

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063075.D
 Acq On : 21 Aug 2020 12:54
 Operator : JC/MD
 Sample : VN0821WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS01

Quant Time: Aug 22 00:51:34 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	31049	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	160948	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	154201	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	66803	30.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.23%
60) 4-Bromofluorobenzene	12.38	95	72540	29.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.23%
63) Toluene-d8	10.06	98	213751	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	46026	20.733	ug/l 99
3) Chloromethane	2.04	50	49689	20.228	ug/l 100
4) Vinyl Chloride	2.16	62	50562	20.447	ug/l 98
5) Bromomethane	2.53	94	30419	19.956	ug/l 94
6) Chloroethane	2.67	64	30339	20.759	ug/l 100
7) Trichlorofluoromethane	2.98	101	60268	20.210	ug/l 95
8) Diethyl Ether	3.37	74	18864	19.020	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	31545	19.564	ug/l 99
10) 1,1-Dichloroethene	3.70	96	27511	18.987	ug/l 98
11) Methyl Iodide	3.91	142	37582	18.905	ug/l 98
12) Methyl Acetate	4.28	43	38807	20.094	ug/l 99
13) Acrolein	3.57	56	17025	86.011	ug/l 97
14) Acrylonitrile	4.93	53	82087	97.068	ug/l 98
15) Acetone	3.78	58	23841	97.410	ug/l 98
16) Carbon Disulfide	4.01	76	71234	18.314	ug/l 100
17) Allyl chloride	4.27	41	50746	19.087	ug/l 95
18) Methylene Chloride	4.50	84	38136	18.812	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	30931	19.414	ug/l 90
20) Diisopropyl ether	5.90	45	124941	20.065	ug/l 96
21) 1,1-Dichloroethane	5.80	63	67548	19.766	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	38569	19.534	ug/l 99
23) tert-Butyl Alcohol	4.73	59	24119	87.057	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	102065	19.202	ug/l 100
25) Chloroform	7.33	83	68072	20.001	ug/l 99
26) Cyclohexane	7.61	56	54773	18.618	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	44435	19.011	ug/l 99
30) 2-Butanone	6.79	43	102736	94.303	ug/l 99
31) 2,2-Dichloropropane	6.77	77	54961	19.345	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	55573	19.741	ug/l 100
33) Carbon Tetrachloride	7.73	117	46847	19.542	ug/l 99
34) Benzene	8.00	78	145171	19.381	ug/l 98
35) Methacrylonitrile	7.12	41	18582	17.946	ug/l 96
36) 1,2-Dichloroethane	8.09	62	49627	19.420	ug/l 100
37) Trichloroethene	8.80	130	35392	19.294	ug/l 98
38) Methylcyclohexane	9.05	83	53243	18.161	ug/l 100
39) 1,2-Dichloropropane	9.09	63	43031	19.739	ug/l 99
40) Dibromomethane	9.18	93	24640	19.468	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	54148	19.305	ug/l	99
42) Vinyl Acetate	5.84	43	379220	91.888	ug/l	100
43) Ethyl Acetate	6.89	43	40114	19.291	ug/l	99
44) Isopropyl Acetate	8.12	43	66826	19.144	ug/l	99
45) 1,4-Dioxane	9.17	88	11139	340.705	ug/l	98
46) Methyl methacrylate	9.17	41	31329	18.229	ug/l	98
47) n-amyl Acetate	12.05	43	54042	17.443	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	56366	19.028	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	62430	19.362	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	37769	19.354	ug/l	99
51) Ethyl methacrylate	10.40	69	49689	18.715	ug/l	99
52) 1,3-Dichloropropane	10.68	76	62797	19.477	ug/l	98
53) Dibromochloromethane	10.87	129	41655	19.451	ug/l	100
54) 1,2-Dibromoethane	10.98	107	36320	19.401	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	51685	94.770	ug/l	99
56) Bromoform	12.10	173	29727	18.956	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	215545	97.169	ug/l	100
59) 2-Hexanone	10.72	43	146506	92.585	ug/l	99
61) Tetrachloroethene	10.60	164	32634	19.305	ug/l	98
62) Toluene	10.12	91	157321	19.250	ug/l	99
64) Chlorobenzene	11.40	112	97962	19.372	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	39033	19.475	ug/l	99
66) Ethyl Benzene	11.48	91	164221	18.434	ug/l	98
67) m/p-Xylenes	11.60	106	125042	37.468	ug/l	99
68) o-Xylene	11.92	106	59675	18.615	ug/l	100
69) Styrene	11.94	104	105632	18.862	ug/l	99
70) Isopropylbenzene	12.22	105	164907	18.909	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	53504	19.131	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	64359	25.935	ug/l	63
73) Bromobenzene	12.50	156	44474	18.911	ug/l	99
74) n-propylbenzene	12.57	91	194950	18.636	ug/l	100
75) 2-Chlorotoluene	12.65	91	117655	18.870	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	139457	18.738	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	15651	17.845	ug/l	97
78) 4-Chlorotoluene	12.75	91	119780	18.633	ug/l	100
79) tert-butylbenzene	12.97	119	115172	18.392	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	130412	18.001	ug/l	100
81) sec-Butylbenzene	13.15	105	158918	18.423	ug/l	100
82) p-Isopropyltoluene	13.26	119	136142	17.803	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	75504	18.388	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	73878	18.408	ug/l	99
85) n-Butylbenzene	13.59	91	102538	16.135	ug/l	100
86) Hexachloroethane	13.85	117	28598	18.987	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	72290	18.382	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7951	17.924	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	29507	15.204	ug/l	99
90) Hexachlorobutadiene	14.98	225	25343	17.642	ug/l	98
91) Naphthalene	15.10	128	59075	13.775	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	29984	15.475	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Aug 20 14:01:17 2020
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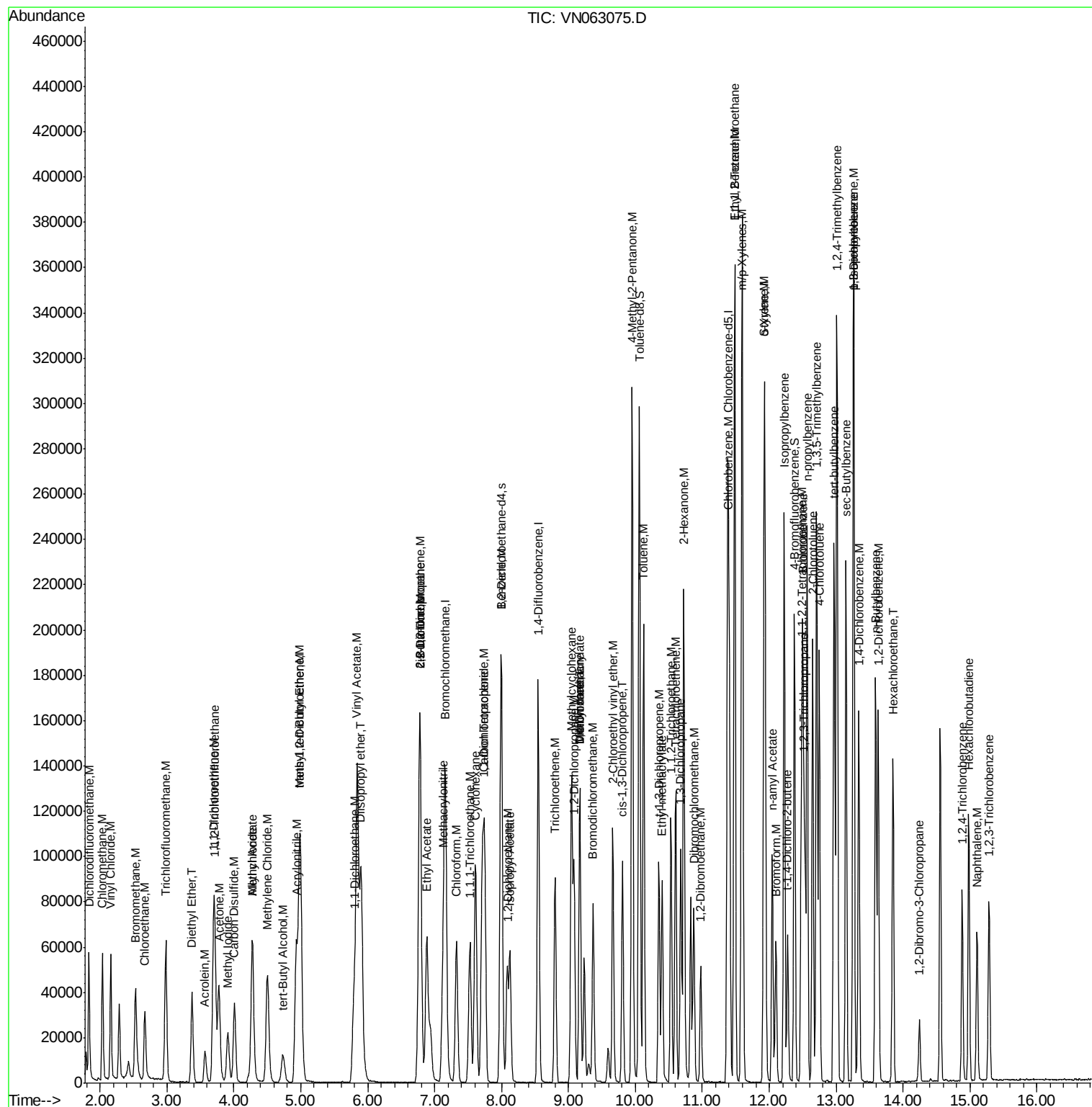
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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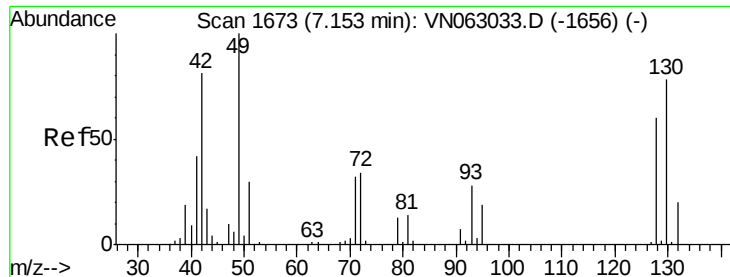
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Aug 22 00:51:34 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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.01 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

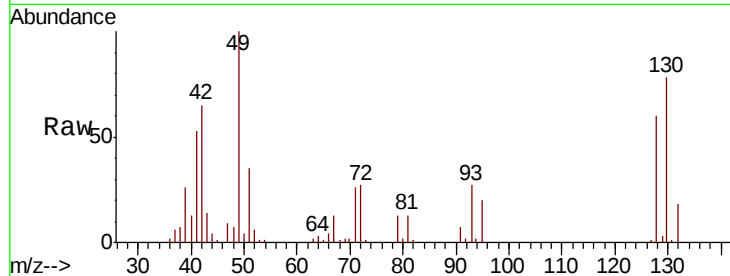
Tot Ion:128 Resp: 31049

Ion Ratio Lower Upper

128 100

49 171.2 0.0 437.5

130 130.1 0.0 327.3

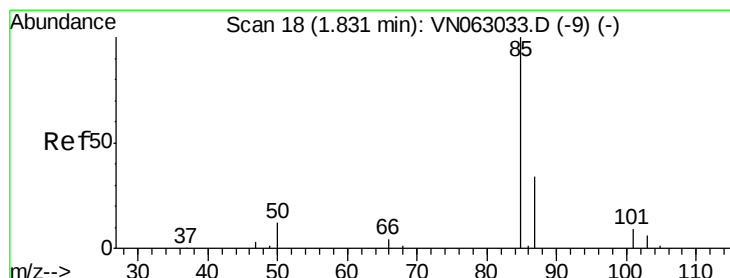
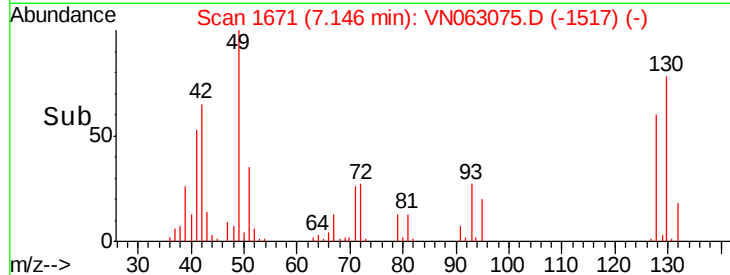
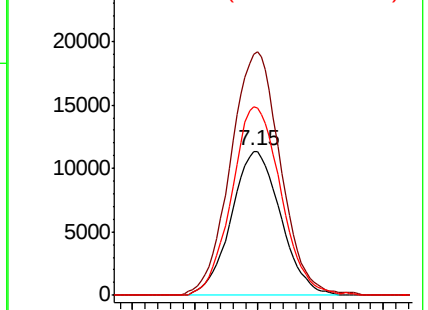


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.733 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN063075.D

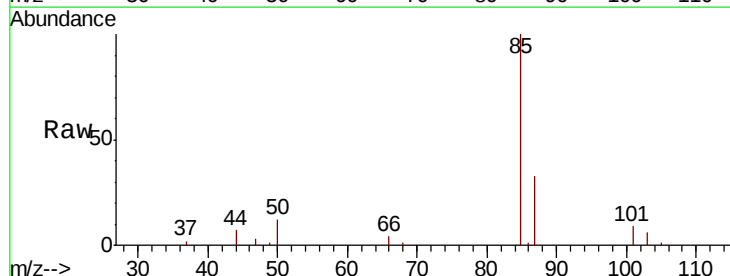
Acq: 21 Aug 2020 12:54

Tgt Ion: 85 Resp: 46026

Ion Ratio Lower Upper

85 100

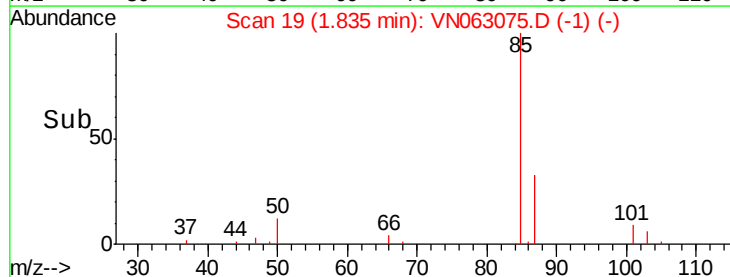
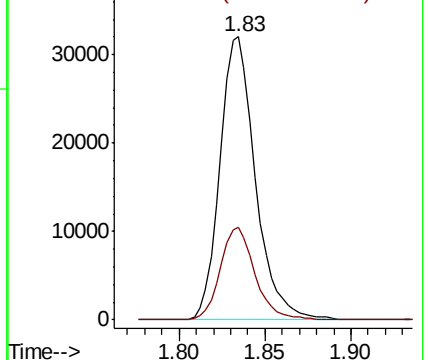
87 32.9 16.9 50.6

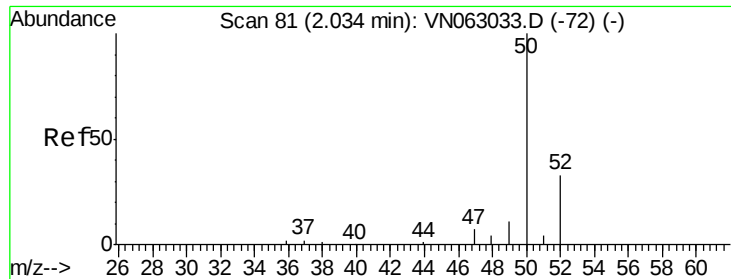


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.228 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampled :

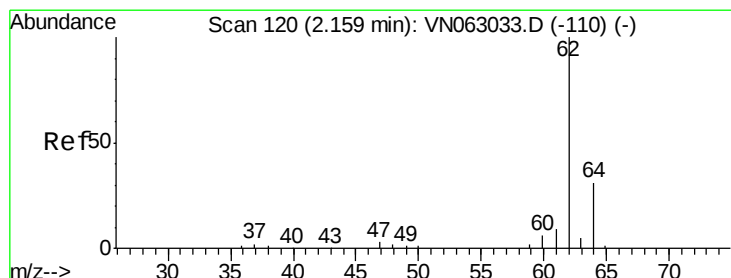
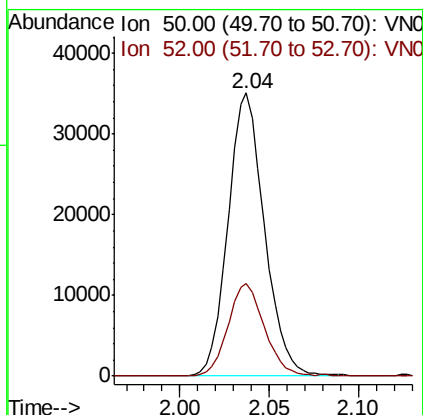
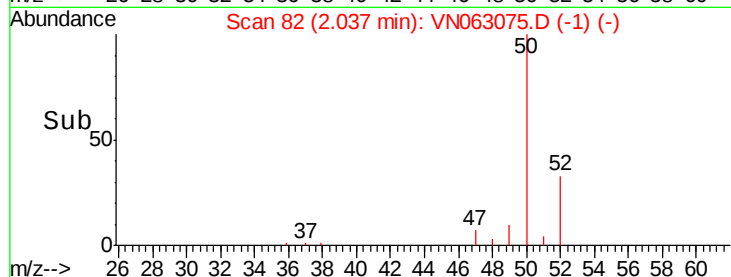
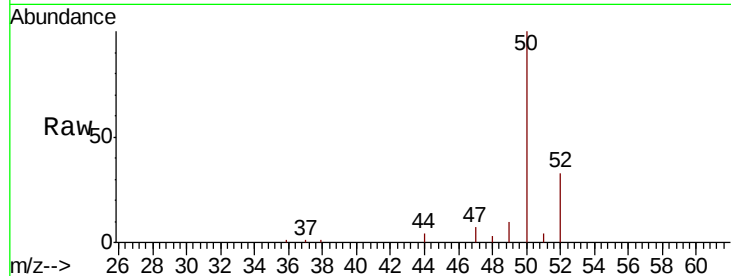
VN0821WBS01

Tot Ion: 50 Resp: 49689

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 20.447 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063075.D

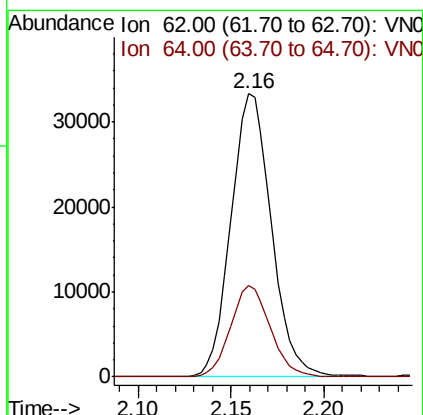
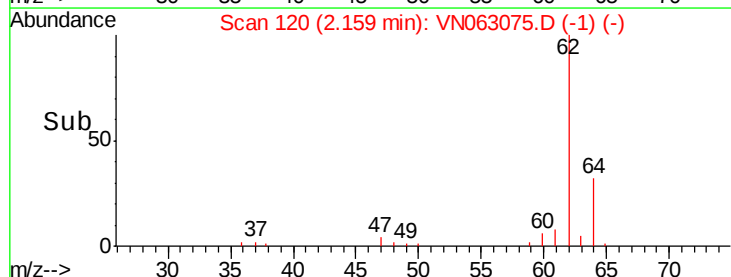
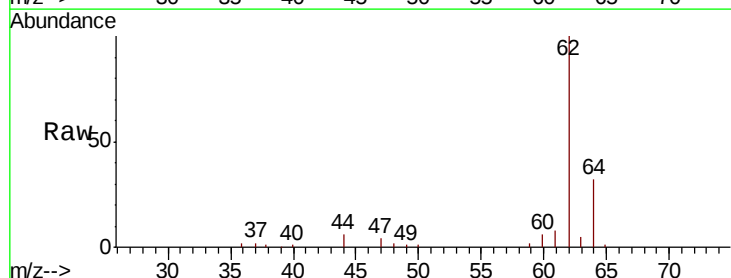
Acq: 21 Aug 2020 12:54

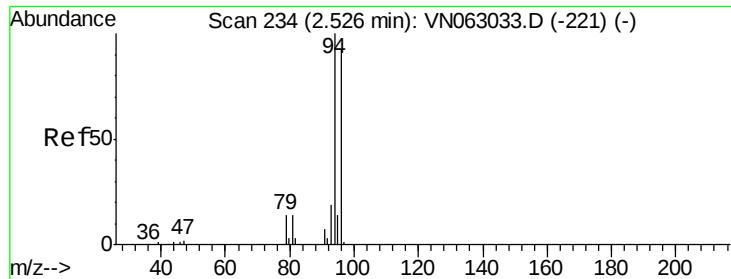
Tgt Ion: 62 Resp: 50562

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.4





#5

Bromomethane

Concen: 19.956 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

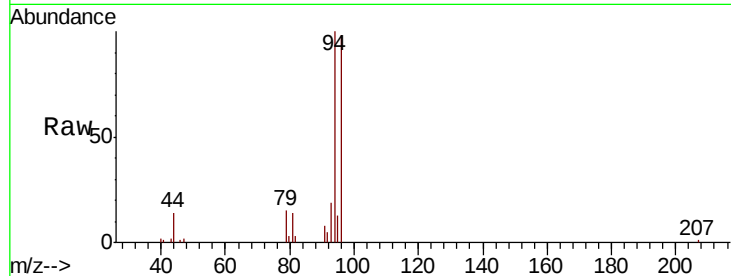
VN0821WBS01

Tot Ion: 94 Resp: 30419

Ion Ratio Lower Upper

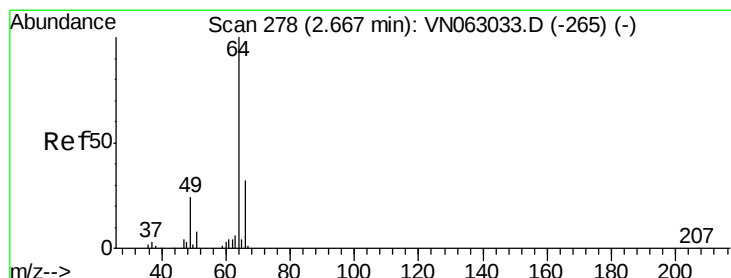
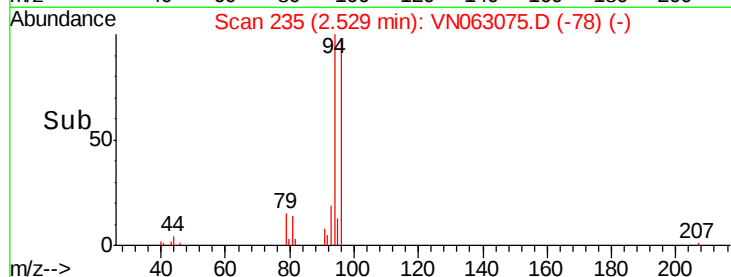
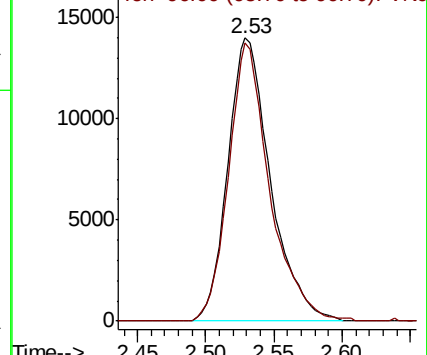
94 100

96 98.1 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.759 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN063075.D

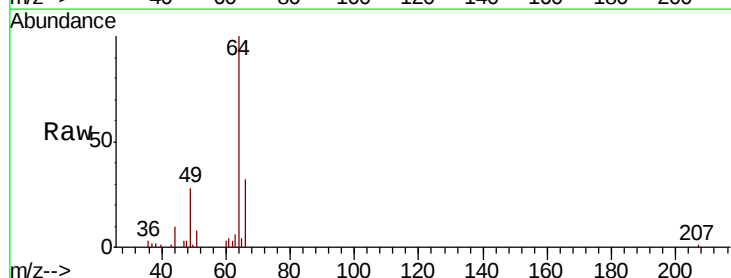
Acq: 21 Aug 2020 12:54

Tgt Ion: 64 Resp: 30339

Ion Ratio Lower Upper

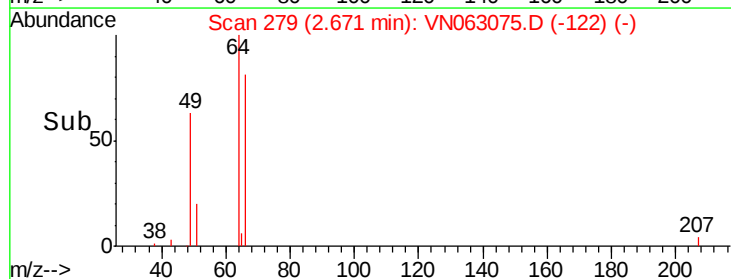
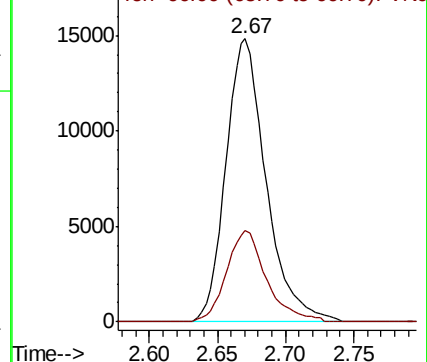
64 100

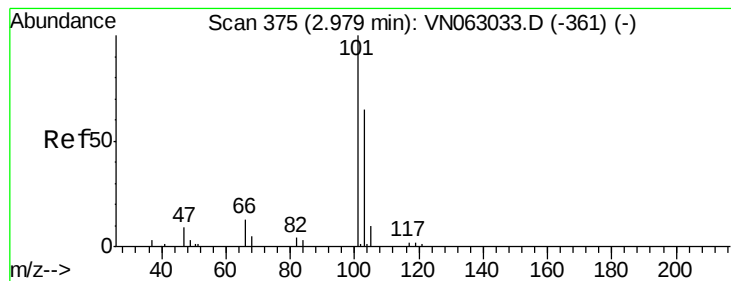
66 32.1 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



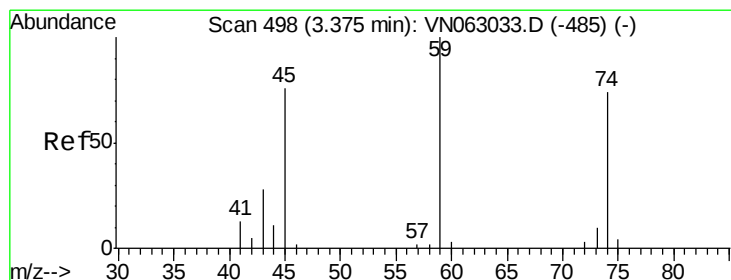
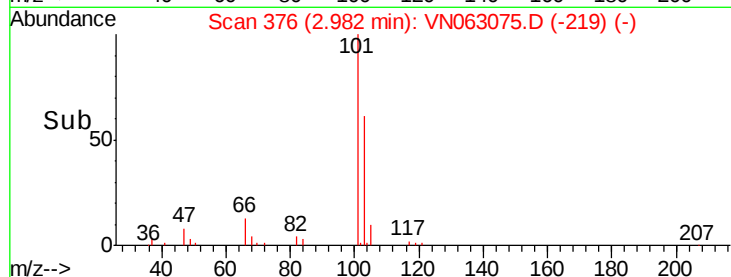
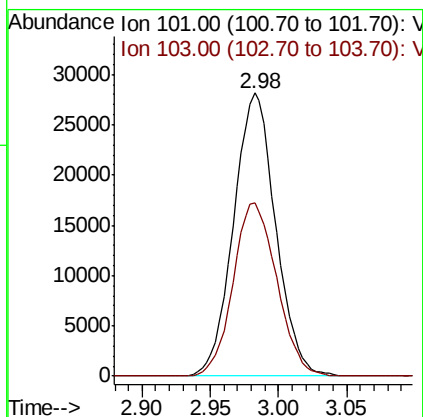
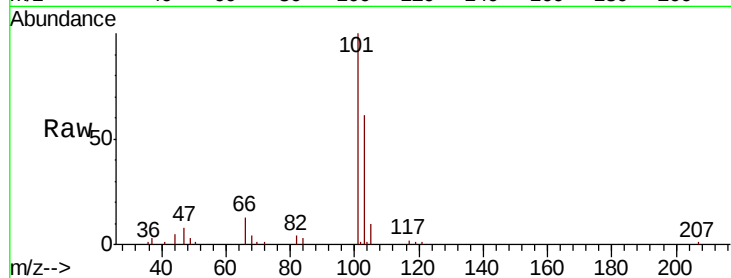


#7

Trichlorofluoromethane
 Concen: 20.210 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Instrument :
 MSVOA_N
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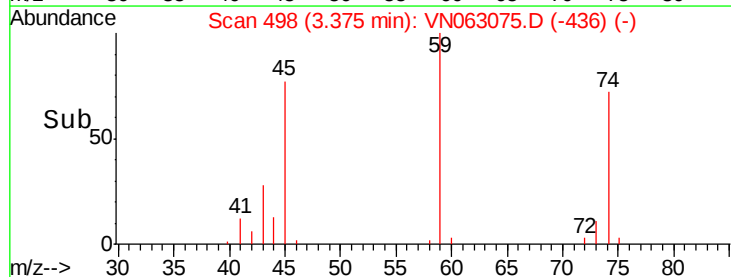
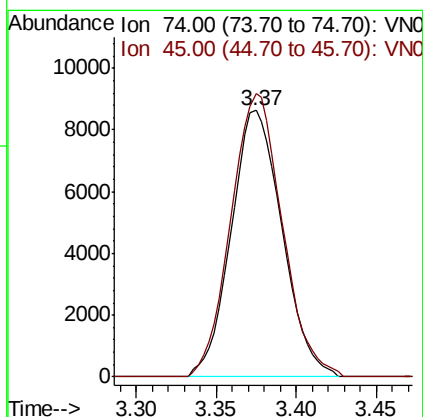
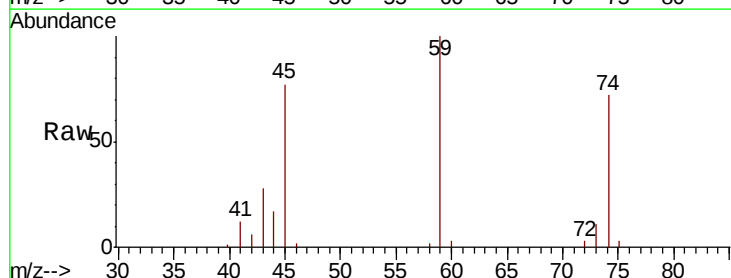
Tot Ion:101 Resp: 60268
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.9 77.9

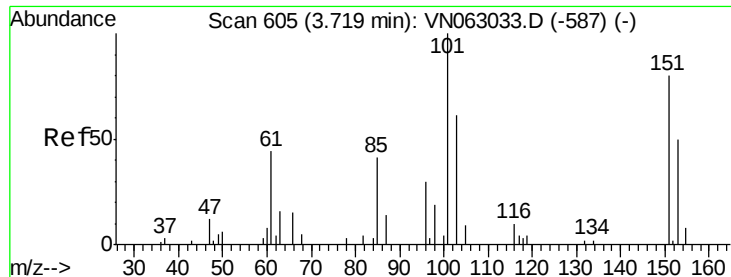


#8

Diethyl Ether
 Concen: 19.020 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion: 74 Resp: 18864
 Ion Ratio Lower Upper
 74 100
 45 107.0 20.6 185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.564 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

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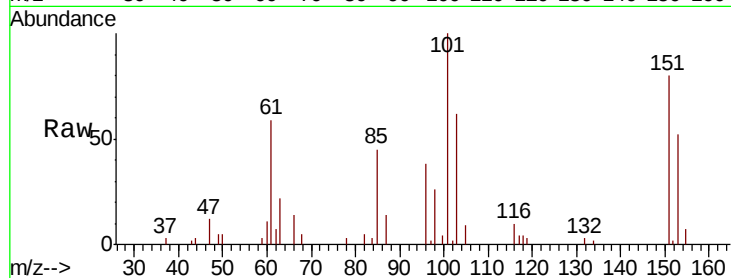
Tot Ion:101 Resp: 31545

