

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
 Data File : VN063032.D
 Acq On : 20 Aug 2020 12:36
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 20 13:43:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 13:39:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	31926	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	161719	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	153206	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	69705	30.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.70%
60) 4-Bromofluorobenzene	12.38	95	65964	27.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.83%
63) Toluene-d8	10.06	98	210908	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	8347	3.657 ug/l	92
3) Chloromethane	2.04	50	10215	4.044 ug/l	98
4) Vinyl Chloride	2.16	62	10593	4.166 ug/l	100
5) Bromomethane	2.52	94	8026	5.121 ug/l	98
6) Chloroethane	2.67	64	6712	4.466 ug/l	97
7) Trichlorofluoromethane	2.98	101	14342	4.677 ug/l	99
8) Diethyl Ether	3.38	74	4991	4.894 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	9268	5.590 ug/l	98
10) 1,1-Dichloroethene	3.70	96	7716	5.179 ug/l	96
11) Methyl Iodide	3.91	142	7848	3.839 ug/l	89
12) Methyl Acetate	4.29	43	9570	4.819 ug/l	98
13) Acrolein	3.58	56	4788	23.525 ug/l	100
14) Acrylonitrile	4.94	53	20023	23.027 ug/l	96
15) Acetone	3.78	58	6428	25.542 ug/l	95
16) Carbon Disulfide	4.01	76	19935	4.984 ug/l	96
17) Allyl chloride	4.28	41	13855	5.068 ug/l	99
18) Methylene Chloride	4.50	84	13005	6.239 ug/l	95
19) trans-1,2-Dichloroethene	4.99	96	8505	5.191 ug/l	97
20) Diisopropyl ether	5.90	45	28516	4.454 ug/l	91
21) 1,1-Dichloroethane	5.80	63	18683	5.317 ug/l	99
22) cis-1,2-Dichloroethene	6.78	96	5116	2.520 ug/l #	1
23) tert-Butyl Alcohol	4.73	59	4816	16.906 ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	25112	4.595 ug/l	96
25) Chloroform	7.33	83	18724	5.350 ug/l	99
26) Cyclohexane	7.61	56	12007	3.969 ug/l #	98
29) 1,1-Dichloropropene	7.75	75	11456	4.878 ug/l	99
30) 2-Butanone	6.79	43	27540	25.159 ug/l	97
31) 2,2-Dichloropropane	6.77	77	15494	5.428 ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	15013	5.307 ug/l	100
33) Carbon Tetrachloride	7.73	117	12692	5.269 ug/l	95
34) Benzene	8.00	78	38247	5.082 ug/l #	63
35) Methacrylonitrile	7.13	41	4484	4.392 ug/l	81
36) 1,2-Dichloroethane	8.09	62	13725	5.345 ug/l	96
37) Trichloroethene	8.81	130	9586	5.201 ug/l	97
38) Methylcyclohexane	9.05	83	11717	3.978 ug/l	99
39) 1,2-Dichloropropane	9.09	63	11153	5.092 ug/l	99
40) Dibromomethane	9.18	93	6658	5.235 ug/l	99

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 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 20 13:43:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	14871	5.277	ug/l	91
42) Vinyl Acetate	5.85	43	108729	26.220	ug/l	99
43) Ethyl Acetate	6.89	43	10798	5.168	ug/l	99
44) Isopropyl Acetate	8.13	43	17337	4.943	ug/l	99
45) 1,4-Dioxane	9.17	88	2913	88.674	ug/l	97
46) Methyl methacrylate	9.17	41	7969	4.615	ug/l	98
47) n-amyl Acetate	12.05	43	13125	4.216	ug/l	94
48) t-1,3-Dichloropropene	10.36	75	14237	4.783	ug/l	91
49) cis-1,3-Dichloropropene	9.81	75	15066	4.650	ug/l	94
50) 1,1,2-Trichloroethane	10.54	97	10448	5.328	ug/l	91
51) Ethyl methacrylate	10.40	69	11073	4.151	ug/l	97
52) 1,3-Dichloropropane	10.68	76	16137	4.981	ug/l	98
53) Dibromochloromethane	10.87	129	10386	4.827	ug/l	98
54) 1,2-Dibromoethane	10.98	107	9139	4.858	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	9225	16.834	ug/l	98
56) Bromoform	12.10	173	7600	4.823	ug/l #	89
58) 4-Methyl-2-Pentanone	9.95	43	50866	23.080	ug/l	98
59) 2-Hexanone	10.72	43	36648	23.310	ug/l	95
61) Tetrachloroethene	10.60	164	9129	5.435	ug/l	96
62) Toluene	10.13	91	41635	5.128	ug/l	98
64) Chlorobenzene	11.41	112	24738	4.924	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	9953	4.998	ug/l	98
66) Ethyl Benzene	11.48	91	40124	4.533	ug/l	98
67) m/p-Xylenes	11.60	106	28593	8.623	ug/l	99
68) o-Xylene	11.92	106	14106	4.429	ug/l	99
69) Styrene	11.94	104	22034	3.960	ug/l	96
70) Isopropylbenzene	12.22	105	37192	4.292	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	14166	5.098	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	16369	6.816	ug/l	66
73) Bromobenzene	12.50	156	11345	4.855	ug/l	95
74) n-propylbenzene	12.57	91	44689	4.300	ug/l	99
75) 2-Chlorotoluene	12.65	91	28587	4.615	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	30363	4.106	ug/l	94
77) t-1,4-Dichloro-2-butene	12.27	75	3549	4.073	ug/l	99
78) 4-Chlorotoluene	12.75	91	28123	4.403	ug/l	99
79) tert-butylbenzene	12.97	119	26002	4.179	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	27466	3.816	ug/l	97
81) sec-Butylbenzene	13.15	105	35014	4.085	ug/l	99
82) p-Isopropyltoluene	13.26	119	29345	3.862	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	17724	4.344	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	17059	4.278	ug/l	96
85) n-Butylbenzene	13.59	91	23549	3.730	ug/l	98
86) Hexachloroethane	13.85	117	6844	4.574	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	16828	4.307	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	1935	4.390	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	6617	3.432	ug/l	99
90) Hexachlorobutadiene	14.98	225	7471	5.235	ug/l	95
91) Naphthalene	15.10	128	15900	3.732	ug/l	97
92) 1,2,3-Trichlorobenzene	15.29	180	7296	3.790	ug/l	97

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Aug 20 13:43:47 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Aug 20 13:39:19 2020
Response via : Initial Calibration

