

Data File : VN064100.D
Acq On : 13 Oct 2020 14:35
Operator : JC/MD
Sample : VN1013WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Quant Time: Oct 14 02:55:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	244328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	413209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	377425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	170741	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	192970	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.55	113	138271	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
50) Toluene-d8	10.06	98	513113	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
62) 4-Bromofluorobenzene	12.38	95	186481	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	39387	15.278	ug/l	100
3) Chloromethane	2.04	50	53473	17.677	ug/l	98
4) Vinyl Chloride	2.16	62	51446	16.943	ug/l	99
5) Bromomethane	2.53	94	33546	17.564	ug/l	100
6) Chloroethane	2.67	64	33892	18.679	ug/l	100
7) Trichlorofluoromethane	2.98	101	85377	17.728	ug/l	97
8) Diethyl Ether	3.37	74	32081	19.697	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47091	18.295	ug/l	99
10) Methyl Iodide	3.91	142	54062	18.089	ug/l	99
11) Tert butyl alcohol	4.74	59	55281	124.049	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	45401	18.453	ug/l	92
13) Acrolein	3.57	56	25233	92.257	ug/l	99
14) Allyl chloride	4.28	41	92879	20.320	ug/l	91
15) Acrylonitrile	4.93	53	145851	114.338	ug/l	99
16) Acetone	3.77	43	143209	115.254	ug/l	100
17) Carbon Disulfide	4.01	76	113963	17.598	ug/l	96
18) Methyl Acetate	4.28	43	82722	25.641	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	170995	19.130	ug/l	99
20) Methylene Chloride	4.50	84	57861	20.388	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	48992	17.778	ug/l	99
22) Diisopropyl ether	5.90	45	200791	21.351	ug/l	96
23) Vinyl Acetate	5.84	43	810888	104.093	ug/l	100
24) 1,1-Dichloroethane	5.80	63	106949	19.890	ug/l	99
25) 2-Butanone	6.79	43	211374	119.987	ug/l	97
26) 2,2-Dichloropropane	6.77	77	91794	18.642	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	57897	18.267	ug/l	95
28) Bromochloromethane	7.15	49	53487	20.126	ug/l	97
29) Tetrahydrofuran	7.16	42	143400	121.369	ug/l	96
30) Chloroform	7.33	83	109912	19.604	ug/l	94
31) Cyclohexane	7.61	56	84321	17.994	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	96944	19.170	ug/l	98
36) 1,1-Dichloropropene	7.75	75	75815	18.111	ug/l	98
37) Ethyl Acetate	6.88	43	88183	21.203	ug/l	100
38) Carbon Tetrachloride	7.73	117	81711	17.407	ug/l	94

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	66559	15.944	ug/l	91
40) Benzene	8.00	78	225479	18.858	ug/l	98
41) Methacrylonitrile	7.16	41	134033	72.511	ug/l #	37
42) 1,2-Dichloroethane	8.08	62	93358	18.291	ug/l	98
43) Isopropyl Acetate	8.13	43	145219	21.168	ug/l #	91
44) Trichloroethene	8.80	130	56589	18.063	ug/l	98
45) 1,2-Dichloropropane	9.08	63	62999	19.509	ug/l	98
46) Dibromomethane	9.18	93	41221	18.504	ug/l	98
47) Bromodichloromethane	9.37	83	87066	18.964	ug/l	97
48) Methyl methacrylate	9.17	41	71489	21.092	ug/l	90
49) 1,4-Dioxane	9.16	88	21527	446.893	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	460576	114.404	ug/l	100
52) Toluene	10.13	92	138884	18.779	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	90648	18.419	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	99425	19.318	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	57471	19.377	ug/l	97
56) Ethyl methacrylate	10.40	69	83173	19.784	ug/l	94
57) 1,3-Dichloropropane	10.68	76	98140	19.558	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	223746	99.495	ug/l	100
59) 2-Hexanone	10.72	43	328652	109.893	ug/l	98
60) Dibromochloromethane	10.87	129	65184	18.872	ug/l	99
61) 1,2-Dibromoethane	10.98	107	58221	19.190	ug/l	98
64) Tetrachloroethene	10.60	164	51814	17.744	ug/l	98
65) Chlorobenzene	11.41	112	146670	18.944	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.48	131	58272	19.633	ug/l	99
67) Ethyl Benzene	11.48	91	258799	18.370	ug/l	99
68) m/p-Xylenes	11.60	106	189262	36.046	ug/l	99
69) o-Xylene	11.92	106	91697	18.685	ug/l	97
70) Styrene	11.94	104	152915	18.356	ug/l	99
71) Bromoform	12.10	173	43757	19.276	ug/l #	97
73) Isopropylbenzene	12.23	105	240587	19.318	ug/l	99
74) N-amyl acetate	12.05	43	115007	21.204	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	85083	22.342	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	115548	30.700	ug/l #	100
77) Bromobenzene	12.50	156	61619	20.164	ug/l	96
78) n-propylbenzene	12.57	91	273560	18.874	ug/l	99
79) 2-Chlorotoluene	12.65	91	172333	19.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	205718	19.690	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.28	75	27667	21.171	ug/l	98
82) 4-Chlorotoluene	12.75	91	179470	19.395	ug/l	99
83) tert-Butylbenzene	12.97	119	163745	19.160	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	199765	19.150	ug/l	96
85) sec-Butylbenzene	13.15	105	212103	18.896	ug/l	99
86) p-Isopropyltoluene	13.26	119	184655	18.595	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	102367	18.517	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	102871	17.871	ug/l	99
89) n-Butylbenzene	13.59	91	147529	16.097	ug/l	97
90) Hexachloroethane	13.85	117	37634	19.558	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	105691	19.302	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18272	20.459	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101320\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	42265	15.438	ug/l	95
94) Hexachlorobutadiene	14.98	225	27289	18.423	ug/l	96
95) Naphthalene	15.10	128	121998	14.657	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	41526	15.497	ug/l	100

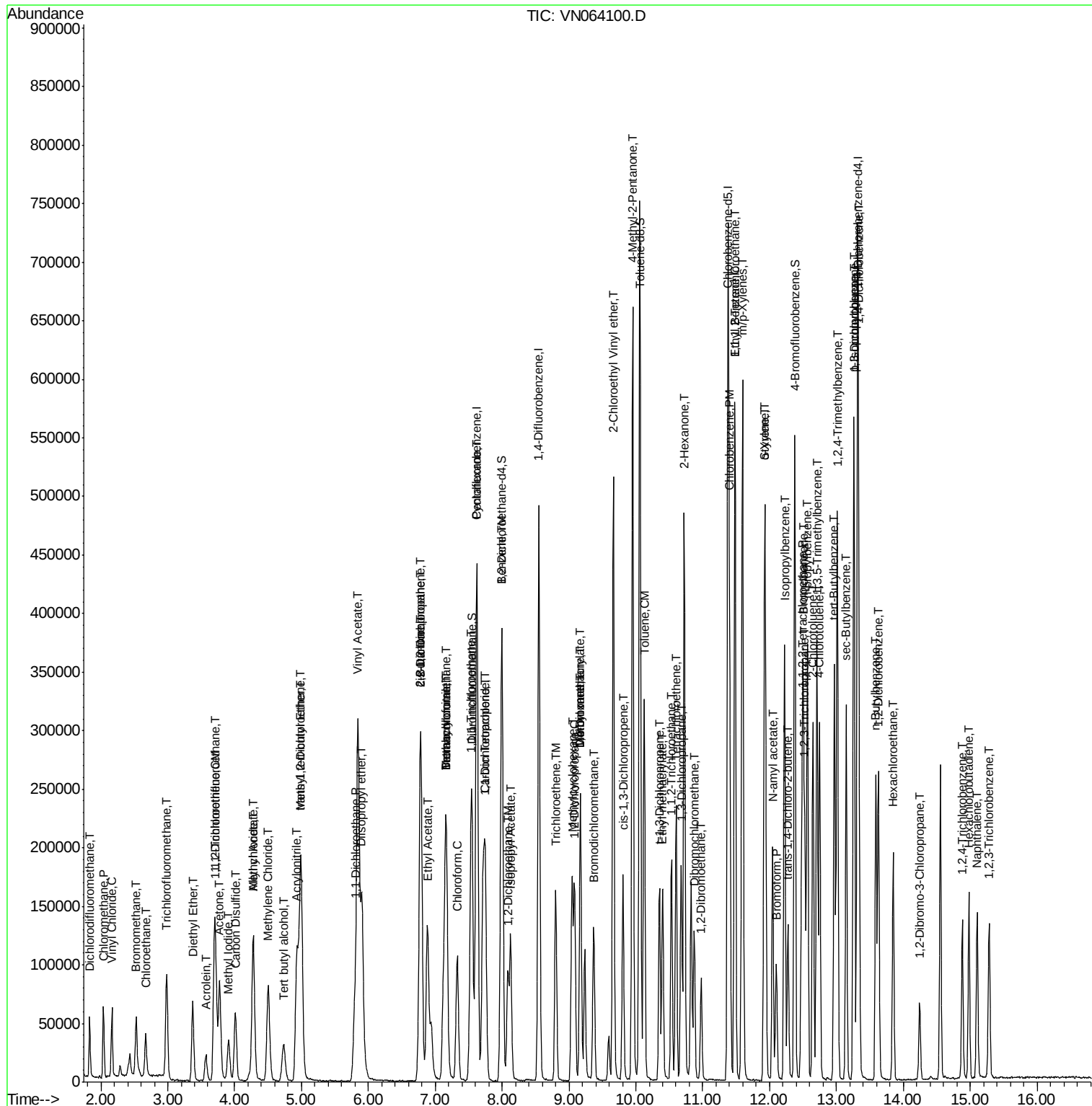
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Data File : VN064100.D

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Operator     : JC/MD
Sample       : VN1013WBS01
Misc         : 5.00mL/MSV0A_N/WATER
ALS Vial     : 6      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Quant Time: Oct 14 02:55:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

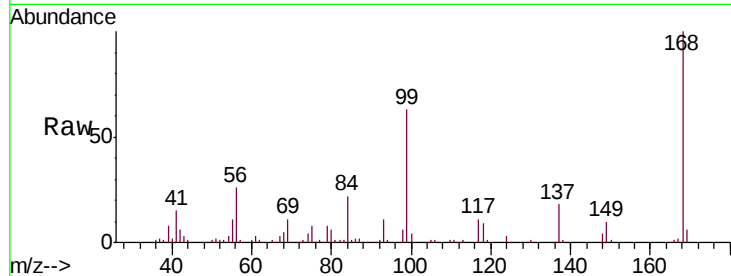
VN1013WBS01

Tgt Ion:168 Resp: 244328

Ion Ratio Lower Upper

168 100

99 62.3 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

60000

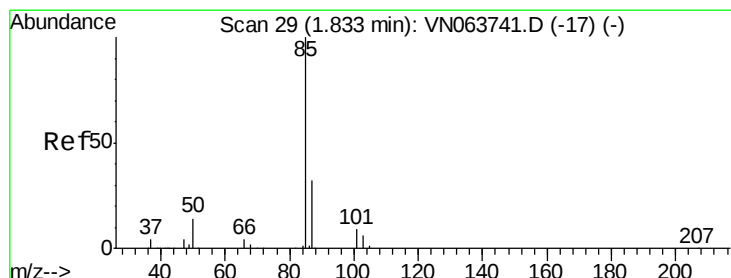
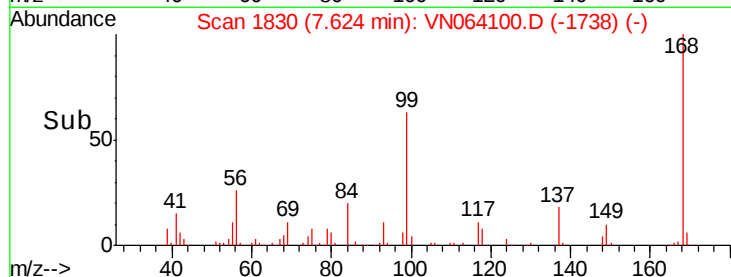
40000

20000

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Time-->

7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 15.278 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064100.D

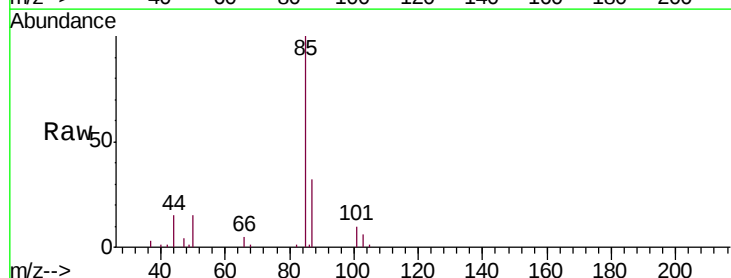
Acq: 13 Oct 2020 14:35

Tgt Ion: 85 Resp: 39387

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

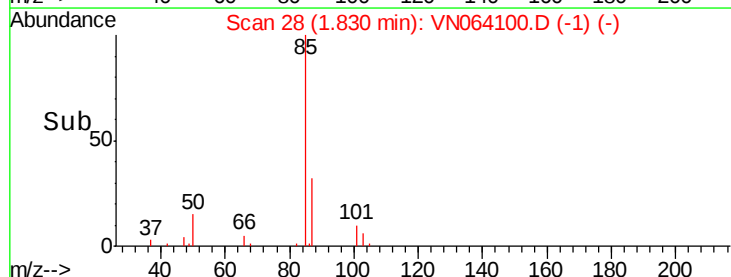
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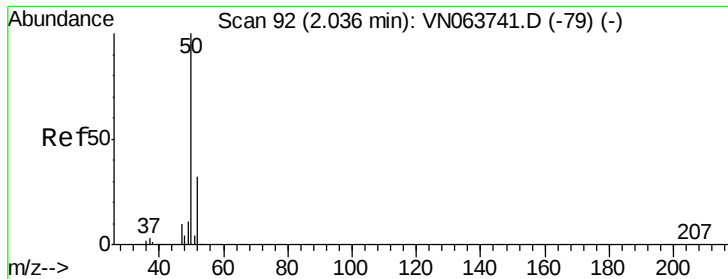
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0

Time-->

1.80 1.85 1.90





#3

Chloromethane

Concen: 17.677 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

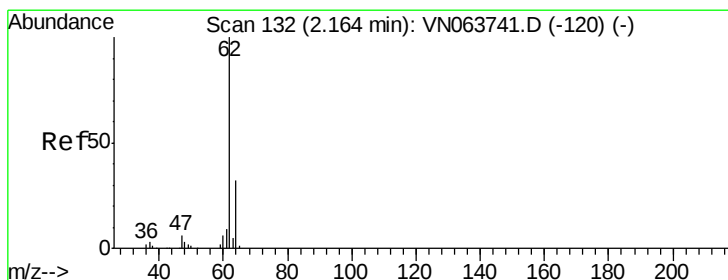
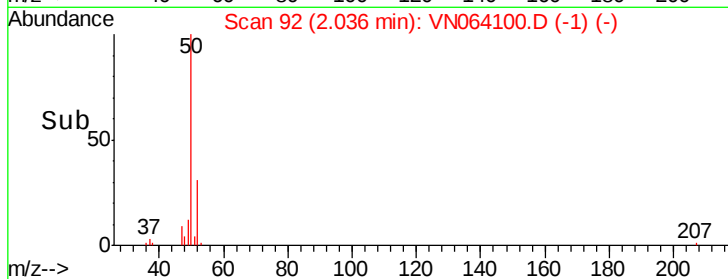
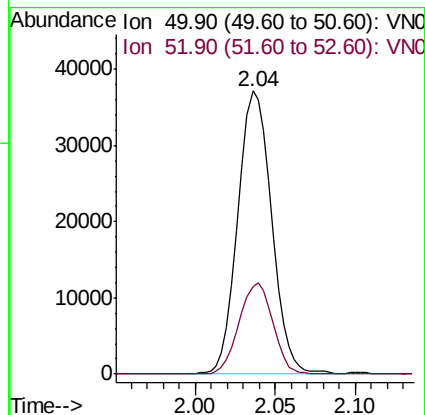
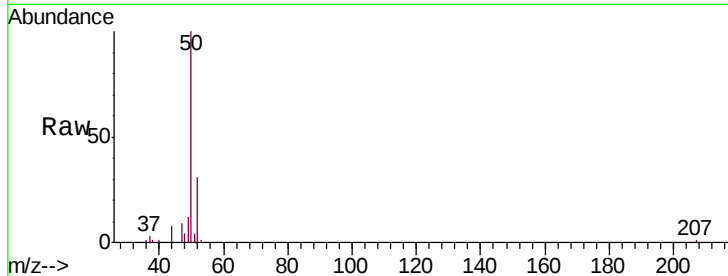
VN1013WBS01

Tgt Ion: 50 Resp: 53473

Ion Ratio Lower Upper

50 100

52 31.1 25.8 38.8



#4

Vinyl Chloride

Concen: 16.943 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064100.D

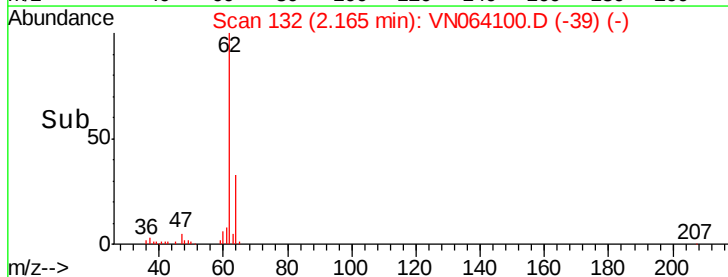
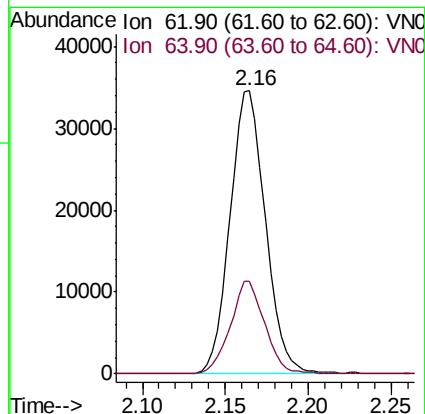
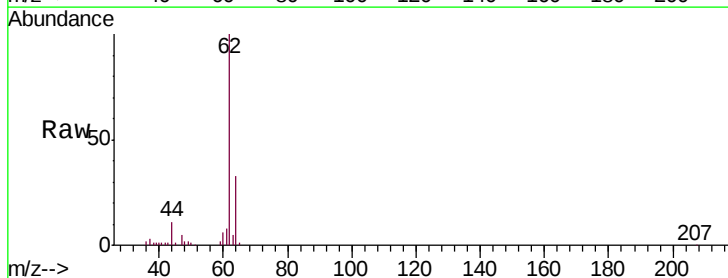
Acq: 13 Oct 2020 14:35

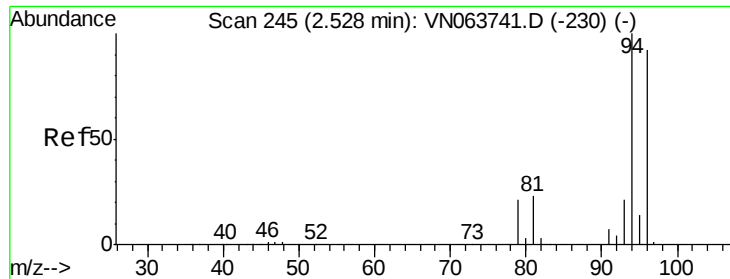
Tgt Ion: 62 Resp: 51446

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4

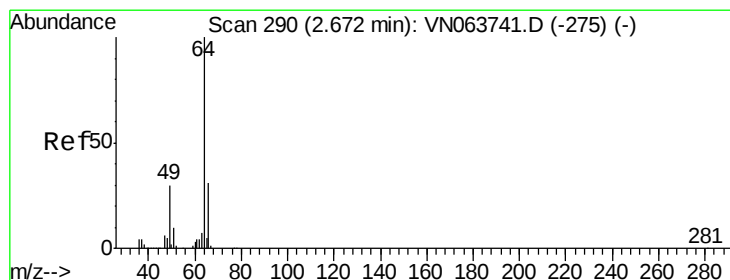
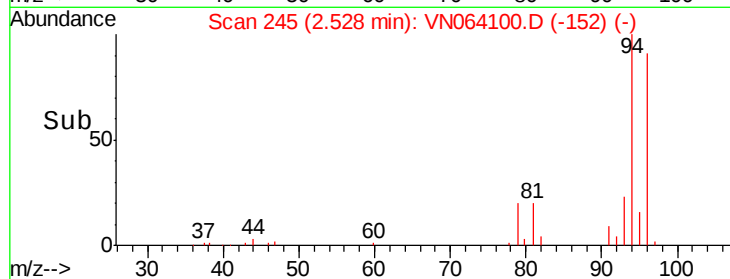
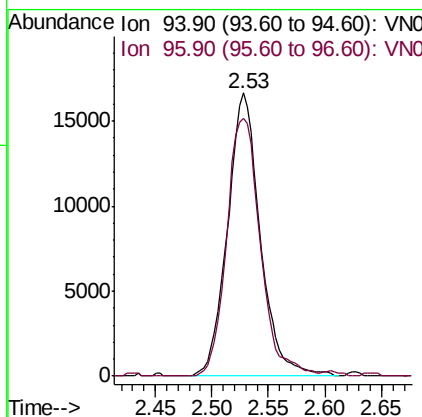
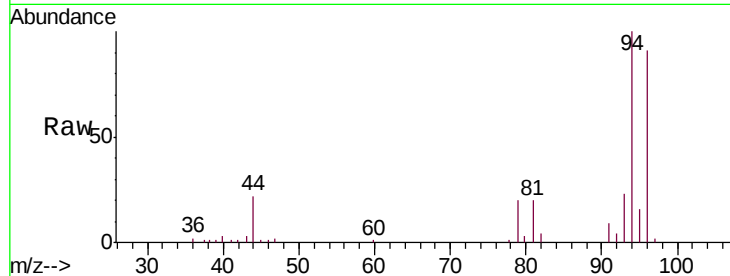




#5
 Bromomethane
 Concen: 17.564 ug/l
 RT: 2.53 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

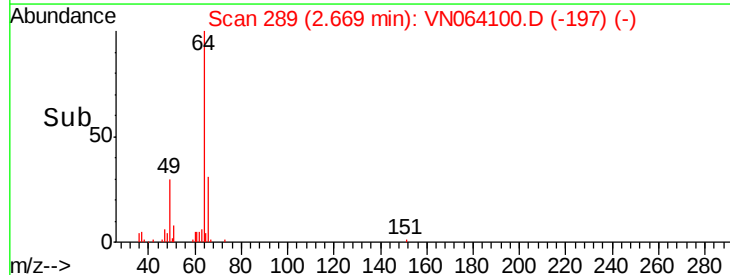
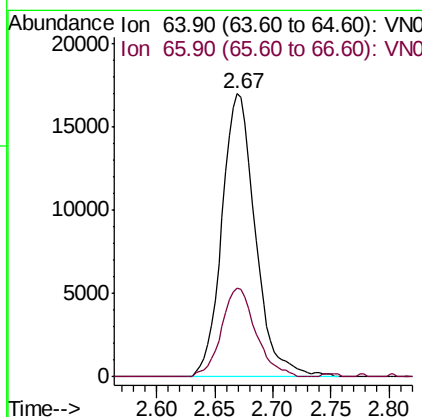
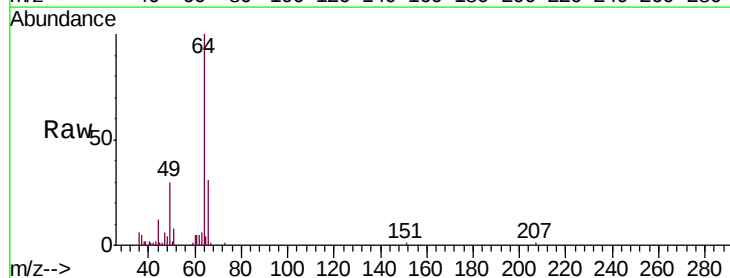
Instrument :
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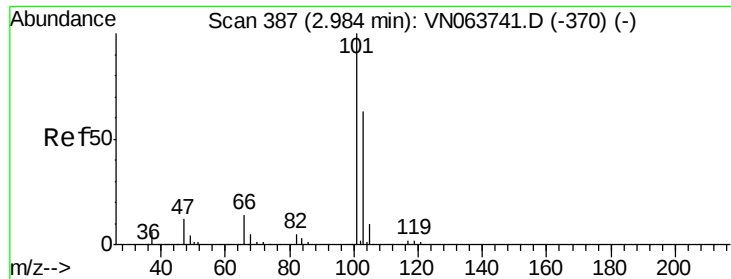
Tgt Ion: 94 Resp: 33546
 Ion Ratio Lower Upper
 94 100
 96 91.2 73.3 109.9



#6
 Chloroethane
 Concen: 18.679 ug/l
 RT: 2.67 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion: 64 Resp: 33892
 Ion Ratio Lower Upper
 64 100
 66 31.3 25.1 37.7



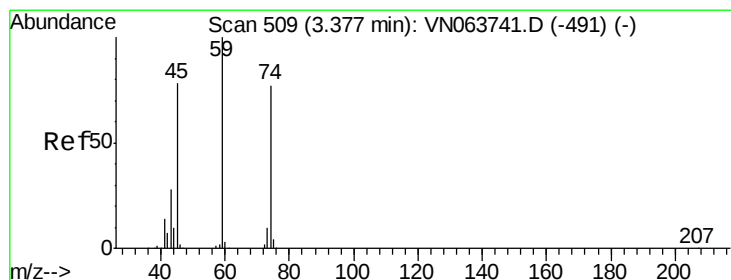
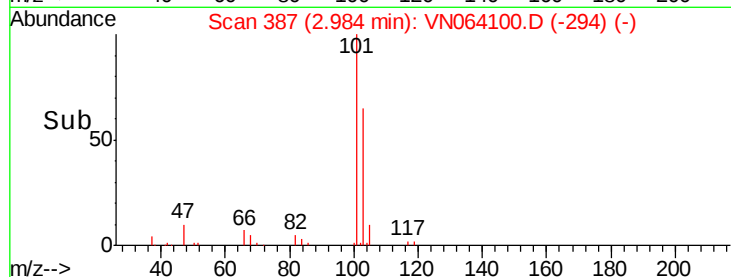
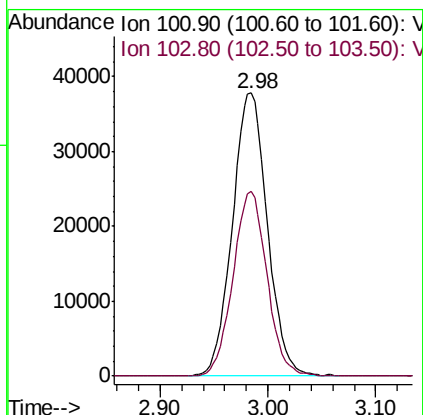
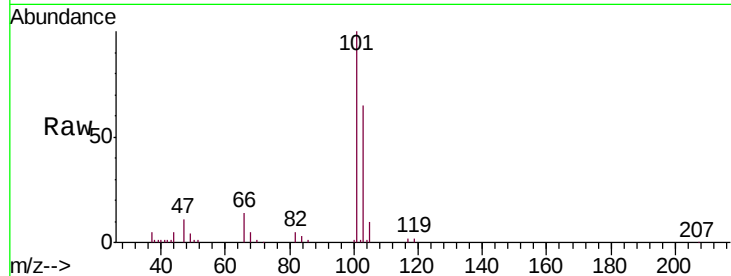


#7

Trichlorofluoromethane
 Concen: 17.728 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
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 ClientSampleId :
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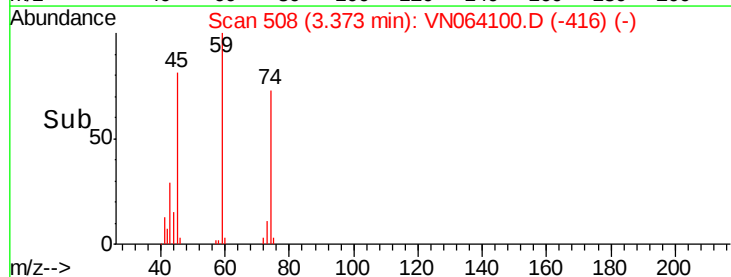
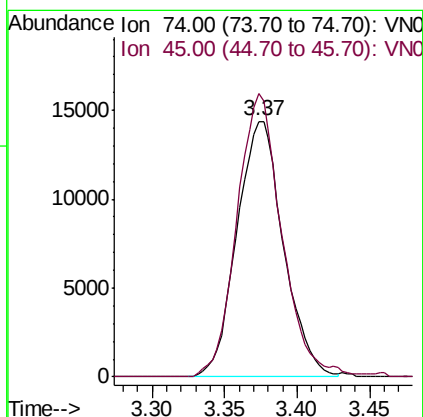
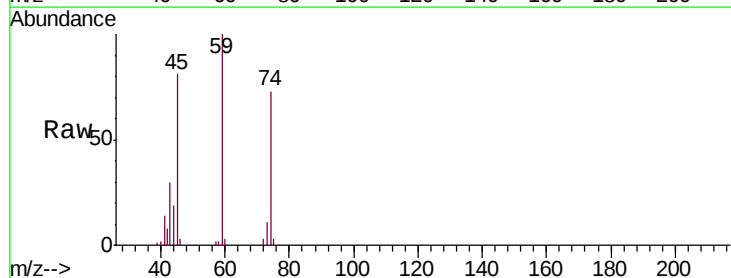
Tgt Ion:101 Resp: 85377
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.7 76.1



#8

Diethyl Ether
 Concen: 19.697 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion: 74 Resp: 32081
 Ion Ratio Lower Upper
 74 100
 45 107.3 50.9 152.8

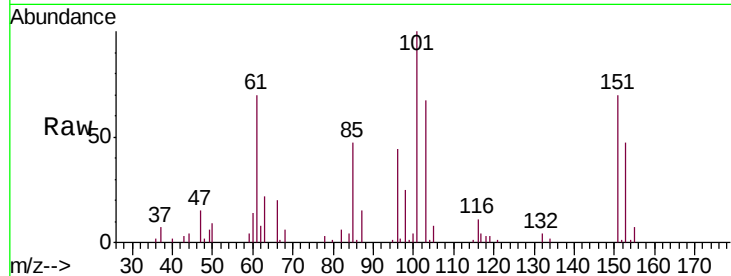




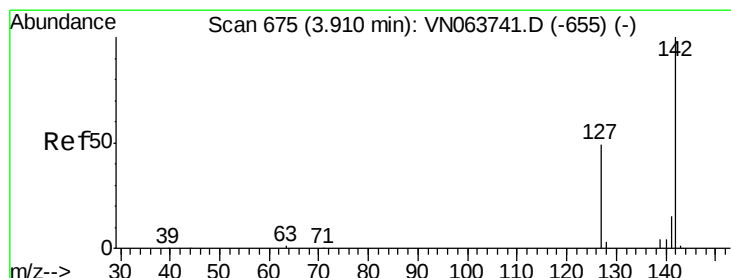
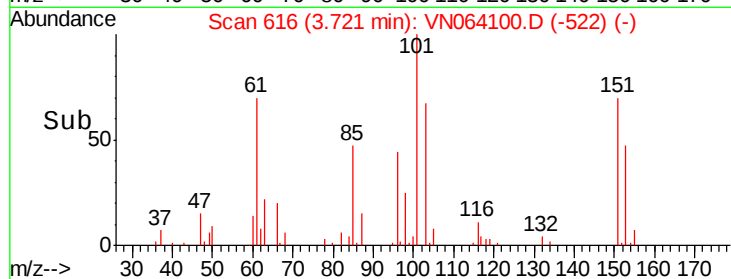
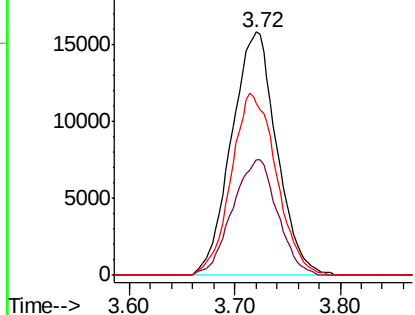
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.295 ug/l
 RT: 3.72 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
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 VN1013WBS01

Tgt Ion:101 Resp: 47091
 Ion Ratio Lower Upper
 101 100
 85 47.5 38.6 58.0
 151 74.7 58.7 88.1