Ion Ratio Lower Upper

101 100

85 42.3 0.0 85.0

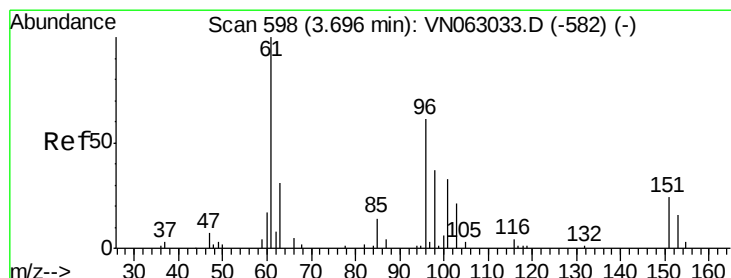
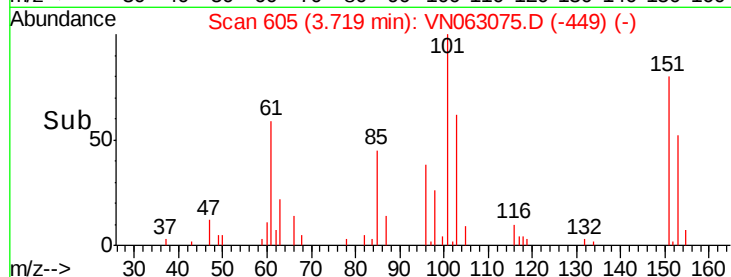
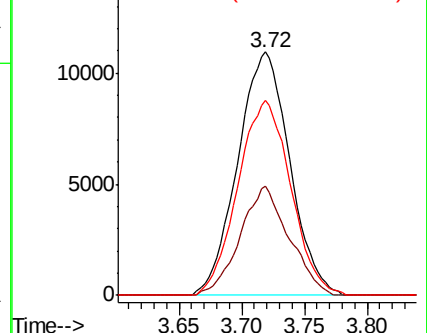
151 81.4 0.0 161.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.987 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

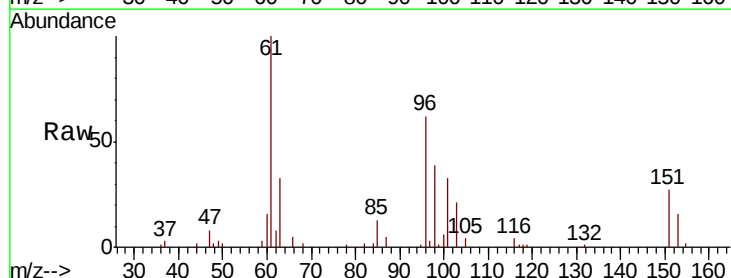
Tgt Ion: 96 Resp: 27511

Ion Ratio Lower Upper

96 100

61 160.0 130.8 196.2

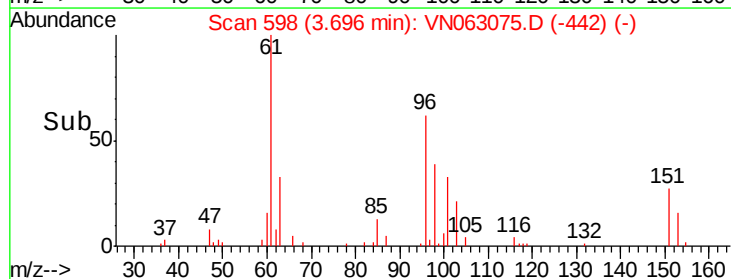
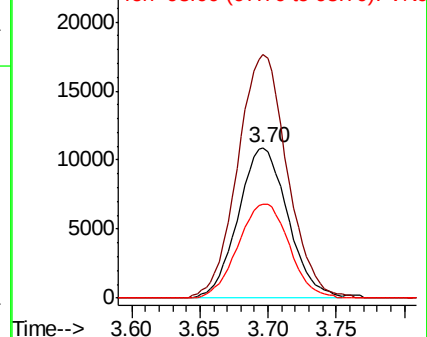
98 62.6 49.0 73.4

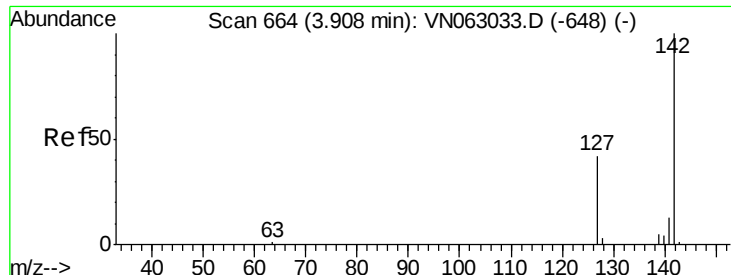


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

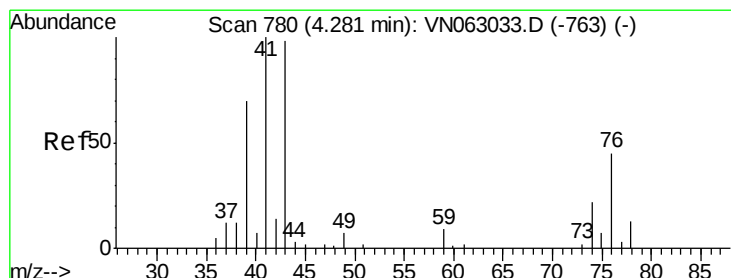
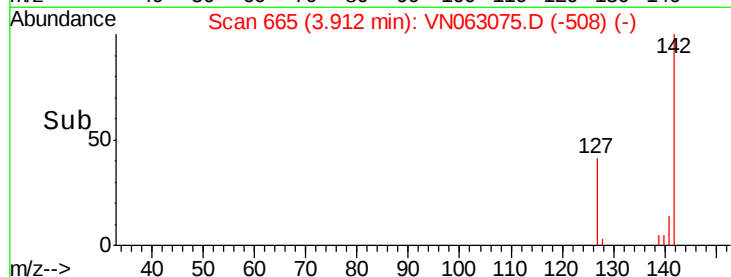
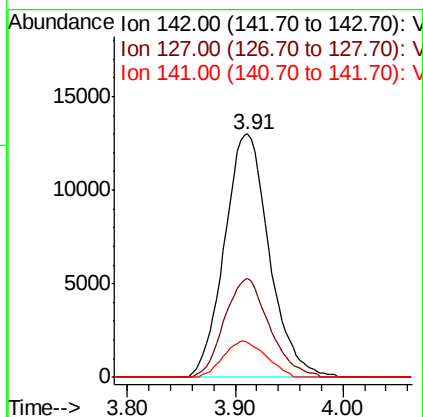
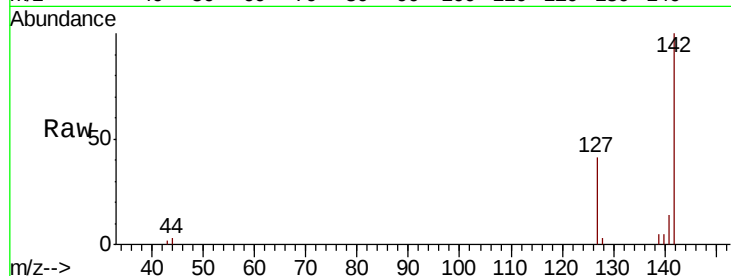




#11
Methvl Iodide
Concen: 18.905 ug/l
RT: 3.91 min Scan# 665
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

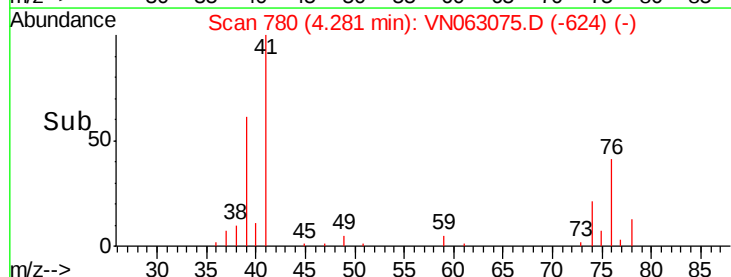
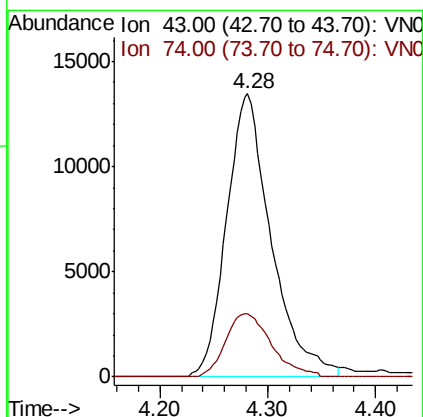
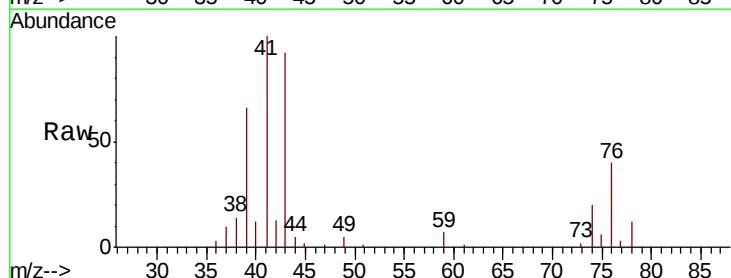
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

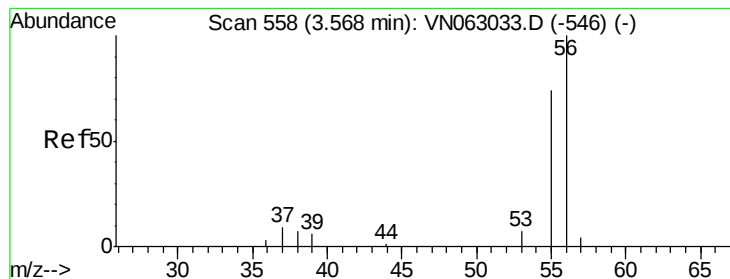
Tot Ion:142 Resp: 37582
Ion Ratio Lower Upper
142 100
127 40.7 20.9 62.8
141 14.3 6.7 20.1



#12
Methyl Acetate
Concen: 20.094 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion: 43 Resp: 38807
Ion Ratio Lower Upper
43 100
74 22.5 18.6 27.8





#13

Acrolein

Concen: 86.011 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

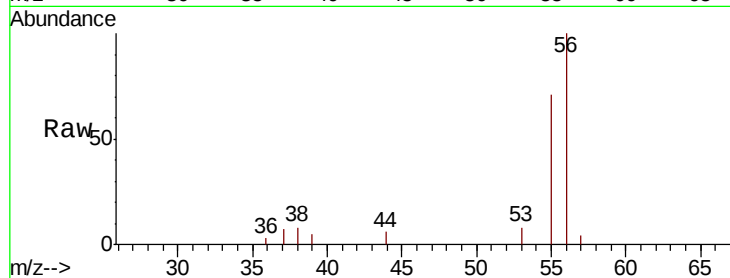
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

Tot Ion: 56 Resp: 17025

Ion Ratio Lower Upper

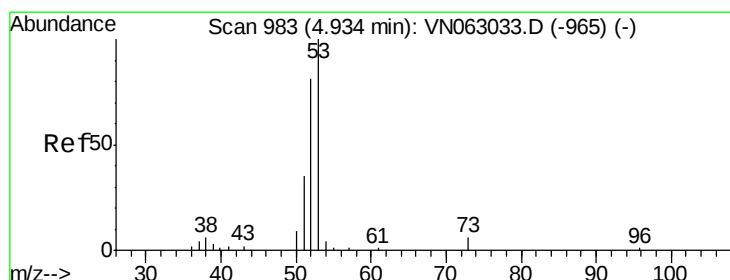
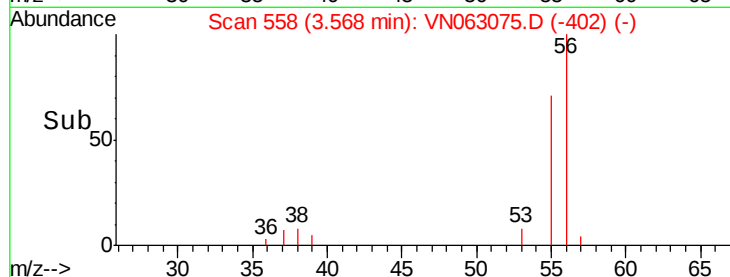
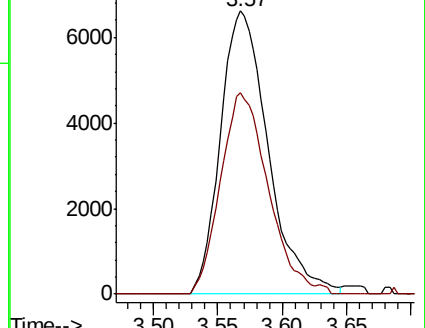
56 100

55 70.7 58.7 88.1



Abundance Ion 56.00 (55.70 to 56.70): VN063033.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN063033.D (-546) (-)



#14

Acrylonitrile

Concen: 97.068 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

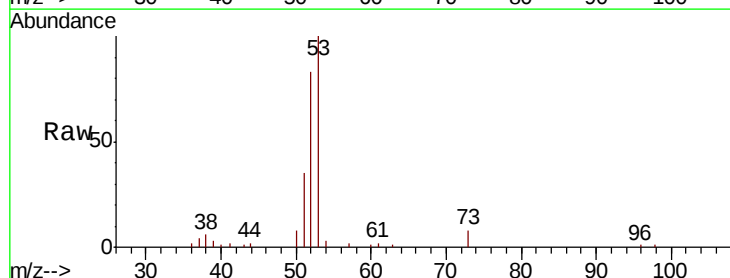
Tgt Ion: 53 Resp: 82087

Ion Ratio Lower Upper

53 100

52 81.4 39.9 119.7

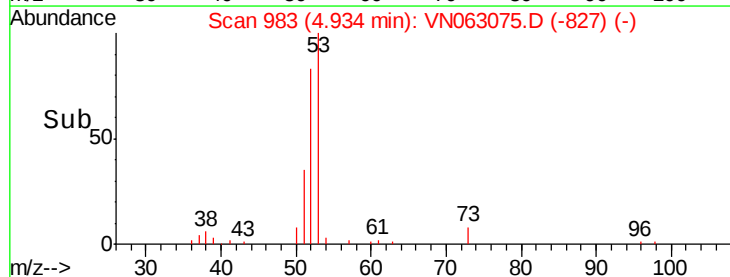
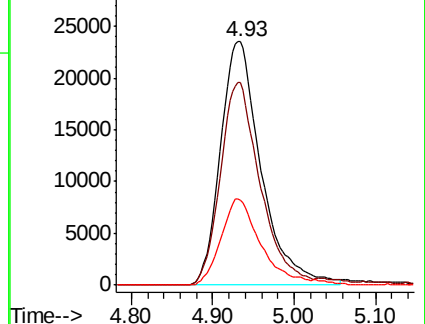
51 33.4 17.0 51.0

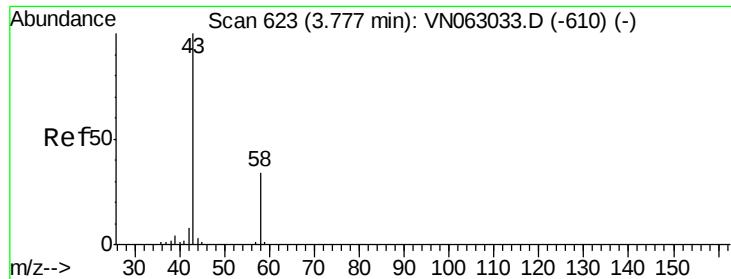


Abundance Ion 53.00 (52.70 to 53.70): VN063033.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN063033.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN063033.D (-965) (-)





#15

Acetone

Concen: 97.410 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

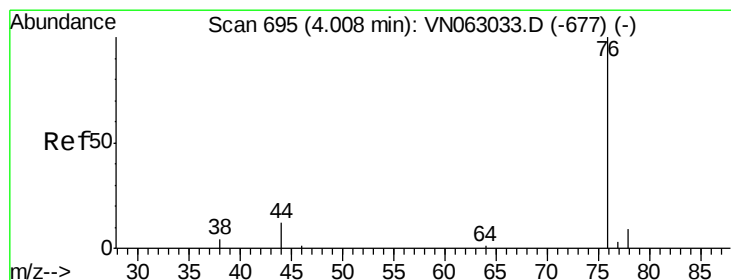
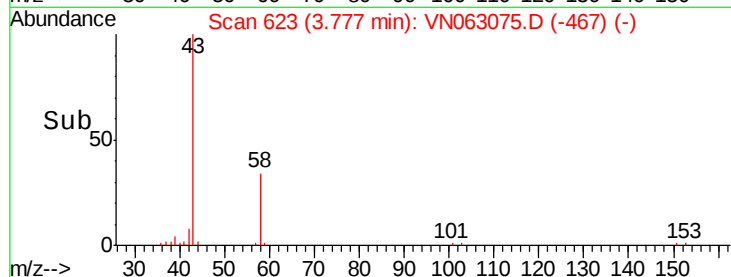
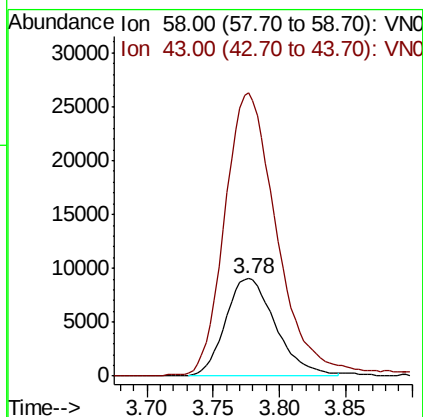
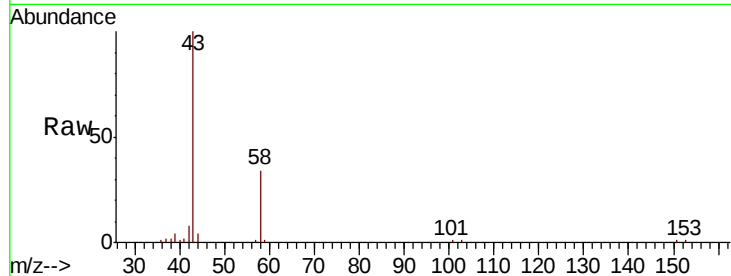
VN0821WBS01

Tot Ion: 58 Resp: 23841

Ion Ratio Lower Upper

58 100

43 287.0 233.2 349.8



#16

Carbon Disulfide

Concen: 18.314 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN063075.D

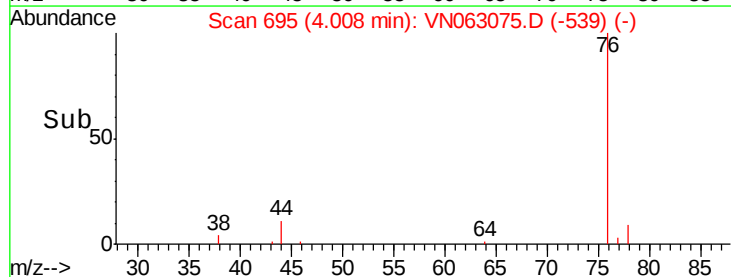
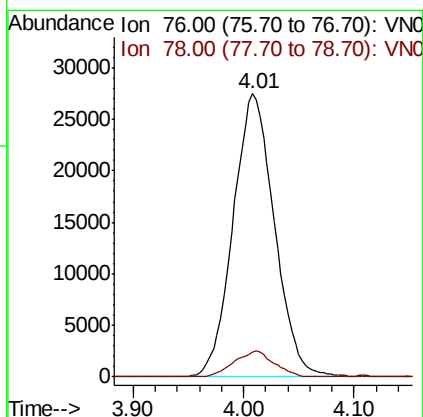
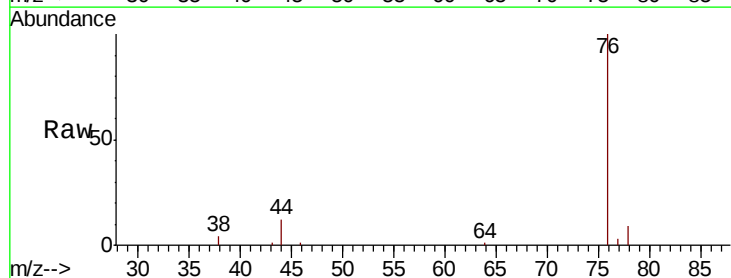
Acq: 21 Aug 2020 12:54

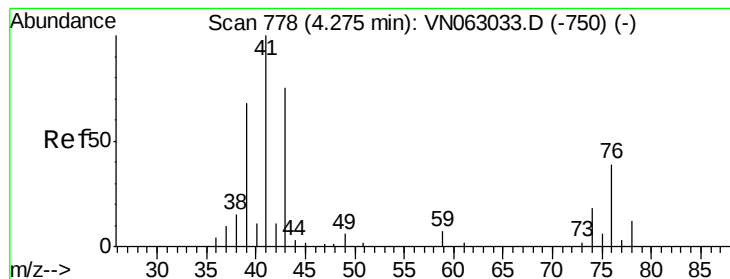
Tgt Ion: 76 Resp: 71234

Ion Ratio Lower Upper

76 100

78 8.6 7.0 10.4





#17

Allvl chloride

Concen: 19.087 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

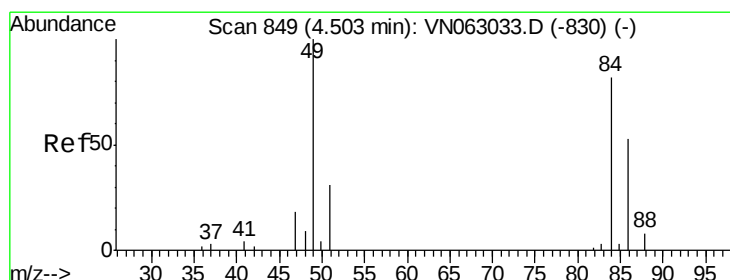
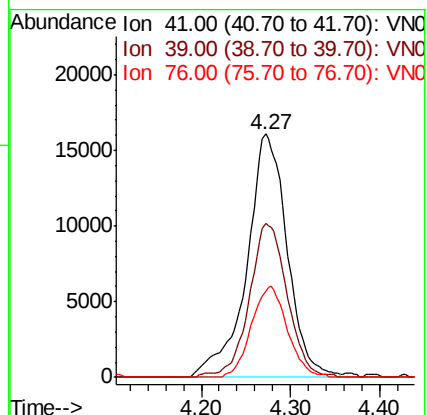
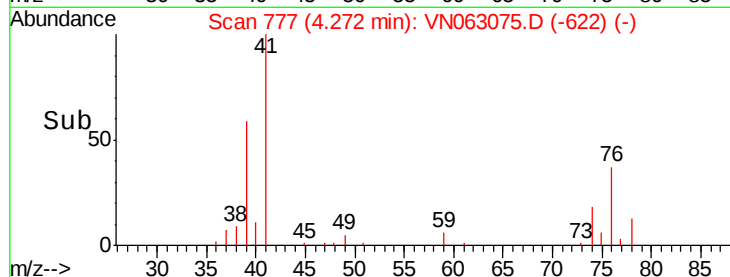
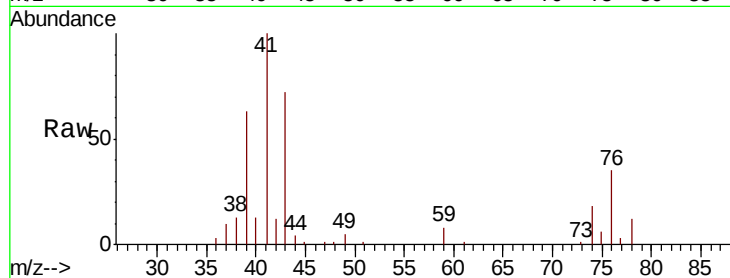
Tot Ion: 41 Resp: 50746

Ion Ratio Lower Upper

41 100

39 63.3 33.8 101.4

76 35.4 19.4 58.4



#18

Methylene Chloride

Concen: 18.812 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Tgt Ion: 84 Resp: 38136

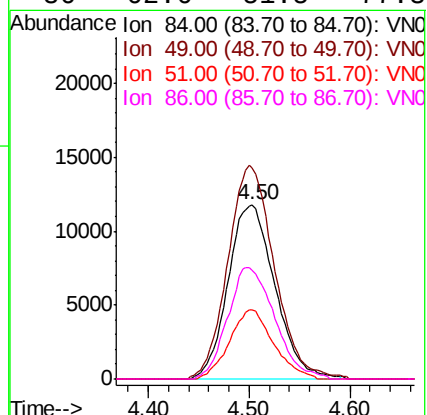
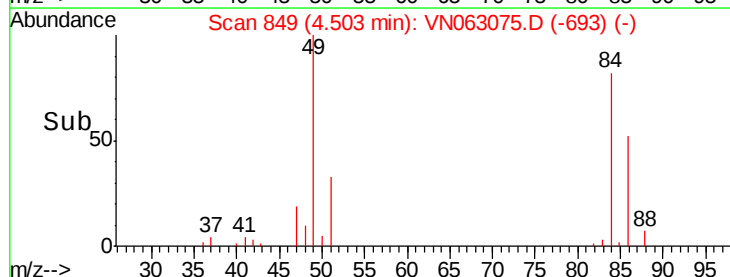
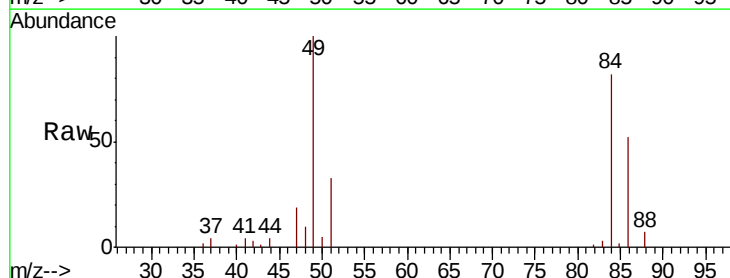
Ion Ratio Lower Upper

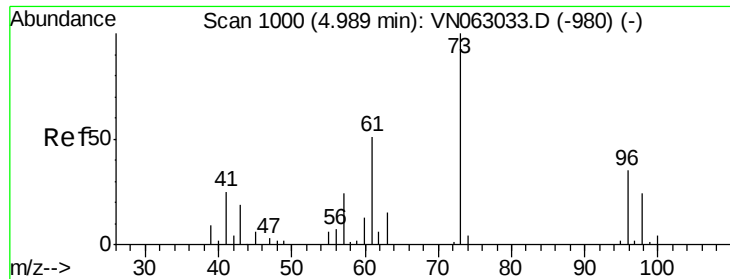
84 100

49 119.9 97.8 146.8

51 39.7 30.7 46.1

86 62.6 51.5 77.3

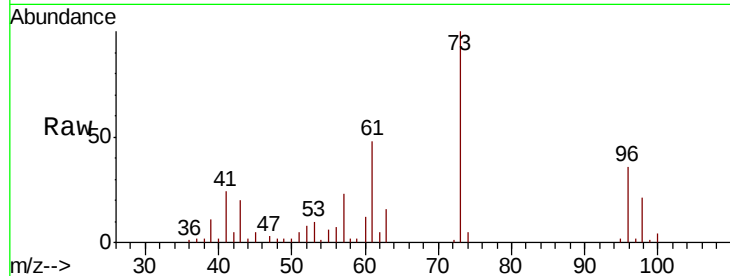




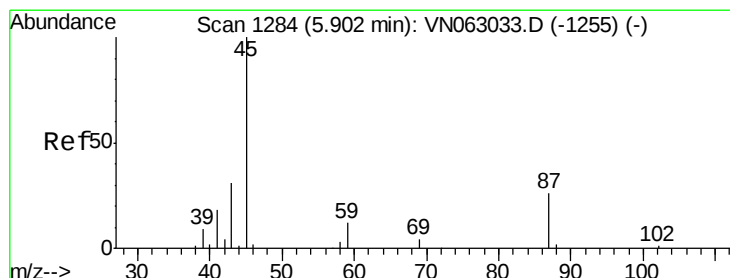
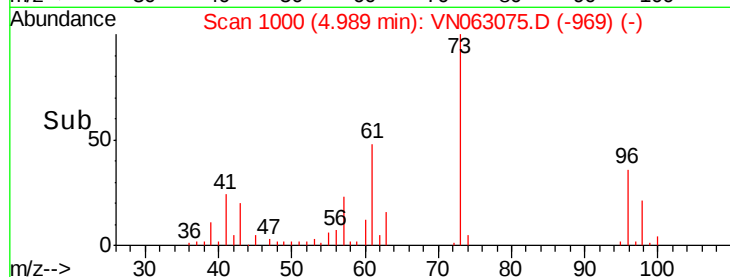
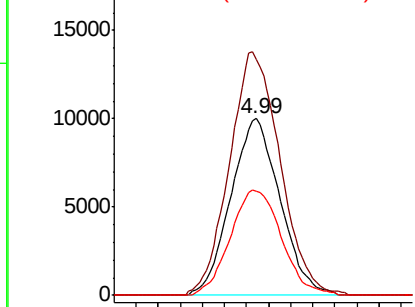
#19
trans-1,2-Dichloroethene
Concen: 19.414 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0821WBS01

Tot Ion: 96 Resp: 30931
Ion Ratio Lower Upper
96 100
61 131.6 115.9 173.9
98 59.0 53.3 79.9

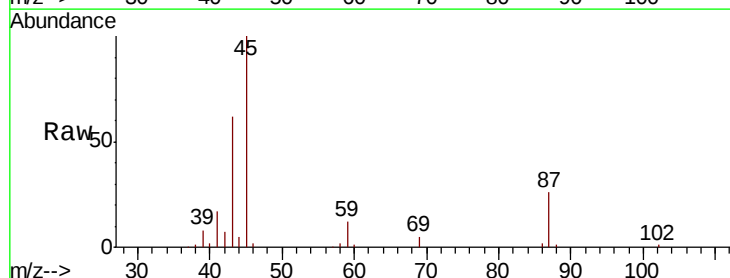


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

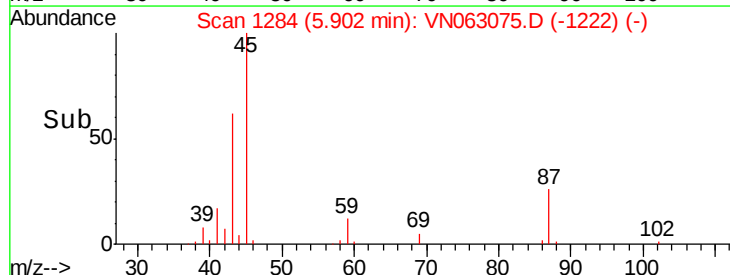
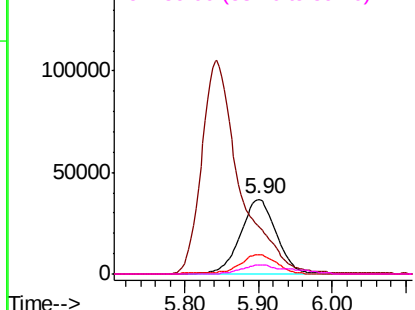


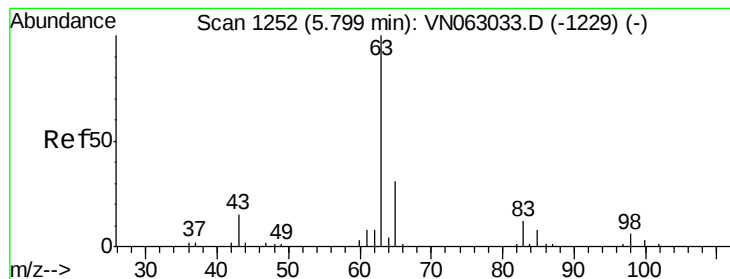
#20
Diisopropyl ether
Concen: 20.065 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion: 45 Resp: 124941
Ion Ratio Lower Upper
45 100
43 59.9 51.8 77.6
87 26.0 21.8 32.6
59 11.8 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: 19.766 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampled :

