

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063034.D
 Acq On : 20 Aug 2020 13:52
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Quant Time: Aug 21 05:40:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	29064	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	154053	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	145641	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.98	65	63105	30.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.13%
60) 4-Bromofluorobenzene	12.37	95	68895	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.06	98	201982	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	1.83	85	49639	23.888 ug/l	97
3) Chloromethane	2.03	50	52065	22.643 ug/l	99
4) Vinyl Chloride	2.16	62	52674	22.755 ug/l	100
5) Bromomethane	2.53	94	32096	22.494 ug/l	99
6) Chloroethane	2.67	64	30543	22.325 ug/l	98
7) Trichlorofluoromethane	2.98	101	62345	22.334 ug/l	100
8) Diethyl Ether	3.37	74	19669	21.186 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	32471	21.513 ug/l	99
10) 1,1-Dichloroethene	3.70	96	29148	21.491 ug/l	97
11) Methyl Iodide	3.91	142	37918	20.377 ug/l	97
12) Methyl Acetate	4.28	43	37043	20.490 ug/l	99
13) Acrolein	3.56	56	15016	81.043 ug/l	97
14) Acrylonitrile	4.93	53	80993	102.316 ug/l	97
15) Acetone	3.78	58	25576	111.635 ug/l	94
16) Carbon Disulfide	4.01	76	79994	21.970 ug/l	98
17) Allyl chloride	4.27	41	52932	21.269 ug/l	93
18) Methylene Chloride	4.50	84	39600	20.868 ug/l	96
19) trans-1,2-Dichloroethene	4.99	96	31829	21.342 ug/l	94
20) Diisopropyl ether	5.90	45	128871	22.109 ug/l	97
21) 1,1-Dichloroethane	5.79	63	68167	21.309 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	38814	21.001 ug/l	98
23) tert-Butyl Alcohol	4.73	59	26584	102.507 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	105170	21.137 ug/l	99
25) Chloroform	7.33	83	69206	21.723 ug/l	100
26) Cyclohexane	7.61	56	59172	21.487 ug/l	# 99
29) 1,1-Dichloropropene	7.75	75	47316	21.150 ug/l	98
30) 2-Butanone	6.78	43	106104	101.754 ug/l	100
31) 2,2-Dichloropropane	6.77	77	57250	21.053 ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	56583	20.999 ug/l	99
33) Carbon Tetrachloride	7.73	117	47249	20.592 ug/l	96
34) Benzene	8.00	78	149971	20.918 ug/l	98
35) Methacrylonitrile	7.13	41	20377	20.561 ug/l	96
36) 1,2-Dichloroethane	8.08	62	50417	20.613 ug/l	99
37) Trichloroethene	8.80	130	36808	20.964 ug/l	100
38) Methylcyclohexane	9.05	83	58069	20.694 ug/l	99
39) 1,2-Dichloropropane	9.08	63	42717	20.472 ug/l	98
40) Dibromomethane	9.17	93	25580	21.115 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	55719	20.755	ug/l	96
42) Vinyl Acetate	5.84	43	384576	97.356	ug/l	100
43) Ethyl Acetate	6.88	43	38694	19.441	ug/l	99
44) Isopropyl Acetate	8.12	43	66885	20.018	ug/l	98
45) 1,4-Dioxane	9.17	88	12821	409.704	ug/l	97
46) Methyl methacrylate	9.17	41	32059	19.488	ug/l	93
47) n-amyl Acetate	12.05	43	55612	18.753	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	56481	19.920	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	63748	20.656	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	37730	20.199	ug/l	96
51) Ethyl methacrylate	10.40	69	48725	19.173	ug/l	98
52) 1,3-Dichloropropane	10.68	76	62953	20.399	ug/l	100
53) Dibromochloromethane	10.87	129	42103	20.540	ug/l	98
54) 1,2-Dibromoethane	10.98	107	37272	20.800	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	49874	95.542	ug/l	99
56) Bromoform	12.10	173	29573	19.702	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	211607	101.000	ug/l	100
59) 2-Hexanone	10.72	43	149248	99.861	ug/l	99
61) Tetrachloroethene	10.60	164	32762	20.520	ug/l	96
62) Toluene	10.12	91	161451	20.917	ug/l	100
64) Chlorobenzene	11.40	112	100205	20.980	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	38831	20.513	ug/l	99
66) Ethyl Benzene	11.48	91	171579	20.392	ug/l	98
67) m/p-Xylenes	11.60	106	132727	42.108	ug/l	99
68) o-Xylene	11.92	106	61308	20.248	ug/l	99
69) Styrene	11.94	104	108016	20.422	ug/l	100
70) Isopropylbenzene	12.22	105	174144	21.142	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	54043	20.460	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	63903	27.265	ug/l	64
73) Bromobenzene	12.50	156	45057	20.285	ug/l	99
74) n-propylbenzene	12.56	91	205517	20.800	ug/l	99
75) 2-Chlorotoluene	12.65	91	121668	20.661	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	145327	20.675	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	16092	19.426	ug/l	95
78) 4-Chlorotoluene	12.75	91	123508	20.343	ug/l	99
79) tert-butylbenzene	12.97	119	119433	20.193	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	142023	20.756	ug/l	99
81) sec-Butylbenzene	13.15	105	167132	20.514	ug/l	100
82) p-Isopropyltoluene	13.26	119	145082	20.087	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	78641	20.277	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	74567	19.672	ug/l	99
85) n-Butylbenzene	13.59	91	114449	19.067	ug/l	100
86) Hexachloroethane	13.85	117	28798	20.244	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	75032	20.201	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	7847	18.729	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	33373	18.206	ug/l	97
90) Hexachlorobutadiene	14.98	225	28154	20.751	ug/l	99
91) Naphthalene	15.10	128	65721	16.226	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	33196	18.140	ug/l	98

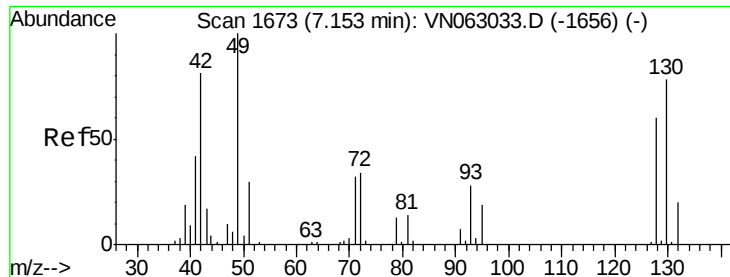
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

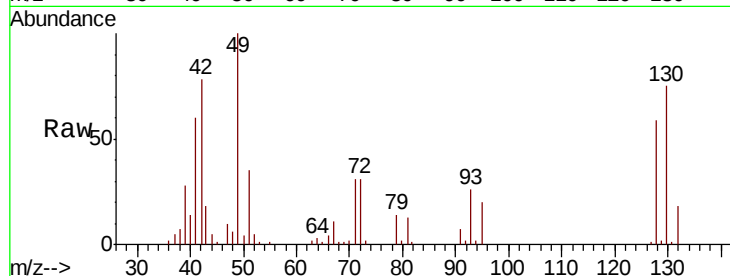
Tot Ion:128 Resp: 29064

Ion Ratio Lower Upper

128 100

49 176.1 0.0 437.5

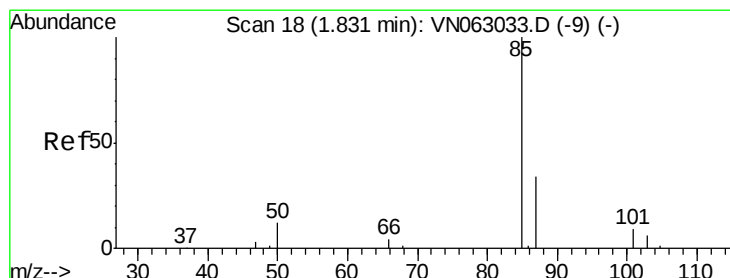
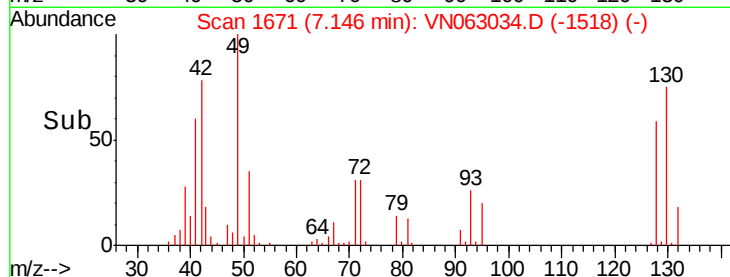
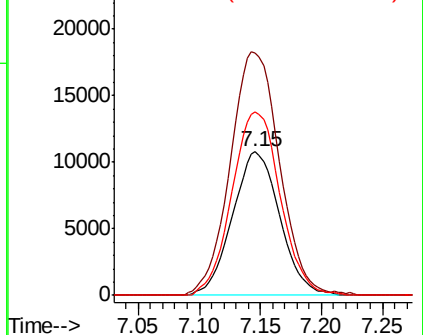
130 130.5 0.0 327.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 23.888 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN063034.D

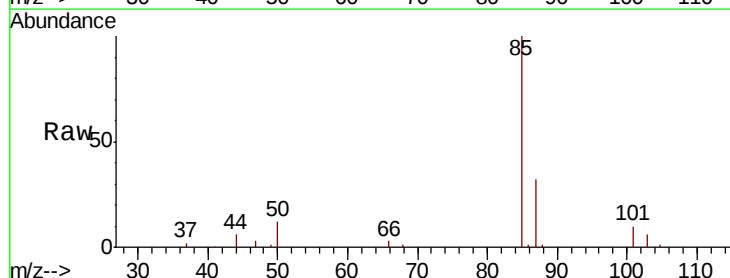
Acq: 20 Aug 2020 13:52

Tgt Ion: 85 Resp: 49639

Ion Ratio Lower Upper

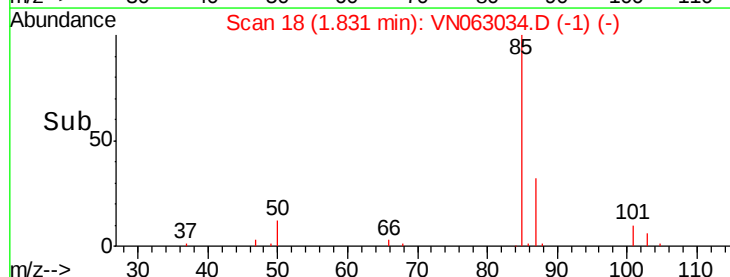
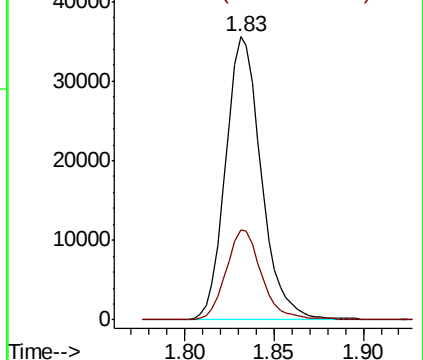
85 100

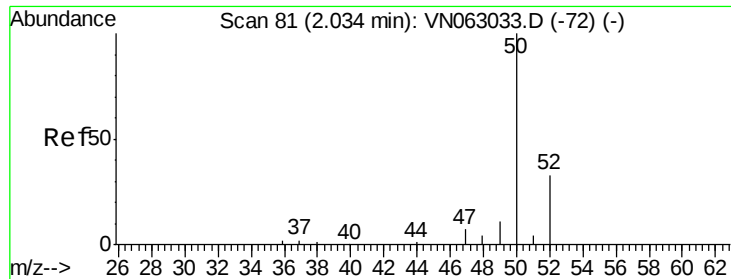
87 31.9 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 22.643 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

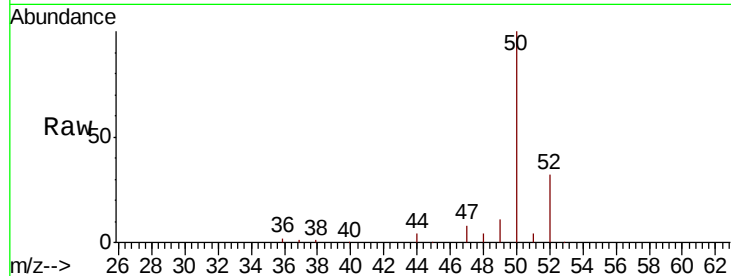
ICVFN082020

Tot Ion: 50 Resp: 52065

Ion Ratio Lower Upper

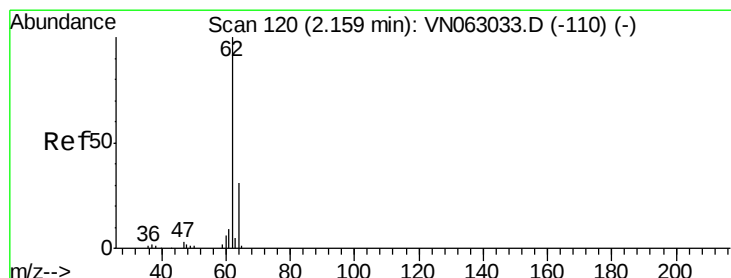
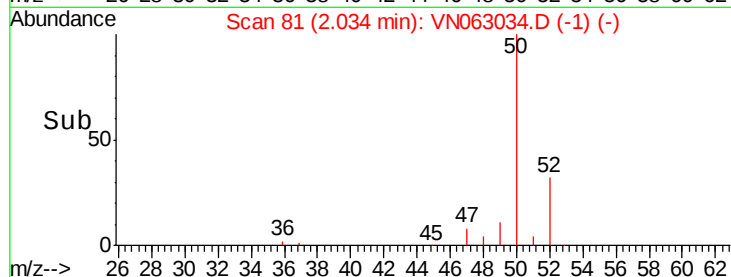
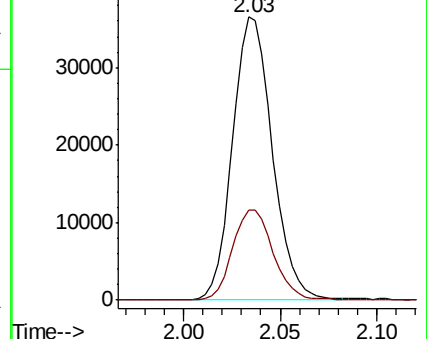
50 100

52 31.7 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 22.755 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN063034.D

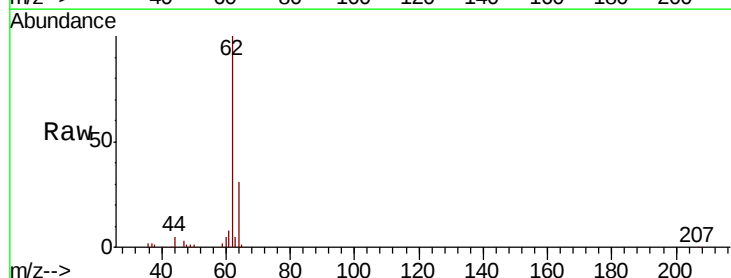
Acq: 20 Aug 2020 13:52

Tgt Ion: 62 Resp: 52674

Ion Ratio Lower Upper

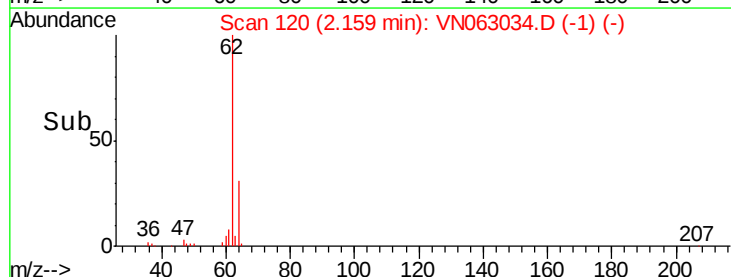
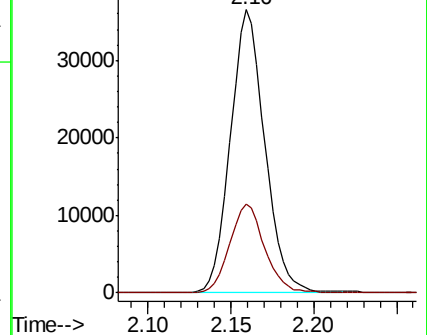
62 100

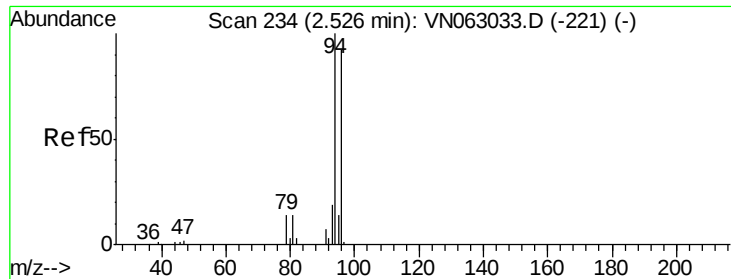
64 31.4 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

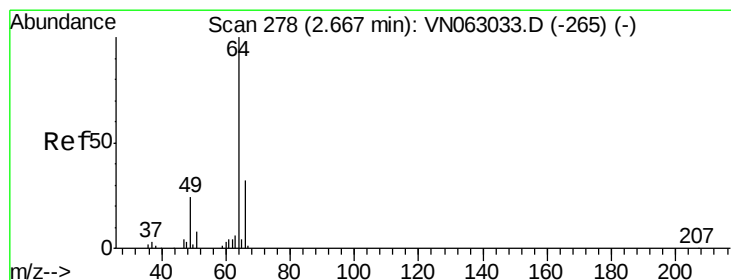
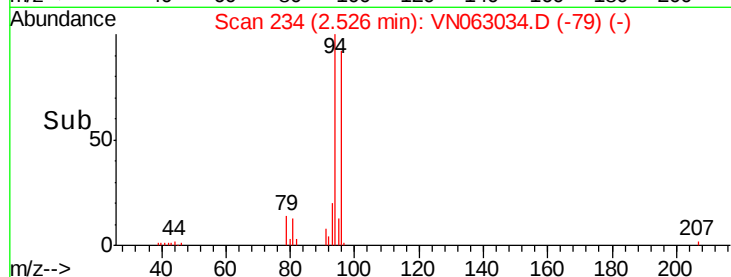
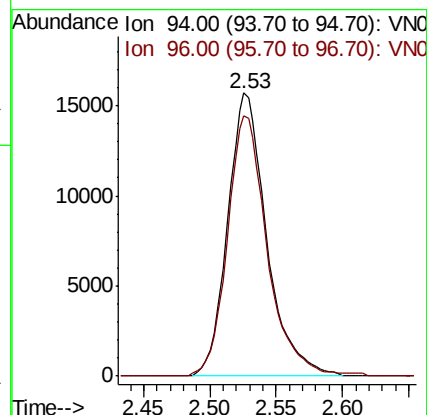
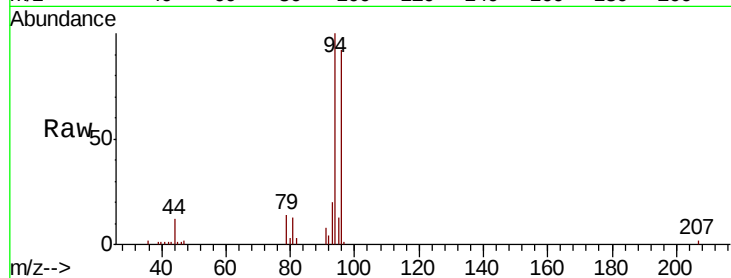




#5
Bromomethane
Concen: 22.494 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

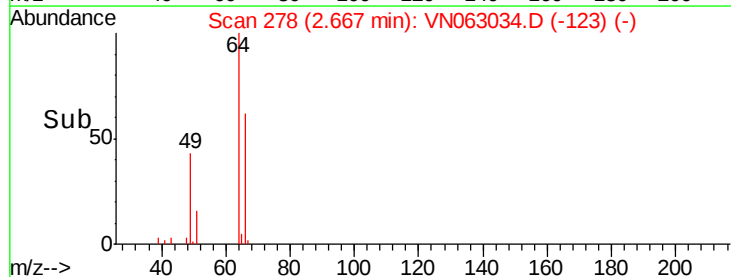
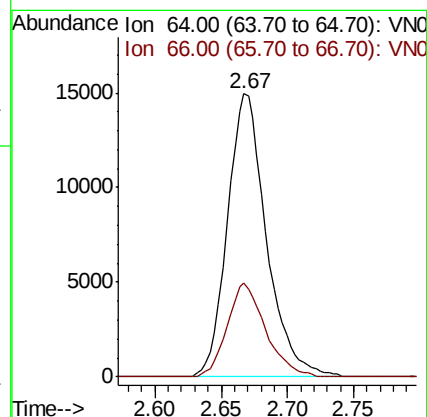
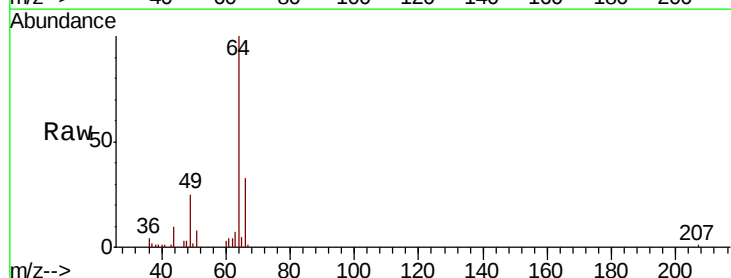
Instrument :
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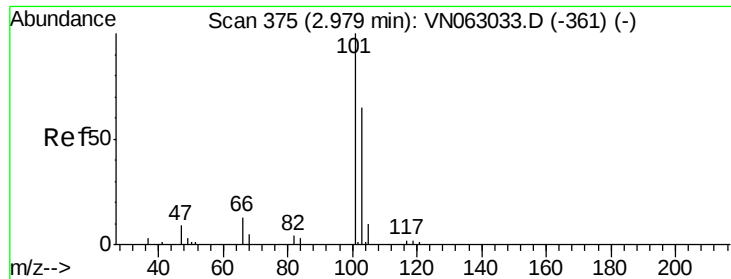
Tot Ion: 94 Resp: 32096
Ion Ratio Lower Upper
94 100
96 91.1 74.0 111.0



#6
Chloroethane
Concen: 22.325 ug/l
RT: 2.67 min Scan# 278
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 64 Resp: 30543
Ion Ratio Lower Upper
64 100
66 33.2 25.8 38.8



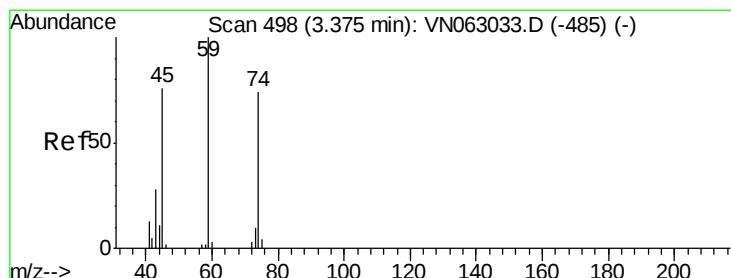
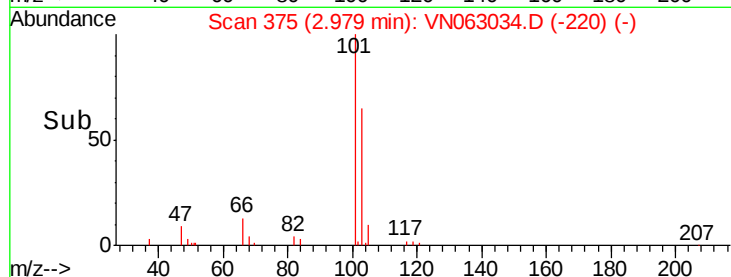
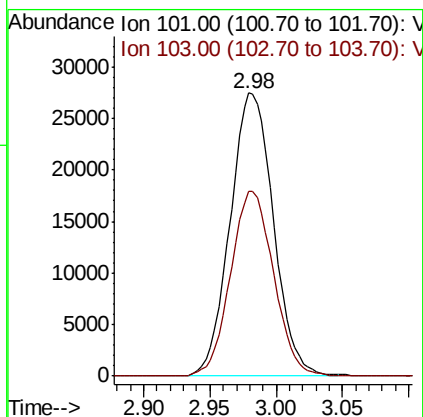
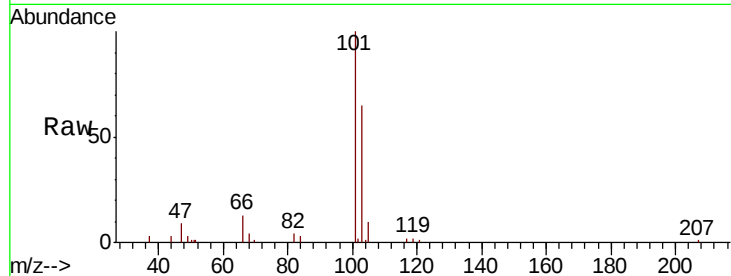


#7

Trichlorofluoromethane
 Concen: 22.334 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
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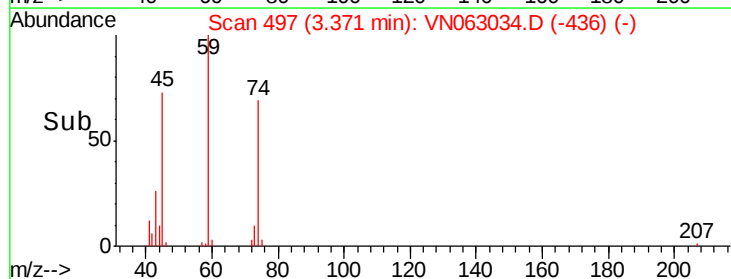
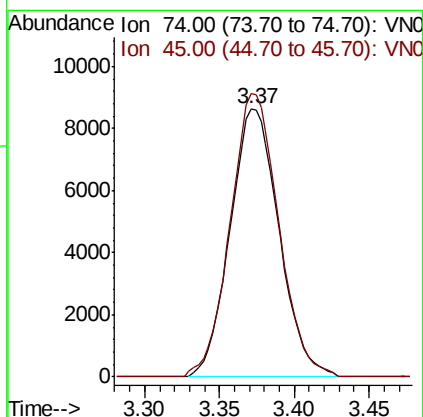
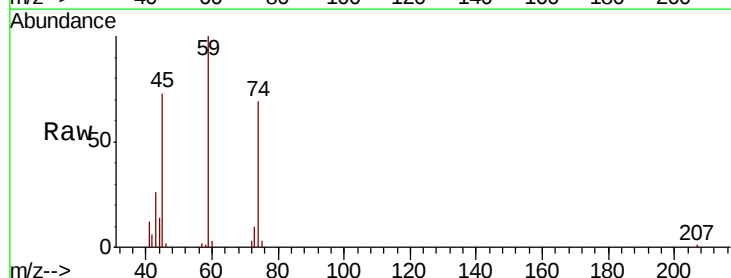
Tot Ion:101 Resp: 62345
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.9 77.9

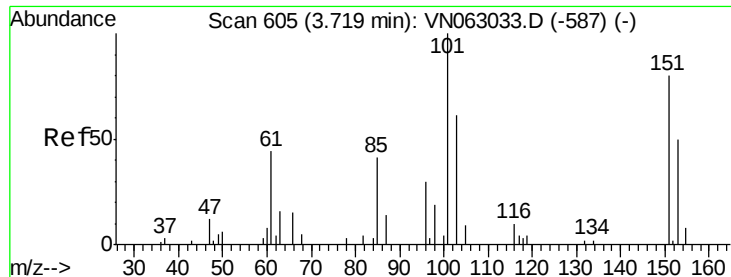


#8

Diethyl Ether
 Concen: 21.186 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 74 Resp: 19669
 Ion Ratio Lower Upper
 74 100
 45 104.6 20.6 185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.513 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

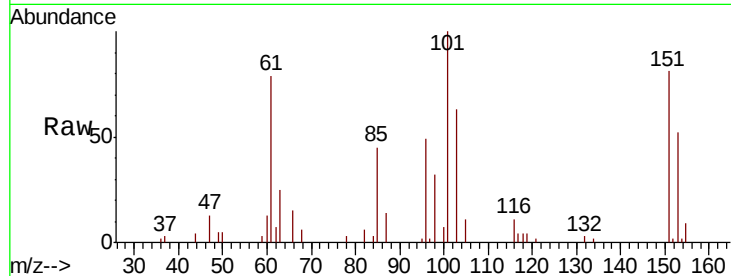
Tot Ion:101 Resp: 32471

Ion Ratio Lower Upper

101 100

85 43.9 0.0 85.0

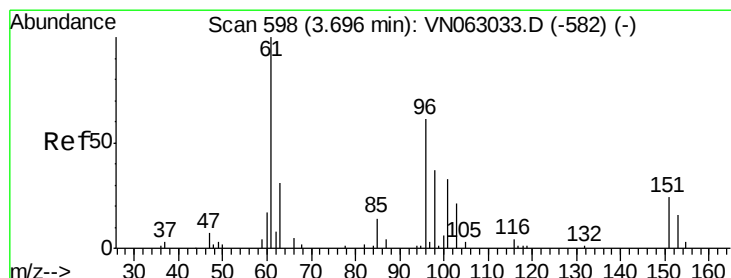
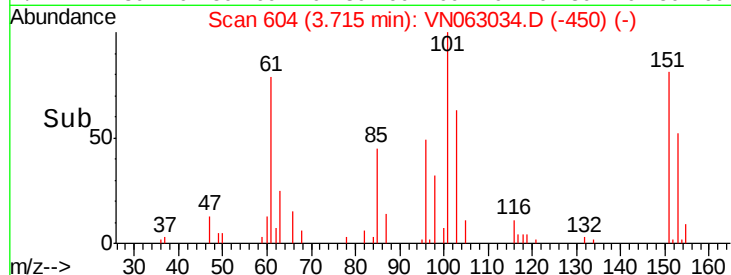
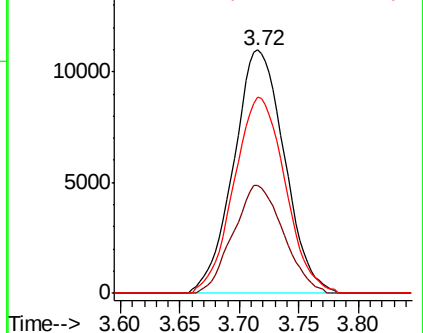
151 81.2 0.0 161.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.491 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

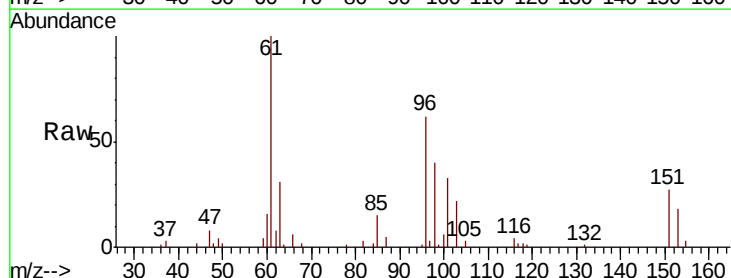
Tgt Ion: 96 Resp: 29148

Ion Ratio Lower Upper

96 100

61 159.7 130.8 196.2

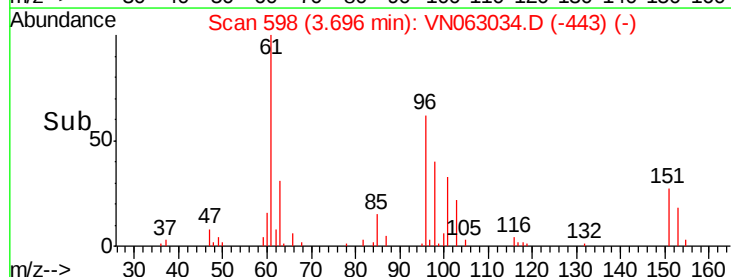
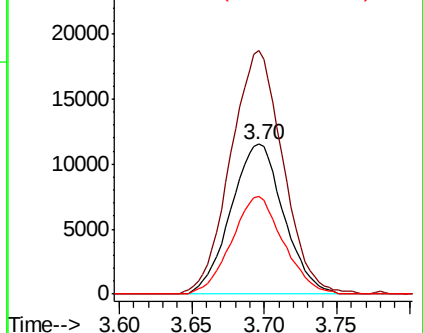
98 65.0 49.0 73.4