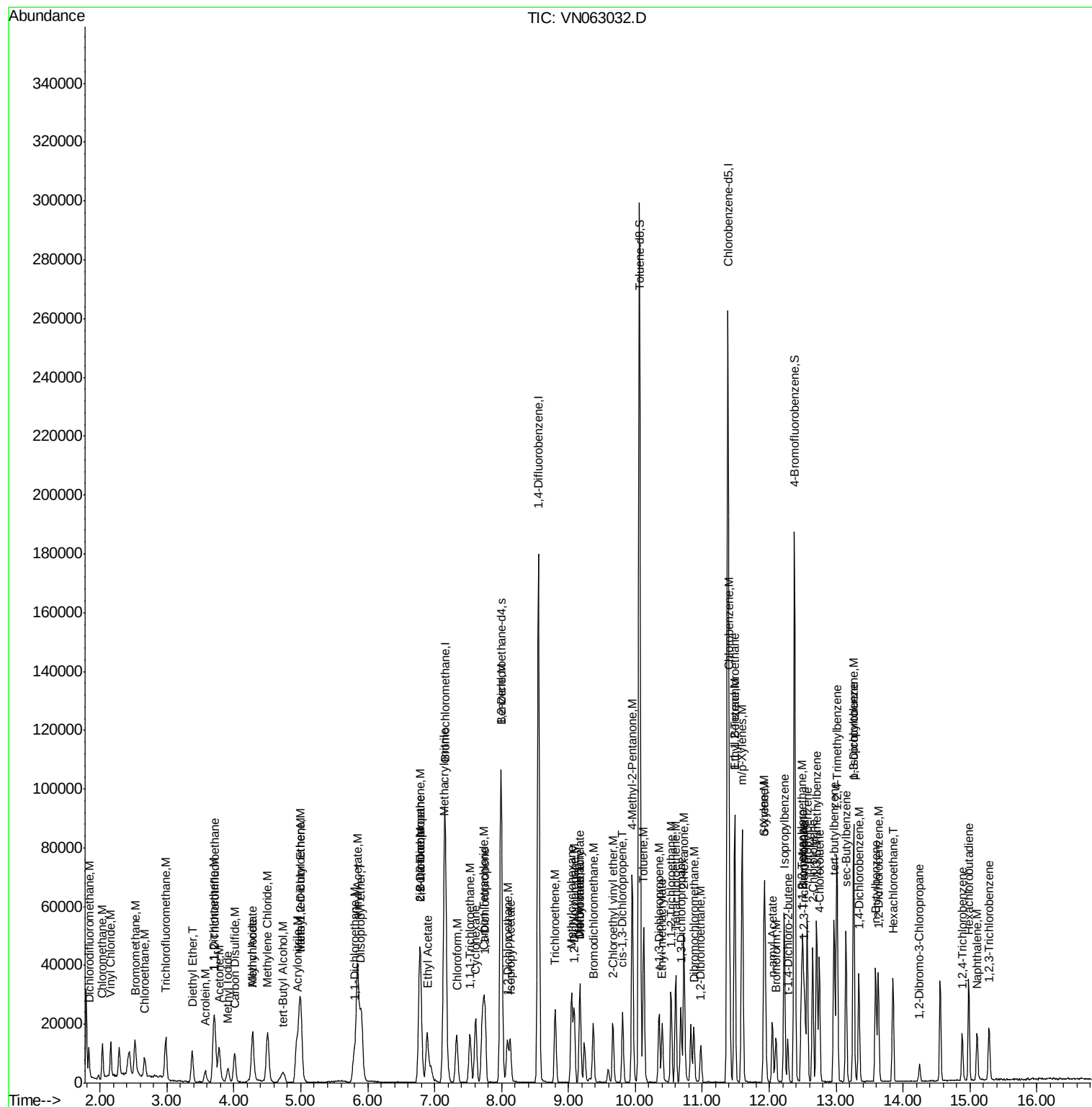
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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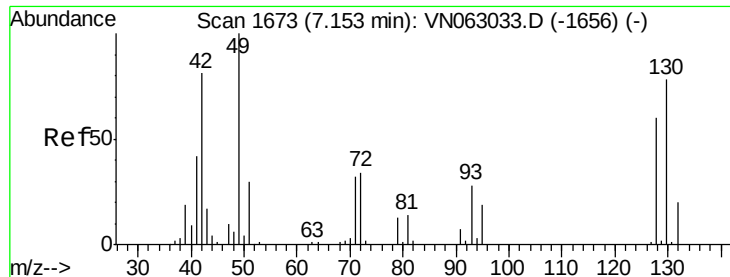
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063032.D
Acq On : 20 Aug 2020 12:36
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Aug 20 13:43:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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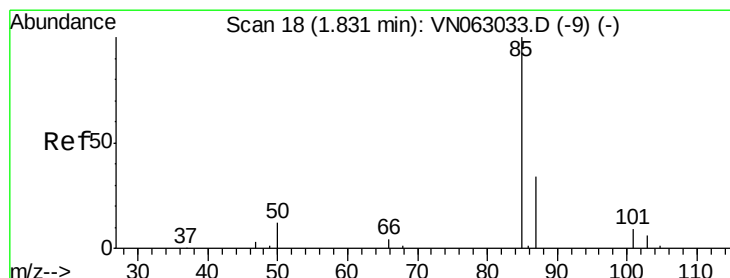
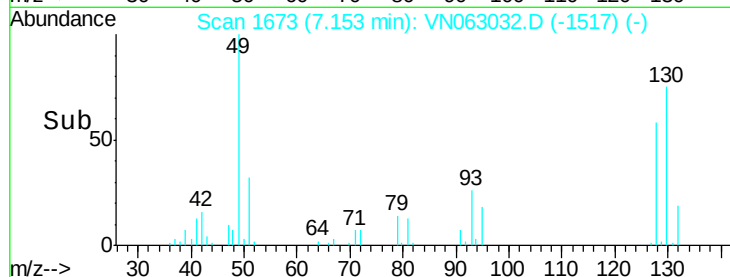
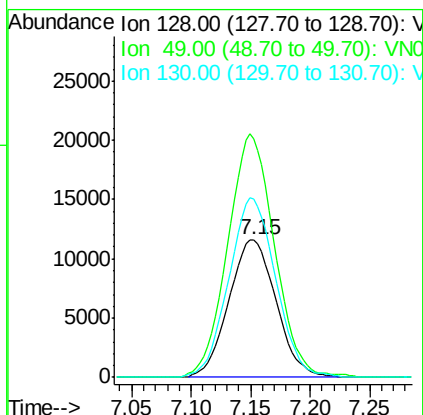
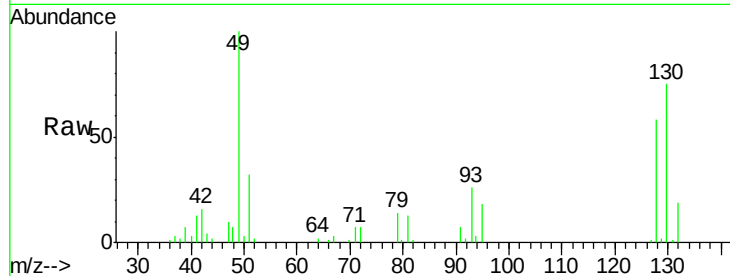




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

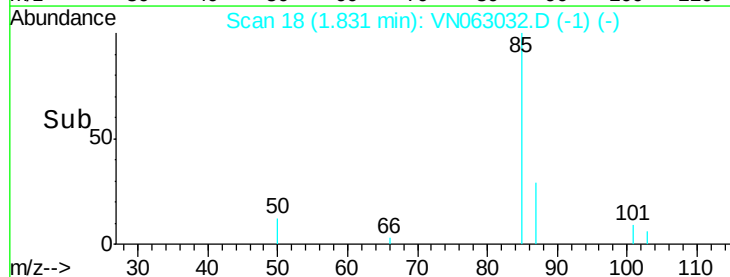
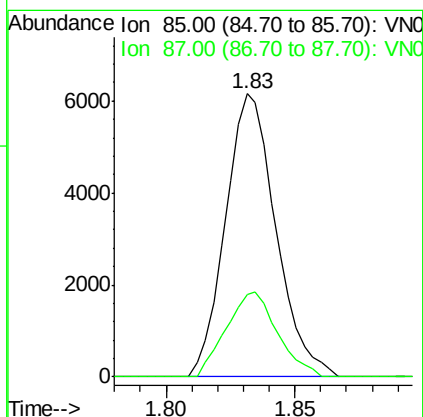
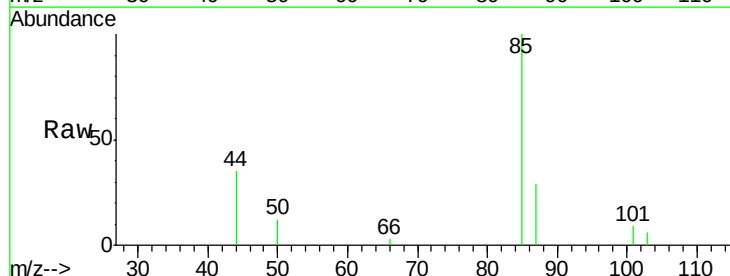
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

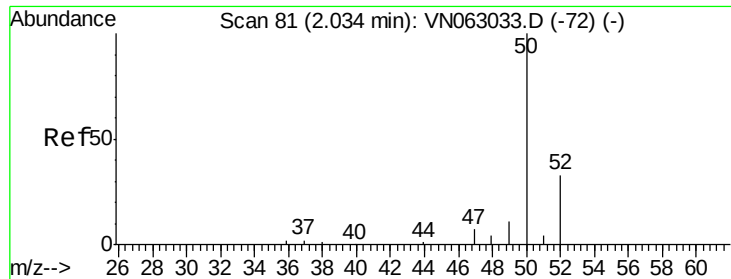
Tgt Ion: 128 Resp: 31926
 Ion Ratio Lower Upper
 128 100
 49 175.0 0.0 437.5
 130 129.6 0.0 327.3



#2
 Dichlorodifluoromethane
 Concen: 3.657 ug/l
 RT: 1.83 min Scan# 18
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 85 Resp: 8347
 Ion Ratio Lower Upper
 85 100
 87 29.1 16.9 50.6

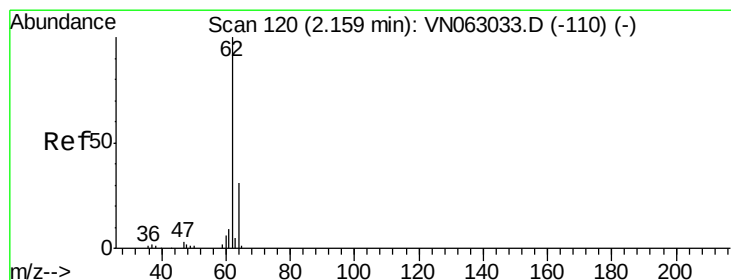
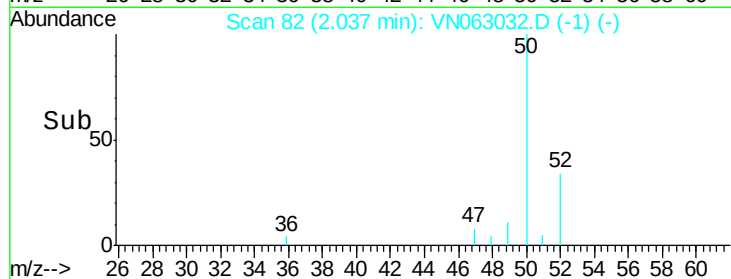
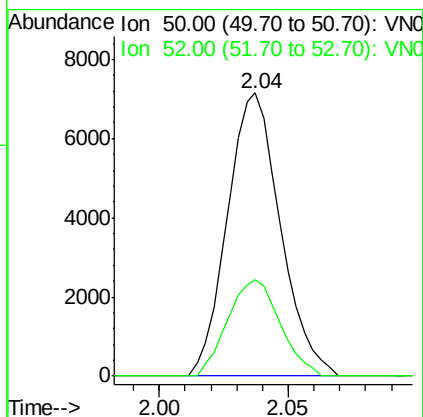
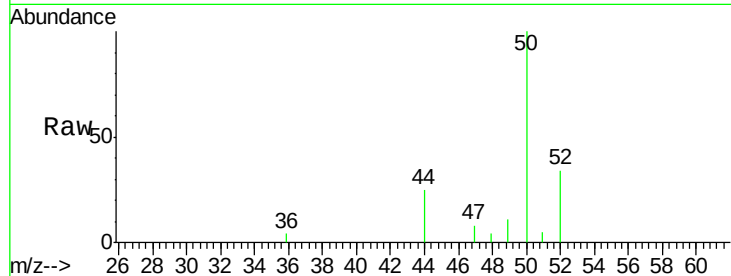




