

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063555.D
 Acq On : 23 Sep 2020 1:16
 Operator : JC/MD
 Sample : VN0922WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Quant Time: Sep 23 05:51:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	237479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	393429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175581	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	199853	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.55	113	140728	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.06	98	516890	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
62) 4-Bromofluorobenzene	12.38	95	191249	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	54317	20.189	ug/l	98
3) Chloromethane	2.04	50	66492	18.682	ug/l	99
4) Vinyl Chloride	2.17	62	67416	21.379	ug/l	97
5) Bromomethane	2.54	94	43715	23.349	ug/l	94
6) Chloroethane	2.68	64	39450	20.381	ug/l	98
7) Trichlorofluoromethane	2.99	101	103066	21.907	ug/l	96
8) Diethyl Ether	3.38	74	37257	20.314	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53539	20.235	ug/l	97
10) Methyl Iodide	3.92	142	65045	18.882	ug/l	98
11) Tert butyl alcohol	4.72	59	47528	84.867	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	52852	19.722	ug/l	98
13) Acrolein	3.57	56	19834	95.567	ug/l	96
14) Allyl chloride	4.28	41	90124	17.001	ug/l	90
15) Acrylonitrile	4.93	53	140388	98.550	ug/l	98
16) Acetone	3.78	43	131871	101.502	ug/l	96
17) Carbon Disulfide	4.01	76	141052	18.095	ug/l	98
18) Methyl Acetate	4.28	43	69769	21.154	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	199585	19.982	ug/l	98
20) Methylene Chloride	4.51	84	69242	21.035	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	58291	19.632	ug/l	93
22) Diisopropyl ether	5.90	45	212926	19.695	ug/l	95
23) Vinyl Acetate	5.85	43	871823	98.191	ug/l	100
24) 1,1-Dichloroethane	5.80	63	118352	20.051	ug/l	99
25) 2-Butanone	6.78	43	190689	95.433	ug/l	97
26) 2,2-Dichloropropane	6.78	77	82924	15.957	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	68503	20.384	ug/l	99
28) Bromochloromethane	7.15	49	55817	20.481	ug/l	99
29) Tetrahydrofuran	7.17	42	130204	95.410	ug/l	99
30) Chloroform	7.33	83	123986	20.937	ug/l	97
31) Cyclohexane	7.61	56	100460	17.993	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	107761	20.459	ug/l	100
36) 1,1-Dichloropropene	7.75	75	86589	19.231	ug/l	99
37) Ethyl Acetate	6.88	43	88404	20.005	ug/l #	91
38) Carbon Tetrachloride	7.73	117	90357	19.659	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	86683	17.739	ug/l	96
40) Benzene	8.00	78	256950	19.991	ug/l	99
41) Methacrylonitrile	7.17	41	125038	62.912	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	106810	20.664	ug/l	99
43) Isopropyl Acetate	8.13	43	146672	18.562	ug/l	99
44) Trichloroethene	8.80	130	63388	20.333	ug/l	98
45) 1,2-Dichloropropane	9.08	63	70283	20.077	ug/l	98
46) Dibromomethane	9.18	93	47974	20.851	ug/l	98
47) Bromodichloromethane	9.37	83	95751	20.032	ug/l	97
48) Methyl methacrylate	9.17	41	71098	18.314	ug/l	96
49) 1,4-Dioxane	9.17	88	20059	360.052	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	432976	97.878	ug/l	99
52) Toluene	10.13	92	158793	20.549	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	96207	18.029	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	103917	18.462	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	65914	21.474	ug/l	98
56) Ethyl methacrylate	10.40	69	89217	18.619	ug/l	98
57) 1,3-Dichloropropane	10.68	76	108905	19.675	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	232407	92.456	ug/l	97
59) 2-Hexanone	10.72	43	305665	95.377	ug/l	99
60) Dibromochloromethane	10.87	129	67877	19.574	ug/l	98
61) 1,2-Dibromoethane	10.98	107	65071	20.405	ug/l	100
64) Tetrachloroethene	10.60	164	57785	21.570	ug/l	98
65) Chlorobenzene	11.41	112	165282	19.791	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	61150	19.975	ug/l	98
67) Ethyl Benzene	11.49	91	303787	19.316	ug/l	99
68) m/p-Xylenes	11.59	106	222937	39.315	ug/l	100
69) o-Xylene	11.92	106	106449	19.706	ug/l	100
70) Styrene	11.94	104	180285	19.902	ug/l	98
71) Bromoform	12.10	173	42032	18.430	ug/l #	99
73) Isopropylbenzene	12.22	105	285940	20.323	ug/l	100
74) N-amyl acetate	12.05	43	124606	18.709	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	88574	20.331	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	120474	27.721	ug/l #	100
77) Bromobenzene	12.50	156	68409	21.614	ug/l	97
78) n-propylbenzene	12.57	91	332489	20.289	ug/l	99
79) 2-Chlorotoluene	12.65	91	202095	20.572	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	240962	20.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	26106	16.469	ug/l	95
82) 4-Chlorotoluene	12.75	91	210232	20.255	ug/l	99
83) tert-Butylbenzene	12.97	119	193037	19.935	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	242778	20.486	ug/l	99
85) sec-Butylbenzene	13.14	105	259621	20.030	ug/l	100
86) p-Isopropyltoluene	13.26	119	227919	19.936	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	119589	20.386	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	122045	20.463	ug/l	100
89) n-Butylbenzene	13.59	91	199229	18.906	ug/l	99
90) Hexachloroethane	13.85	117	40293	18.509	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	120533	20.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18456	17.791	ug/l	97

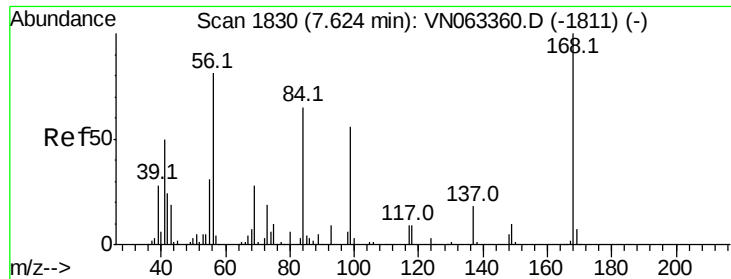
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092220\
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	62166	18.309	ug/l	95
94) Hexachlorobutadiene	14.98	225	29860	21.243	ug/l	99
95) Naphthalene	15.10	128	207173	18.469	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	63255	19.282	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

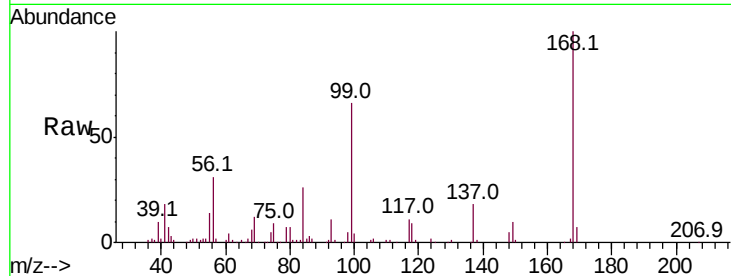
VN0922WBS02

Tot Ion:168 Resp: 237479

Ion Ratio Lower Upper

168 100

99 65.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

60000

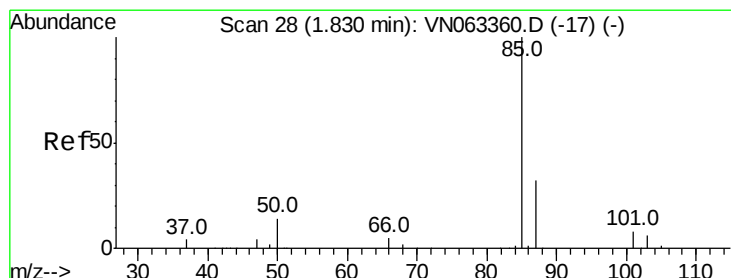
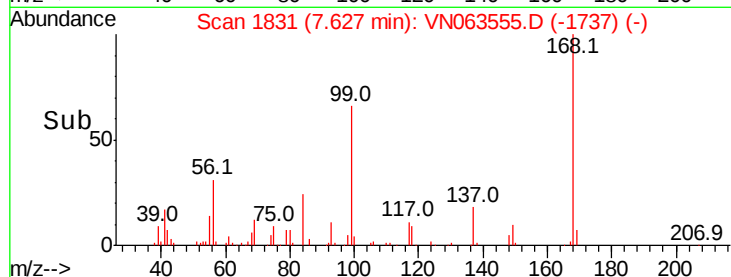
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.189 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063555.D

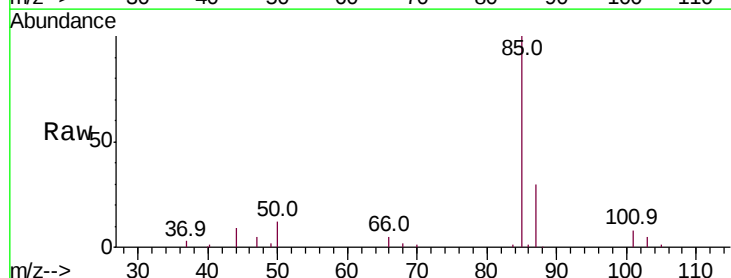
Acq: 23 Sep 2020 1:16

Tgt Ion: 85 Resp: 54317

Ion Ratio Lower Upper

85 100

87 30.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

30000

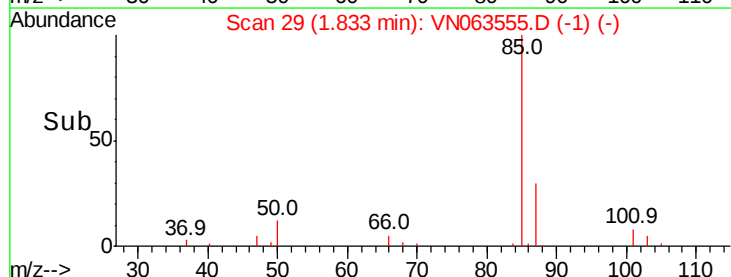
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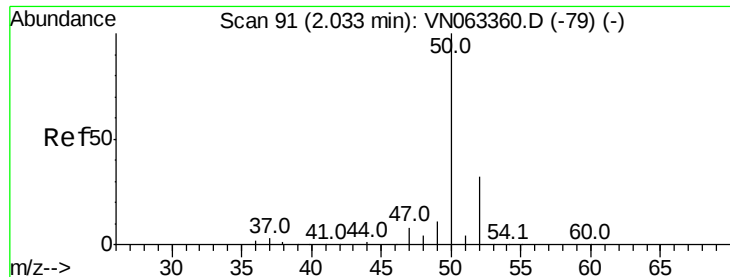
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.682 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampled :

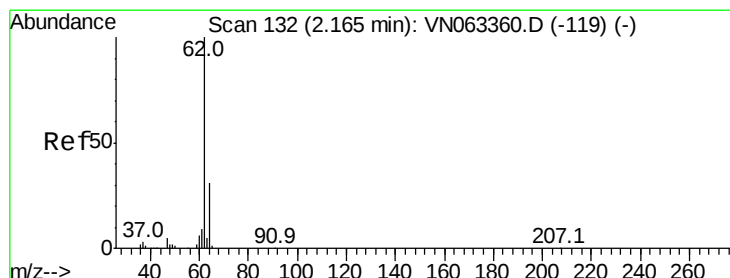
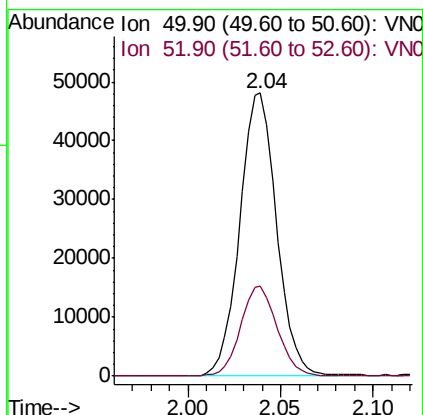
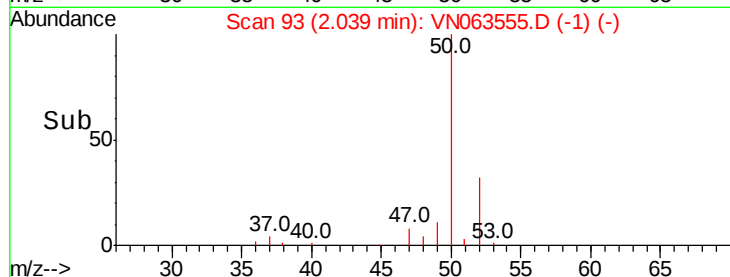
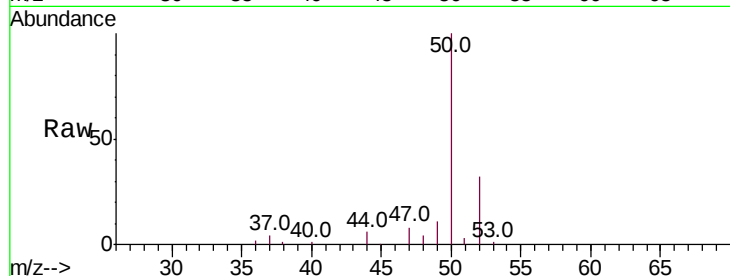
VN0922WBS02

Tot Ion: 50 Resp: 66492

Ion Ratio Lower Upper

50 100

52 31.6 25.9 38.9



#4

Vinyl Chloride

Concen: 21.379 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063555.D

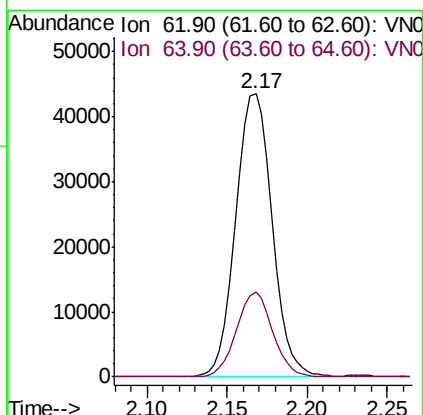
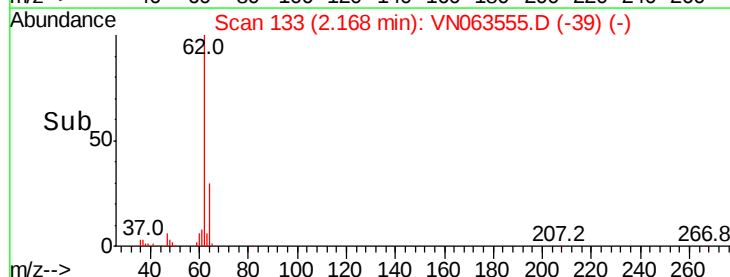
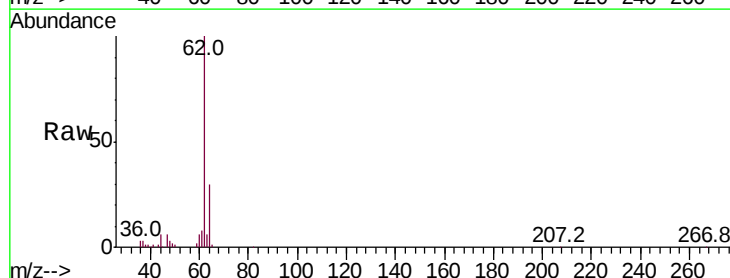
Acq: 23 Sep 2020 1:16

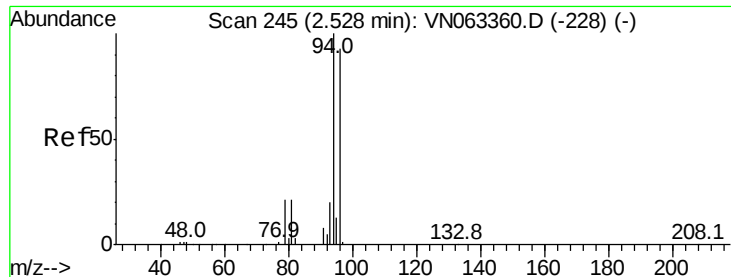
Tgt Ion: 62 Resp: 67416

Ion Ratio Lower Upper

62 100

64 29.8 25.1 37.7





#5

Bromomethane

Concen: 23.349 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

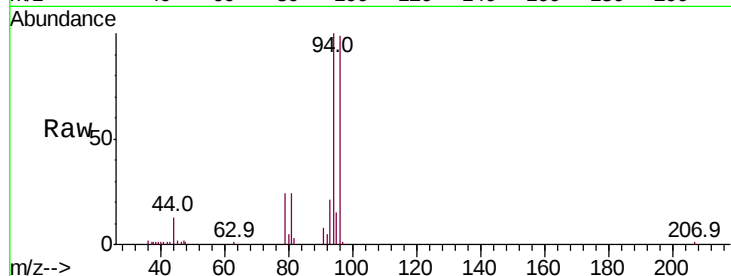
VN0922WBS02

Tot Ion: 94 Resp: 43715

Ion Ratio Lower Upper

94 100

96 98.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

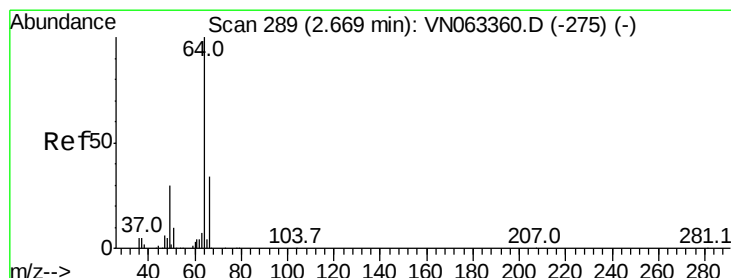
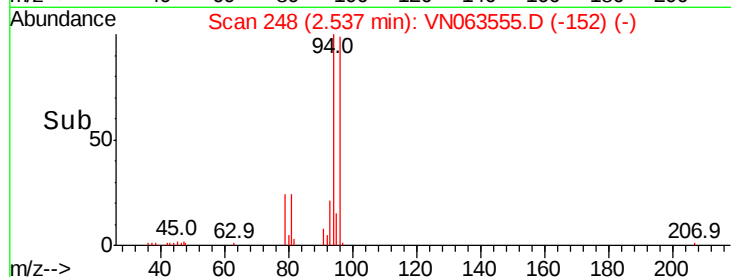
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5000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.381 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063555.D

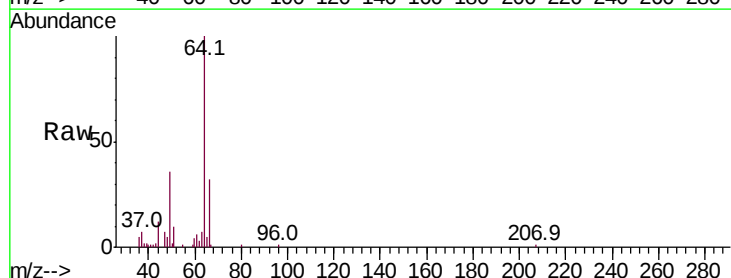
Acq: 23 Sep 2020 1:16

Tgt Ion: 64 Resp: 39450

Ion Ratio Lower Upper

64 100

66 32.4 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

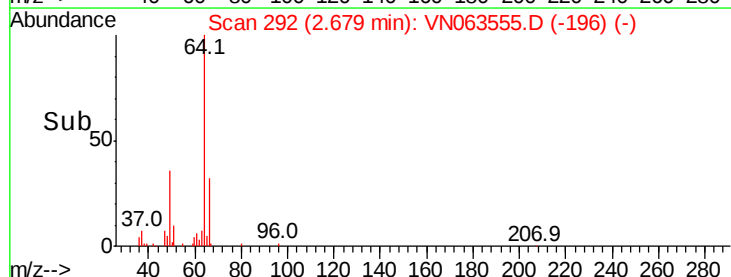
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5000

0

2.60 2.65 2.70 2.75

Time-->





#7

Trichlorofluoromethane

Concen: 21.907 ug/l

RT: 2.99 min Scan# 388

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

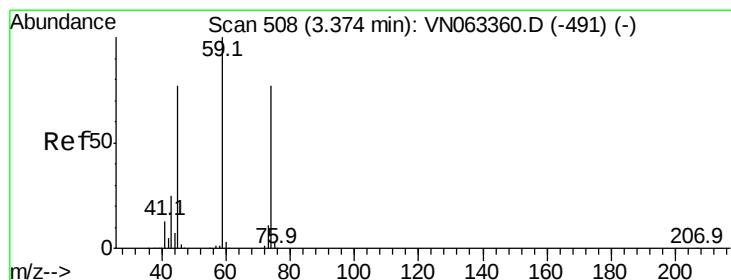
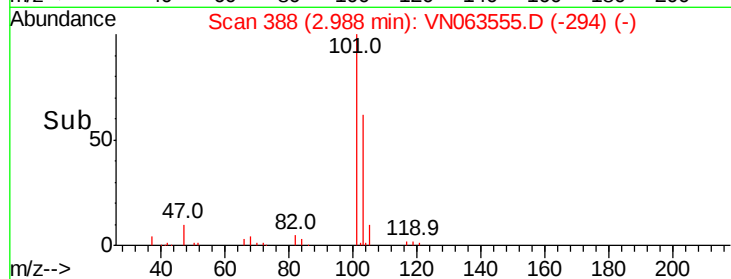
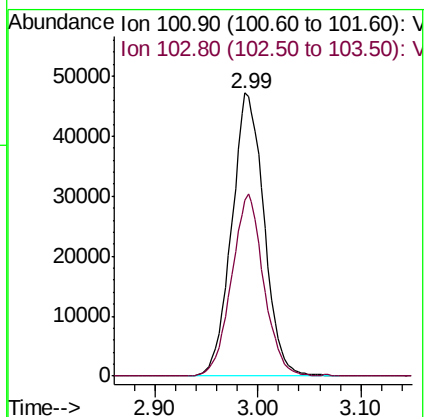
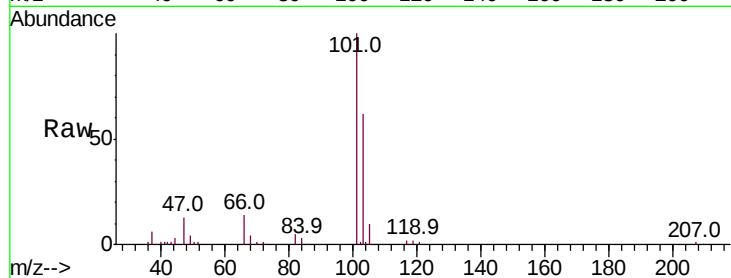
VN0922WBS02

Tot Ion:101 Resp: 103066

Ion Ratio Lower Upper

101 100

103 62.2 52.3 78.5



#8

Diethyl Ether

Concen: 20.314 ug/l

RT: 3.38 min Scan# 510

Delta R.T. 0.01 min

Lab File: VN063555.D

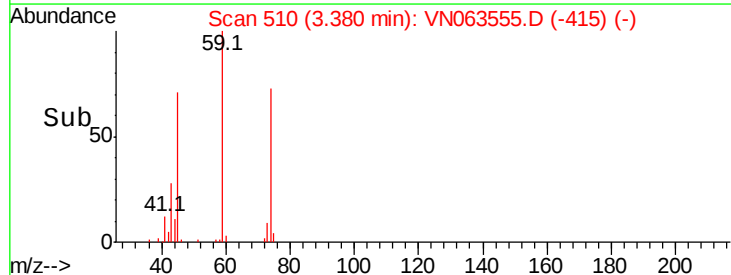
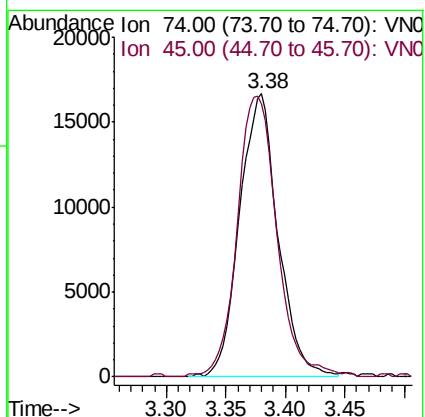
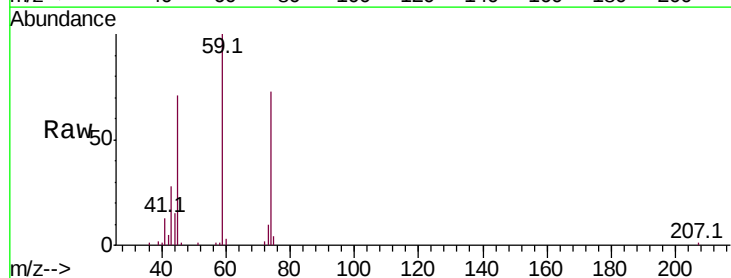
Acq: 23 Sep 2020 1:16

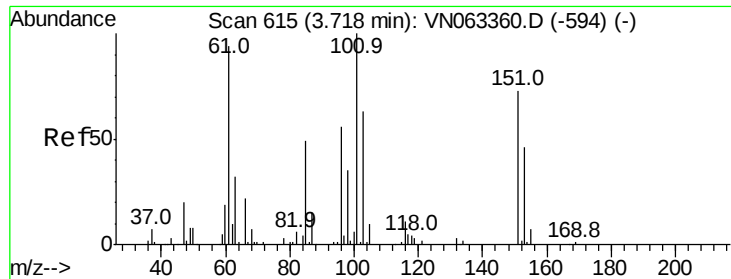
Tgt Ion: 74 Resp: 37257

Ion Ratio Lower Upper

74 100

45 102.8 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.235 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

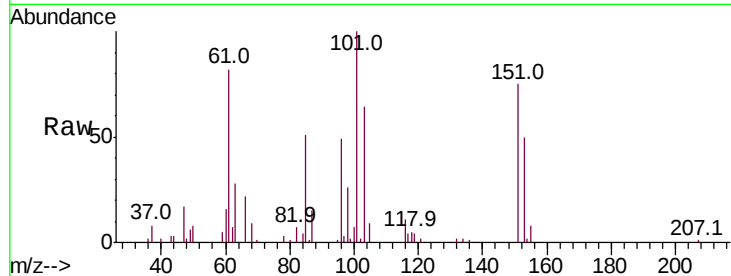
Tot Ion:101 Resp: 53539

Ion Ratio Lower Upper

101 100

85 50.5 37.7 56.5

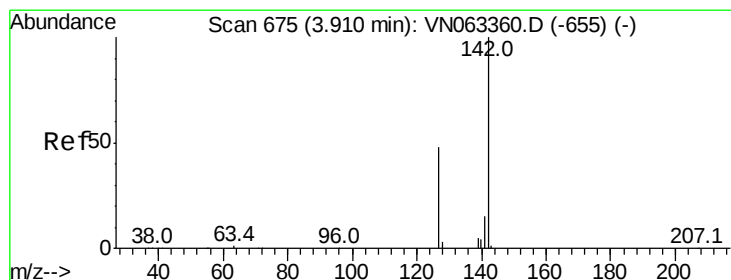
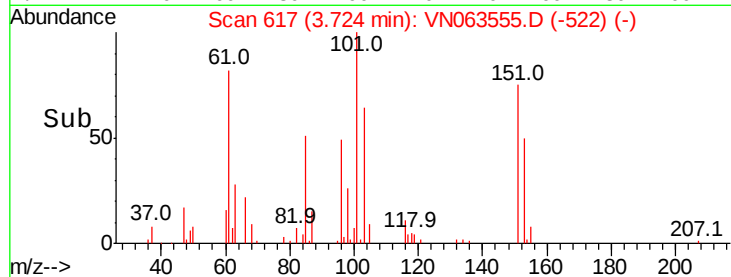
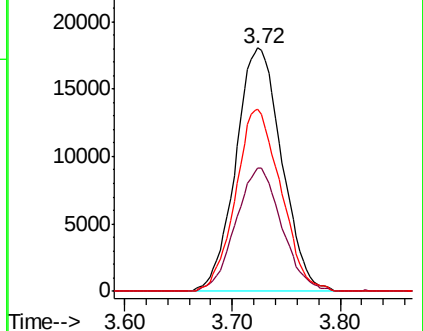
151 73.4 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.882 ug/l

RT: 3.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

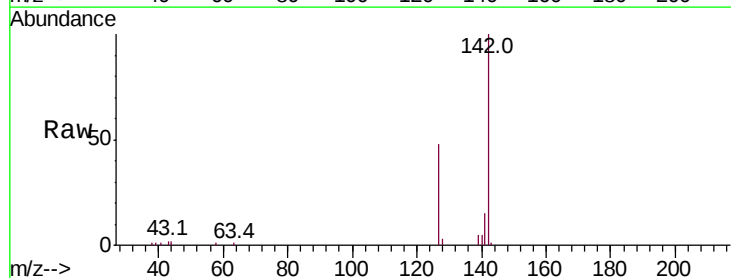
Tgt Ion:142 Resp: 65045

Ion Ratio Lower Upper

142 100

127 49.9 39.0 58.6

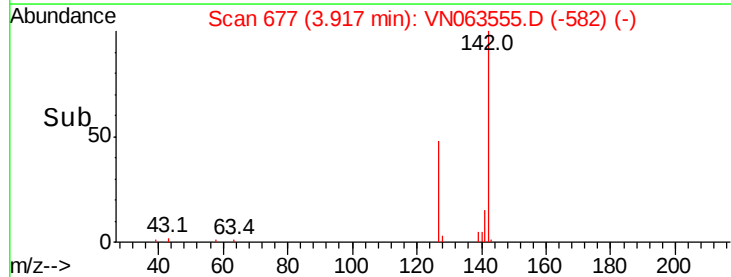
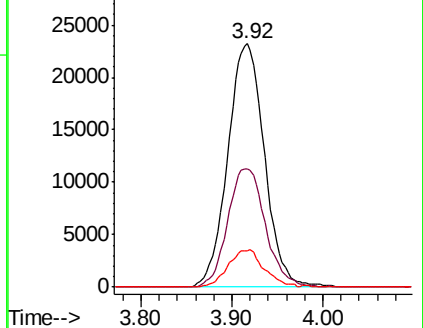
141 15.0 11.6 17.4

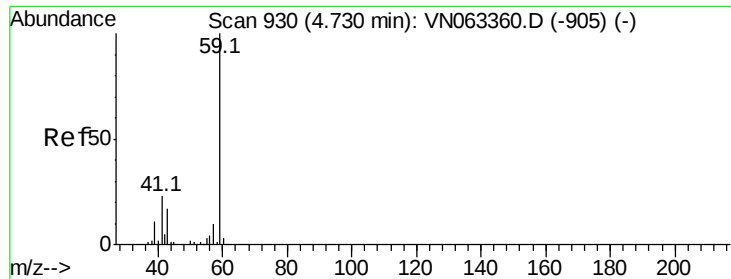


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.867 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