VN0821WBS01

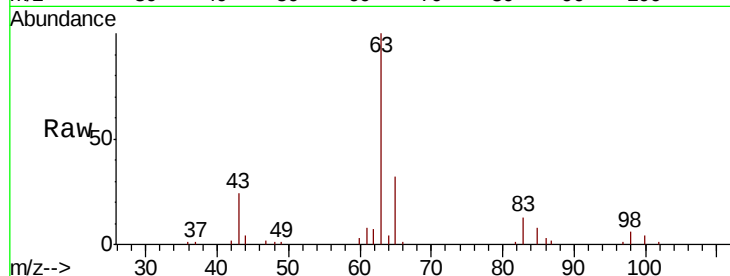
Tot Ion: 63 Resp: 67548

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.3

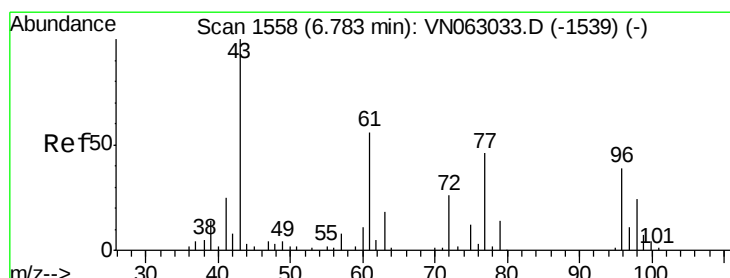
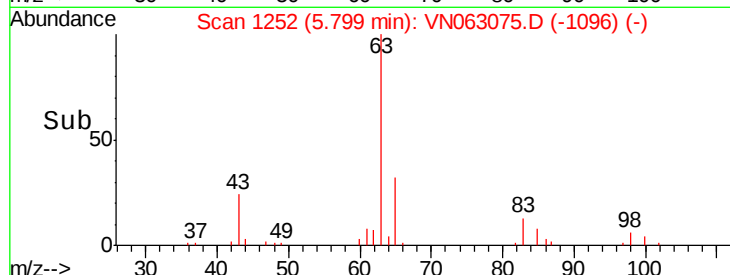
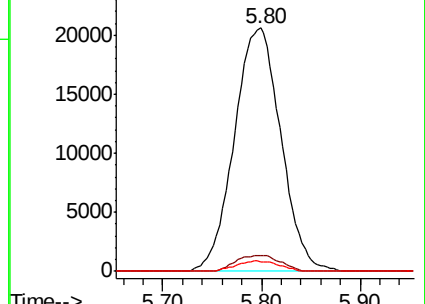
100 4.0 1.8 5.3



Abundance Ion 63.00 (62.70 to 63.70): VN063033.D (-1229) (-)

Ion 98.00 (97.70 to 98.70): VN063033.D (-1229) (-)

Ion 100.00 (99.70 to 100.70): VN063033.D (-1229) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.534 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

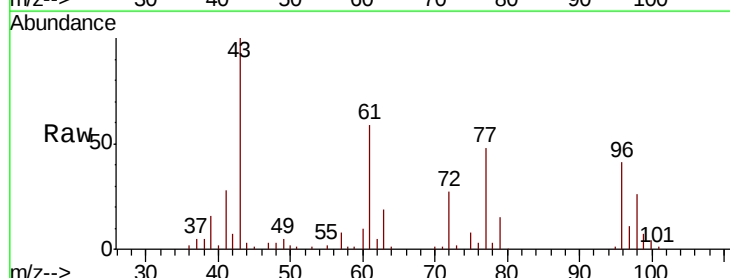
Tgt Ion: 96 Resp: 38569

Ion Ratio Lower Upper

96 100

61 150.2 120.9 181.3

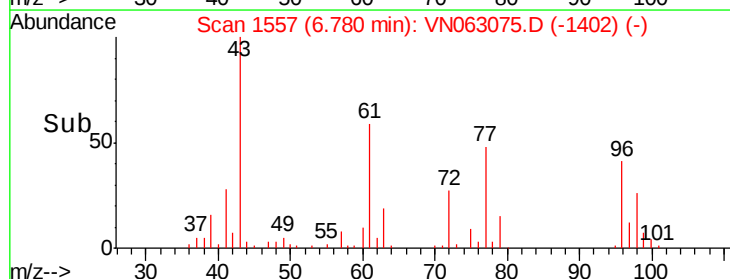
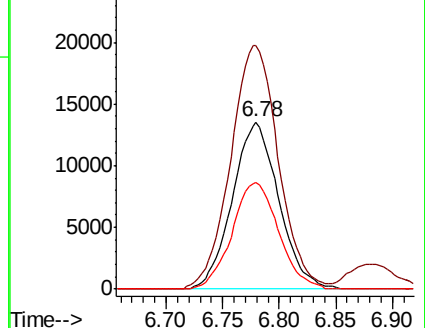
98 64.1 50.3 75.5

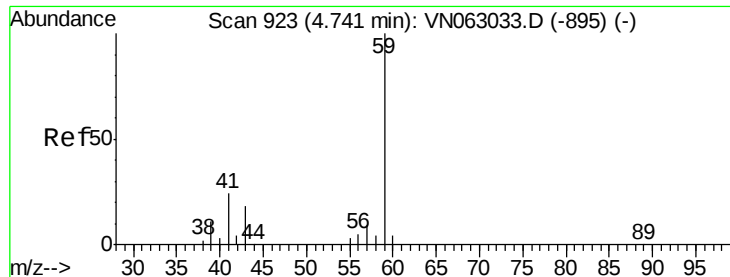


Abundance Ion 96.00 (95.70 to 96.70): VN063033.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN063033.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN063033.D (-1539) (-)



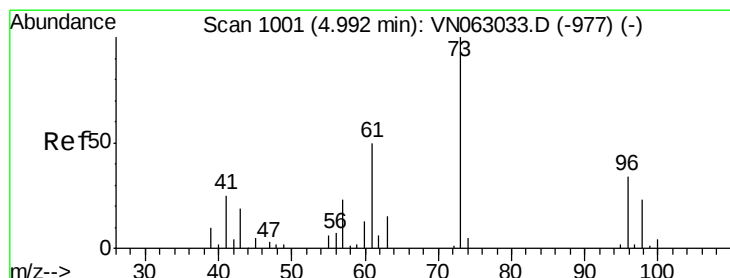
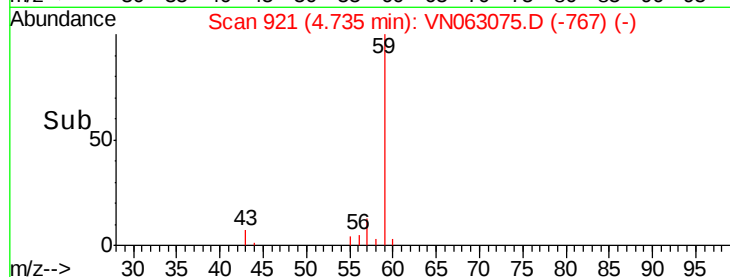
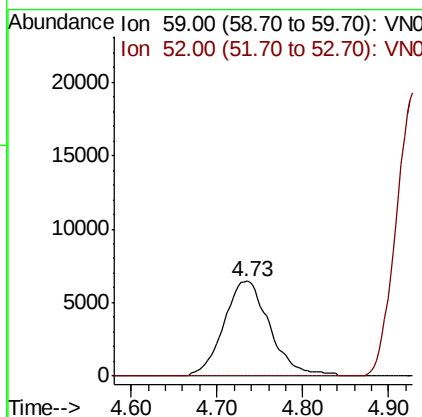
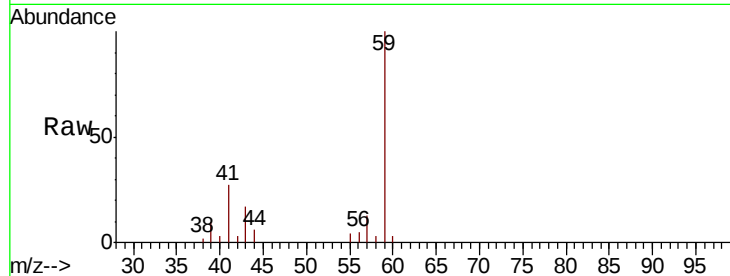


#23

tert-Butyl Alcohol
 Concen: 87.057 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS01

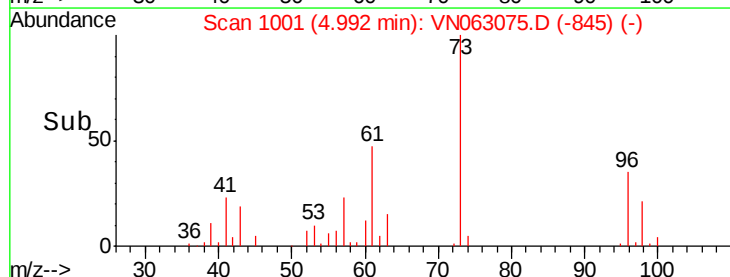
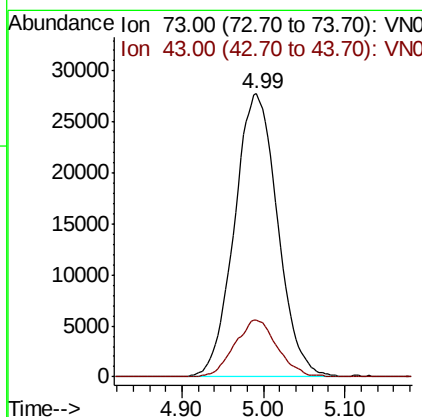
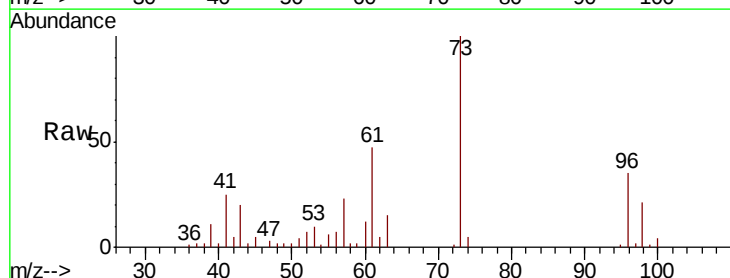
Tot Ion: 59 Resp: 24119
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

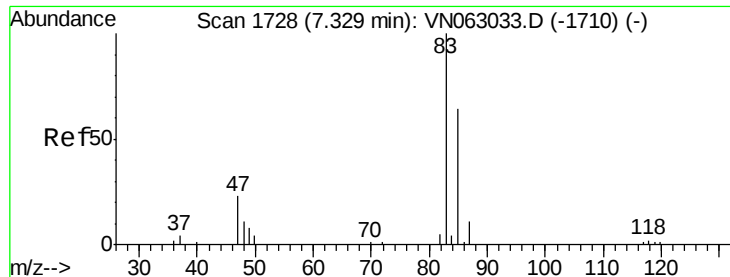


#24

Methyl tert-Butyl Ether
 Concen: 19.202 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion: 73 Resp: 102065
 Ion Ratio Lower Upper
 73 100
 43 19.7 15.8 23.6

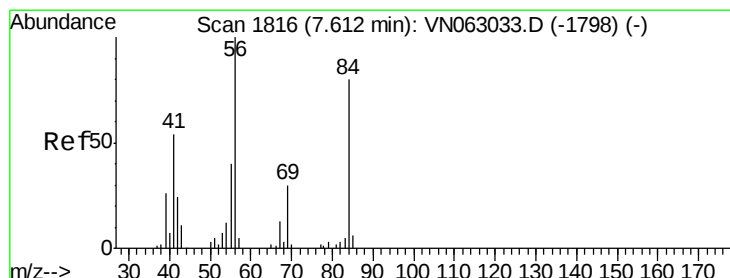
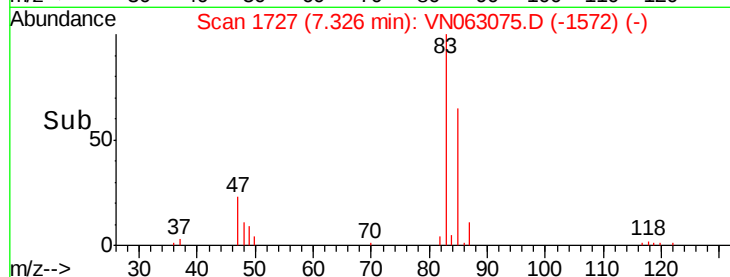
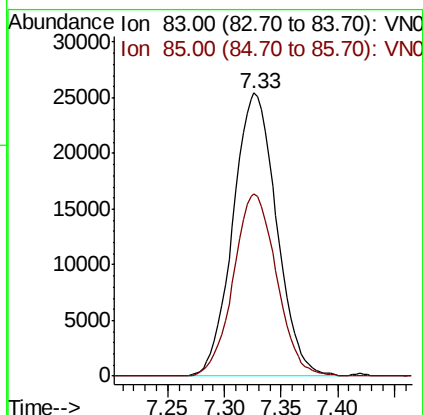
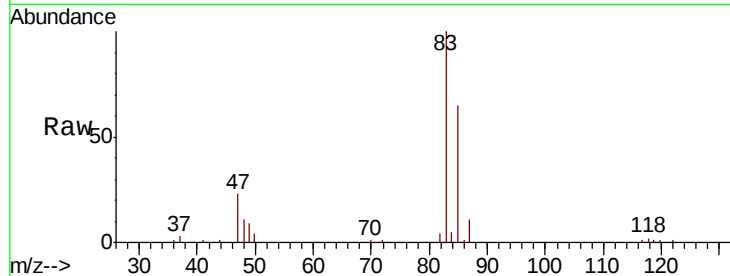




#25
Chloroform
Concen: 20.001 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

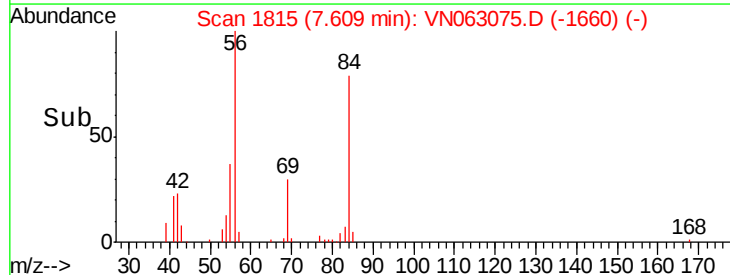
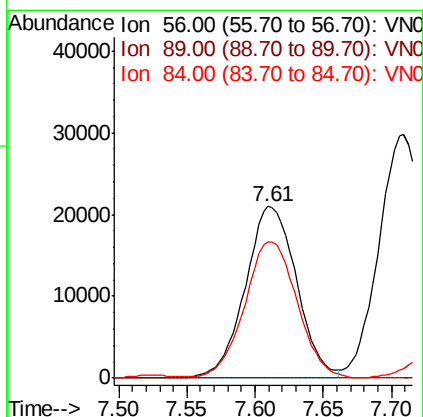
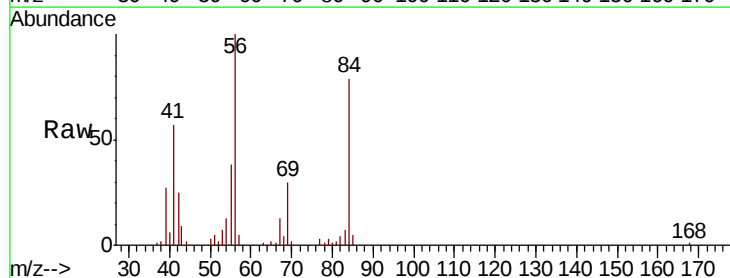
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

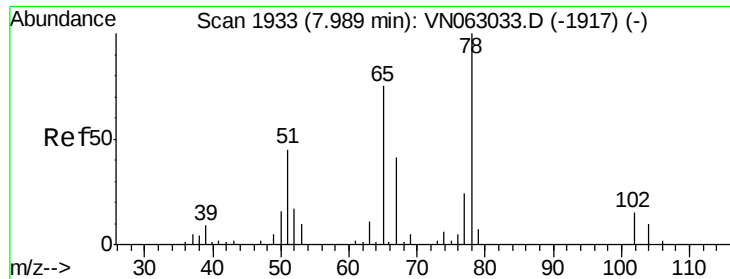
Tot Ion: 83 Resp: 68072
Ion Ratio Lower Upper
83 100
85 64.5 51.0 76.4



#26
Cyclohexane
Concen: 18.618 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion: 56 Resp: 54773
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 81.4 65.0 97.4





#27

1,2-Dichloroethane-d4

Concen: 30.366 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

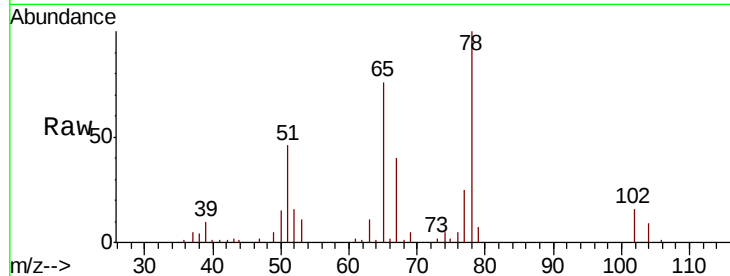
VN0821WBS01

Tot Ion: 65 Resp: 66803

Ion Ratio Lower Upper

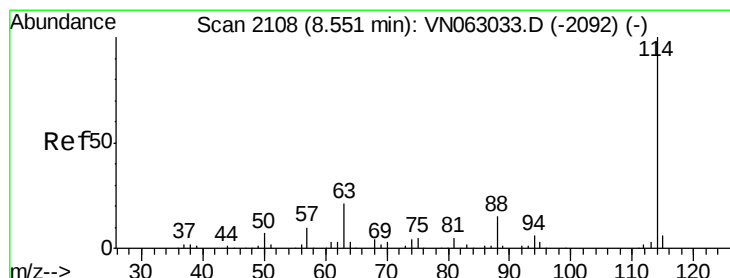
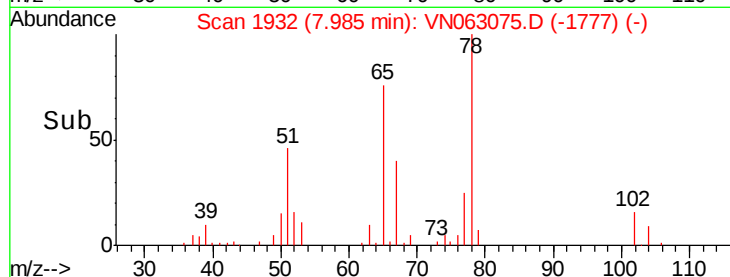
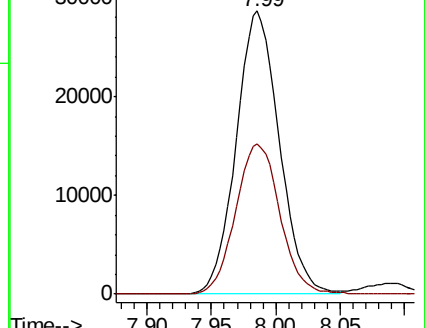
65 100

67 54.5 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN063033.D (-1917) (-)

Ion 67.00 (66.70 to 67.70): VN063033.D (-1917) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

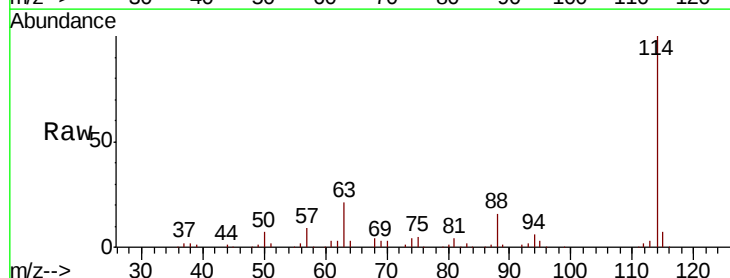
Tgt Ion: 114 Resp: 160948

Ion Ratio Lower Upper

114 100

63 21.0 17.0 25.6

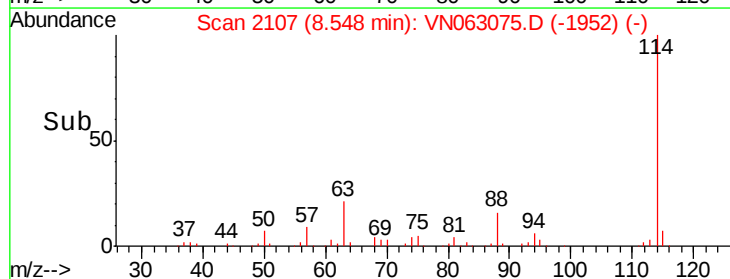
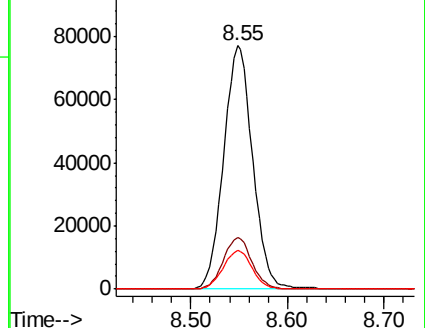
88 15.6 12.6 18.8

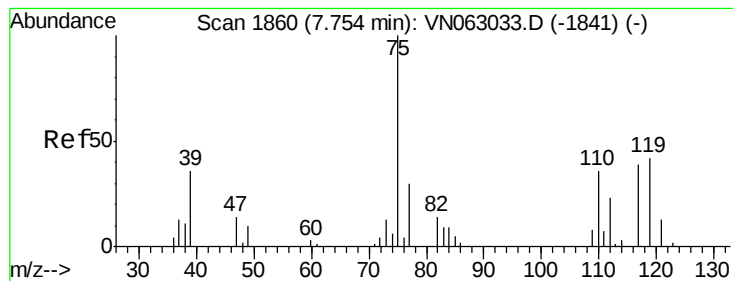


Abundance Ion 114.00 (113.70 to 114.70): VN063033.D (-2092) (-)

Ion 63.00 (62.70 to 63.70): VN063033.D (-2092) (-)

Ion 88.00 (87.70 to 88.70): VN063033.D (-2092) (-)





#29

1,1-Dichloropropene

Concen: 19.011 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

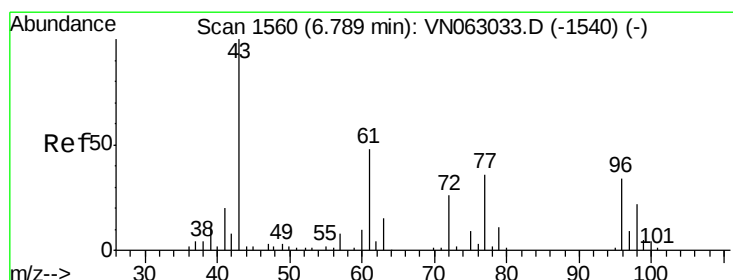
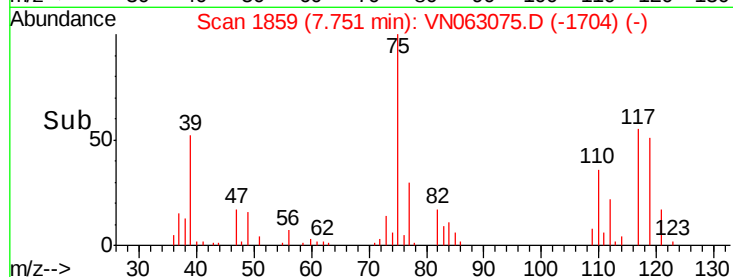
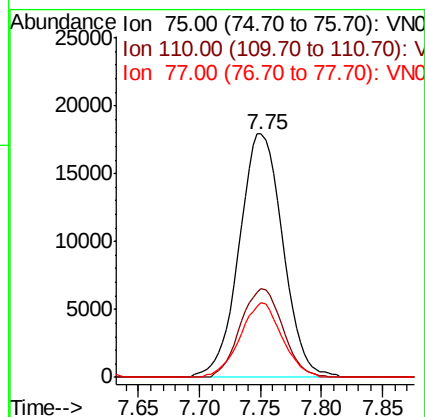
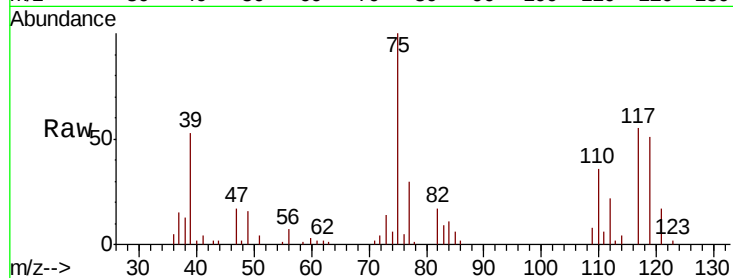
Tot Ion: 75 Resp: 44435

Ion Ratio Lower Upper

75 100

110 35.2 0.0 70.6

77 29.4 0.0 60.2



#30

2-Butanone

Concen: 94.303 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

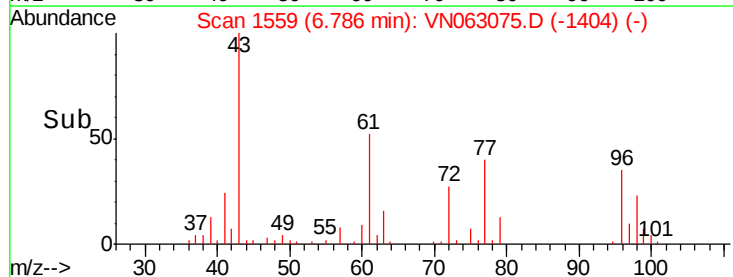
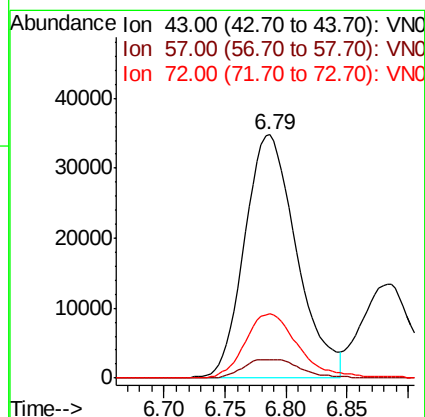
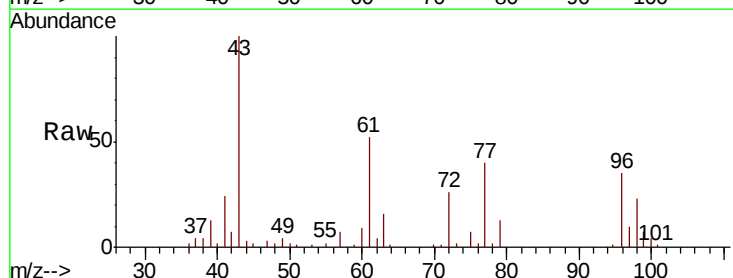
Tgt Ion: 43 Resp: 102736

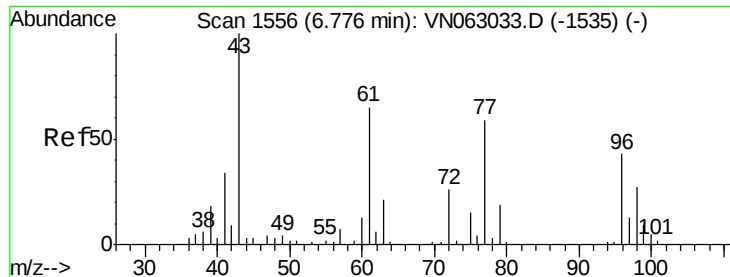
Ion Ratio Lower Upper

43 100

57 8.3 6.6 9.8

72 27.2 21.3 31.9





#31

2,2-Dichloropropane

Concen: 19.345 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

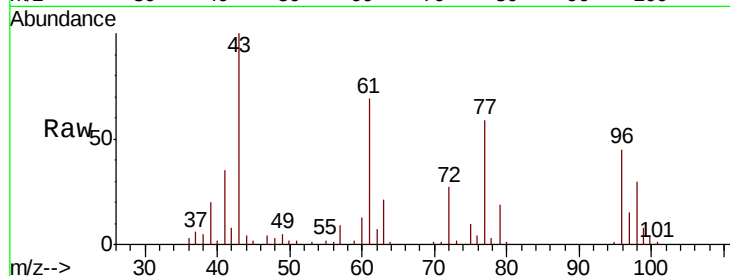
VN0821WBS01

Tot Ion: 77 Resp: 54961

Ion Ratio Lower Upper

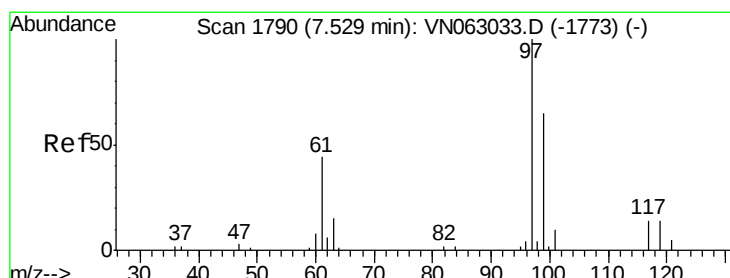
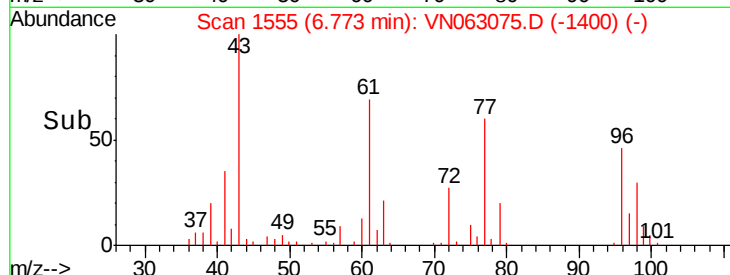
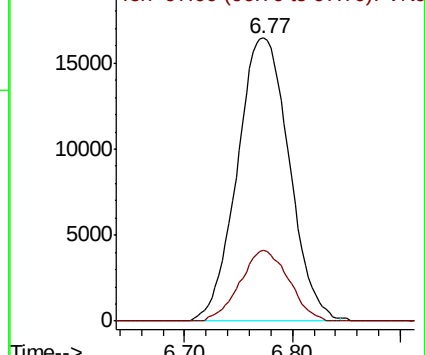
77 100

97 23.5 18.2 27.4



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.741 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

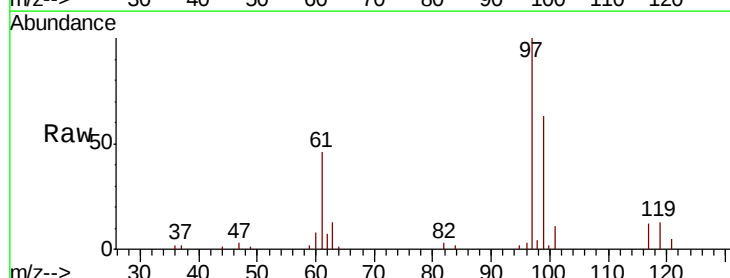
Tgt Ion: 97 Resp: 55573

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

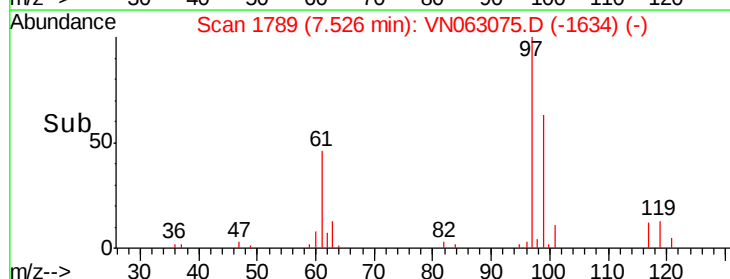
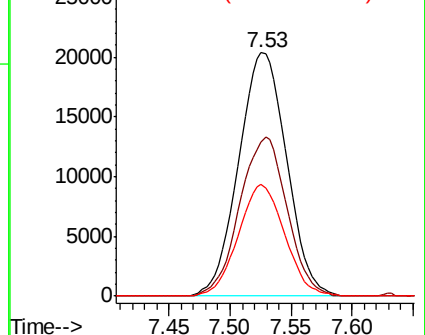
61 44.3 35.3 52.9

