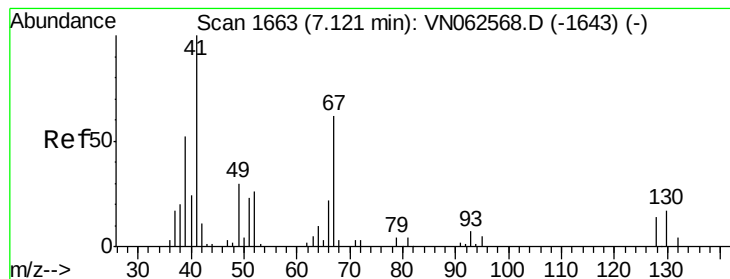
Tot Ion: 83 Resp: 52293
Ion Ratio Lower Upper
83 100
55 89.4 68.9 103.3
98 45.1 35.1 52.7



#40
Benzene
Concen: 18.272 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion: 78 Resp: 148043
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1





#41

Methacrylonitrile

Concen: 16.394 ug/l

RT: 7.12 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 41 Resp: 20269

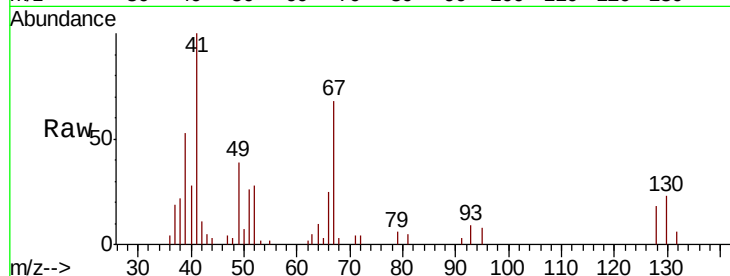
Ion Ratio Lower Upper

41 100

39 54.6 55.8 83.6#

67 98.5 72.5 108.7

52 46.2 31.8 47.8

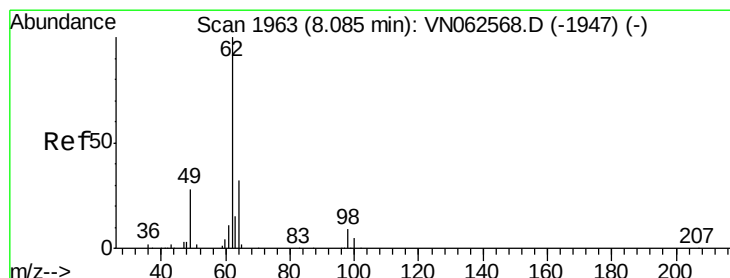
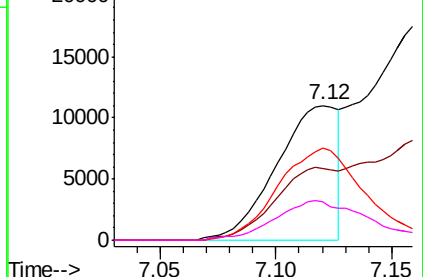
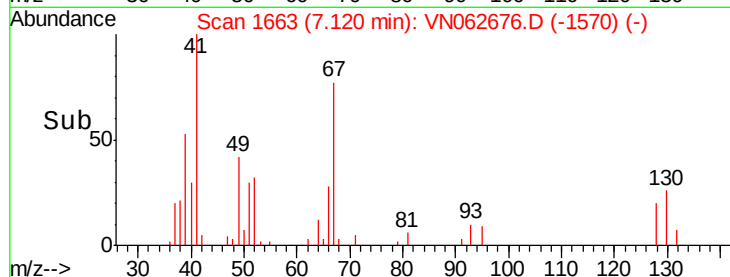


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.263 ug/l

RT: 8.08 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VN062676.D

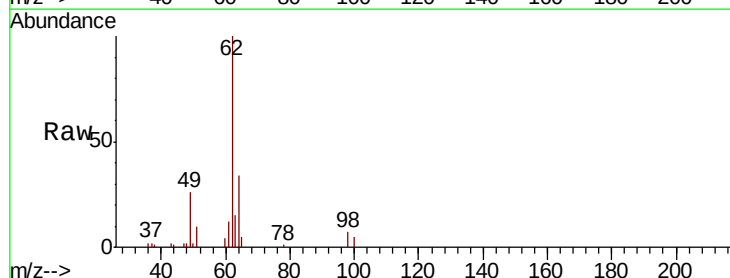
Acq: 31 Jul 2020 11:28

Tgt Ion: 62 Resp: 62981

Ion Ratio Lower Upper

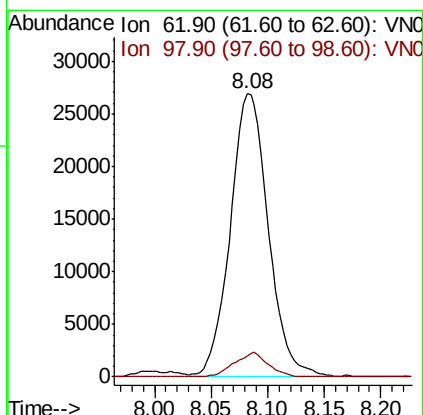
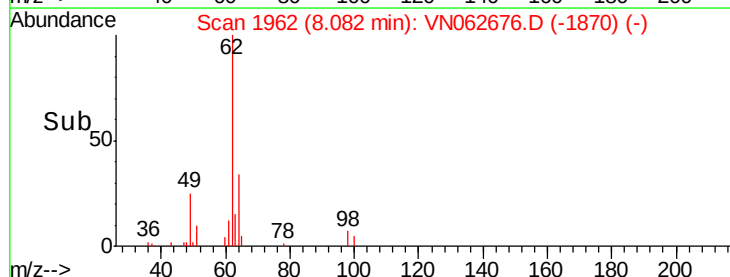
62 100

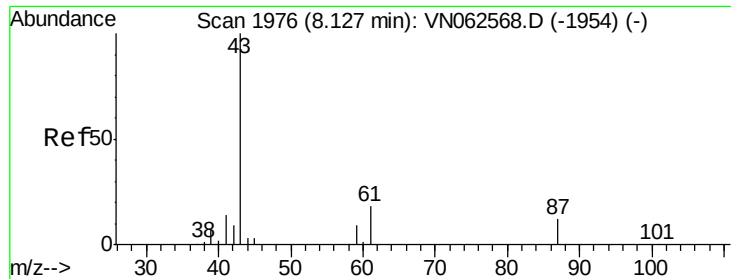
98 7.6 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.888 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

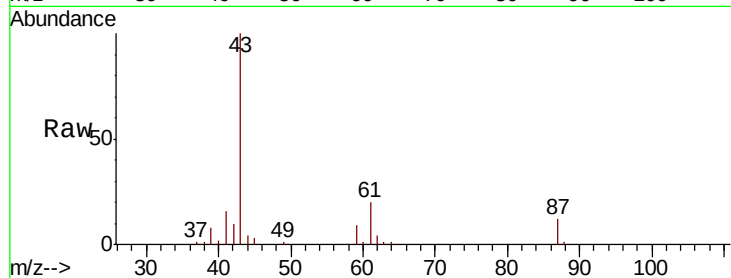
Tot Ion: 43 Resp: 87839

Ion Ratio Lower Upper

43 100

61 19.9 20.8 31.2#

87 12.2 9.2 13.8



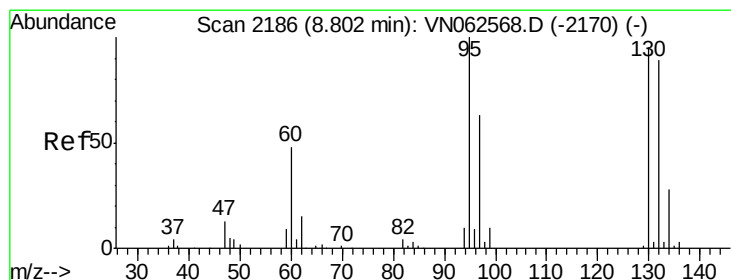
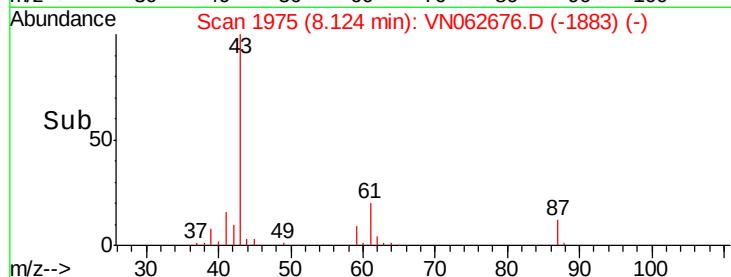
Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-1954) (-)

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

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

8.12

Time-->



#44

Trichloroethene

Concen: 18.863 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062676.D

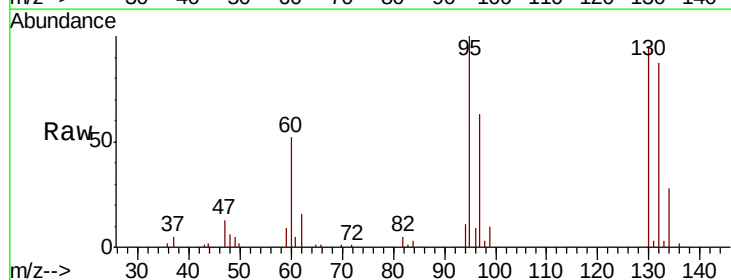
Acq: 31 Jul 2020 11:28

Tgt Ion:130 Resp: 34465

Ion Ratio Lower Upper

130 100

95 105.7 0.0 210.4

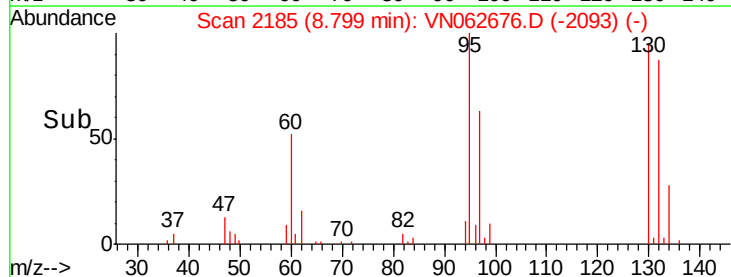


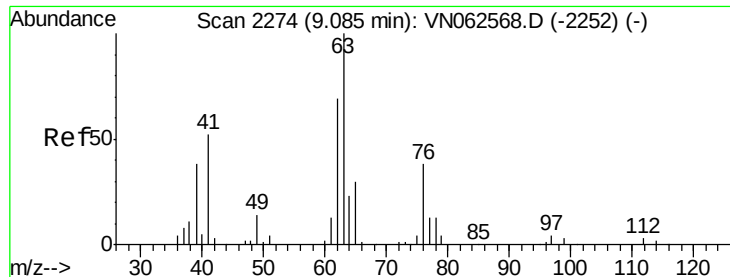
Abundance Ion 129.80 (129.50 to 130.50): VN062568.D (-2170) (-)

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

8.80

Time-->





#45

1,2-Dichloropropane

Concen: 18.700 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

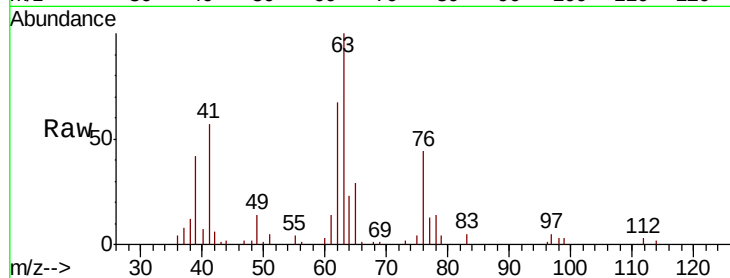
VN0731WBSD01

Tot Ion: 63 Resp: 42539

Ion Ratio Lower Upper

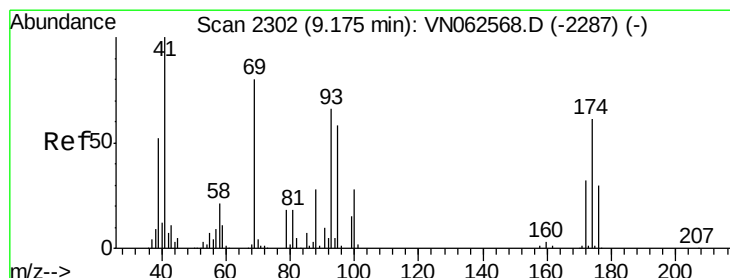
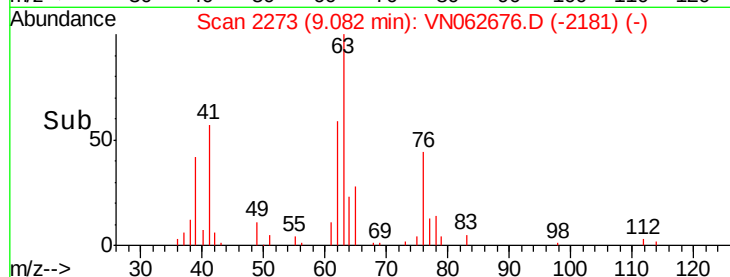
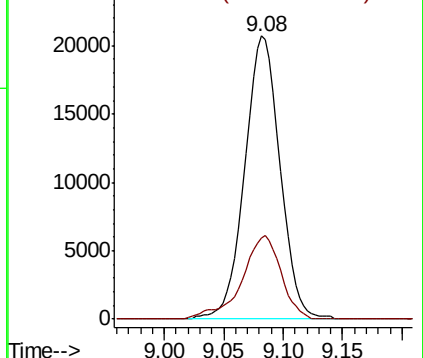
63 100

65 28.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.245 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

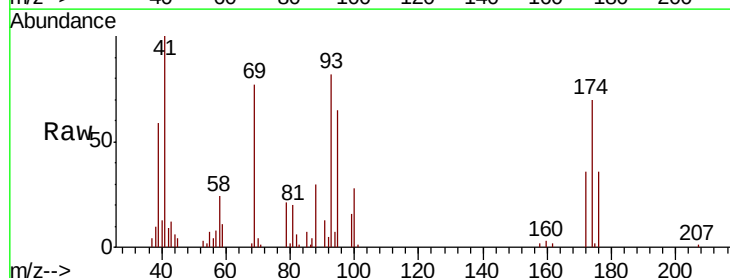
Tgt Ion: 93 Resp: 26617

Ion Ratio Lower Upper

93 100

95 81.9 67.6 101.4

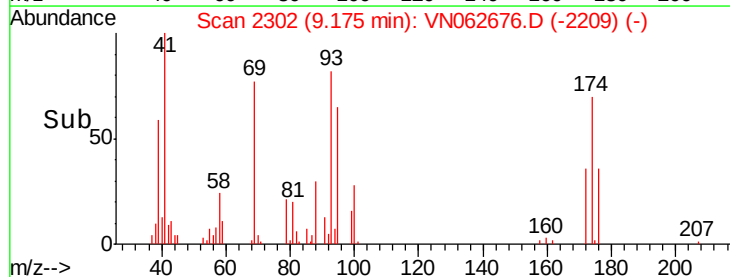
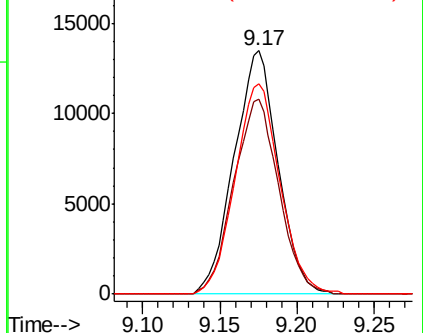
174 88.2 72.5 108.7

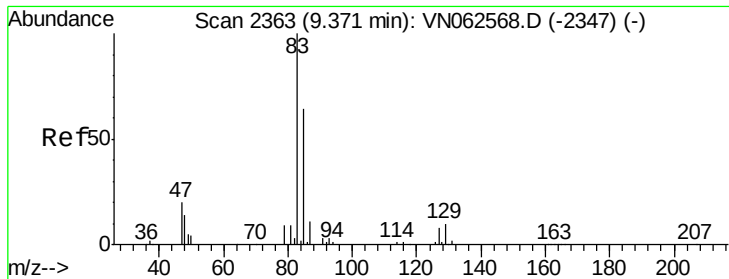


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.607 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

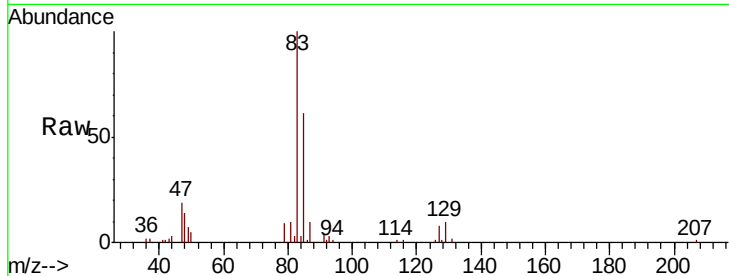
Tot Ion: 83 Resp: 58697

Ion Ratio Lower Upper

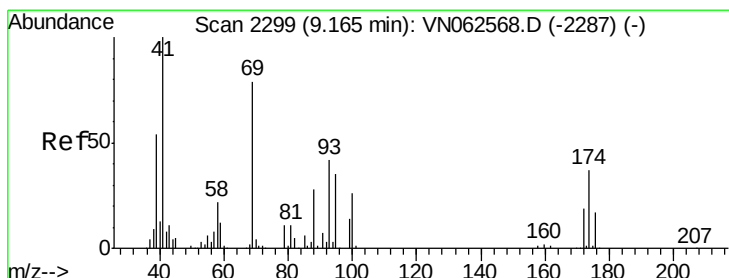
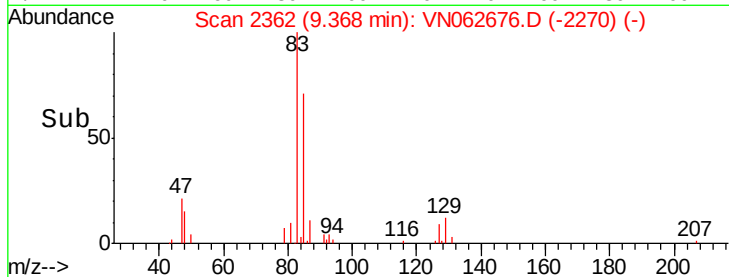
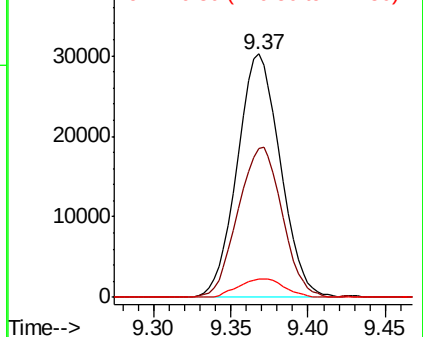
83 100