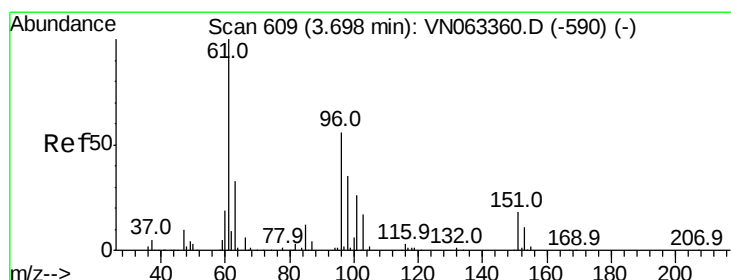
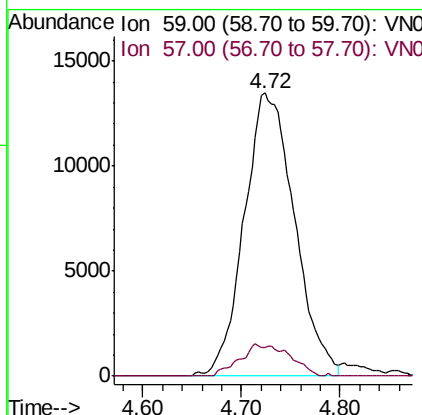
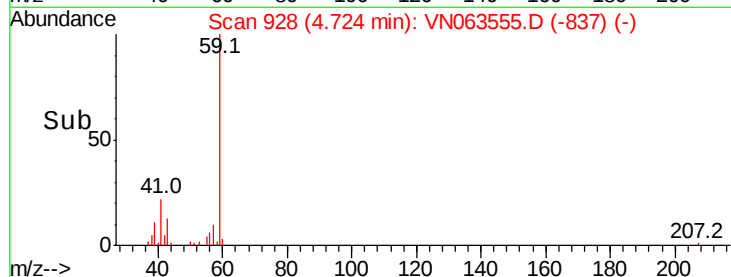
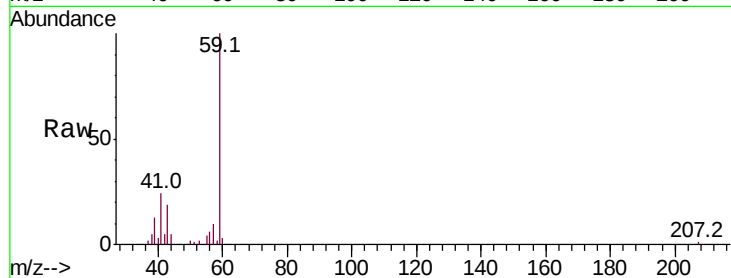
Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0922WBS02

Tot Ion: 59 Resp: 47528

Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.4	12.6#



#12

1,1-Dichloroethene

Concen: 19.722 ug/l

RT: 3.70 min Scan# 610

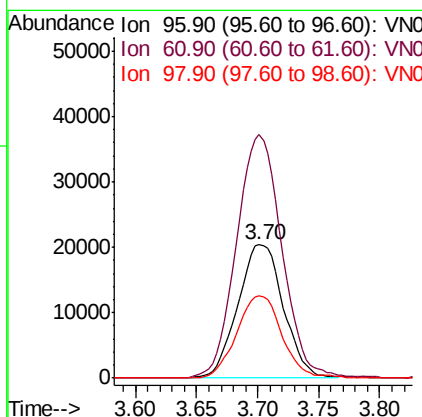
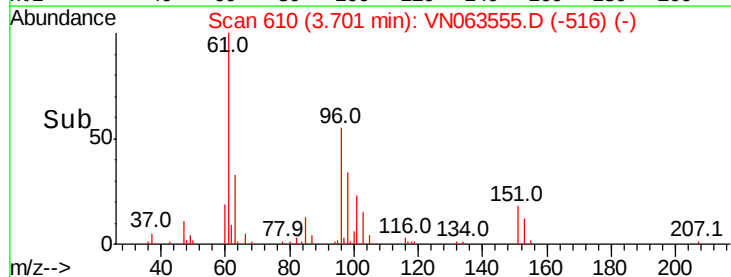
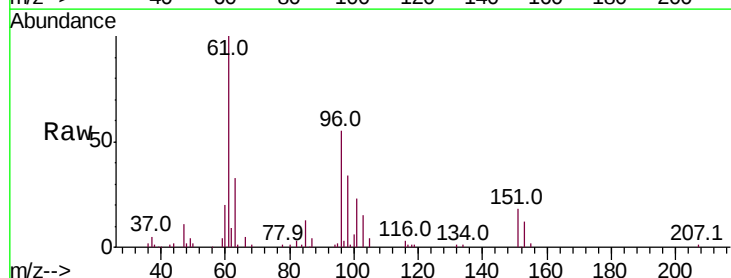
Delta R.T. 0.00 min

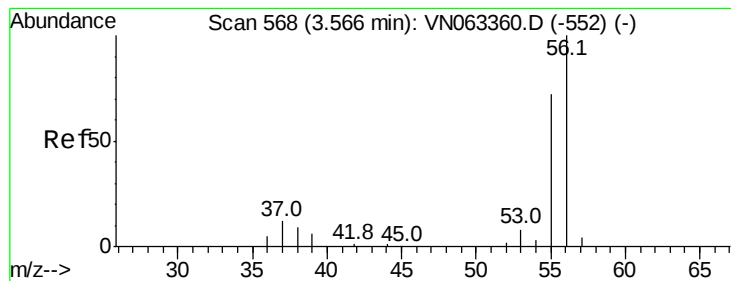
Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion: 96 Resp: 52852

Ion	Ratio	Lower	Upper
96	100		
61	182.7	143.4	215.2
98	62.0	50.6	76.0





#13

Acrolein

Concen: 95.567 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

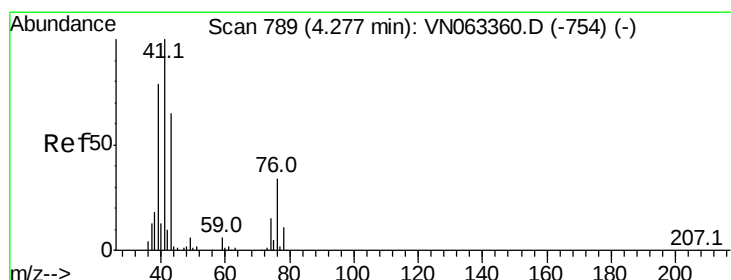
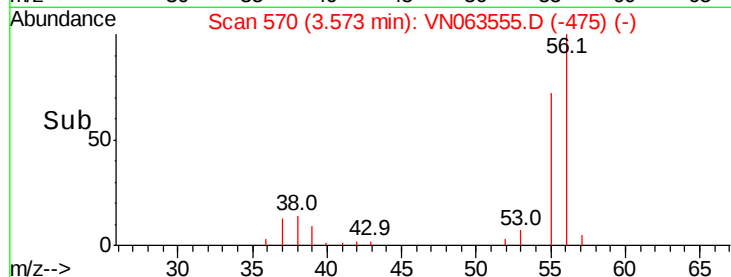
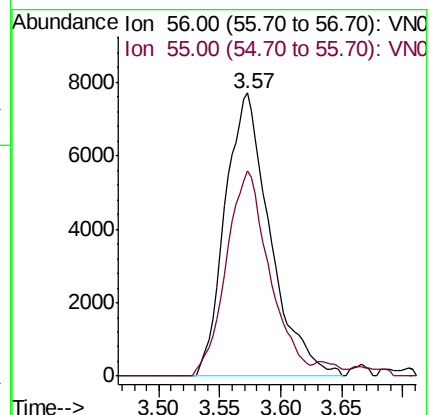
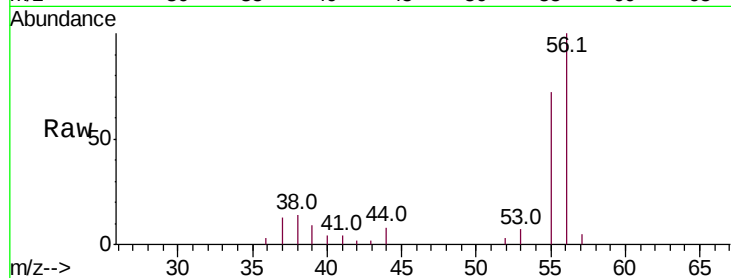
VN0922WBS02

Tot Ion: 56 Resp: 19834

Ion Ratio Lower Upper

56 100

55 69.6 58.2 87.2



#14

Allyl chloride

Concen: 17.001 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

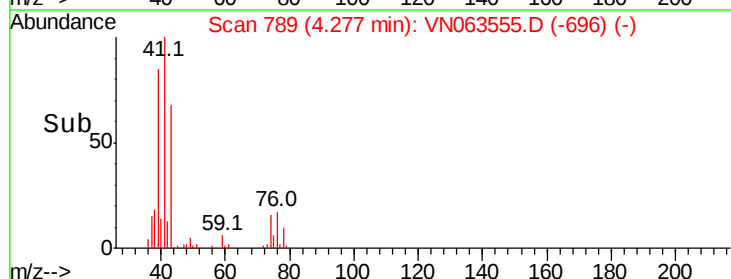
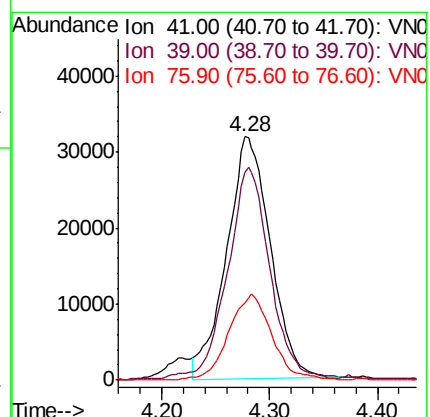
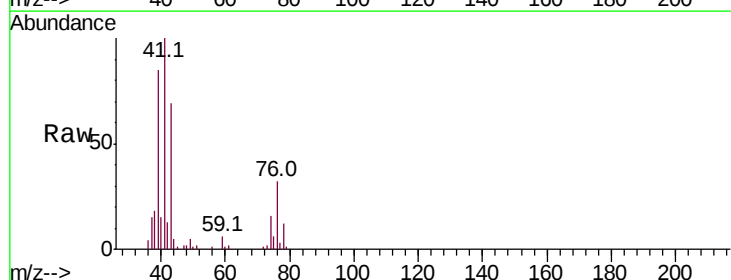
Tgt Ion: 41 Resp: 90124

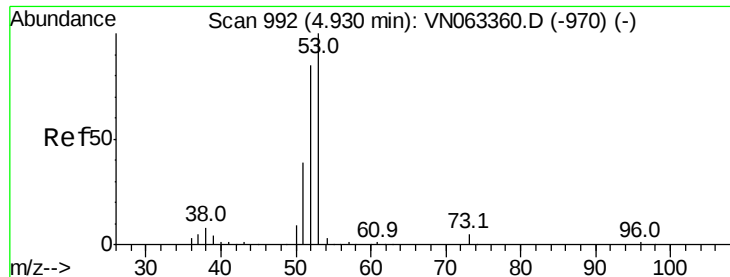
Ion Ratio Lower Upper

41 100

39 84.1 59.3 88.9

76 34.8 25.3 37.9





#15

Acrylonitrile

Concen: 98.550 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampled :

VN0922WBS02

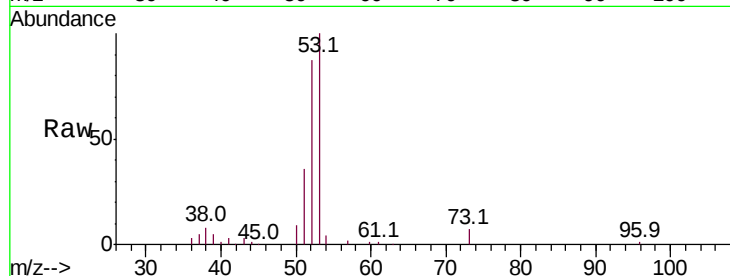
Tot Ion: 53 Resp: 140388

Ion Ratio Lower Upper

53 100

52 85.5 66.4 99.6

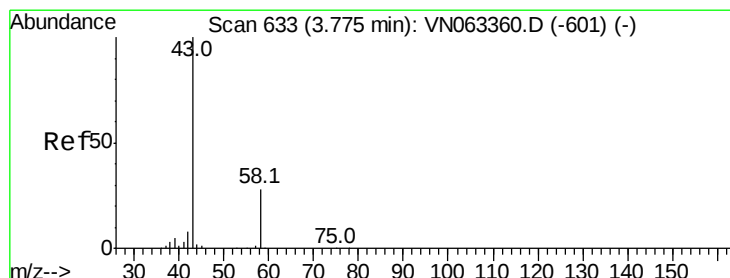
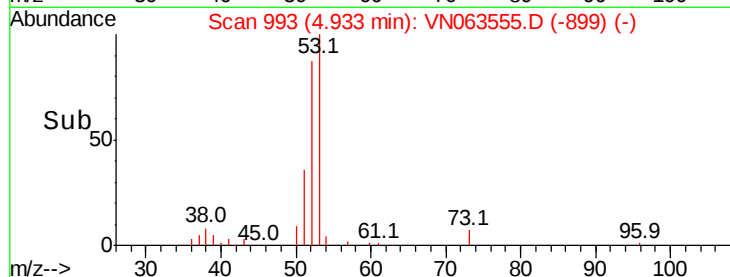
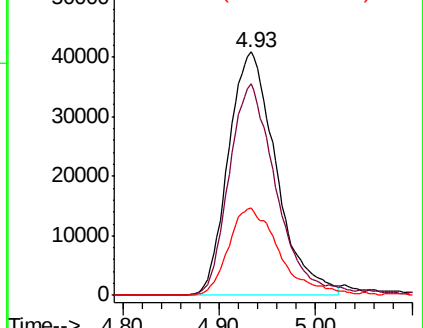
51 38.1 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN063360.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN063360.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN063360.D (-970) (-)



#16

Acetone

Concen: 101.502 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063555.D

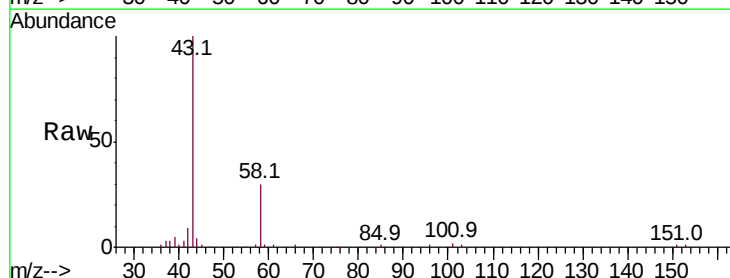
Acq: 23 Sep 2020 1:16

Tgt Ion: 43 Resp: 131871

Ion Ratio Lower Upper

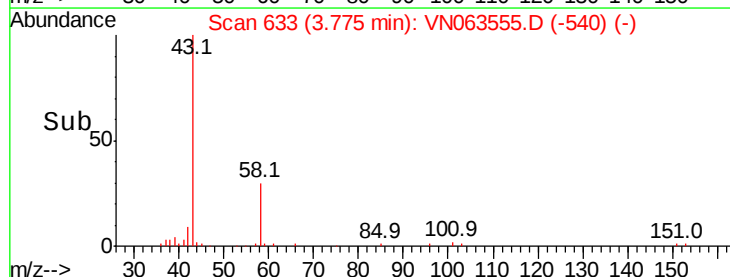
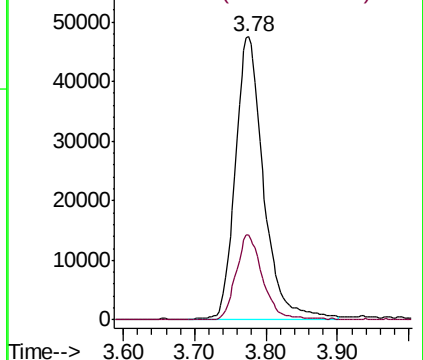
43 100

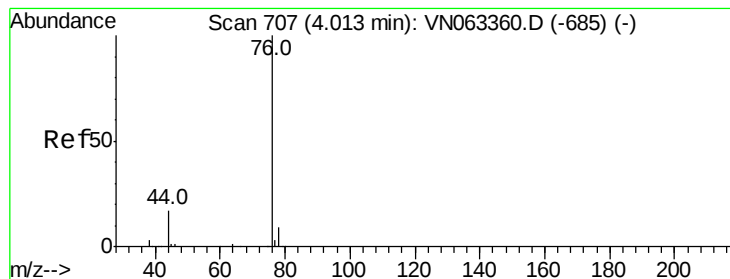
58 29.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)





#17

Carbon Disulfide

Concen: 18.095 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

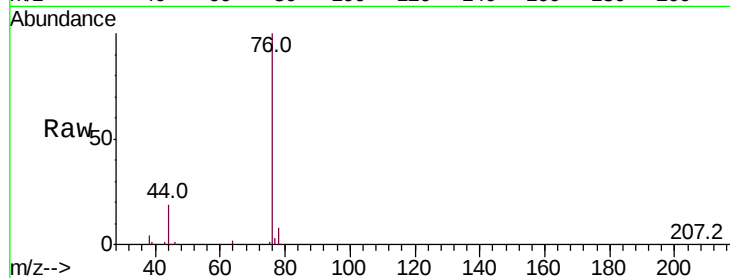
VN0922WBS02

Tot Ion: 76 Resp: 141052

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.01

60000

50000

40000

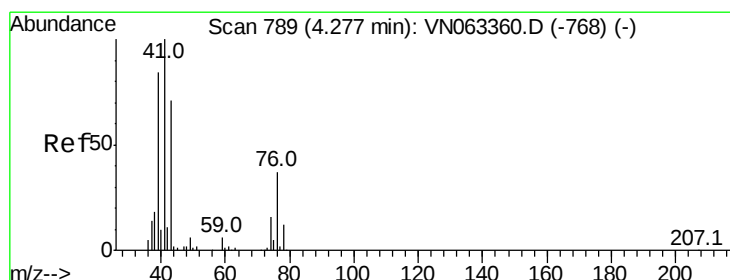
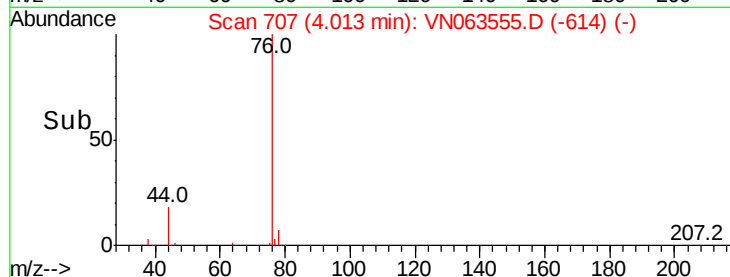
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 21.154 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063555.D

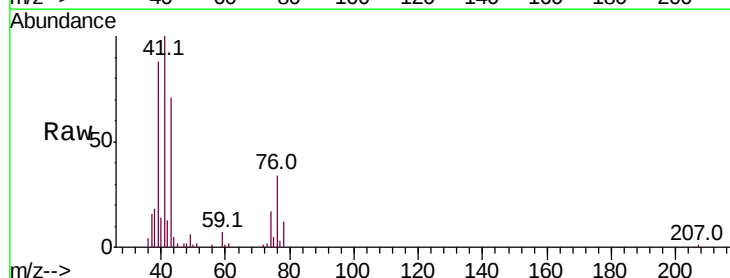
Acq: 23 Sep 2020 1:16

Tgt Ion: 43 Resp: 69769

Ion Ratio Lower Upper

43 100

74 21.5 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.28

25000

20000

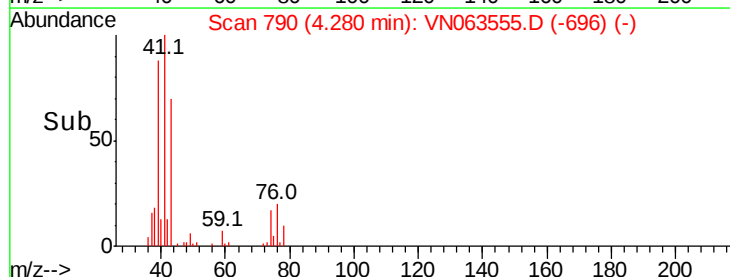
15000

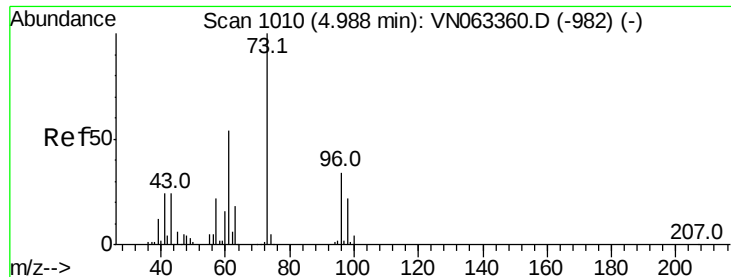
10000

5000

0

Time-->

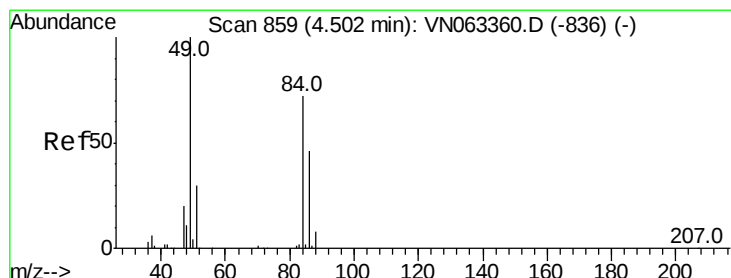
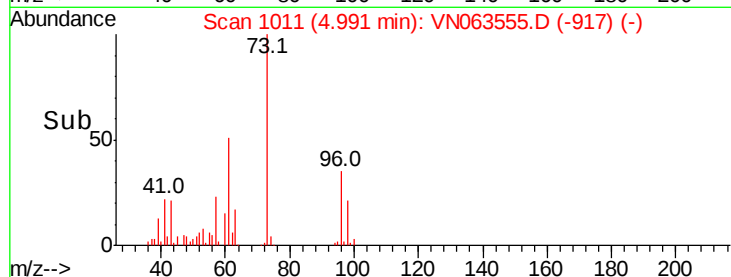
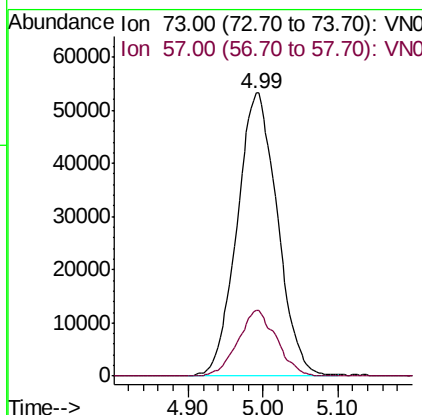
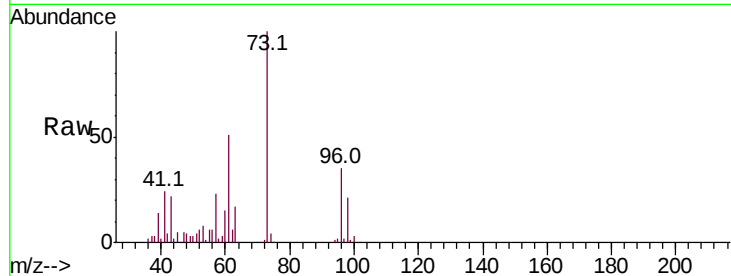




#19
Methvl tert-butvl Ether
Concen: 19.982 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

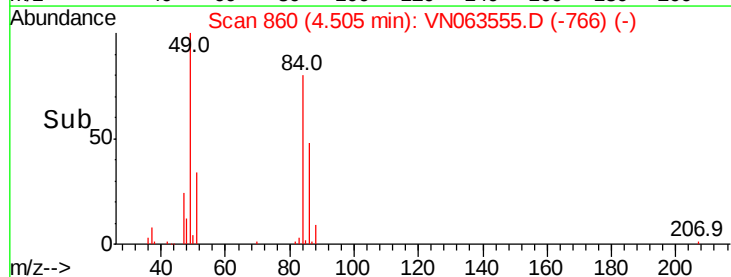
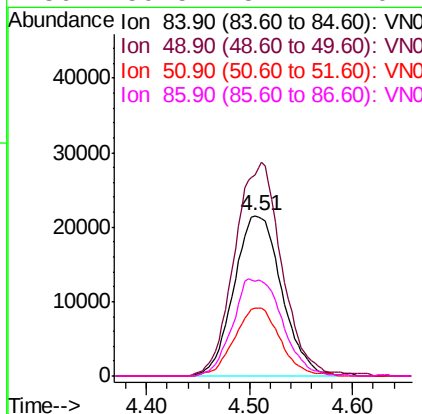
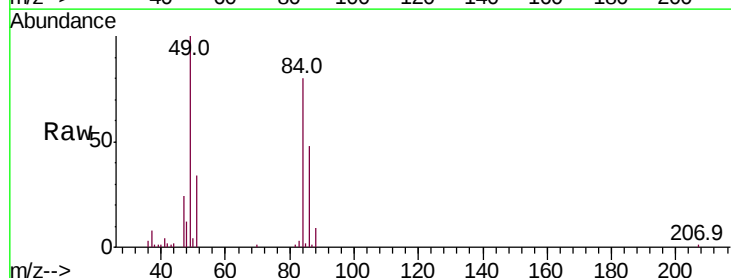
Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

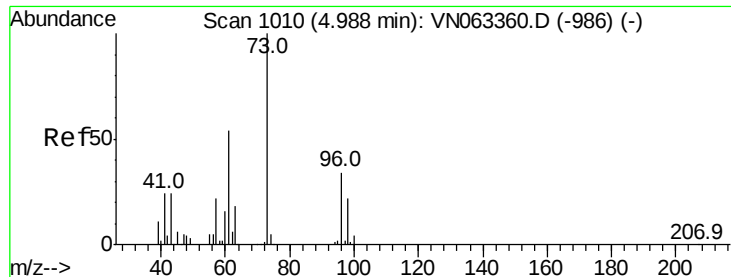
Tot Ion: 73 Resp: 199585
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9



#20
Methylene Chloride
Concen: 21.035 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 84 Resp: 69242
Ion Ratio Lower Upper
84 100
49 125.1 110.7 166.1
51 41.9 32.9 49.3
86 59.5 51.1 76.7

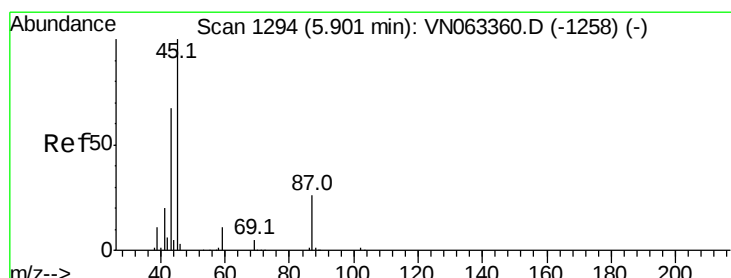
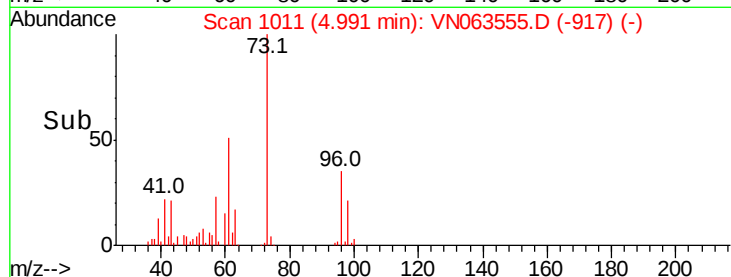
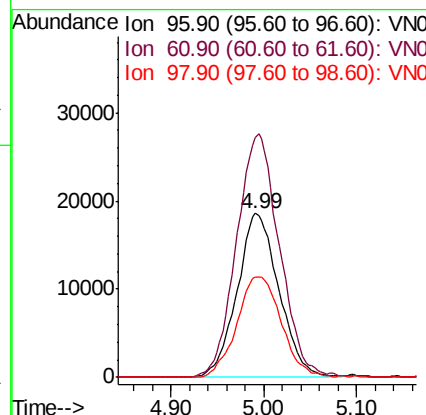
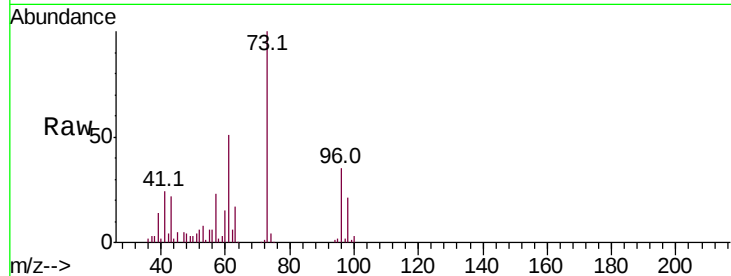




#21
trans-1,2-Dichloroethene
Concen: 19.632 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

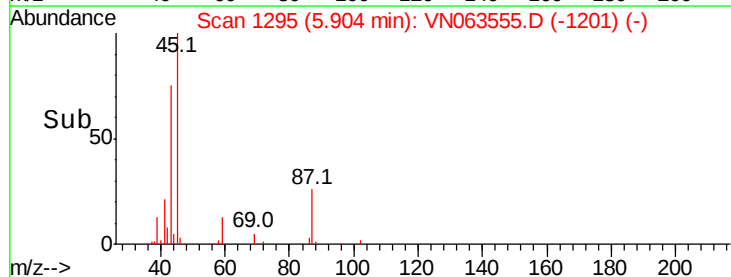
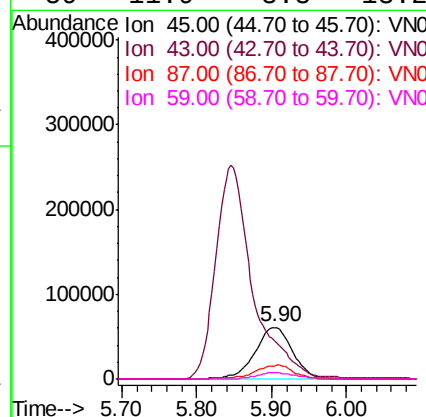
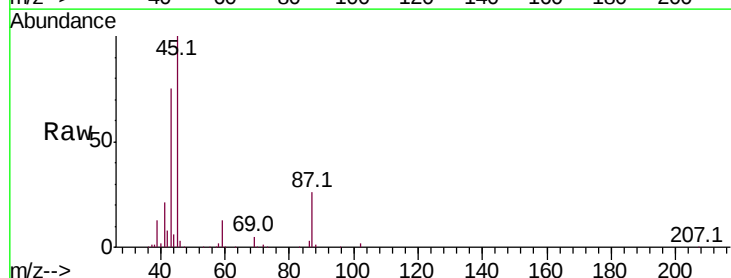
Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

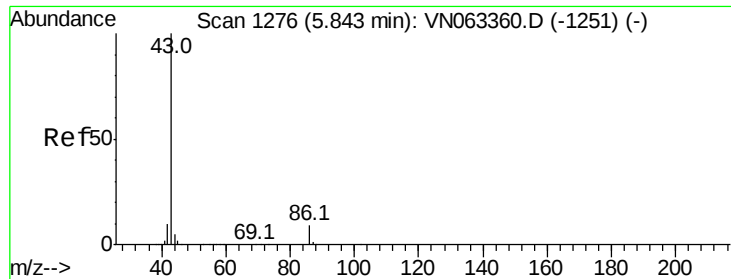
Tot Ion: 96 Resp: 58291
Ion Ratio Lower Upper
96 100
61 146.3 126.2 189.4
98 61.1 51.0 76.4



#22
Diisopropyl ether
Concen: 19.695 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 45 Resp: 212926
Ion Ratio Lower Upper
45 100
43 71.9 53.5 80.3
87 25.7 21.2 31.8
59 11.9 8.8 13.2