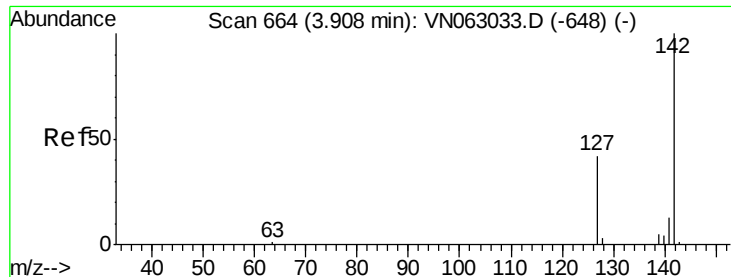


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

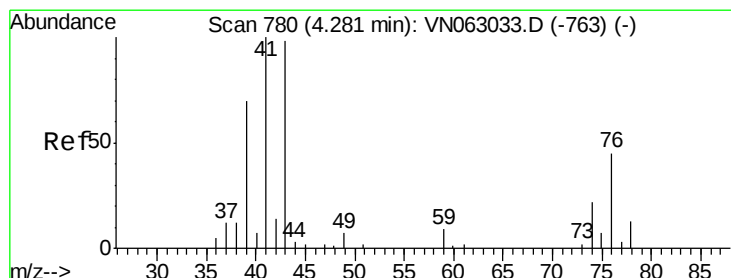
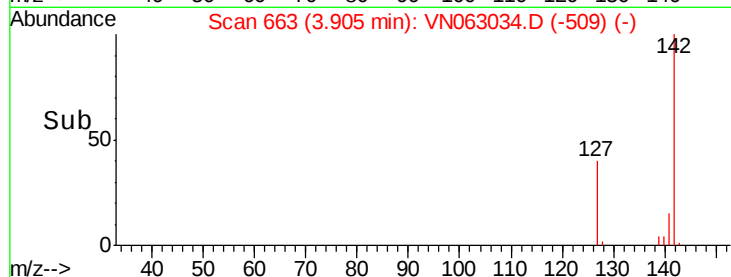
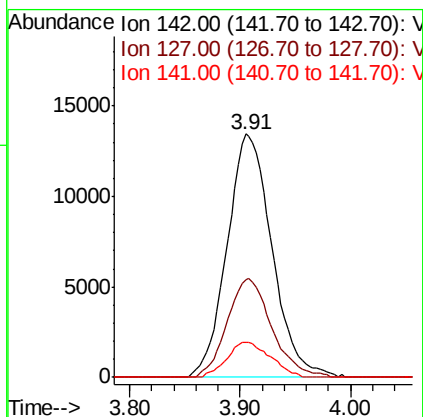
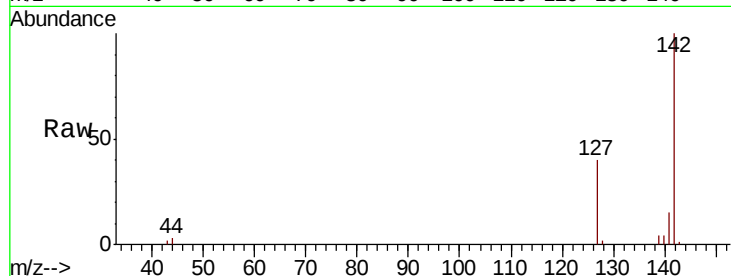




#11
Methyl Iodide
Concen: 20.377 ug/l
RT: 3.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

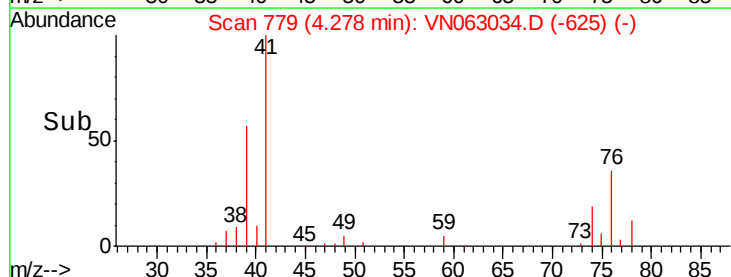
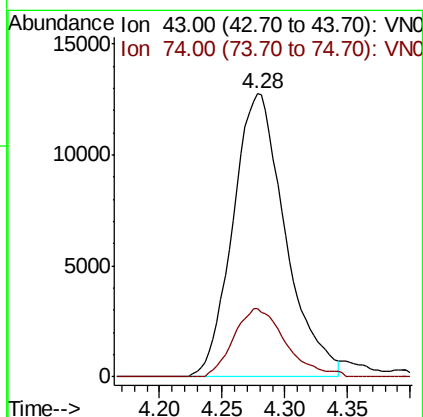
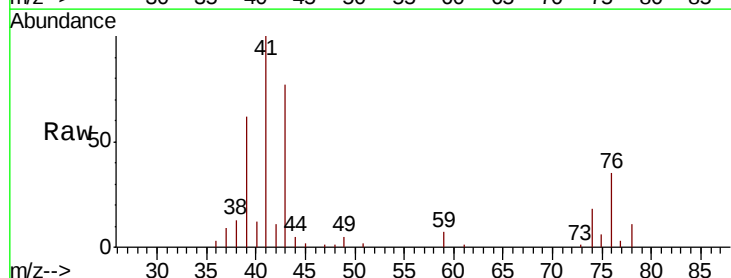
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

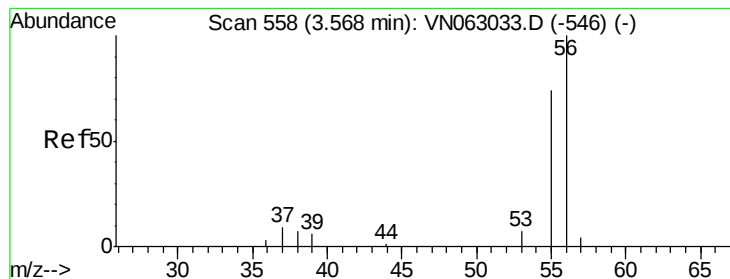
Tot Ion:142 Resp: 37918
Ion Ratio Lower Upper
142 100
127 40.3 20.9 62.8
141 14.6 6.7 20.1



#12
Methyl Acetate
Concen: 20.490 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 43 Resp: 37043
Ion Ratio Lower Upper
43 100
74 23.8 18.6 27.8





#13

Acrolein

Concen: 81.043 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

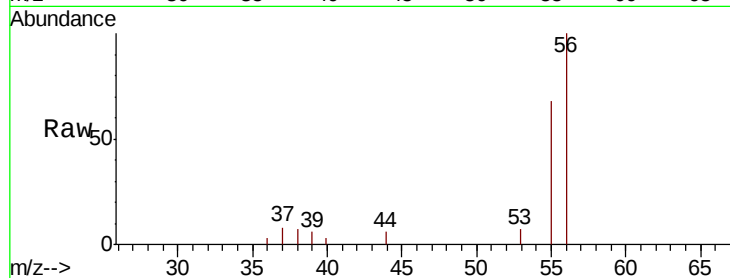
ICVFN082020

Tot Ion: 56 Resp: 15016

Ion Ratio Lower Upper

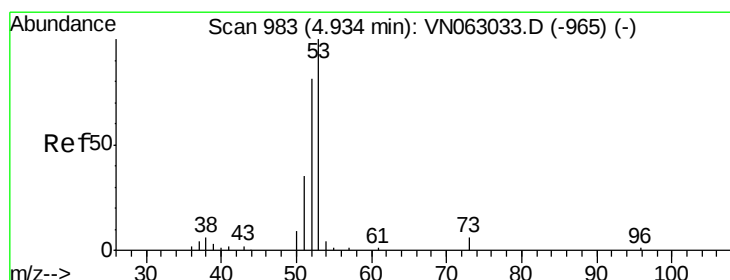
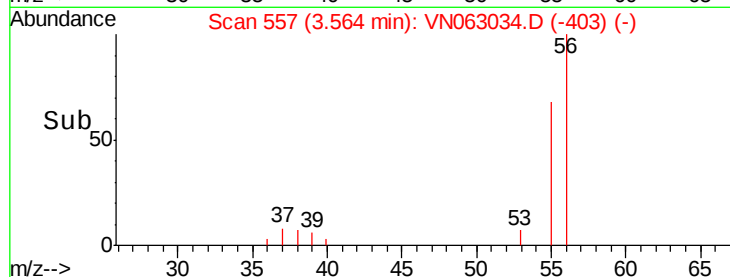
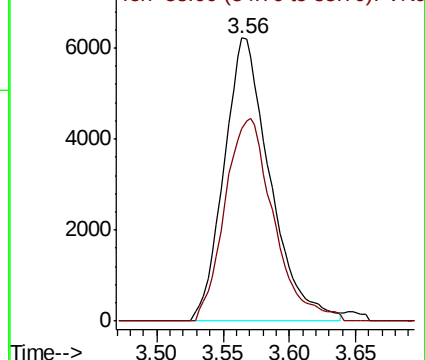
56 100

55 75.8 58.7 88.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 102.316 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

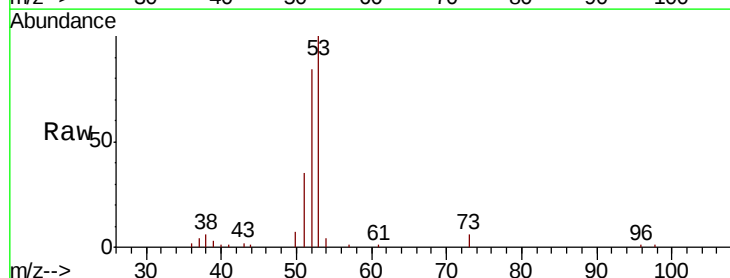
Tgt Ion: 53 Resp: 80993

Ion Ratio Lower Upper

53 100

52 82.4 39.9 119.7

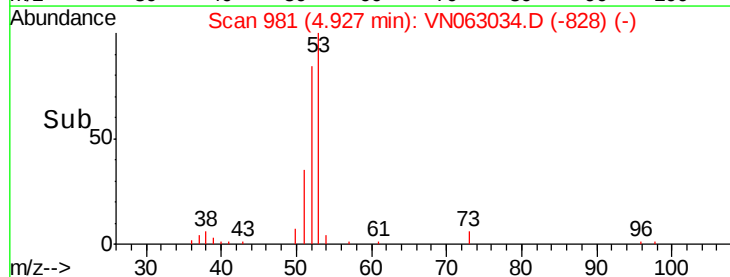
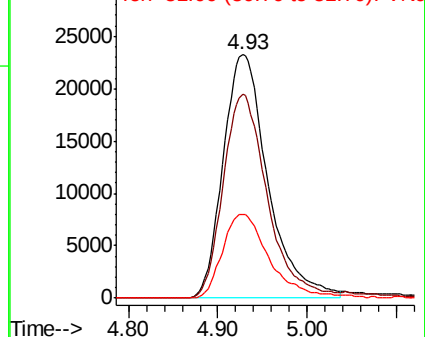
51 35.3 17.0 51.0

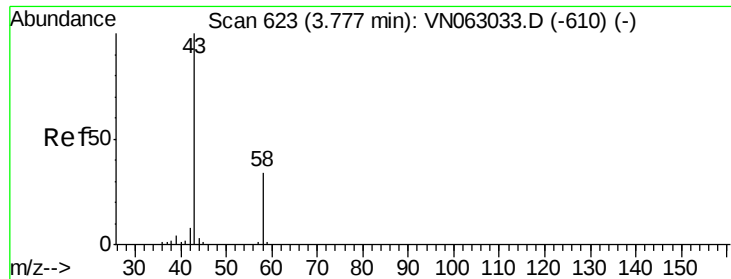


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 111.635 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

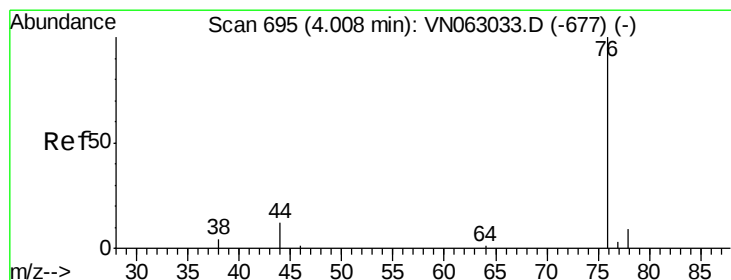
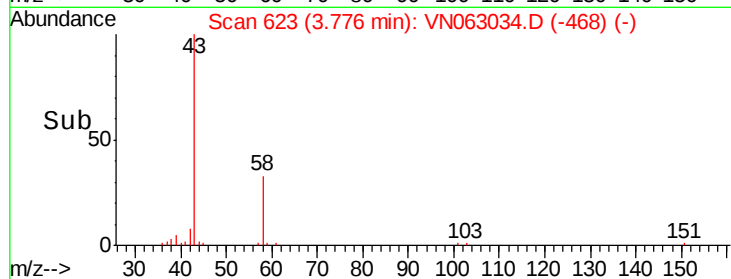
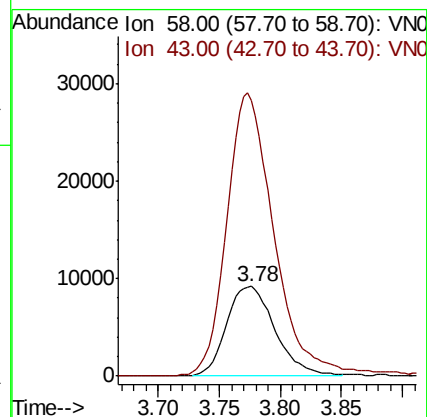
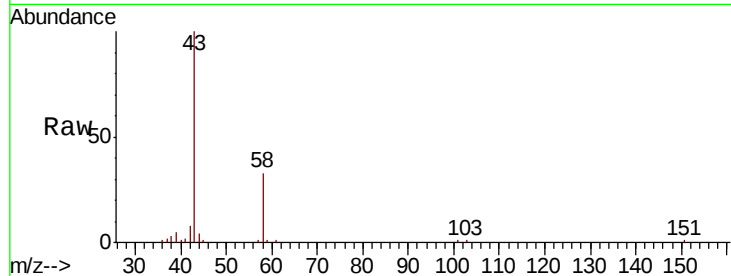
ICVFN082020

Tot Ion: 58 Resp: 25576

Ion Ratio Lower Upper

58 100

43 302.8 233.2 349.8



#16

Carbon Disulfide

Concen: 21.970 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN063034.D

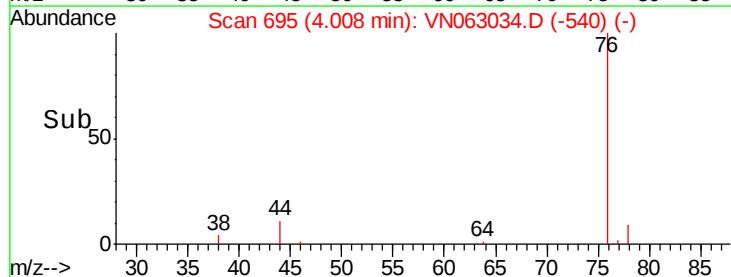
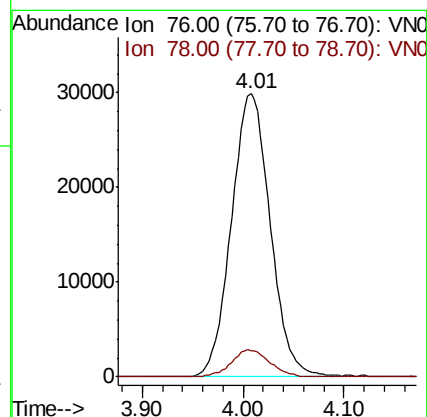
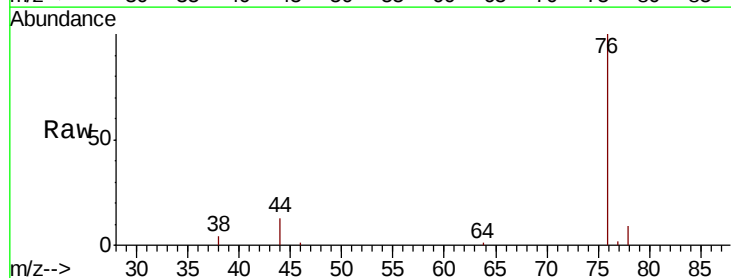
Acq: 20 Aug 2020 13:52

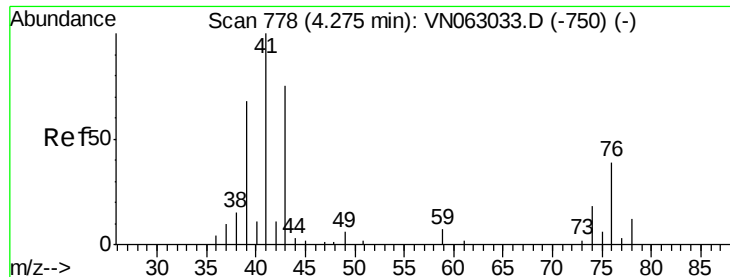
Tgt Ion: 76 Resp: 79994

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4

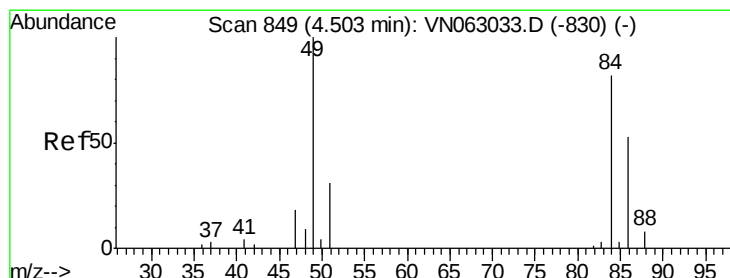
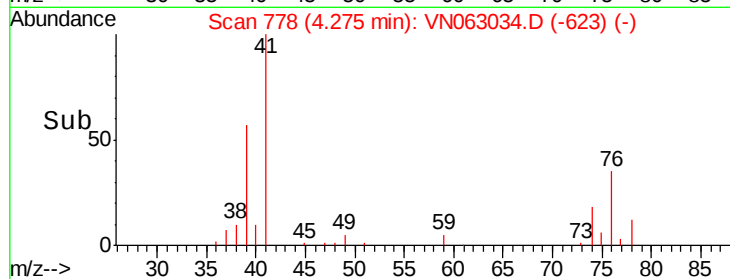
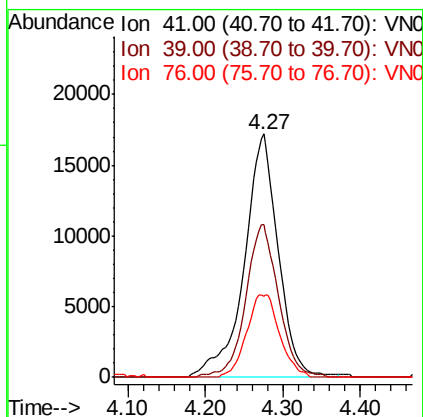
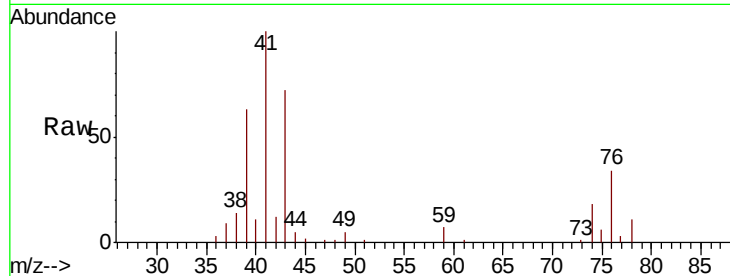




#17
Allvl chloride
Concen: 21.269 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

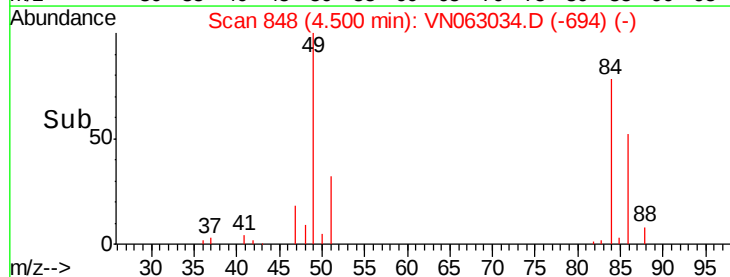
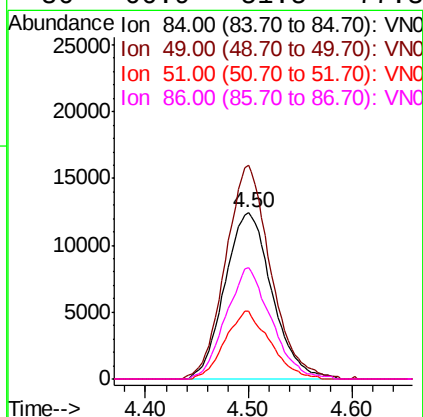
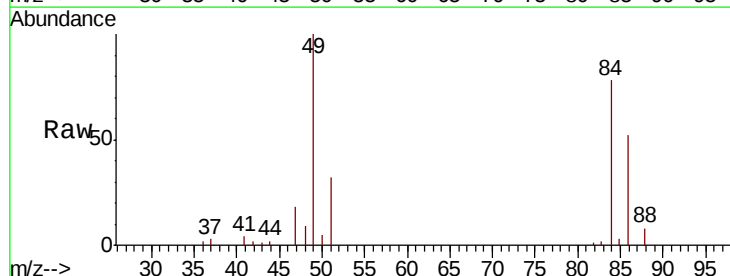
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

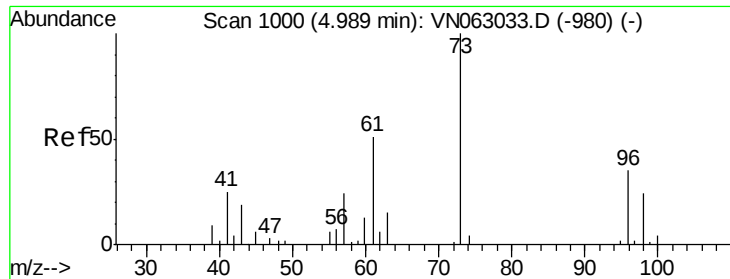
Tot Ion: 41 Resp: 52932
Ion Ratio Lower Upper
41 100
39 62.6 33.8 101.4
76 33.5 19.4 58.4



#18
Methylene Chloride
Concen: 20.868 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 84 Resp: 39600
Ion Ratio Lower Upper
84 100
49 127.1 97.8 146.8
51 40.8 30.7 46.1
86 66.9 51.5 77.3

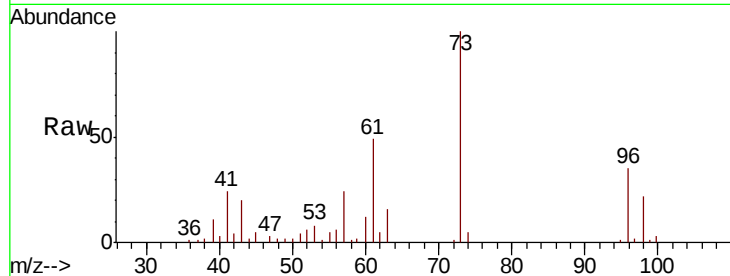




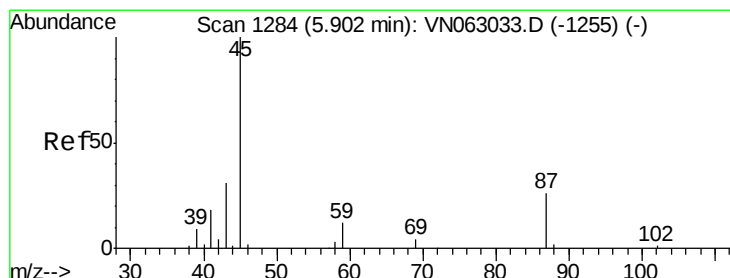
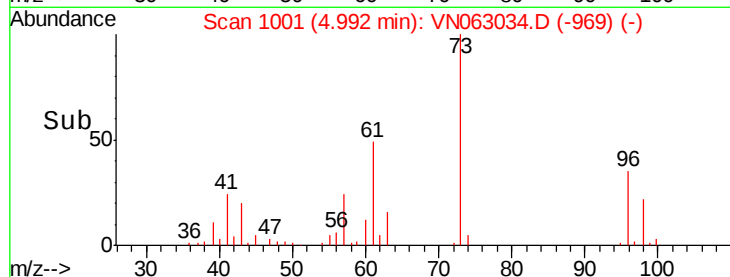
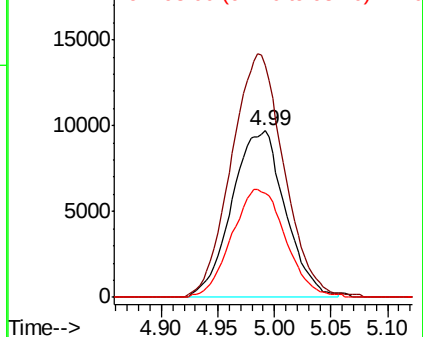
#19
trans-1,2-Dichloroethene
Concen: 21.342 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion: 96 Resp: 31829
Ion Ratio Lower Upper
96 100
61 137.3 115.9 173.9
98 62.7 53.3 79.9

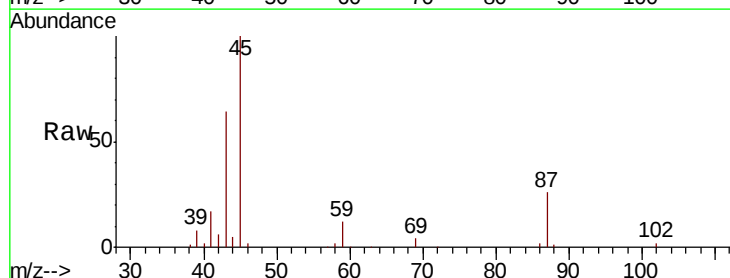


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

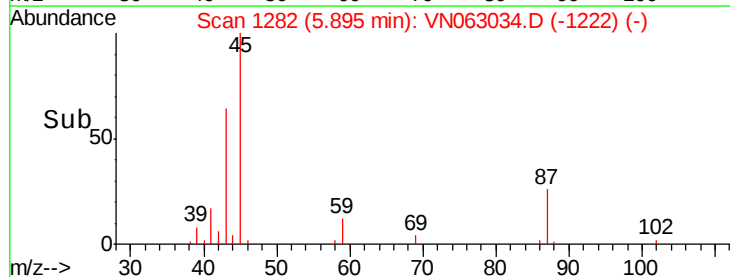
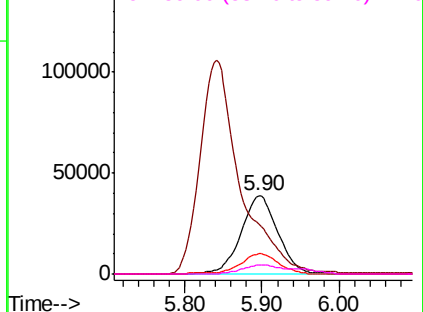


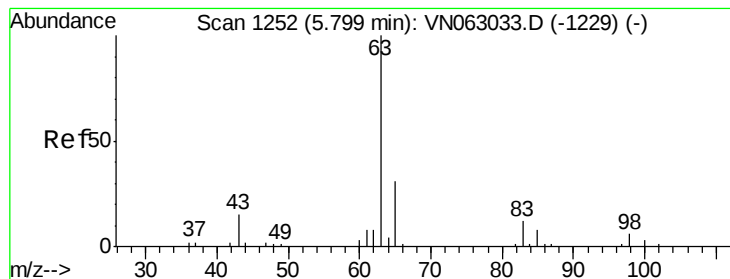
#20
Diisopropyl ether
Concen: 22.109 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 45 Resp: 128871
Ion Ratio Lower Upper
45 100
43 61.4 51.8 77.6
87 26.3 21.8 32.6
59 11.9 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 21.309 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

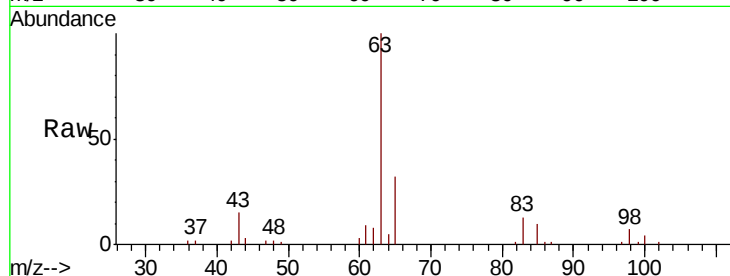
Tot Ion: 63 Resp: 68167

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

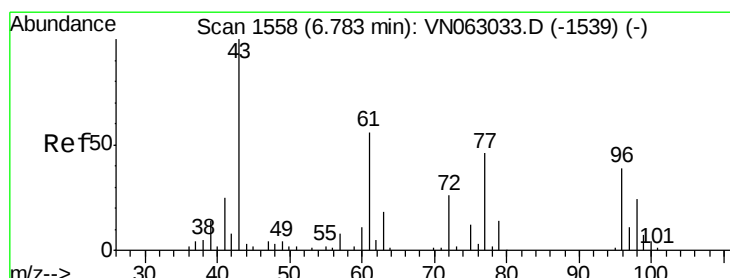
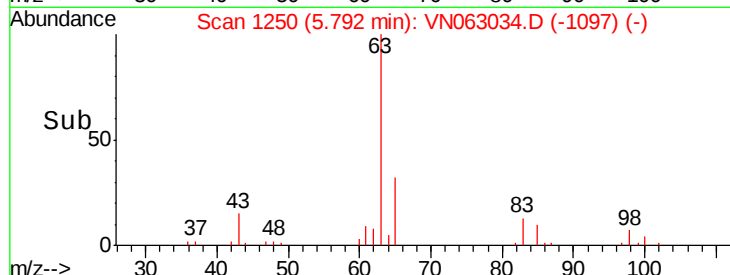
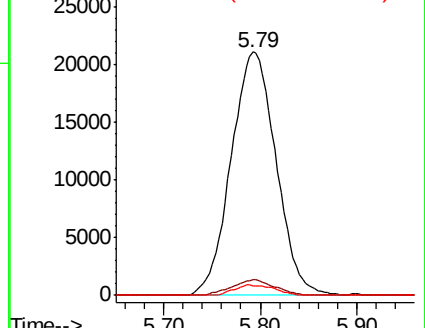
100 4.0 1.8 5.3



Abundance Ion 63.00 (62.70 to 63.70): VN063034.D (-1229) (-)

Ion 98.00 (97.70 to 98.70): VN063034.D (-1229) (-)

Ion 100.00 (99.70 to 100.70): VN063034.D (-1229) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.001 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