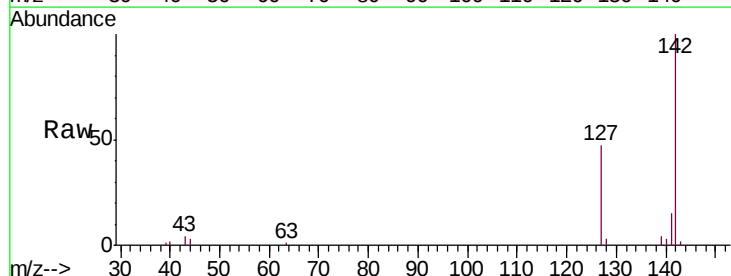


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

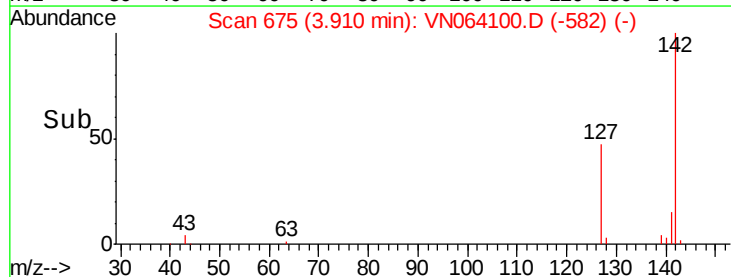
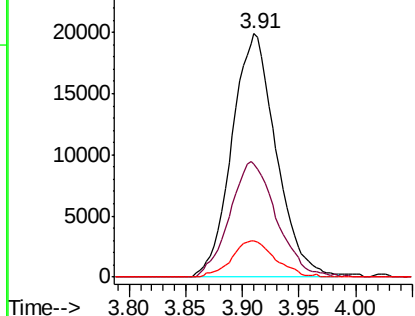


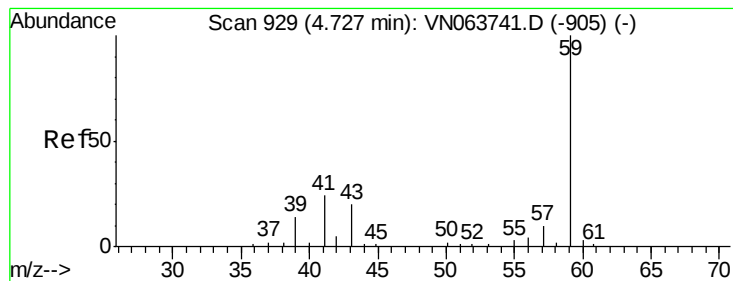
#10
 Methyl Iodide
 Concen: 18.089 ug/l
 RT: 3.91 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion:142 Resp: 54062
 Ion Ratio Lower Upper
 142 100
 127 50.0 40.5 60.7
 141 14.7 11.7 17.5



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



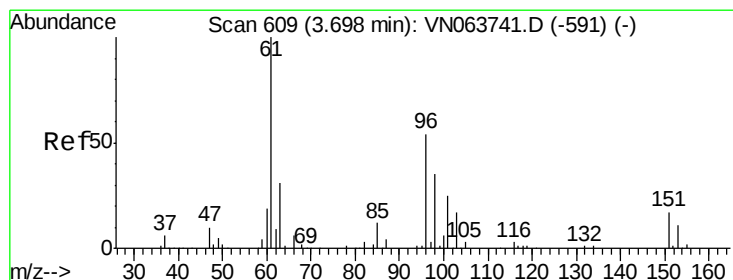
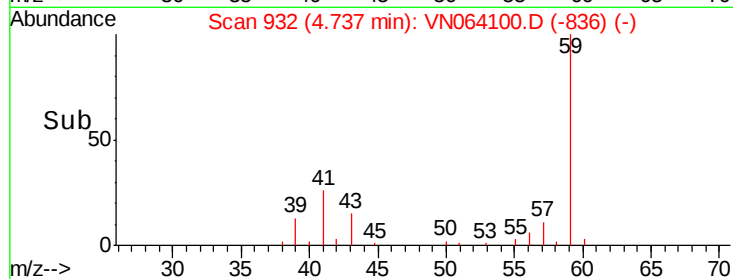
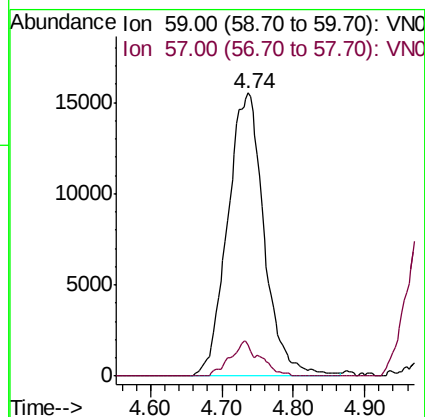
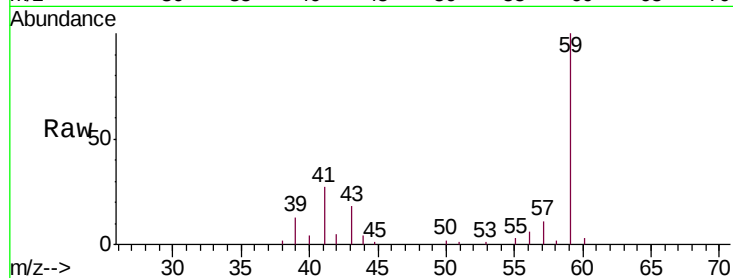


#11

Tert butyl alcohol
 Concen: 124.049 ug/l
 RT: 4.74 min Scan# 932
 Delta R.T. 0.01 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

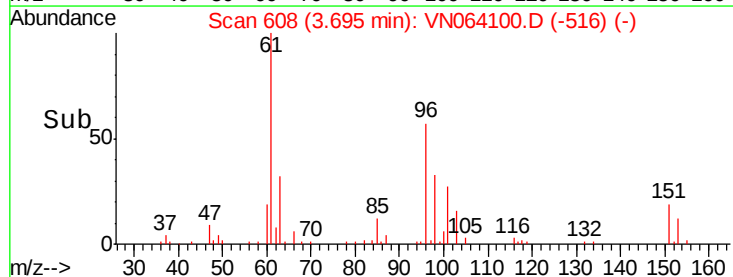
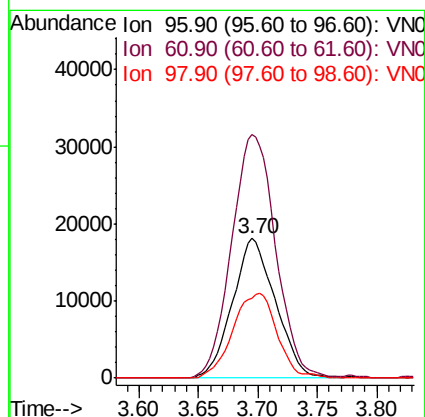
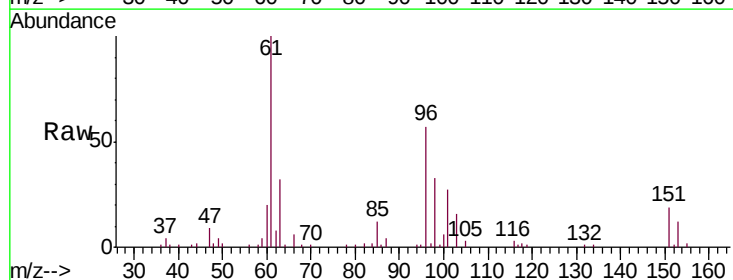
Tgt Ion: 59 Resp: 55281
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.7 13.1#

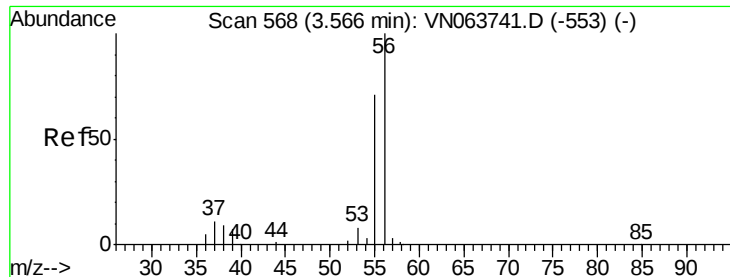


#12

1,1-Dichloroethene
 Concen: 18.453 ug/l
 RT: 3.70 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion: 96 Resp: 45401
 Ion Ratio Lower Upper
 96 100
 61 174.3 147.7 221.5
 98 57.4 51.9 77.9





#13

Acrolein

Concen: 92.257 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

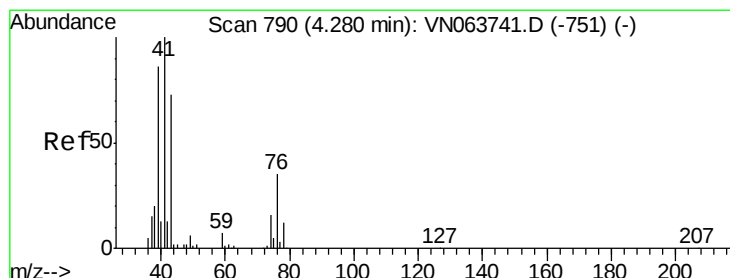
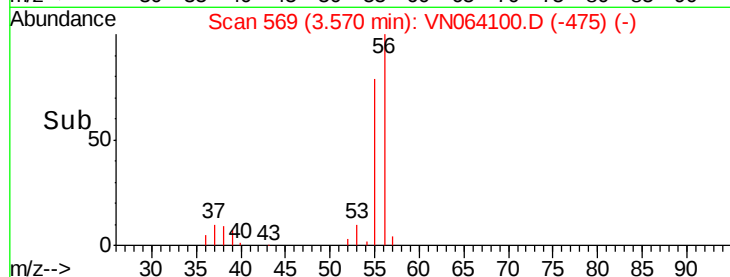
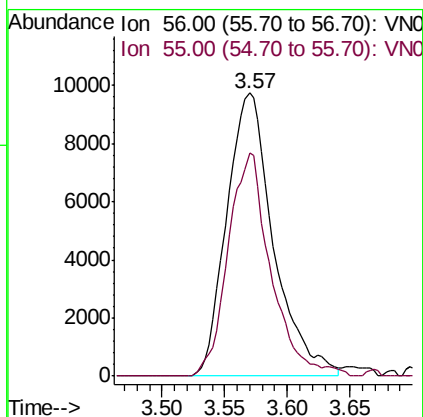
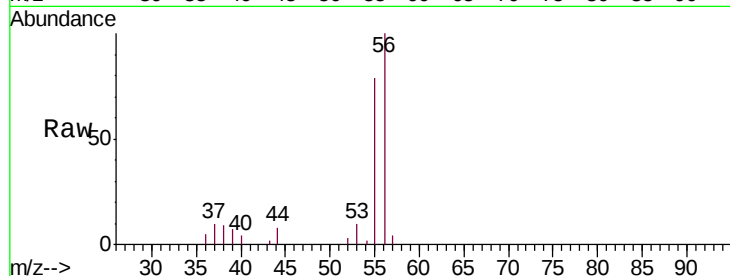
VN1013WBS01

Tgt Ion: 56 Resp: 25233

Ion Ratio Lower Upper

56 100

55 72.0 56.9 85.3



#14

Allyl chloride

Concen: 20.320 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

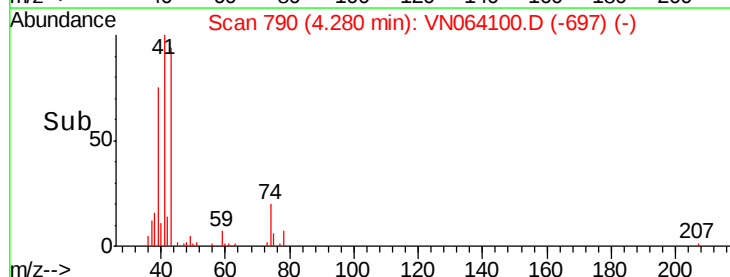
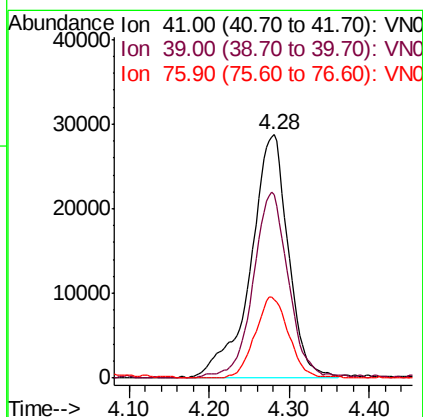
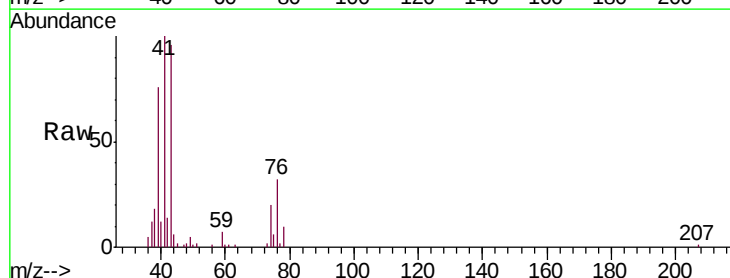
Tgt Ion: 41 Resp: 92879

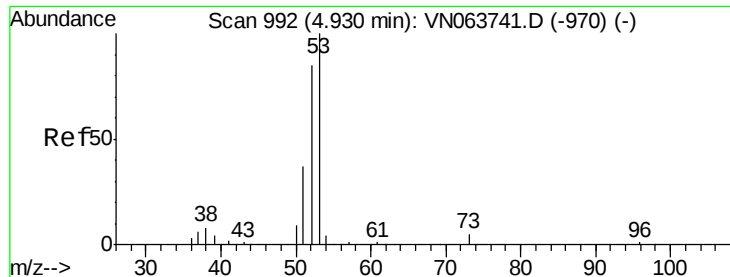
Ion Ratio Lower Upper

41 100

39 71.1 64.5 96.7

76 29.7 25.9 38.9





#15

Acrylonitrile

Concen: 114.338 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

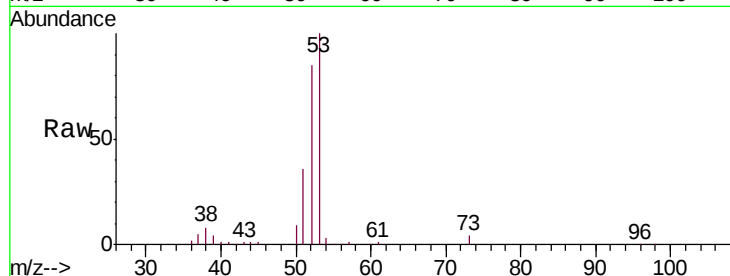
Tgt Ion: 53 Resp: 145851

Ion Ratio Lower Upper

53 100

52 82.1 66.5 99.7

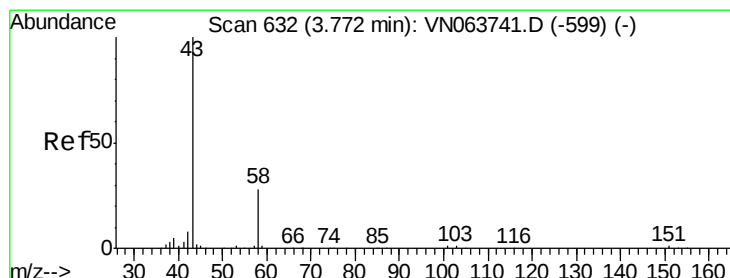
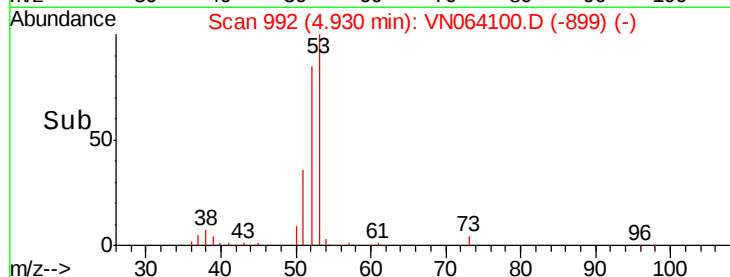
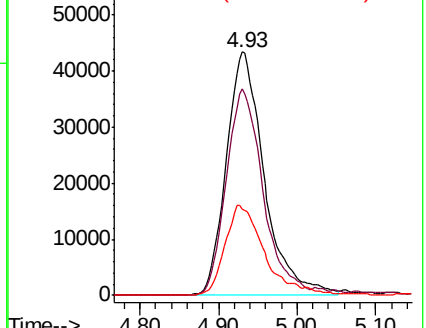
51 38.5 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN064100.D (-899) (-)

Ion 52.00 (51.70 to 52.70): VN064100.D (-899) (-)

Ion 51.00 (50.70 to 51.70): VN064100.D (-899) (-)



#16

Acetone

Concen: 115.254 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064100.D

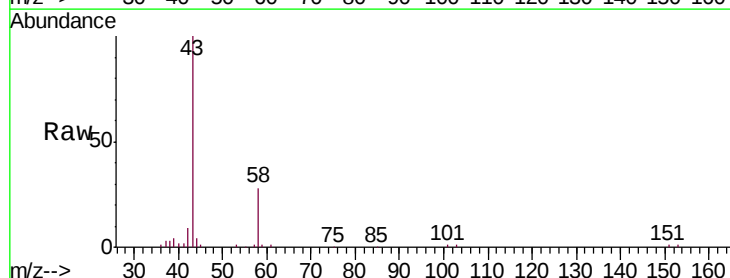
Acq: 13 Oct 2020 14:35

Tgt Ion: 43 Resp: 143209

Ion Ratio Lower Upper

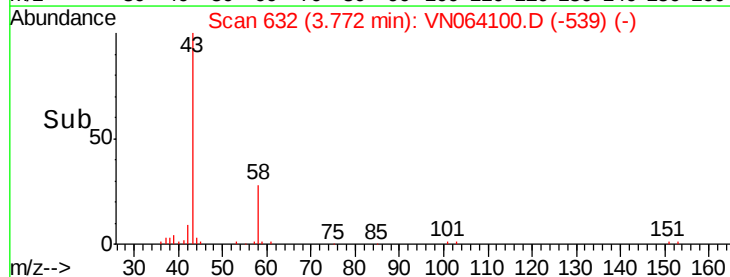
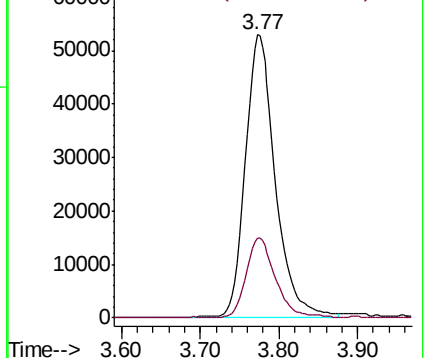
43 100

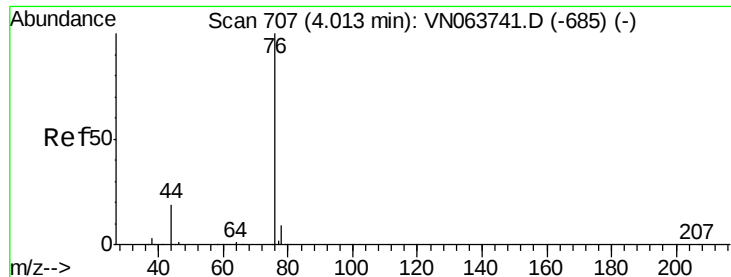
58 27.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN064100.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VN064100.D (-539) (-)

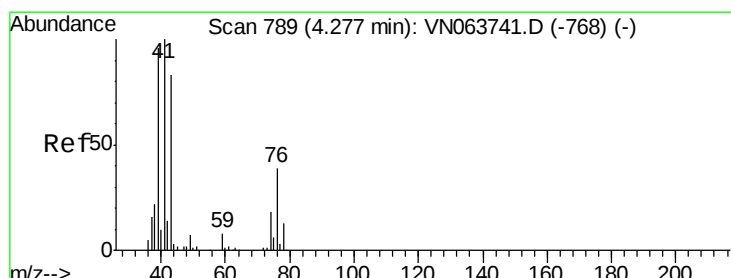
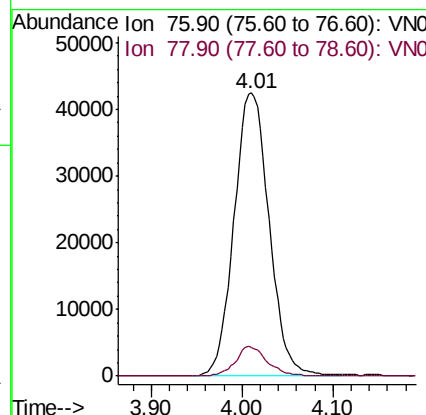
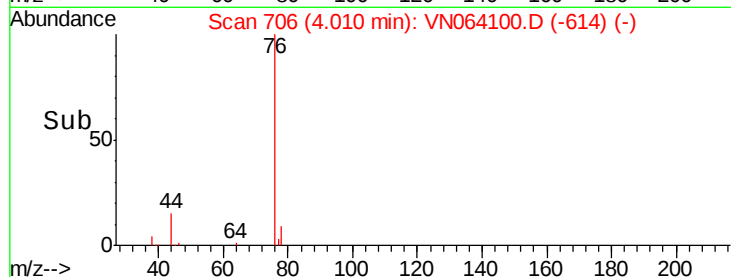
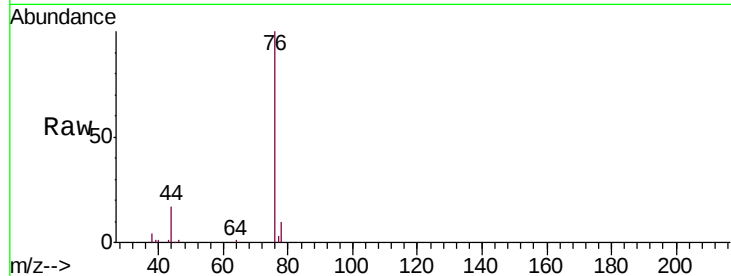




#17
Carbon Disulfide
Concen: 17.598 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

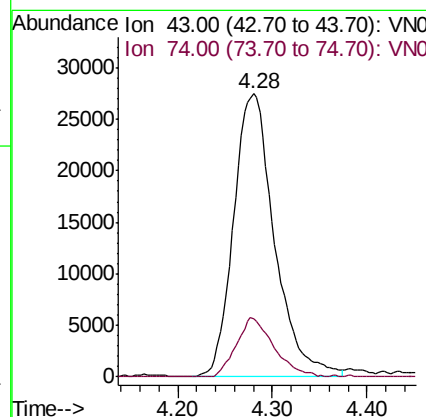
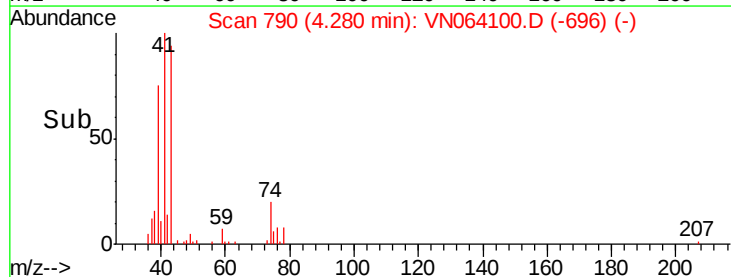
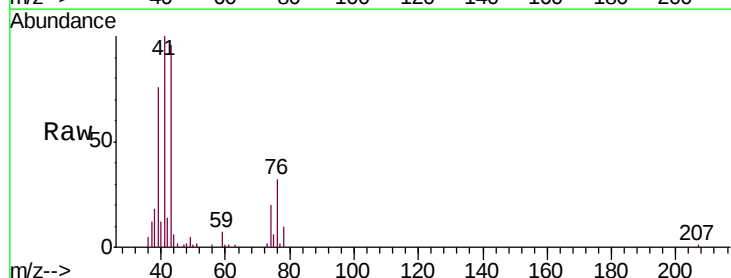
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

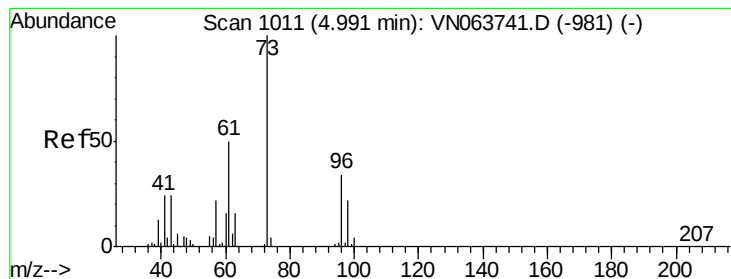
Tgt Ion: 76 Resp: 113963
Ion Ratio Lower Upper
76 100
78 10.2 7.0 10.4



#18
Methyl Acetate
Concen: 25.641 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 43 Resp: 82722
Ion Ratio Lower Upper
43 100
74 19.0 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 19.130 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

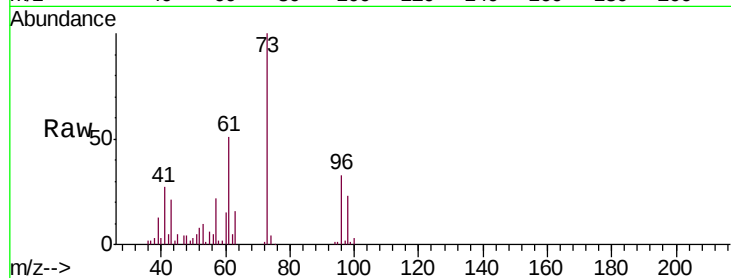
VN1013WBS01

Tgt Ion: 73 Resp: 170995

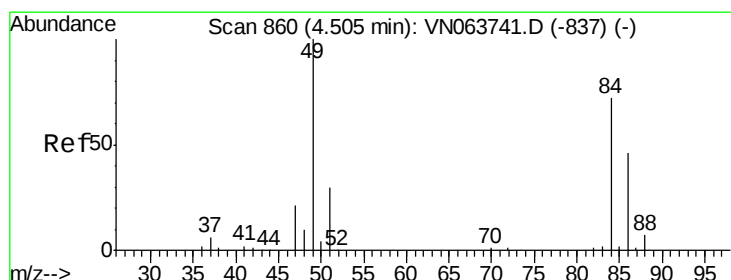
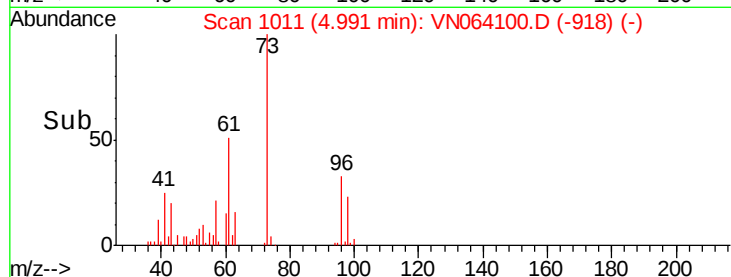
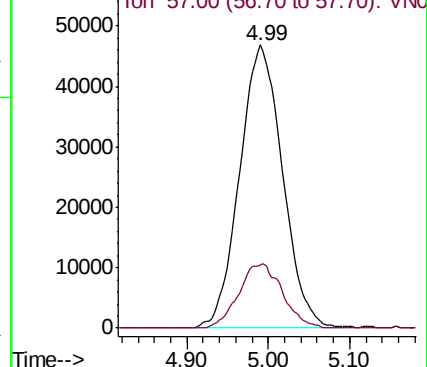
Ion Ratio Lower Upper

73 100

57 22.3 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VN063741.D (-981) (-)



#20

Methylene Chloride

Concen: 20.388 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion: 84 Resp: 57861

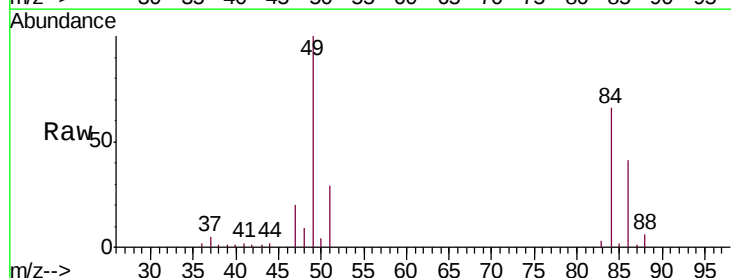
Ion Ratio Lower Upper

84 100

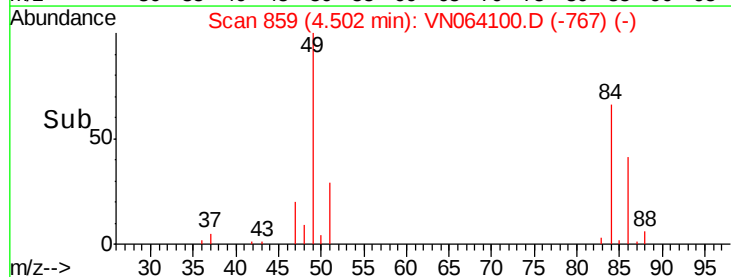
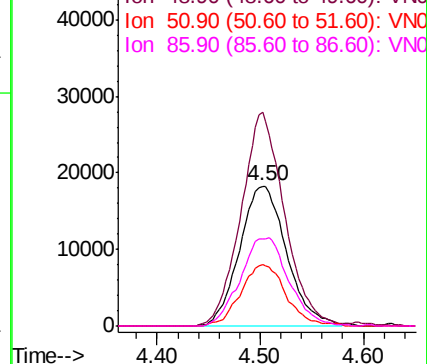
49 152.4 110.4 165.6

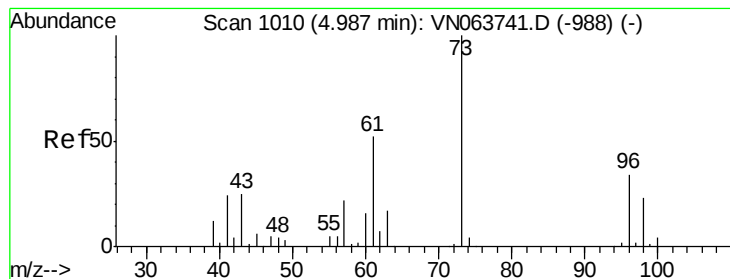
51 43.5 33.3 49.9

86 62.1 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN063741.D (-837) (-)





#21

trans-1,2-Dichloroethene

Concen: 17.778 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

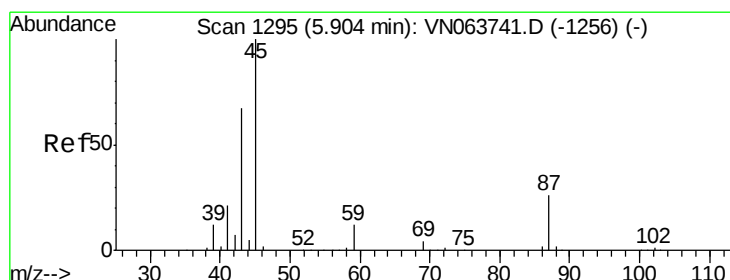
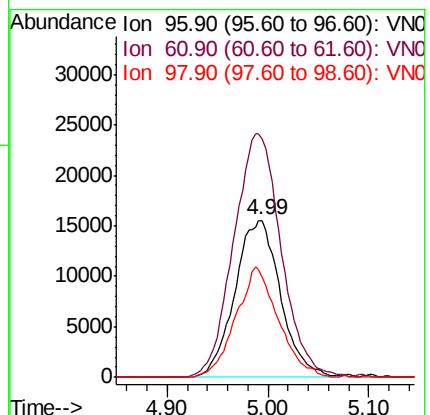
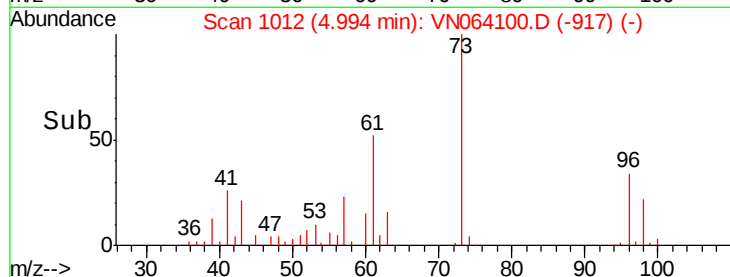
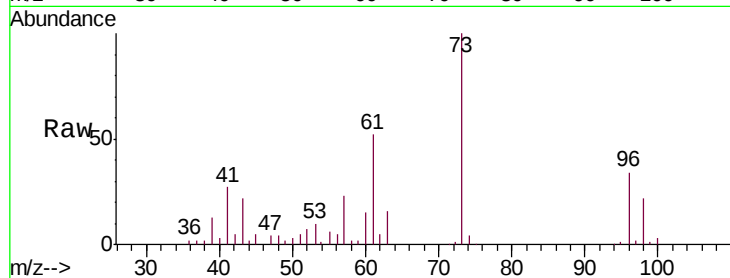
Tgt Ion: 96 Resp: 48992

Ion Ratio Lower Upper

96 100

61 151.0 120.2 180.2

98 64.2 52.6 79.0



#22

Diisopropyl ether

Concen: 21.351 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion: 45 Resp: 200791