85 61.2 51.6 77.4

127 7.6 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): V



#48

Methyl methacrylate

Concen: 19.011 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

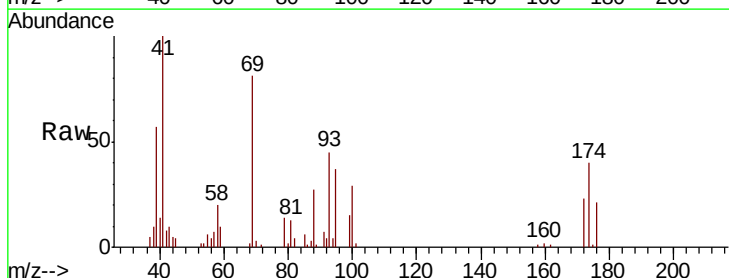
Tgt Ion: 41 Resp: 42028

Ion Ratio Lower Upper

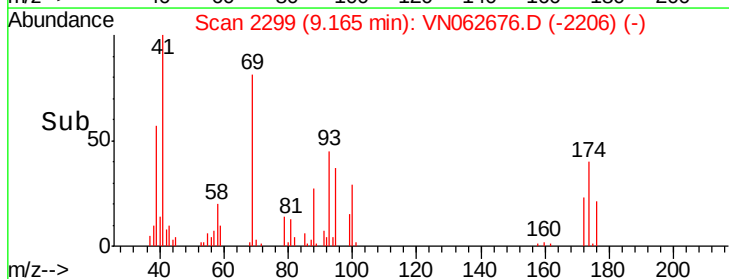
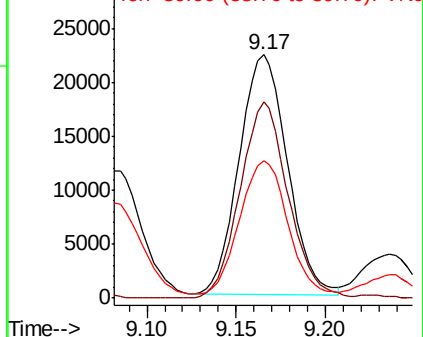
41 100

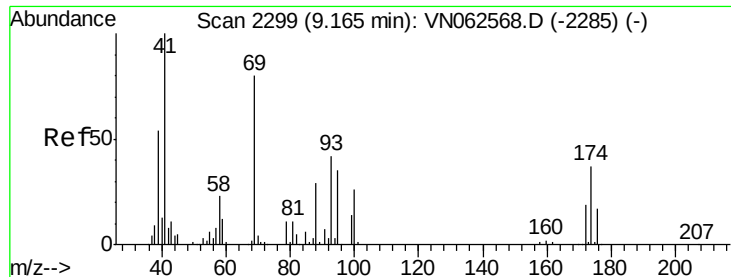
69 81.2 64.4 96.6

39 58.8 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

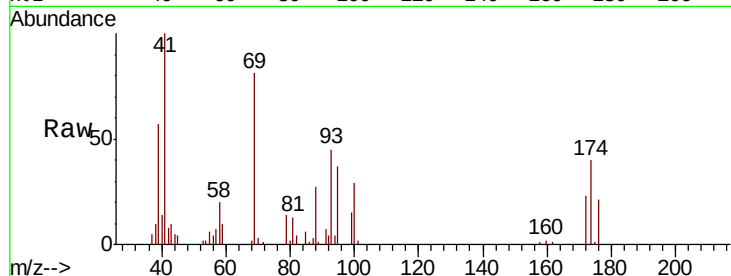




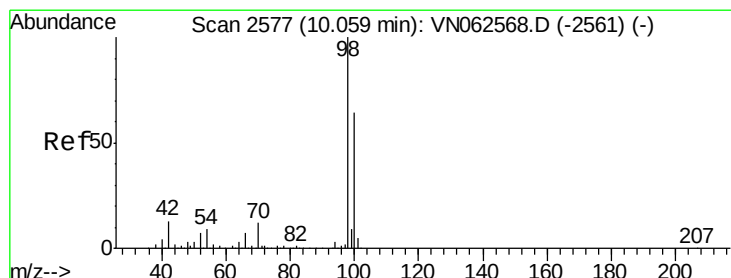
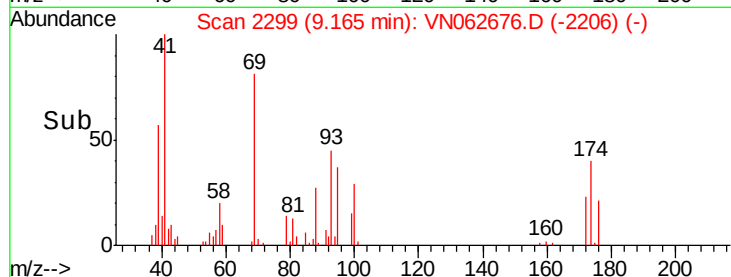
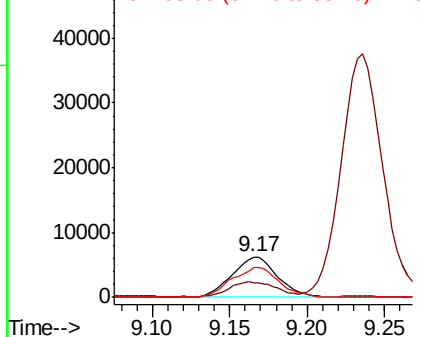
#49
1,4-Dioxane
Concen: 375.191 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion: 88 Resp: 12739
Ion Ratio Lower Upper
88 100
43 40.8 32.0 48.0
58 76.9 62.8 94.2

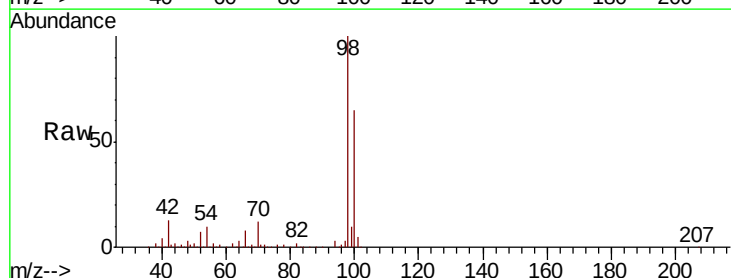


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

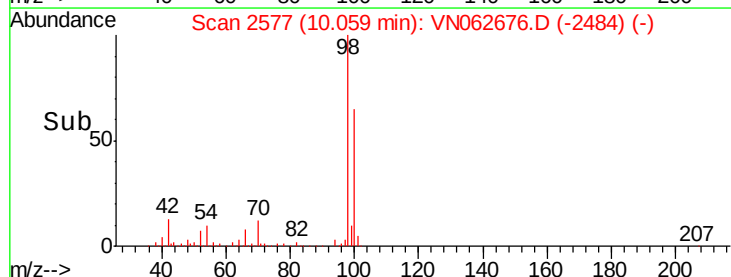
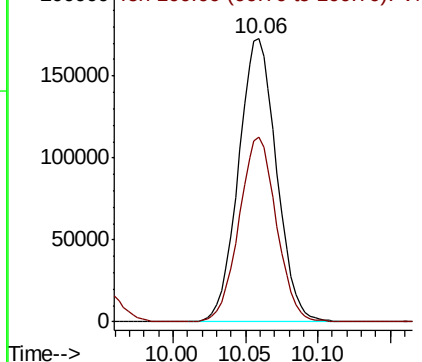


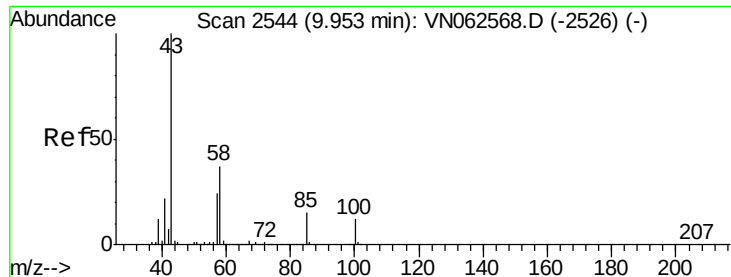
#50
Toluene-d8
Concen: 47.778 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion: 98 Resp: 314386
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 95.822 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

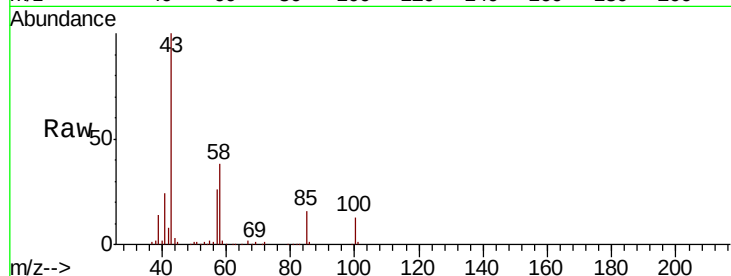
VN0731WBSD01

Tot Ion: 43 Resp: 266631

Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

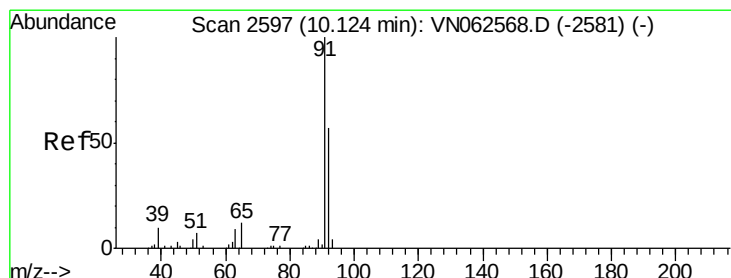
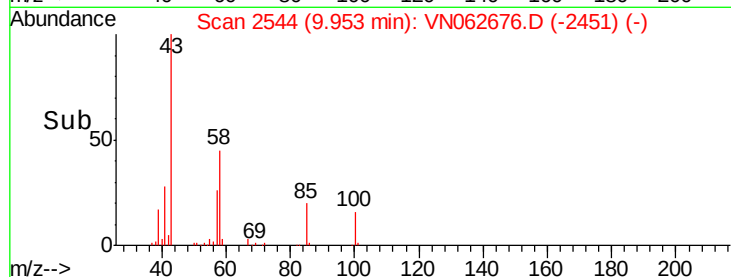
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 19.258 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062676.D

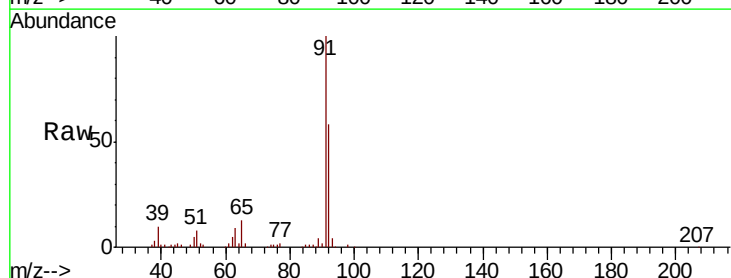
Acq: 31 Jul 2020 11:28

Tgt Ion: 92 Resp: 90600

Ion Ratio Lower Upper

92 100

91 175.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

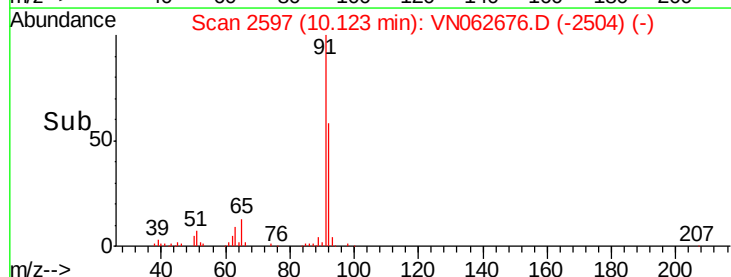
40000

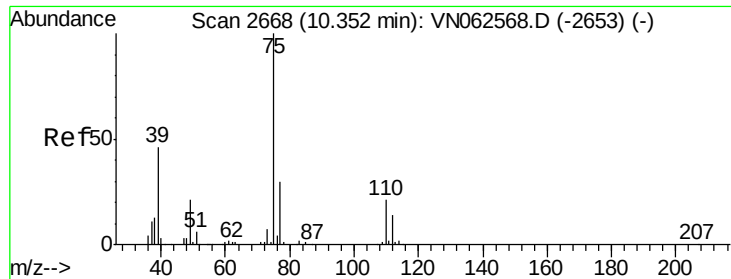
20000

0

10.10 10.12 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.986 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

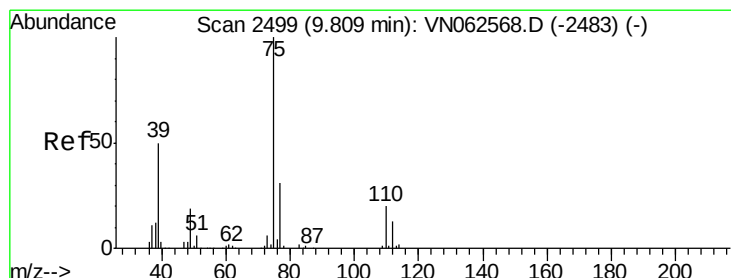
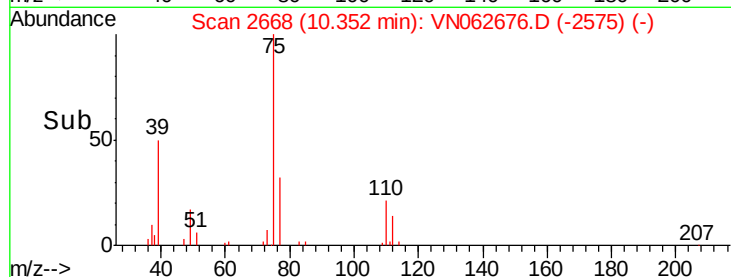
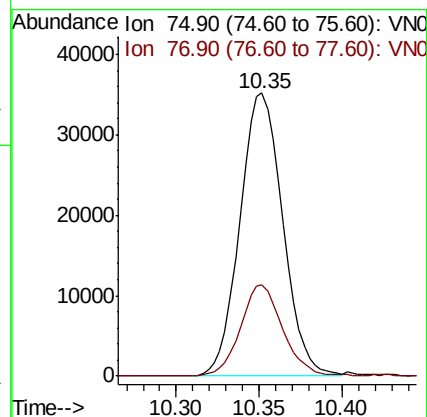
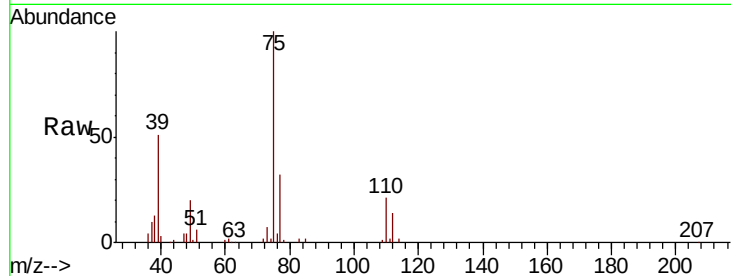
VN0731WBSD01

Tot Ion: 75 Resp: 63374

Ion Ratio Lower Upper

75 100

77 32.4 24.3 36.5



#54

cis-1,3-Dichloropropene

Concen: 19.008 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

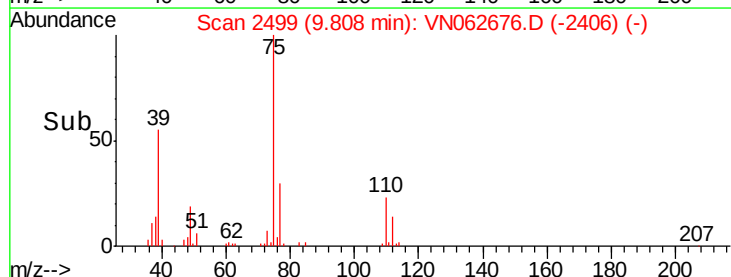
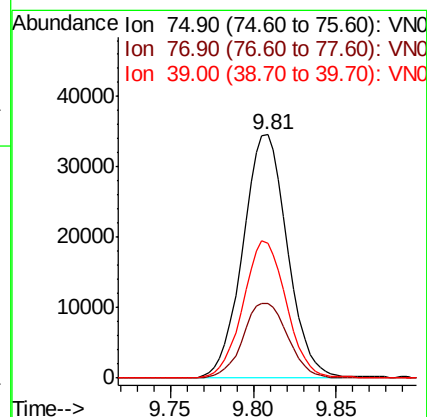
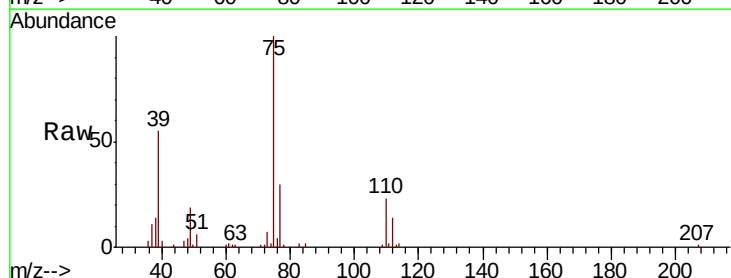
Tgt Ion: 75 Resp: 64674

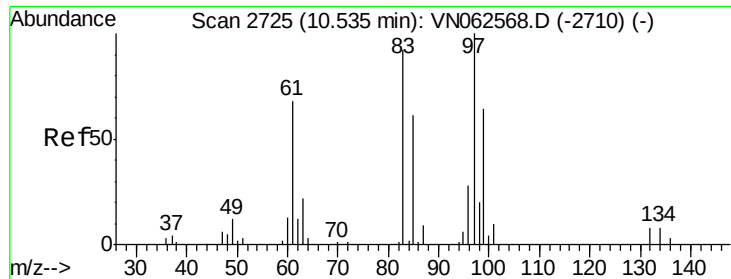
Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.6

39 55.1 39.8 59.8





#55

1,1,2-Trichloroethane

Concen: 19.820 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 97 Resp: 36168

