

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090920\
 Data File : VN063279.D
 Acq On : 9 Sep 2020 13:52
 Operator : JC/MD
 Sample : VN0909WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Quant Time: Sep 10 03:53:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	456466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	823143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	749968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	354366	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	376882	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
35) Dibromofluoromethane	7.55	113	275510	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
50) Toluene-d8	10.06	98	1052828	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.38	95	399421	56.18	ug/l	0.00
Spiked Amount			Recovery	=	112.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	86364	19.211	ug/l	99
3) Chloromethane	2.04	50	119388	18.238	ug/l	98
4) Vinyl Chloride	2.17	62	121686	16.829	ug/l	98
5) Bromomethane	2.54	94	82368	13.532	ug/l	93
6) Chloroethane	2.68	64	79525	13.832	ug/l	98
7) Trichlorofluoromethane	2.99	101	190133	16.471	ug/l	98
8) Diethyl Ether	3.37	74	70822	20.471	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	99217	20.187	ug/l	97
10) Methyl Iodide	3.91	142	125263	18.687	ug/l	98
11) Tert butyl alcohol	4.73	59	103833	113.362	ug/l #	84
12) 1,1-Dichloroethene	3.70	96	98350	19.638	ug/l	98
13) Acrolein	3.58	56	17812	63.626	ug/l	96
14) Allyl chloride	4.28	41	179415	20.171	ug/l	95
15) Acrylonitrile	4.93	53	259332	102.510	ug/l	99
16) Acetone	3.78	43	239145	112.740	ug/l	99
17) Carbon Disulfide	4.02	76	265397	17.804	ug/l	97
18) Methyl Acetate	4.28	43	137438	25.270	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	372334	20.041	ug/l	98
20) Methylene Chloride	4.51	84	116944	19.305	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	105859	19.132	ug/l	97
22) Diisopropyl ether	5.90	45	410225	20.581	ug/l	96
23) Vinyl Acetate	5.84	43	1654317	104.020	ug/l	96
24) 1,1-Dichloroethane	5.80	63	217333	19.779	ug/l	98
25) 2-Butanone	6.78	43	370819	112.901	ug/l	95
26) 2,2-Dichloropropane	6.78	77	183852	18.467	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	128646	19.129	ug/l	96
28) Bromochloromethane	7.15	49	103121	17.963	ug/l	100
29) Tetrahydrofuran	7.17	42	248000	109.200	ug/l	96
30) Chloroform	7.33	83	223609	19.451	ug/l	95
31) Cyclohexane	7.62	56	191217	18.648	ug/l #	92
32) 1,1,1-Trichloroethane	7.53	97	194912	19.676	ug/l	99
36) 1,1-Dichloropropene	7.75	75	161302	20.384	ug/l	99
37) Ethyl Acetate	6.88	43	166546	22.499	ug/l #	96
38) Carbon Tetrachloride	7.74	117	166300	20.722	ug/l	99

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

39) Methylcyclohexane	9.05	83	173673	19.536	ug/l	95
40) Benzene	8.00	78	474877	20.421	ug/l	100
41) Methacrylonitrile	7.13	41	78997	23.697	ug/l #	92
42) 1,2-Dichloroethane	8.09	62	185576	21.364	ug/l	99
43) Isopropyl Acetate	8.13	43	282678	21.904	ug/l	98
44) Trichloroethene	8.80	130	126164	22.368	ug/l	98
45) 1,2-Dichloropropane	9.08	63	131114	21.295	ug/l	96
46) Dibromomethane	9.18	93	86302	21.152	ug/l	99
47) Bromodichloromethane	9.37	83	178667	20.429	ug/l	100
48) Methyl methacrylate	9.17	41	135988	23.375	ug/l	97
49) 1,4-Dioxane	9.17	88	40524	450.348	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	829645	118.303	ug/l	99
52) Toluene	10.13	92	291683	20.136	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	192501	20.122	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	209524	20.865	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	115316	20.786	ug/l	97
56) Ethyl methacrylate	10.40	69	178705	21.167	ug/l	98
57) 1,3-Dichloropropane	10.68	76	203422	20.583	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	420833	96.258	ug/l	98
59) 2-Hexanone	10.72	43	596636	121.057	ug/l	99
60) Dibromochloromethane	10.87	129	129617	21.133	ug/l	99
61) 1,2-Dibromoethane	10.98	107	121634	21.091	ug/l	98
64) Tetrachloroethene	10.60	164	121432	22.548	ug/l	98
65) Chlorobenzene	11.41	112	315387	20.879	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	116405	20.756	ug/l	99
67) Ethyl Benzene	11.49	91	593963	21.554	ug/l	100
68) m/p-Xylenes	11.59	106	423635	41.508	ug/l	97
69) o-Xylene	11.92	106	209195	21.218	ug/l	99
70) Styrene	11.94	104	353979	20.891	ug/l	97
71) Bromoform	12.10	173	83815	22.022	ug/l #	98
73) Isopropylbenzene	12.23	105	560184	20.611	ug/l	100
74) N-amyl acetate	12.05	43	242109	21.505	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	161463	20.605	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	224696	32.272	ug/l #	100
77) Bromobenzene	12.50	156	156246	25.419	ug/l	76
78) n-propylbenzene	12.57	91	649551	20.653	ug/l	99
79) 2-Chlorotoluene	12.65	91	392445	20.833	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	474414	20.970	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	54443	18.899	ug/l	94
82) 4-Chlorotoluene	12.75	91	410505	21.012	ug/l	98
83) tert-Butylbenzene	12.97	119	388846	20.041	ug/l	96
84) 1,2,4-Trimethylbenzene	13.02	105	487549	21.381	ug/l	97
85) sec-Butylbenzene	13.15	105	514791	20.358	ug/l	100
86) p-Isopropyltoluene	13.26	119	465976	20.756	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	232932	20.628	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	226923	19.407	ug/l	95
89) n-Butylbenzene	13.59	91	423770	20.433	ug/l	99
90) Hexachloroethane	13.85	117	77484	18.645	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	230870	21.068	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	38904	22.583	ug/l	89

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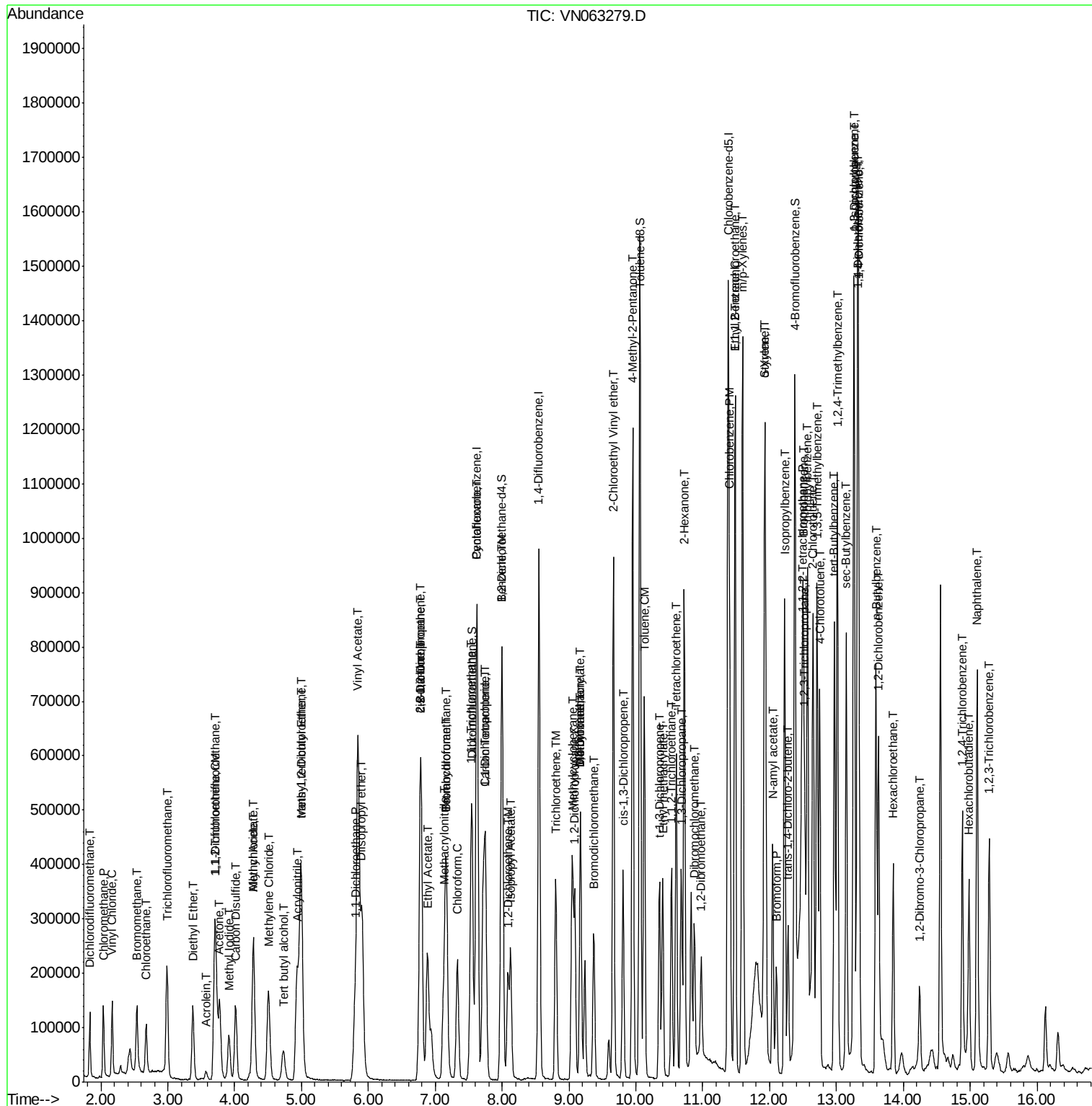
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	135680	22.162	ug/l	99
94) Hexachlorobutadiene	14.98	225	52212	22.830	ug/l	97
95) Naphthalene	15.10	128	553075	27.078	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	126664	21.236	ug/l	99

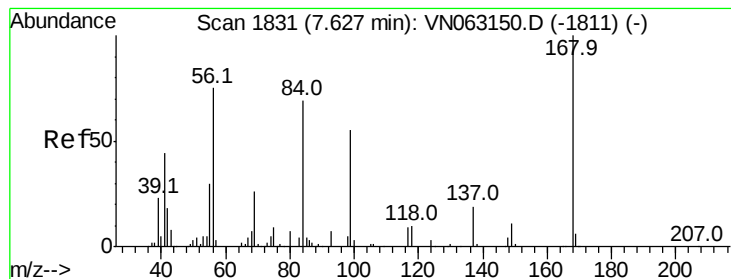
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

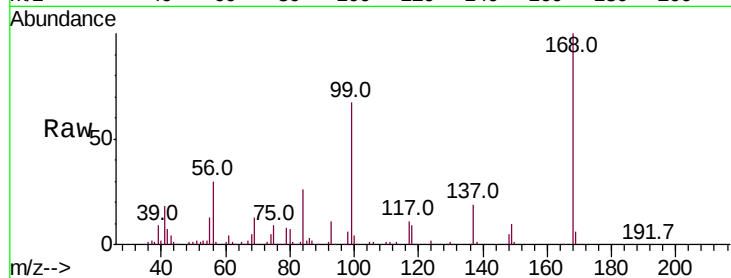
VN0909WBSD01

Tot Ion:168 Resp: 456466

Ion Ratio Lower Upper

168 100

99 66.4 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

200000

150000

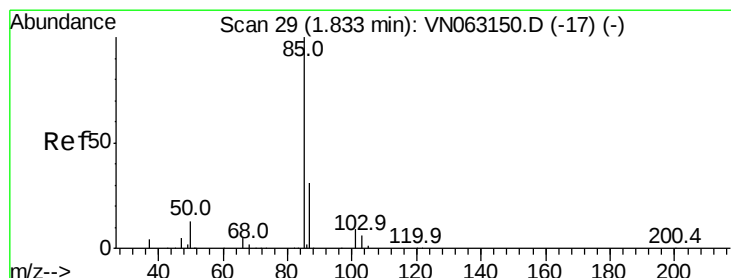
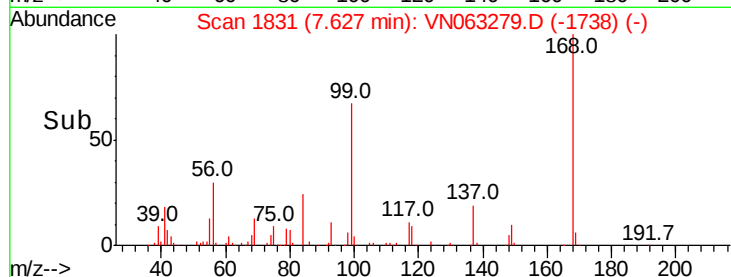
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.211 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063279.D

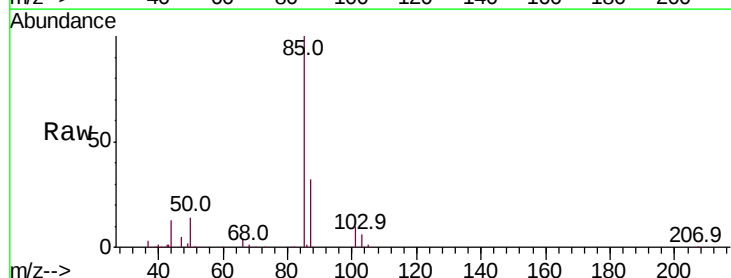
Acq: 9 Sep 2020 13:52

Tgt Ion: 85 Resp: 86364

Ion Ratio Lower Upper

85 100

87 31.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

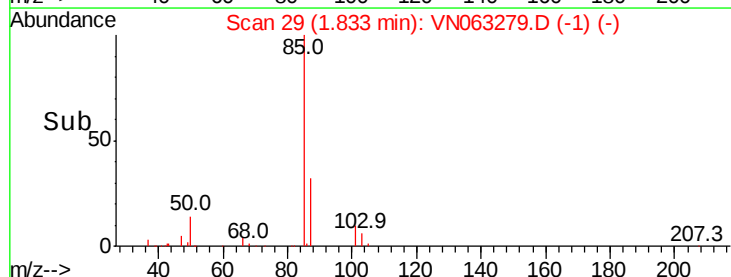
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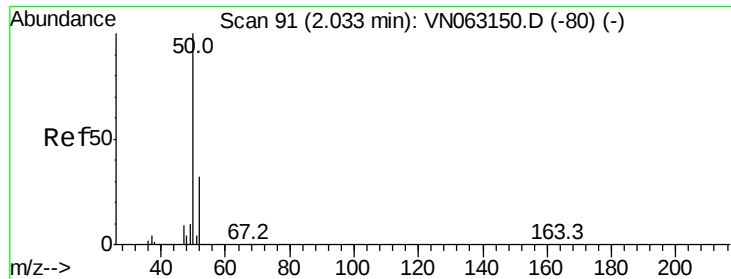
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.238 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

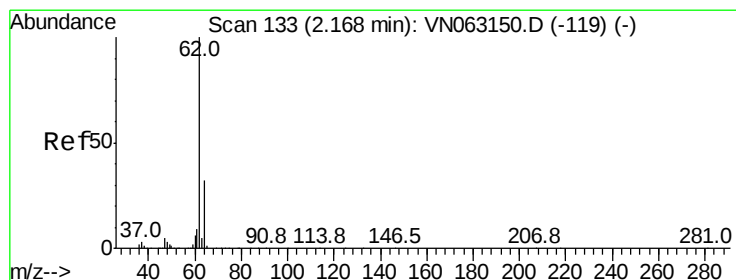
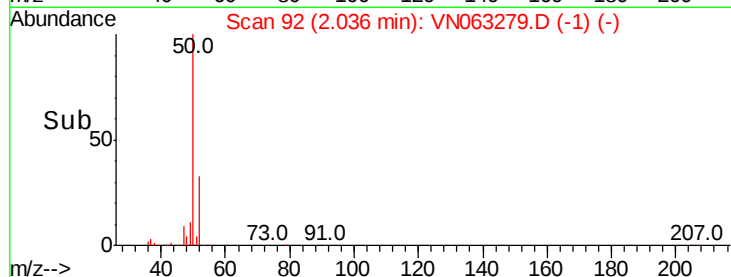
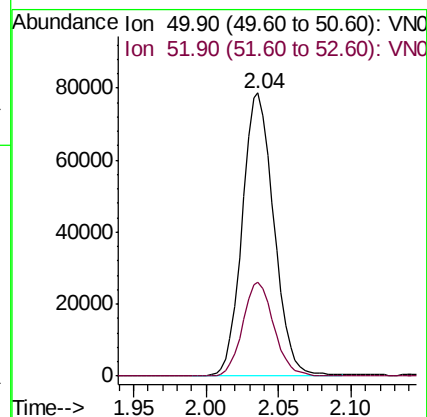
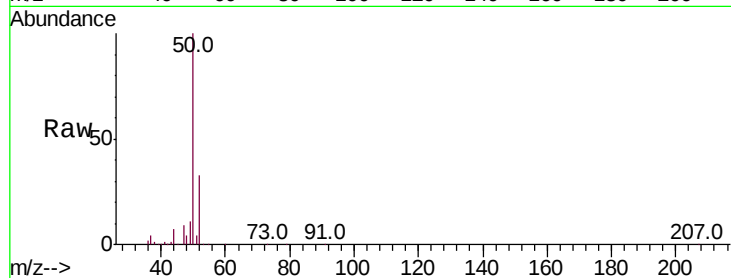
VN0909WBSD01

Tot Ion: 50 Resp: 119388

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.6



#4

Vinyl Chloride

Concen: 16.829 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN063279.D

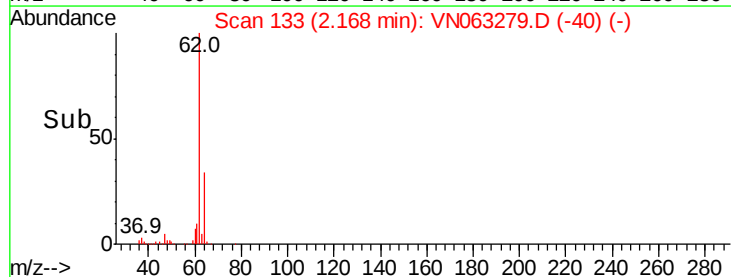
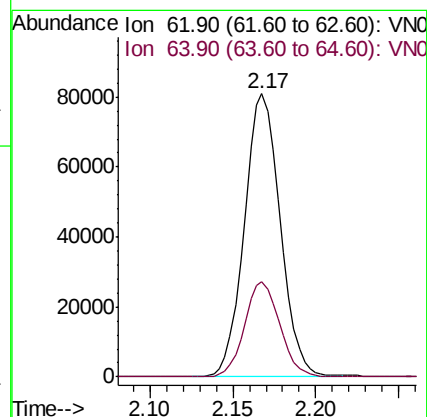
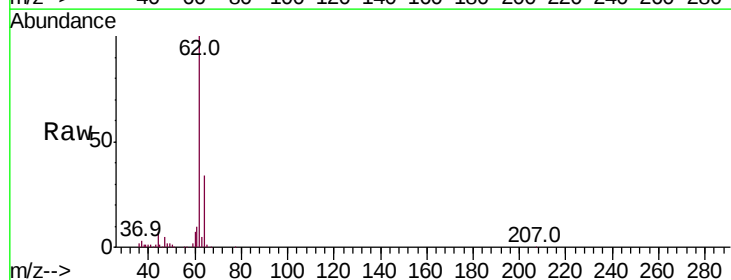
Acq: 9 Sep 2020 13:52

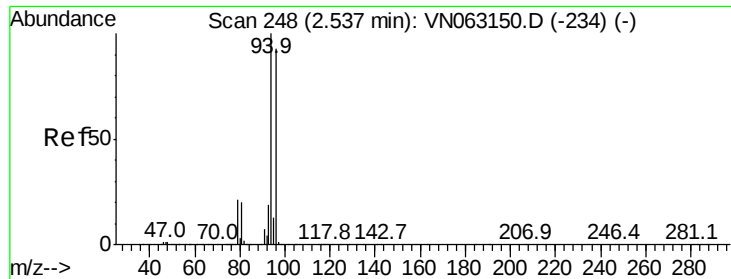
Tgt Ion: 62 Resp: 121686

Ion Ratio Lower Upper

62 100

64 33.6 25.8 38.8





#5

Bromomethane

Concen: 13.532 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

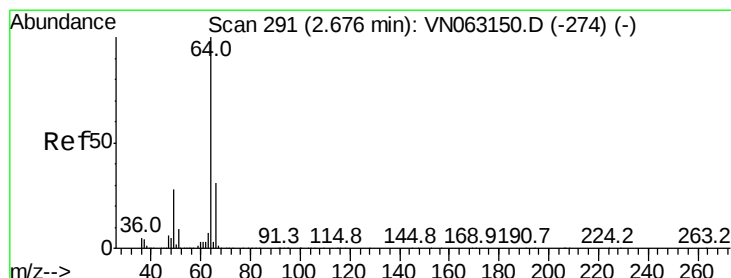
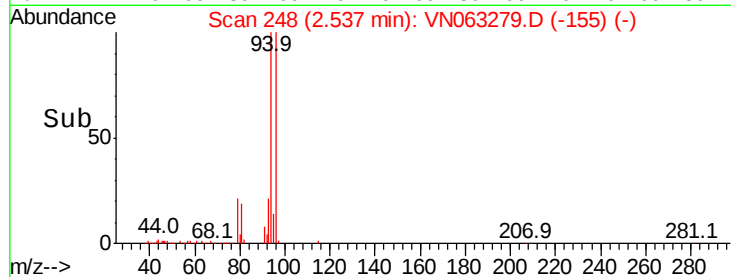
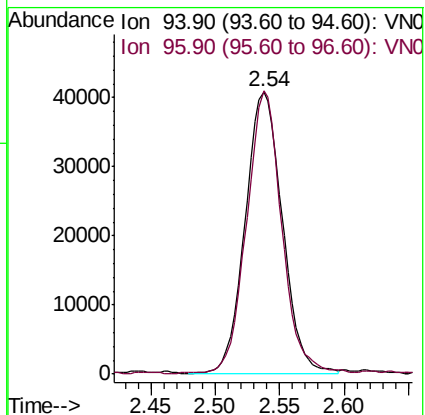
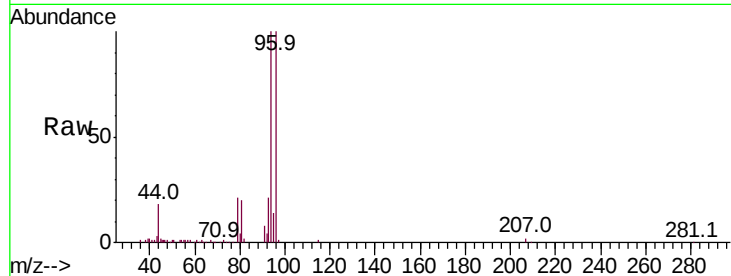
VN0909WBSD01

Tot Ion: 94 Resp: 82368

Ion Ratio Lower Upper

94 100

96 99.8 74.4 111.6



#6

Chloroethane

Concen: 13.832 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN063279.D

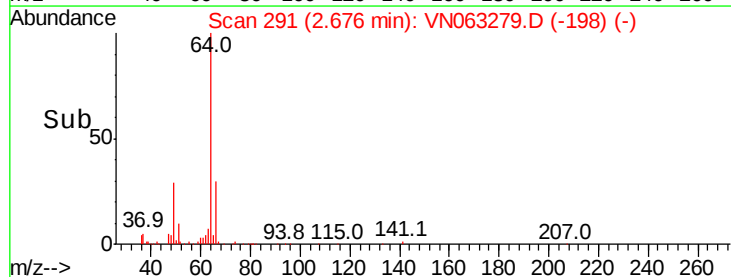
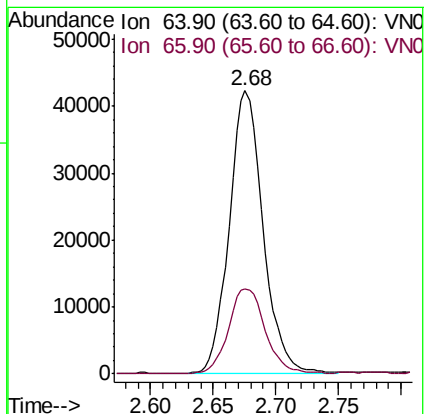
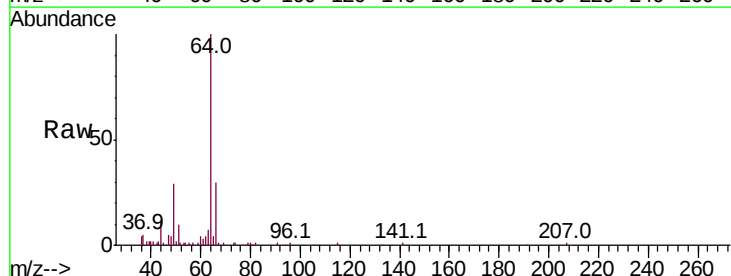
Acq: 9 Sep 2020 13:52

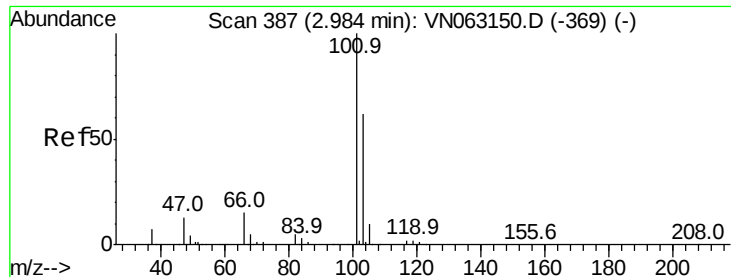
Tgt Ion: 64 Resp: 79525

Ion Ratio Lower Upper

64 100

66 30.0 24.7 37.1



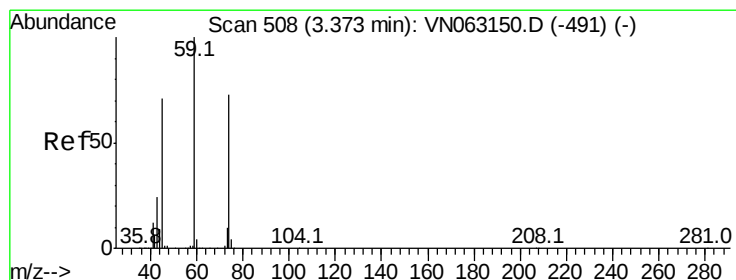
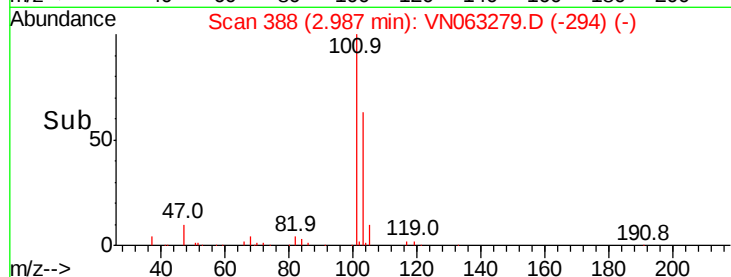
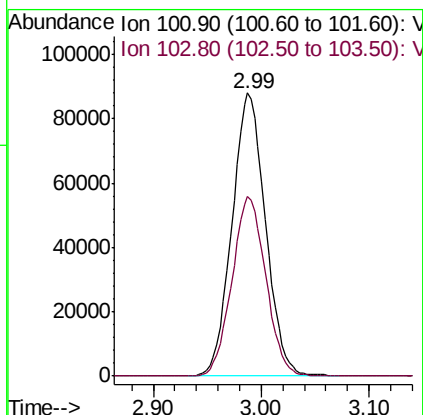
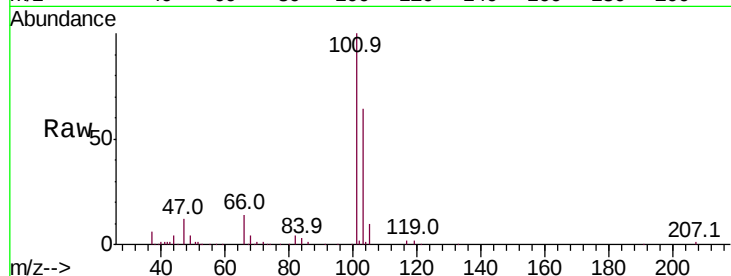


#7

Trichlorofluoromethane
 Concen: 16.471 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Instrument :
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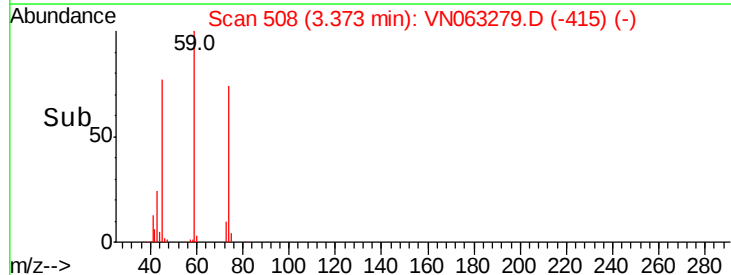
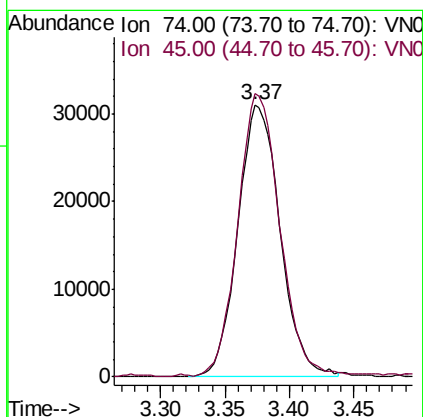
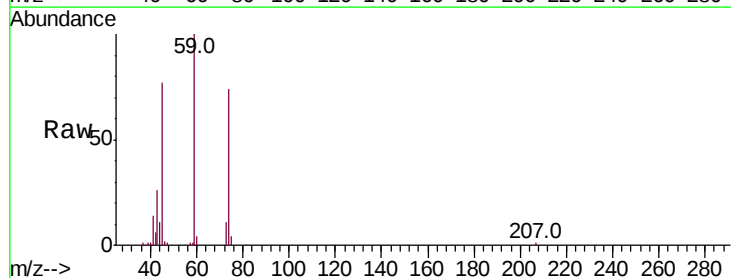
Tot Ion:101 Resp: 190133
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.7 74.5

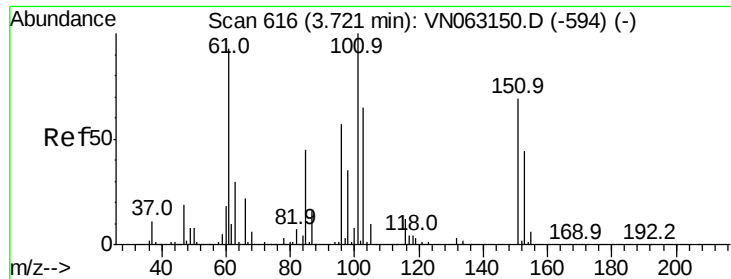


#8

Diethyl Ether
 Concen: 20.471 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Tgt Ion: 74 Resp: 70822
 Ion Ratio Lower Upper
 74 100
 45 104.0 49.5 148.5

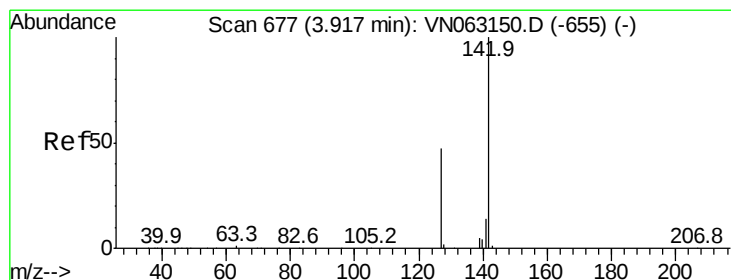
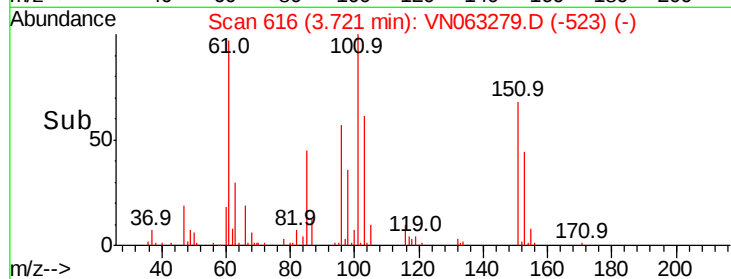
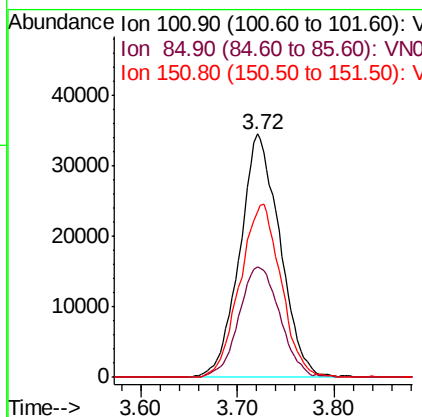
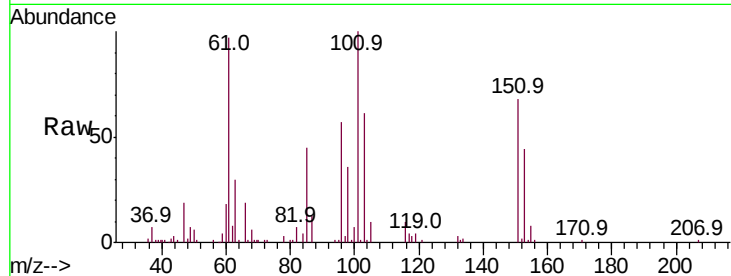