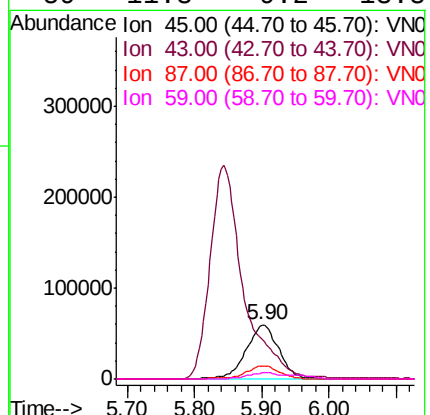
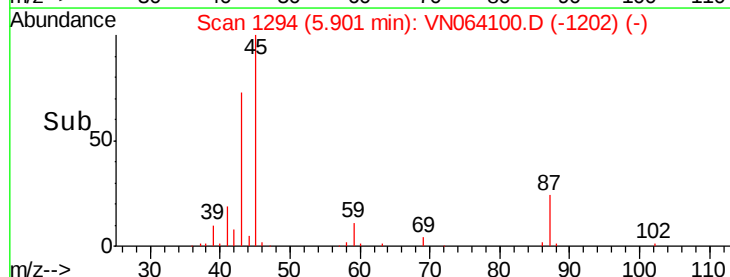
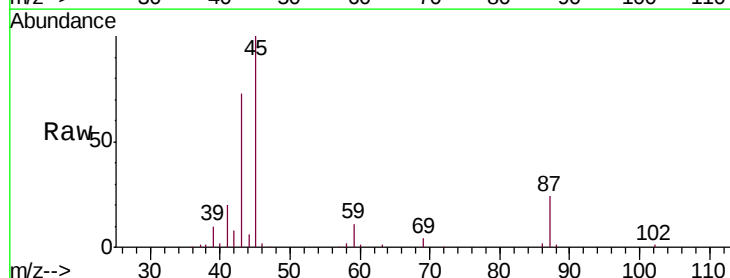
Ion Ratio Lower Upper

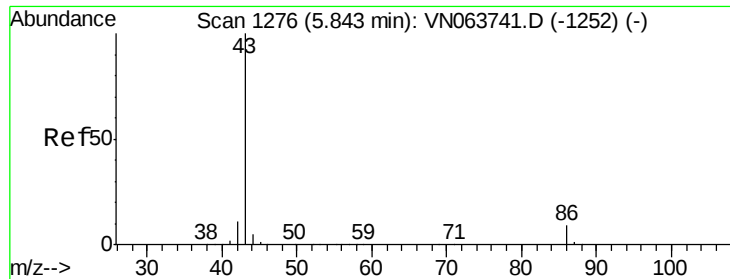
45 100

43 70.6 53.7 80.5

87 24.0 21.1 31.7

59 11.3 9.2 13.8

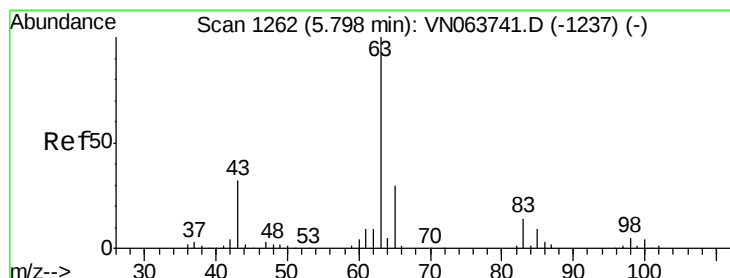
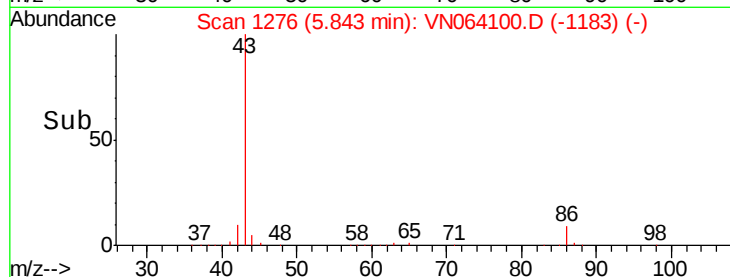
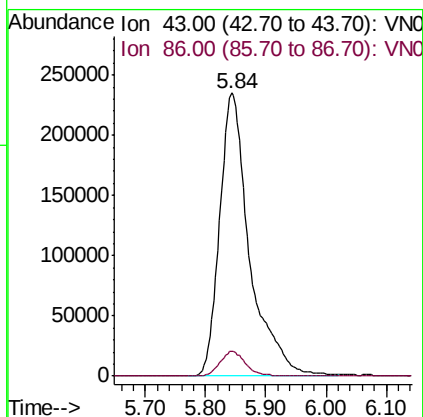
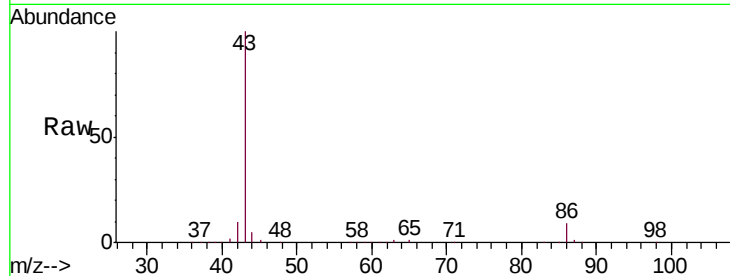




#23
 Vinyl Acetate
 Concen: 104.093 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

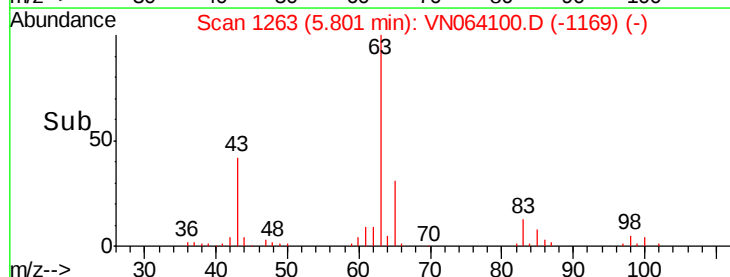
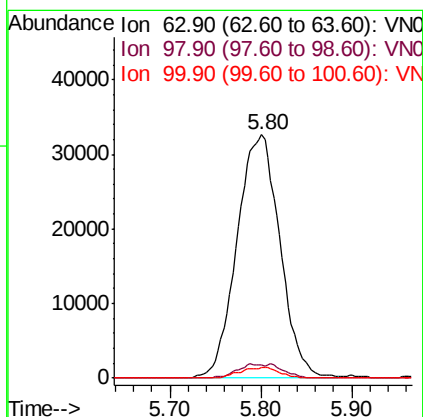
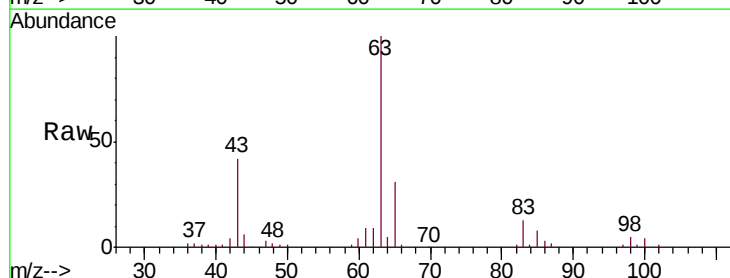
Instrument :
 MSVOA_N
 ClientSampled :
 VN1013WBS01

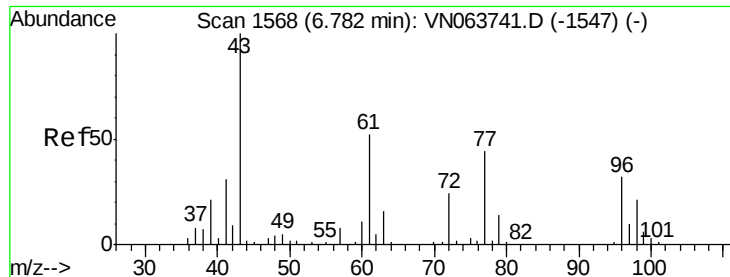
Tgt Ion: 43 Resp: 810888
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 19.890 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion: 63 Resp: 106949
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.7 8.1
 100 4.3 1.9 5.7





#25

2-Butanone

Concen: 119.987 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

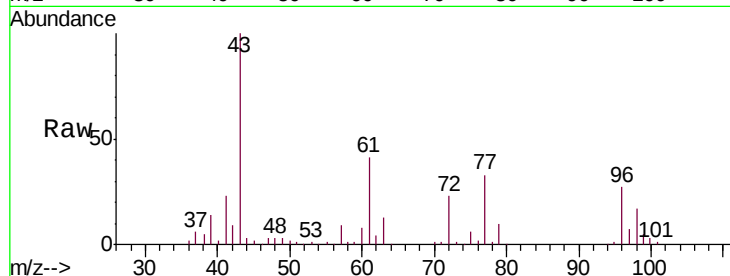
VN1013WBS01

Tgt Ion: 43 Resp: 211374

Ion Ratio Lower Upper

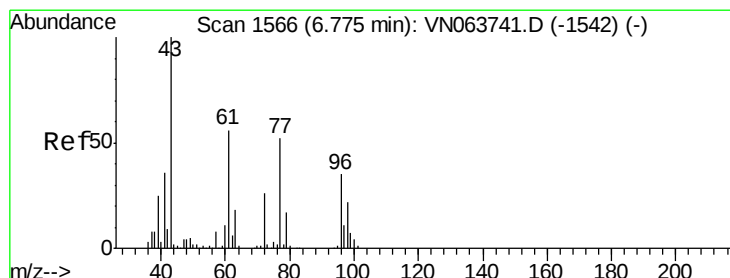
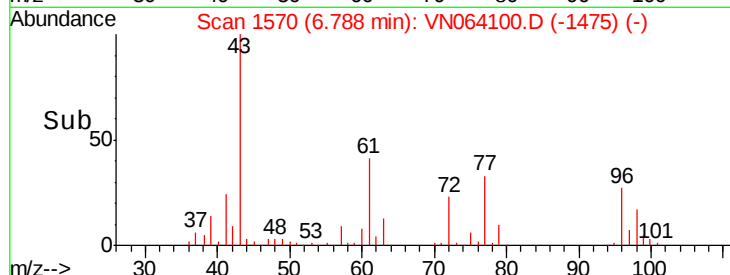
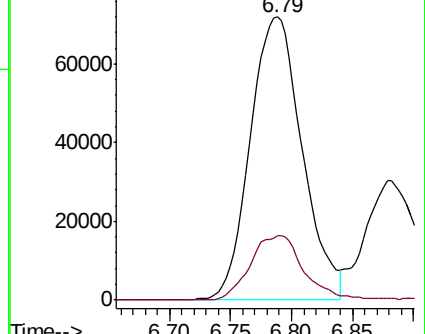
43 100

72 22.8 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN064100.D (-1475) (-)

Ion 72.00 (71.70 to 72.70): VN064100.D (-1475) (-)



#26

2,2-Dichloropropane

Concen: 18.642 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064100.D

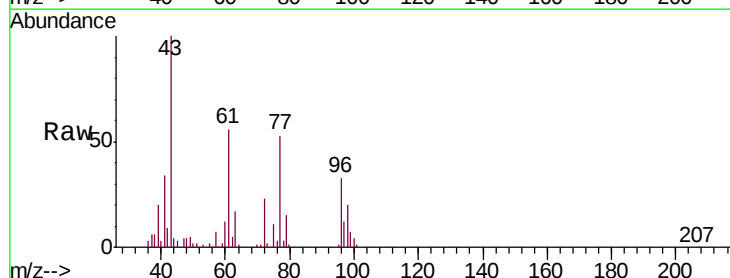
Acq: 13 Oct 2020 14:35

Tgt Ion: 77 Resp: 91794

Ion Ratio Lower Upper

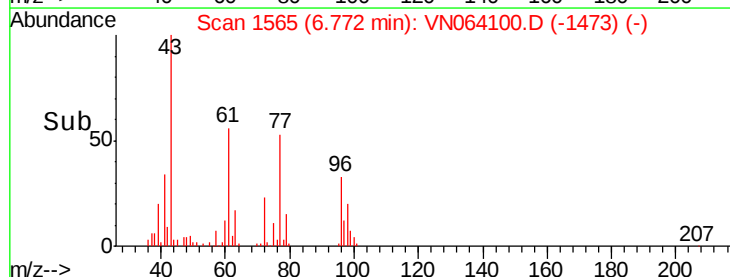
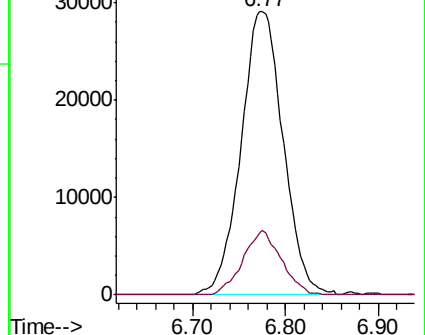
77 100

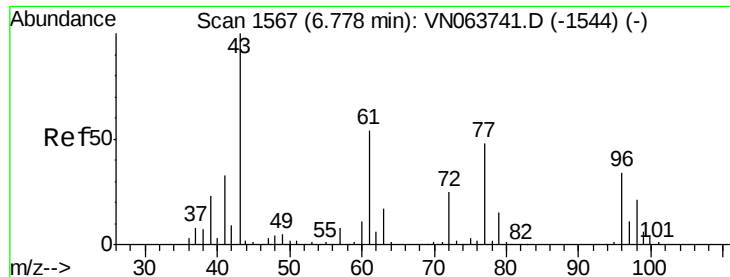
97 20.7 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN064100.D (-1473) (-)

Ion 96.90 (96.60 to 97.60): VN064100.D (-1473) (-)





#27

cis-1,2-Dichloroethene

Concen: 18.267 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

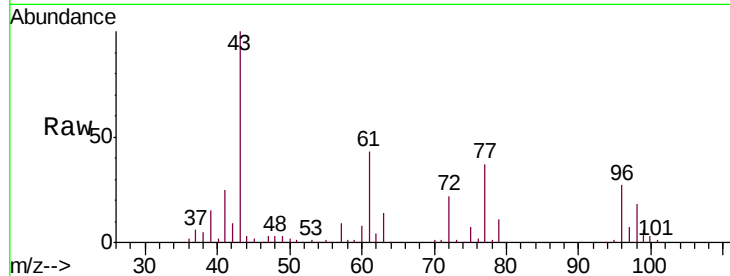
Tgt Ion: 96 Resp: 57897

Ion Ratio Lower Upper

96 100

61 168.1 0.0 321.2

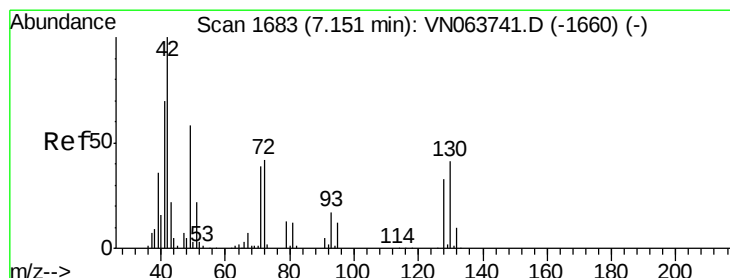
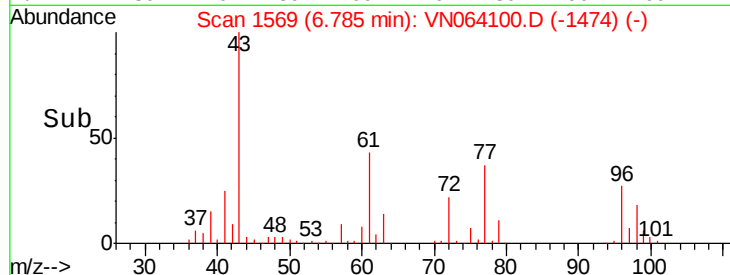
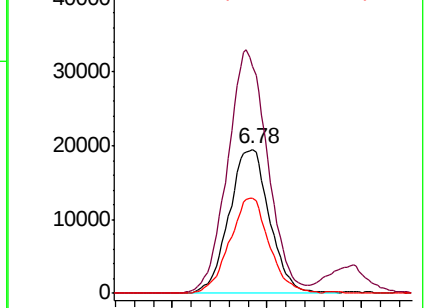
98 64.6 0.0 124.4



Abundance Ion 95.90 (95.60 to 96.60): VN064100.D (-1544) (-)

Ion 60.90 (60.60 to 61.60): VN064100.D (-1544) (-)

Ion 97.90 (97.60 to 98.60): VN064100.D (-1544) (-)



#28

Bromochloromethane

Concen: 20.126 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

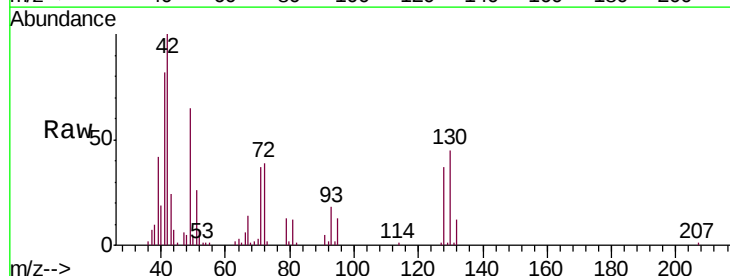
Tgt Ion: 49 Resp: 53487

Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.8

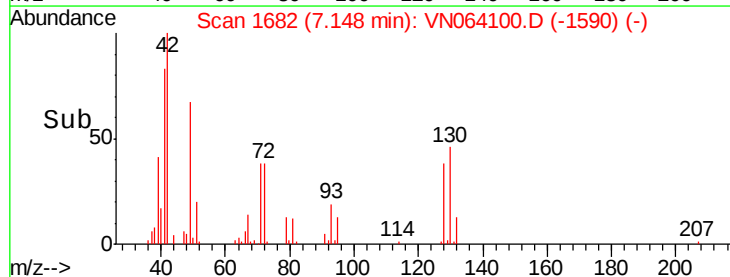
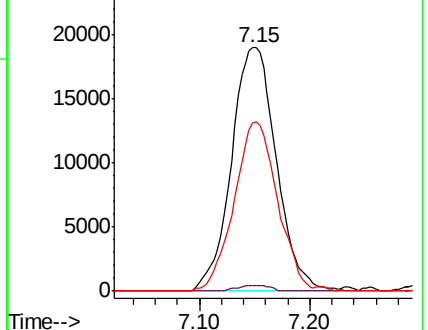
130 67.1 55.6 83.4

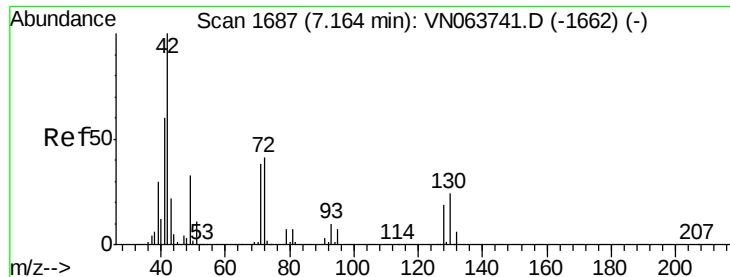


Abundance Ion 48.90 (48.60 to 49.60): VN064100.D (-1590) (-)

Ion 128.80 (128.50 to 129.50): VN064100.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN064100.D (-1590) (-)





#29

Tetrahydrofuran

Concen: 121.369 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

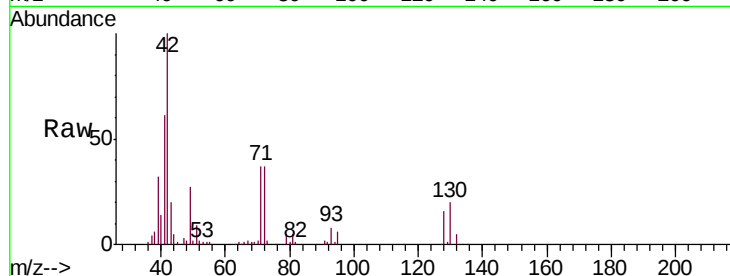
Tgt Ion: 42 Resp: 143400

Ion Ratio Lower Upper

42 100

72 38.1 32.8 49.2

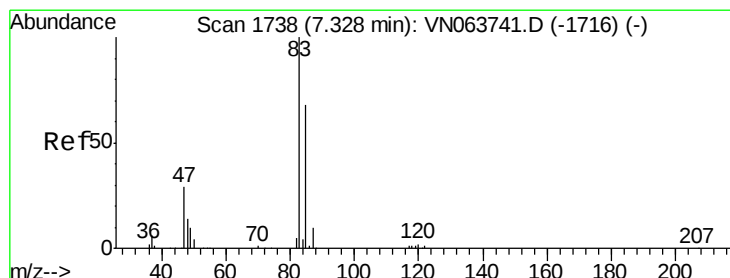
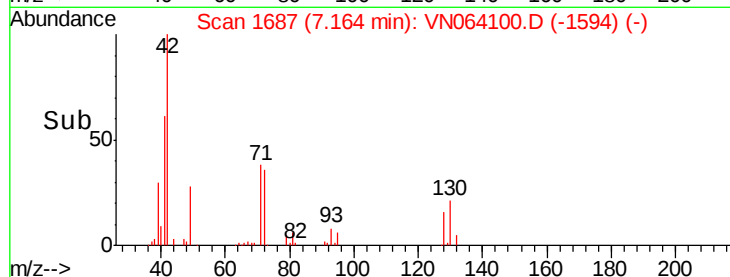
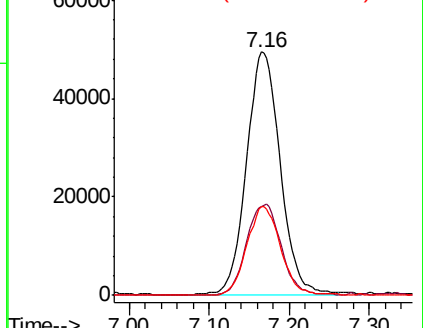
71 36.1 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN063741.D (-1662) (-)

Ion 72.00 (71.70 to 72.70): VN063741.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN063741.D (-1662) (-)



#30

Chloroform

Concen: 19.604 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064100.D

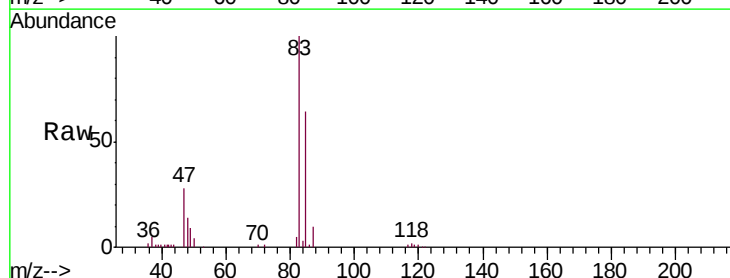
Acq: 13 Oct 2020 14:35

Tgt Ion: 83 Resp: 109912

Ion Ratio Lower Upper

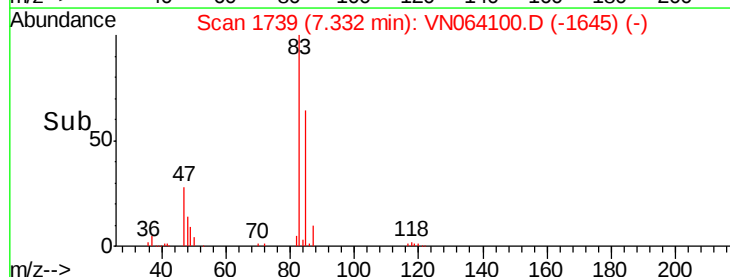
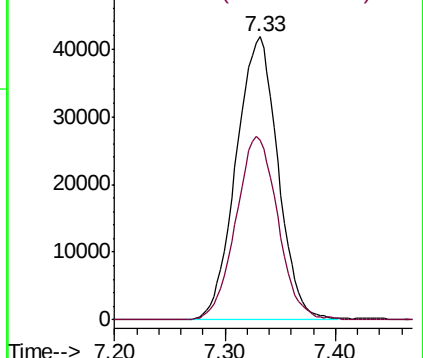
83 100

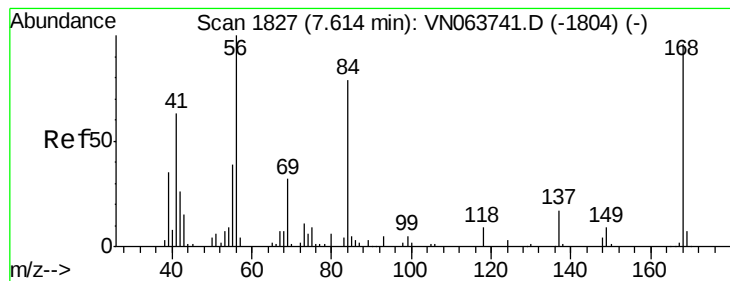
85 63.6 54.6 82.0



Abundance Ion 82.90 (82.60 to 83.60): VN063741.D (-1716) (-)

Ion 84.90 (84.60 to 85.60): VN063741.D (-1716) (-)





#31

Cyclohexane

Concen: 17.994 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

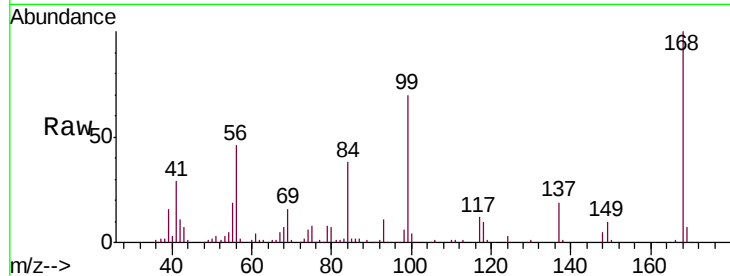
Tgt Ion: 56 Resp: 84321

Ion Ratio Lower Upper

56 100

69 35.8 25.4 38.2

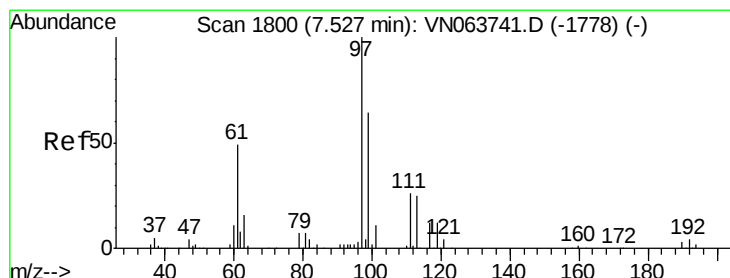
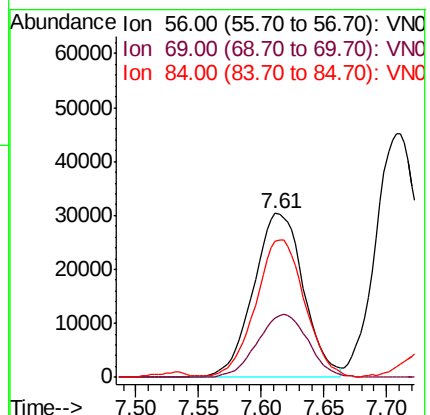
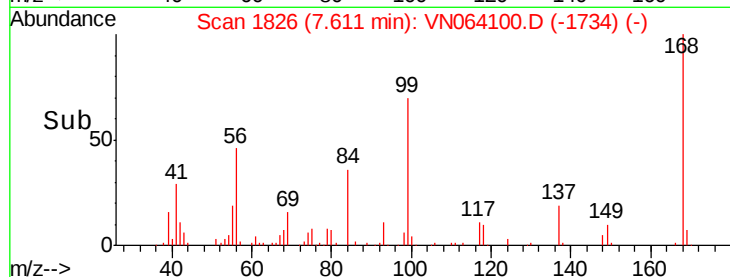
84 81.6 63.3 94.9



Abundance Ion 56.00 (55.70 to 56.70): VN064100.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064100.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064100.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 19.170 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

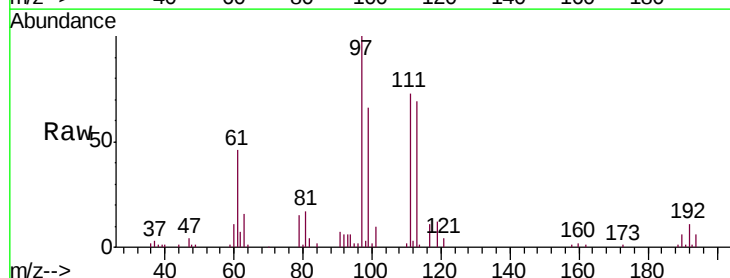
Tgt Ion: 97 Resp: 96944

Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.6

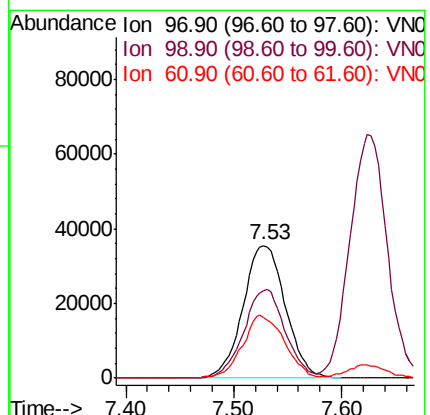
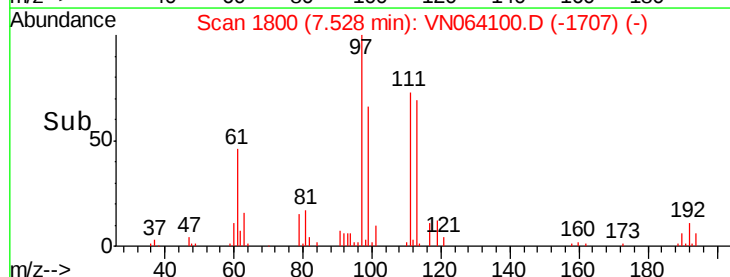
61 46.9 38.7 58.1

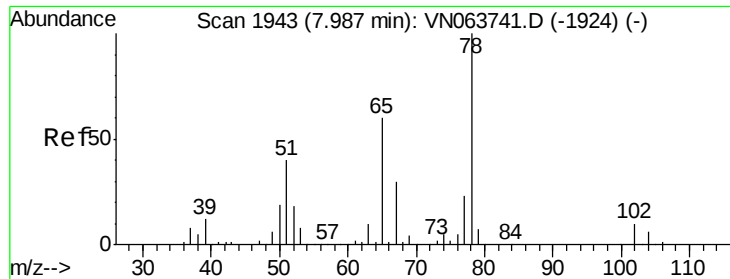


Abundance Ion 96.90 (96.60 to 97.60): VN064100.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN064100.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN064100.D (-1707) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.807 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

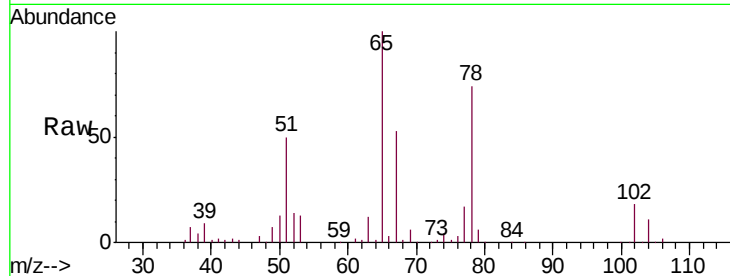
VN1013WBS01

Tgt Ion: 65 Resp: 192970

Ion Ratio Lower Upper

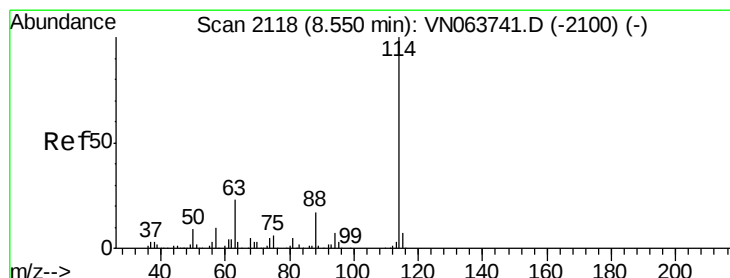
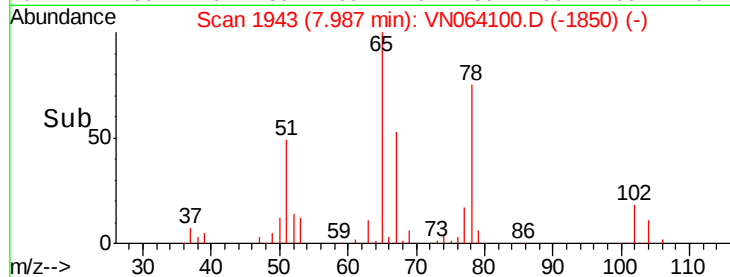
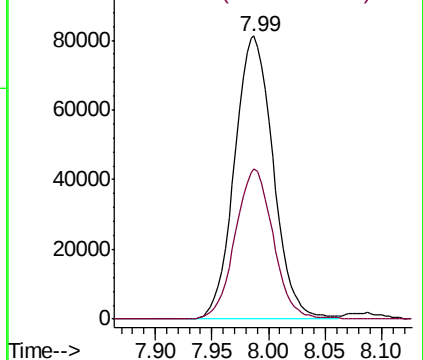
65 100

67 52.4 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN064100.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064100.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