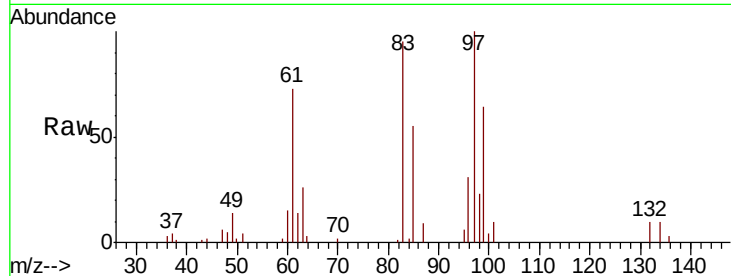
Ion Ratio Lower Upper

97 100

83 95.3 73.7 110.5

85 55.1 48.5 72.7

99 64.2 50.8 76.2

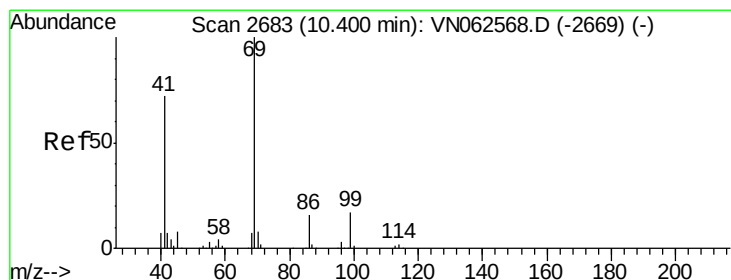
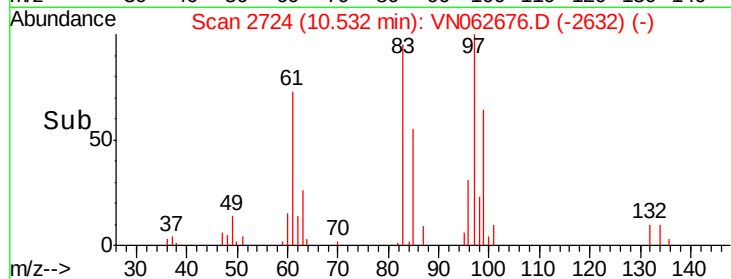
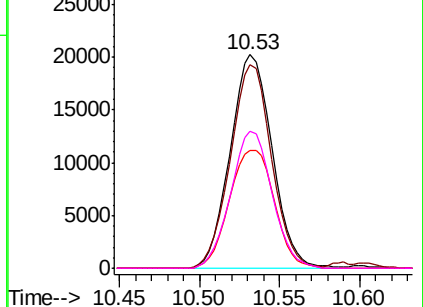


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.149 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

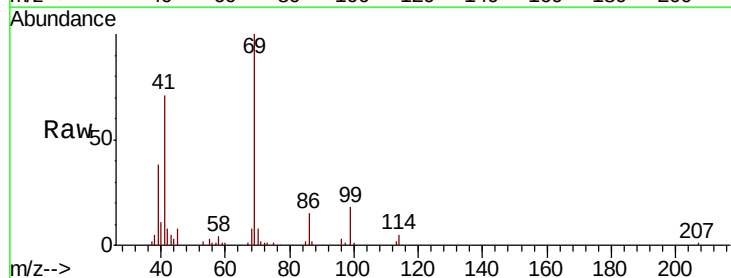
Tgt Ion: 69 Resp: 55642

Ion Ratio Lower Upper

69 100

41 72.4 57.2 85.8

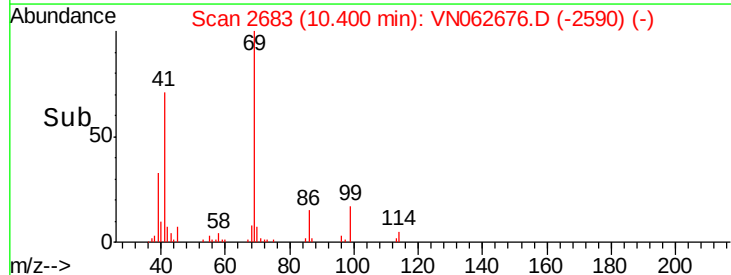
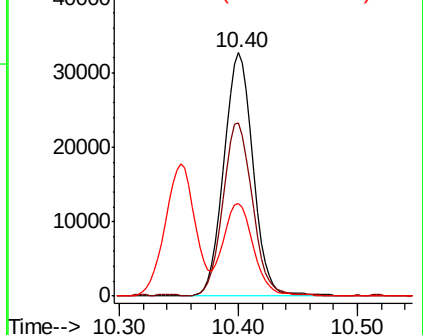
39 39.8 28.6 43.0

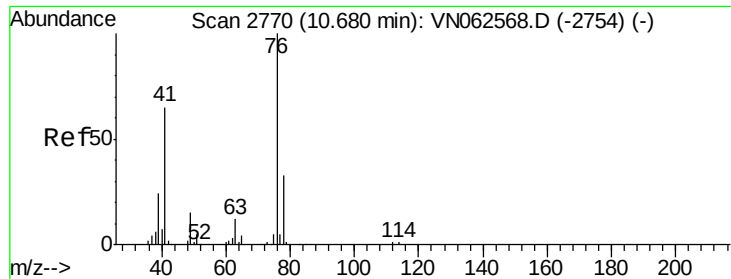


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.781 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

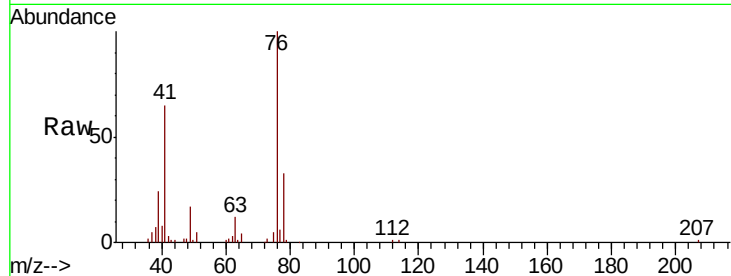
VN0731WBSD01

Tot Ion: 76 Resp: 66133

Ion Ratio Lower Upper

76 100

78 32.1 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

40000

30000

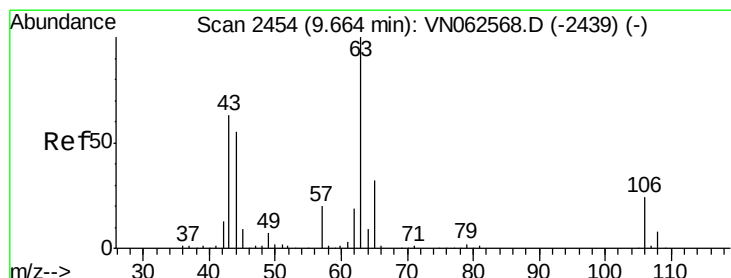
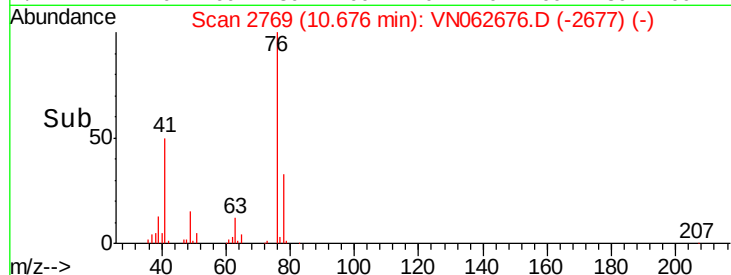
20000

10000

0

Time-->

10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 93.347 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062676.D

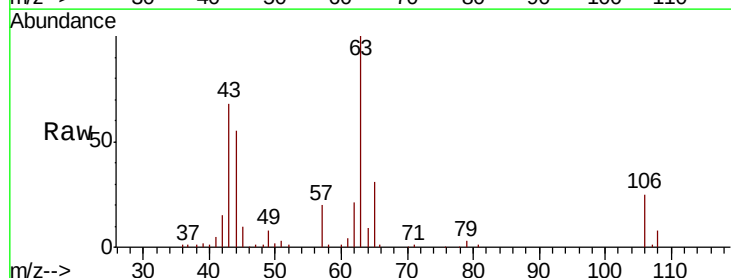
Acq: 31 Jul 2020 11:28

Tgt Ion: 63 Resp: 81117

Ion Ratio Lower Upper

63 100

106 24.5 18.9 28.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

50000

40000

30000

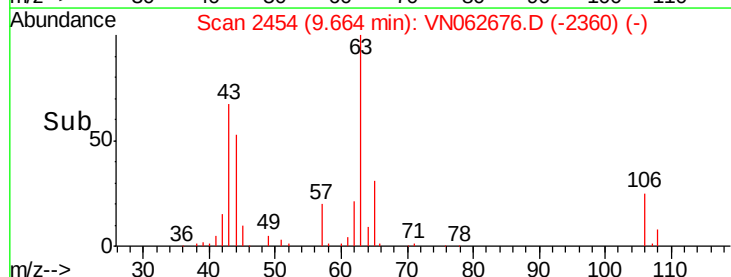
20000

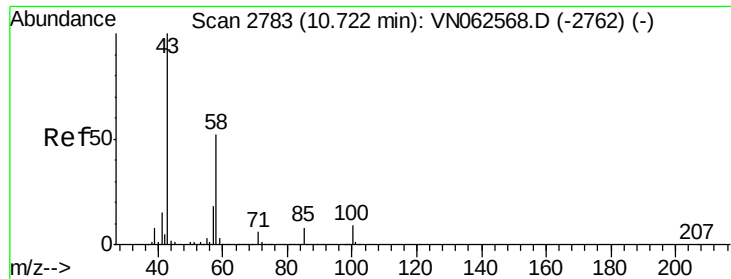
10000

0

Time-->

9.60 9.65 9.70 9.75

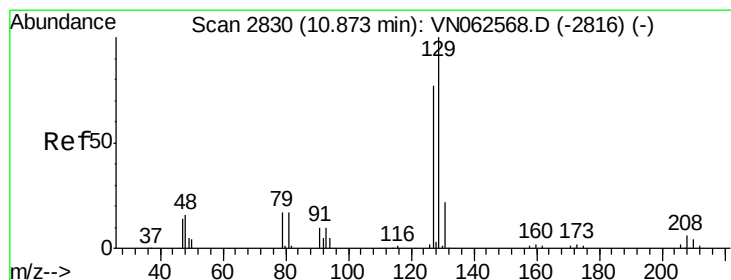
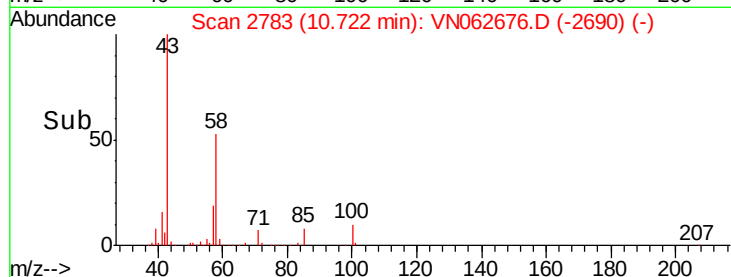
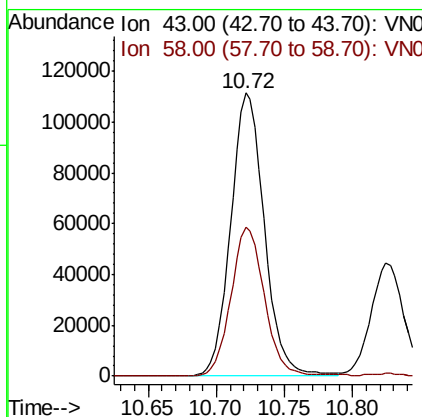
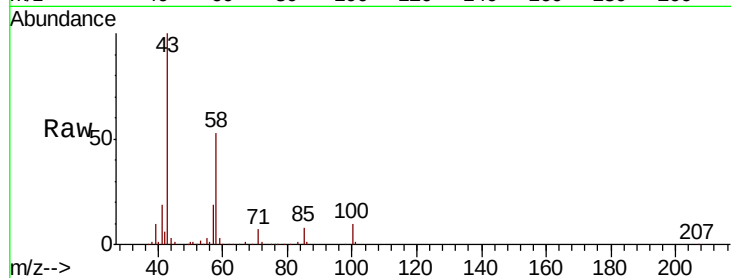




#59
2-Hexanone
Concen: 90.007 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

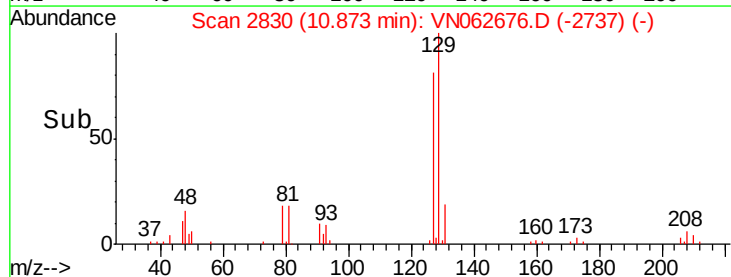
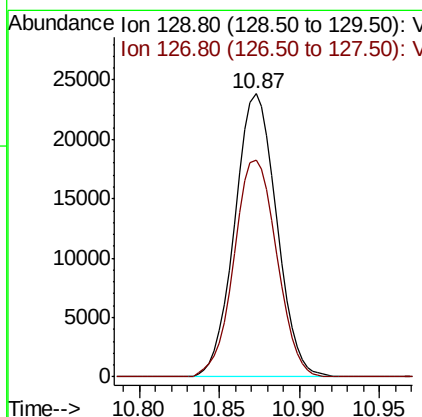
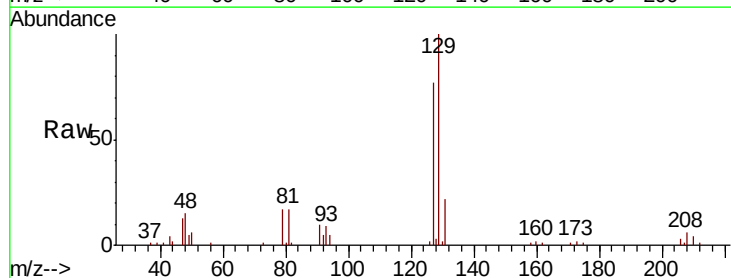
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

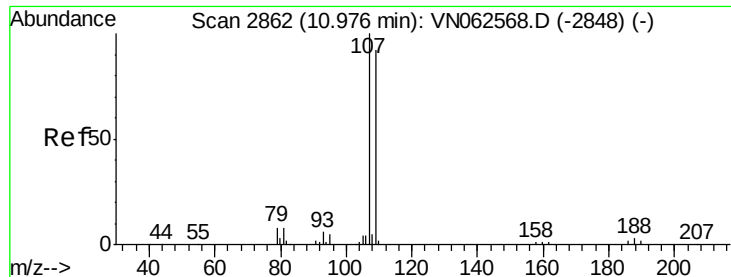
Tot Ion: 43 Resp: 189565
Ion Ratio Lower Upper
43 100
58 52.8 26.0 78.0



#60
Dibromochloromethane
Concen: 20.884 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion: 129 Resp: 42515
Ion Ratio Lower Upper
129 100
127 78.1 38.0 113.9

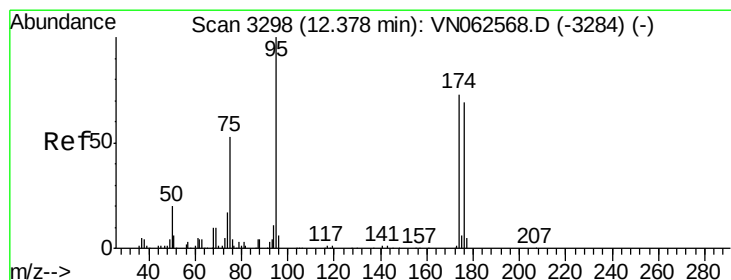
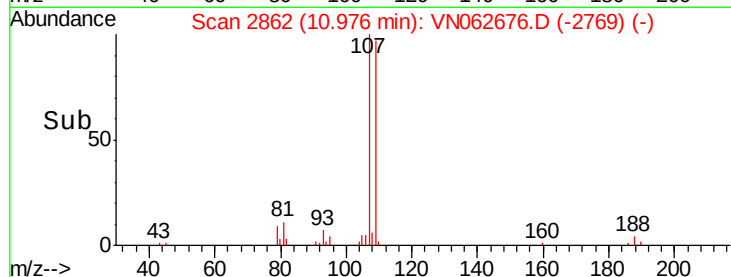
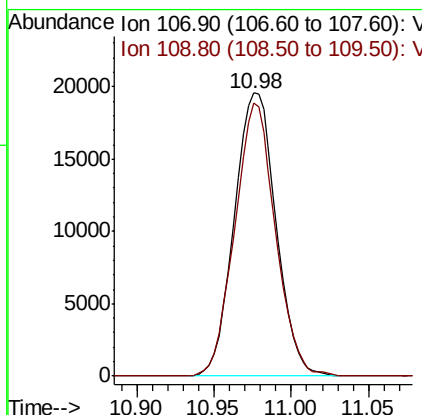
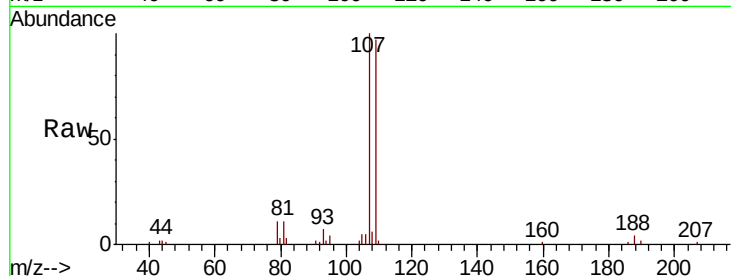




#61
 1,2-Dibromoethane
 Concen: 19.314 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