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.187 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

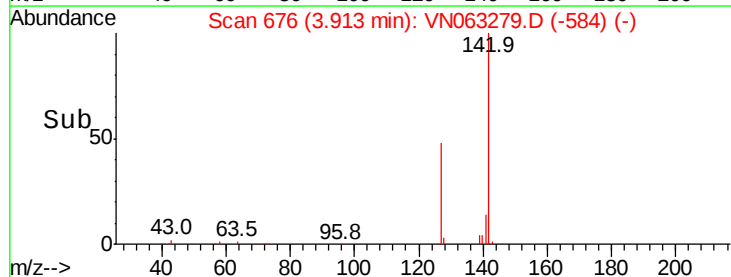
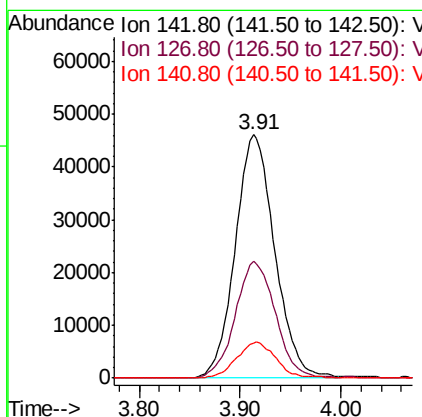
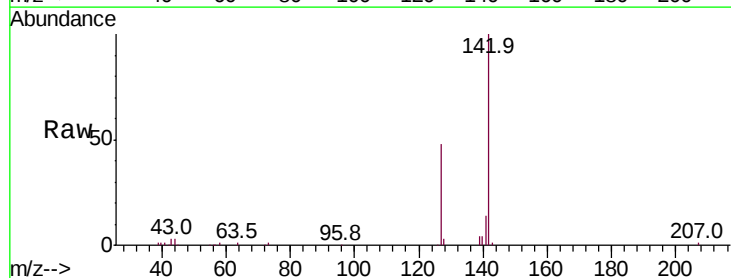
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

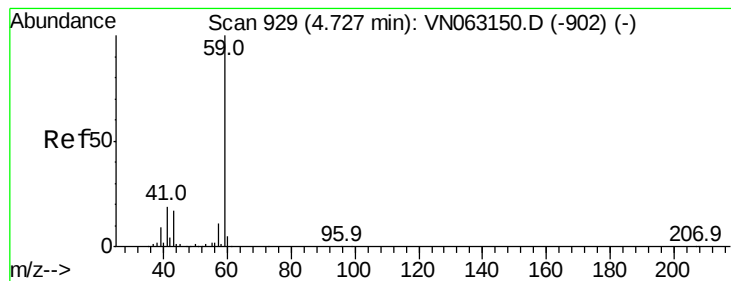
Tot Ion	Ratio	Lower	Upper
101	100		
85	46.5	37.8	56.8
151	72.7	55.0	82.4



#10
 Methyl Iodide
 Concen: 18.687 ug/l
 RT: 3.91 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.6	56.4
141	14.6	11.3	16.9



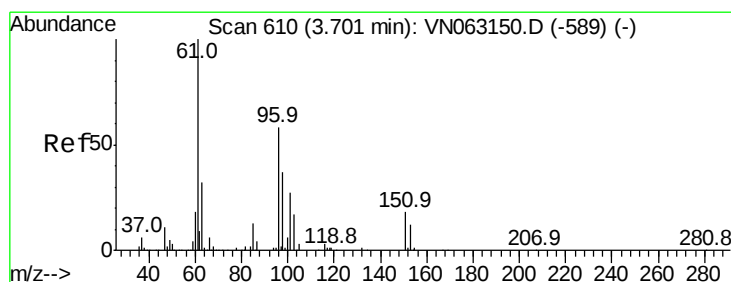
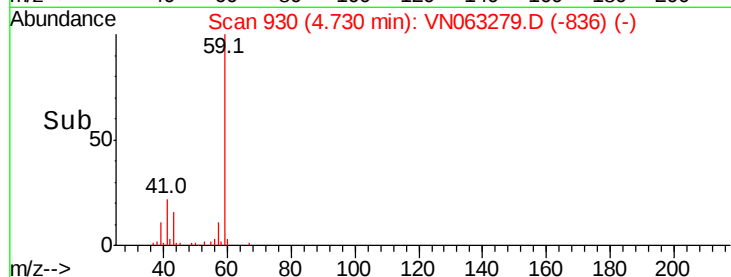
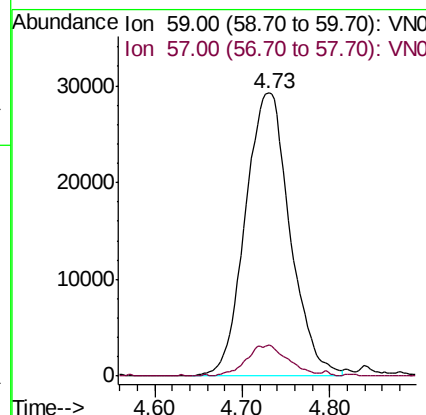
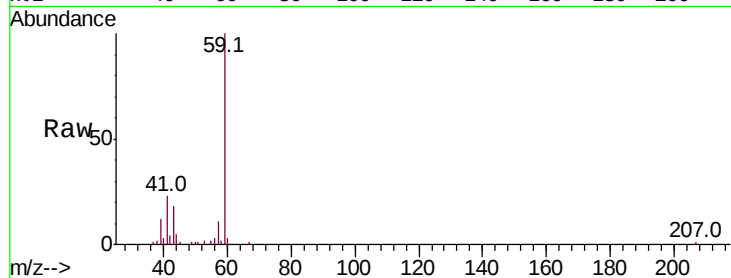


#11

Tert butyl alcohol
 Concen: 113.362 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

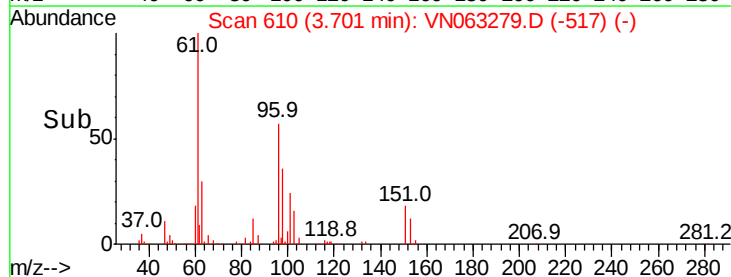
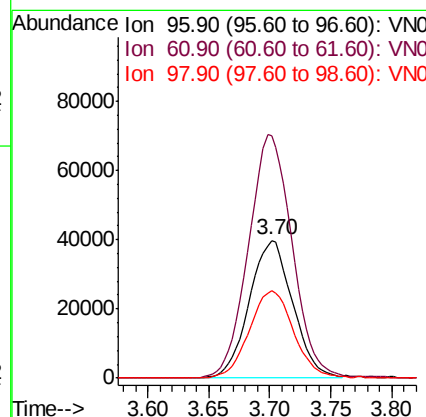
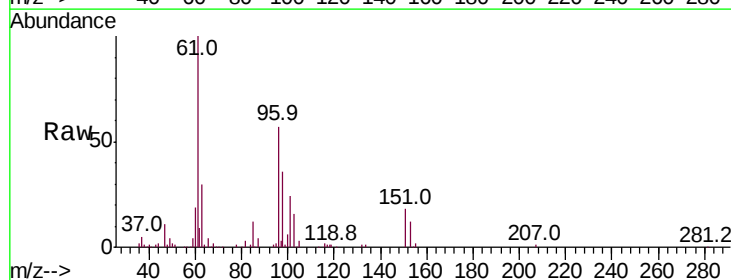
Tot Ion: 59 Resp: 103833
 Ion Ratio Lower Upper
 59 100
 57 4.5 8.4 12.6#

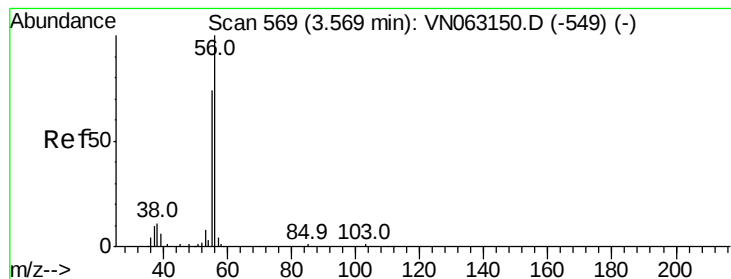


#12

1,1-Dichloroethene
 Concen: 19.638 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Tgt Ion: 96 Resp: 98350
 Ion Ratio Lower Upper
 96 100
 61 175.8 137.4 206.2
 98 63.0 50.5 75.7





#13

Acrolein

Concen: 63.626 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

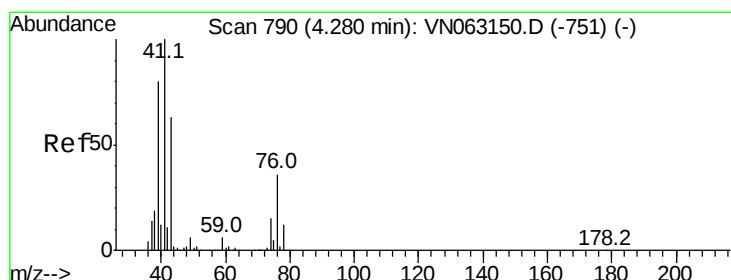
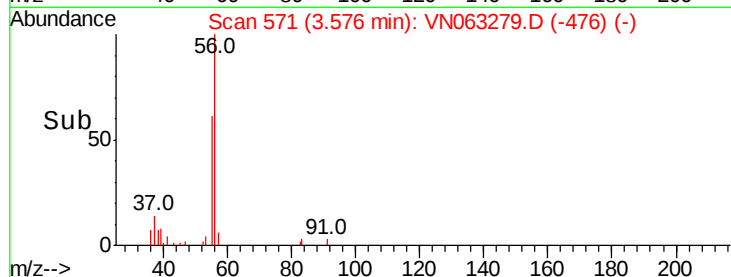
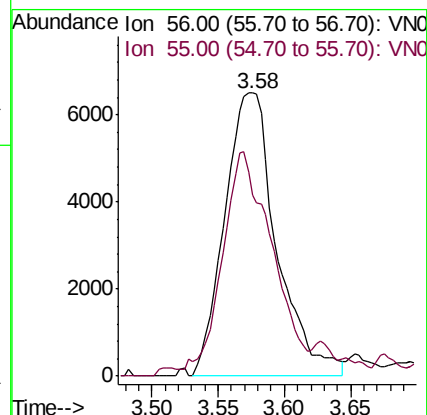
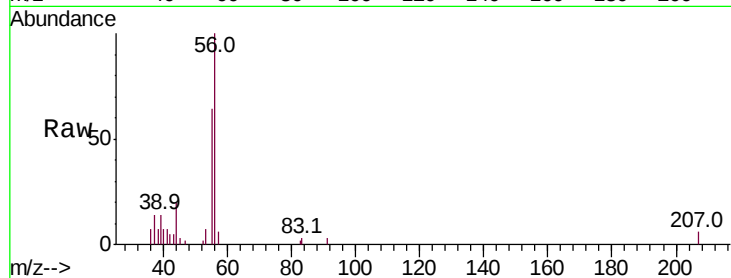
VN0909WBSD01

Tot Ion: 56 Resp: 17812

Ion Ratio Lower Upper

56 100

55 72.5 55.4 83.0



#14

Allyl chloride

Concen: 20.171 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

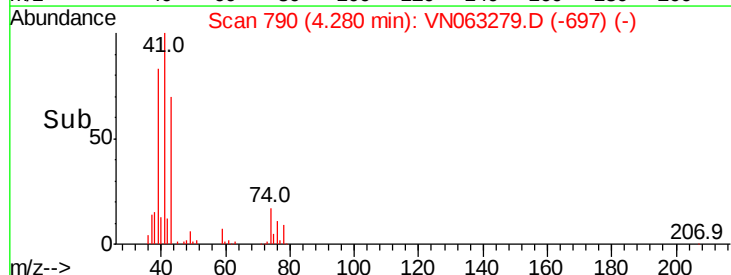
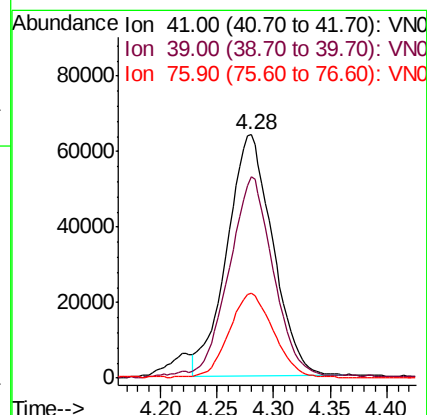
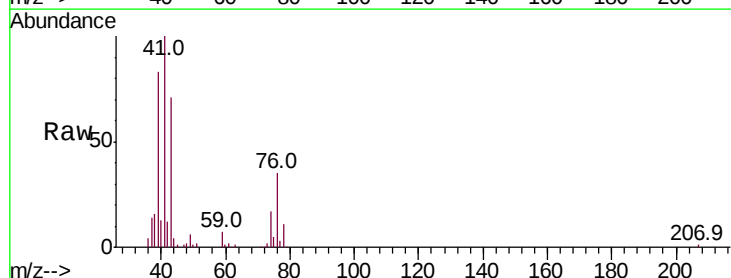
Tgt Ion: 41 Resp: 179415

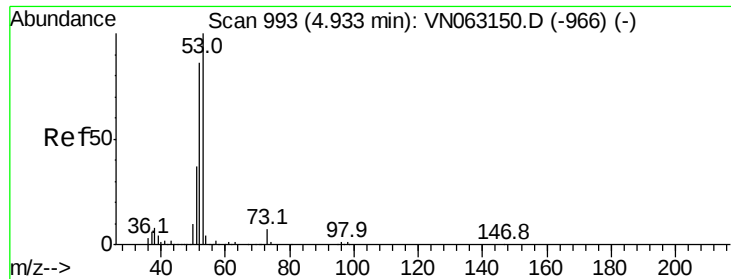
Ion Ratio Lower Upper

41 100

39 81.4 60.2 90.2

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 102.510 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

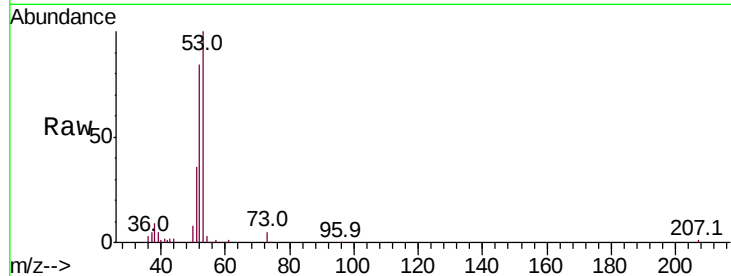
Tot Ion: 53 Resp: 259332

Ion Ratio Lower Upper

53 100

52 84.6 67.2 100.8

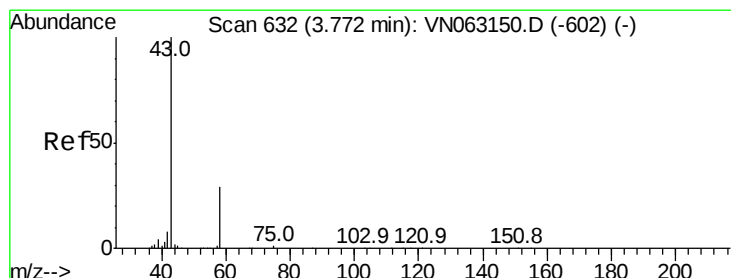
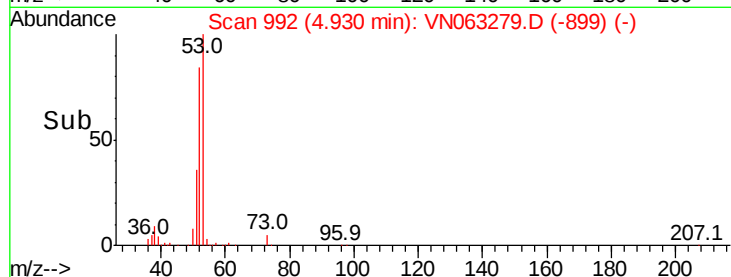
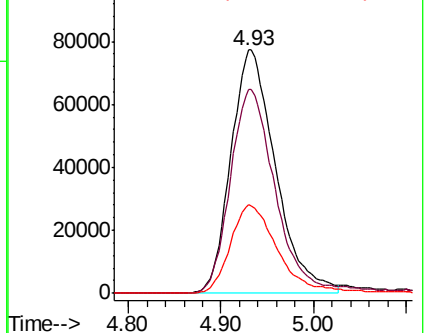
51 38.1 30.2 45.4



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: 112.740 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063279.D

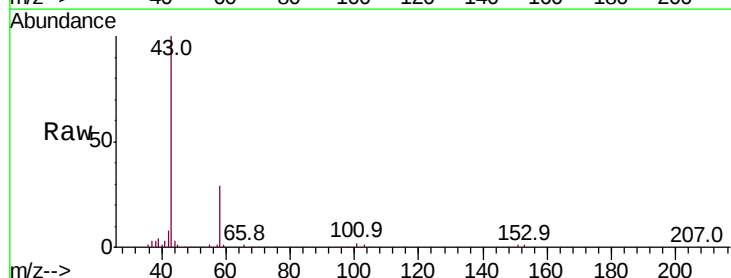
Acq: 9 Sep 2020 13:52

Tgt Ion: 43 Resp: 239145

Ion Ratio Lower Upper

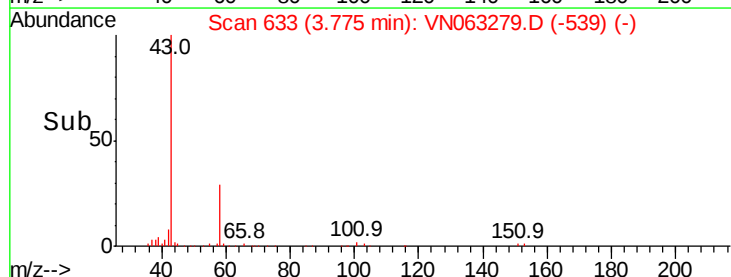
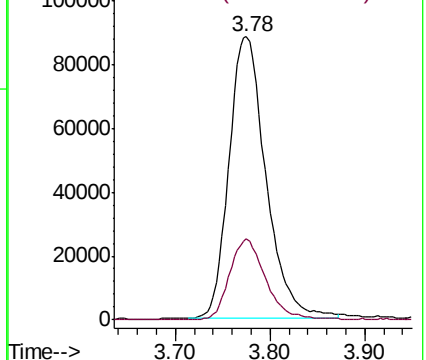
43 100

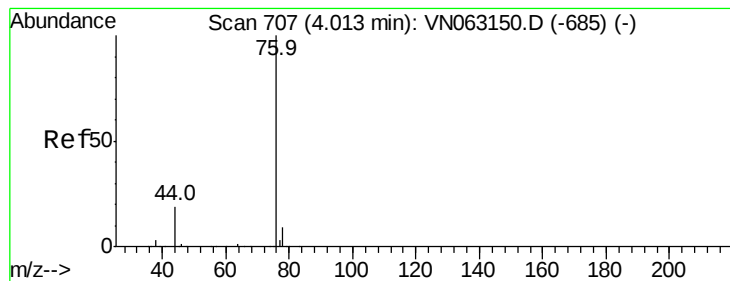
58 28.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.804 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

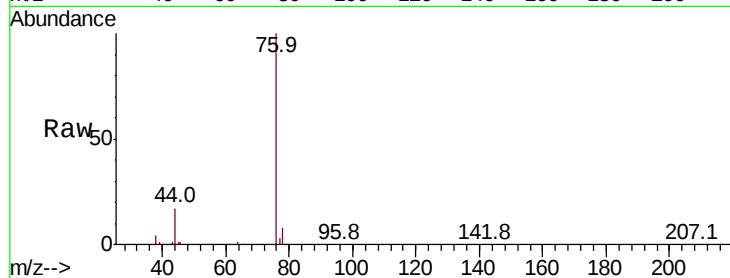
VN0909WBSD01

Tot Ion: 76 Resp: 265397

Ion Ratio Lower Upper

76 100

78 8.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

120000

100000

80000

60000

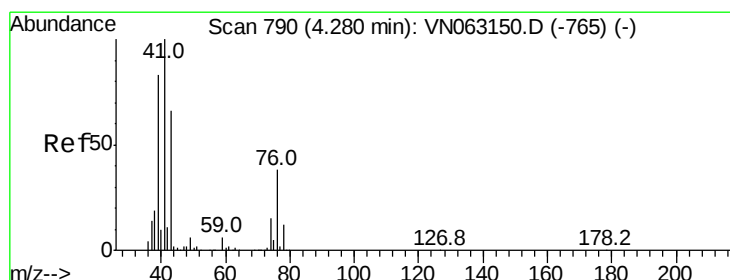
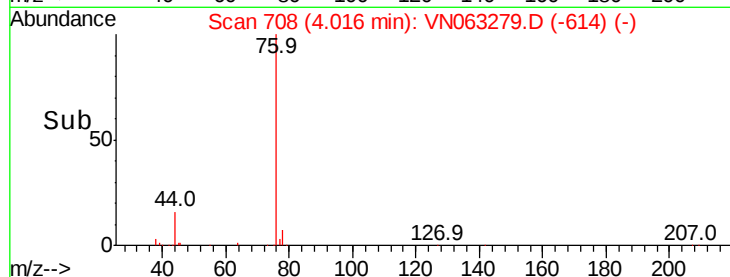
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 25.270 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN063279.D

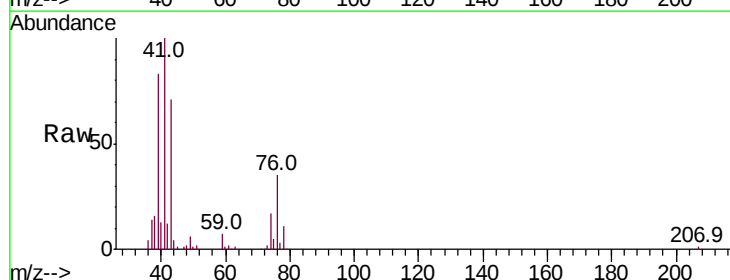
Acq: 9 Sep 2020 13:52

Tgt Ion: 43 Resp: 137438

Ion Ratio Lower Upper

43 100

74 22.6 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

50000

40000

30000

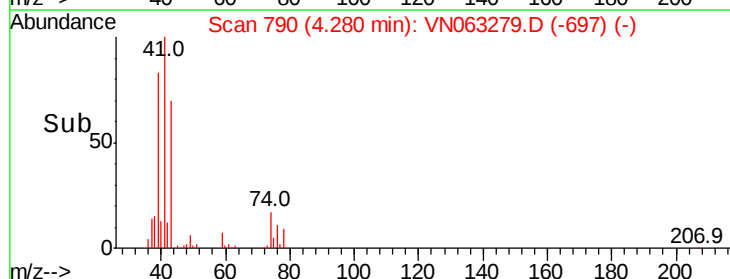
20000

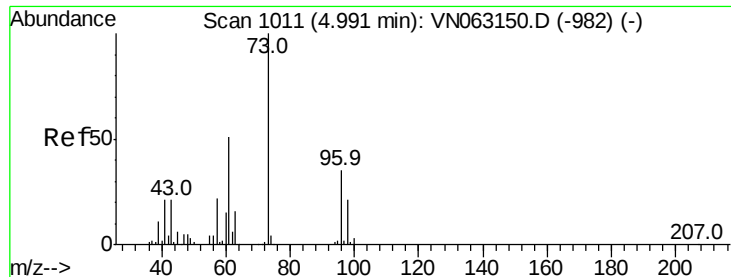
10000

0

Time-->

4.20 4.30 4.40

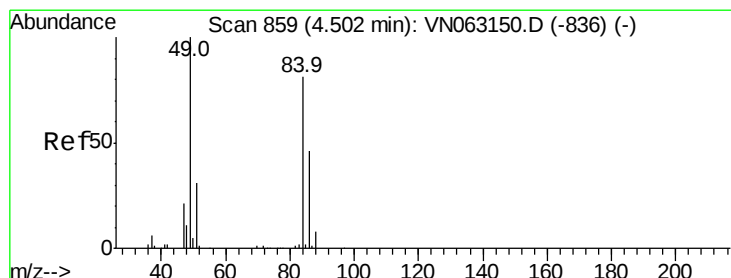
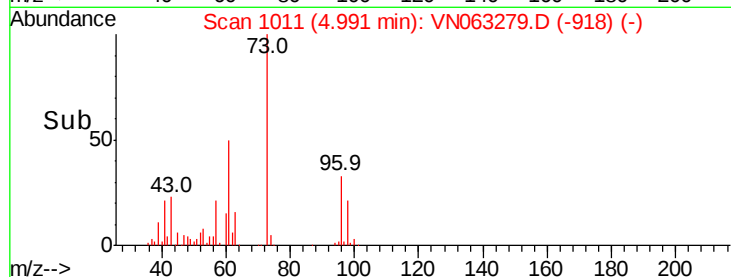
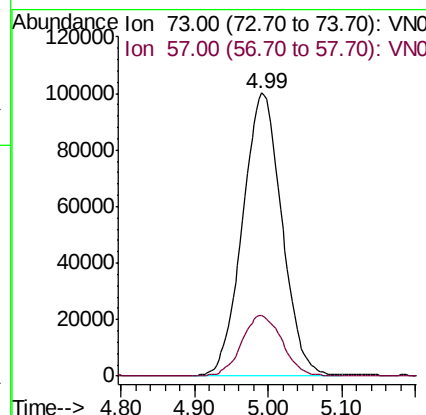
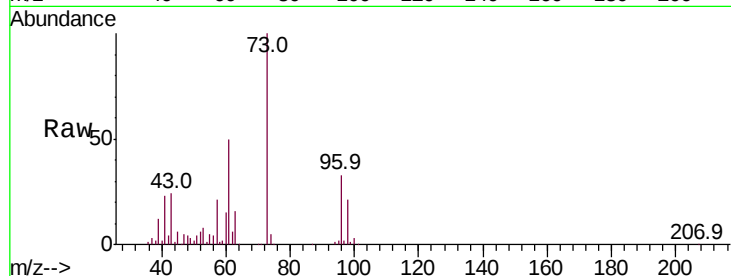




#19
Methyl tert-butyl Ether
Concen: 20.041 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

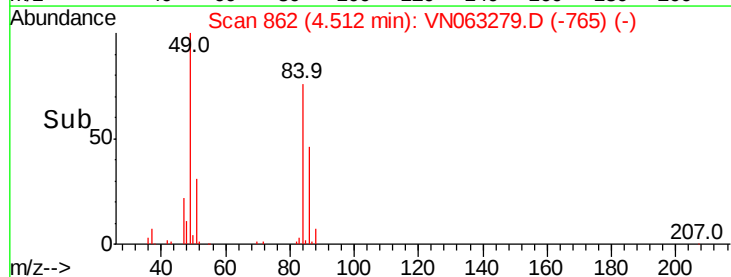
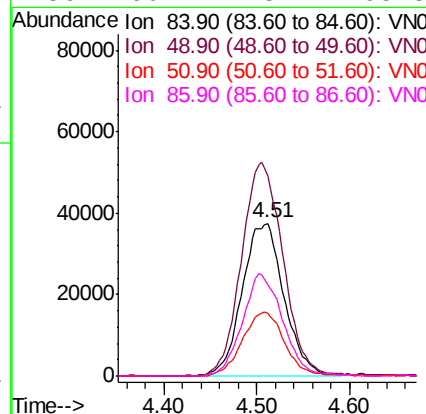
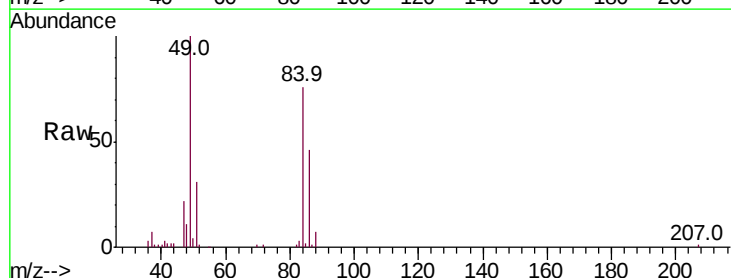
Instrument :
MSVOA_N
ClientSampled :
VN0909WBSD01

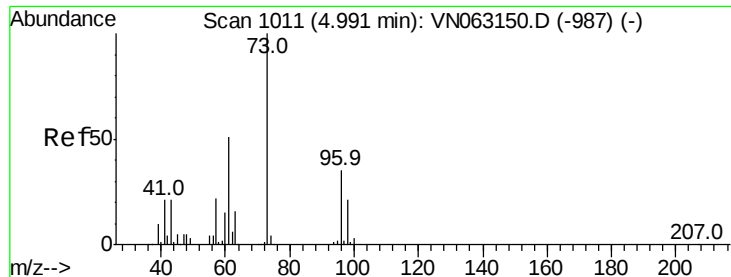
Tot Ion: 73 Resp: 372334
Ion Ratio Lower Upper
73 100
57 21.2 17.6 26.4



#20
Methylene Chloride
Concen: 19.305 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion: 84 Resp: 116944
Ion Ratio Lower Upper
84 100
49 131.0 98.4 147.6
51 40.8 30.4 45.6
86 60.1 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 19.132 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

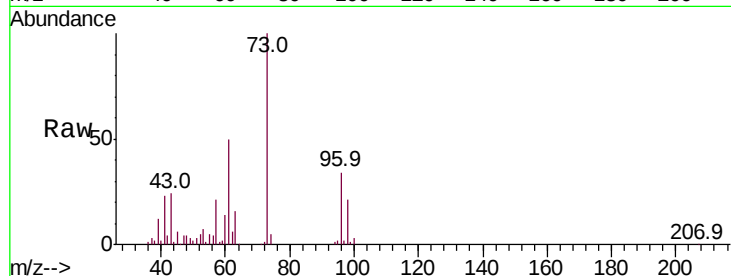
Tot Ion: 96 Resp: 105859

Ion Ratio Lower Upper

96 100

61 149.4 116.2 174.4

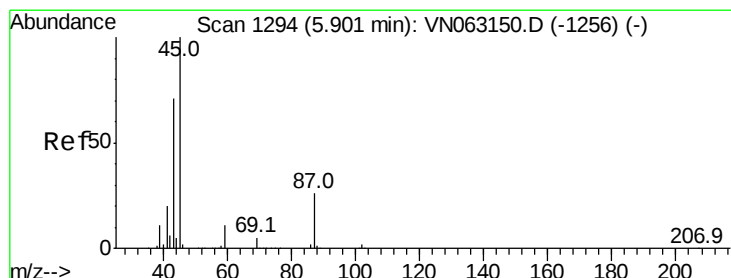
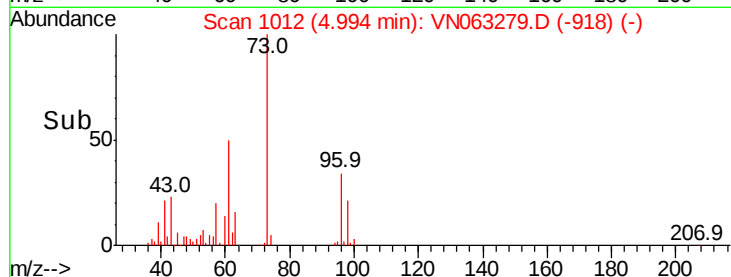
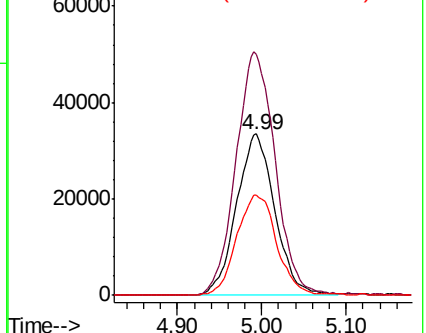
98 62.2 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.581 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Tgt Ion: 45 Resp: 410225