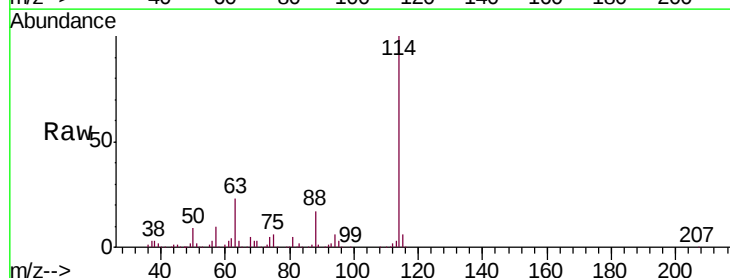
Tgt Ion: 114 Resp: 413209

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

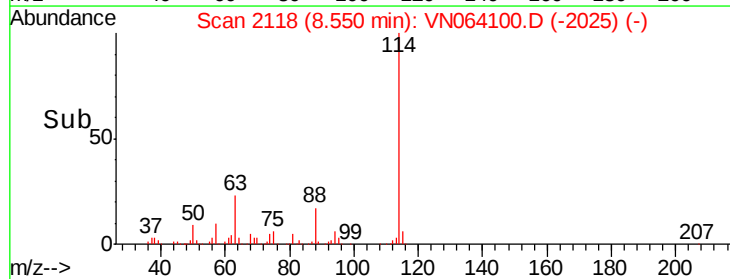
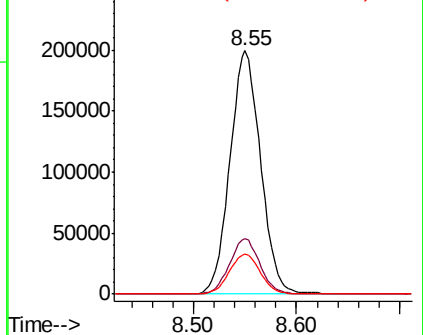
88 16.5 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN064100.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064100.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064100.D (-2025) (-)

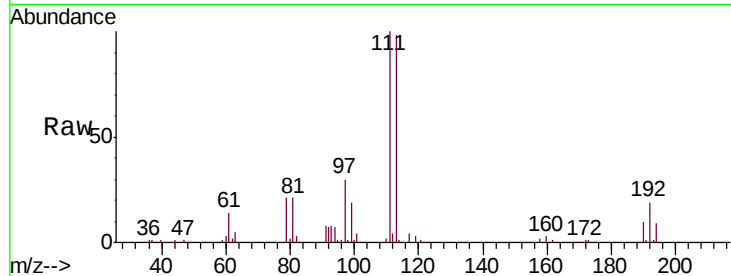




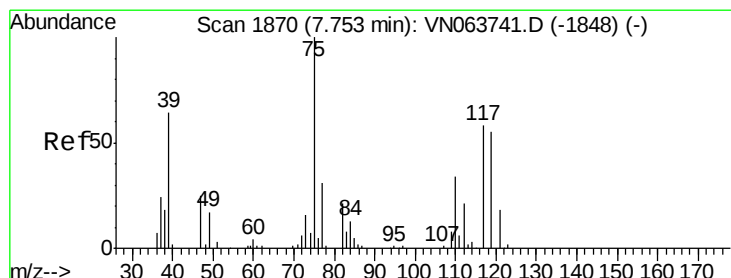
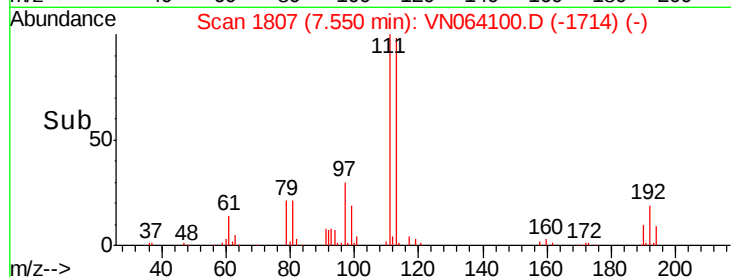
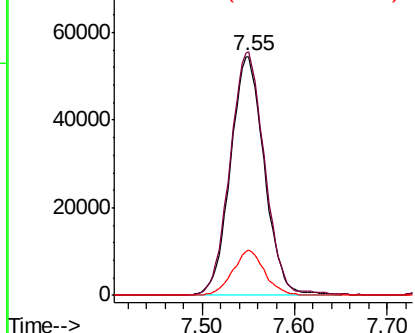
#35
Dibromofluoromethane
Concen: 48.226 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tgt Ion: 113 Resp: 138271
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 17.7 14.2 21.2

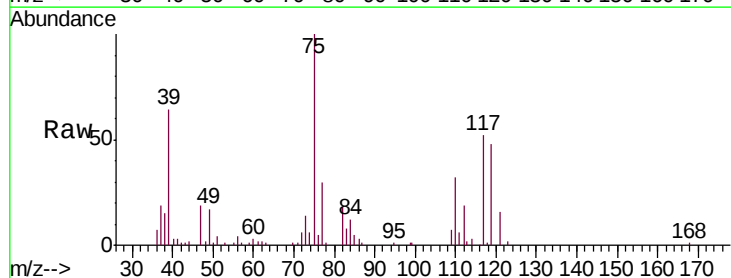


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

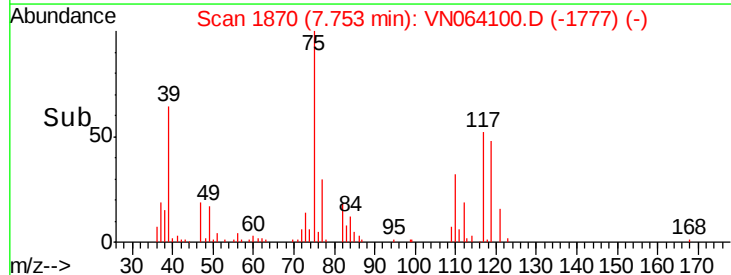
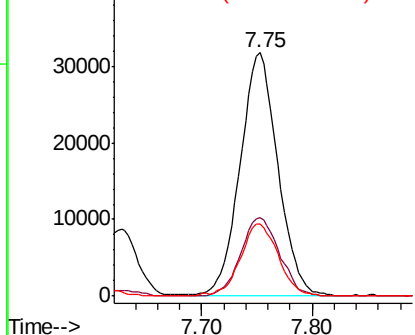


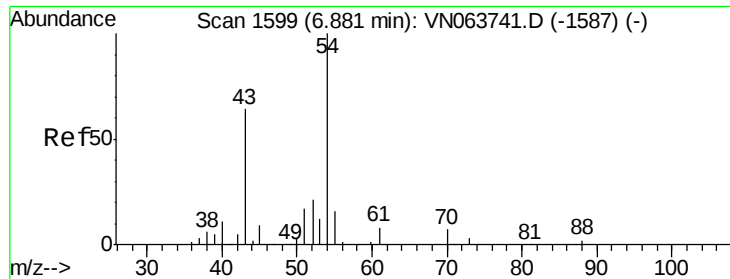
#36
1,1-Dichloropropene
Concen: 18.111 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 75 Resp: 75815
Ion Ratio Lower Upper
75 100
110 32.7 16.9 50.6
77 29.7 24.5 36.7



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

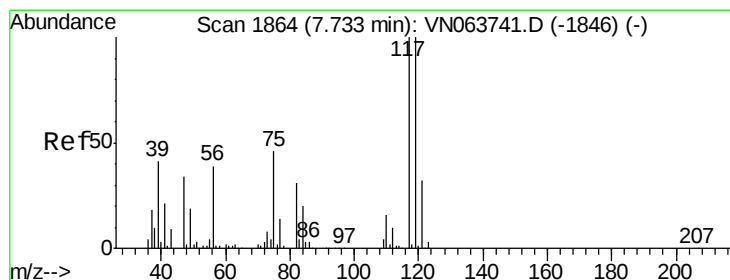
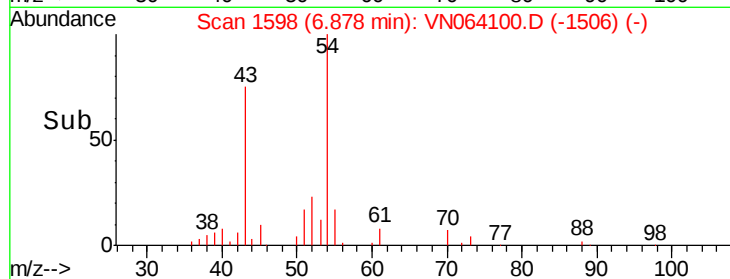
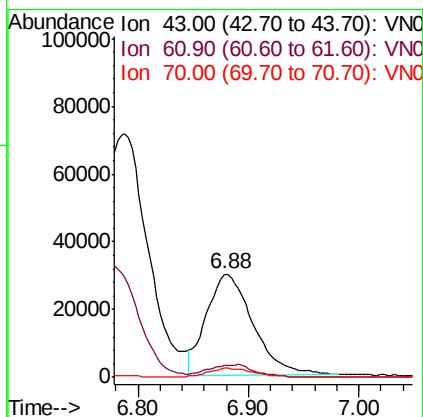
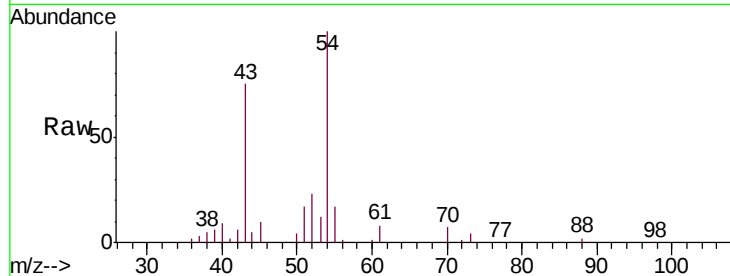




#37
Ethyl Acetate
Concen: 21.203 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

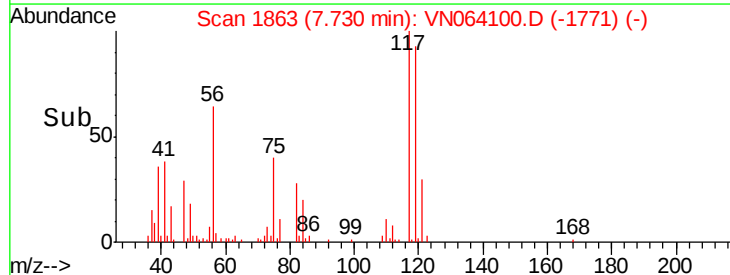
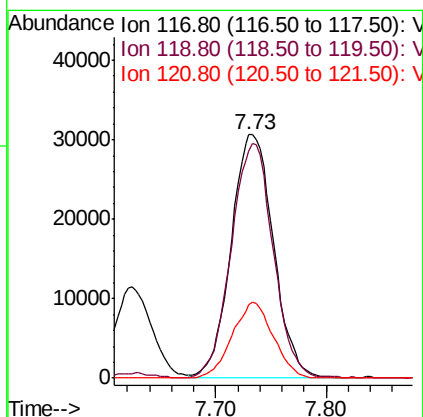
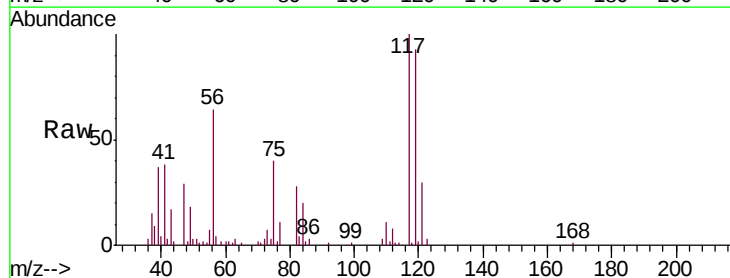
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

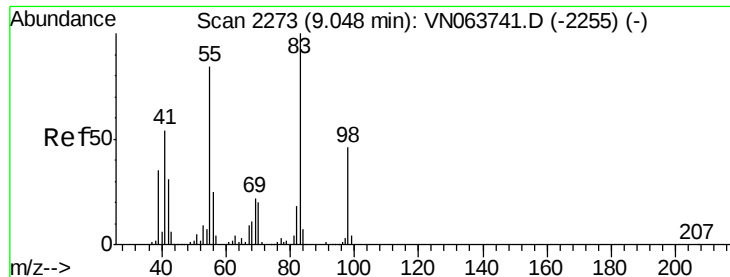
Tgt Ion: 43 Resp: 88183
Ion Ratio Lower Upper
43 100
61 13.0 10.4 15.6
70 9.0 7.3 10.9



#38
Carbon Tetrachloride
Concen: 17.407 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 117 Resp: 81711
Ion Ratio Lower Upper
117 100
119 93.4 80.1 120.1
121 30.2 25.7 38.5

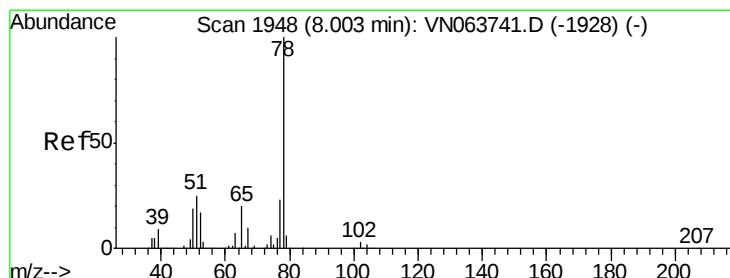
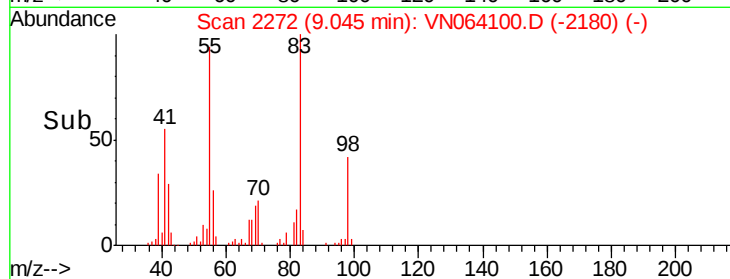
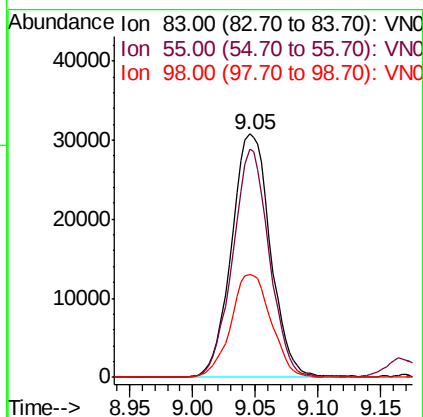
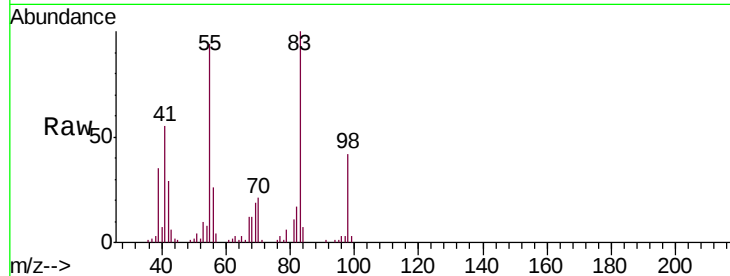




#39
Methylcyclohexane
Concen: 15.944 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

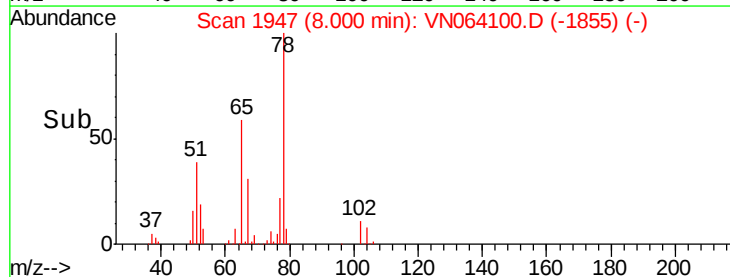
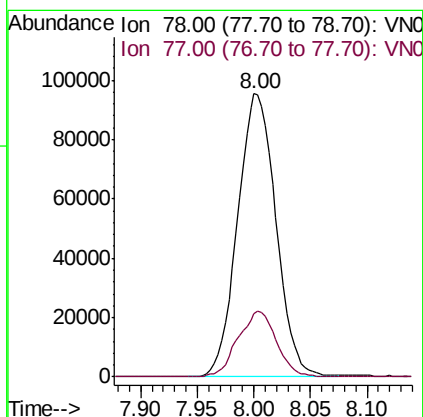
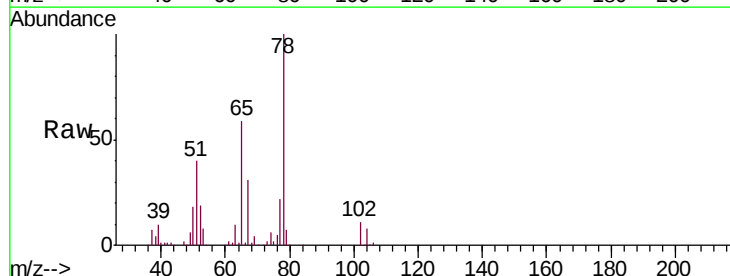
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

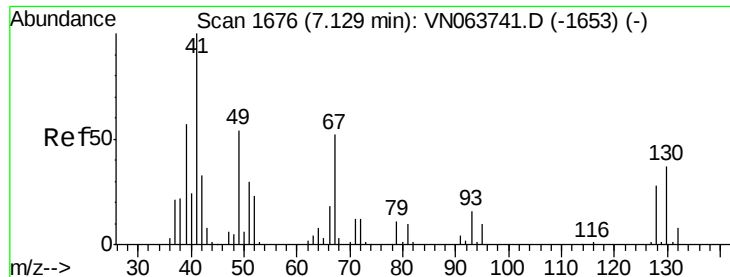
Tgt Ion: 83 Resp: 66559
Ion Ratio Lower Upper
83 100
55 94.0 67.1 100.7
98 42.0 36.6 54.8



#40
Benzene
Concen: 18.858 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 78 Resp: 225479
Ion Ratio Lower Upper
78 100
77 22.2 18.7 28.1

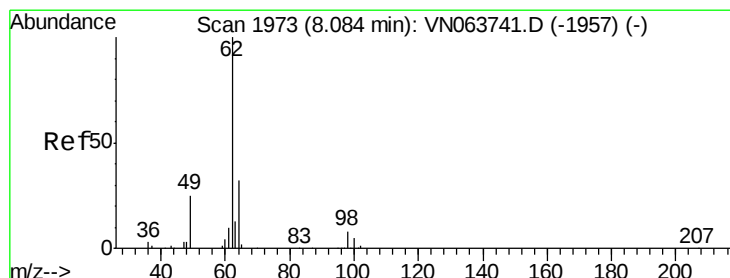
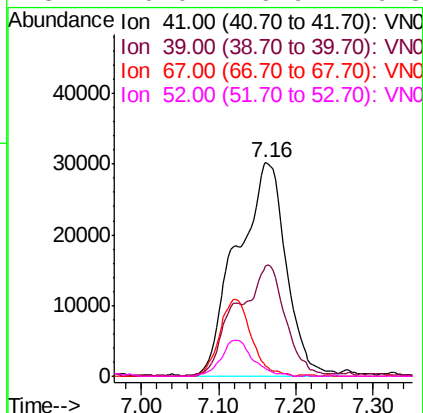
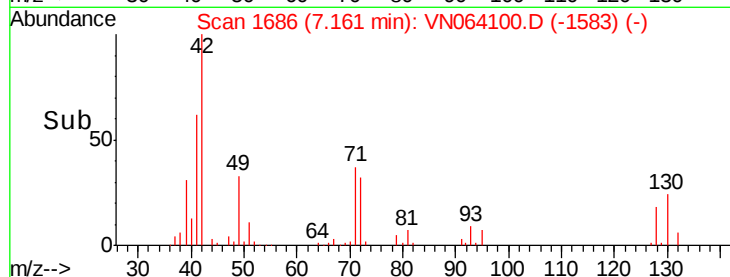
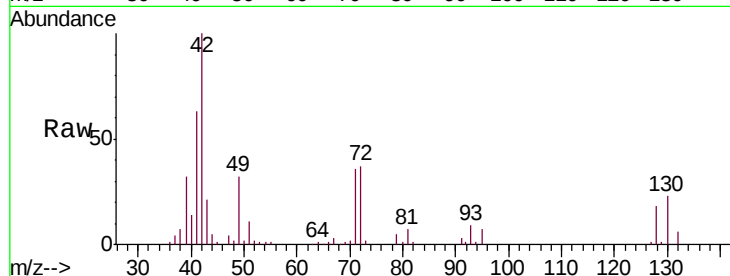




#41
Methacrylonitrile
Concen: 72.511 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

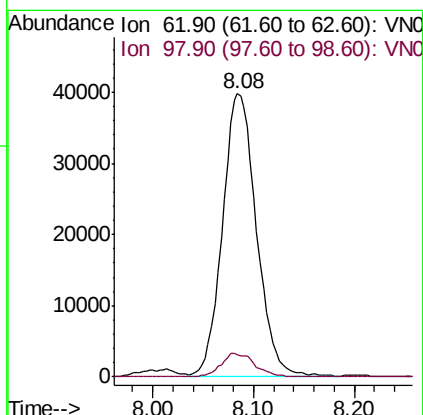
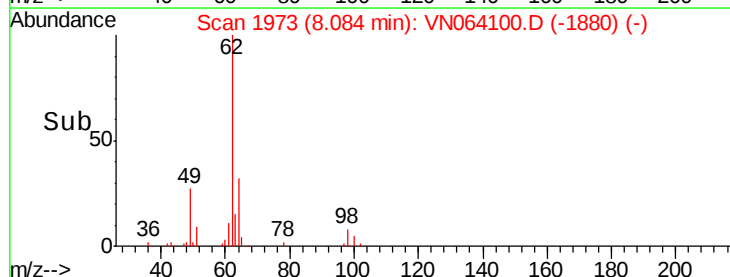
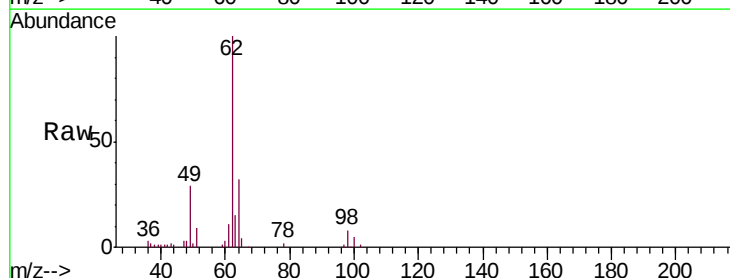
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

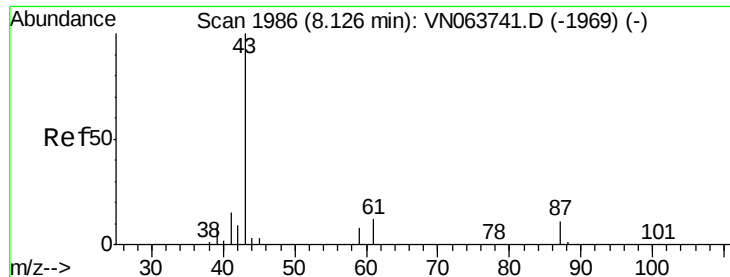
Tgt Ion: 41 Resp: 134033
Ion Ratio Lower Upper
41 100
39 29.1 42.5 63.7#
67 0.0 57.4 86.2#
52 0.0 26.9 40.3#



#42
1,2-Dichloroethane
Concen: 18.291 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 62 Resp: 93358
Ion Ratio Lower Upper
62 100
98 8.2 0.0 15.0





#43

Isopropyl Acetate

Concen: 21.168 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

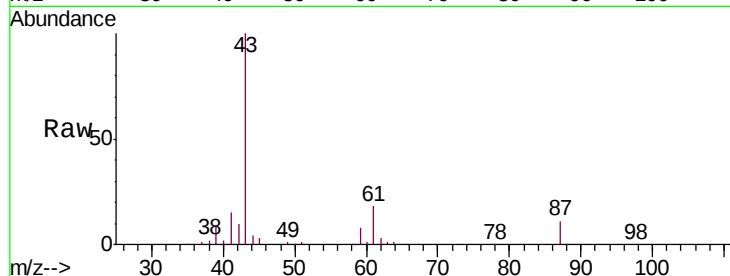
Tgt Ion: 43 Resp: 145219

Ion Ratio Lower Upper

43 100

61 24.5 14.2 21.4#

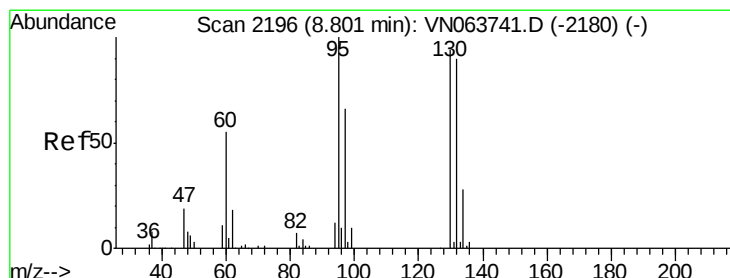
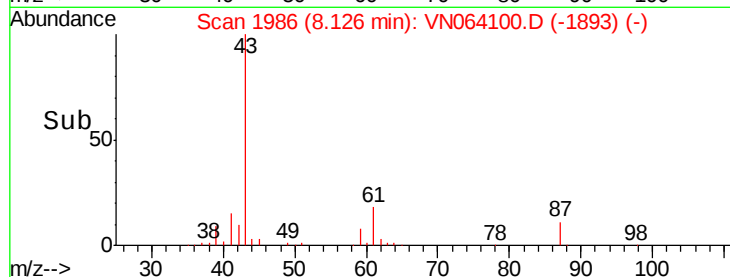
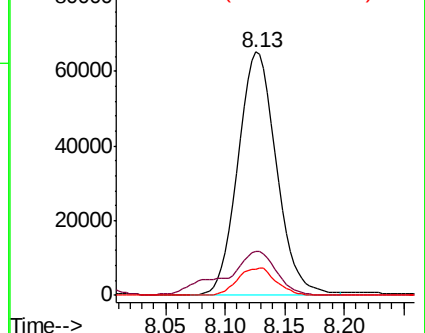
87 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN064100.D (-1986) (-)

Ion 61.00 (60.70 to 61.70): VN064100.D (-1986) (-)

Ion 87.00 (86.70 to 87.70): VN064100.D (-1986) (-)



#44

Trichloroethene

Concen: 18.063 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064100.D

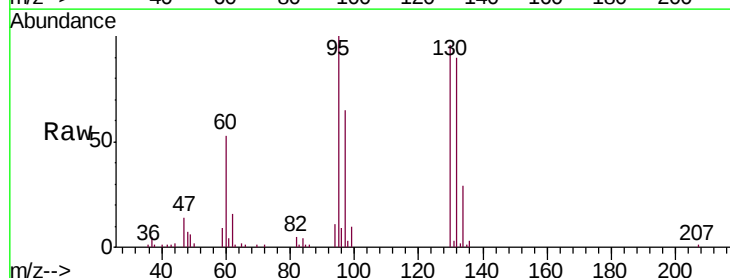
Acq: 13 Oct 2020 14:35

Tgt Ion: 130 Resp: 56589

Ion Ratio Lower Upper

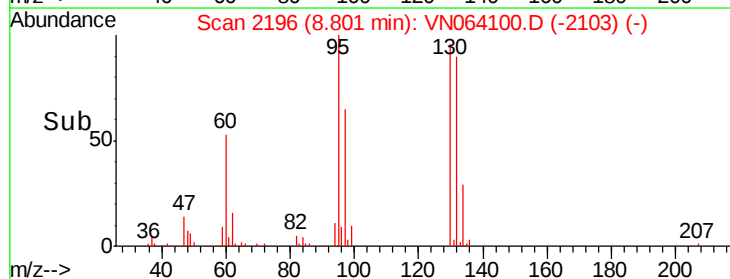
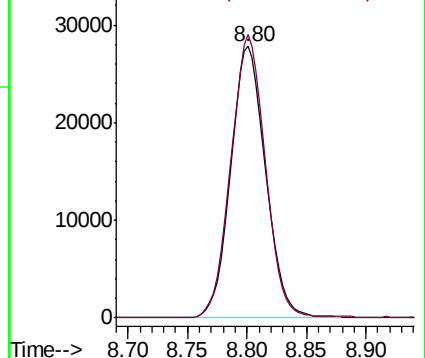
130 100

95 104.3 0.0 213.6



Abundance Ion 129.80 (129.50 to 130.50): VN064100.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN064100.D (-2196) (-)

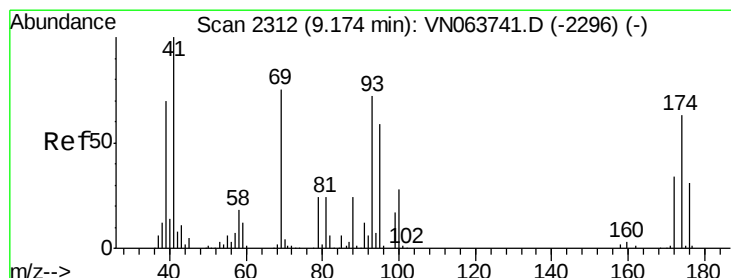
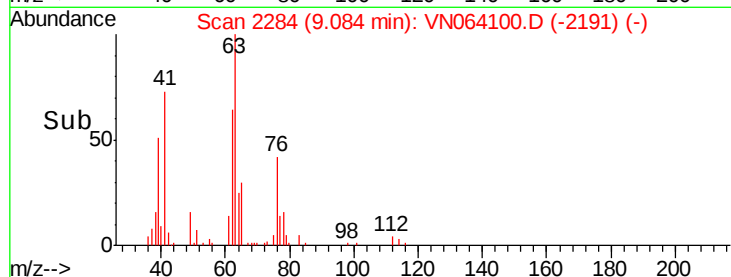
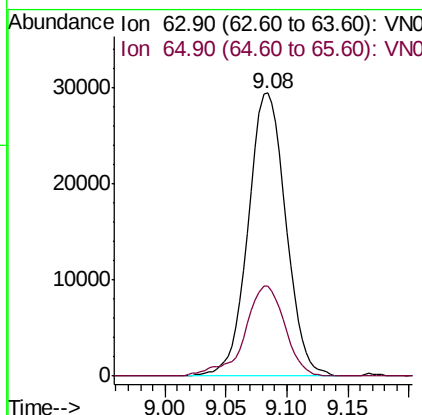
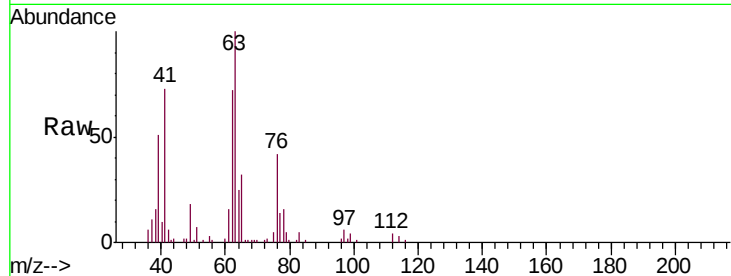




#45
 1,2-Dichloropropane
 Concen: 19.509 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

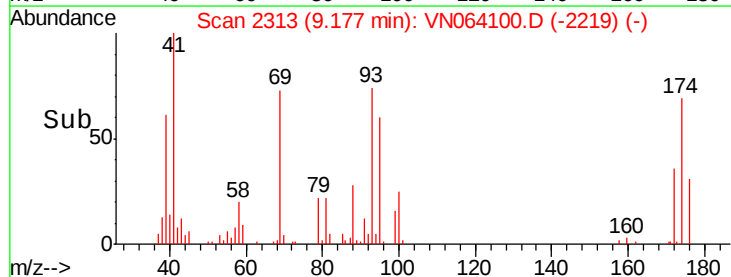
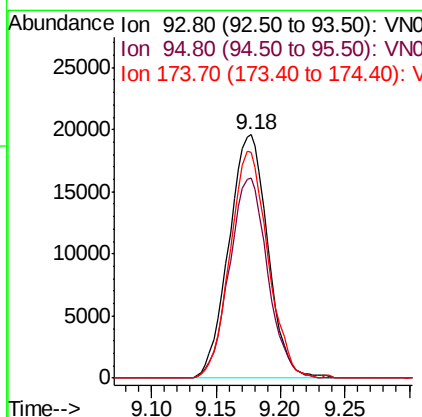
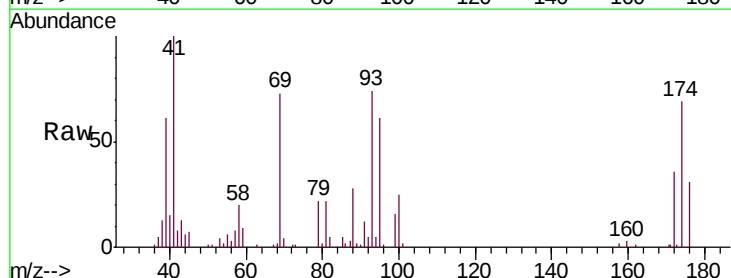
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