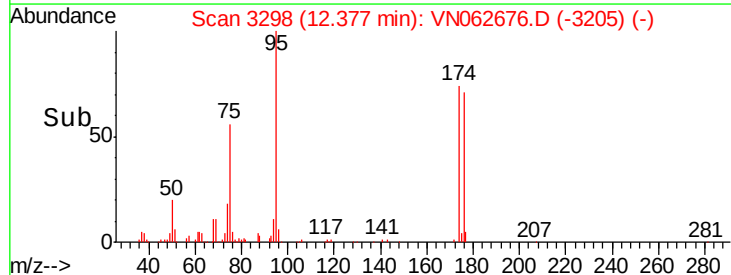
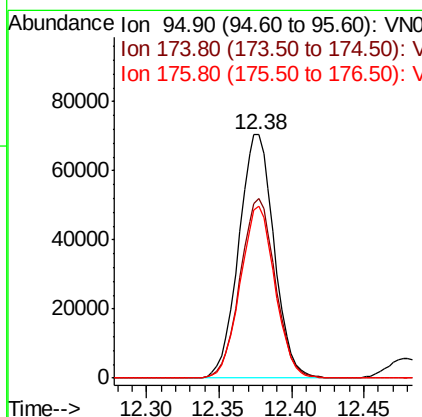
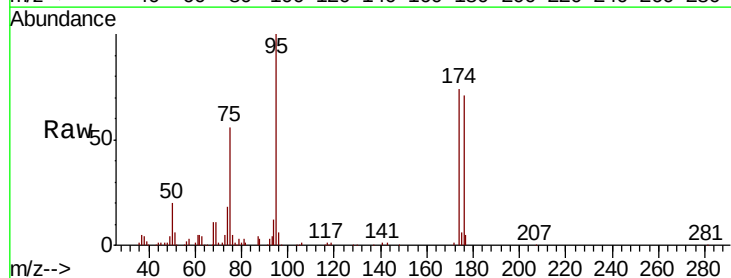
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

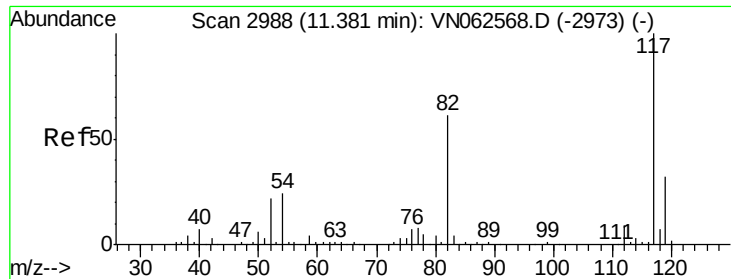
Tot Ion:107 Resp: 36701
 Ion Ratio Lower Upper
 107 100
 109 93.8 73.8 110.6



#62
 4-Bromofluorobenzene
 Concen: 49.632 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion: 95 Resp: 119415
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 144.6
 176 69.2 0.0 139.4

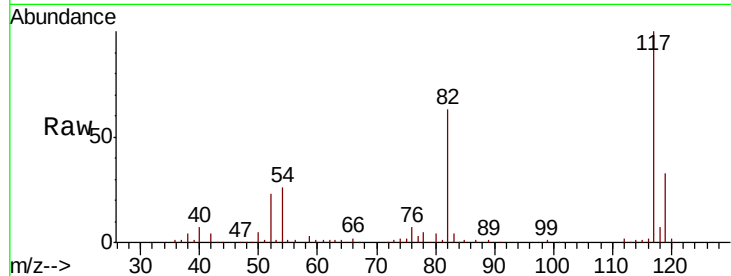




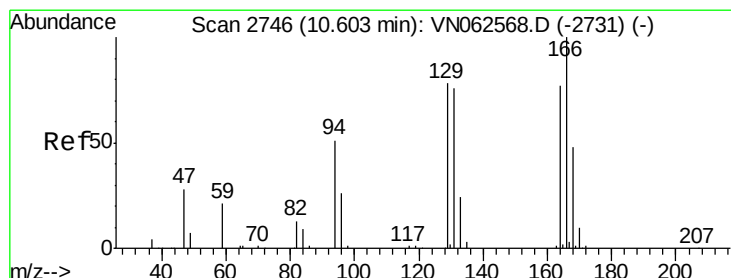
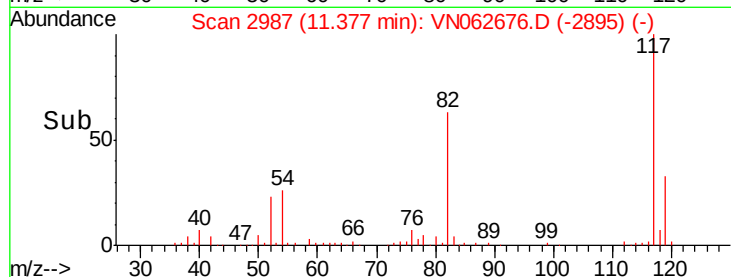
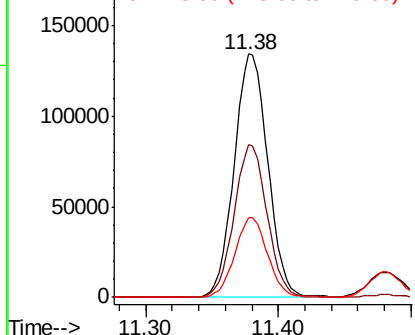
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion:117 Resp: 236419
Ion Ratio Lower Upper
117 100
82 62.5 49.0 73.6
119 32.5 25.4 38.2

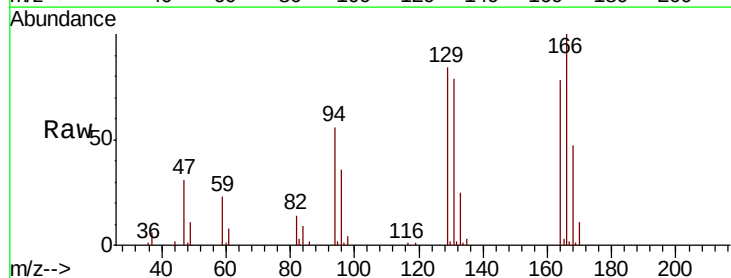


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

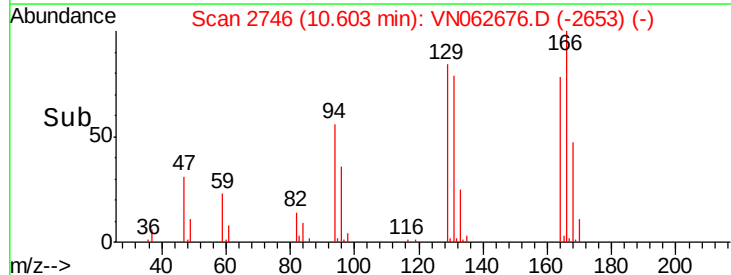
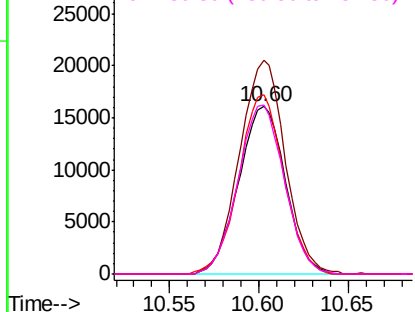


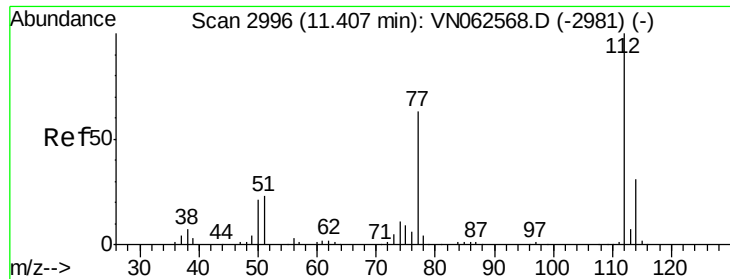
#64
Tetrachloroethene
Concen: 19.189 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion:164 Resp: 29476
Ion Ratio Lower Upper
164 100
166 127.6 104.4 156.6
129 107.3 81.0 121.4
131 101.3 79.4 119.2



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

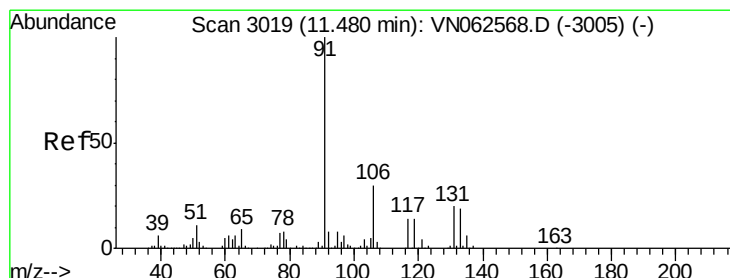
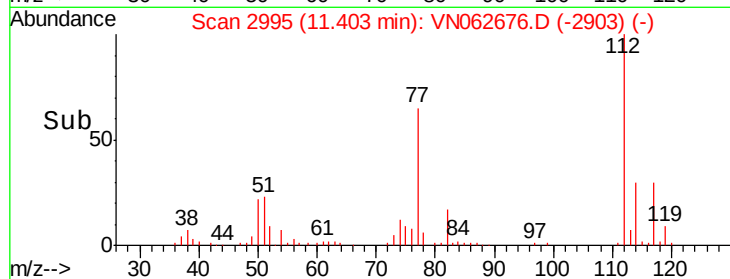
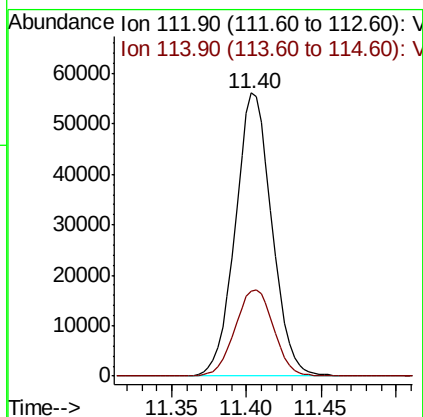
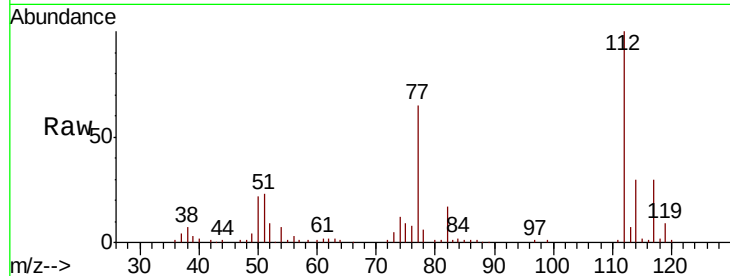




#65
Chlorobenzene
Concen: 19.214 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

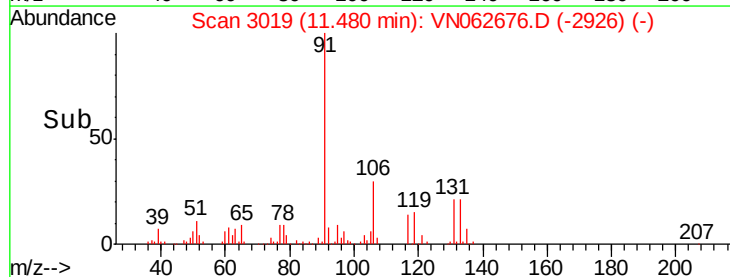
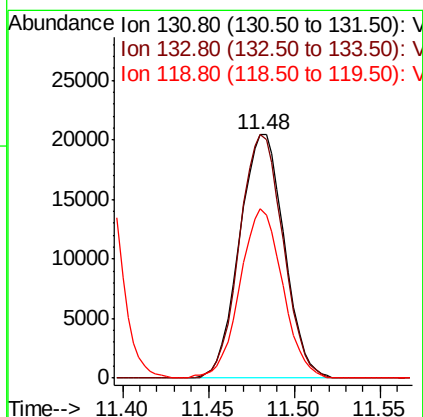
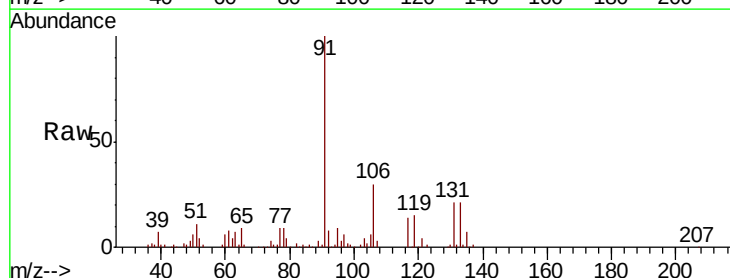
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

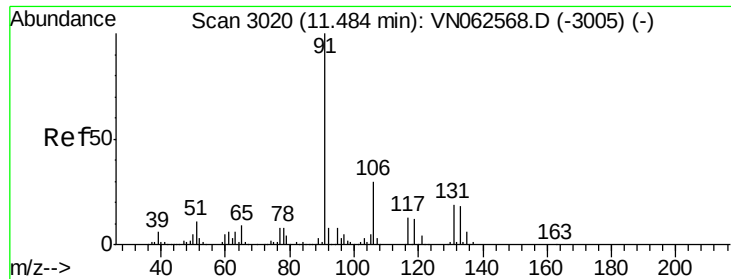
Tot Ion:112 Resp: 95233
Ion Ratio Lower Upper
112 100
114 30.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.766 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion:131 Resp: 36855
Ion Ratio Lower Upper
131 100
133 97.8 47.3 142.0
119 66.5 33.7 101.0

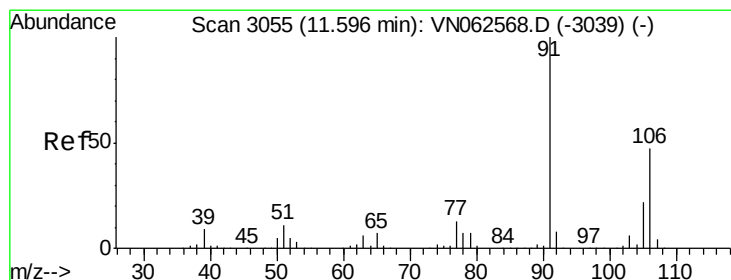
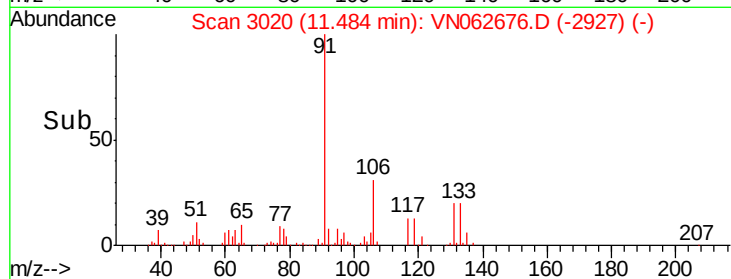
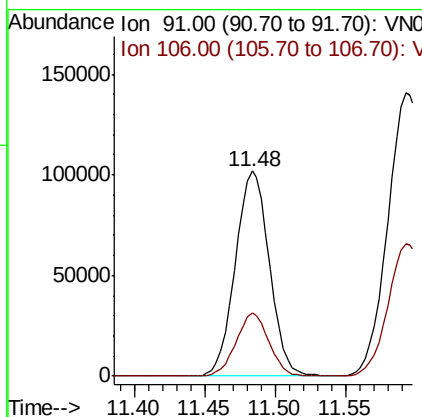
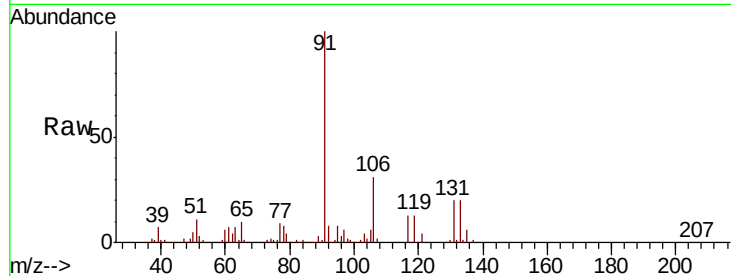




#67
Ethyl Benzene
Concen: 19.002 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

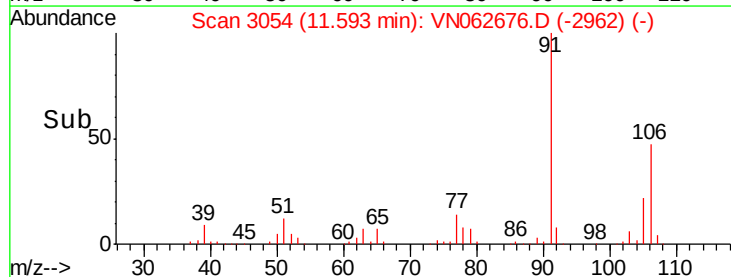
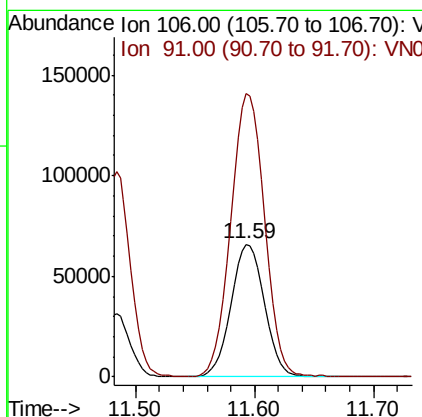
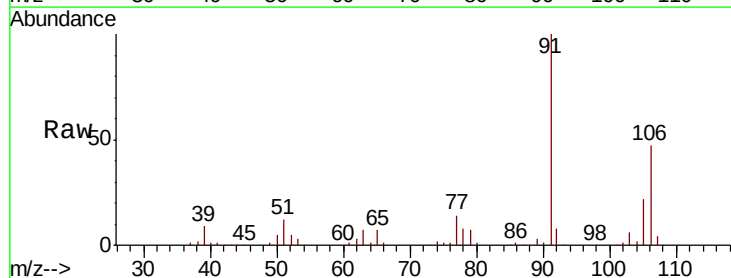
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

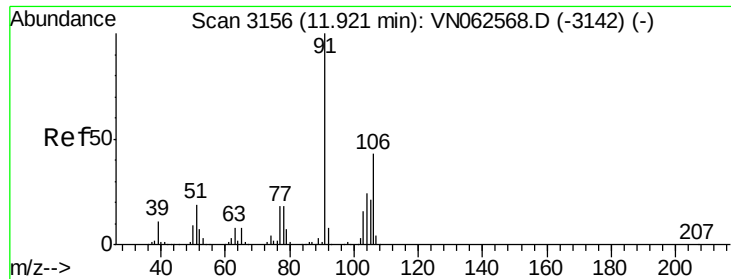
Tot Ion: 91 Resp: 172684
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.8



