

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
 Data File : VN064081.D
 Acq On : 12 Oct 2020 16:37
 Operator : JC/MD
 Sample : VN1012MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Quant Time: Oct 13 01:08:22 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	243159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	399129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	372705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	190894	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.55	113	133805	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.06	98	494503	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.38	95	180512	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38585	15.039	ug/l	97
3) Chloromethane	2.04	50	49907	16.577	ug/l	95
4) Vinyl Chloride	2.16	62	49776	16.471	ug/l	98
5) Bromomethane	2.53	94	33169	17.450	ug/l	98
6) Chloroethane	2.67	64	31860	17.643	ug/l	98
7) Trichlorofluoromethane	2.98	101	79673	16.624	ug/l	100
8) Diethyl Ether	3.37	74	29512	18.207	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44994	17.564	ug/l	95
10) Methyl Iodide	3.91	142	50361	16.932	ug/l	99
11) Tert butyl alcohol	4.73	59	53776	121.252	ug/l #	93
12) 1,1-Dichloroethene	3.70	96	40814	16.668	ug/l	97
13) Acrolein	3.57	56	22191	81.525	ug/l	96
14) Allyl chloride	4.27	41	83381	18.330	ug/l	95
15) Acrylonitrile	4.93	53	139014	109.502	ug/l #	87
16) Acetone	3.77	43	138132	111.702	ug/l	100
17) Carbon Disulfide	4.01	76	112198	17.416	ug/l	99
18) Methyl Acetate	4.28	43	77043	23.995	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	171902	19.324	ug/l	99
20) Methylene Chloride	4.50	84	52938	18.751	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	47852	17.448	ug/l	99
22) Diisopropyl ether	5.90	45	194586	20.791	ug/l	100
23) Vinyl Acetate	5.84	43	772895	99.693	ug/l	98
24) 1,1-Dichloroethane	5.79	63	103307	19.305	ug/l	98
25) 2-Butanone	6.78	43	201368	114.857	ug/l	98
26) 2,2-Dichloropropane	6.78	77	85653	17.478	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	56465	17.901	ug/l	98
28) Bromochloromethane	7.15	49	50919	19.252	ug/l	92
29) Tetrahydrofuran	7.16	42	138100	117.445	ug/l	93
30) Chloroform	7.33	83	106621	19.109	ug/l	94
31) Cyclohexane	7.61	56	80154	17.187	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	89369	17.757	ug/l	99
36) 1,1-Dichloropropene	7.75	75	69953	17.300	ug/l	99
37) Ethyl Acetate	6.88	43	84958	21.148	ug/l	97
38) Carbon Tetrachloride	7.73	117	79370	17.505	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	63084	15.644	ug/l	96
40) Benzene	8.00	78	212305	18.382	ug/l	100
41) Methacrylonitrile	7.12	41	28606	16.022	ug/l #	71
42) 1,2-Dichloroethane	8.08	62	90782	18.414	ug/l	100
43) Isopropyl Acetate	8.13	43	140553	21.211	ug/l #	91
44) Trichloroethene	8.80	130	51834	17.129	ug/l	97
45) 1,2-Dichloropropane	9.08	63	60971	19.547	ug/l	96
46) Dibromomethane	9.17	93	40726	18.927	ug/l	98
47) Bromodichloromethane	9.37	83	84249	18.998	ug/l	98
48) Methyl methacrylate	9.17	41	67663	20.668	ug/l	89
49) 1,4-Dioxane	9.17	88	20539	441.424	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	439762	113.087	ug/l	99
52) Toluene	10.12	92	134791	18.868	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	88470	18.611	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	93074	18.722	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	56232	19.628	ug/l	99
56) Ethyl methacrylate	10.40	69	78603	19.356	ug/l	94
57) 1,3-Dichloropropane	10.68	76	96758	19.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	219159	100.893	ug/l	99
59) 2-Hexanone	10.72	43	314974	109.034	ug/l	99
60) Dibromochloromethane	10.87	129	62425	18.710	ug/l	98
61) 1,2-Dibromoethane	10.98	107	56634	19.325	ug/l	100
64) Tetrachloroethene	10.60	164	47357	16.423	ug/l	99
65) Chlorobenzene	11.41	112	138385	18.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	56210	19.178	ug/l	98
67) Ethyl Benzene	11.48	91	244833	17.599	ug/l	99
68) m/p-Xylenes	11.60	106	181412	34.989	ug/l	99
69) o-Xylene	11.92	106	87421	18.039	ug/l	99
70) Styrene	11.94	104	145965	17.744	ug/l	98
71) Bromoform	12.10	173	41187	18.373	ug/l #	99
73) Isopropylbenzene	12.23	105	230347	18.962	ug/l	99
74) N-amyl acetate	12.05	43	110664	20.947	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	81699	21.993	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	112013	30.510	ug/l #	100
77) Bromobenzene	12.50	156	57555	19.309	ug/l	93
78) n-propylbenzene	12.57	91	265870	18.806	ug/l	99
79) 2-Chlorotoluene	12.65	91	167557	19.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	190894	18.731	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	27527	21.595	ug/l	92
82) 4-Chlorotoluene	12.75	91	173687	19.242	ug/l	99
83) tert-Butylbenzene	12.97	119	152406	18.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	192515	18.920	ug/l	98
85) sec-Butylbenzene	13.15	105	202982	18.538	ug/l	98
86) p-Isopropyltoluene	13.26	119	177360	18.310	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101652	18.850	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	105610	18.809	ug/l	96
89) n-Butylbenzene	13.59	91	149279	16.698	ug/l	98
90) Hexachloroethane	13.85	117	35023	18.659	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	102515	19.193	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17515	20.105	ug/l	97

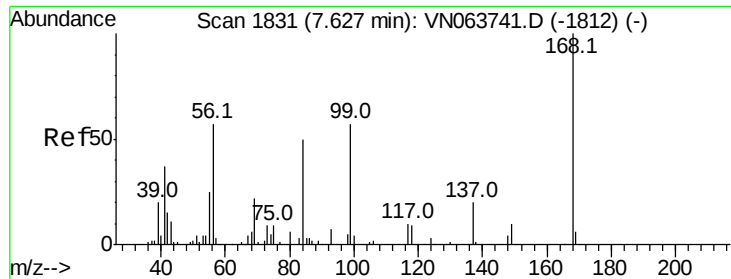
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	42201	15.762	ug/l	99
94) Hexachlorobutadiene	14.98	225	28629	19.809	ug/l	100
95) Naphthalene	15.10	128	126086	15.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	43267	16.446	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

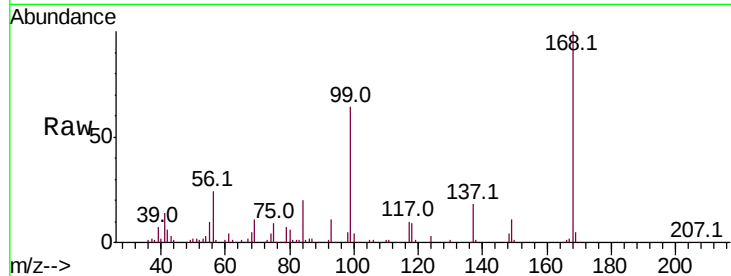
VN1012WBSD01

Tot Ion:168 Resp: 243159

Ion Ratio Lower Upper

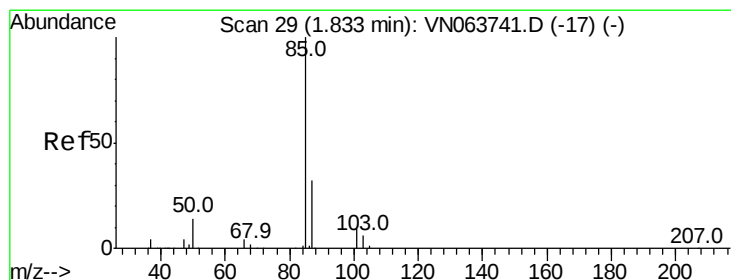
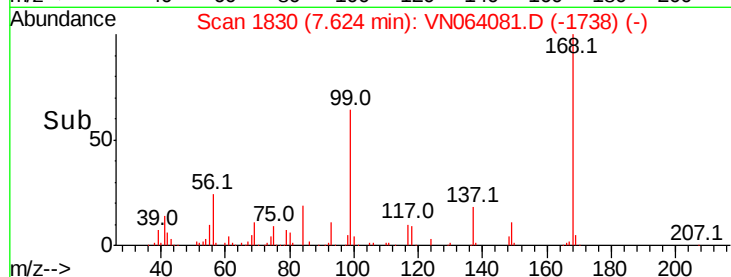
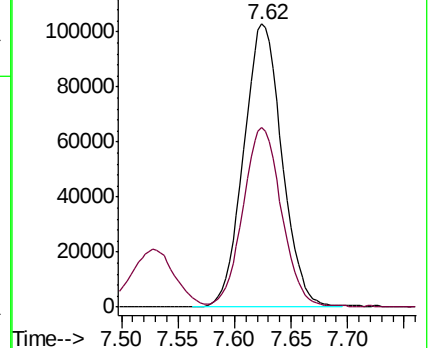
168 100

99 63.0 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.039 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064081.D

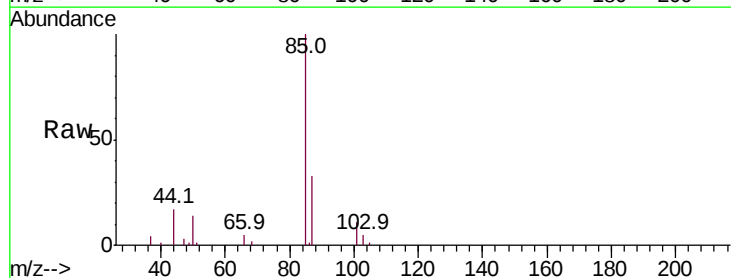
Acq: 12 Oct 2020 16:37

Tgt Ion: 85 Resp: 38585

Ion Ratio Lower Upper

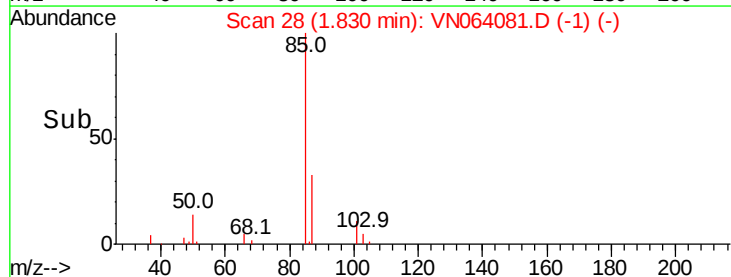
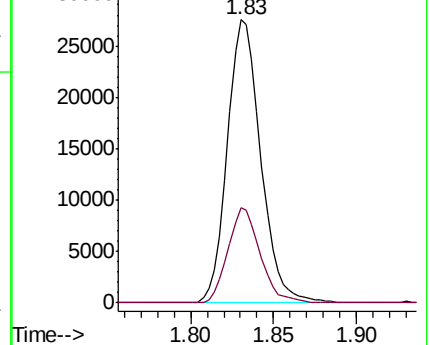
85 100

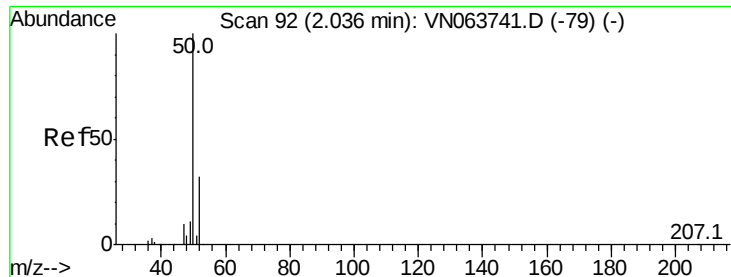
87 33.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.577 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

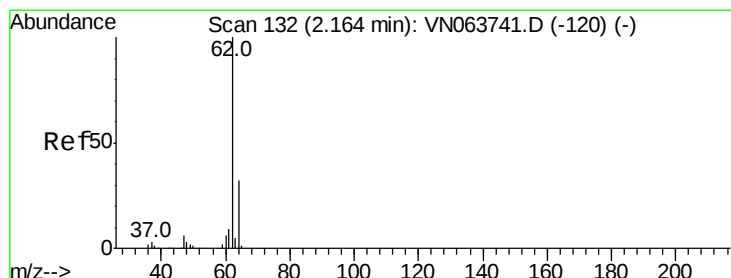
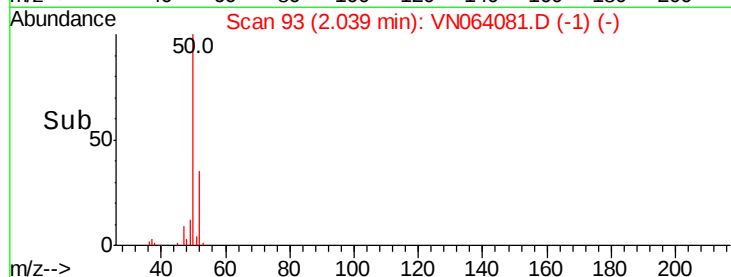
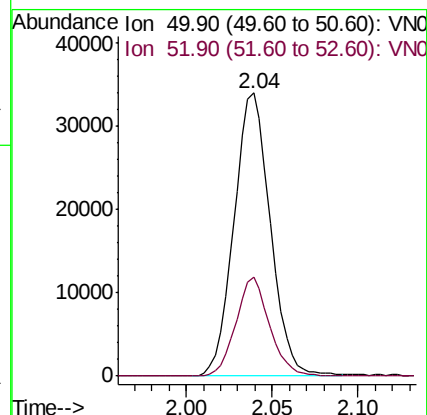
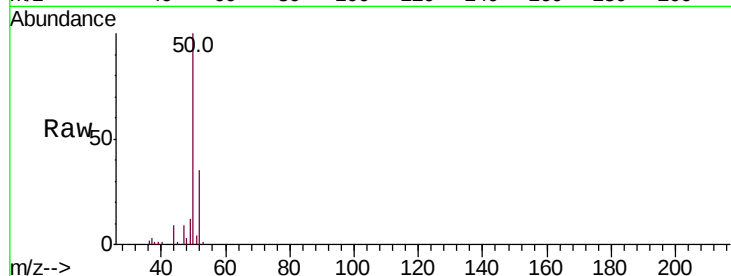
VN1012WBSD01

Tot Ion: 50 Resp: 49907

Ion Ratio Lower Upper

50 100

52 34.9 25.8 38.8



#4

Vinyl Chloride

Concen: 16.471 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064081.D

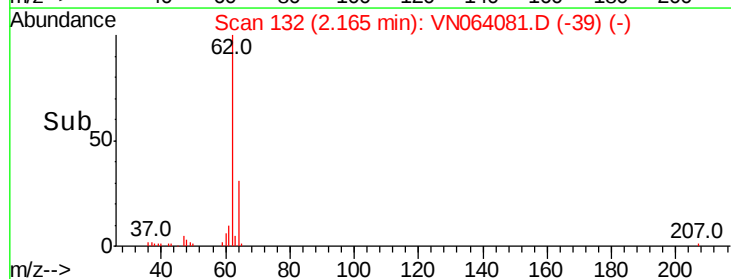
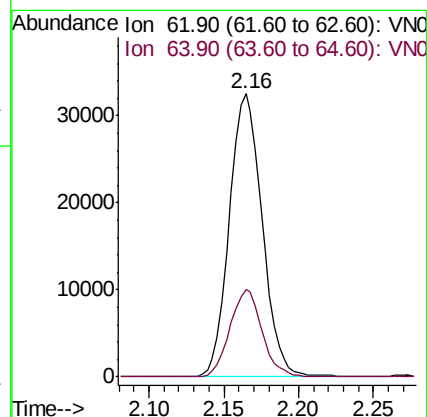
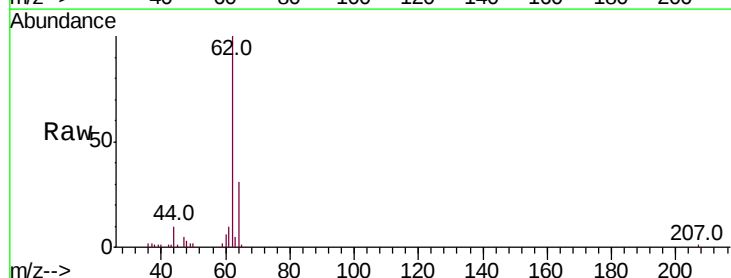
Acq: 12 Oct 2020 16:37

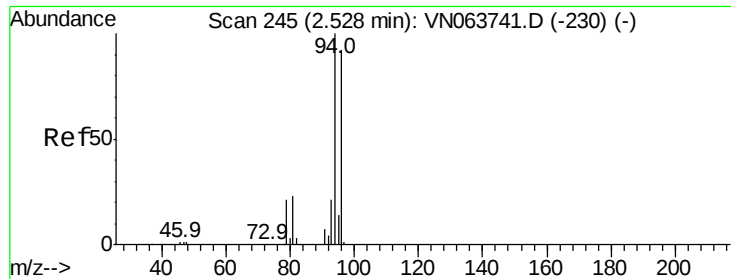
Tgt Ion: 62 Resp: 49776

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4

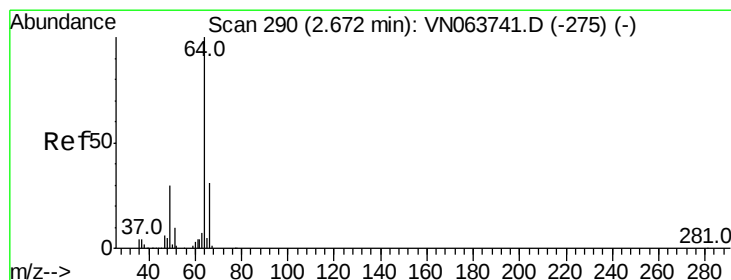
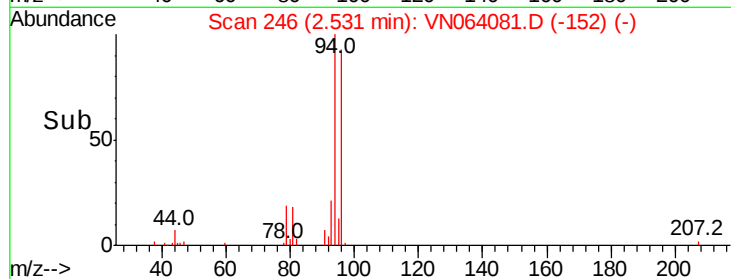
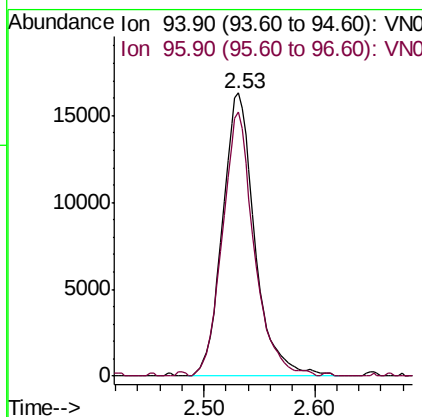
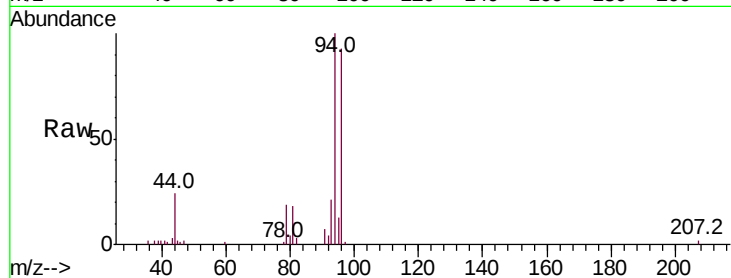




#5
 Bromomethane
 Concen: 17.450 ug/l
 RT: 2.53 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

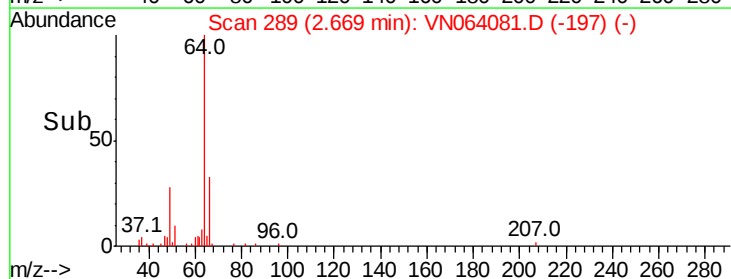
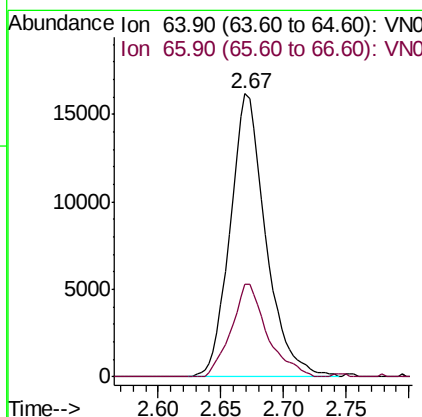
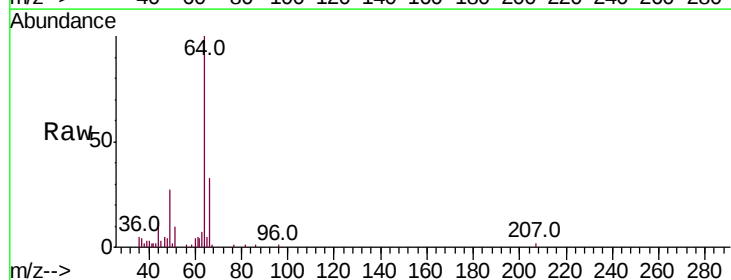
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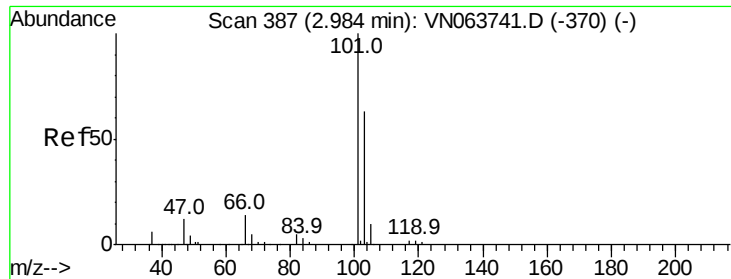
Tot Ion: 94 Resp: 33169
 Ion Ratio Lower Upper
 94 100
 96 93.3 73.3 109.9



#6
 Chloroethane
 Concen: 17.643 ug/l
 RT: 2.67 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion: 64 Resp: 31860
 Ion Ratio Lower Upper
 64 100
 66 32.7 25.1 37.7



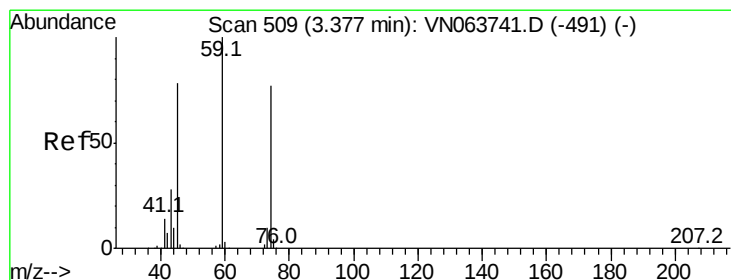
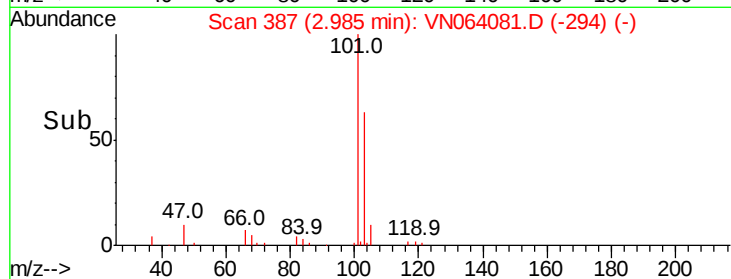
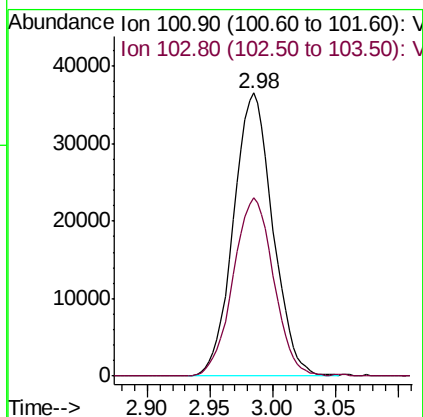
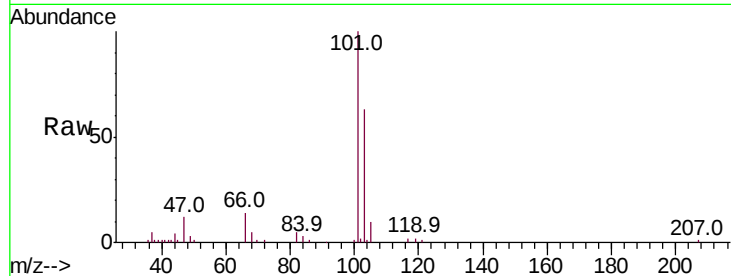


#7

Trichlorofluoromethane
 Concen: 16.624 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
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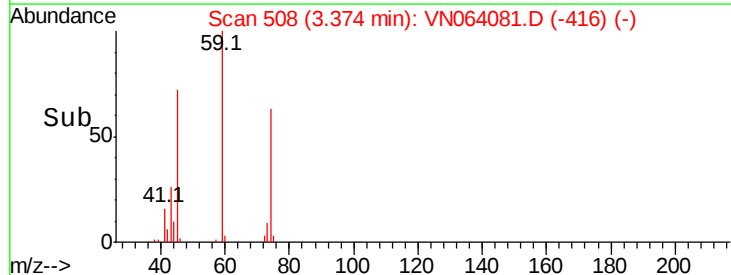
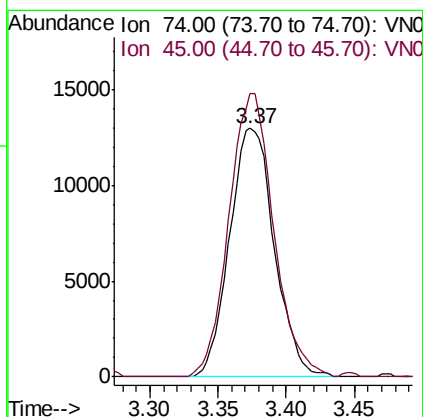
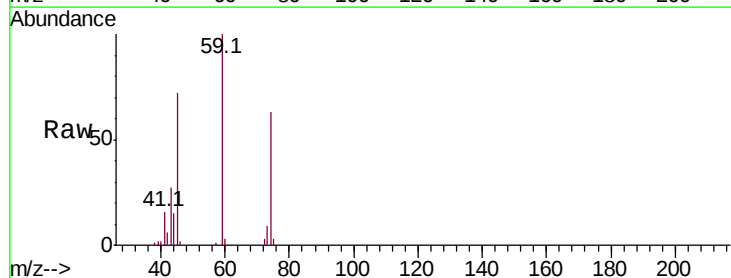
Tot Ion:101 Resp: 79673
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.7 76.1

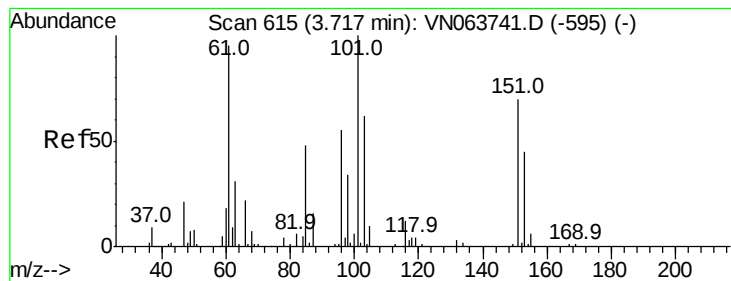


#8

Diethyl Ether
 Concen: 18.207 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion: 74 Resp: 29512
 Ion Ratio Lower Upper
 74 100
 45 114.5 50.9 152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.564 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

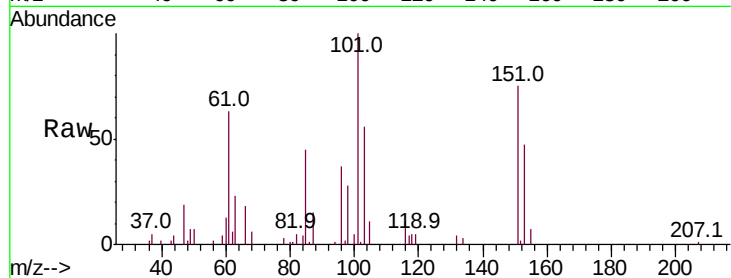
Tot Ion:101 Resp: 44994

Ion Ratio Lower Upper

101 100

85 51.3 38.6 58.0

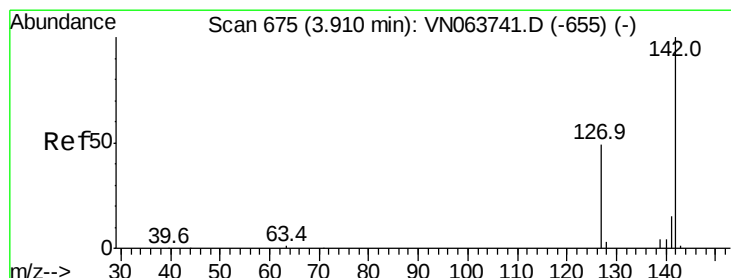
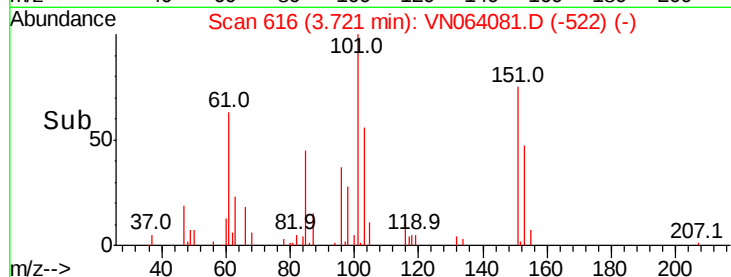
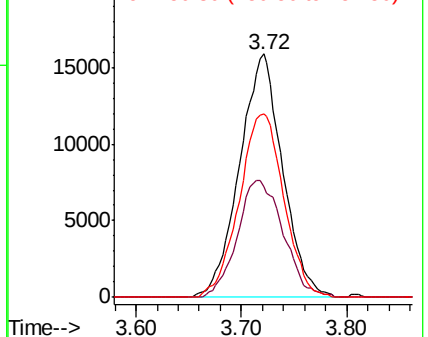
151 78.1 58.7 88.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.932 ug/l

RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

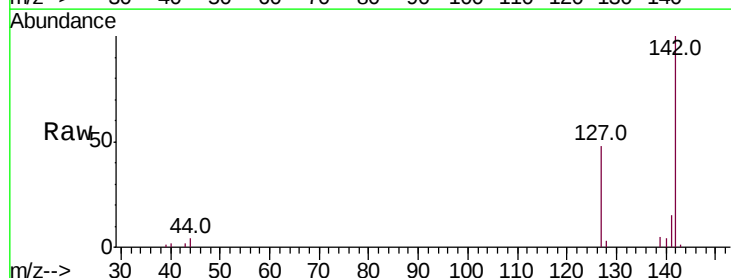
Tgt Ion:142 Resp: 50361

Ion Ratio Lower Upper

142 100

127 49.7 40.5 60.7

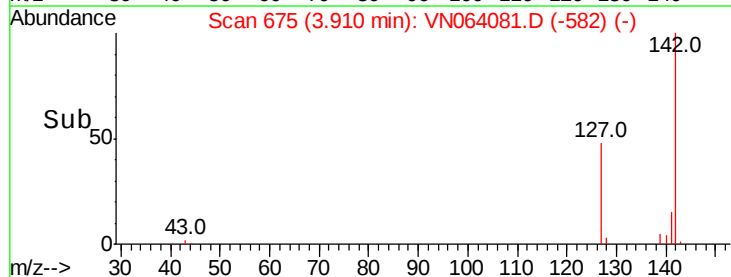
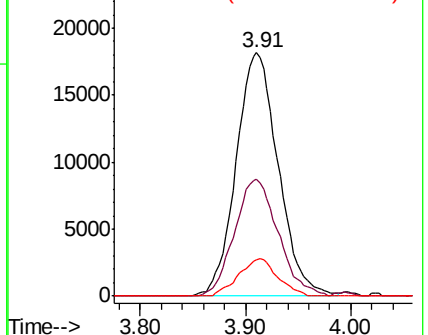
141 14.2 11.7 17.5