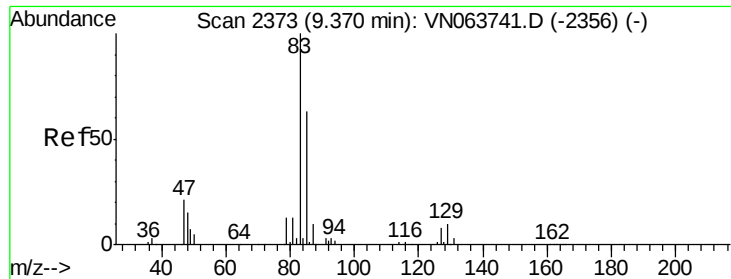
Tgt Ion: 63 Resp: 62999
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.7 37.1



#46
 Dibromomethane
 Concen: 18.504 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion: 93 Resp: 41221
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.3 99.5
 174 90.3 72.7 109.1

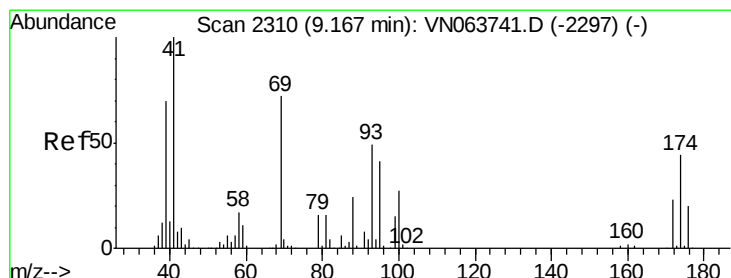
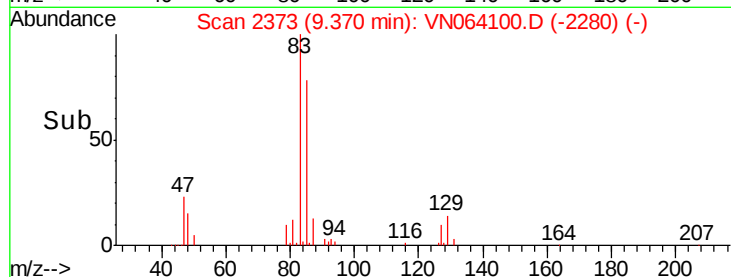
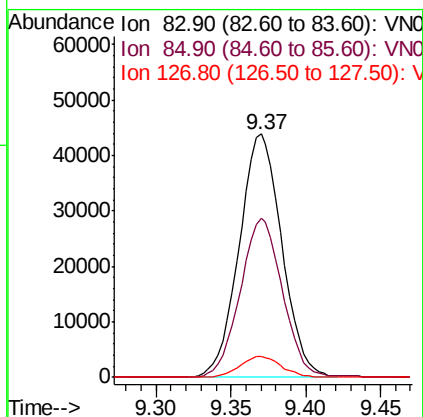
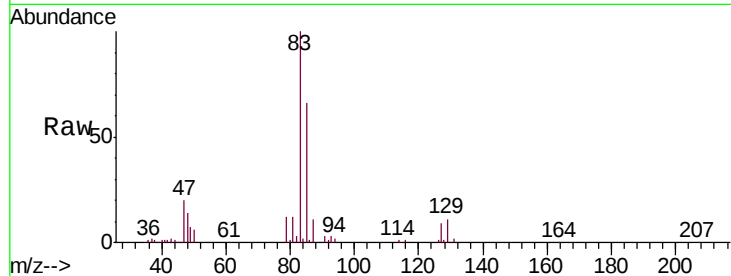




#47
Bromodichloromethane
Concen: 18.964 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

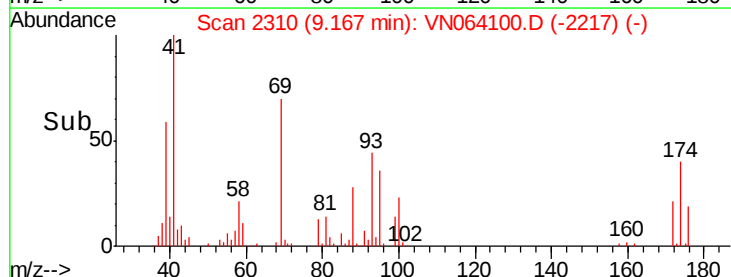
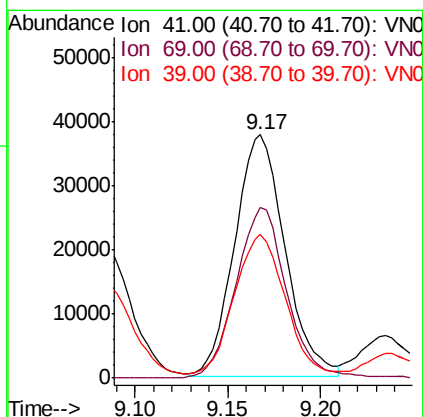
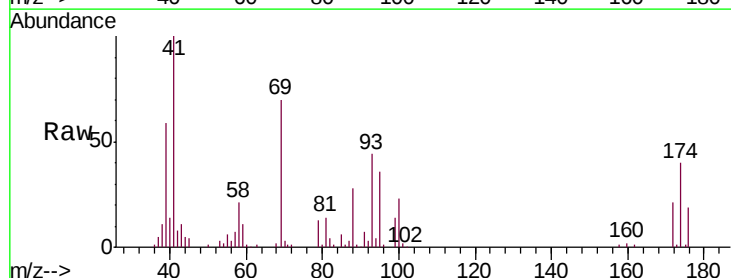
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

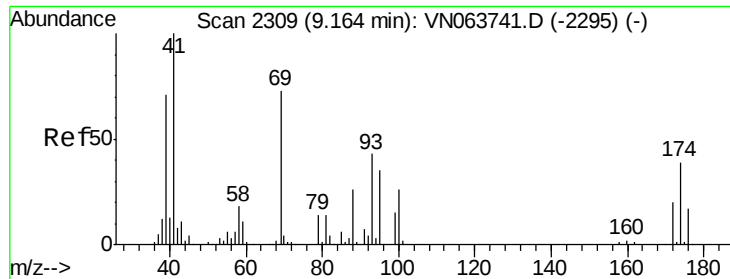
Tgt Ion: 83 Resp: 87066
Ion Ratio Lower Upper
83 100
85 65.6 50.6 75.8
127 8.7 6.6 9.8



#48
Methyl methacrylate
Concen: 21.092 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 41 Resp: 71489
Ion Ratio Lower Upper
41 100
69 70.8 60.9 91.3
39 60.6 57.5 86.3

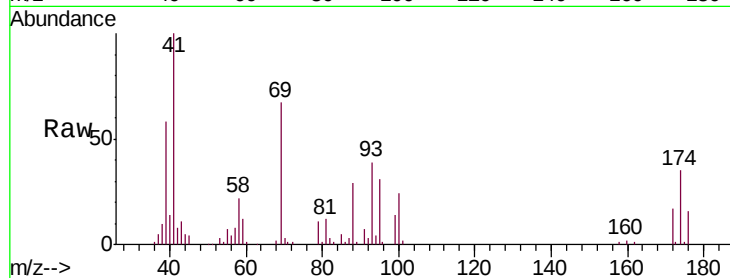




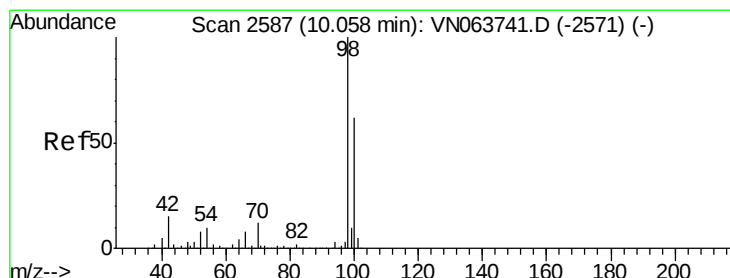
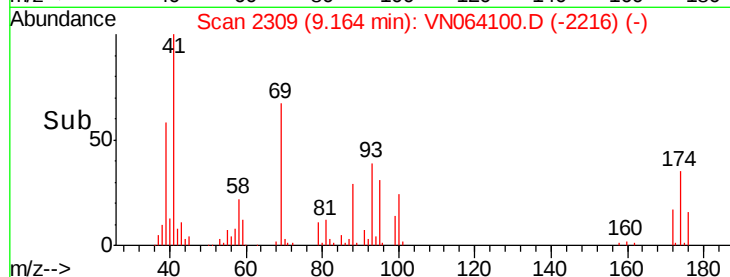
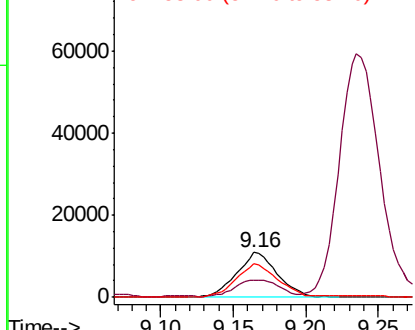
#49
1,4-Dioxane
Concen: 446.893 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tgt Ion: 88 Resp: 21527
Ion Ratio Lower Upper
88 100
43 39.0 33.1 49.7
58 75.1 58.9 88.3

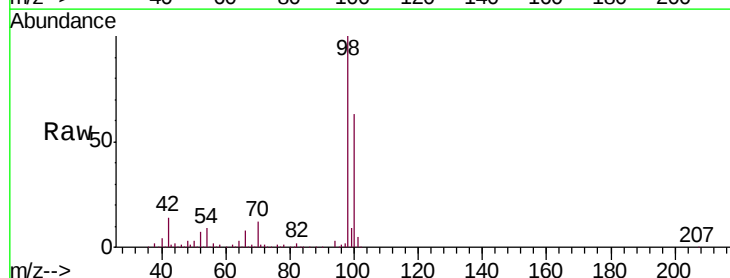


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

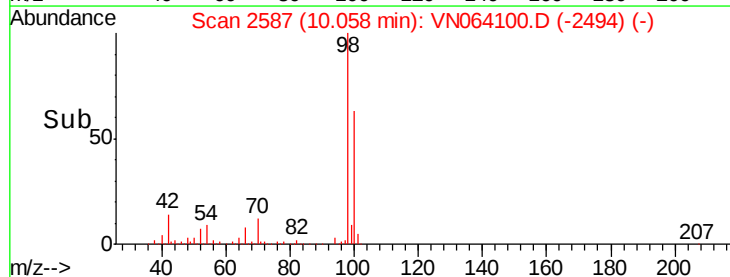
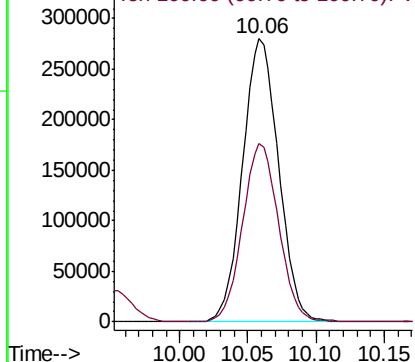


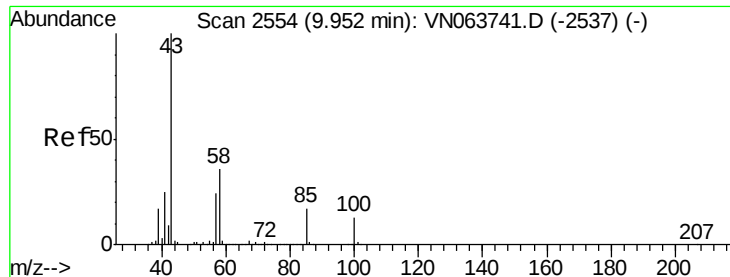
#50
Toluene-d8
Concen: 47.208 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 98 Resp: 513113
Ion Ratio Lower Upper
98 100
100 63.1 49.8 74.6



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

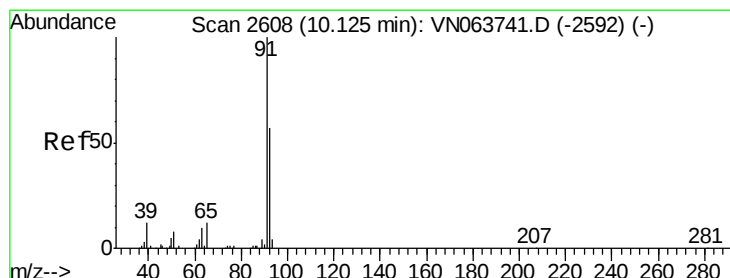
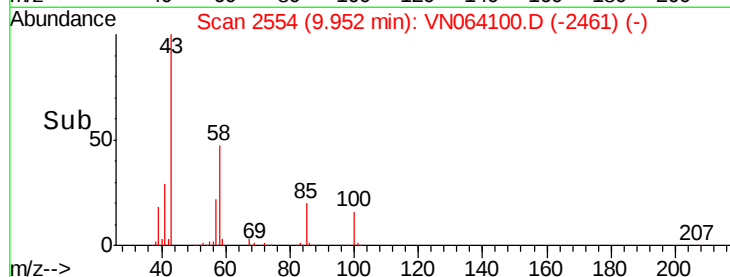
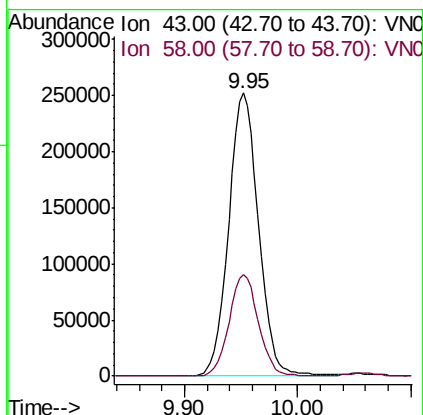
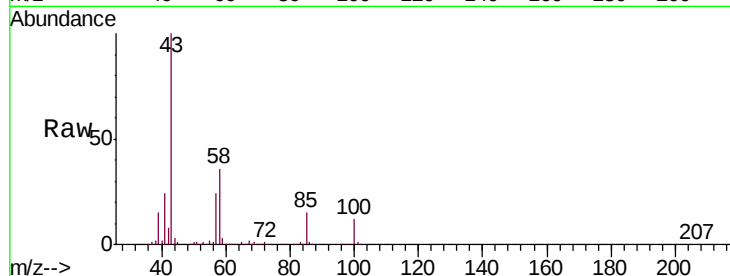




#51
 4-Methyl-2-Pentanone
 Concen: 114.404 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

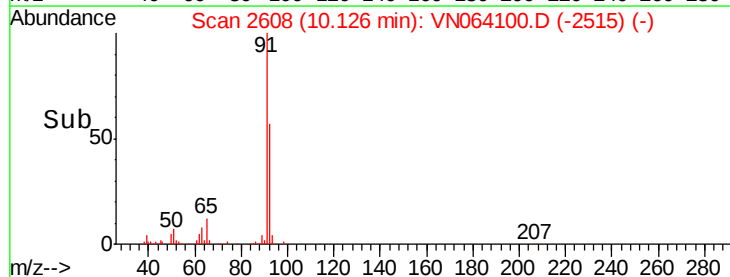
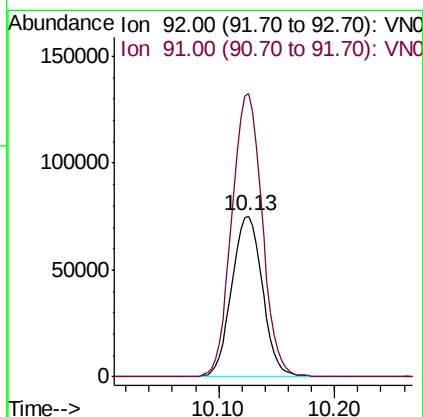
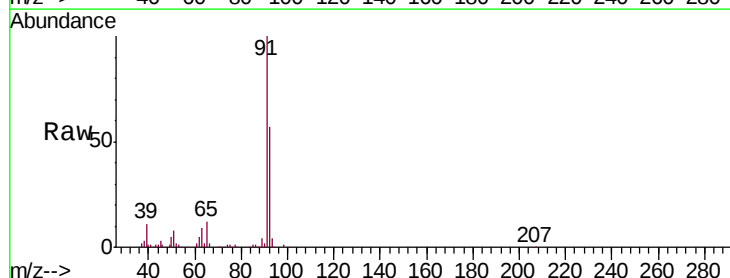
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

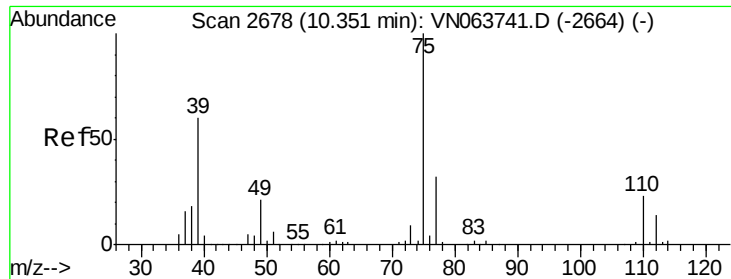
Tgt Ion: 43 Resp: 460576
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.4 42.6



#52
 Toluene
 Concen: 18.779 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion: 92 Resp: 138884
 Ion Ratio Lower Upper
 92 100
 91 174.0 140.6 210.8





#53

t-1,3-Dichloropropene

Concen: 18.419 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

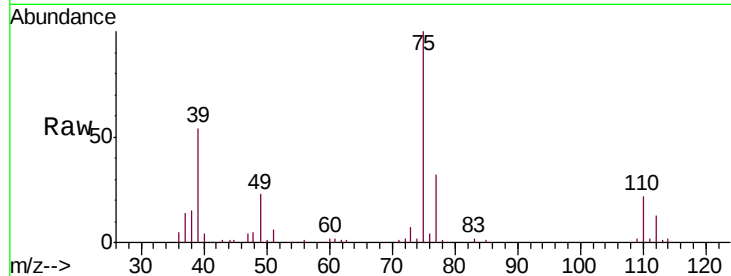
VN1013WBS01

Tgt Ion: 75 Resp: 90648

Ion Ratio Lower Upper

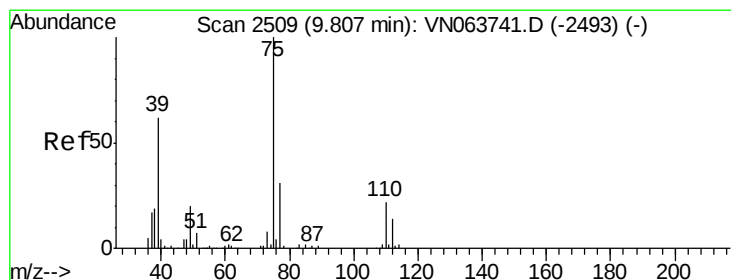
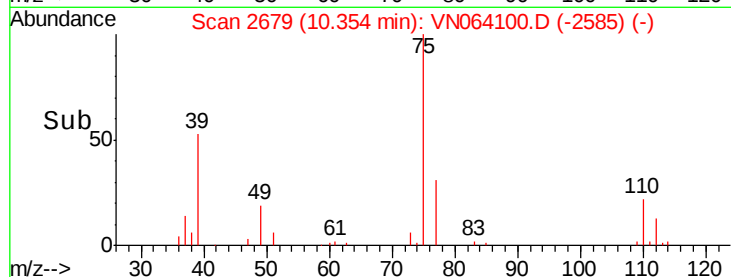
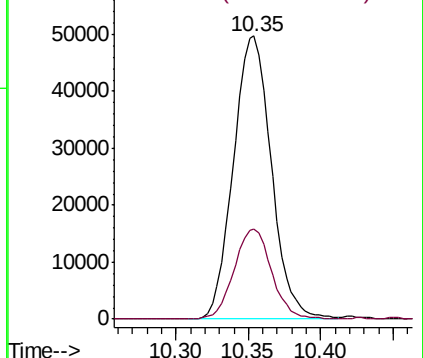
75 100

77 31.9 25.3 37.9



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: 19.318 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

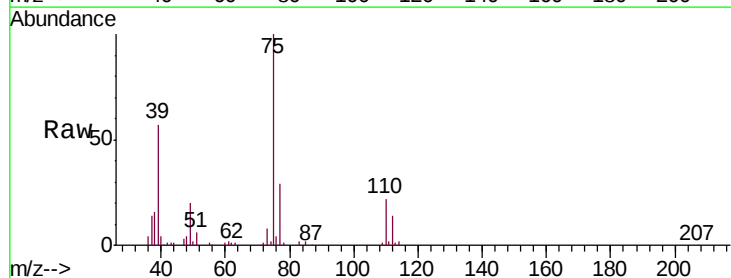
Tgt Ion: 75 Resp: 99425

Ion Ratio Lower Upper

75 100

77 29.0 24.6 36.8

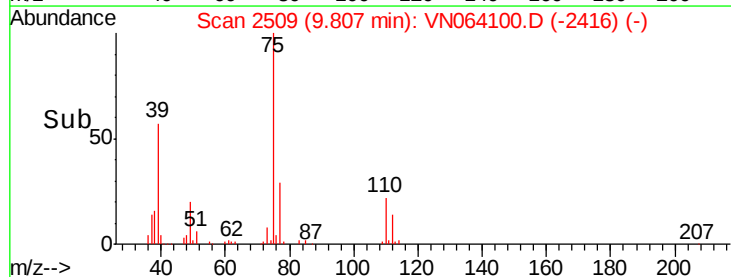
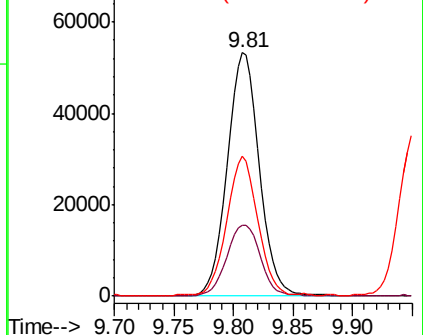
39 57.1 49.7 74.5

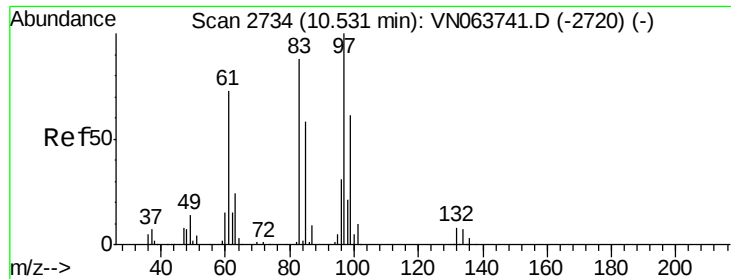


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

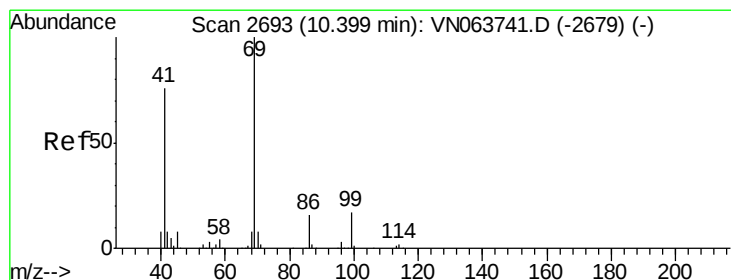
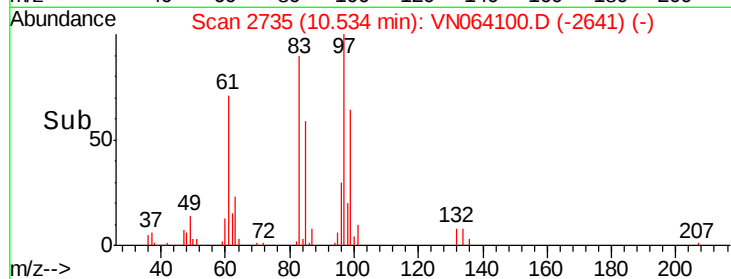
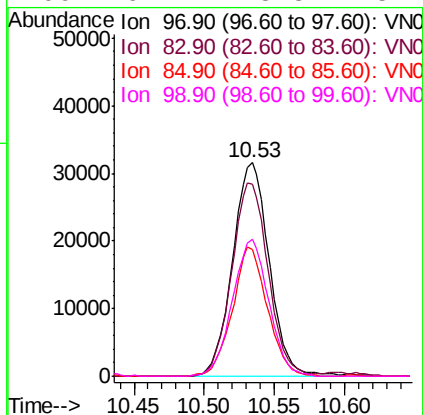
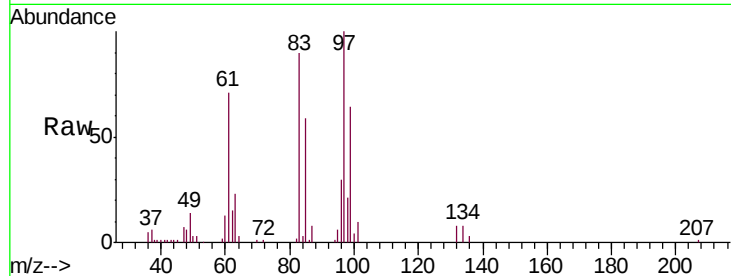




#55
 1,1,2-Trichloroethane
 Concen: 19.377 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

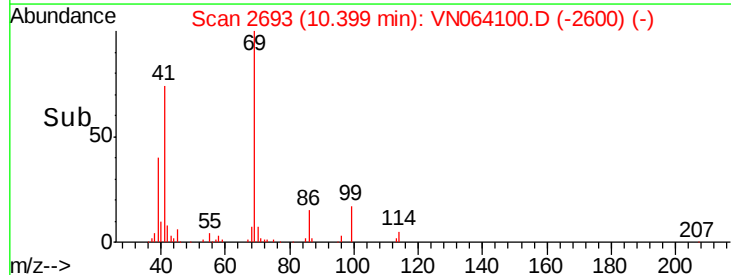
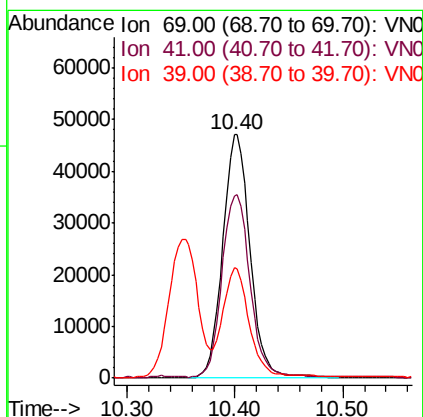
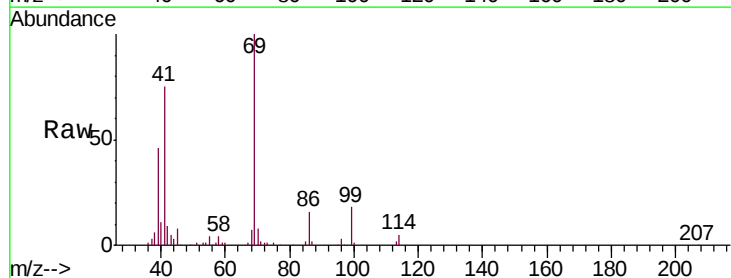
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

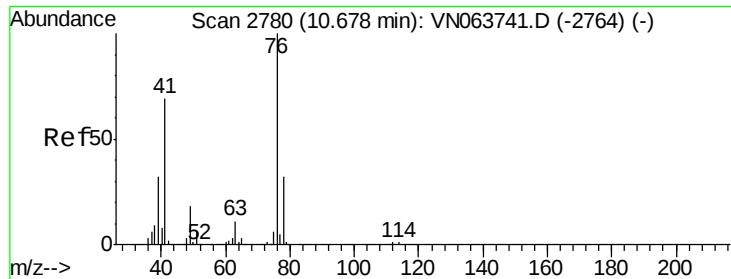
Tgt Ion: 97 Resp: 57471
 Ion Ratio Lower Upper
 97 100
 83 89.9 70.7 106.1
 85 59.4 46.1 69.1
 99 64.4 48.8 73.2



#56
 Ethyl methacrylate
 Concen: 19.784 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion: 69 Resp: 83173
 Ion Ratio Lower Upper
 69 100
 41 76.7 61.1 91.7
 39 43.1 42.2 63.4





#57

1,3-Dichloropropane

Concen: 19.558 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

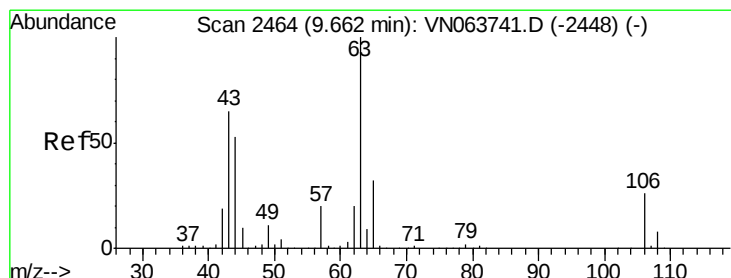
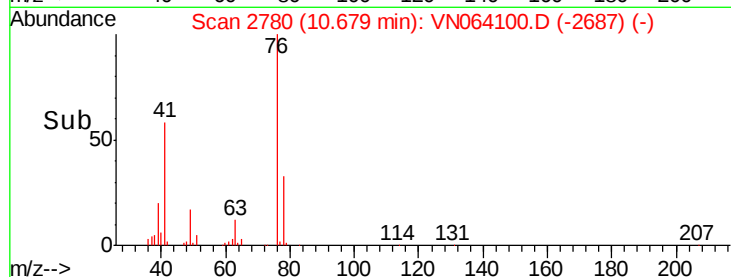
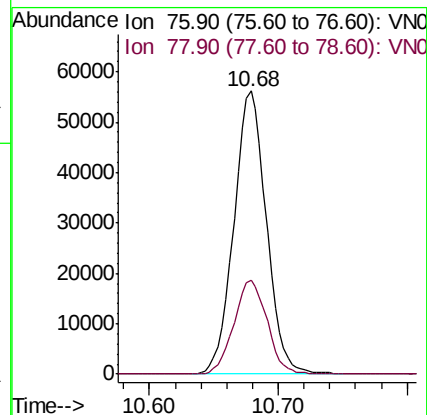
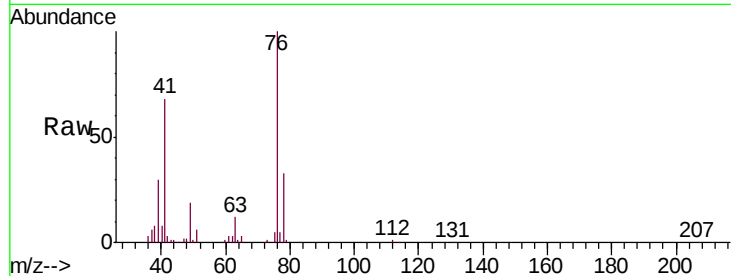
VN1013WBS01

Tgt Ion: 76 Resp: 98140

Ion Ratio Lower Upper

76 100

78 33.9 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 99.495 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064100.D

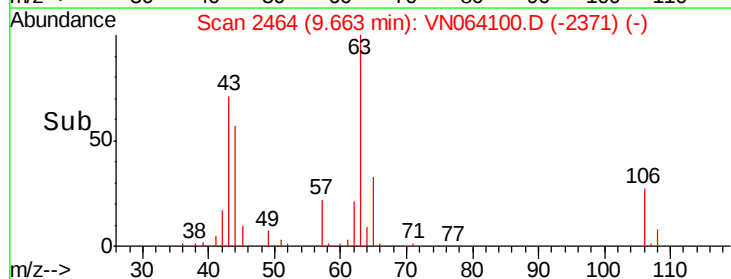
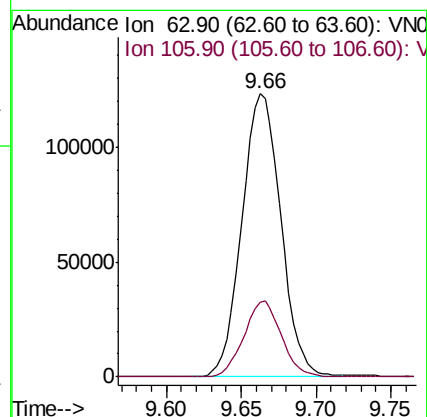
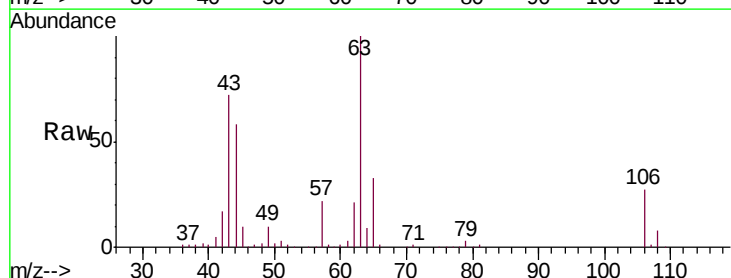
Acq: 13 Oct 2020 14:35