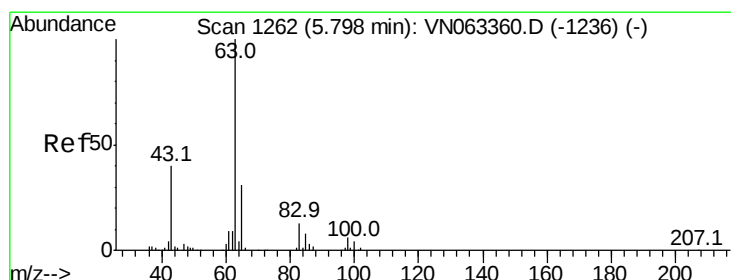
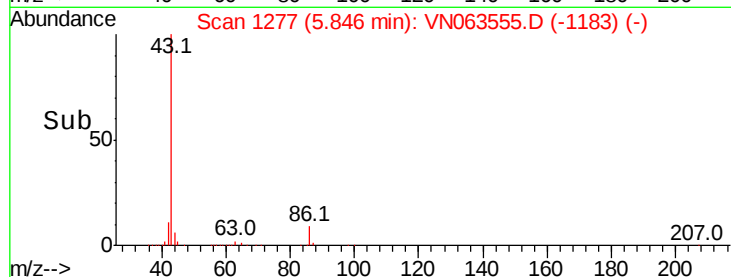
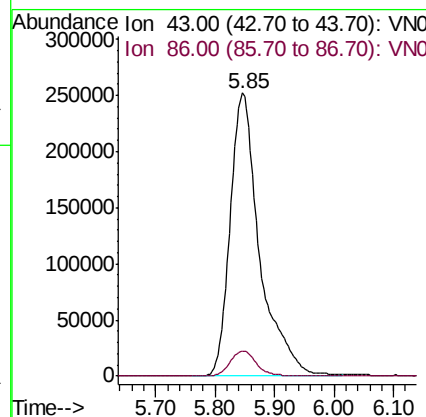
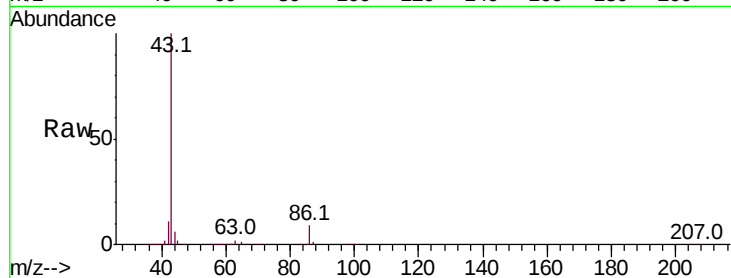




#23
 Vinyl Acetate
 Concen: 98.191 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

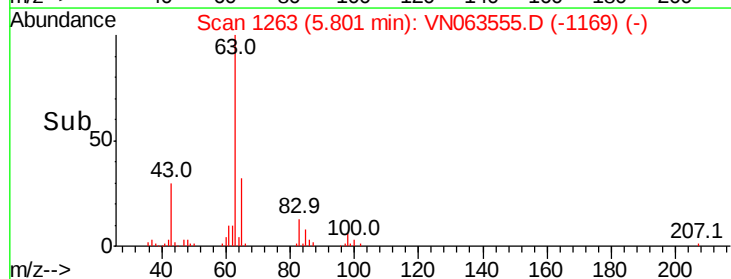
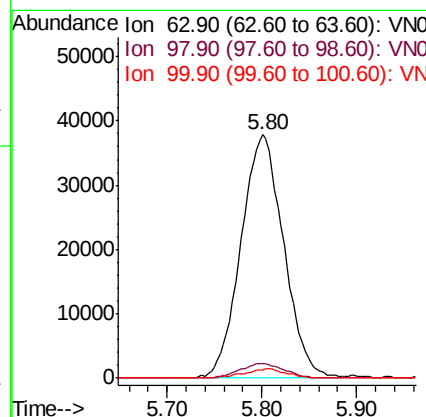
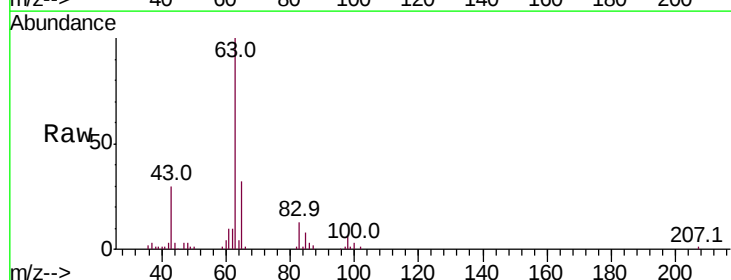
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

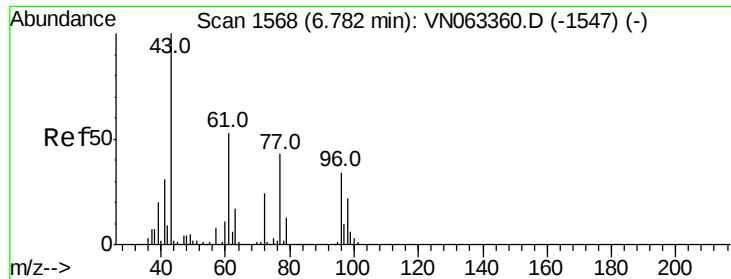
Tot Ion: 43 Resp: 871823
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 20.051 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion: 63 Resp: 118352
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.8
 100 3.5 2.1 6.3

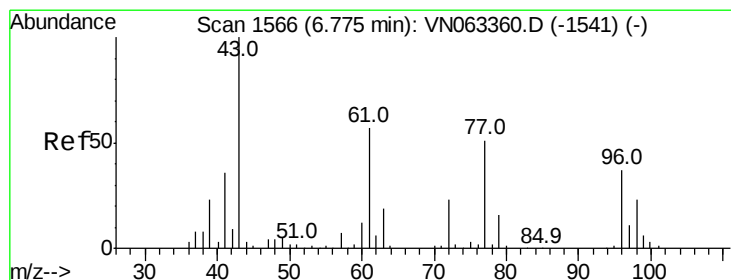
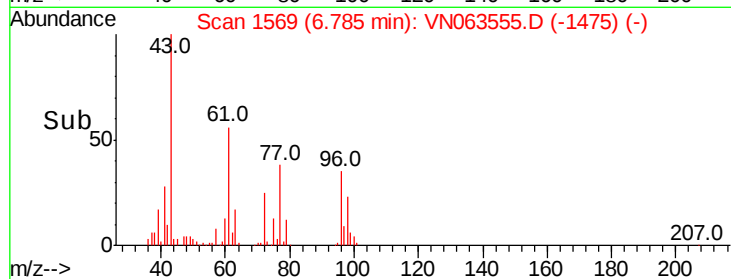
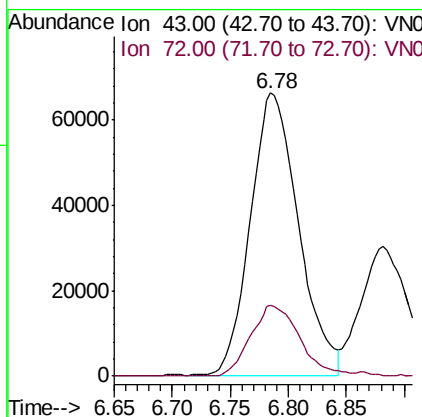
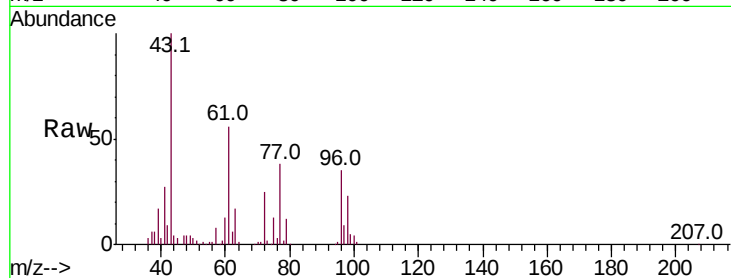




#25
 2-Butanone
 Concen: 95.433 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

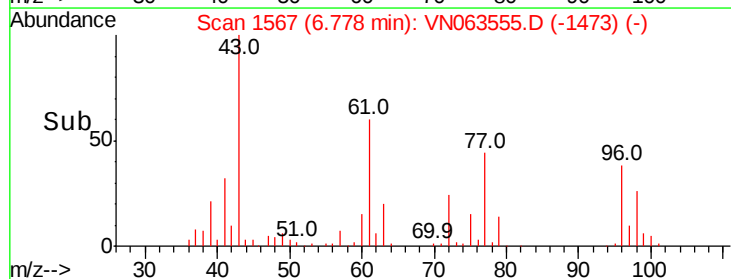
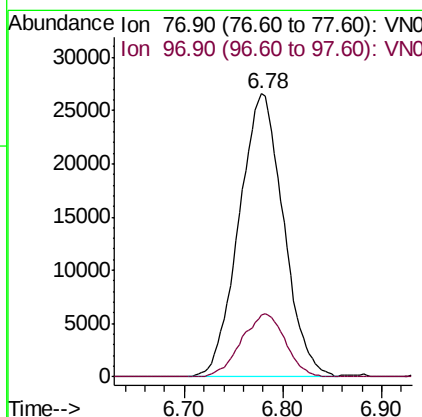
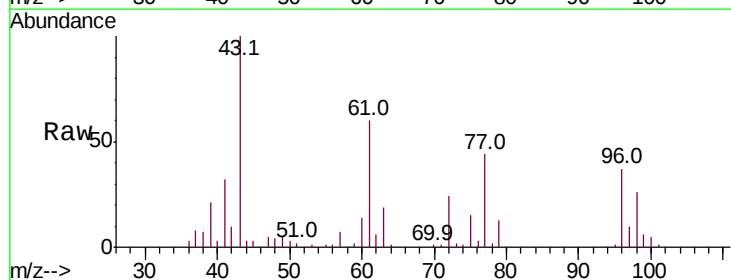
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

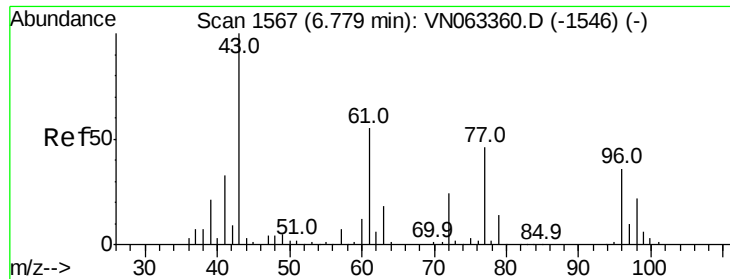
Tot Ion: 43 Resp: 190689
 Ion Ratio Lower Upper
 43 100
 72 25.3 19.2 28.8



#26
 2,2-Dichloropropane
 Concen: 15.957 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion: 77 Resp: 82924
 Ion Ratio Lower Upper
 77 100
 97 21.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.384 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampled :

VN0922WBS02

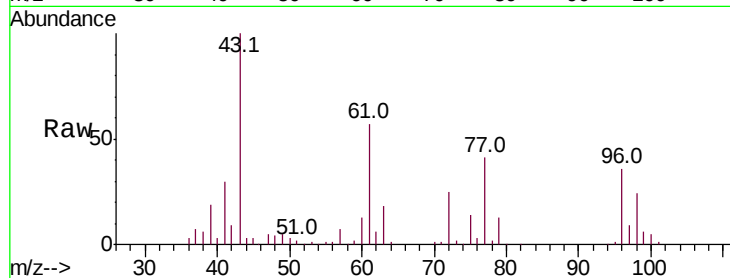
Tot Ion: 96 Resp: 68503

Ion Ratio Lower Upper

96 100

61 161.5 0.0 319.6

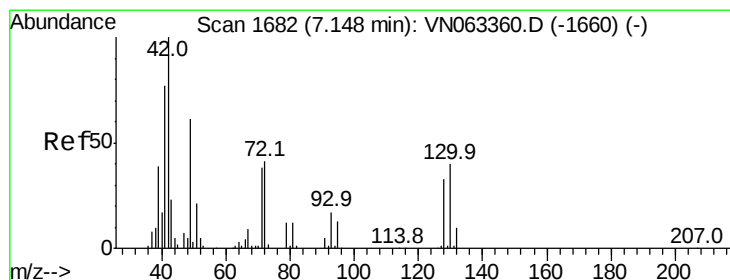
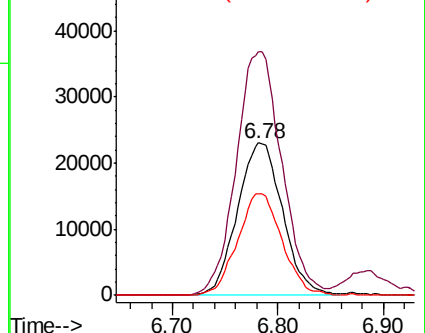
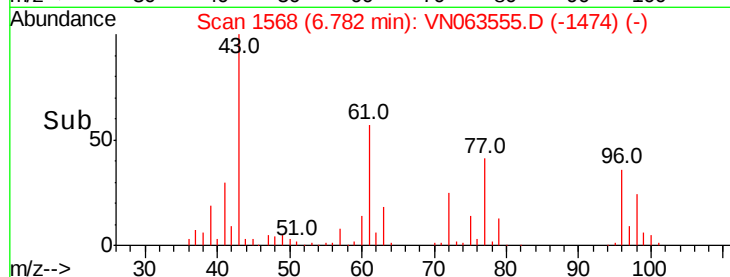
98 65.5 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.481 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

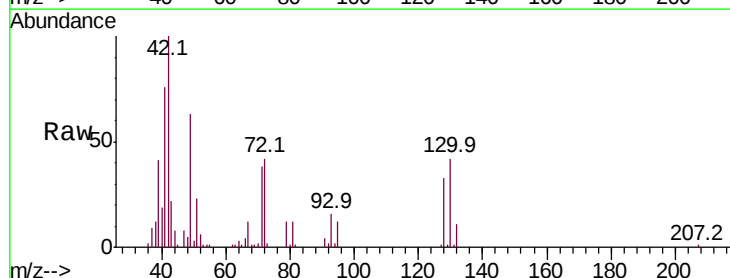
Tgt Ion: 49 Resp: 55817

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.8

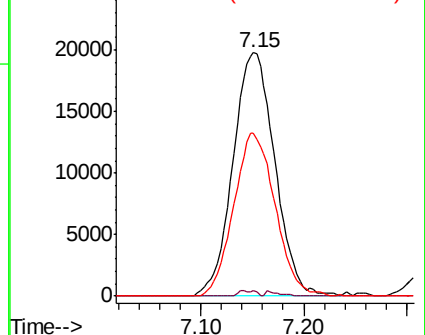
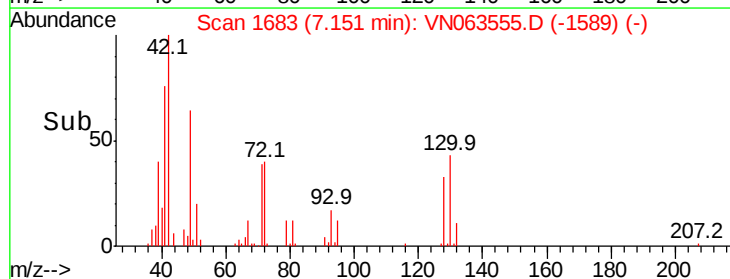
130 66.3 52.2 78.2

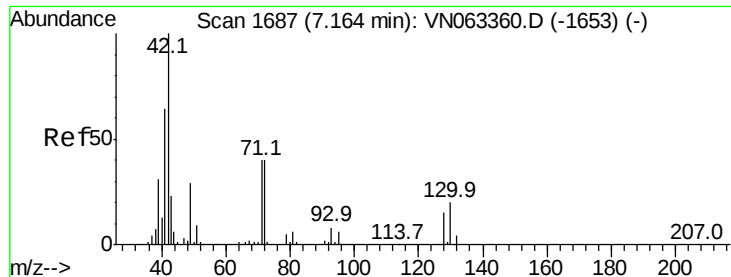


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.410 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

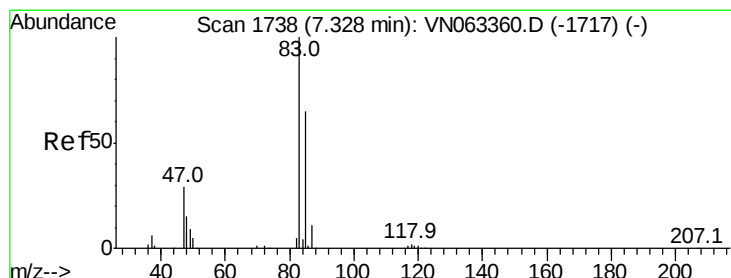
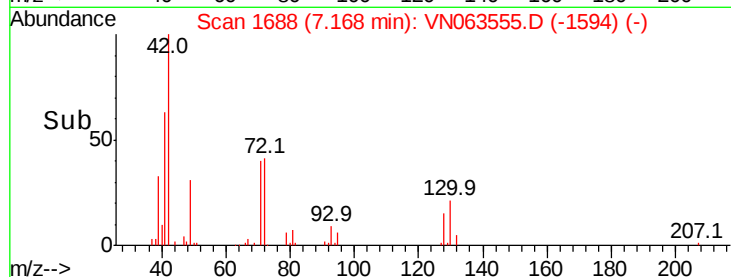
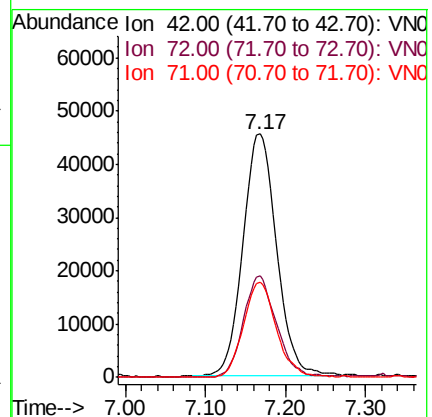
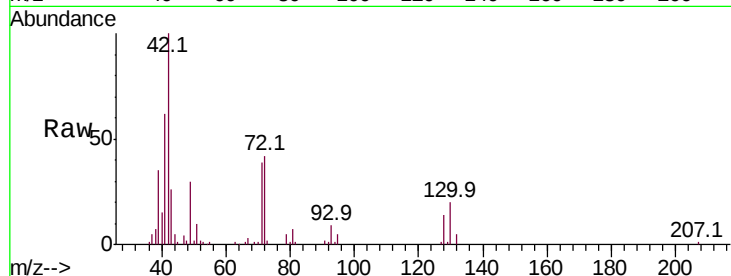
Tot Ion: 42 Resp: 130204

Ion Ratio Lower Upper

42 100

72 40.4 32.1 48.1

71 38.2 31.2 46.8



#30

Chloroform

Concen: 20.937 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN063555.D

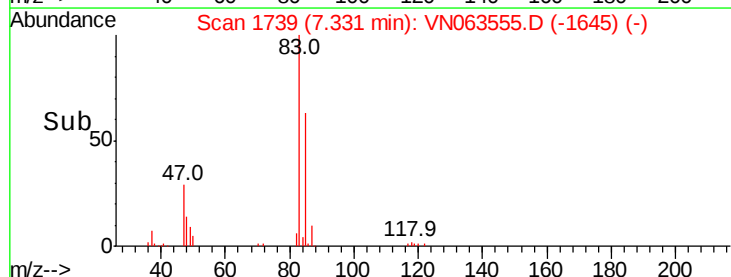
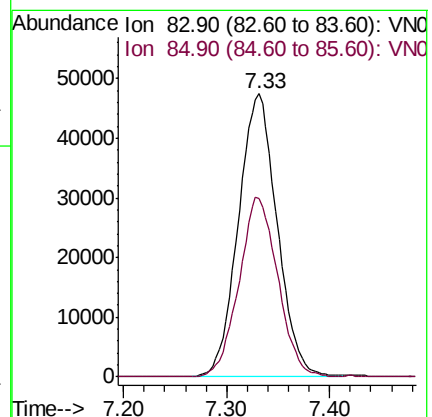
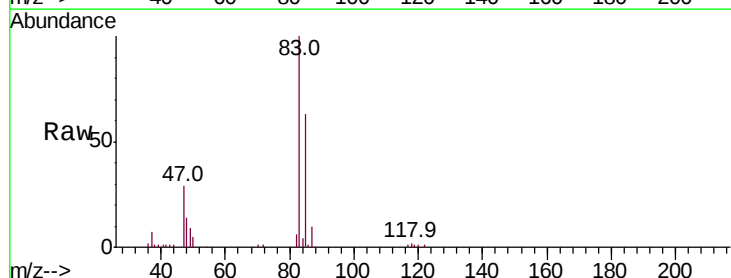
Acq: 23 Sep 2020 1:16

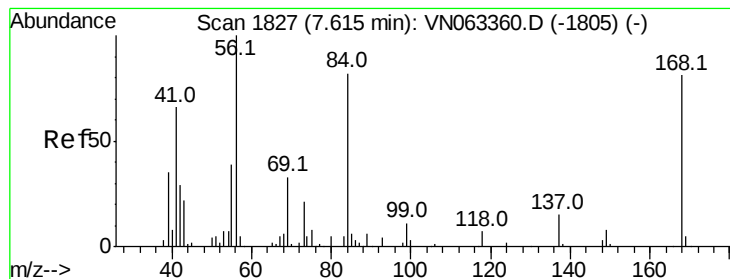
Tgt Ion: 83 Resp: 123986

Ion Ratio Lower Upper

83 100

85 62.9 52.1 78.1





#31

Cyclohexane

Concen: 17.993 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

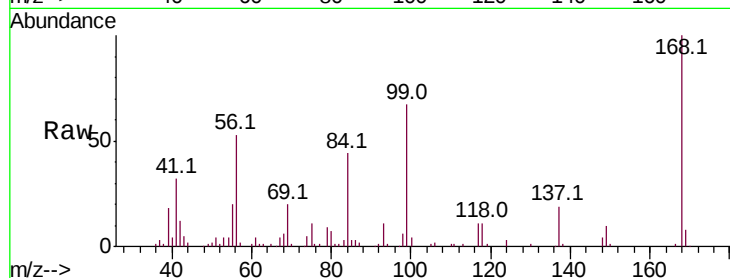
Tot Ion: 56 Resp: 100460

Ion Ratio Lower Upper

56 100

69 37.9 26.1 39.1

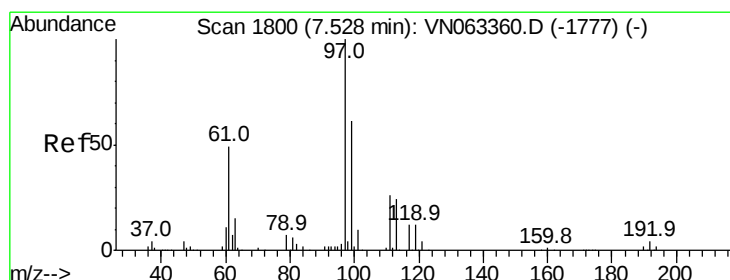
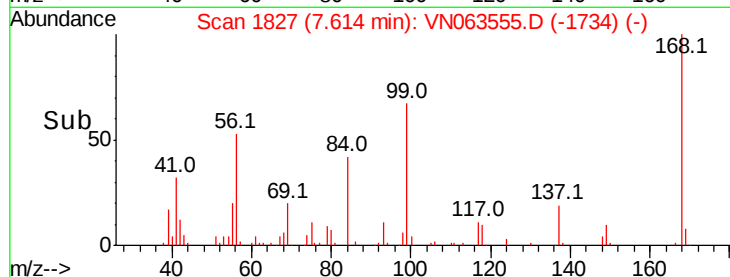
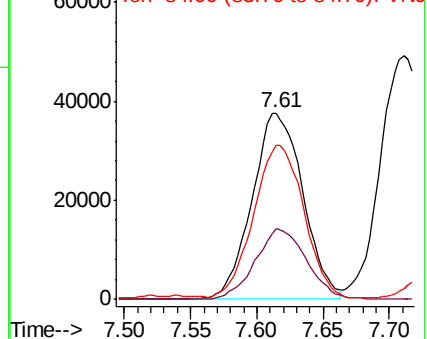
84 81.0 65.4 98.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.459 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

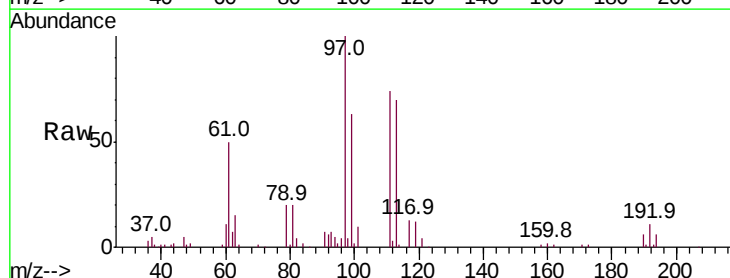
Tgt Ion: 97 Resp: 107761

Ion Ratio Lower Upper

97 100

99 63.0 50.6 76.0

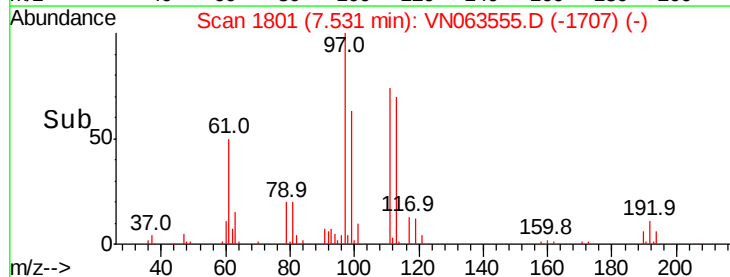
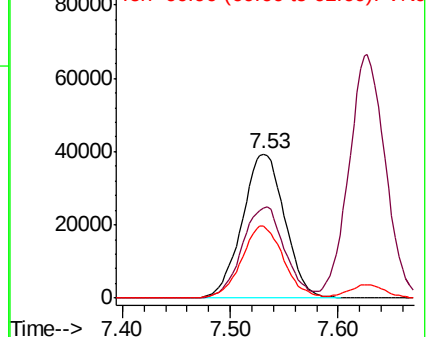
61 49.3 39.2 58.8

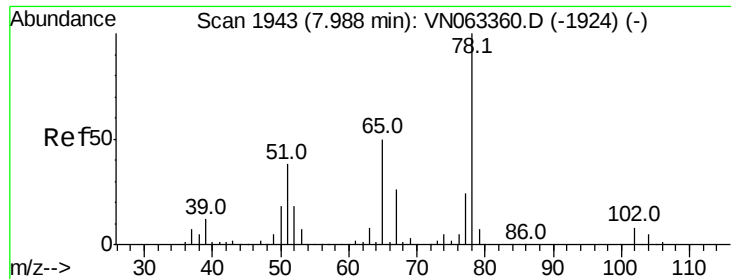


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

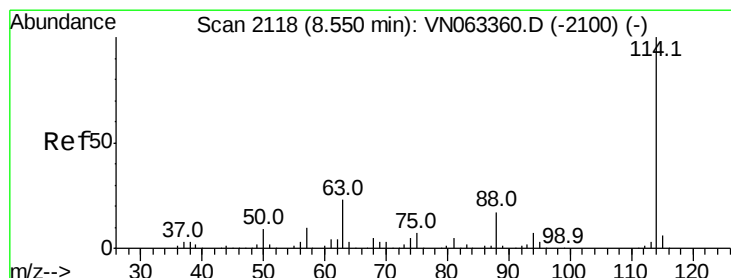
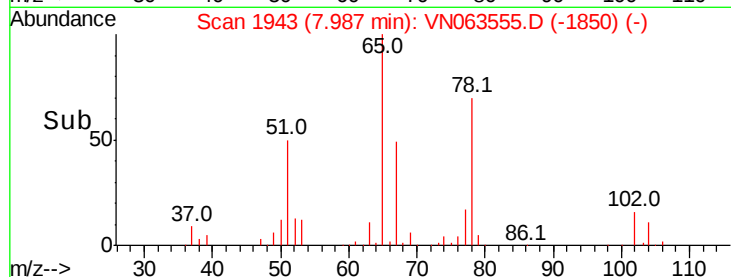
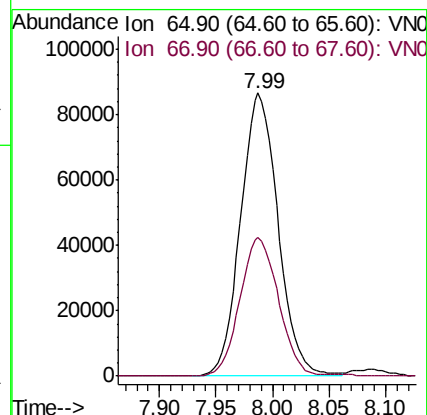
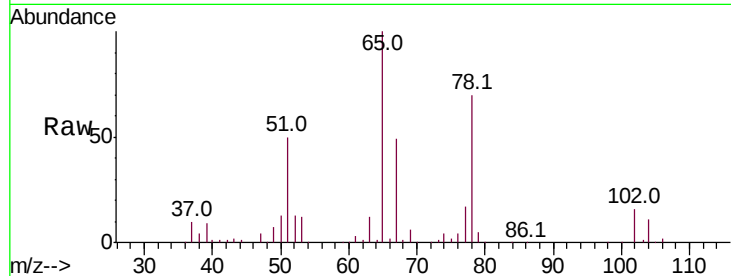




#33
 1,2-Dichloroethane-d4
 Concen: 49.438 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

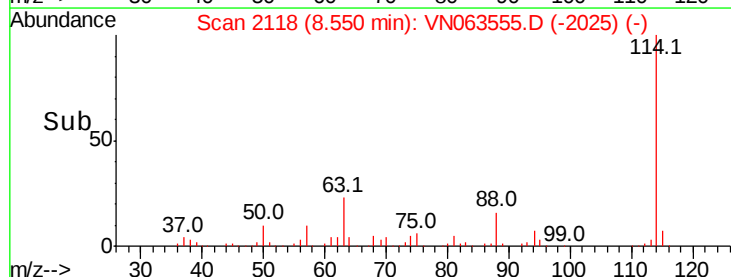
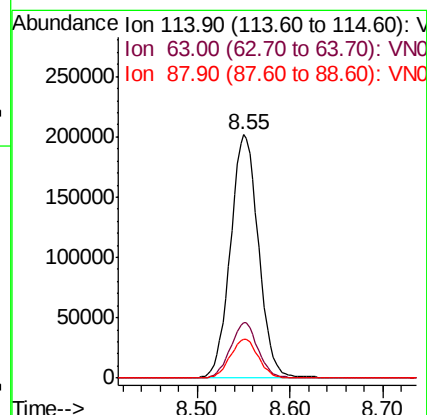
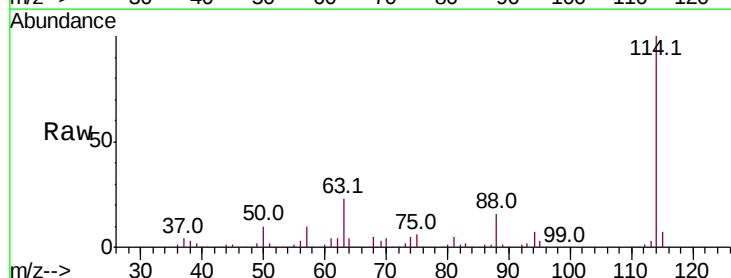
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

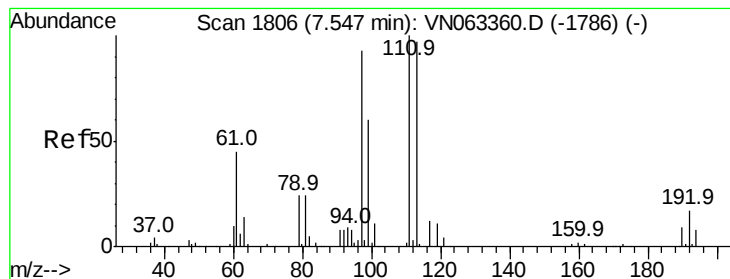
Tot Ion: 65 Resp: 199853
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion: 114 Resp: 422631
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.4
 88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.099 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