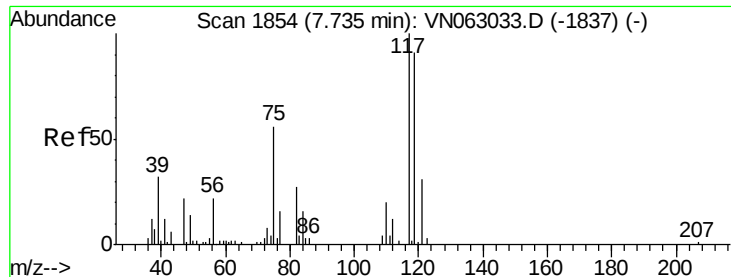


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

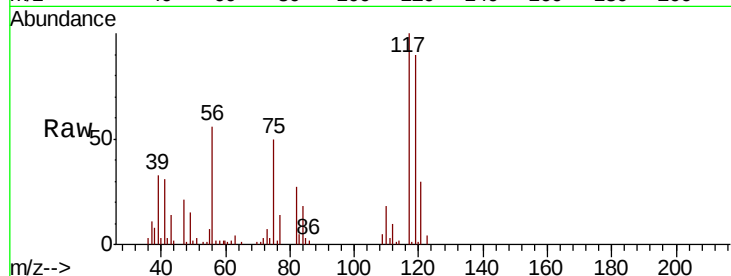




#33
Carbon Tetrachloride
Concen: 19.542 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

Tot Ion	117	Resp	46847
Ion	Ratio	Lower	Upper
117	100		
119	89.9	73.0	109.4
121	30.3	24.9	37.3

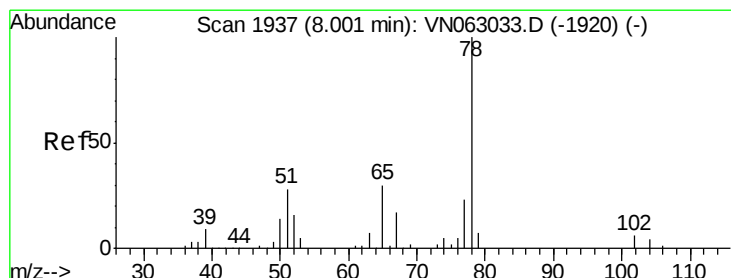
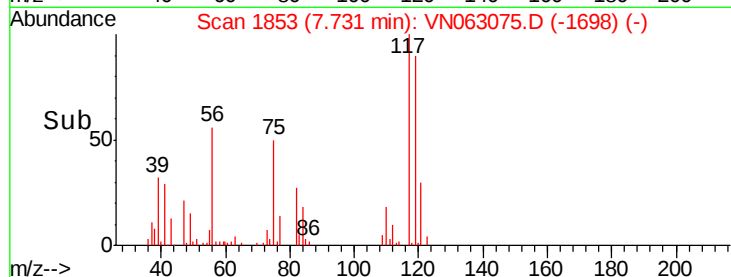
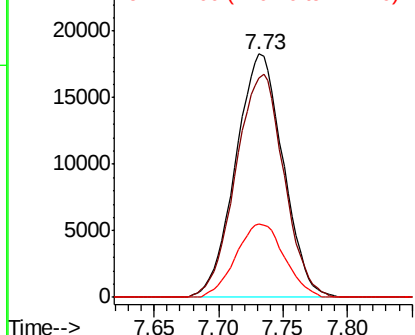


Abundance

Ion 117.00 (116.70 to 117.70): V

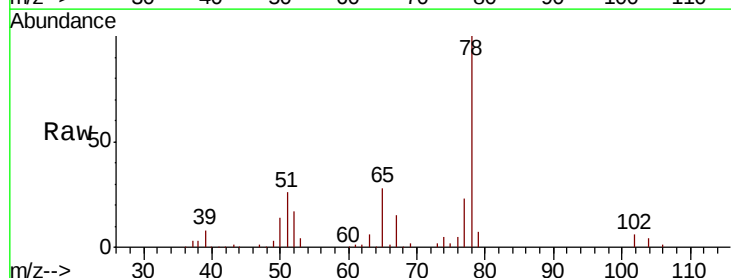
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 19.381 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion	78	Resp	145171
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	27.8
51	25.6	22.2	33.2

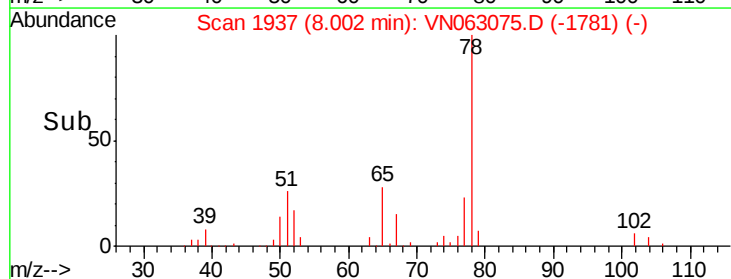
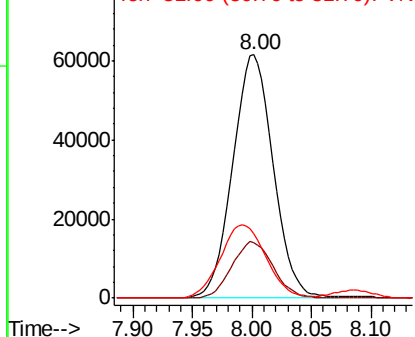


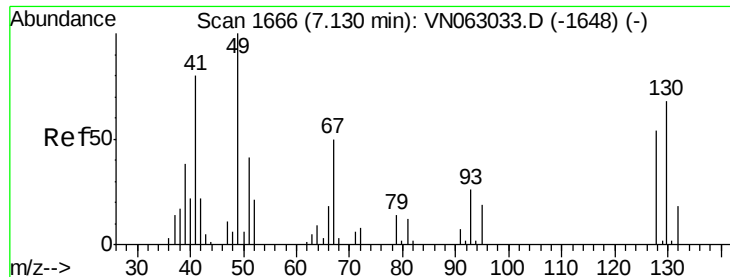
Abundance

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

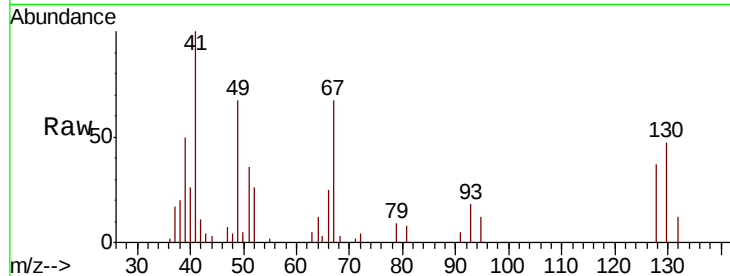




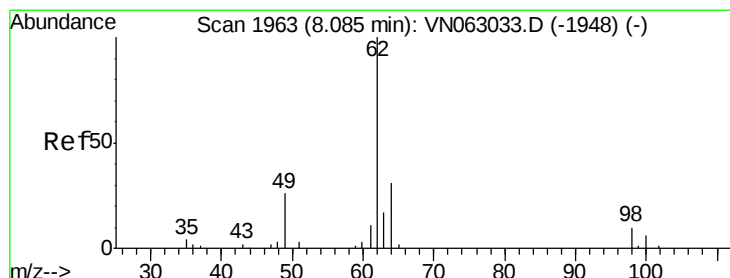
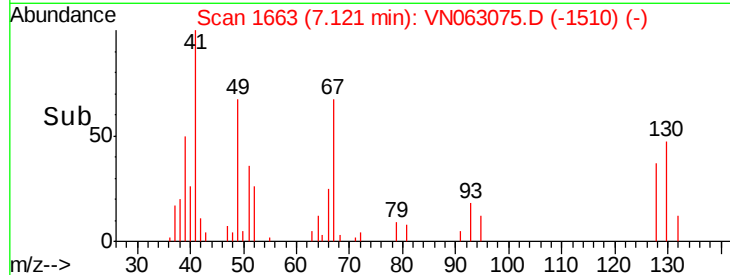
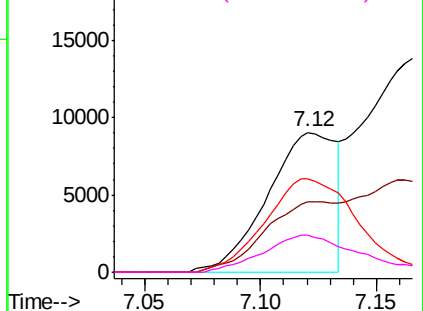
#35
Methacrylonitrile
Concen: 17.946 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

Tot Ion:	41	Resp:	18582
Ion	Ratio	Lower	Upper
41	100		
39	50.0	23.7	71.1
67	66.9	31.6	94.7
52	26.2	13.1	39.3

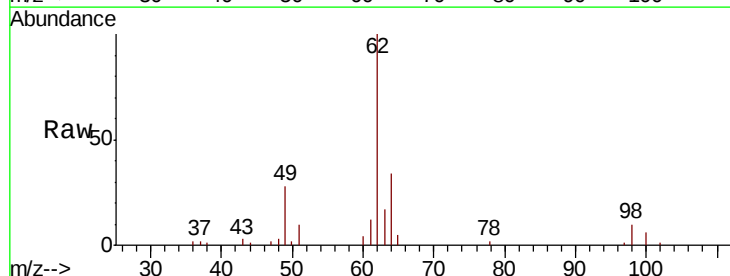


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

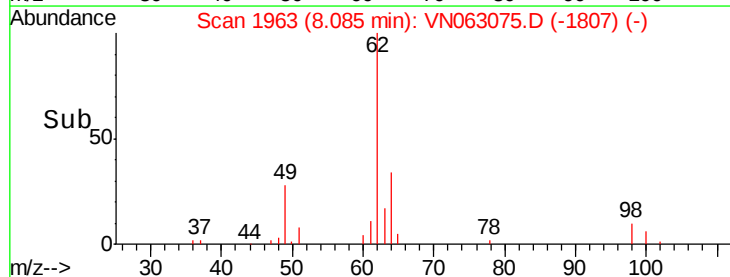
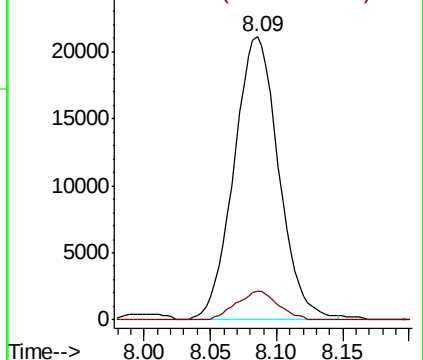


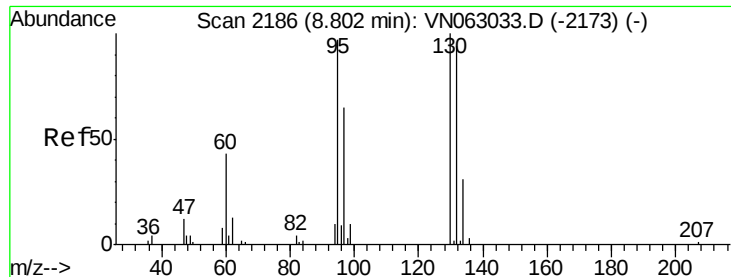
#36
1,2-Dichloroethane
Concen: 19.420 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion:	62	Resp:	49627
Ion	Ratio	Lower	Upper
62	100		
98	9.4	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: 19.294 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

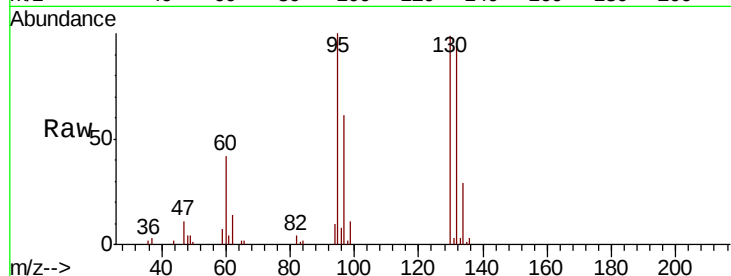
VN0821WBS01

Tot Ion:130 Resp: 35392

Ion Ratio Lower Upper

130 100

95 100.5 78.9 118.3



Abundance Ion 129.90 (129.60 to 130.60): VN063033.D (-2173) (-)

Ion 94.90 (94.60 to 95.60): VN063033.D (-2173) (-)

8.80

15000

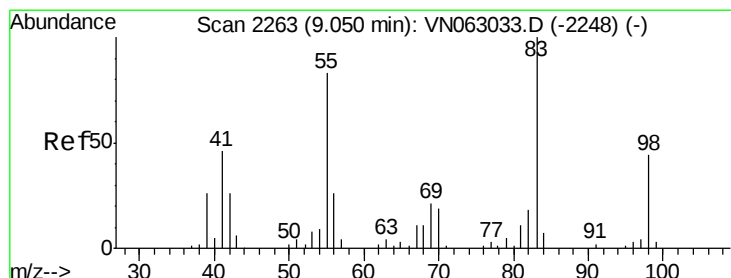
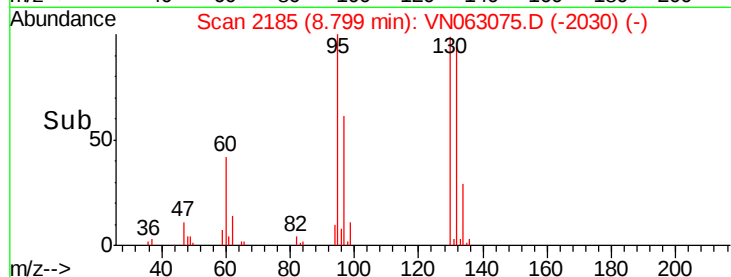
10000

5000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 18.161 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

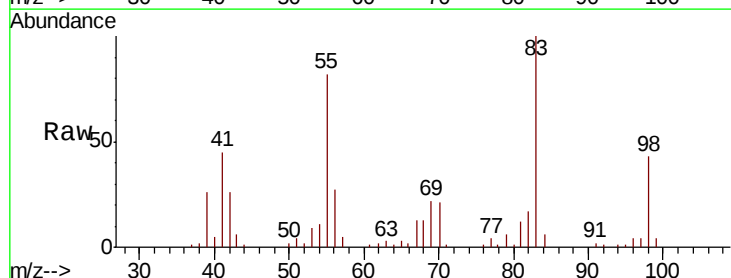
Tgt Ion: 83 Resp: 53243

Ion Ratio Lower Upper

83 100

55 83.3 41.9 125.7

98 44.5 22.2 66.6



Abundance Ion 83.00 (82.70 to 83.70): VN063033.D (-2248) (-)

Ion 55.00 (54.70 to 55.70): VN063033.D (-2248) (-)

Ion 98.00 (97.70 to 98.70): VN063033.D (-2248) (-)

9.05

30000

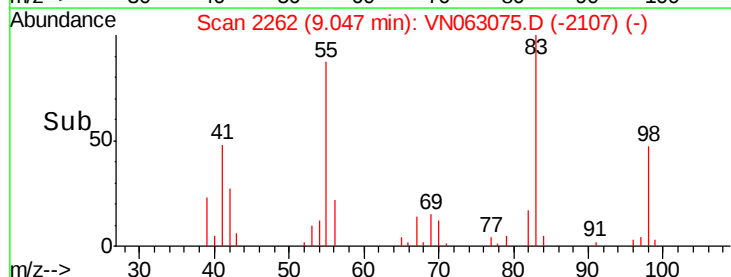
20000

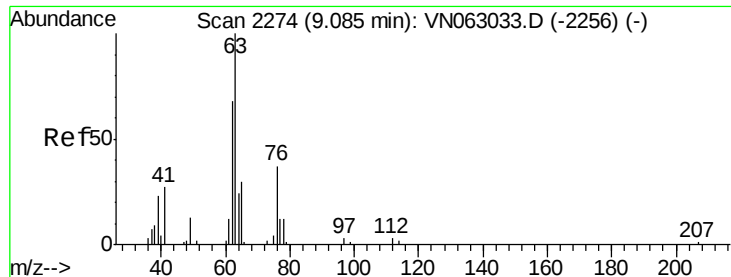
10000

0

8.95 9.00 9.05 9.10

Time-->





#39

1,2-Dichloropropane

Concen: 19.739 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

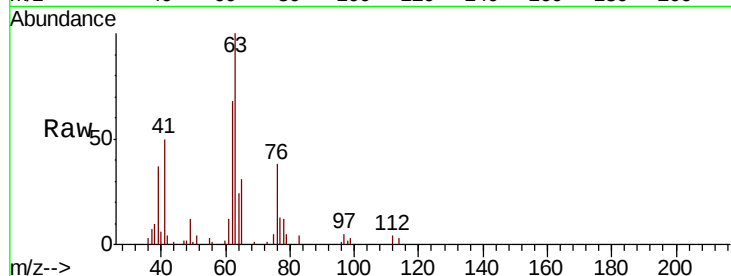
VN0821WBS01

Tot Ion: 63 Resp: 43031

Ion Ratio Lower Upper

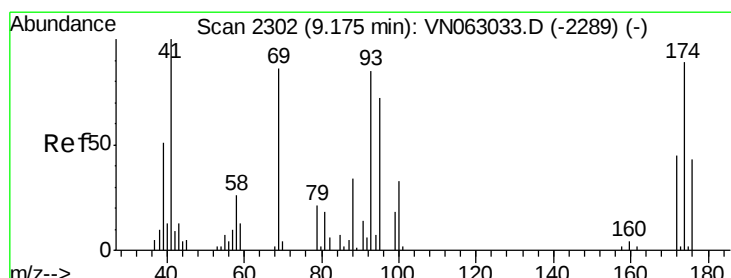
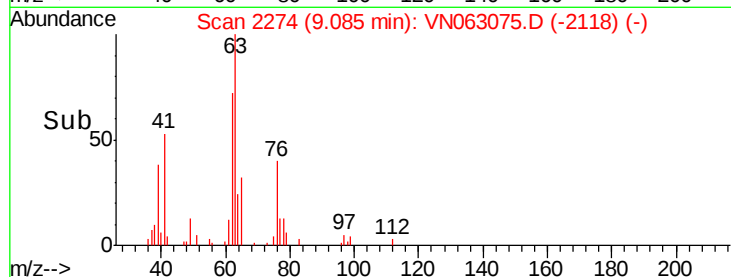
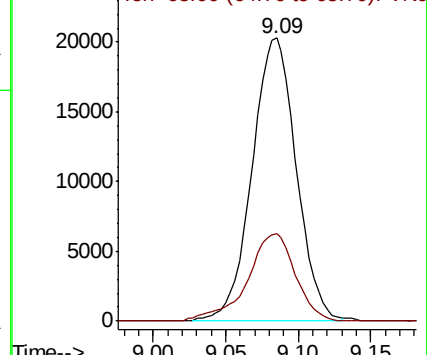
63 100

65 30.8 25.1 37.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.468 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

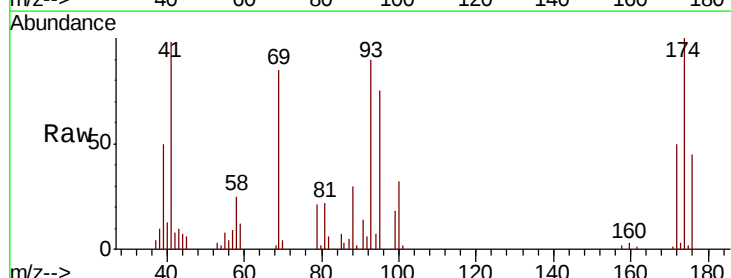
Tgt Ion: 93 Resp: 24640

Ion Ratio Lower Upper

93 100

95 84.3 0.0 168.2

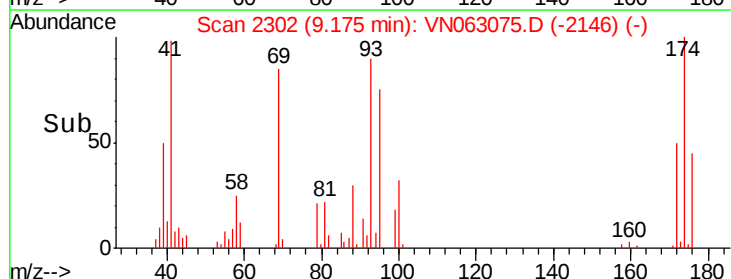
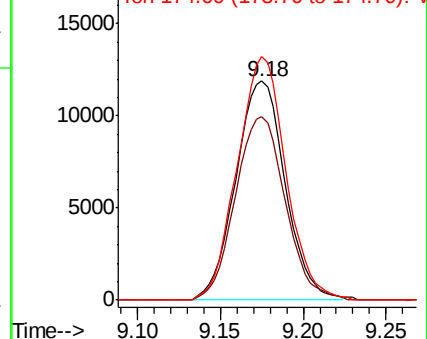
174 109.2 0.0 208.4

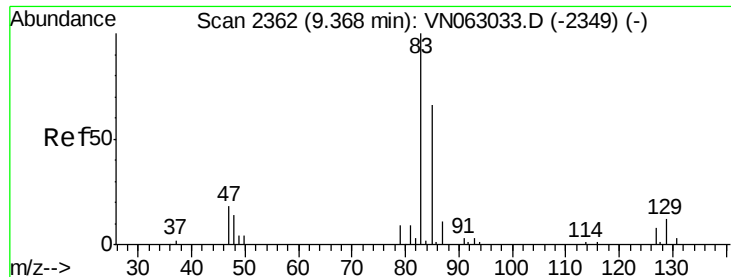


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.305 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

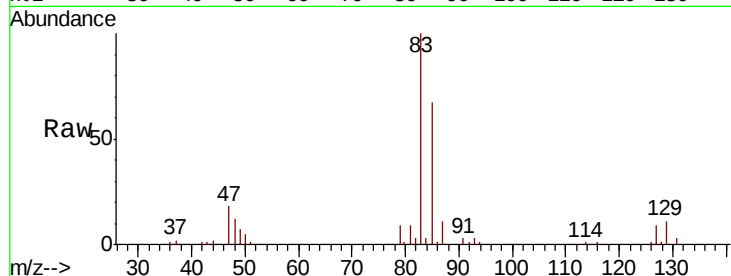
Tot Ion: 83 Resp: 54148

Ion Ratio Lower Upper

83 100

85 66.5 52.6 79.0

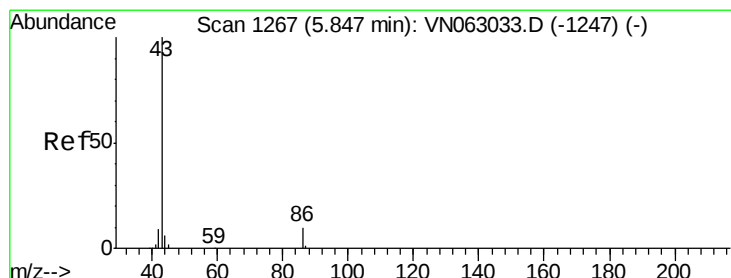
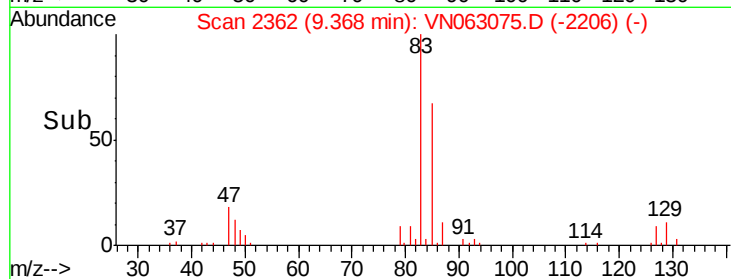
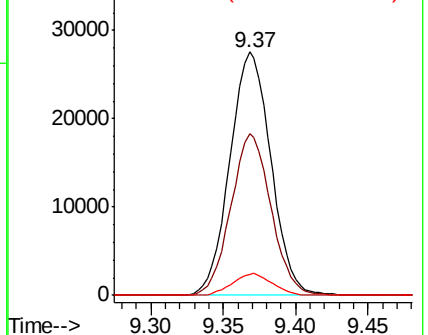
127 8.8 7.4 11.0



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): VN0



#42

Vinyl Acetate

Concen: 91.888 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN063075.D

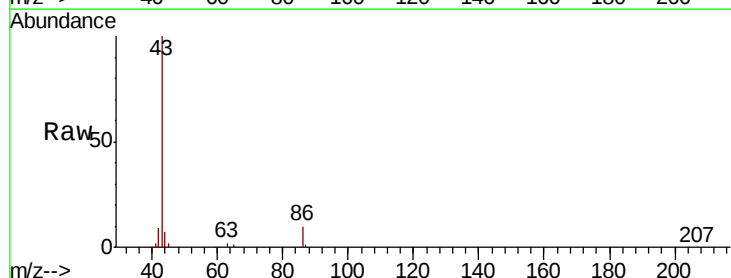
Acq: 21 Aug 2020 12:54

Tgt Ion: 43 Resp: 379220

Ion Ratio Lower Upper

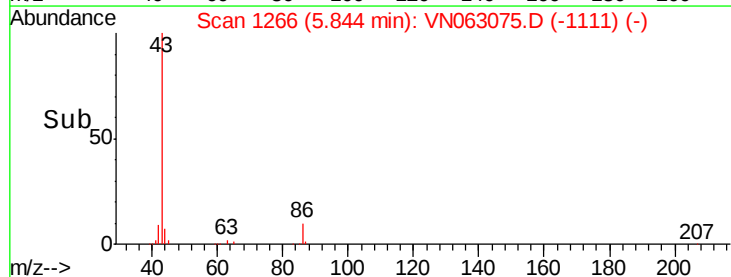
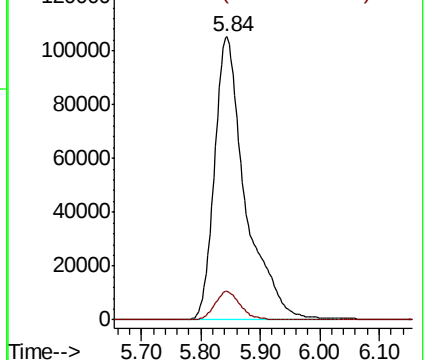
43 100

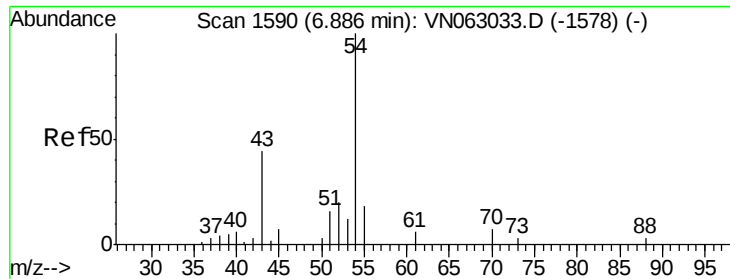
86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.291 ug/l

RT: 6.89 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

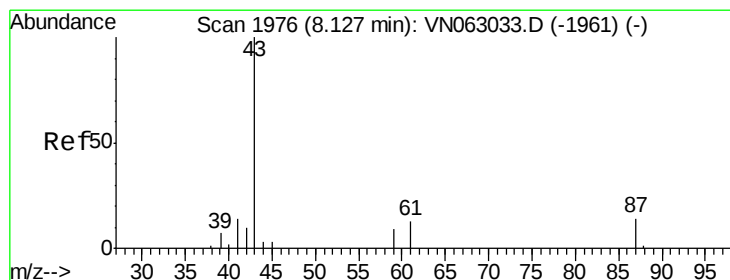
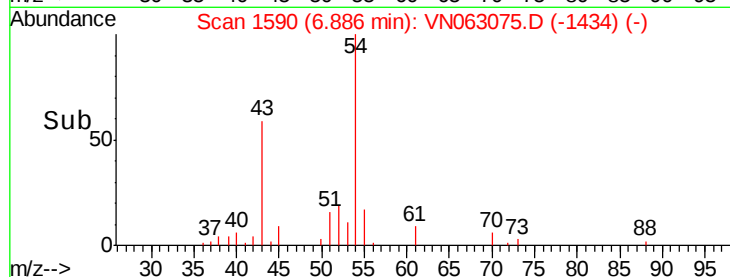
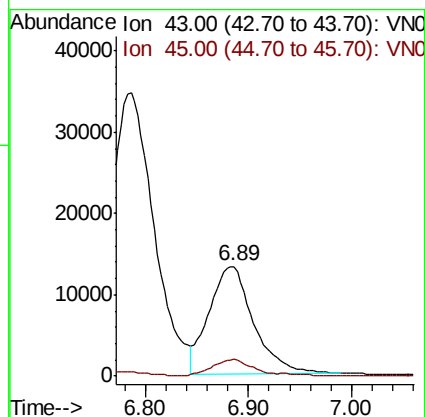
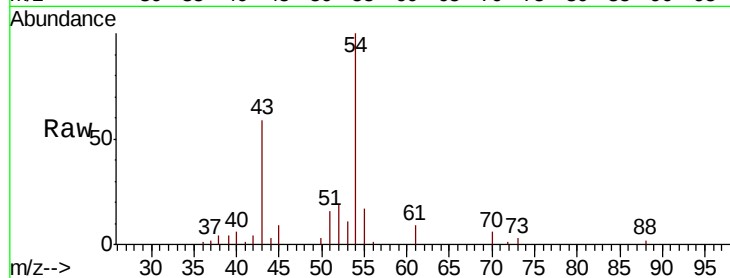
VN0821WBS01

Tot Ion: 43 Resp: 40114

Ion Ratio Lower Upper

43 100

45 13.6 11.3 16.9



#44

Isopropyl Acetate

Concen: 19.144 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN063075.D

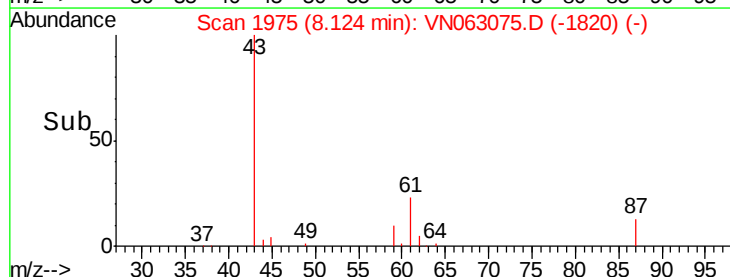
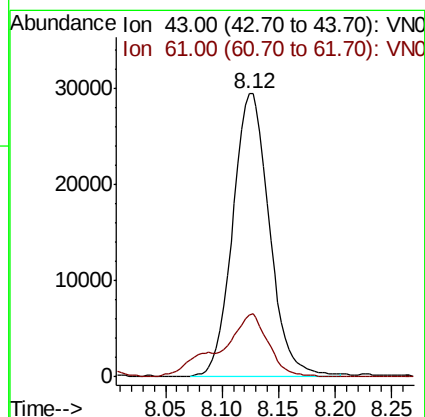
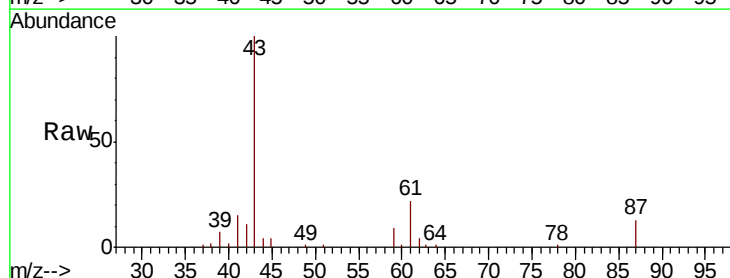
Acq: 21 Aug 2020 12:54