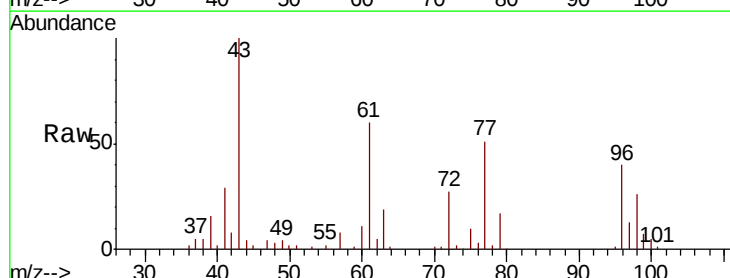
Tgt Ion: 96 Resp: 38814

Ion Ratio Lower Upper

96 100

61 154.2 120.9 181.3

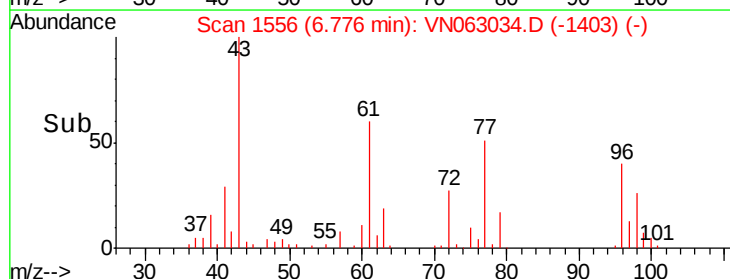
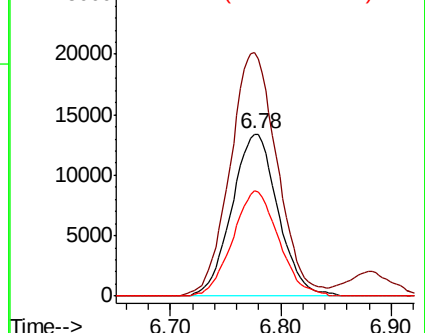
98 64.8 50.3 75.5

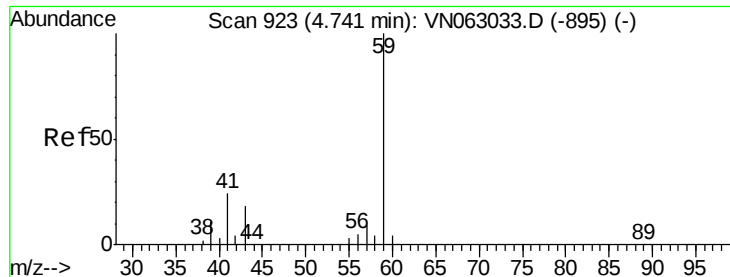


Abundance Ion 96.00 (95.70 to 96.70): VN063034.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN063034.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN063034.D (-1539) (-)



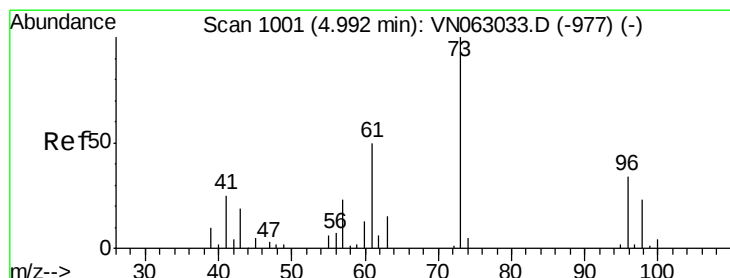
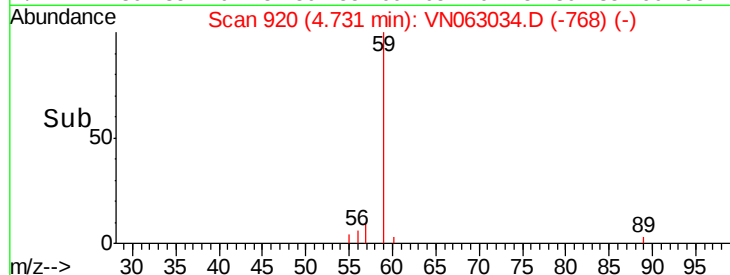
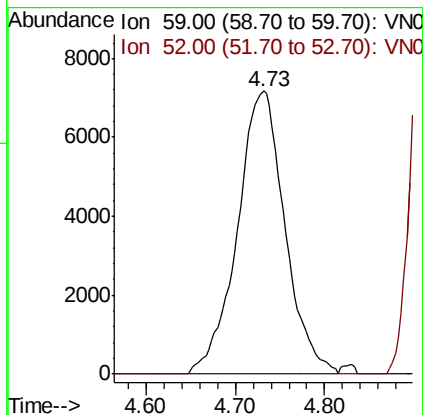
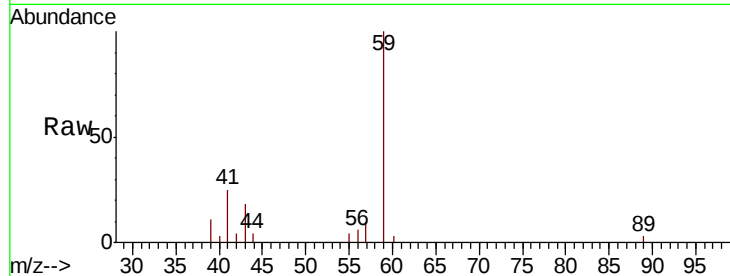


#23

tert-Butyl Alcohol
 Concen: 102.507 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

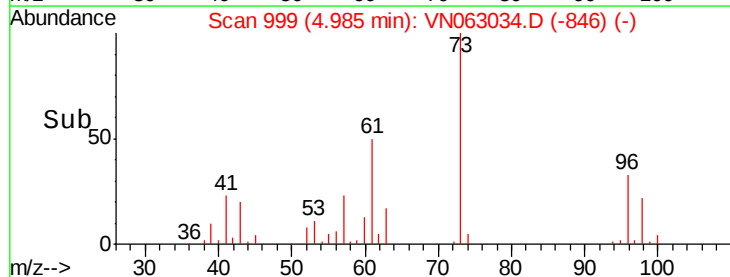
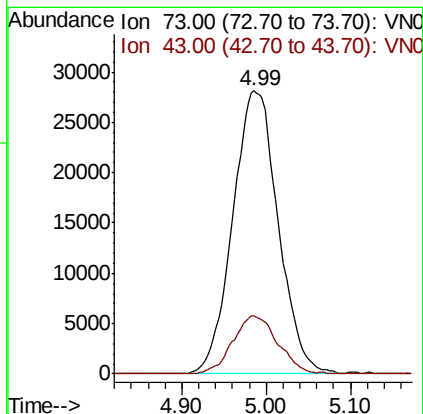
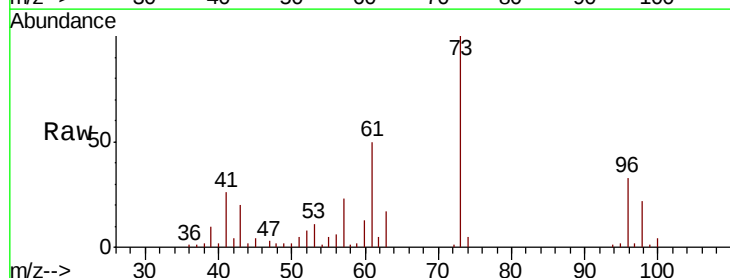
Tot Ion: 59 Resp: 26584
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

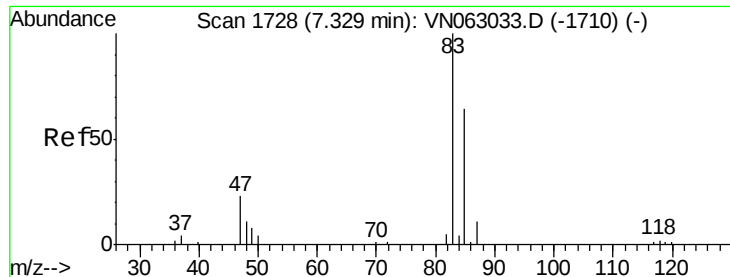


#24

Methyl tert-Butyl Ether
 Concen: 21.137 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 73 Resp: 105170
 Ion Ratio Lower Upper
 73 100
 43 20.3 15.8 23.6

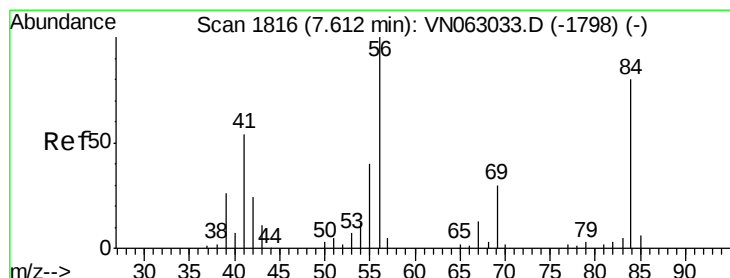
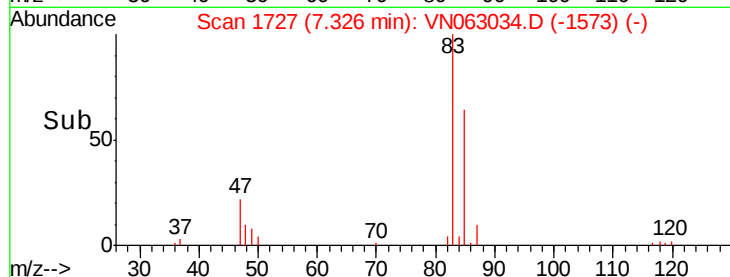
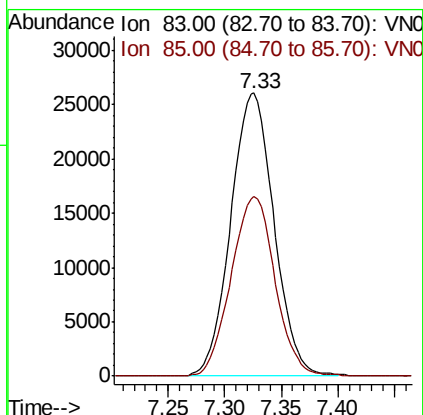
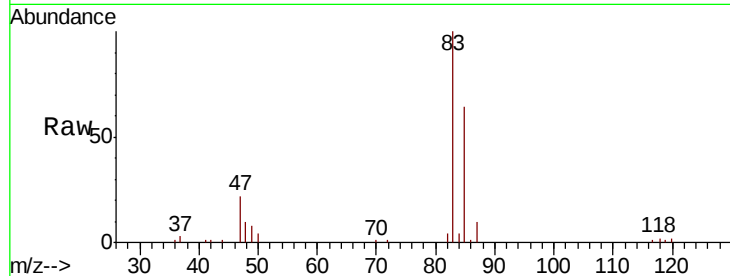




#25
Chloroform
Concen: 21.723 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

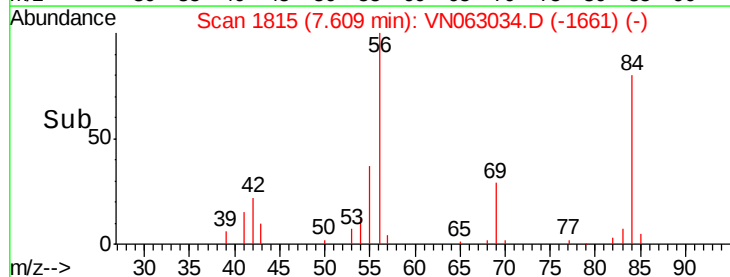
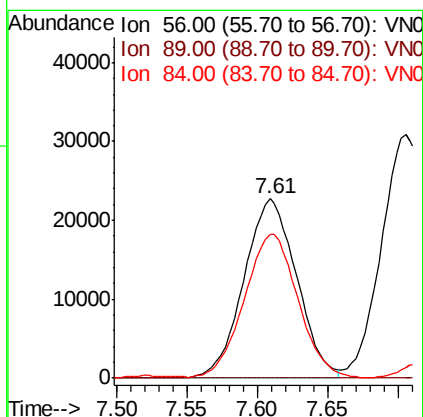
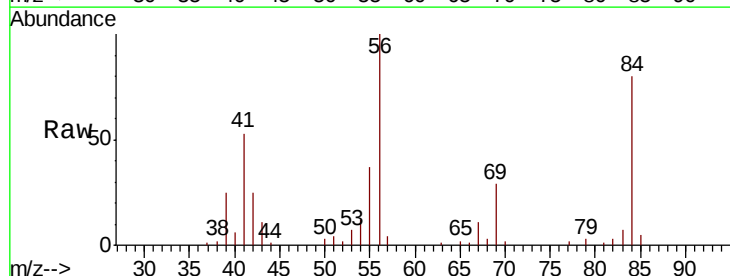
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

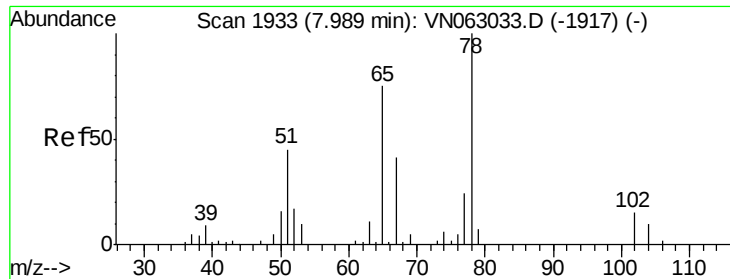
Tot Ion: 83 Resp: 69206
Ion Ratio Lower Upper
83 100
85 63.5 51.0 76.4



#26
Cyclohexane
Concen: 21.487 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 56 Resp: 59172
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 82.2 65.0 97.4

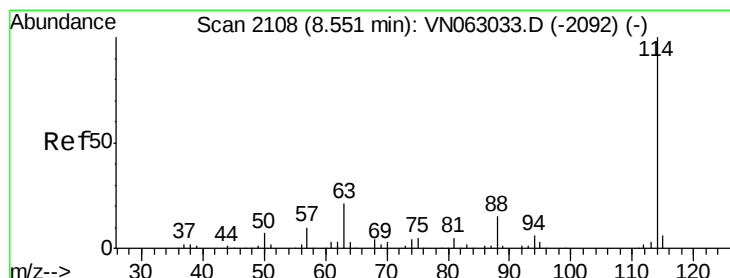
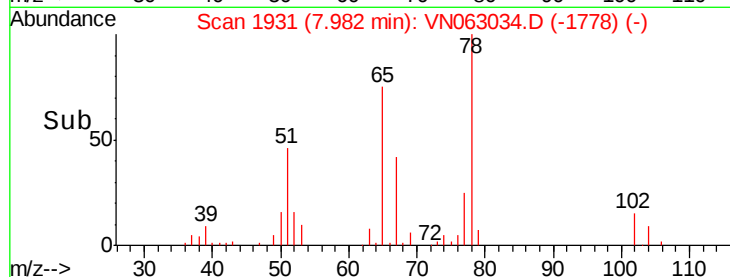
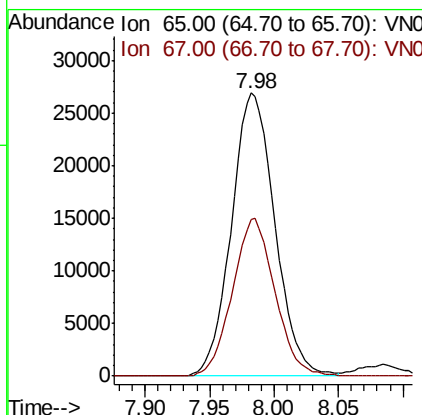
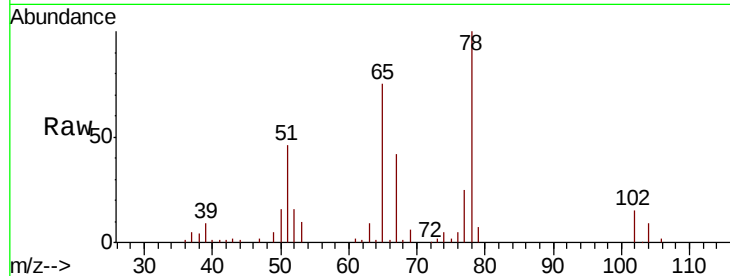




#27
1,2-Dichloroethane-d4
Concen: 30.644 ug/l
RT: 7.98 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

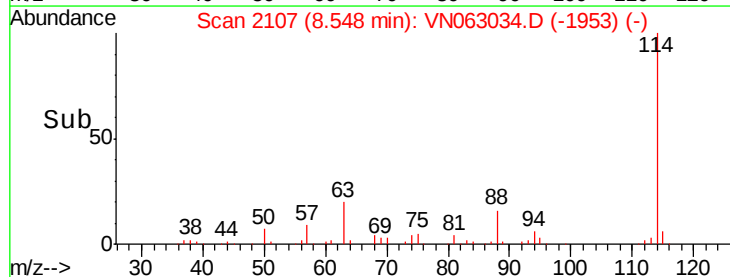
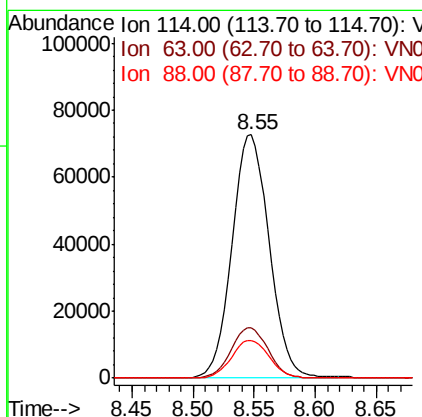
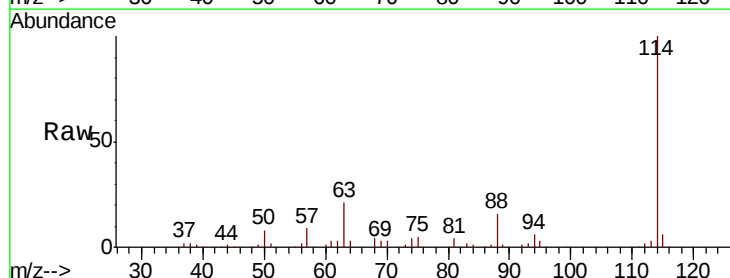
Instrument :
MSVOA_N
ClientSampleId :
ICVFN082020

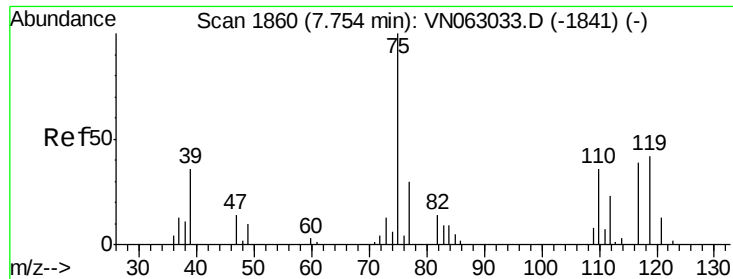
Tot Ion: 65 Resp: 63105
Ion Ratio Lower Upper
65 100
67 54.3 43.8 65.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 114 Resp: 154053
Ion Ratio Lower Upper
114 100
63 20.7 17.0 25.6
88 15.7 12.6 18.8

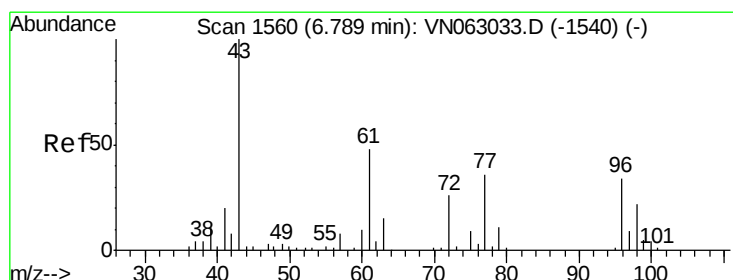
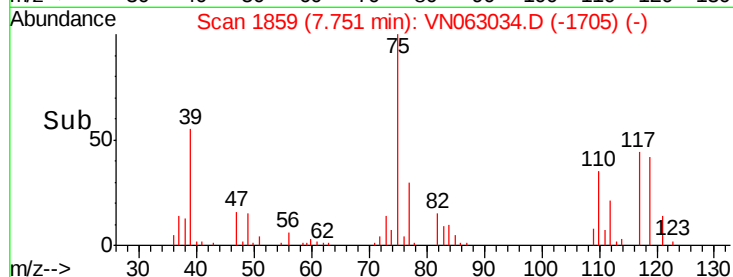
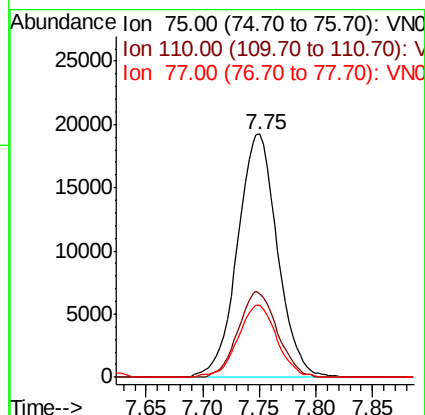
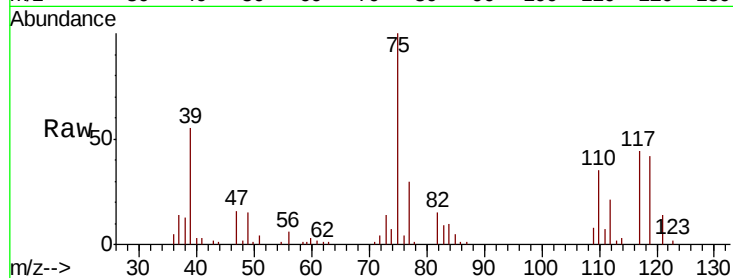




#29
 1,1-Dichloropropene
 Concen: 21.150 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

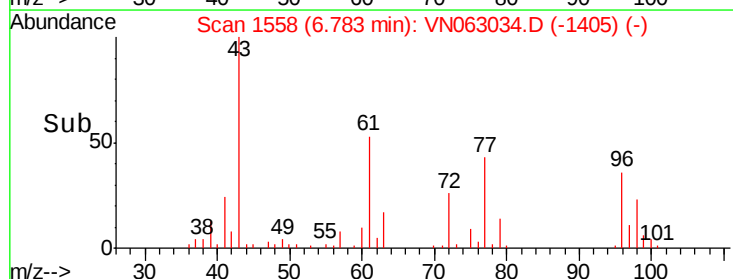
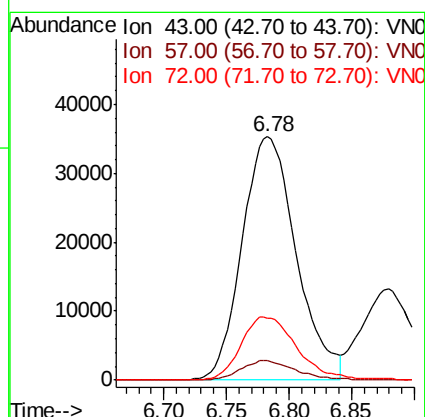
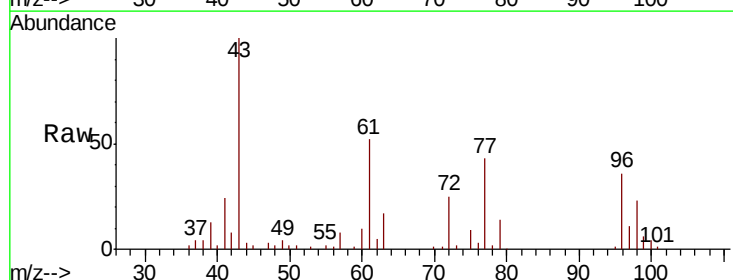
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

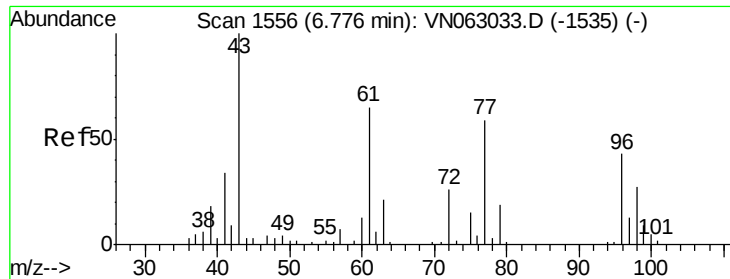
Tot Ion: 75 Resp: 47316
 Ion Ratio Lower Upper
 75 100
 110 34.3 0.0 70.6
 77 29.1 0.0 60.2



#30
 2-Butanone
 Concen: 101.754 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 43 Resp: 106104
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.6 9.8
 72 26.7 21.3 31.9

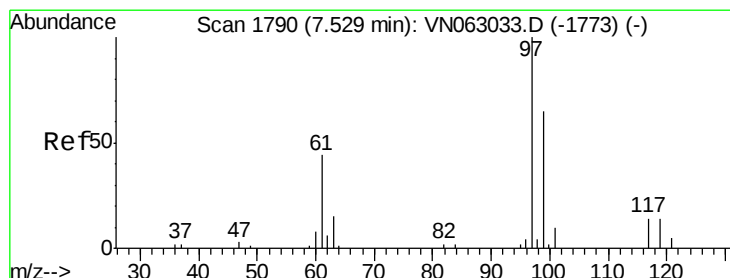
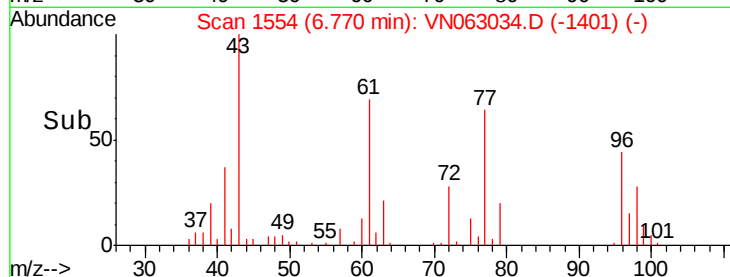
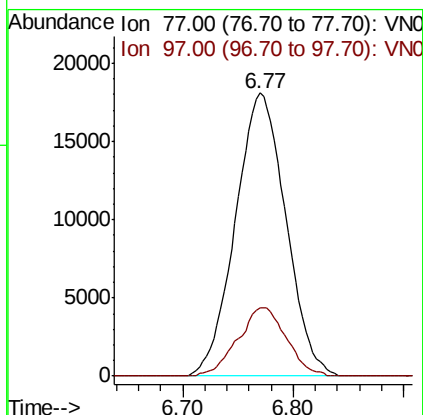
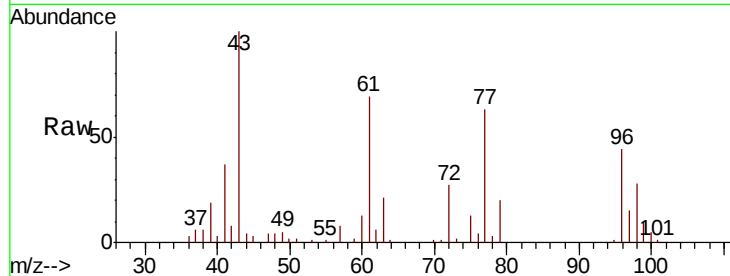




#31
 2,2-Dichloropropane
 Concen: 21.053 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

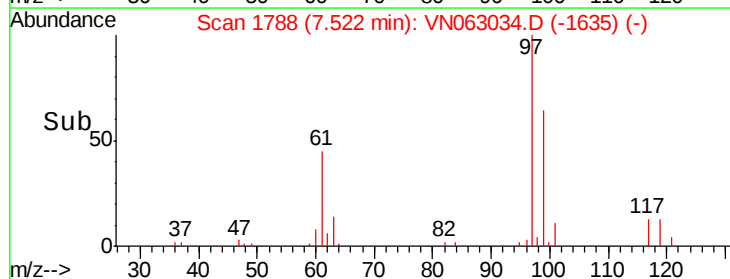
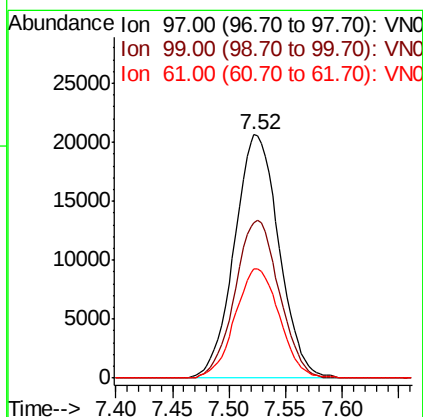
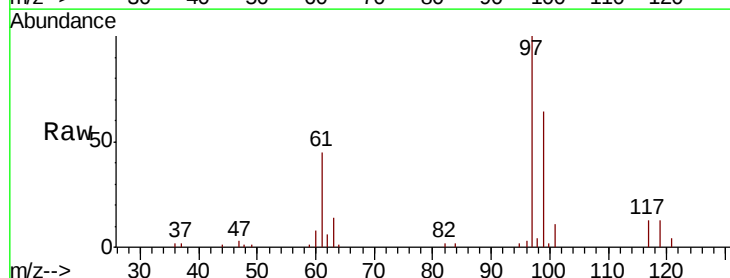
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

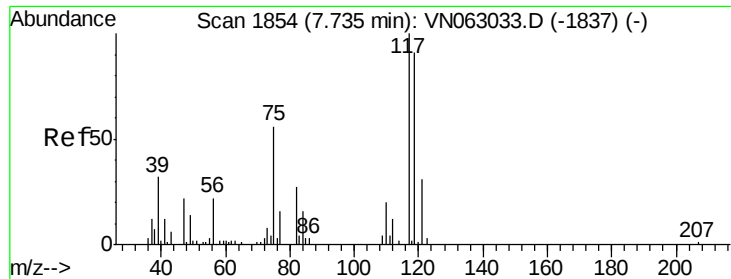
Tot Ion: 77 Resp: 57250
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.2 27.4



#32
 1,1,1-Trichloroethane
 Concen: 20.999 ug/l
 RT: 7.52 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 97 Resp: 56583
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 44.8 35.3 52.9

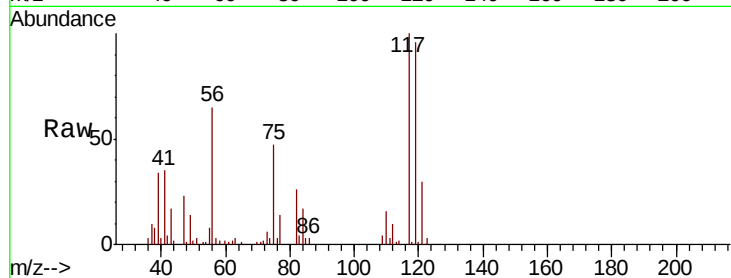




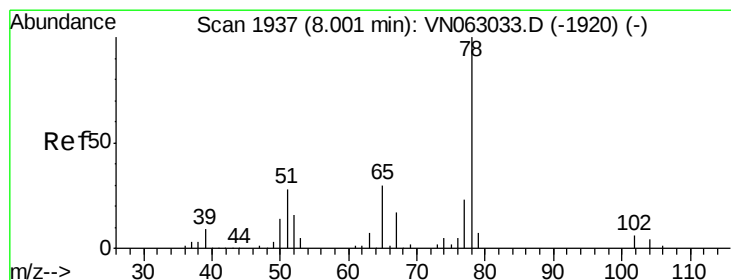
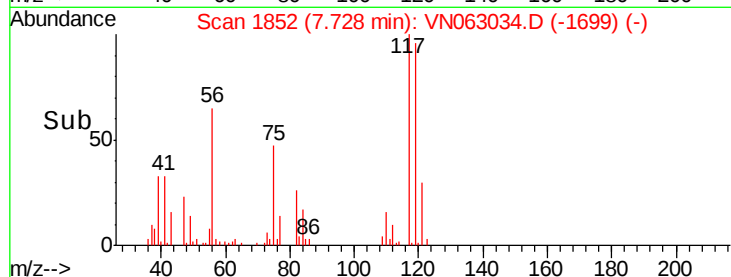
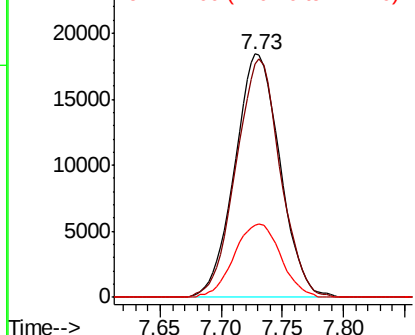
#33
Carbon Tetrachloride
Concen: 20.592 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVFN082020