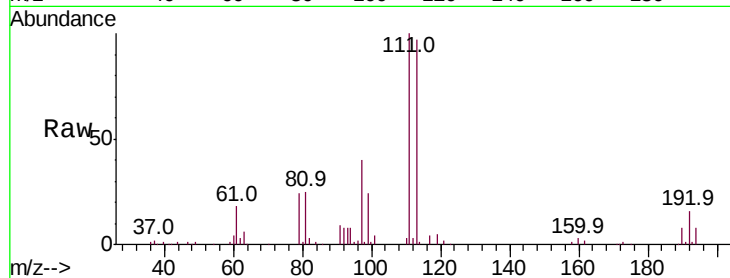
Tot Ion:113 Resp: 140728

Ion Ratio Lower Upper

113 100

111 101.2 82.9 124.3

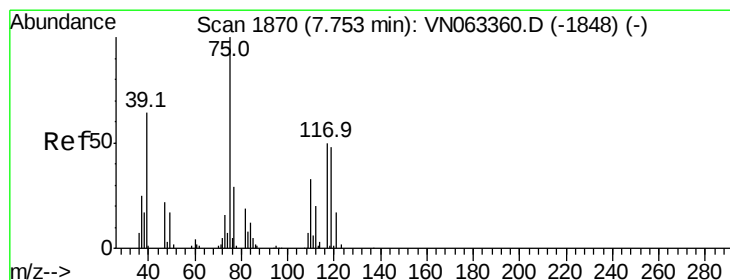
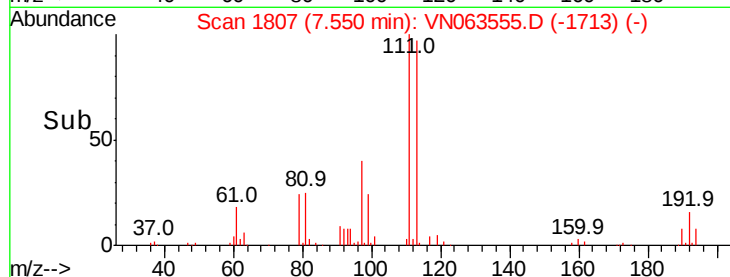
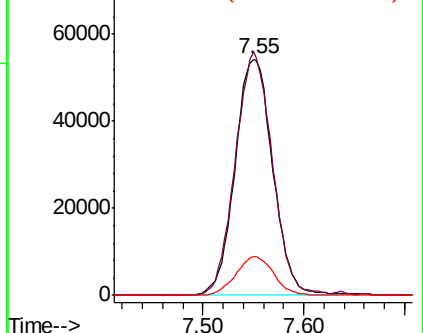
192 16.4 13.9 20.9



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: 19.231 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

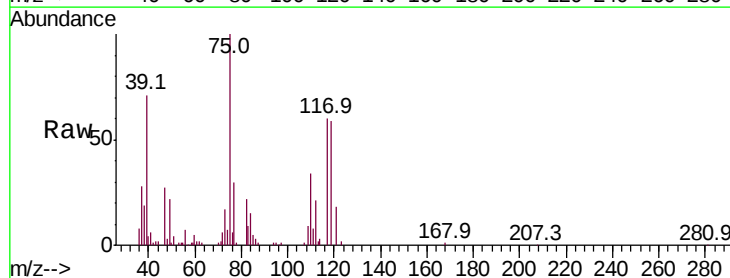
Tgt Ion: 75 Resp: 86589

Ion Ratio Lower Upper

75 100

110 33.8 16.5 49.5

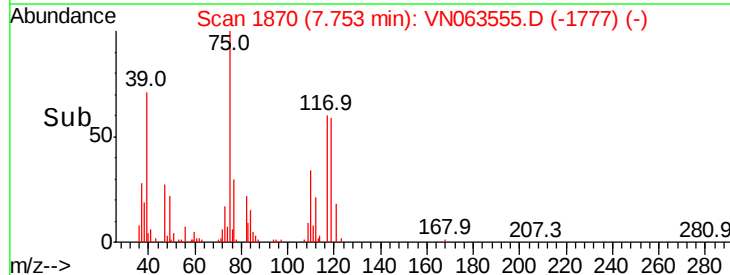
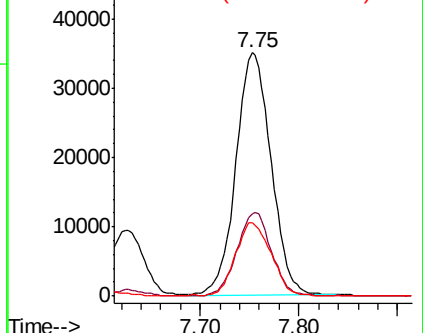
77 30.8 24.6 36.8

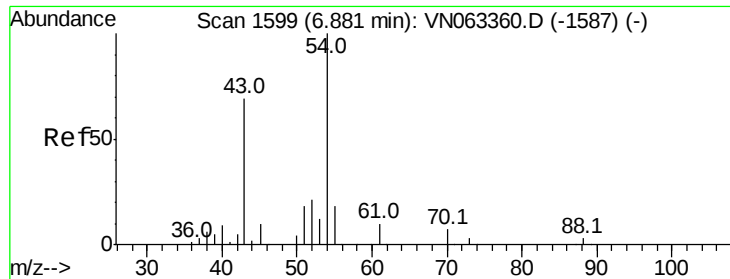


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

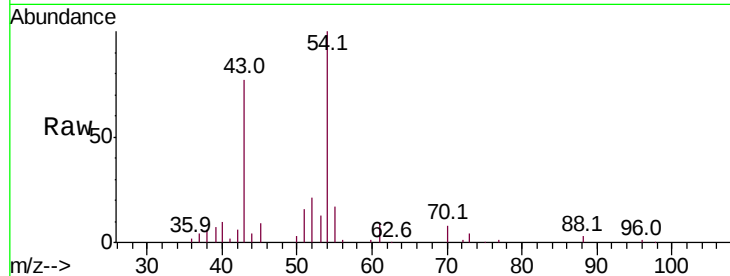




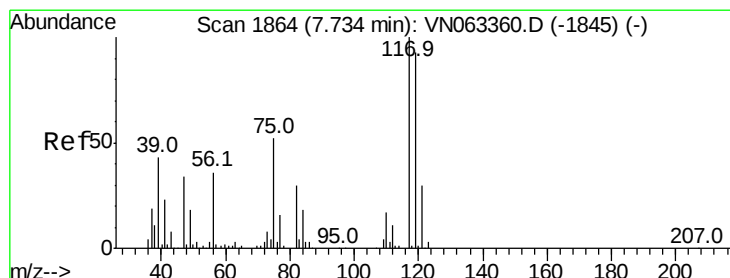
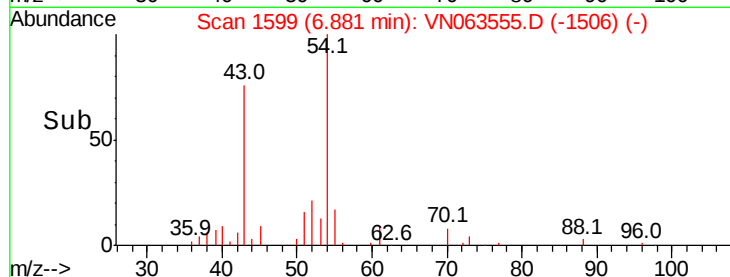
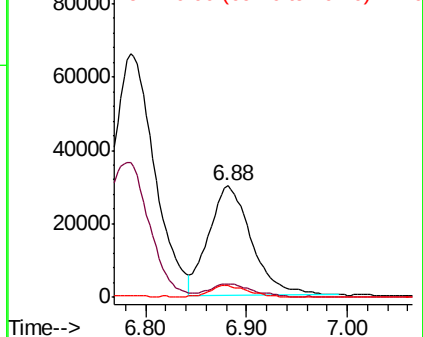
#37
Ethyl Acetate
Concen: 20.005 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion: 43 Resp: 88404
Ion Ratio Lower Upper
43 100
61 7.4 10.6 15.8#
70 9.6 7.2 10.8

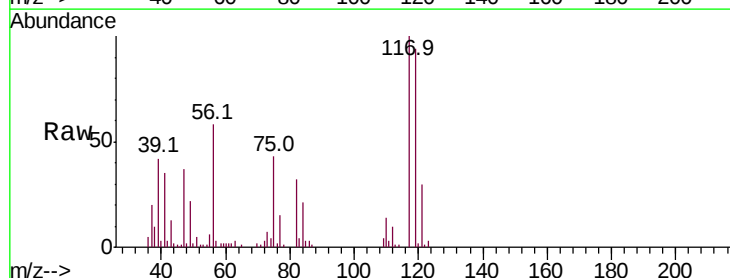


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

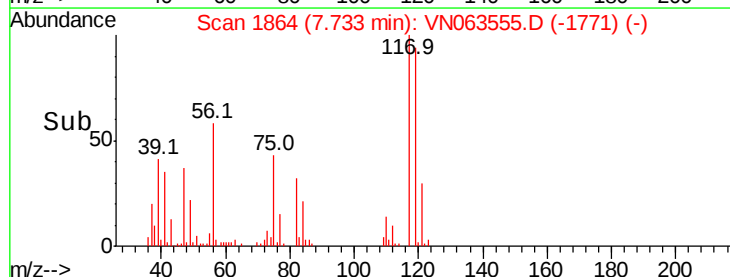
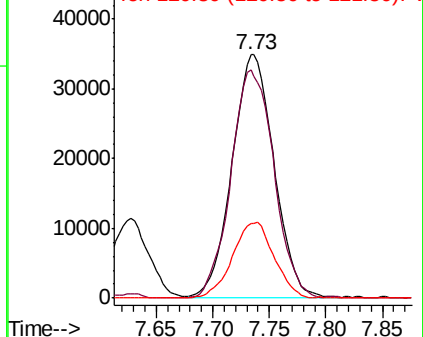


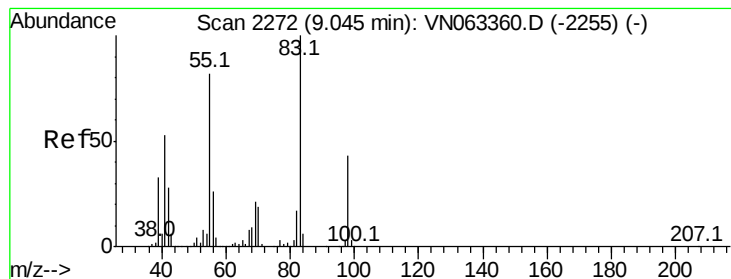
#38
Carbon Tetrachloride
Concen: 19.659 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 117 Resp: 90357
Ion Ratio Lower Upper
117 100
119 93.6 74.5 111.7
121 30.5 24.1 36.1



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





#39

Methvlcvclohexane

Concen: 17.739 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

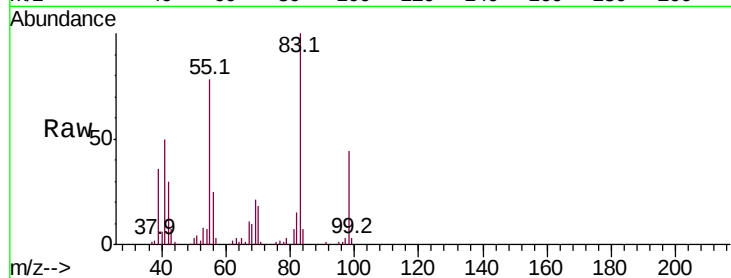
Tot Ion: 83 Resp: 86683

Ion Ratio Lower Upper

83 100

55 77.7 65.5 98.3

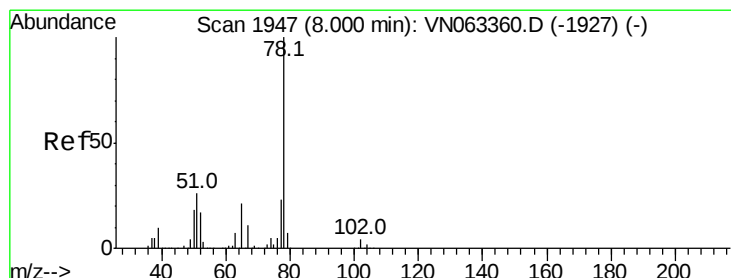
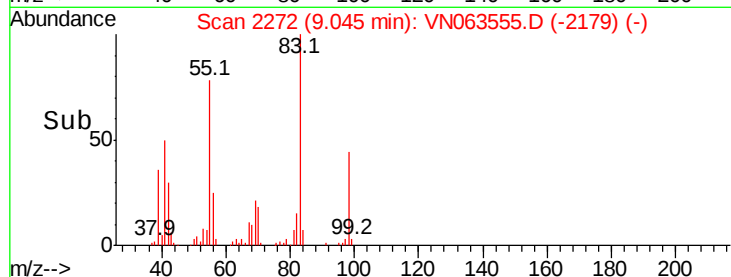
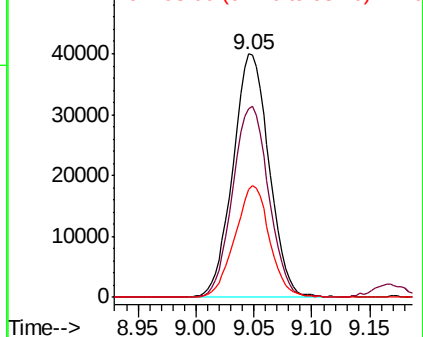
98 44.2 34.2 51.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 19.991 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063555.D

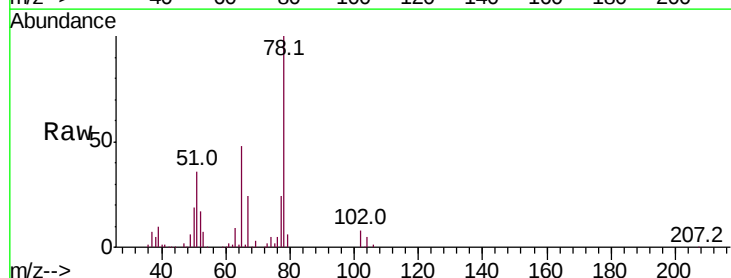
Acq: 23 Sep 2020 1:16

Tgt Ion: 78 Resp: 256950

Ion Ratio Lower Upper

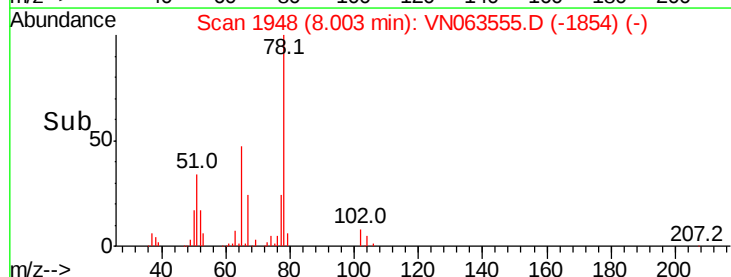
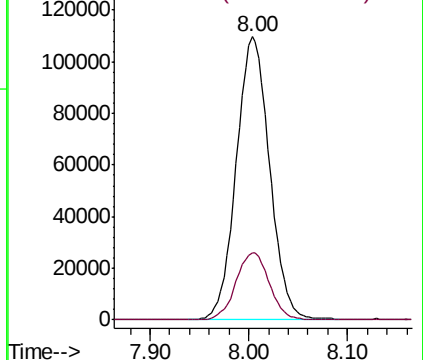
78 100

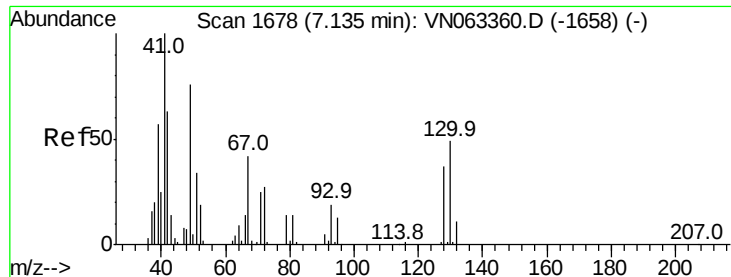
77 23.6 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

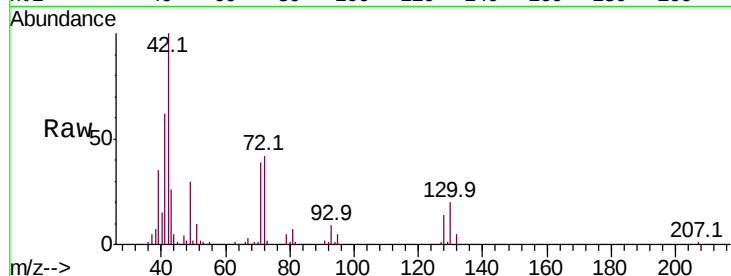




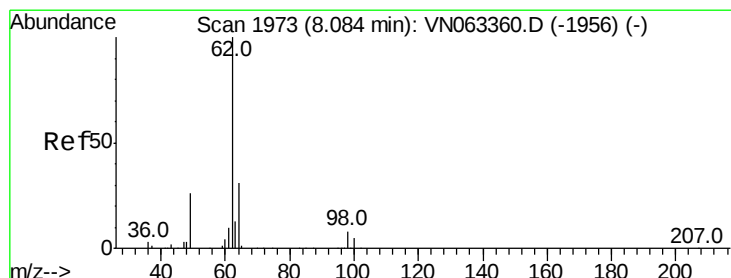
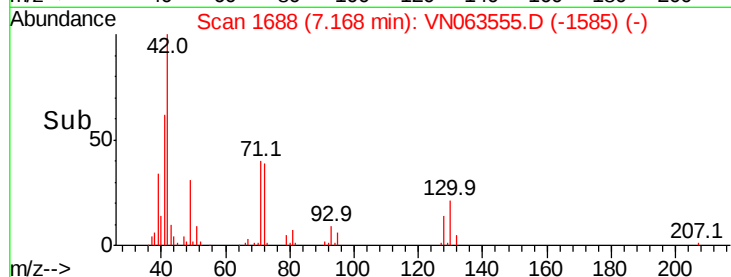
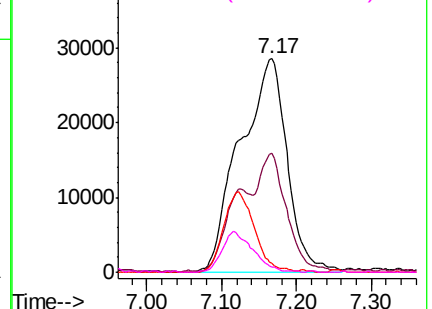
#41
Methacrylonitrile
Concen: 62.912 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.03 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampled :
VN0922WBS02

Tot Ion: 41 Resp: 125038
Ion Ratio Lower Upper
41 100
39 31.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

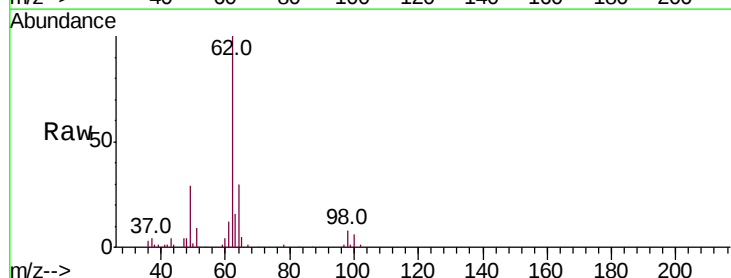


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

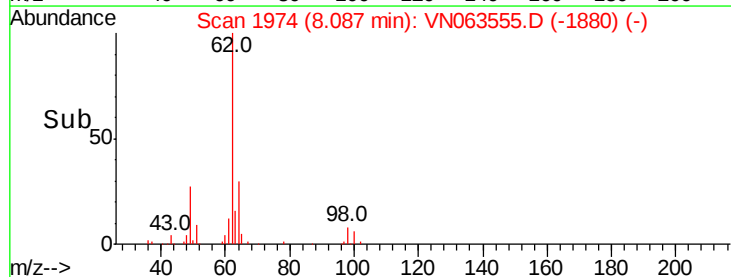
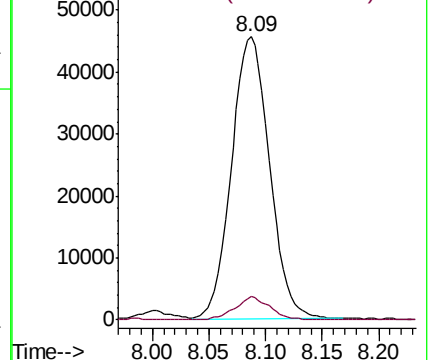


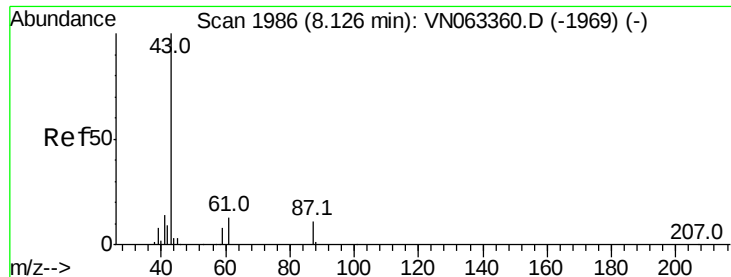
#42
1,2-Dichloroethane
Concen: 20.664 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 62 Resp: 106810
Ion Ratio Lower Upper
62 100
98 7.5 0.0 15.6



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





#43

Isopropyl Acetate

Concen: 18.562 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

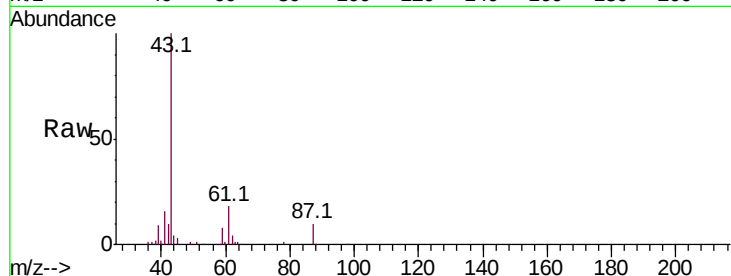
Tot Ion: 43 Resp: 146672

Ion Ratio Lower Upper

43 100

61 17.6 14.2 21.2

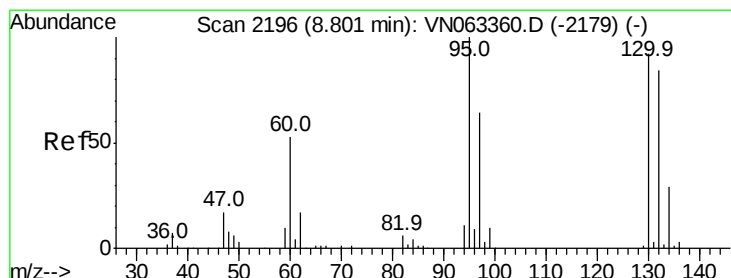
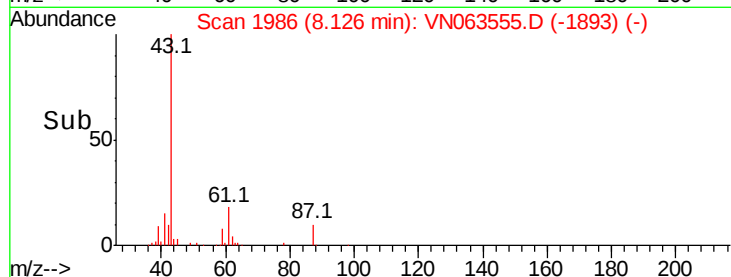
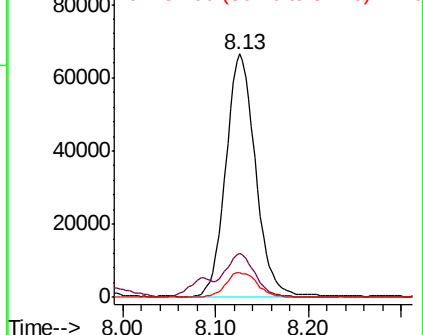
87 10.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063360.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063360.D (-1969) (-)



#44

Trichloroethene

Concen: 20.333 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063555.D

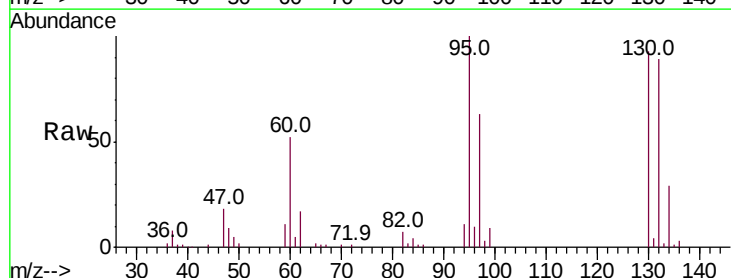
Acq: 23 Sep 2020 1:16

Tgt Ion:130 Resp: 63388

Ion Ratio Lower Upper

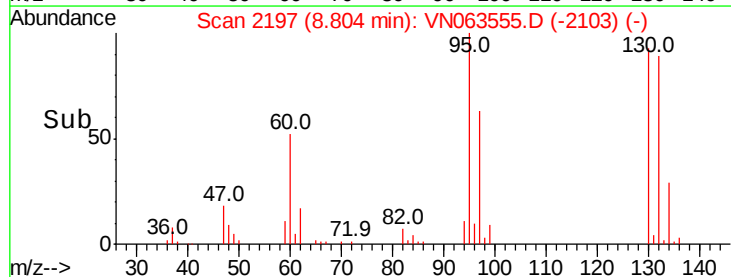
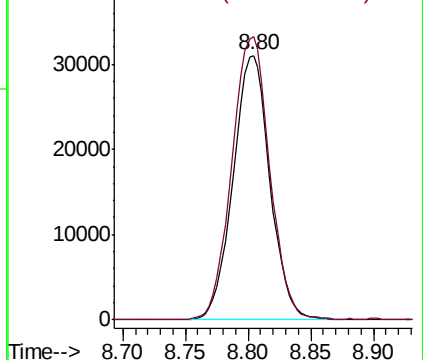
130 100

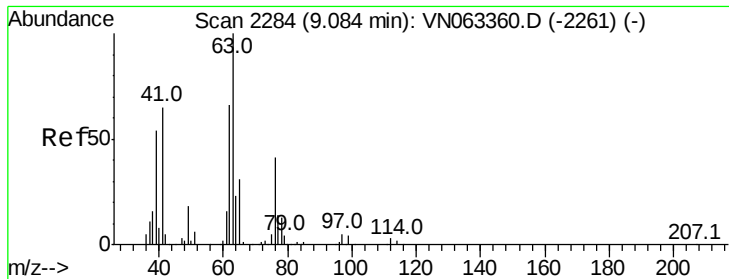
95 107.0 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.077 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

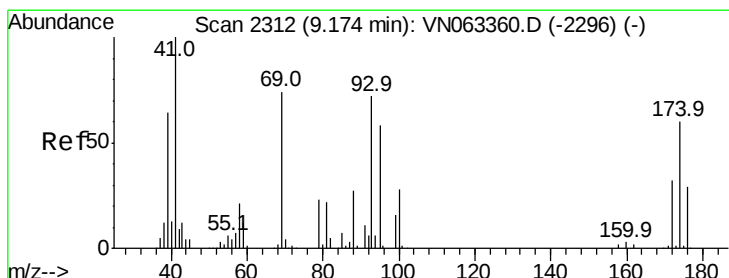
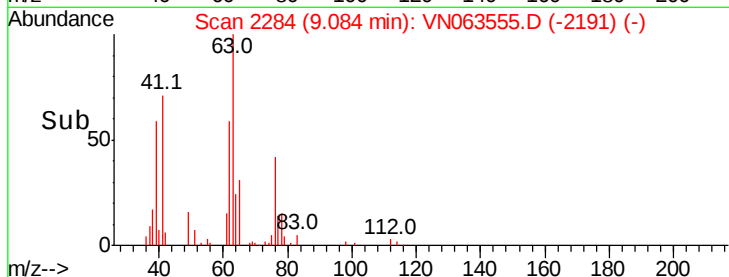
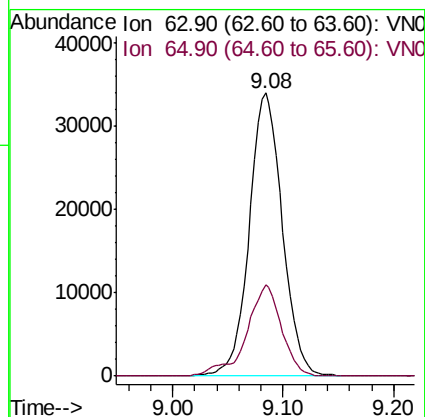
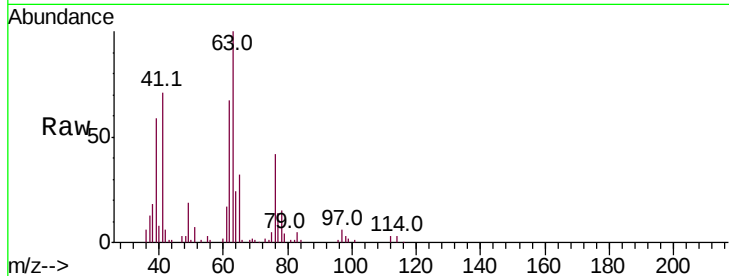
VN0922WBS02

Tot Ion: 63 Resp: 70283

Ion Ratio Lower Upper

63 100

65 32.1 25.0 37.6



#46

Dibromomethane

Concen: 20.851 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

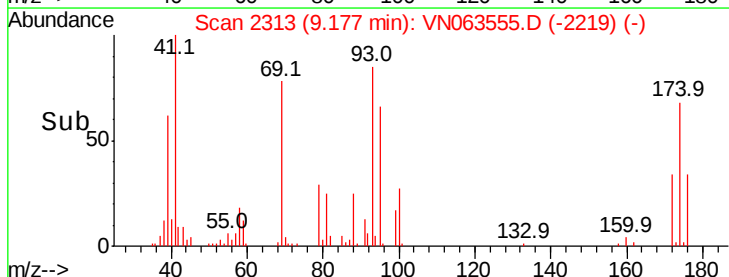
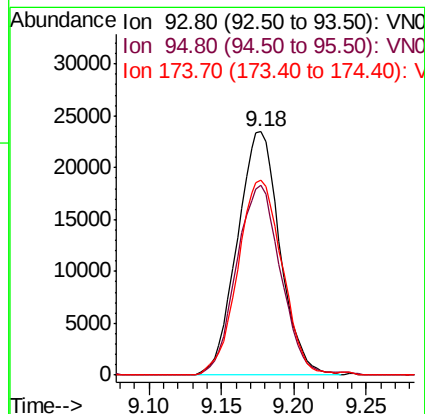
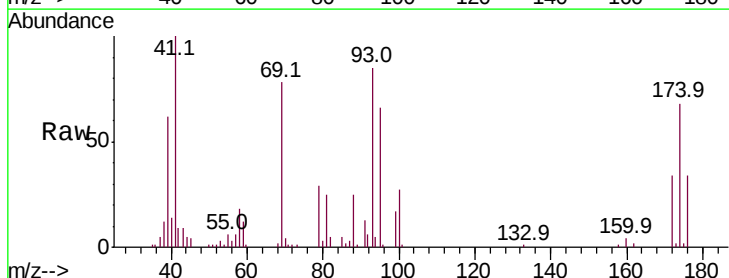
Tgt Ion: 93 Resp: 47974