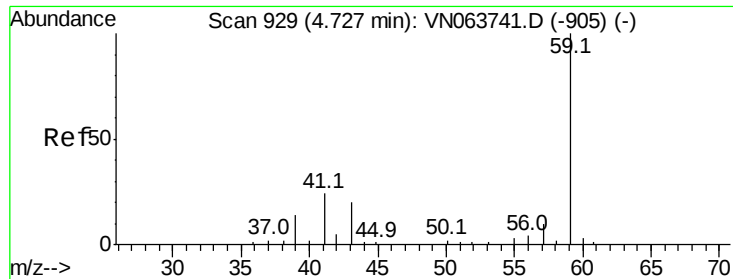


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

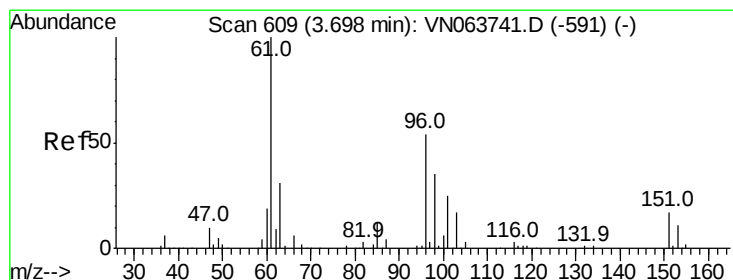
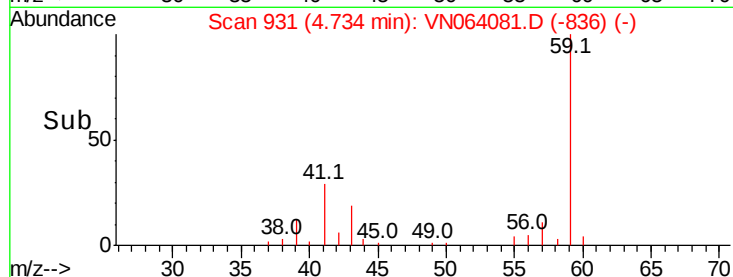
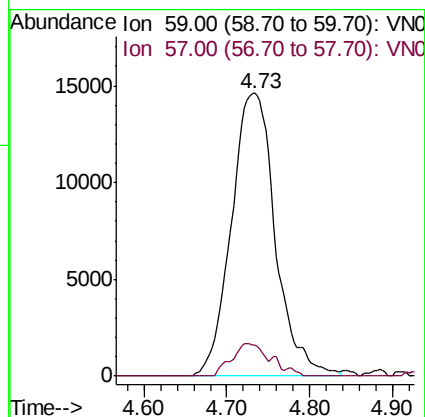
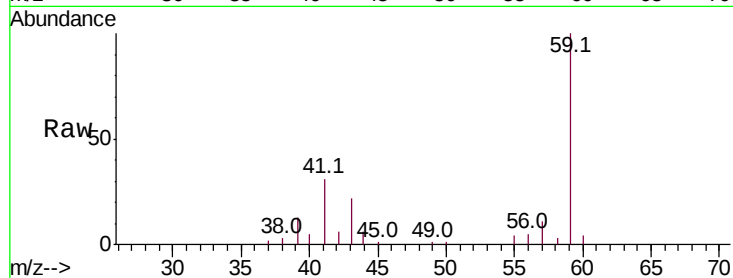




#11
Tert butyl alcohol
Concen: 121.252 ug/l
RT: 4.73 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

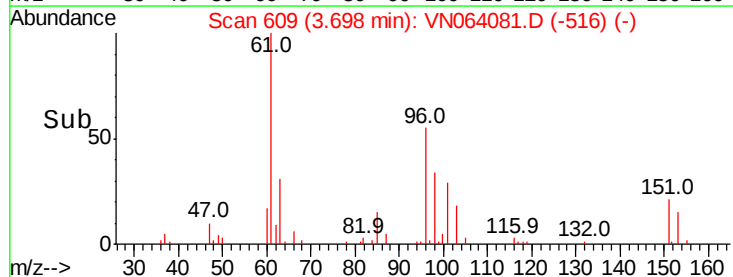
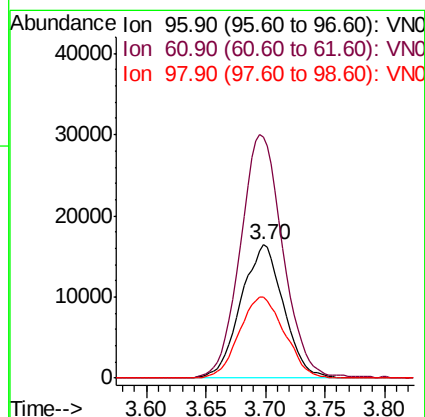
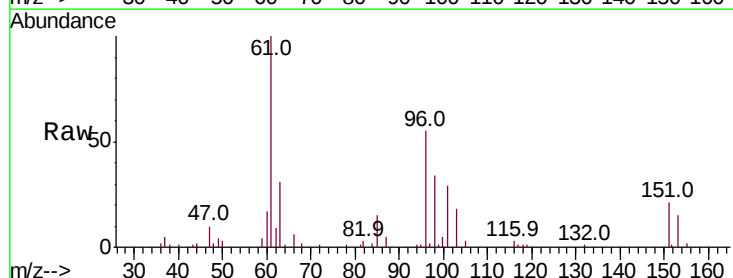
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

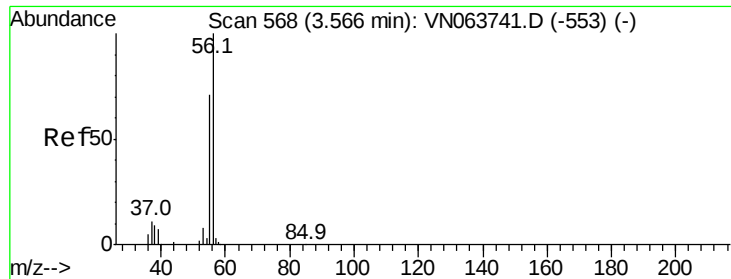
Tot Ion: 59 Resp: 53776
Ion Ratio Lower Upper
59 100
57 8.1 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 16.668 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 96 Resp: 40814
Ion Ratio Lower Upper
96 100
61 181.0 147.7 221.5
98 61.3 51.9 77.9





#13

Acrolein

Concen: 81.525 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

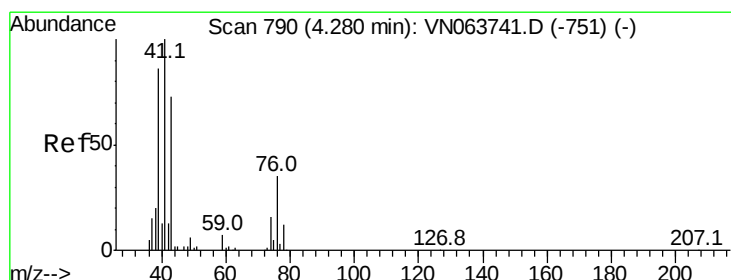
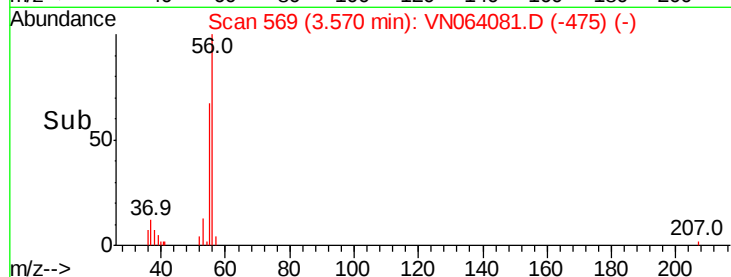
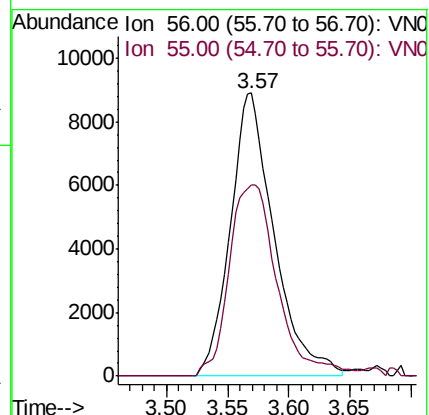
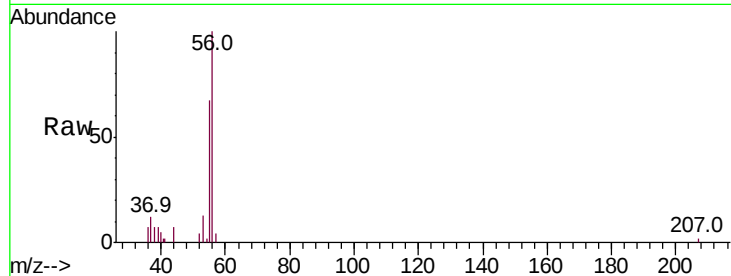
VN1012WBSD01

Tot Ion: 56 Resp: 22191

Ion Ratio Lower Upper

56 100

55 74.4 56.9 85.3



#14

Allyl chloride

Concen: 18.330 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

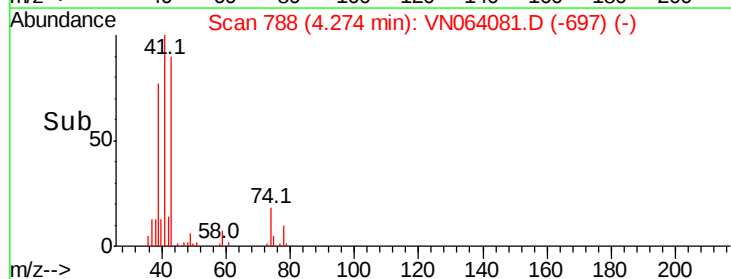
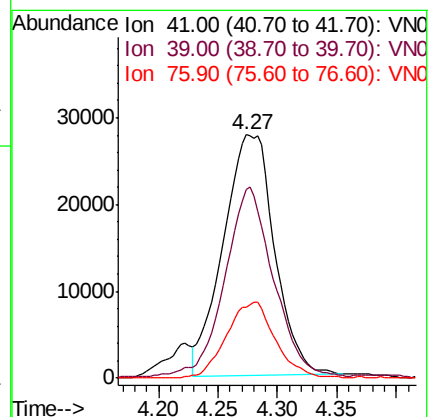
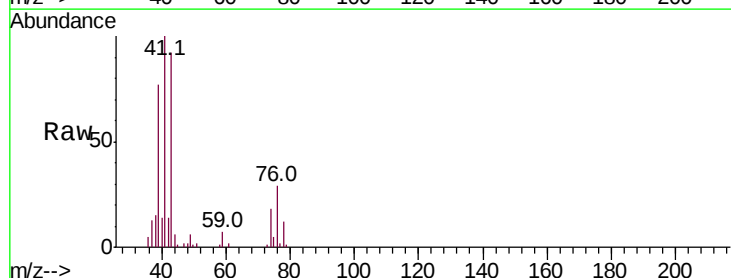
Tgt Ion: 41 Resp: 83381

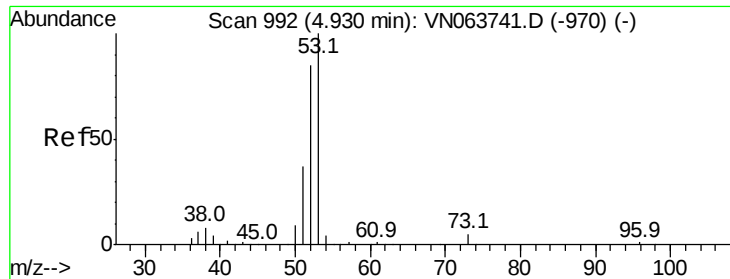
Ion Ratio Lower Upper

41 100

39 76.3 64.5 96.7

76 29.8 25.9 38.9





#15

Acrylonitrile

Concen: 109.502 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

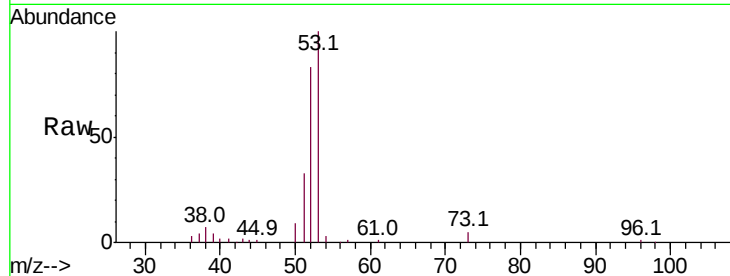
Tot Ion: 53 Resp: 139014

Ion Ratio Lower Upper

53 100

52 85.4 66.5 99.7

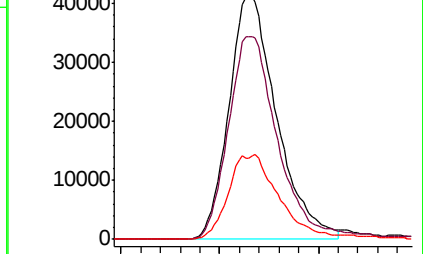
51 15.8 29.9 44.9#



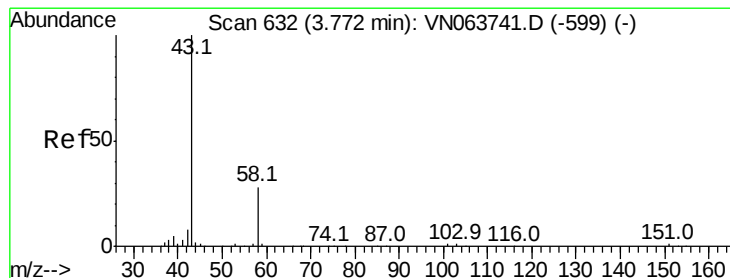
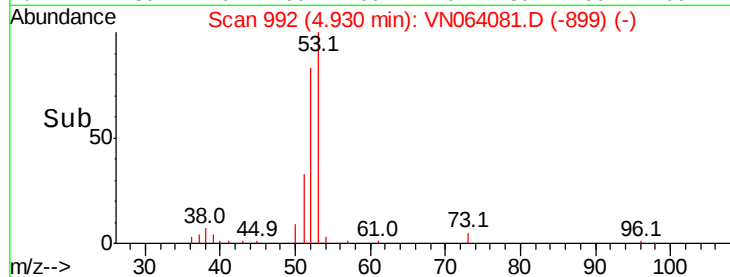
Abundance Ion 53.00 (52.70 to 53.70): VN064081.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064081.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064081.D (-970) (-)



Time-->



#16

Acetone

Concen: 111.702 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064081.D

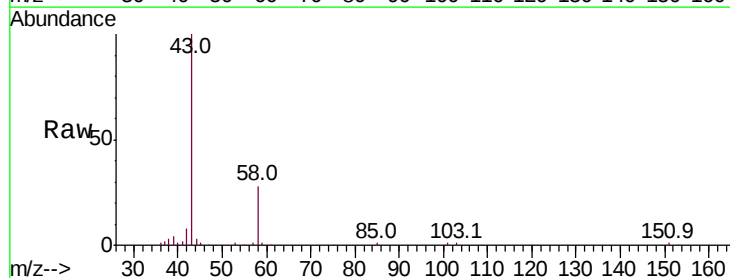
Acq: 12 Oct 2020 16:37

Tgt Ion: 43 Resp: 138132

Ion Ratio Lower Upper

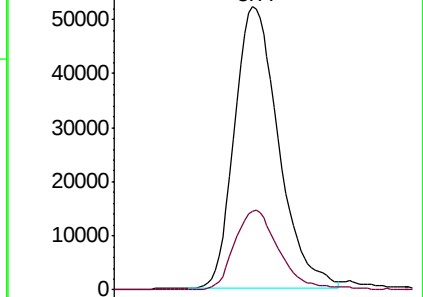
43 100

58 28.0 22.3 33.5

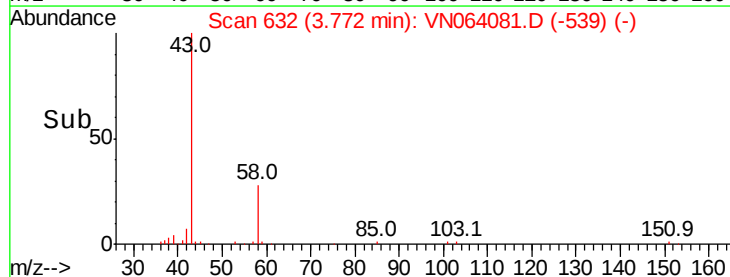


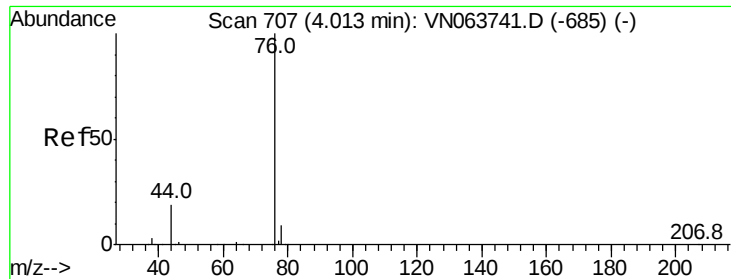
Abundance Ion 43.00 (42.70 to 43.70): VN064081.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN064081.D (-599) (-)



Time-->

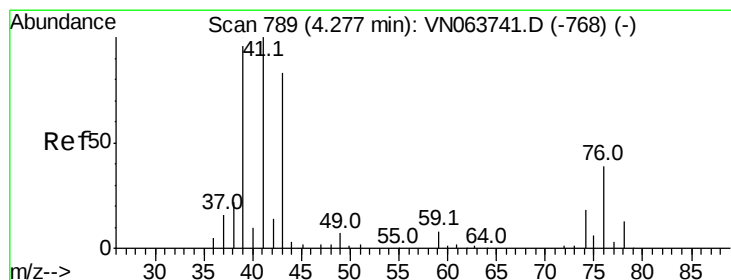
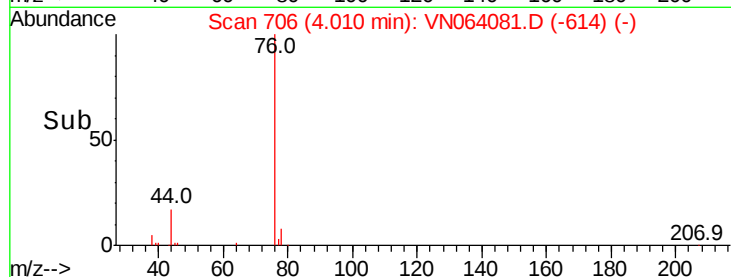
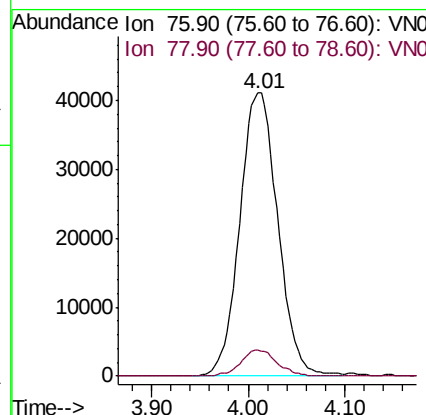
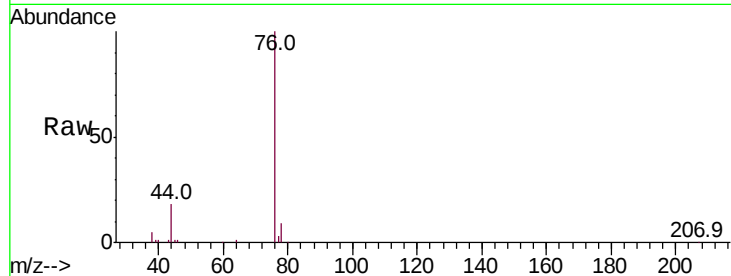




#17
Carbon Disulfide
Concen: 17.416 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

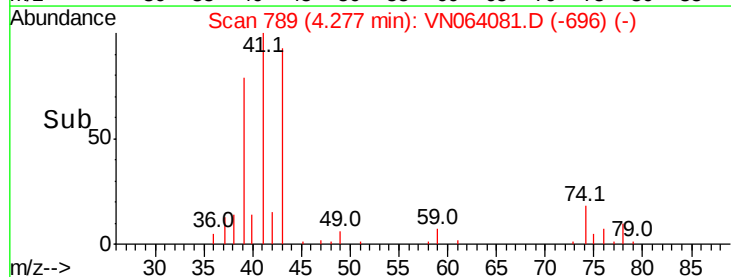
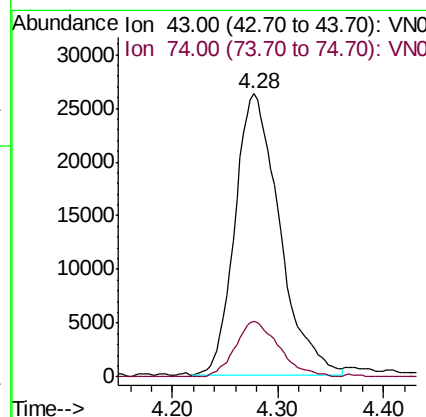
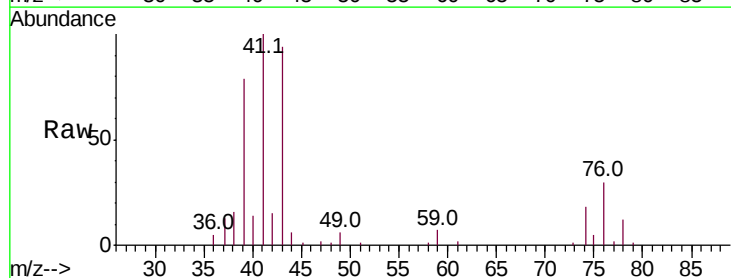
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

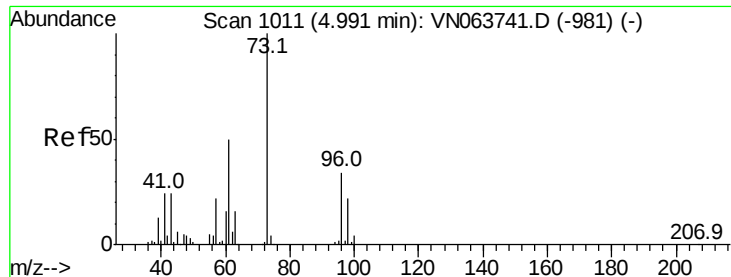
Tot Ion: 76 Resp: 112198
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 23.995 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 43 Resp: 77043
Ion Ratio Lower Upper
43 100
74 19.4 17.4 26.2



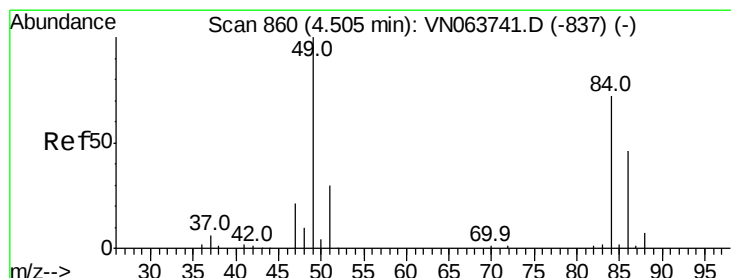
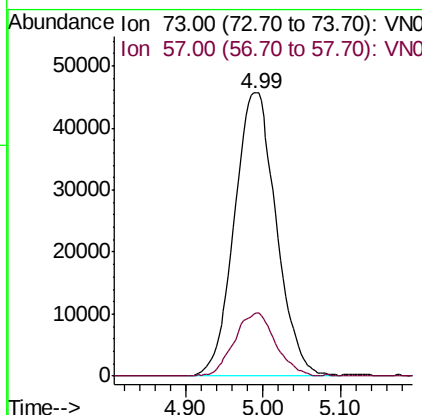
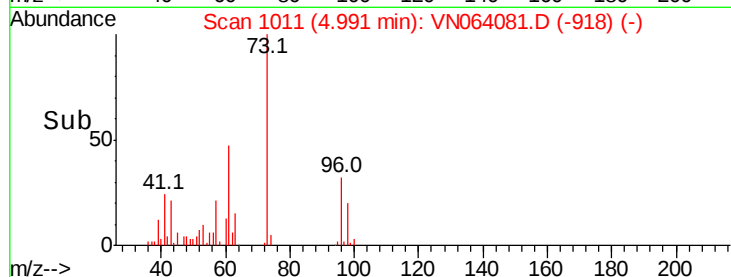
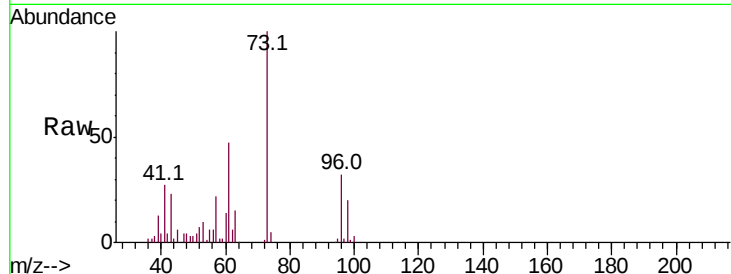


#19

Methyl tert-butyl Ether
 Concen: 19.324 ug/l
 RT: 4.99 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

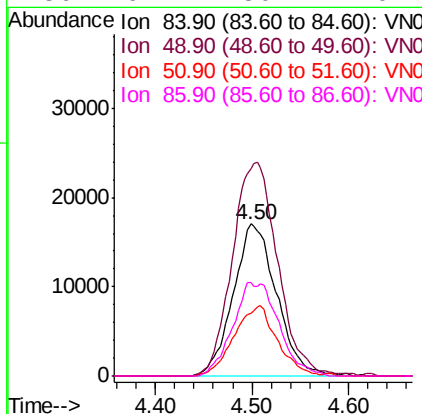
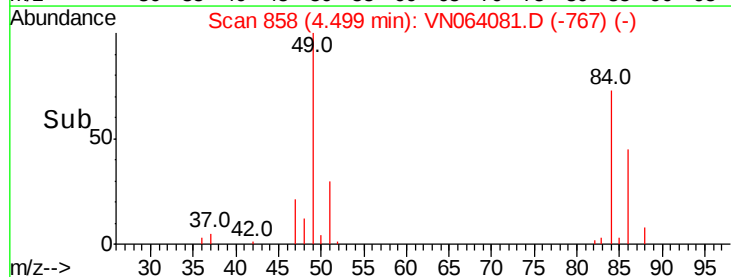
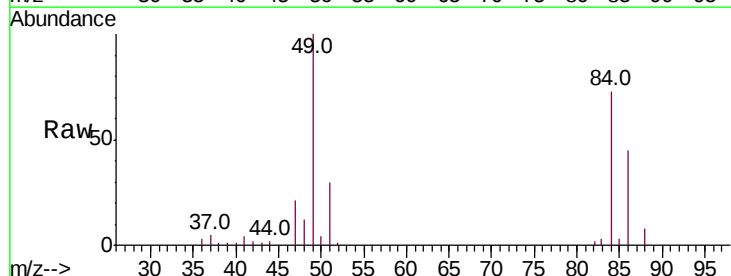
Tot Ion: 73 Resp: 171902
 Ion Ratio Lower Upper
 73 100
 57 22.4 17.6 26.4

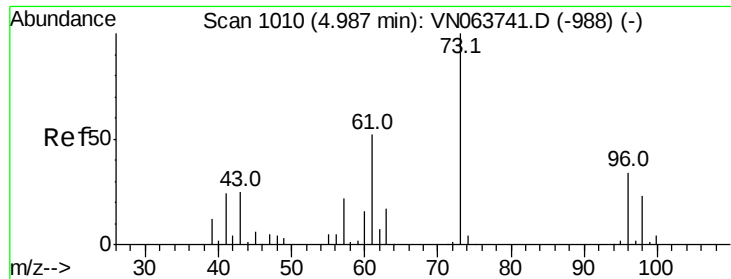


#20

Methylene Chloride
 Concen: 18.751 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion: 84 Resp: 52938
 Ion Ratio Lower Upper
 84 100
 49 136.6 110.4 165.6
 51 41.6 33.3 49.9
 86 61.1 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 17.448 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

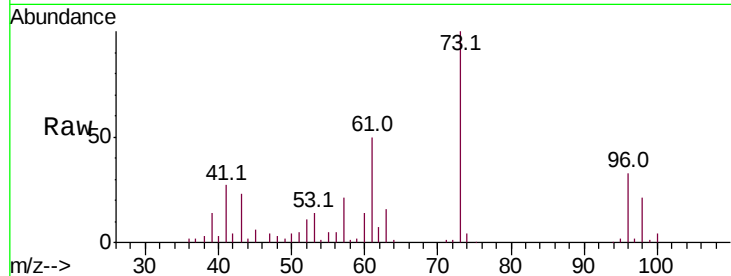
Tot Ion: 96 Resp: 47852

Ion Ratio Lower Upper

96 100

61 150.5 120.2 180.2

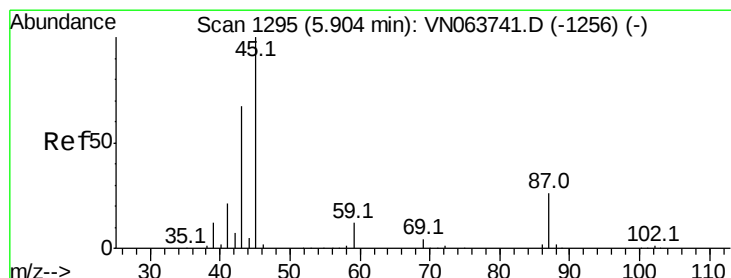
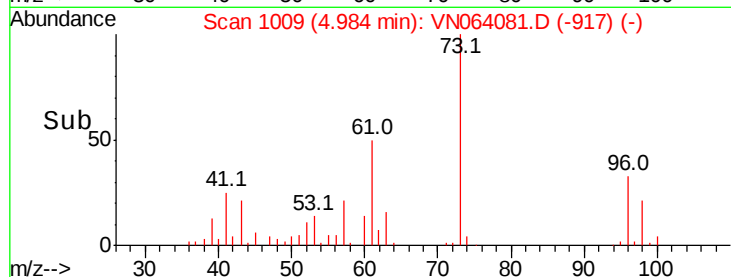
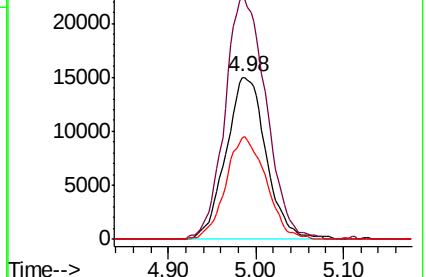
98 63.1 52.6 79.0



Abundance Ion 95.90 (95.60 to 96.60): VN063741.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN063741.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN063741.D (-988) (-)



#22

Diisopropyl ether

Concen: 20.791 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion: 45 Resp: 194586

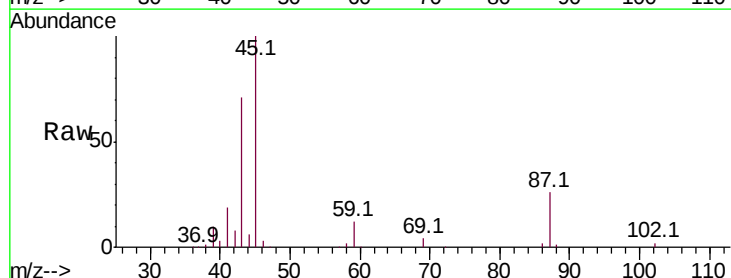
Ion Ratio Lower Upper

45 100

43 67.4 53.7 80.5

87 26.5 21.1 31.7

59 11.2 9.2 13.8

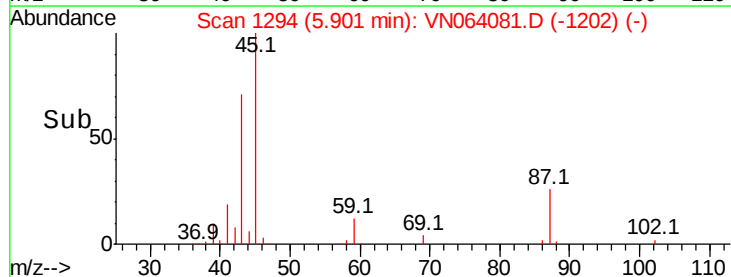
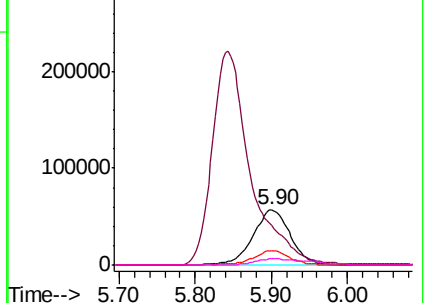