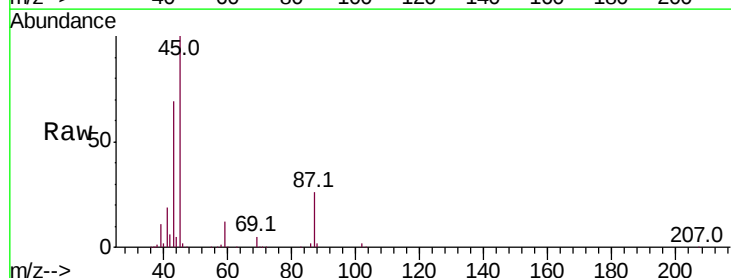
Ion Ratio Lower Upper

45 100

43 66.6 56.8 85.2

87 26.1 21.1 31.7

59 11.5 8.9 13.3

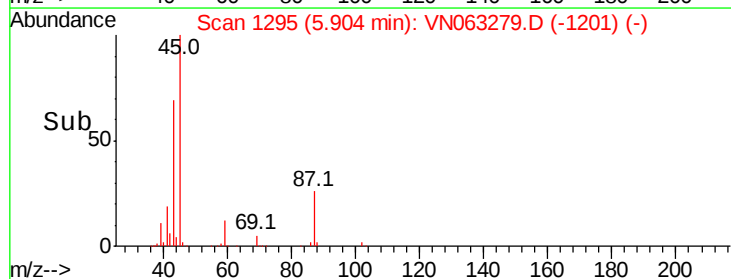
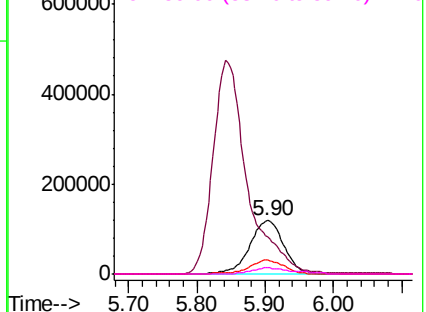


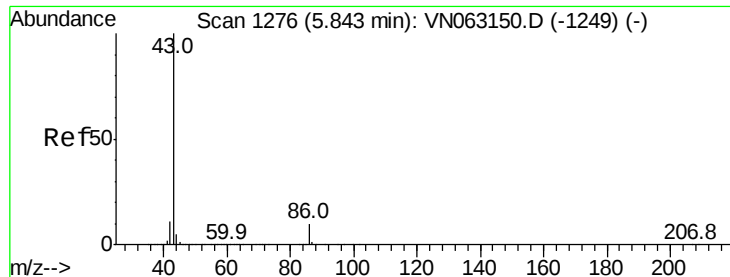
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 104.020 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

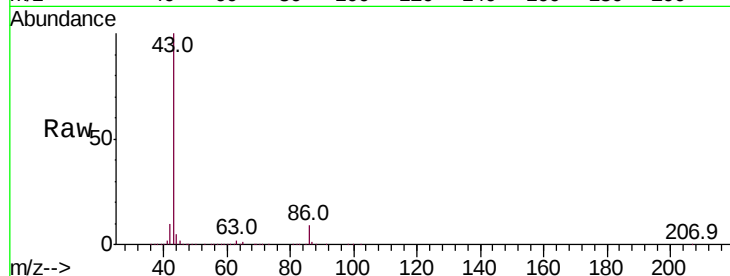
VN0909WBSD01

Tot Ion: 43 Resp: 1654317

Ion Ratio Lower Upper

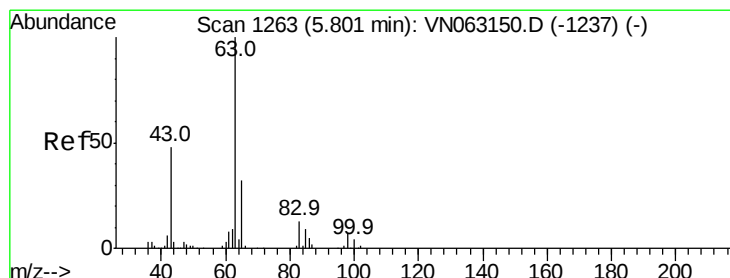
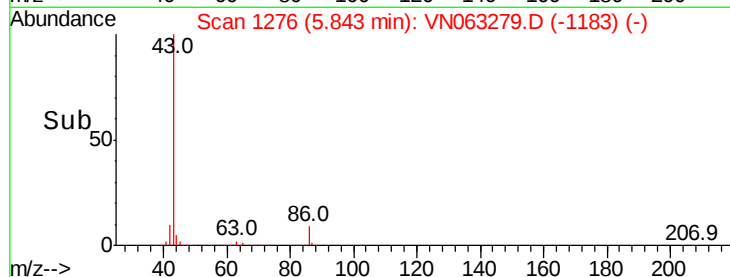
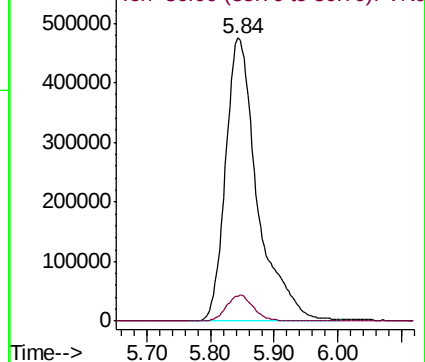
43 100

86 8.9 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.779 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

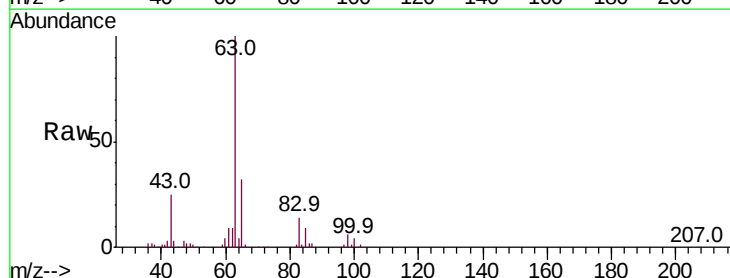
Tgt Ion: 63 Resp: 217333

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.1

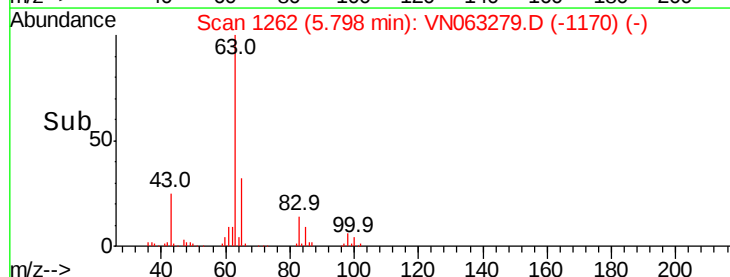
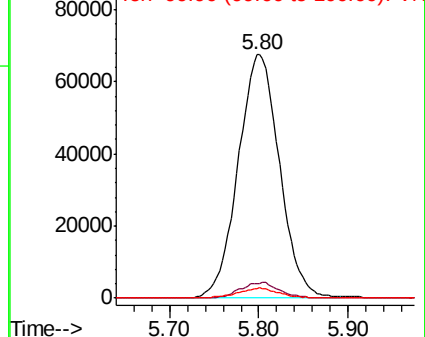
100 3.9 2.3 6.8

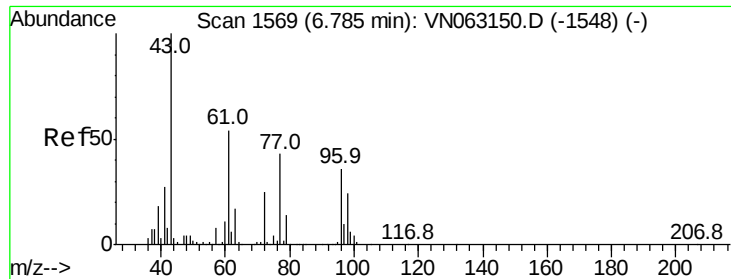


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 112.901 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

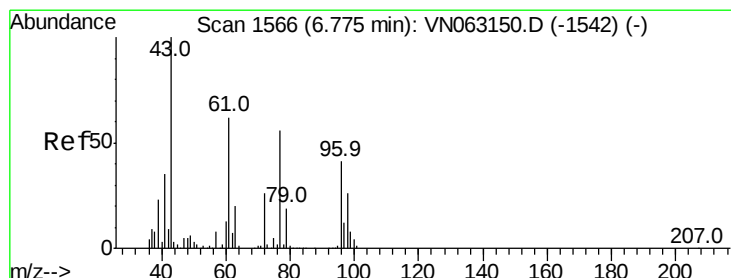
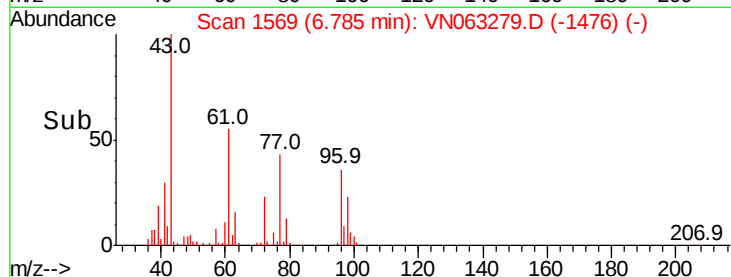
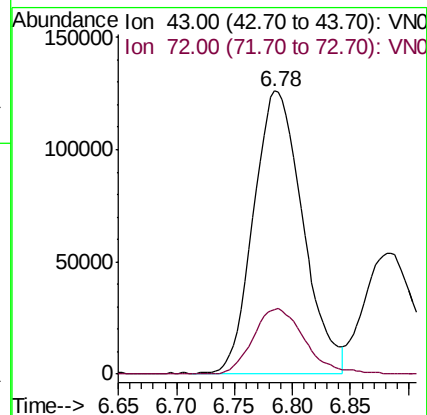
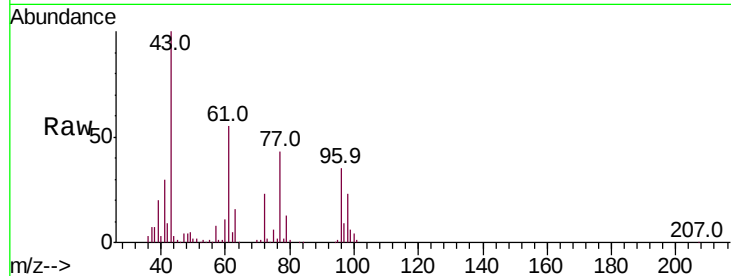
VN0909WBSD01

Tot Ion: 43 Resp: 370819

Ion Ratio Lower Upper

43 100

72 23.0 20.2 30.4



#26

2,2-Dichloropropane

Concen: 18.467 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063279.D

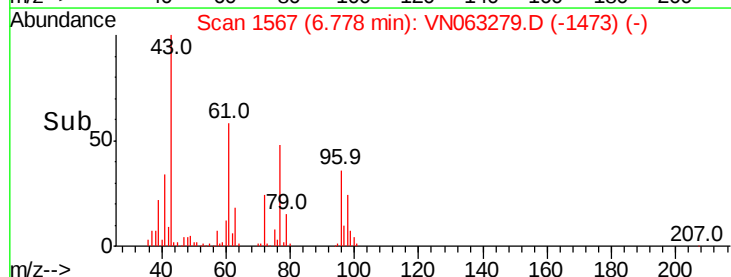
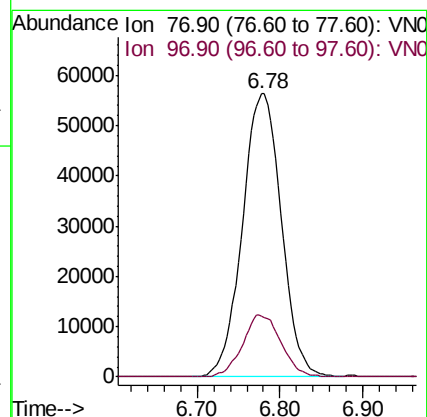
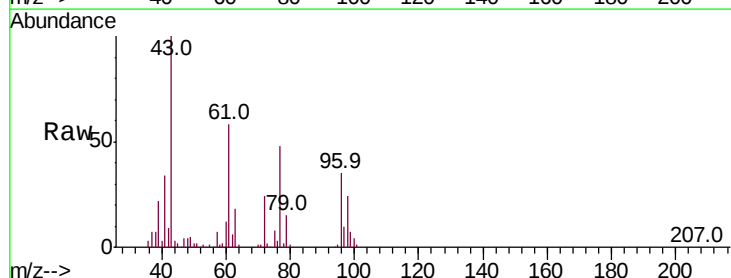
Acq: 9 Sep 2020 13:52

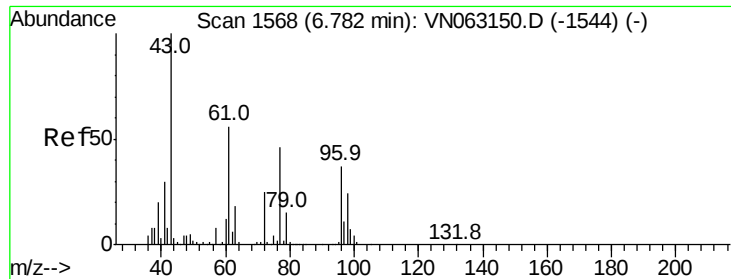
Tgt Ion: 77 Resp: 183852

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.129 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

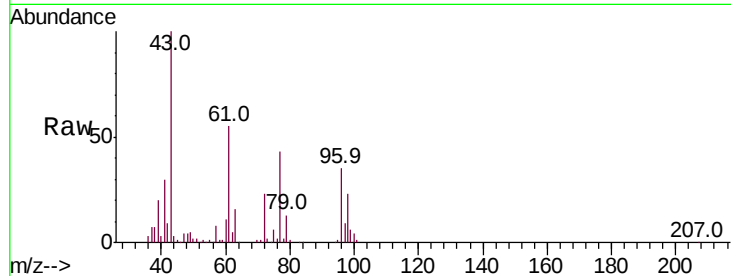
Tot Ion: 96 Resp: 128646

Ion Ratio Lower Upper

96 100

61 158.2 0.0 303.2

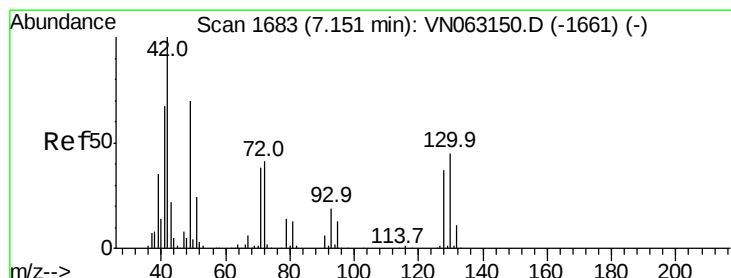
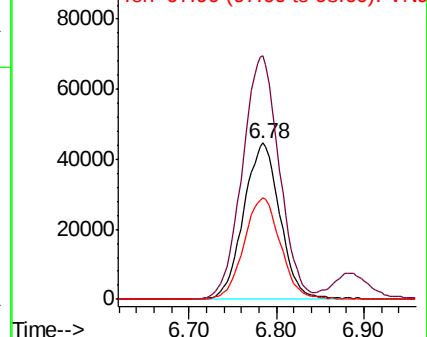
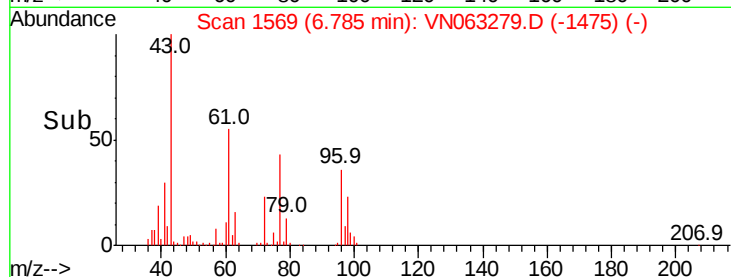
98 65.1 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.963 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

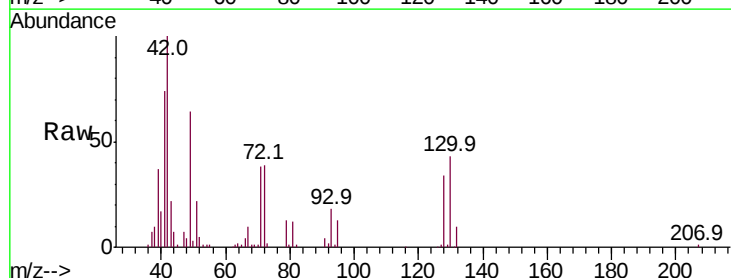
Tgt Ion: 49 Resp: 103121

Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.0

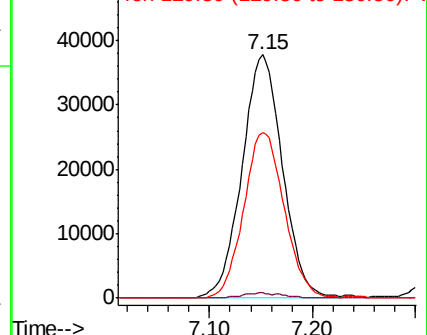
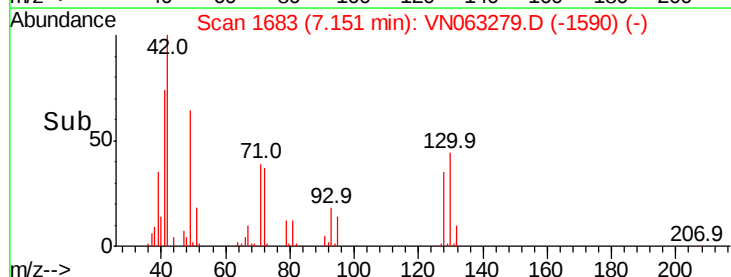
130 67.9 54.4 81.6

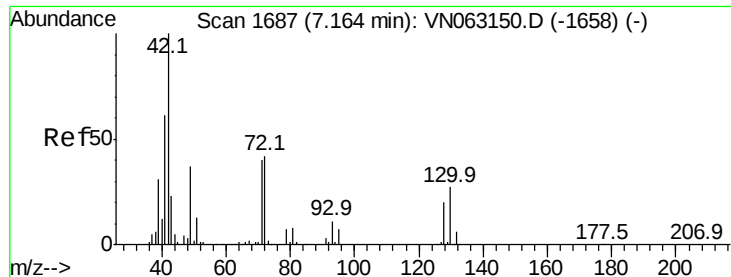


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 109.200 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

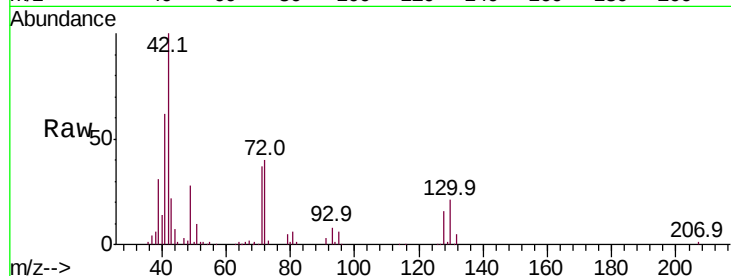
Tot Ion: 42 Resp: 248000

Ion Ratio Lower Upper

42 100

72 39.7 33.9 50.9

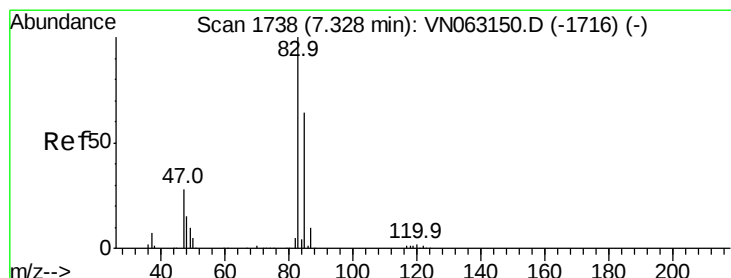
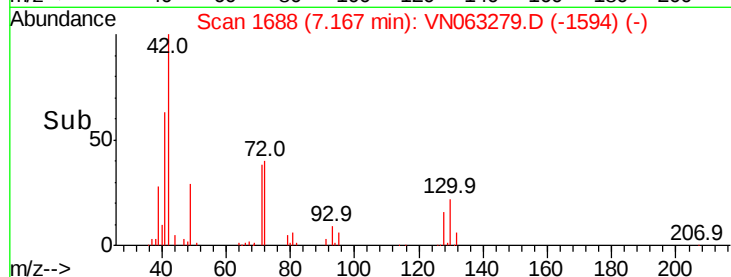
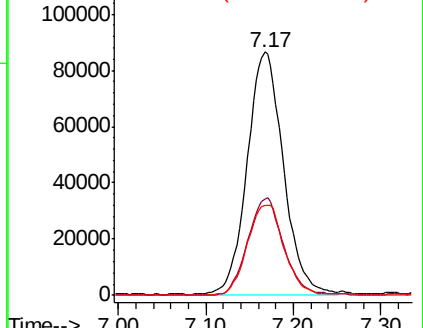
71 38.1 31.9 47.9



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: 19.451 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063279.D

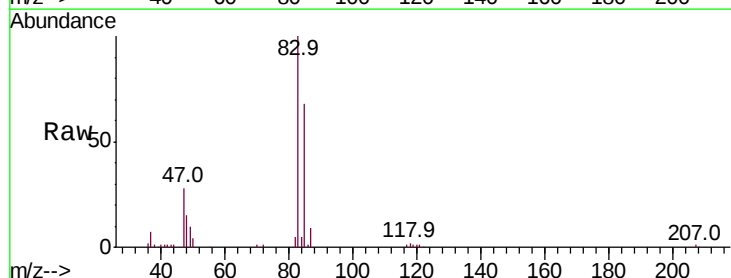
Acq: 9 Sep 2020 13:52

Tgt Ion: 83 Resp: 223609

Ion Ratio Lower Upper

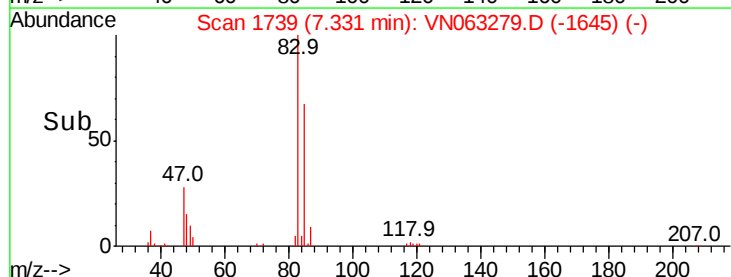
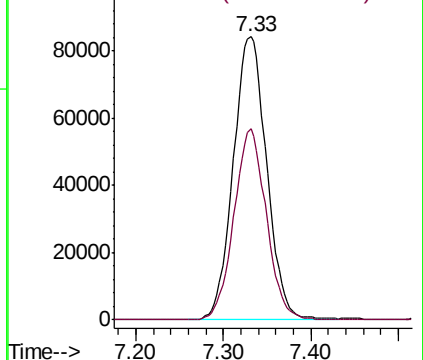
83 100

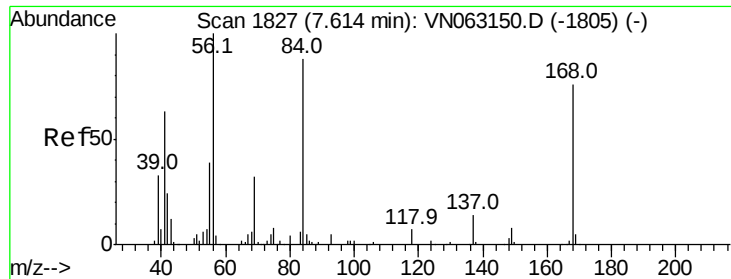
85 67.5 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

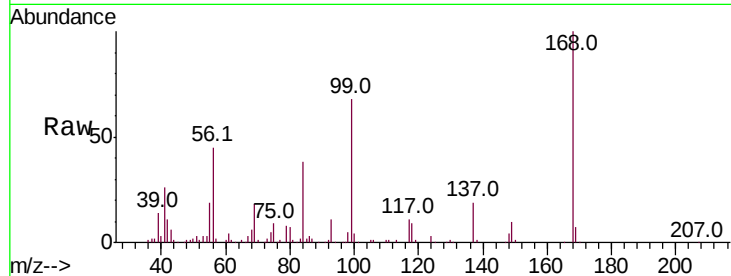




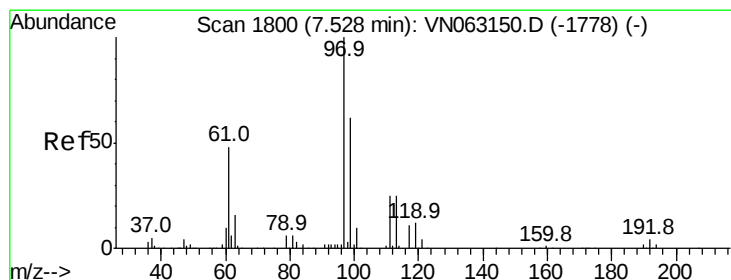
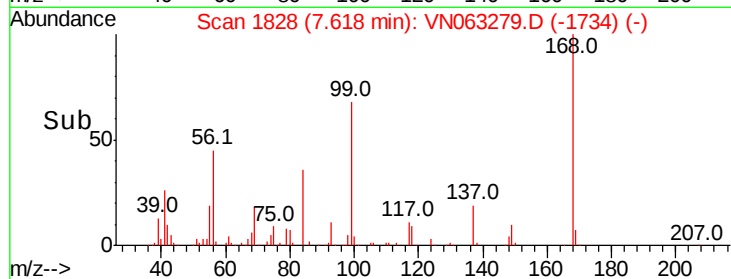
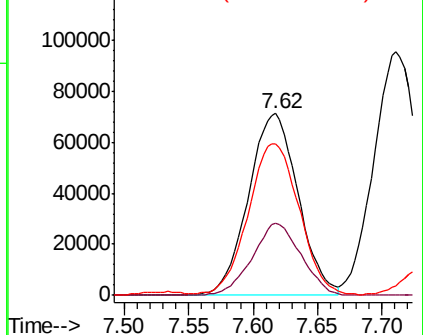
#31
Cyclohexane
Concen: 18.648 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion: 56 Resp: 191217
Ion Ratio Lower Upper
56 100
69 39.9 25.4 38.0#
84 82.1 70.2 105.4

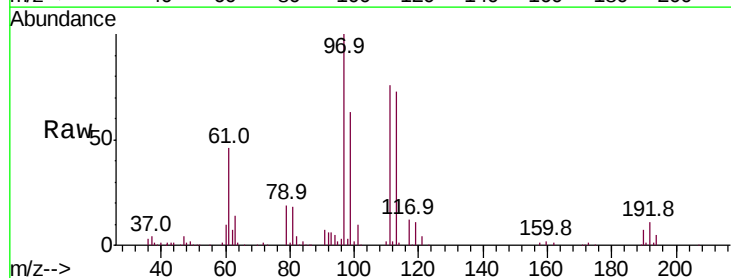


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

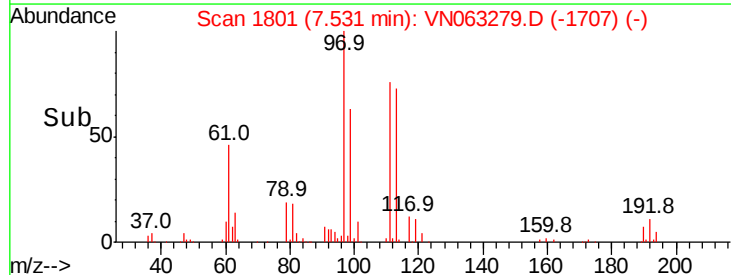
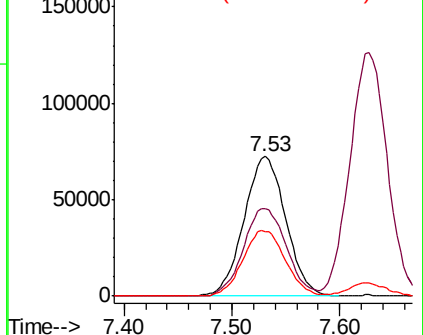


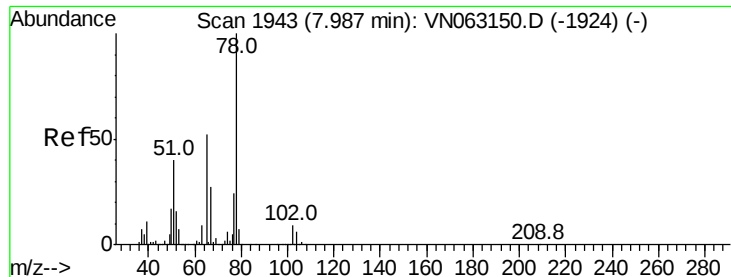
#32
1,1,1-Trichloroethane
Concen: 19.676 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion: 97 Resp: 194912
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 47.9 37.4 56.2



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





#33

1,2-Dichloroethane-d4

Concen: 50.508 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

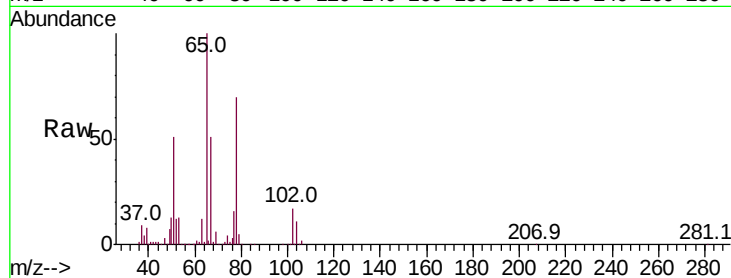
VN0909WBSD01

Tot Ion: 65 Resp: 376882

Ion Ratio Lower Upper

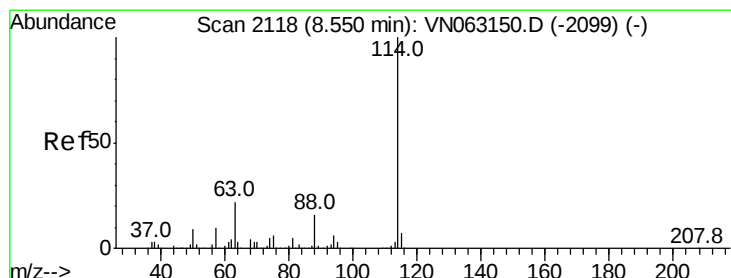
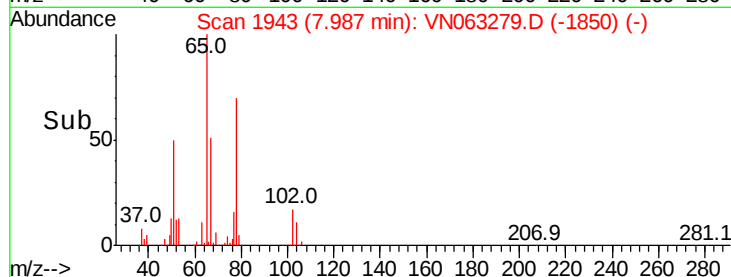
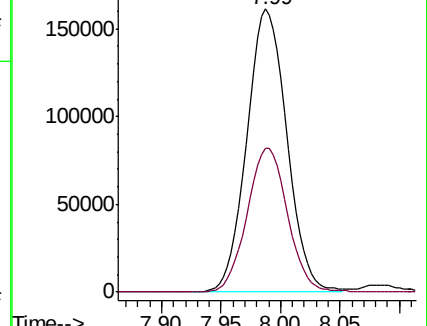
65 100