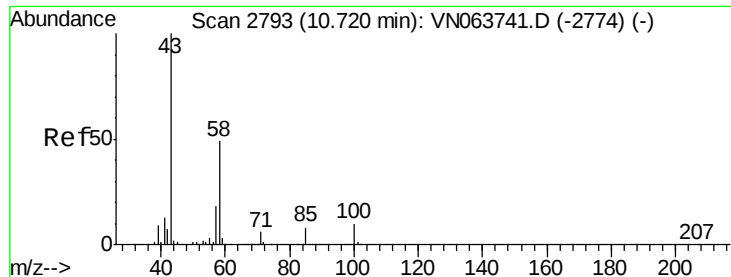
Tgt Ion: 63 Resp: 223746

Ion Ratio Lower Upper

63 100

106 25.7 20.7 31.1

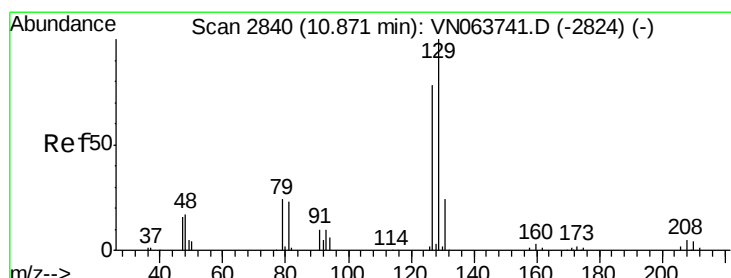
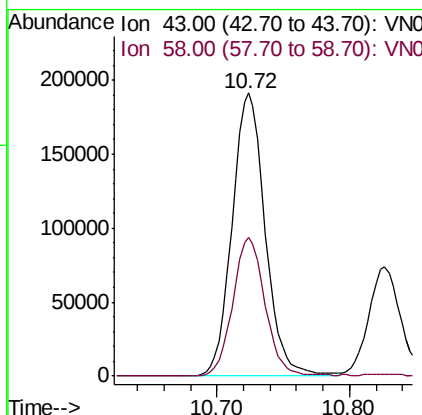
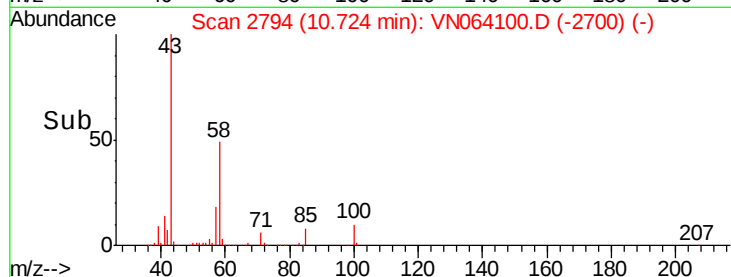
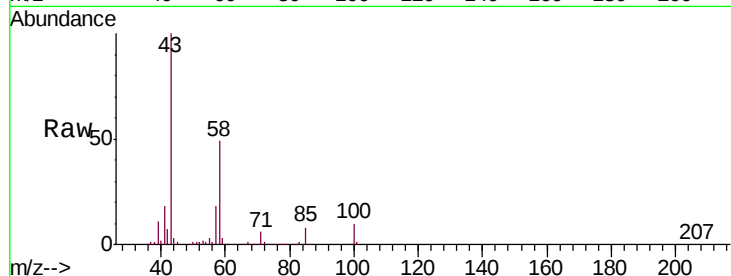




#59
2-Hexanone
Concen: 109.893 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

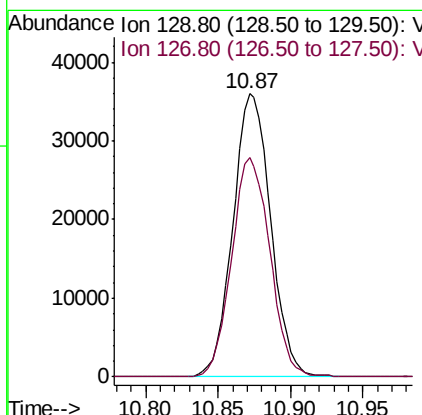
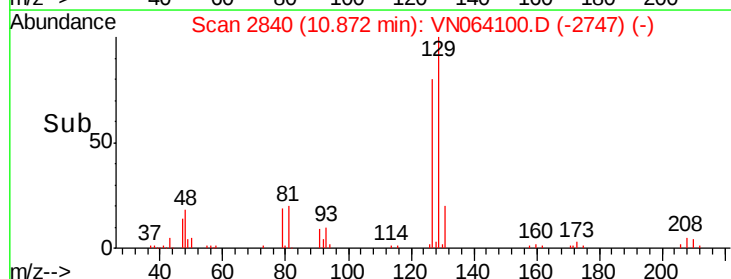
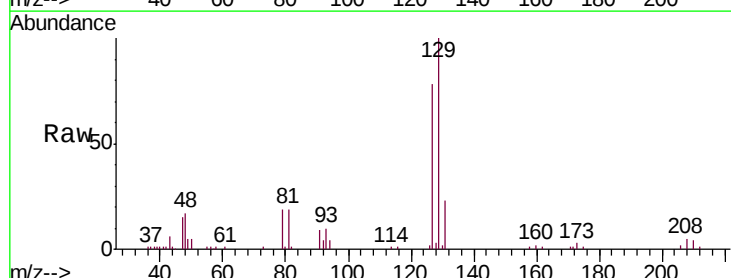
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

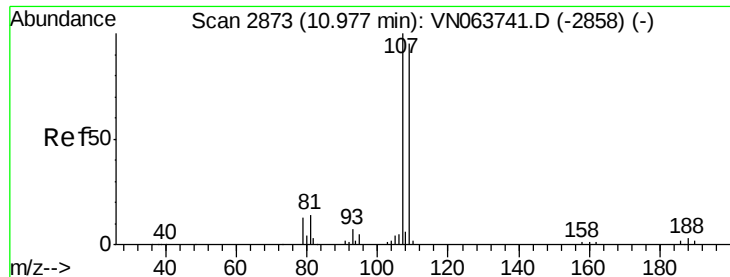
Tgt Ion: 43 Resp: 328652
Ion Ratio Lower Upper
43 100
58 47.9 24.6 73.8



#60
Dibromochloromethane
Concen: 18.872 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 129 Resp: 65184
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.190 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

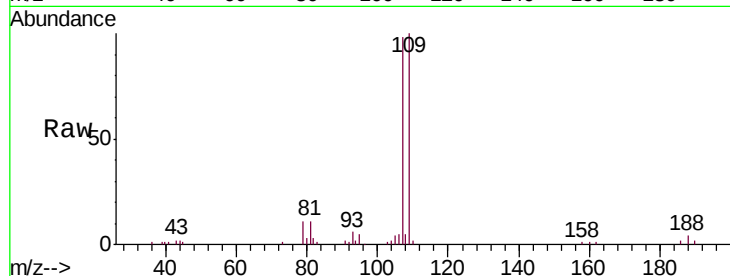
VN1013WBS01

Tgt Ion: 107 Resp: 58221

Ion Ratio Lower Upper

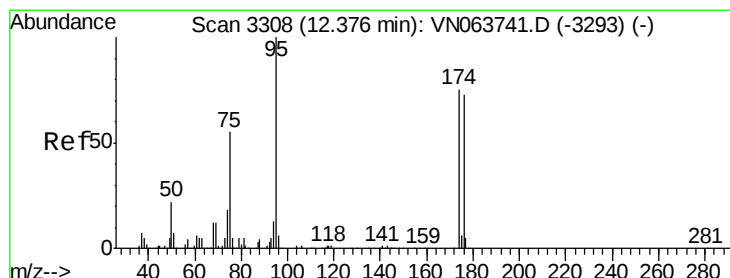
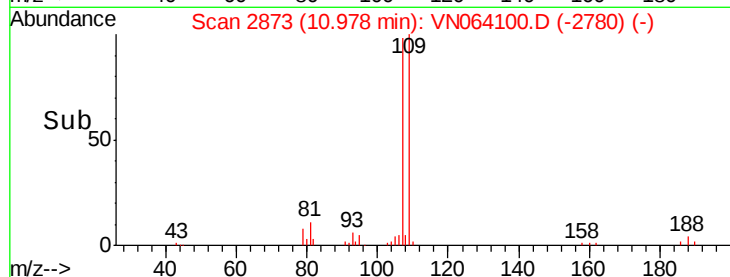
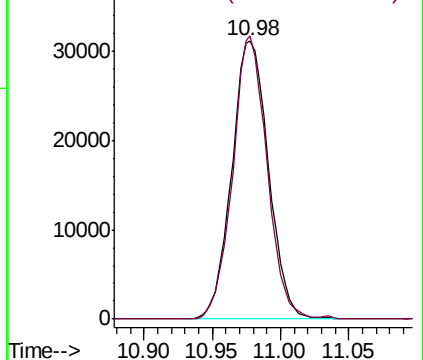
107 100

109 95.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.641 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

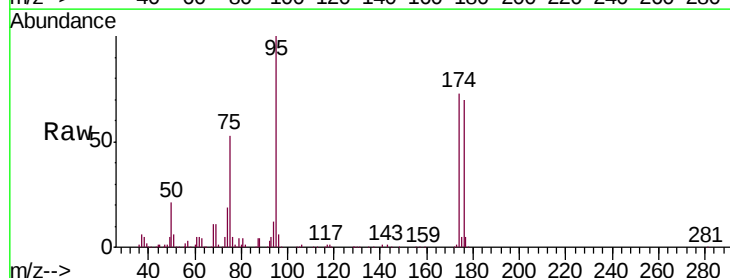
Tgt Ion: 95 Resp: 186481

Ion Ratio Lower Upper

95 100

174 73.8 0.0 150.6

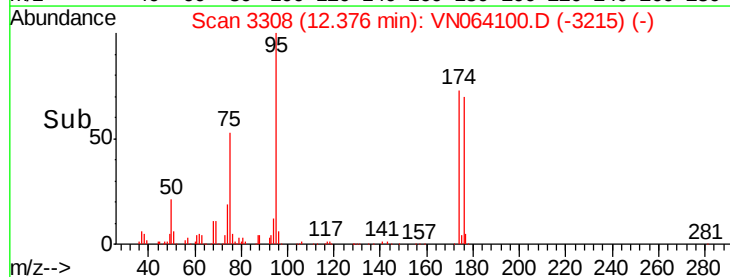
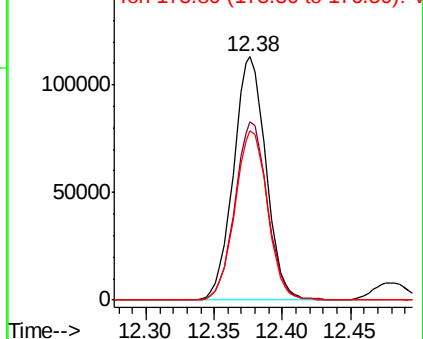
176 70.2 0.0 145.4

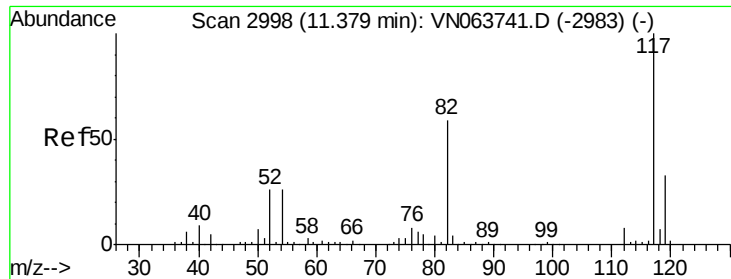


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

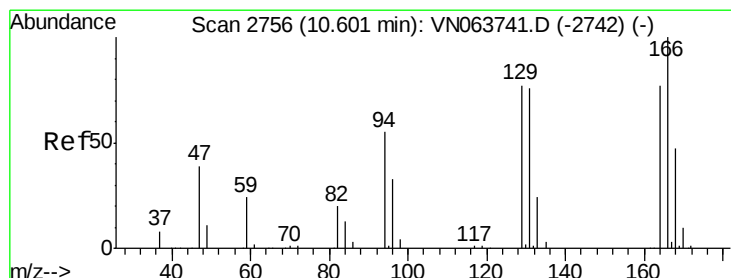
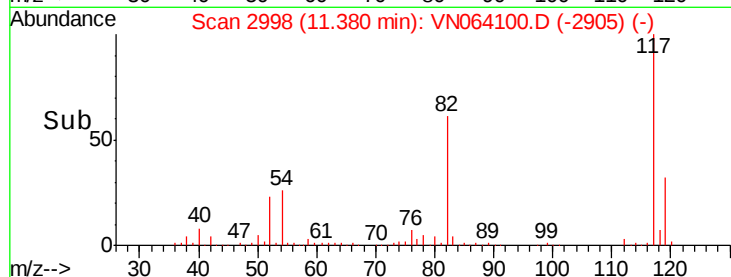
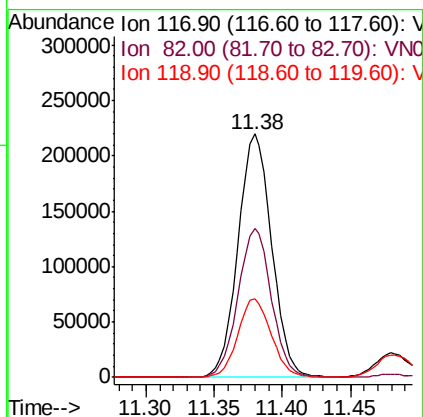
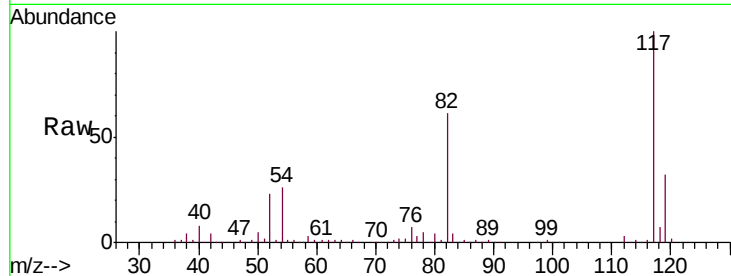




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

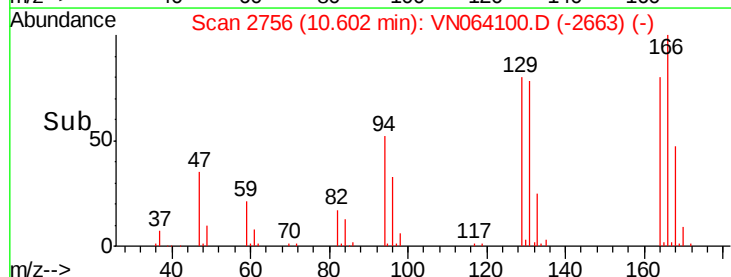
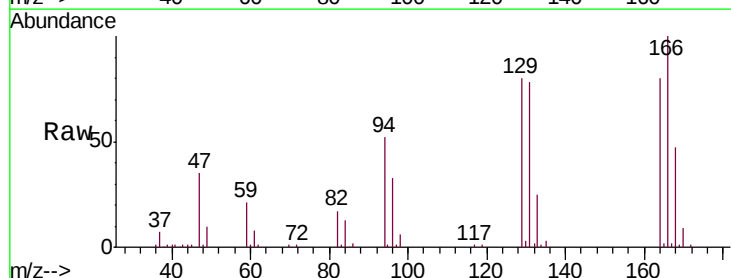
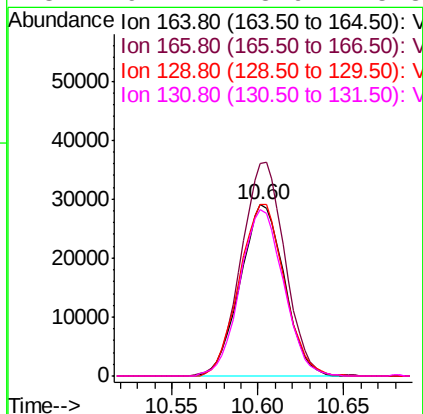
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

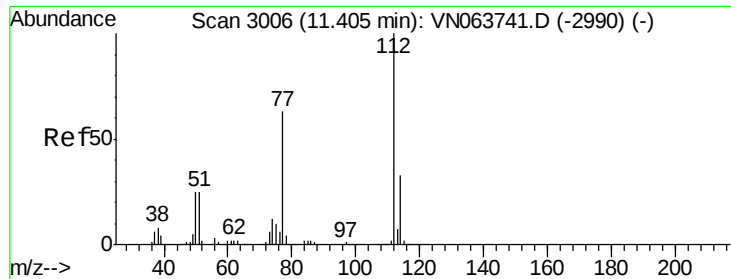
Tgt Ion:117 Resp: 377425
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 32.1 26.4 39.6



#64
Tetrachloroethene
Concen: 17.744 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion:164 Resp: 51814
Ion Ratio Lower Upper
164 100
166 124.6 103.9 155.9
129 100.2 80.3 120.5
131 97.4 78.9 118.3

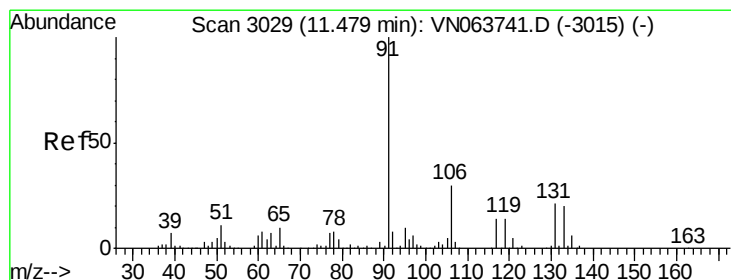
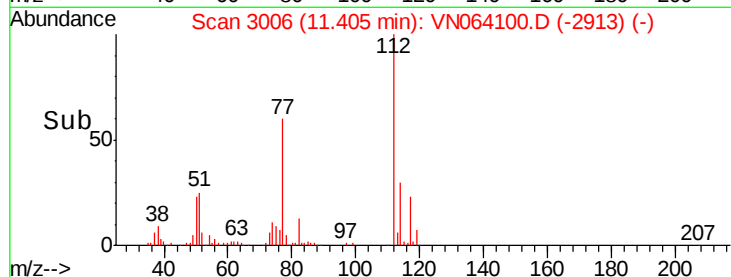
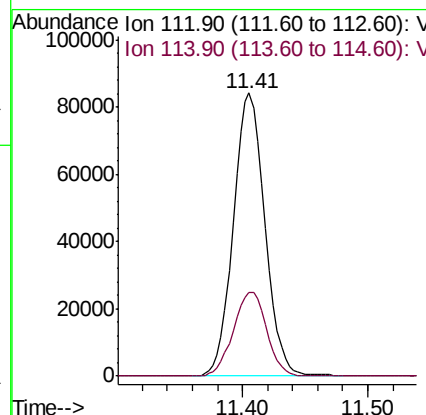
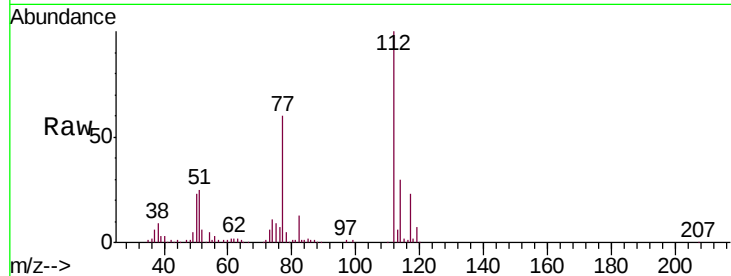




#65
Chlorobenzene
Concen: 18.944 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

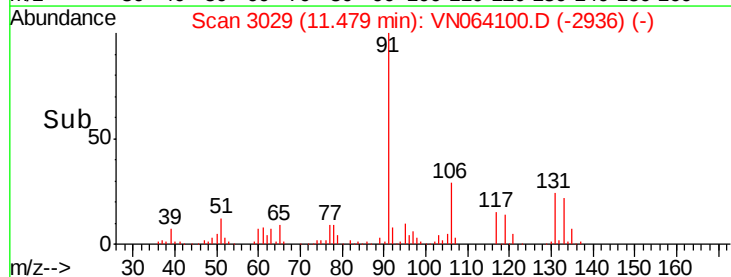
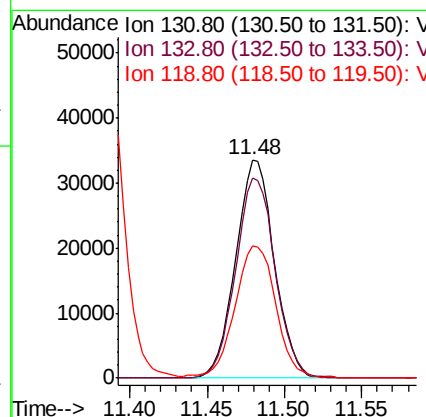
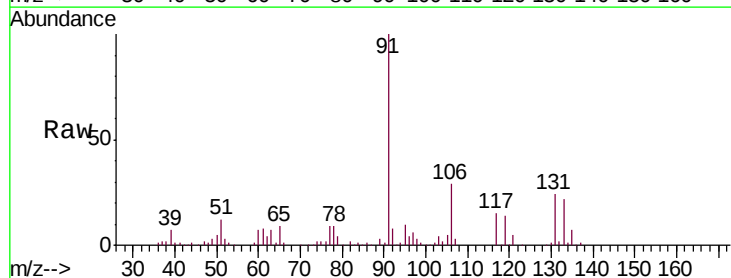
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

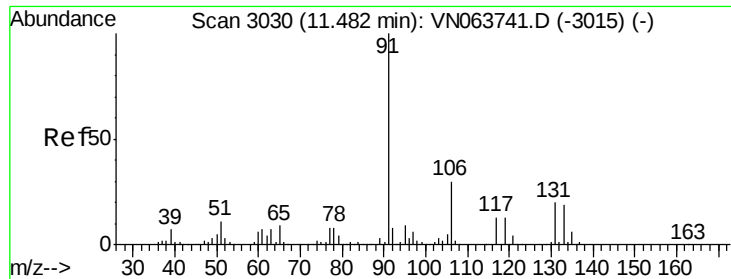
Tgt Ion:112 Resp: 146670
Ion Ratio Lower Upper
112 100
114 29.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.633 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion:131 Resp: 58272
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.8
119 64.2 32.6 97.7

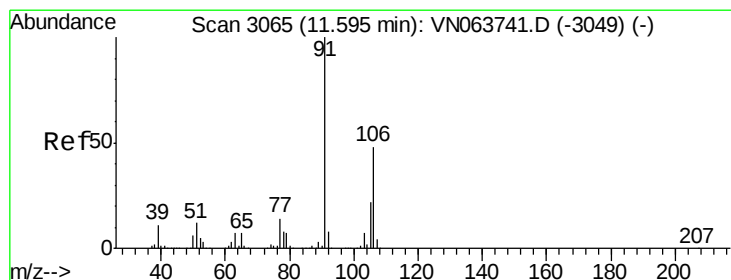
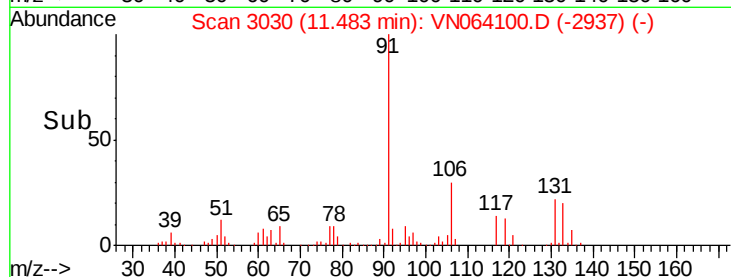
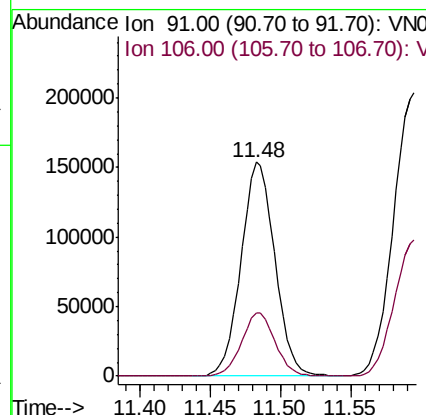
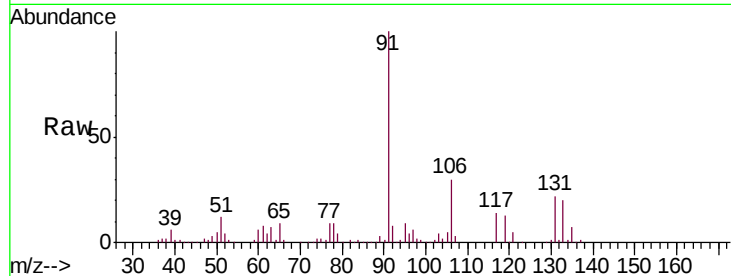




#67
Ethyl Benzene
Concen: 18.370 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

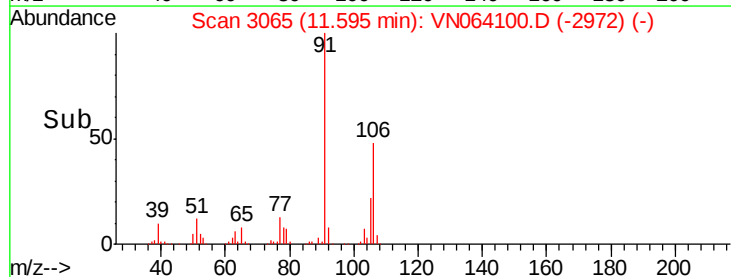
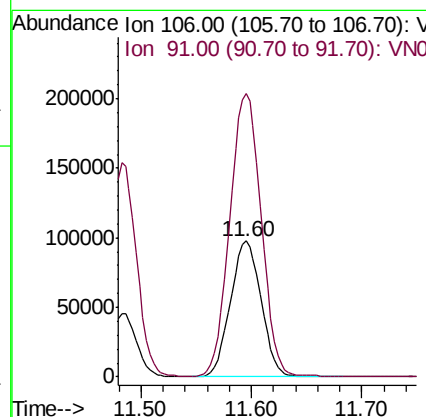
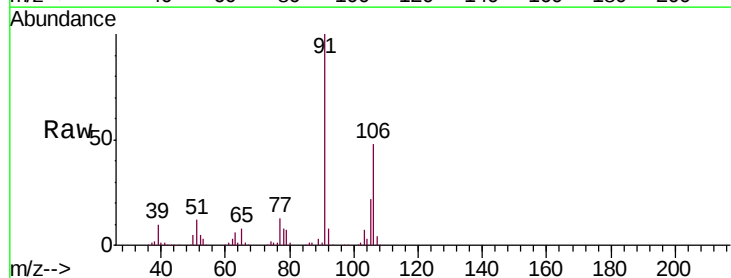
Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

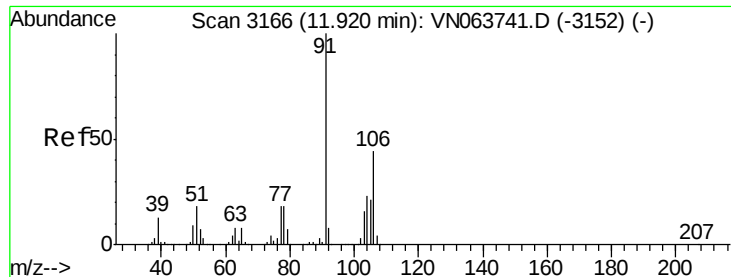
Tgt Ion: 91 Resp: 258799
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.2



#68
m/p-Xylenes
Concen: 36.046 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion: 106 Resp: 189262
Ion Ratio Lower Upper
106 100
91 211.4 168.0 252.0

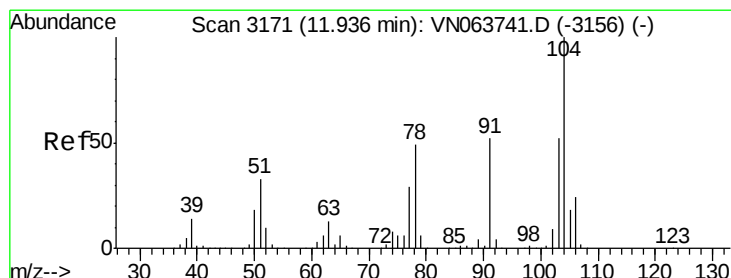
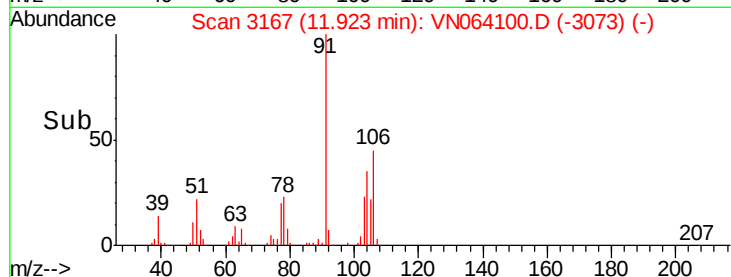
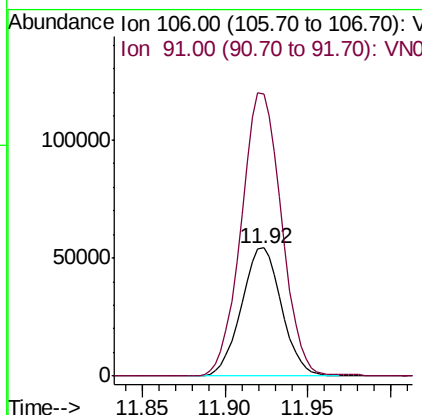
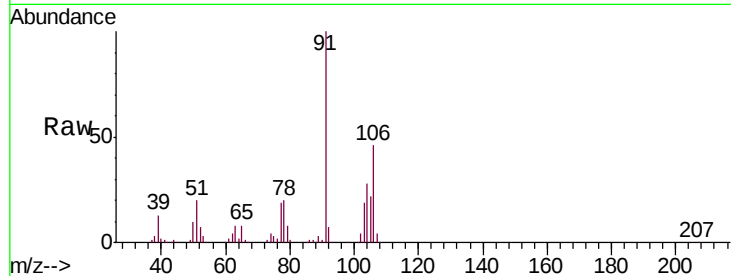




#69
o-Xylene
Concen: 18.685 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

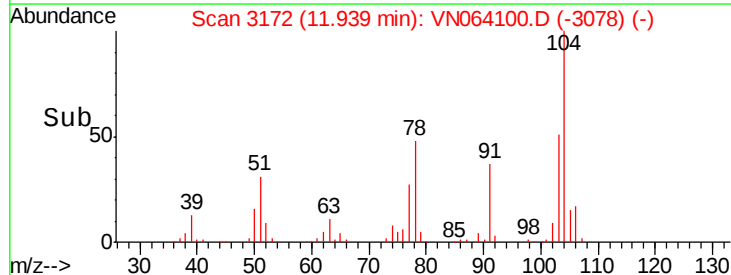
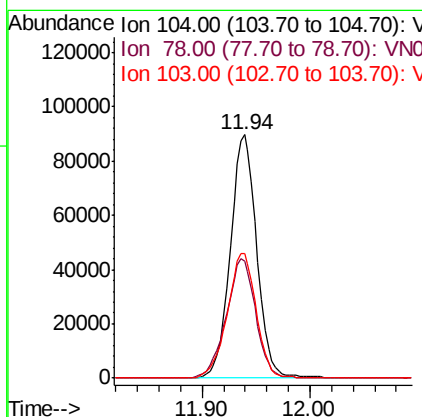
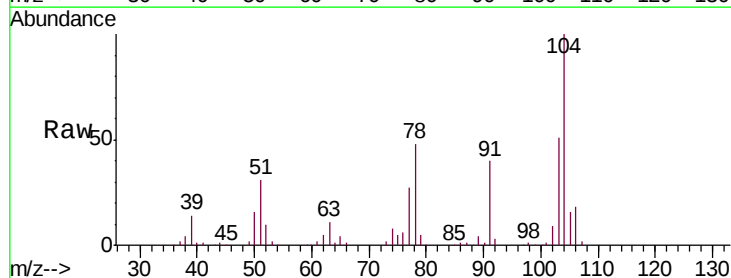
Instrument :
MSVOA_N
ClientSampled :
VN1013WBS01

Tgt Ion:106 Resp: 91697
Ion Ratio Lower Upper
106 100
91 220.7 112.7 338.0



#70
Styrene
Concen: 18.356 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion:104 Resp: 152915
Ion Ratio Lower Upper
104 100
78 55.0 44.1 66.1
103 56.3 44.3 66.5