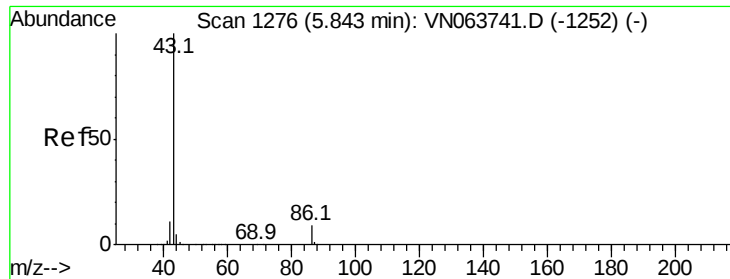
Abundance Ion 45.00 (44.70 to 45.70): VN063741.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN063741.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN063741.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN063741.D (-1256) (-)

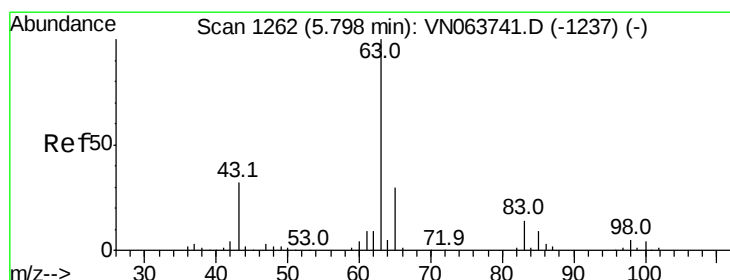
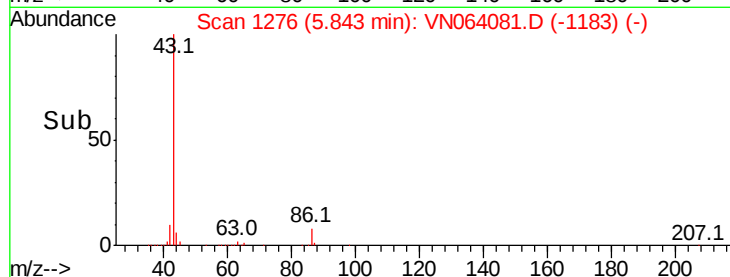
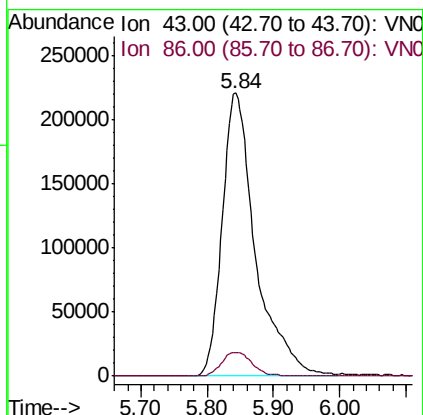
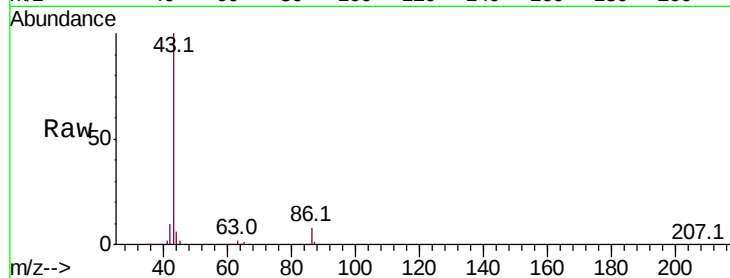




#23
 Vinyl Acetate
 Concen: 99.693 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

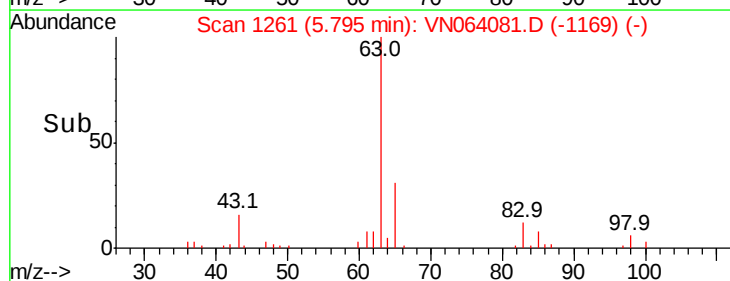
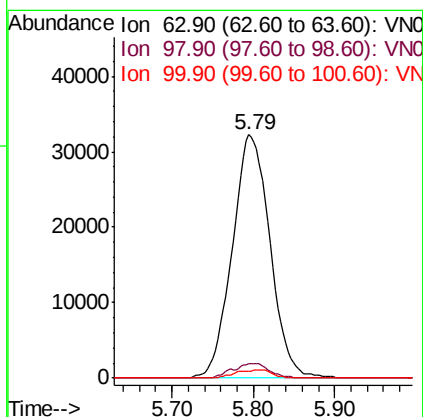
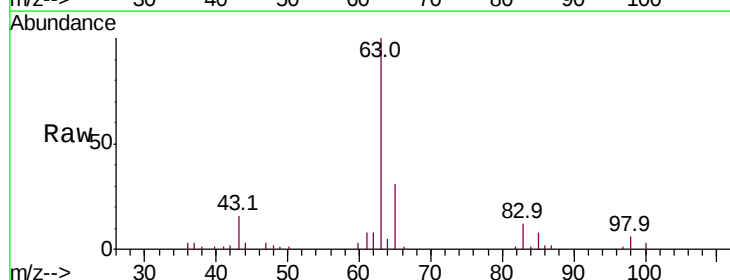
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

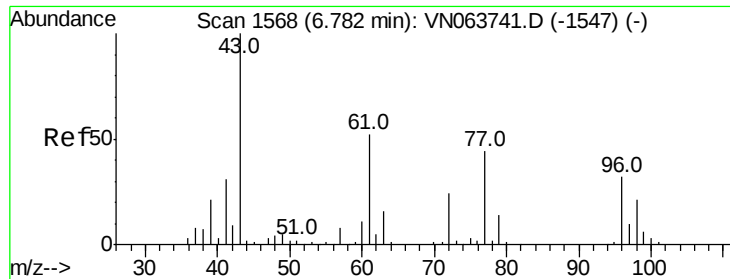
Tot Ion: 43 Resp: 772895
 Ion Ratio Lower Upper
 43 100
 86 8.4 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 19.305 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion: 63 Resp: 103307
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.7 8.1
 100 2.7 1.9 5.7

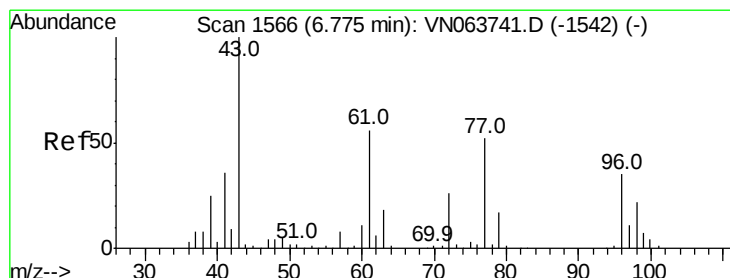
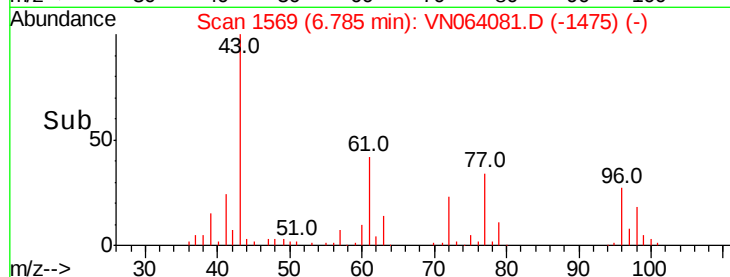
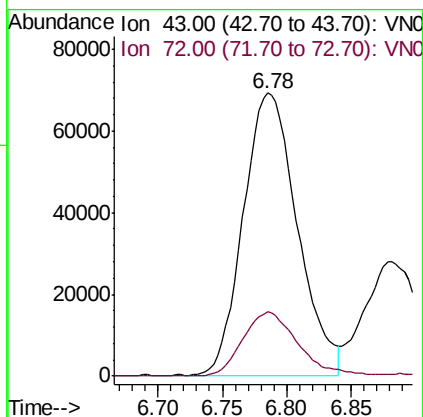
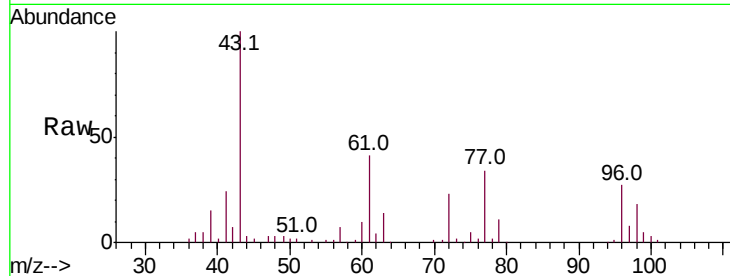




#25
2-Butanone
Concen: 114.857 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

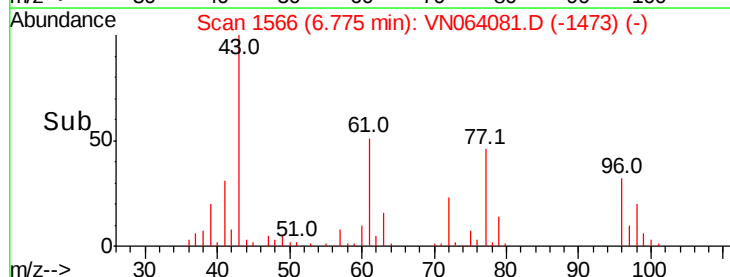
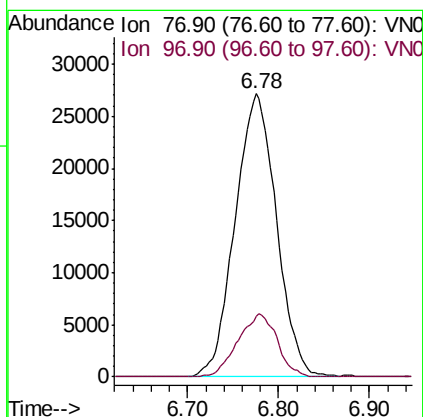
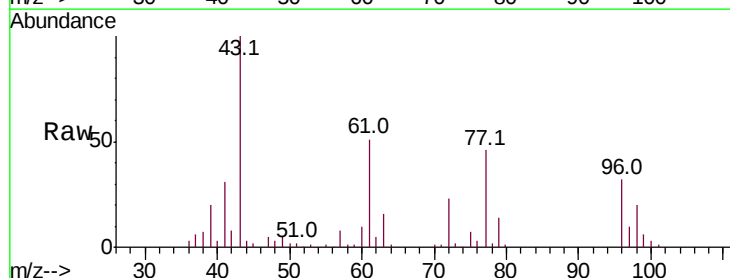
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

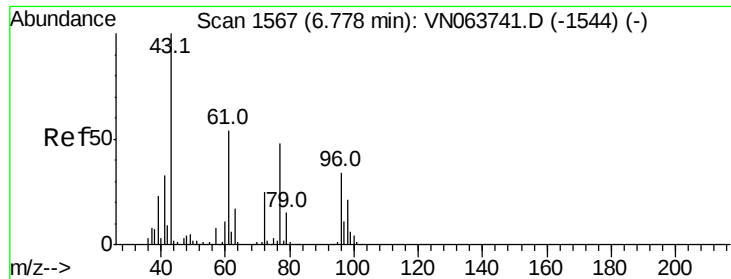
Tot Ion: 43 Resp: 201368
Ion Ratio Lower Upper
43 100
72 22.9 19.3 28.9



#26
2,2-Dichloropropane
Concen: 17.478 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 77 Resp: 85653
Ion Ratio Lower Upper
77 100
97 21.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 17.901 ug/l

RT: 6.78 min Scan# 1567

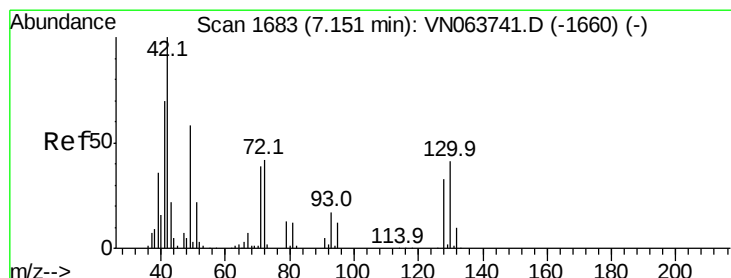
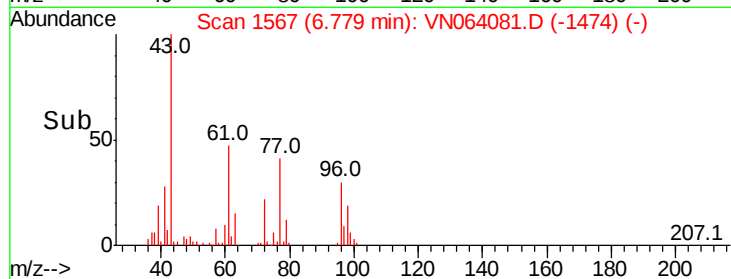
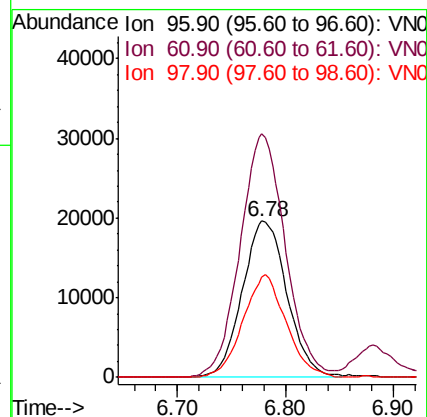
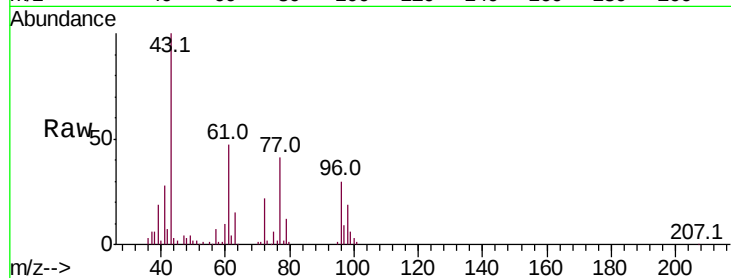
Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.5	0.0	321.2
98	63.4	0.0	124.4



#28

Bromochloromethane

Concen: 19.252 ug/l

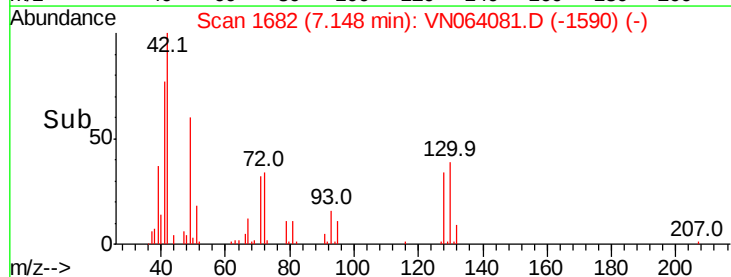
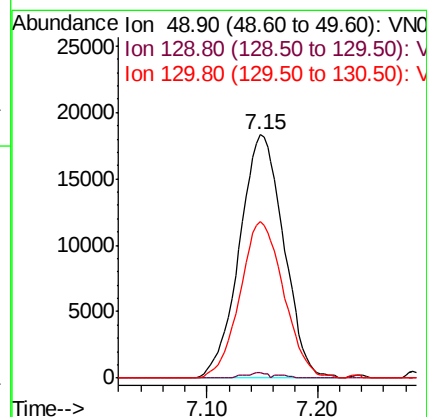
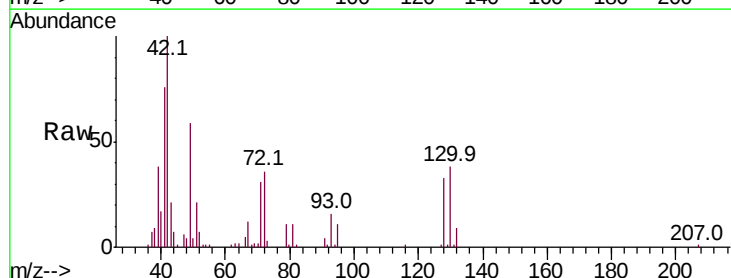
RT: 7.15 min Scan# 1682

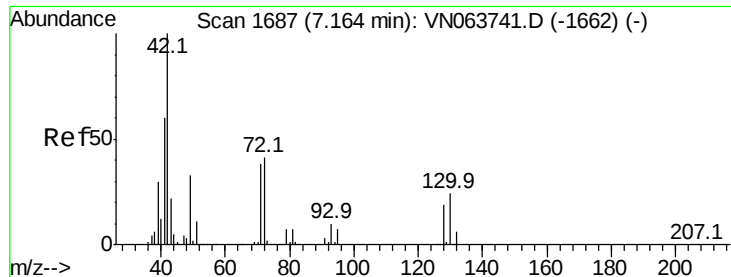
Delta R.T. -0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.8
130	63.3	55.6	83.4





#29

Tetrahydrofuran

Concen: 117.445 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

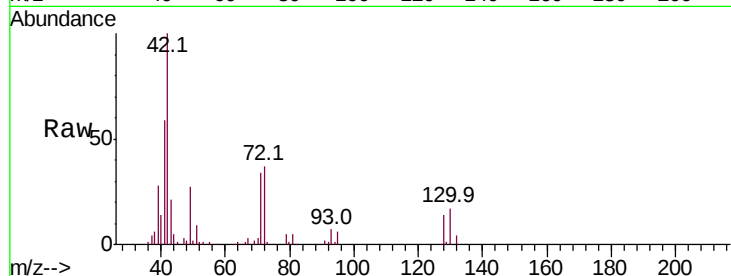
Tot Ion: 42 Resp: 138100

Ion Ratio Lower Upper

42 100

72 37.0 32.8 49.2

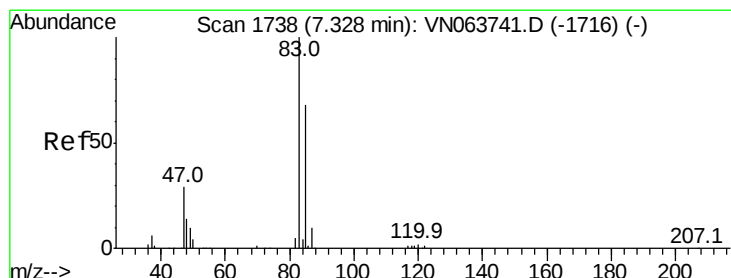
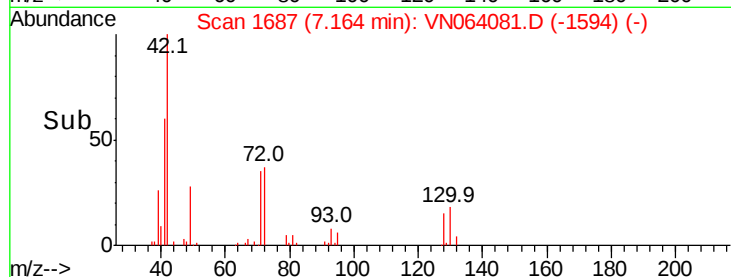
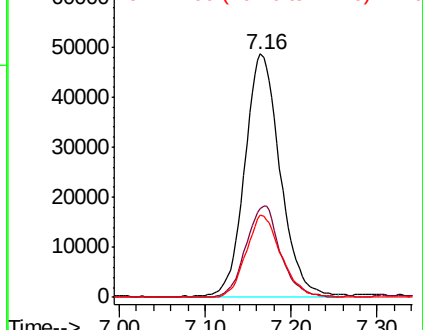
71 33.4 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.109 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064081.D

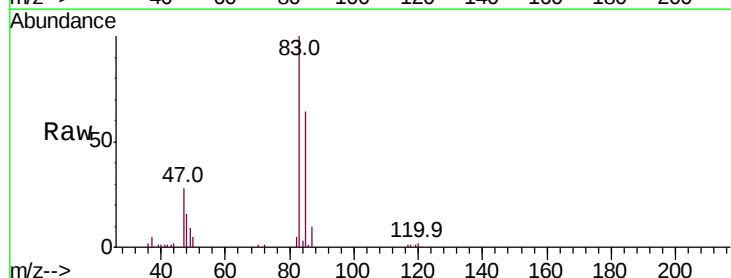
Acq: 12 Oct 2020 16:37

Tgt Ion: 83 Resp: 106621

Ion Ratio Lower Upper

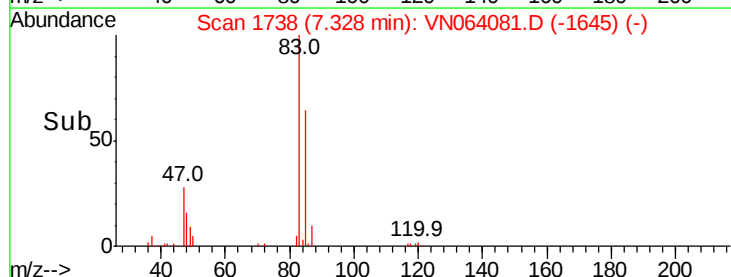
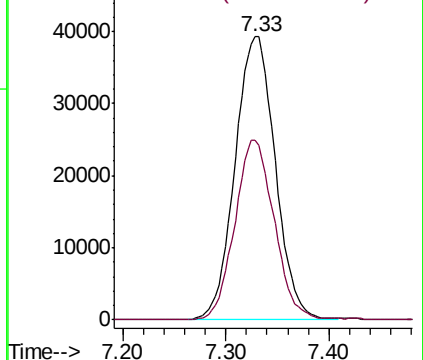
83 100

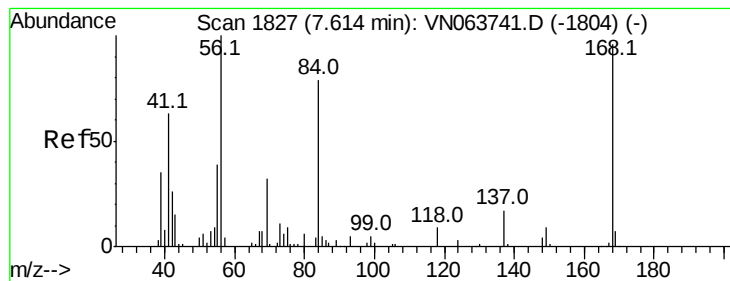
85 63.6 54.6 82.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.187 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

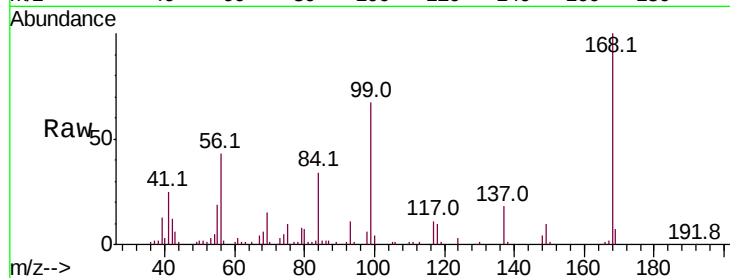
Tot Ion: 56 Resp: 80154

Ion Ratio Lower Upper

56 100

69 34.8 25.4 38.2

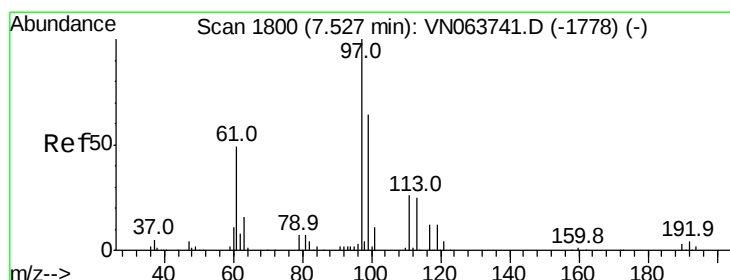
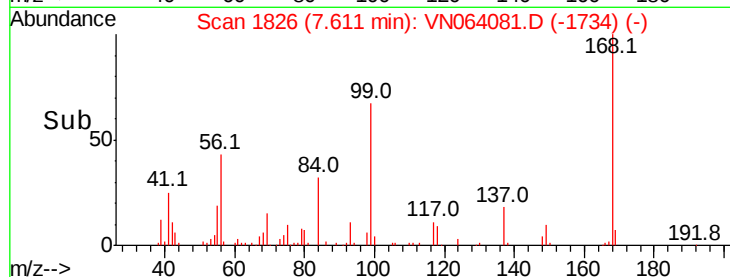
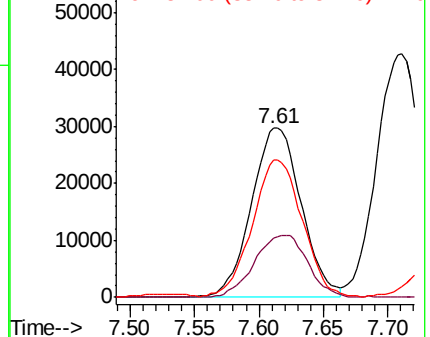
84 79.8 63.3 94.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.757 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

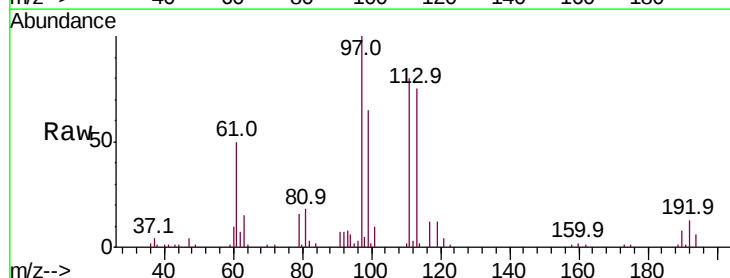
Tgt Ion: 97 Resp: 89369

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.6

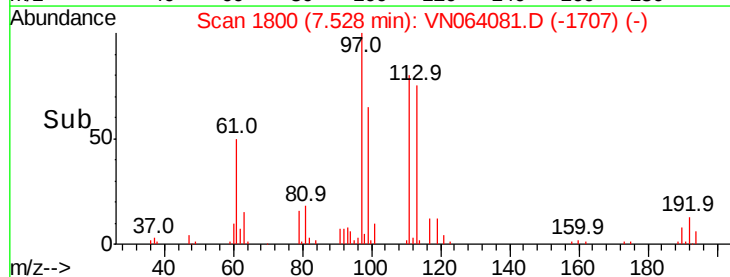
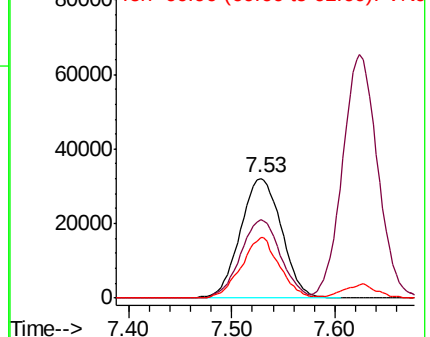
61 46.9 38.7 58.1

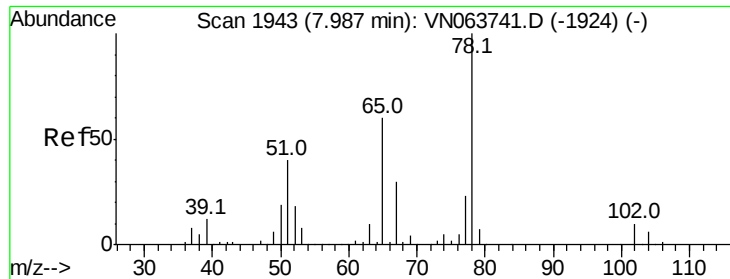


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

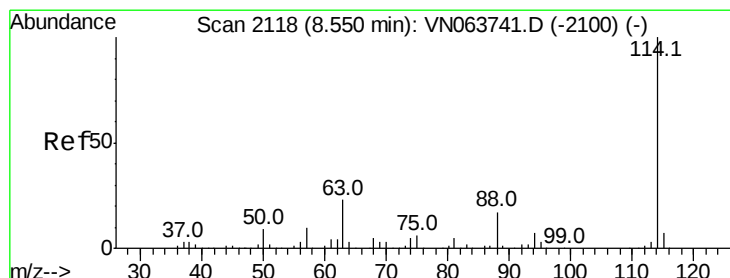
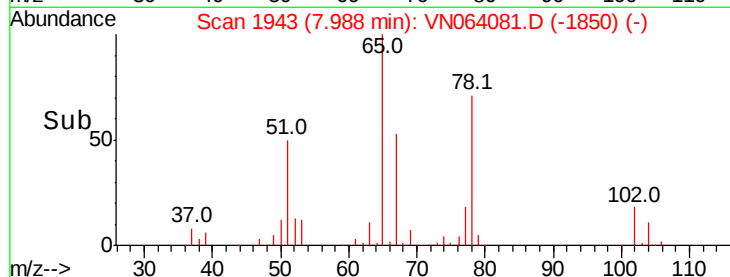
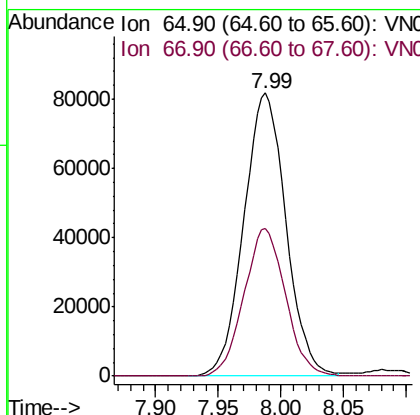
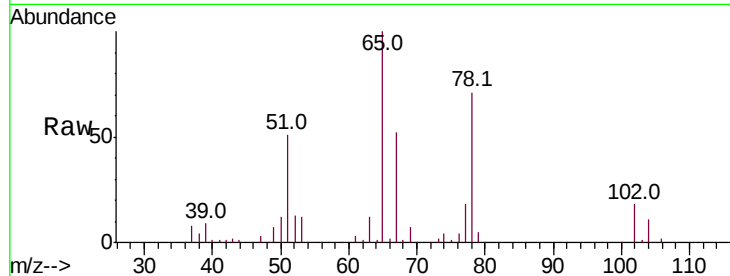




#33
 1,2-Dichloroethane-d4
 Concen: 47.520 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

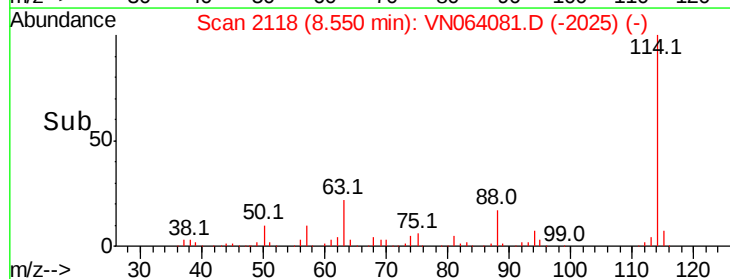
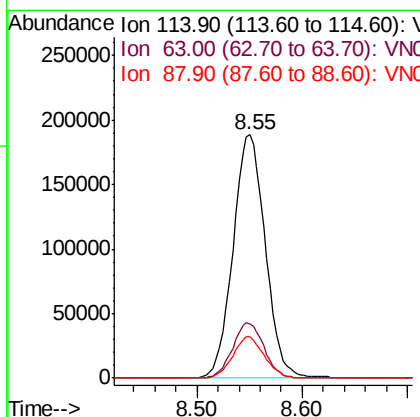
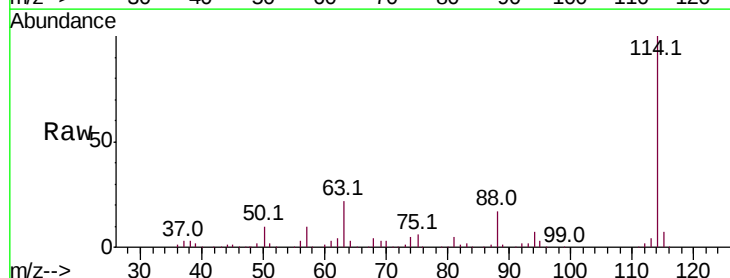
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