67 51.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

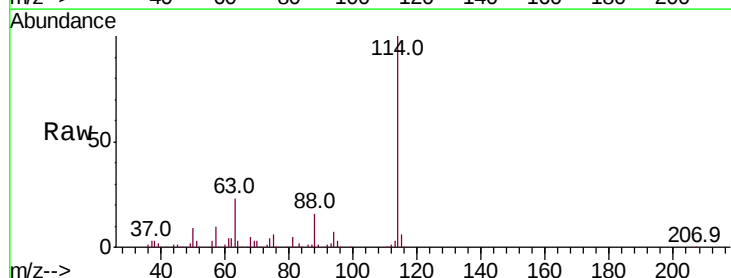
Tgt Ion: 114 Resp: 823143

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.0

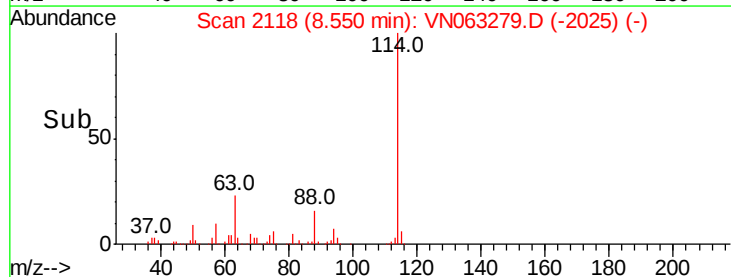
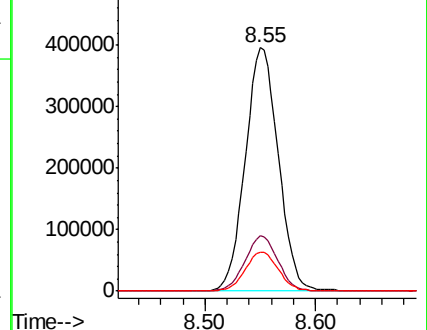
88 16.2 0.0 31.6

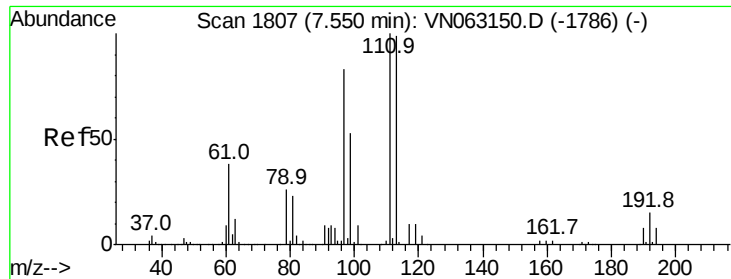


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

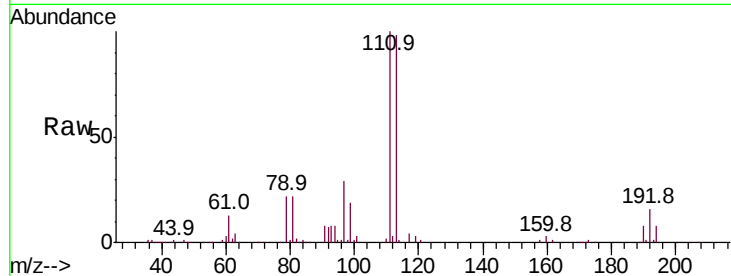




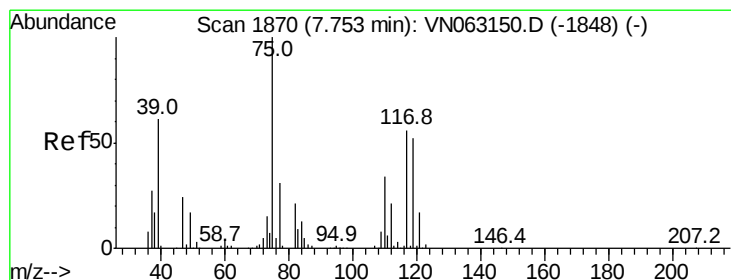
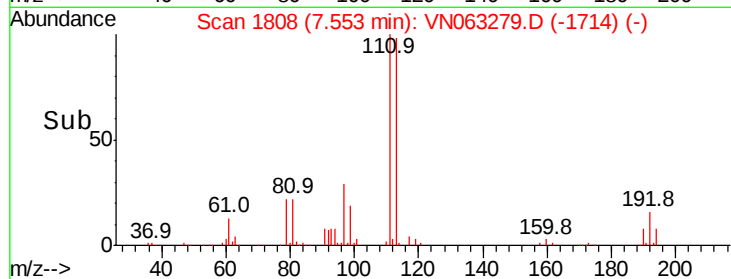
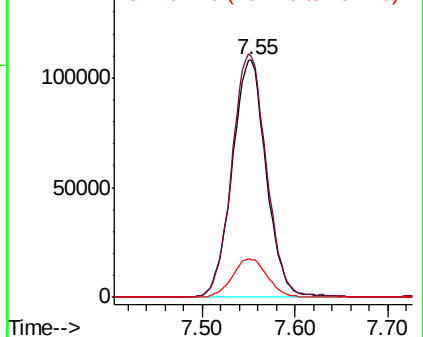
#35
 Dibromofluoromethane
 Concen: 52.171 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

Tot Ion:113 Resp: 275510
 Ion Ratio Lower Upper
 113 100
 111 103.3 80.7 121.1
 192 16.7 12.6 19.0

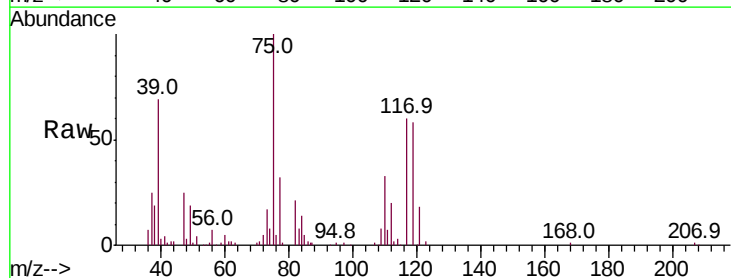


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

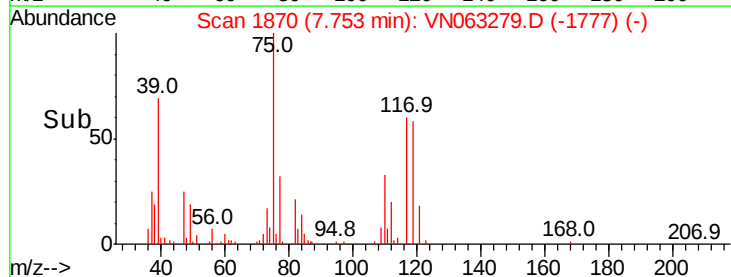
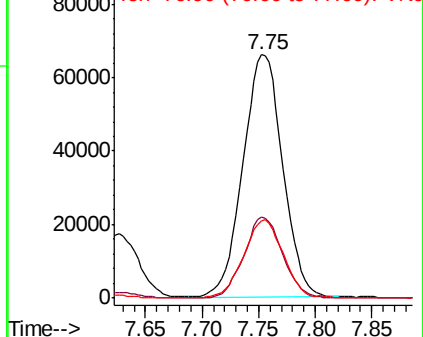


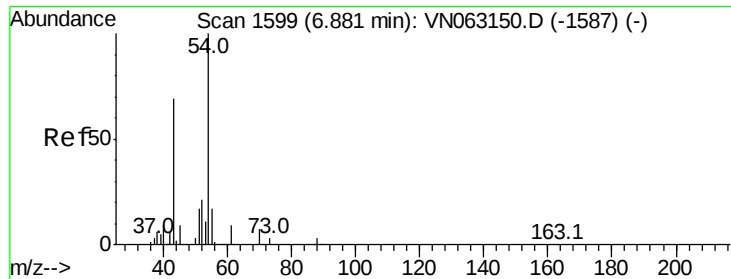
#36
 1,1-Dichloropropene
 Concen: 20.384 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Tgt Ion: 75 Resp: 161302
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.6 49.8
 77 32.2 25.4 38.2



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

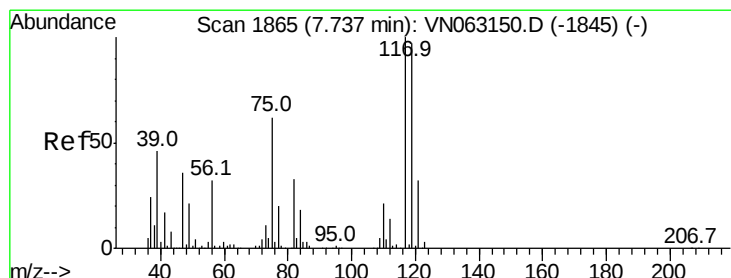
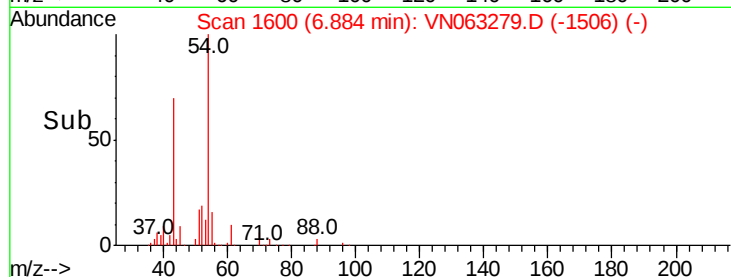
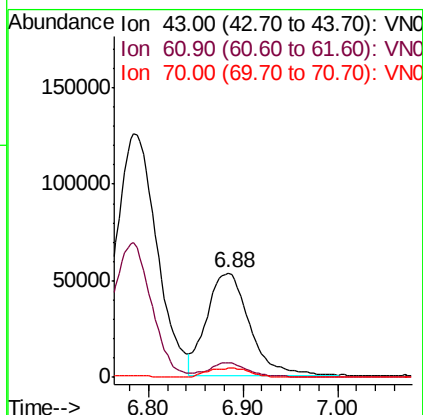
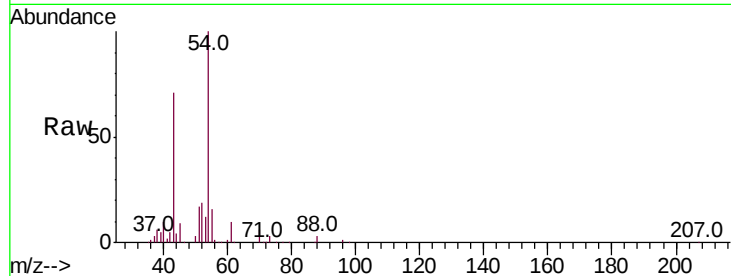




#37
Ethyl Acetate
Concen: 22.499 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

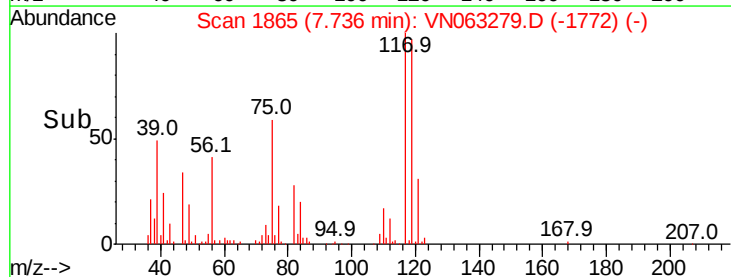
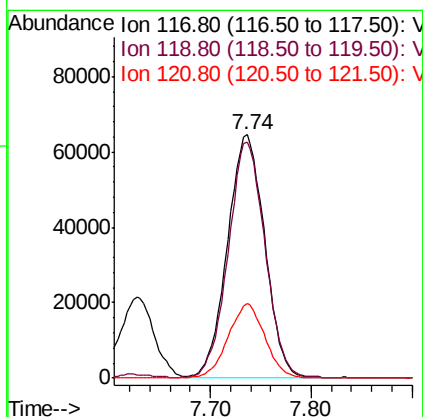
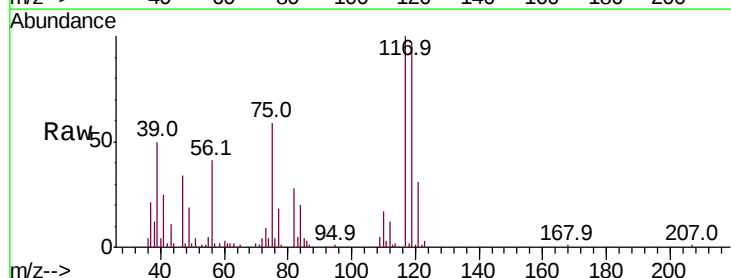
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

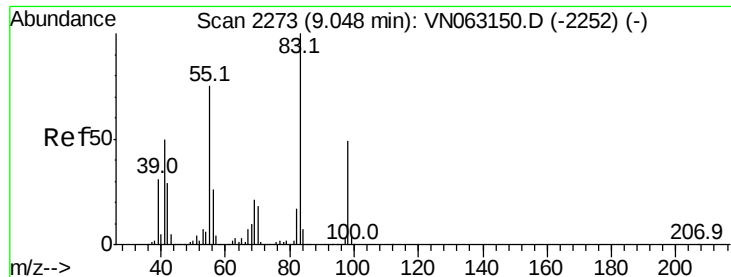
Tot Ion: 43 Resp: 166546
Ion Ratio Lower Upper
43 100
61 12.4 10.2 15.4
70 8.5 3.0 4.6#



#38
Carbon Tetrachloride
Concen: 20.722 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion: 117 Resp: 166300
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 30.8 25.6 38.4

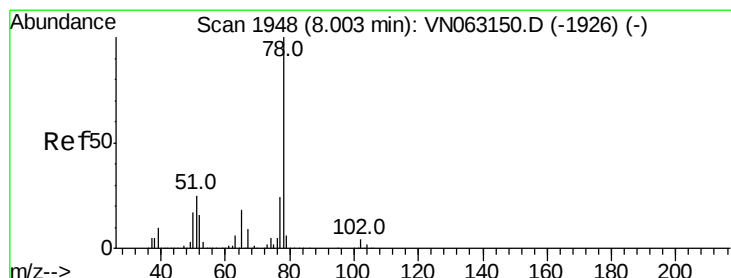
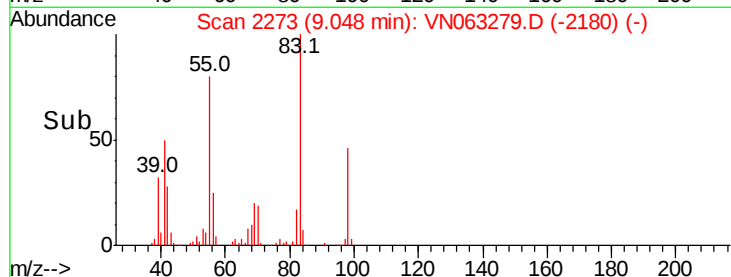
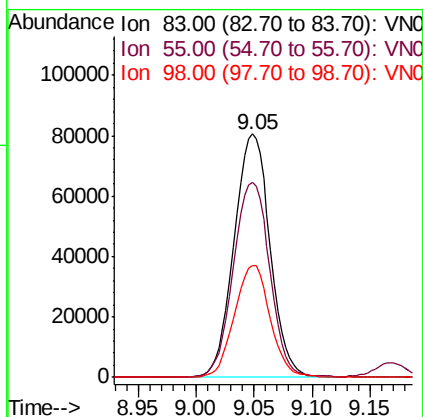
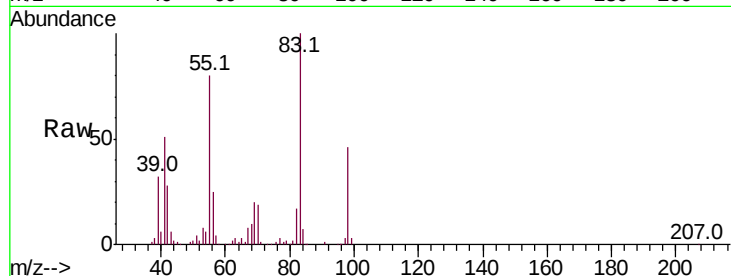




#39
Methvlcvclohexane
Concen: 19.536 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

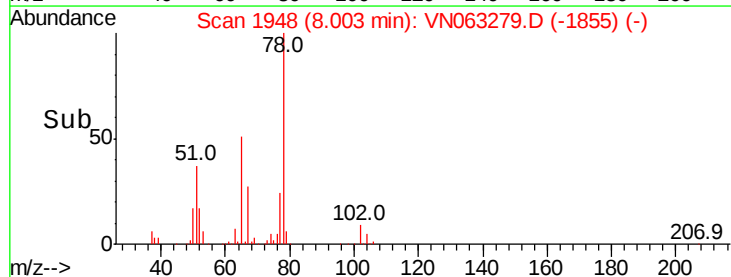
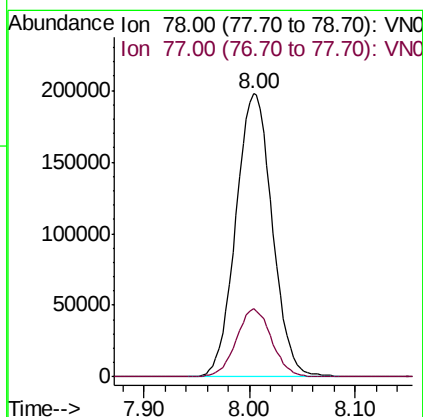
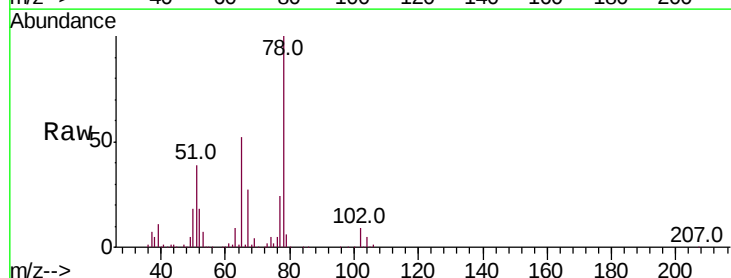
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

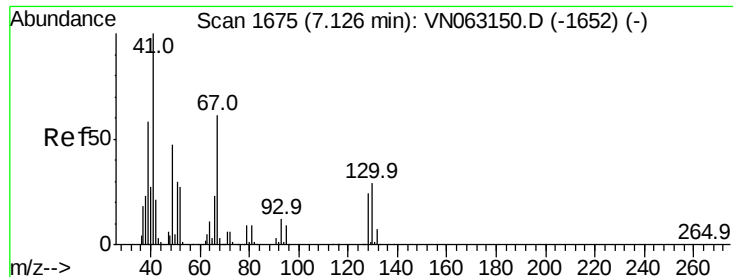
Tot Ion: 83 Resp: 173673
Ion Ratio Lower Upper
83 100
55 80.1 60.3 90.5
98 46.0 38.9 58.3



#40
Benzene
Concen: 20.421 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion: 78 Resp: 474877
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

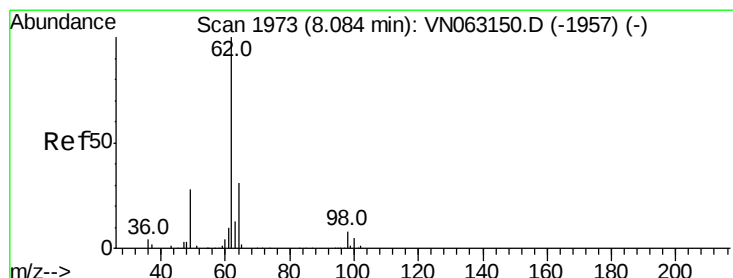
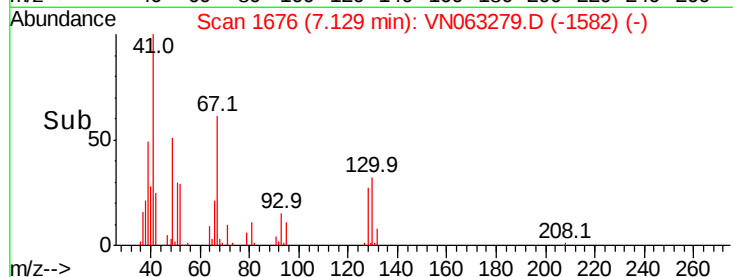
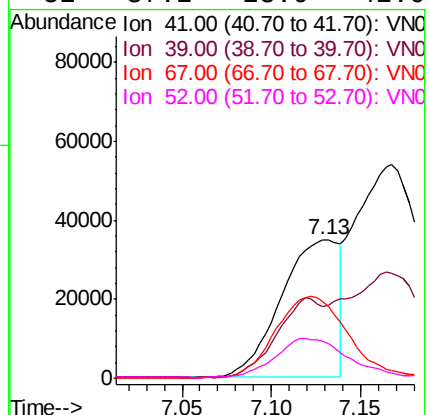
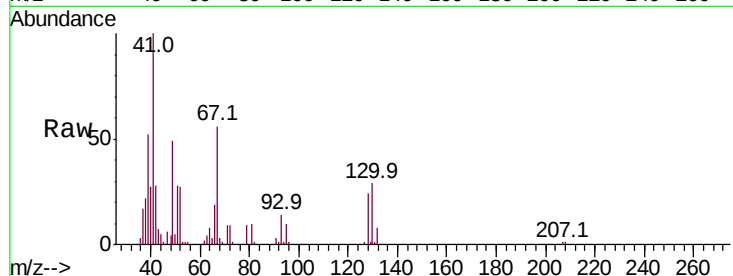




#41
Methacrylonitrile
Concen: 23.697 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

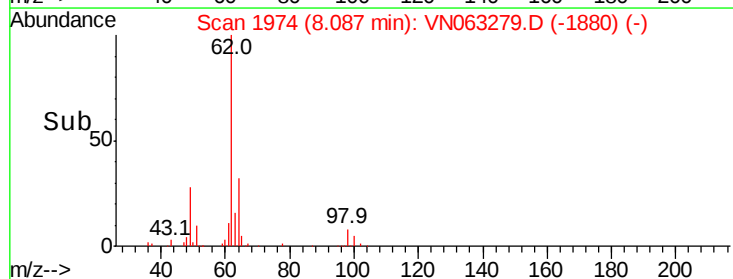
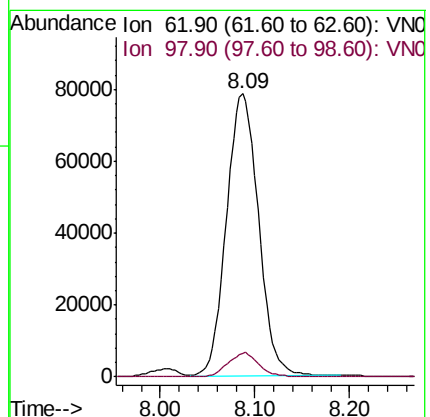
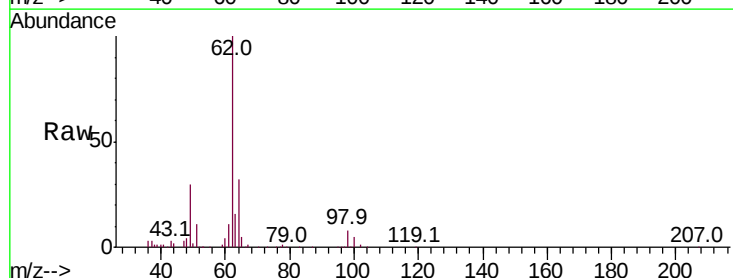
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

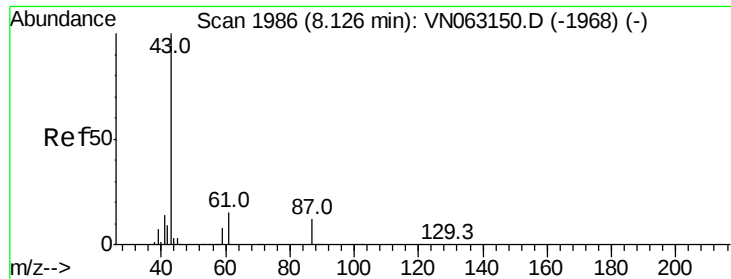
Tot Ion:	41	Resp:	78997
Ion	Ratio	Lower	Upper
41	100		
39	45.7	46.6	70.0#
67	75.4	62.6	94.0
52	37.2	28.0	42.0



#42
1,2-Dichloroethane
Concen: 21.364 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion:	62	Resp:	185576
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 21.904 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

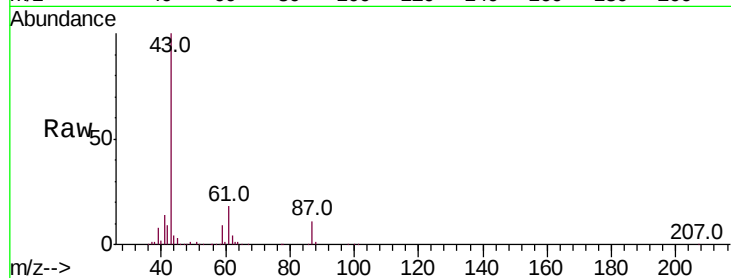
Tot Ion: 43 Resp: 282678

Ion Ratio Lower Upper

43 100

61 24.3 20.2 30.4

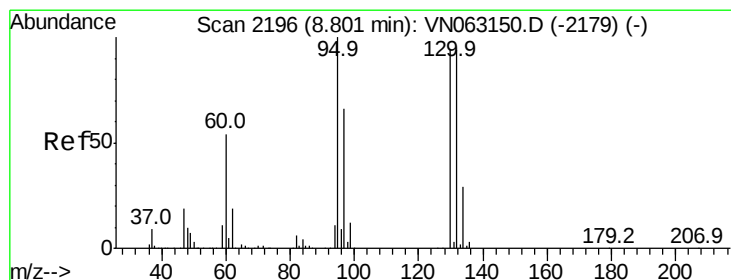
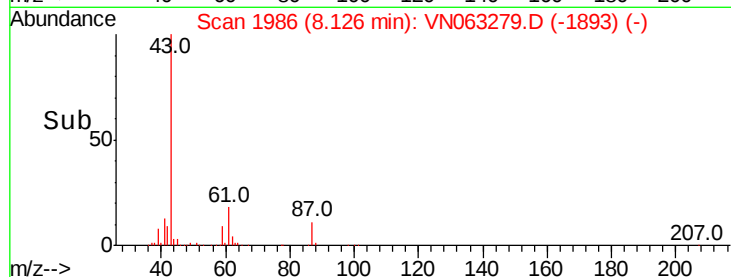
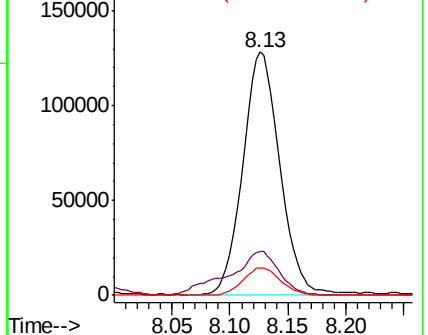
87 11.7 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 22.368 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063279.D

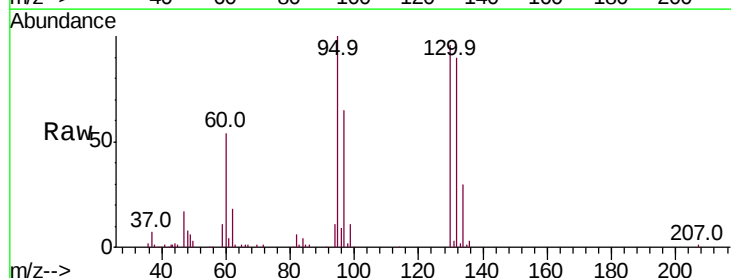
Acq: 9 Sep 2020 13:52

Tgt Ion:130 Resp: 126164

Ion Ratio Lower Upper

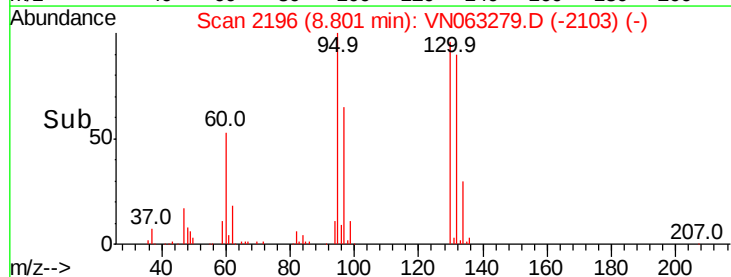
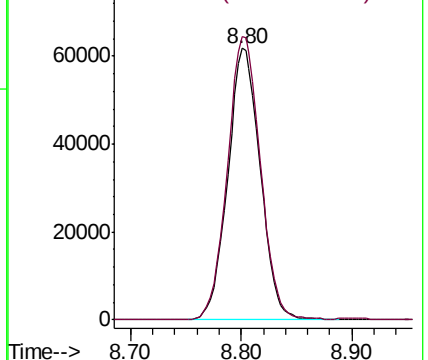
130 100

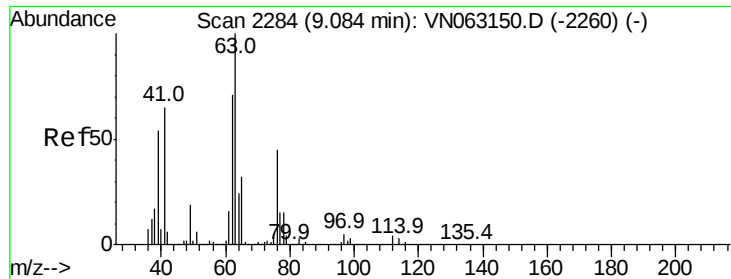
95 104.2 0.0 212.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.295 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

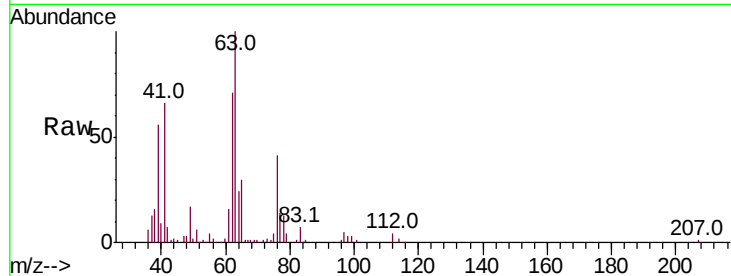
VN0909WBSD01

Tot Ion: 63 Resp: 131114

Ion Ratio Lower Upper

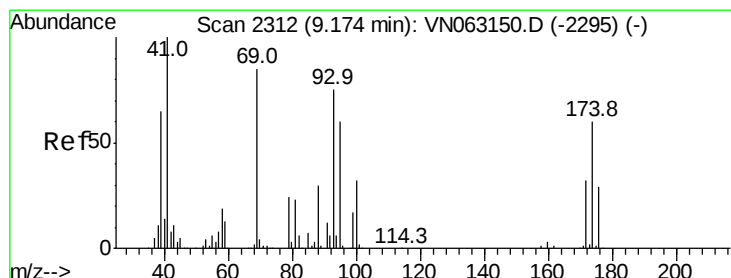
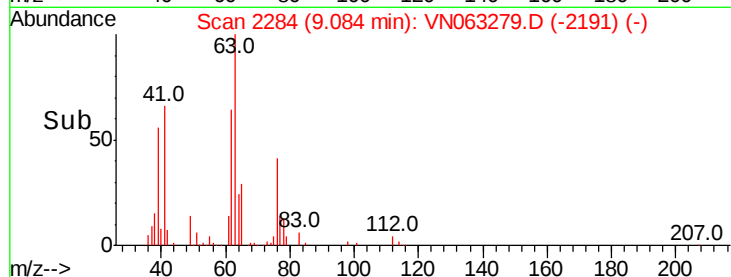
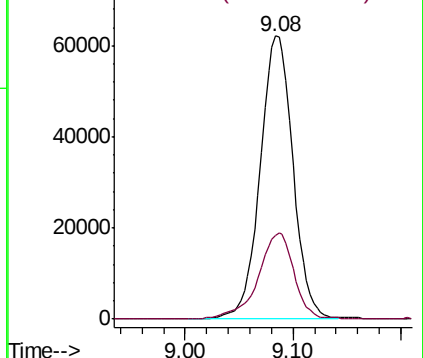
63 100

65 29.6 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.152 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

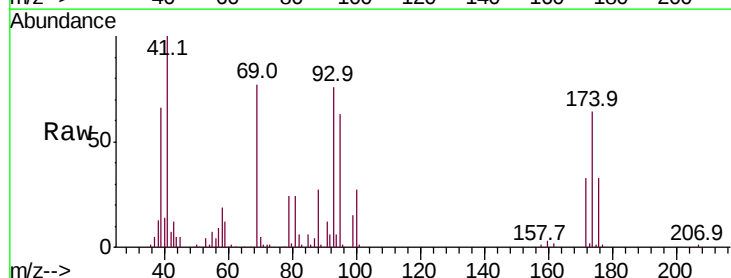
Tgt Ion: 93 Resp: 86302

Ion Ratio Lower Upper

93 100

95 82.3 65.2 97.8

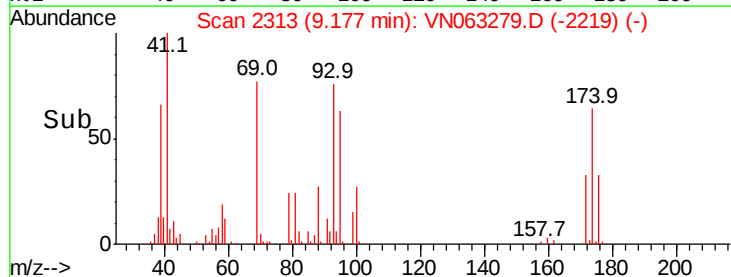
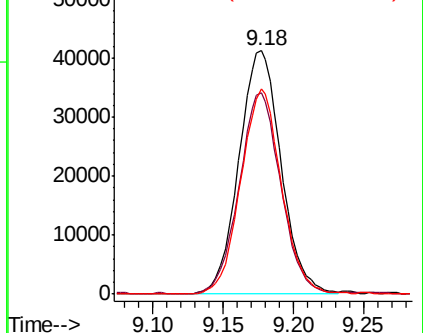
174 81.5 64.6 97.0