#3
 Chloromethane
 Concen: 4.044 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

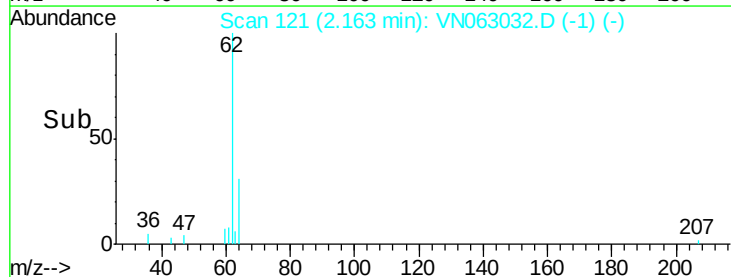
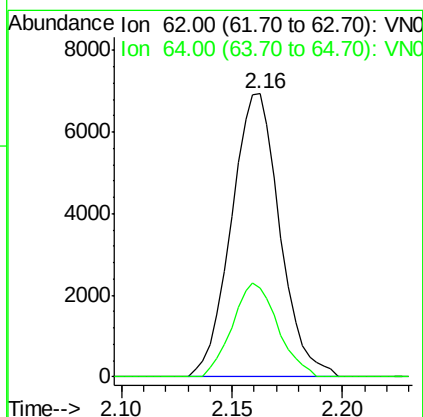
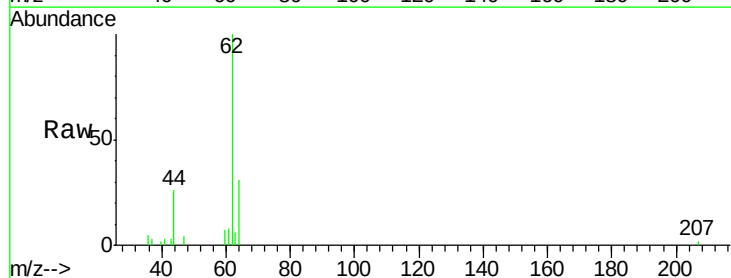
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

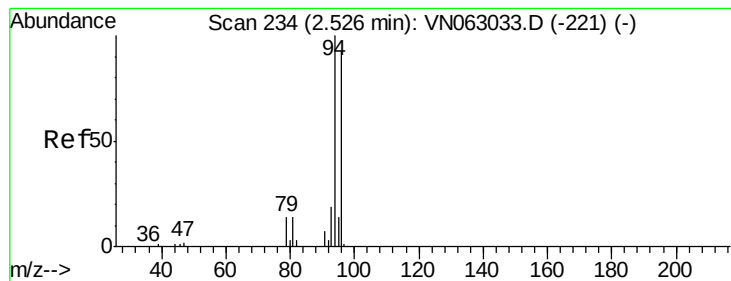
Tgt Ion: 50 Resp: 10215
 Ion Ratio Lower Upper
 50 100
 52 33.9 26.0 39.0



#4
 Vinyl Chloride
 Concen: 4.166 ug/l
 RT: 2.16 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 62 Resp: 10593
 Ion Ratio Lower Upper
 62 100
 64 31.3 25.0 37.4





#5

Bromomethane

Concen: 5.121 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

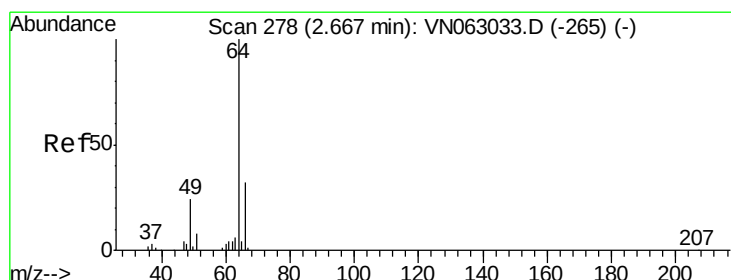
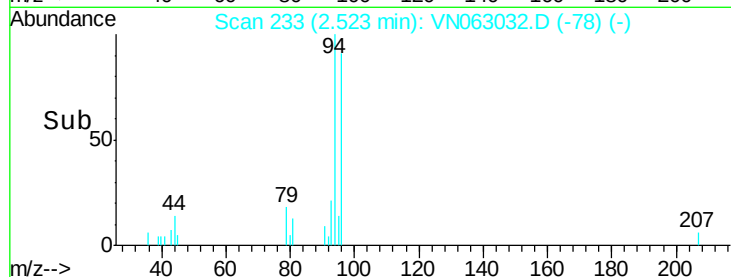
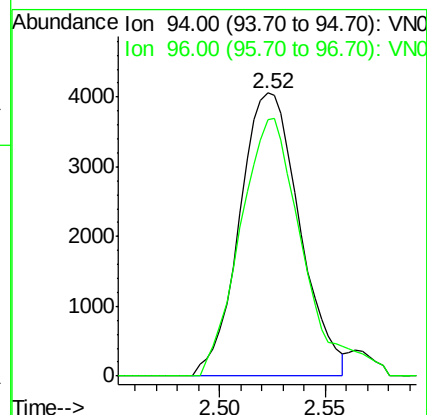
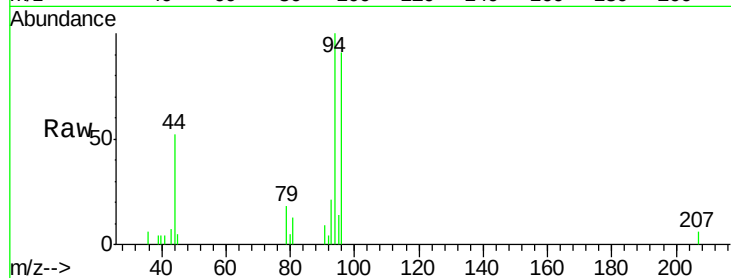
VSTDIC005

Tgt Ion: 94 Resp: 8026

Ion Ratio Lower Upper

94 100

96 90.5 74.0 111.0



#6

Chloroethane

Concen: 4.466 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN063032.D

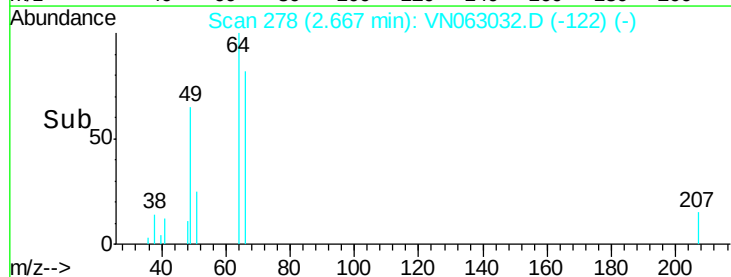
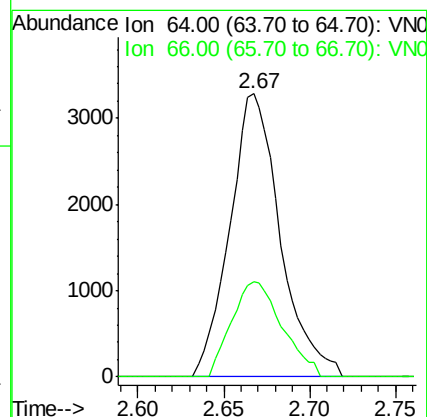
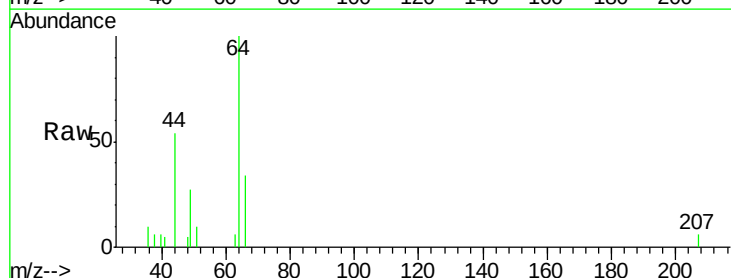
Acq: 20 Aug 2020 12:36