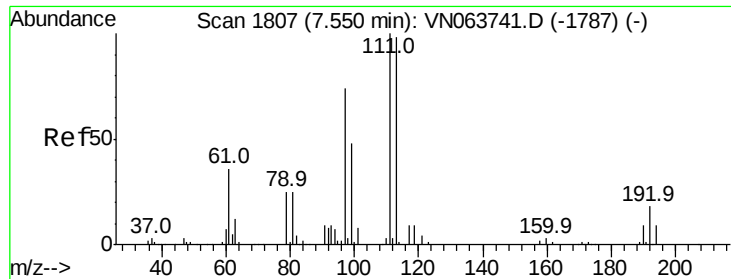
Tot Ion: 65 Resp: 190894
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion: 114 Resp: 399129
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 16.8 0.0 34.0

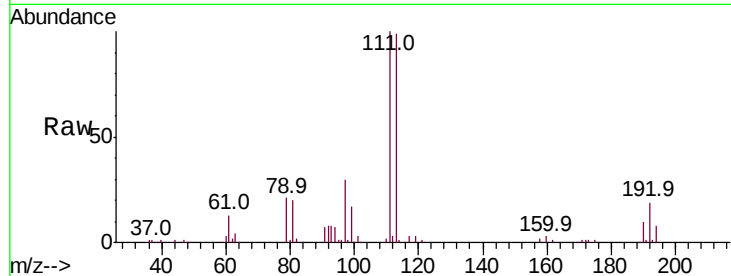




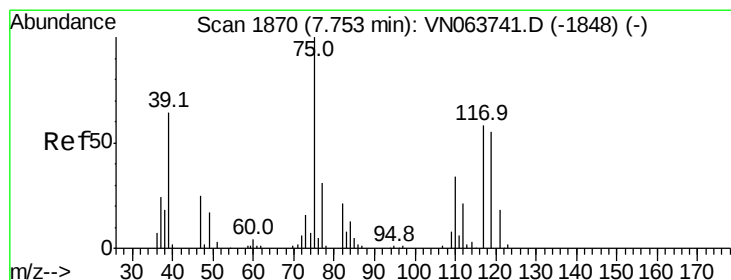
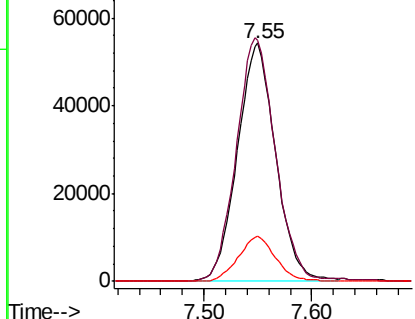
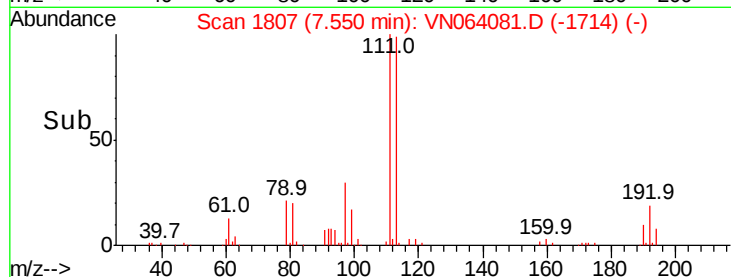
#35
 Dibromofluoromethane
 Concen: 48.314 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN1012WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.8
192	18.4	14.2	21.2

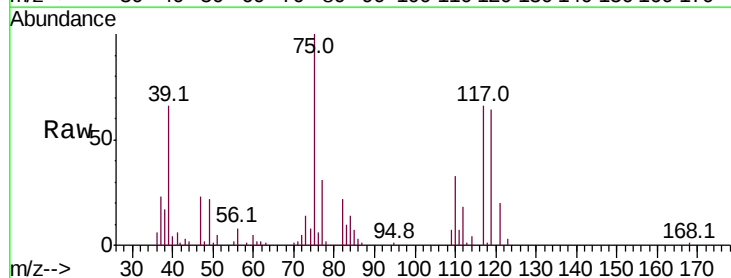


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

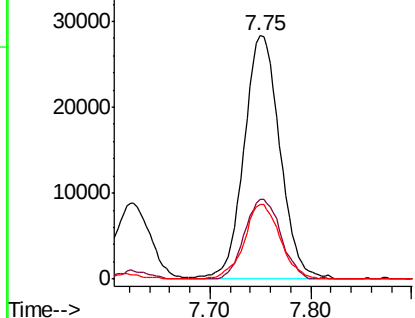
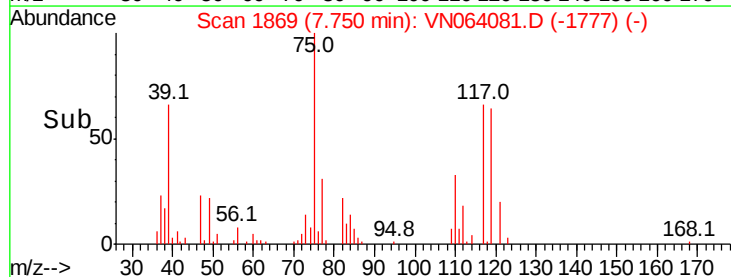


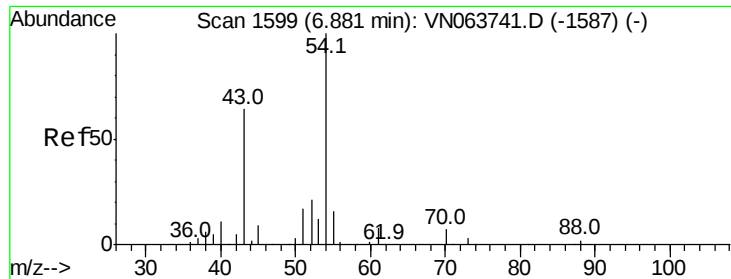
#36
 1,1-Dichloropropene
 Concen: 17.300 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	30.9	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

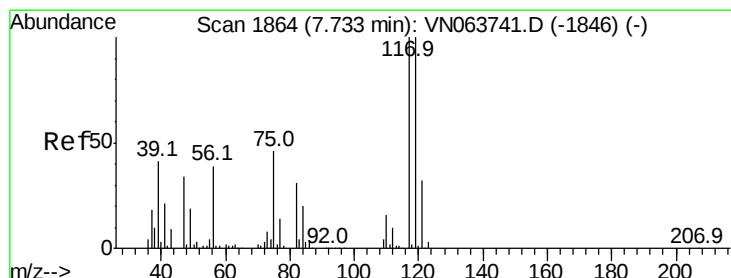
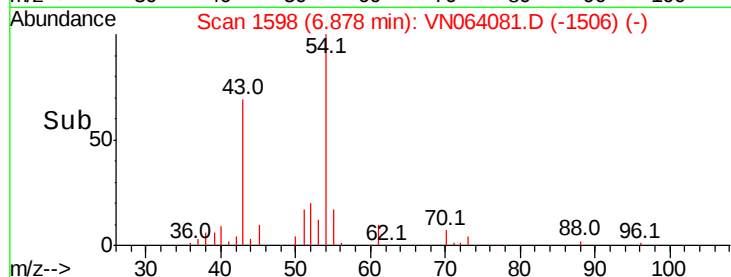
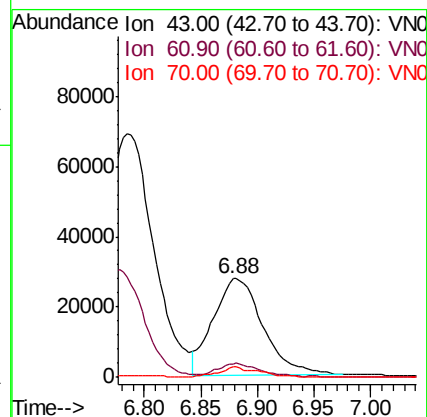
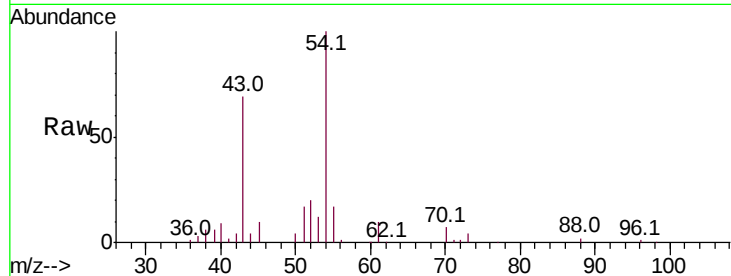




#37
Ethyl Acetate
Concen: 21.148 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

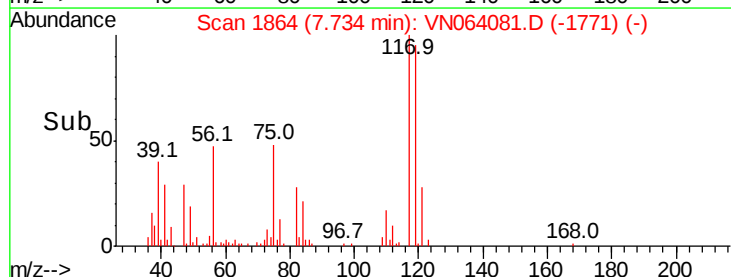
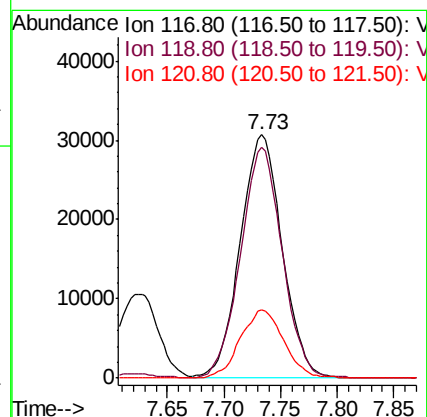
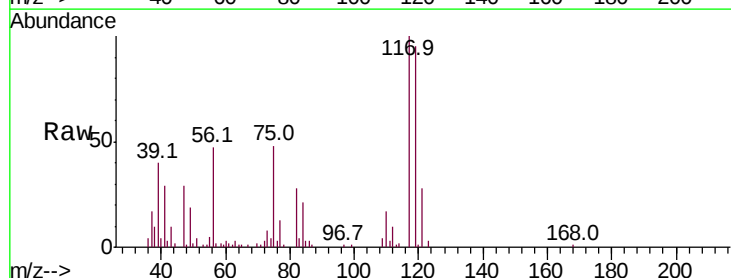
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

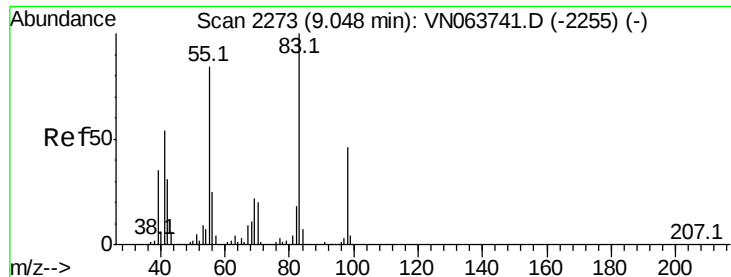
Tot Ion: 43 Resp: 84958
Ion Ratio Lower Upper
43 100
61 11.4 10.4 15.6
70 8.9 7.3 10.9



#38
Carbon Tetrachloride
Concen: 17.505 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 117 Resp: 79370
Ion Ratio Lower Upper
117 100
119 95.1 80.1 120.1
121 28.3 25.7 38.5

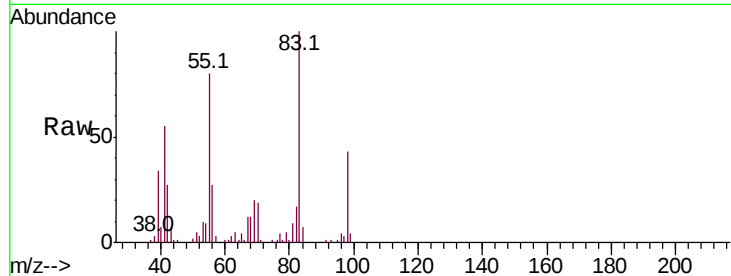




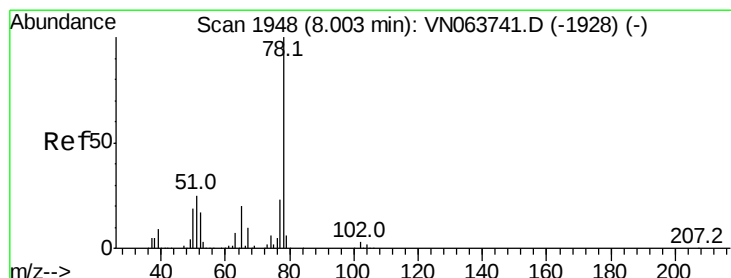
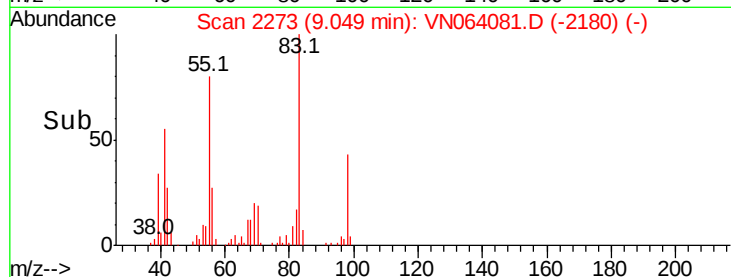
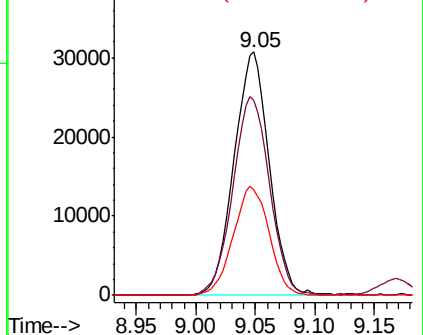
#39
Methvlcvclohexane
Concen: 15.644 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

Tot Ion: 83 Resp: 63084
Ion Ratio Lower Upper
83 100
55 80.1 67.1 100.7
98 43.4 36.6 54.8

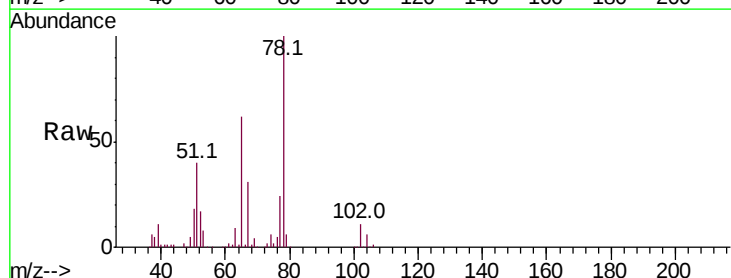


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

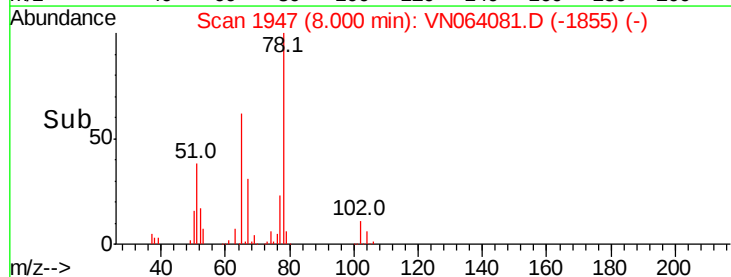
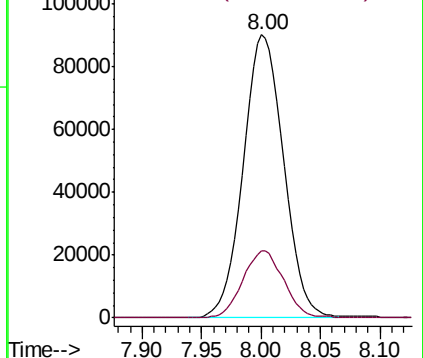


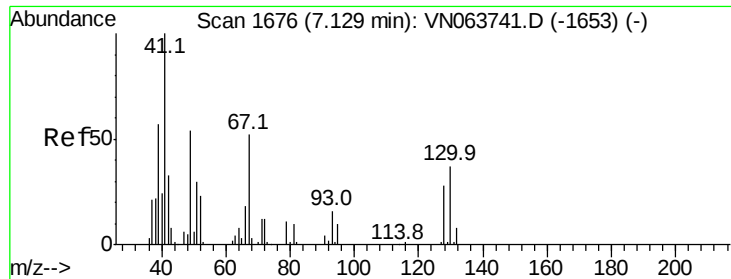
#40
Benzene
Concen: 18.382 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 78 Resp: 212305
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

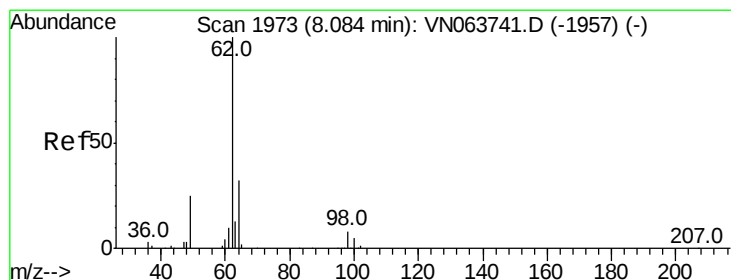
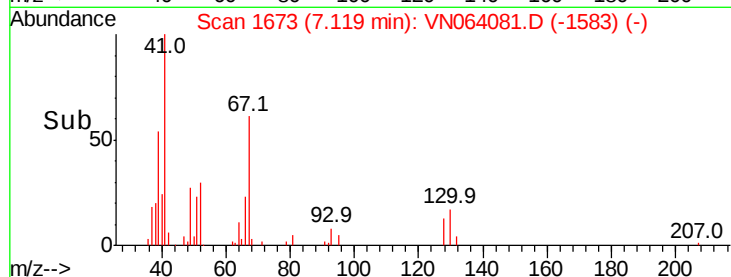
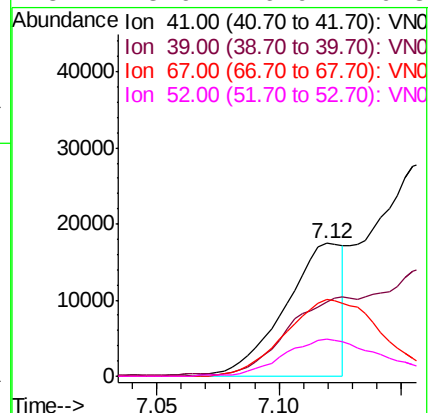
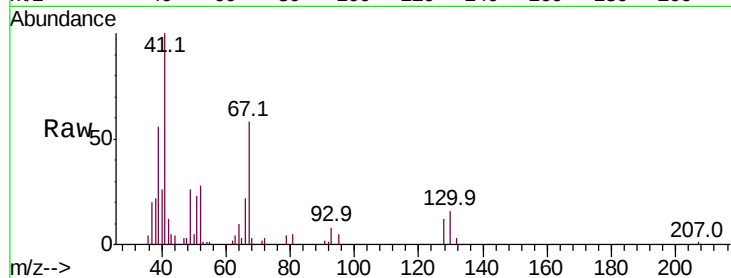




#41
Methacrylonitrile
Concen: 16.022 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

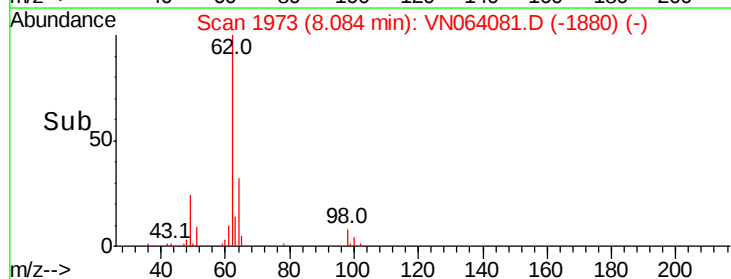
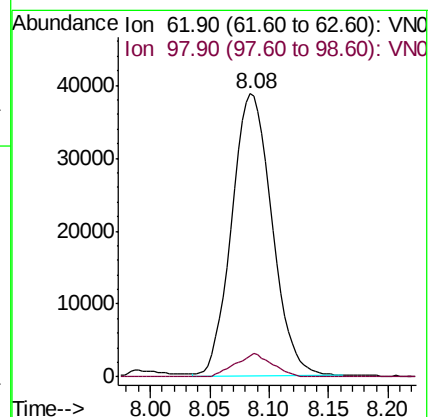
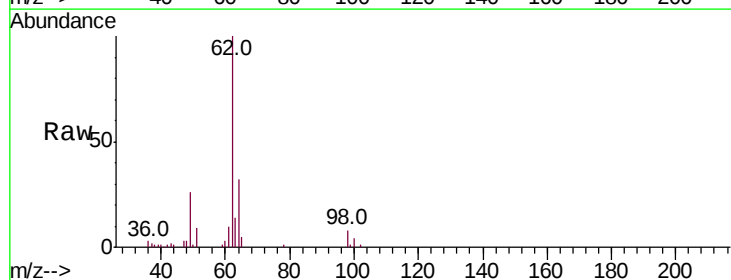
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

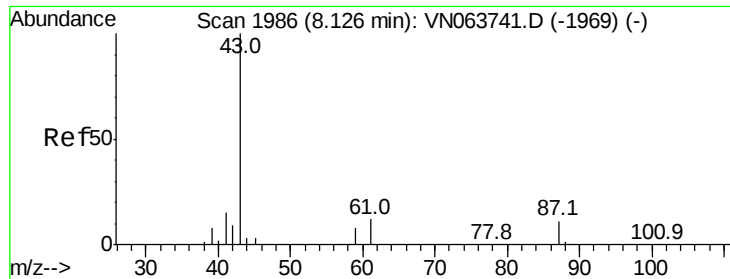
Tot Ion: 41 Resp: 28606
Ion Ratio Lower Upper
41 100
39 68.7 42.5 63.7#
67 100.7 57.4 86.2#
52 48.9 26.9 40.3#



#42
1,2-Dichloroethane
Concen: 18.414 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 62 Resp: 90782
Ion Ratio Lower Upper
62 100
98 7.6 0.0 15.0





#43

Isopropyl Acetate

Concen: 21.211 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

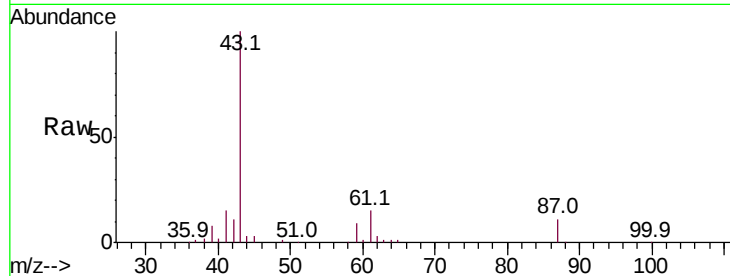
Tot Ion: 43 Resp: 140553

Ion Ratio Lower Upper

43 100

61 23.7 14.2 21.4#

87 10.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN063741.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN063741.D (-1969) (-)

8.13

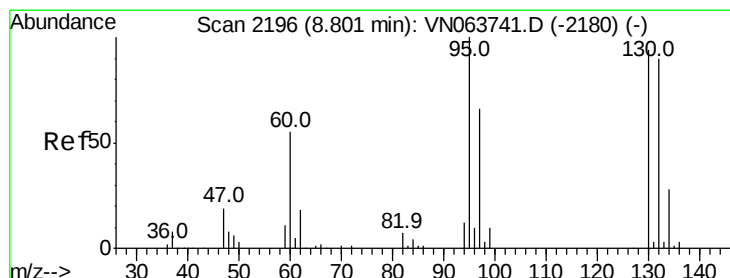
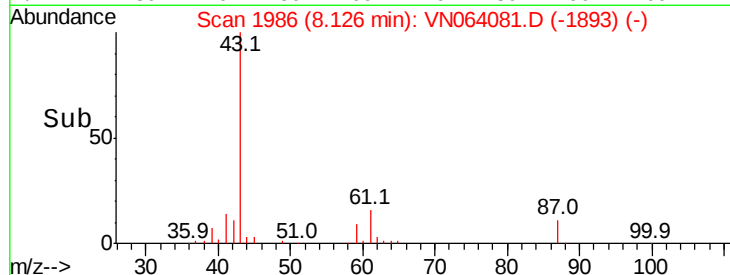
60000

40000

20000

0

Time-->



#44

Trichloroethene

Concen: 17.129 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064081.D

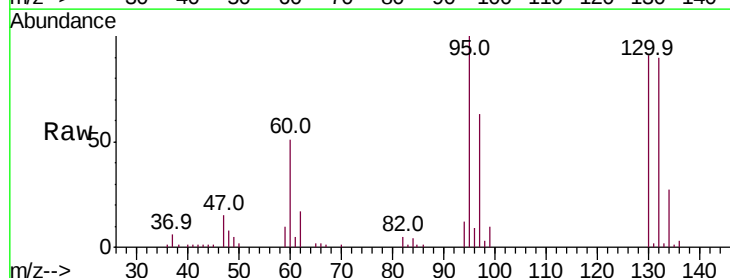
Acq: 12 Oct 2020 16:37

Tgt Ion:130 Resp: 51834

Ion Ratio Lower Upper

130 100

95 110.1 0.0 213.6



Abundance Ion 129.80 (129.50 to 130.50): VN063741.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN063741.D (-2180) (-)

8.80

30000

25000

20000

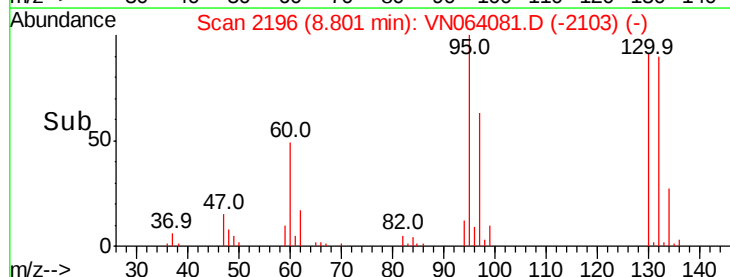
15000

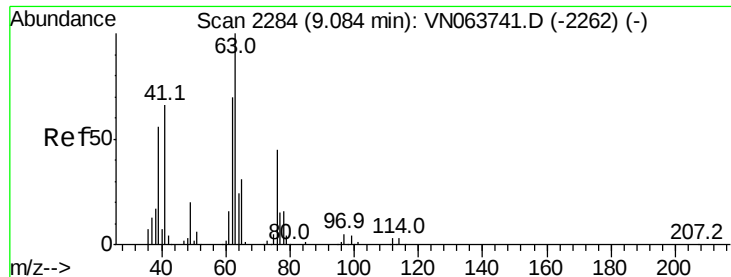
10000

5000

0

Time-->





#45

1,2-Dichloropropane

Concen: 19.547 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

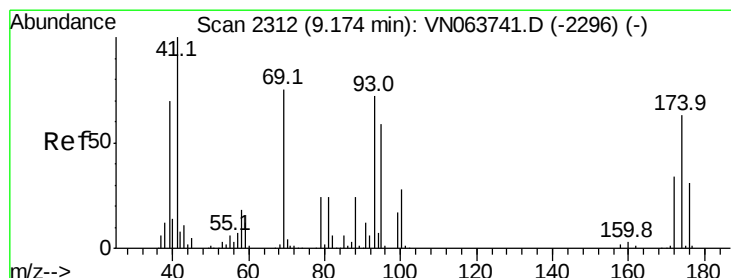
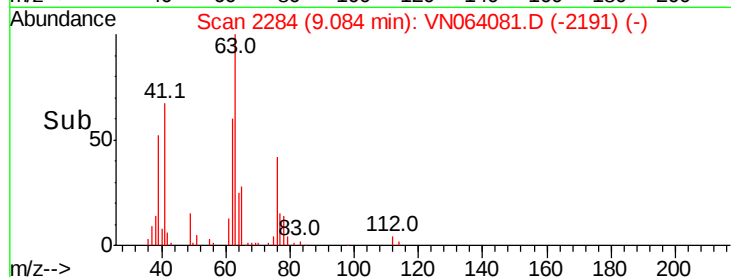
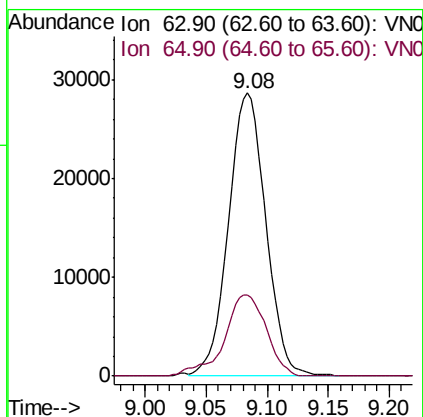
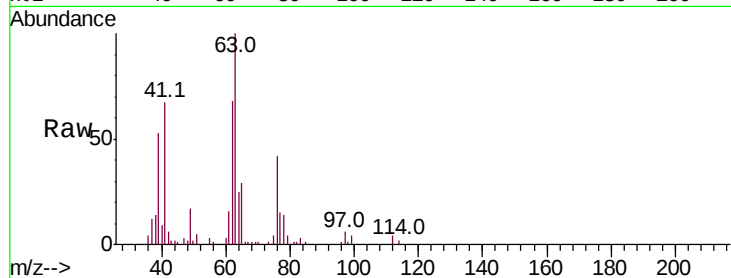
VN1012WBSD01

Tot Ion: 63 Resp: 60971

Ion Ratio Lower Upper

63 100

65 28.9 24.7 37.1



#46

Dibromomethane

Concen: 18.927 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

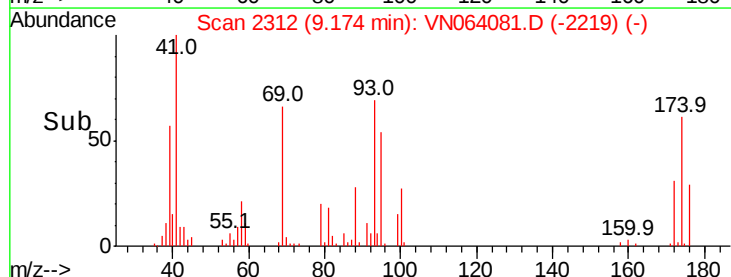
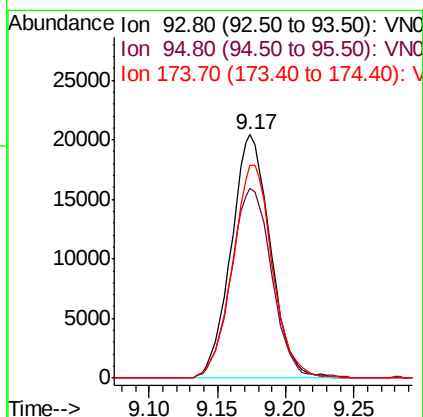
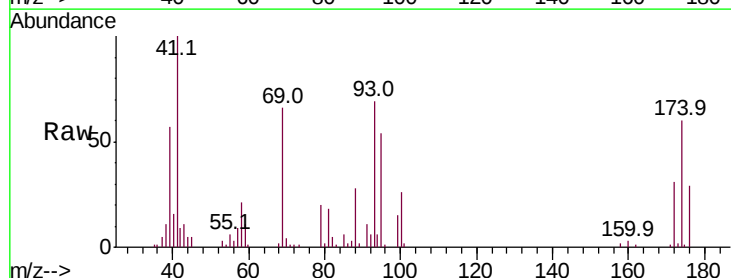
Tgt Ion: 93 Resp: 40726