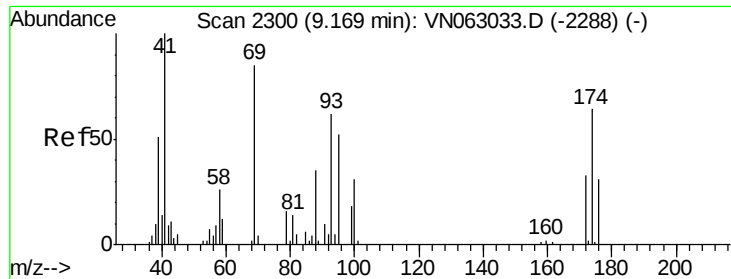
Tgt Ion: 43 Resp: 66826

Ion Ratio Lower Upper

43 100

61 21.6 17.5 26.3

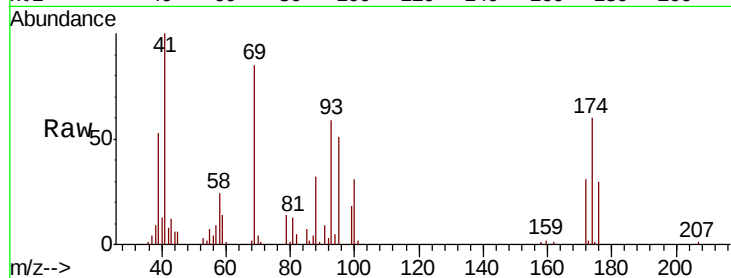




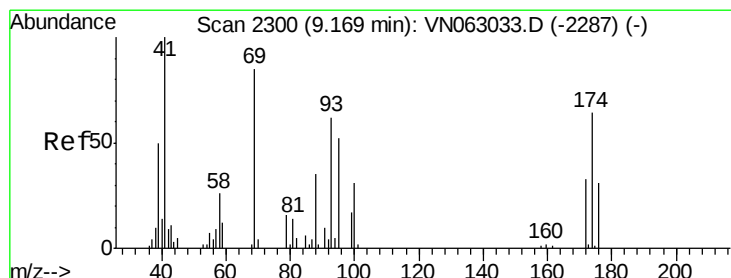
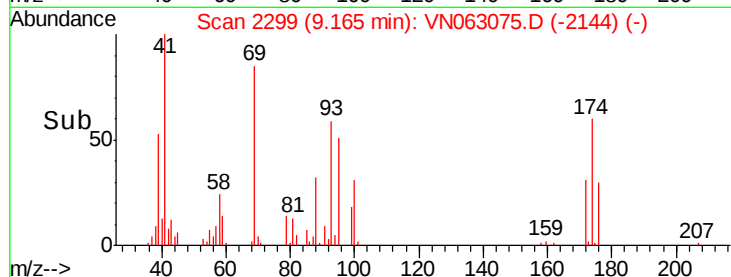
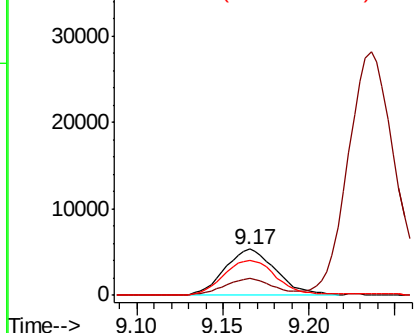
#45
 1,4-Dioxane
 Concen: 340.705 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS01

Tot Ion: 88 Resp: 11139
 Ion Ratio Lower Upper
 88 100
 43 35.2 28.5 42.7
 58 77.1 59.6 89.4

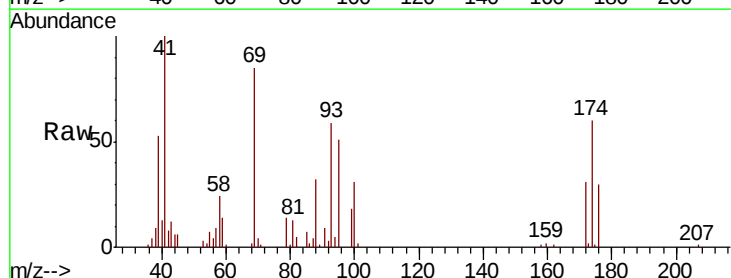


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

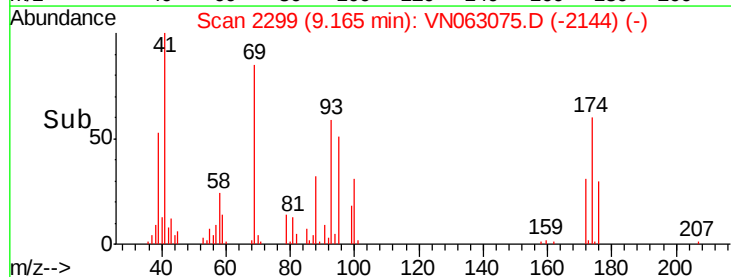
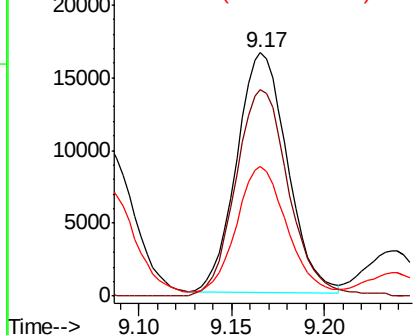


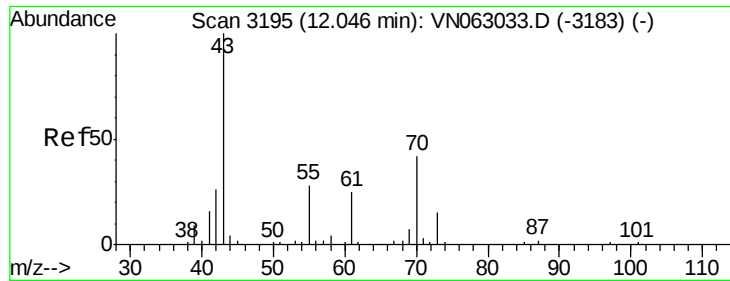
#46
 Methyl methacrylate
 Concen: 18.229 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion: 41 Resp: 31329
 Ion Ratio Lower Upper
 41 100
 69 86.6 42.6 128.0
 39 52.5 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

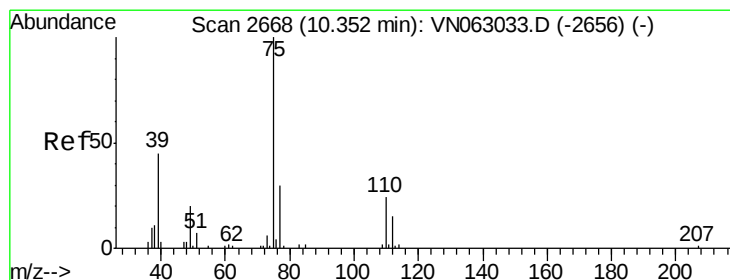
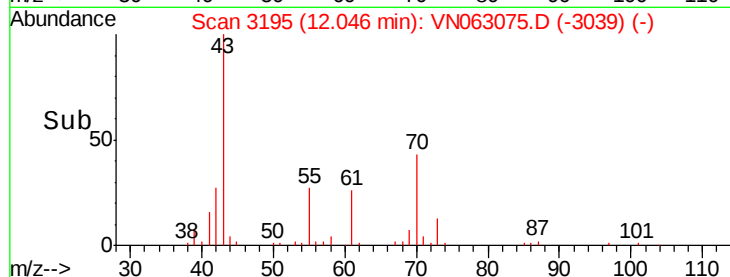
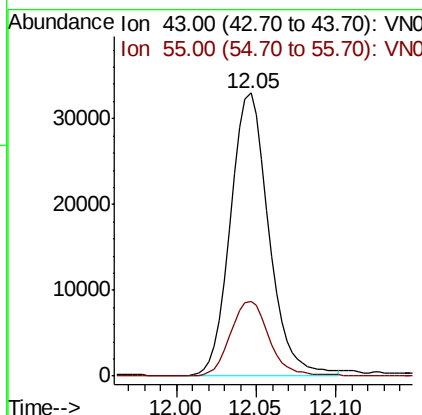
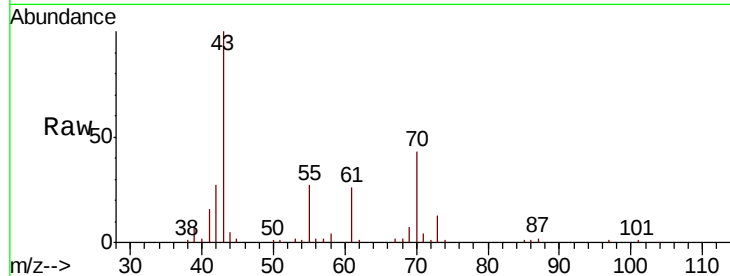




#47
n-amvl Acetate
Concen: 17.443 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

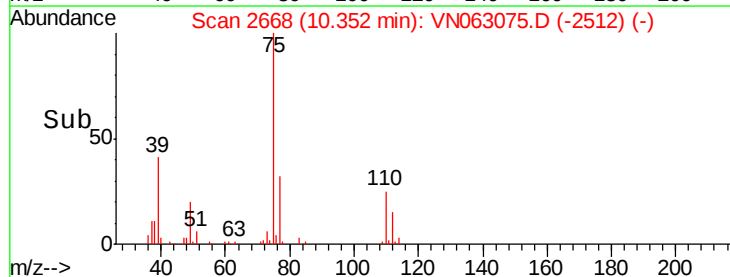
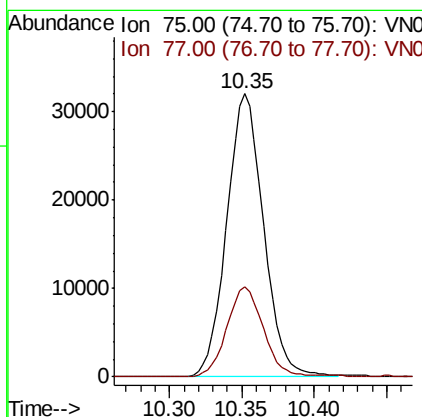
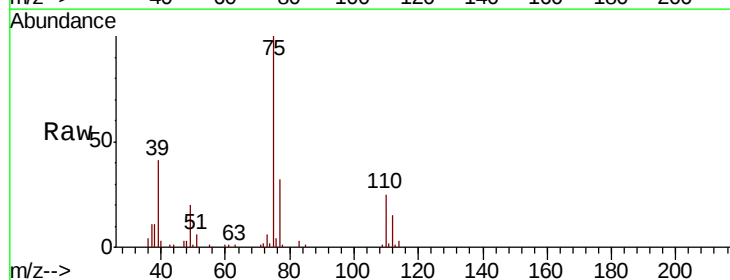
Instrument :
MSVOA_N
ClientSampled :
VN0821WBS01

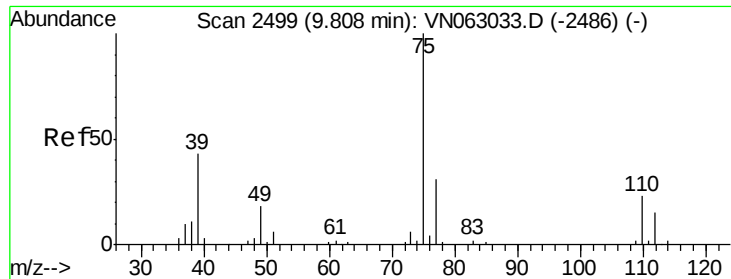
Tot Ion: 43 Resp: 54042
Ion Ratio Lower Upper
43 100
55 26.4 21.2 31.8



#48
t-1,3-Dichloropropene
Concen: 19.028 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion: 75 Resp: 56366
Ion Ratio Lower Upper
75 100
77 31.7 23.8 35.8



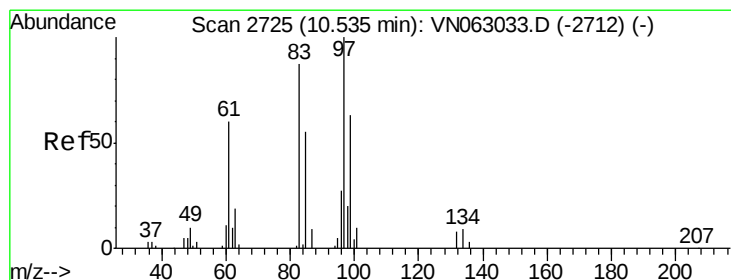
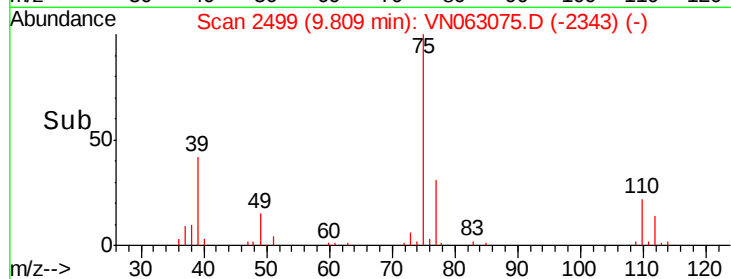
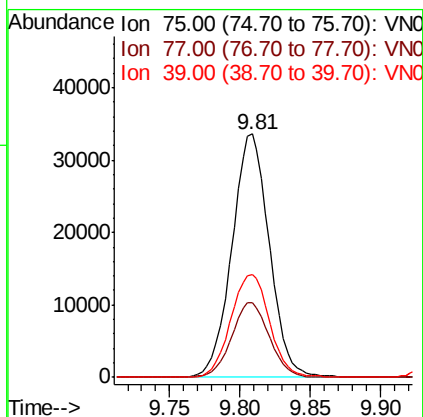
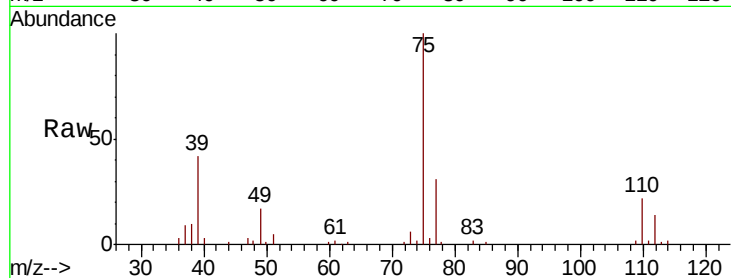


#49

cis-1,3-Dichloropropene
Concen: 19.362 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

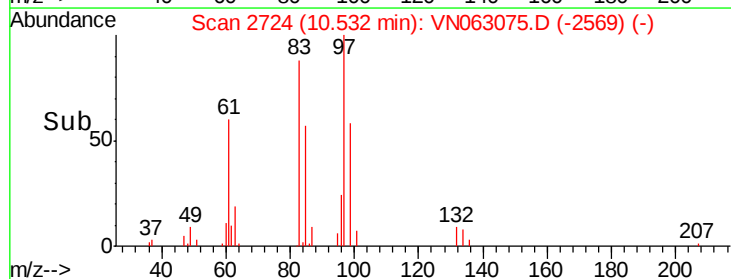
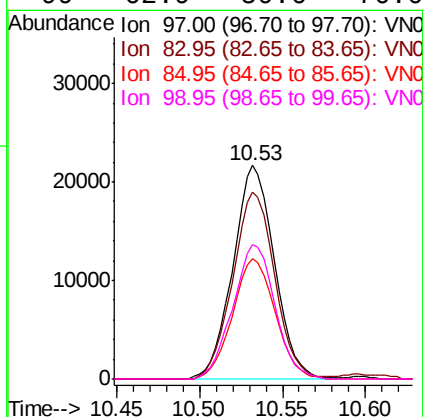
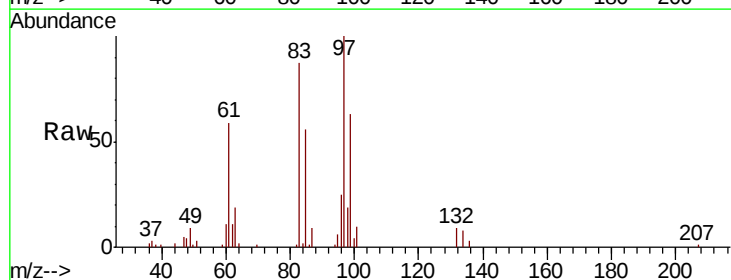
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.8	37.2
39	42.4	34.5	51.7

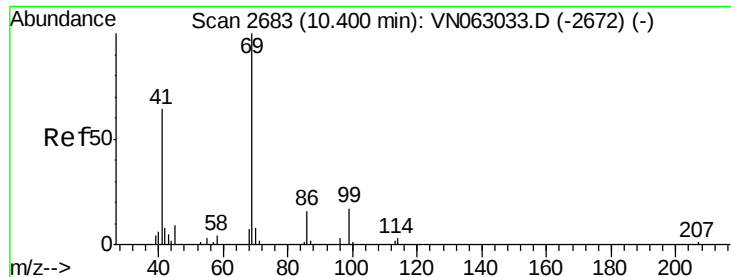


#50

1,1,2-Trichloroethane
Concen: 19.354 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.9	104.9
85	56.5	44.0	66.0
99	62.9	50.6	76.0





#51

Ethyl methacrylate

Concen: 18.715 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

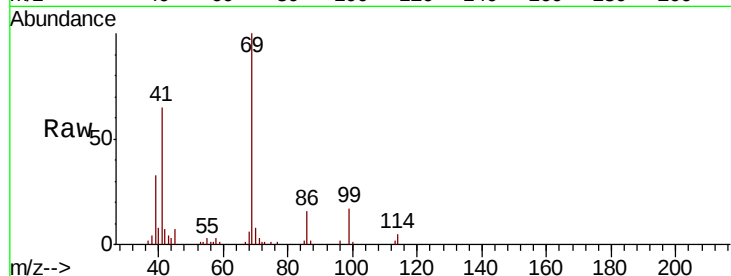
Tot Ion: 69 Resp: 49689

Ion Ratio Lower Upper

69 100

41 64.7 32.1 96.5

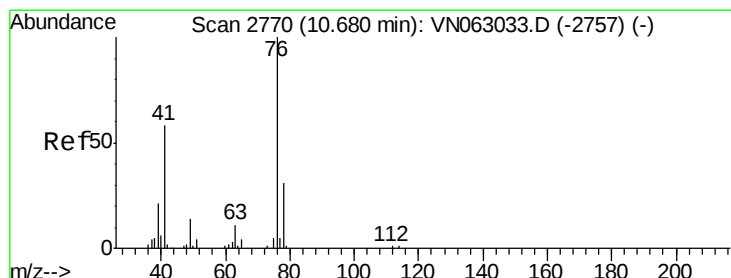
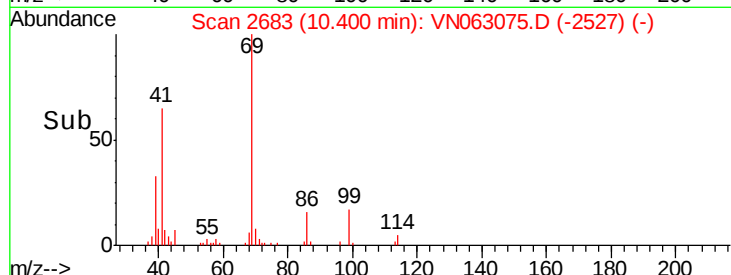
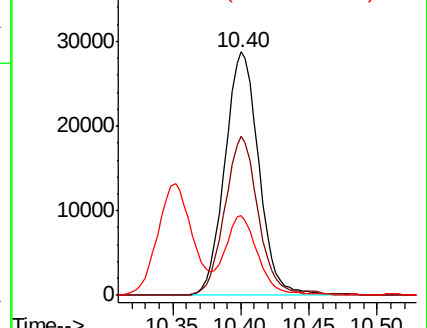
39 32.7 16.1 48.3



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: 19.477 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063075.D

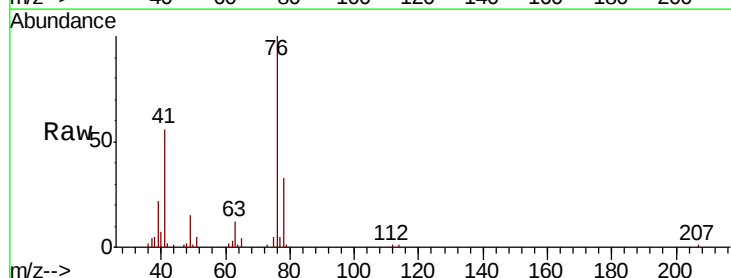
Acq: 21 Aug 2020 12:54

Tgt Ion: 76 Resp: 62797

Ion Ratio Lower Upper

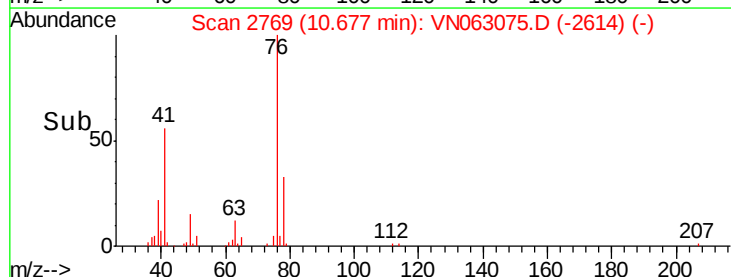
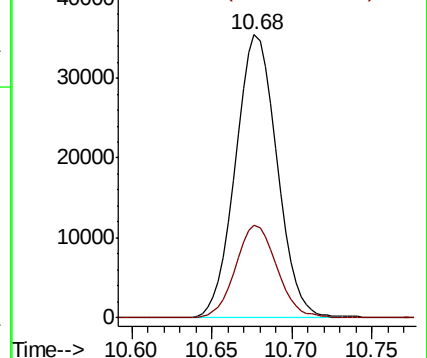
76 100

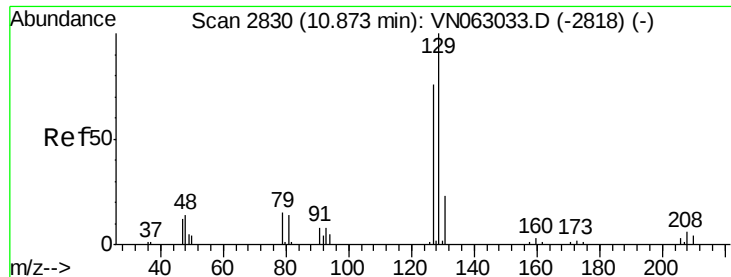
78 32.5 0.0 63.2



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: 19.451 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

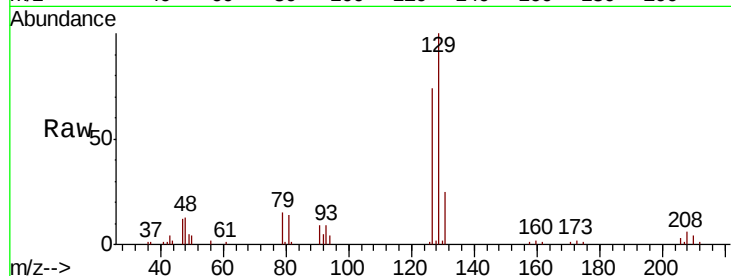
VN0821WBS01

Tot Ion:129 Resp: 41655

Ion Ratio Lower Upper

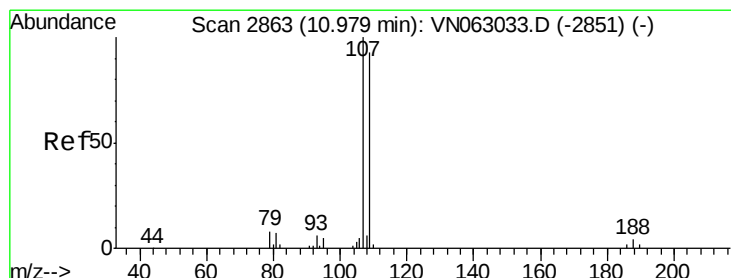
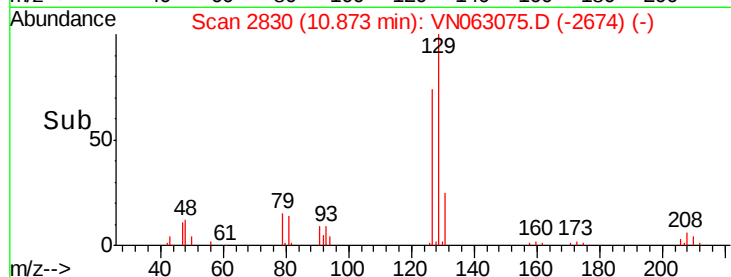
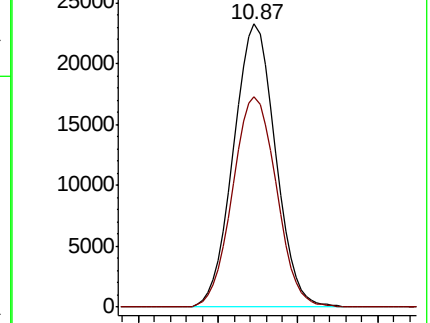
129 100

127 77.4 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: 19.401 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN063075.D

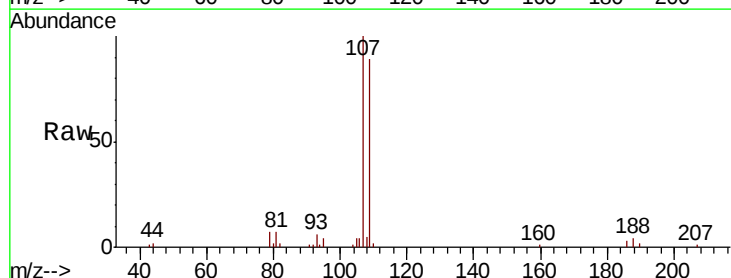
Acq: 21 Aug 2020 12:54

Tgt Ion:107 Resp: 36320

Ion Ratio Lower Upper

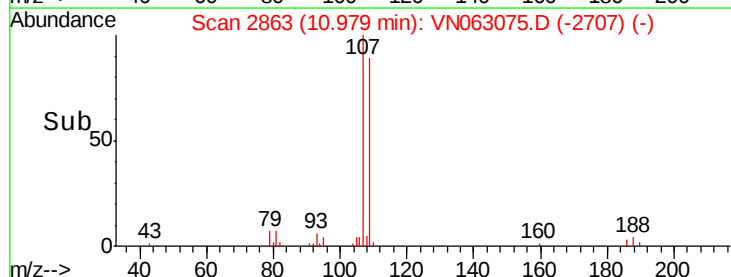
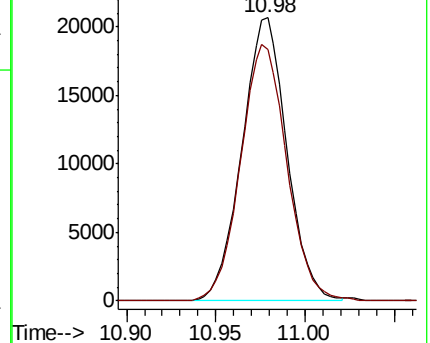
107 100

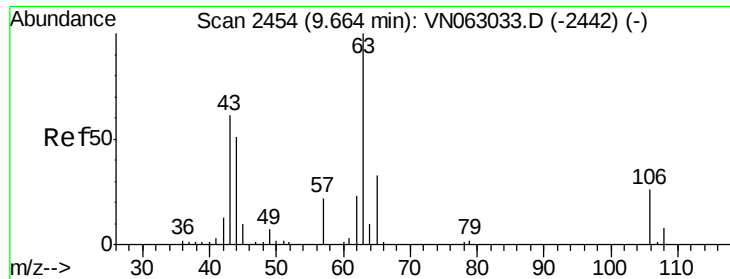
109 93.1 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

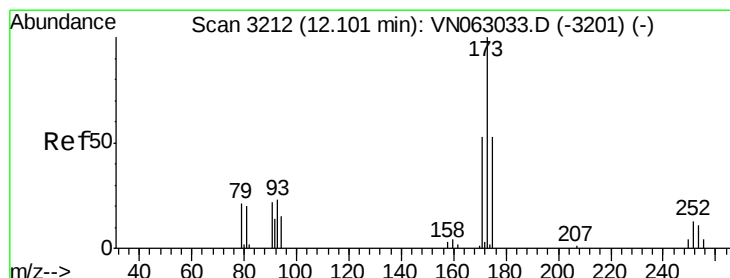
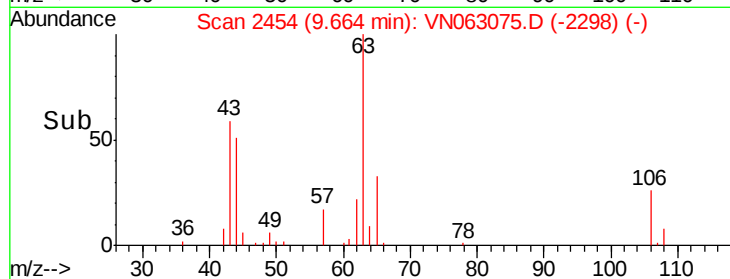
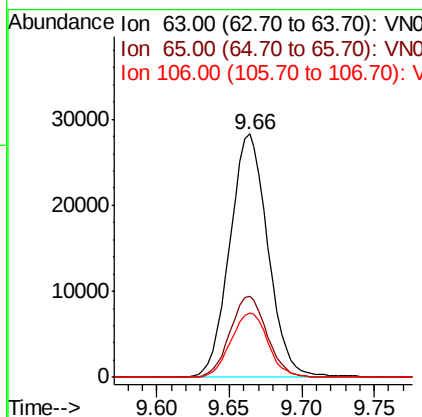
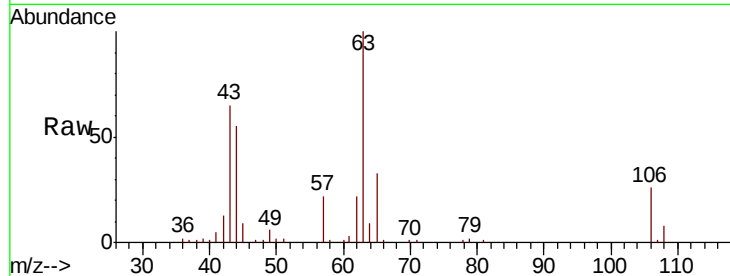




#55
2-Chloroethyl vinyl ether
Concen: 94.770 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

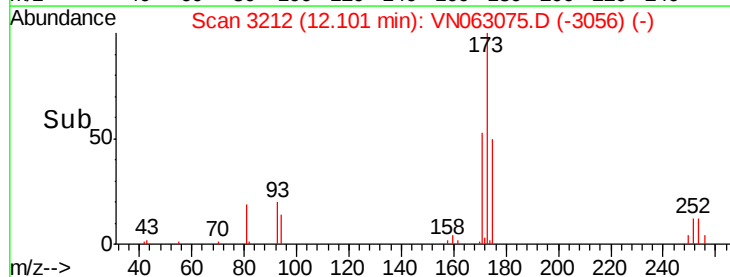
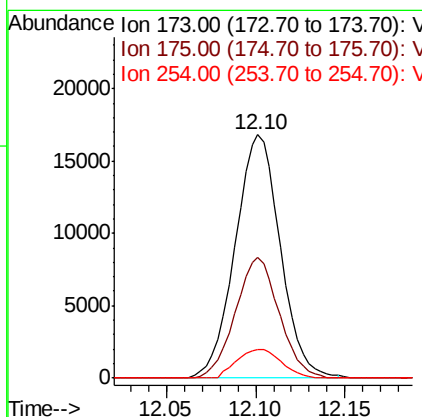
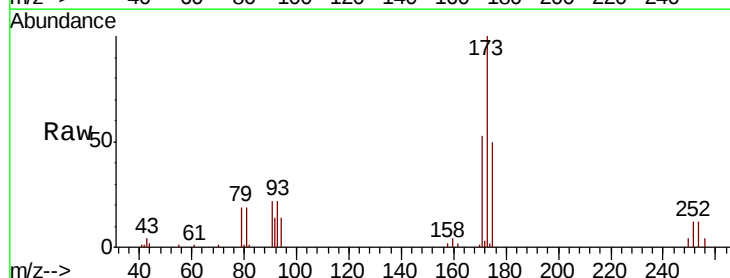
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