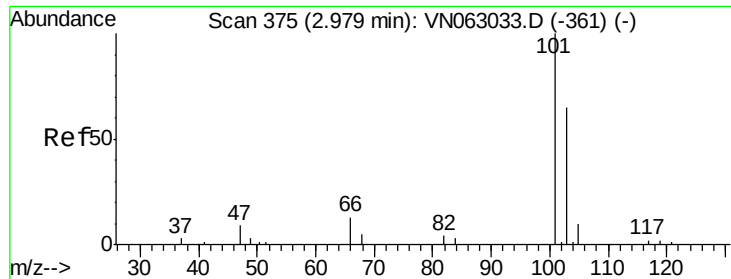
Tgt Ion: 64 Resp: 6712

Ion Ratio Lower Upper

64 100

66 33.7 25.8 38.8



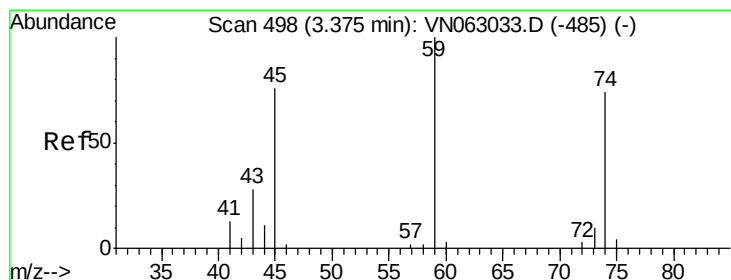
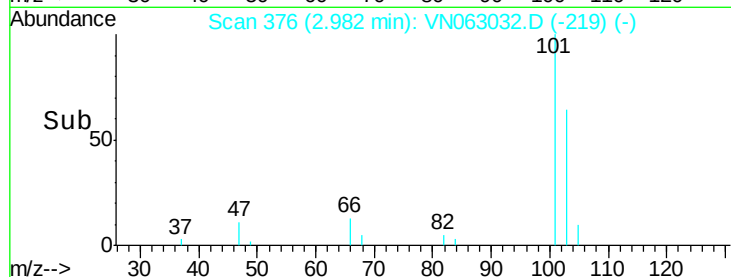
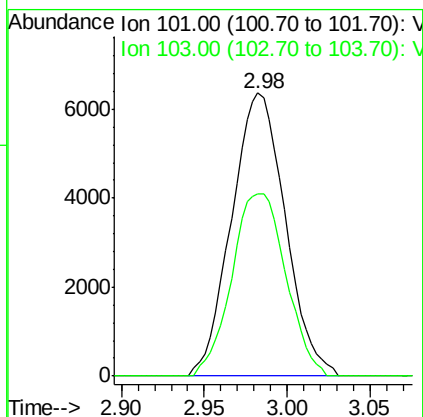
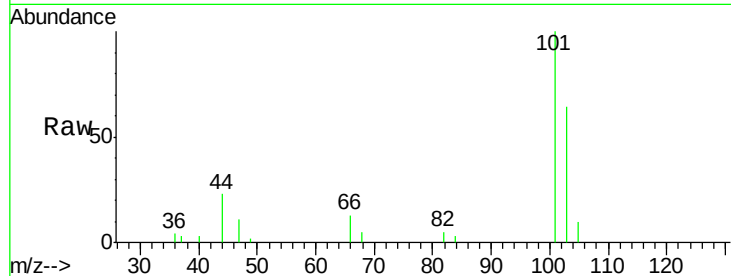


#7

Trichlorofluoromethane
 Concen: 4.677 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

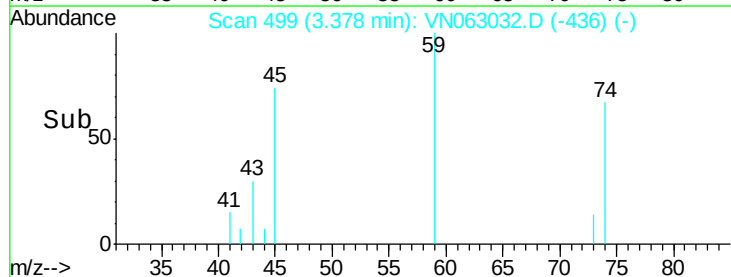
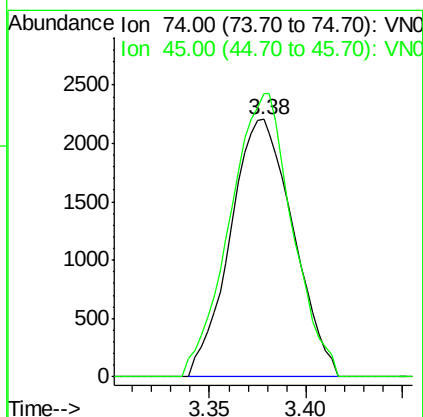
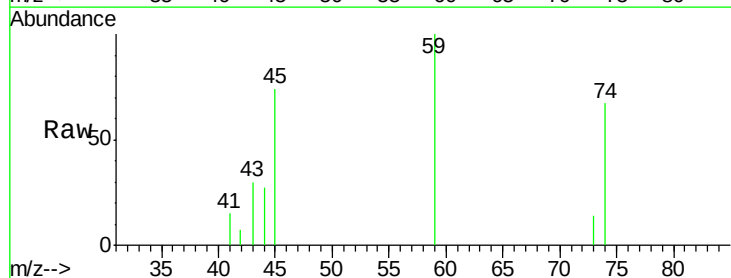
Tgt Ion: 101 Resp: 14342
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.9 77.9

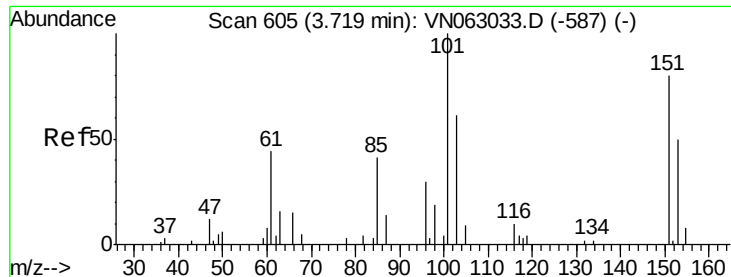


#8

Diethyl Ether
 Concen: 4.894 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 74 Resp: 4991
 Ion Ratio Lower Upper
 74 100
 45 109.0 20.6 185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.590 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

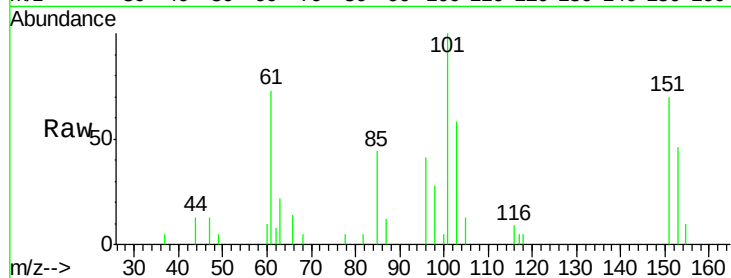
Tgt Ion: 101 Resp: 9268

Ion Ratio Lower Upper

101 100

85 42.7 0.0 85.0

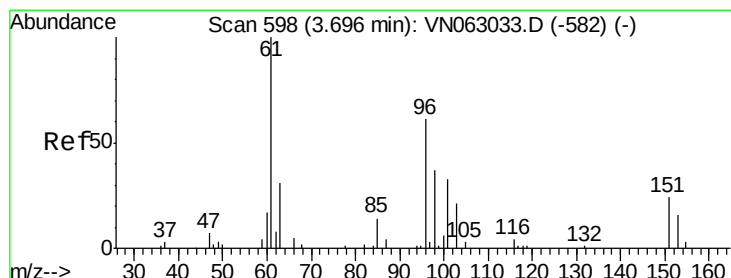
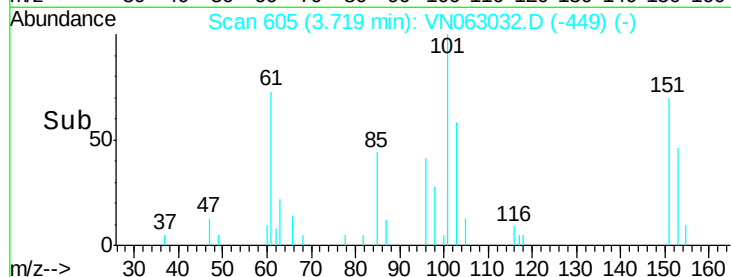
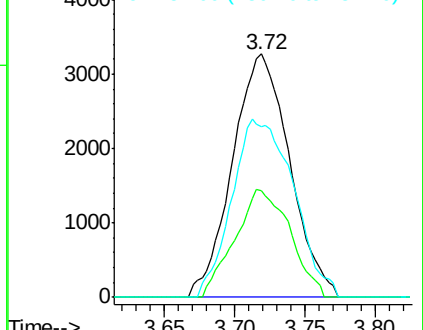
151 78.7 0.0 161.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.179 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