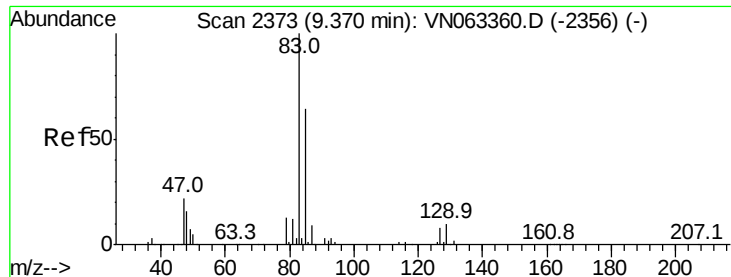
Ion Ratio Lower Upper

93 100

95 80.9 65.6 98.4

174 83.3 68.1 102.1





#47

Bromodichloromethane

Concen: 20.032 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

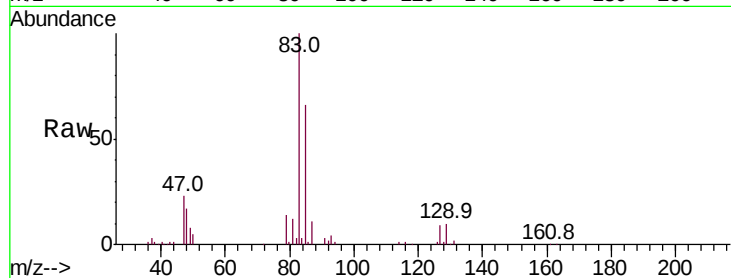
Tot Ion: 83 Resp: 95751

Ion Ratio Lower Upper

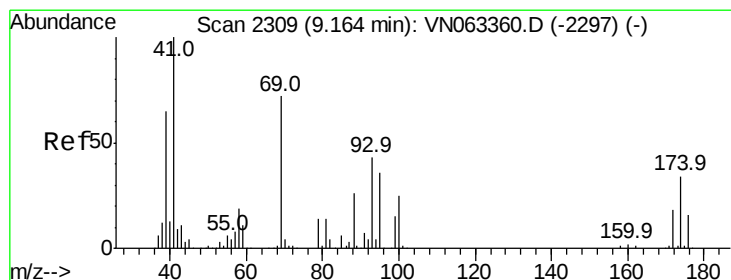
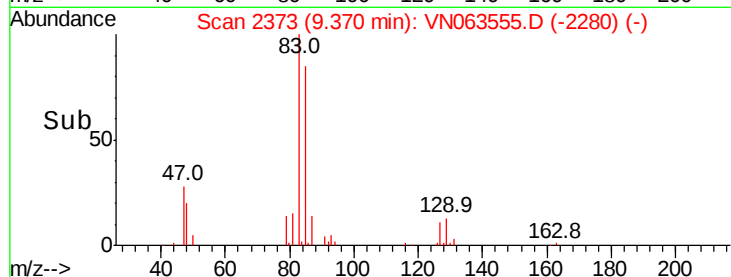
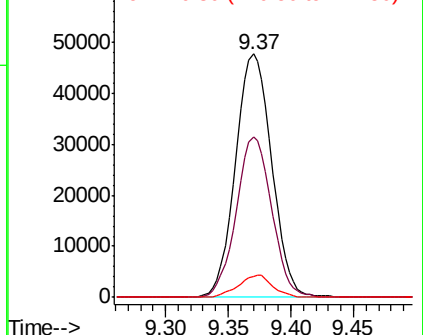
83 100

85 66.0 51.0 76.6

127 8.8 6.3 9.5



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): VN0



#48

Methyl methacrylate

Concen: 18.314 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

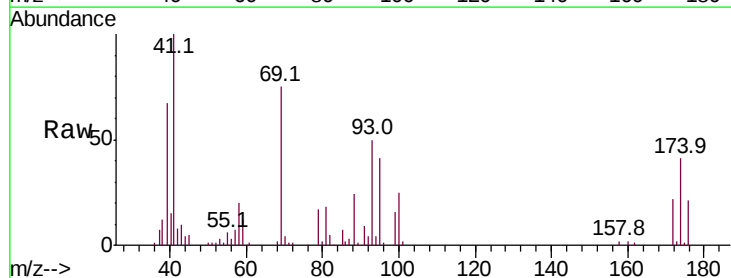
Tgt Ion: 41 Resp: 71098

Ion Ratio Lower Upper

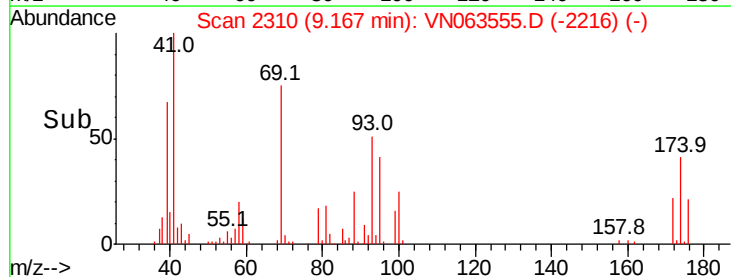
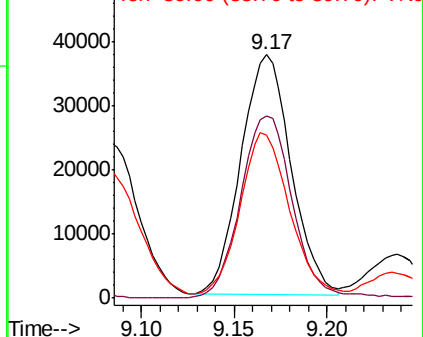
41 100

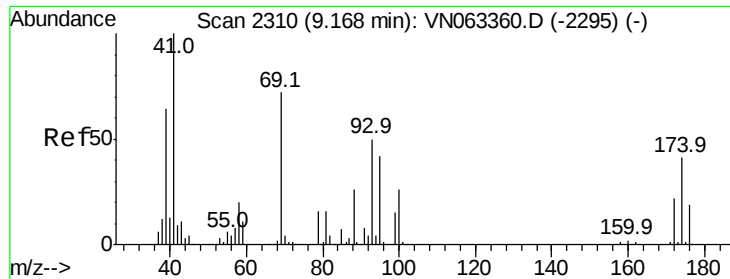
69 78.7 59.3 88.9

39 67.5 52.9 79.3



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

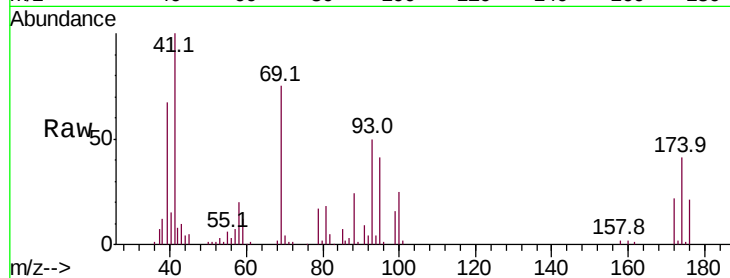




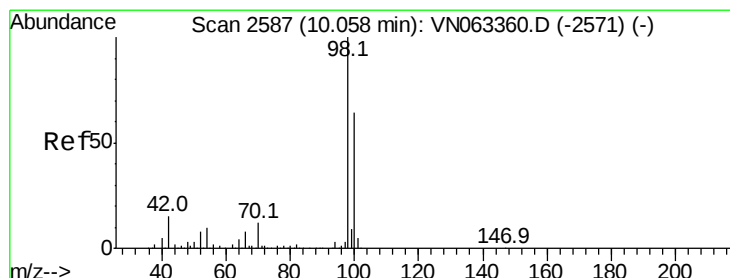
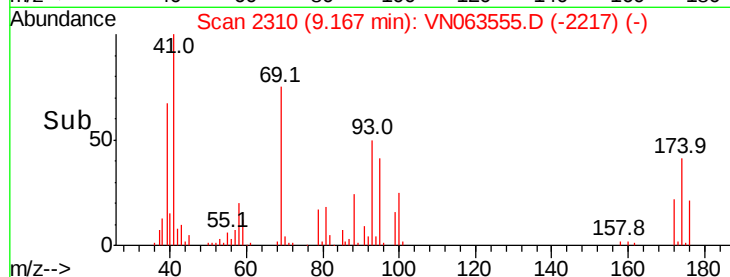
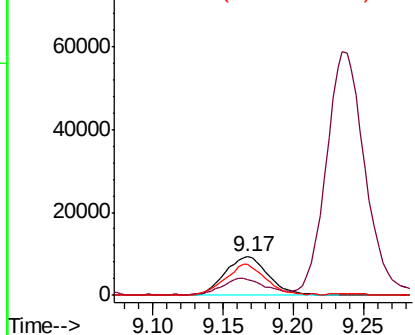
#49
 1,4-Dioxane
 Concen: 360.052 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

Tot Ion	88	Resp	20059
Ion	Ratio	Lower	Upper
88	100		
43	40.5	32.6	49.0
58	75.7	60.0	90.0

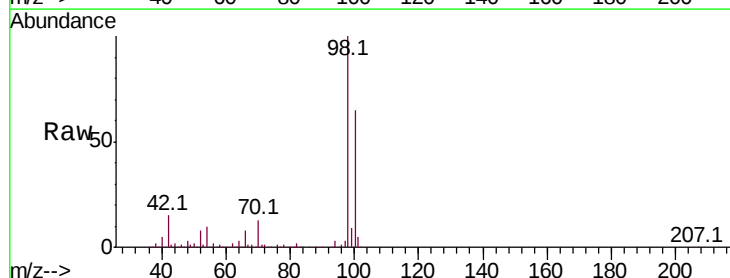


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

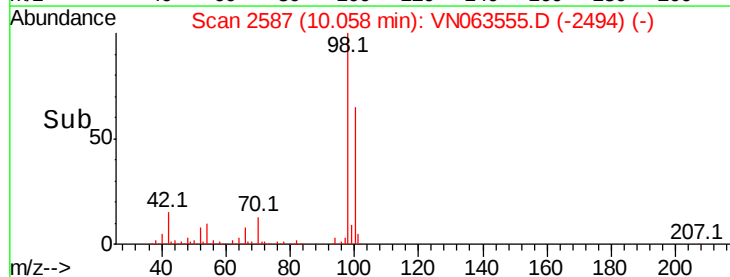
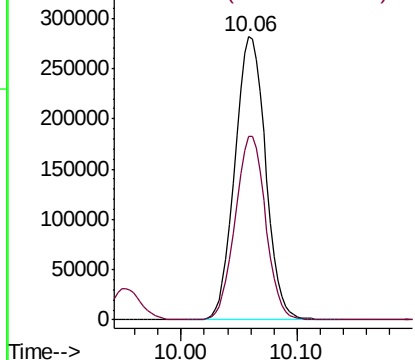


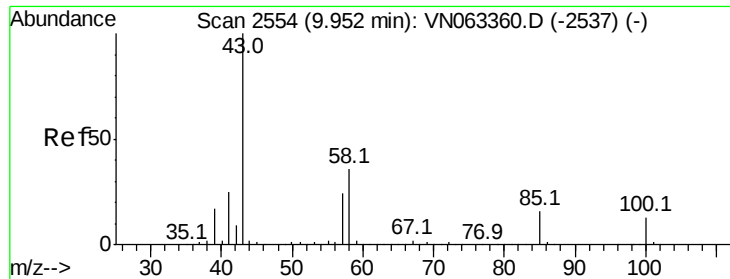
#50
 Toluene-d8
 Concen: 46.984 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	98	Resp	516890
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1



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: 97.878 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampled :

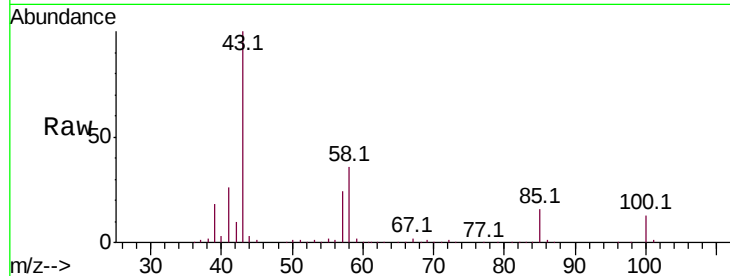
VN0922WBS02

Tot Ion: 43 Resp: 432976

Ion Ratio Lower Upper

43 100

58 35.8 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

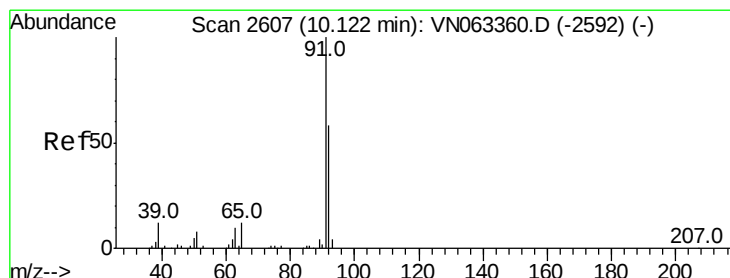
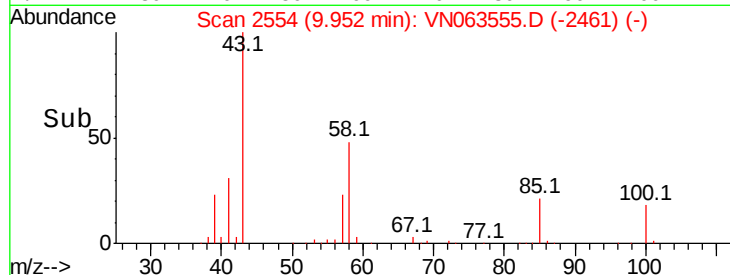
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 20.549 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063555.D

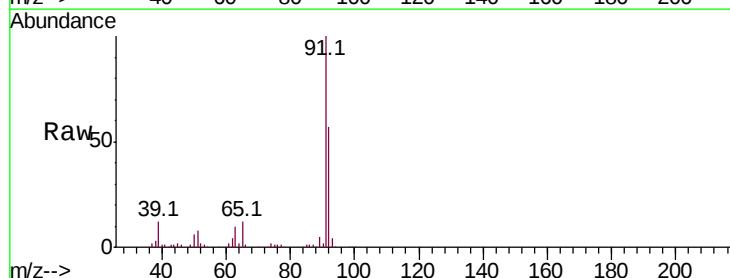
Acq: 23 Sep 2020 1:16

Tgt Ion: 92 Resp: 158793

Ion Ratio Lower Upper

92 100

91 174.4 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

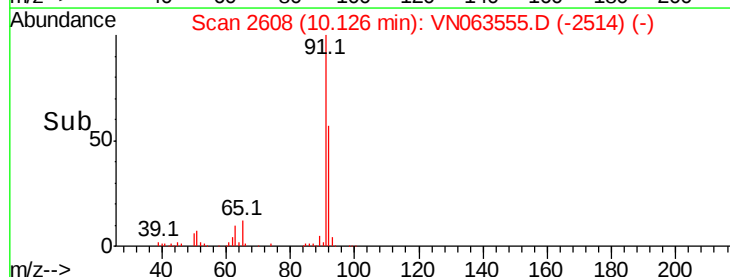
100000

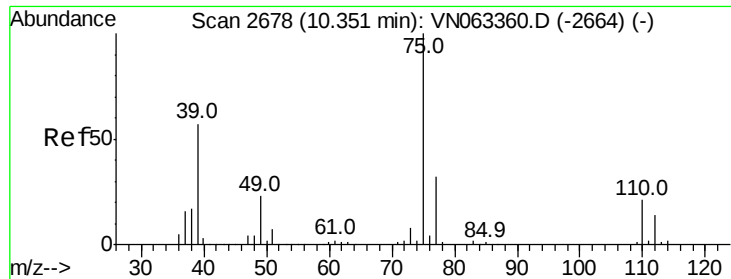
50000

0

10.10 10.13 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.029 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

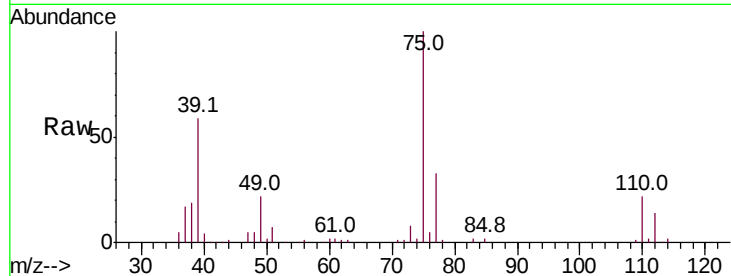
VN0922WBS02

Tot Ion: 75 Resp: 96207

Ion Ratio Lower Upper

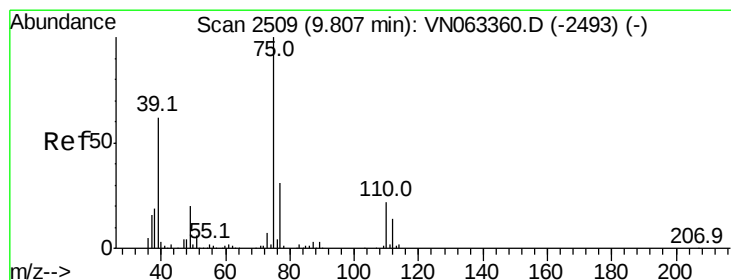
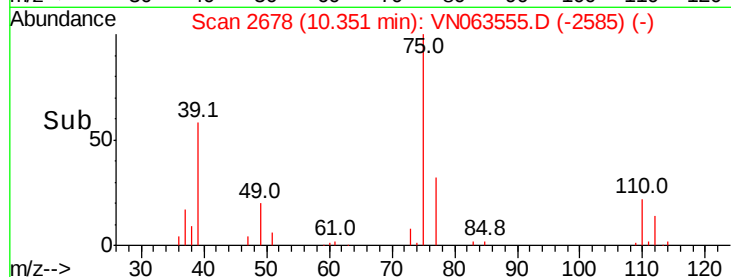
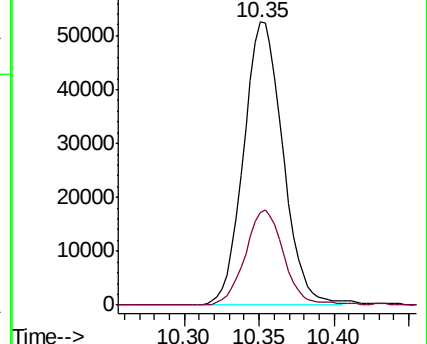
75 100

77 32.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.462 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

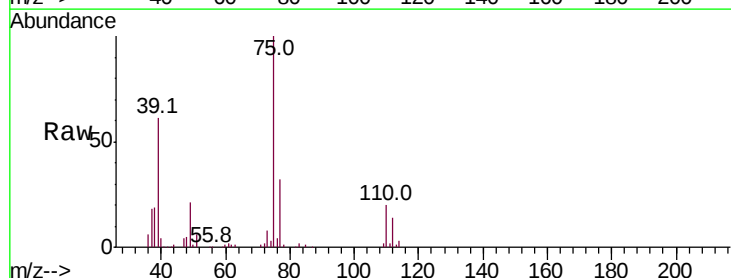
Tgt Ion: 75 Resp: 103917

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0

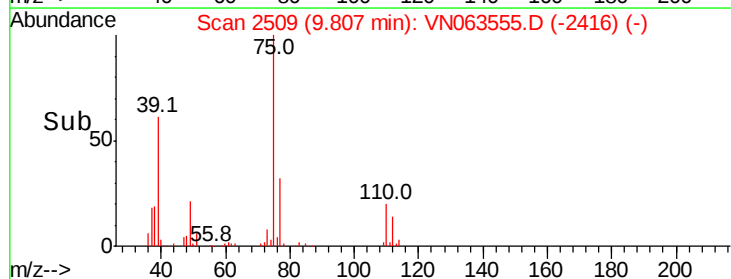
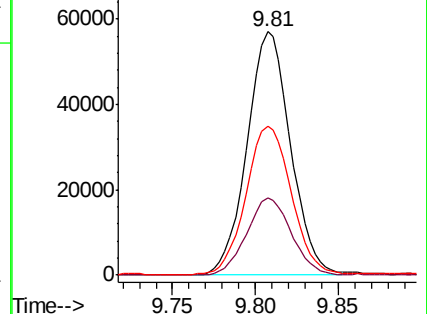
39 60.8 49.8 74.8

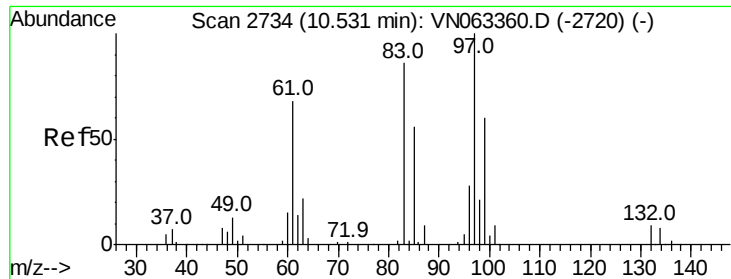


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.474 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

Tot Ion: 97 Resp: 65914

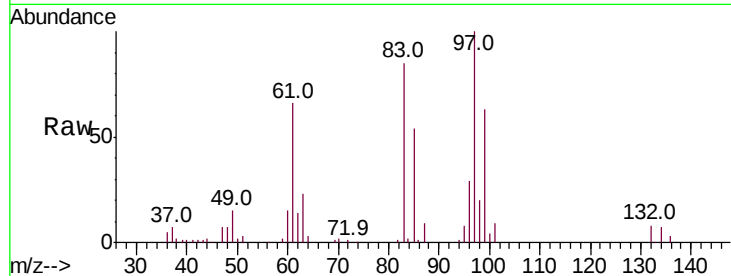
Ion Ratio Lower Upper

97 100

83 85.2 68.9 103.3

85 54.1 44.8 67.2

99 62.5 47.8 71.8

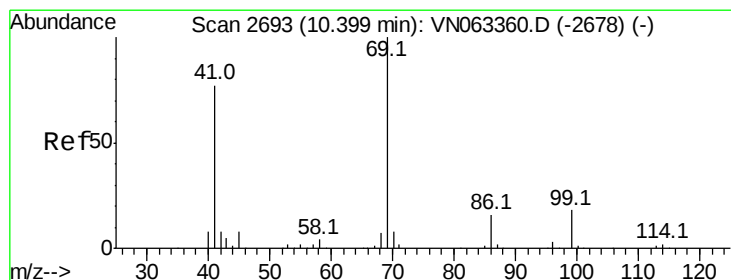
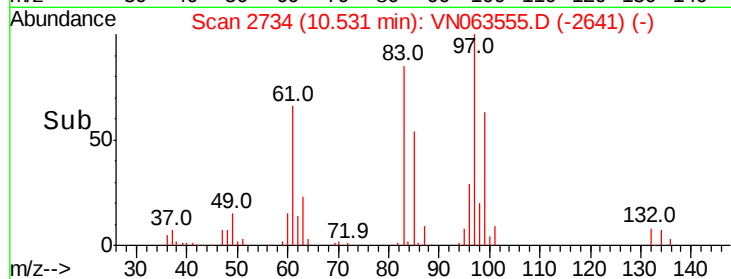
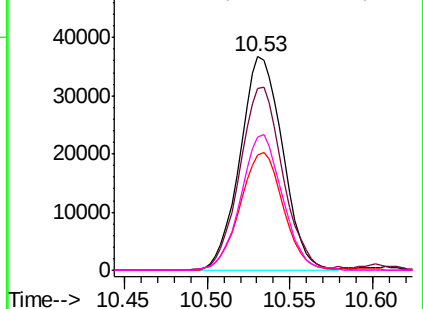


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.619 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

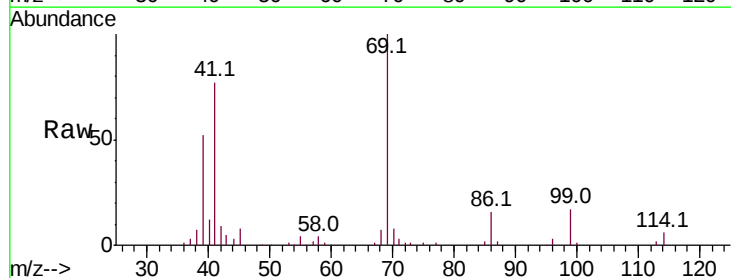
Tgt Ion: 69 Resp: 89217

Ion Ratio Lower Upper

69 100

41 78.2 61.0 91.6

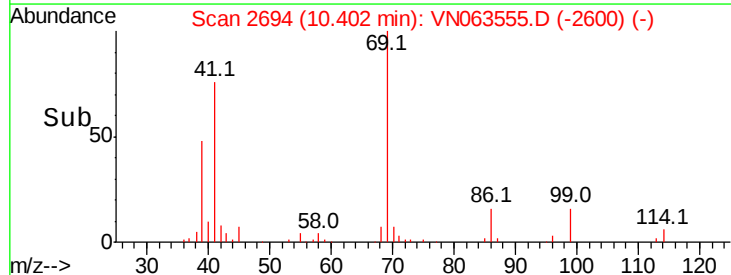
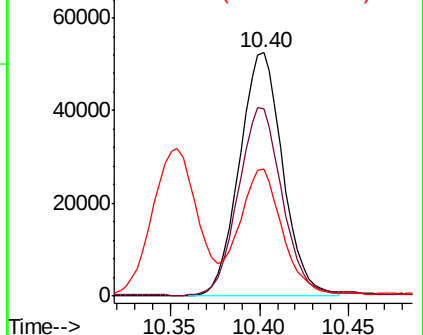
39 49.9 39.2 58.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.675 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

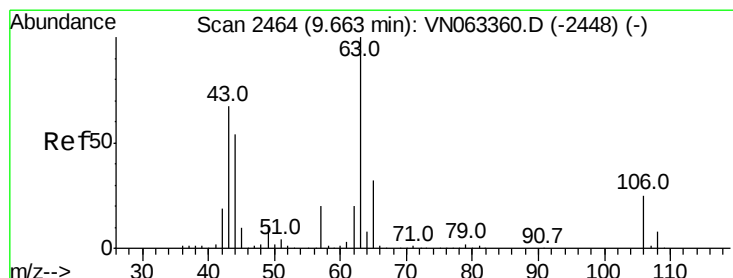
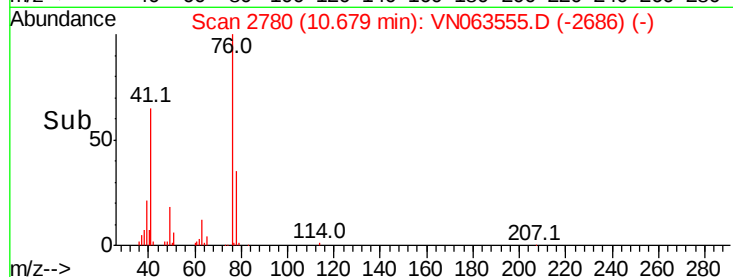
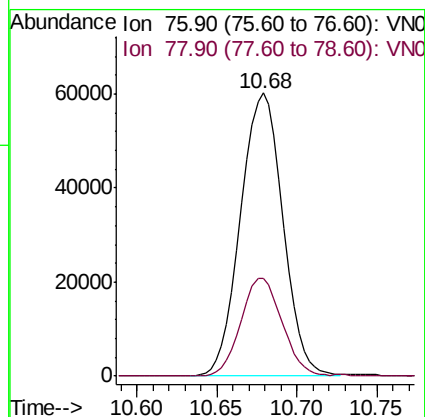
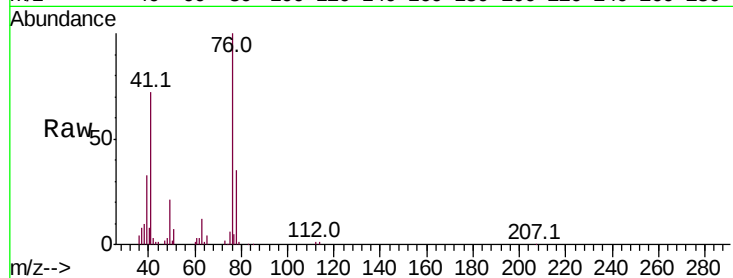
VN0922WBS02

Tot Ion: 76 Resp: 108905

Ion Ratio Lower Upper

76 100

78 33.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 92.456 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063555.D

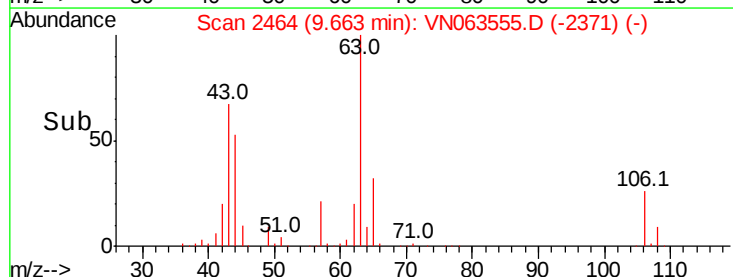
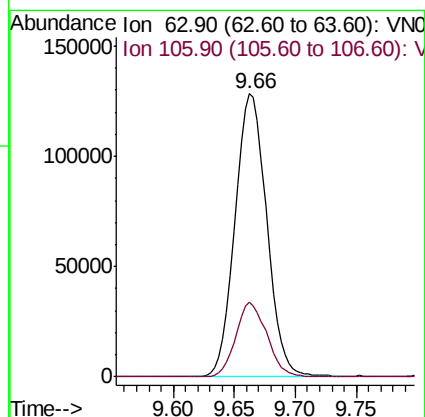
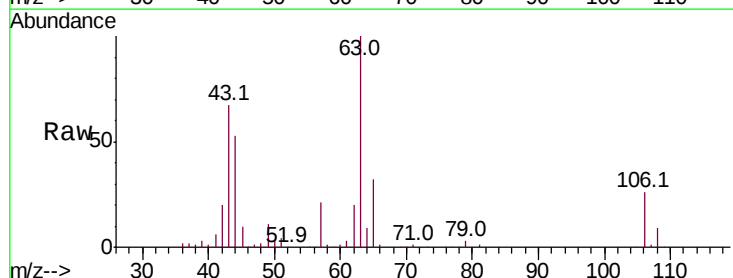
Acq: 23 Sep 2020 1:16

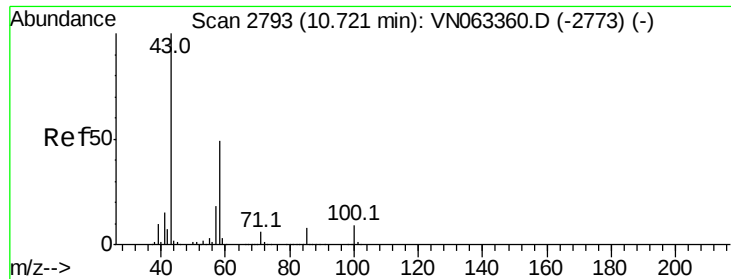
Tgt Ion: 63 Resp: 232407

Ion Ratio Lower Upper

63 100

106 25.8 19.5 29.3

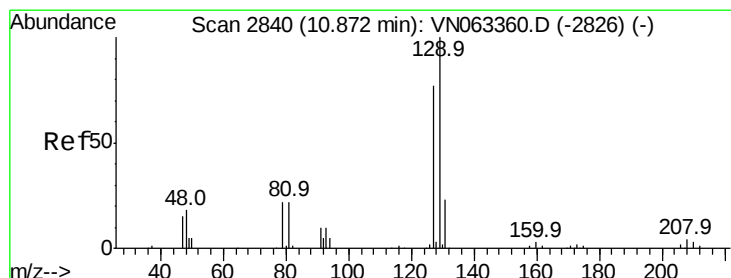
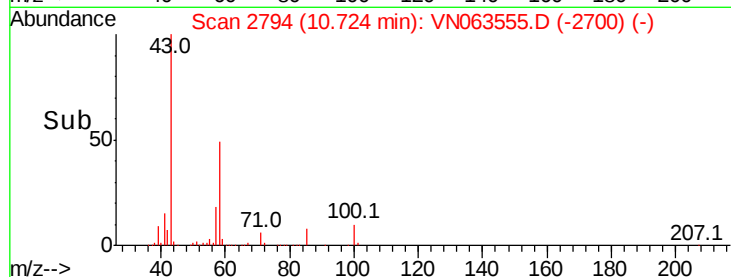
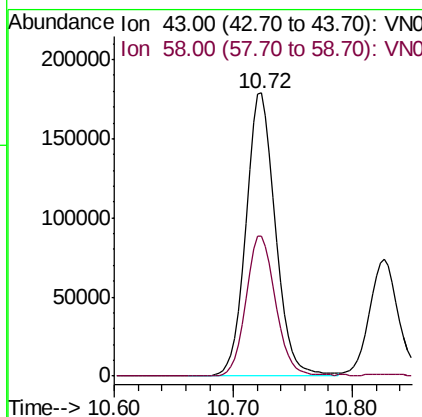
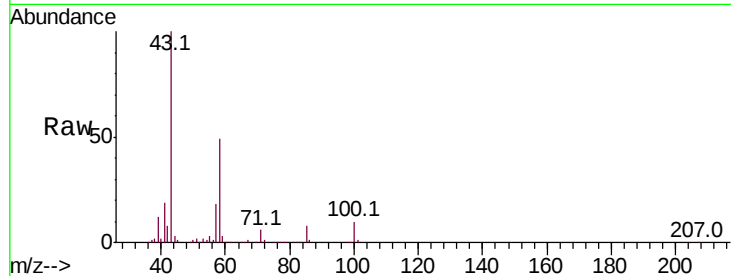