#71

Bromoform

Concen: 19.276 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

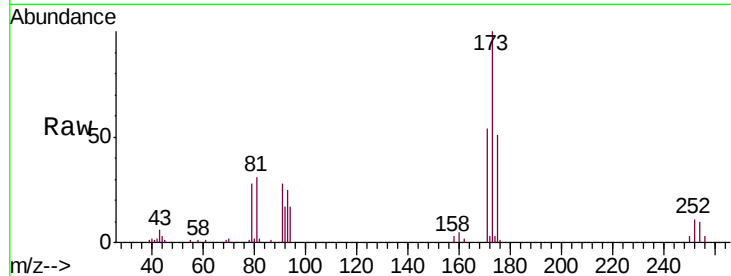
Tgt Ion:173 Resp: 43757

Ion Ratio Lower Upper

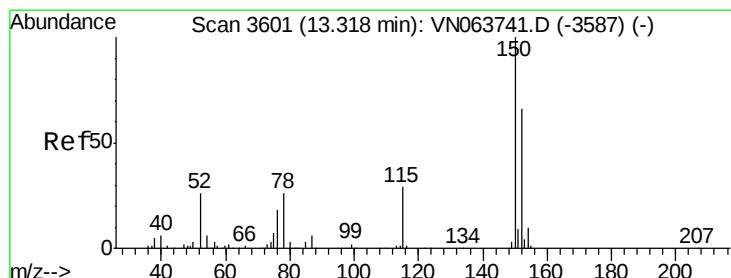
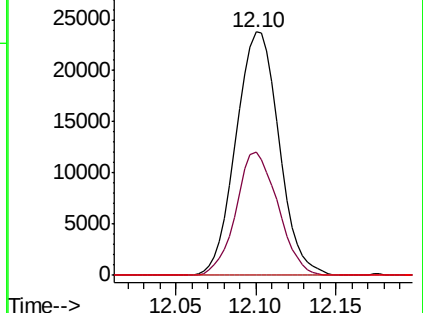
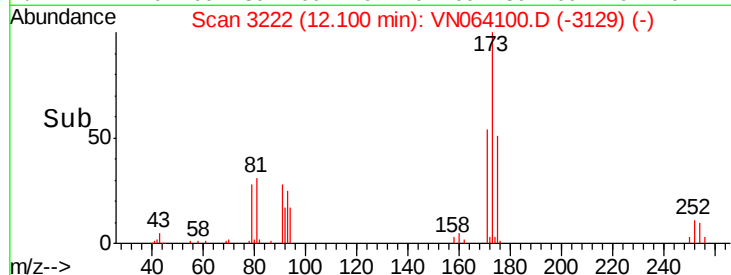
173 100

175 49.0 23.5 70.5

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: VN064100.D

Acq: 13 Oct 2020 14:35

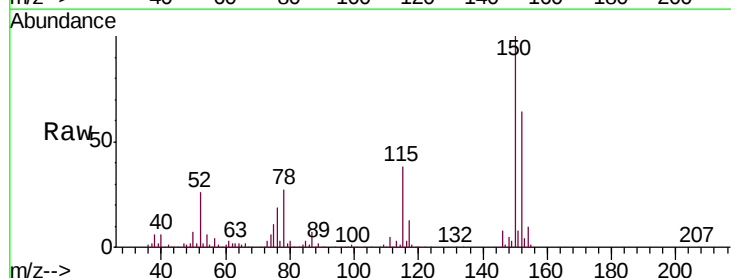
Tgt Ion:152 Resp: 170741

Ion Ratio Lower Upper

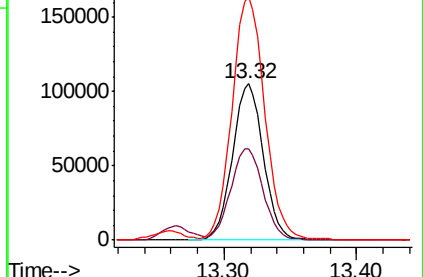
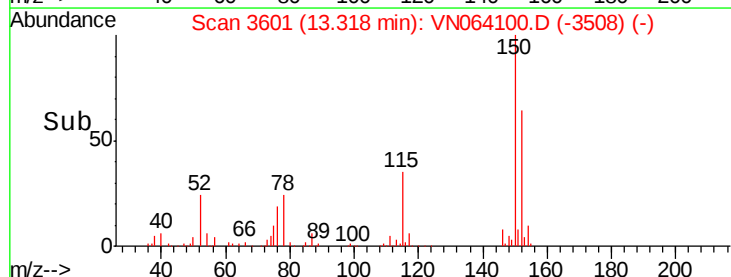
152 100

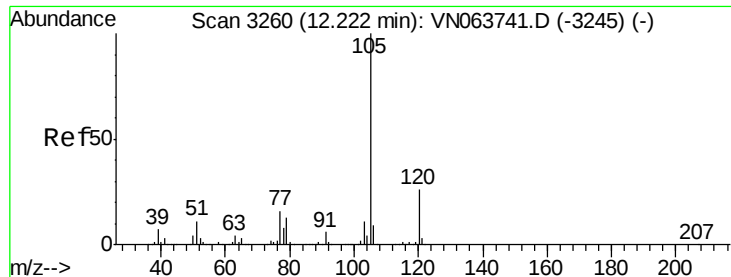
115 60.8 31.3 93.8

150 164.0 0.0 341.8



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





#73

Isopropylbenzene

Concen: 19.318 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

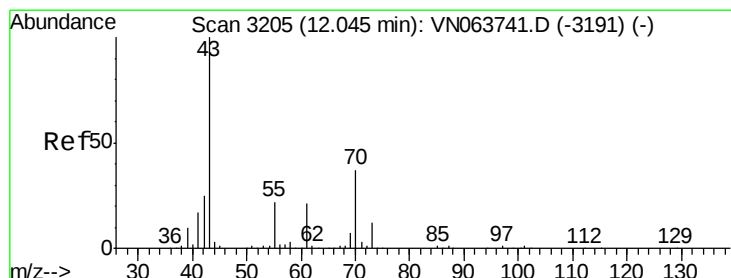
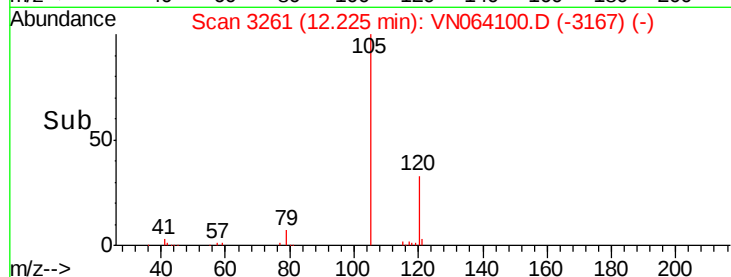
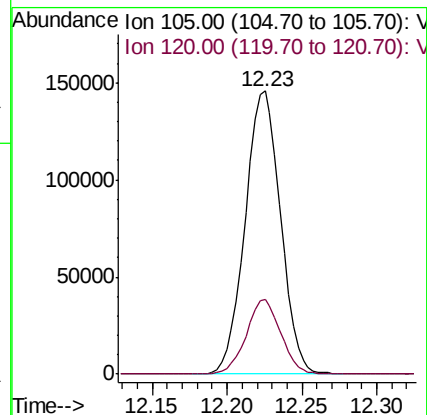
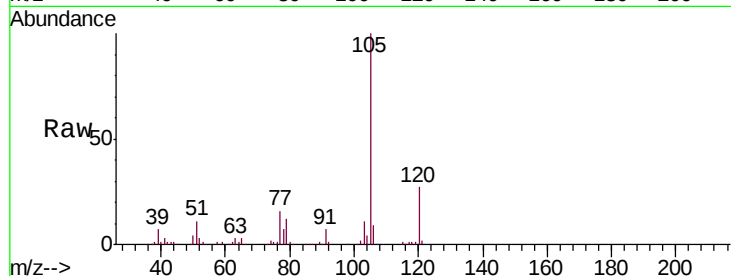
VN1013WBS01

Tgt Ion: 105 Resp: 240587

Ion Ratio Lower Upper

105 100

120 25.6 12.6 37.8



#74

N-ethyl acetate

Concen: 21.204 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Tgt Ion: 43 Resp: 115007

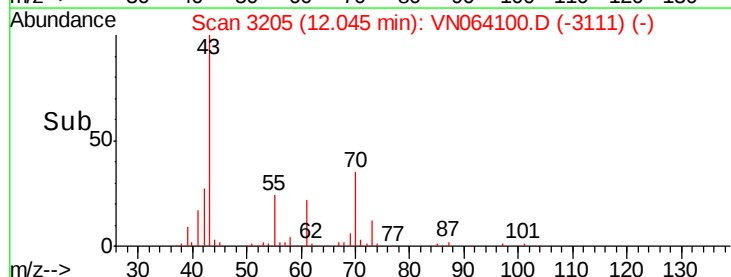
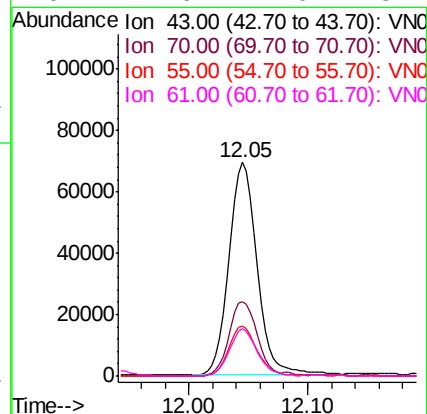
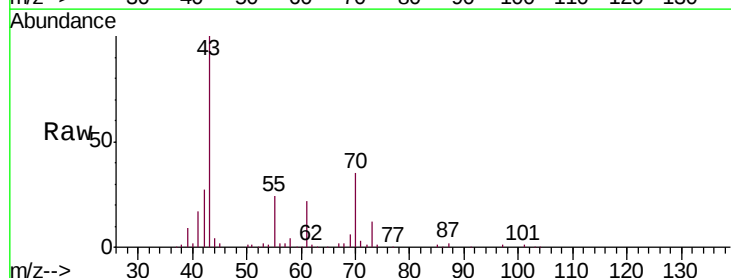
Ion Ratio Lower Upper

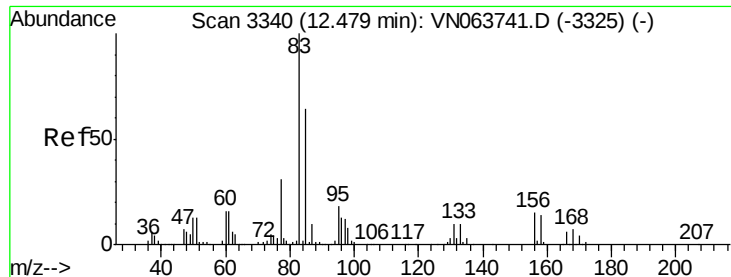
43 100

70 35.4 29.8 44.8

55 23.6 17.9 26.9

61 21.6 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.342 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

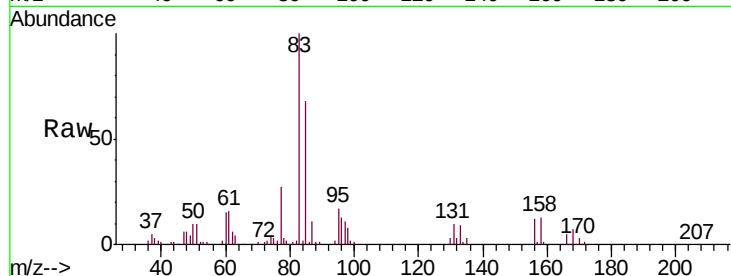
Tgt Ion: 83 Resp: 85083

Ion Ratio Lower Upper

83 100

131 9.7 5.3 15.8

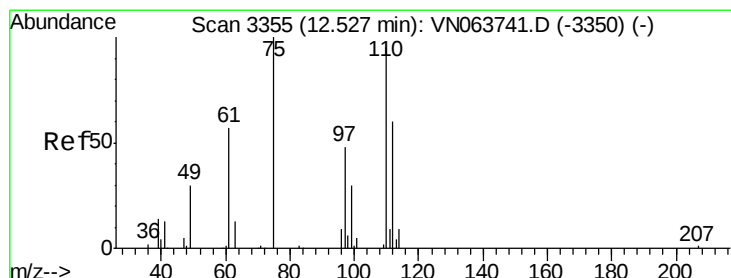
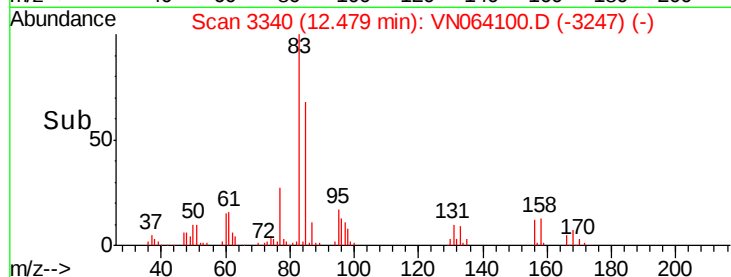
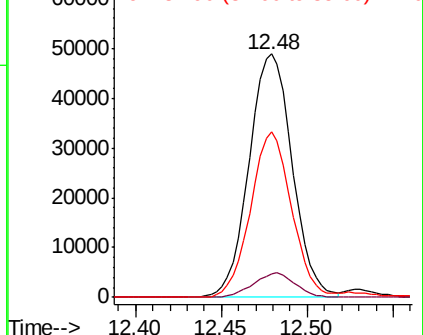
85 64.2 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VN064100.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN064100.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN064100.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 30.700 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064100.D

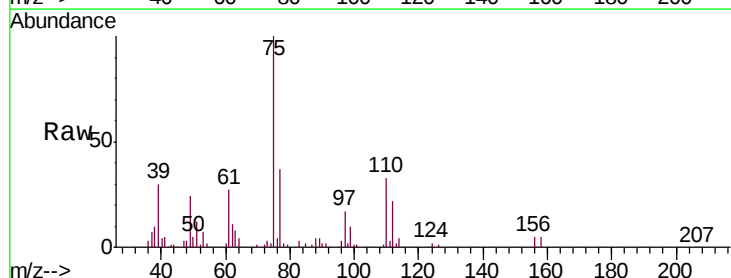
Acq: 13 Oct 2020 14:35

Tgt Ion: 75 Resp: 115548

Ion Ratio Lower Upper

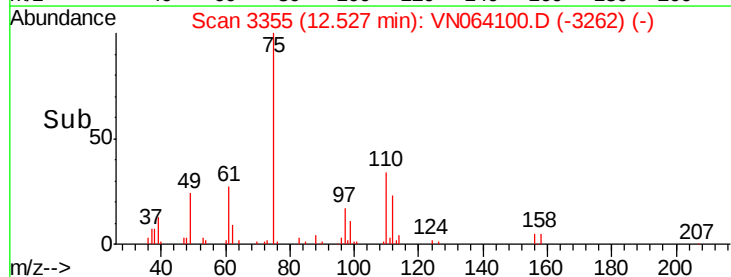
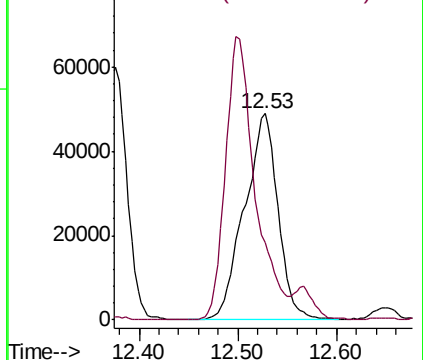
75 100

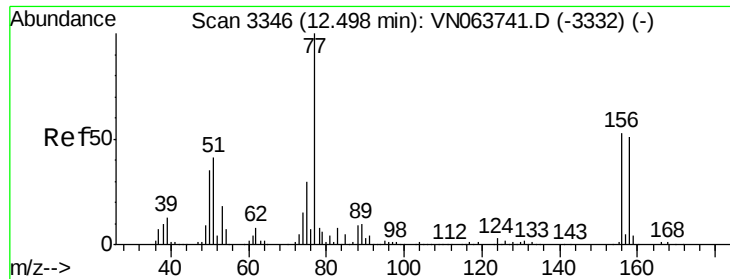
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064100.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064100.D (-3262) (-)





#77

Bromobenzene

Concen: 20.164 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VN1013WBS01

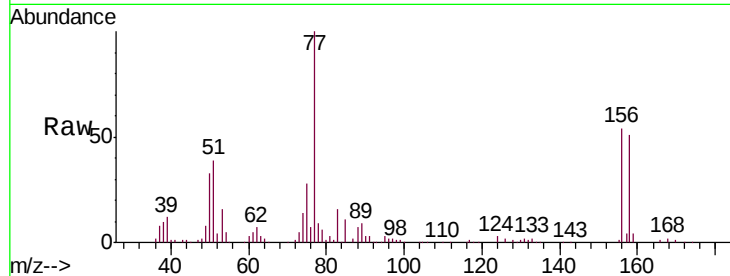
Tgt Ion:156 Resp: 61619

Ion Ratio Lower Upper

156 100

77 228.8 110.9 332.7

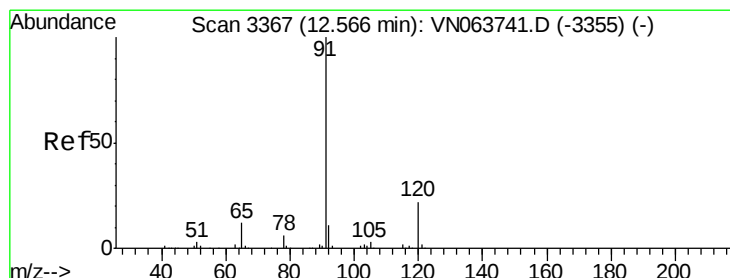
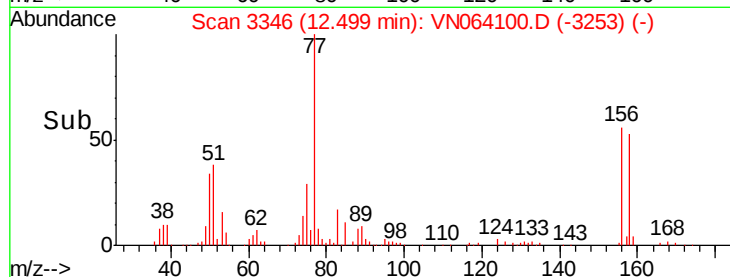
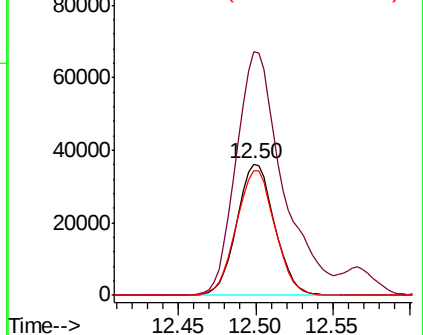
158 97.0 47.7 143.1



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: 18.874 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064100.D

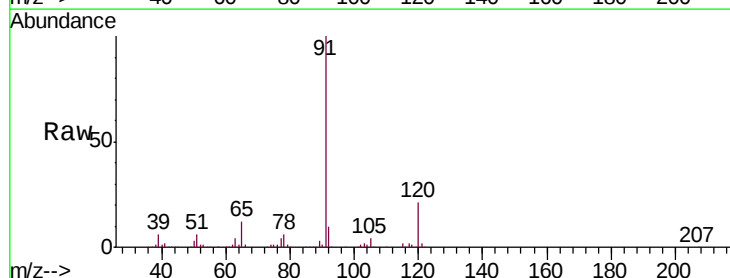
Acq: 13 Oct 2020 14:35

Tgt Ion: 91 Resp: 273560

Ion Ratio Lower Upper

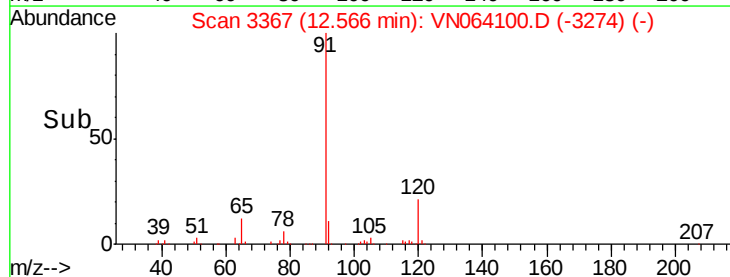
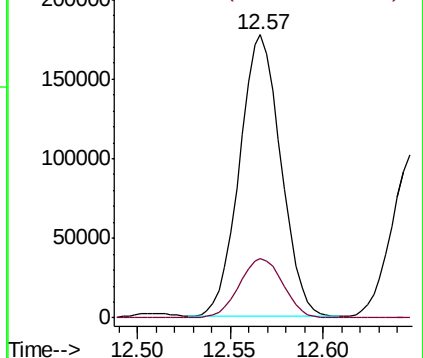
91 100

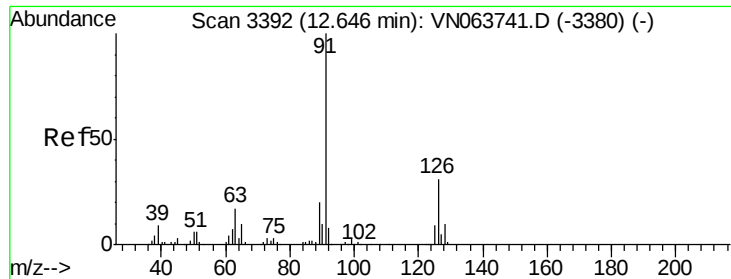
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.333 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

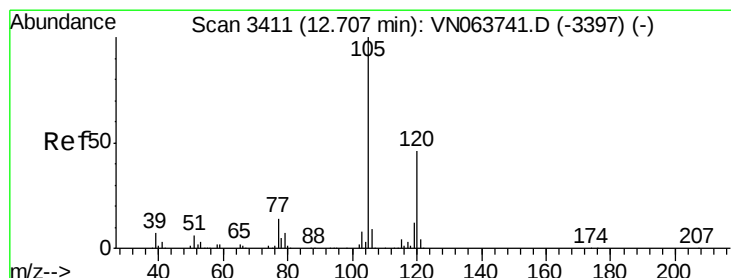
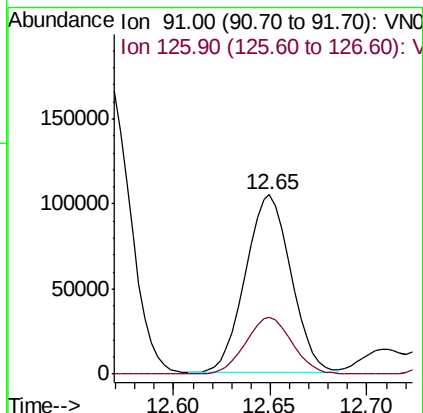
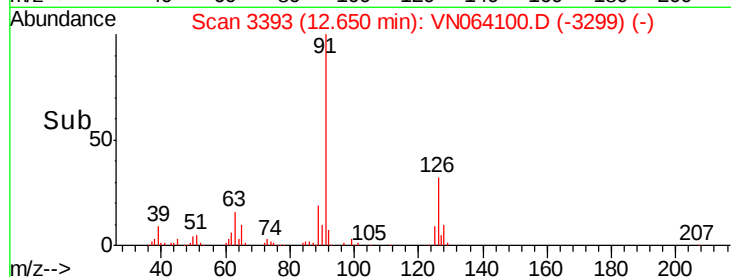
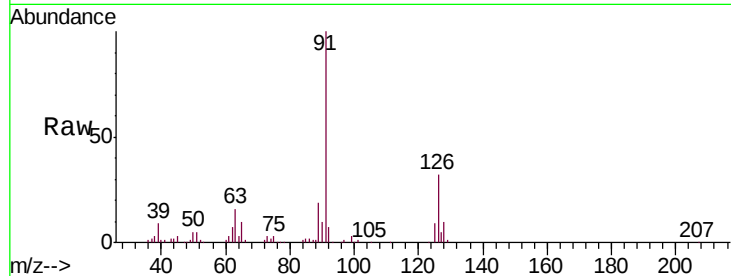
VN1013WBS01

Tgt Ion: 91 Resp: 172333

Ion Ratio Lower Upper

91 100

126 32.5 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 19.690 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064100.D

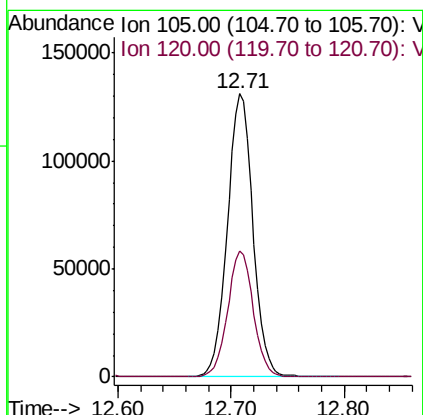
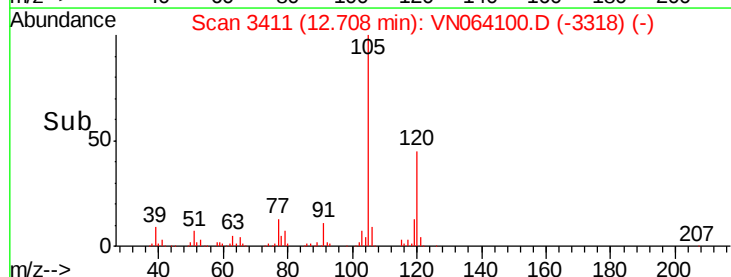
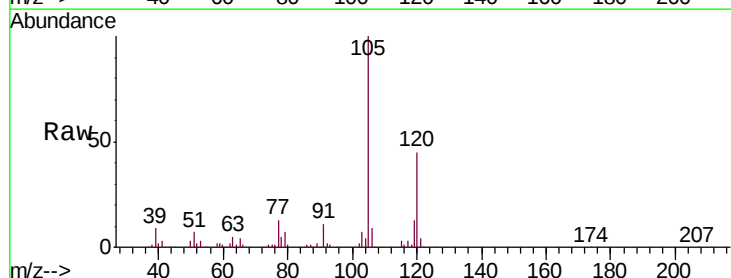
Acq: 13 Oct 2020 14:35

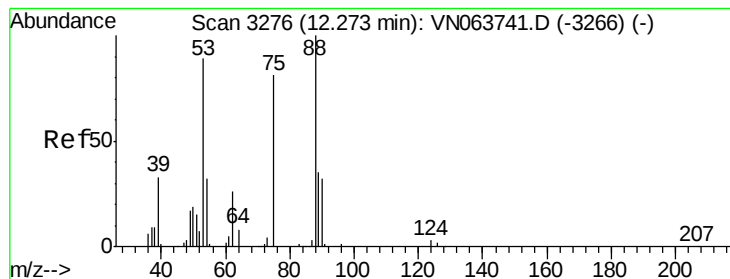
Tgt Ion: 105 Resp: 205718

Ion Ratio Lower Upper

105 100

120 44.4 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 21.171 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VN1013WBS01

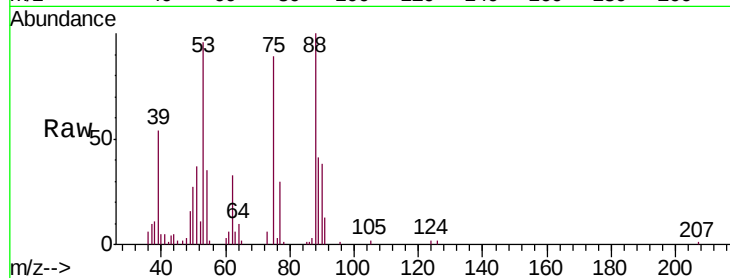
Tgt Ion: 75 Resp: 27667

Ion Ratio Lower Upper

75 100

53 112.3 88.2 132.2

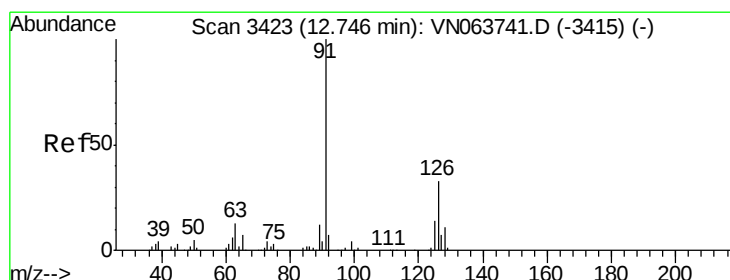
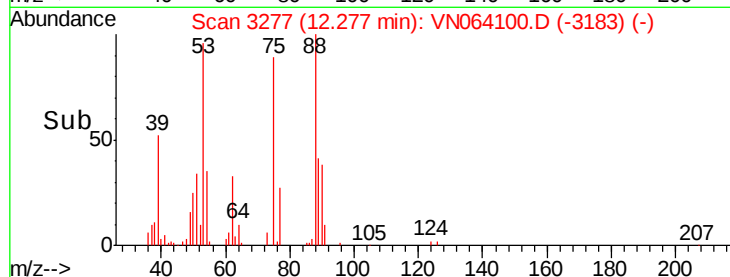
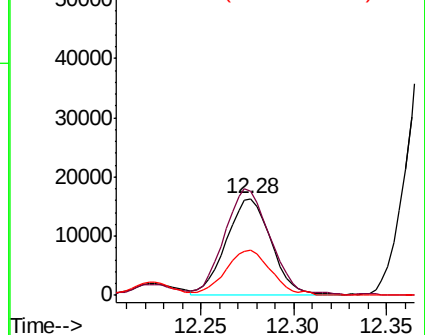
89 47.2 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.395 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064100.D

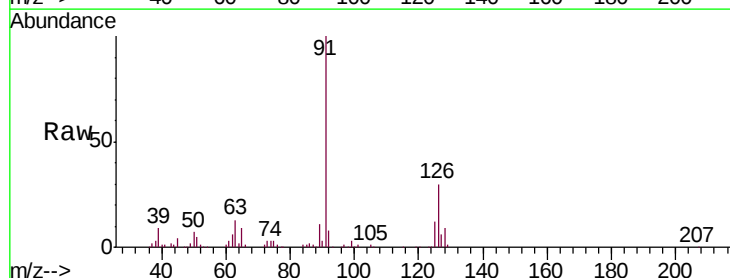
Acq: 13 Oct 2020 14:35

Tgt Ion: 91 Resp: 179470

Ion Ratio Lower Upper

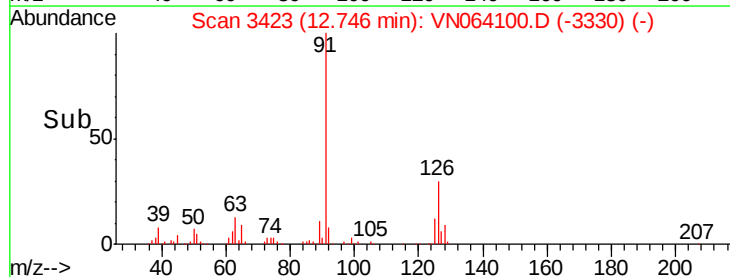
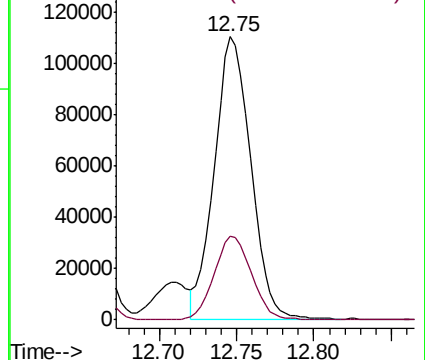
91 100

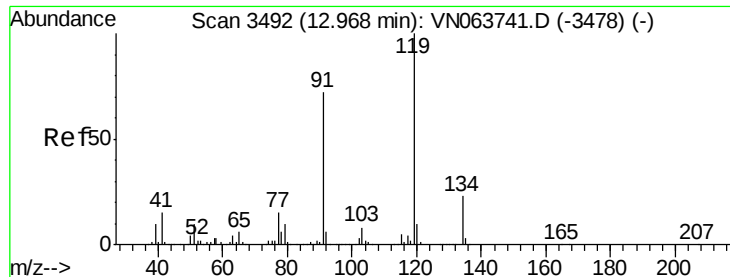
126 30.2 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