Tot Ion:117 Resp: 47249
Ion Ratio Lower Upper
117 100
119 95.8 73.0 109.4
121 29.5 24.9 37.3

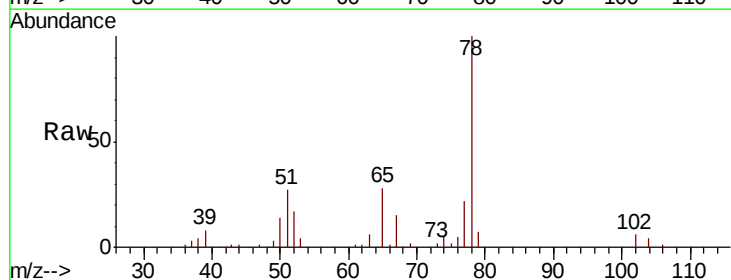


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

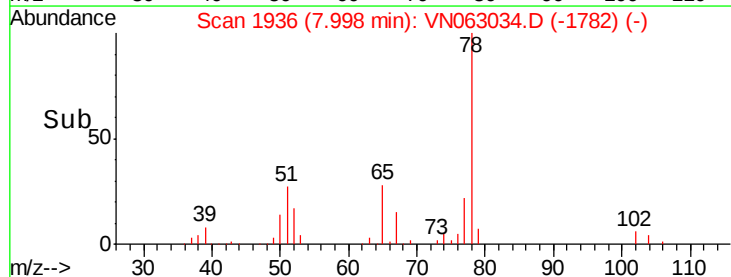
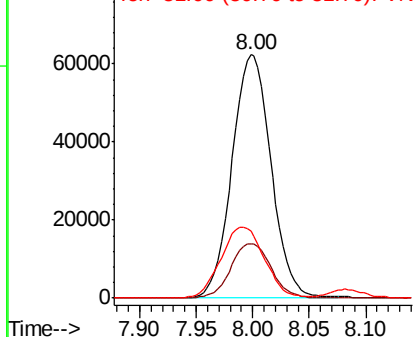


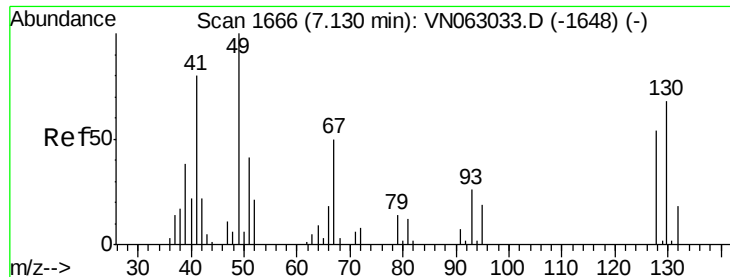
#34
Benzene
Concen: 20.918 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 78 Resp: 149971
Ion Ratio Lower Upper
78 100
77 22.4 18.6 27.8
51 27.0 22.2 33.2



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

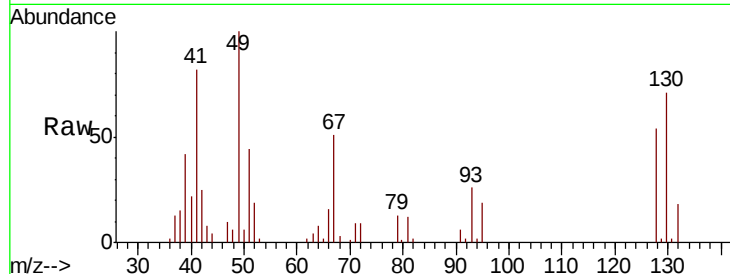




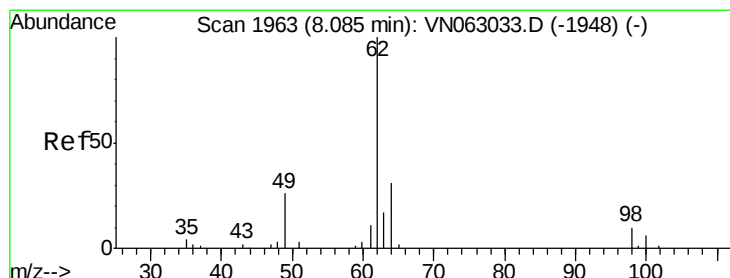
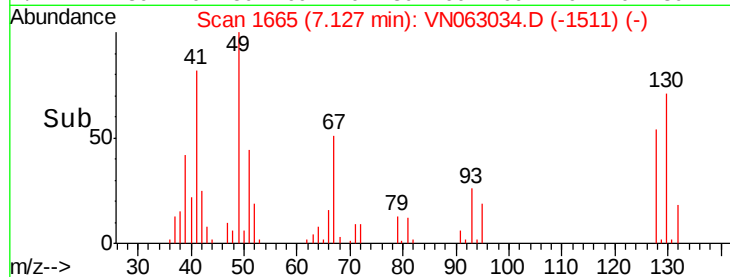
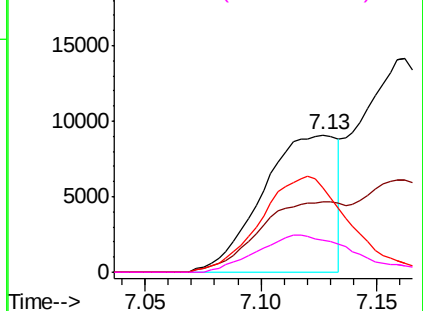
#35
Methacrylonitrile
Concen: 20.561 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampled :
ICVVN082020

Tot Ion: 41 Resp: 20377
Ion Ratio Lower Upper
41 100
39 50.9 23.7 71.1
67 61.7 31.6 94.7
52 23.3 13.1 39.3

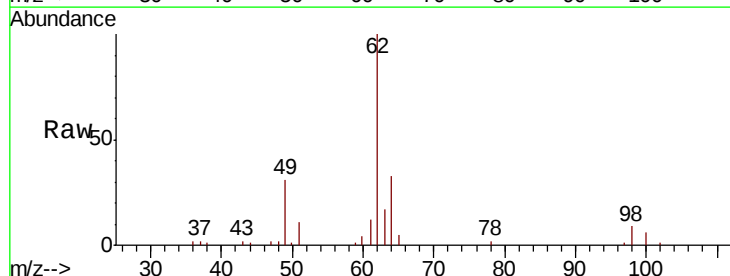


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

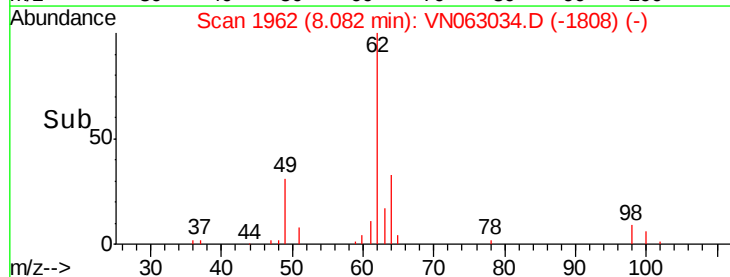
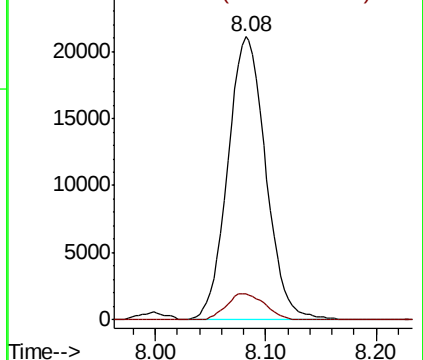


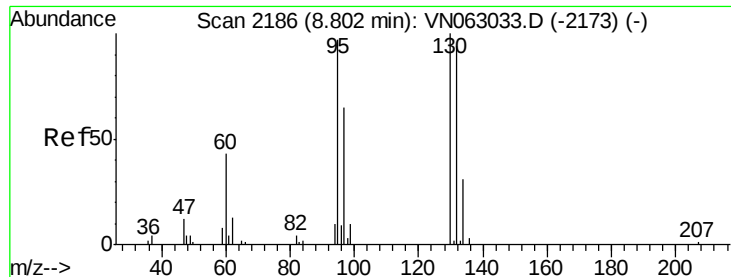
#36
1,2-Dichloroethane
Concen: 20.613 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 62 Resp: 50417
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

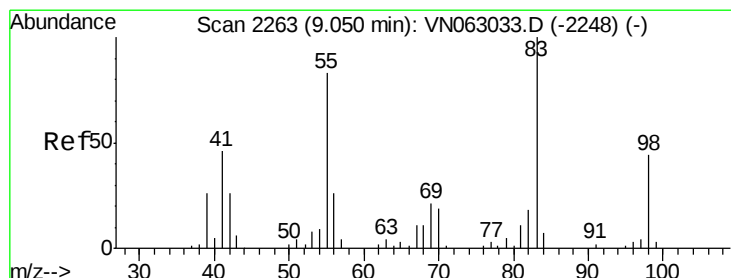
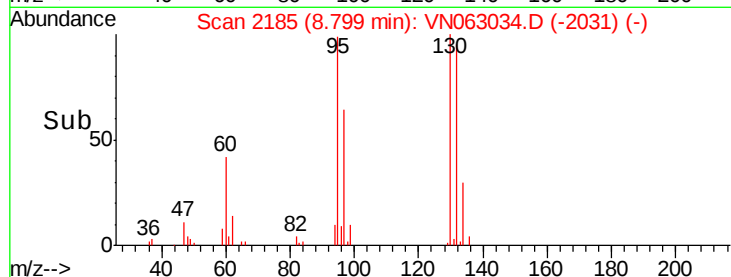
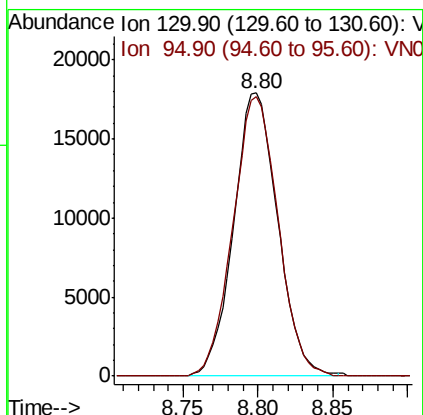
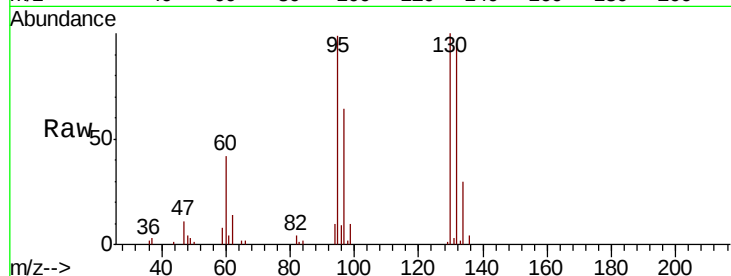




#37
 Trichloroethene
 Concen: 20.964 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

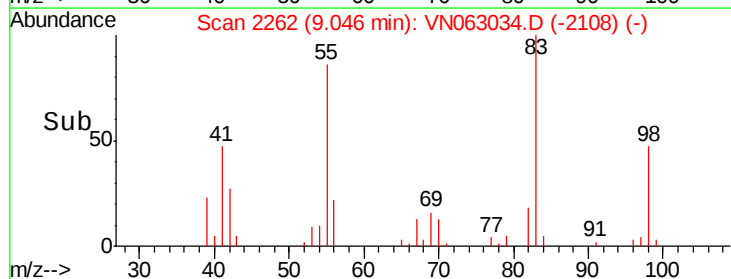
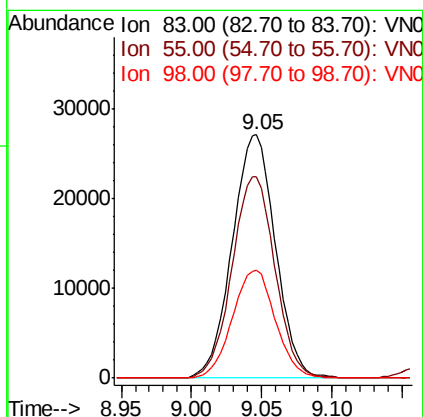
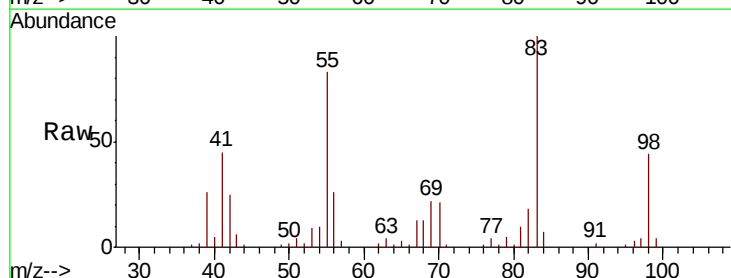
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

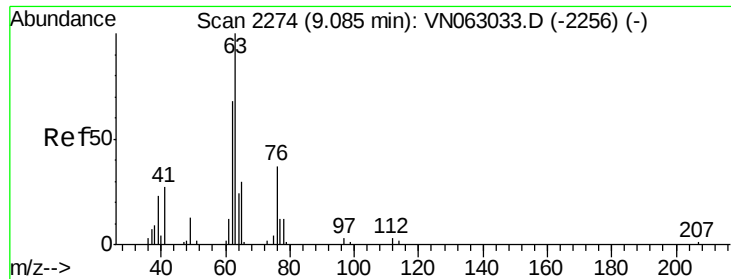
Tot Ion:130 Resp: 36808
 Ion Ratio Lower Upper
 130 100
 95 98.7 78.9 118.3



#38
 Methylcyclohexane
 Concen: 20.694 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 83 Resp: 58069
 Ion Ratio Lower Upper
 83 100
 55 82.1 41.9 125.7
 98 44.1 22.2 66.6





#39

1,2-Dichloropropane

Concen: 20.472 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

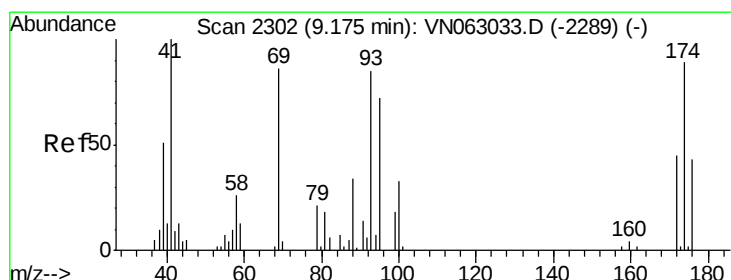
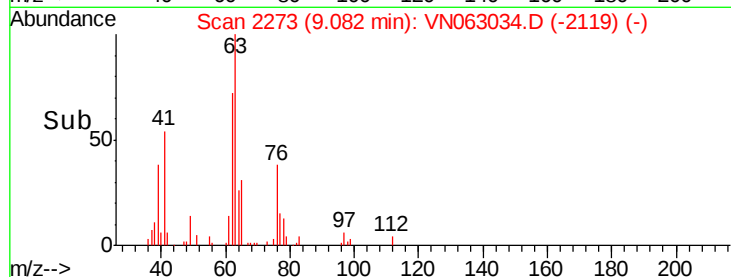
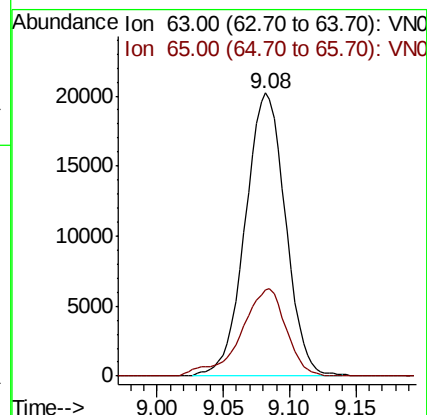
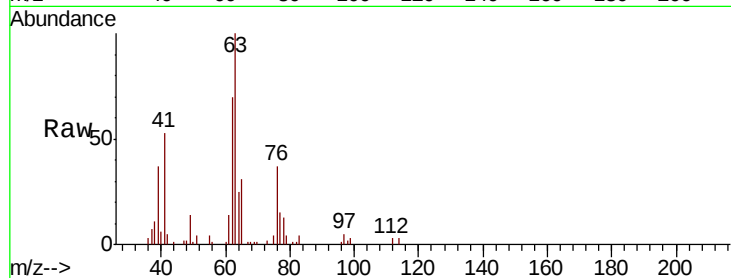
ICVFN082020

Tot Ion: 63 Resp: 42717

Ion Ratio Lower Upper

63 100

65 30.6 25.1 37.7



#40

Dibromomethane

Concen: 21.115 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

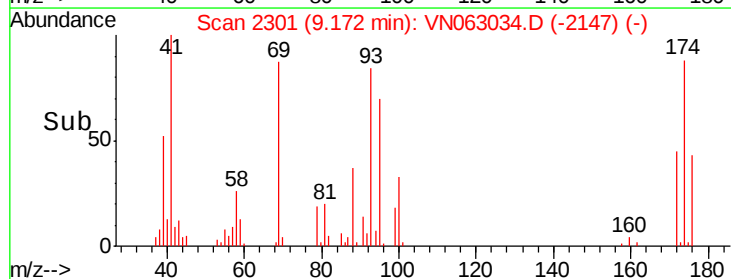
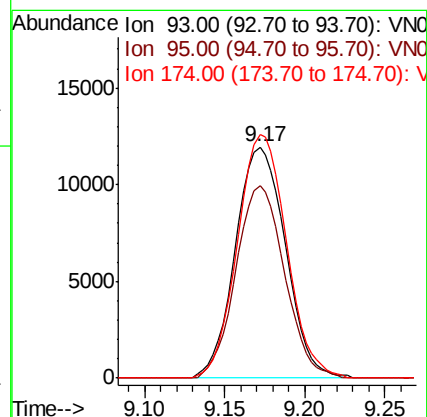
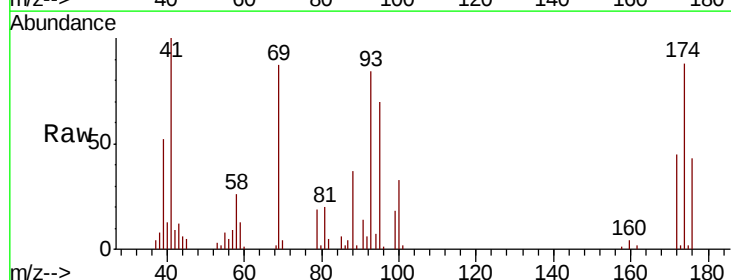
Tgt Ion: 93 Resp: 25580

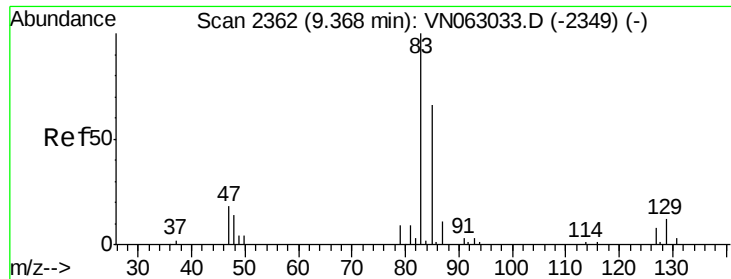
Ion Ratio Lower Upper

93 100

95 80.7 0.0 168.2

174 103.4 0.0 208.4

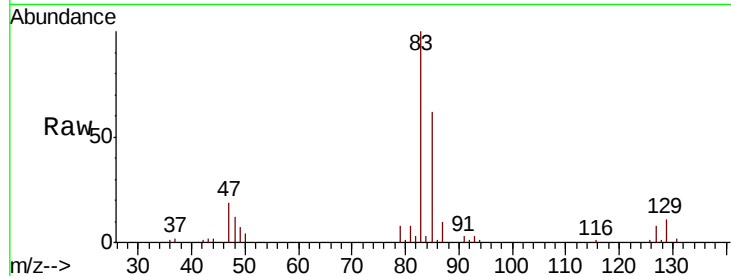




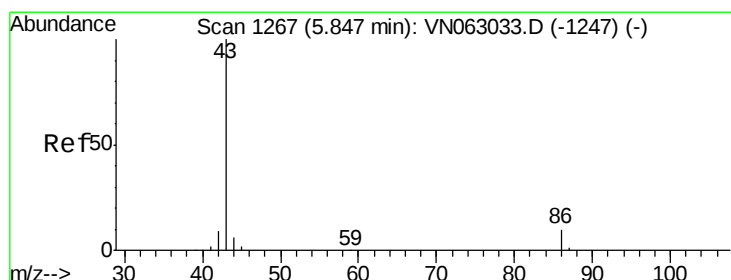
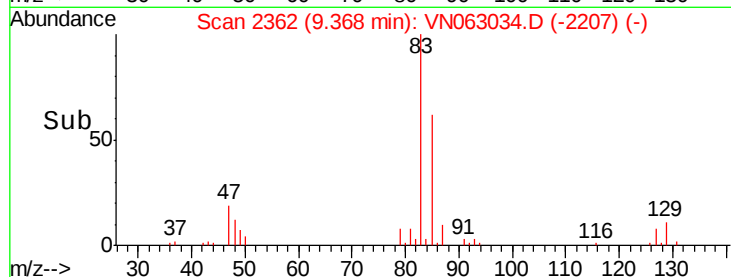
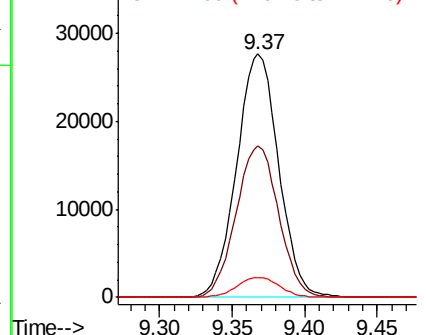
#41
 Bromodichloromethane
 Concen: 20.755 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion: 83 Resp: 55719
 Ion Ratio Lower Upper
 83 100
 85 62.2 52.6 79.0
 127 8.0 7.4 11.0

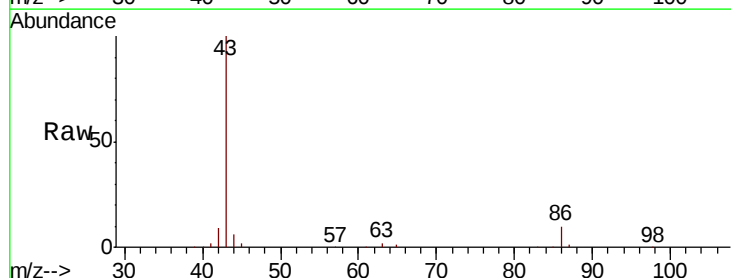


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): V

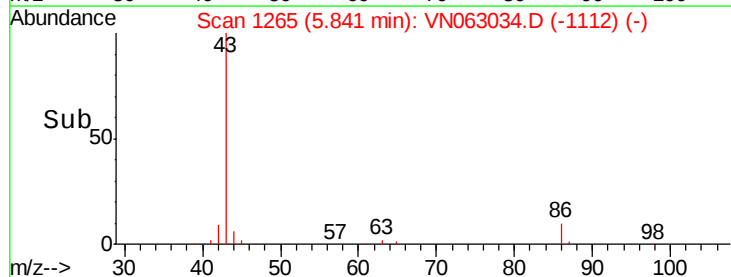
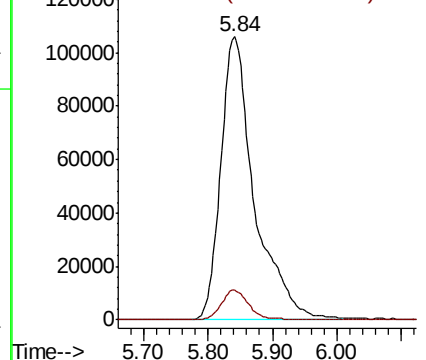


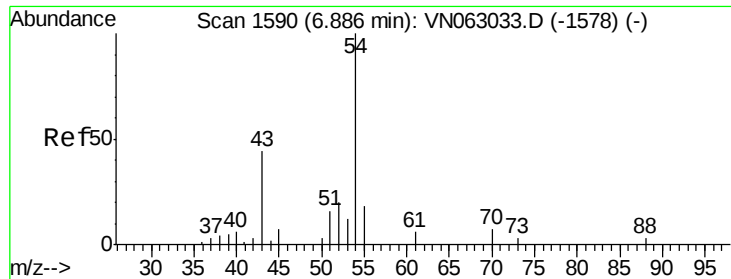
#42
 Vinyl Acetate
 Concen: 97.356 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 43 Resp: 384576
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.441 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

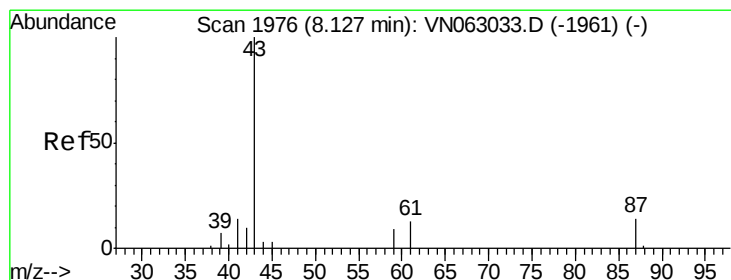
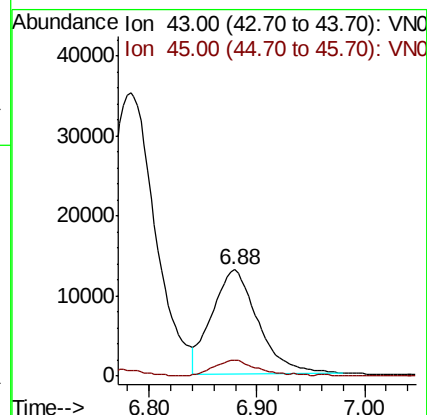
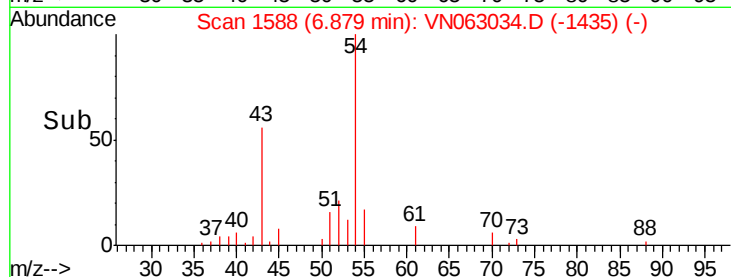
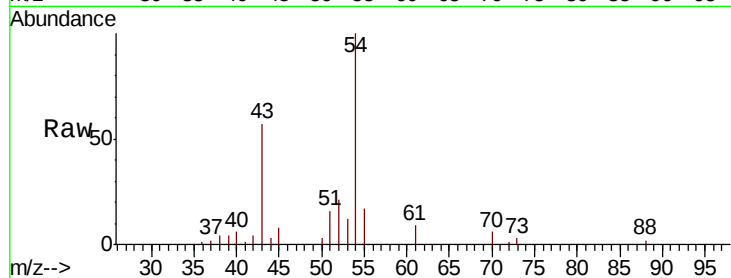
ICVVN082020

Tot Ion: 43 Resp: 38694

Ion Ratio Lower Upper

43 100

45 14.3 11.3 16.9



#44

Isopropyl Acetate

Concen: 20.018 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN063034.D

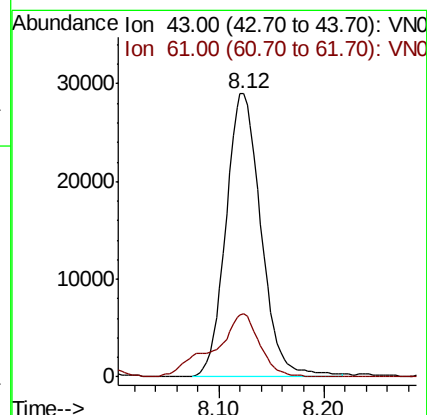
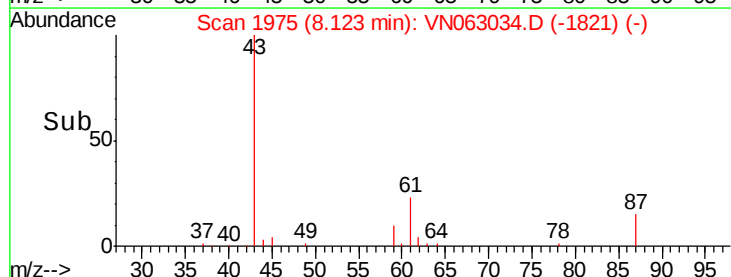
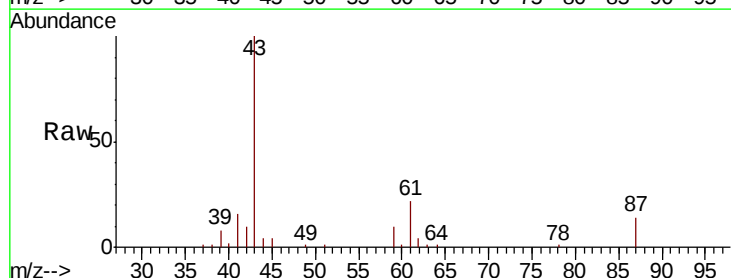
Acq: 20 Aug 2020 13:52

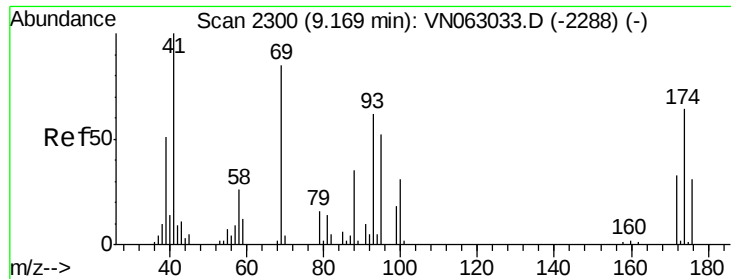
Tgt Ion: 43 Resp: 66885

Ion Ratio Lower Upper

43 100

61 20.8 17.5 26.3

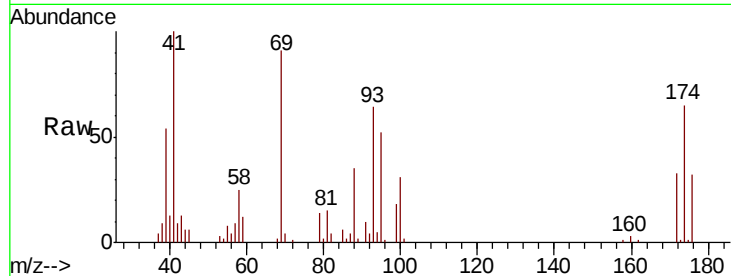




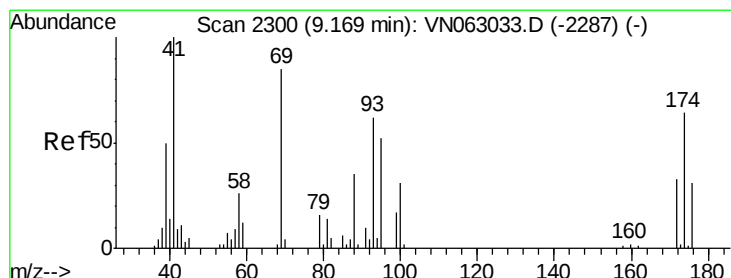
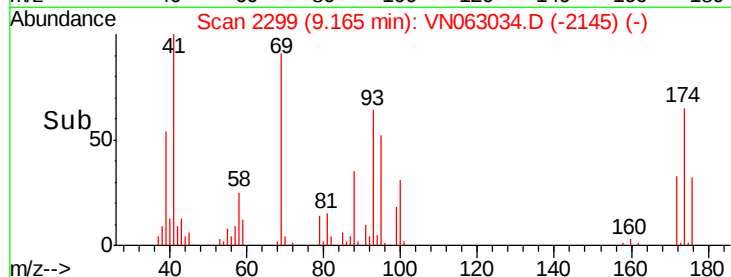
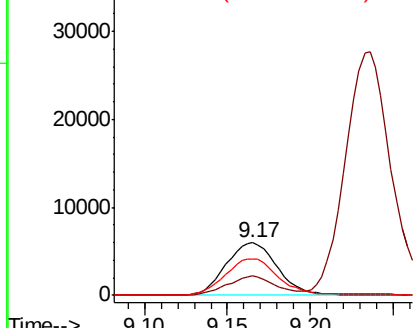
#45
 1,4-Dioxane
 Concen: 409.704 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion: 88 Resp: 12821
 Ion Ratio Lower Upper
 88 100
 43 34.4 28.5 42.7
 58 72.0 59.6 89.4