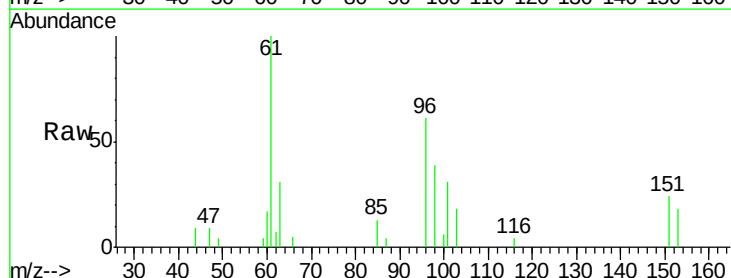
Tgt Ion: 96 Resp: 7716

Ion Ratio Lower Upper

96 100

61 158.0 130.8 196.2

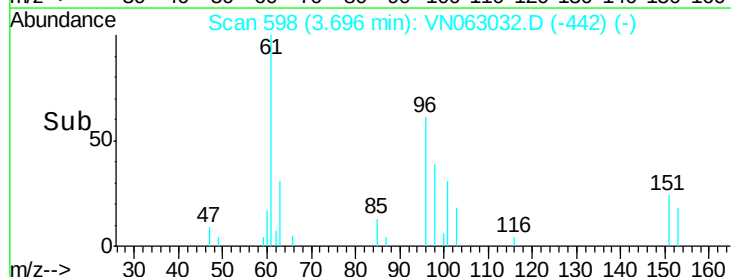
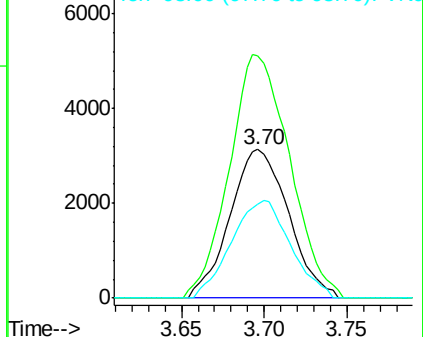
98 63.2 49.0 73.4

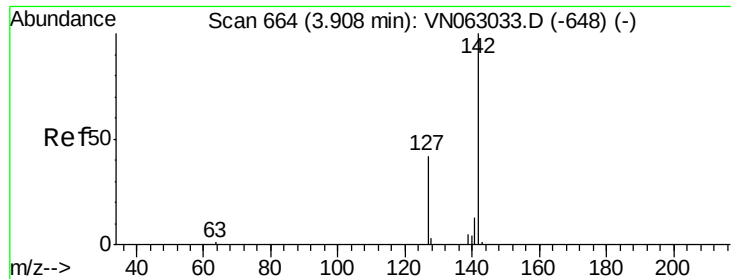


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

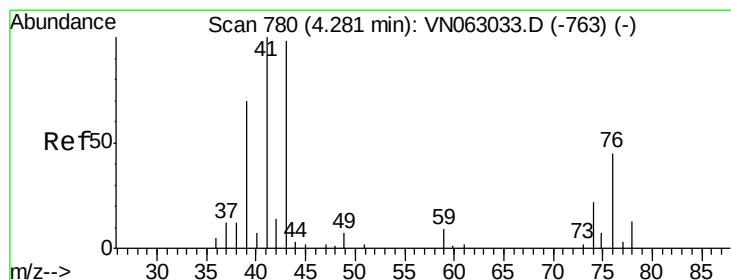
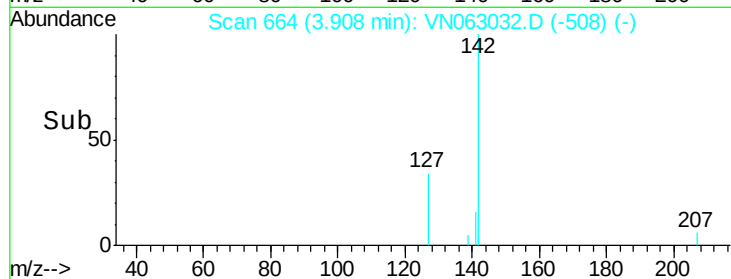
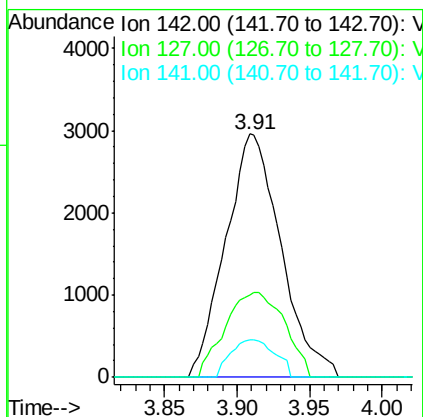
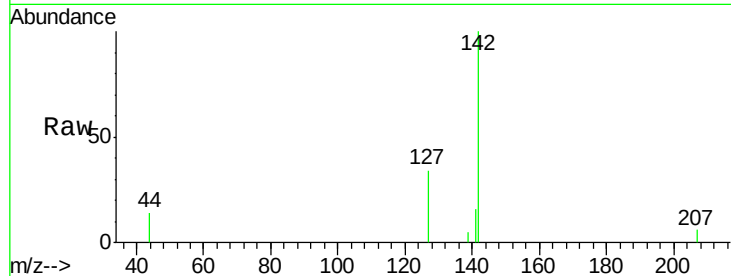




#11
Methyl Iodide
Concen: 3.839 ug/l
RT: 3.91 min Scan# 664
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

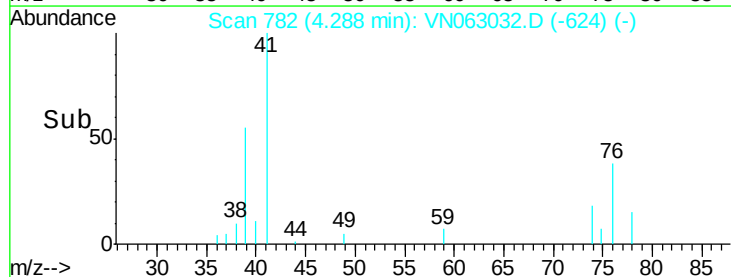
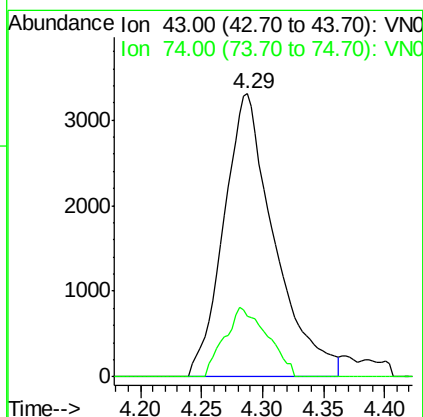
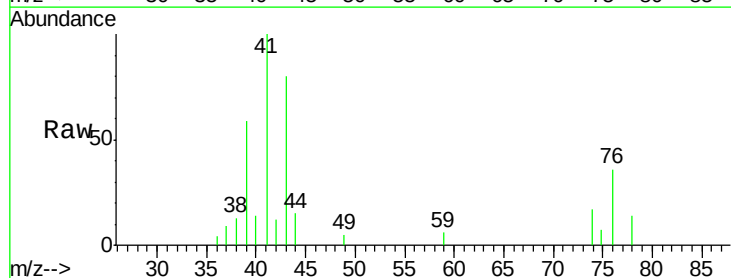
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

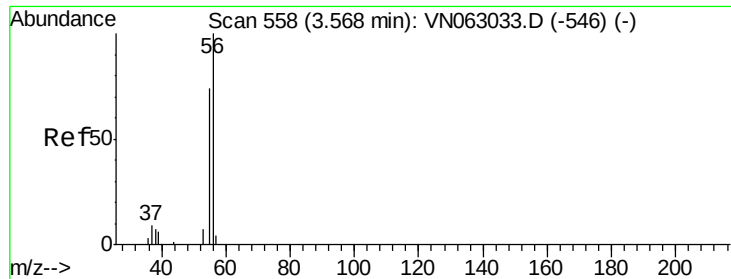
Tgt Ion: 142 Resp: 7848
Ion Ratio Lower Upper
142 100
127 33.7 20.9 62.8
141 15.5 6.7 20.1



#12
Methyl Acetate
Concen: 4.819 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion: 43 Resp: 9570
Ion Ratio Lower Upper
43 100
74 22.2 18.6 27.8





#13

Acrolein

Concen: 23.525 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

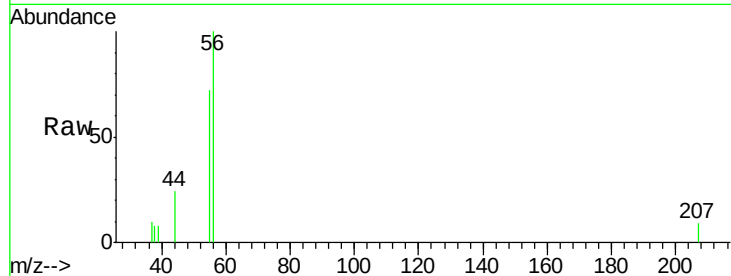
VSTDIC005

Tgt Ion: 56 Resp: 4788

Ion Ratio Lower Upper

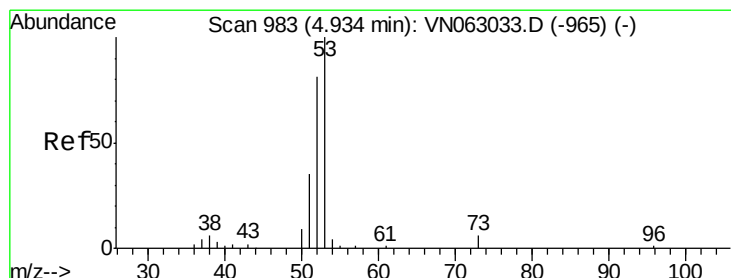
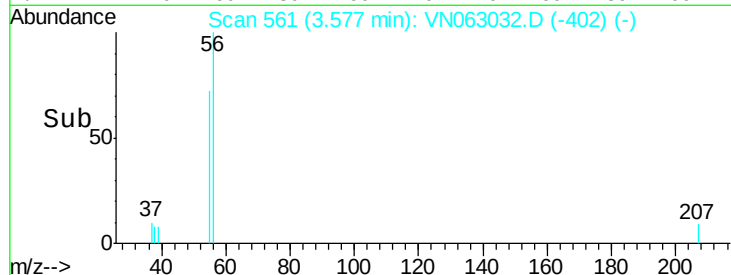
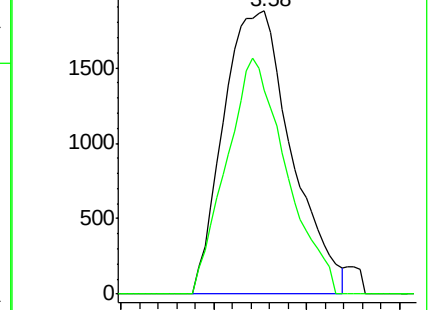
56 100