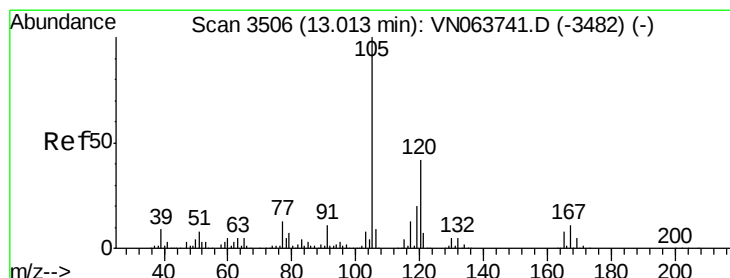
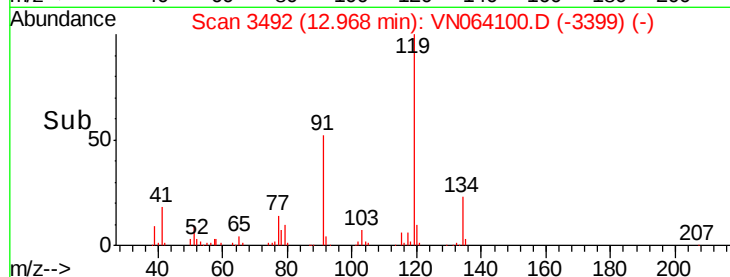
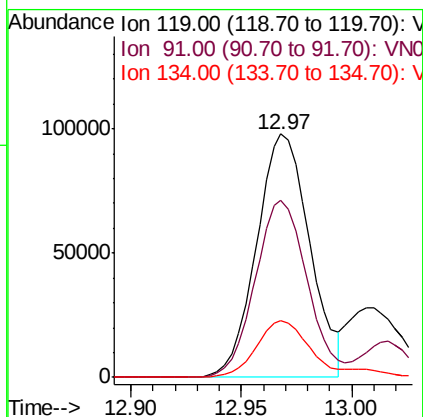
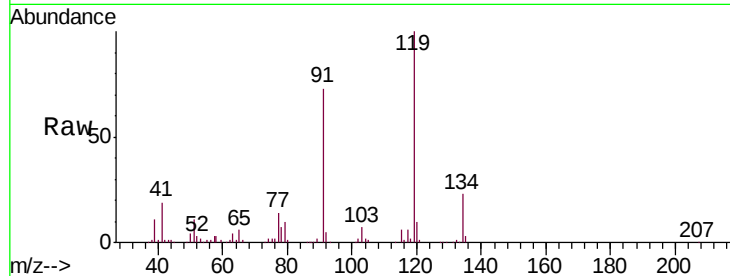




#83
 tert-Butylbenzene
 Concen: 19.160 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

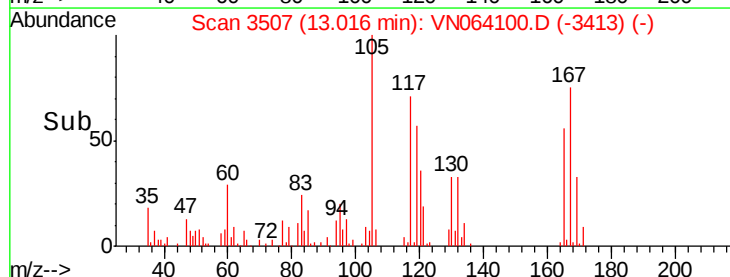
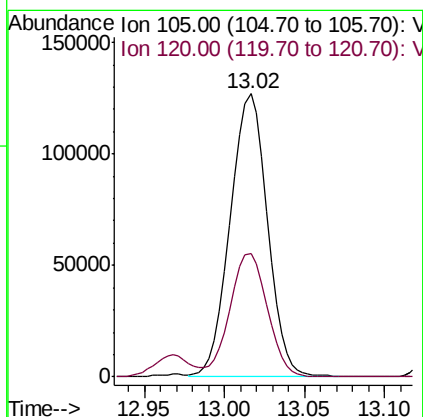
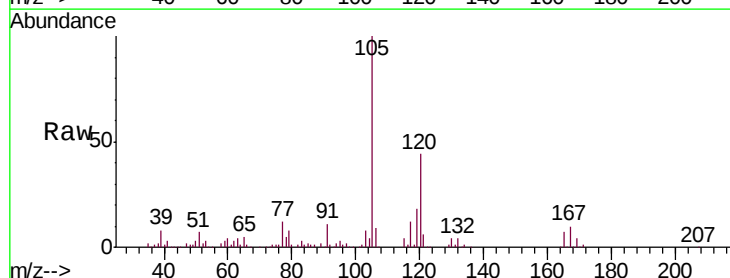
Instrument :
 MSVOA_N
 ClientSampled :
 VN1013WBS01

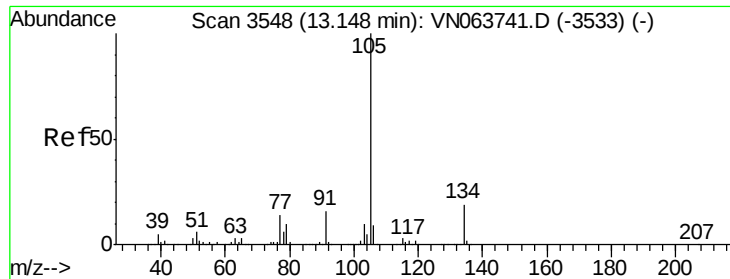
Tgt Ion:119 Resp: 163745
 Ion Ratio Lower Upper
 119 100
 91 71.3 35.5 106.5
 134 22.9 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.150 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion:105 Resp: 199765
 Ion Ratio Lower Upper
 105 100
 120 44.2 20.9 62.7





#85

sec-Butylbenzene

Concen: 18.896 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

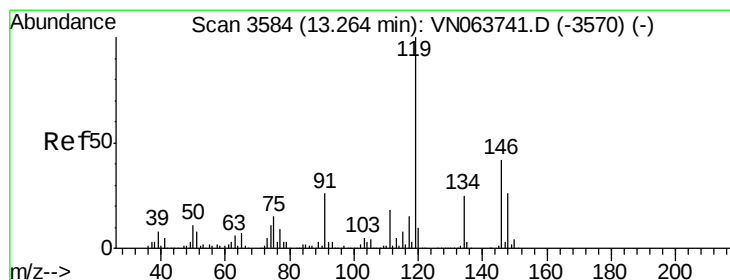
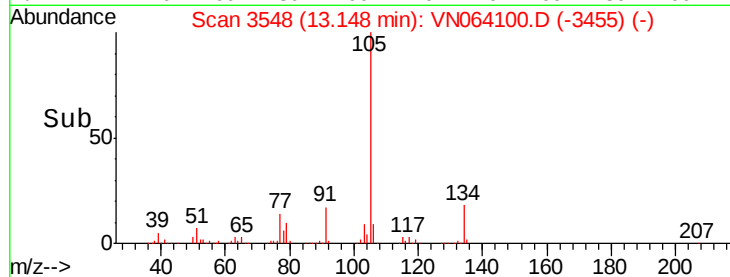
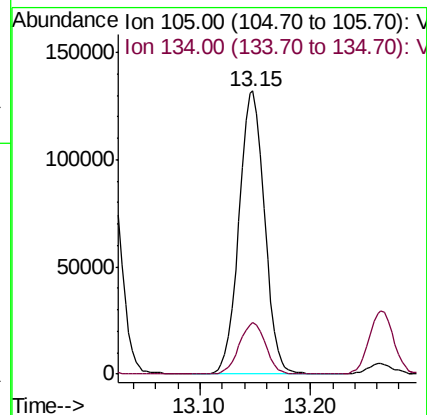
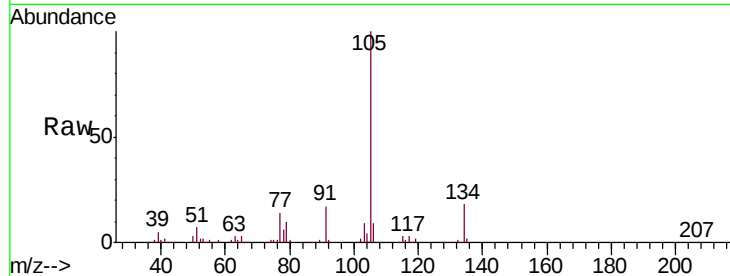
VN1013WBS01

Tgt Ion:105 Resp: 212103

Ion Ratio Lower Upper

105 100

134 18.7 9.5 28.5



#86

p-Isopropyltoluene

Concen: 18.595 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

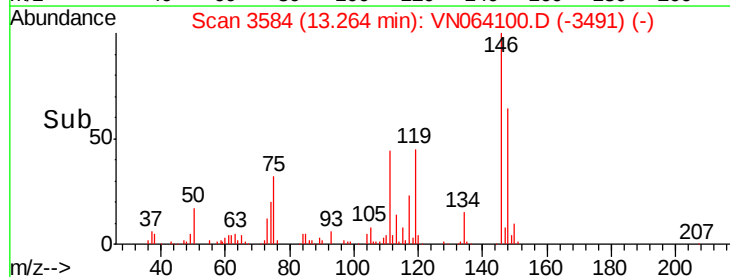
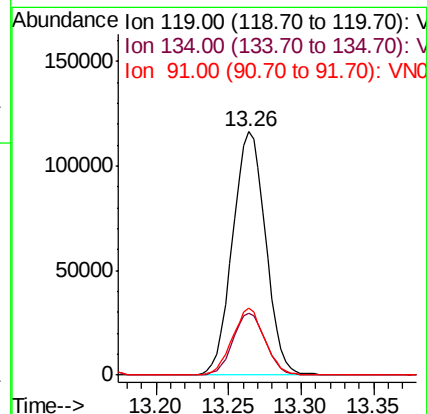
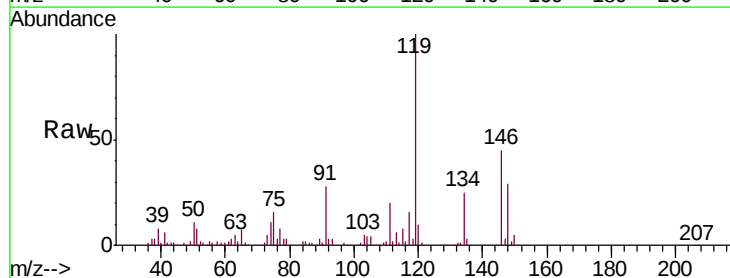
Tgt Ion:119 Resp: 184655

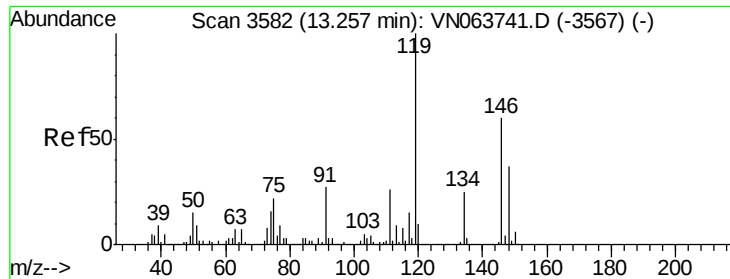
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 26.4 13.4 40.2

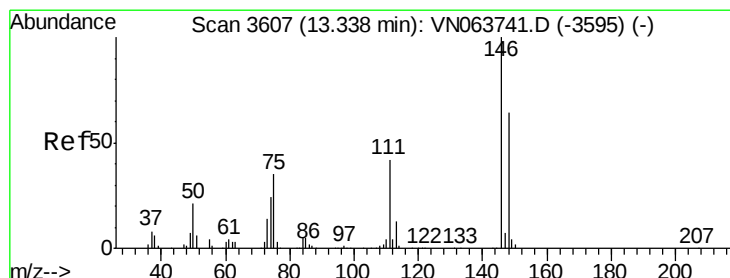
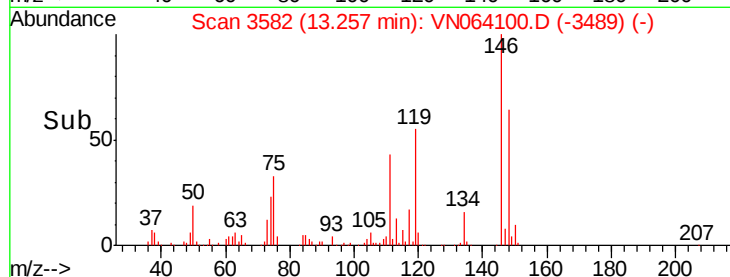
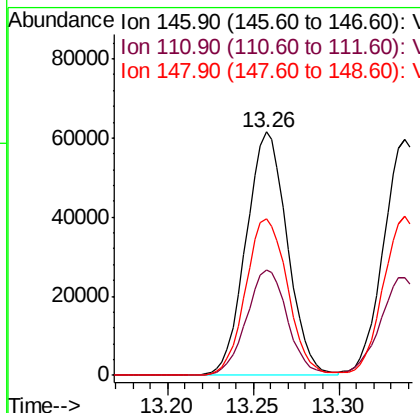
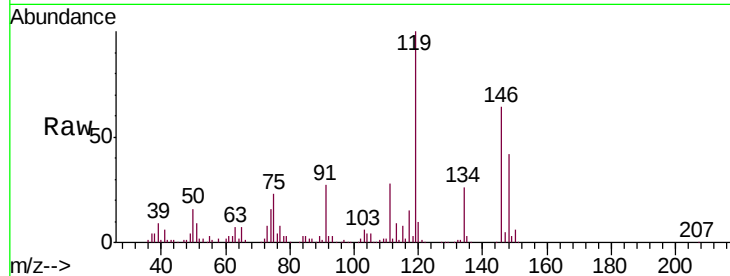




#87
 1,3-Dichlorobenzene
 Concen: 18.517 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

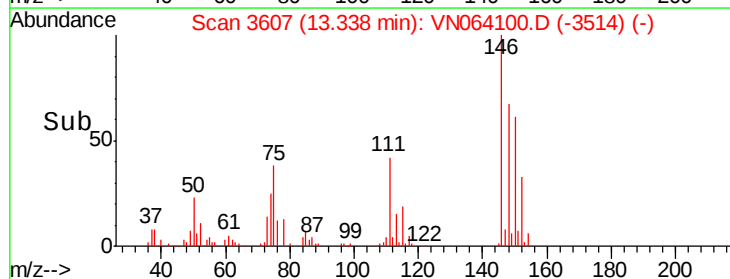
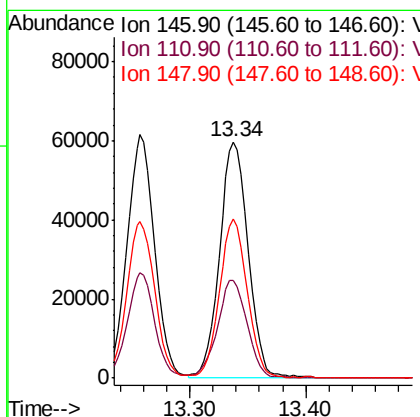
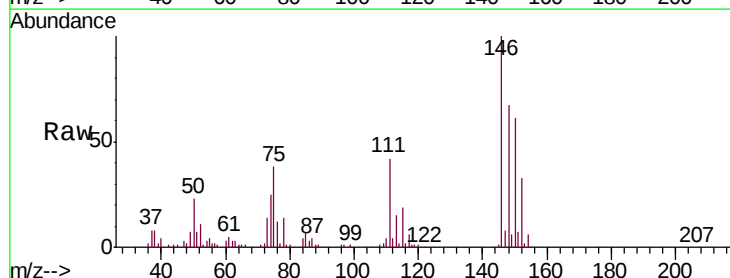
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

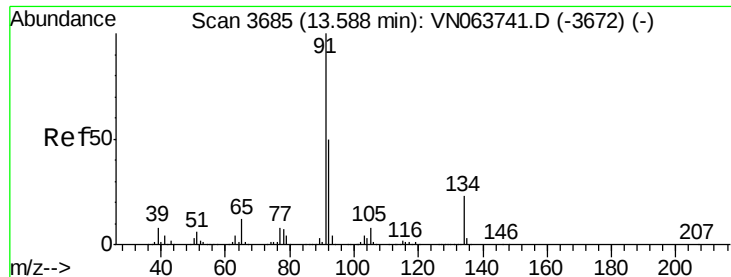
Tgt Ion:146 Resp: 102367
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.5 64.5
 148 65.2 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 17.871 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion:146 Resp: 102871
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.3 63.7
 148 64.4 32.0 96.0





#89

n-Butylbenzene

Concen: 16.097 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

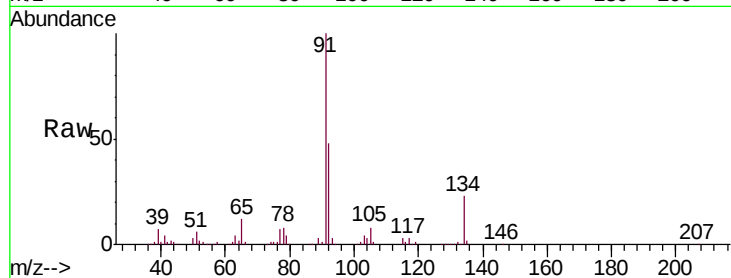
Tgt Ion: 91 Resp: 147529

Ion Ratio Lower Upper

91 100

92 48.1 25.4 76.4

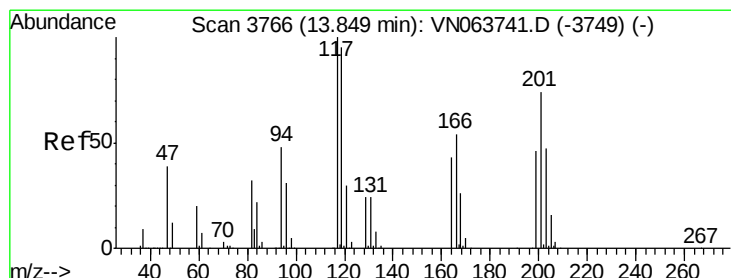
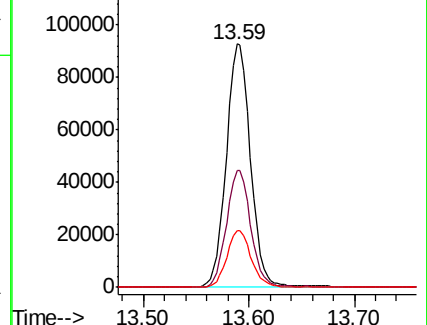
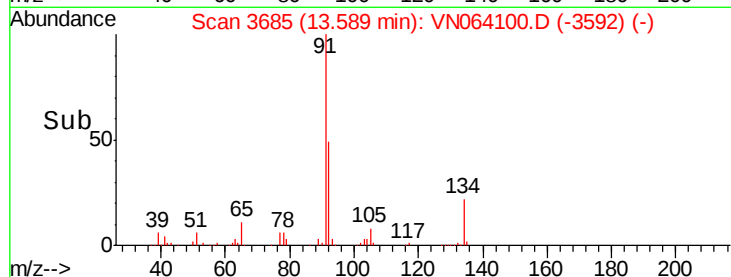
134 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN063741.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN063741.D (-3672) (-)



#90

Hexachloroethane

Concen: 19.558 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064100.D

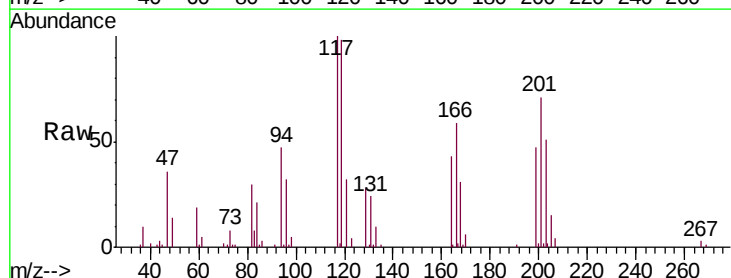
Acq: 13 Oct 2020 14:35

Tgt Ion: 117 Resp: 37634

Ion Ratio Lower Upper

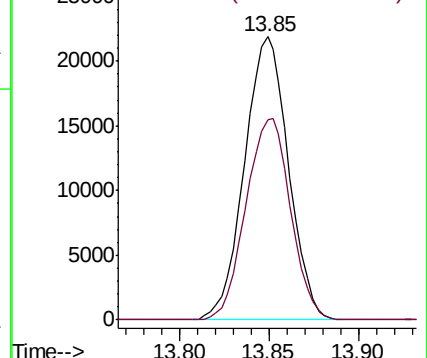
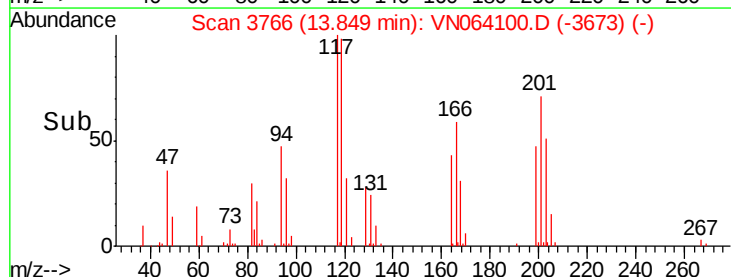
117 100

201 72.4 36.0 108.0



Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN063741.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.302 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS01

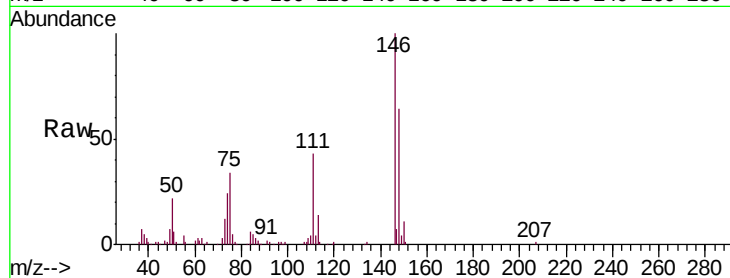
Tgt Ion:146 Resp: 105691

Ion Ratio Lower Upper

146 100

111 43.3 22.2 66.6

148 63.5 32.5 97.4

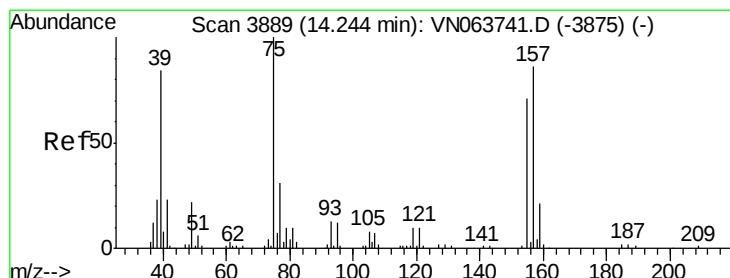
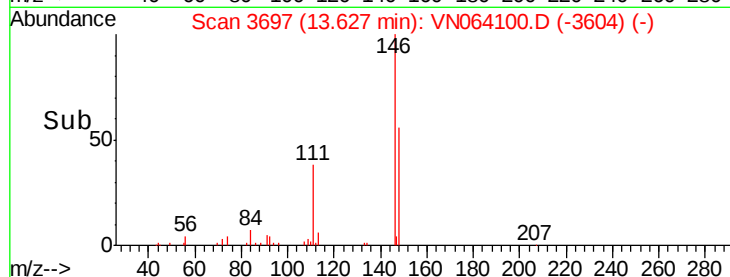
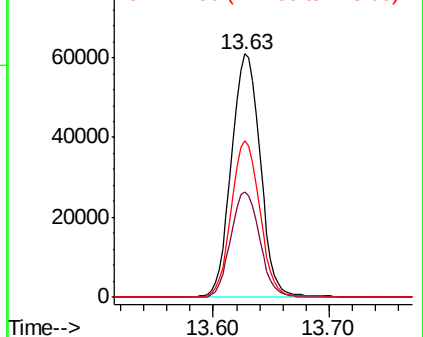


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.459 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064100.D

Acq: 13 Oct 2020 14:35

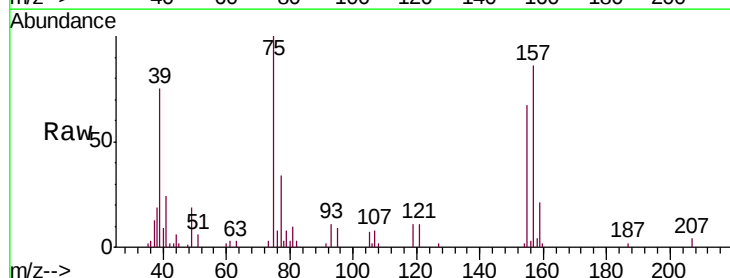
Tgt Ion: 75 Resp: 18272

Ion Ratio Lower Upper

75 100

155 69.0 34.8 104.5

157 88.2 43.7 131.1

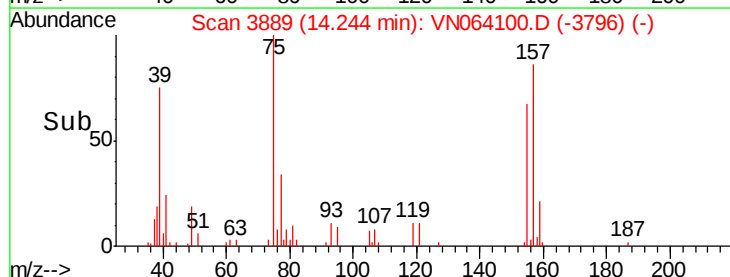
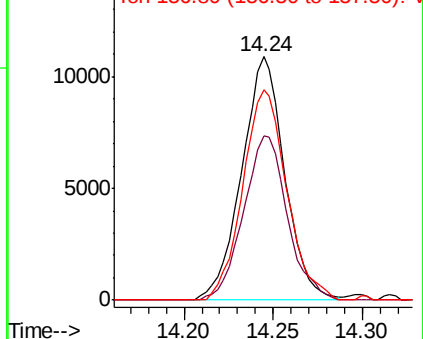


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

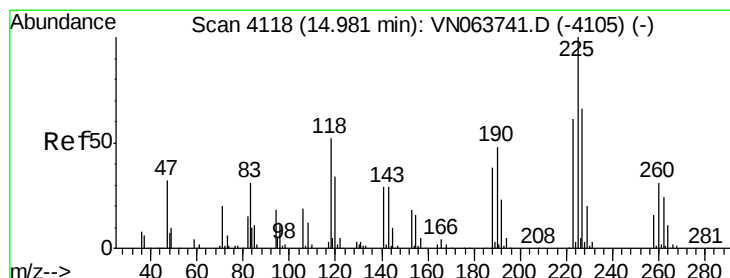
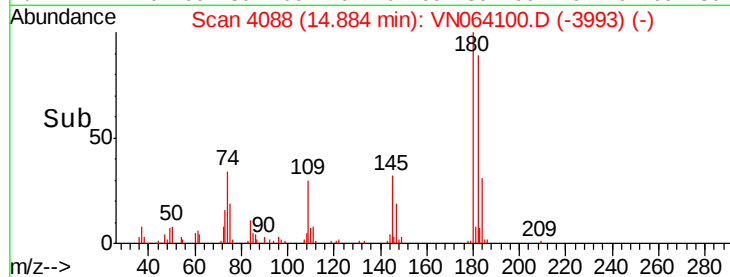
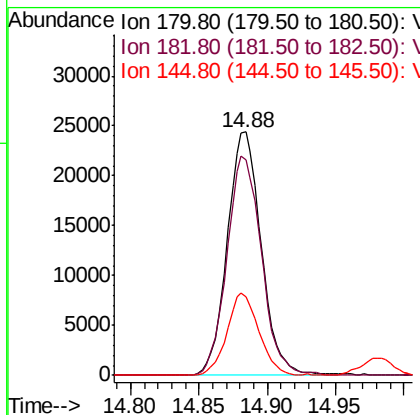
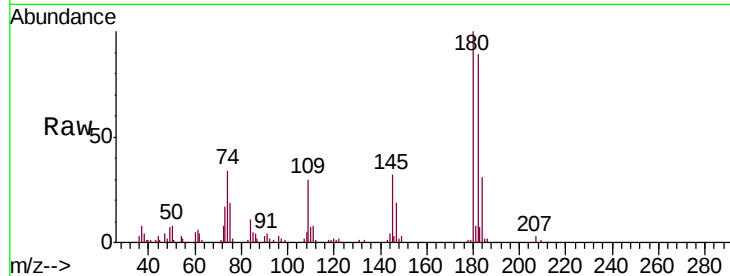




#93
 1,2,4-Trichlorobenzene
 Concen: 15.438 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

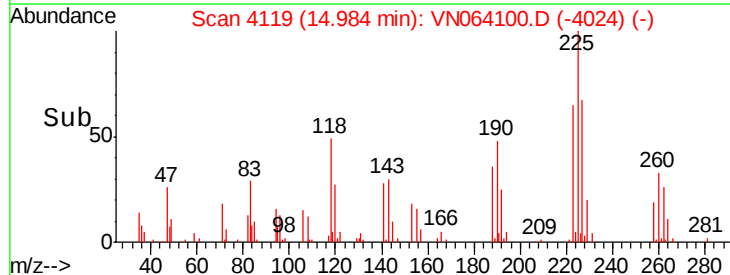
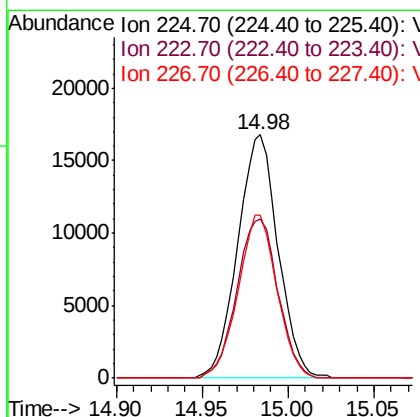
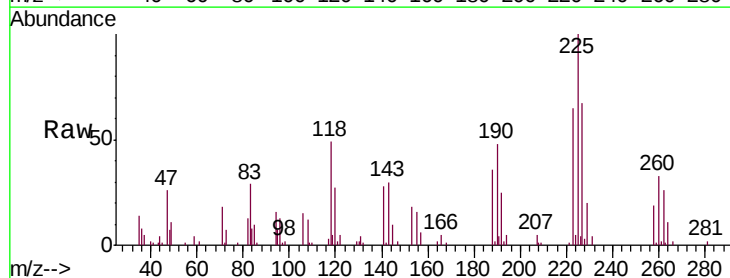
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

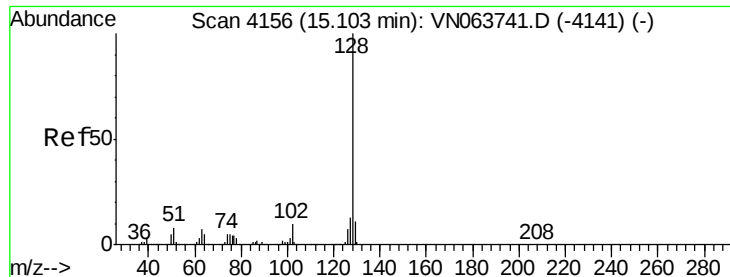
Tgt Ion:180 Resp: 42265
 Ion Ratio Lower Upper
 180 100
 182 91.7 48.2 144.6
 145 31.5 17.1 51.2



#94
 Hexachlorobutadiene
 Concen: 18.423 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN064100.D
 Acq: 13 Oct 2020 14:35

Tgt Ion:225 Resp: 27289
 Ion Ratio Lower Upper
 225 100
 223 66.6 30.3 91.0
 227 64.7 31.9 95.5

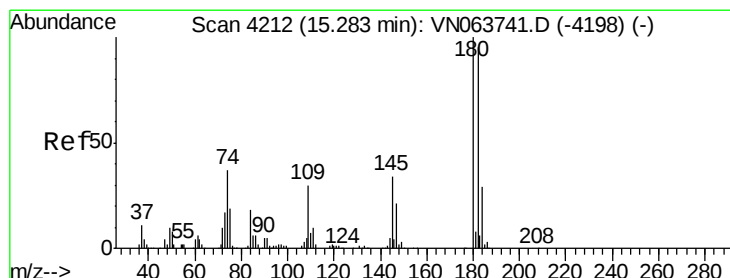
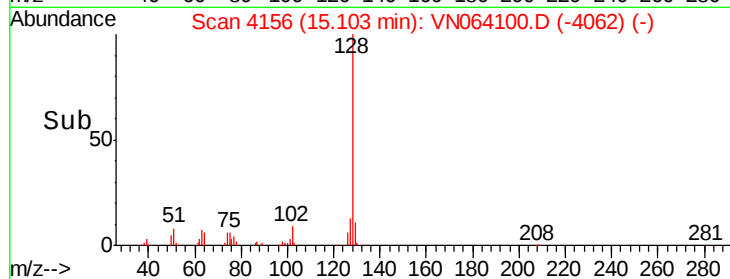
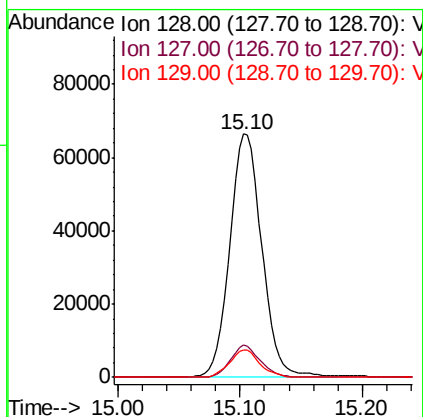
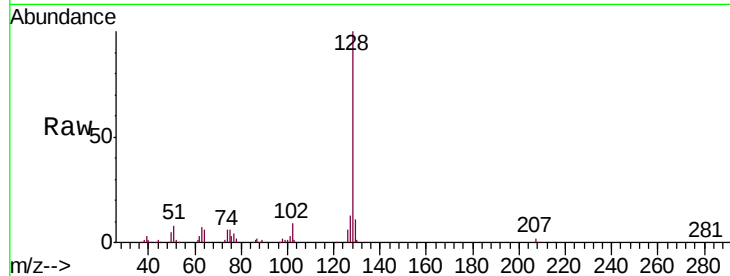




#95
Naphthalene
Concen: 14.657 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS01

Tgt Ion:128 Resp: 121998
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 15.497 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN064100.D
Acq: 13 Oct 2020 14:35

Tgt Ion:180 Resp: 41526
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.6
145 34.9 17.2 51.5