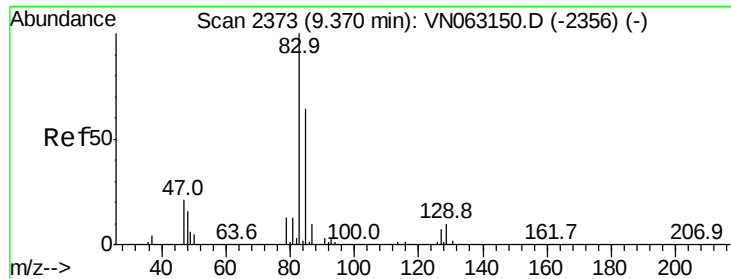


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.429 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

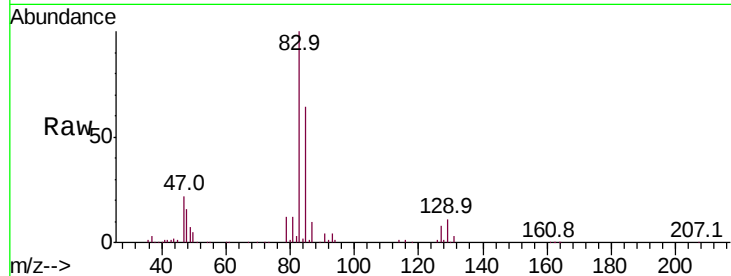
Tot Ion: 83 Resp: 178667

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.6

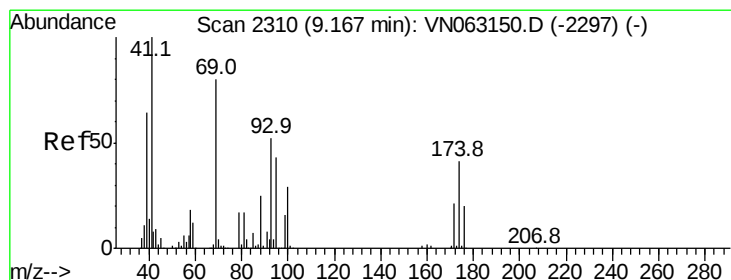
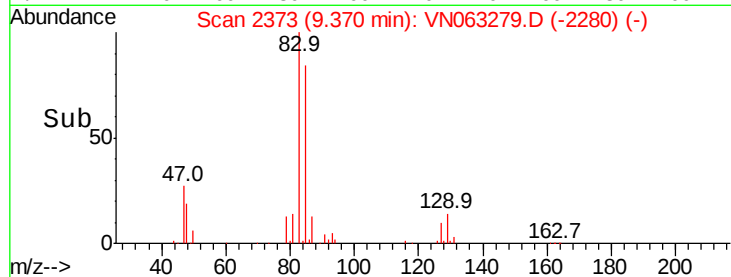
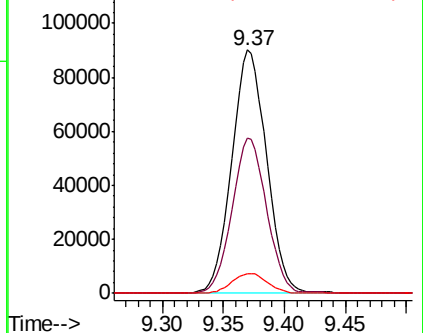
127 7.8 5.7 8.5



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: 23.375 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

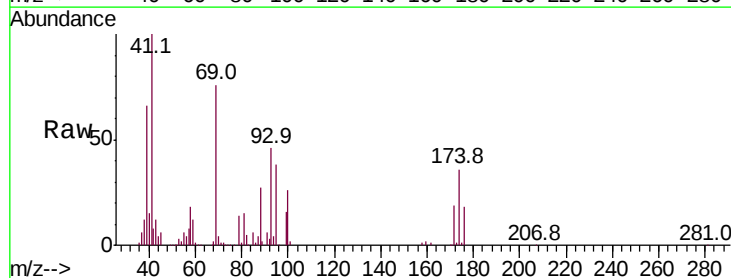
Tgt Ion: 41 Resp: 135988

Ion Ratio Lower Upper

41 100

69 78.9 65.9 98.9

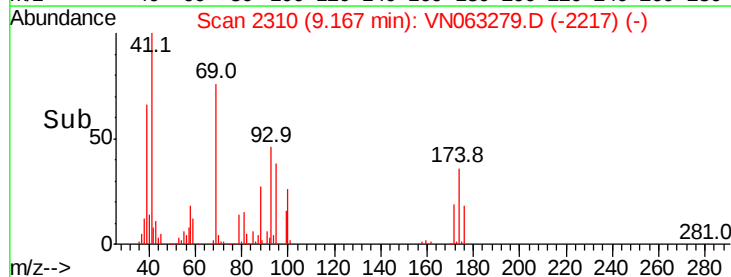
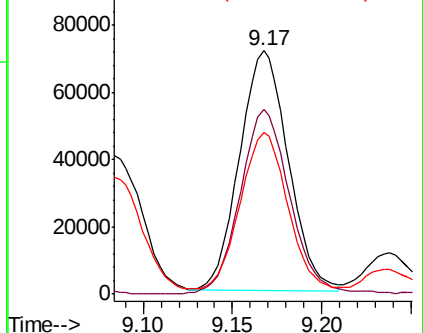
39 66.3 52.0 78.0

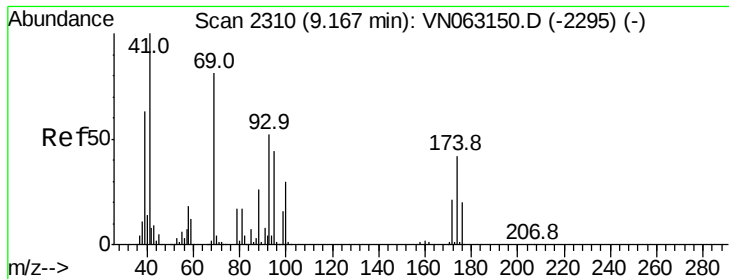


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 450.348 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

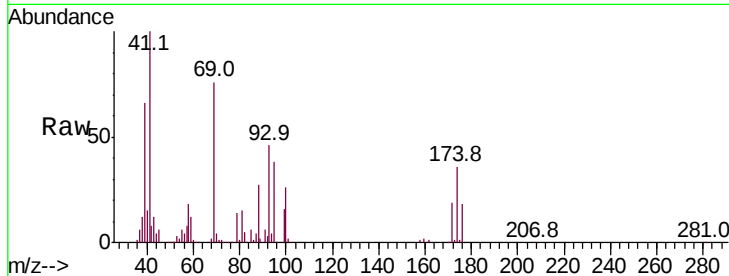
Tot Ion: 88 Resp: 40524

Ion Ratio Lower Upper

88 100

43 38.3 28.6 42.8

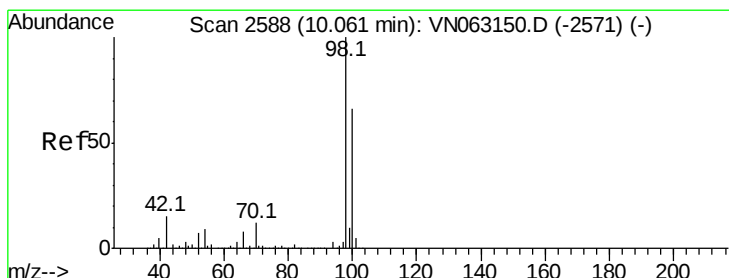
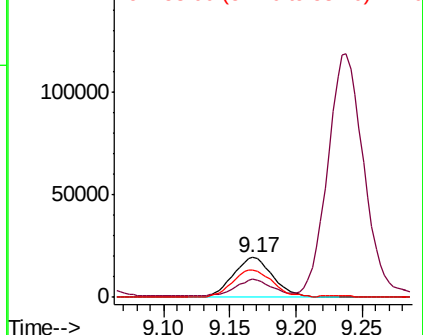
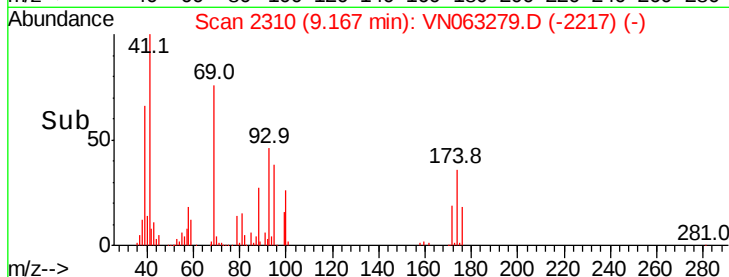
58 70.0 53.2 79.8



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: 51.797 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063279.D

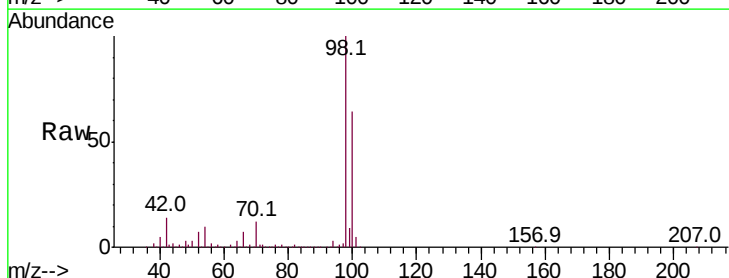
Acq: 9 Sep 2020 13:52

Tgt Ion: 98 Resp: 1052828

Ion Ratio Lower Upper

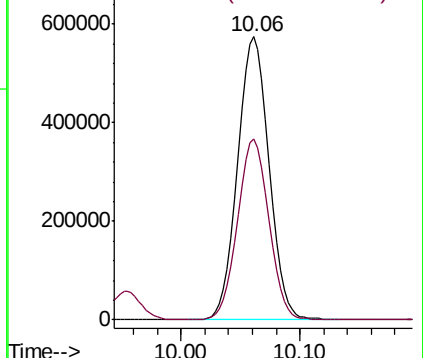
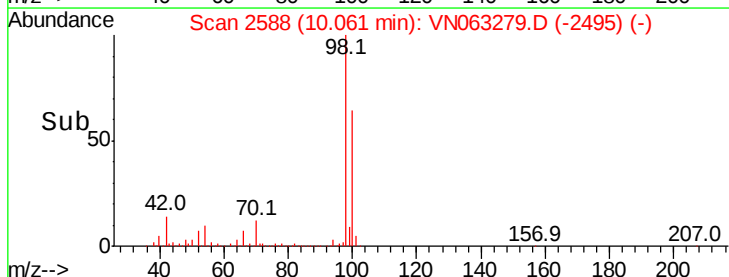
98 100

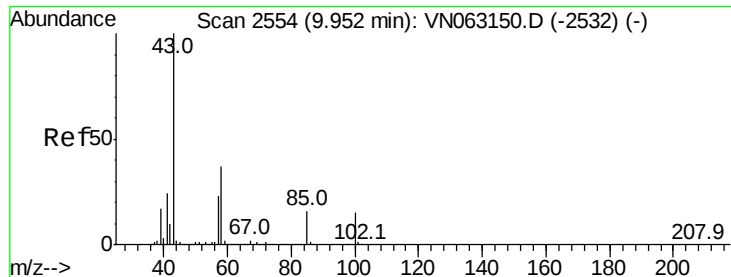
100 63.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

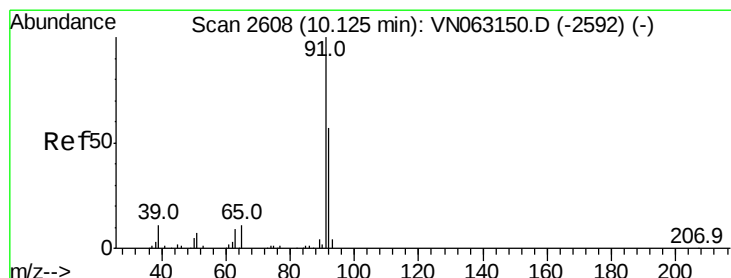
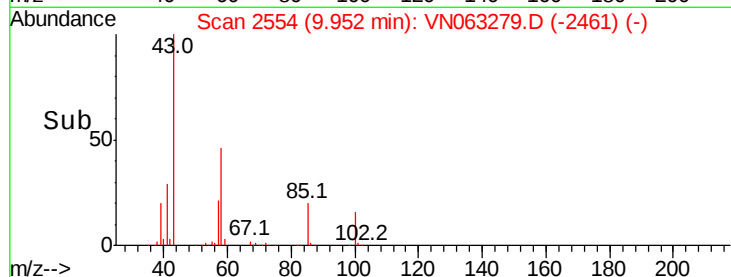
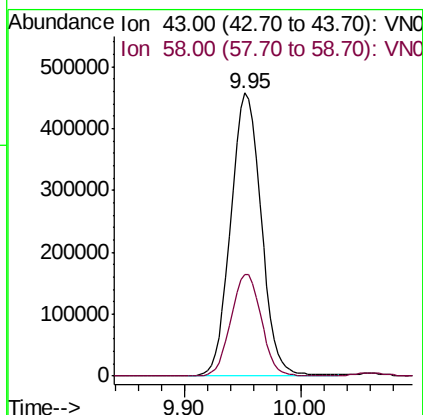
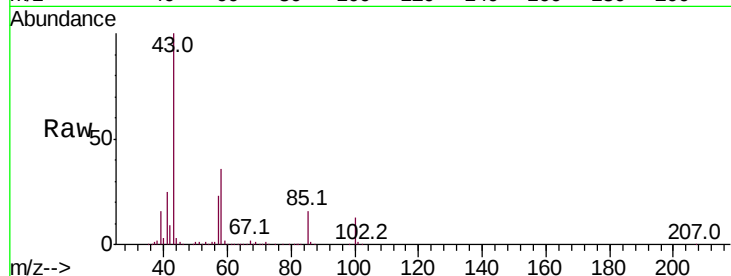




#51
4-Methyl-2-Pentanone
Concen: 118.303 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

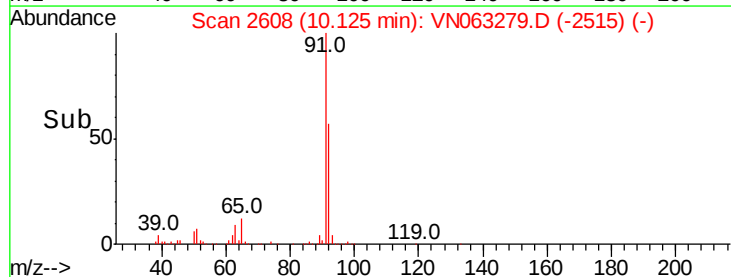
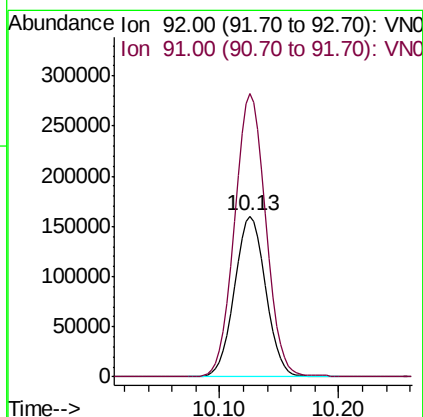
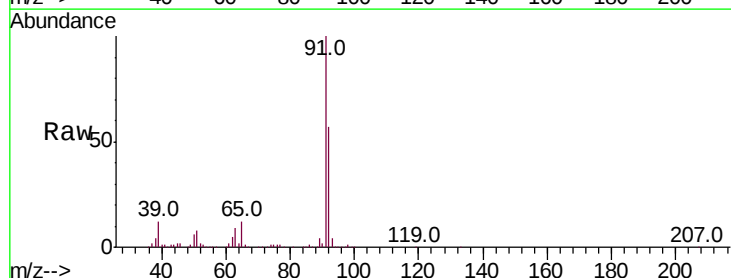
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

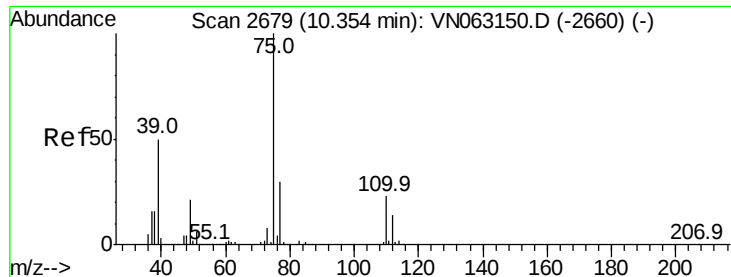
Tot Ion: 43 Resp: 829645
Ion Ratio Lower Upper
43 100
58 35.8 29.2 43.8



#52
Toluene
Concen: 20.136 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion: 92 Resp: 291683
Ion Ratio Lower Upper
92 100
91 176.3 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 20.122 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

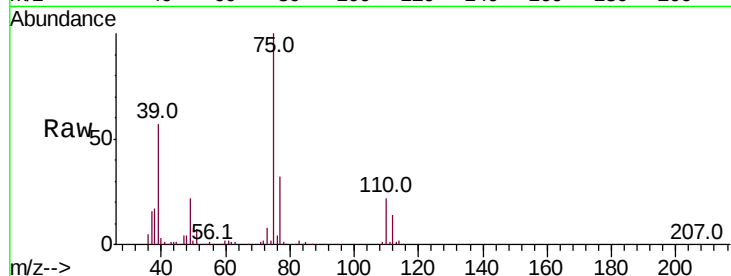
VN0909WBSD01

Tot Ion: 75 Resp: 192501

Ion Ratio Lower Upper

75 100

77 32.0 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

120000

100000

80000

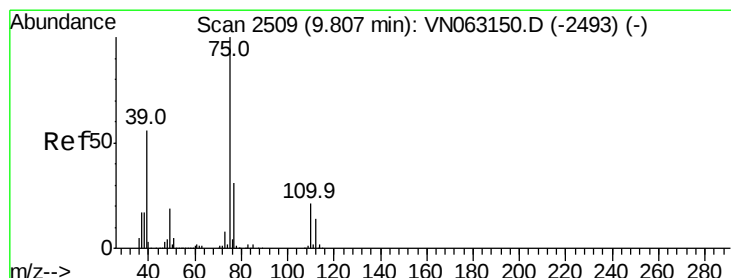
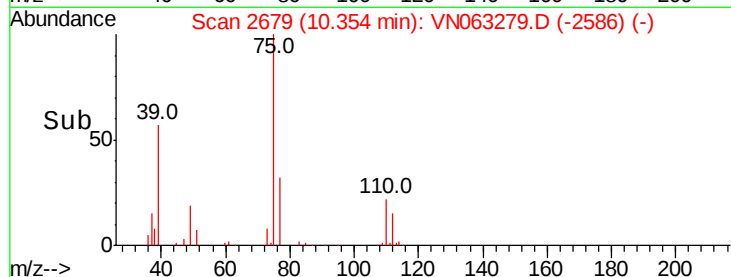
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.865 ug/l

RT: 9.81 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

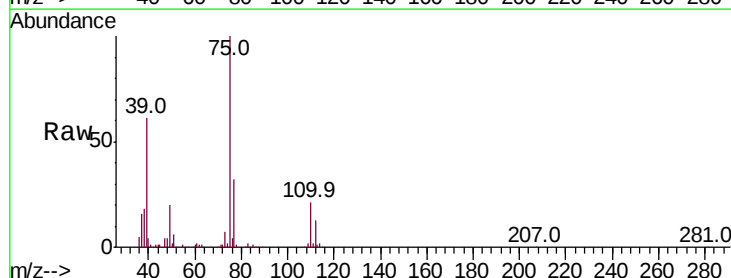
Tgt Ion: 75 Resp: 209524

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 60.6 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

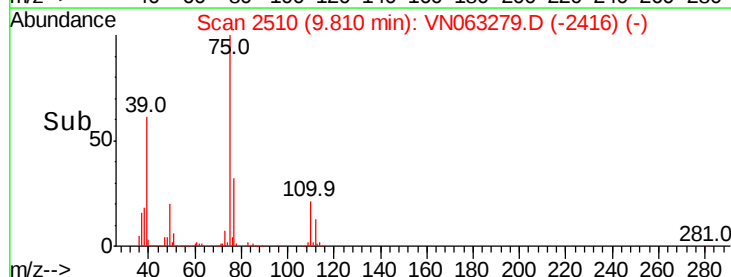
150000

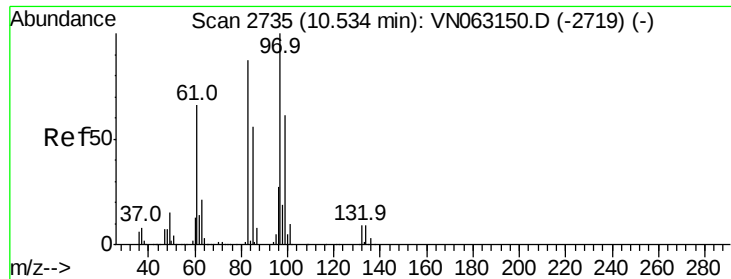
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.786 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 97 Resp: 115316

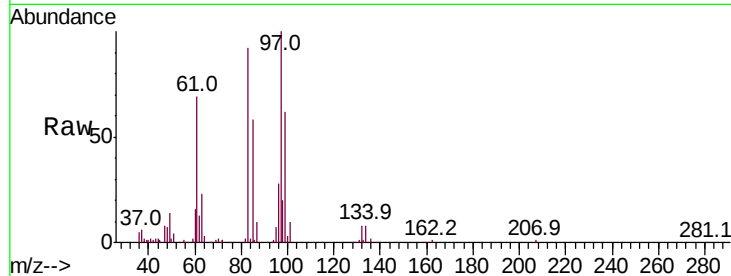
Ion Ratio Lower Upper

97 100

83 92.0 69.8 104.8

85 58.1 44.9 67.3

99 62.3 48.8 73.2

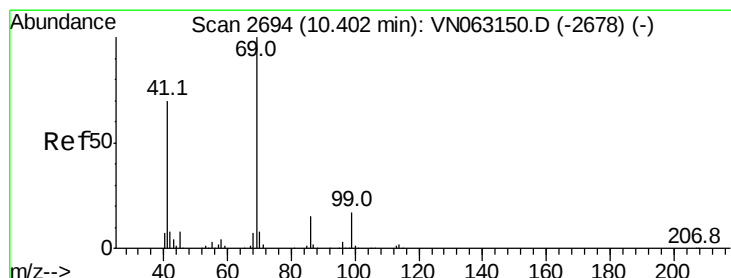
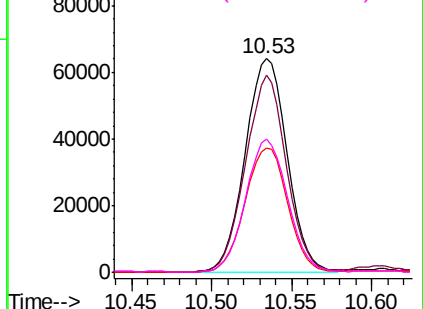
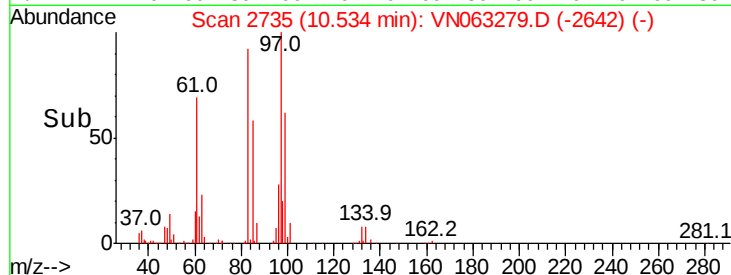


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 21.167 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

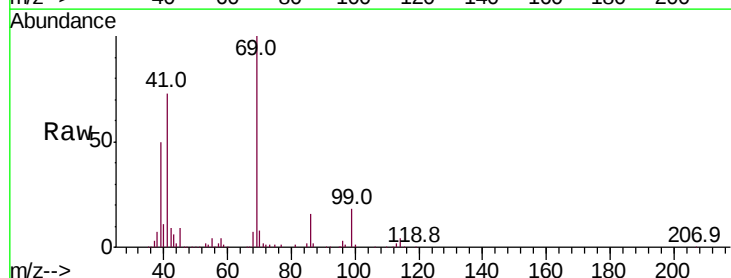
Tgt Ion: 69 Resp: 178705

Ion Ratio Lower Upper

69 100

41 72.6 55.5 83.3

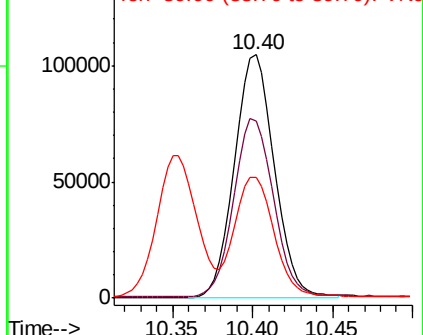
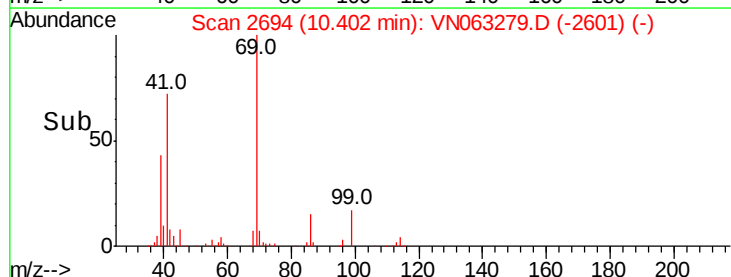
39 48.0 38.2 57.2

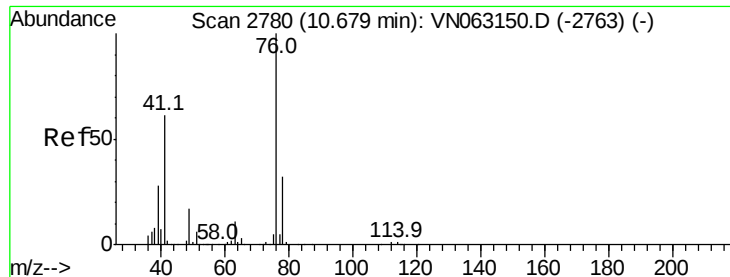


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.583 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

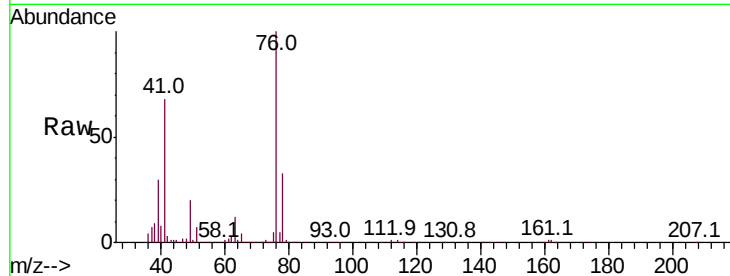
VN0909WBSD01

Tot Ion: 76 Resp: 203422

Ion Ratio Lower Upper

76 100

78 32.7 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

120000

100000

80000

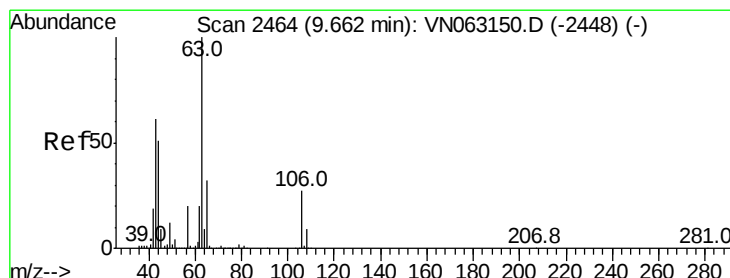
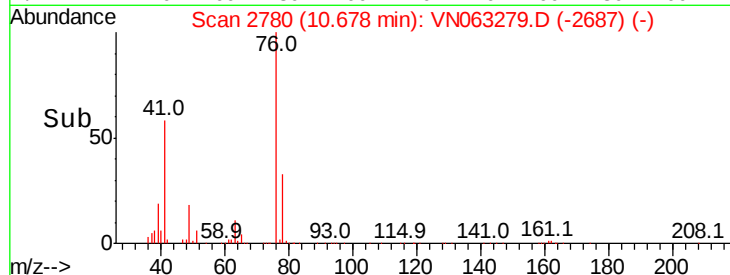
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.258 ug/l

RT: 9.67 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN063279.D

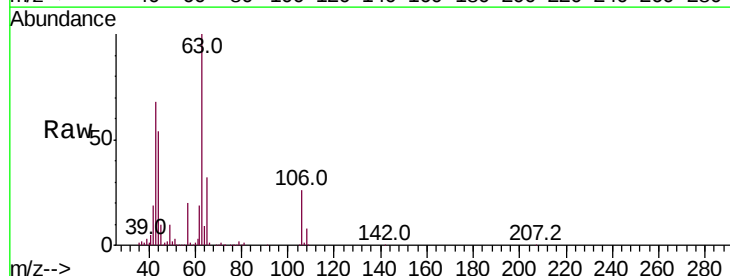
Acq: 9 Sep 2020 13:52

Tgt Ion: 63 Resp: 420833

Ion Ratio Lower Upper

63 100

106 26.0 21.8 32.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.67

250000

200000

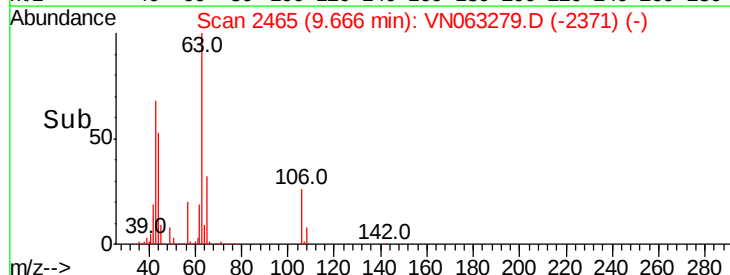
150000

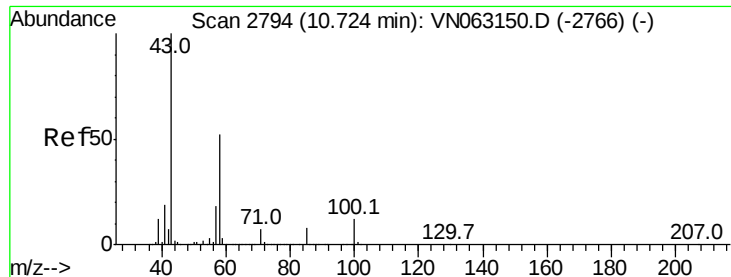
100000

50000

0

Time-->

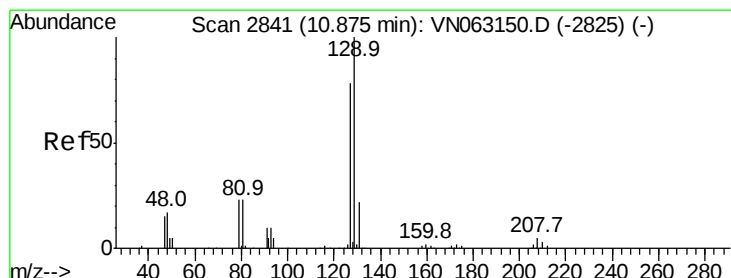
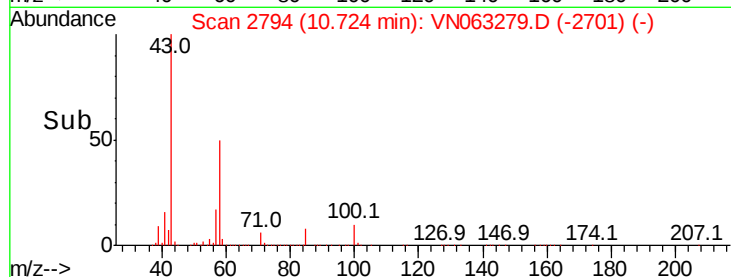
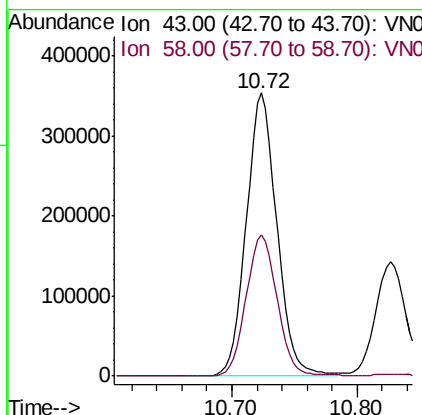
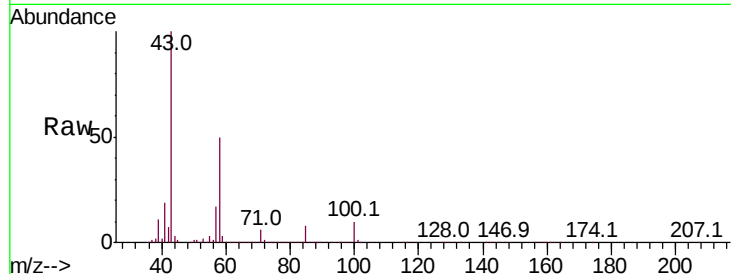