#68
m/p-Xylenes
Concen: 39.156 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion: 106 Resp: 127897
Ion Ratio Lower Upper
106 100
91 215.1 171.4 257.2

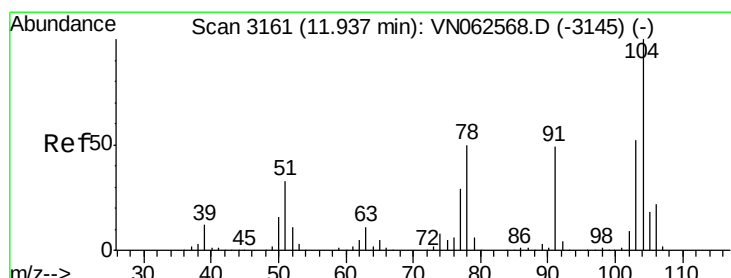
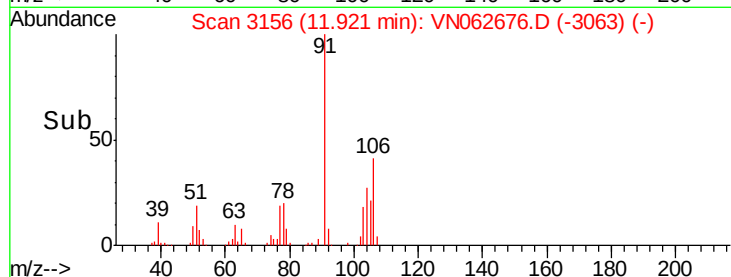
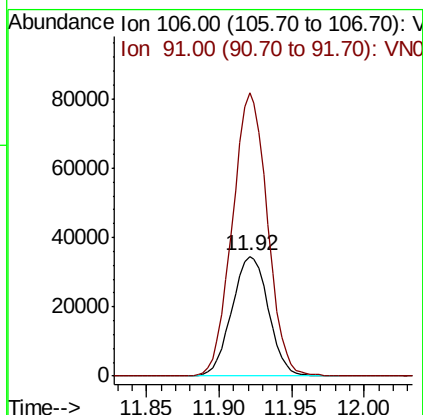
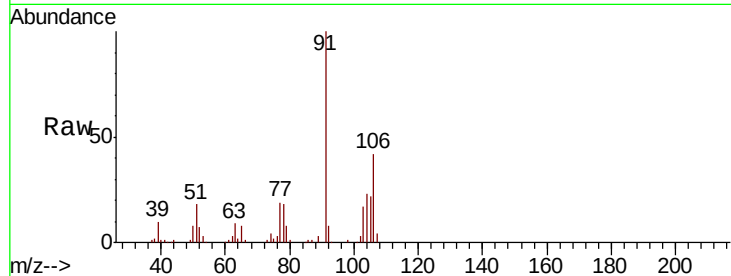




#69
o-Xylene
Concen: 19.505 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

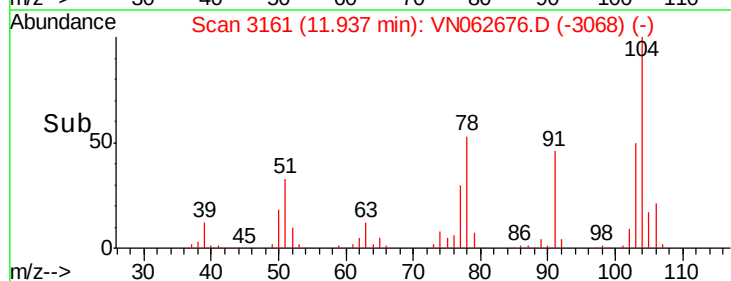
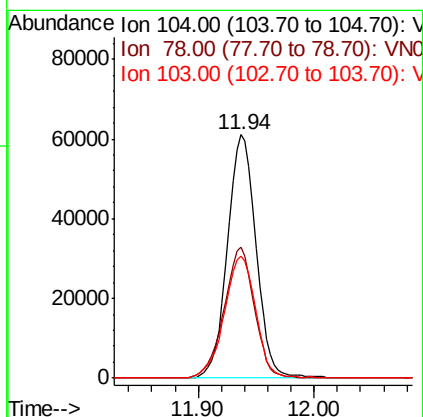
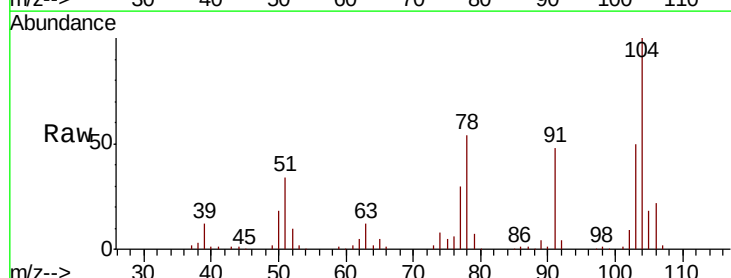
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

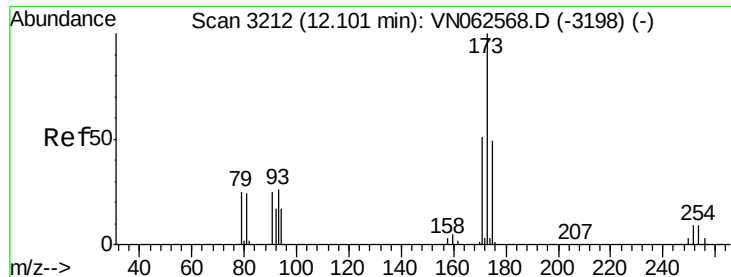
Tot Ion:106 Resp: 60497
Ion Ratio Lower Upper
106 100
91 226.4 113.8 341.2



#70
Styrene
Concen: 19.818 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion:104 Resp: 103838
Ion Ratio Lower Upper
104 100
78 57.0 43.8 65.6
103 54.9 44.0 66.0





#71

Bromoform

Concen: 20.305 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

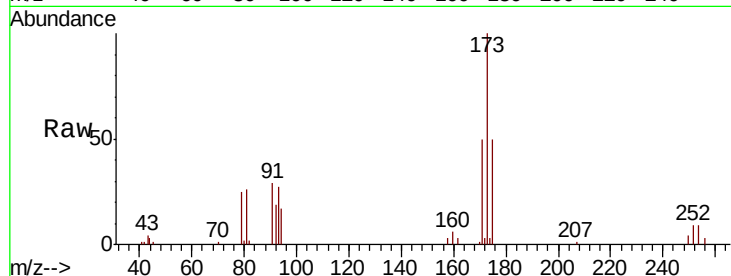
Tot Ion:173 Resp: 28427

Ion Ratio Lower Upper

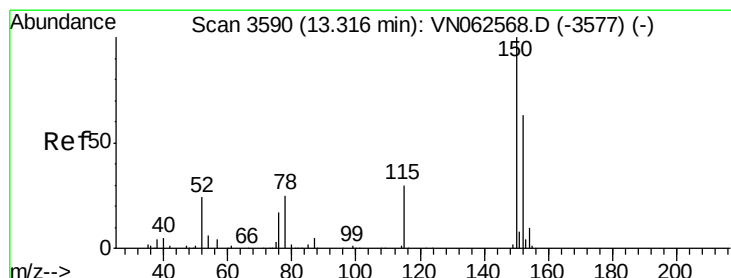
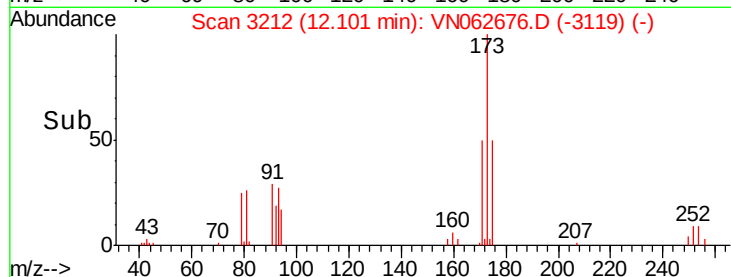
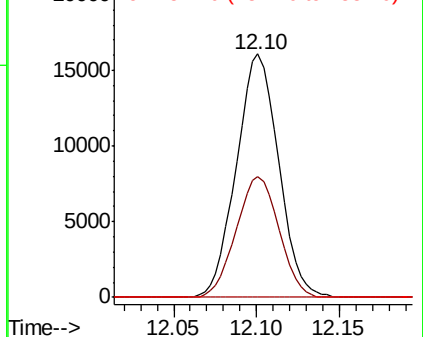
173 100

175 50.4 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# 3591

Delta R.T. 0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

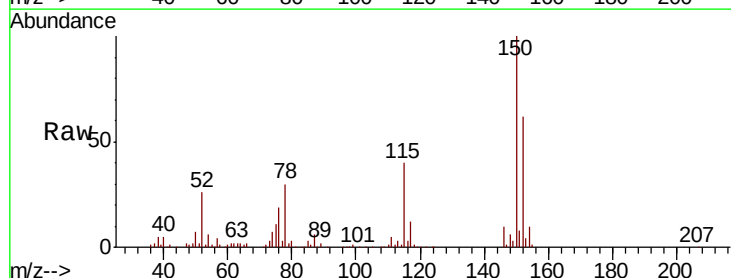
Tgt Ion:152 Resp: 107836

Ion Ratio Lower Upper

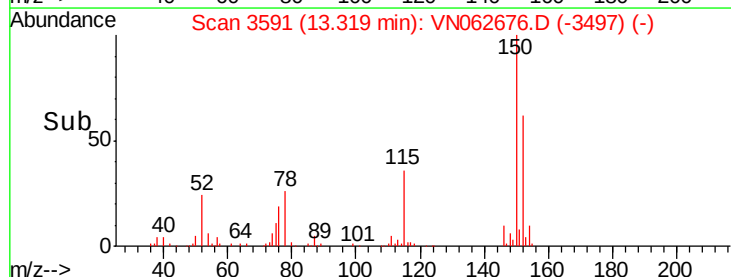
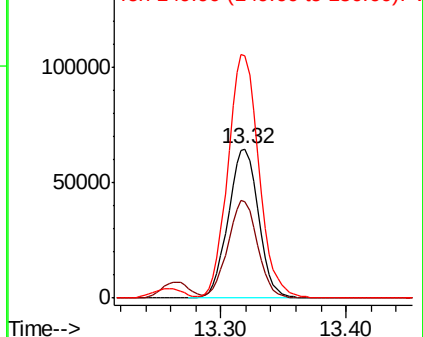
152 100

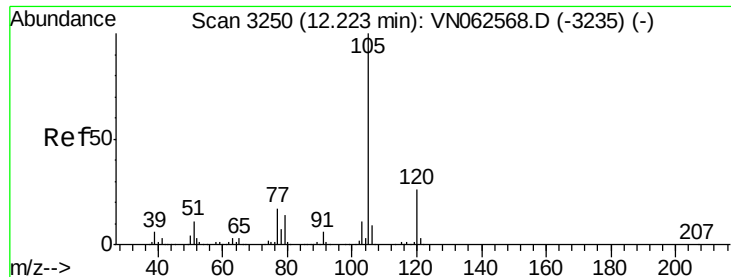
115 64.8 31.8 95.4

150 167.8 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: 19.468 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

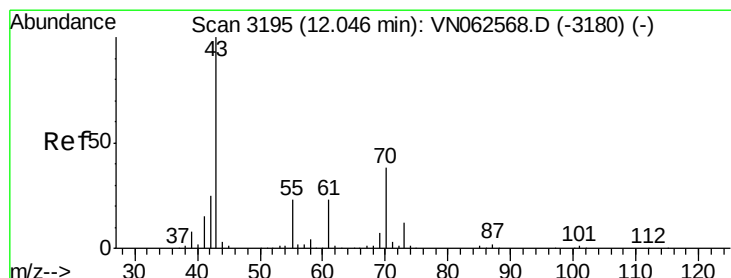
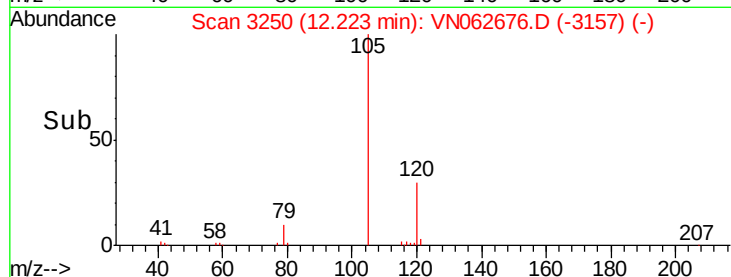
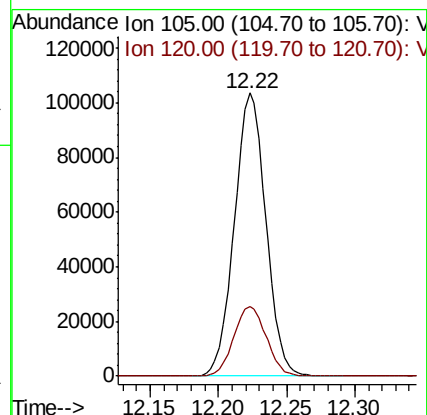
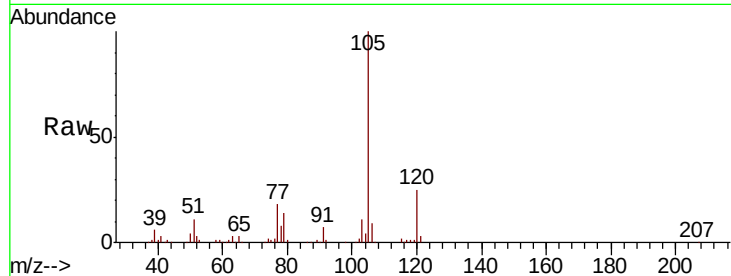
VN0731WBSD01

Tot Ion:105 Resp: 165999

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.4



#74

N-ethyl acetate

Concen: 19.371 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Tgt Ion: 43 Resp: 73761

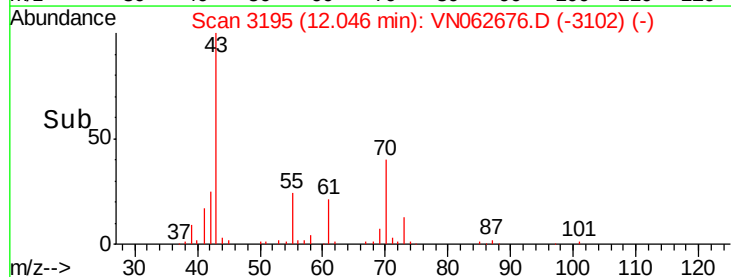
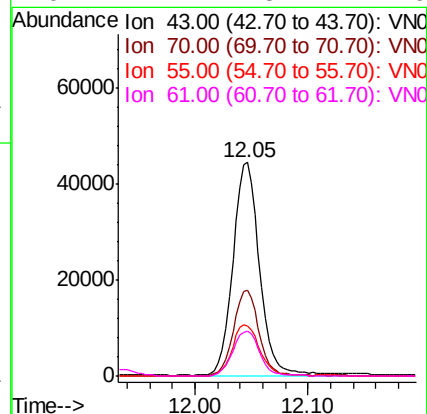
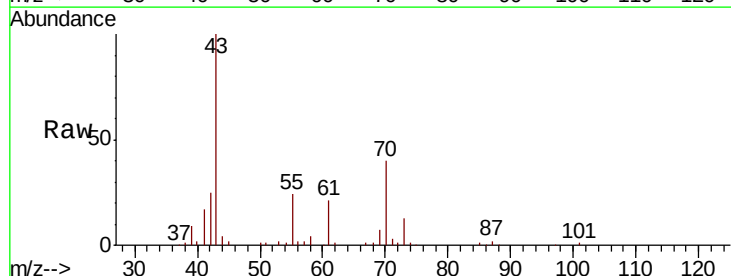
Ion Ratio Lower Upper

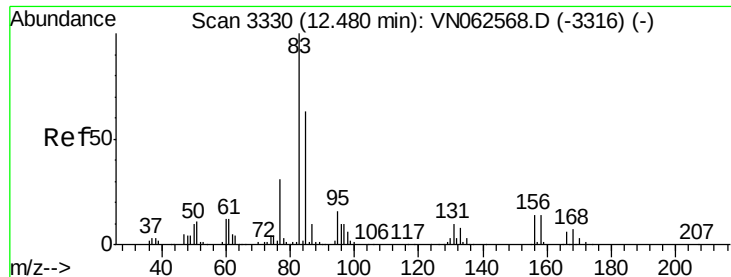
43 100

70 38.1 30.5 45.7

55 24.6 19.0 28.6

61 21.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.546 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

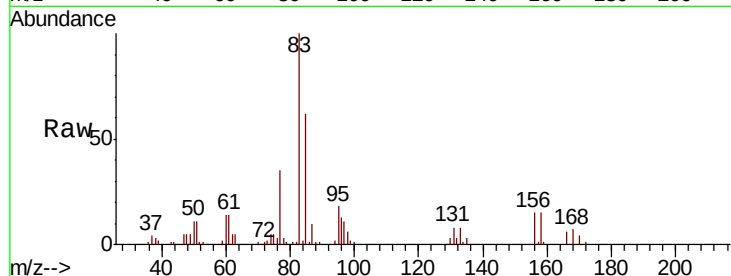
Tot Ion: 83 Resp: 54952

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

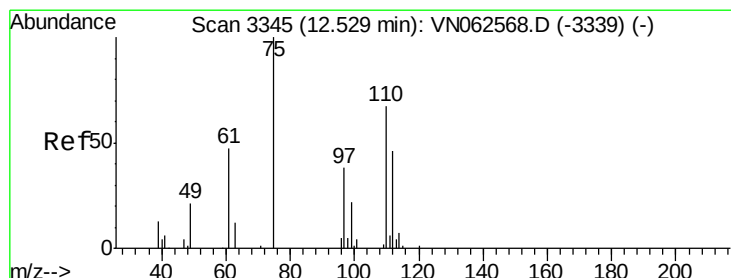
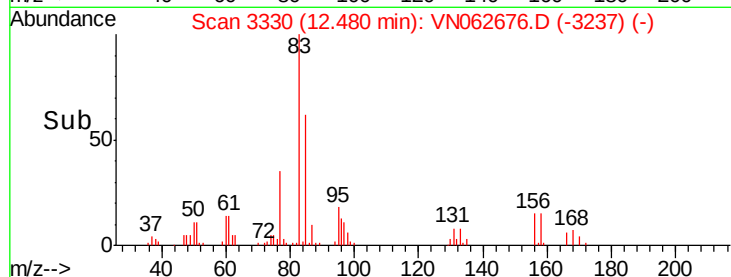
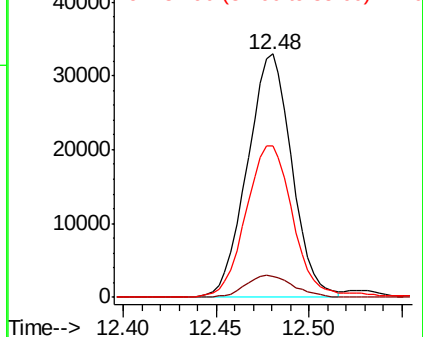
85 66.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.176 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN062676.D