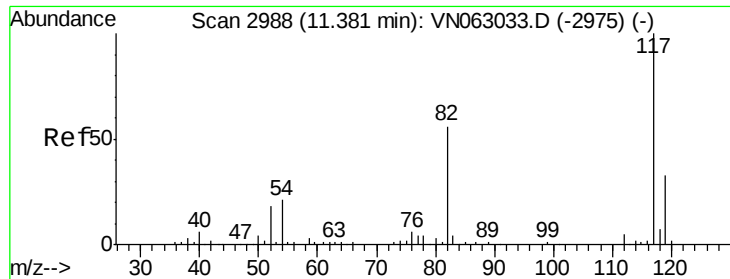
Tot Ion	63	Resp	51685
Ion Ratio	Lower	Upper	
63	100		
65	32.1	25.9	38.9
106	25.6	19.9	29.9



#56
Bromoform
Concen: 18.956 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion	173	Resp	29727
Ion Ratio	Lower	Upper	
173	100		
175	48.0	41.2	61.8
254	11.6	9.0	13.4

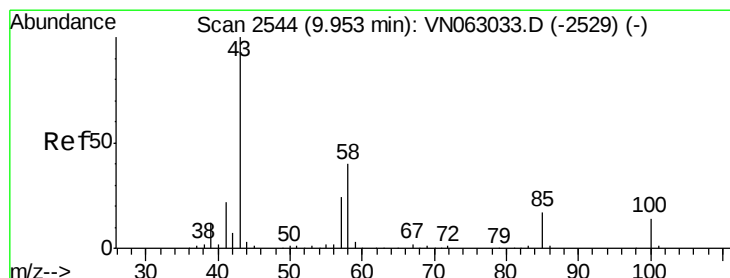
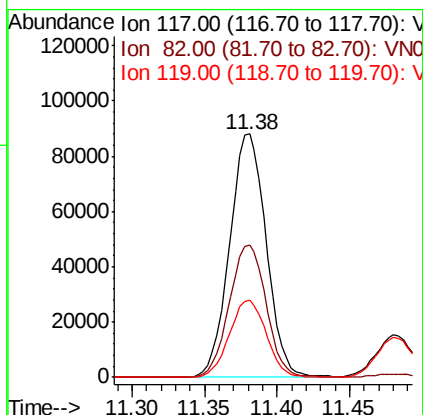
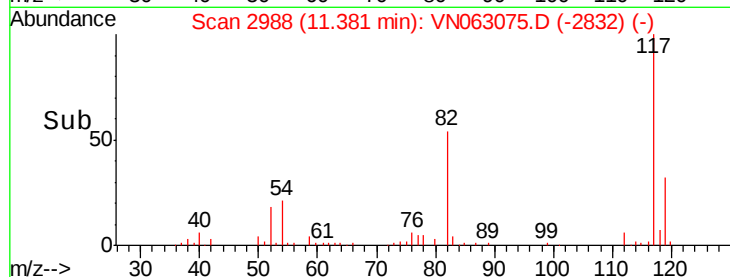
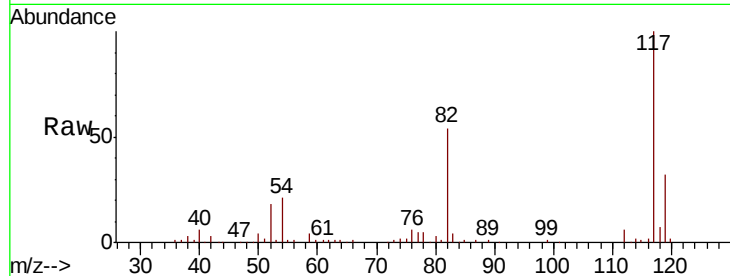




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

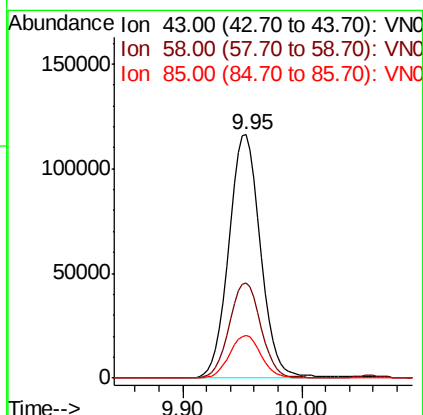
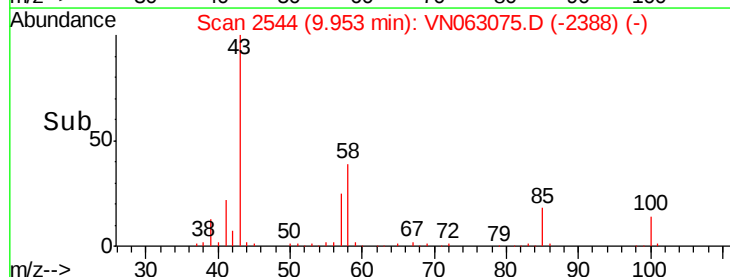
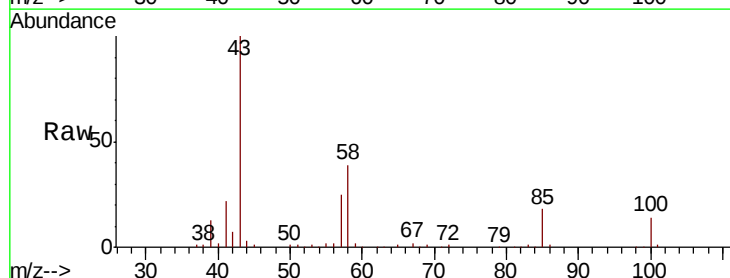
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

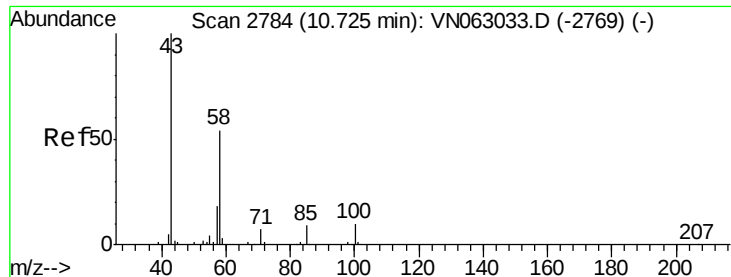
Tot Ion:117 Resp: 154201
Ion Ratio Lower Upper
117 100
82 55.0 44.9 67.3
119 31.8 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 97.169 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion: 43 Resp: 215545
Ion Ratio Lower Upper
43 100
58 39.1 31.4 47.0
85 17.3 13.4 20.2

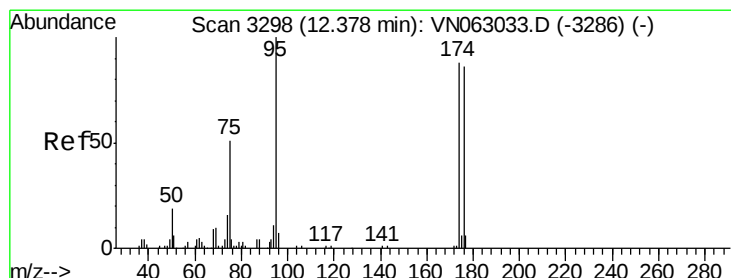
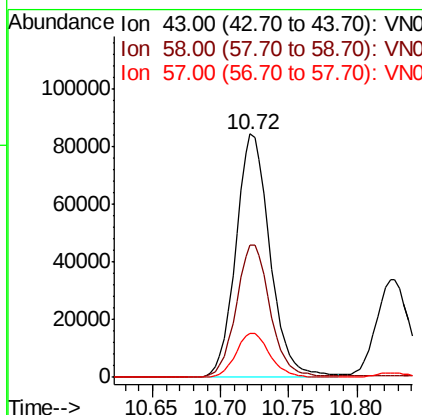
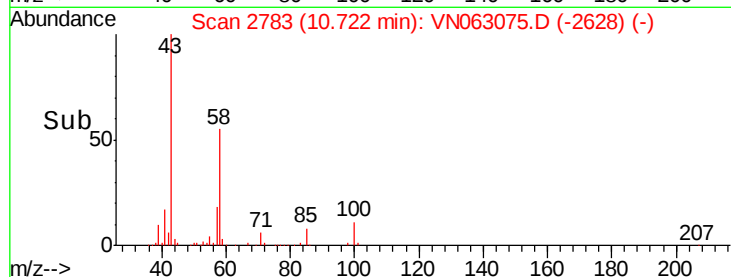
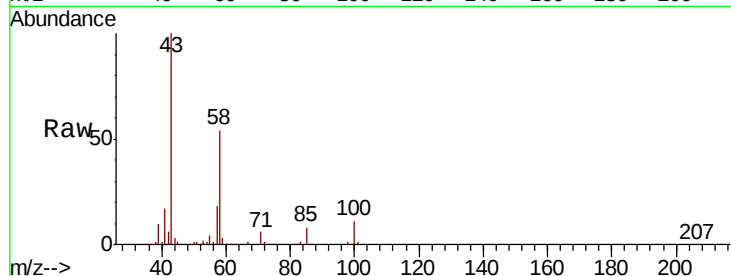




#59
2-Hexanone
Concen: 92.585 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

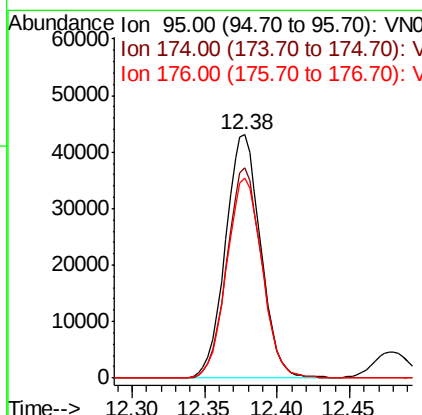
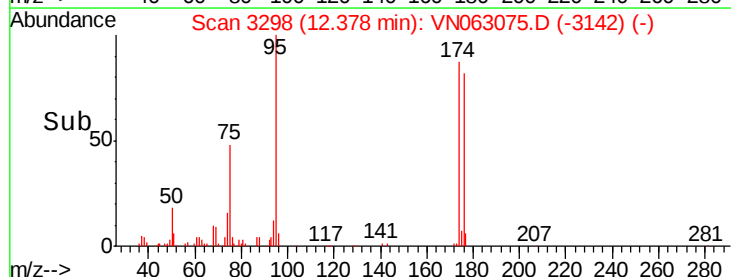
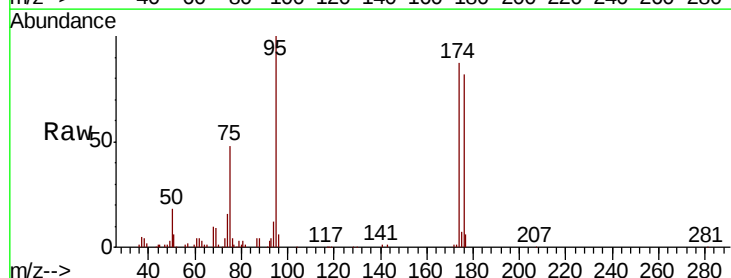
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

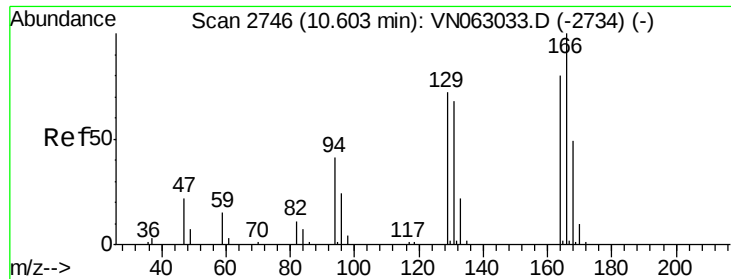
Tot Ion: 43 Resp: 146506
Ion Ratio Lower Upper
43 100
58 54.4 42.6 64.0
57 18.1 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 29.770 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion: 95 Resp: 72540
Ion Ratio Lower Upper
95 100
174 85.8 70.1 105.1
176 83.0 66.8 100.2





#61

Tetrachloroethene

Concen: 19.305 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

Tot Ion:164 Resp: 32634

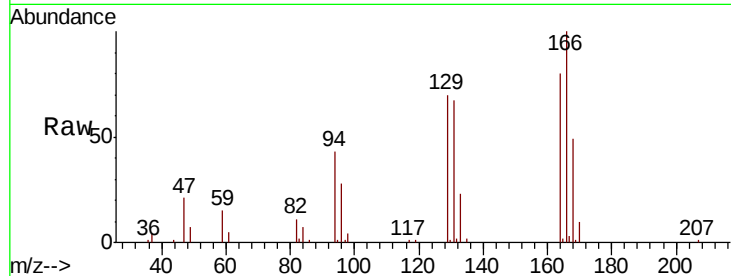
Ion Ratio Lower Upper

164 100

166 124.7 100.1 150.1

129 87.3 72.5 108.7

131 83.8 68.4 102.6

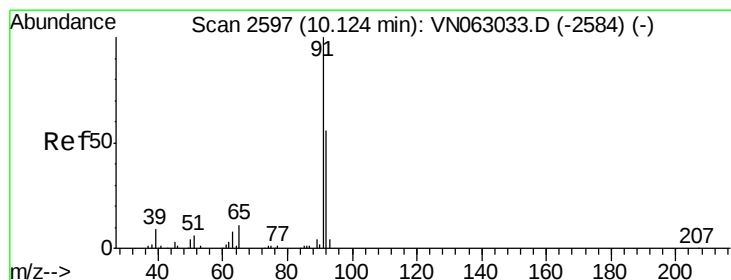
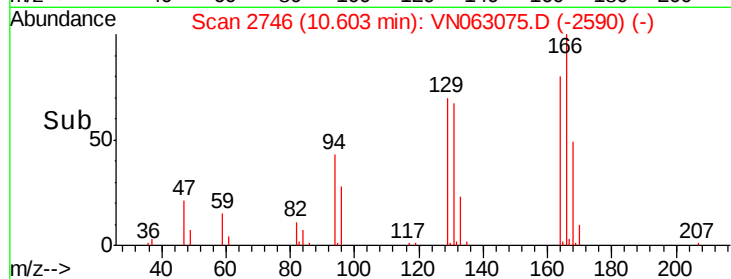
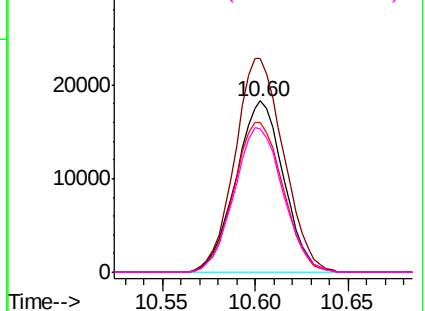


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.250 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN063075.D

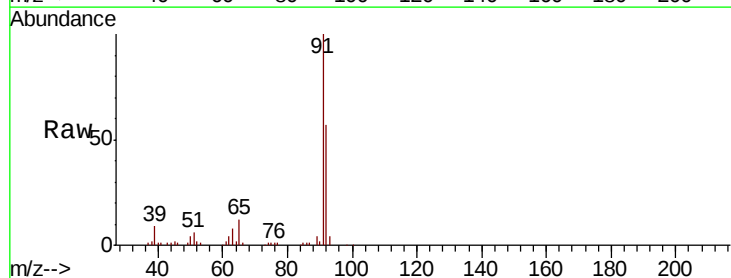
Acq: 21 Aug 2020 12:54

Tgt Ion: 91 Resp: 157321

Ion Ratio Lower Upper

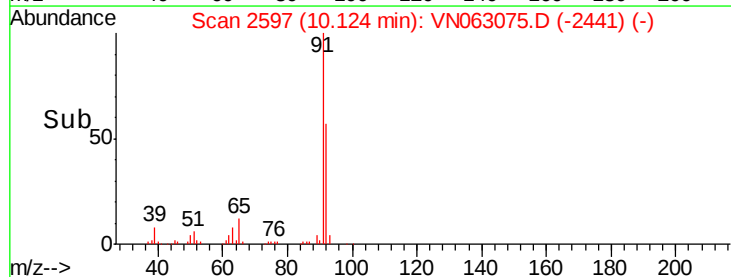
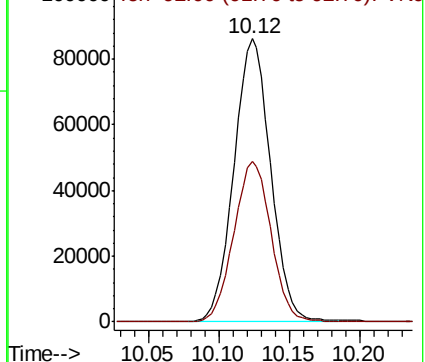
91 100

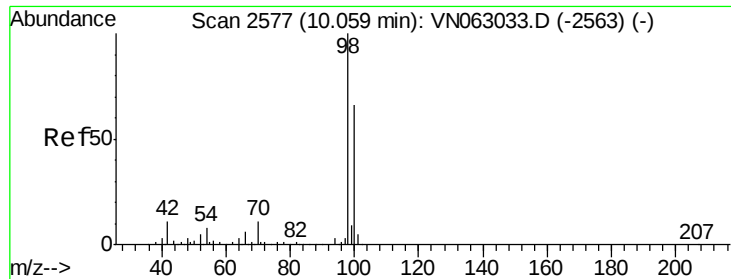
92 57.6 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.204 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampled :

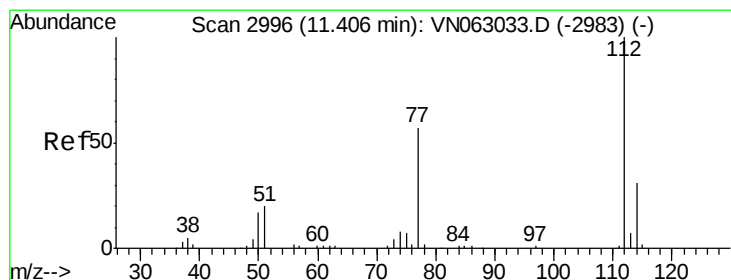
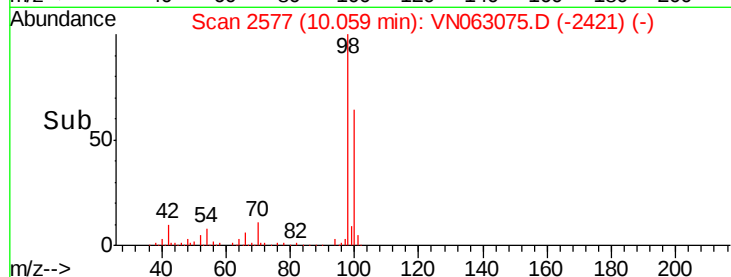
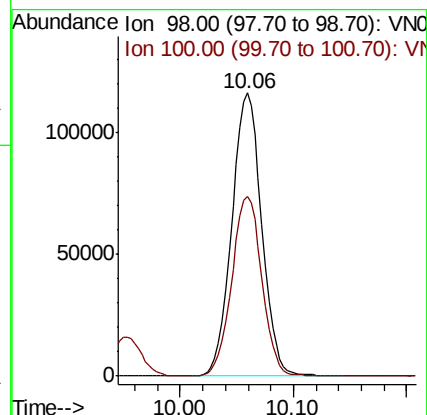
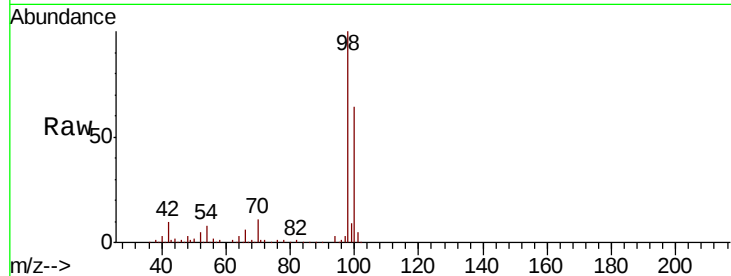
VN0821WBS01

Tot Ion: 98 Resp: 213751

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.2



#64

Chlorobenzene

Concen: 19.372 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN063075.D

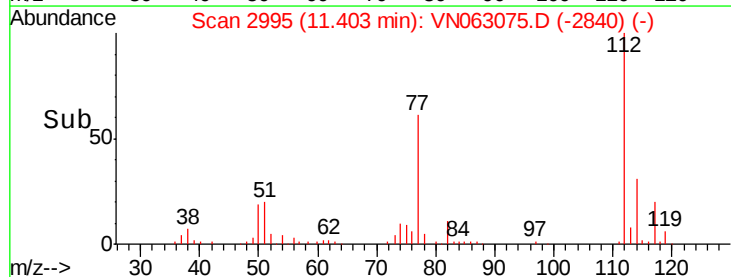
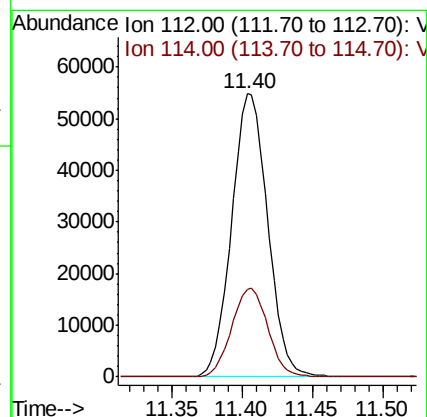
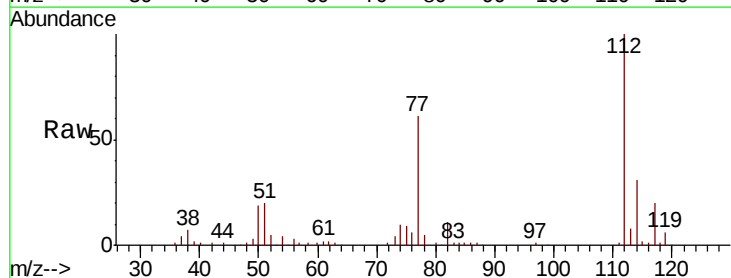
Acq: 21 Aug 2020 12:54

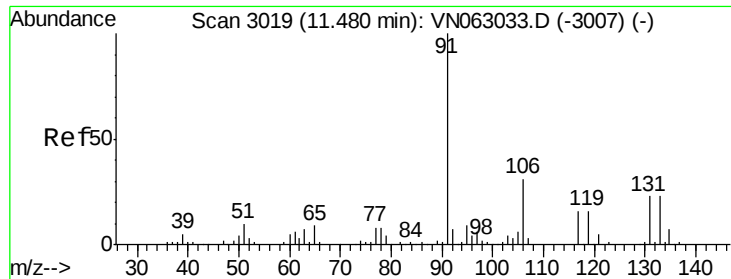
Tgt Ion: 112 Resp: 97962

Ion Ratio Lower Upper

112 100

114 31.0 25.1 37.7

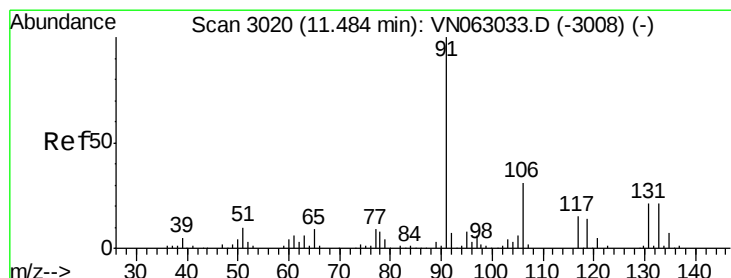
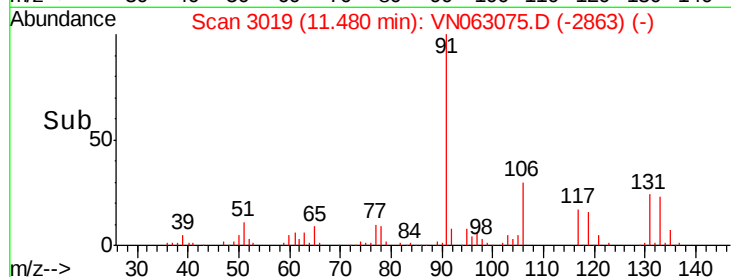
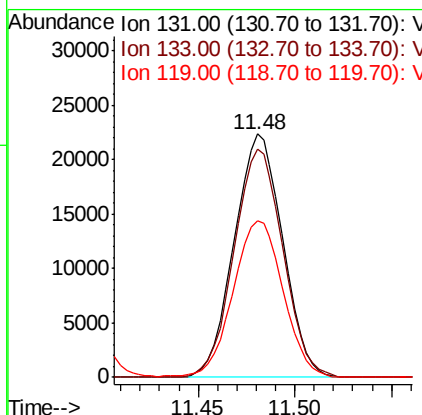
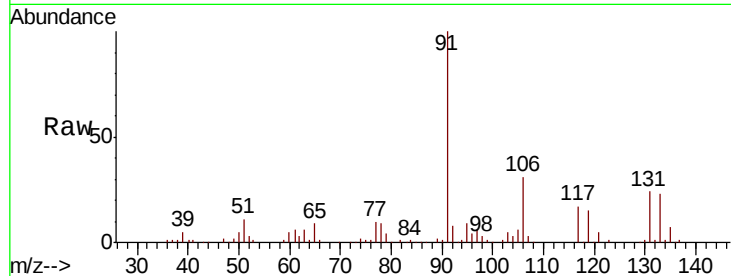




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.475 ug/l
 RT: 11.48 min Scan# 3019
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

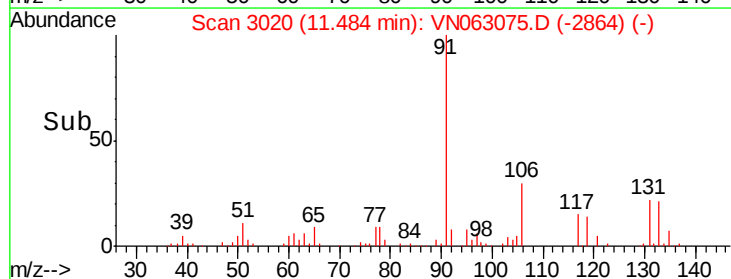
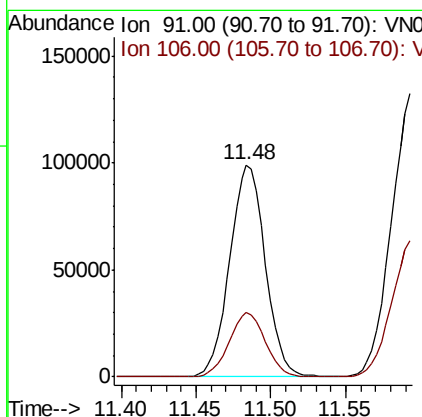
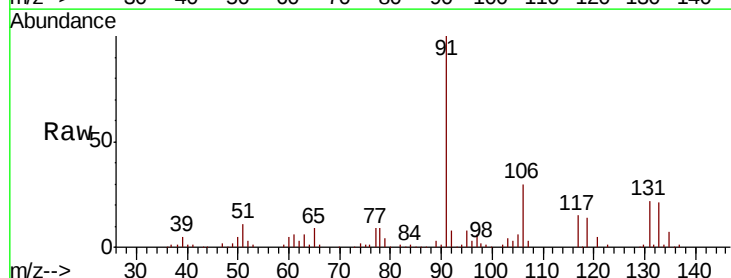
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS01

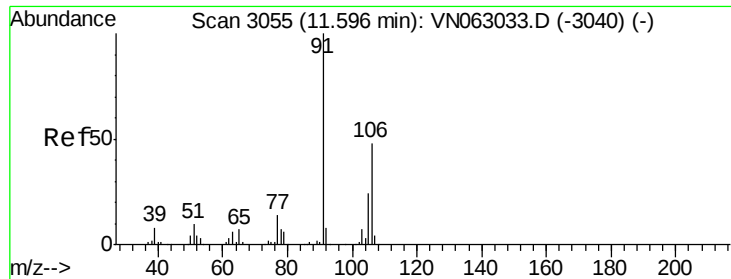
Tot Ion:131 Resp: 39033
 Ion Ratio Lower Upper
 131 100
 133 94.5 0.0 191.2
 119 66.1 0.0 134.2



#66
 Ethyl Benzene
 Concen: 18.434 ug/l
 RT: 11.48 min Scan# 3020
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion: 91 Resp: 164221
 Ion Ratio Lower Upper
 91 100
 106 30.3 25.0 37.4





#67

m/p-Xylenes

Concen: 37.468 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampled :

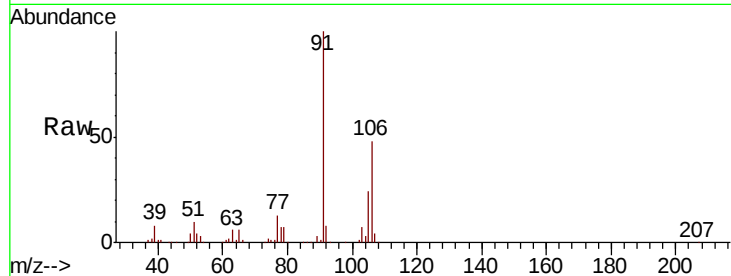
VN0821WBS01

Tot Ion:106 Resp: 125042

Ion Ratio Lower Upper

106 100

91 207.4 164.9 247.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

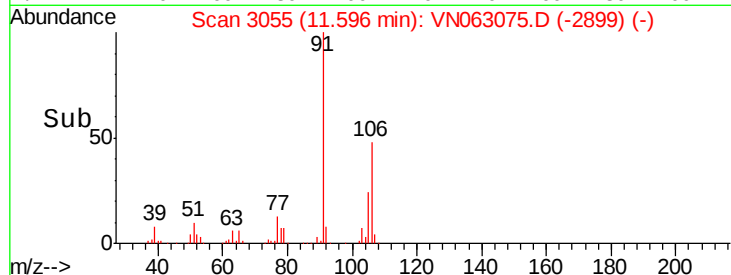
150000

100000

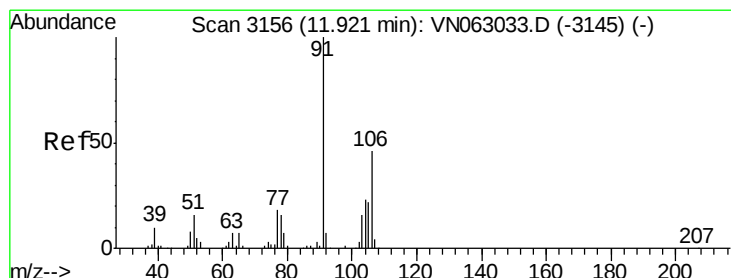
50000

0

11.50 11.55 11.60 11.65



Time-->



#68

o-Xylene

Concen: 18.615 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN063075.D

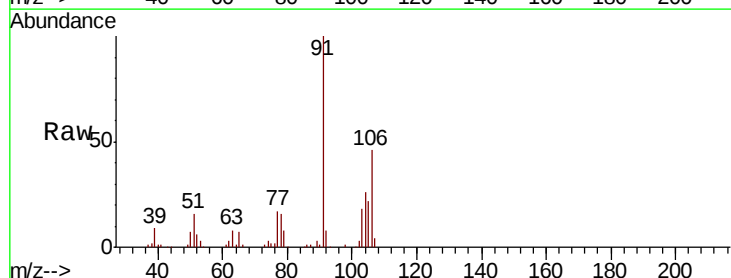
Acq: 21 Aug 2020 12:54

Tgt Ion:106 Resp: 59675

Ion Ratio Lower Upper

106 100

91 216.3 108.0 324.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

80000

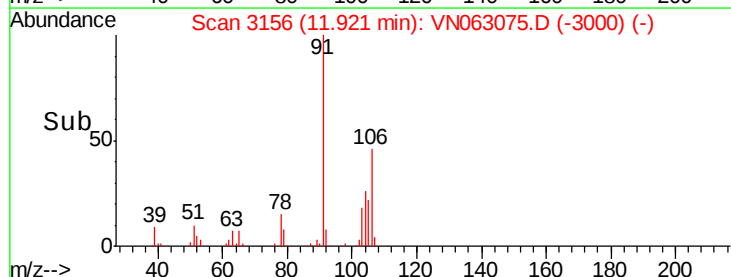
60000

40000

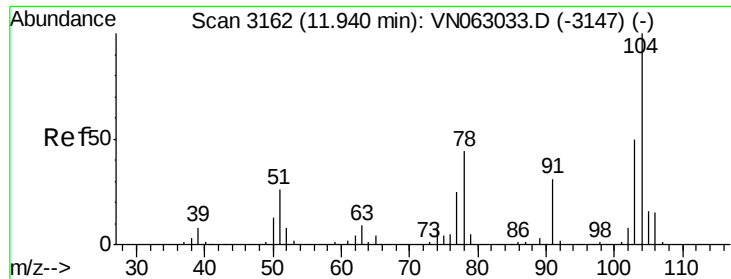
20000

0

11.85 11.90 11.95 12.00



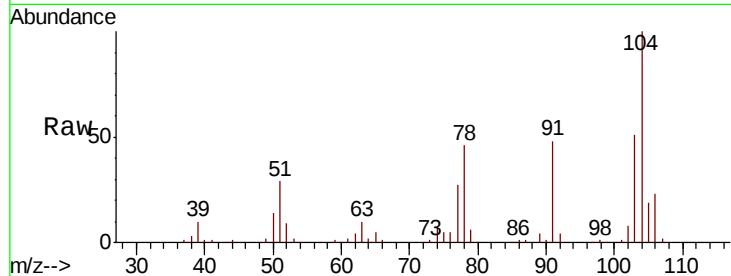
Time-->



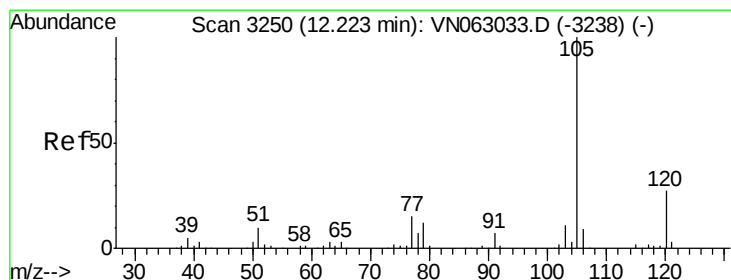
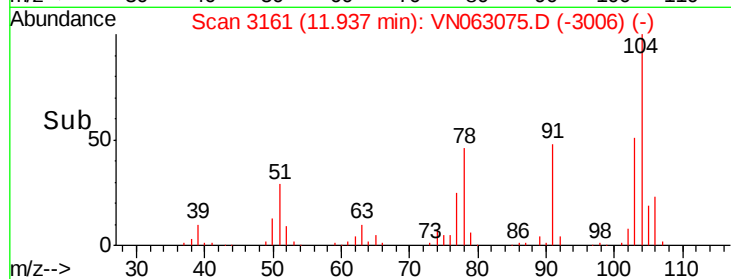
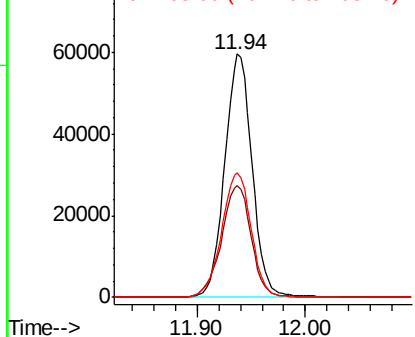
#69
Stvrene
Concen: 18.862 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