#59
2-Hexanone
Concen: 95.377 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

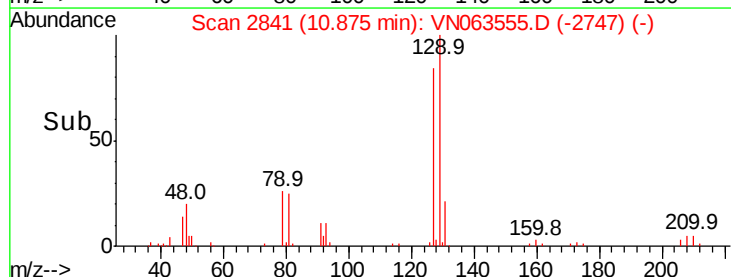
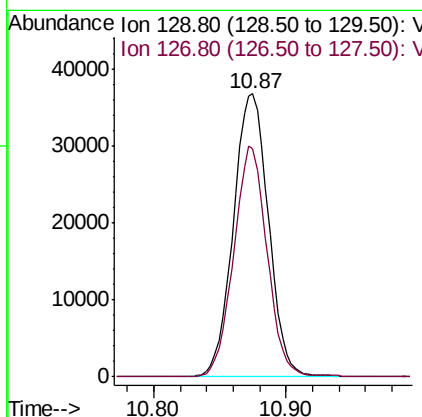
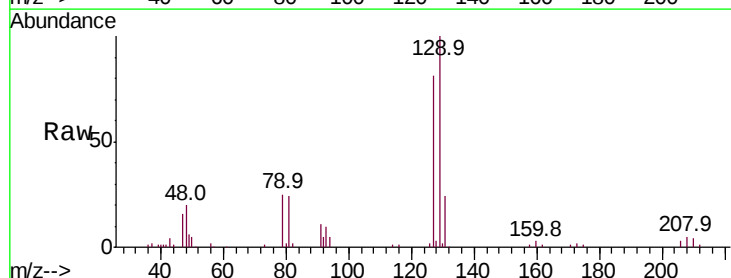
Instrument :
MSVOA_N
ClientSampled :
VN0922WBS02

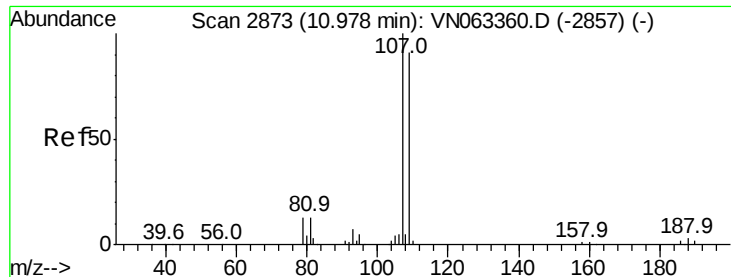
Tot Ion: 43 Resp: 305665
Ion Ratio Lower Upper
43 100
58 49.9 24.7 74.1



#60
Dibromochloromethane
Concen: 19.574 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion: 129 Resp: 67877
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3

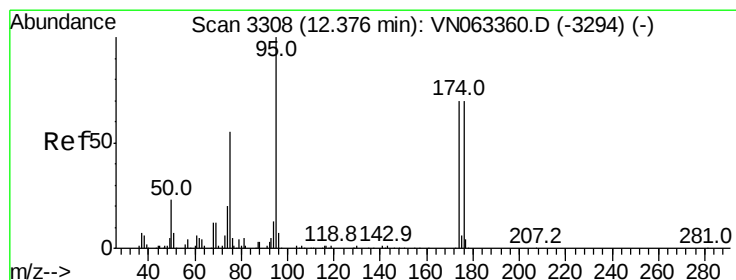
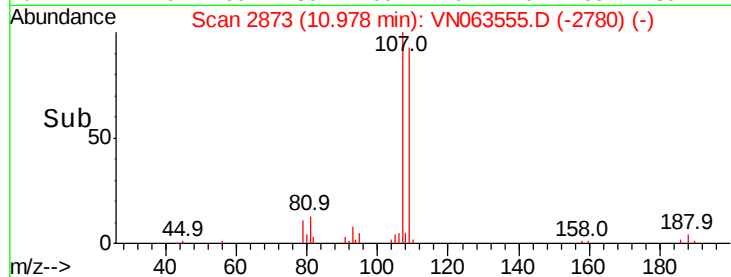
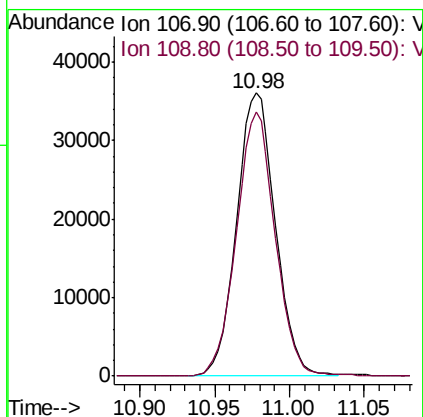
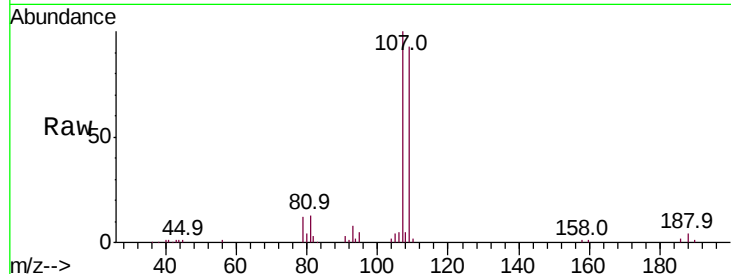




#61
 1,2-Dibromoethane
 Concen: 20.405 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

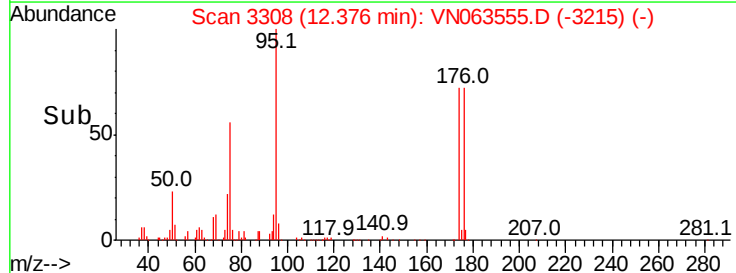
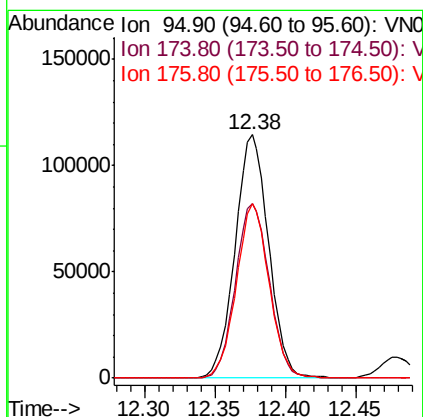
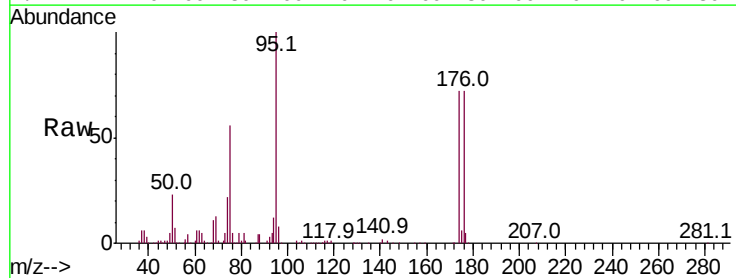
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

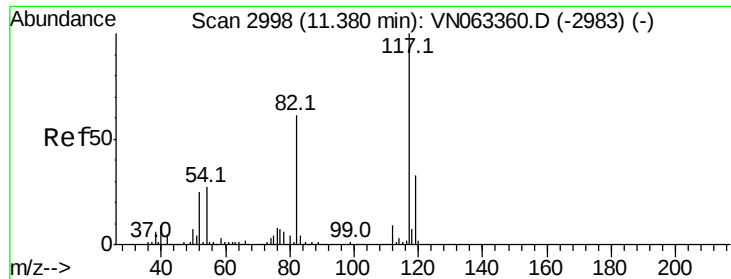
Tot Ion: 107 Resp: 65071
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 47.422 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion: 95 Resp: 191249
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 140.8
 176 70.1 0.0 137.6

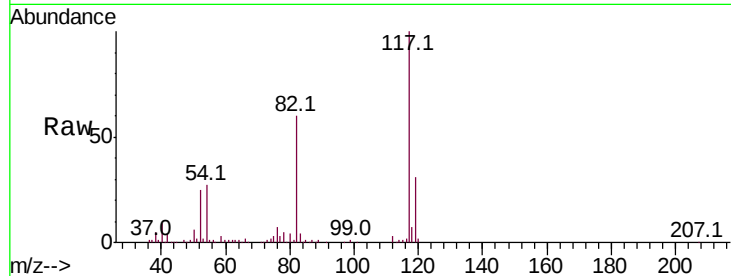




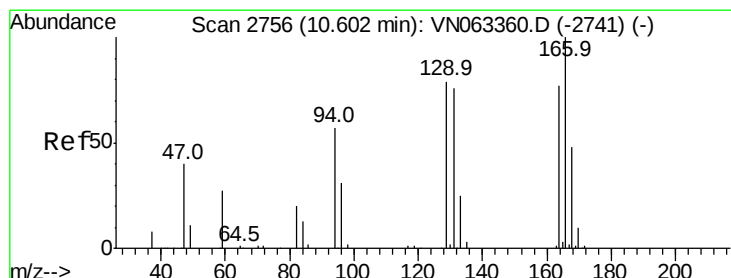
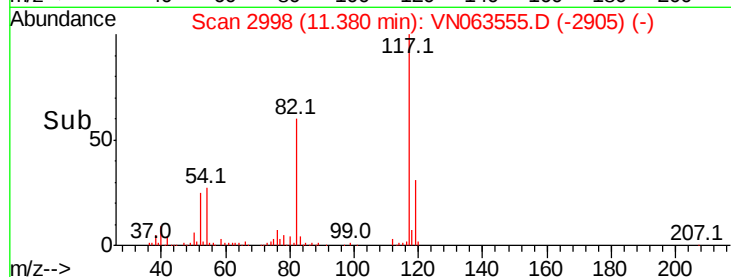
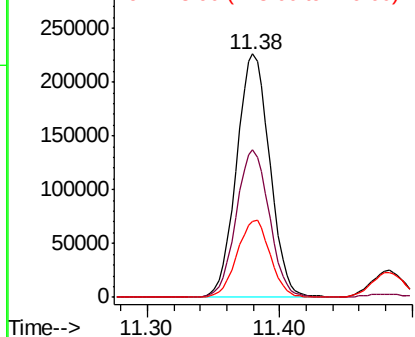
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion:117 Resp: 393429
Ion Ratio Lower Upper
117 100
82 60.4 49.2 73.8
119 31.5 26.2 39.4

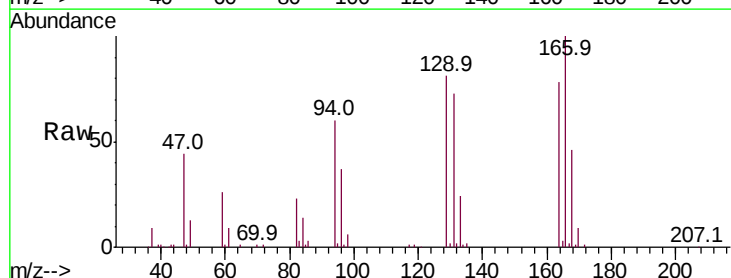


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

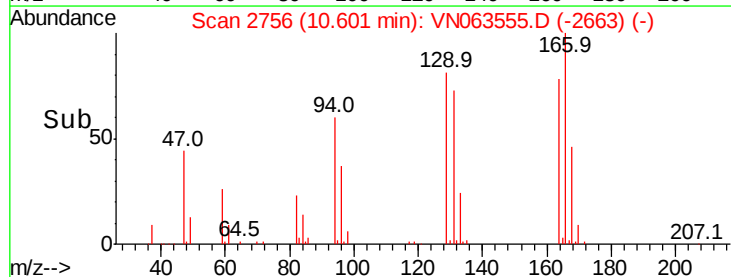
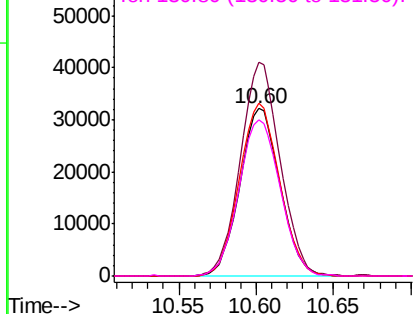


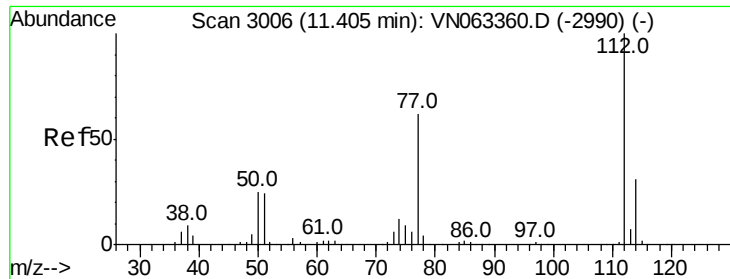
#64
Tetrachloroethene
Concen: 21.570 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion:164 Resp: 57785
Ion Ratio Lower Upper
164 100
166 127.4 103.4 155.0
129 102.9 81.8 122.6
131 93.5 78.2 117.4



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

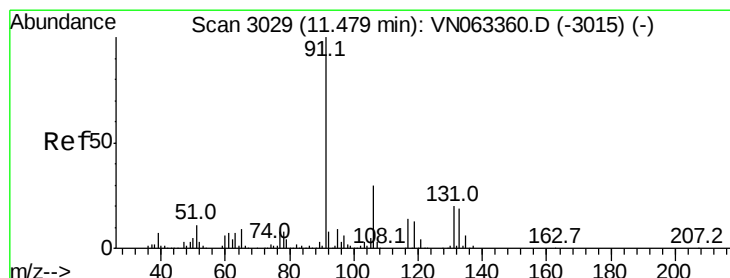
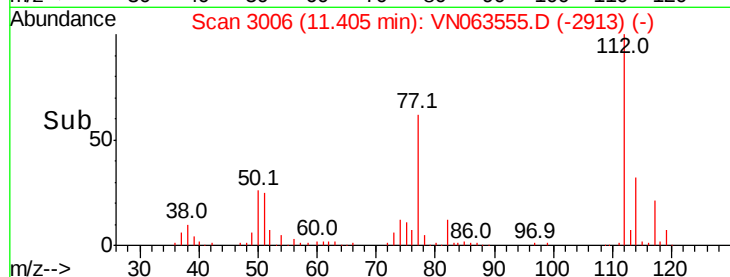
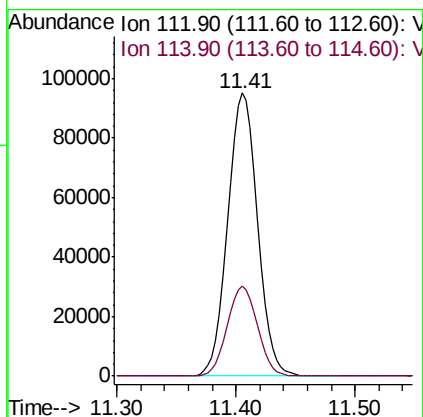
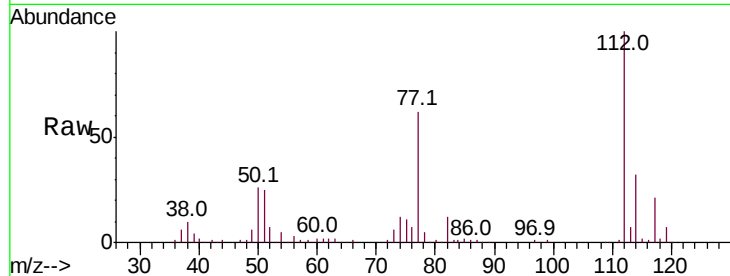




#65
Chlorobenzene
Concen: 19.791 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

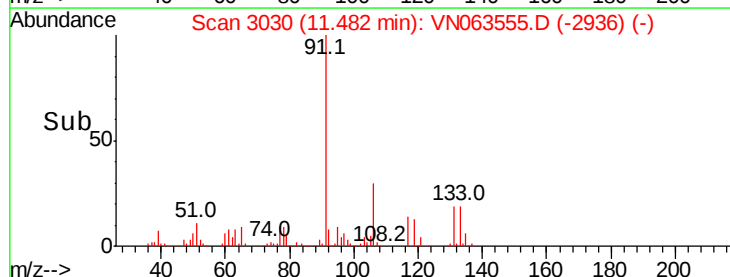
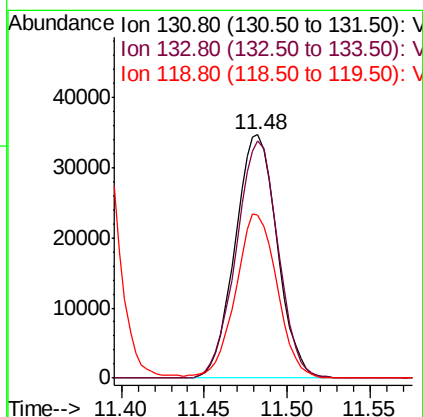
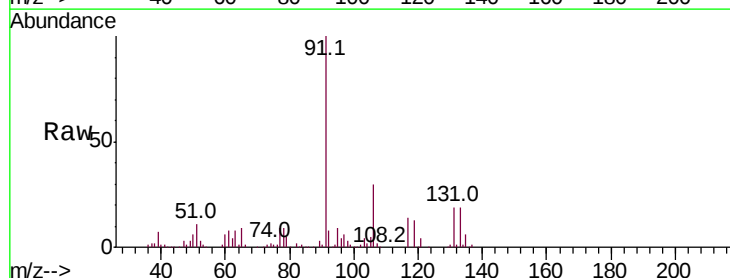
Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

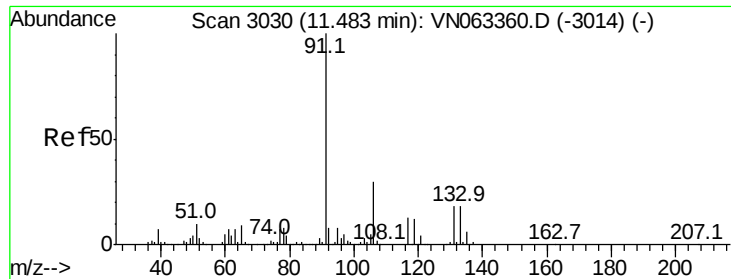
Tot Ion:112 Resp: 165282
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.975 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion:131 Resp: 61150
Ion Ratio Lower Upper
131 100
133 97.2 47.3 141.9
119 66.8 33.6 100.8





#67

Ethyl Benzene

Concen: 19.316 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampled :

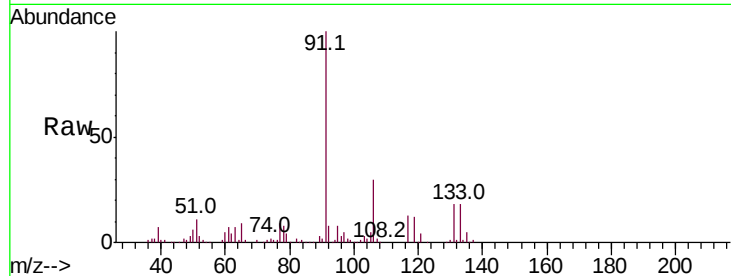
VN0922WBS02

Tot Ion: 91 Resp: 303787

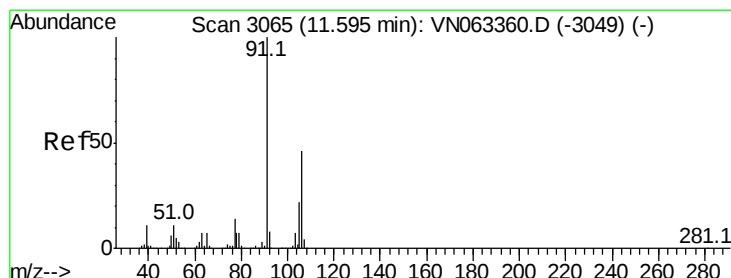
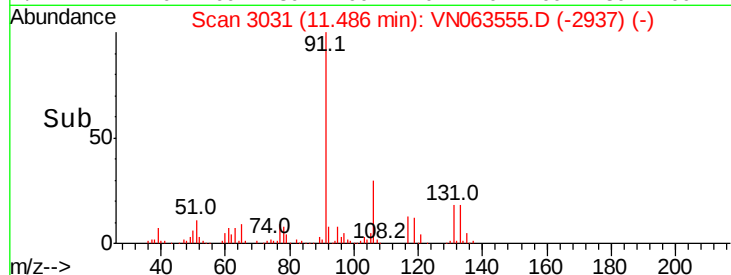
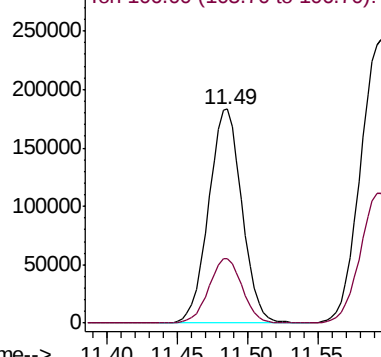
Ion Ratio Lower Upper

91 100

106 30.3 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3014) (-)



#68

m/p-Xylenes

Concen: 39.315 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063555.D

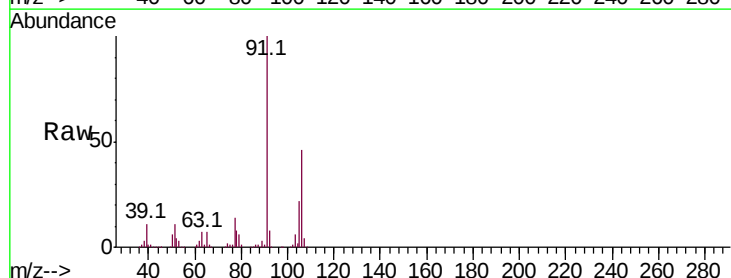
Acq: 23 Sep 2020 1:16

Tgt Ion: 106 Resp: 222937

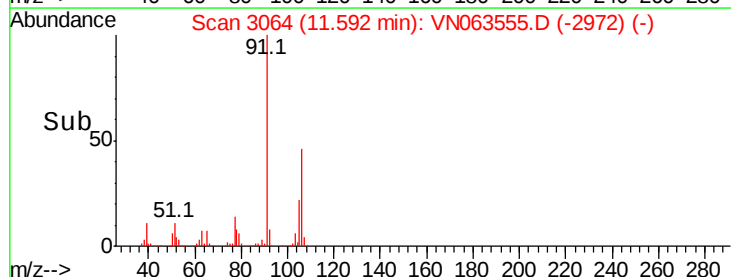
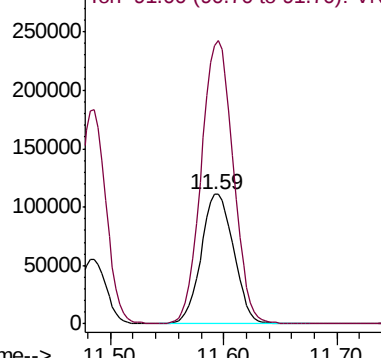
Ion Ratio Lower Upper

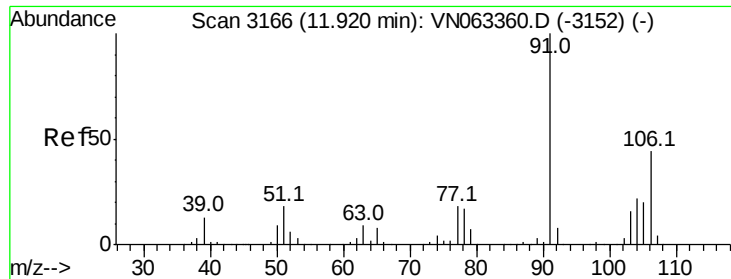
106 100

91 213.9 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): VN063360.D (-3049) (-)

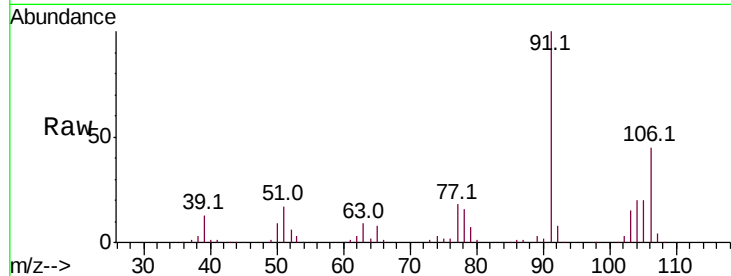




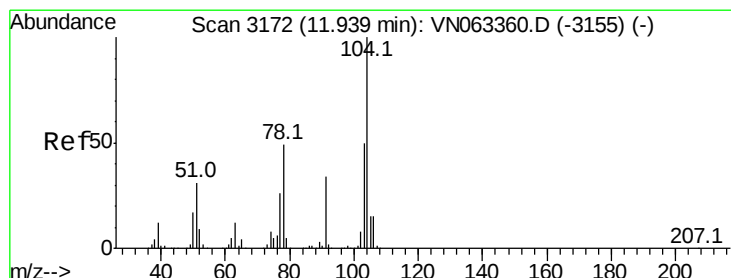
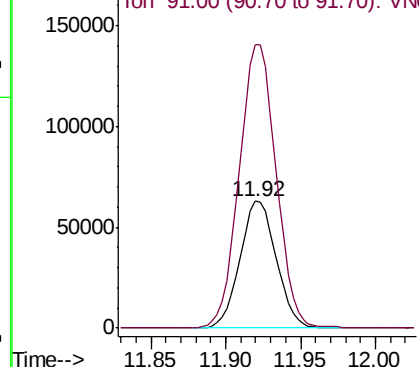
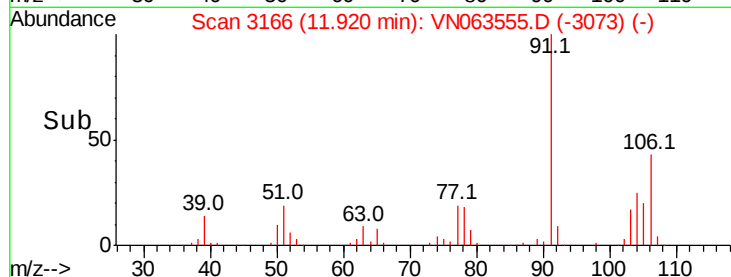
#69
o-Xylene
Concen: 19.706 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion:106 Resp: 106449
Ion Ratio Lower Upper
106 100
91 227.1 113.6 340.8

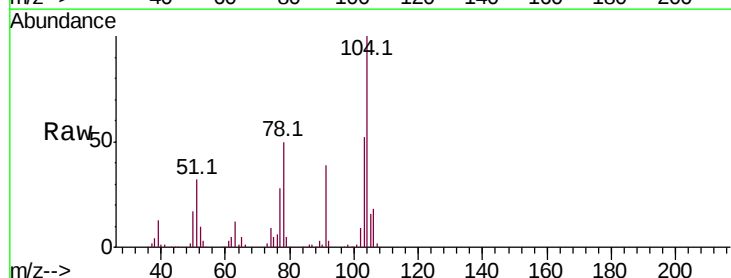


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

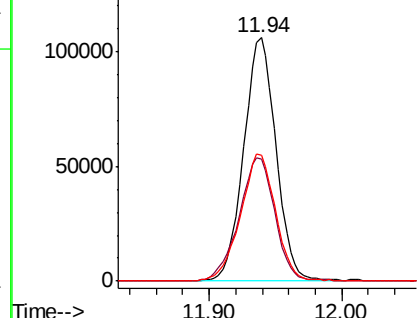
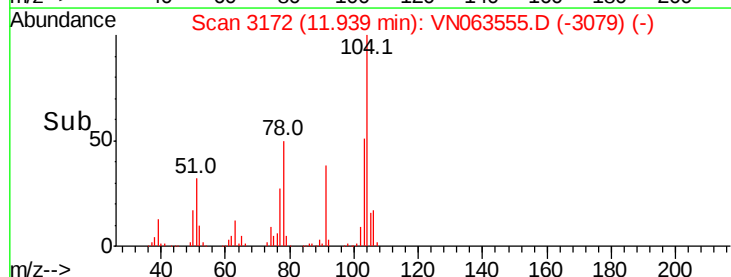


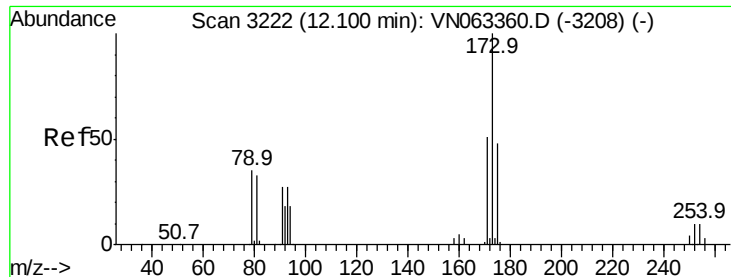
#70
Styrene
Concen: 19.902 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063555.D
Acq: 23 Sep 2020 1:16

Tgt Ion:104 Resp: 180285
Ion Ratio Lower Upper
104 100
78 56.2 44.4 66.6
103 56.5 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.430 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