#59
2-Hexanone
Concen: 121.057 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

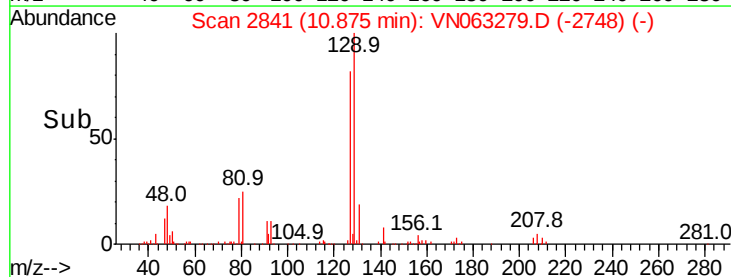
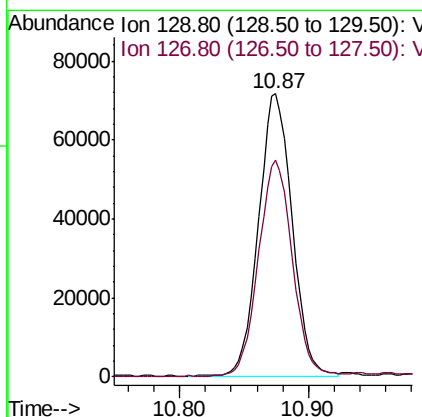
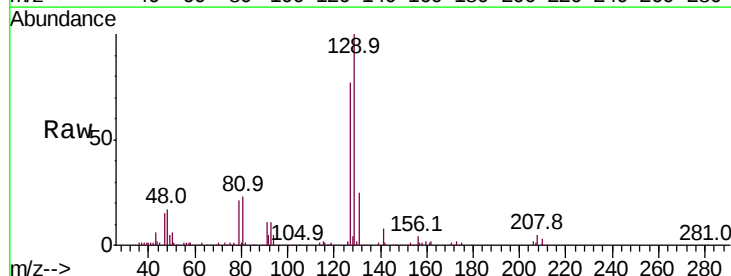
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

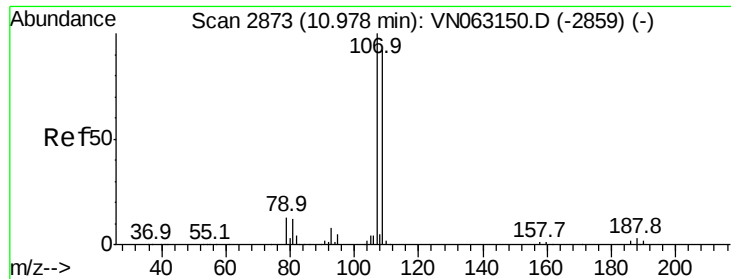
Tot Ion: 43 Resp: 596636
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8



#60
Dibromochloromethane
Concen: 21.133 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion: 129 Resp: 129617
Ion Ratio Lower Upper
129 100
127 77.5 39.0 117.0

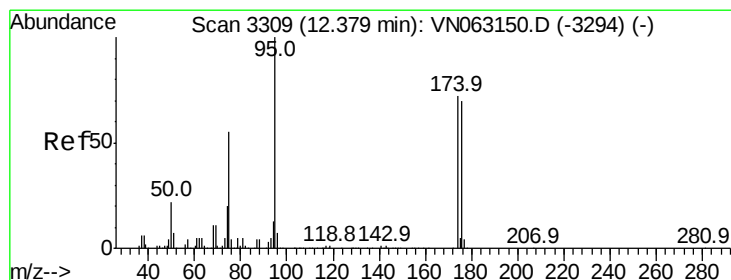
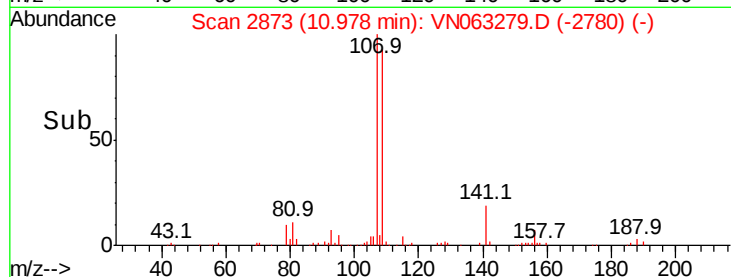
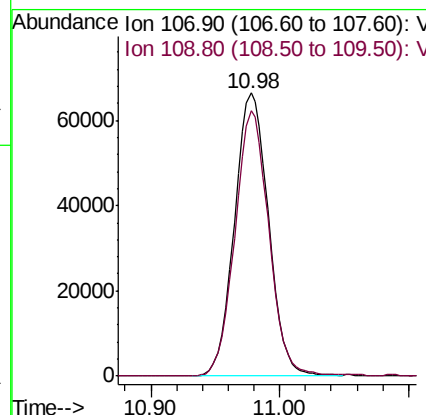
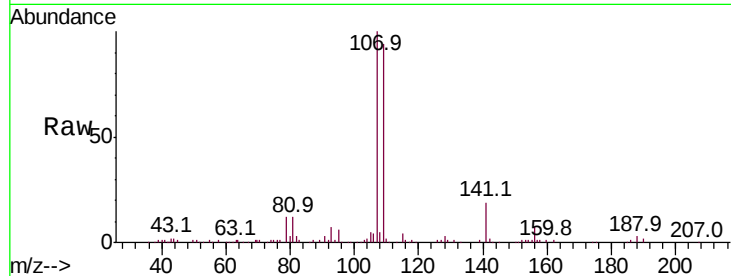




#61
 1,2-Dibromoethane
 Concen: 21.091 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

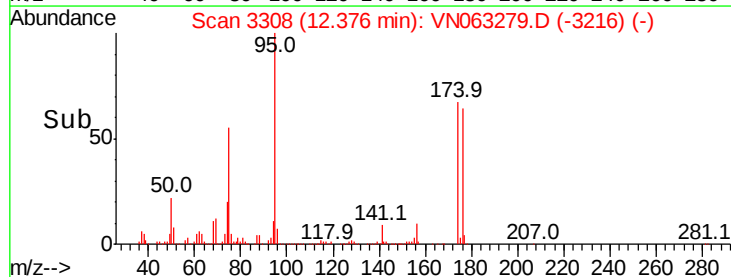
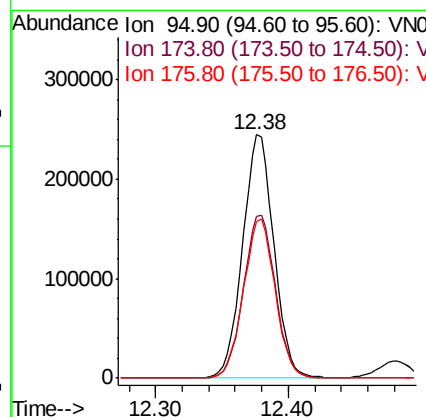
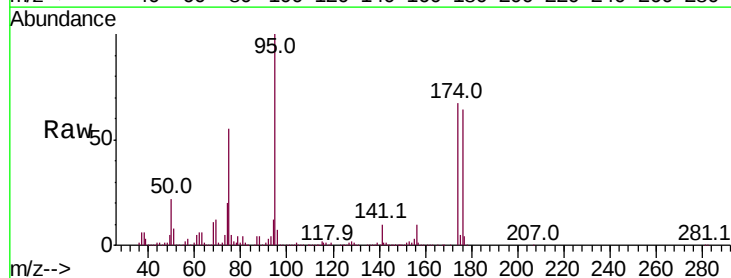
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

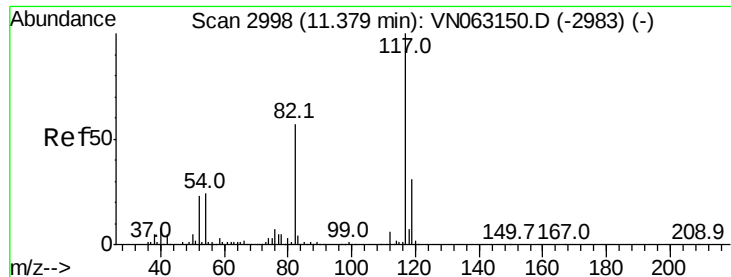
Tot Ion:107 Resp: 121634
 Ion Ratio Lower Upper
 107 100
 109 93.4 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 56.176 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Tgt Ion: 95 Resp: 399421
 Ion Ratio Lower Upper
 95 100
 174 68.7 0.0 143.8
 176 66.5 0.0 138.4

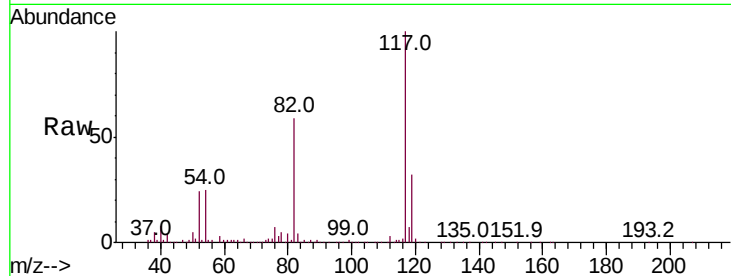




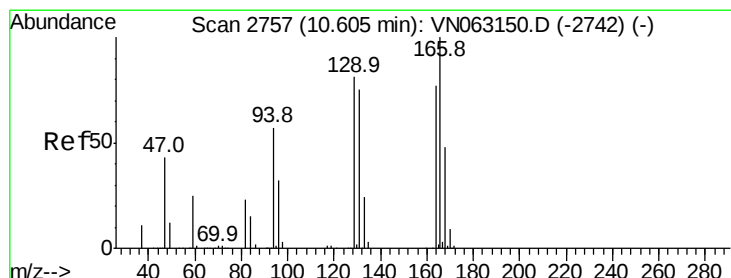
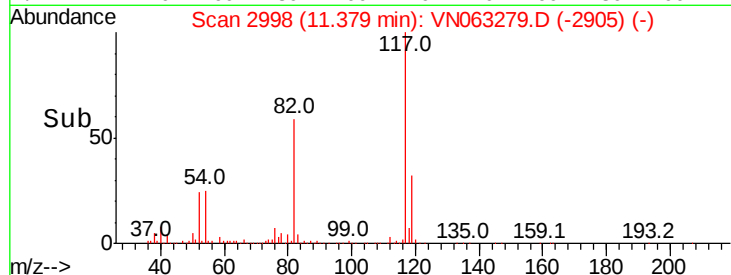
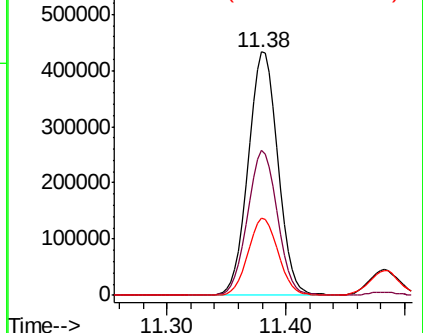
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

Tot Ion:117 Resp: 749968
Ion Ratio Lower Upper
117 100
82 59.3 45.4 68.0
119 31.7 24.6 37.0

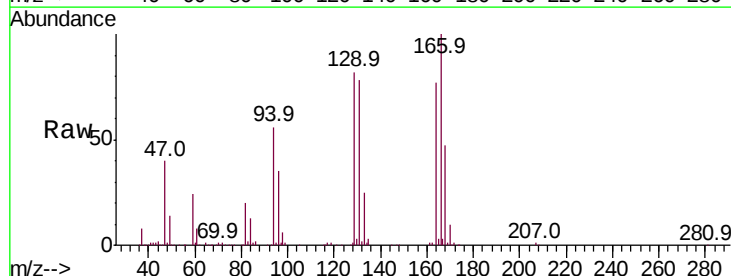


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

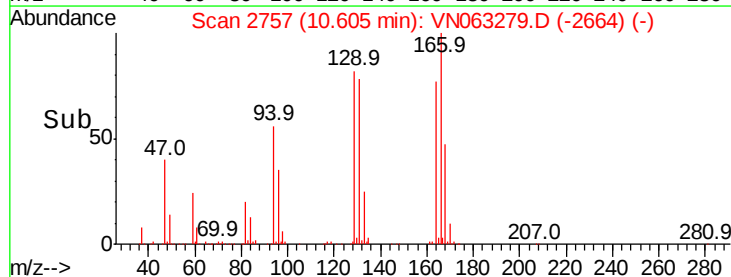
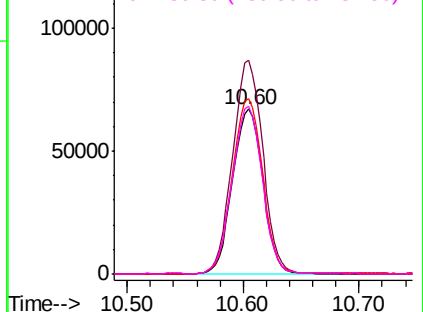


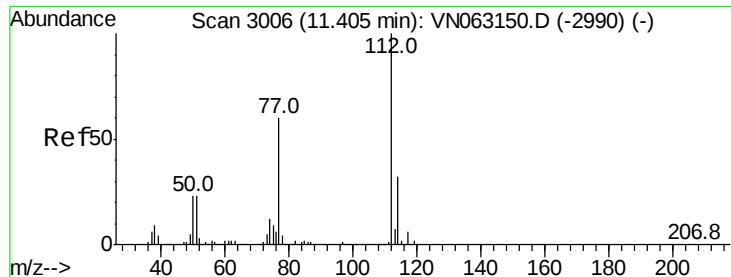
#64
Tetrachloroethene
Concen: 22.548 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion:164 Resp: 121432
Ion Ratio Lower Upper
164 100
166 129.5 103.4 155.2
129 106.7 83.4 125.0
131 101.3 77.8 116.8



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

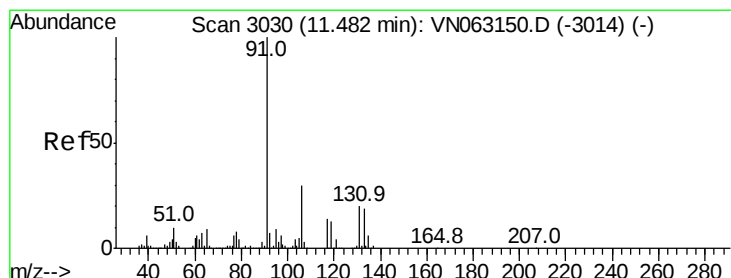
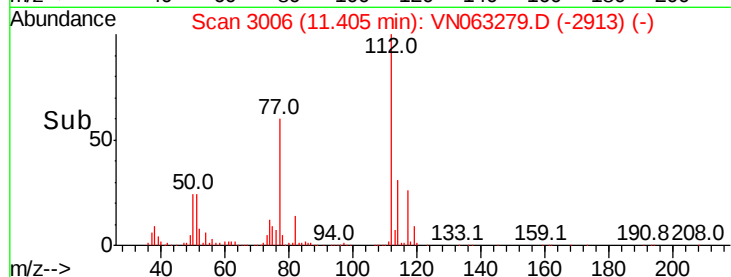
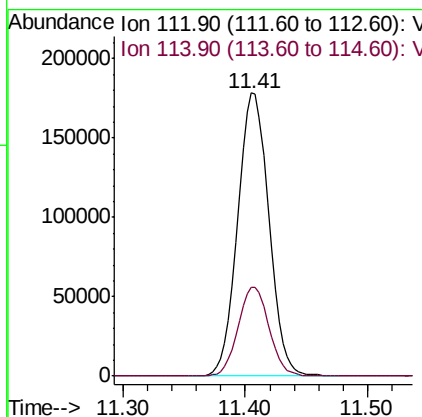
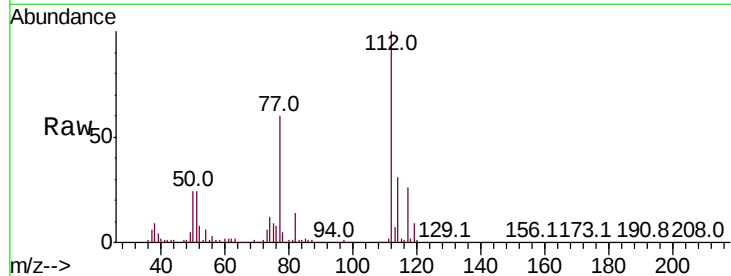




#65
Chlorobenzene
Concen: 20.879 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

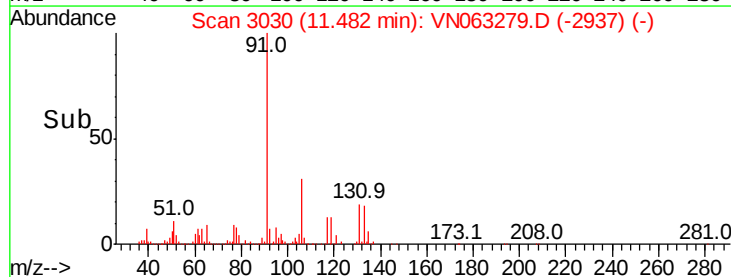
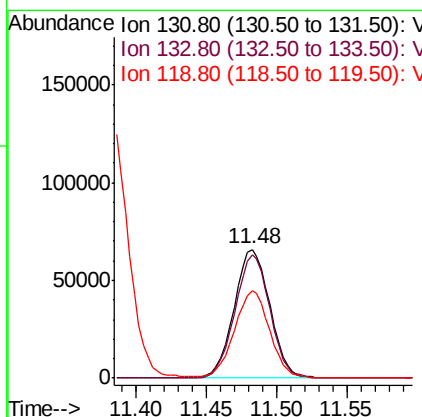
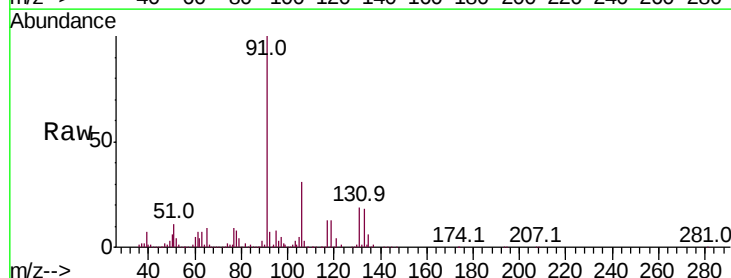
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

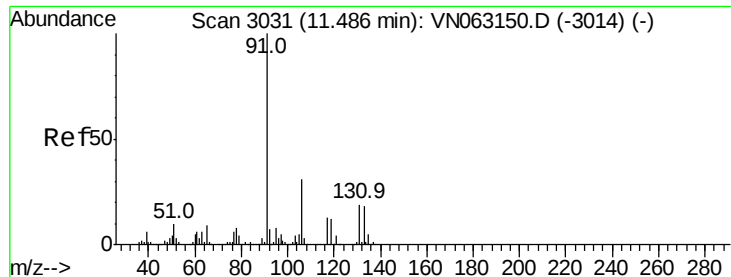
Tot Ion:112 Resp: 315387
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.756 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion:131 Resp: 116405
Ion Ratio Lower Upper
131 100
133 94.1 47.3 142.0
119 66.7 32.4 97.0

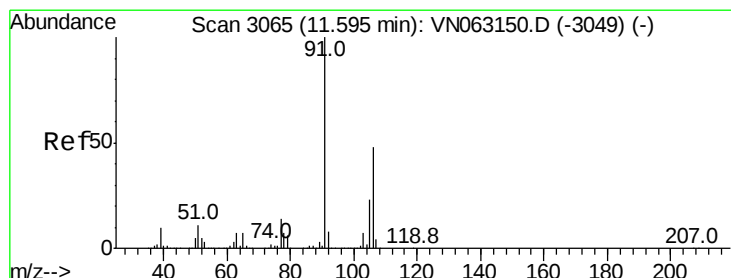
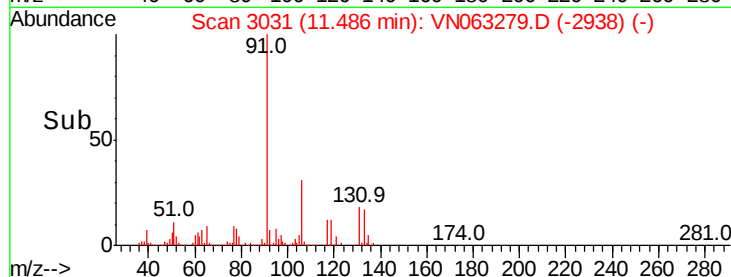
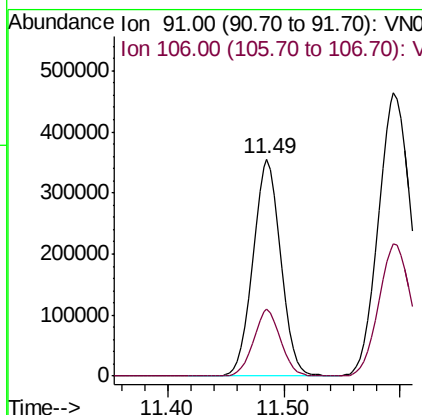
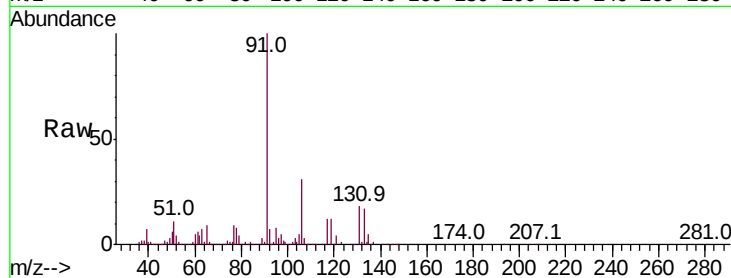




#67
Ethyl Benzene
Concen: 21.554 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

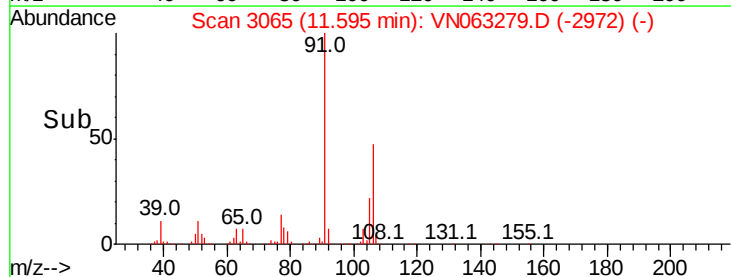
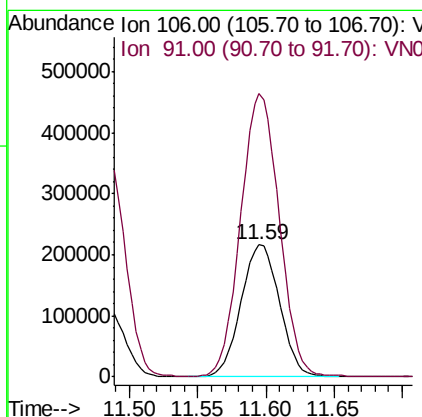
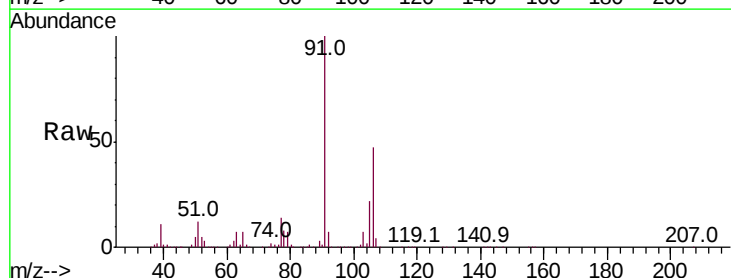
Instrument :
MSVOA_N
ClientSampled :
VN0909WBSD01

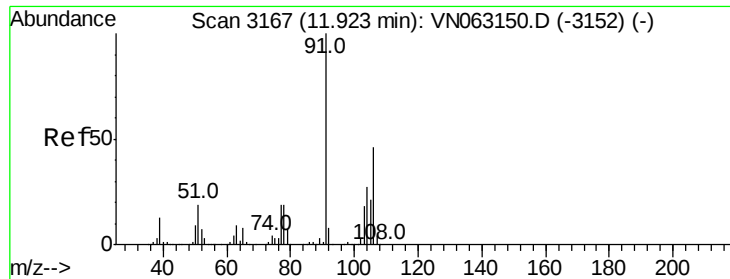
Tot Ion: 91 Resp: 593963
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6



#68
m/p-Xylenes
Concen: 41.508 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion: 106 Resp: 423635
Ion Ratio Lower Upper
106 100
91 213.8 166.7 250.1

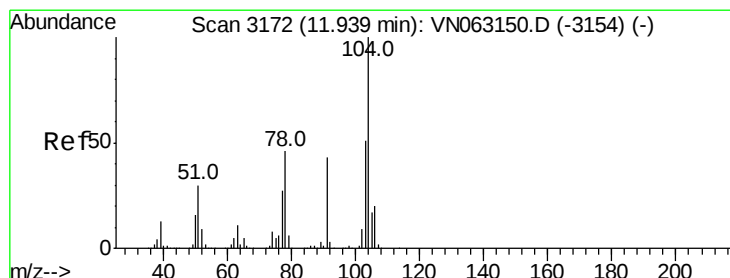
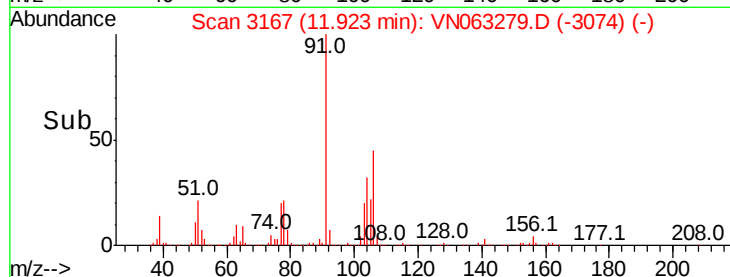
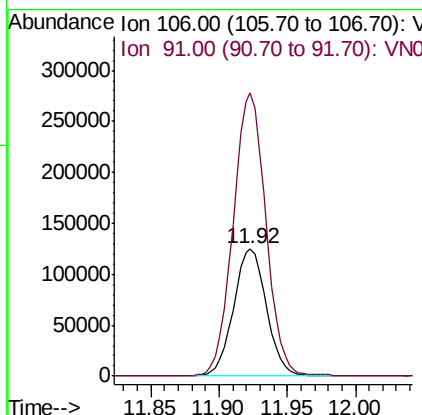
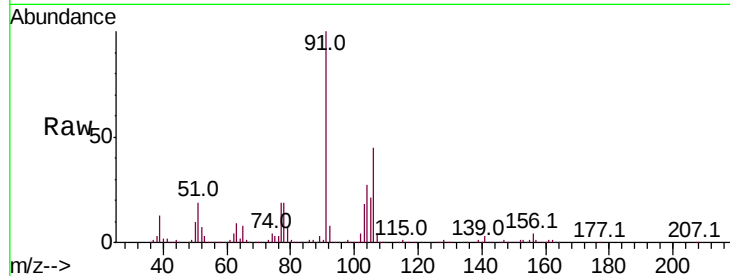




#69
o-Xylene
Concen: 21.218 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

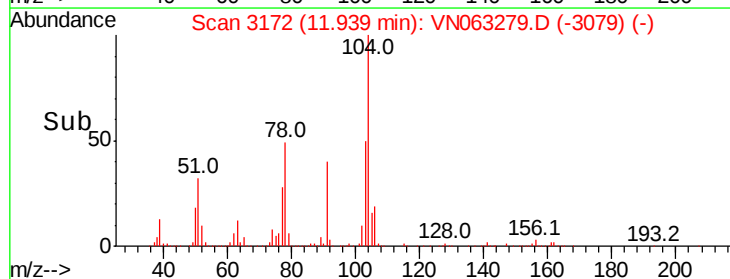
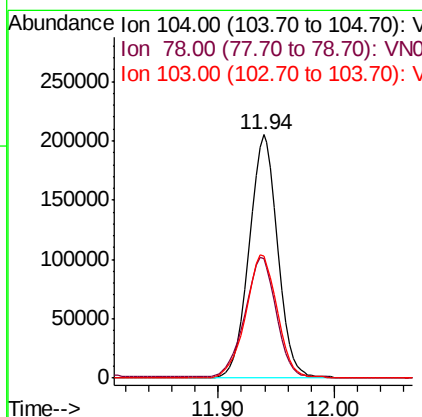
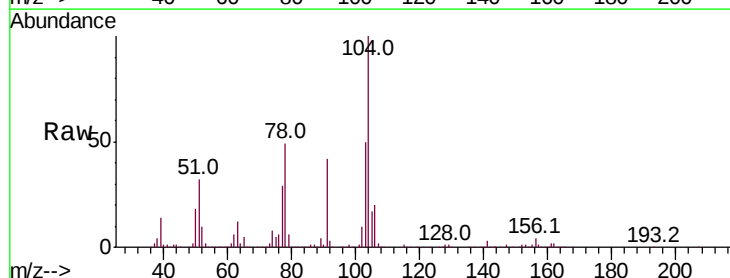
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

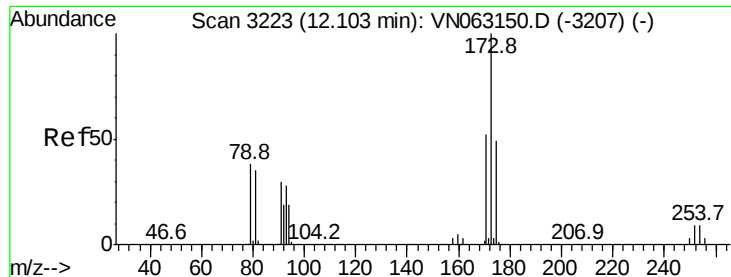
Tot Ion:106 Resp: 209195
Ion Ratio Lower Upper
106 100
91 219.1 108.6 325.6



#70
Styrene
Concen: 20.891 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion:104 Resp: 353979
Ion Ratio Lower Upper
104 100
78 54.3 41.0 61.6
103 55.5 43.8 65.8





#71

Bromoform

Concen: 22.022 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

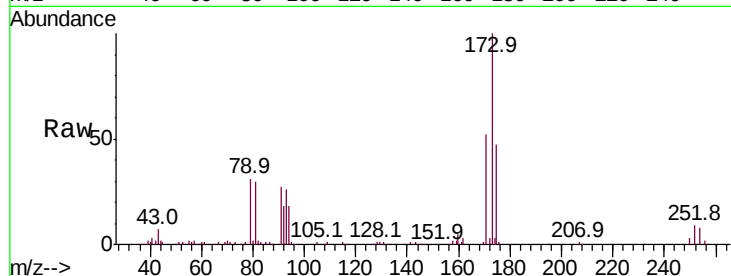
Tot Ion:173 Resp: 83815

Ion Ratio Lower Upper

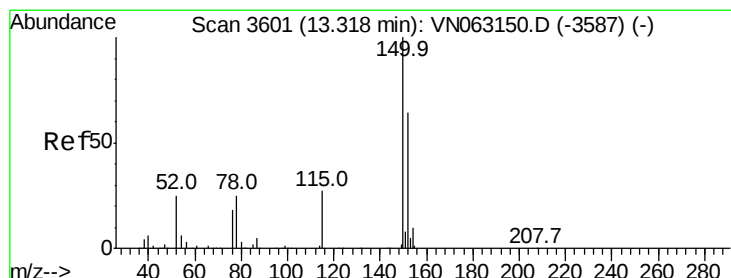
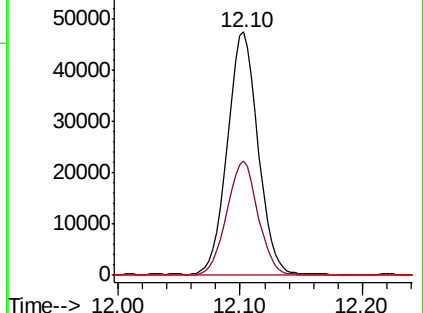
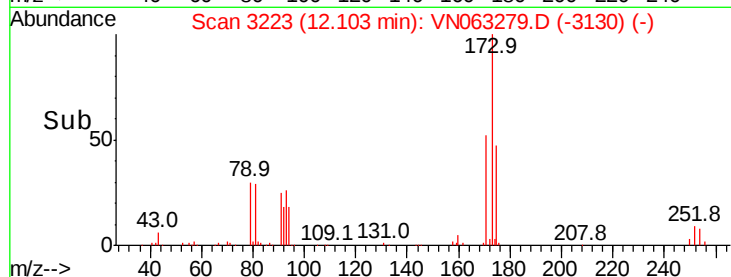
173 100