55 73.3 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: 23.027 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

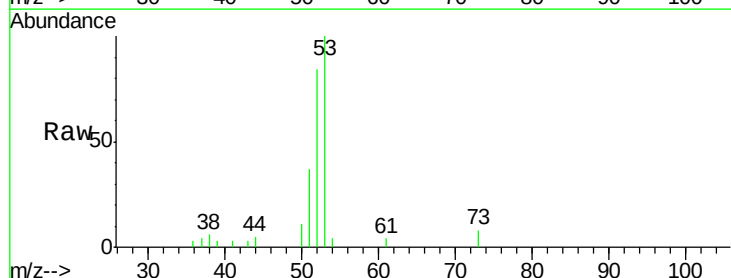
Tgt Ion: 53 Resp: 20023

Ion Ratio Lower Upper

53 100

52 84.2 39.9 119.7

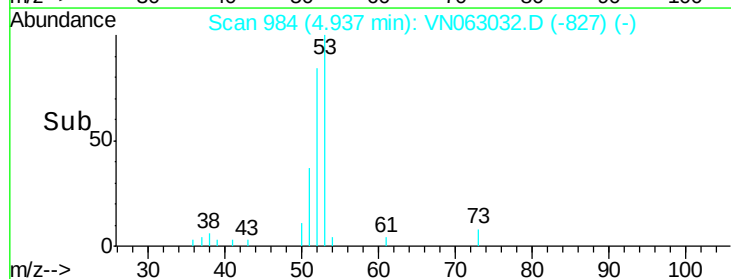
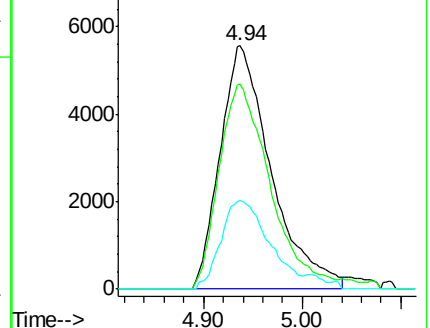
51 34.3 17.0 51.0

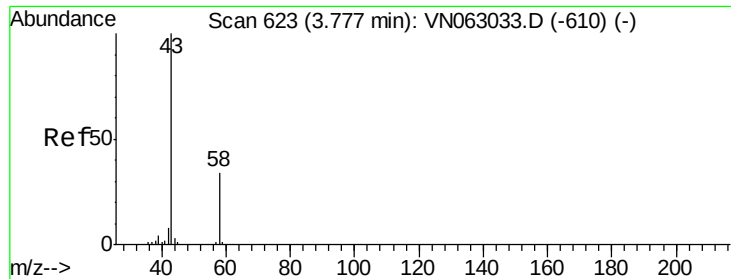


Abundance Ion 53.00 (52.70 to 53.70): VN063033.D (-965) (-)

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: 25.542 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

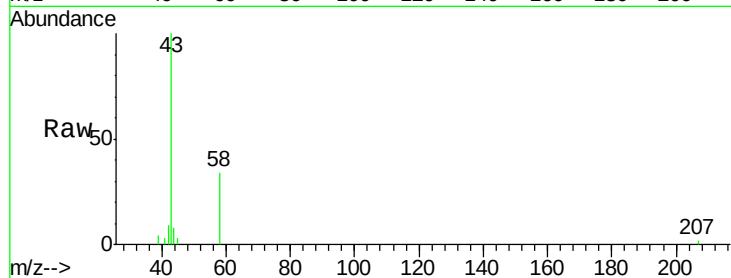
VSTDIC005

Tgt Ion: 58 Resp: 6428

Ion Ratio Lower Upper

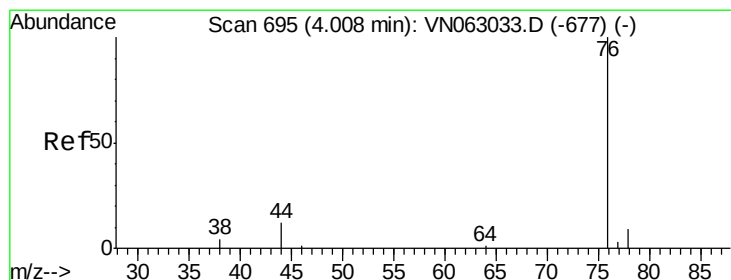
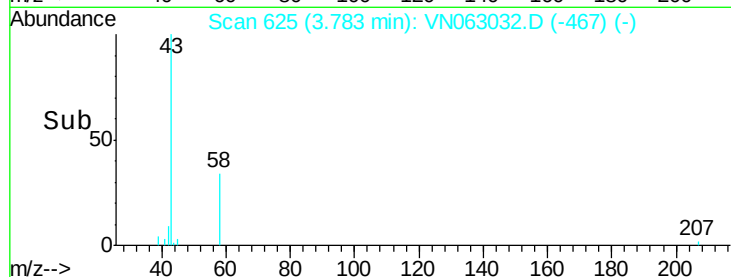
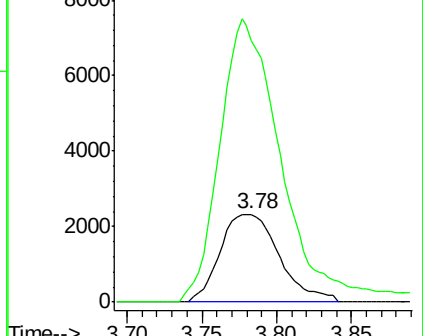
58 100

43 281.6 233.2 349.8



Abundance Ion 58.00 (57.70 to 58.70): VN063032.D (-610) (-)

Ion 43.00 (42.70 to 43.70): VN063032.D (-610) (-)



#16

Carbon Disulfide

Concen: 4.984 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN063032.D

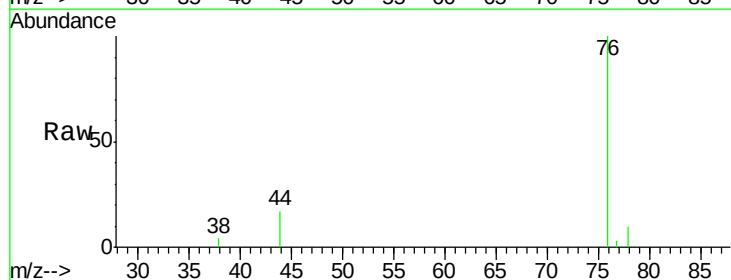
Acq: 20 Aug 2020 12:36

Tgt Ion: 76 Resp: 19935

Ion Ratio Lower Upper

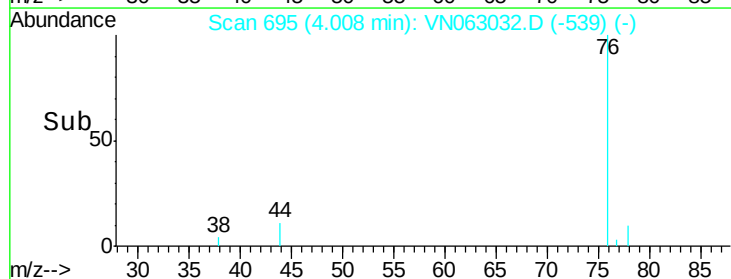
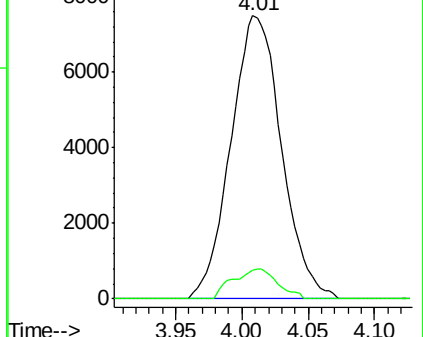
76 100

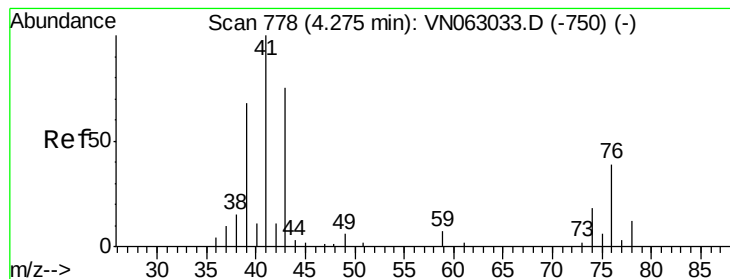
78 10.2 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN063032.D (-539) (-)