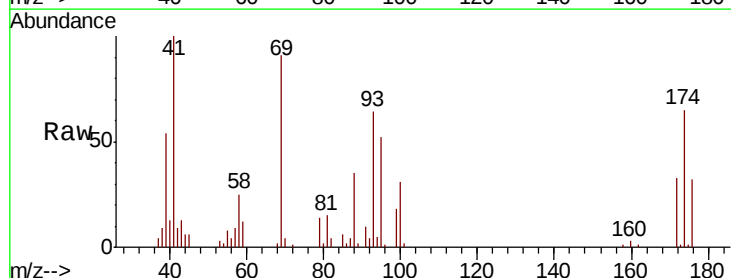


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

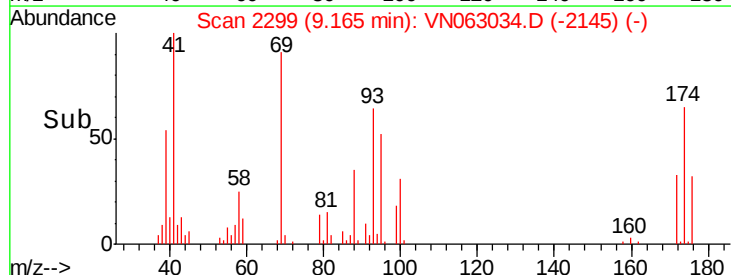
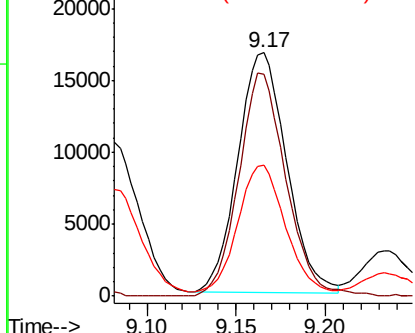


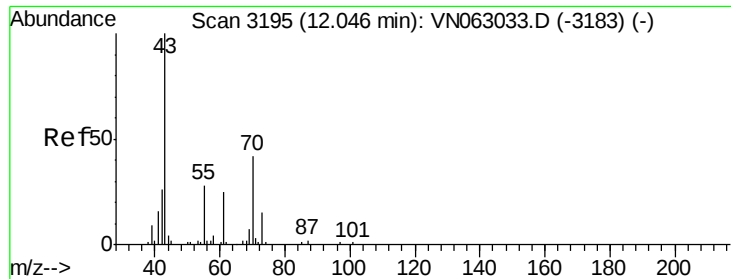
#46
 Methyl methacrylate
 Concen: 19.488 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 41 Resp: 32059
 Ion Ratio Lower Upper
 41 100
 69 93.0 42.6 128.0
 39 52.8 25.1 75.4



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

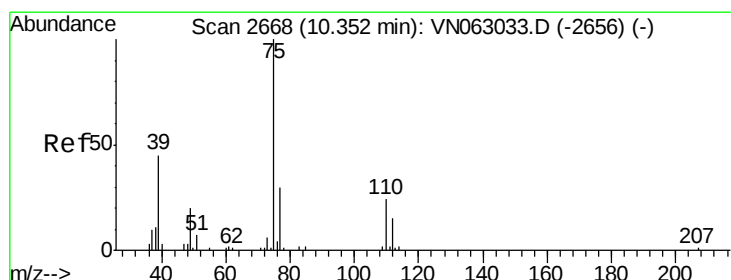
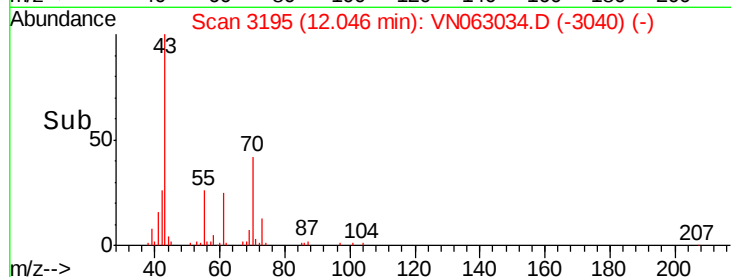
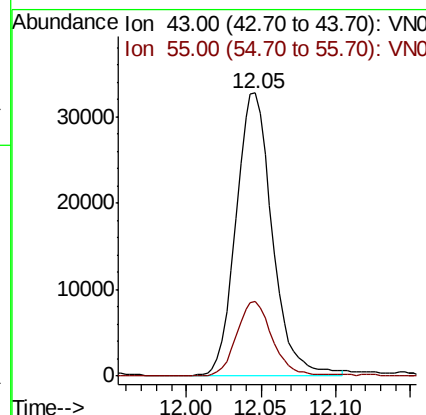
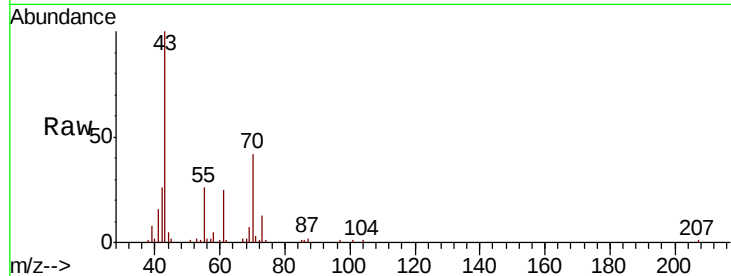




#47
n-amyl Acetate
Concen: 18.753 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

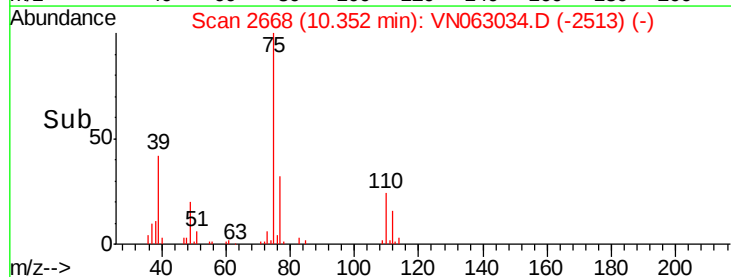
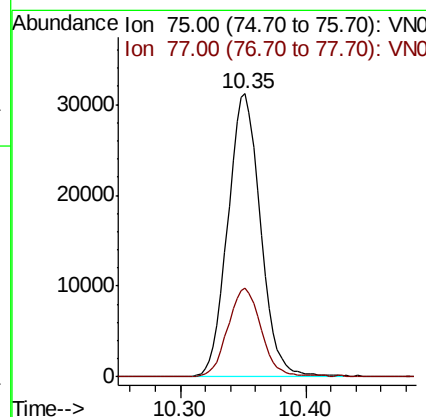
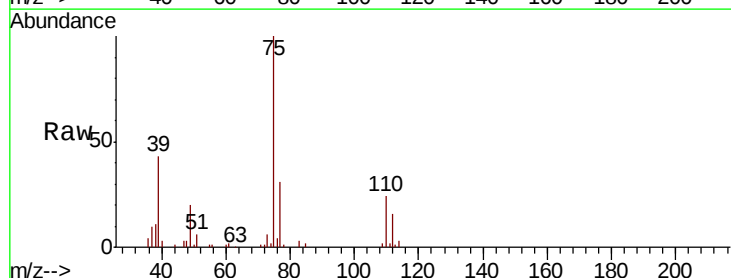
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

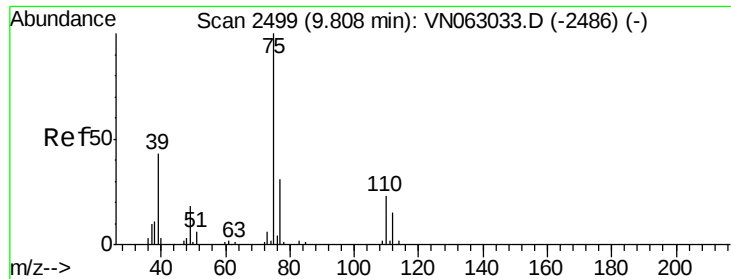
Tot Ion: 43 Resp: 55612
Ion Ratio Lower Upper
43 100
55 25.9 21.2 31.8



#48
t-1,3-Dichloropropene
Concen: 19.920 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 75 Resp: 56481
Ion Ratio Lower Upper
75 100
77 31.3 23.8 35.8



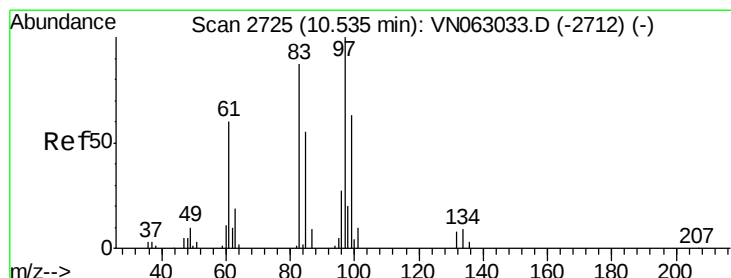
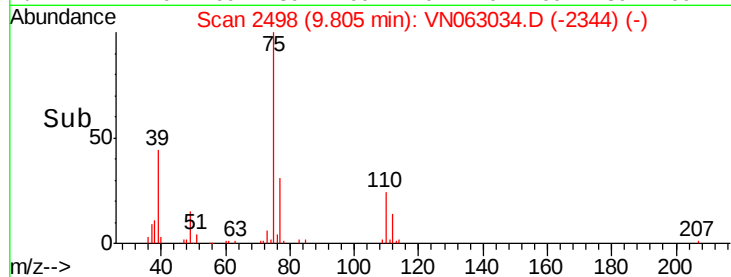
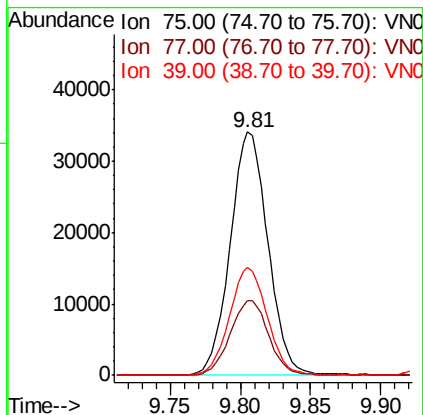
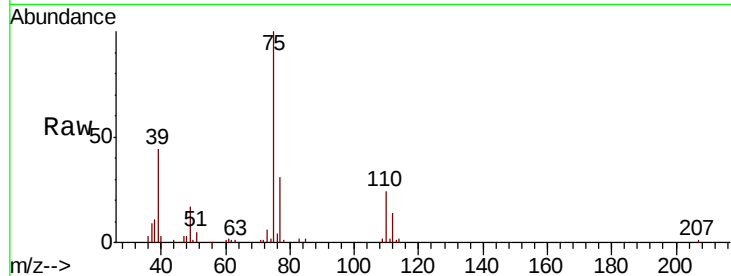


#49

cis-1,3-Dichloropropene
 Concen: 20.656 ug/l
 RT: 9.81 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

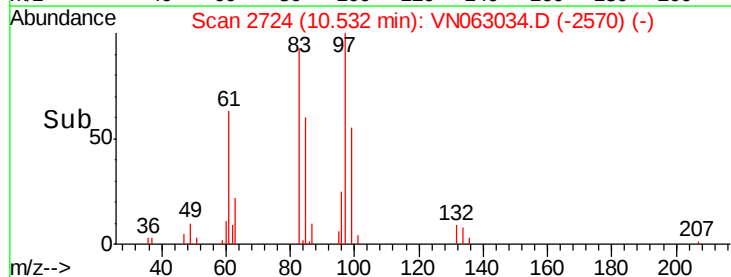
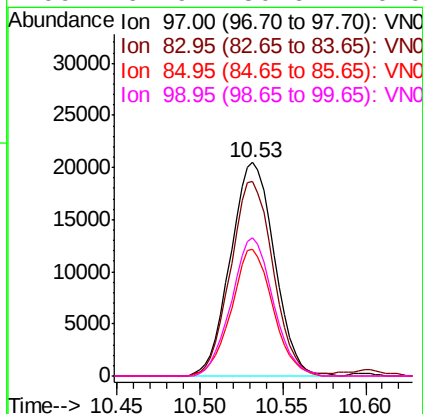
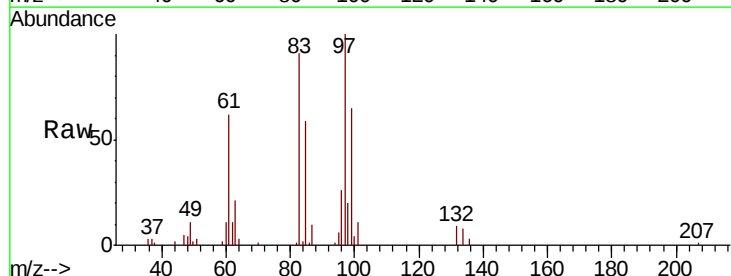
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.8	37.2
39	44.1	34.5	51.7

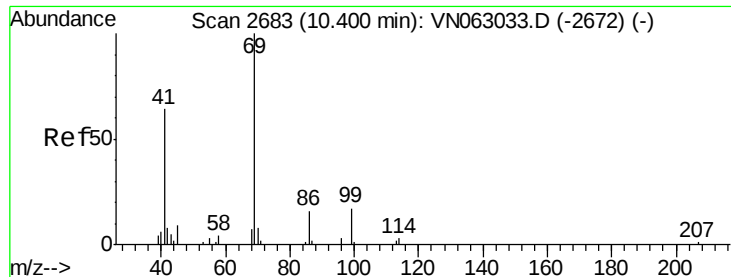


#50

1,1,2-Trichloroethane
 Concen: 20.199 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.2	69.9	104.9
85	59.4	44.0	66.0
99	64.9	50.6	76.0





#51

Ethyl methacrylate

Concen: 19.173 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

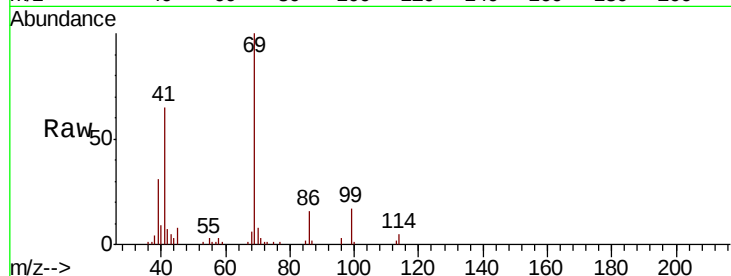
Tot Ion: 69 Resp: 48725

Ion Ratio Lower Upper

69 100

41 65.1 32.1 96.5

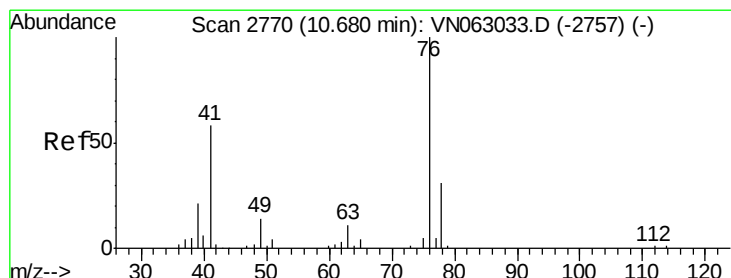
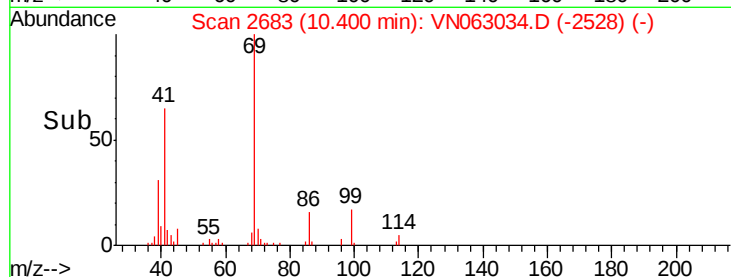
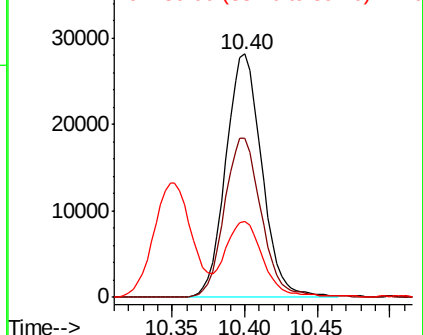
39 30.2 16.1 48.3



Abundance Ion 69.00 (68.70 to 69.70): VN063033.D (-2672) (-)

Ion 41.00 (40.70 to 41.70): VN063033.D (-2672) (-)

Ion 39.00 (38.70 to 39.70): VN063033.D (-2672) (-)



#52

1,3-Dichloropropane

Concen: 20.399 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063034.D

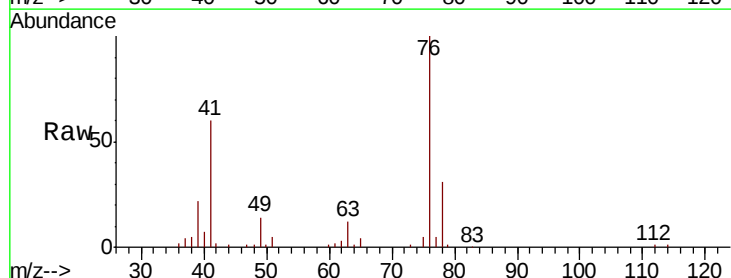
Acq: 20 Aug 2020 13:52

Tgt Ion: 76 Resp: 62953

Ion Ratio Lower Upper

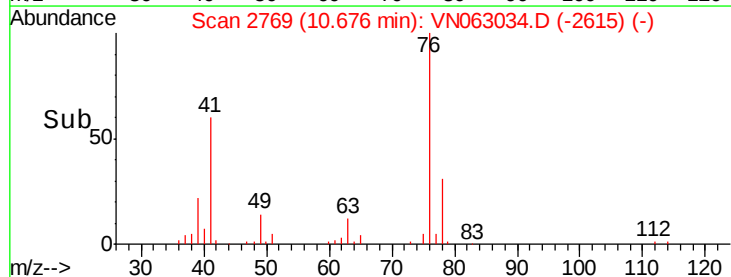
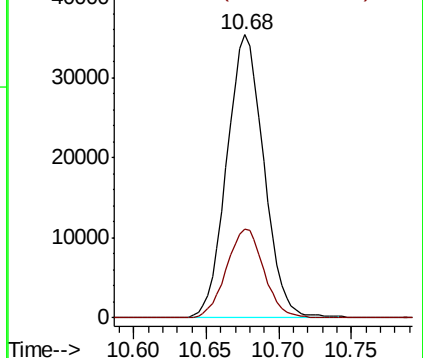
76 100

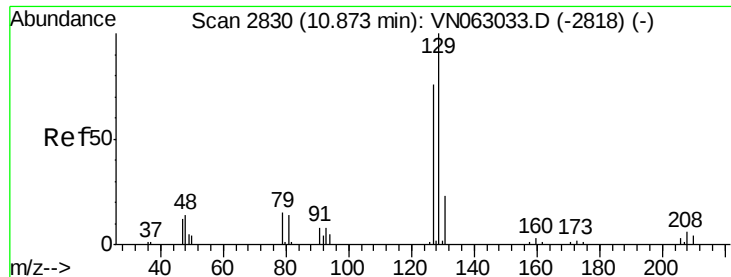
78 31.5 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN063033.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN063033.D (-2757) (-)





#53

Dibromochloromethane

Concen: 20.540 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

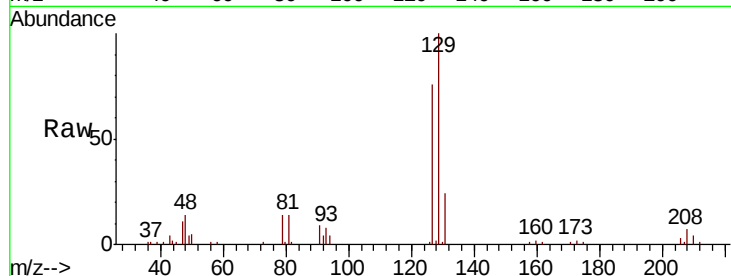
ICVFN082020

Tot Ion:129 Resp: 42103

Ion Ratio Lower Upper

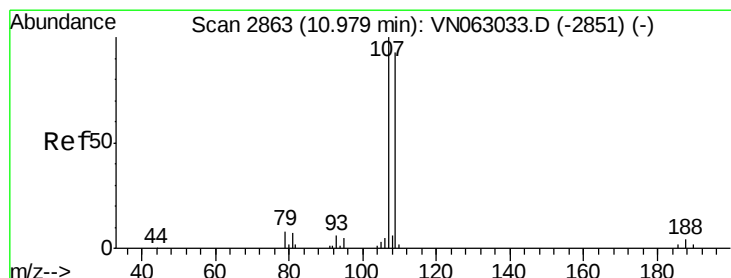
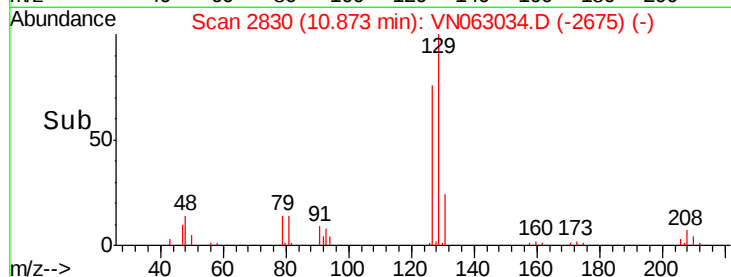
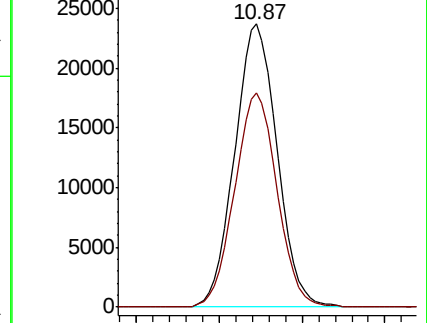
129 100

127 75.6 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.800 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN063034.D

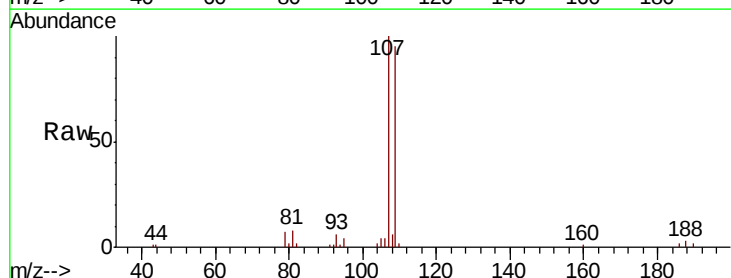
Acq: 20 Aug 2020 13:52

Tgt Ion:107 Resp: 37272

Ion Ratio Lower Upper

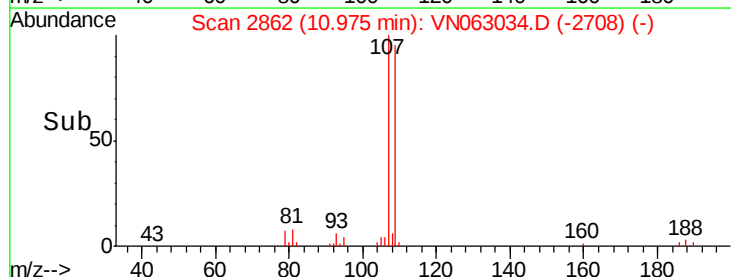
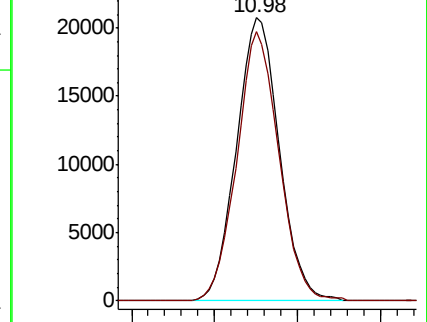
107 100

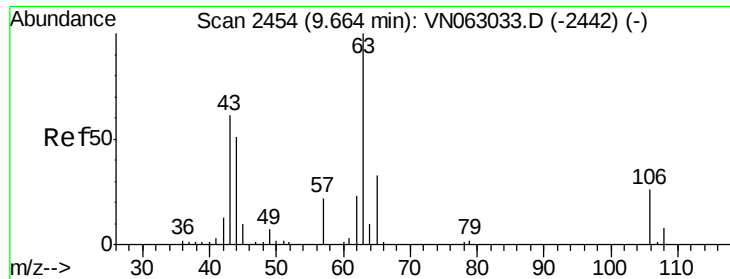
109 93.2 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

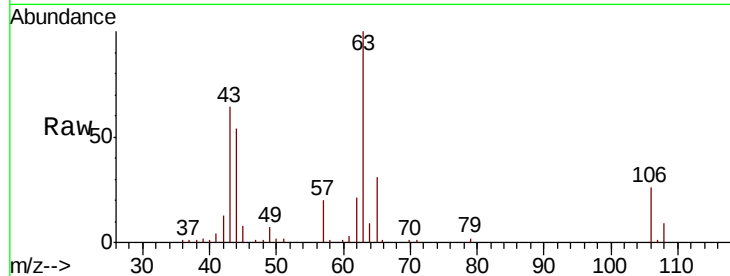




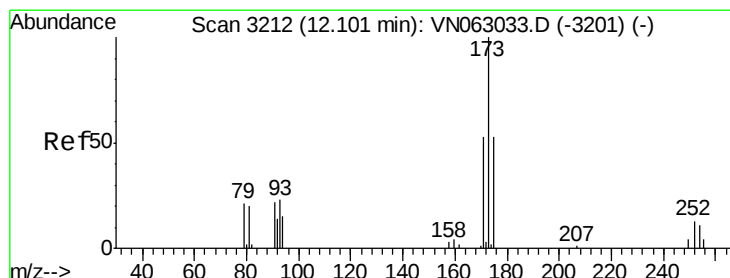
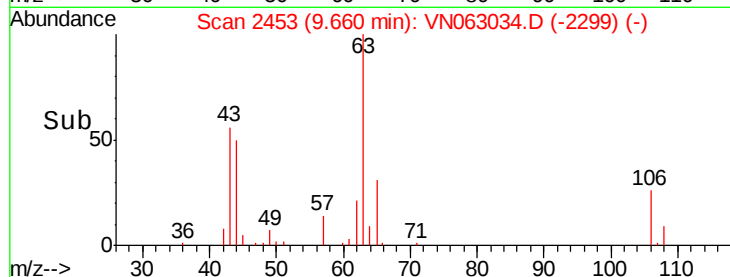
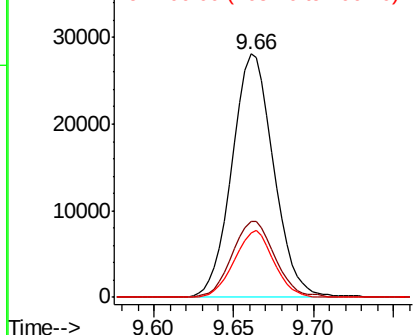
#55
2-Chloroethyl vinyl ether
Concen: 95.542 ug/l
RT: 9.66 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion: 63 Resp: 49874
Ion Ratio Lower Upper
63 100
65 31.8 25.9 38.9
106 25.8 19.9 29.9

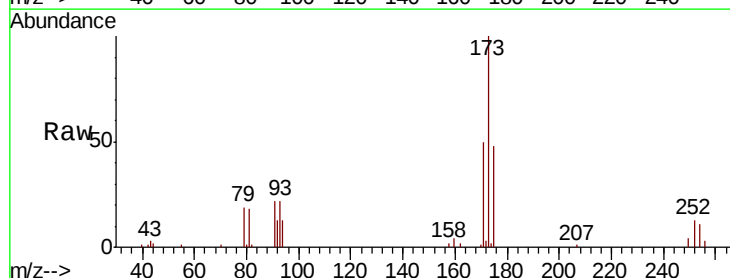


Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0
Ion 106.00 (105.70 to 106.70): VN0

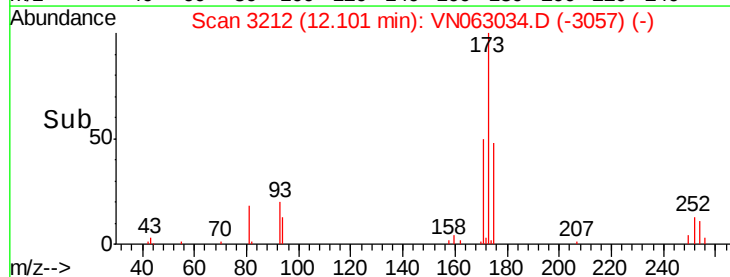
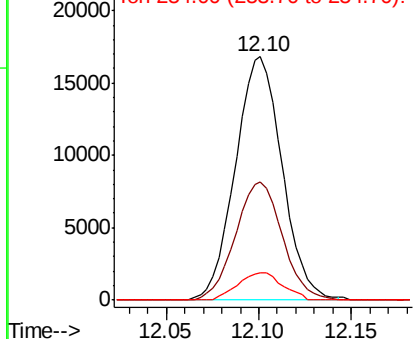


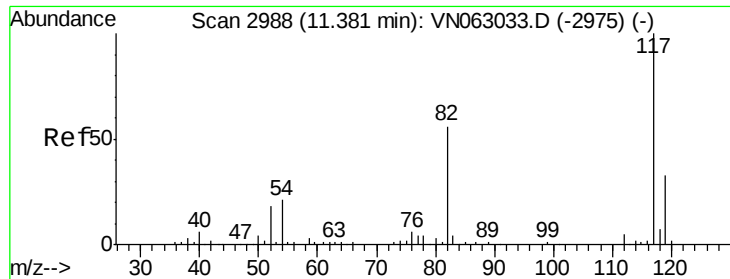
#56
Bromoform
Concen: 19.702 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 173 Resp: 29573
Ion Ratio Lower Upper
173 100
175 48.7 41.2 61.8
254 10.7 9.0 13.4