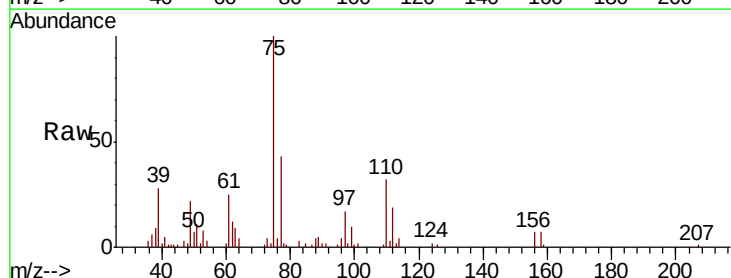
Acq: 31 Jul 2020 11:28

Tgt Ion: 75 Resp: 74592

Ion Ratio Lower Upper

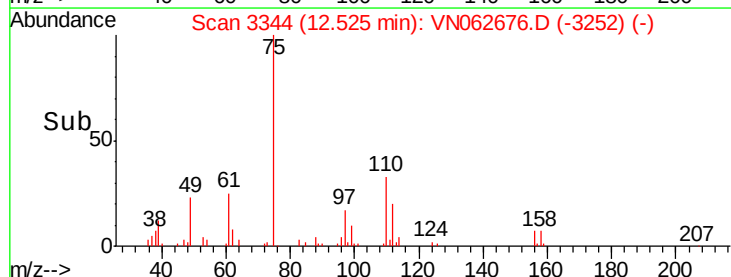
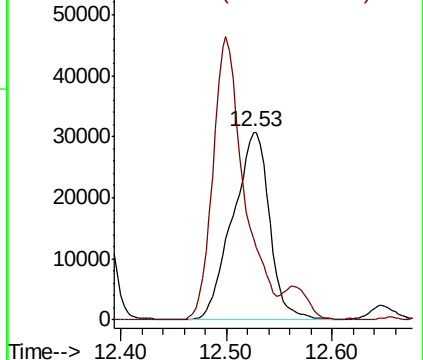
75 100

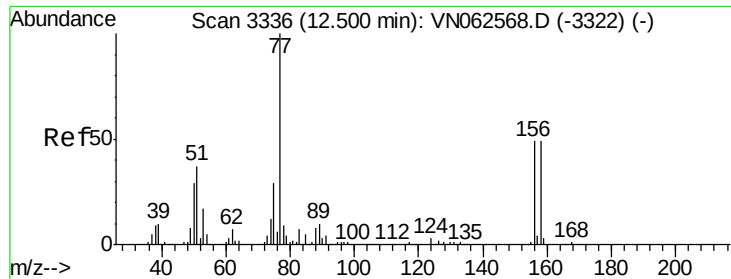
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.341 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

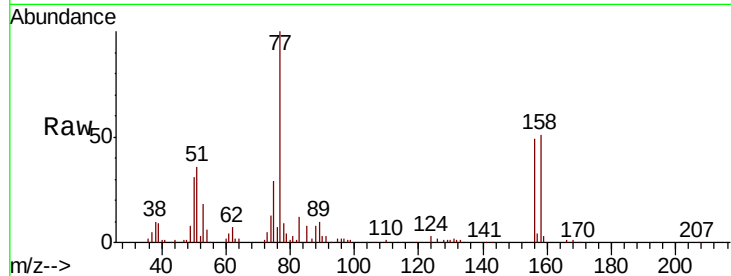
Tot Ion:156 Resp: 39632

Ion Ratio Lower Upper

156 100

77 239.6 122.8 368.3

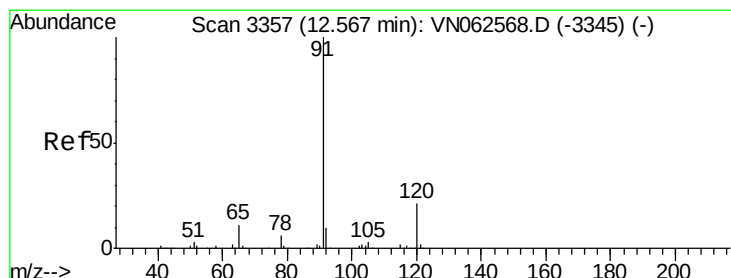
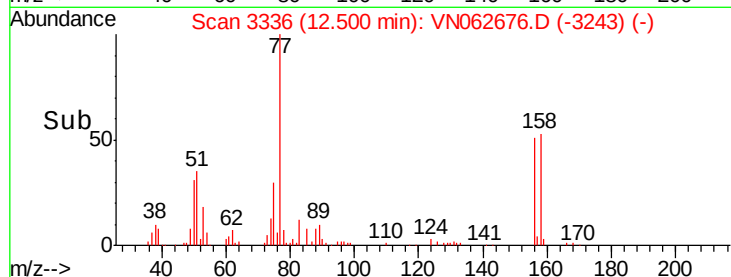
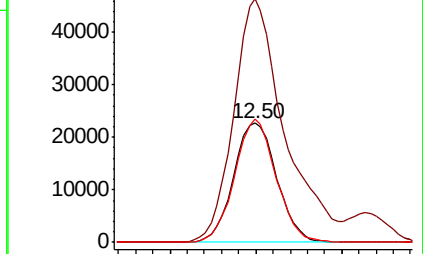
158 98.8 49.4 148.0



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: 19.148 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062676.D

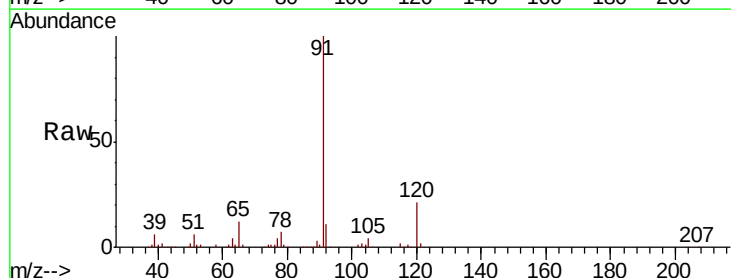
Acq: 31 Jul 2020 11:28

Tgt Ion: 91 Resp: 191253

Ion Ratio Lower Upper

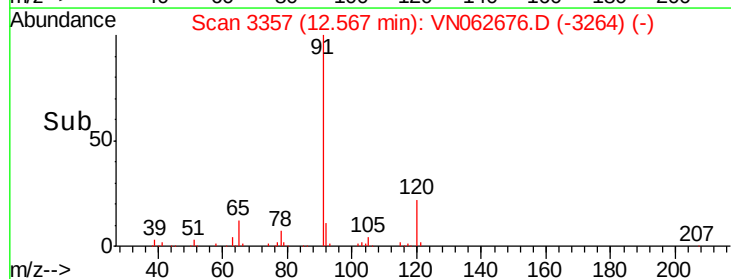
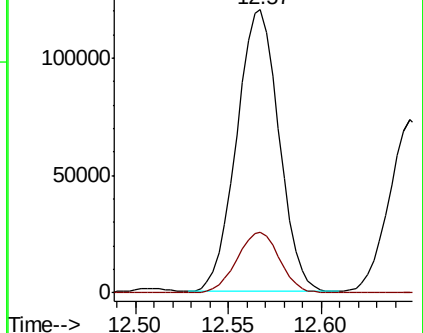
91 100

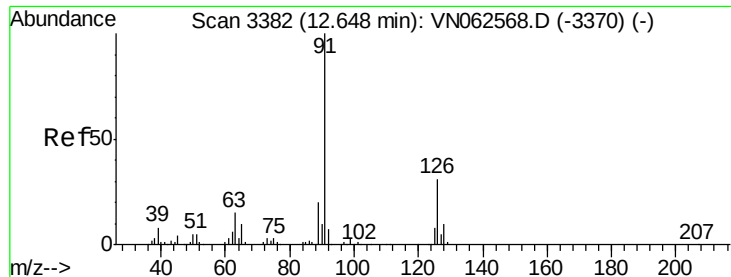
120 21.7 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

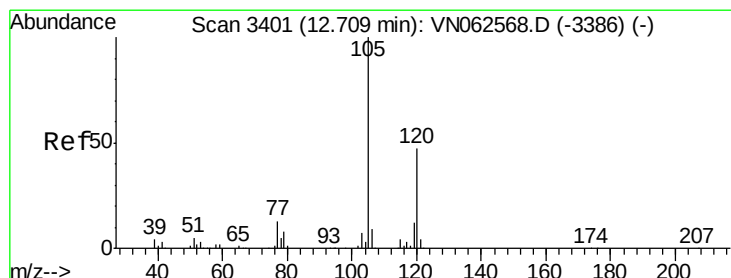
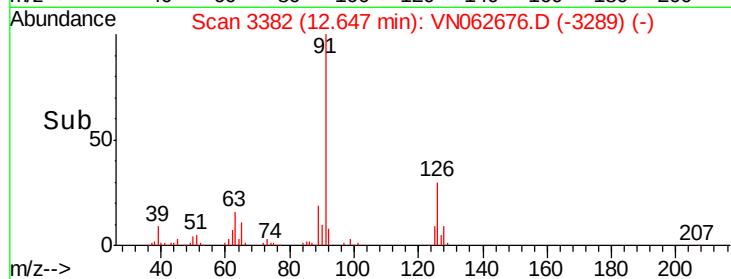
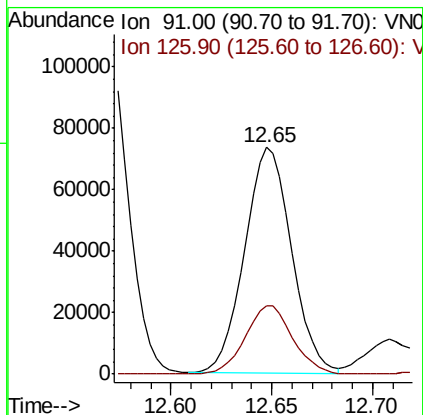
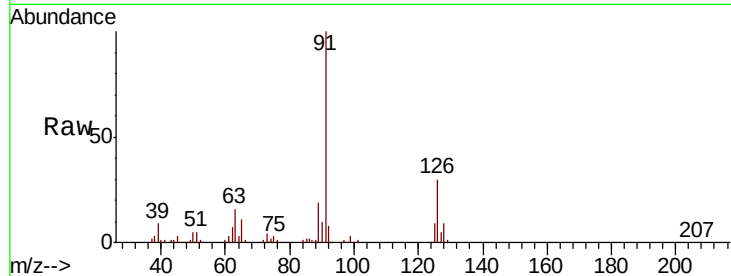




#79
 2-Chlorotoluene
 Concen: 19.401 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

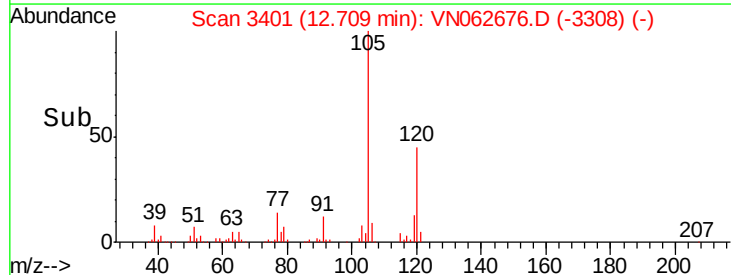
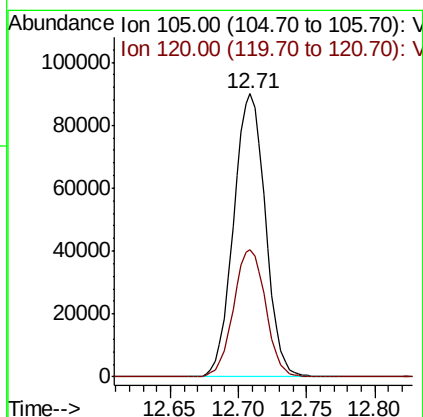
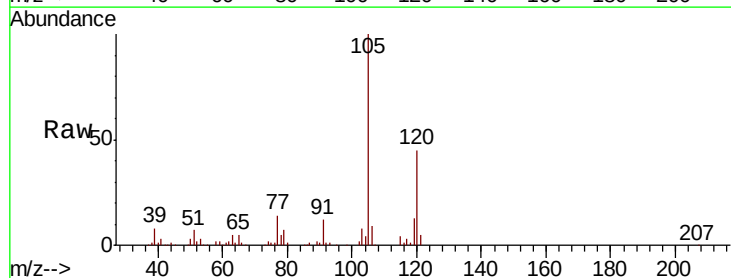
Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBSD01

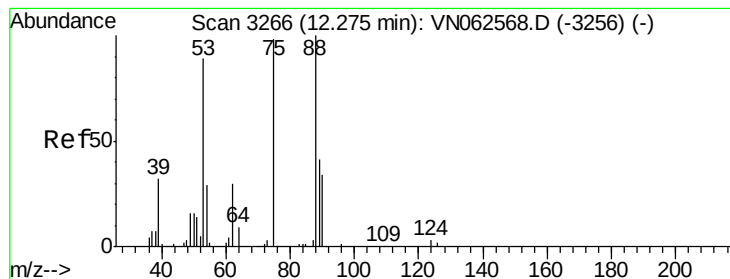
Tot Ion: 91 Resp: 119418
 Ion Ratio Lower Upper
 91 100
 126 30.6 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.600 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion: 105 Resp: 145699
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.354 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

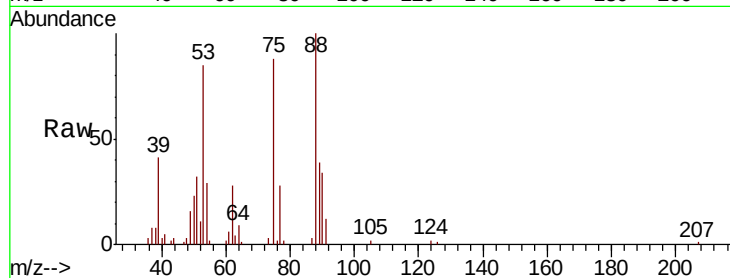
Tot Ion: 75 Resp: 19083

Ion Ratio Lower Upper

75 100

53 99.9 75.4 113.0

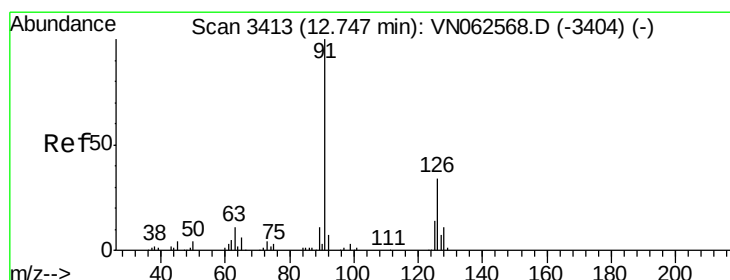
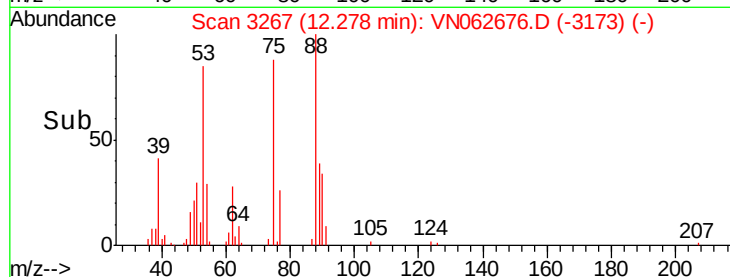
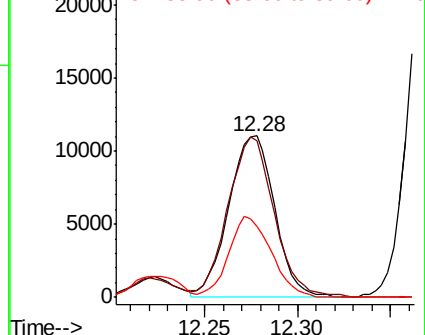
89 46.1 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.479 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062676.D

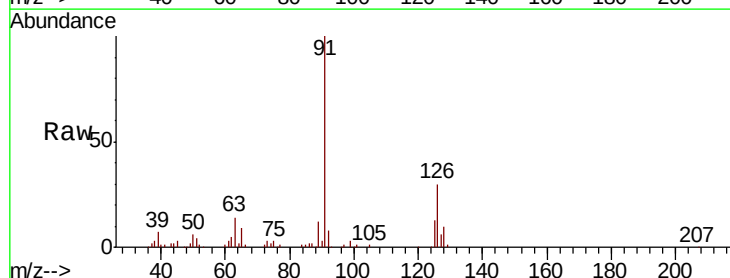
Acq: 31 Jul 2020 11:28

Tgt Ion: 91 Resp: 124803

Ion Ratio Lower Upper

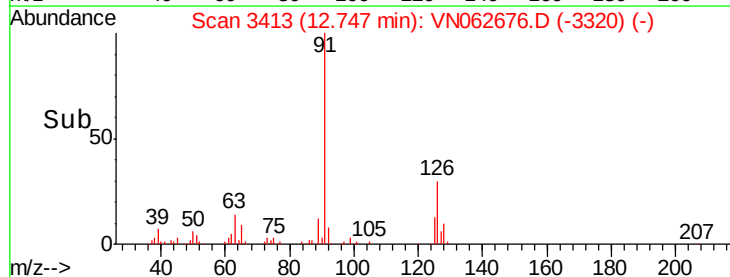
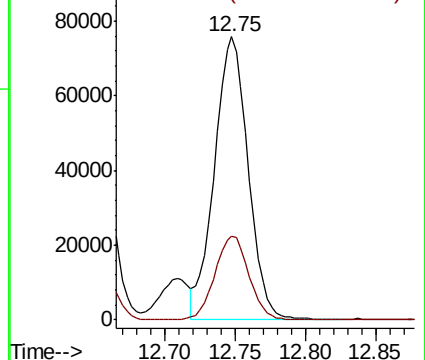
91 100