Tot Ion:104 Resp: 105632
Ion Ratio Lower Upper
104 100
78 49.4 39.6 59.4
103 54.8 44.4 66.6

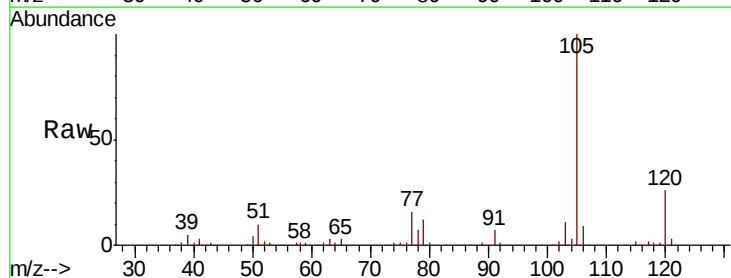


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

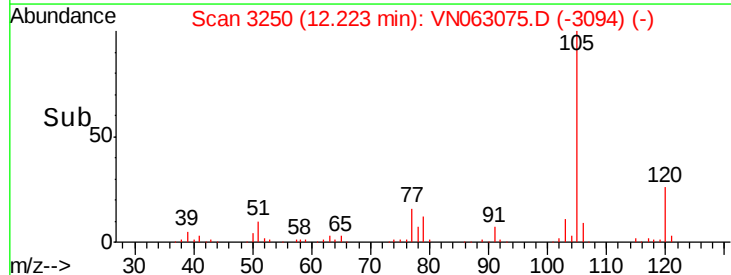
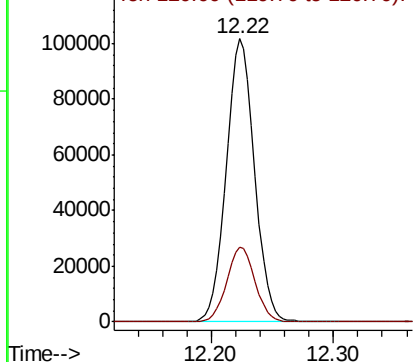


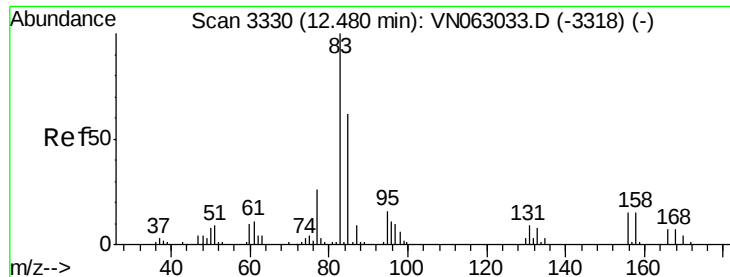
#70
Isopropylbenzene
Concen: 18.909 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion:105 Resp: 164907
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

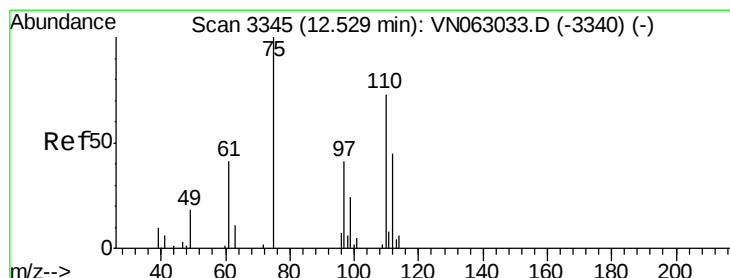
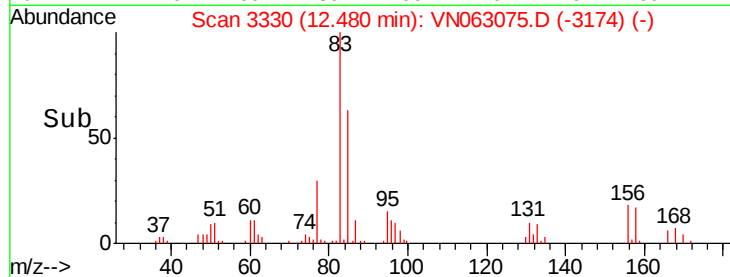
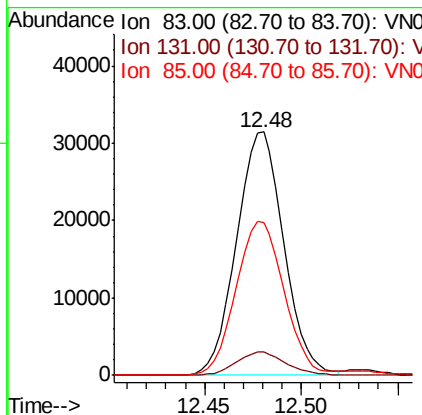
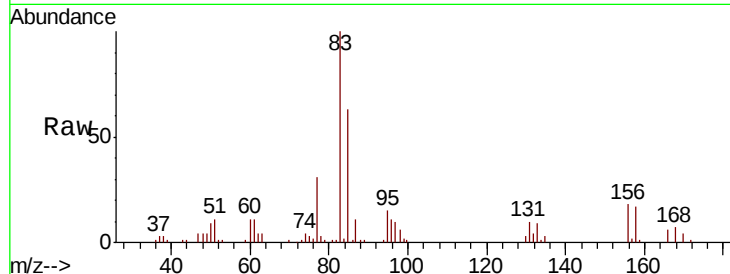




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.131 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

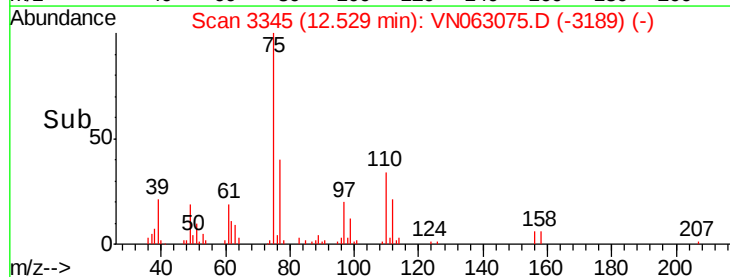
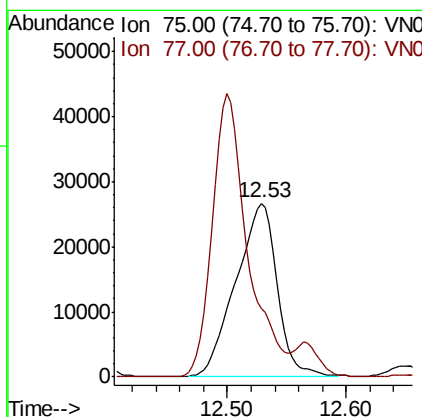
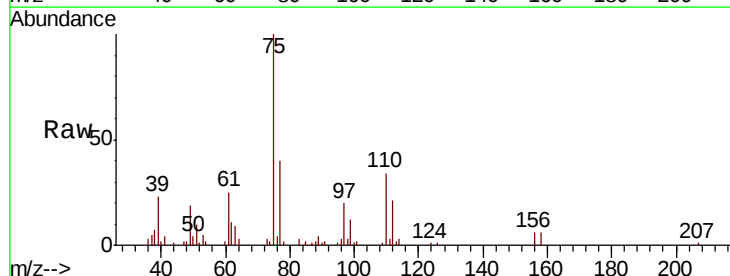
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS01

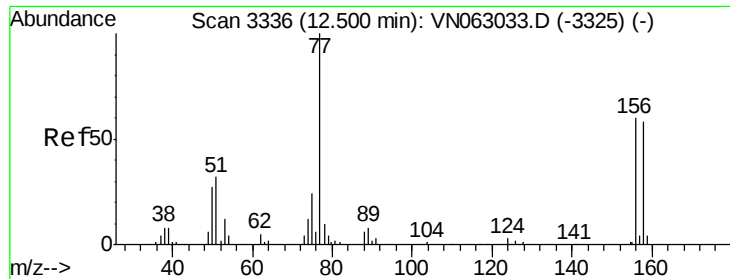
Tot Ion: 83 Resp: 53504
 Ion Ratio Lower Upper
 83 100
 131 10.1 4.5 13.7
 85 64.1 31.8 95.3



#72
 1,2,3-Trichloropropane
 Concen: 25.935 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion: 75 Resp: 64359
 Ion Ratio Lower Upper
 75 100
 77 138.6 0.0 387.8





#73

Bromobenzene

Concen: 18.911 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

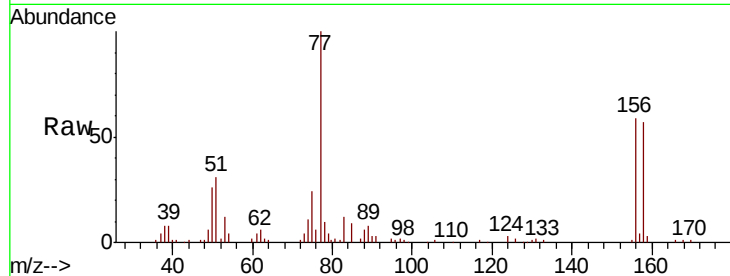
Tot Ion:156 Resp: 44474

Ion Ratio Lower Upper

156 100

77 200.6 0.0 398.6

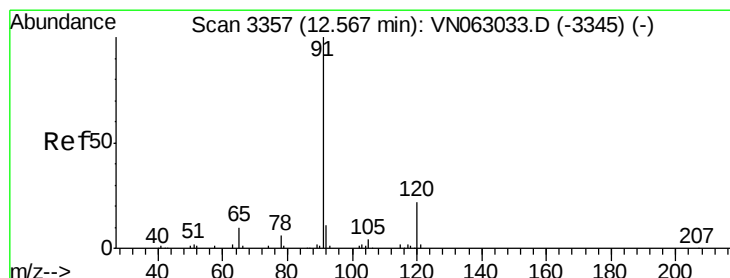
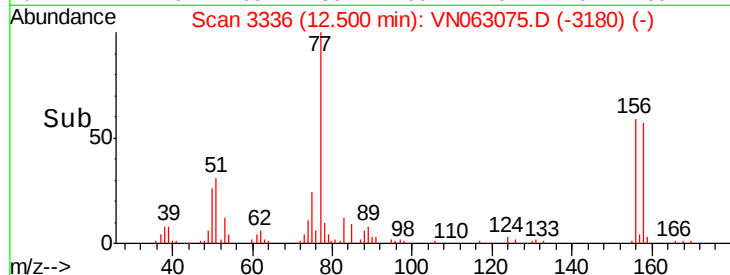
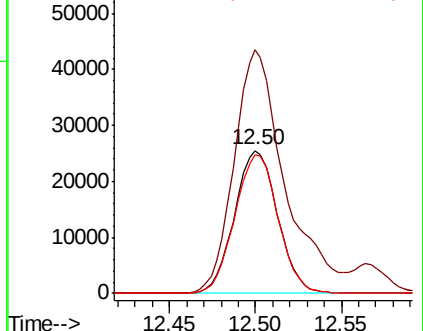
158 97.0 0.0 195.4



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: 18.636 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063075.D

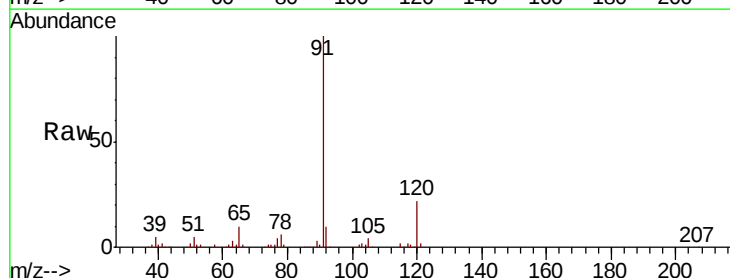
Acq: 21 Aug 2020 12:54

Tgt Ion: 91 Resp: 194950

Ion Ratio Lower Upper

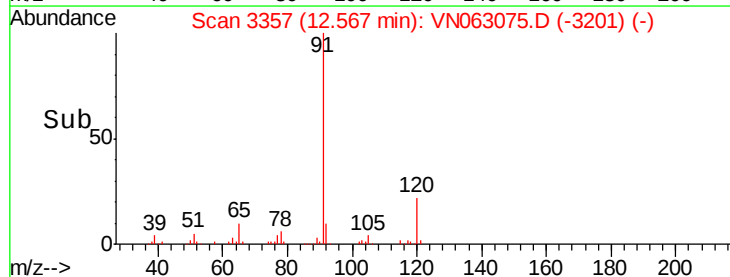
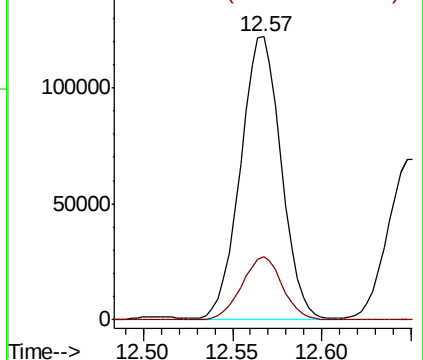
91 100

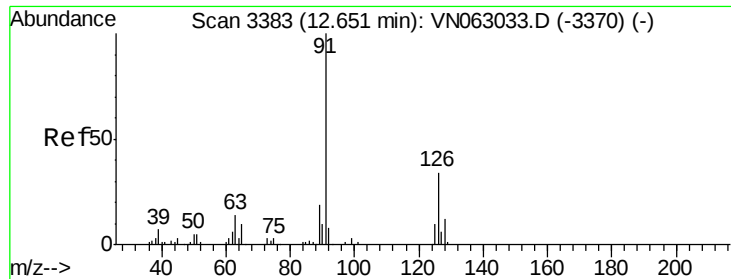
120 22.1 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

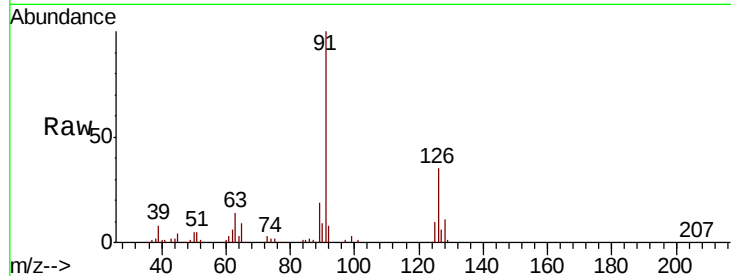




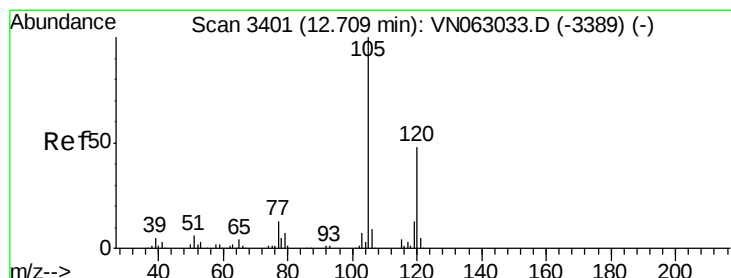
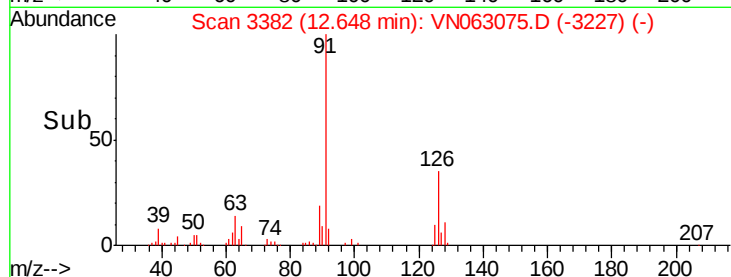
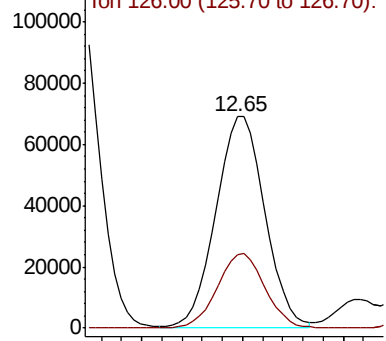
#75
2-Chlorotoluene
Concen: 18.870 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Instrument :
MSVOA_N
ClientSampled :
VN0821WBS01

Tot Ion: 91 Resp: 117655
Ion Ratio Lower Upper
91 100
126 34.2 0.0 68.0

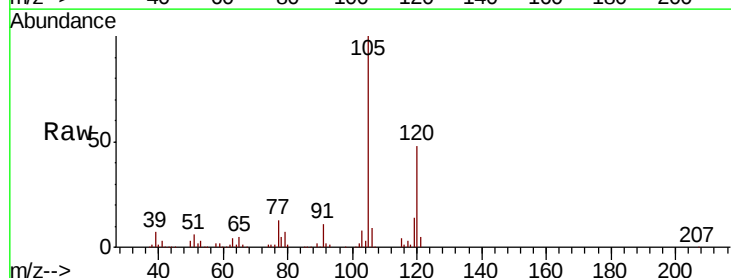


Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3370) (-)
Ion 126.00 (125.70 to 126.70): VN063033.D (-3370) (-)

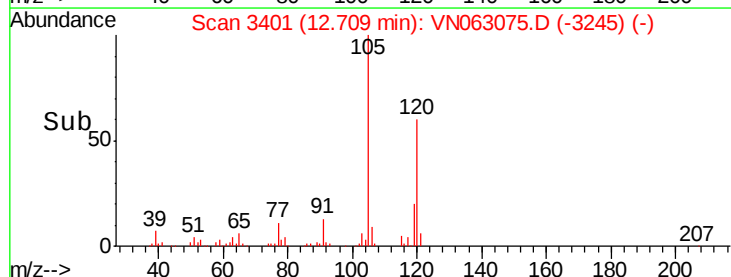
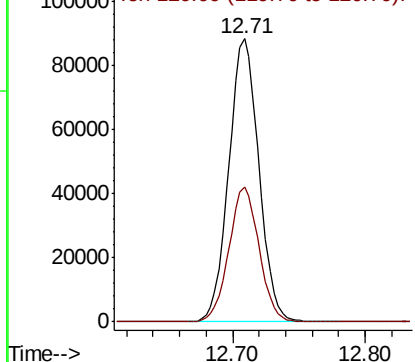


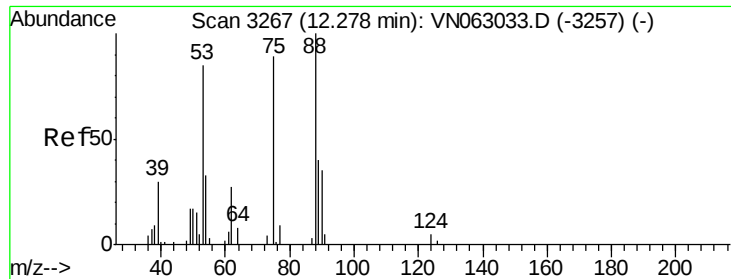
#76
1,3,5-Trimethylbenzene
Concen: 18.738 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion: 105 Resp: 139457
Ion Ratio Lower Upper
105 100
120 47.7 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN063033.D (-3389) (-)
Ion 120.00 (119.70 to 120.70): VN063033.D (-3389) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.845 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

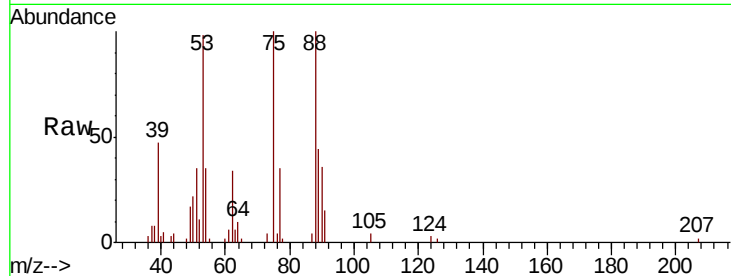
Tot Ion: 75 Resp: 15651

Ion Ratio Lower Upper

75 100

53 97.7 47.0 141.0

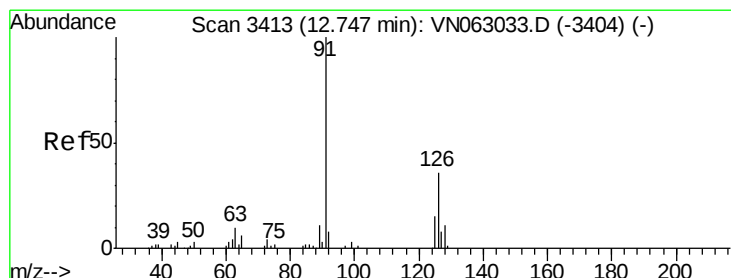
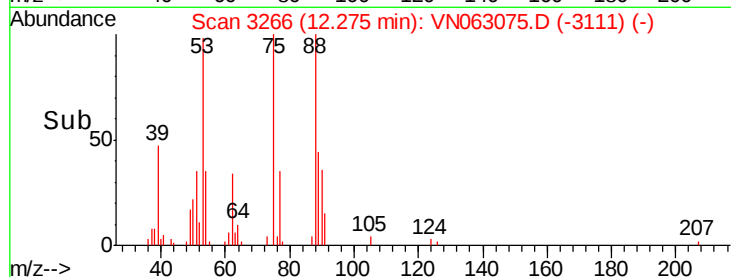
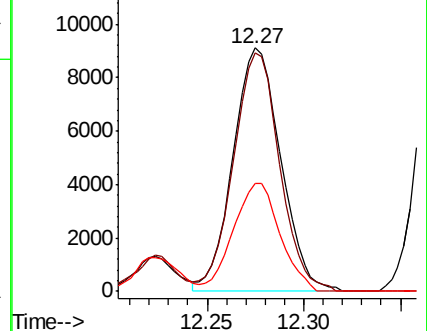
89 44.3 22.9 68.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.633 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN063075.D

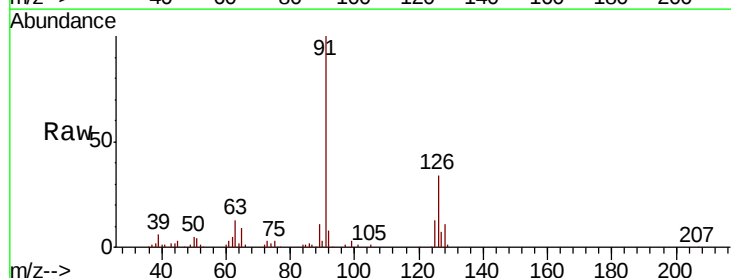
Acq: 21 Aug 2020 12:54

Tgt Ion: 91 Resp: 119780

Ion Ratio Lower Upper

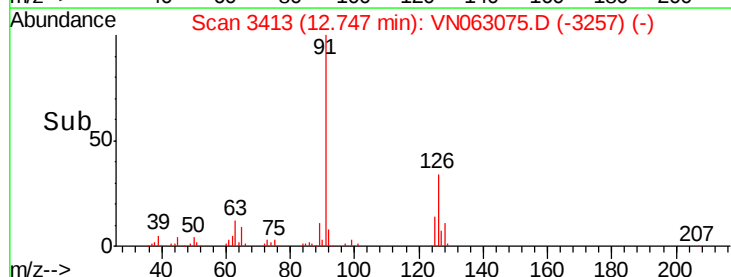
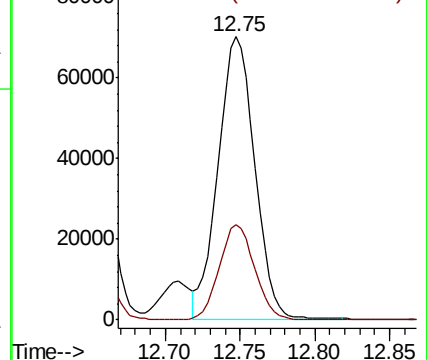
91 100

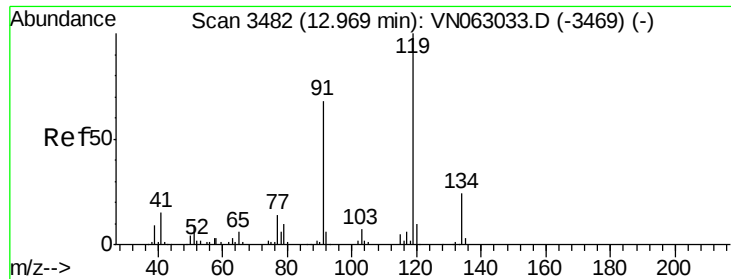
126 32.6 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

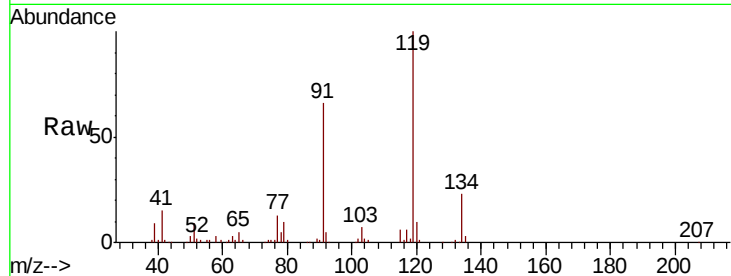




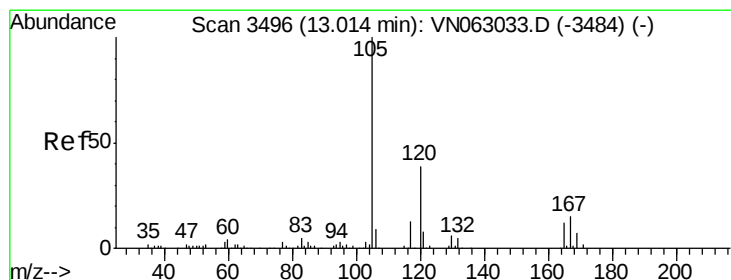
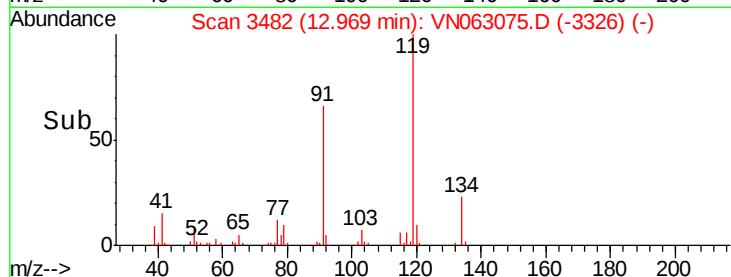
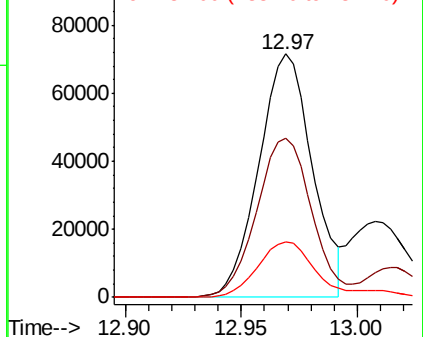
#79
tert-butylbenzene
Concen: 18.392 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBS01

Tot Ion:119 Resp: 115172
Ion Ratio Lower Upper
119 100
91 67.4 0.0 136.8
134 23.9 0.0 48.8

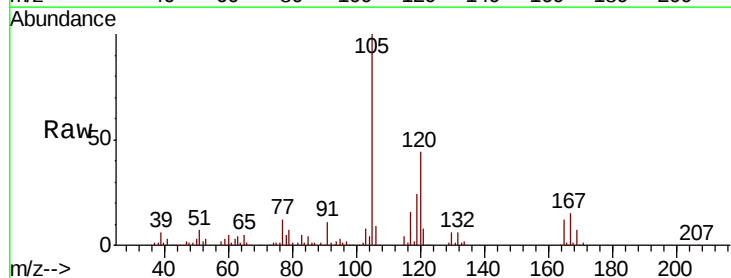


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

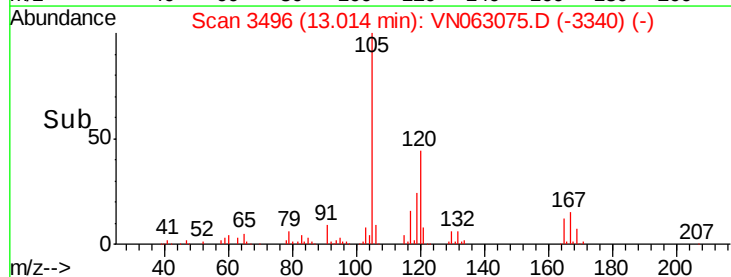
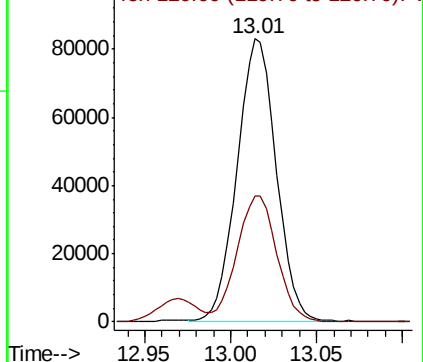