Ion 78.00 (77.70 to 78.70): VN063032.D (-539) (-)





#17

Allyl chloride

Concen: 5.068 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

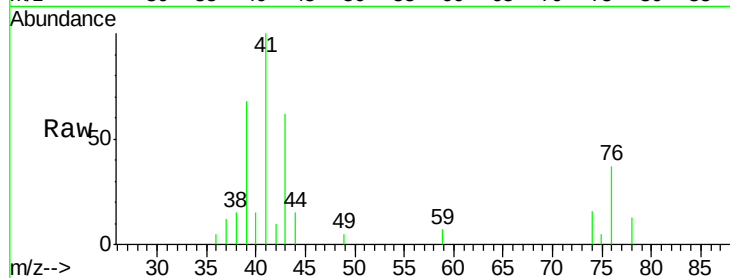
Tgt Ion: 41 Resp: 13855

Ion Ratio Lower Upper

41 100

39 67.8 33.8 101.4

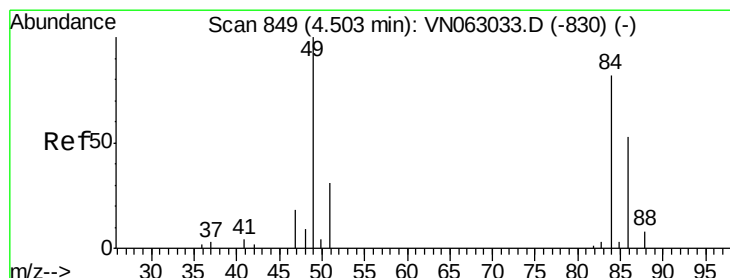
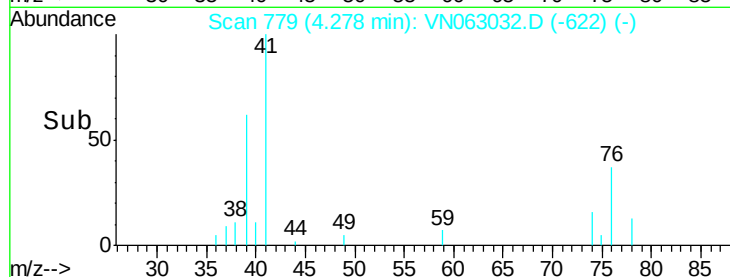
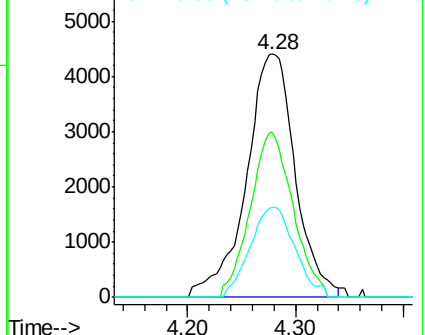
76 37.1 19.4 58.4



Abundance Ion 41.00 (40.70 to 41.70): VN063033.D (-750) (-)

Ion 39.00 (38.70 to 39.70): VN063033.D (-750) (-)

Ion 76.00 (75.70 to 76.70): VN063033.D (-750) (-)



#18

Methylene Chloride

Concen: 6.239 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Tgt Ion: 84 Resp: 13005

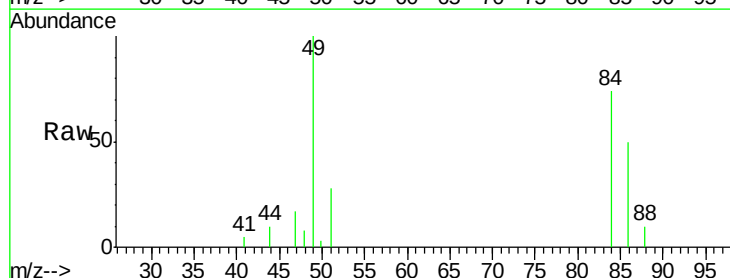
Ion Ratio Lower Upper

84 100

49 130.5 97.8 146.8

51 37.6 30.7 46.1

86 66.7 51.5 77.3

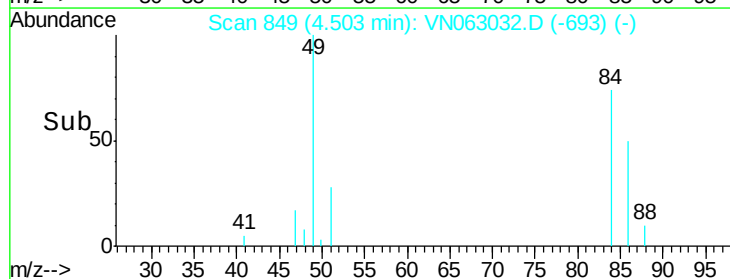
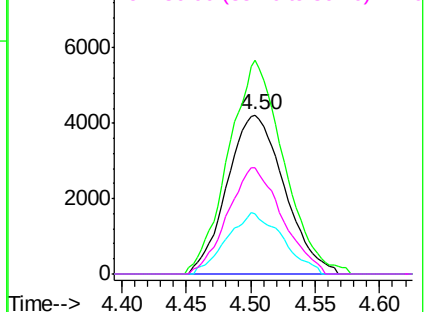


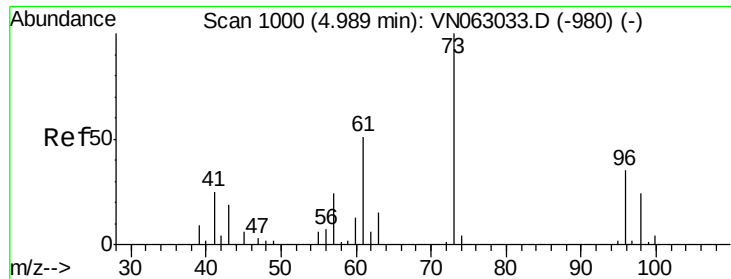
Abundance Ion 84.00 (83.70 to 84.70): VN063033.D (-830) (-)

Ion 49.00 (48.70 to 49.70): VN063033.D (-830) (-)

Ion 51.00 (50.70 to 51.70): VN063033.D (-830) (-)

Ion 86.00 (85.70 to 86.70): VN063033.D (-830) (-)

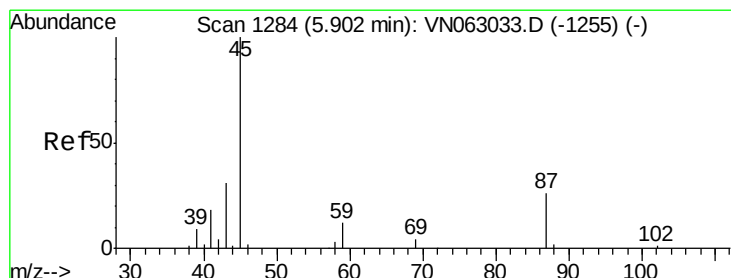
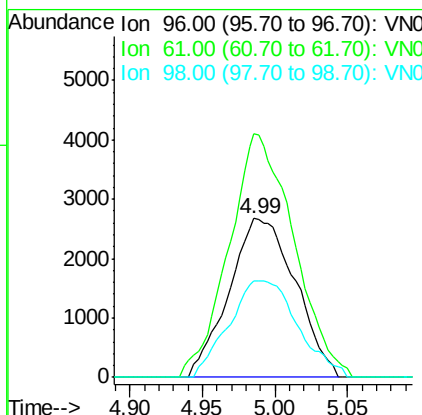
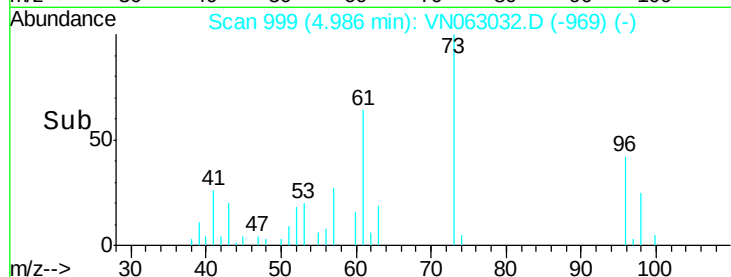
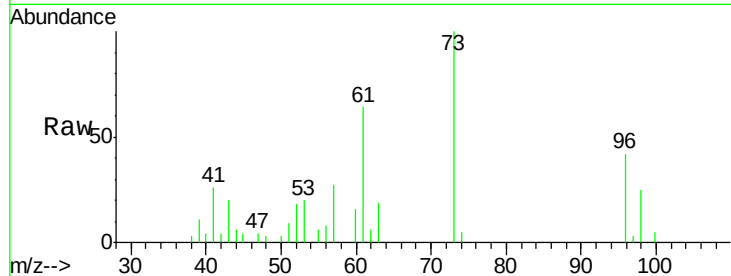




#19
trans-1,2-Dichloroethene
Concen: 5.191 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