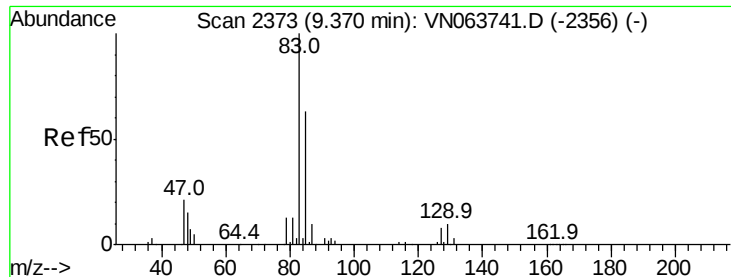
Ion Ratio Lower Upper

93 100

95 81.5 66.3 99.5

174 88.8 72.7 109.1





#47

Bromodichloromethane

Concen: 18.998 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

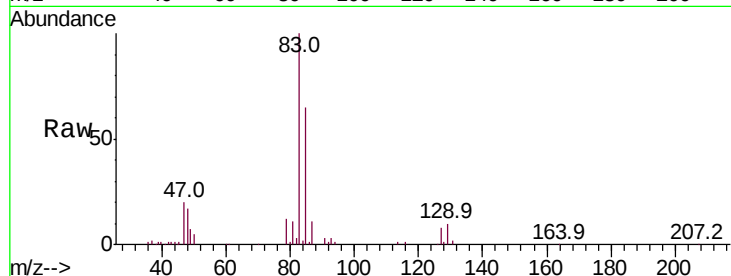
Tot Ion: 83 Resp: 84249

Ion Ratio Lower Upper

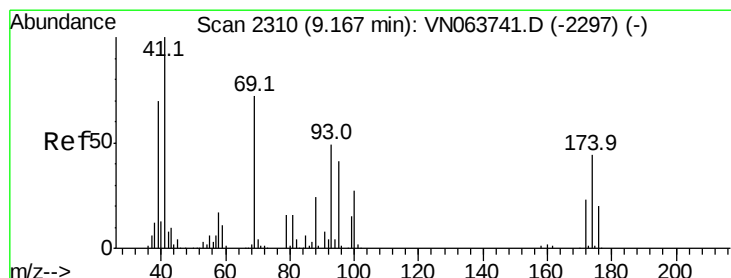
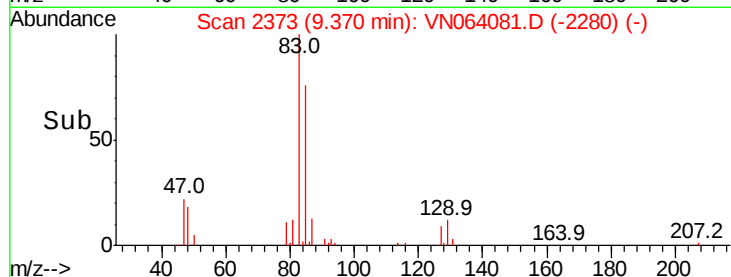
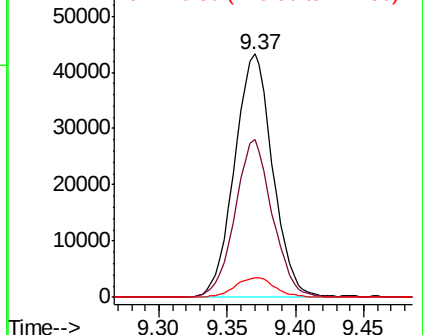
83 100

85 64.7 50.6 75.8

127 7.9 6.6 9.8



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



#48

Methyl methacrylate

Concen: 20.668 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

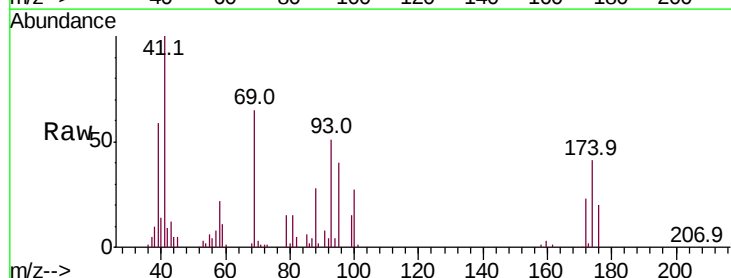
Tgt Ion: 41 Resp: 67663

Ion Ratio Lower Upper

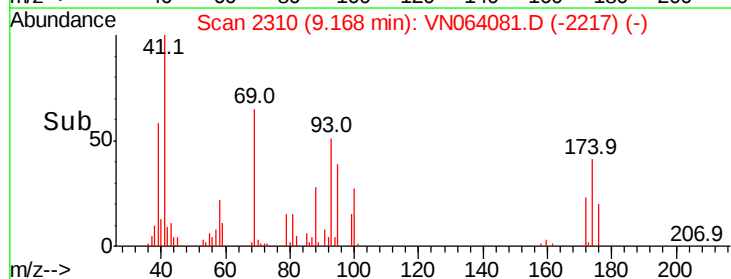
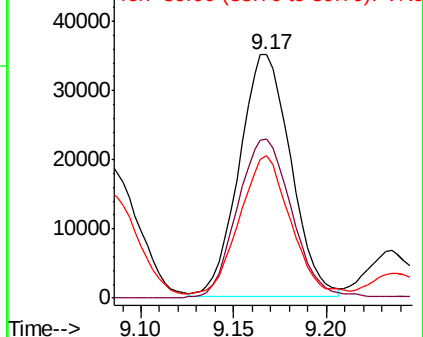
41 100

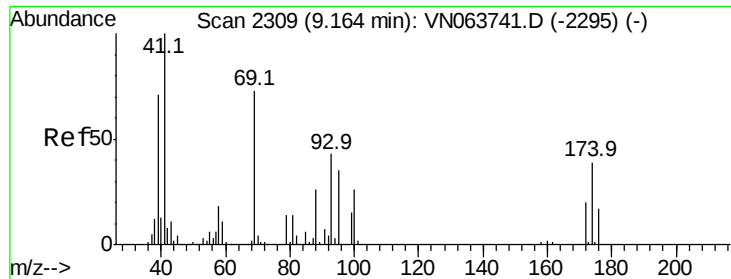
69 69.5 60.9 91.3

39 59.1 57.5 86.3



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





#49

1,4-Dioxane

Concen: 441.424 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

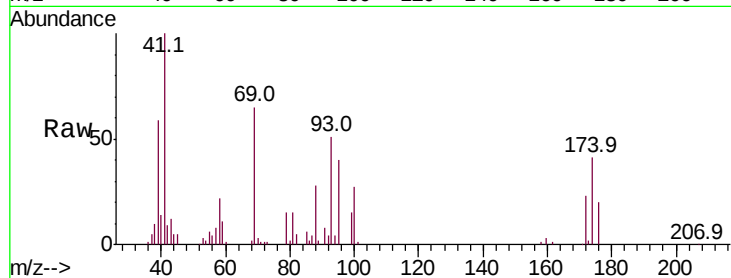
Tot Ion: 88 Resp: 20539

Ion Ratio Lower Upper

88 100

43 37.5 33.1 49.7

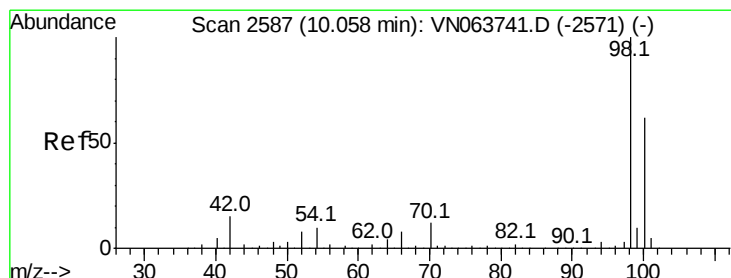
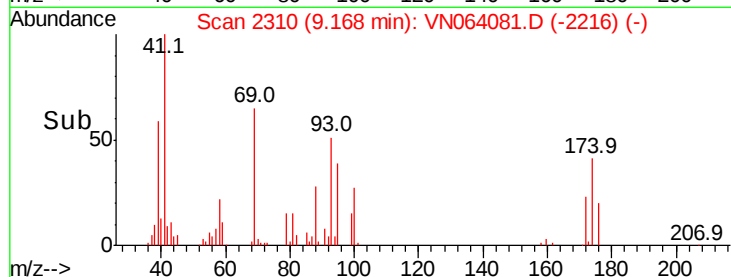
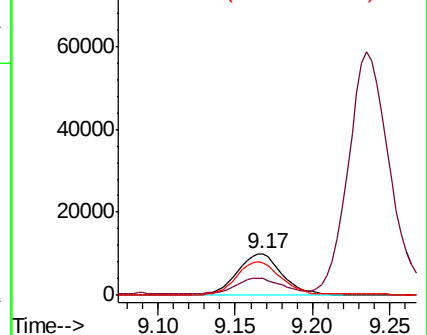
58 79.2 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VN063741.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN063741.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2295) (-)



#50

Toluene-d8

Concen: 47.101 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064081.D

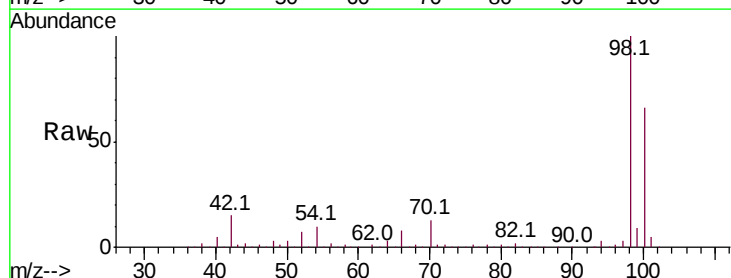
Acq: 12 Oct 2020 16:37

Tgt Ion: 98 Resp: 494503

Ion Ratio Lower Upper

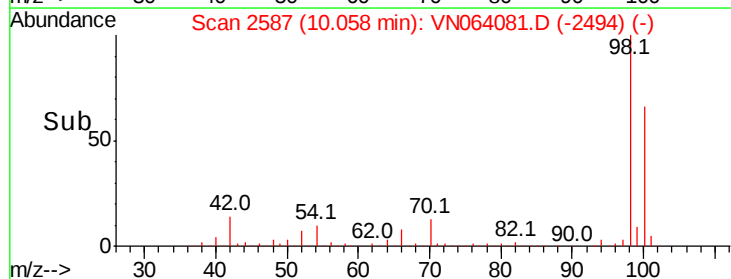
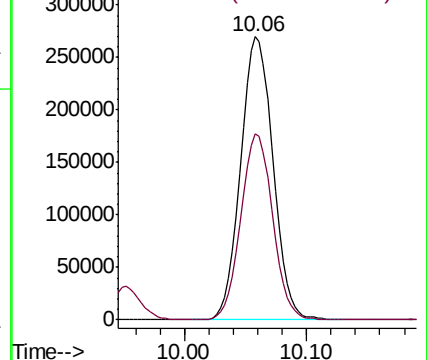
98 100

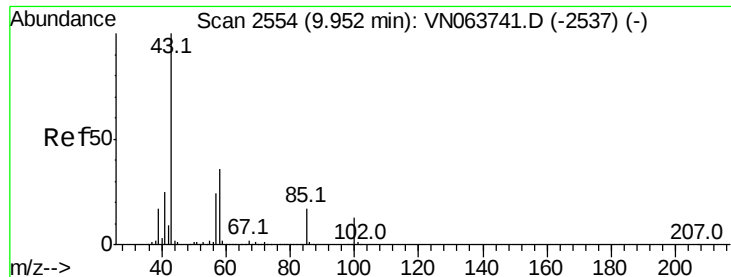
100 65.1 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 113.087 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

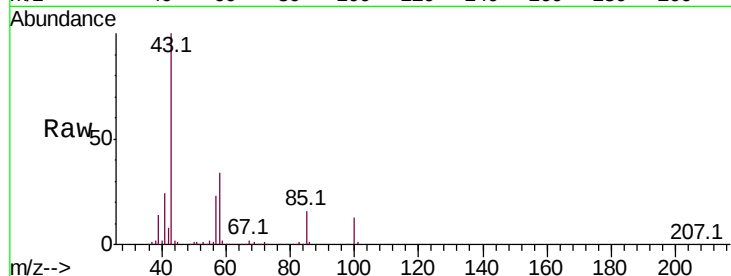
VN1012WBSD01

Tot Ion: 43 Resp: 439762

Ion Ratio Lower Upper

43 100

58 34.6 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)

9.95

250000

200000

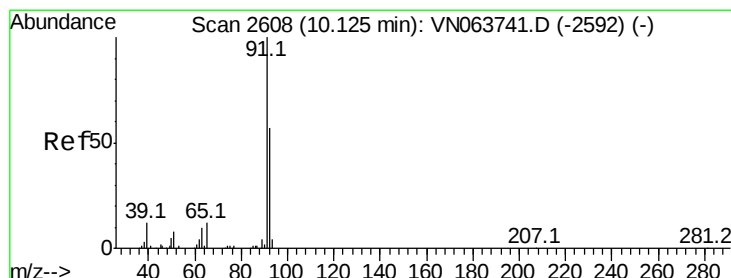
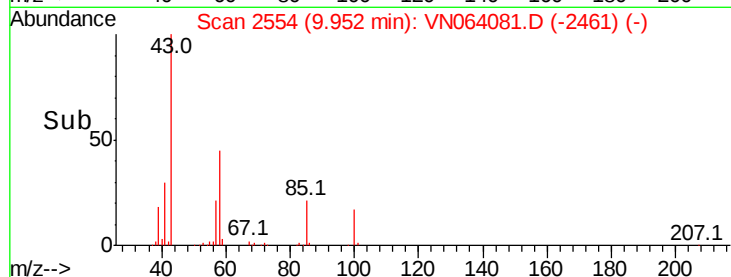
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.868 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064081.D

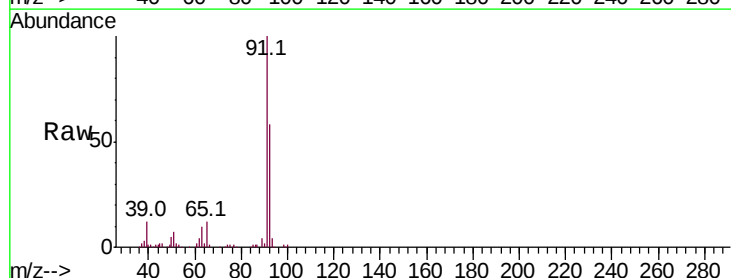
Acq: 12 Oct 2020 16:37

Tgt Ion: 92 Resp: 134791

Ion Ratio Lower Upper

92 100

91 171.8 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN063741.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063741.D (-2592) (-)

10.12

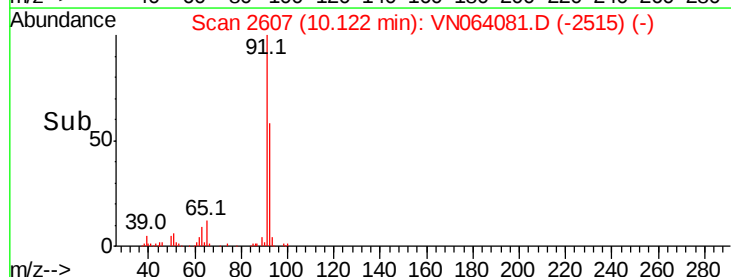
150000

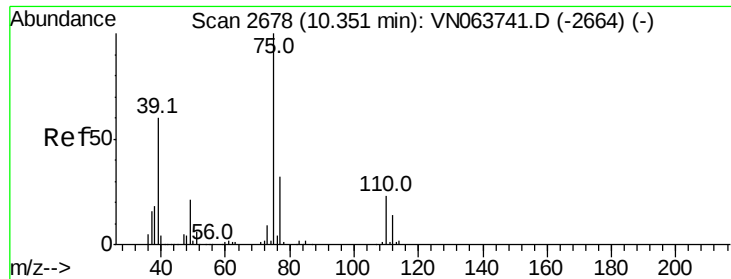
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.611 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampled :

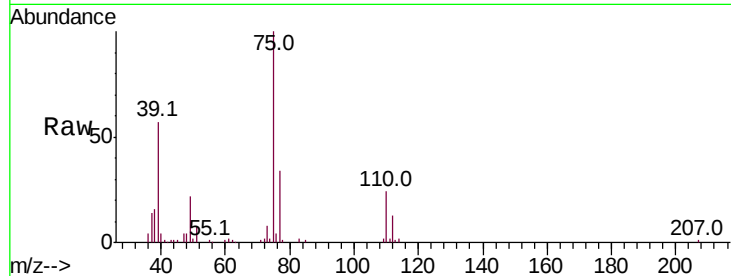
VN1012WBSD01

Tot Ion: 75 Resp: 88470

Ion Ratio Lower Upper

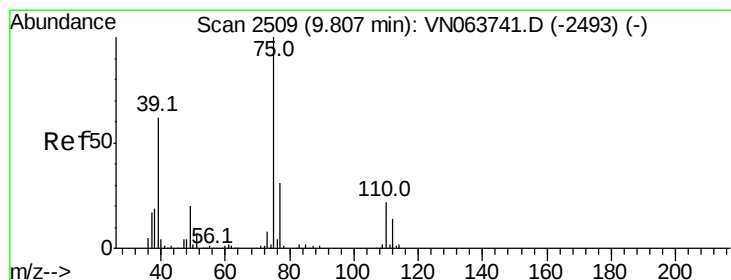
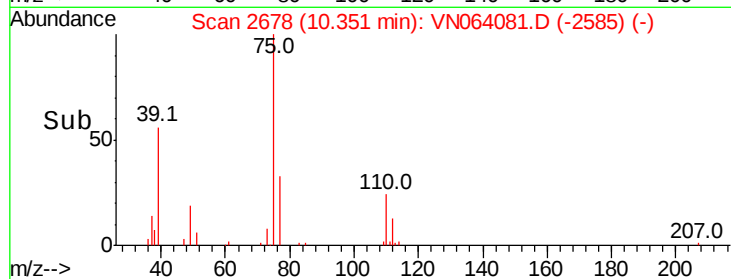
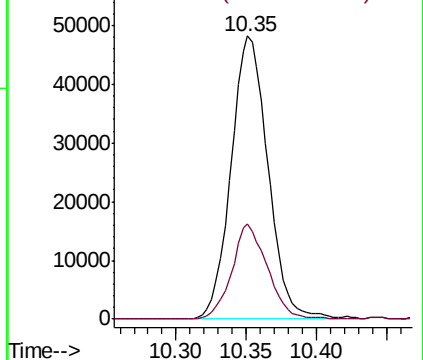
75 100

77 33.8 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: 18.722 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

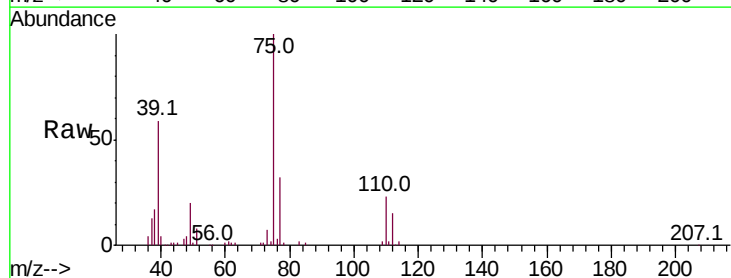
Tgt Ion: 75 Resp: 93074

Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8

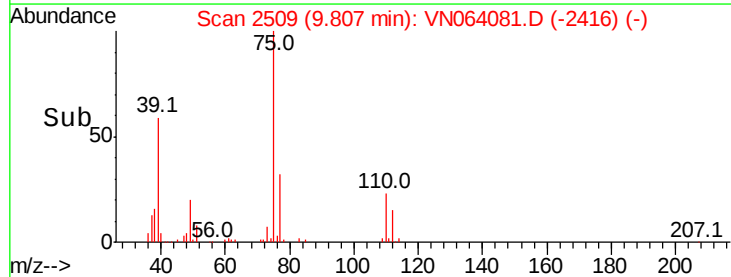
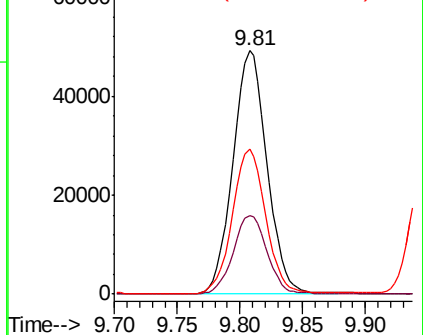
39 59.0 49.7 74.5

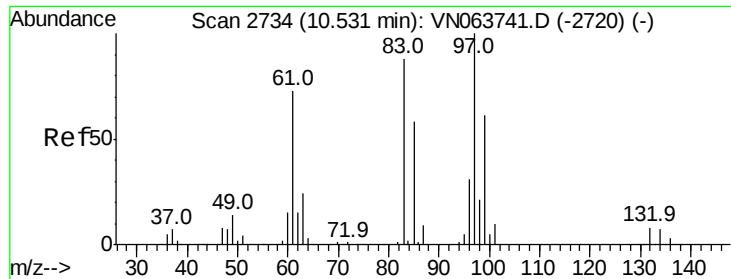


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

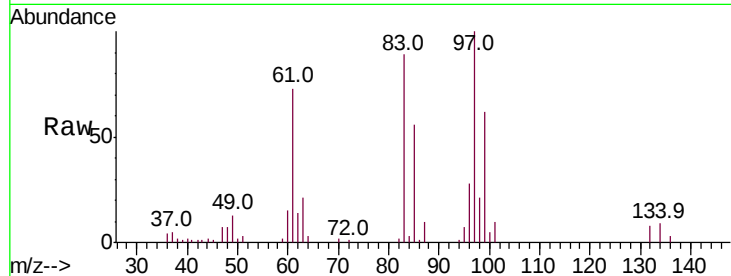




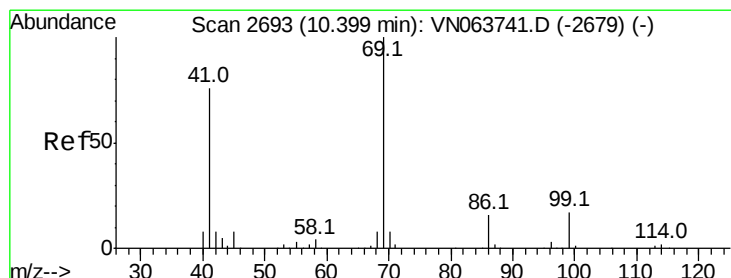
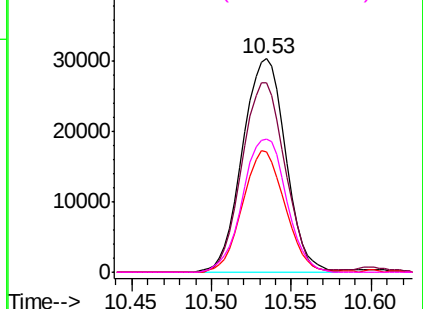
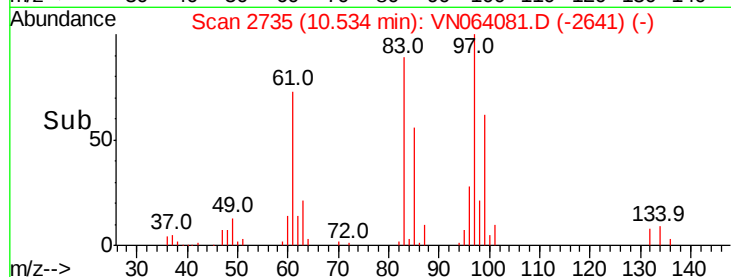
#55
 1,1,2-Trichloroethane
 Concen: 19.628 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

Tot Ion: 97 Resp: 56232
 Ion Ratio Lower Upper
 97 100
 83 89.0 70.7 106.1
 85 56.4 46.1 69.1
 99 62.3 48.8 73.2

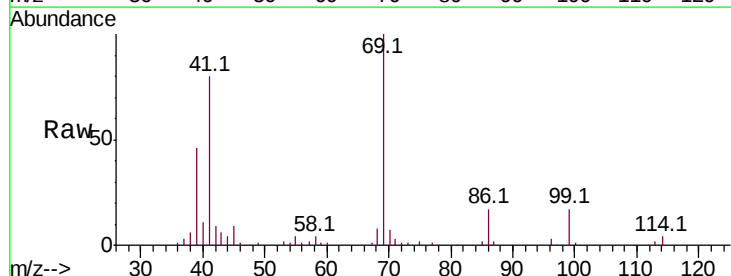


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

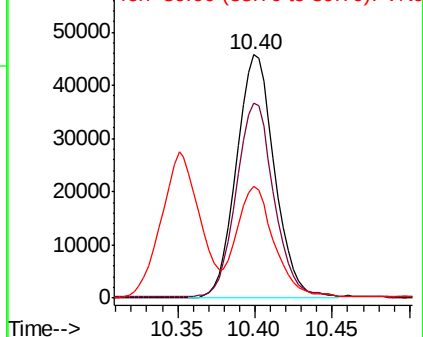
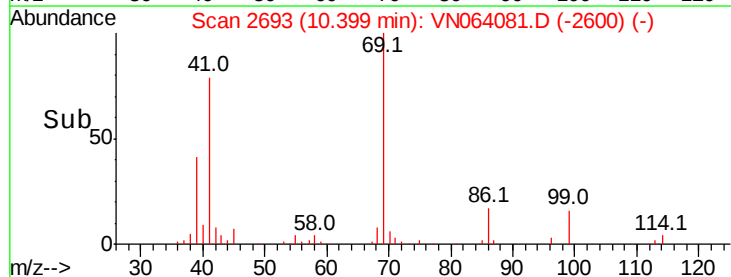


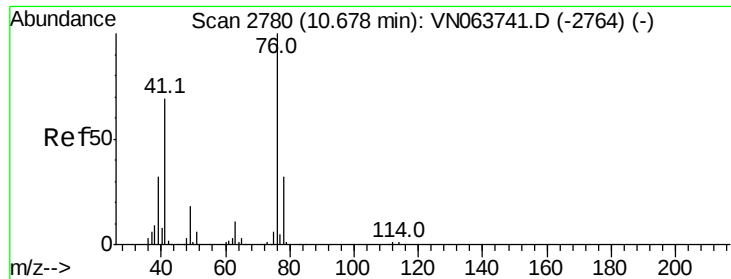
#56
 Ethyl methacrylate
 Concen: 19.356 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion: 69 Resp: 78603
 Ion Ratio Lower Upper
 69 100
 41 78.7 61.1 91.7
 39 45.1 42.2 63.4



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





#57

1,3-Dichloropropane

Concen: 19.963 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

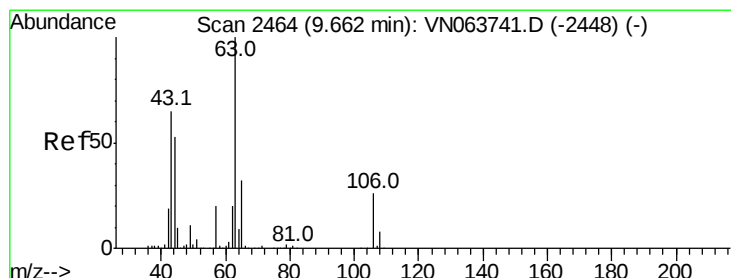
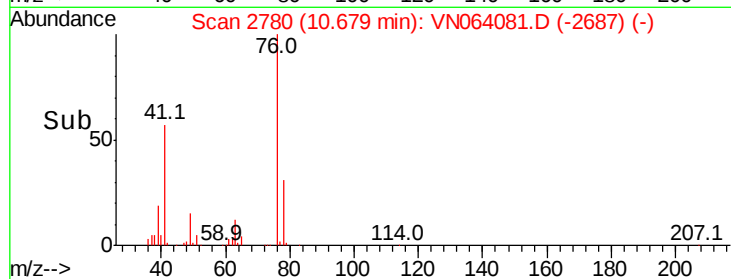
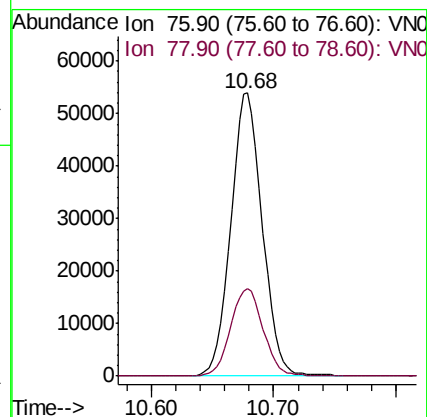
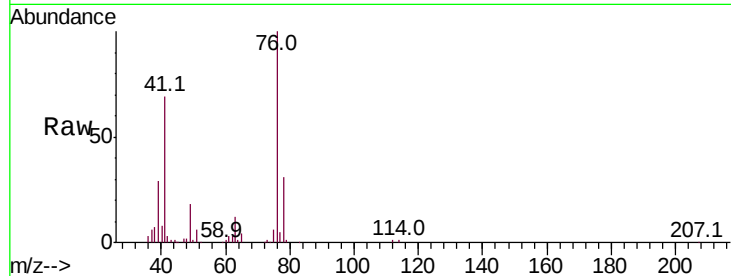
VN1012WBSD01

Tot Ion: 76 Resp: 96758

Ion Ratio Lower Upper

76 100

78 32.0 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 100.893 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064081.D

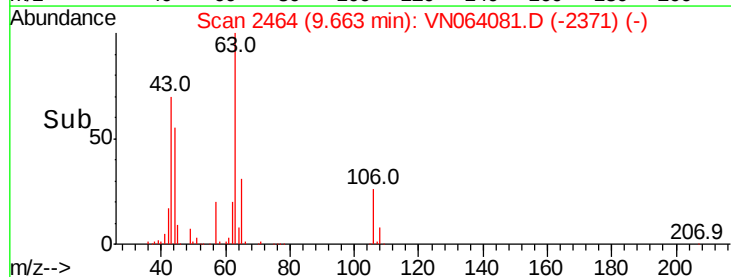
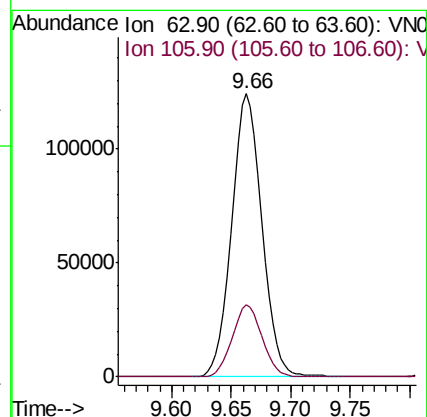
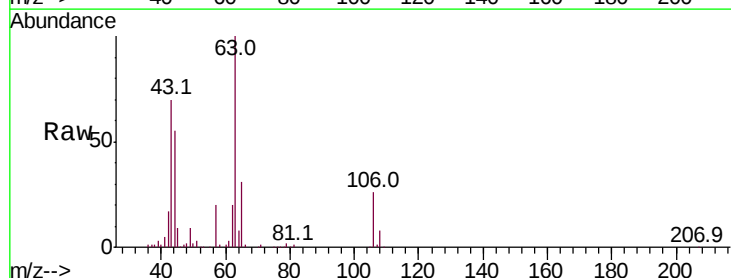
Acq: 12 Oct 2020 16:37

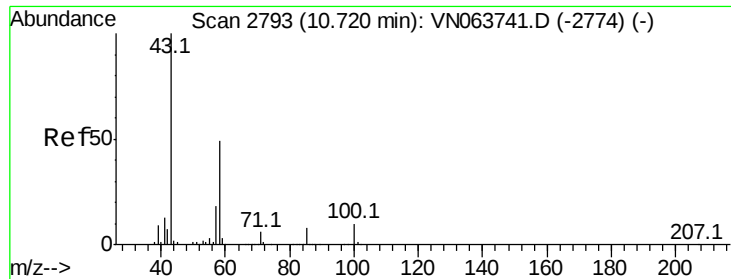
Tgt Ion: 63 Resp: 219159

Ion Ratio Lower Upper

63 100

106 25.2 20.7 31.1

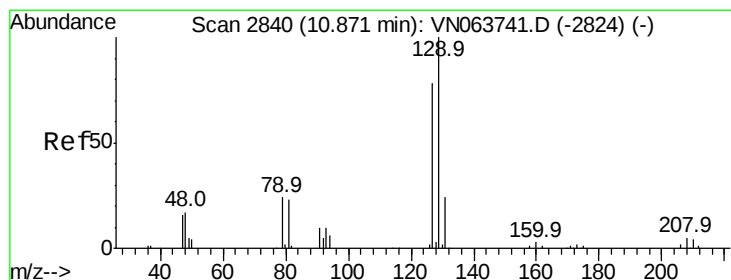
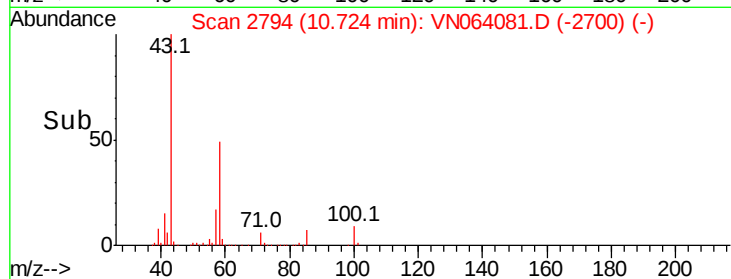
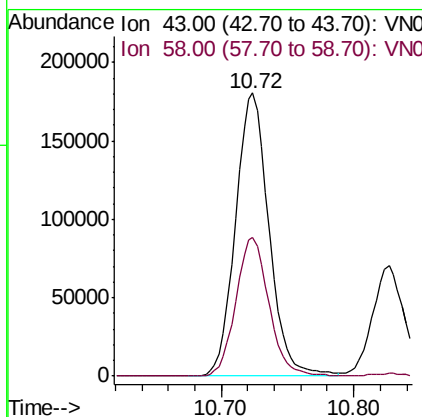
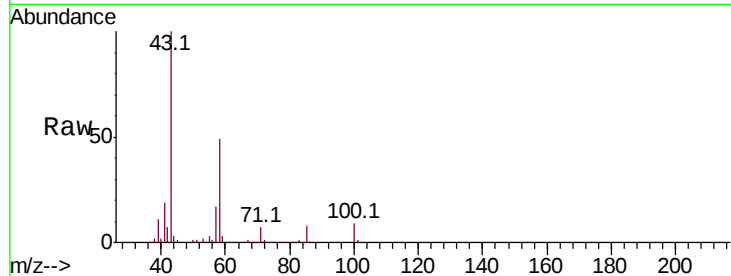