175 47.7 24.6 73.8

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# 3601

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

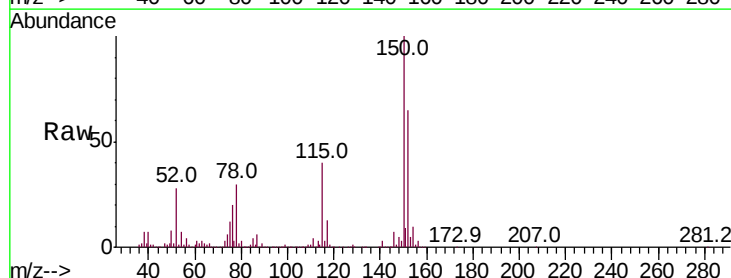
Tgt Ion:152 Resp: 354366

Ion Ratio Lower Upper

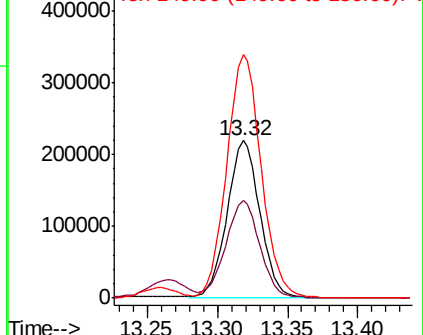
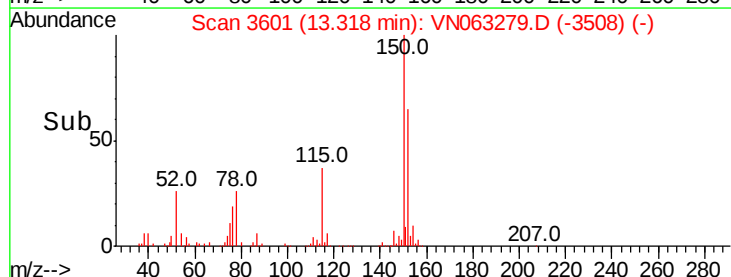
152 100

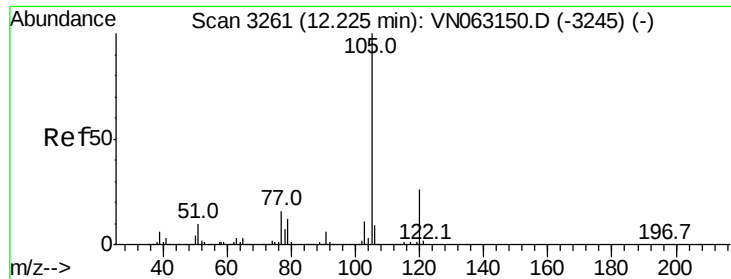
115 64.3 32.0 96.2

150 163.2 0.0 353.0



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





#73

Isopropylbenzene

Concen: 20.611 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

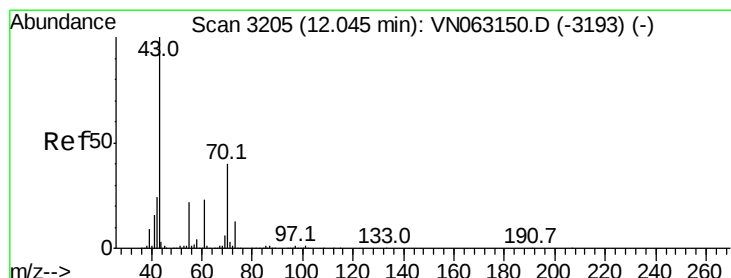
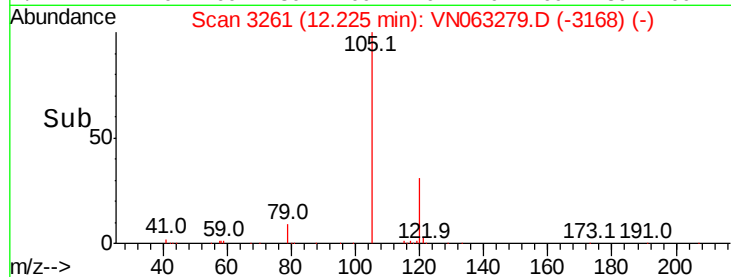
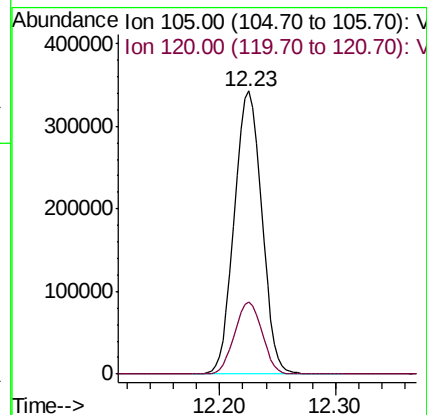
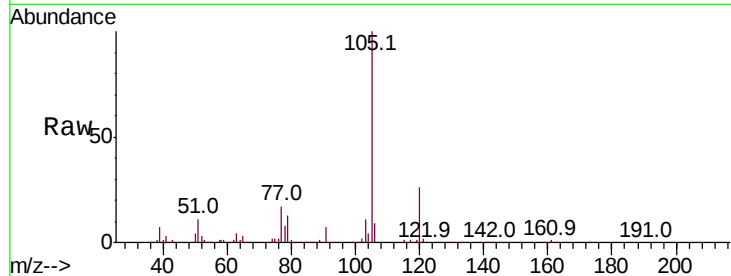
VN0909WBSD01

Tot Ion:105 Resp: 560184

Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.6



#74

N-ethyl acetate

Concen: 21.505 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Tgt Ion: 43 Resp: 242109

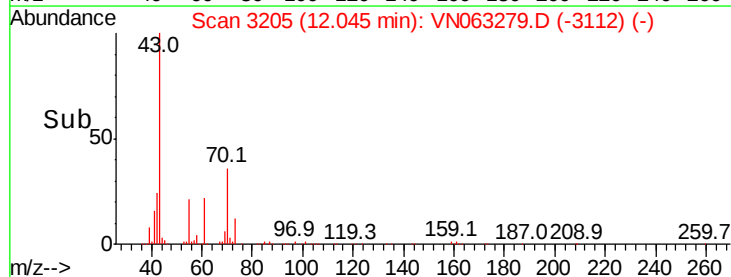
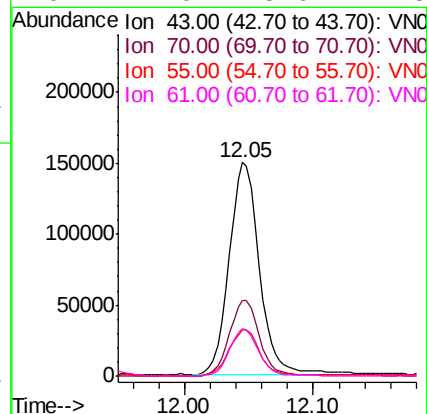
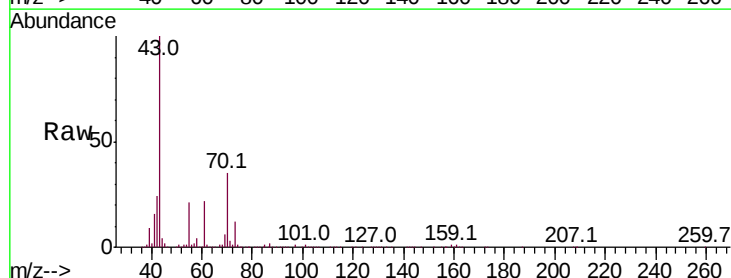
Ion Ratio Lower Upper

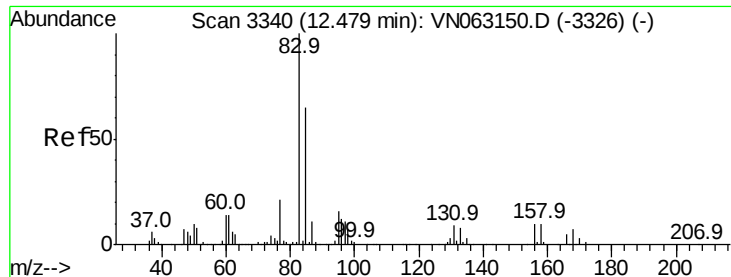
43 100

70 35.5 32.1 48.1

55 21.9 17.4 26.0

61 22.0 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.605 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

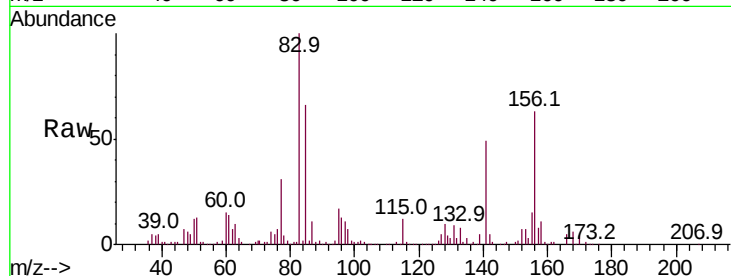
Tot Ion: 83 Resp: 161463

Ion Ratio Lower Upper

83 100

131 9.6 4.7 14.0

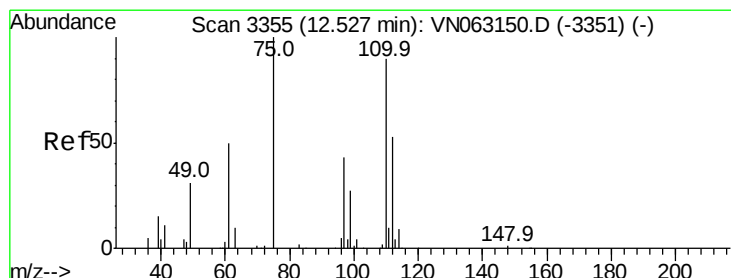
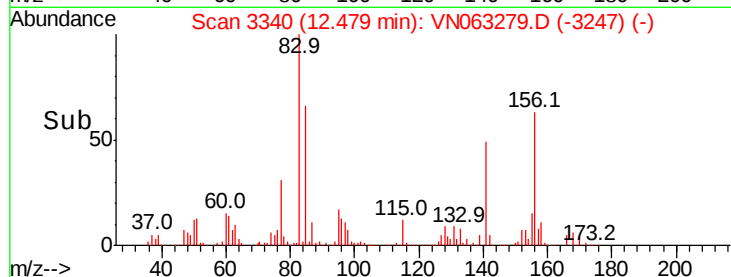
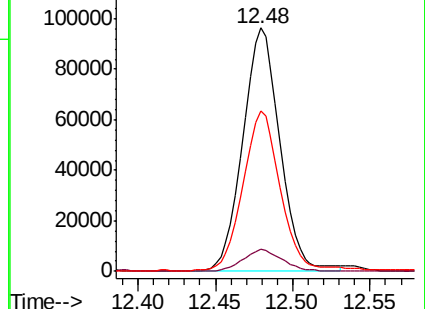
85 66.1 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN063279.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063279.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063279.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 32.272 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063279.D

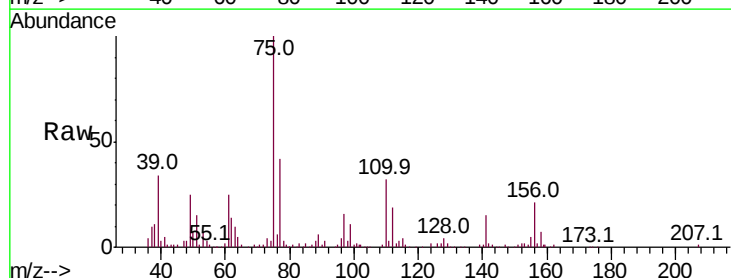
Acq: 9 Sep 2020 13:52

Tgt Ion: 75 Resp: 224696

Ion Ratio Lower Upper

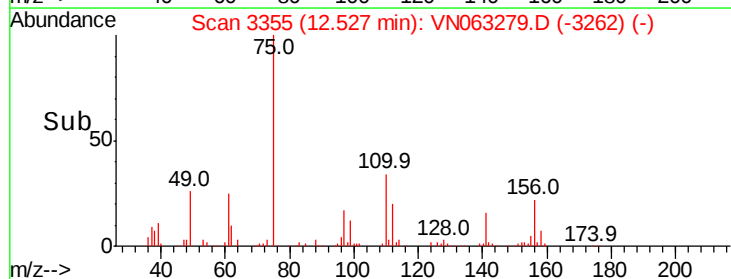
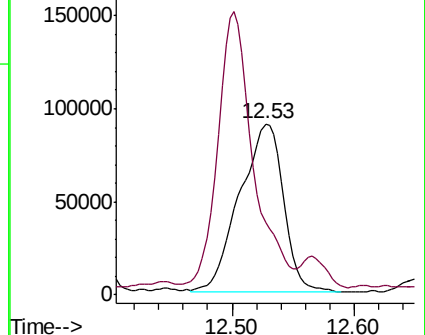
75 100

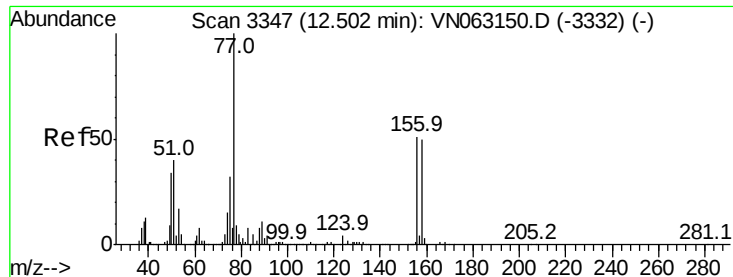
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063279.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063279.D (-3262) (-)





#77

Bromobenzene

Concen: 25.419 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

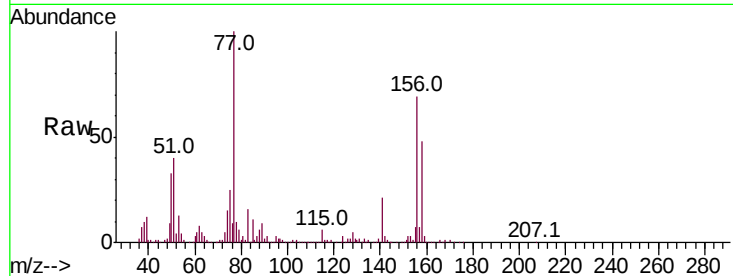
Tot Ion:156 Resp: 156246

Ion Ratio Lower Upper

156 100

77 188.0 116.1 348.3

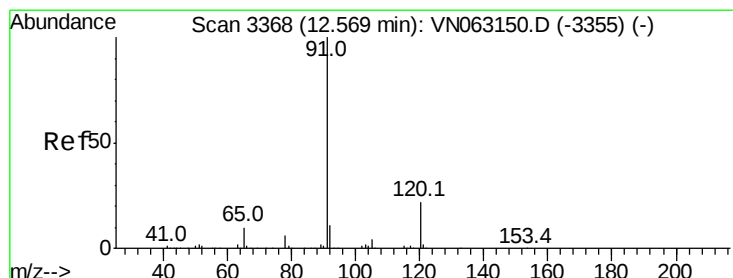
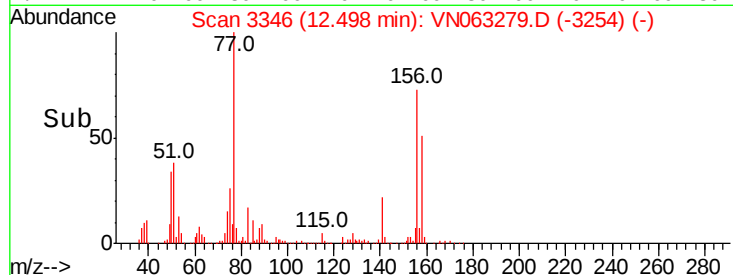
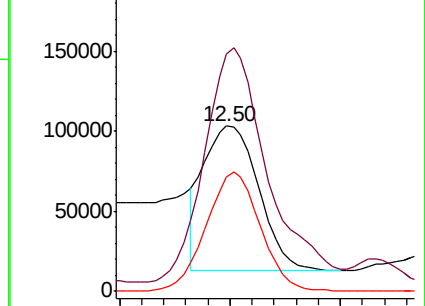
158 80.4 48.8 146.4



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: 20.653 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063279.D

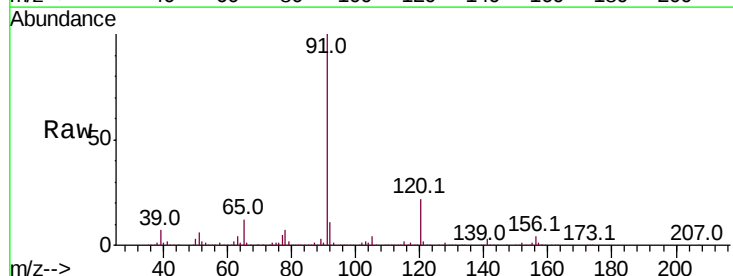
Acq: 9 Sep 2020 13:52

Tgt Ion: 91 Resp: 649551

Ion Ratio Lower Upper

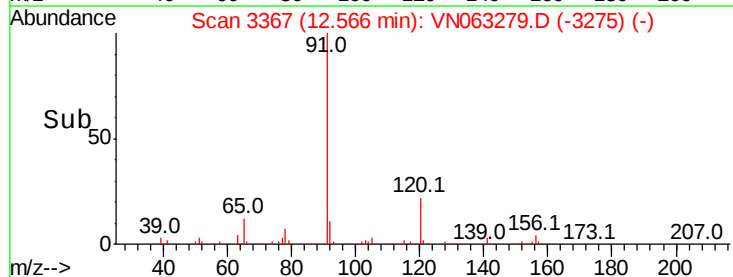
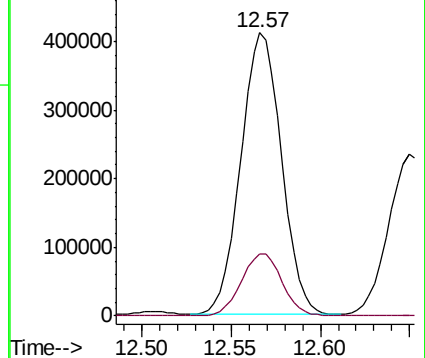
91 100

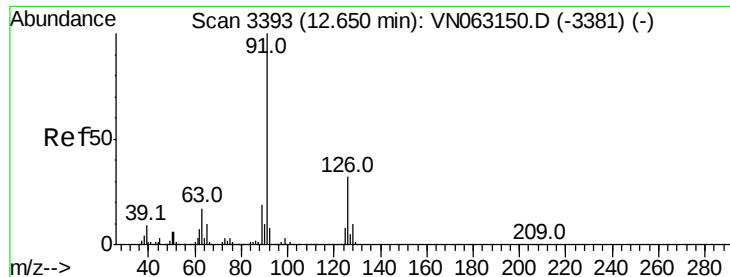
120 22.2 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.833 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

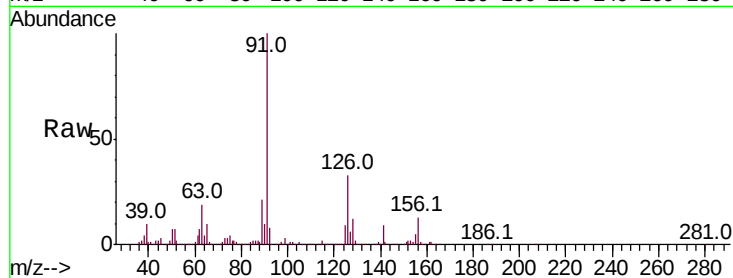
VN0909WBSD01

Tot Ion: 91 Resp: 392445

Ion Ratio Lower Upper

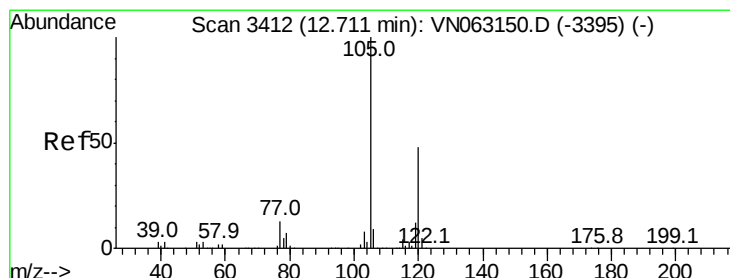
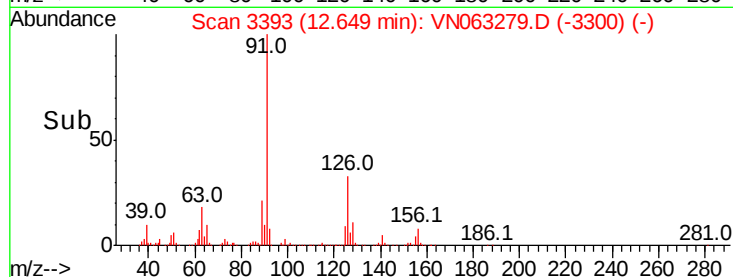
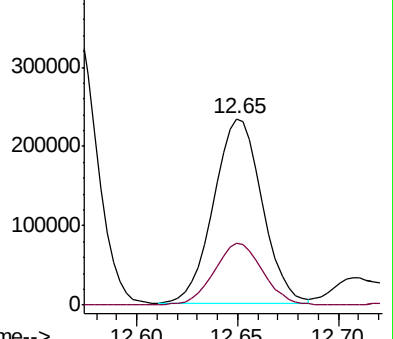
91 100

126 33.1 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3381) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.970 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063279.D

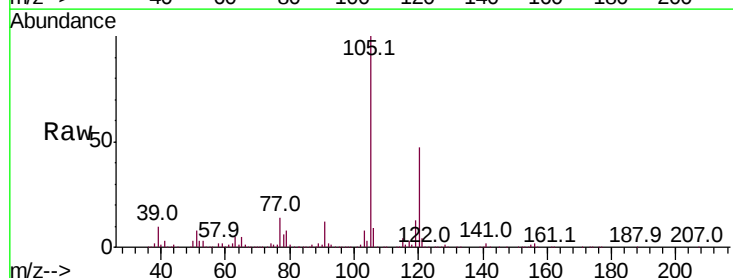
Acq: 9 Sep 2020 13:52

Tgt Ion: 105 Resp: 474414

Ion Ratio Lower Upper

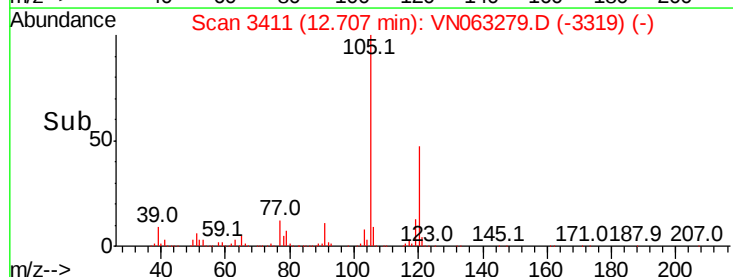
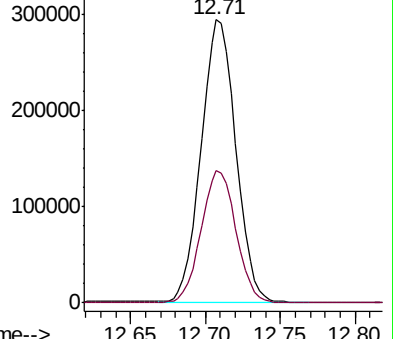
105 100

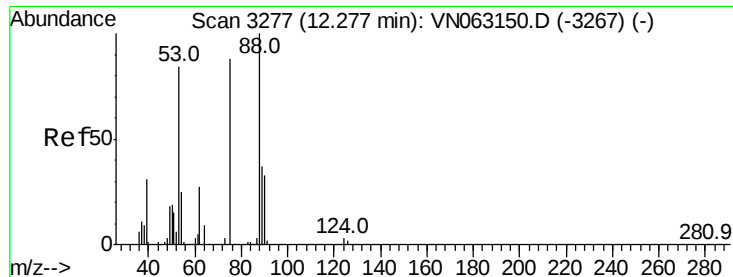
120 46.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063150.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN063150.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.899 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

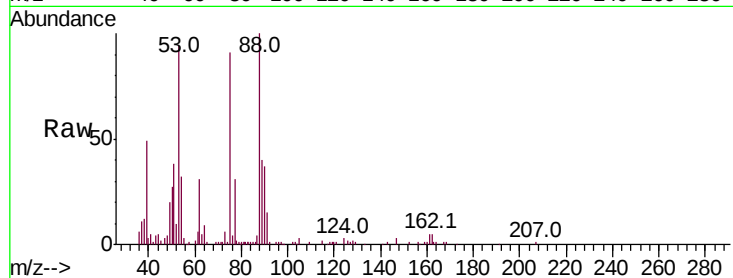
MSVOA_N

ClientSampleId :

VN0909WBSD01

Tot Ion: 75 Resp: 54443

Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.7	118.1
89	45.3	35.3	52.9

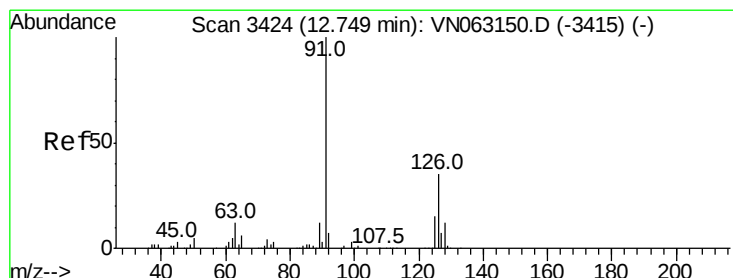
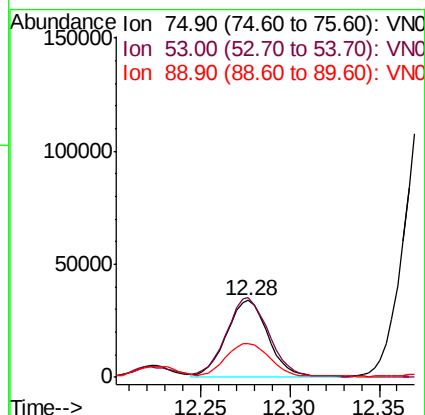
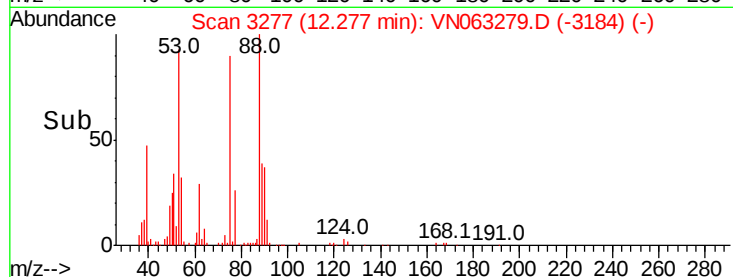


Abundance

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: 21.012 ug/l

RT: 12.75 min Scan# 3424

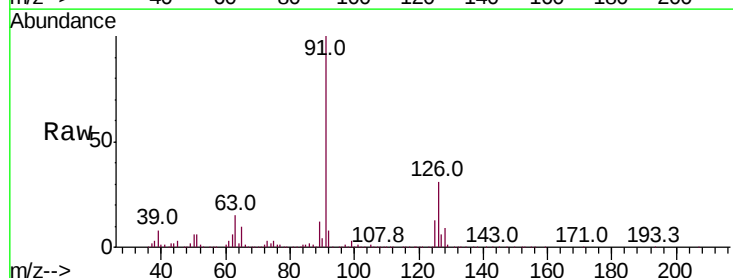
Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Tgt Ion: 91 Resp: 410505

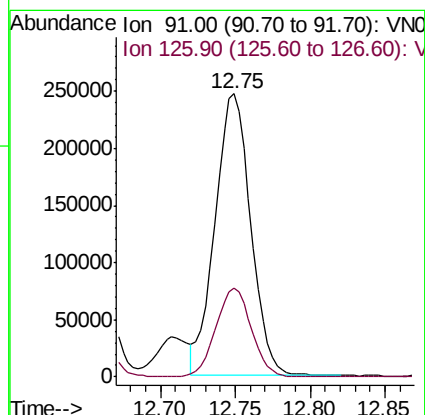
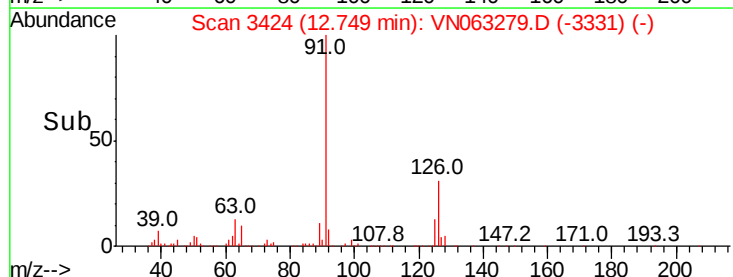
Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.2	48.5

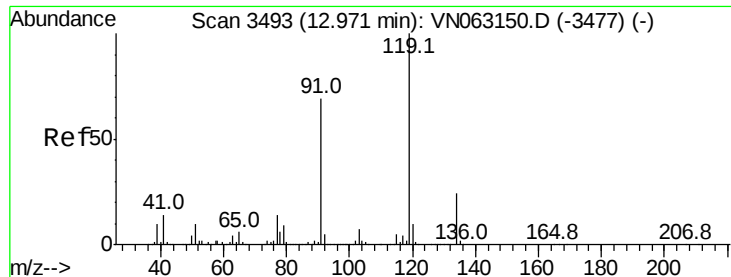


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.041 ug/l

RT: 12.97 min Scan# 3493

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

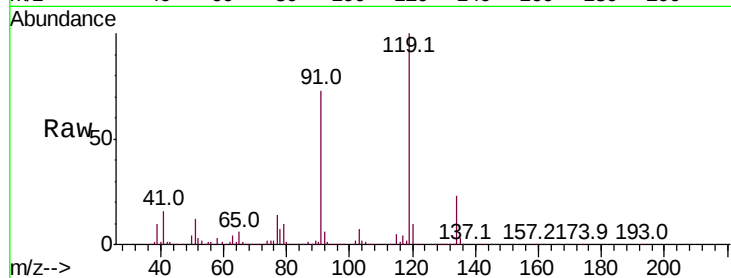
Tot Ion:119 Resp: 388846

Ion Ratio Lower Upper

119 100

91 71.0 33.7 101.0

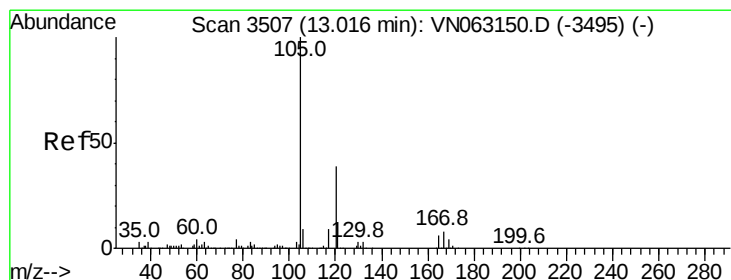
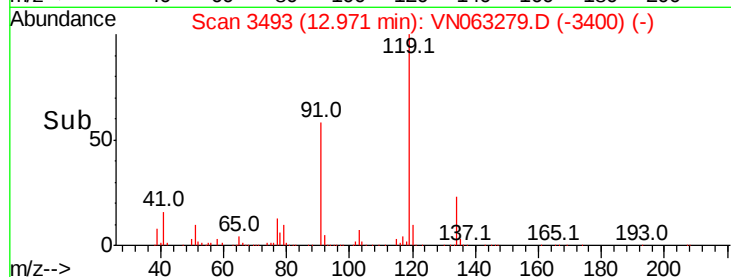
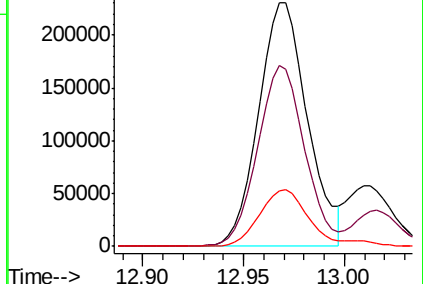
134 23.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.381 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. -0.00 min