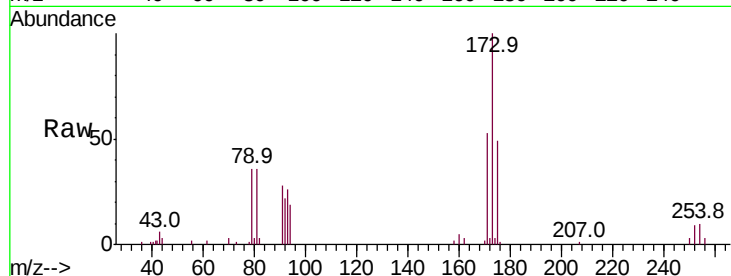
Tot Ion:173 Resp: 42032

Ion Ratio Lower Upper

173 100

175 48.8 24.0 72.0

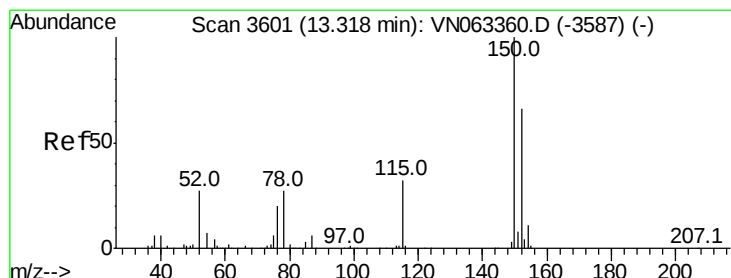
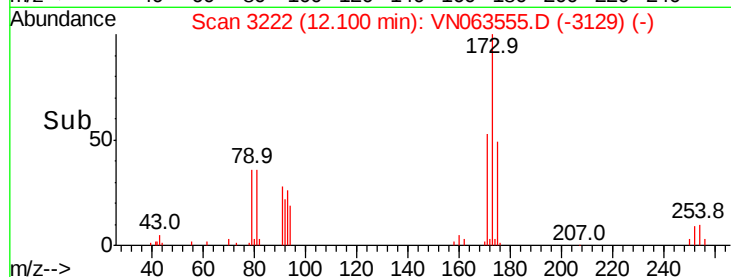
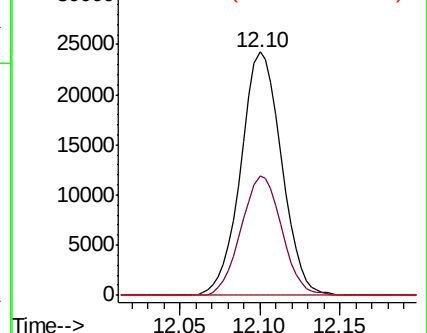
254 0.0 0.0 0.0



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: VN063555.D

Acq: 23 Sep 2020 1:16

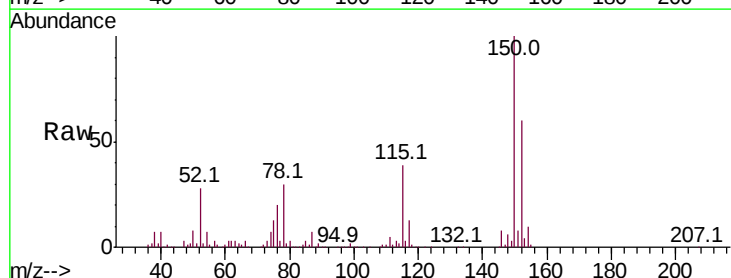
Tgt Ion:152 Resp: 175581

Ion Ratio Lower Upper

152 100

115 64.3 32.2 96.6

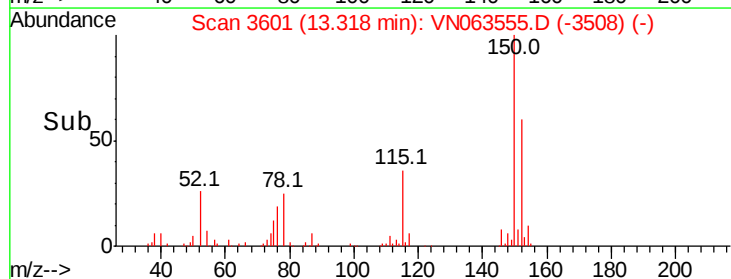
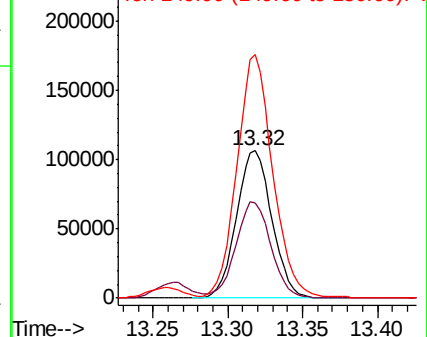
150 167.0 0.0 343.4

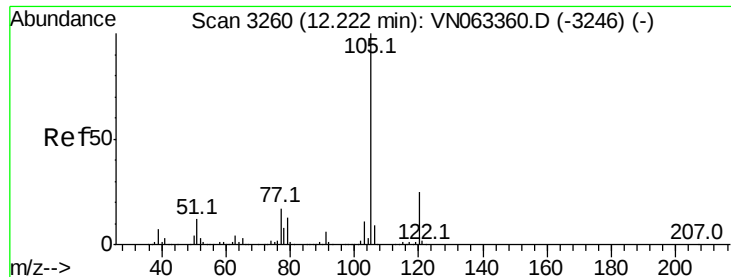


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.323 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

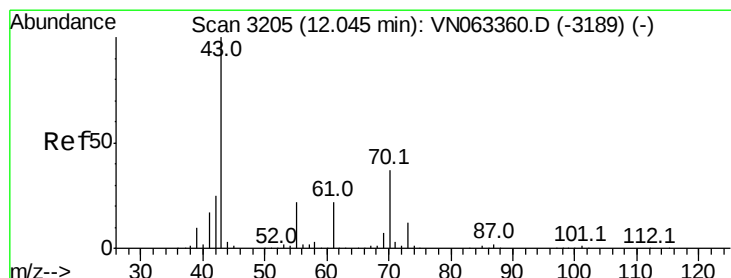
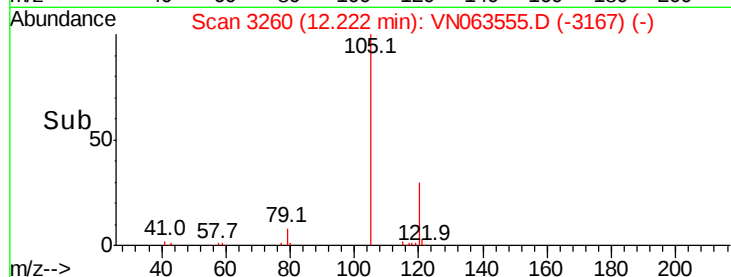
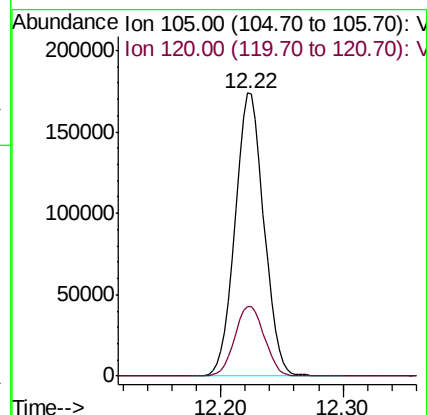
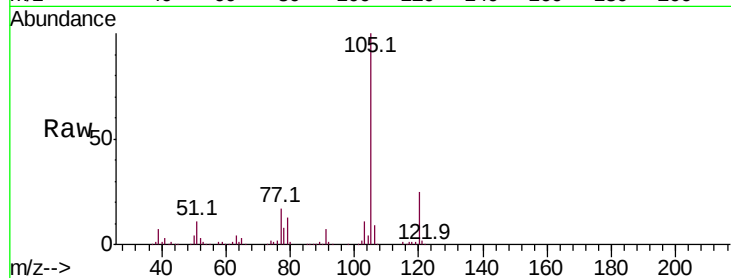
VN0922WBS02

Tot Ion:105 Resp: 285940

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.0



#74

N-ethyl acetate

Concen: 18.709 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion: 43 Resp: 124606

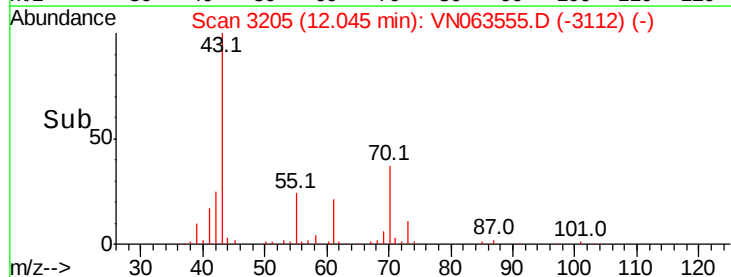
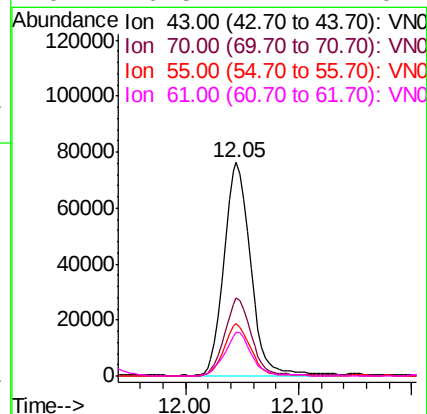
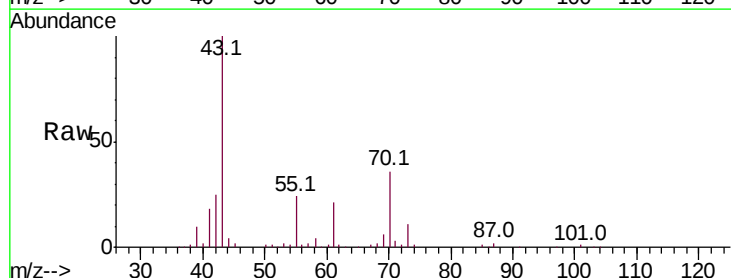
Ion Ratio Lower Upper

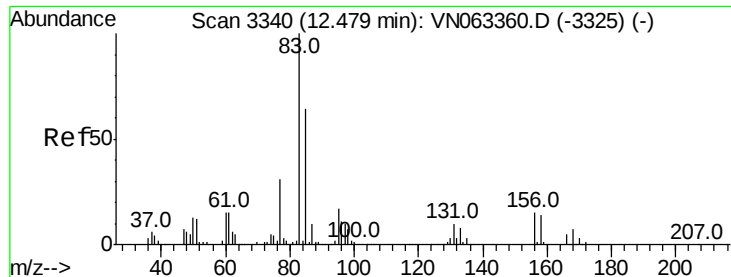
43 100

70 37.0 29.6 44.4

55 24.8 17.7 26.5

61 20.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.331 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampled :

VN0922WBS02

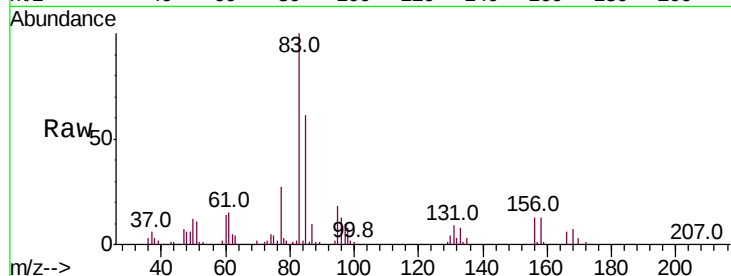
Tot Ion: 83 Resp: 88574

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

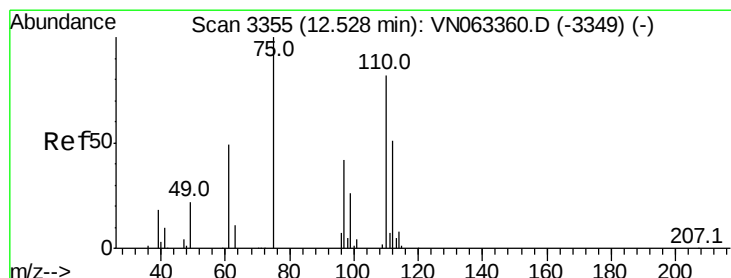
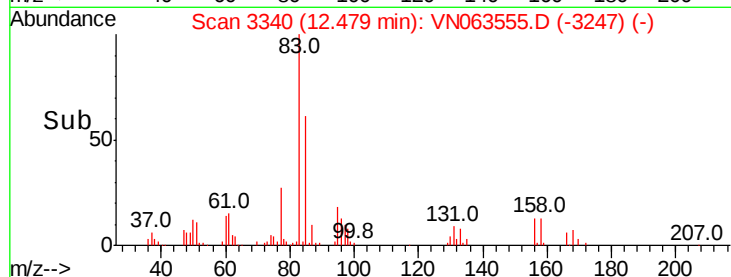
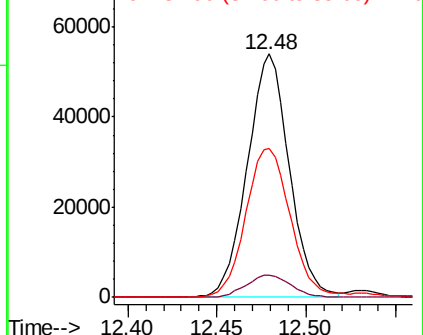
85 65.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.721 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063555.D

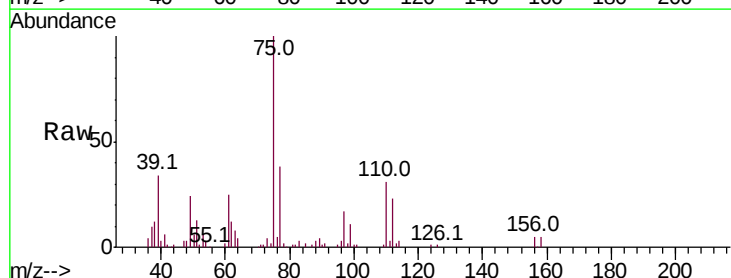
Acq: 23 Sep 2020 1:16

Tgt Ion: 75 Resp: 120474

Ion Ratio Lower Upper

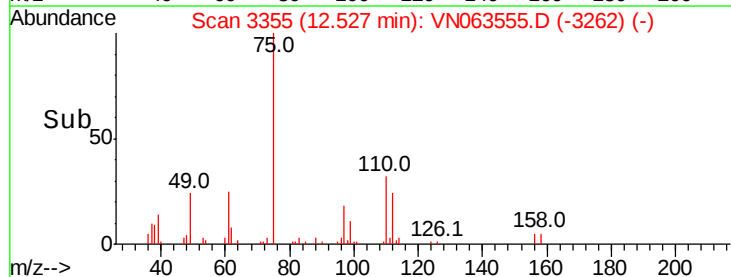
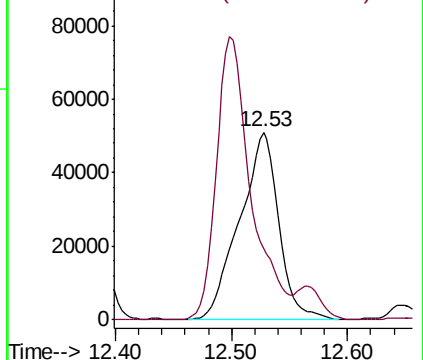
75 100

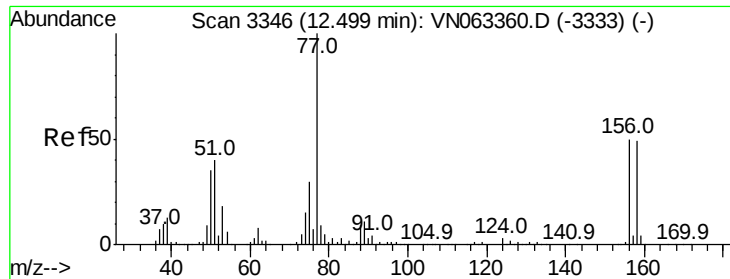
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.614 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

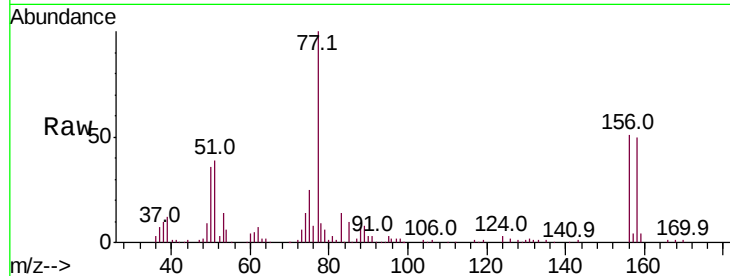
Tot Ion:156 Resp: 68409

Ion Ratio Lower Upper

156 100

77 233.2 120.2 360.6

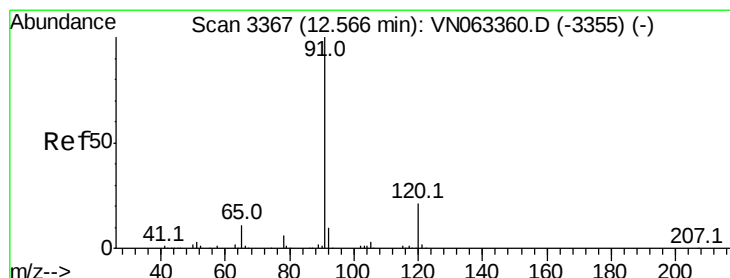
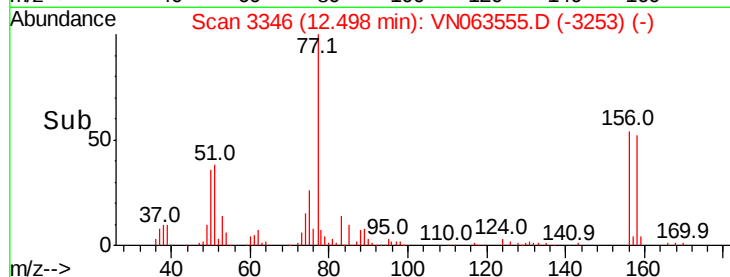
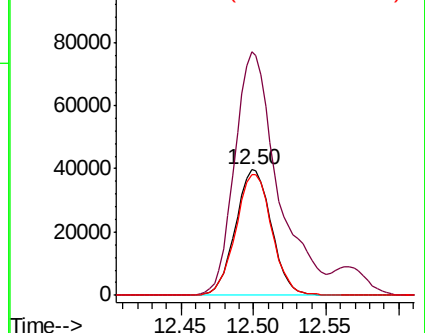
158 96.9 48.9 146.6



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: 20.289 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063555.D

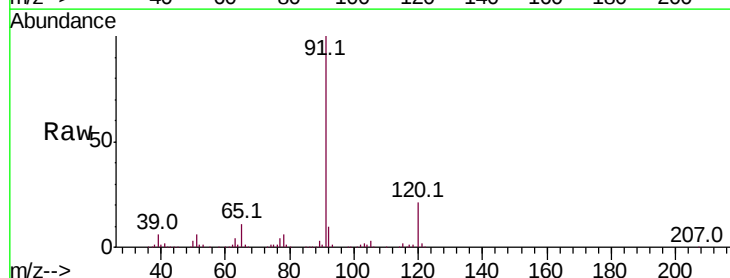
Acq: 23 Sep 2020 1:16

Tgt Ion: 91 Resp: 332489

Ion Ratio Lower Upper

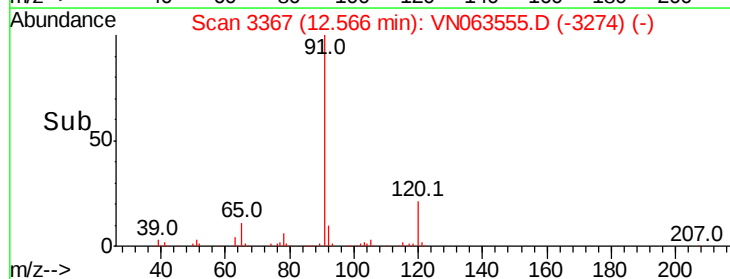
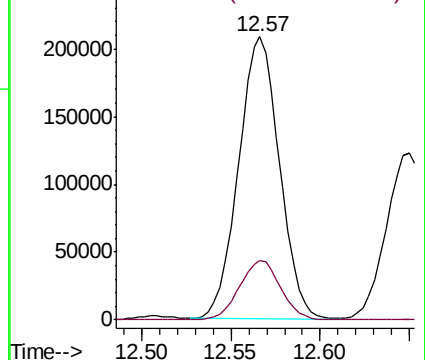
91 100

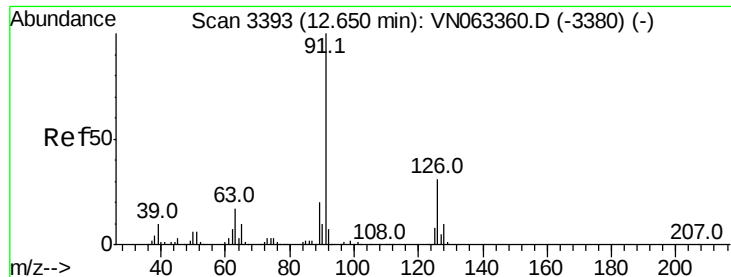
120 21.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

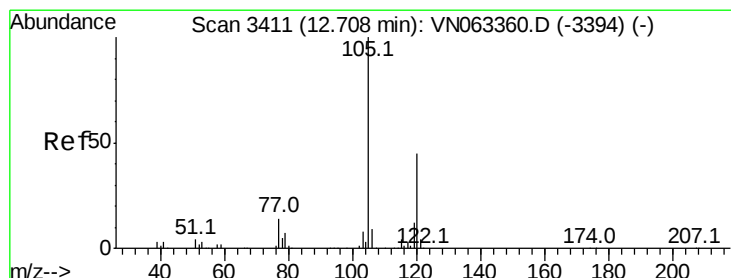
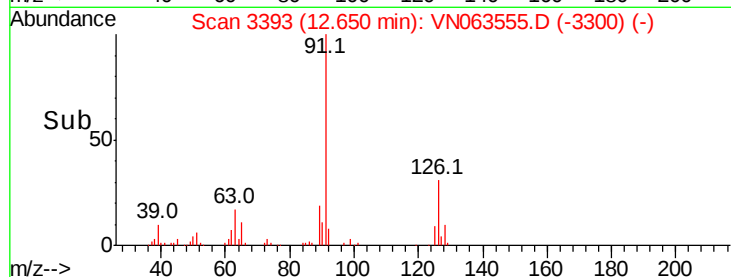
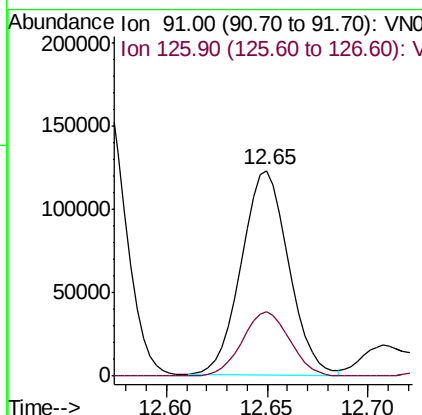
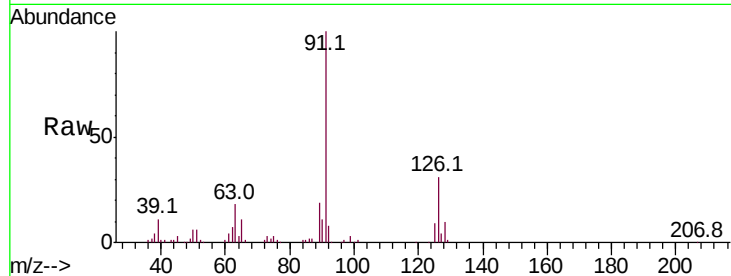




#79
 2-Chlorotoluene
 Concen: 20.572 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

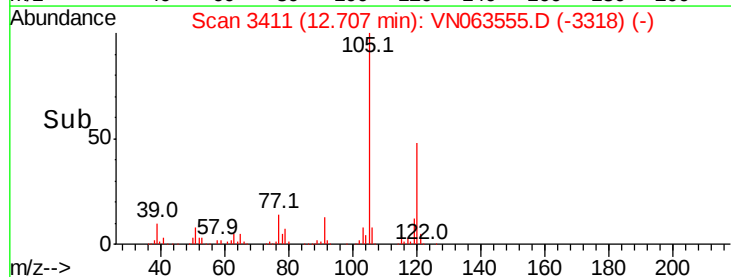
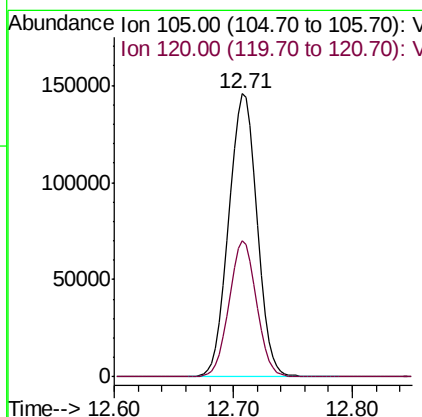
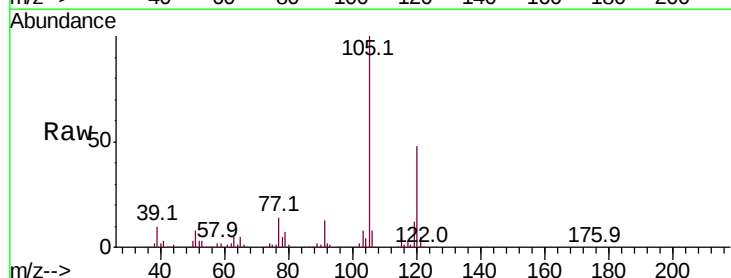
Instrument :
 MSVOA_N
 ClientSampled :
 VN0922WBS02

Tot Ion: 91 Resp: 202095
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.8 47.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.538 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion: 105 Resp: 240962
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.469 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

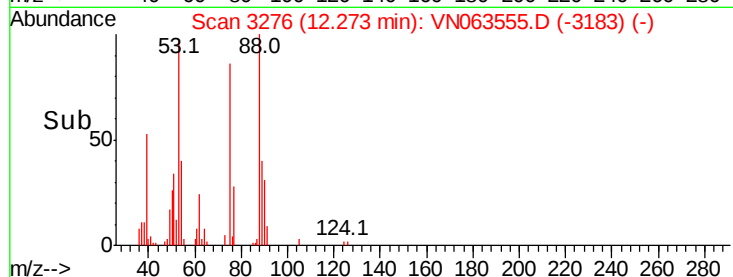
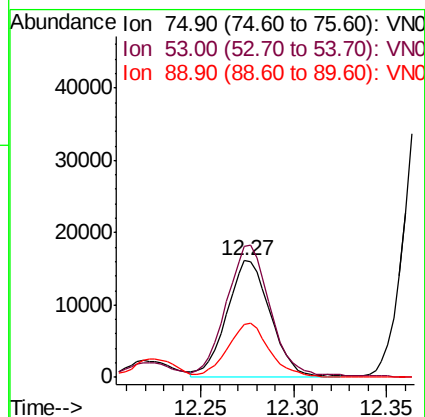
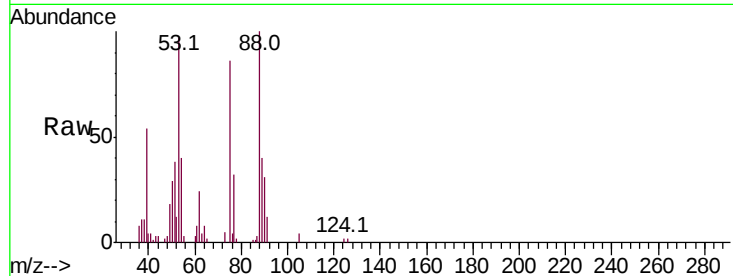
Tot Ion: 75 Resp: 26106

Ion Ratio Lower Upper

75 100

53 113.3 85.7 128.5

89 45.2 38.0 57.0



#82

4-Chlorotoluene

Concen: 20.255 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063555.D

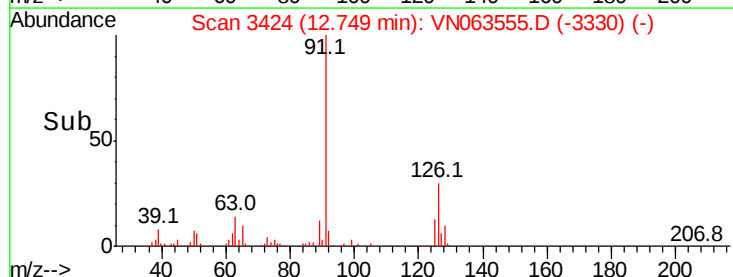
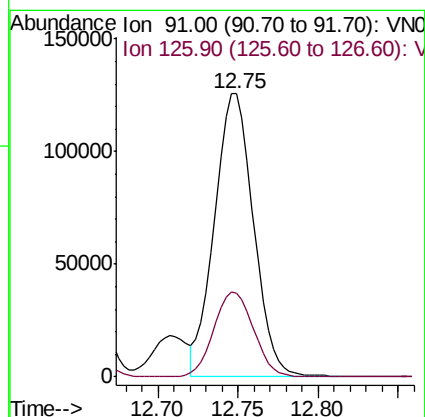
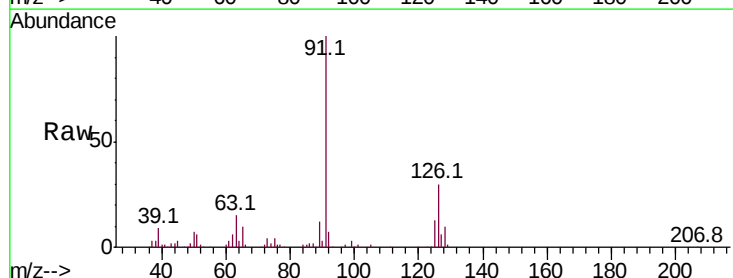
Acq: 23 Sep 2020 1:16

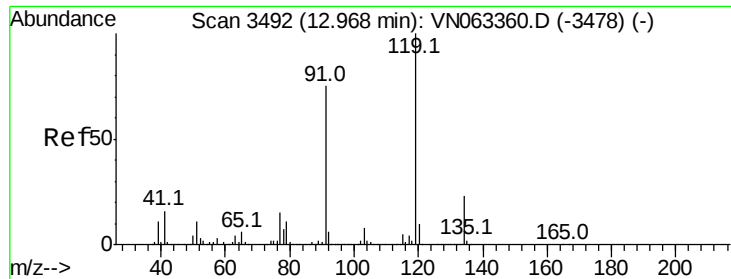
Tgt Ion: 91 Resp: 210232

Ion Ratio Lower Upper

91 100

126 30.3 15.5 46.5





#83

tert-Butylbenzene

Concen: 19.935 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

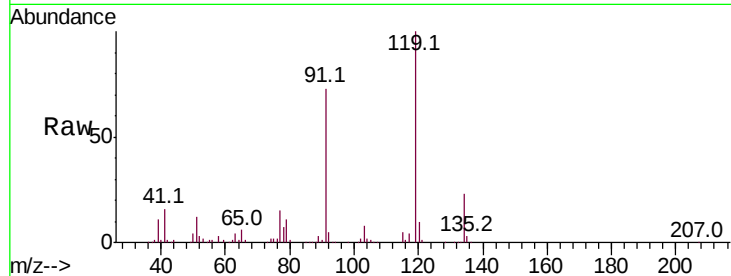
Tot Ion:119 Resp: 193037

Ion Ratio Lower Upper

119 100

91 72.9 36.3 108.9

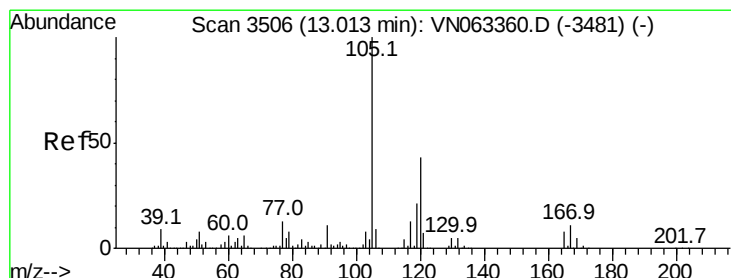
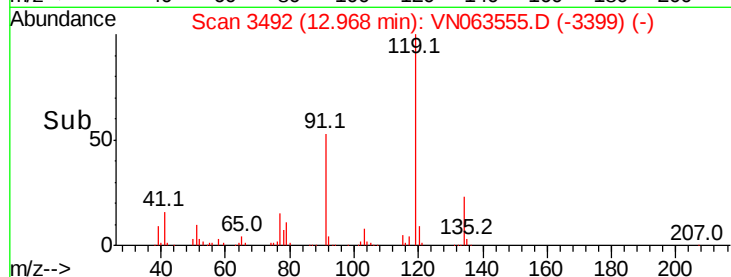
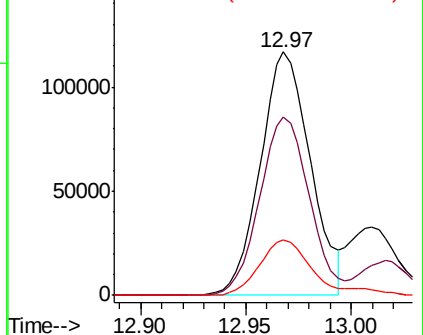
134 22.8 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.486 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN063555.D