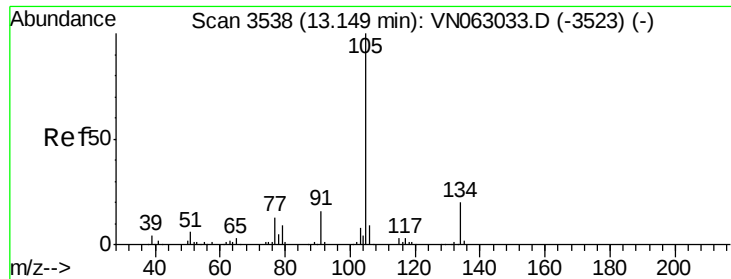
#80
1,2,4-Trimethylbenzene
Concen: 18.001 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion:105 Resp: 130412
Ion Ratio Lower Upper
105 100
120 45.4 0.0 90.4



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

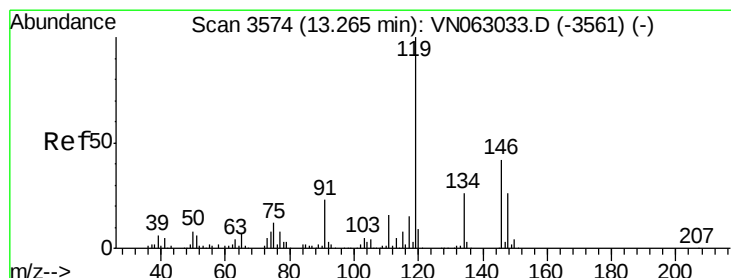
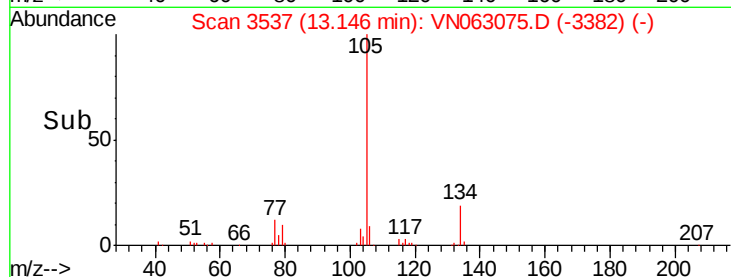
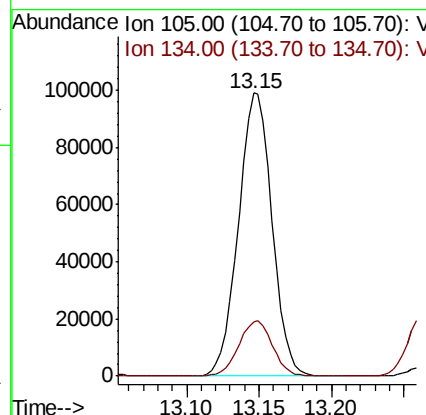
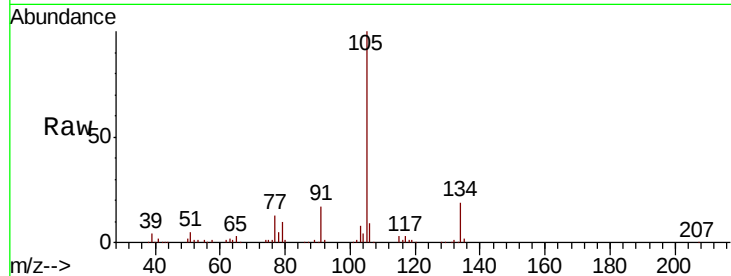




#81
 sec-Butylbenzene
 Concen: 18.423 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

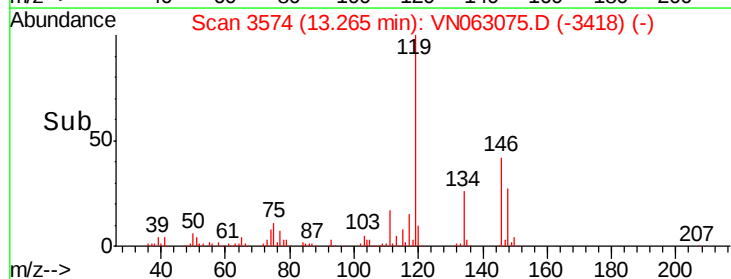
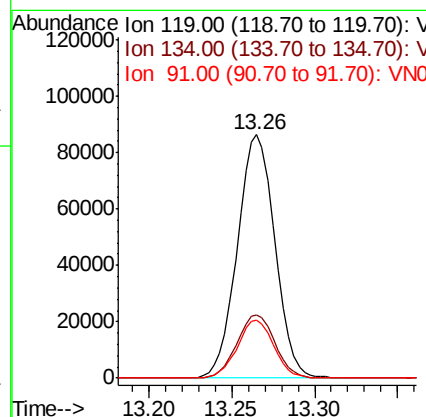
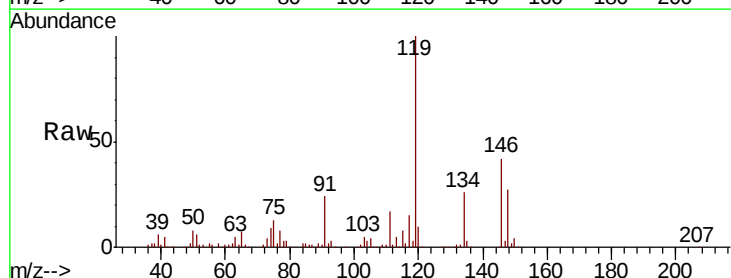
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS01

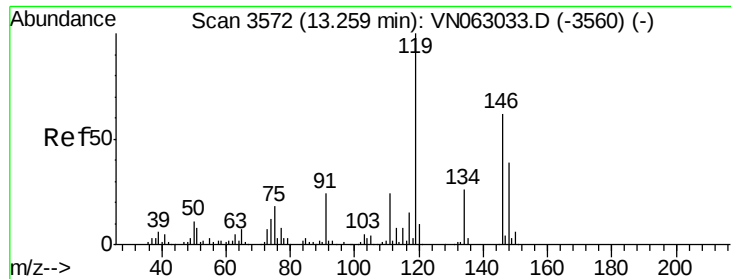
Tot Ion:105 Resp: 158918
 Ion Ratio Lower Upper
 105 100
 134 19.5 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 17.803 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion:119 Resp: 136142
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.2
 91 23.3 0.0 46.2

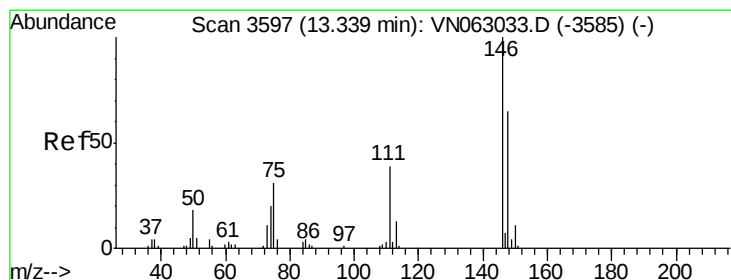
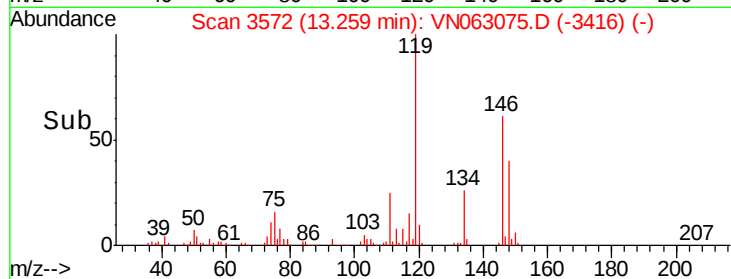
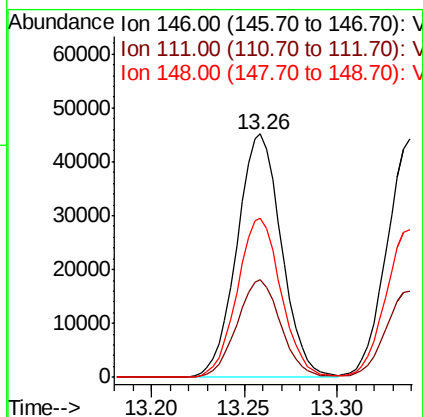
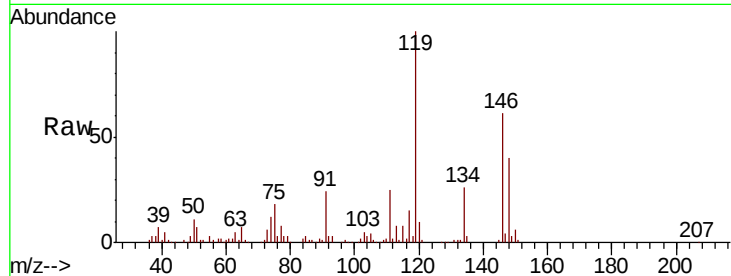




#83
 1,3-Dichlorobenzene
 Concen: 18.388 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

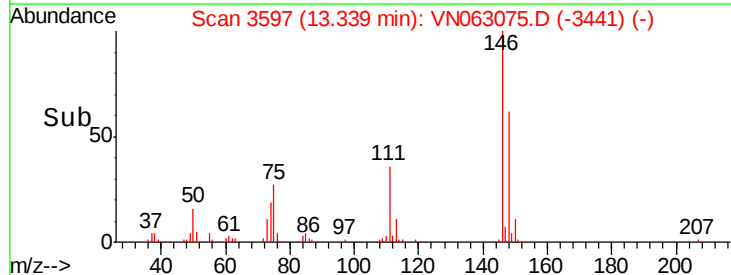
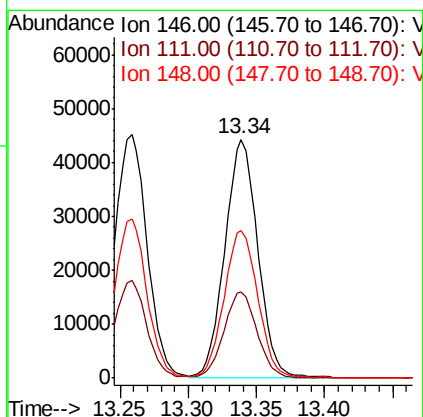
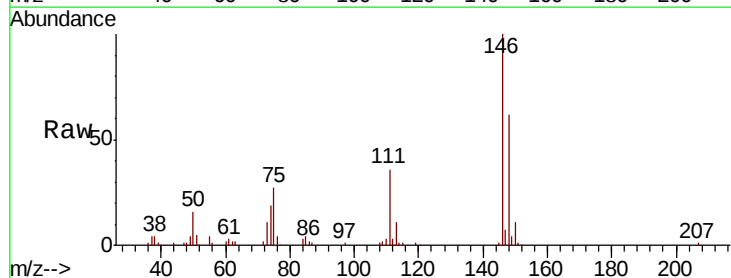
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS01

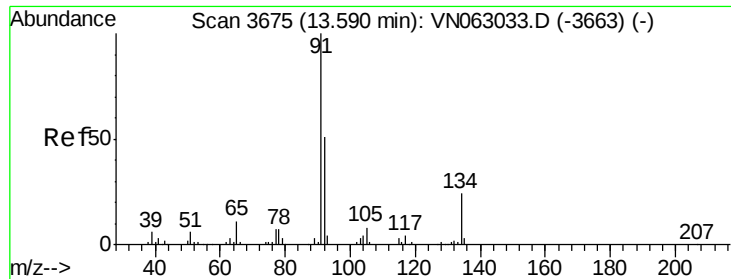
Tot Ion:146 Resp: 75504
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.4 58.1
 148 64.4 31.5 94.5



#84
 1,4-Dichlorobenzene
 Concen: 18.408 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion:146 Resp: 73878
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.6 55.8
 148 63.9 31.6 94.8

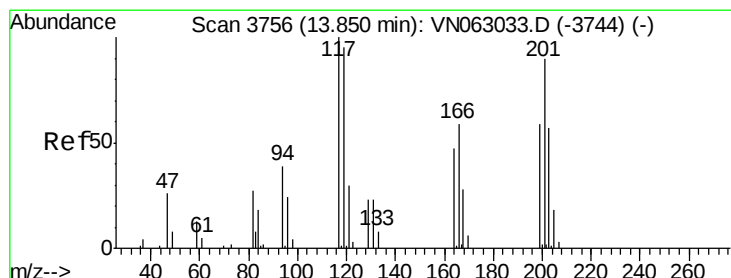
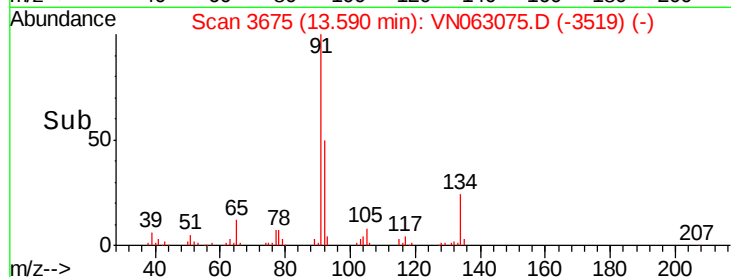
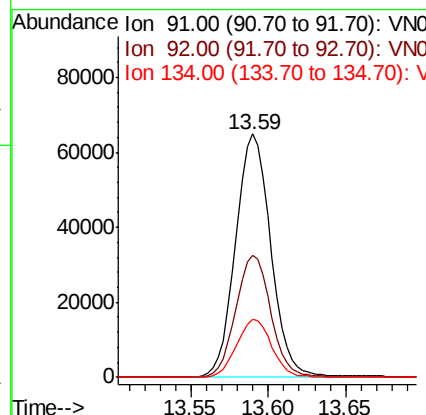
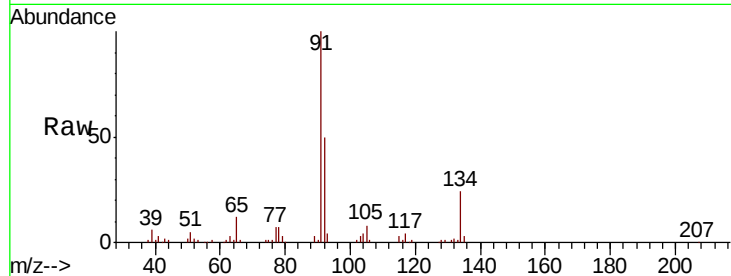




#85
n-Butylbenzene
Concen: 16.135 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

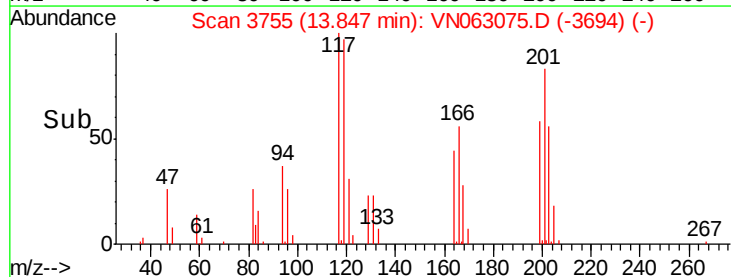
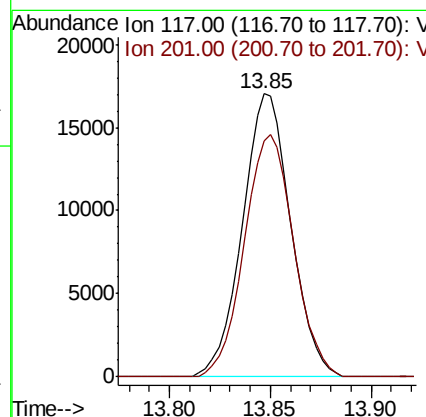
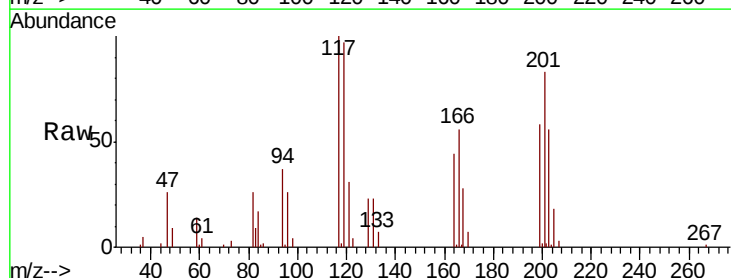
Instrument :
MSVOA_N
ClientSampled :
VN0821WBS01

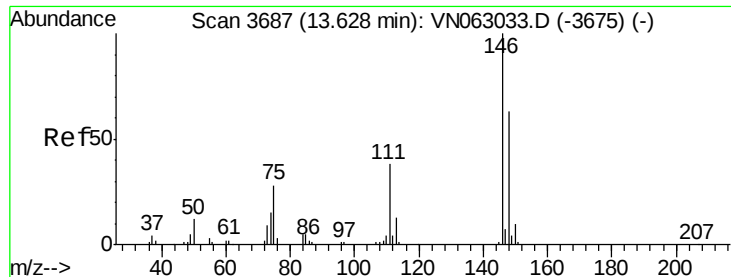
Tot Ion: 91 Resp: 102538
Ion Ratio Lower Upper
91 100
92 49.9 0.0 100.6
134 23.7 0.0 47.4



#86
Hexachloroethane
Concen: 18.987 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN063075.D
Acq: 21 Aug 2020 12:54

Tgt Ion: 117 Resp: 28598
Ion Ratio Lower Upper
117 100
201 87.2 46.1 138.3

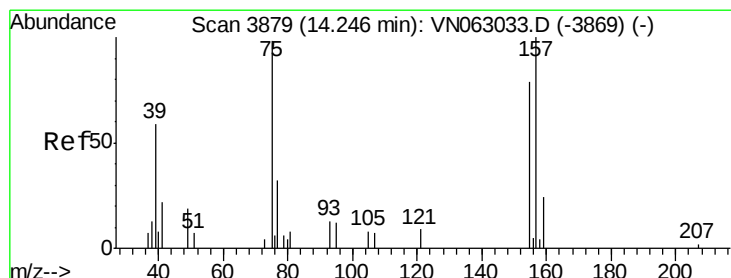
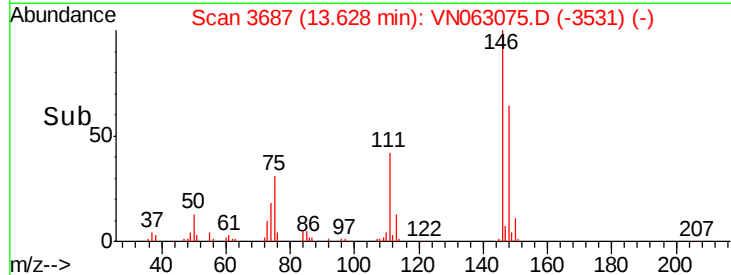
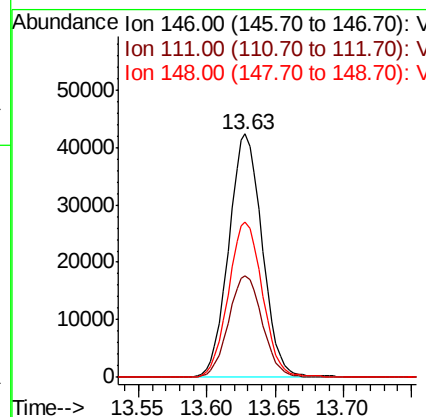
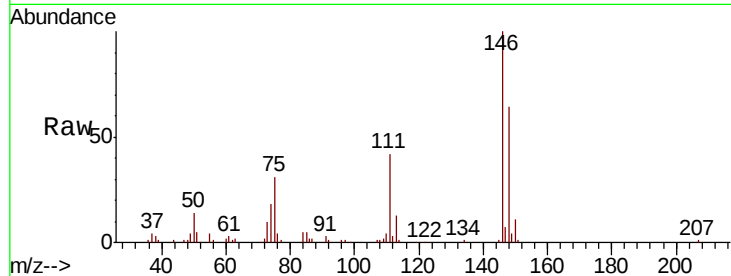




#87
 1,2-Dichlorobenzene
 Concen: 18.382 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

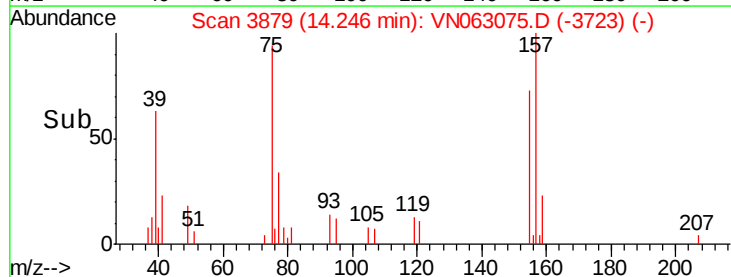
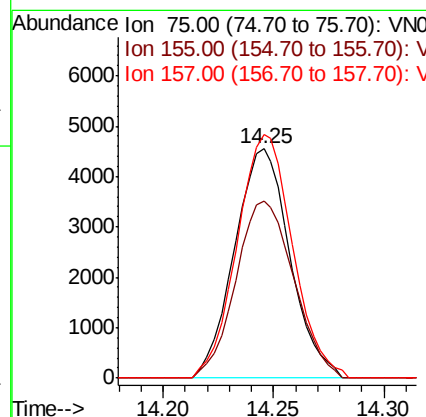
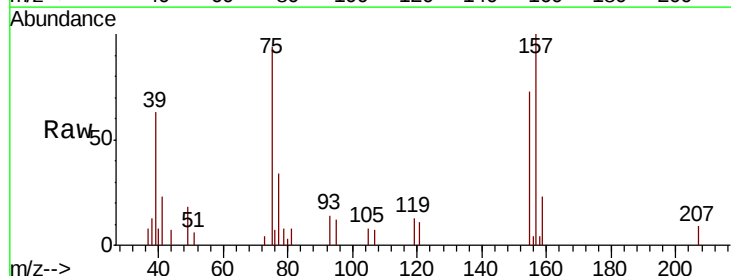
Instrument :
 MSVOA_N
 ClientSampled :
 VN0821WBS01

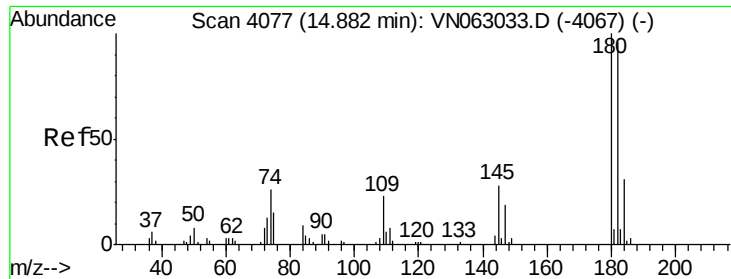
Tot Ion:146 Resp: 72290
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.1 57.3
 148 64.9 31.8 95.4



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.924 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion: 75 Resp: 7951
 Ion Ratio Lower Upper
 75 100
 155 80.7 64.8 97.2
 157 106.2 81.2 121.8

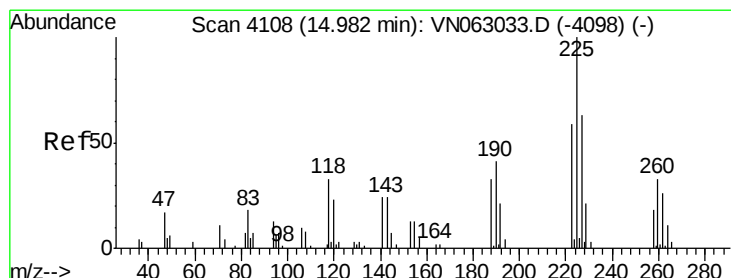
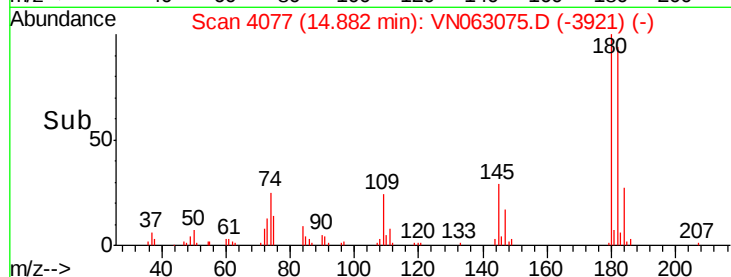
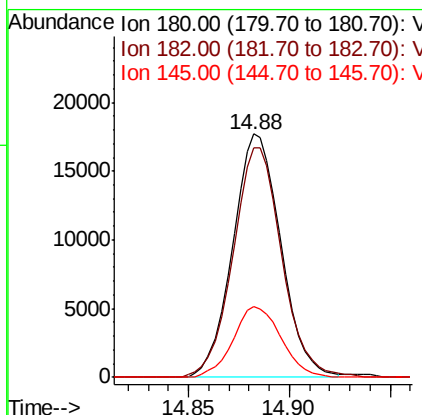
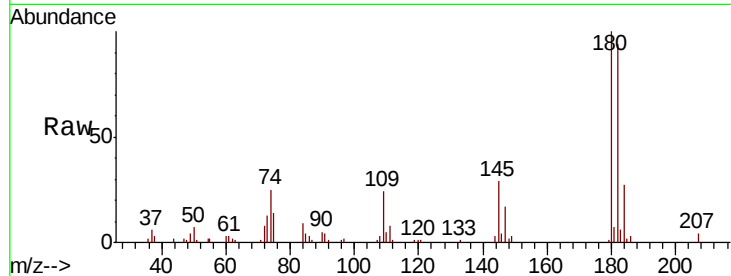




#89
 1,2,4-Trichlorobenzene
 Concen: 15.204 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

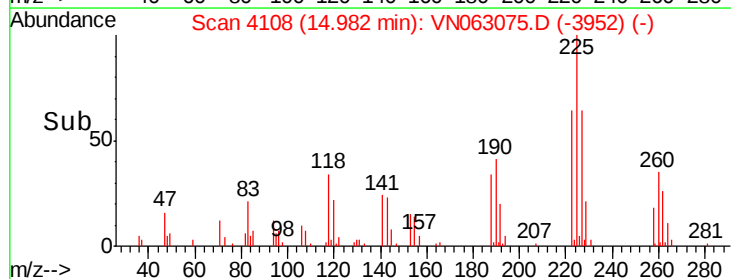
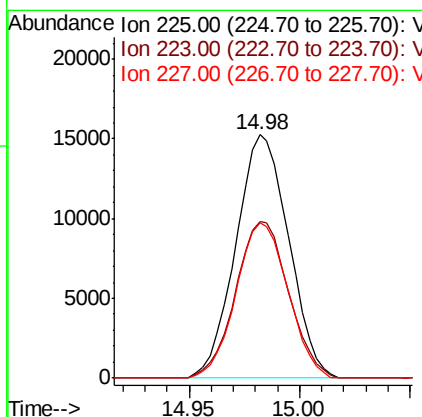
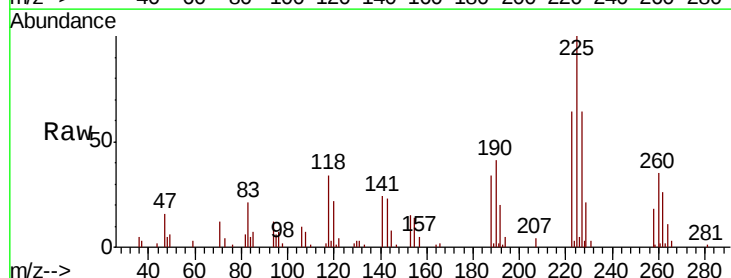
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBS01

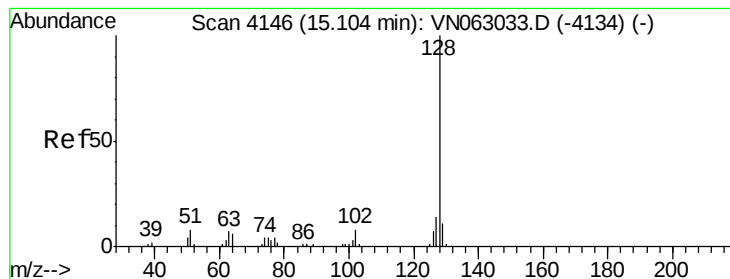
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
145	29.0	21.9	32.9



#90
 Hexachlorobutadiene
 Concen: 17.642 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN063075.D
 Acq: 21 Aug 2020 12:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	0.0	122.8
227	62.5	0.0	125.6





#91

Naphthalene

Concen: 13.775 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBS01

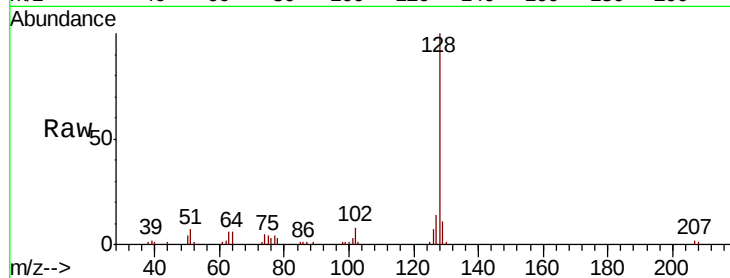
Tot Ion:128 Resp: 59075

Ion Ratio Lower Upper

128 100

127 13.0 11.1 16.7

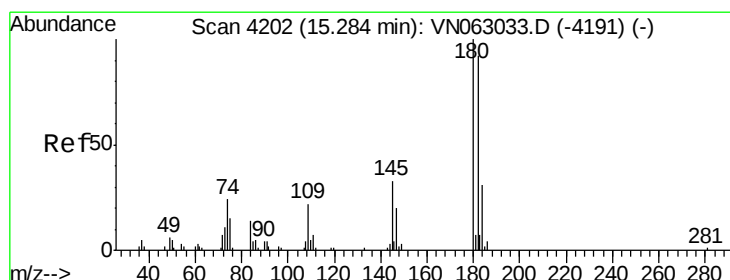
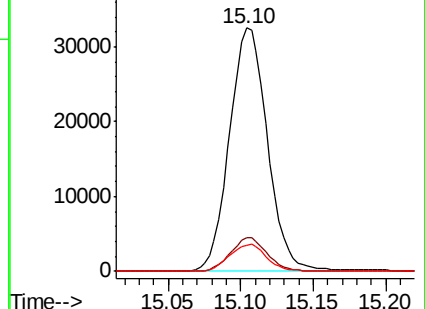
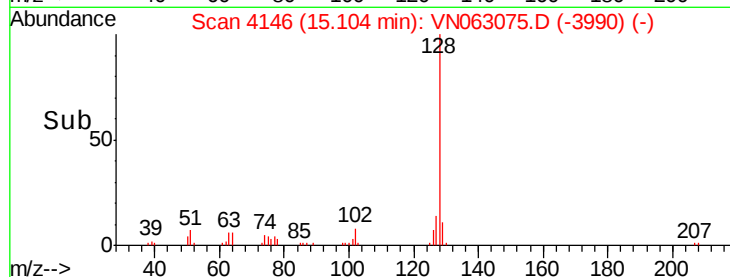
129 10.7 8.4 12.6



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: 15.475 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN063075.D

Acq: 21 Aug 2020 12:54

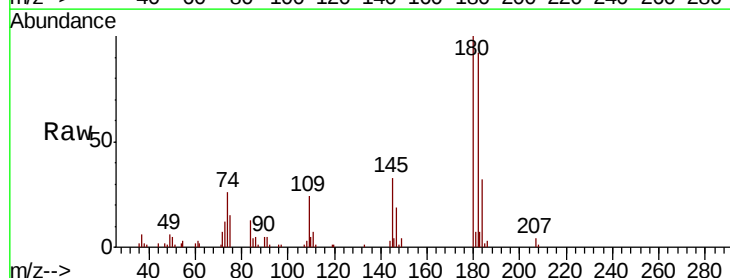
Tgt Ion:180 Resp: 29984

Ion Ratio Lower Upper

180 100

182 93.7 0.0 188.0

145 30.2 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