Lab File: VN063279.D

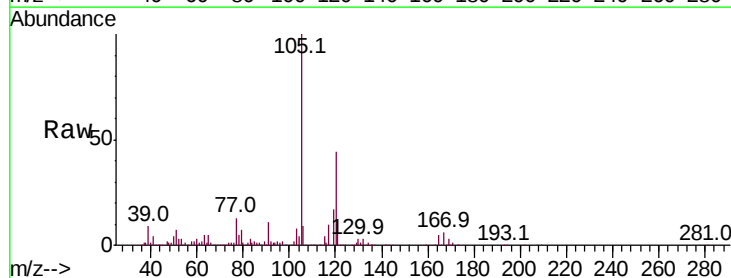
Acq: 9 Sep 2020 13:52

Tgt Ion:105 Resp: 487549

Ion Ratio Lower Upper

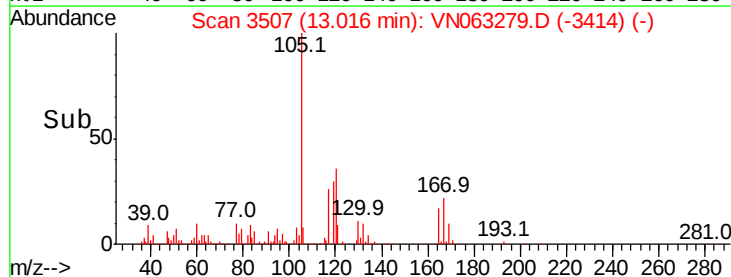
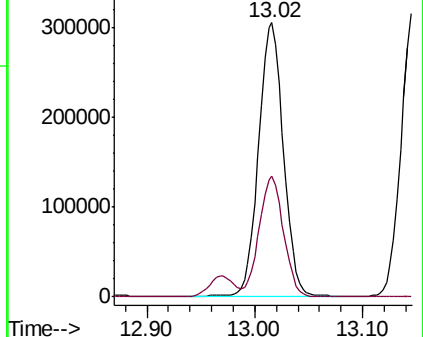
105 100

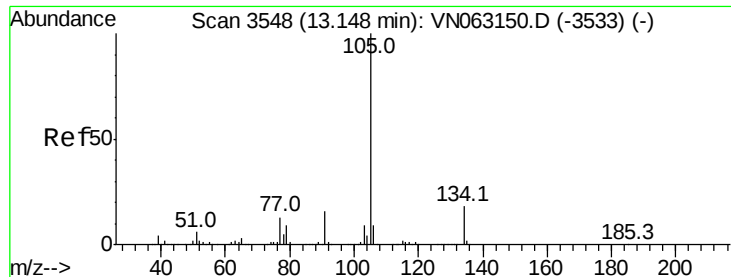
120 43.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

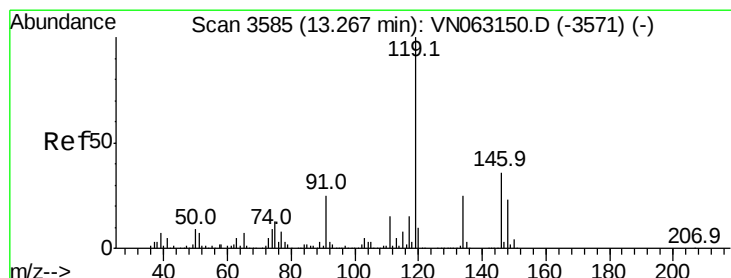
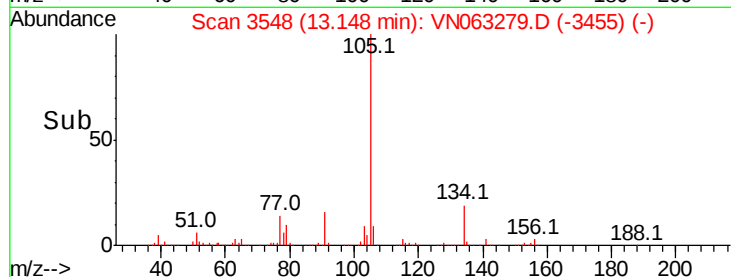
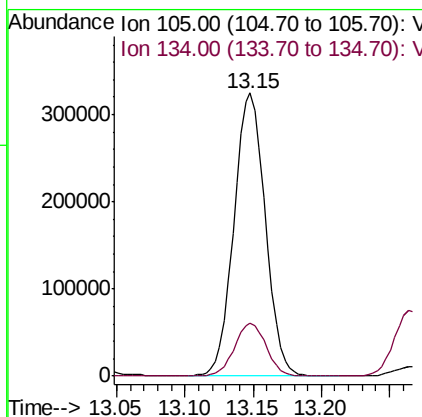
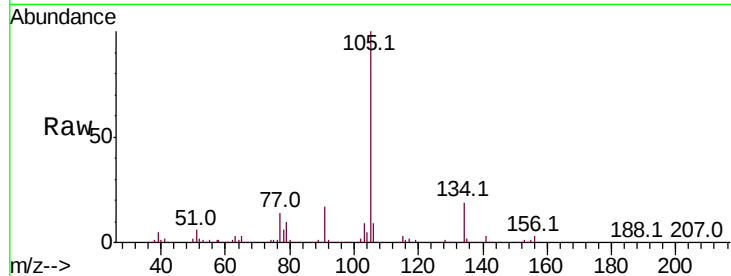




#85
 sec-Butylbenzene
 Concen: 20.358 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

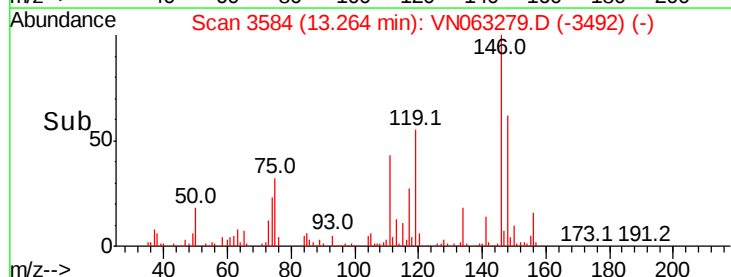
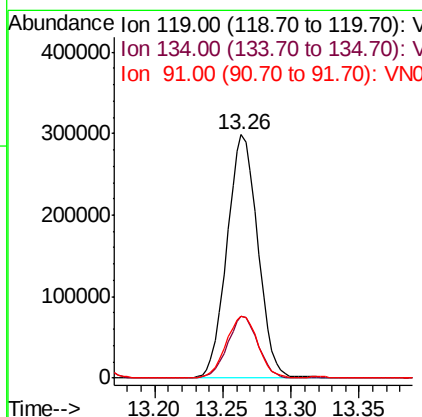
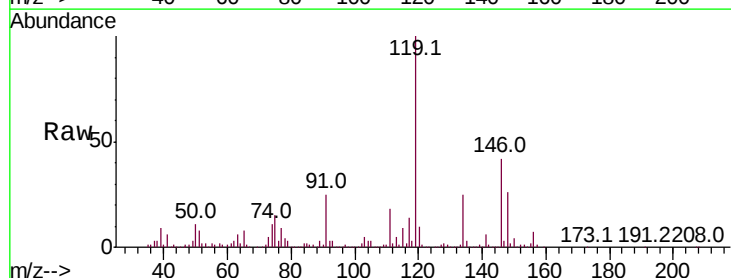
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

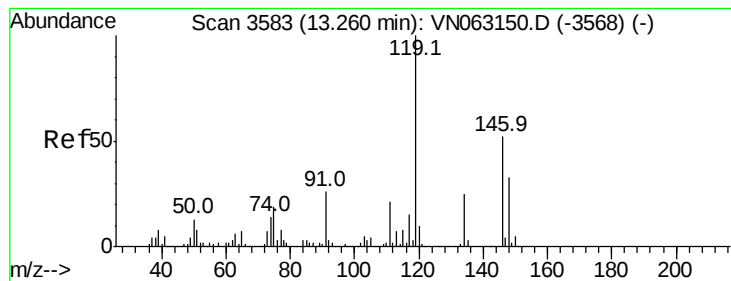
Tot Ion:105 Resp: 514791
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 20.756 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Tgt Ion:119 Resp: 465976
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.4 37.4
 91 25.8 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 20.628 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

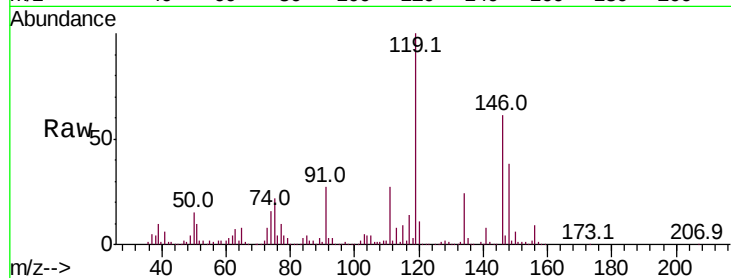
Tot Ion:146 Resp: 232932

Ion Ratio Lower Upper

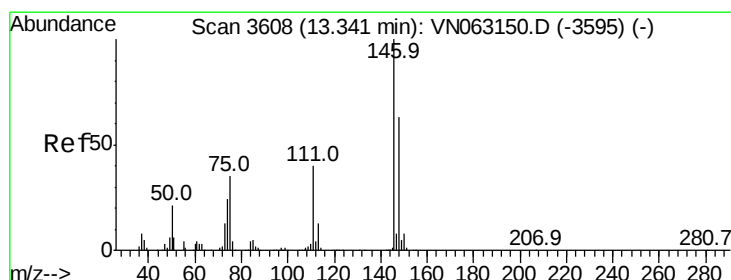
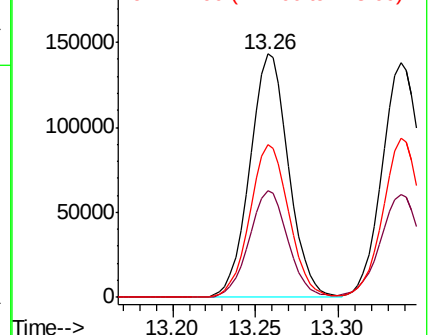
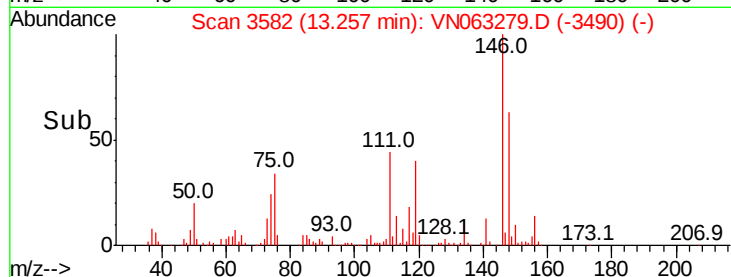
146 100

111 43.9 21.3 63.7

148 63.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.407 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

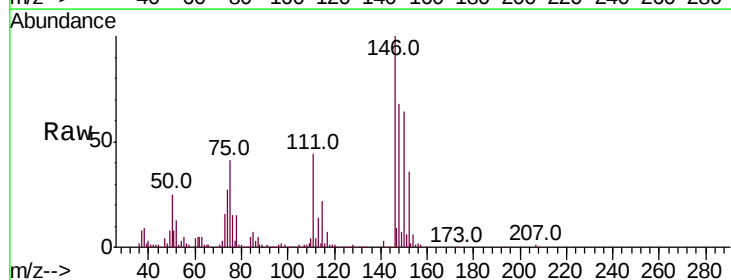
Tgt Ion:146 Resp: 226923

Ion Ratio Lower Upper

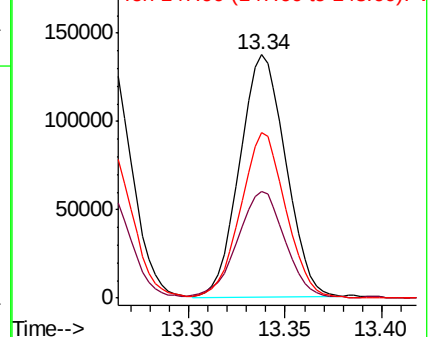
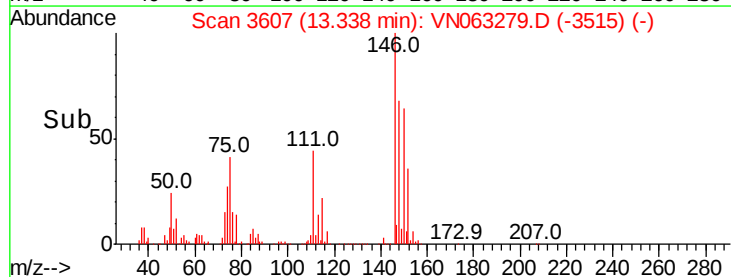
146 100

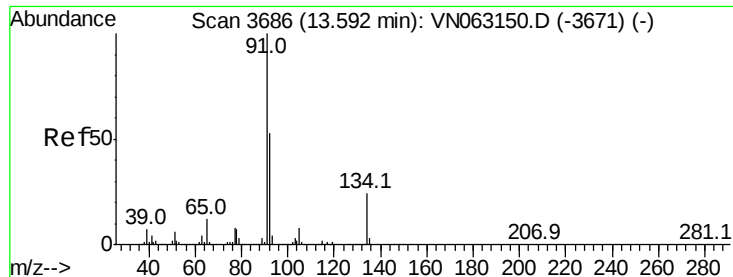
111 45.2 20.5 61.5

148 66.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

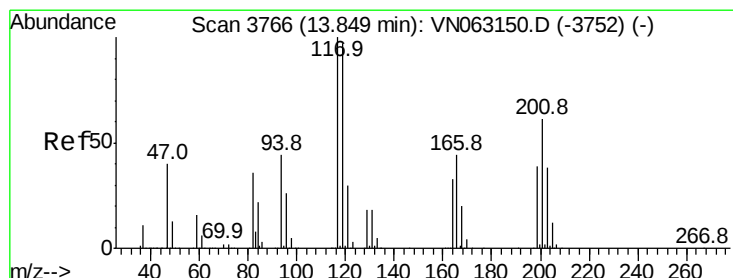
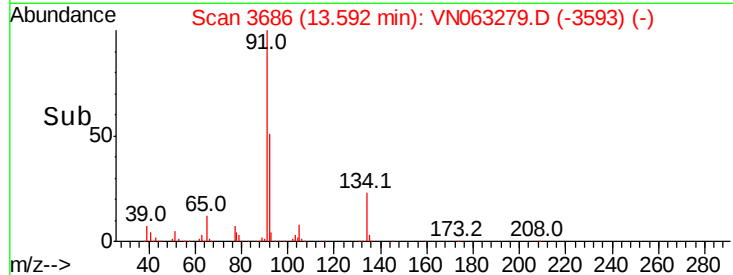
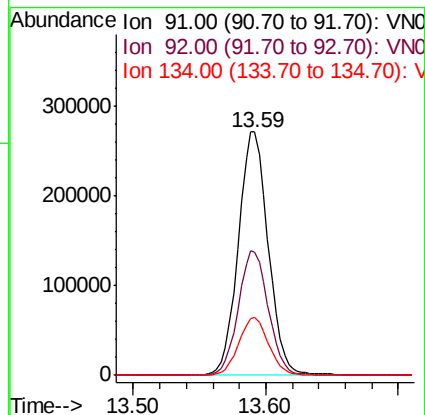
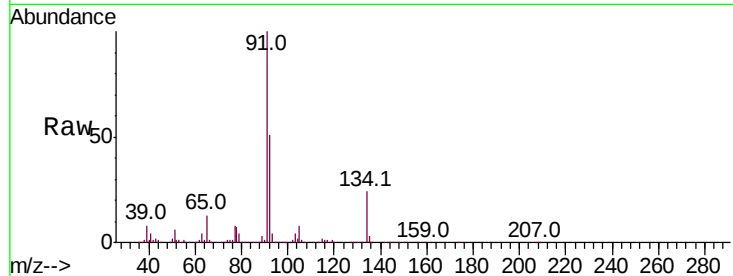




#89
n-Butylbenzene
Concen: 20.433 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

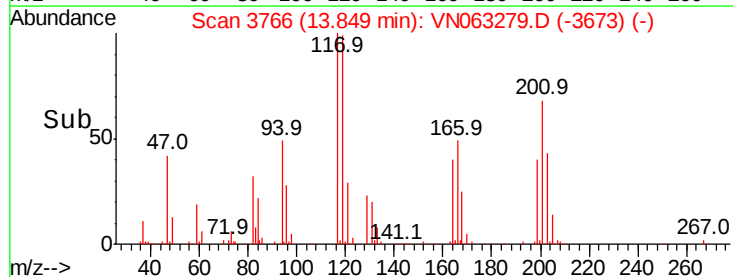
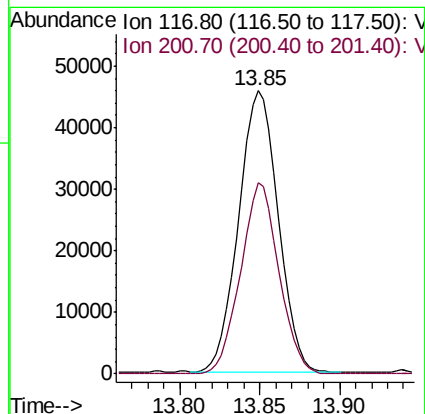
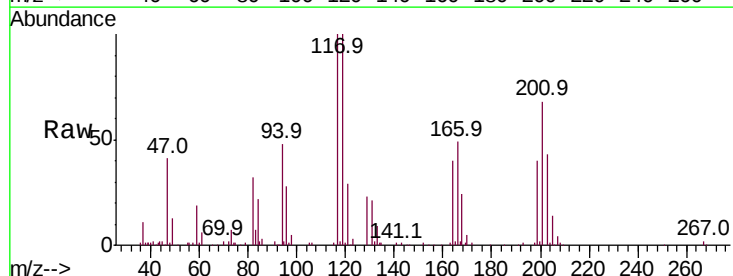
Instrument :
MSVOA_N
ClientSampleId :
VN0909WBSD01

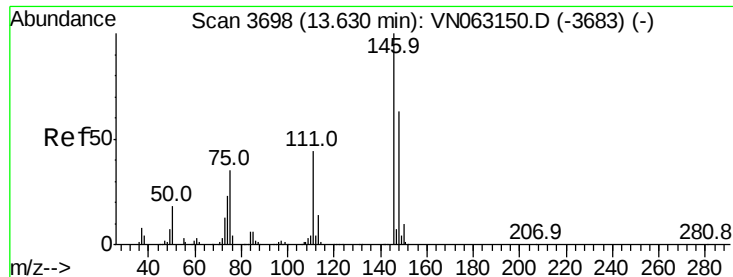
Tot Ion: 91 Resp: 423770
Ion Ratio Lower Upper
91 100
92 51.6 26.3 78.8
134 24.1 12.0 36.0



#90
Hexachloroethane
Concen: 18.645 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063279.D
Acq: 9 Sep 2020 13:52

Tgt Ion: 117 Resp: 77484
Ion Ratio Lower Upper
117 100
201 65.4 30.6 92.0

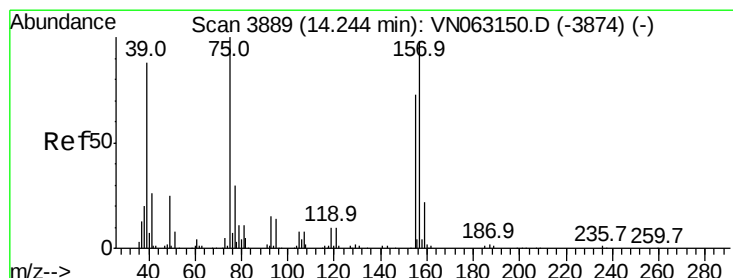
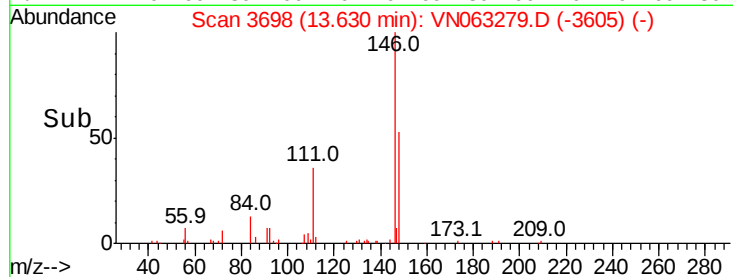
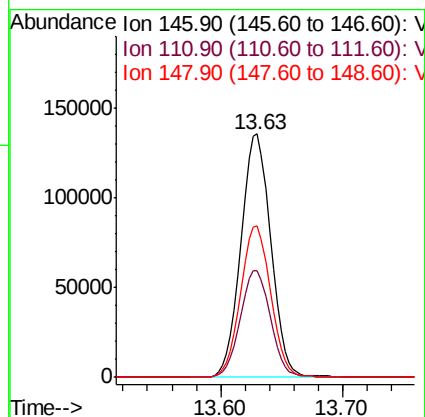
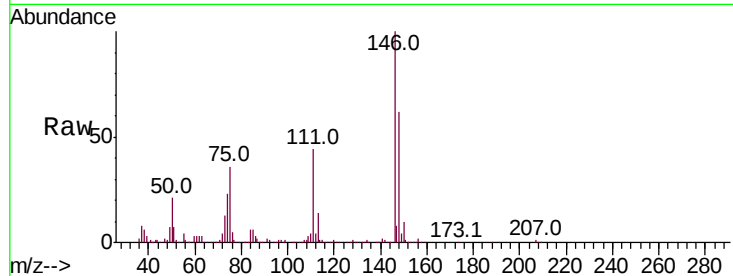




#91
 1,2-Dichlorobenzene
 Concen: 21.068 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

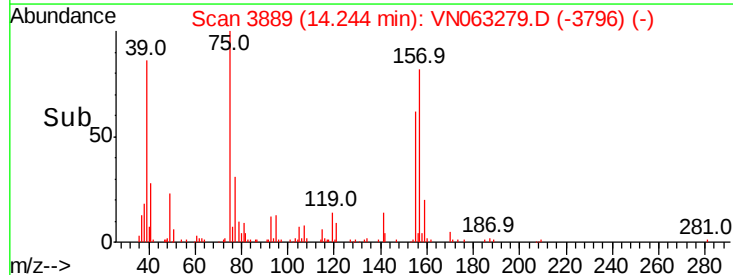
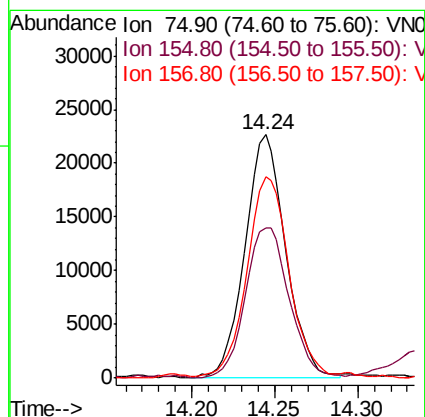
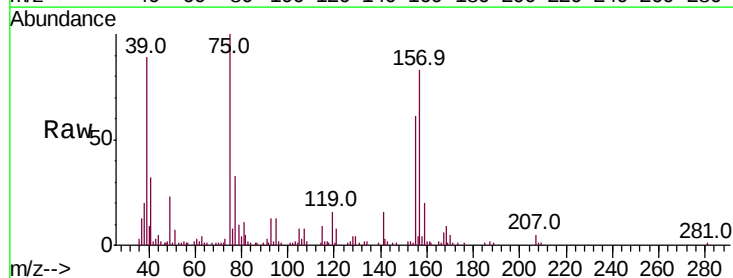
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

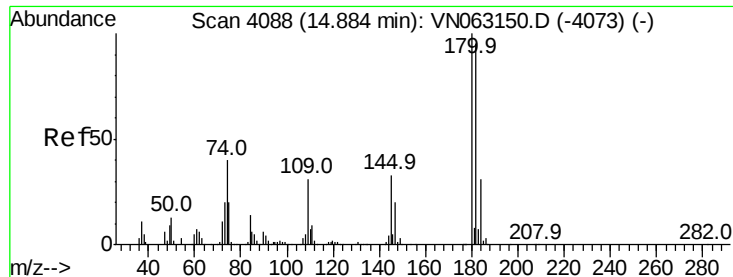
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	62.7	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.583 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.6	36.1	108.5
157	83.5	48.4	145.0

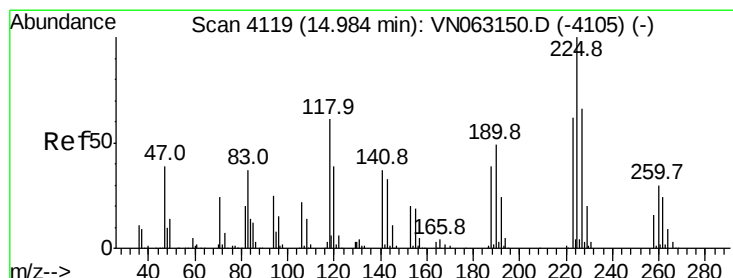
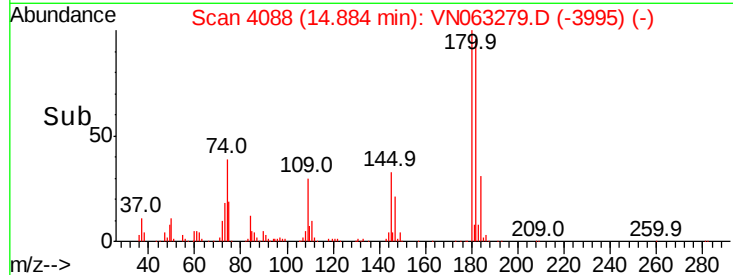
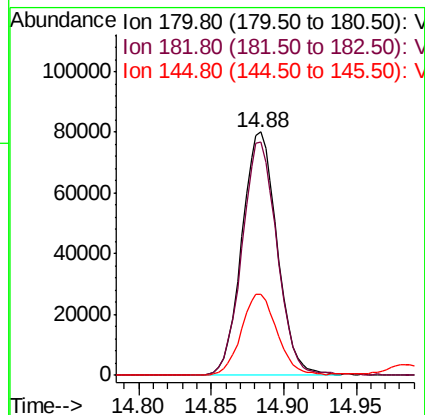
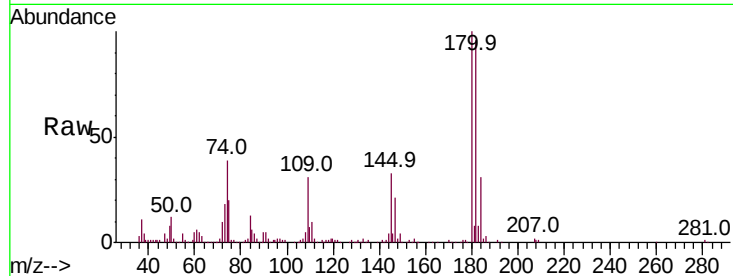




#93
 1,2,4-Trichlorobenzene
 Concen: 22.162 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

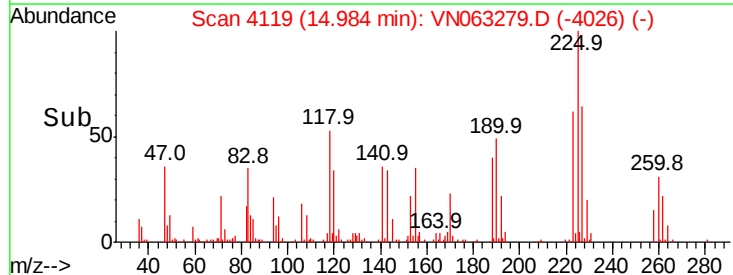
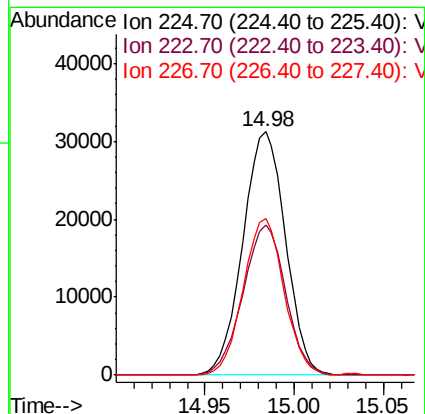
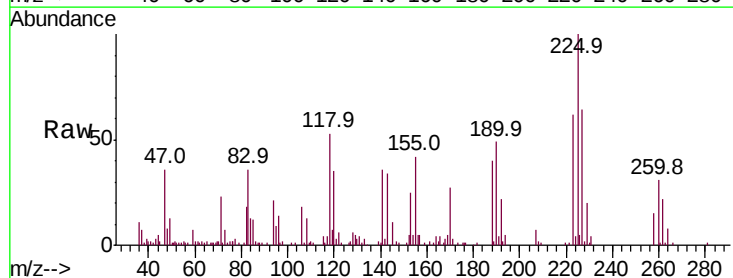
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBSD01

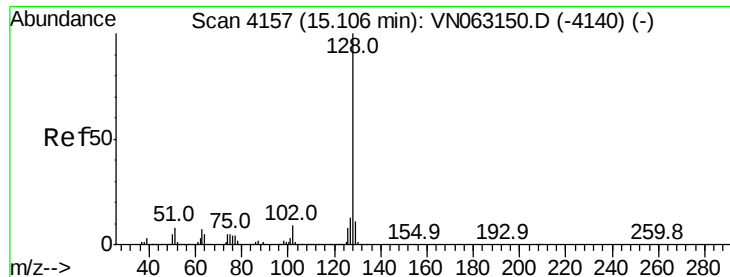
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	34.0	16.6	49.8



#94
 Hexachlorobutadiene
 Concen: 22.830 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN063279.D
 Acq: 9 Sep 2020 13:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.9	92.7
227	61.3	32.9	98.7





#95

Naphthalene

Concen: 27.078 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBSD01

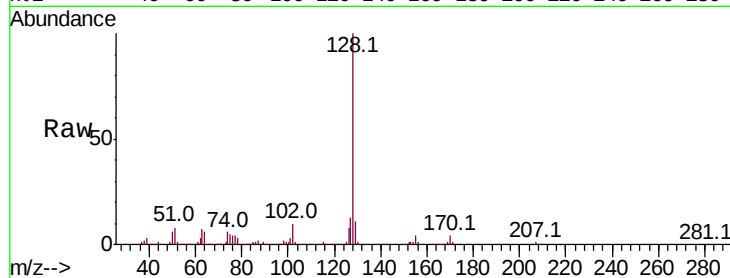
Tot Ion:128 Resp: 553075

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

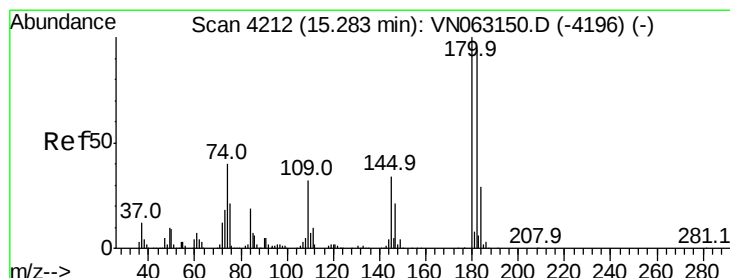
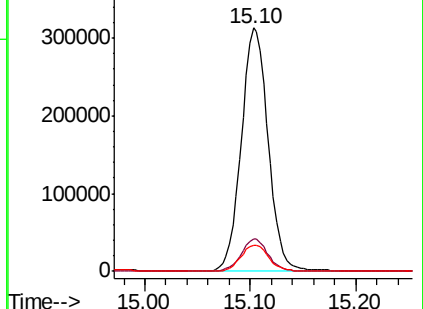
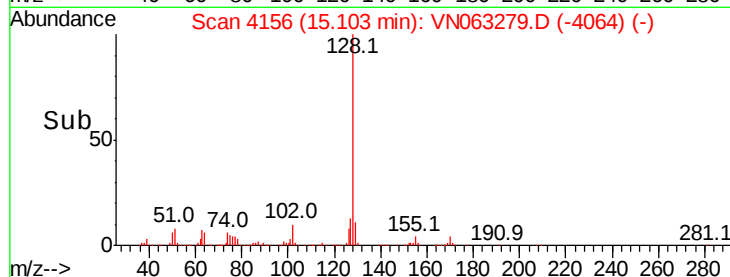
129 11.4 8.6 13.0



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: 21.236 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063279.D

Acq: 9 Sep 2020 13:52

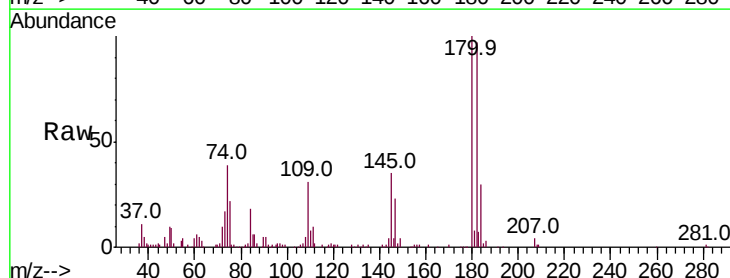
Tgt Ion:180 Resp: 126664

Ion Ratio Lower Upper

180 100

182 94.6 47.5 142.5

145 36.3 17.3 52.0



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