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

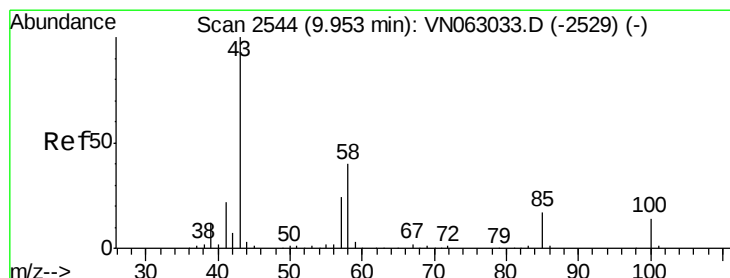
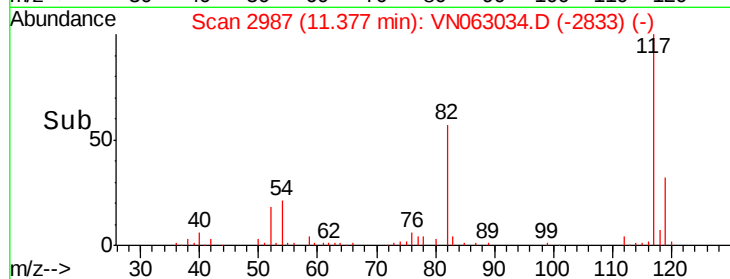
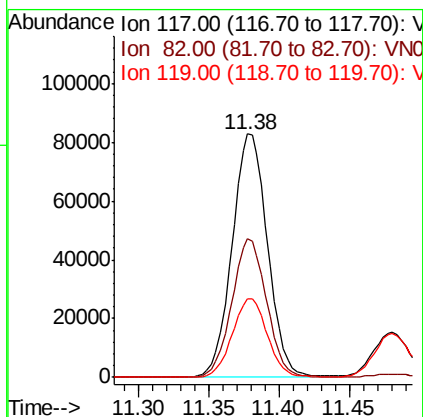
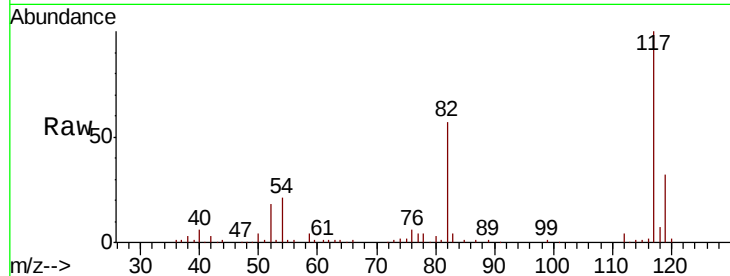




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

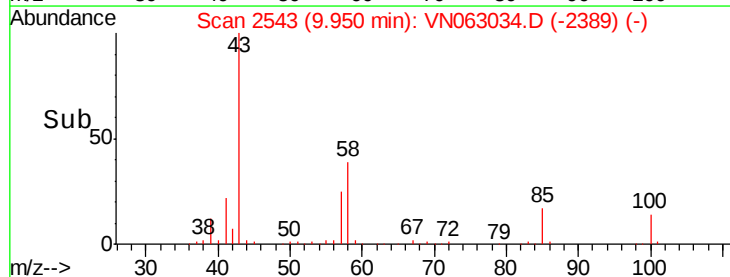
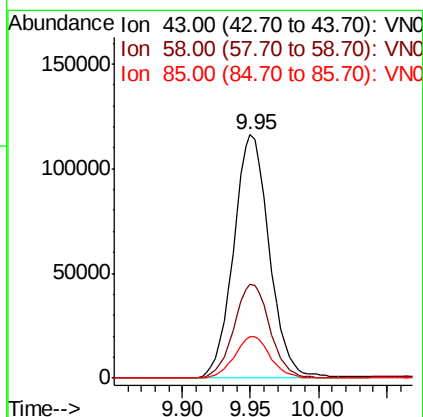
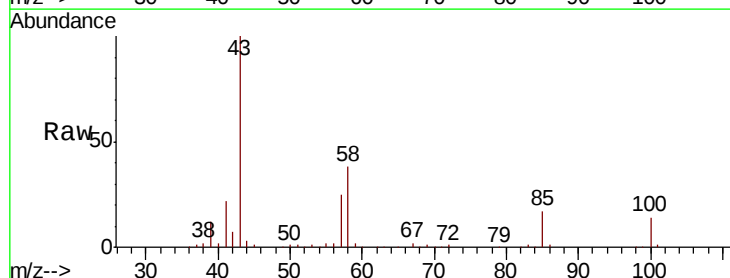
Instrument :
MSVOA_N
ClientSampled :
ICVVN082020

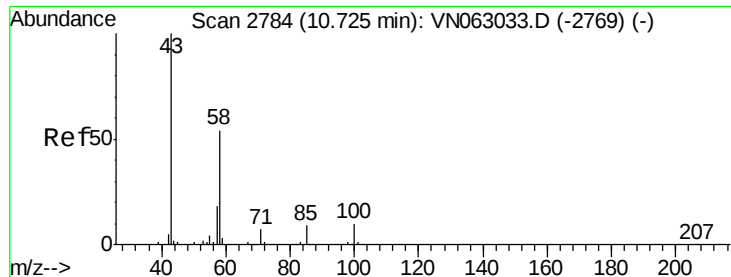
Tot Ion:117 Resp: 145641
Ion Ratio Lower Upper
117 100
82 56.1 44.9 67.3
119 32.0 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 101.000 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 43 Resp: 211607
Ion Ratio Lower Upper
43 100
58 38.9 31.4 47.0
85 16.9 13.4 20.2

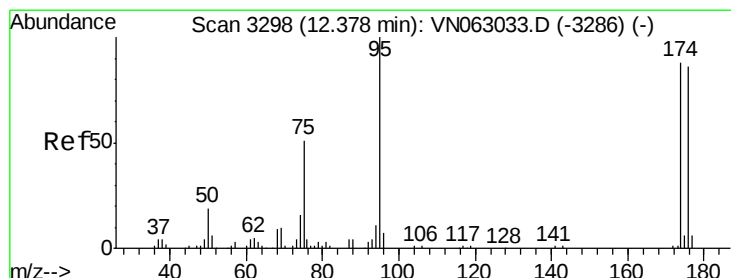
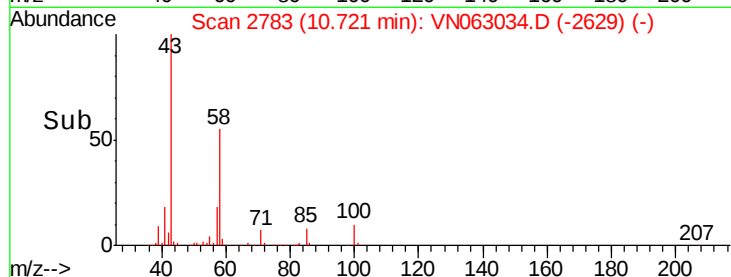
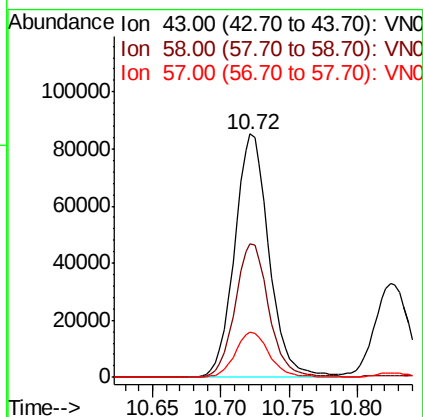
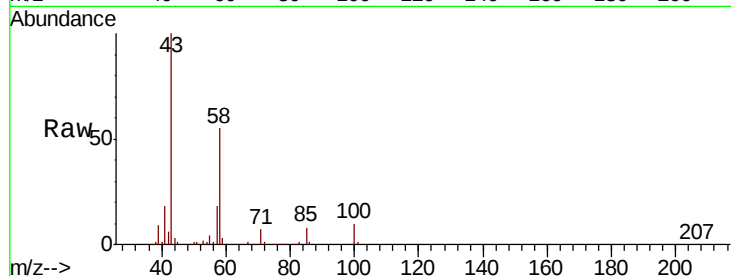




#59
2-Hexanone
Concen: 99.861 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

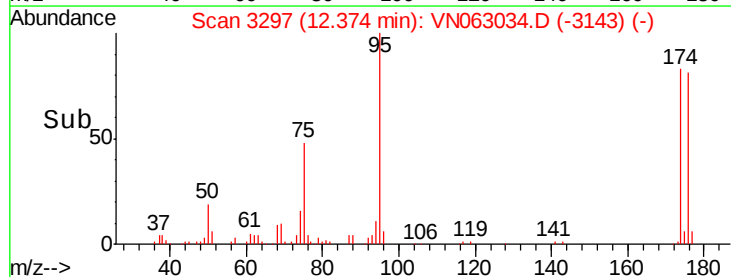
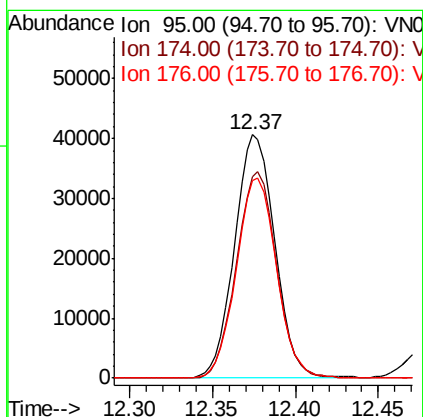
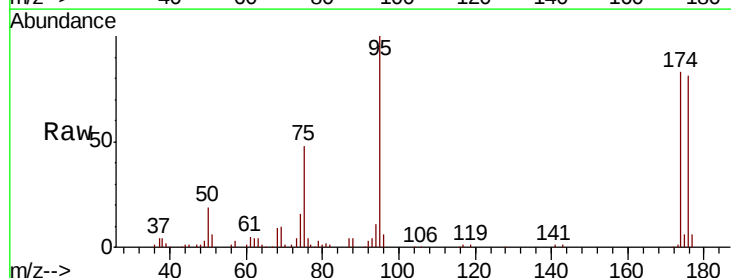
Instrument :
MSVOA_N
ClientSampled :
ICVVN082020

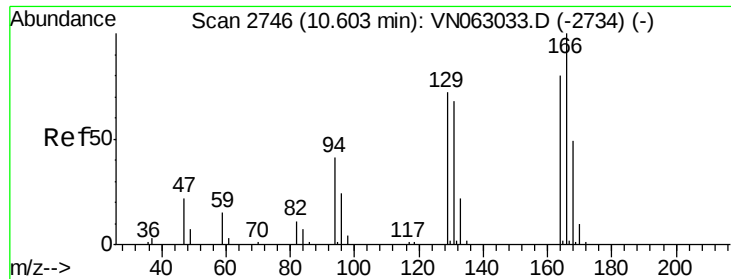
Tot Ion: 43 Resp: 149248
Ion Ratio Lower Upper
43 100
58 54.1 42.6 64.0
57 18.6 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 29.936 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 95 Resp: 68895
Ion Ratio Lower Upper
95 100
174 84.0 70.1 105.1
176 82.0 66.8 100.2





#61

Tetrachloroethene

Concen: 20.520 ug/l

RT: 10.60 min Scan# 2745

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

Tot Ion:164 Resp: 32762

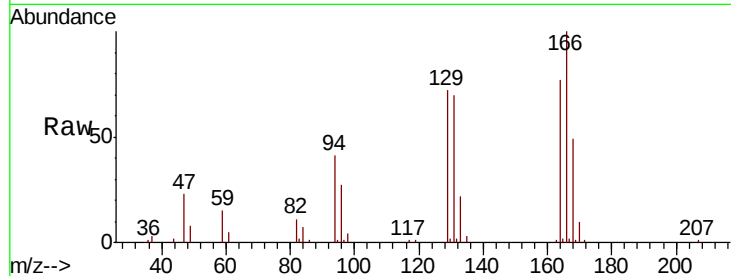
Ion Ratio Lower Upper

164 100

166 129.3 100.1 150.1

129 92.8 72.5 108.7

131 90.2 68.4 102.6

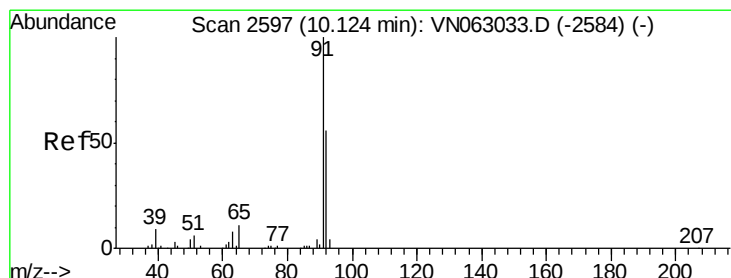
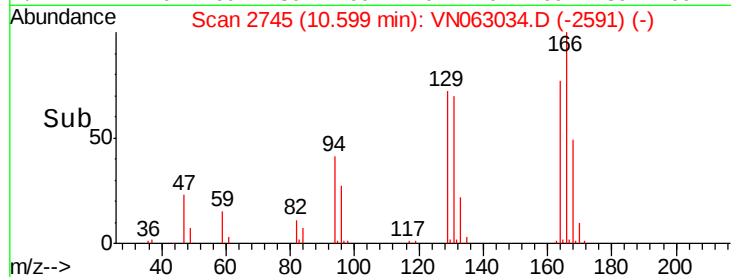
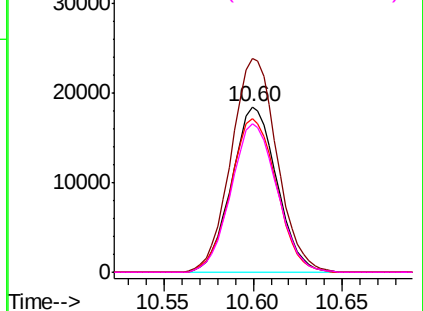


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.917 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063034.D

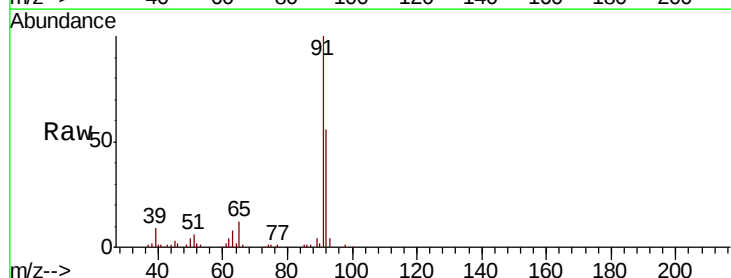
Acq: 20 Aug 2020 13:52

Tgt Ion: 91 Resp: 161451

Ion Ratio Lower Upper

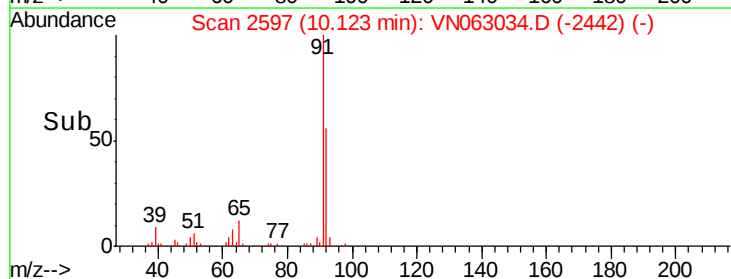
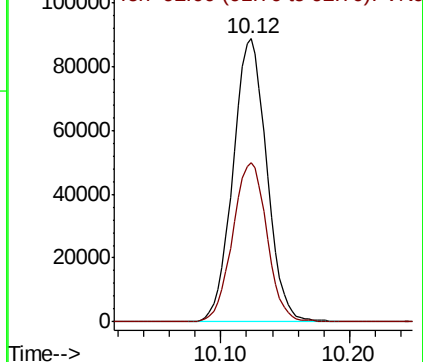
91 100

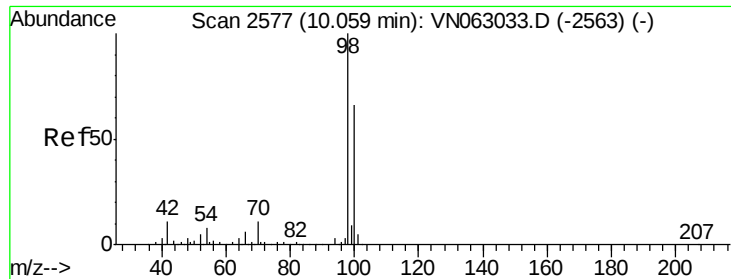
92 57.2 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.219 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

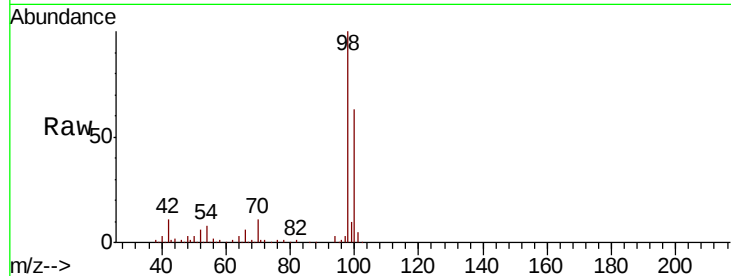
ICVFN082020

Tot Ion: 98 Resp: 201982

Ion Ratio Lower Upper

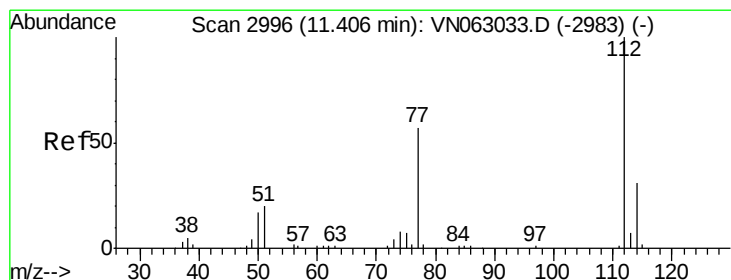
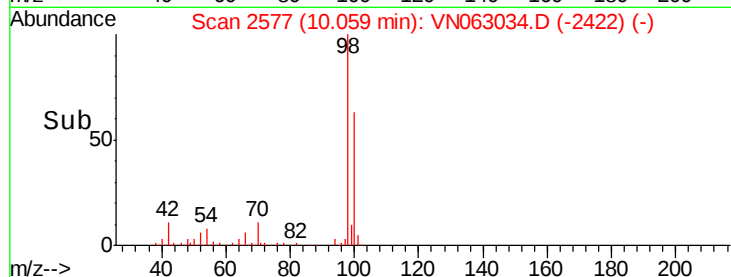
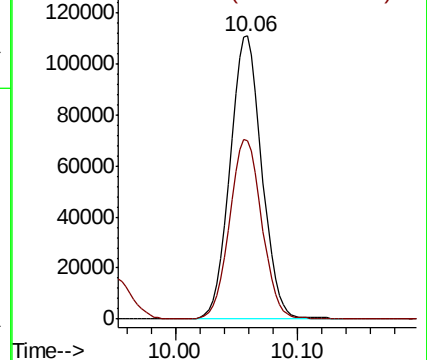
98 100

100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.980 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN063034.D

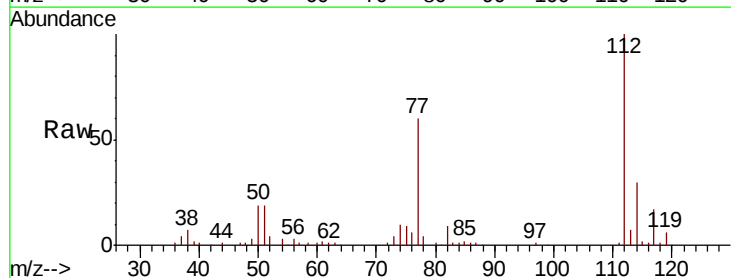
Acq: 20 Aug 2020 13:52

Tgt Ion: 112 Resp: 100205

Ion Ratio Lower Upper

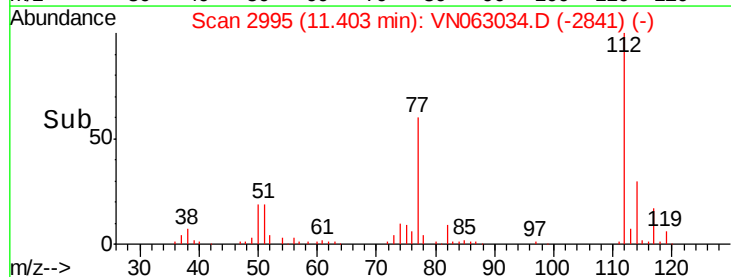
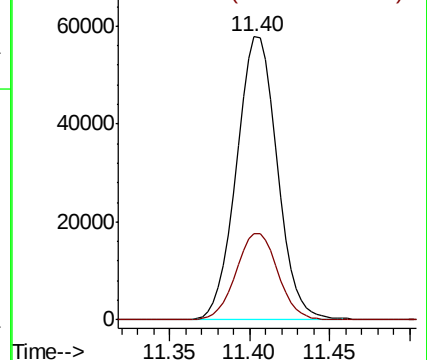
112 100

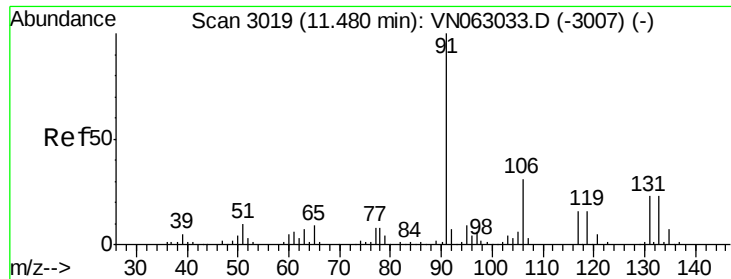
114 30.5 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

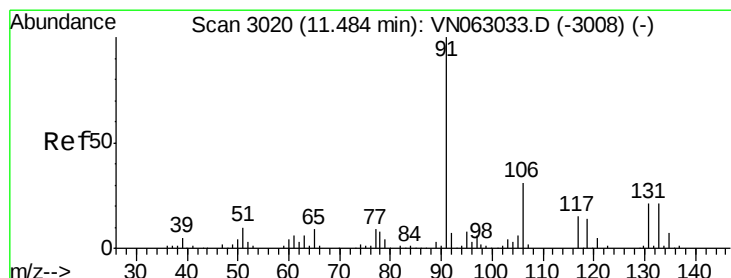
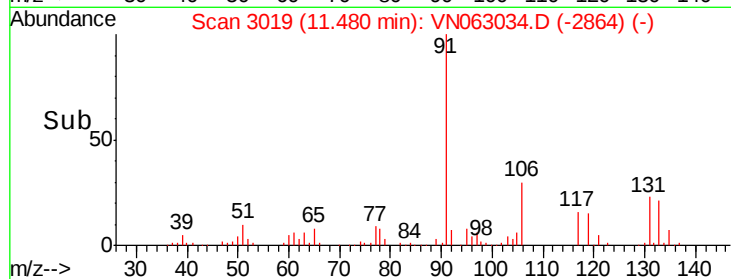
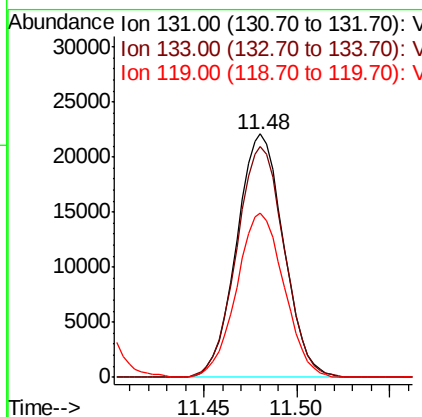
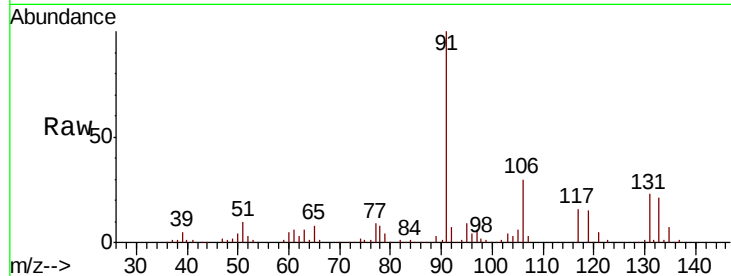




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.513 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

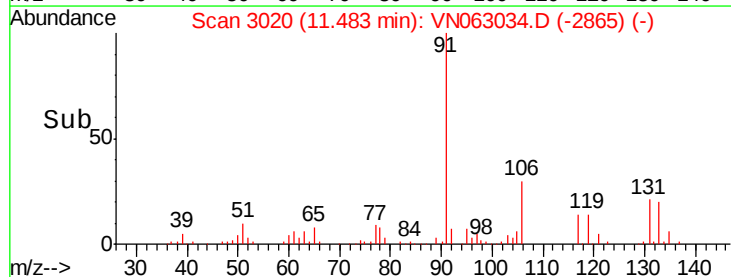
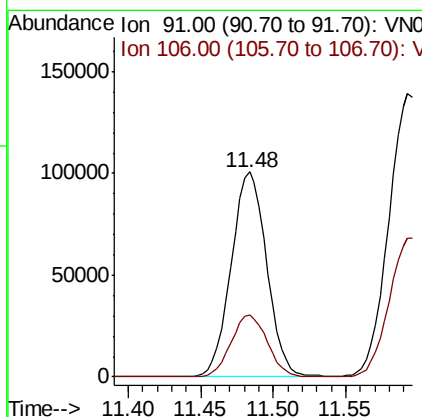
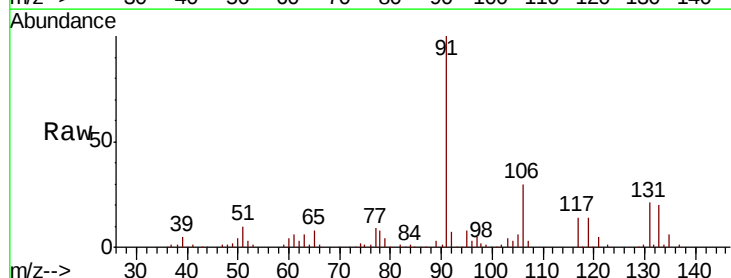
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

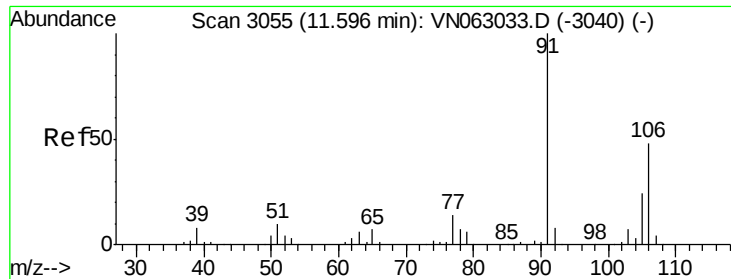
Tot Ion:131 Resp: 38831
 Ion Ratio Lower Upper
 131 100
 133 96.4 0.0 191.2
 119 67.9 0.0 134.2



#66
 Ethyl Benzene
 Concen: 20.392 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 91 Resp: 171579
 Ion Ratio Lower Upper
 91 100
 106 30.2 25.0 37.4

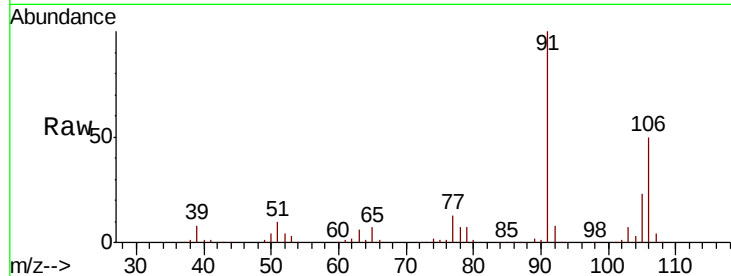




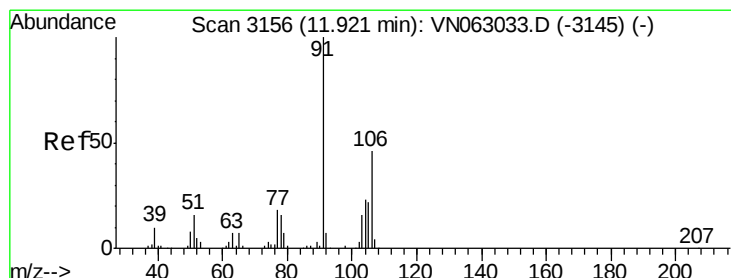
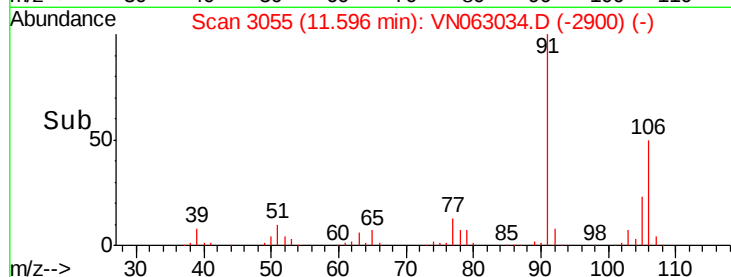
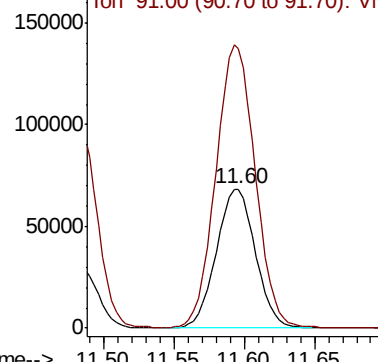
#67
m/p-Xylenes
Concen: 42.108 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion:106 Resp: 132727
Ion Ratio Lower Upper
106 100
91 203.9 164.9 247.3

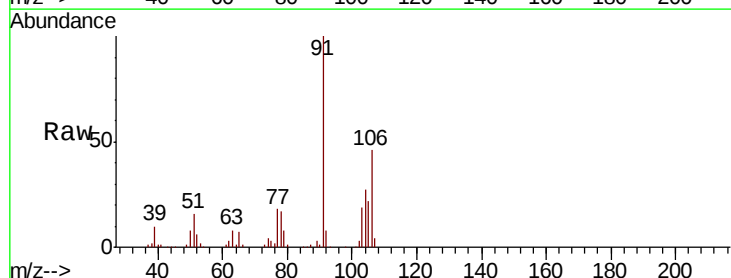


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

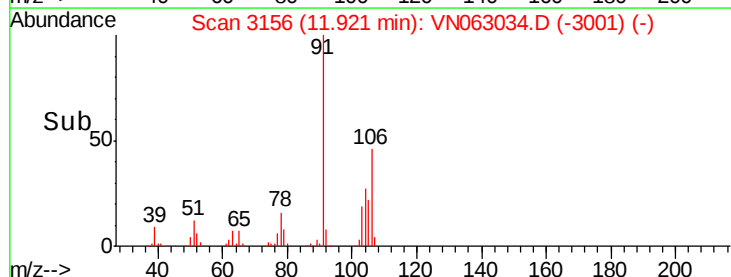
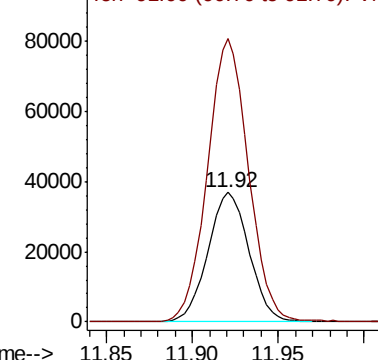


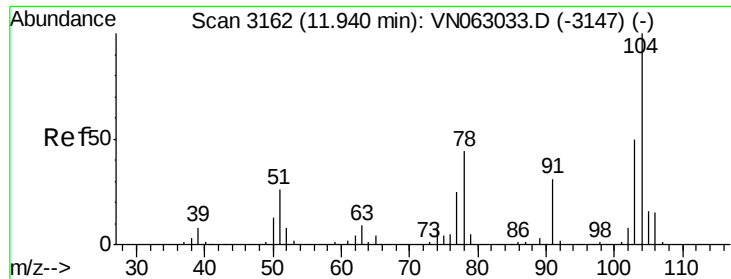
#68
o-Xylene
Concen: 20.248 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion:106 Resp: 61308
Ion Ratio Lower Upper
106 100
91 218.1 108.0 324.0