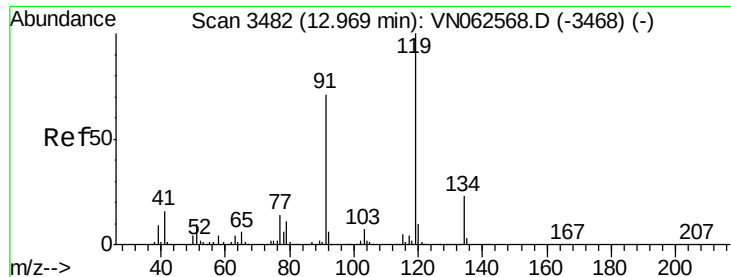
126 30.0 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

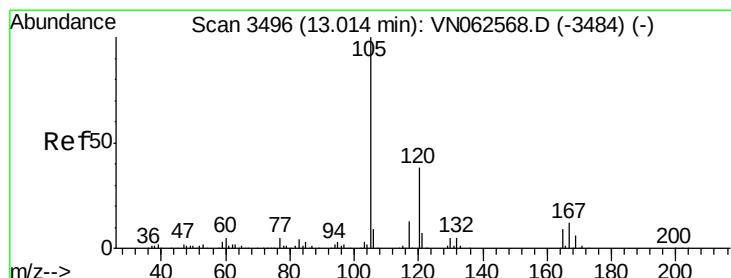
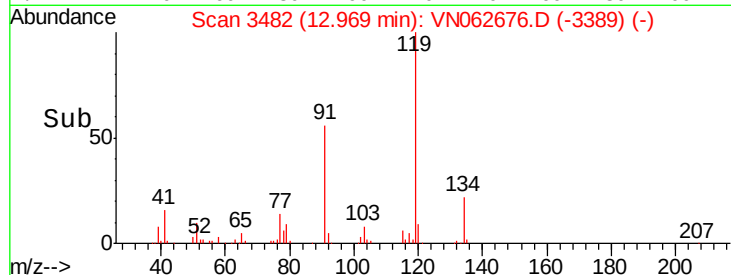
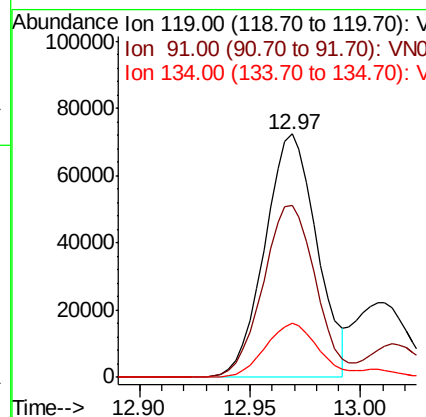
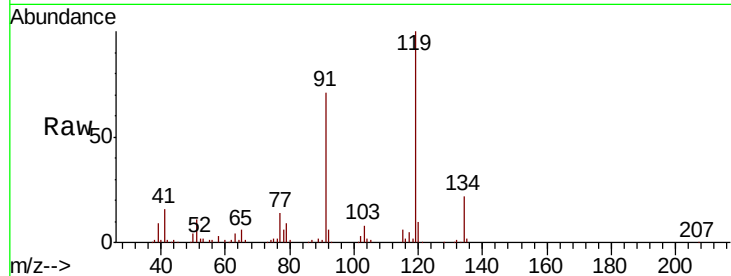




#83
 tert-Butylbenzene
 Concen: 20.188 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

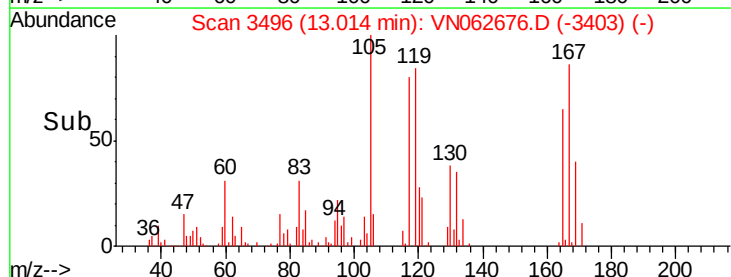
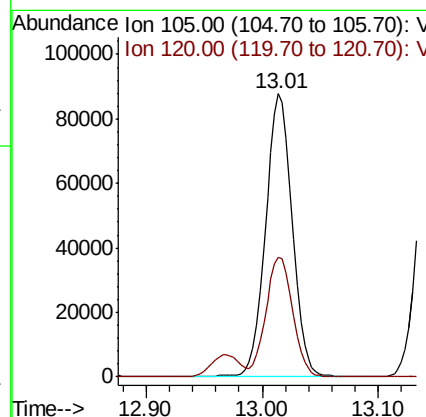
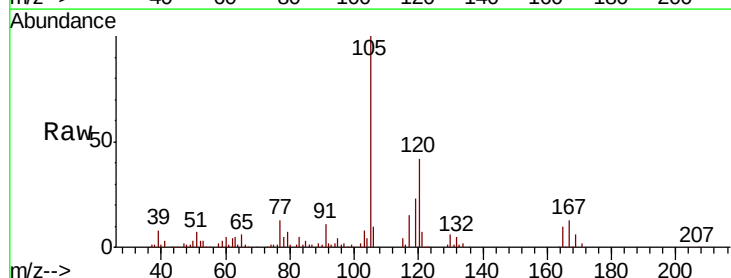
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

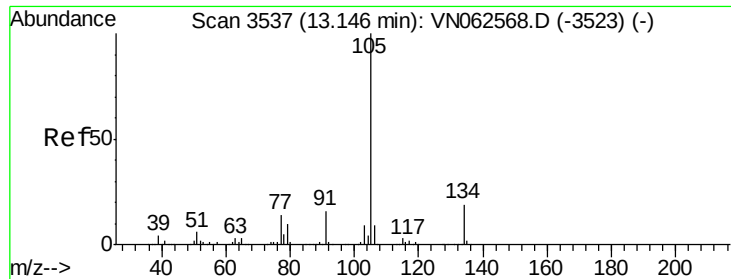
Tot Ion:119 Resp: 118566
 Ion Ratio Lower Upper
 119 100
 91 72.2 34.6 103.8
 134 22.6 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.271 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion:105 Resp: 140648
 Ion Ratio Lower Upper
 105 100
 120 42.3 22.1 66.3





#85

sec-Butylbenzene

Concen: 20.508 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

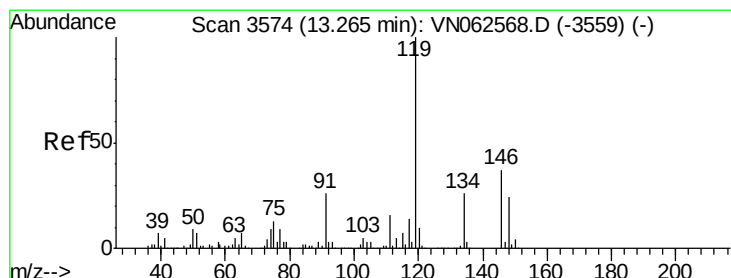
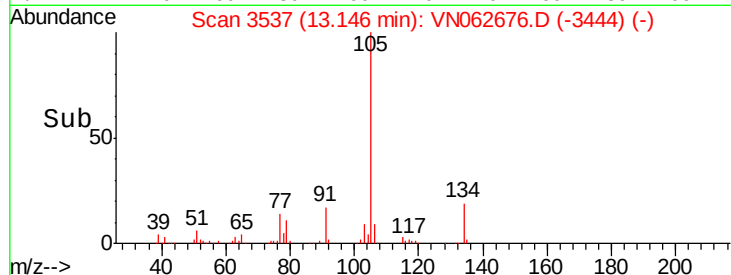
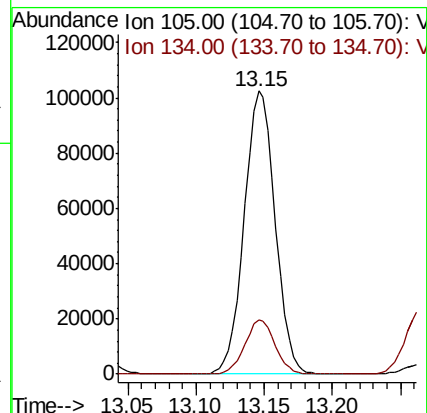
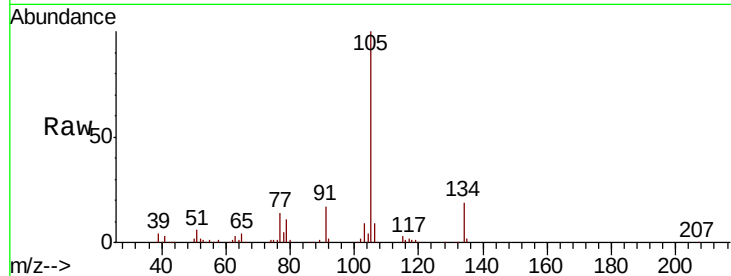
VN0731WBSD01

Tot Ion:105 Resp: 161252

Ion Ratio Lower Upper

105 100

134 18.7 9.5 28.5



#86

p-Isopropyltoluene

Concen: 20.791 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

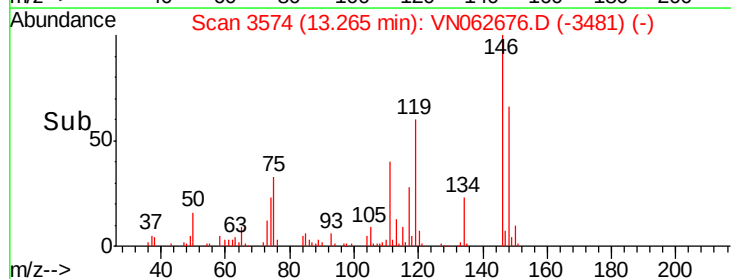
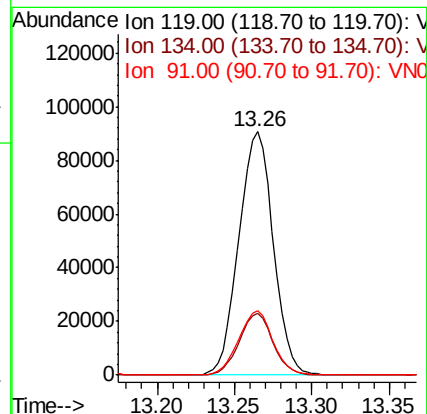
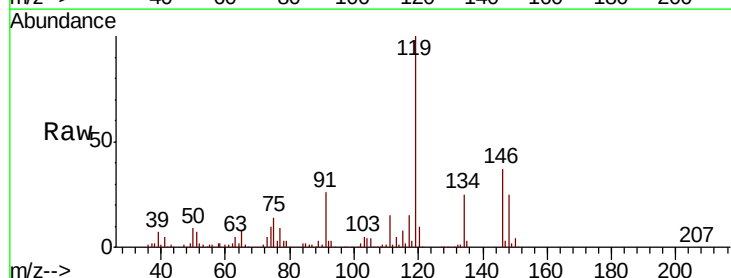
Tgt Ion:119 Resp: 140599

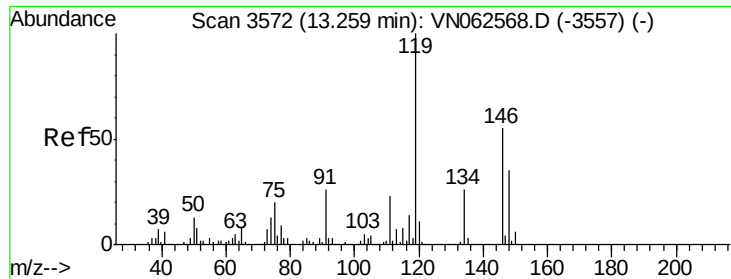
Ion Ratio Lower Upper

119 100

134 24.6 12.8 38.4

91 26.2 12.7 38.1

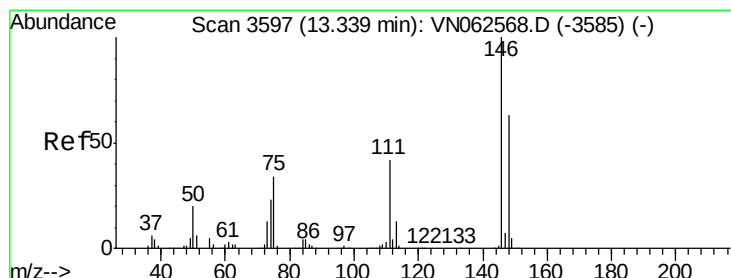
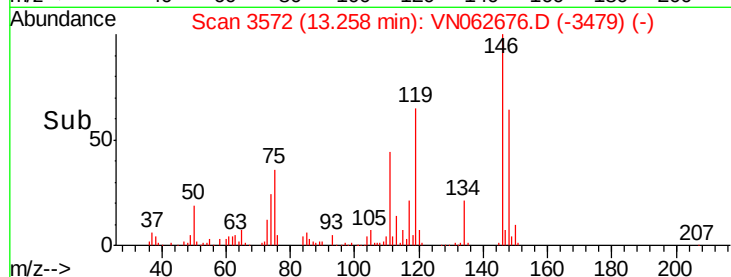
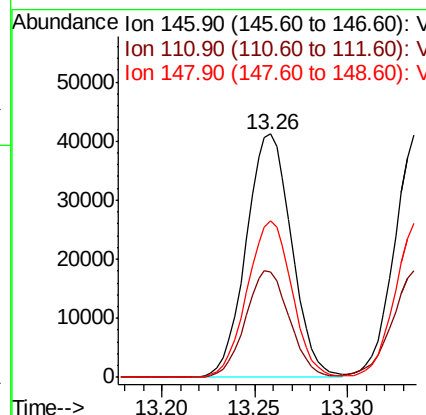
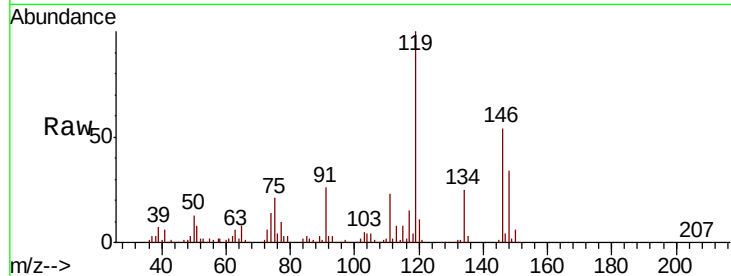




#87
 1,3-Dichlorobenzene
 Concen: 19.497 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

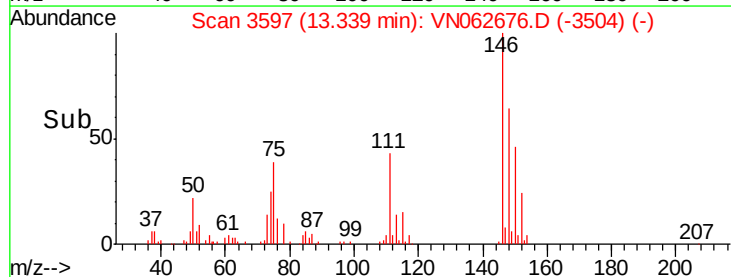
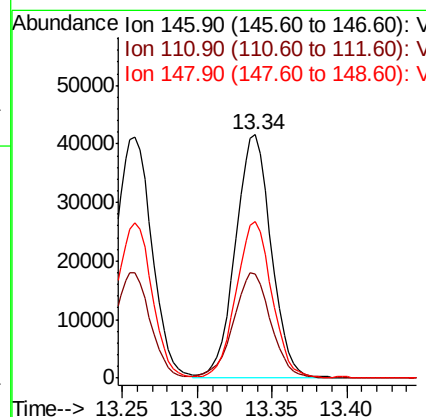
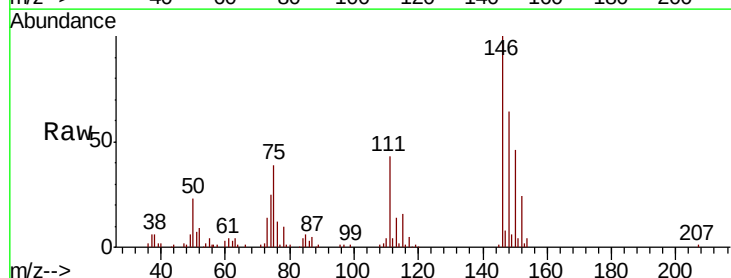
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

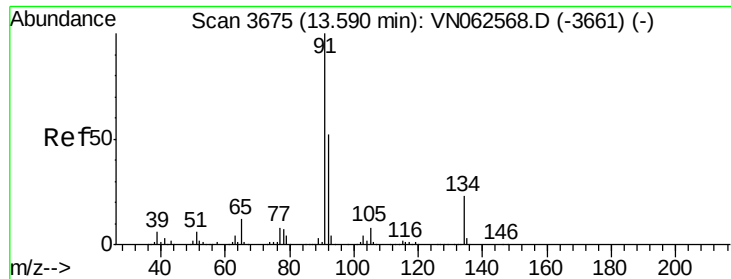
Tot Ion:146 Resp: 70108
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.6 64.6
 148 63.3 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.584 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion:146 Resp: 69324
 Ion Ratio Lower Upper
 146 100
 111 45.3 21.1 63.1
 148 63.5 31.6 94.8





#89

n-Butylbenzene

Concen: 19.517 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

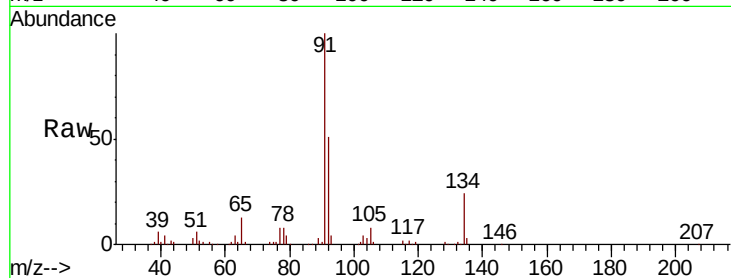
Tot Ion: 91 Resp: 113406

Ion Ratio Lower Upper

91 100

92 51.2 25.8 77.3

134 24.1 11.8 35.3

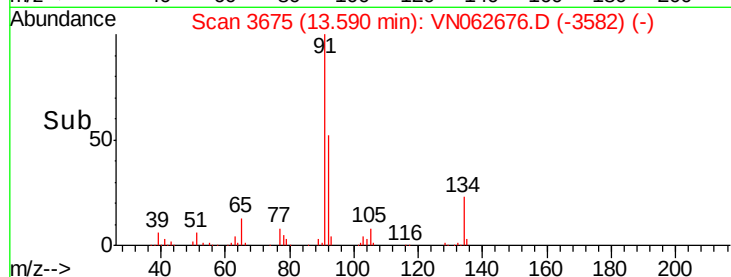


Abundance Ion 91.00 (90.70 to 91.70): VN062568.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN062568.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062568.D (-3661) (-)