#59
2-Hexanone
Concen: 109.034 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

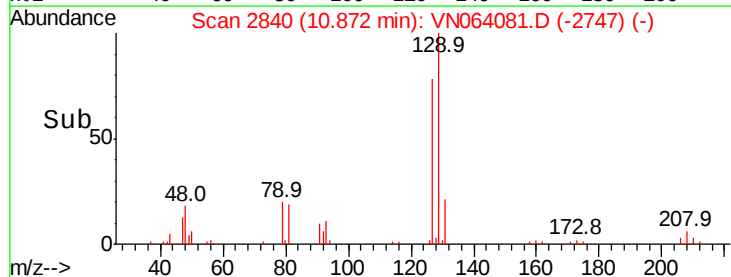
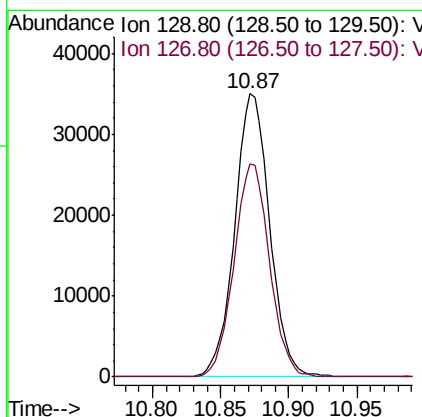
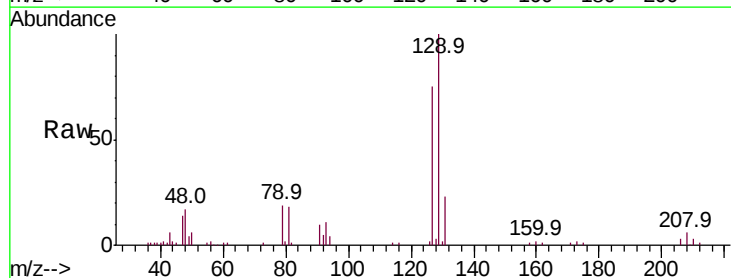
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

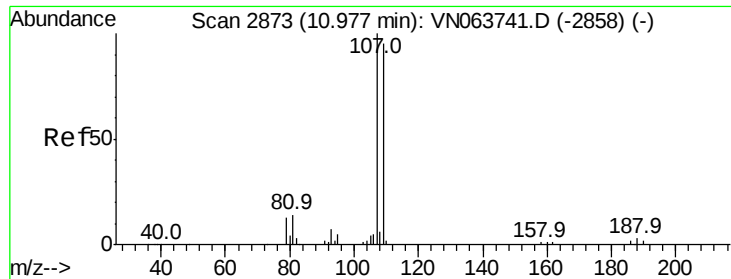
Tot Ion: 43 Resp: 314974
Ion Ratio Lower Upper
43 100
58 48.7 24.6 73.8



#60
Dibromochloromethane
Concen: 18.710 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 129 Resp: 62425
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.7

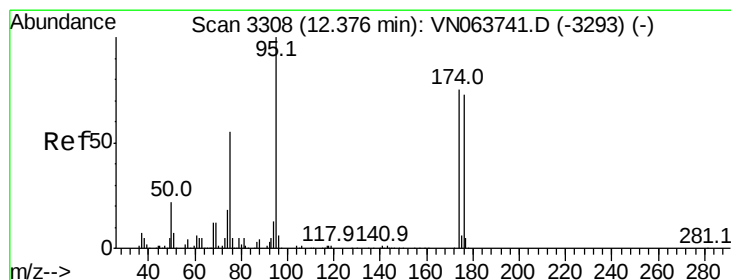
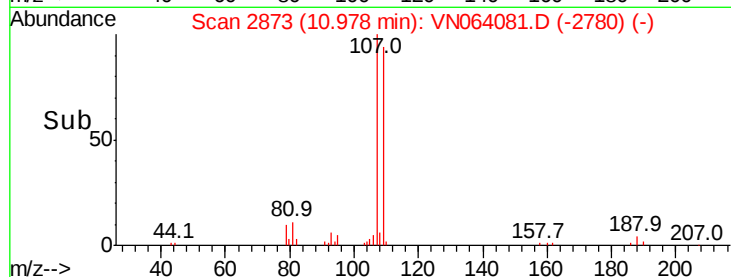
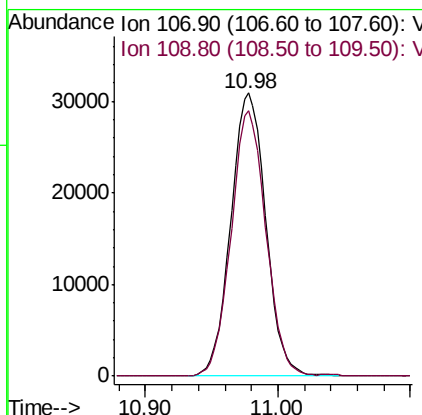
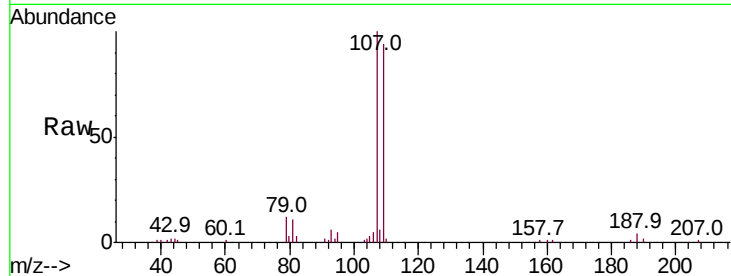




#61
 1,2-Dibromoethane
 Concen: 19.325 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

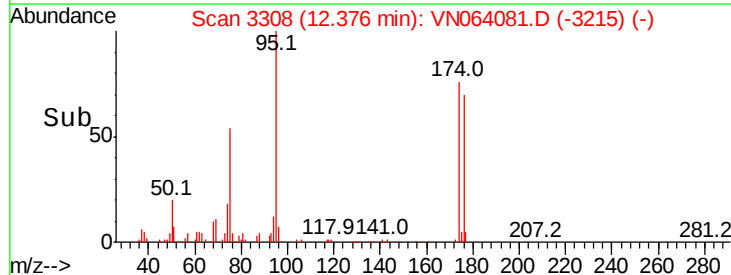
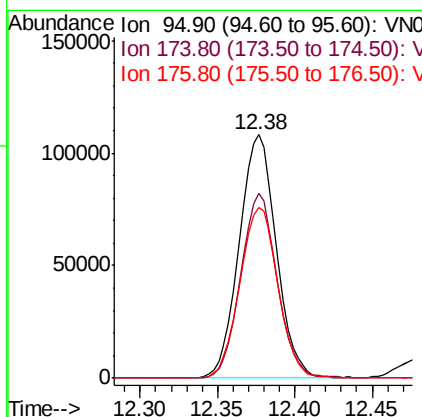
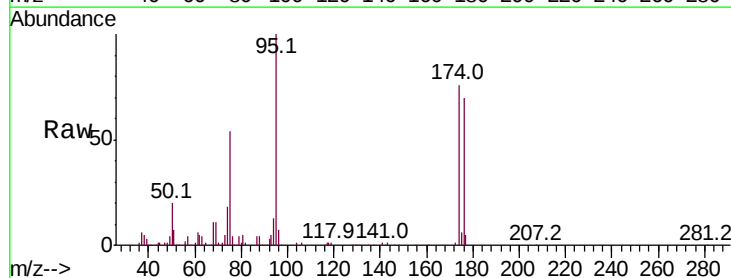
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

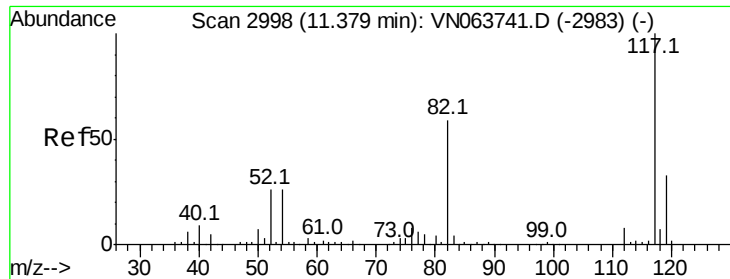
Tot Ion:107 Resp: 56634
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 45.739 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion: 95 Resp: 180512
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.6
 176 72.0 0.0 145.4

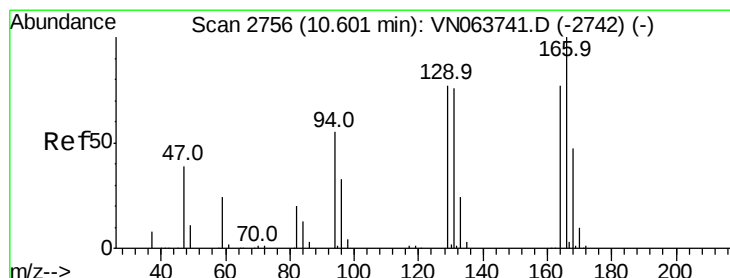
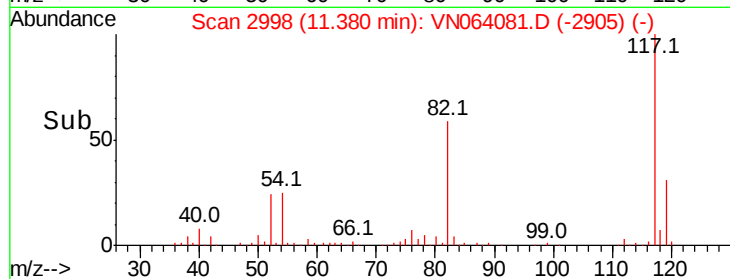
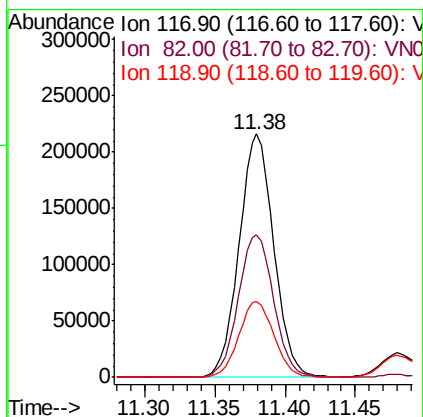
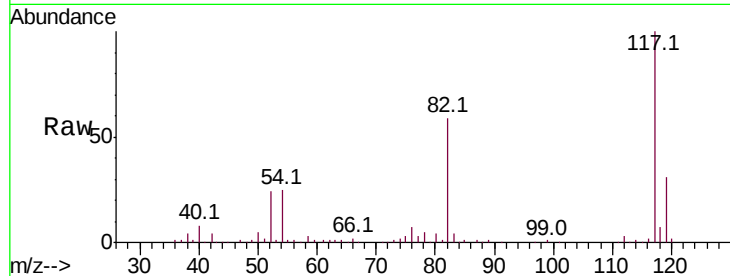




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

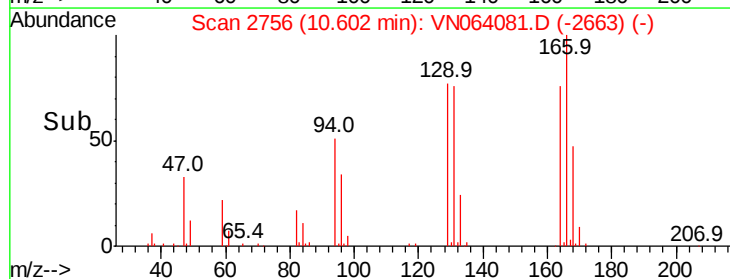
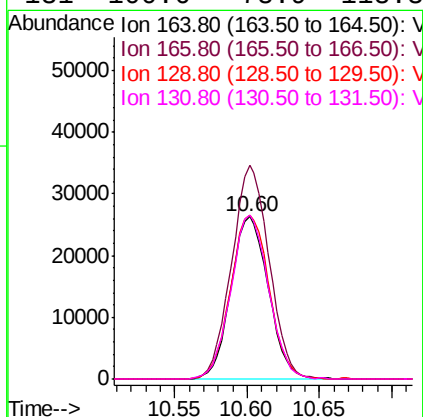
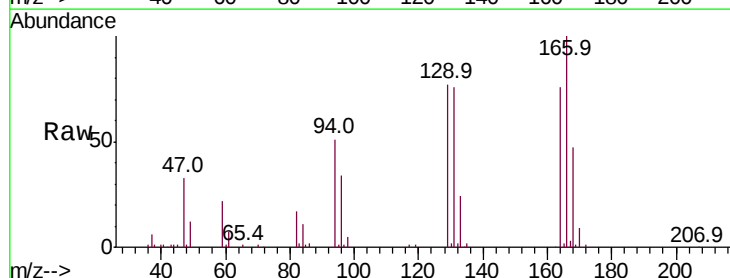
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

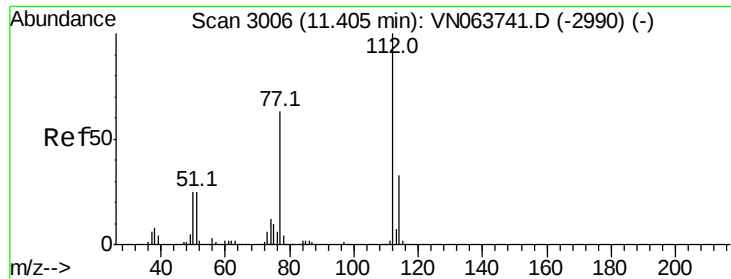
Tot Ion:117 Resp: 372705
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.4 26.4 39.6



#64
Tetrachloroethene
Concen: 16.423 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion:164 Resp: 47357
Ion Ratio Lower Upper
164 100
166 131.7 103.9 155.9
129 101.0 80.3 120.5
131 100.6 78.9 118.3

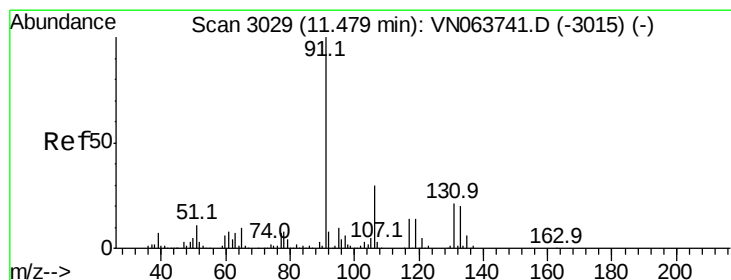
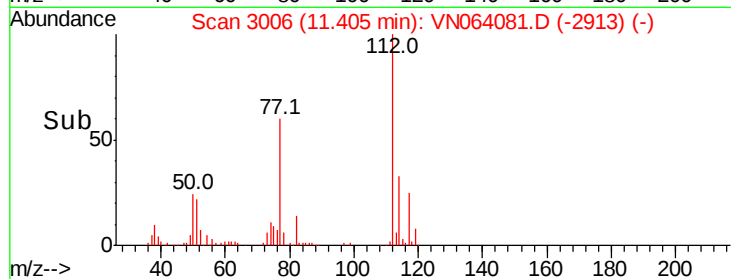
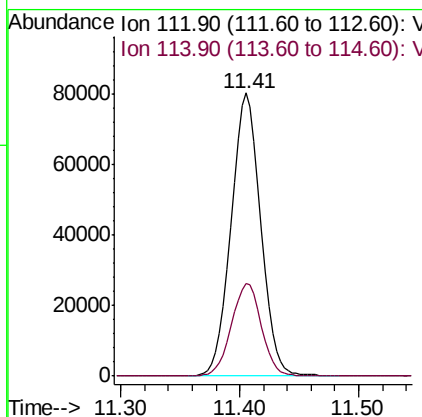
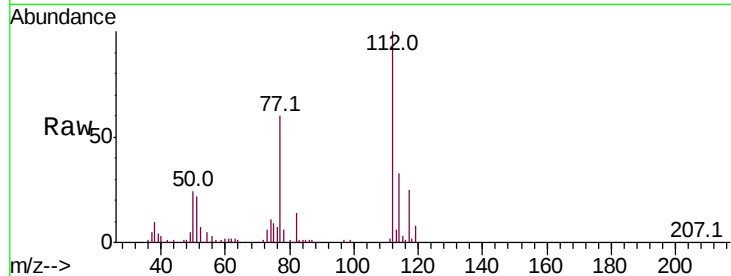




#65
Chlorobenzene
Concen: 18.101 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

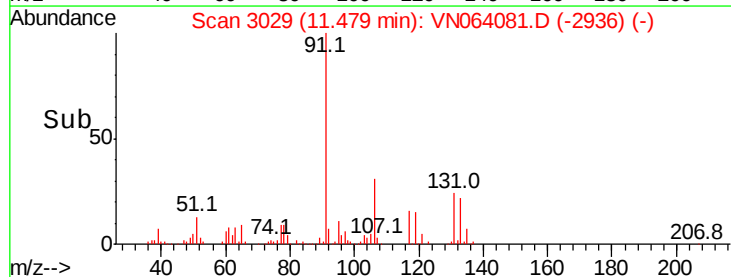
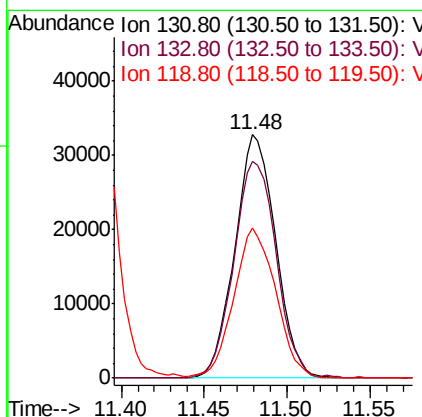
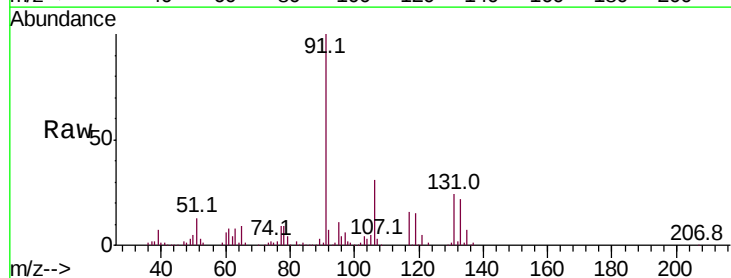
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

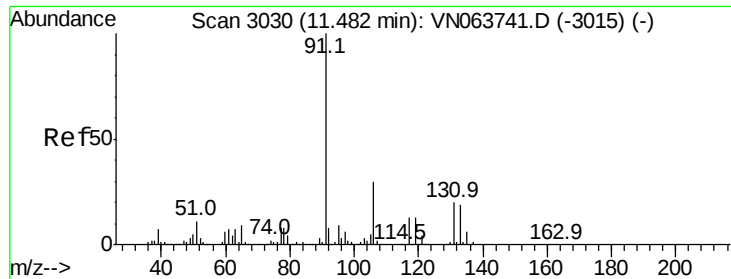
Tot Ion:112 Resp: 138385
Ion Ratio Lower Upper
112 100
114 32.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.178 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion:131 Resp: 56210
Ion Ratio Lower Upper
131 100
133 93.1 47.3 141.8
119 63.3 32.6 97.7

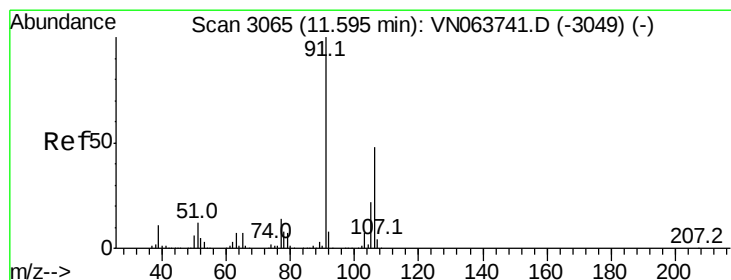
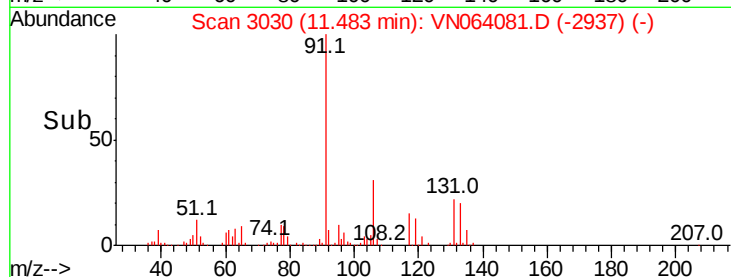
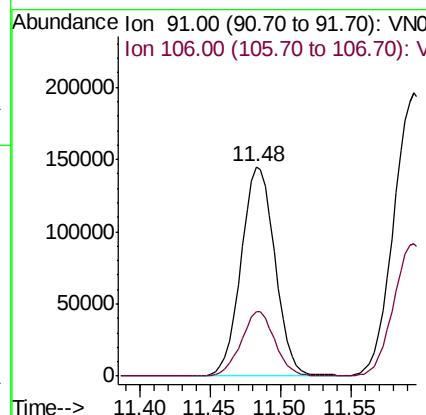
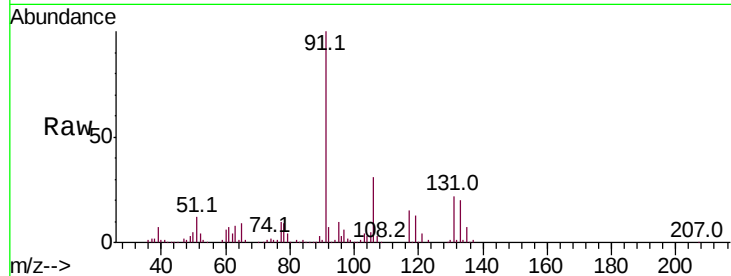




#67
Ethyl Benzene
Concen: 17.599 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

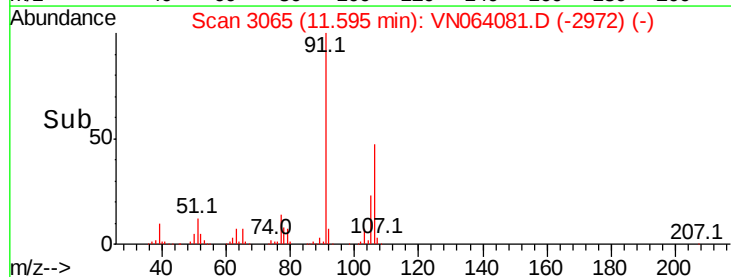
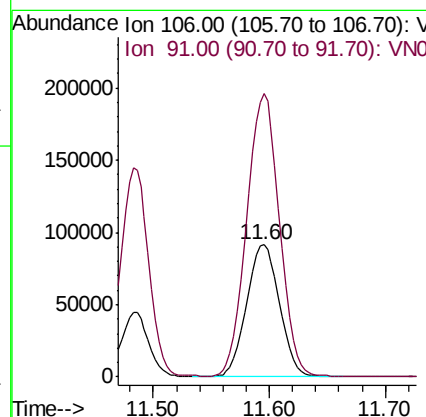
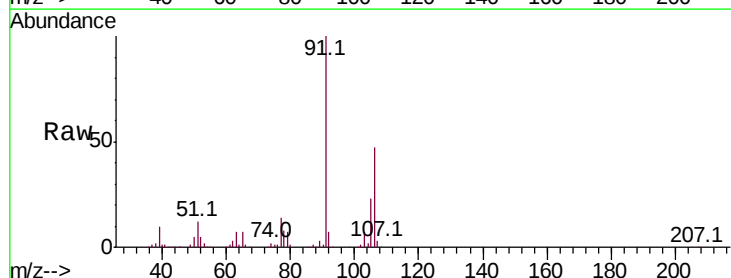
Instrument :
MSVOA_N
ClientSampled :
VN1012WBSD01

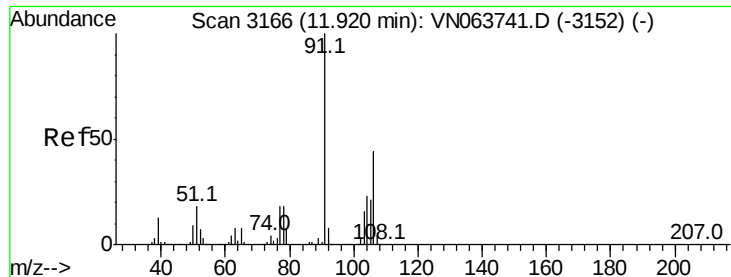
Tot Ion: 91 Resp: 244833
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.2



#68
m/p-Xylenes
Concen: 34.989 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 106 Resp: 181412
Ion Ratio Lower Upper
106 100
91 211.5 168.0 252.0

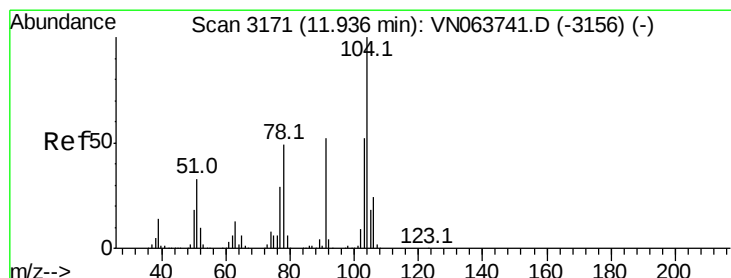
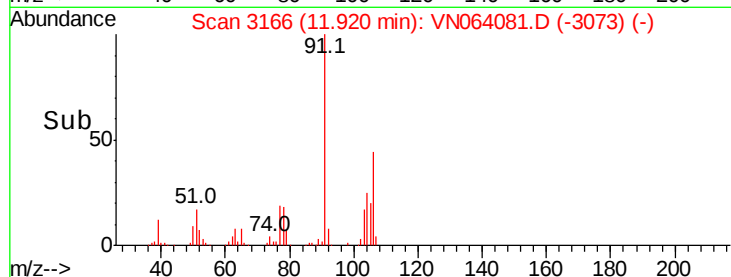
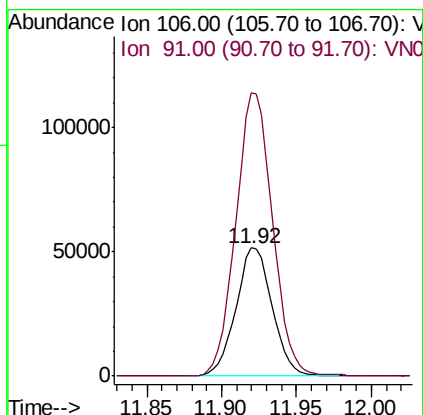
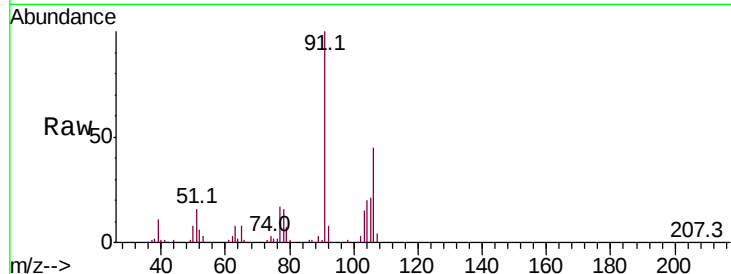




#69
o-Xylene
Concen: 18.039 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

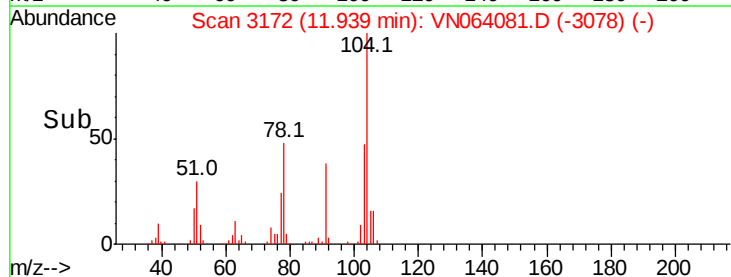
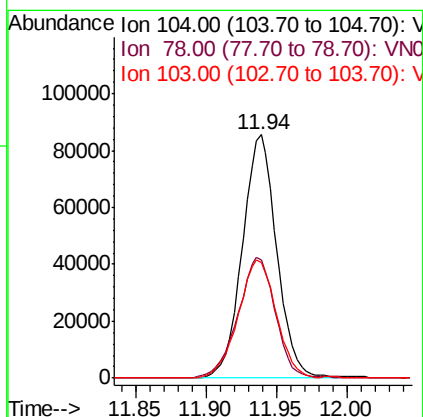
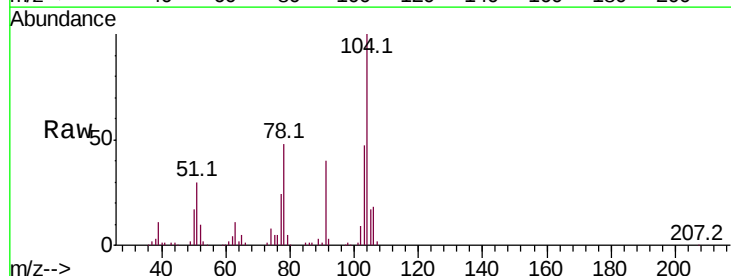
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

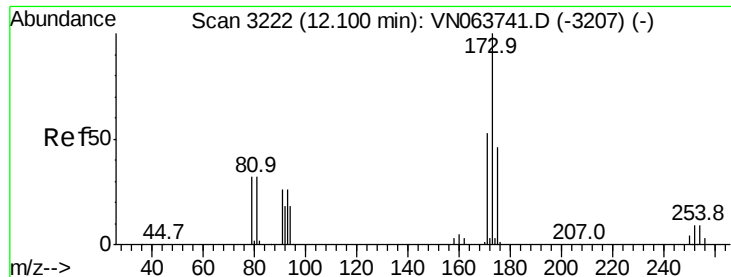
Tot Ion:106 Resp: 87421
Ion Ratio Lower Upper
106 100
91 223.8 112.7 338.0



#70
Styrene
Concen: 17.744 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion:104 Resp: 145965
Ion Ratio Lower Upper
104 100
78 54.0 44.1 66.1
103 53.6 44.3 66.5