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

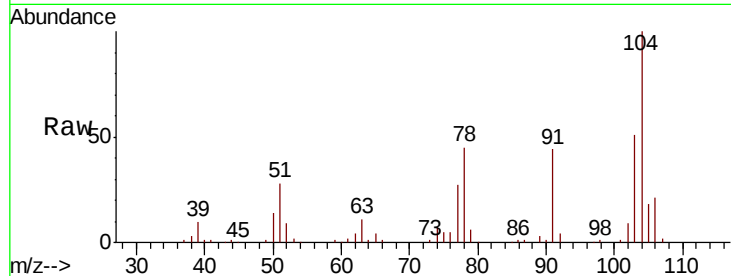




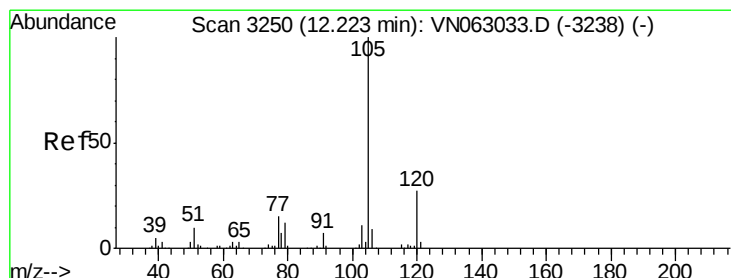
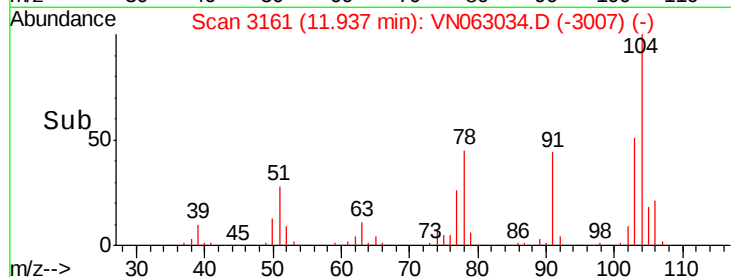
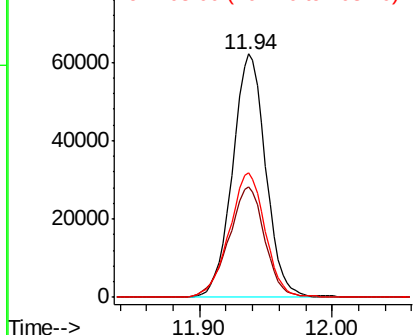
#69
Stvrene
Concen: 20.422 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion:104 Resp: 108016
Ion Ratio Lower Upper
104 100
78 49.2 39.6 59.4
103 55.4 44.4 66.6

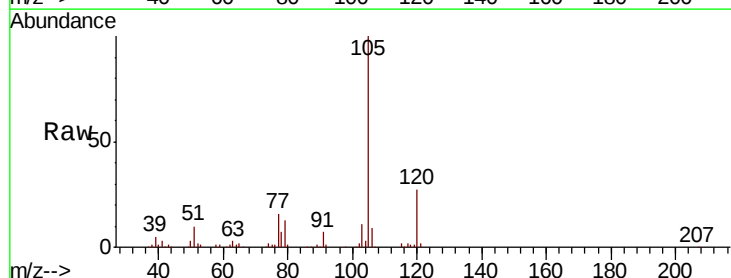


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

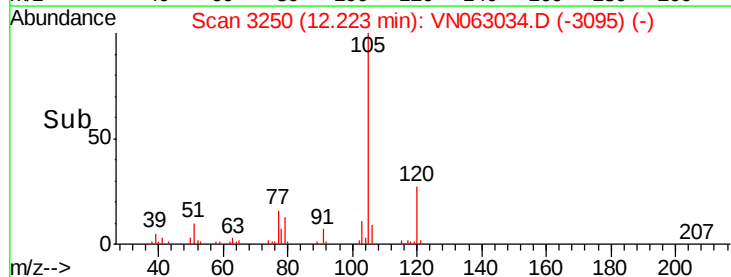
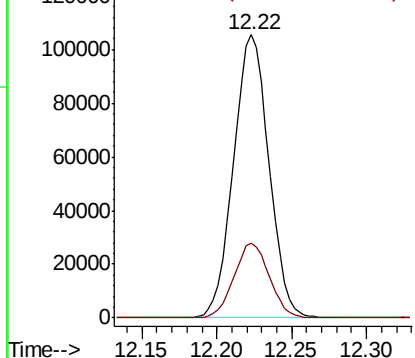


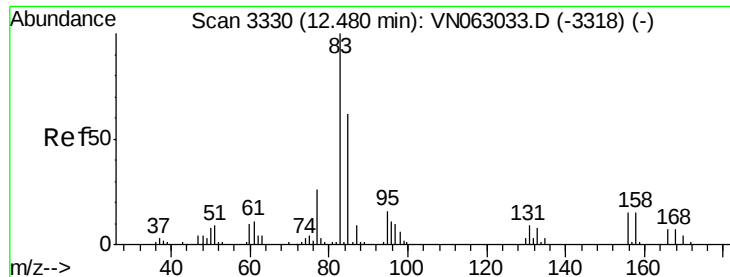
#70
Isopropylbenzene
Concen: 21.142 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion:105 Resp: 174144
Ion Ratio Lower Upper
105 100
120 26.3 18.5 34.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

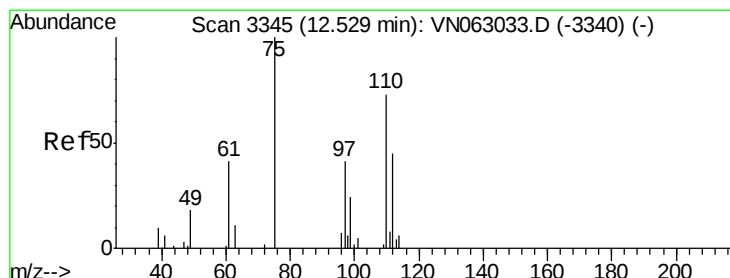
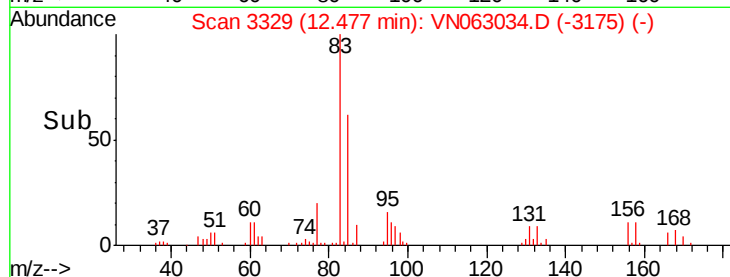
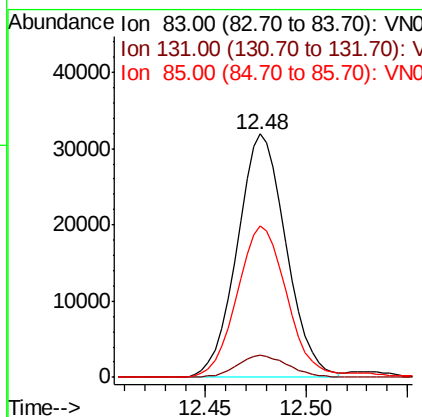
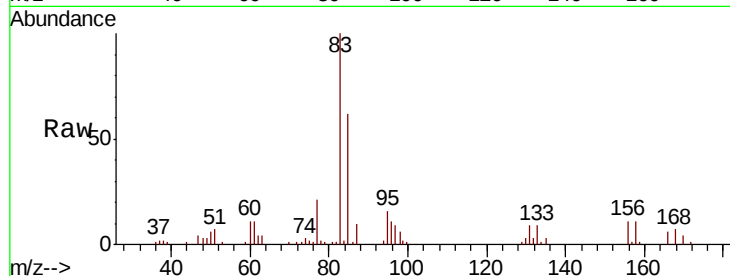




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.460 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

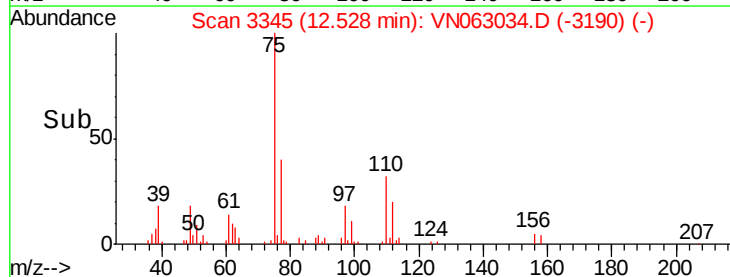
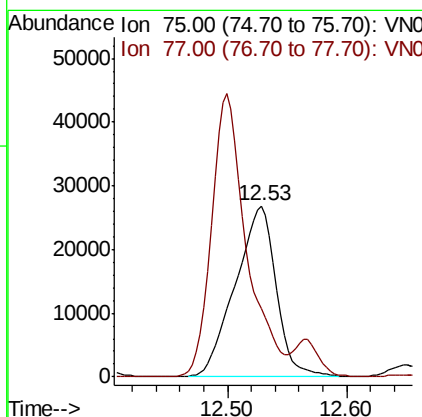
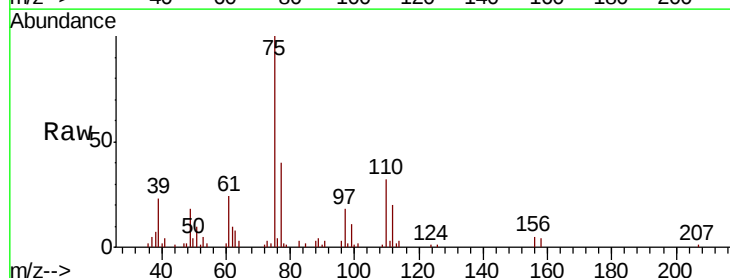
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

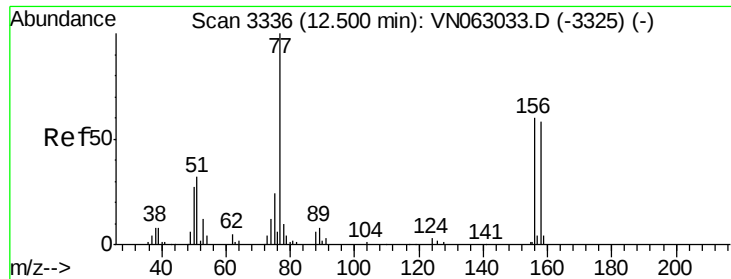
Tot Ion: 83 Resp: 54043
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.5 13.7
 85 63.5 31.8 95.3



#72
 1,2,3-Trichloropropane
 Concen: 27.265 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 75 Resp: 63903
 Ion Ratio Lower Upper
 75 100
 77 140.7 0.0 387.8





#73

Bromobenzene

Concen: 20.285 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

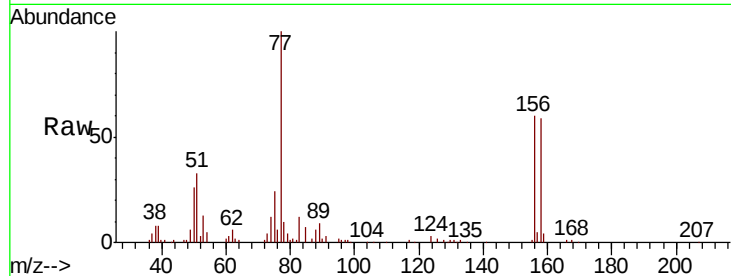
Tot Ion:156 Resp: 45057

Ion Ratio Lower Upper

156 100

77 199.5 0.0 398.6

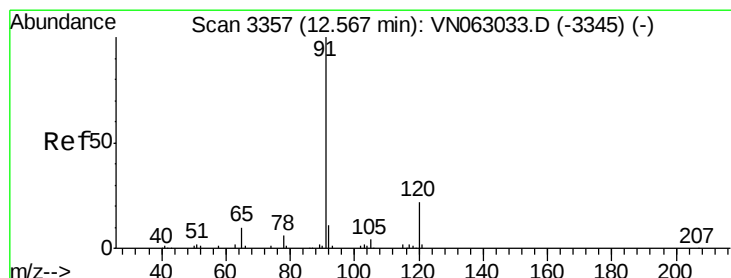
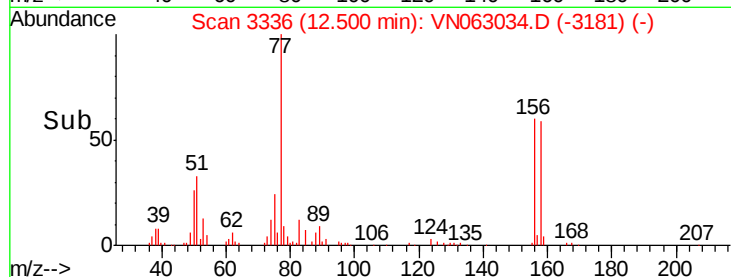
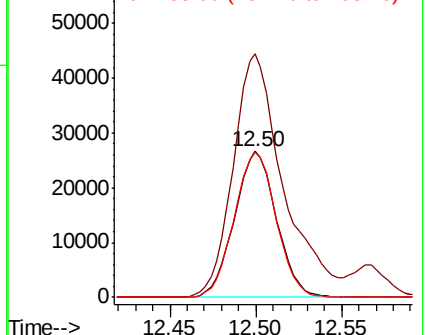
158 99.3 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.800 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN063034.D

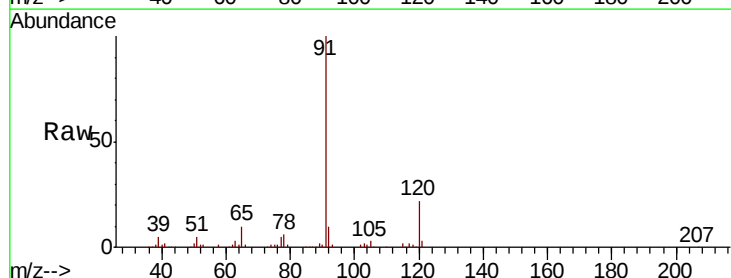
Acq: 20 Aug 2020 13:52

Tgt Ion: 91 Resp: 205517

Ion Ratio Lower Upper

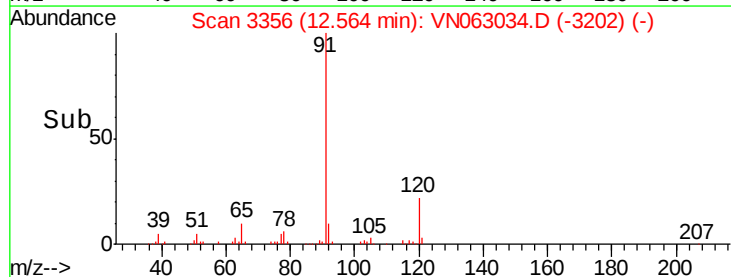
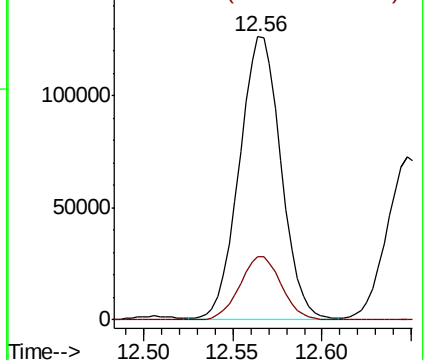
91 100

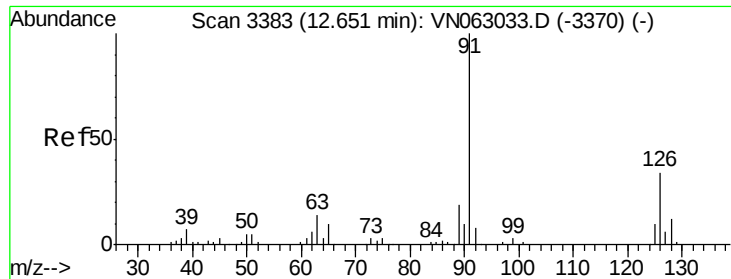
120 22.4 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.661 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

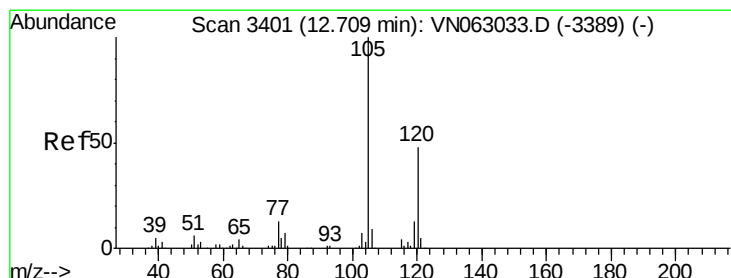
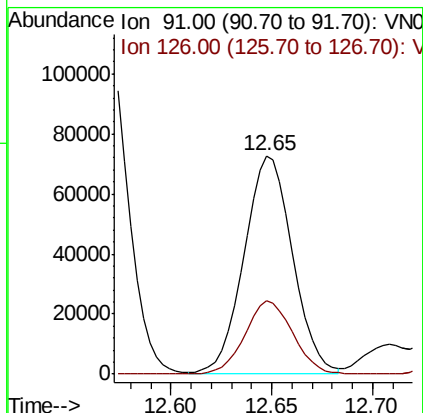
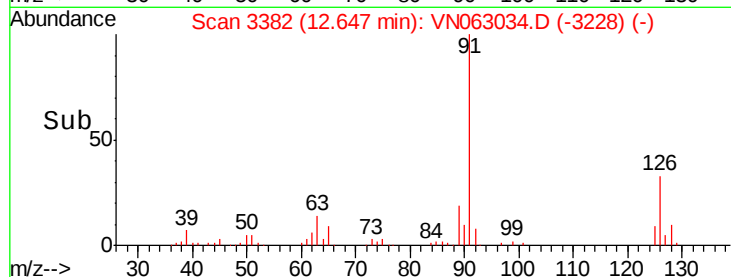
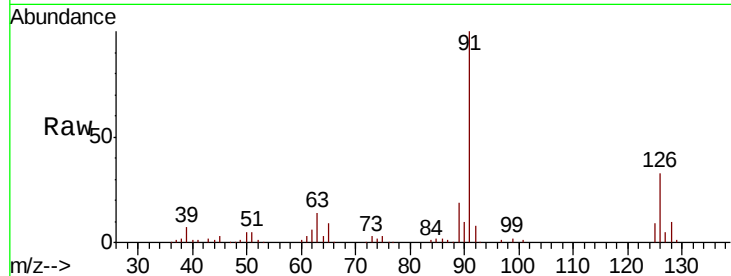
ICVVN082020

Tot Ion: 91 Resp: 121668

Ion Ratio Lower Upper

91 100

126 33.4 0.0 68.0



#76

1,3,5-Trimethylbenzene

Concen: 20.675 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063034.D

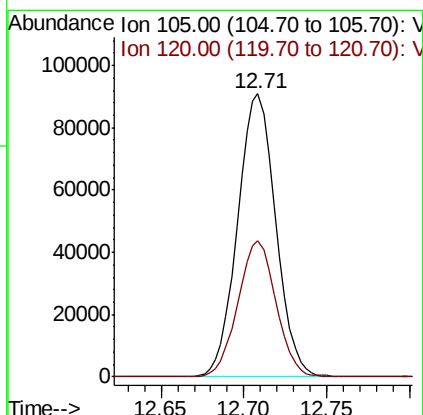
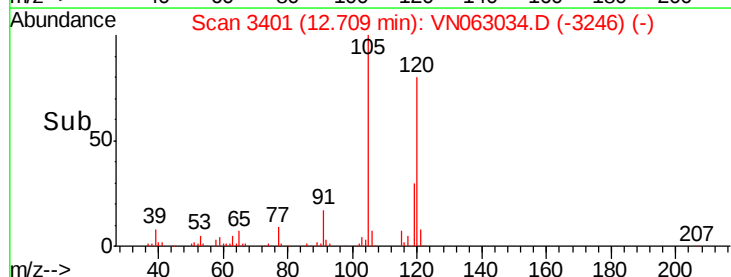
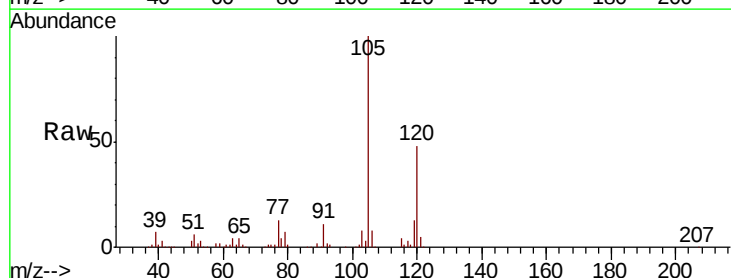
Acq: 20 Aug 2020 13:52

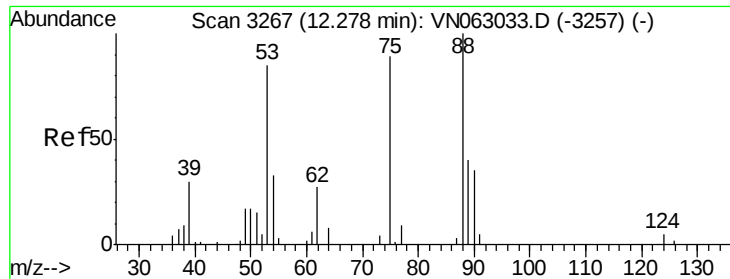
Tgt Ion:105 Resp: 145327

Ion Ratio Lower Upper

105 100

120 48.2 0.0 95.0





#77

t-1,4-Dichloro-2-butene

Concen: 19.426 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

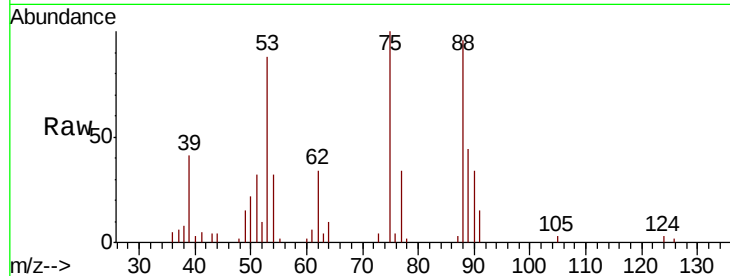
Tot Ion: 75 Resp: 16092

Ion Ratio Lower Upper

75 100

53 88.1 47.0 141.0

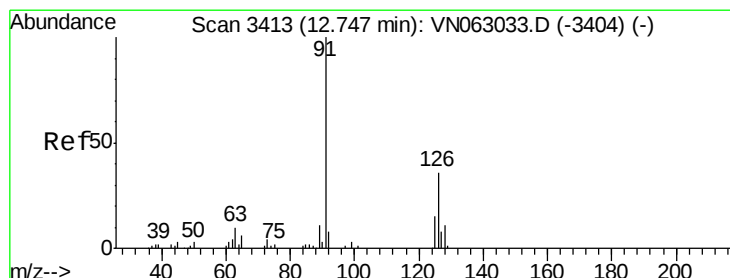
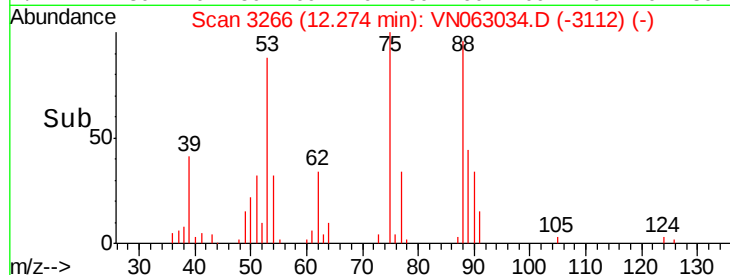
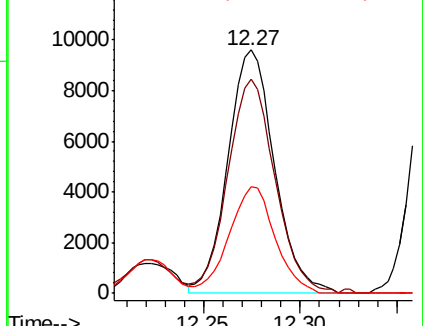
89 43.6 22.9 68.7



Abundance Ion 75.00 (74.70 to 75.70): VN063033.D (-3257) (-)

Ion 53.00 (52.70 to 53.70): VN063033.D (-3257) (-)

Ion 89.00 (88.70 to 89.70): VN063033.D (-3257) (-)



#78

4-Chlorotoluene

Concen: 20.343 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN063034.D

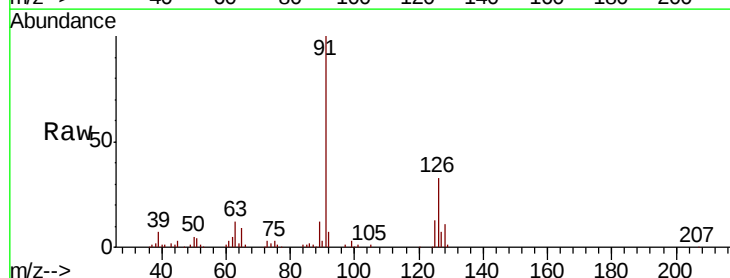
Acq: 20 Aug 2020 13:52

Tgt Ion: 91 Resp: 123508

Ion Ratio Lower Upper

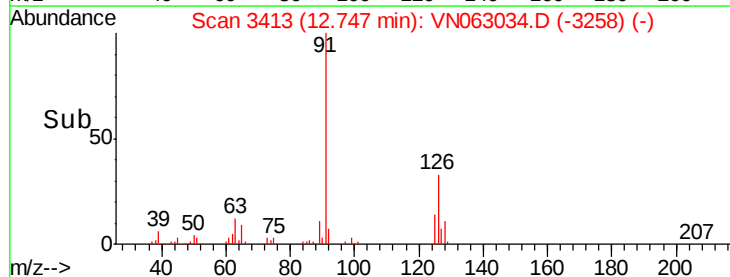
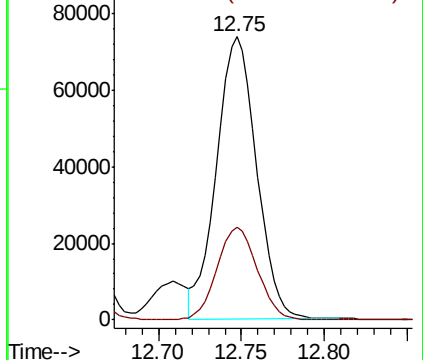
91 100

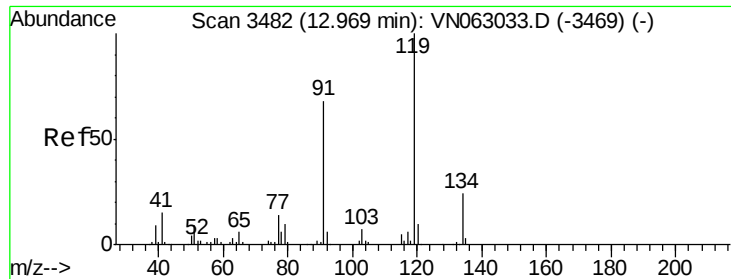
126 33.3 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3404) (-)

Ion 126.00 (125.70 to 126.70): VN063033.D (-3404) (-)

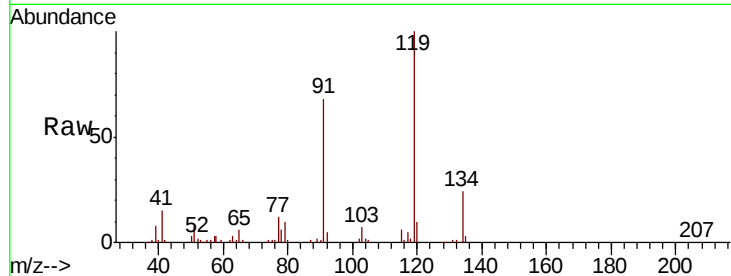




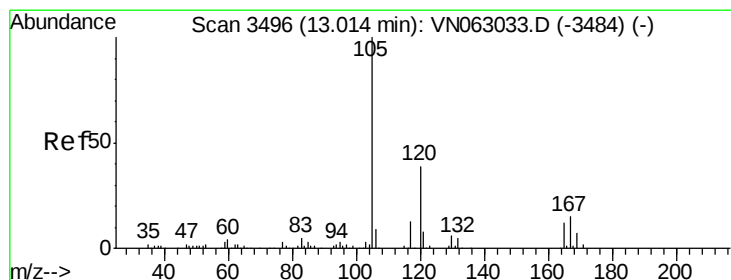
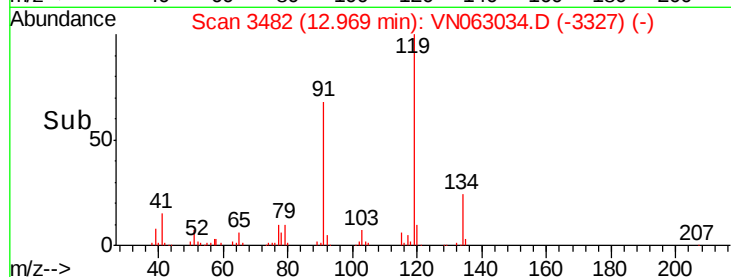
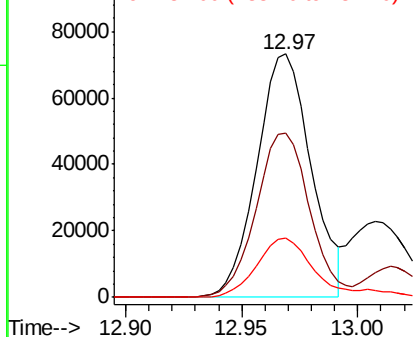
#79
tert-butylbenzene
Concen: 20.193 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

Tot Ion:119 Resp: 119433
Ion Ratio Lower Upper
119 100
91 67.0 0.0 136.8
134 24.7 0.0 48.8

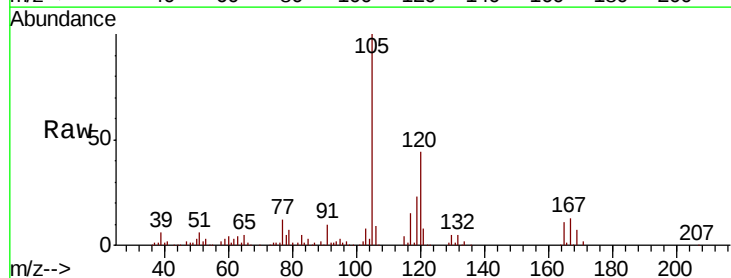


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

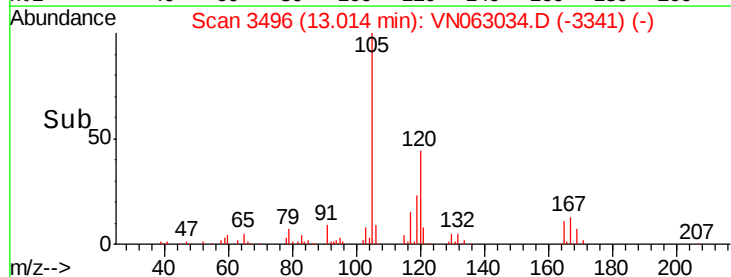
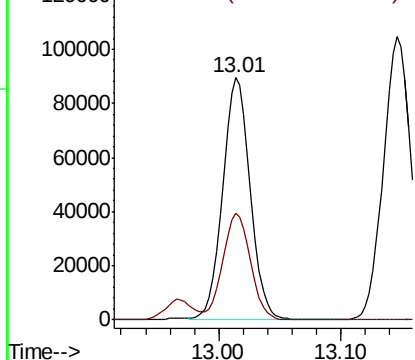