Time-->

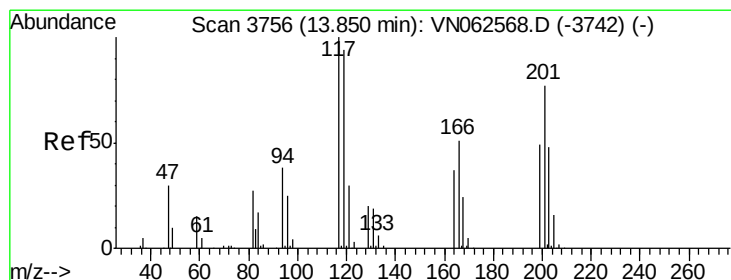


Abundance Ion 91.00 (90.70 to 91.70): VN062676.D (-3582) (-)

Ion 92.00 (91.70 to 92.70): VN062676.D (-3582) (-)

Ion 134.00 (133.70 to 134.70): VN062676.D (-3582) (-)

Time-->



#90

Hexachloroethane

Concen: 19.434 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN062676.D

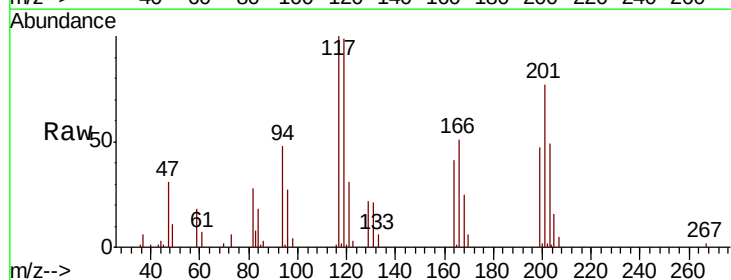
Acq: 31 Jul 2020 11:28

Tgt Ion: 117 Resp: 27978

Ion Ratio Lower Upper

117 100

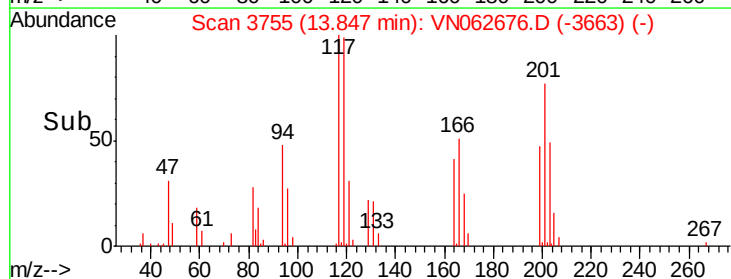
201 78.8 39.2 117.6



Abundance Ion 116.80 (116.50 to 117.50): VN062568.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062568.D (-3742) (-)

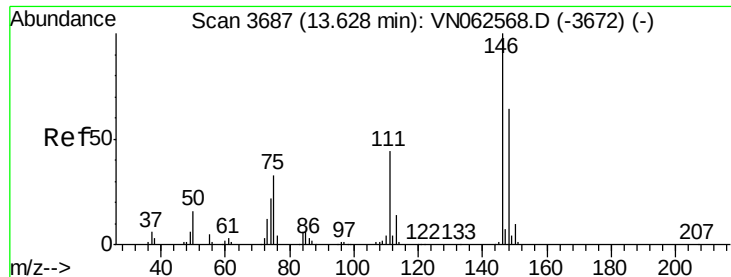
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN062676.D (-3663) (-)

Ion 200.70 (200.40 to 201.40): VN062676.D (-3663) (-)

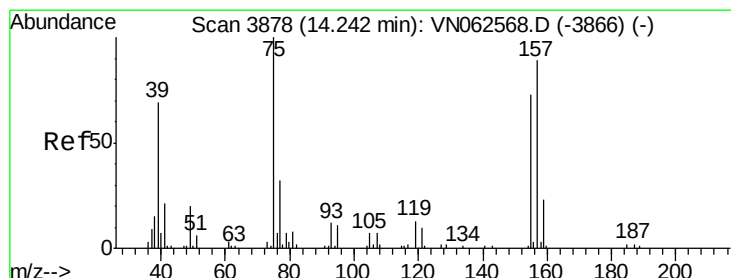
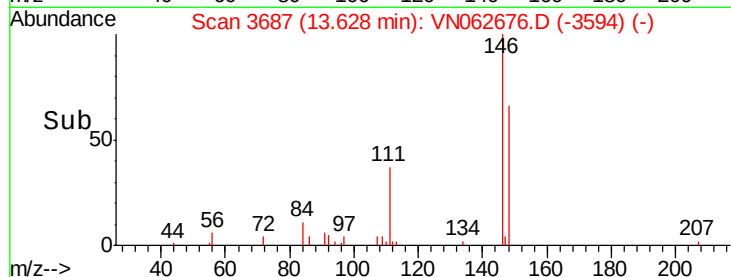
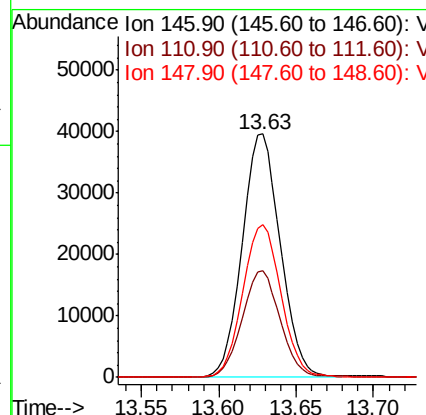
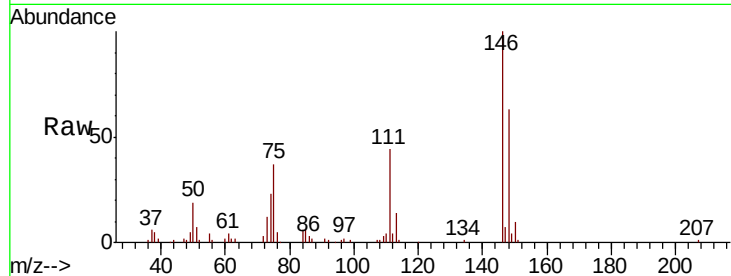
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 19.775 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

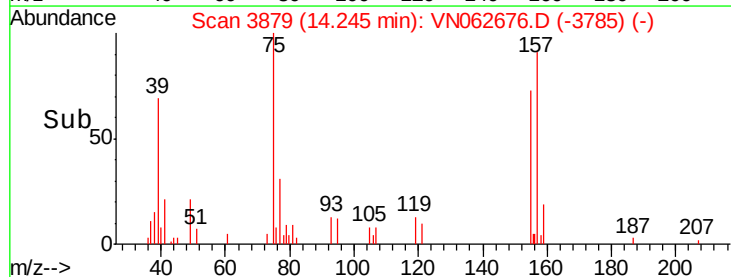
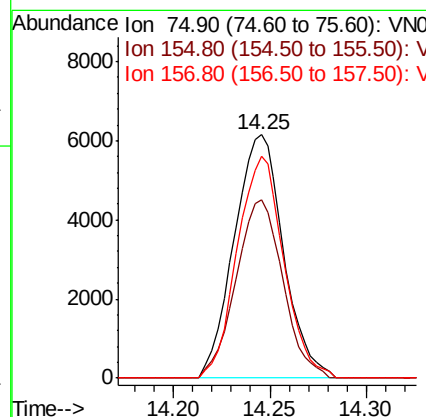
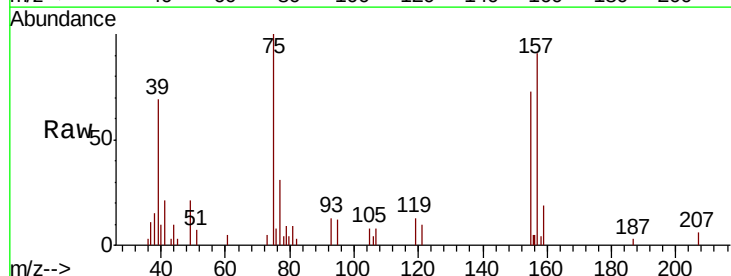
Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBSD01

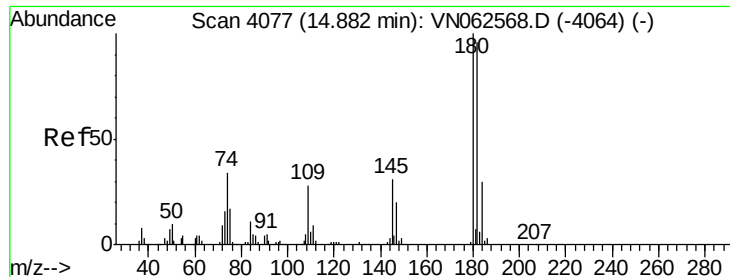
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.8
148	62.9	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.237 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062676.D
 Acq: 31 Jul 2020 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.7	35.9	107.5
157	86.2	45.0	135.0





#93

1,2,4-Trichlorobenzene

Concen: 16.994 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

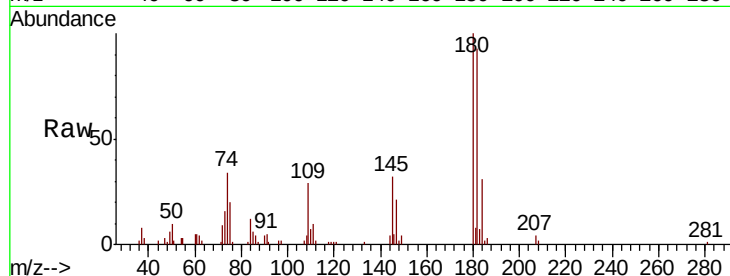
Tot Ion:180 Resp: 26774

Ion Ratio Lower Upper

180 100

182 97.1 47.8 143.3

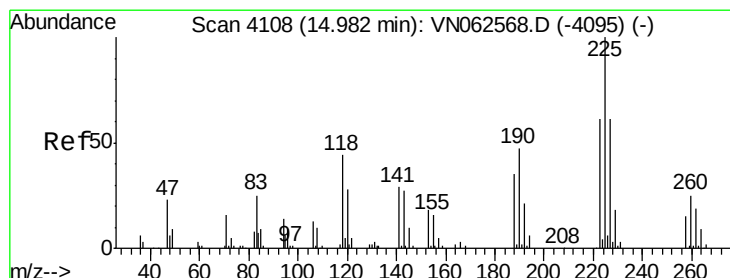
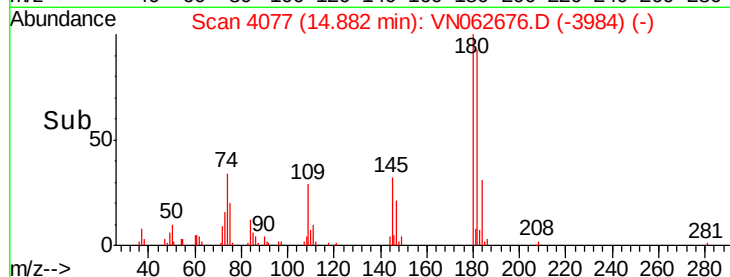
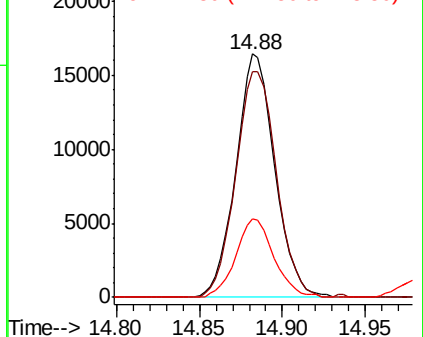
145 31.5 15.3 45.9



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: 21.963 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. 0.00 min

Lab File: VN062676.D

Acq: 31 Jul 2020 11:28

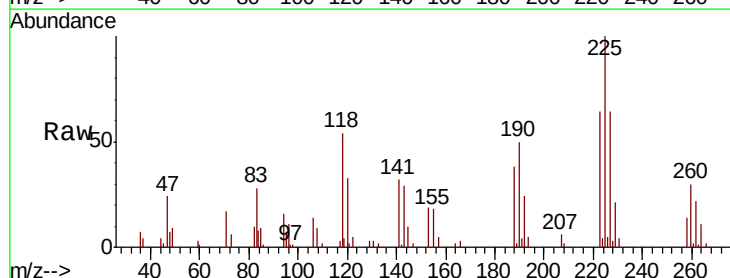
Tgt Ion:225 Resp: 20656

Ion Ratio Lower Upper

225 100

223 62.4 32.0 96.0

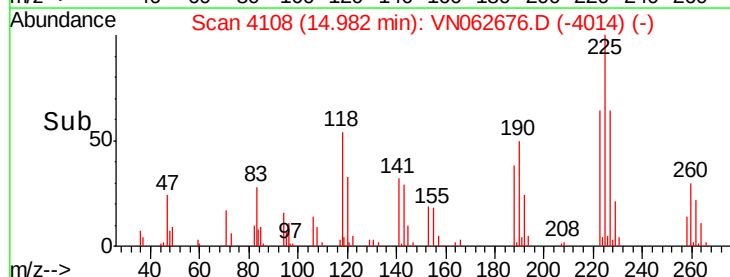
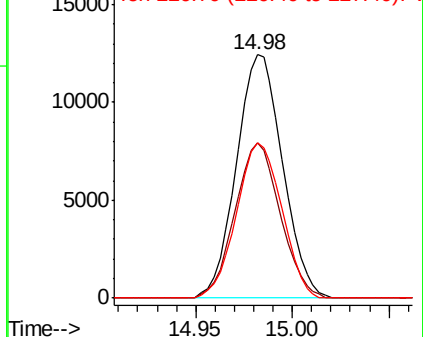
227 62.3 31.1 93.2

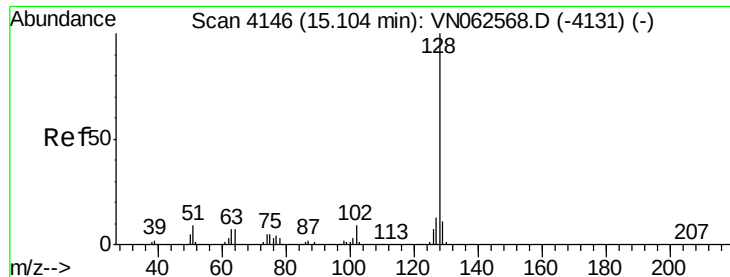


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

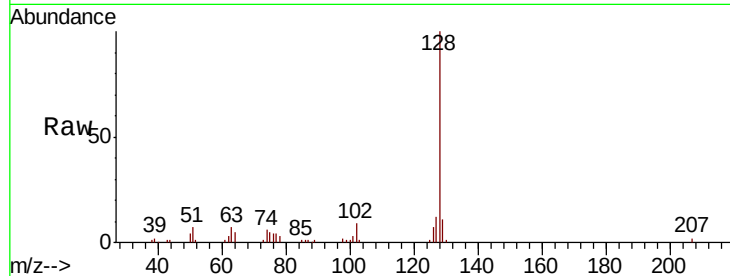




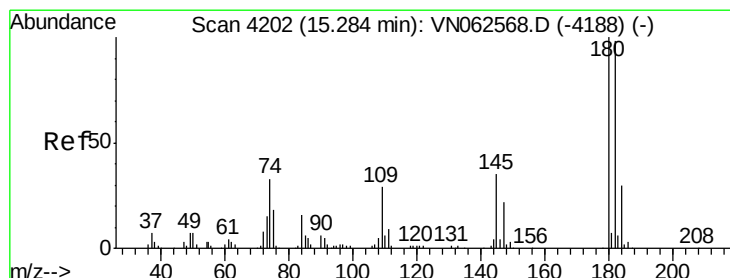
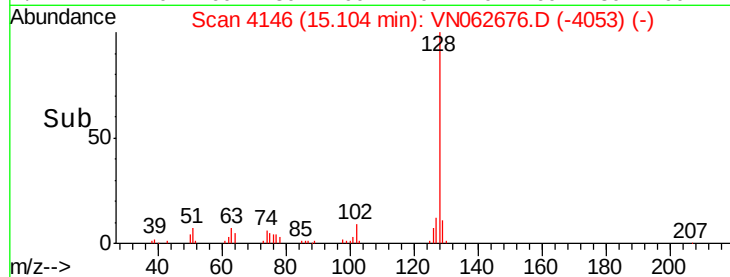
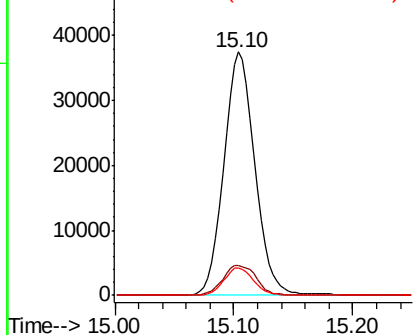
#95
Naphthalene
Concen: 16.763 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion:128 Resp: 67424
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.7 8.7 13.1

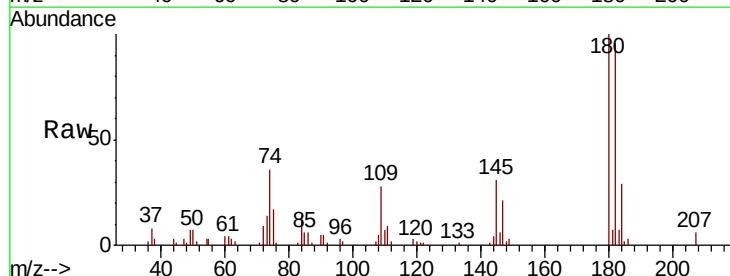


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.068 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062676.D
Acq: 31 Jul 2020 11:28

Tgt Ion:180 Resp: 27657
Ion Ratio Lower Upper
180 100
182 97.5 48.1 144.3
145 33.3 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