#71

Bromoform

Concen: 18.373 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

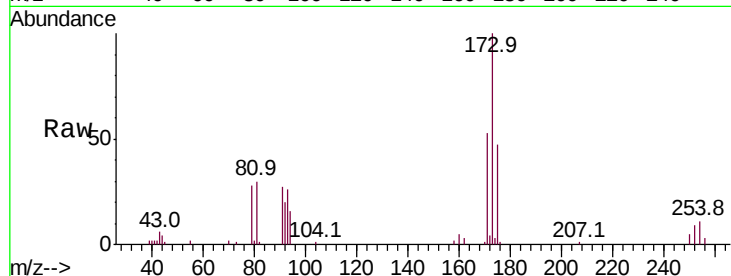
Tot Ion:173 Resp: 41187

Ion Ratio Lower Upper

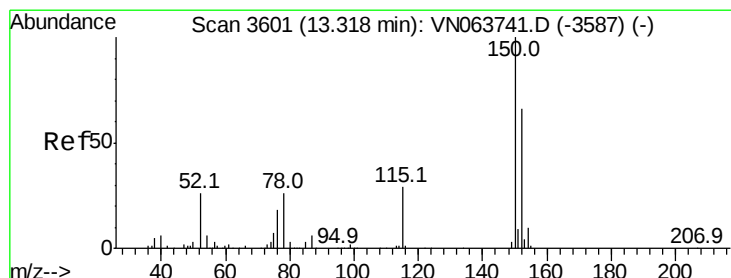
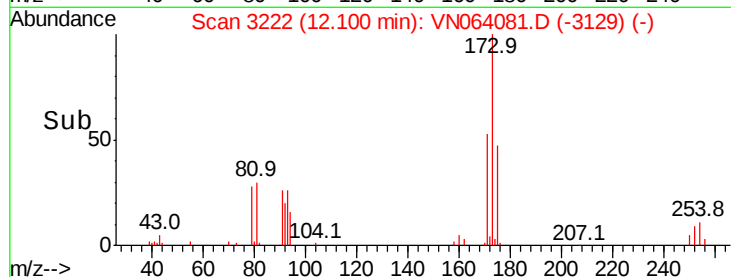
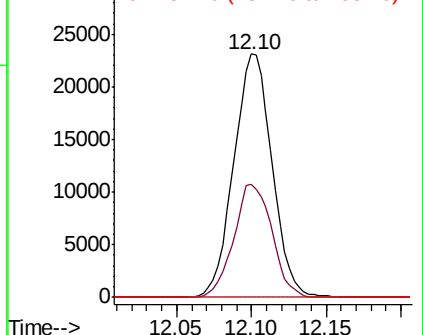
173 100

175 46.2 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: VN064081.D

Acq: 12 Oct 2020 16:37

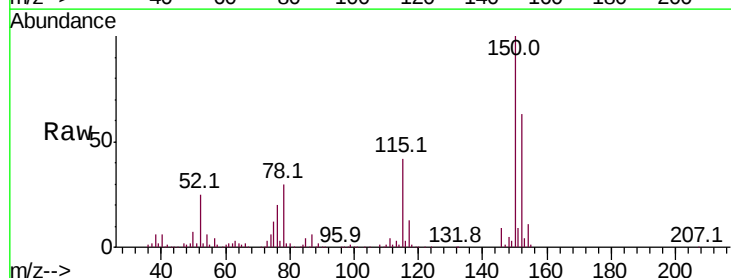
Tgt Ion:152 Resp: 166547

Ion Ratio Lower Upper

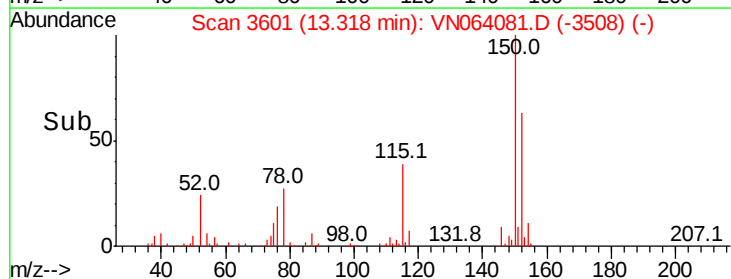
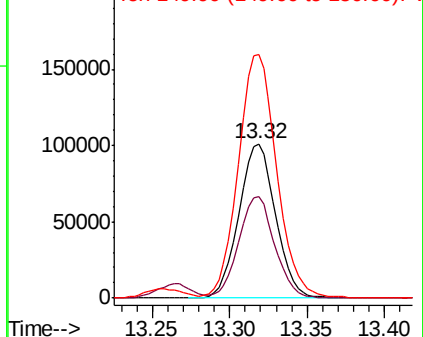
152 100

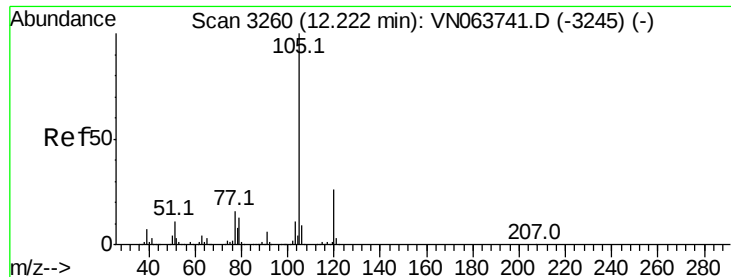
115 64.2 31.3 93.8

150 165.2 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: 18.962 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

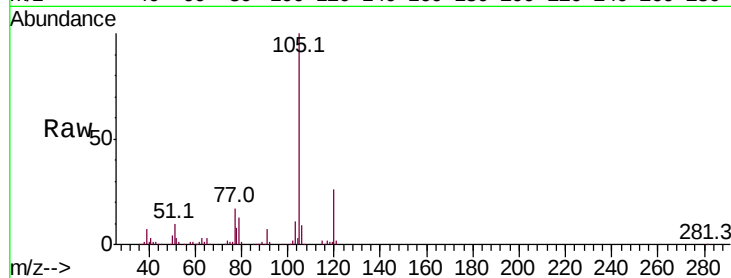
VN1012WBSD01

Tot Ion:105 Resp: 230347

Ion Ratio Lower Upper

105 100

120 24.9 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

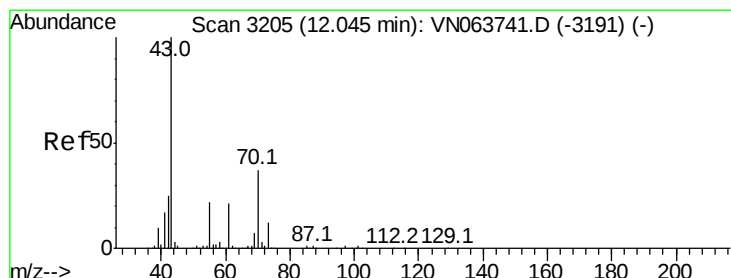
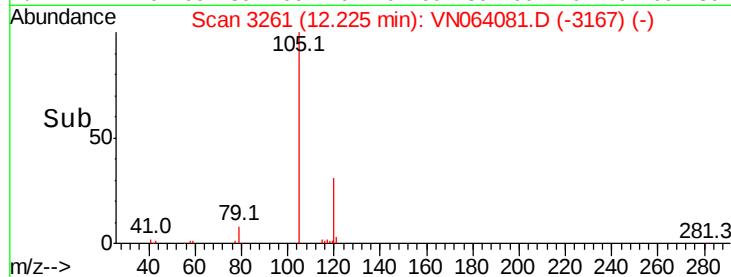
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.947 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Tgt Ion: 43 Resp: 110664

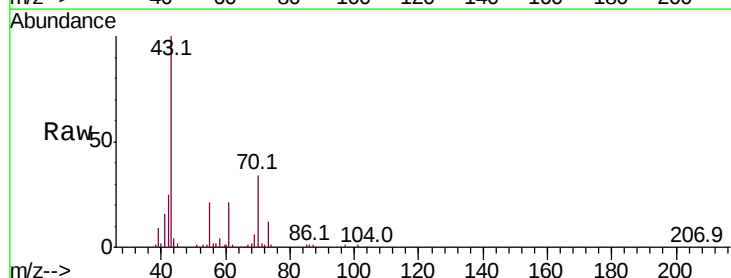
Ion Ratio Lower Upper

43 100

70 35.5 29.8 44.8

55 22.8 17.9 26.9

61 21.2 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.05

100000

80000

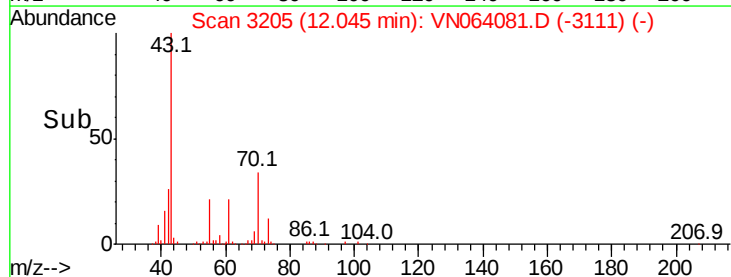
60000

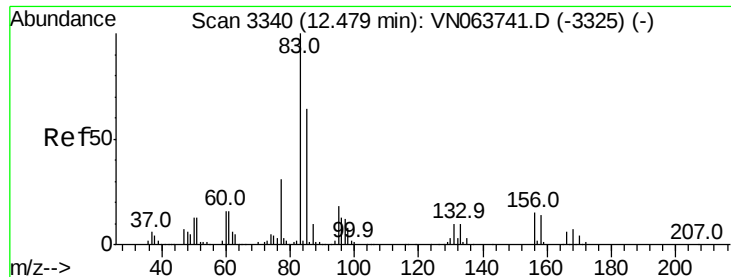
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.993 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

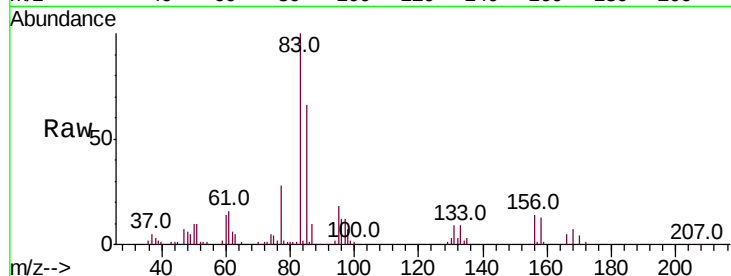
Tot Ion: 83 Resp: 81699

Ion Ratio Lower Upper

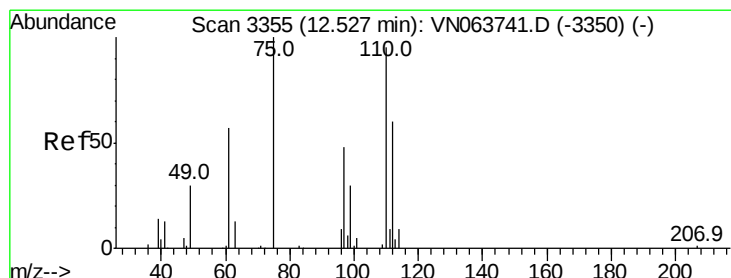
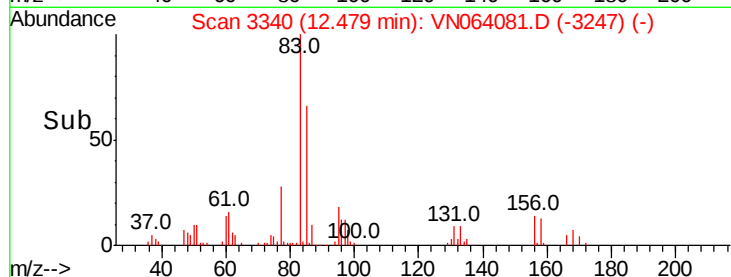
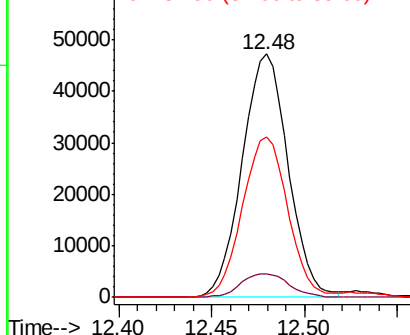
83 100

131 10.2 5.3 15.8

85 65.0 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.510 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064081.D

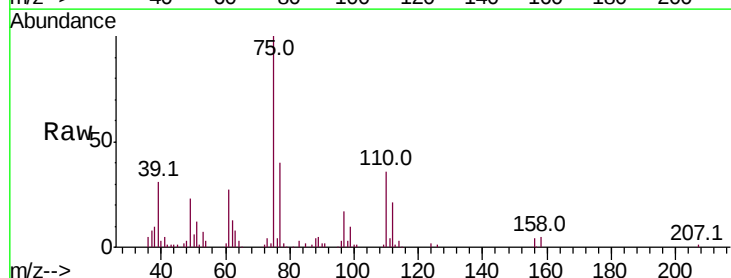
Acq: 12 Oct 2020 16:37

Tgt Ion: 75 Resp: 112013

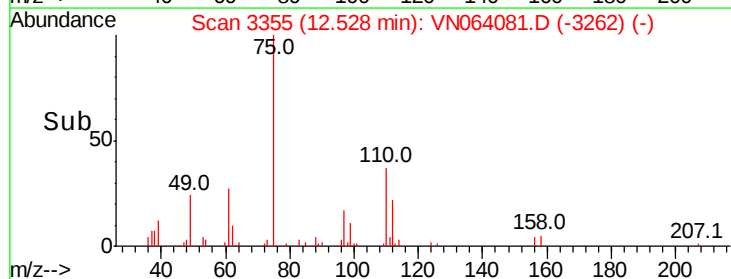
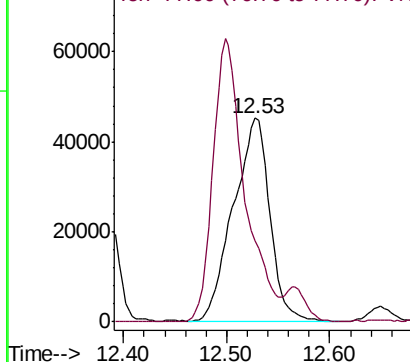
Ion Ratio Lower Upper

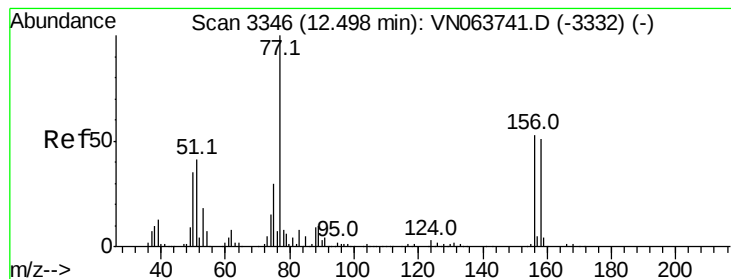
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.309 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

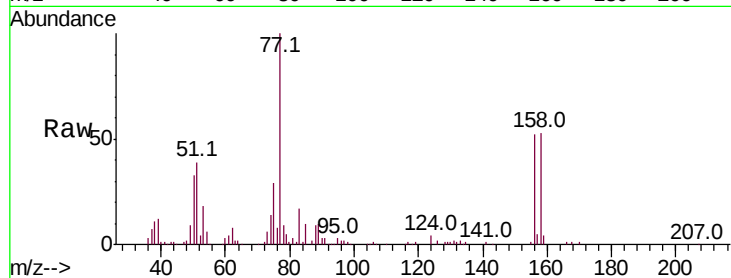
Tot Ion:156 Resp: 57555

Ion Ratio Lower Upper

156 100

77 234.9 110.9 332.7

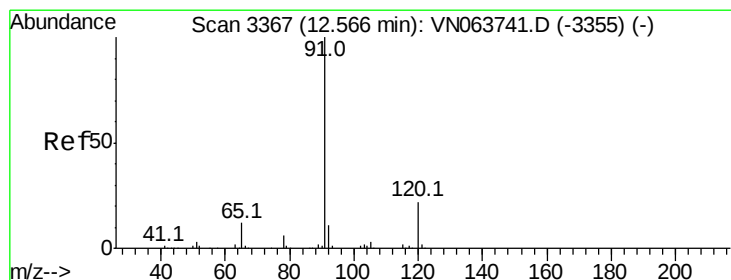
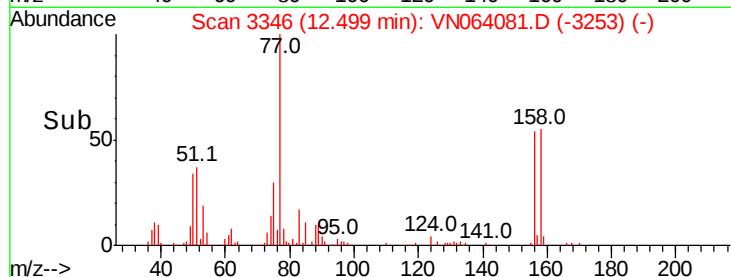
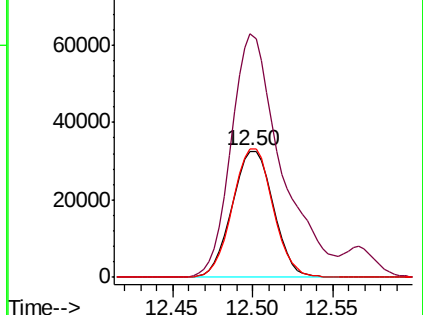
158 99.8 47.7 143.1



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: 18.806 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064081.D

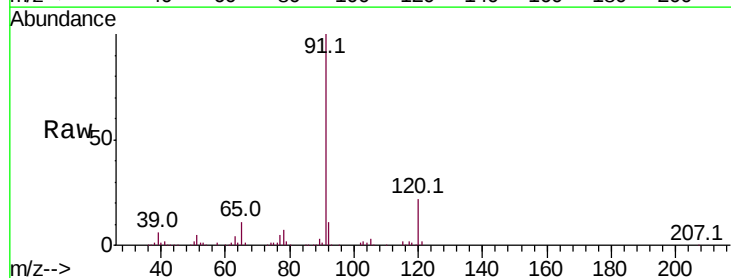
Acq: 12 Oct 2020 16:37

Tgt Ion: 91 Resp: 265870

Ion Ratio Lower Upper

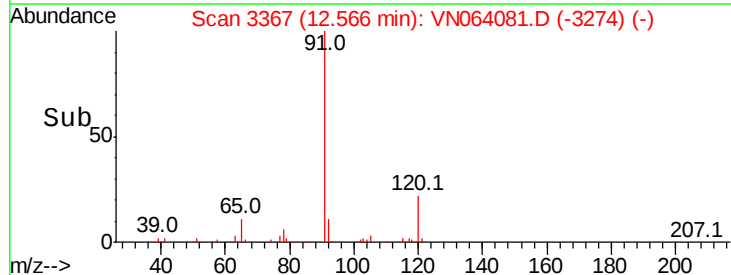
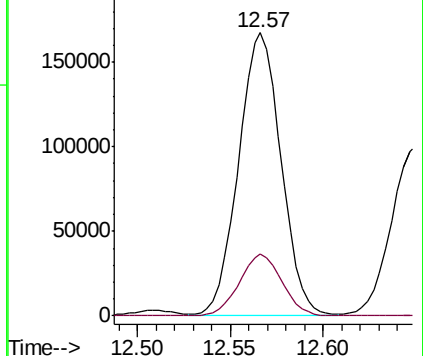
91 100

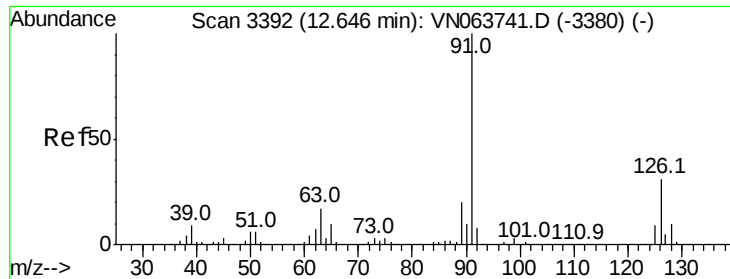
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.271 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

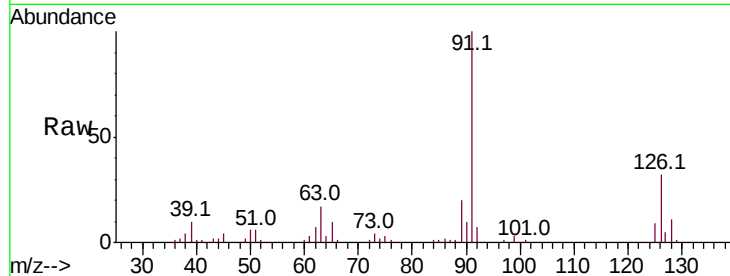
VN1012WBSD01

Tot Ion: 91 Resp: 167557

Ion Ratio Lower Upper

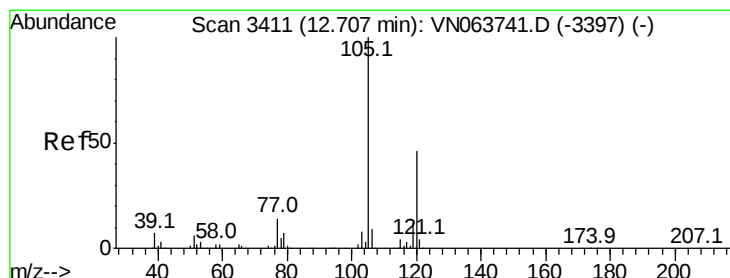
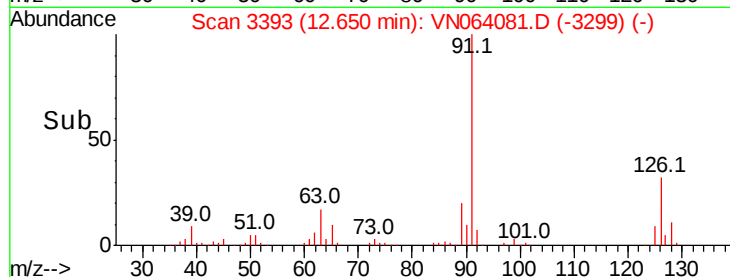
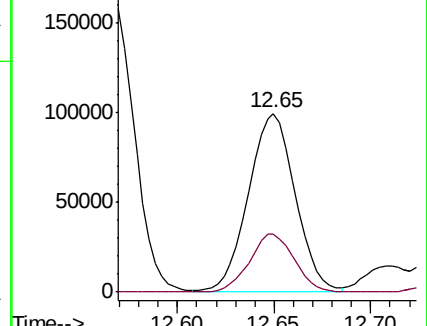
91 100

126 31.5 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN063741.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063741.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.731 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064081.D

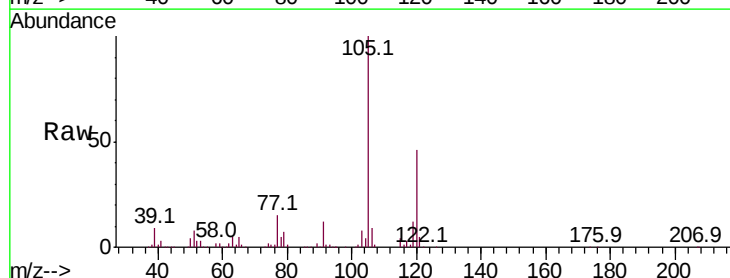
Acq: 12 Oct 2020 16:37

Tgt Ion:105 Resp: 190894

Ion Ratio Lower Upper

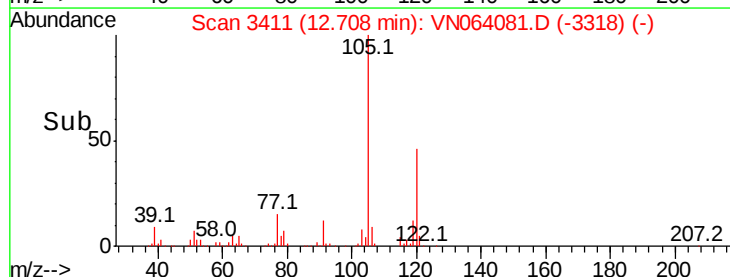
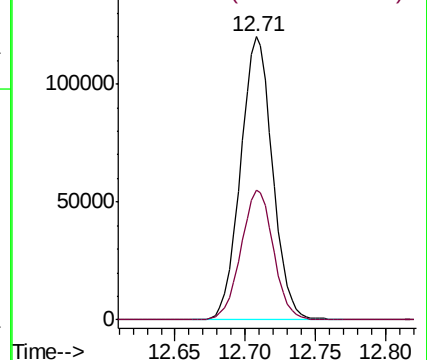
105 100

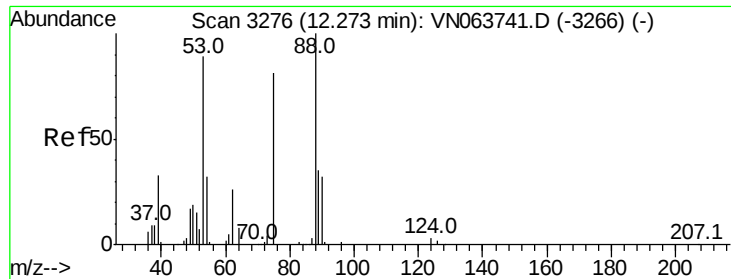
120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063741.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN063741.D (-3397) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.595 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

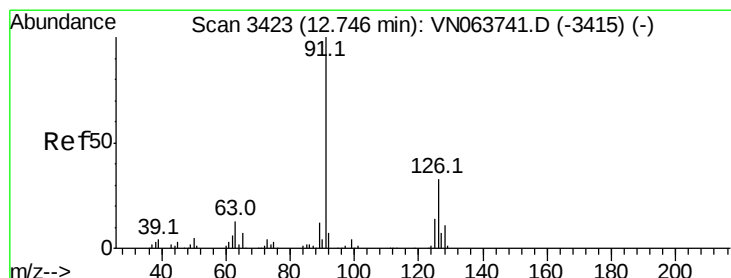
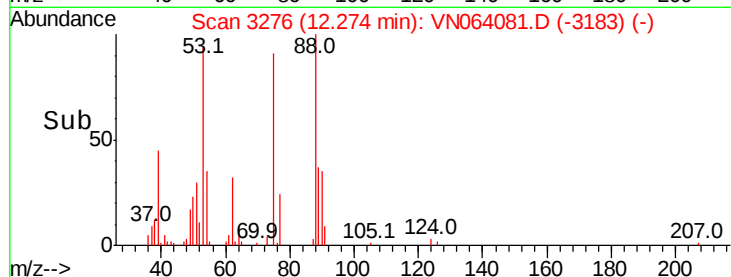
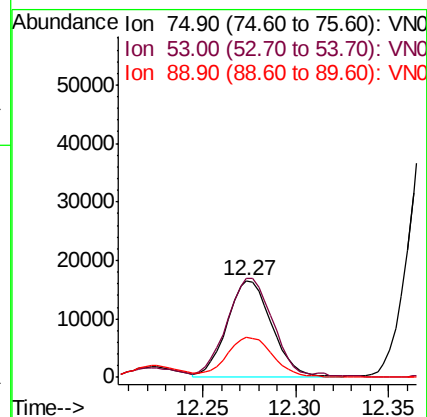
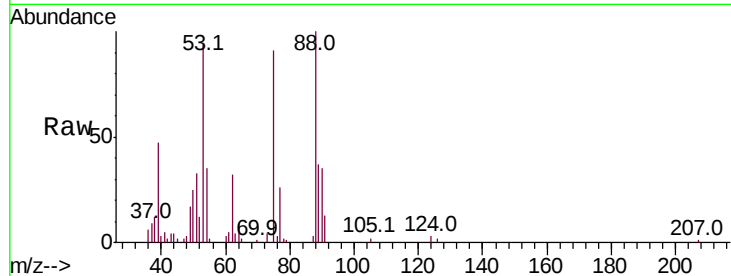
Tot Ion: 75 Resp: 27527

Ion Ratio Lower Upper

75 100

53 100.1 88.2 132.2

89 43.0 36.0 54.0



#82

4-Chlorotoluene

Concen: 19.242 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064081.D

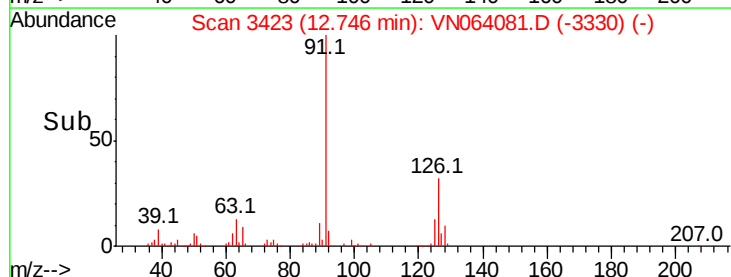
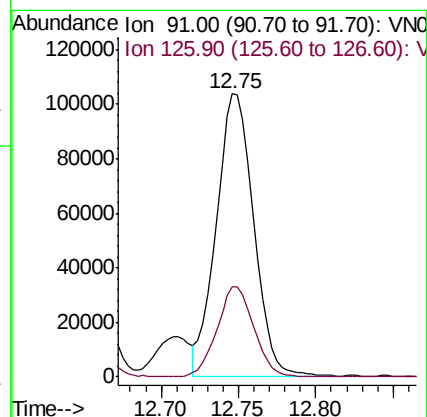
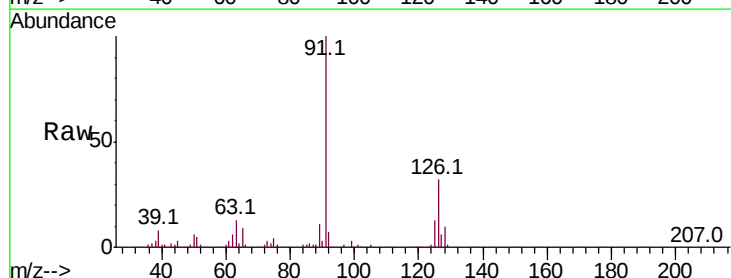
Acq: 12 Oct 2020 16:37

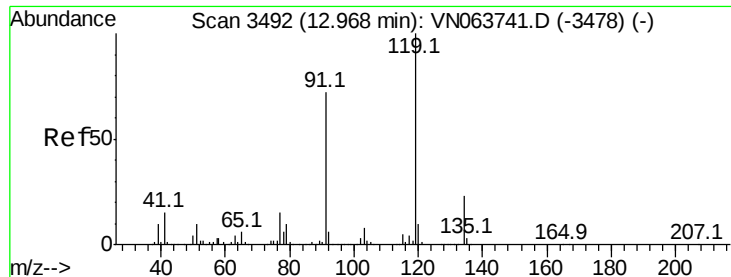
Tgt Ion: 91 Resp: 173687

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.2

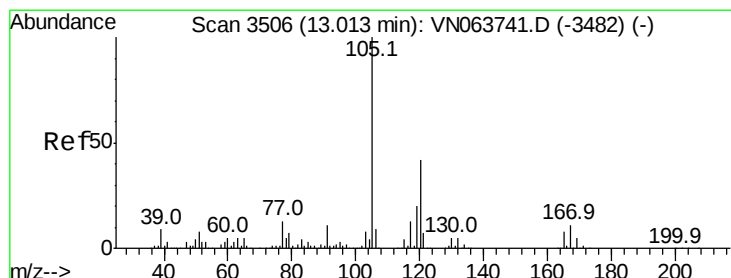
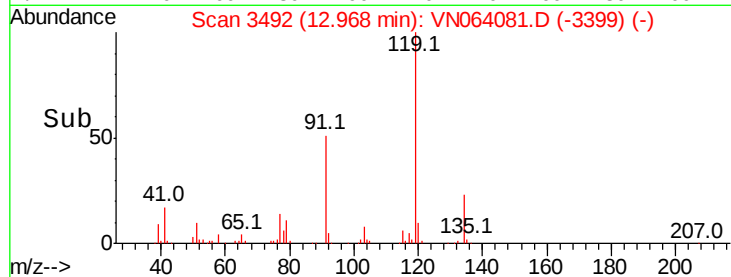
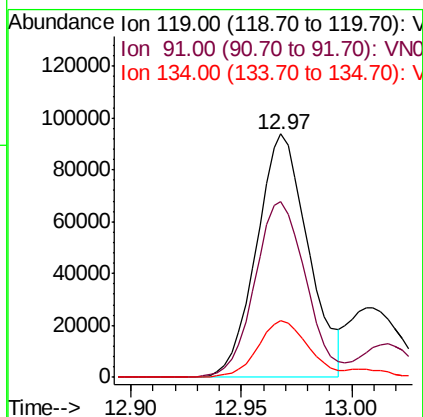
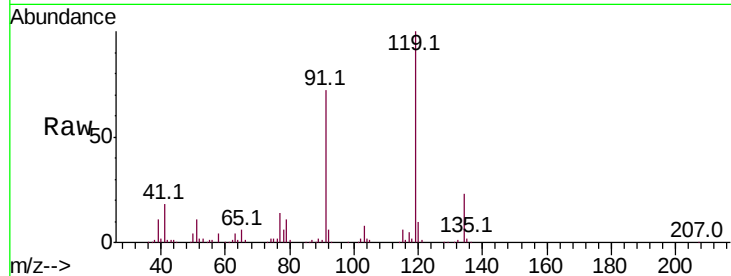