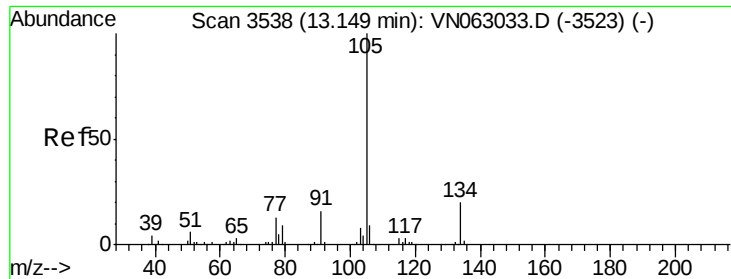
#80
1,2,4-Trimethylbenzene
Concen: 20.756 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion:105 Resp: 142023
Ion Ratio Lower Upper
105 100
120 44.5 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.514 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampled :

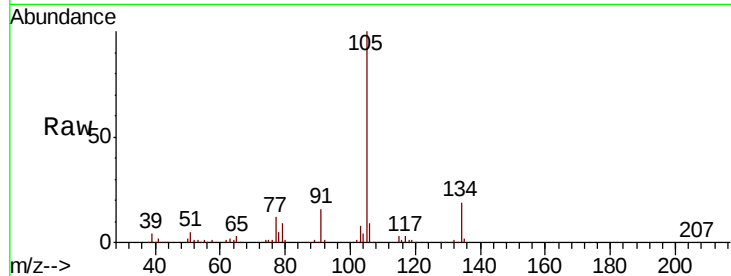
ICVFN082020

Tot Ion:105 Resp: 167132

Ion Ratio Lower Upper

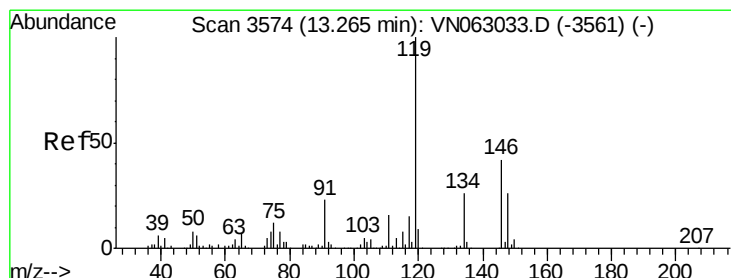
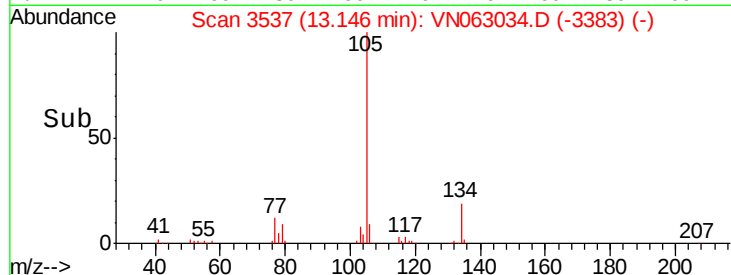
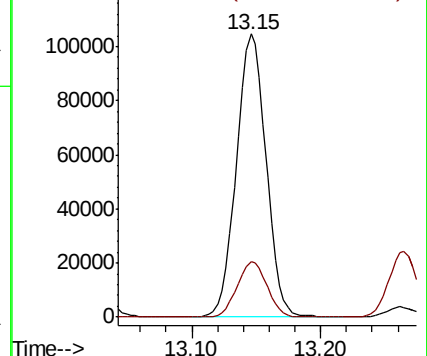
105 100

134 19.6 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.087 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

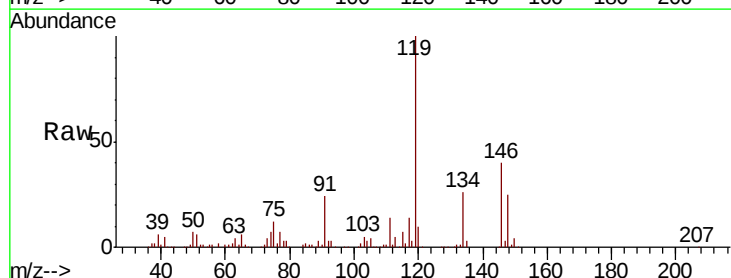
Tgt Ion:119 Resp: 145082

Ion Ratio Lower Upper

119 100

134 25.9 0.0 52.2

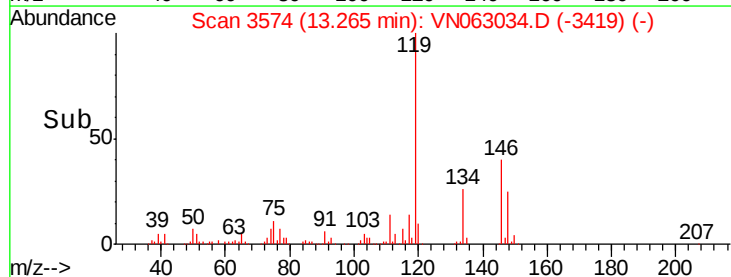
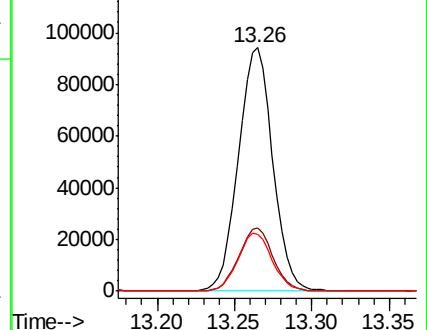
91 23.7 0.0 46.2

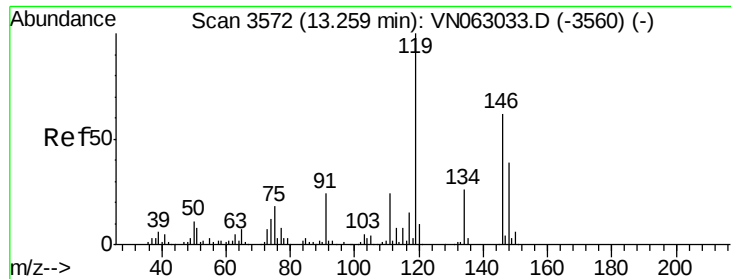


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

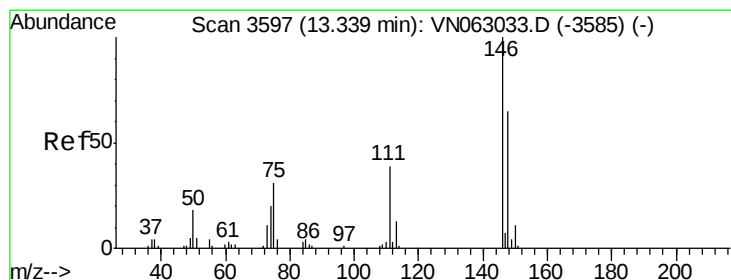
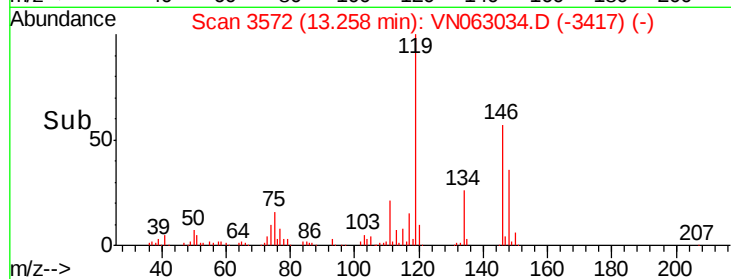
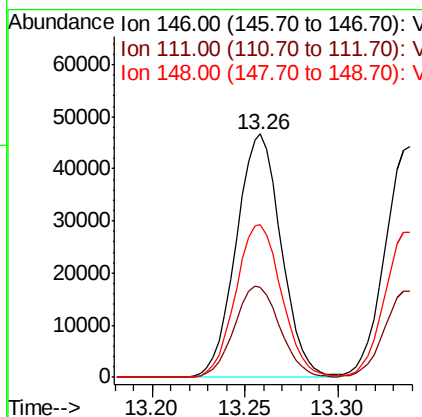
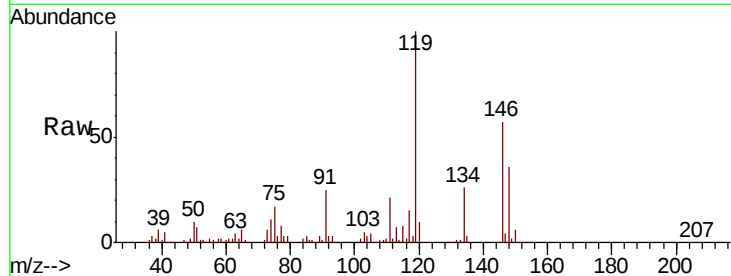




#83
 1,3-Dichlorobenzene
 Concen: 20.277 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

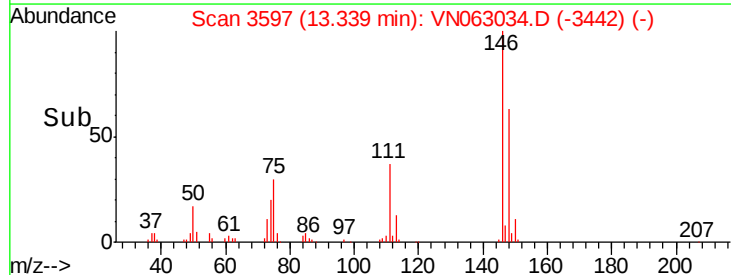
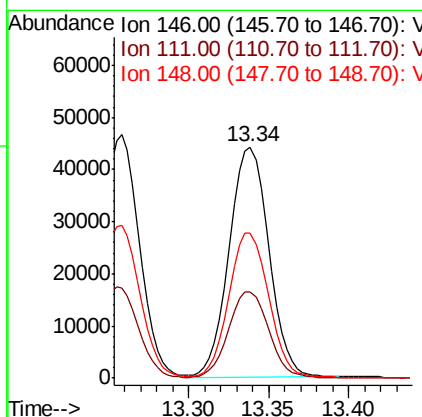
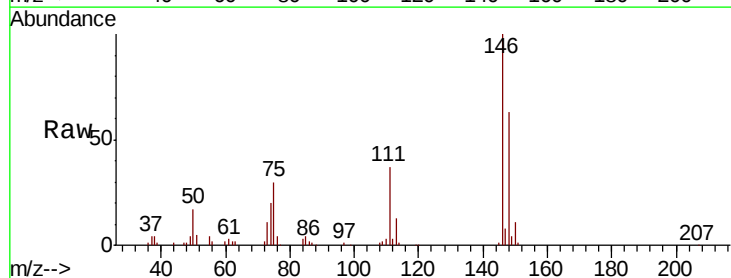
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

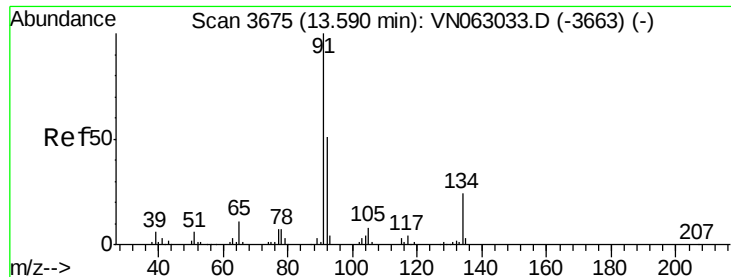
Tot Ion:146 Resp: 78641
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.1
 148 64.1 31.5 94.5



#84
 1,4-Dichlorobenzene
 Concen: 19.672 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion:146 Resp: 74567
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.6 55.8
 148 63.2 31.6 94.8

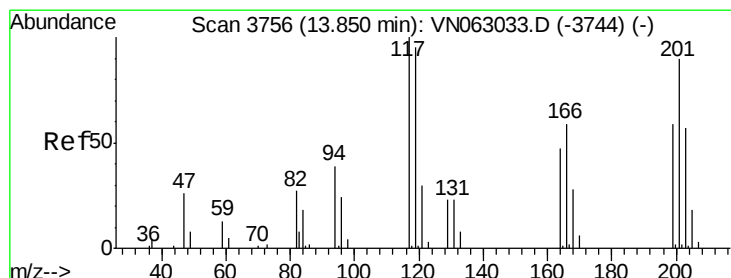
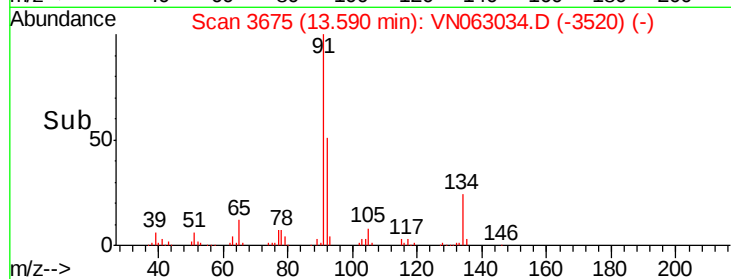
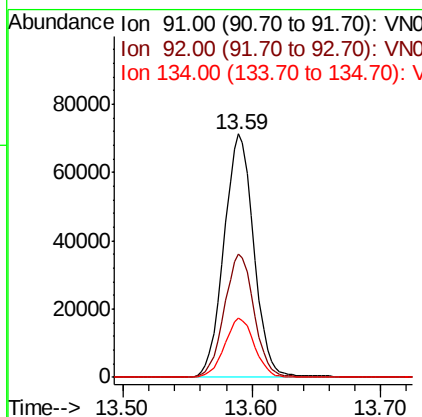
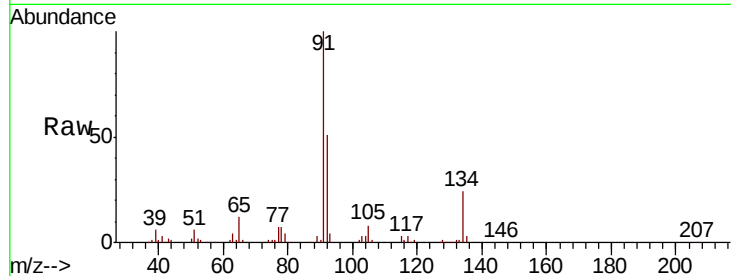




#85
n-Butylbenzene
Concen: 19.067 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

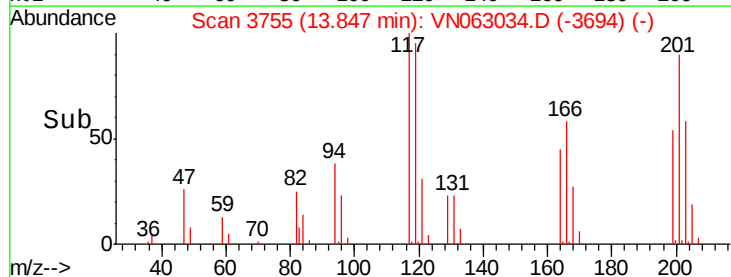
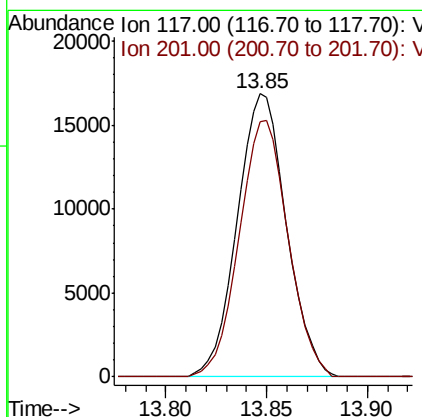
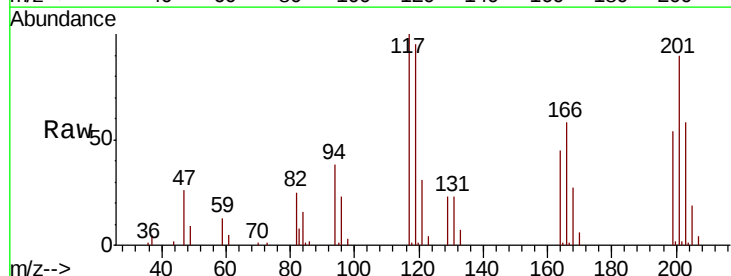
Instrument :
MSVOA_N
ClientSampleId :
ICVVN082020

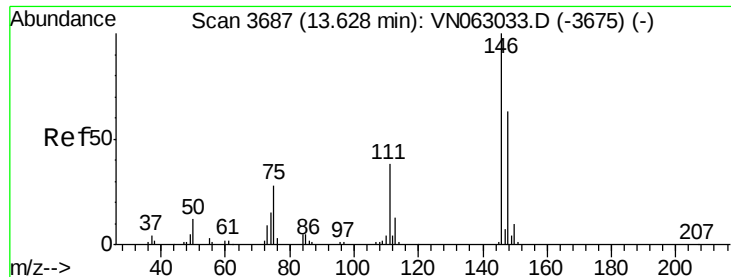
Tot Ion: 91 Resp: 114449
Ion Ratio Lower Upper
91 100
92 50.4 0.0 100.6
134 24.2 0.0 47.4



#86
Hexachloroethane
Concen: 20.244 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063034.D
Acq: 20 Aug 2020 13:52

Tgt Ion: 117 Resp: 28798
Ion Ratio Lower Upper
117 100
201 90.0 46.1 138.3

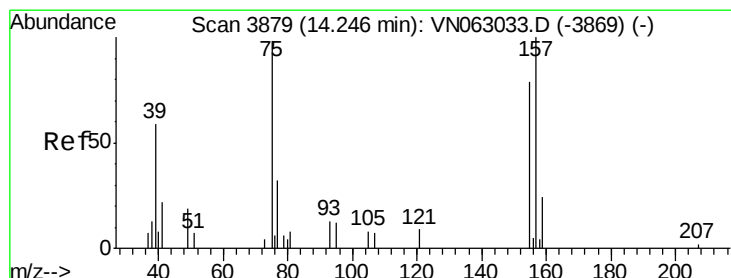
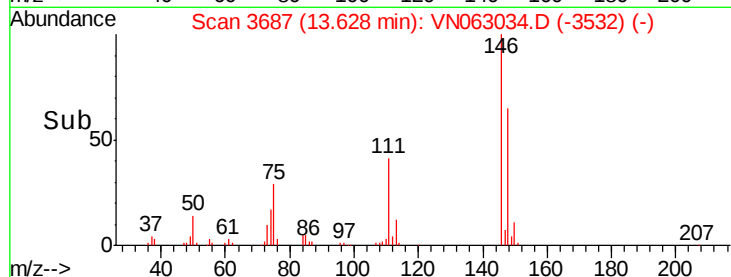
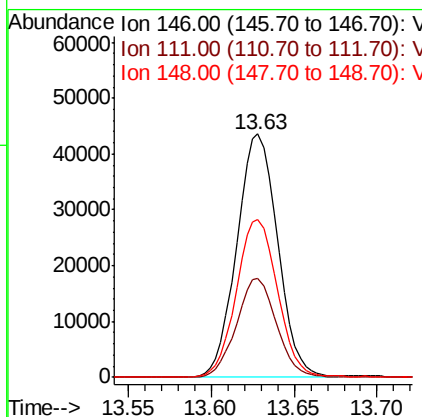
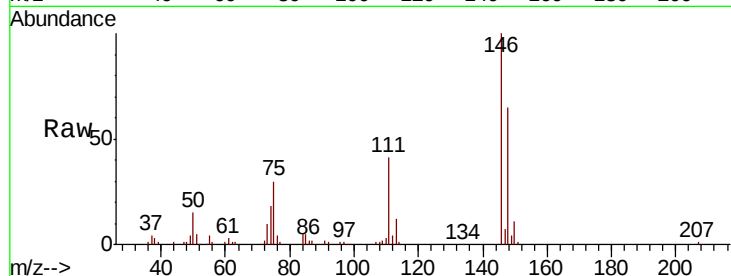




#87
 1,2-Dichlorobenzene
 Concen: 20.201 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

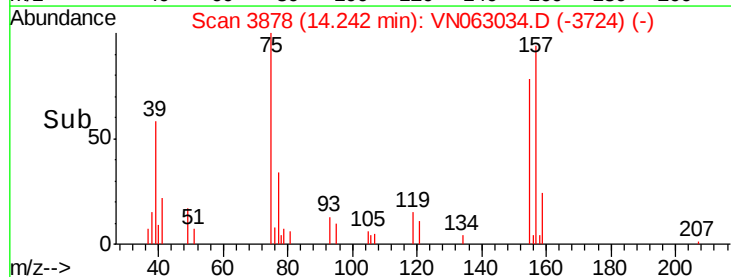
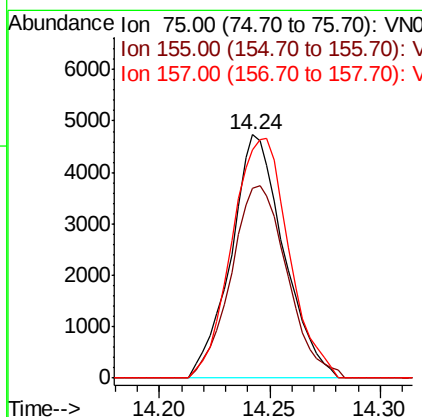
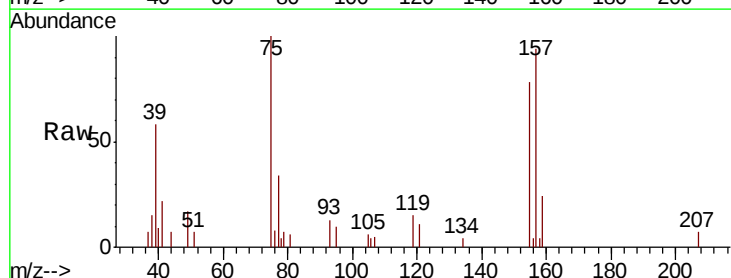
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

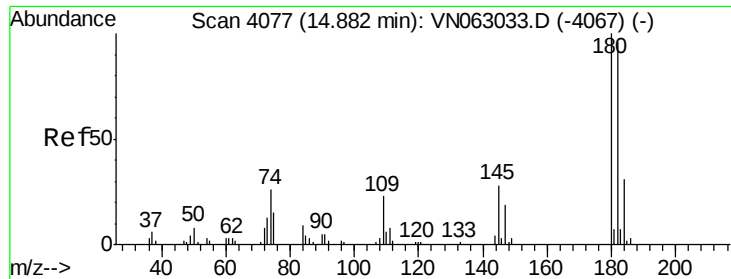
Tot Ion:146 Resp: 75032
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.1 57.3
 148 65.3 31.8 95.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.729 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion: 75 Resp: 7847
 Ion Ratio Lower Upper
 75 100
 155 84.1 64.8 97.2
 157 106.2 81.2 121.8

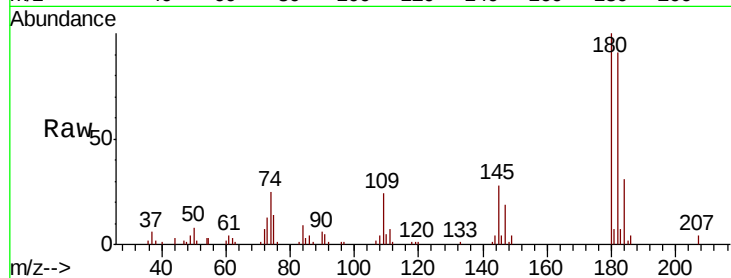




#89
 1,2,4-Trichlorobenzene
 Concen: 18.206 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.9	115.3
145	27.8	21.9	32.9

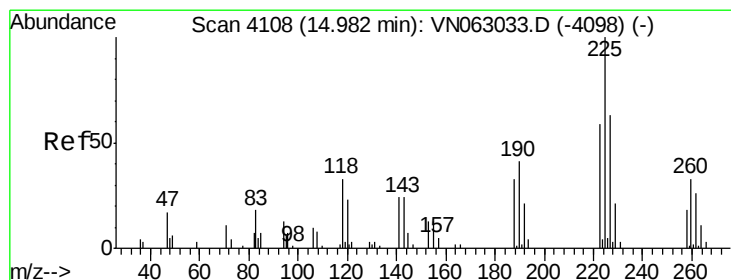
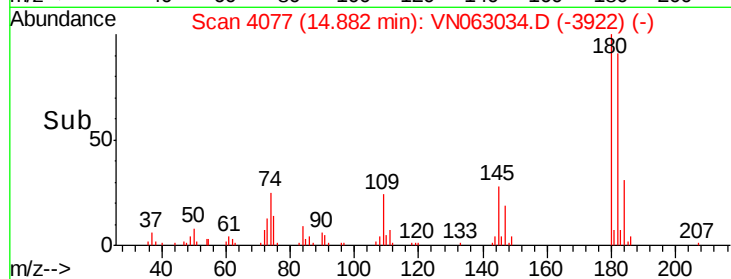
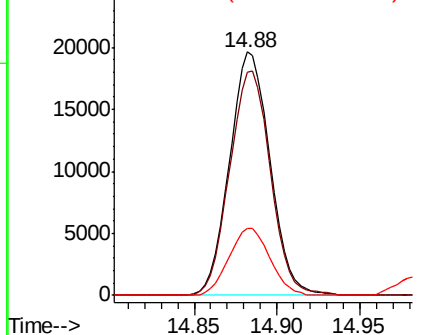


Abundance

Ion 180.00 (179.70 to 180.70): V

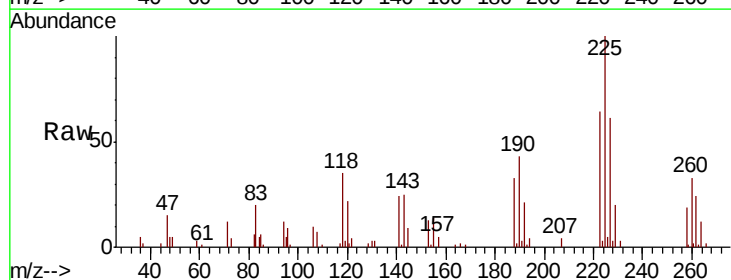
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.751 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063034.D
 Acq: 20 Aug 2020 13:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	122.8
227	62.9	0.0	125.6

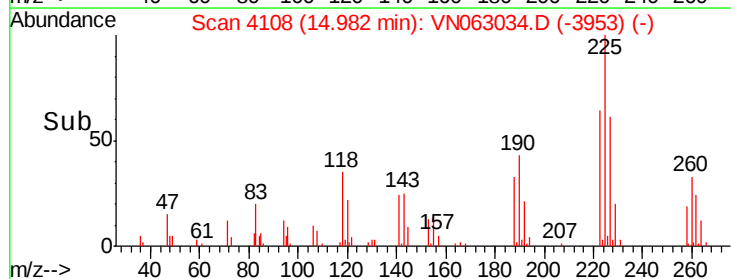
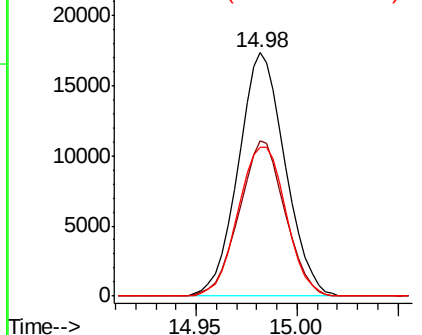


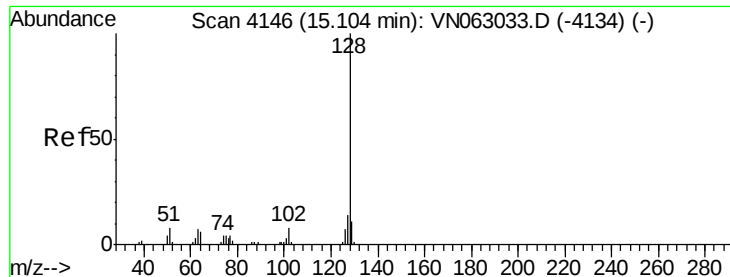
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 16.226 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082020

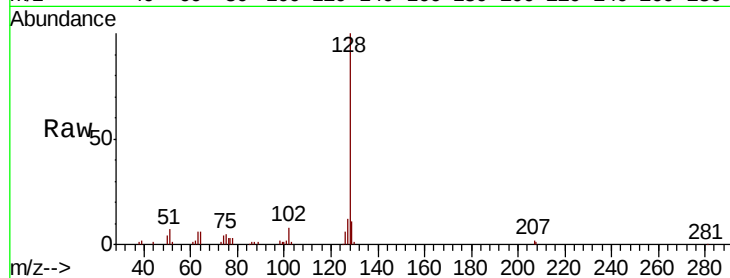
Tot Ion:128 Resp: 65721

Ion Ratio Lower Upper

128 100

127 13.0 11.1 16.7

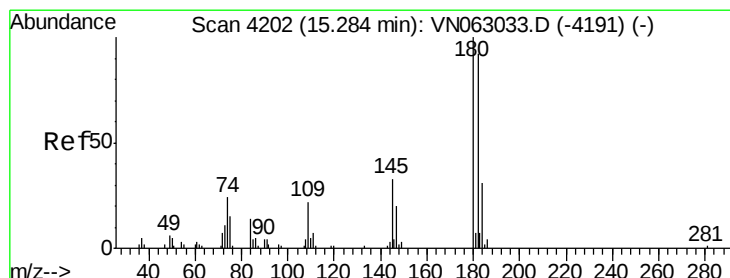
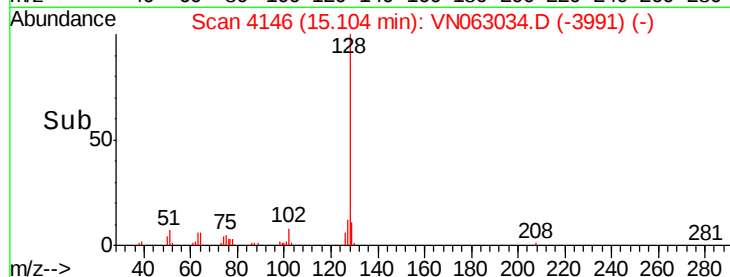
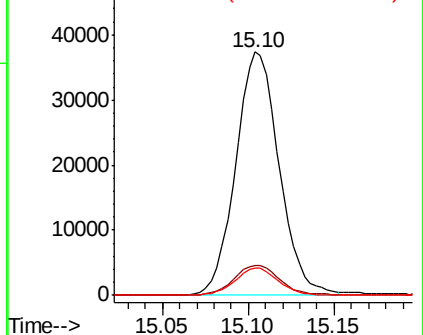
129 11.0 8.4 12.6



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



#92

1,2,3-Trichlorobenzene

Concen: 18.140 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN063034.D

Acq: 20 Aug 2020 13:52

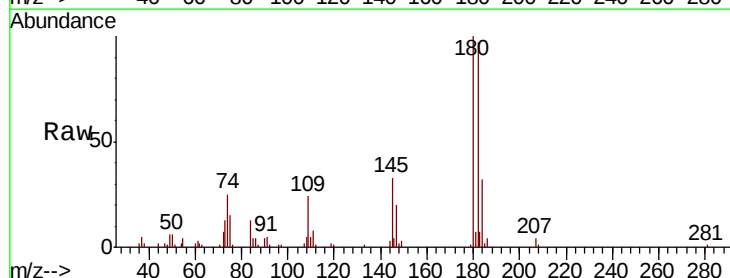
Tgt Ion:180 Resp: 33196

Ion Ratio Lower Upper

180 100

182 95.7 0.0 188.0

145 31.9 0.0 62.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