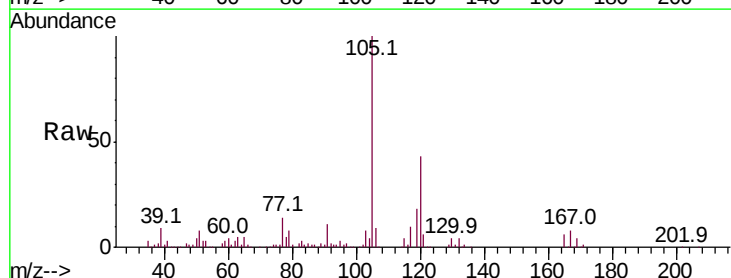
Acq: 23 Sep 2020 1:16

Tgt Ion:105 Resp: 242778

Ion Ratio Lower Upper

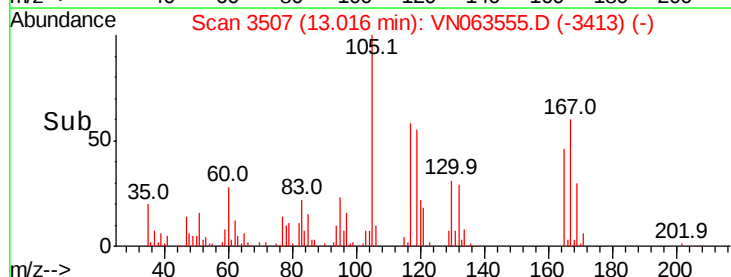
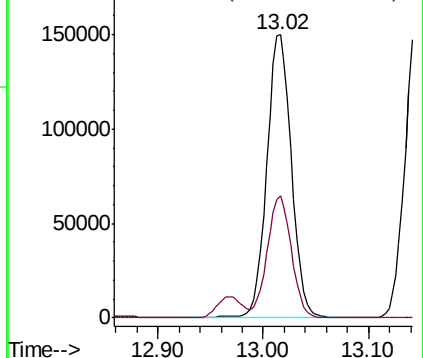
105 100

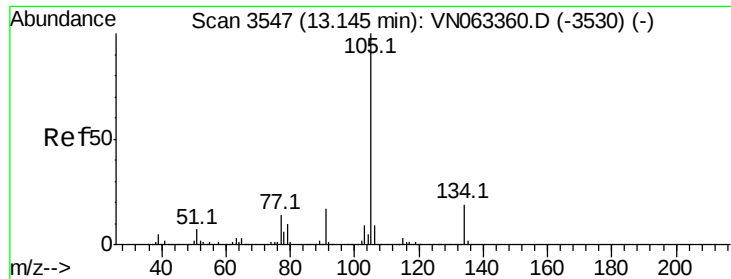
120 42.0 21.3 63.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.030 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

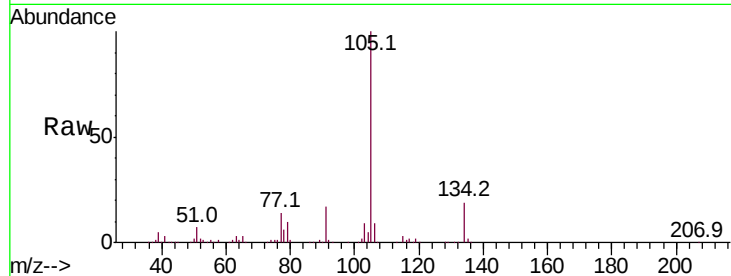
VN0922WBS02

Tot Ion:105 Resp: 259621

Ion Ratio Lower Upper

105 100

134 18.6 9.3 27.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

150000

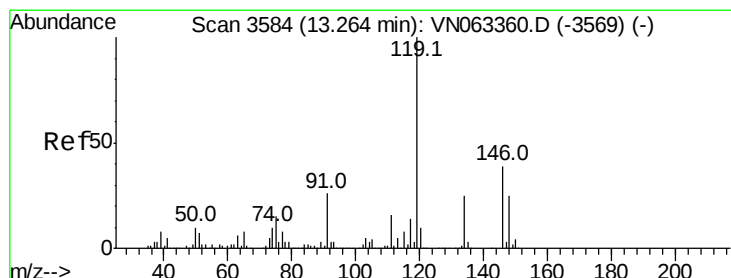
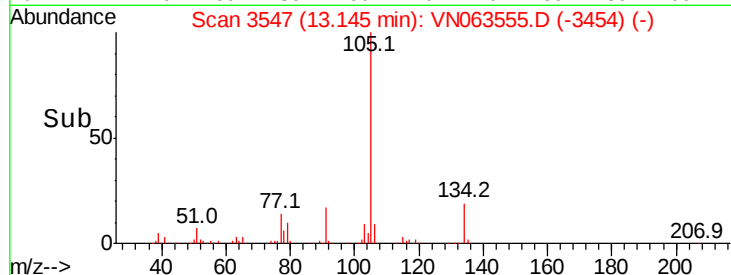
100000

50000

0

Time-->

13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 19.936 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

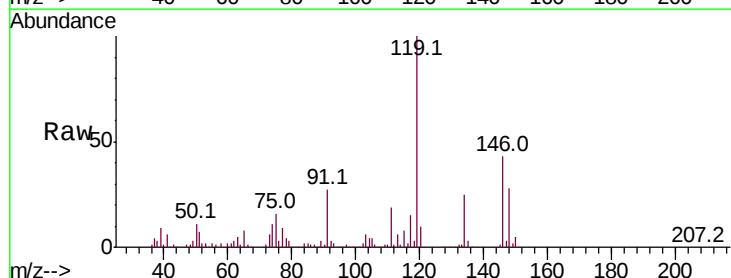
Tgt Ion:119 Resp: 227919

Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 26.7 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

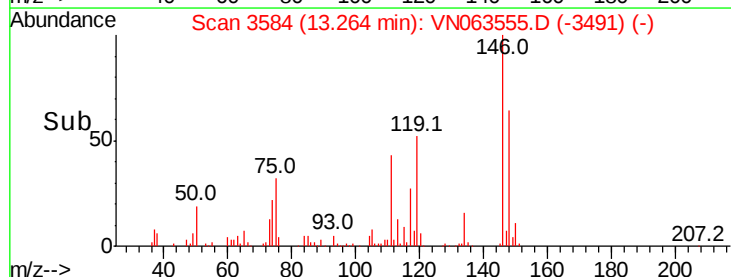
100000

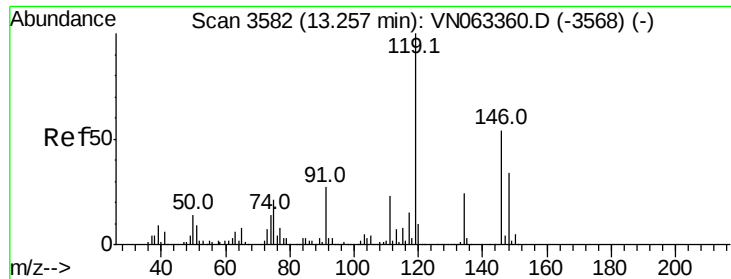
50000

0

Time-->

13.20 13.30 13.40





#87

1,3-Dichlorobenzene

Concen: 20.386 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

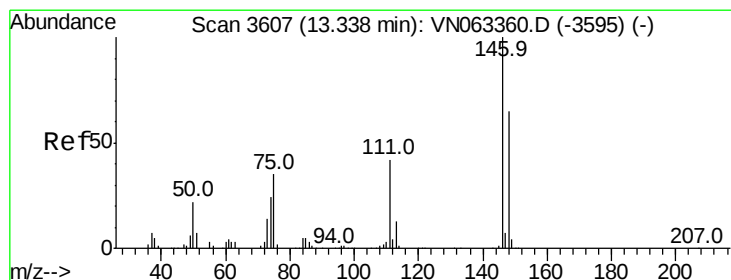
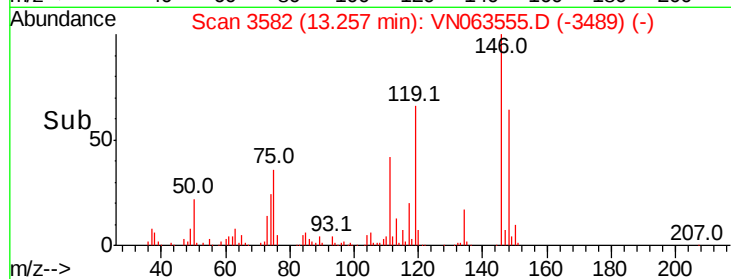
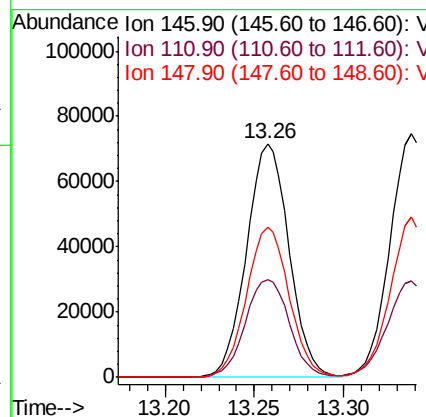
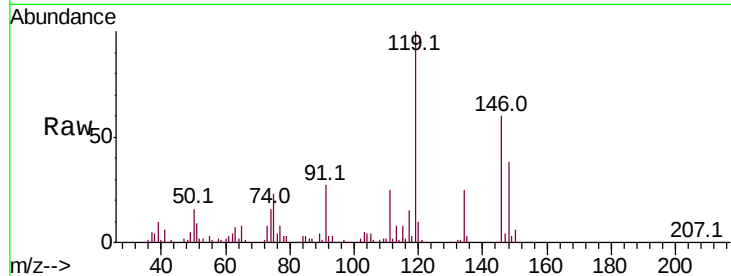
Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
VN0922WBS02

Tot Ion:146 Resp: 119589

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.4	64.3
148	64.5	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 20.463 ug/l

RT: 13.34 min Scan# 3607

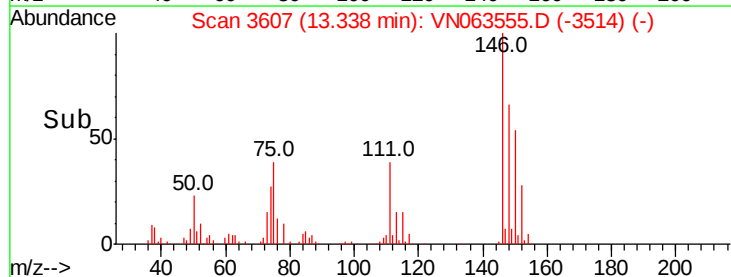
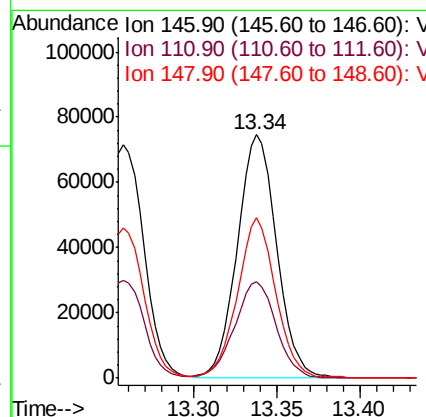
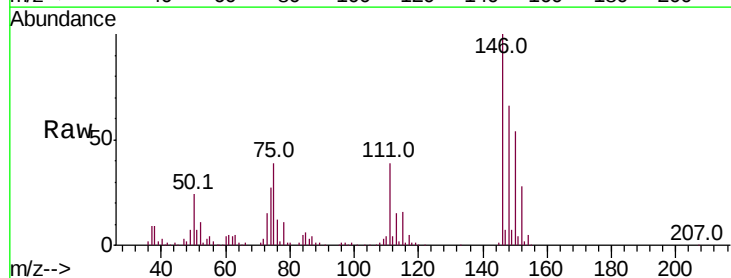
Delta R.T. -0.00 min

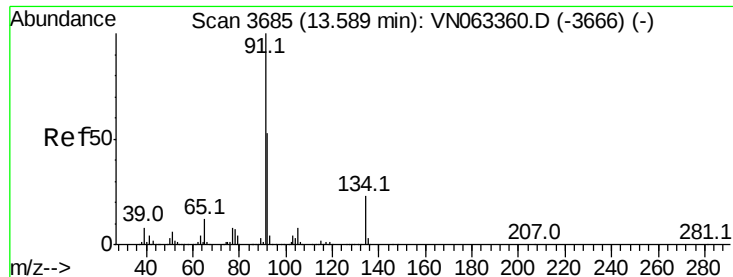
Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Tgt Ion:146 Resp: 122045

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.2	63.6
148	64.1	31.9	95.9





#89

n-Butylbenzene

Concen: 18.906 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

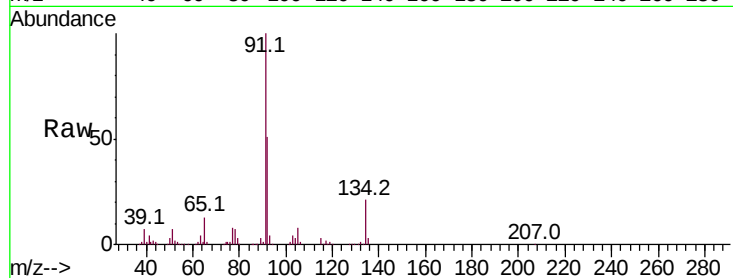
Tot Ion: 91 Resp: 199229

Ion Ratio Lower Upper

91 100

92 51.4 26.0 78.0

134 22.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3666) (-)

Ion 92.00 (91.70 to 92.70): VN063360.D (-3666) (-)

Ion 134.00 (133.70 to 134.70): VN063360.D (-3666) (-)

13.59

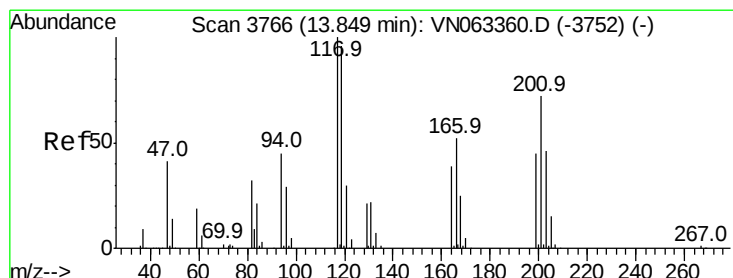
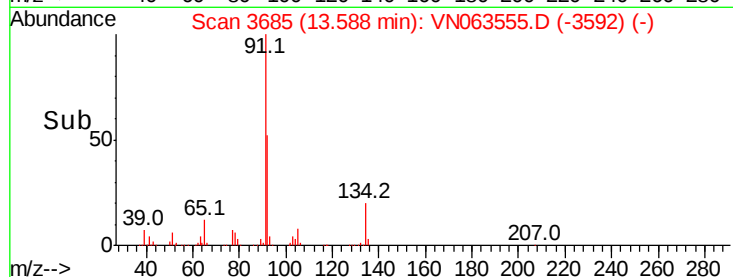
150000

100000

50000

0

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 18.509 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN063555.D

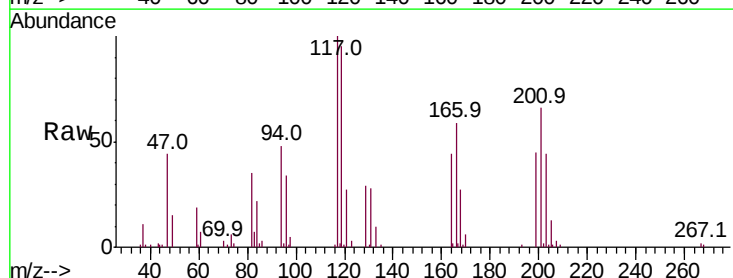
Acq: 23 Sep 2020 1:16

Tgt Ion: 117 Resp: 40293

Ion Ratio Lower Upper

117 100

201 66.9 35.5 106.7



Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN063360.D (-3752) (-)

13.85

25000

20000

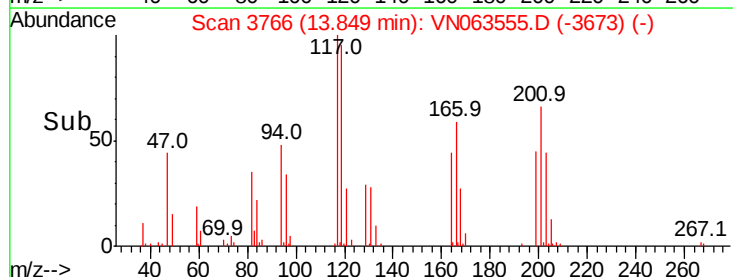
15000

10000

5000

0

Time--> 13.80 13.85 13.90

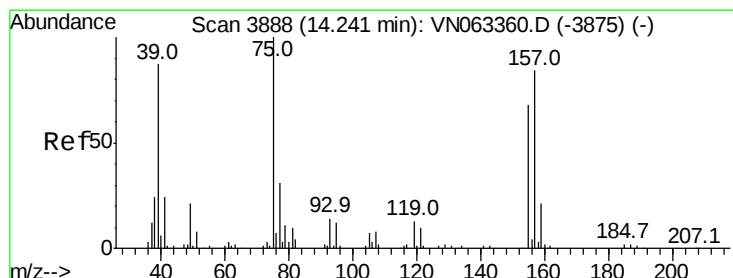
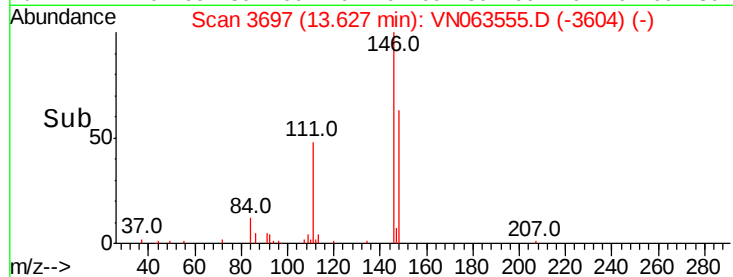
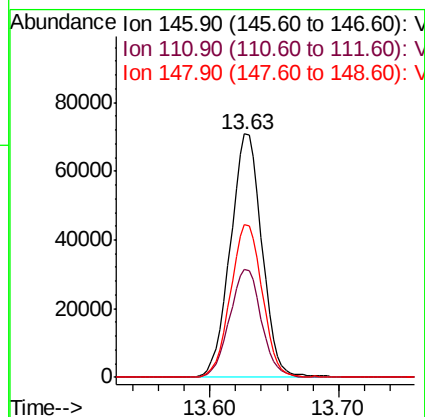
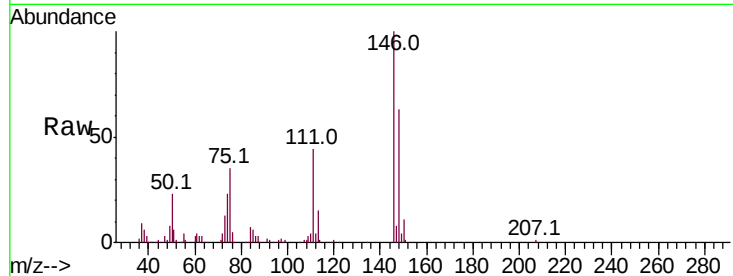




#91
 1,2-Dichlorobenzene
 Concen: 20.928 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

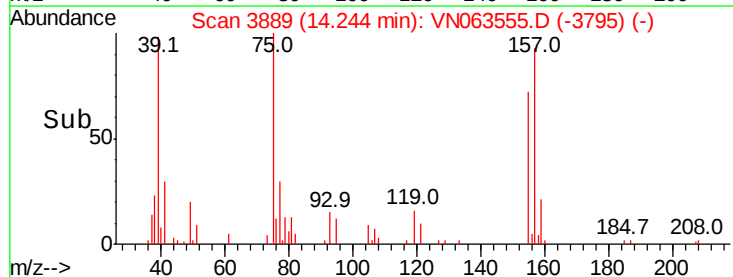
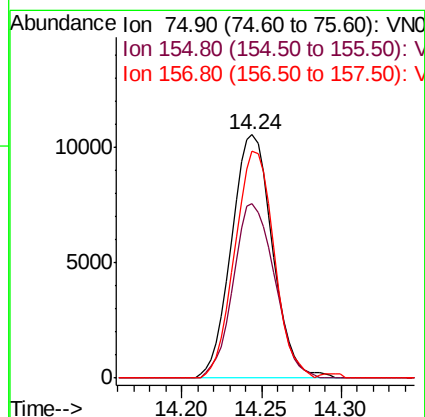
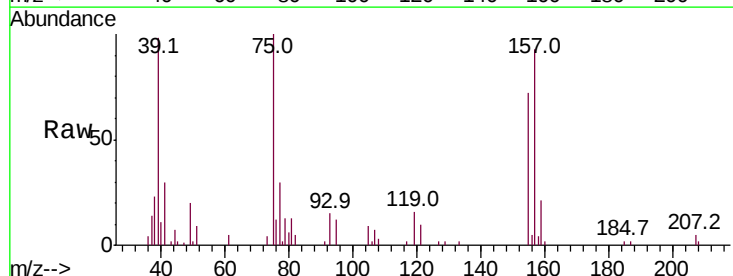
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

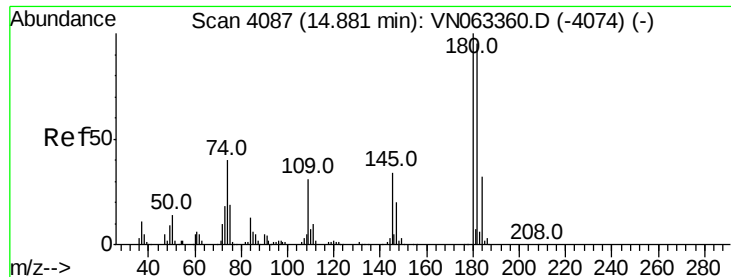
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.2
148	62.9	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.791 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	34.6	103.9
157	89.1	43.7	131.1

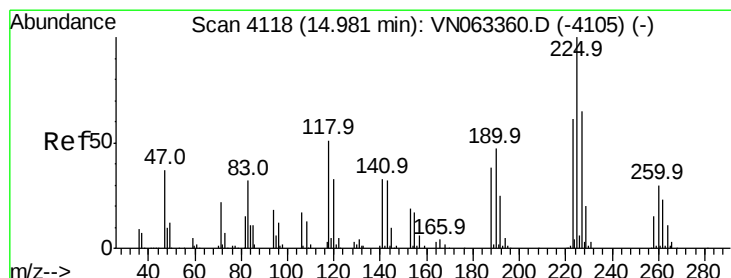
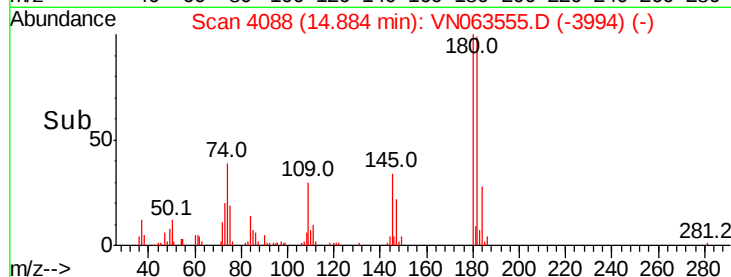
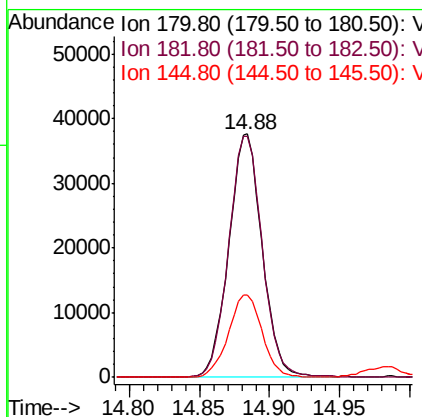
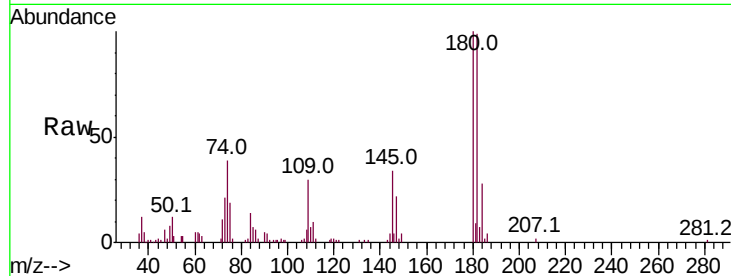




#93
 1,2,4-Trichlorobenzene
 Concen: 18.309 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

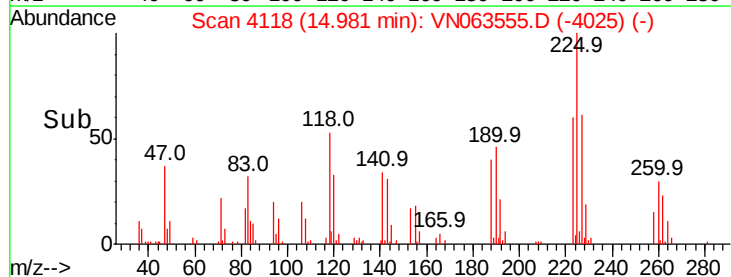
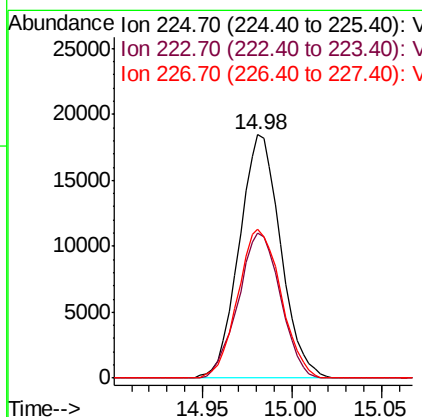
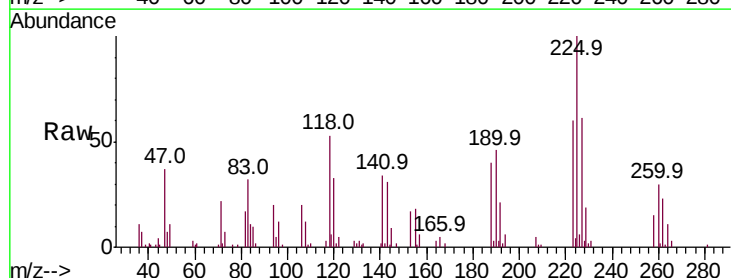
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0922WBS02

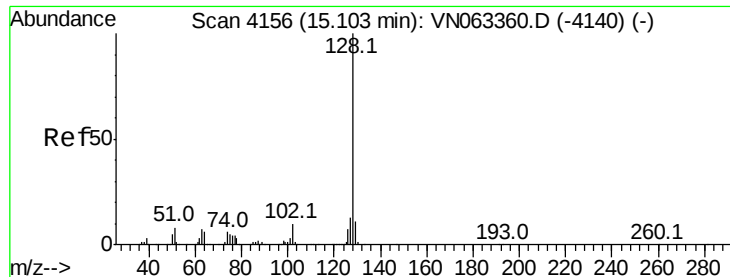
Tot Ion:180 Resp: 62166
 Ion Ratio Lower Upper
 180 100
 182 100.4 47.3 142.0
 145 34.2 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 21.243 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063555.D
 Acq: 23 Sep 2020 1:16

Tgt Ion:225 Resp: 29860
 Ion Ratio Lower Upper
 225 100
 223 60.7 30.6 91.6
 227 63.7 31.2 93.6





#95

Naphthalene

Concen: 18.469 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

VN0922WBS02

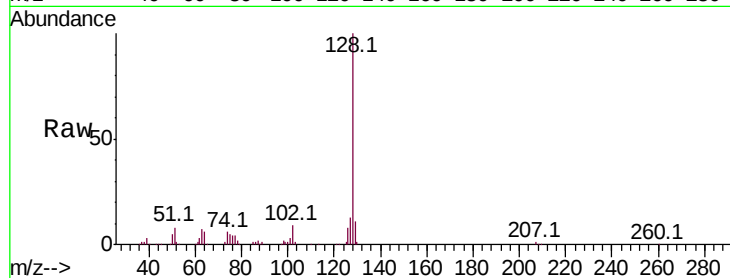
Tot Ion:128 Resp: 207173

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

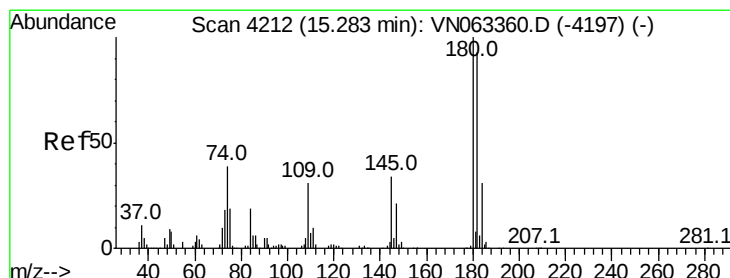
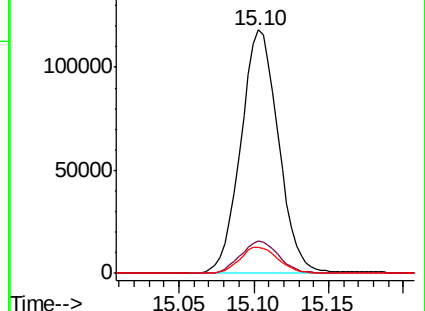
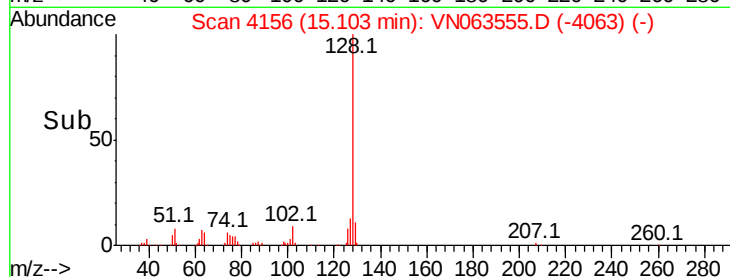
129 10.9 8.8 13.2



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: 19.282 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063555.D

Acq: 23 Sep 2020 1:16

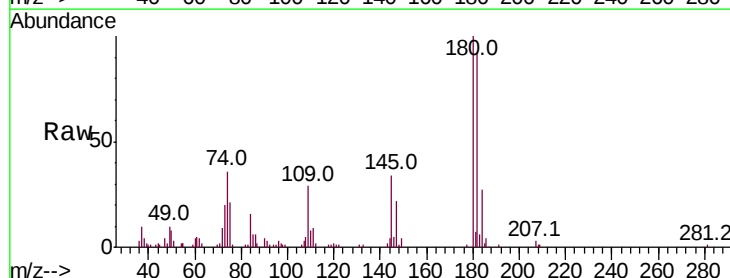
Tgt Ion:180 Resp: 63255

Ion Ratio Lower Upper

180 100

182 94.1 46.7 140.1

145 34.6 16.8 50.3



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