#83
 tert-Butylbenzene
 Concen: 18.282 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

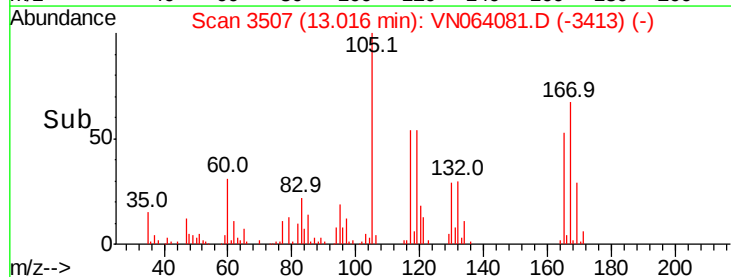
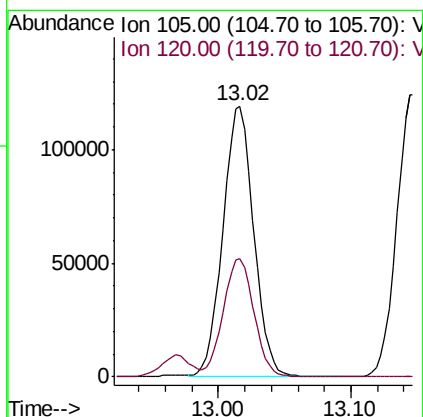
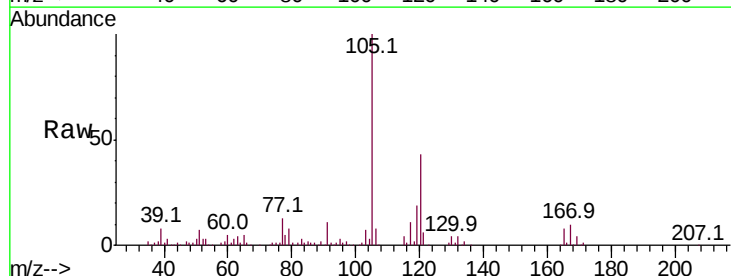
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1012WBSD01

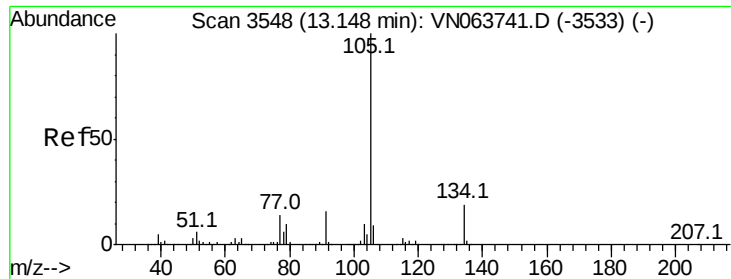
Tot Ion:119 Resp: 152406
 Ion Ratio Lower Upper
 119 100
 91 71.7 35.5 106.5
 134 23.0 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 18.920 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion:105 Resp: 192515
 Ion Ratio Lower Upper
 105 100
 120 42.9 20.9 62.7





#85

sec-Butylbenzene

Concen: 18.538 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampled :

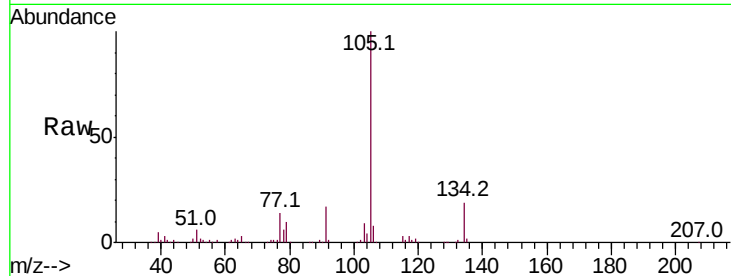
VN1012WBSD01

Tot Ion:105 Resp: 202982

Ion Ratio Lower Upper

105 100

134 18.0 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

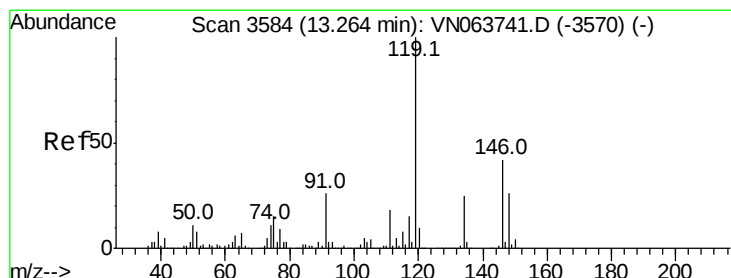
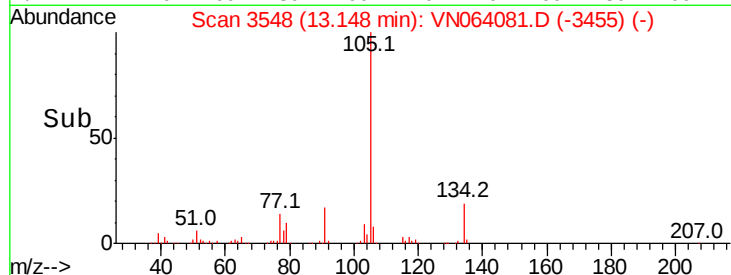
13.15

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 18.310 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

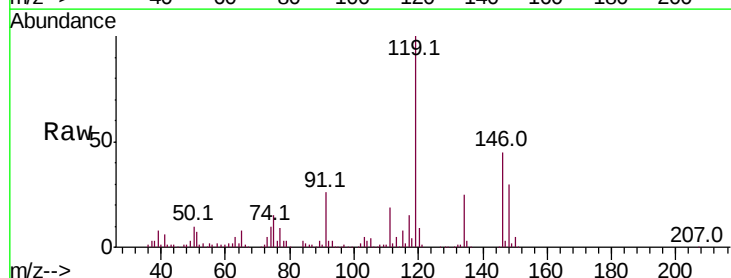
Tgt Ion:119 Resp: 177360

Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.8

91 25.9 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

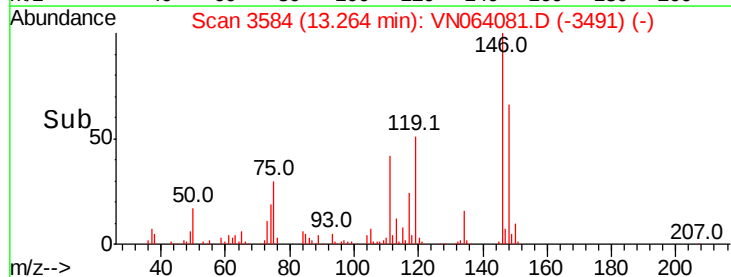
150000

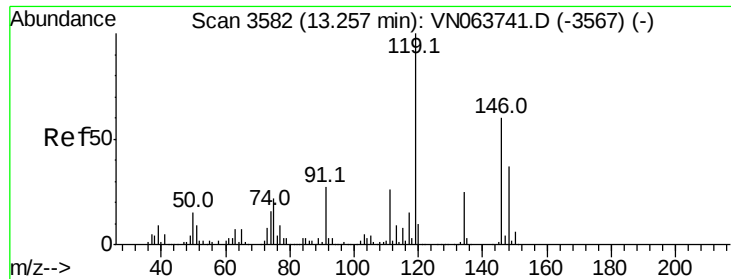
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

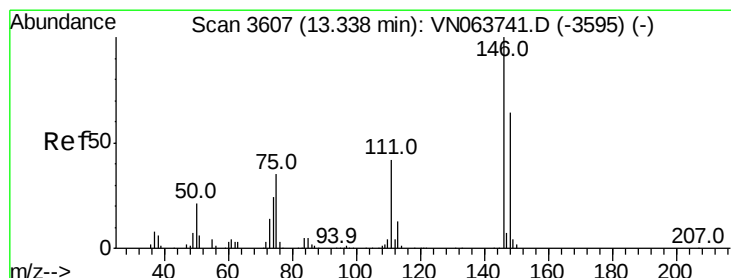
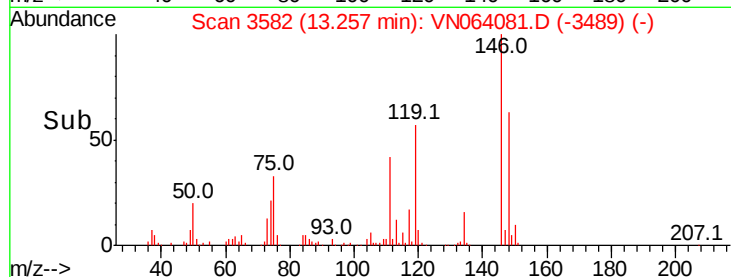
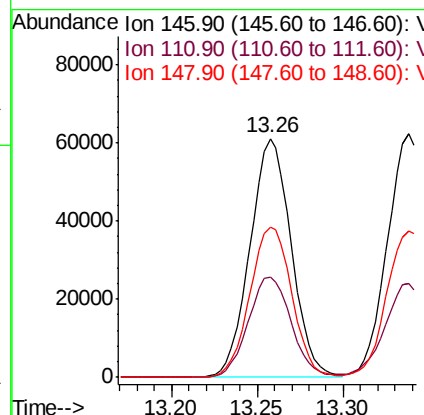
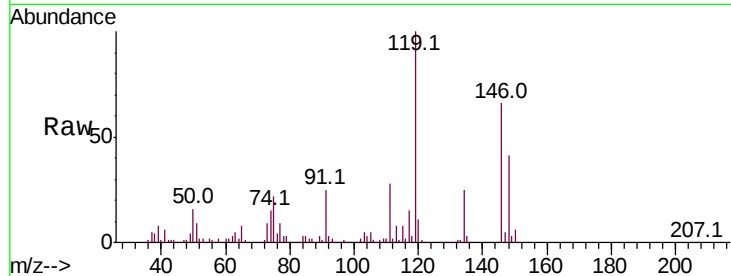




#87
 1,3-Dichlorobenzene
 Concen: 18.850 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

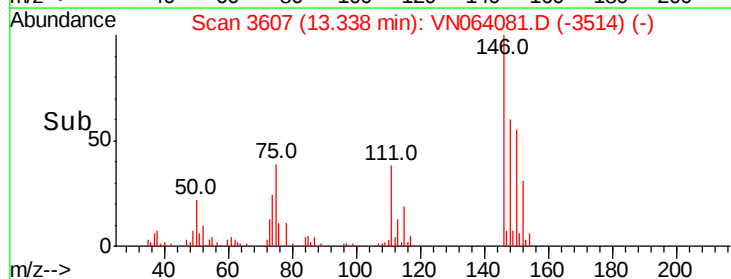
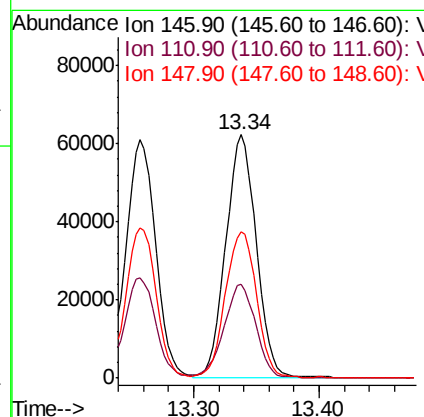
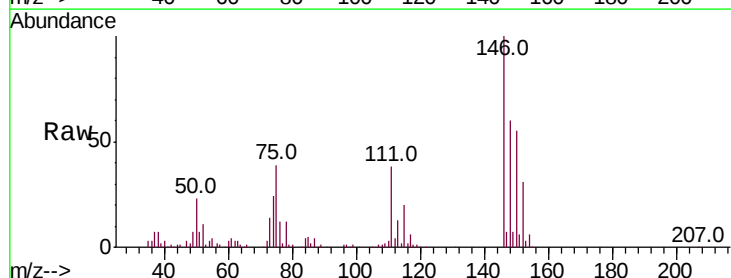
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

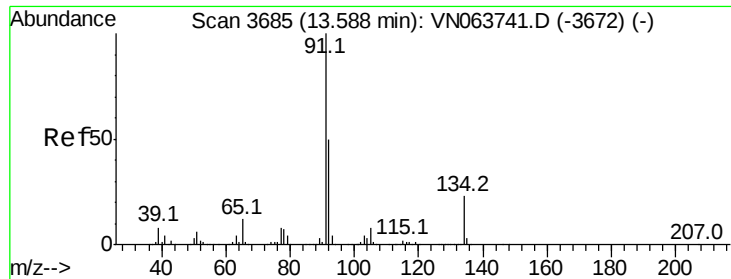
Tot Ion:146 Resp: 101652
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.5 64.5
 148 63.9 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 18.809 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion:146 Resp: 105610
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.3 63.7
 148 60.6 32.0 96.0

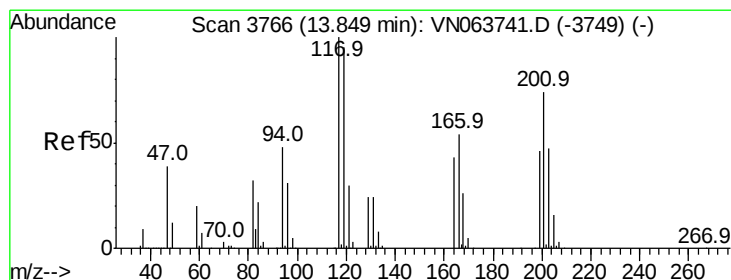
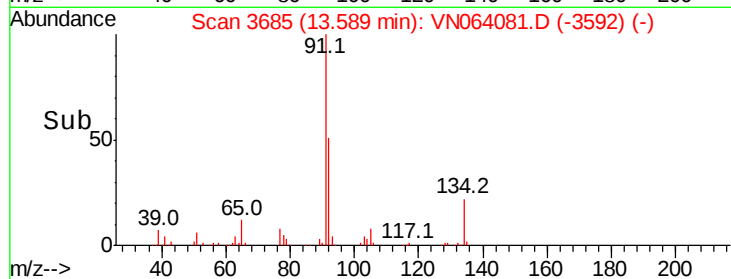
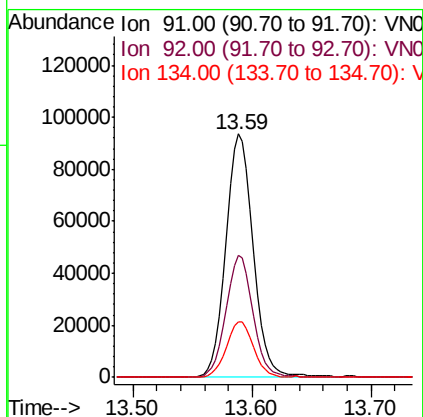
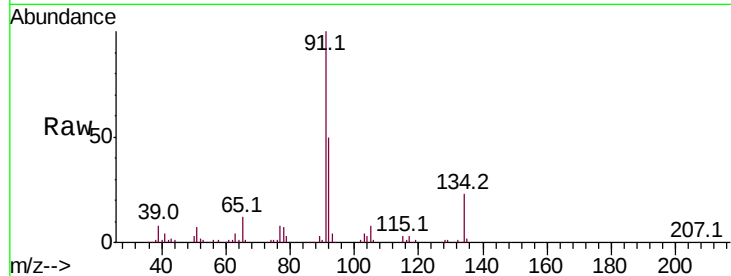




#89
n-Butylbenzene
Concen: 16.698 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

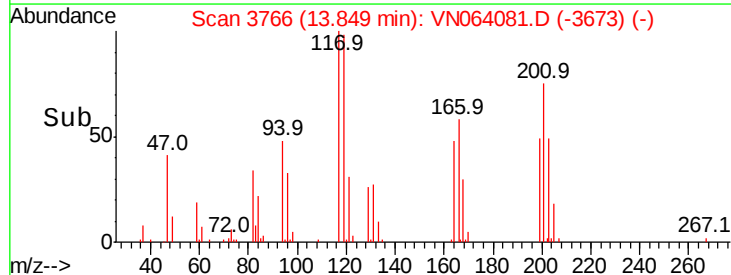
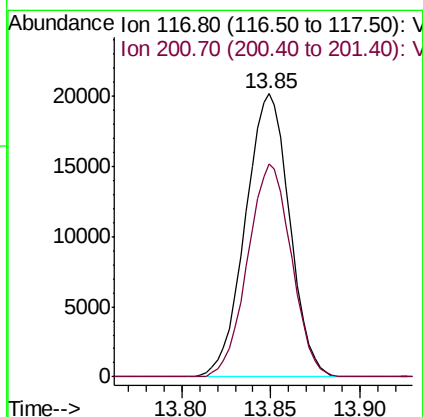
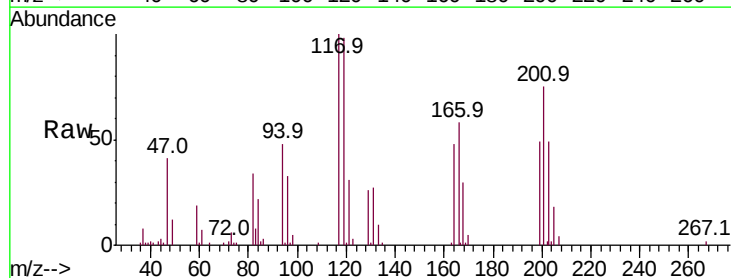
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBSD01

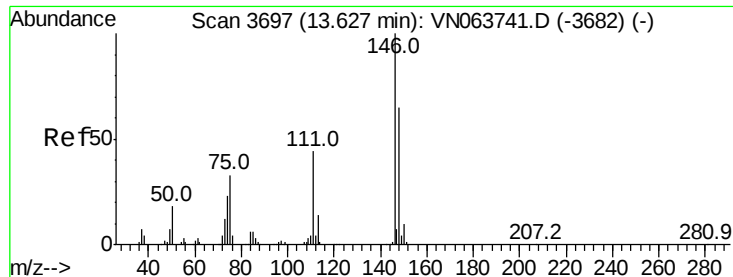
Tot Ion: 91 Resp: 149279
Ion Ratio Lower Upper
91 100
92 49.2 25.4 76.4
134 22.6 11.7 35.1



#90
Hexachloroethane
Concen: 18.659 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064081.D
Acq: 12 Oct 2020 16:37

Tgt Ion: 117 Resp: 35023
Ion Ratio Lower Upper
117 100
201 74.2 36.0 108.0





#91

1,2-Dichlorobenzene

Concen: 19.193 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

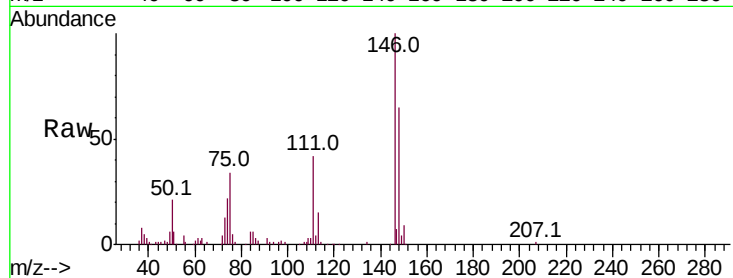
Tot Ion:146 Resp: 102515

Ion Ratio Lower Upper

146 100

111 41.7 22.2 66.6

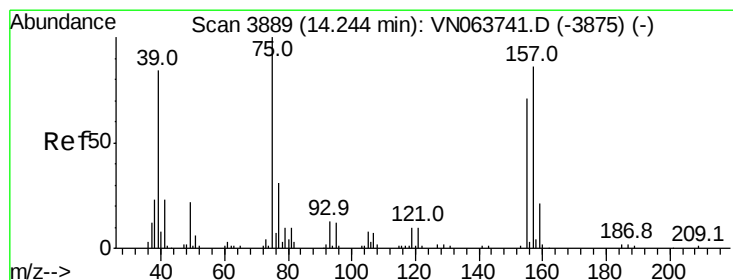
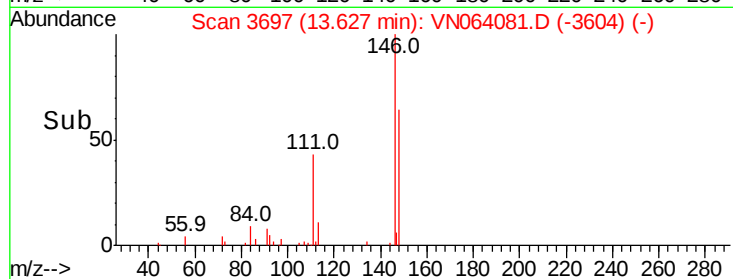
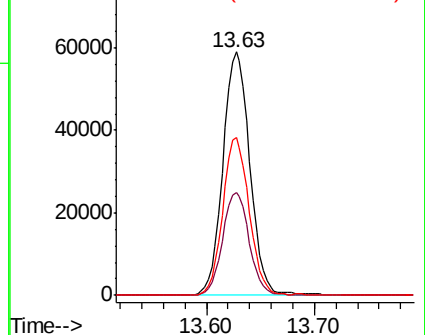
148 63.3 32.5 97.4



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: 20.105 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

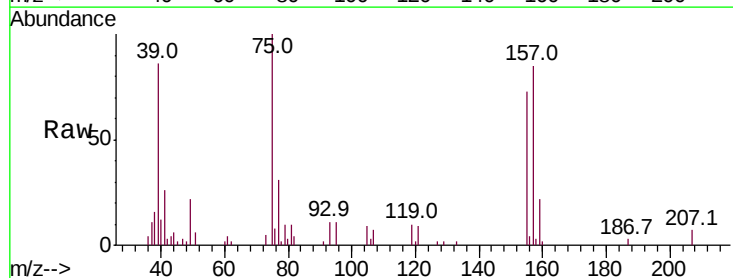
Tgt Ion: 75 Resp: 17515

Ion Ratio Lower Upper

75 100

155 66.4 34.8 104.5

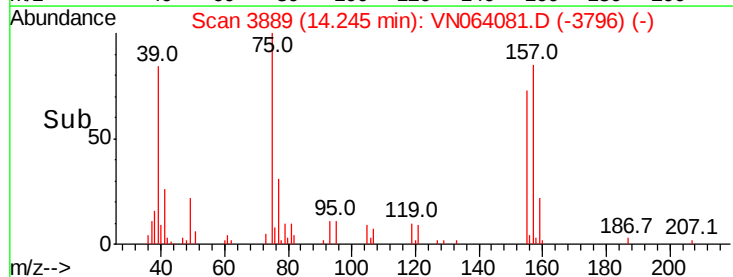
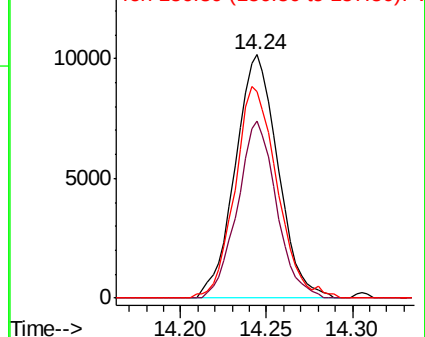
157 86.0 43.7 131.1

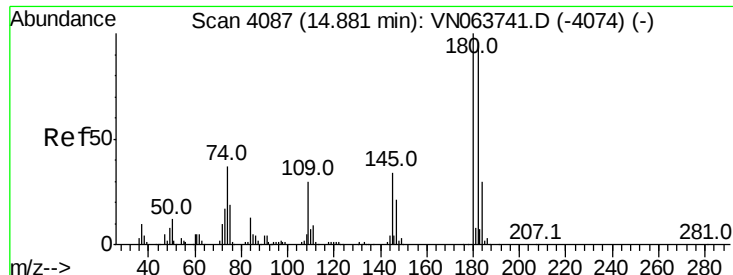


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

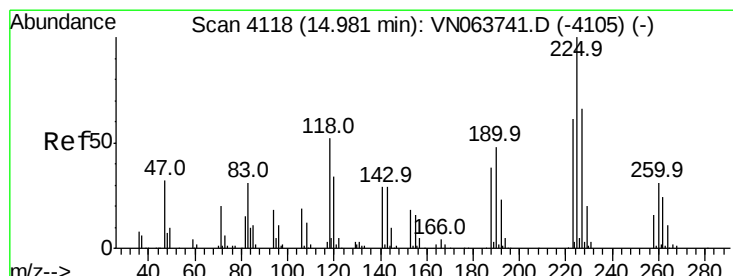
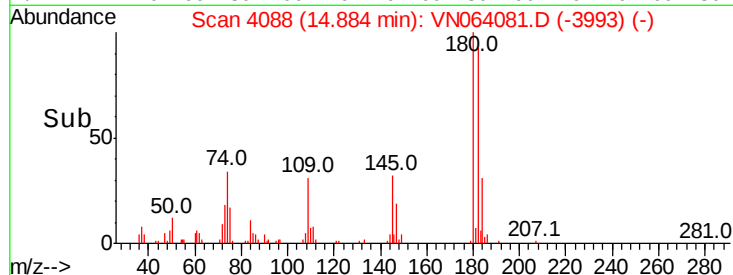
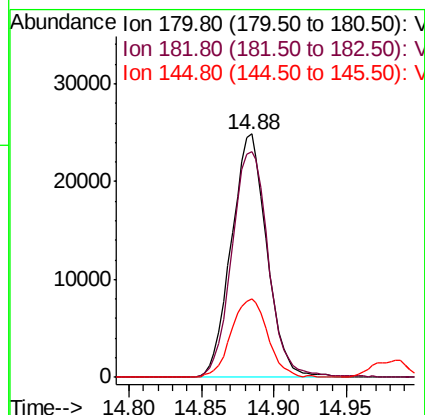
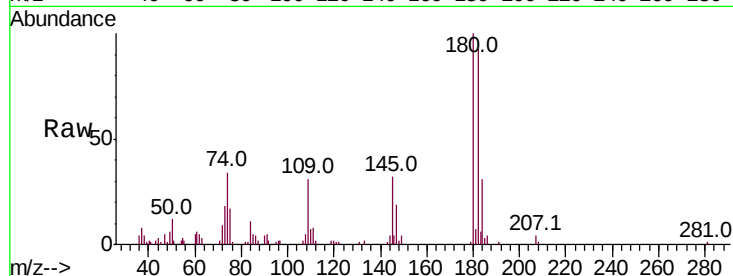




#93
 1,2,4-Trichlorobenzene
 Concen: 15.762 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

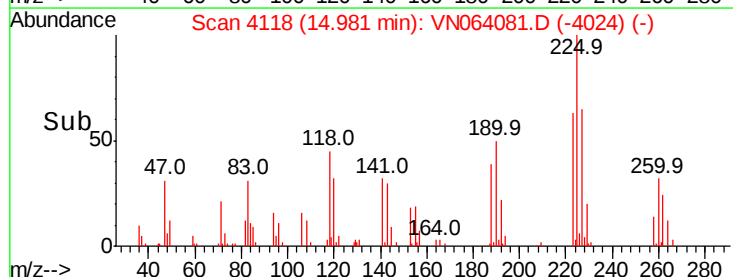
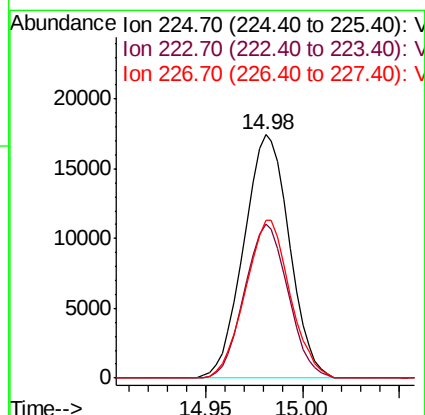
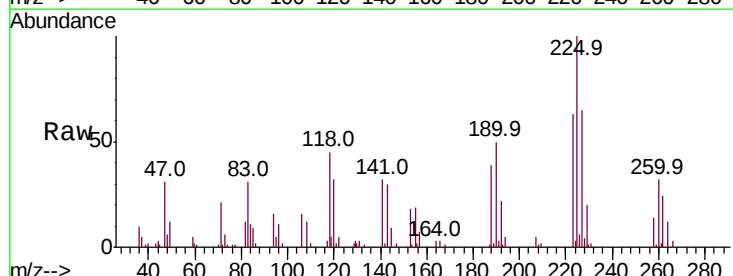
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBSD01

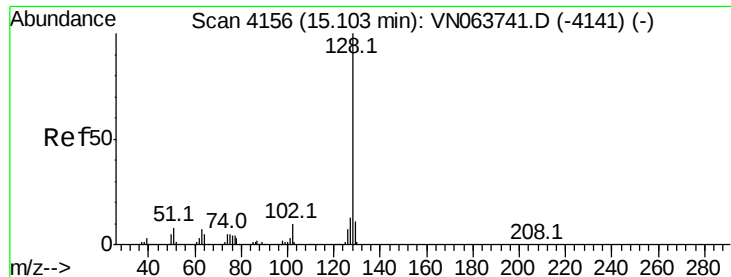
Tot Ion:180 Resp: 42201
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.2 144.6
 145 33.0 17.1 51.2



#94
 Hexachlorobutadiene
 Concen: 19.809 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064081.D
 Acq: 12 Oct 2020 16:37

Tgt Ion:225 Resp: 28629
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.3 91.0
 227 63.5 31.9 95.5





#95

Naphthalene

Concen: 15.415 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBSD01

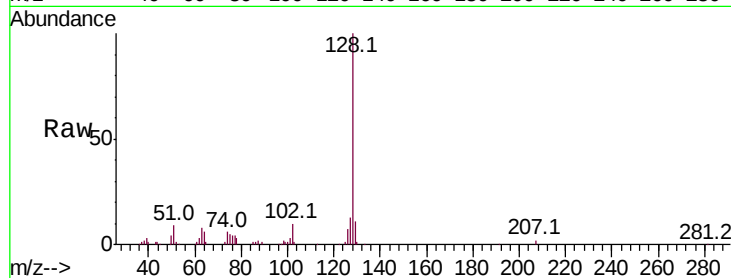
Tot Ion:128 Resp: 126086

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

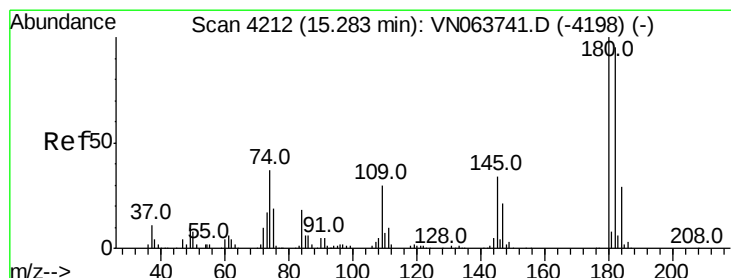
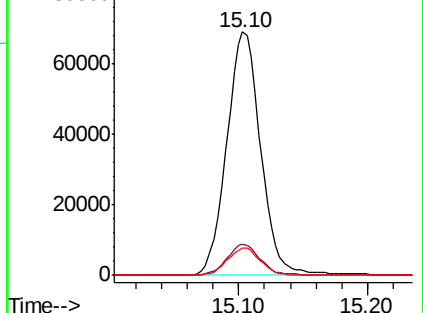
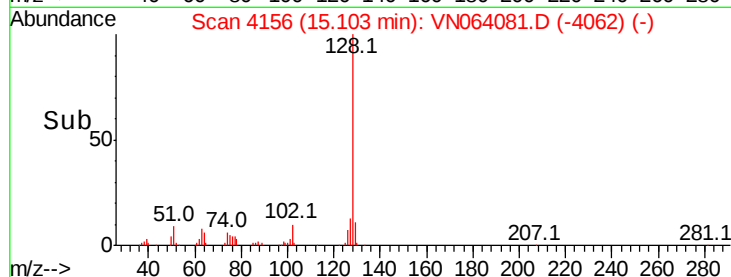
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.446 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064081.D

Acq: 12 Oct 2020 16:37

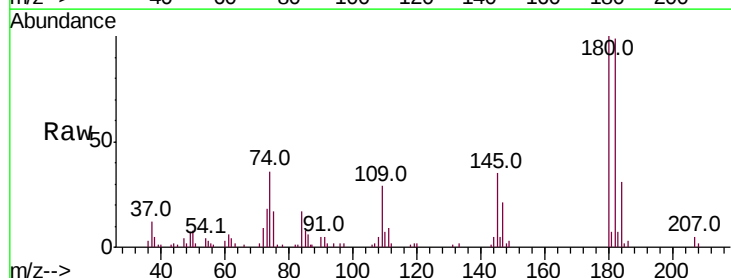
Tgt Ion:180 Resp: 43267

Ion Ratio Lower Upper

180 100

182 97.2 47.9 143.6

145 35.6 17.2 51.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