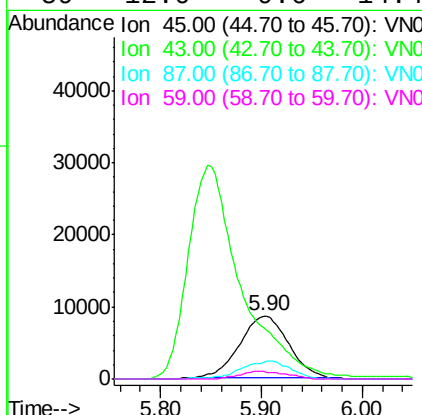
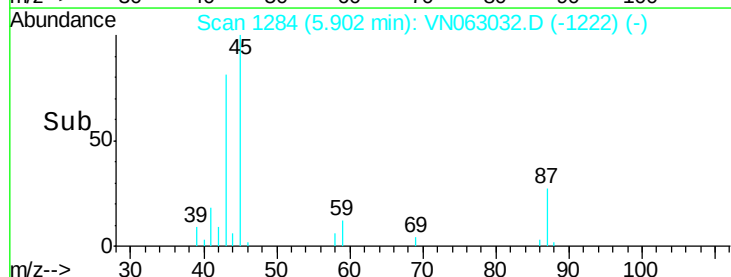
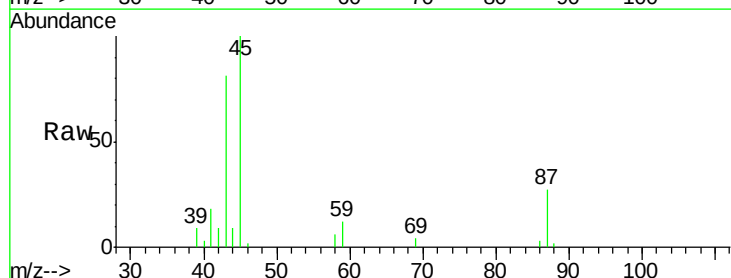
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

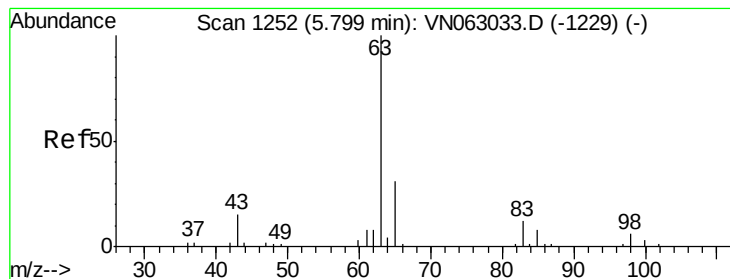
Tgt Ion: 96 Resp: 8505
Ion Ratio Lower Upper
96 100
61 143.4 115.9 173.9
98 60.5 53.3 79.9



#20
Diisopropyl ether
Concen: 4.454 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion: 45 Resp: 28516
Ion Ratio Lower Upper
45 100
43 75.6 51.8 77.6
87 27.1 21.8 32.6
59 12.0 9.6 14.4





#21

1,1-Dichloroethane

Concen: 5.317 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

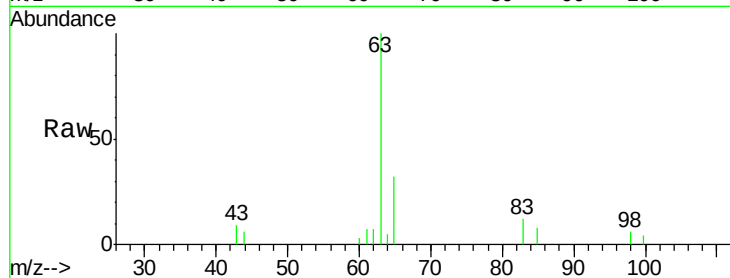
Tgt Ion: 63 Resp: 18683

Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.3

100 3.9 1.8 5.3

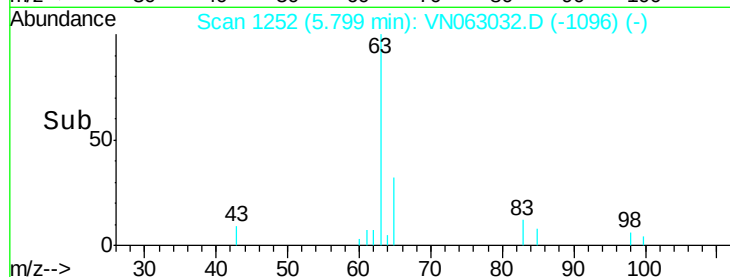


Abundance Ion 63.00 (62.70 to 63.70): VN063032.D (-1229) (-)

Ion 98.00 (97.70 to 98.70): VN063032.D (-1229) (-)

Ion 100.00 (99.70 to 100.70): VN063032.D (-1229) (-)

Time-->

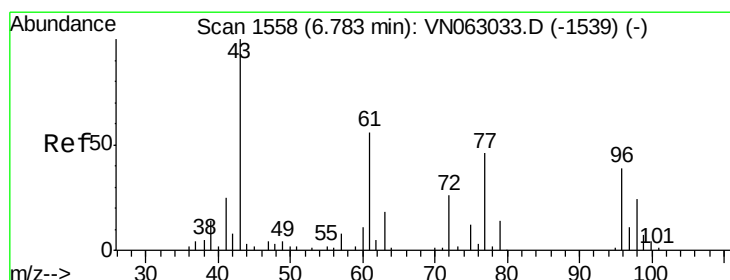


Abundance Ion 63.00 (62.70 to 63.70): VN063032.D (-1229) (-)

Ion 98.00 (97.70 to 98.70): VN063032.D (-1229) (-)

Ion 100.00 (99.70 to 100.70): VN063032.D (-1229) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 2.520 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

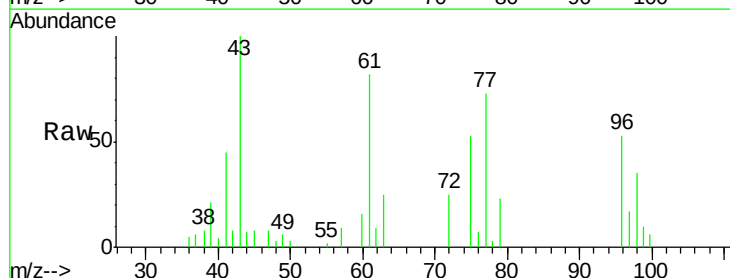
Tgt Ion: 96 Resp: 5116

Ion Ratio Lower Upper

96 100

61 315.3 120.9 181.3#

98 130.8 50.3 75.5#

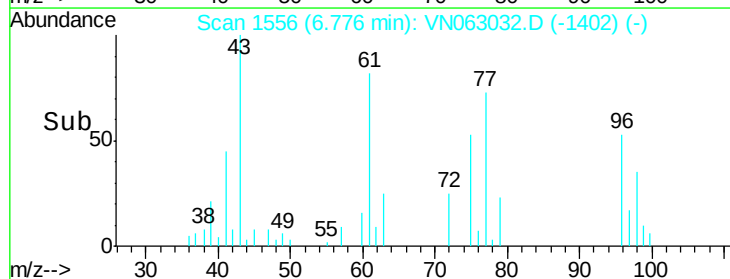


Abundance Ion 96.00 (95.70 to 96.70): VN063032.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN063032.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN063032.D (-1539) (-)

Time-->

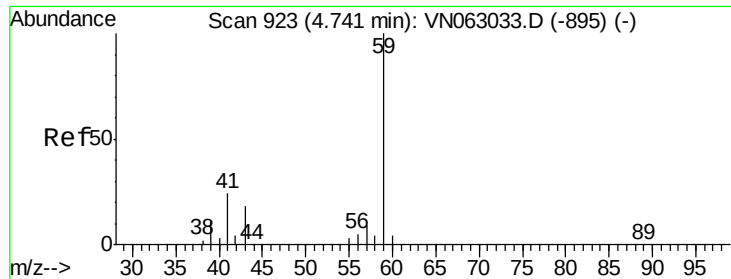


Abundance Ion 96.00 (95.70 to 96.70): VN063032.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN063032.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN063032.D (-1539) (-)

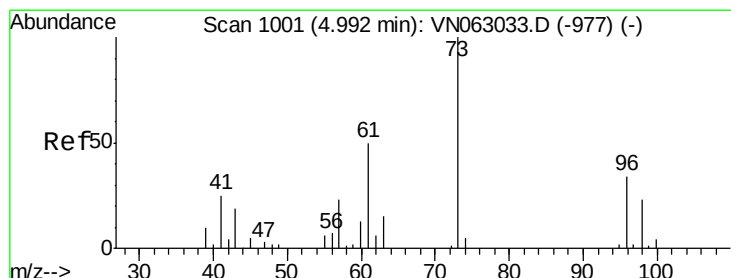
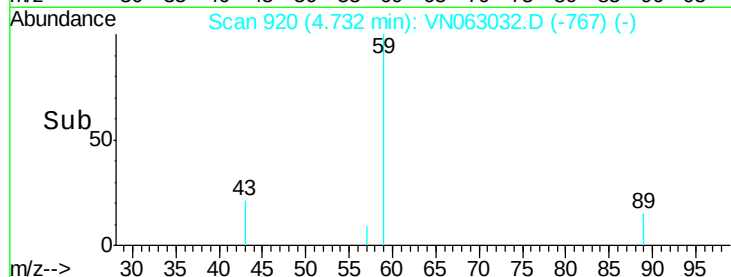
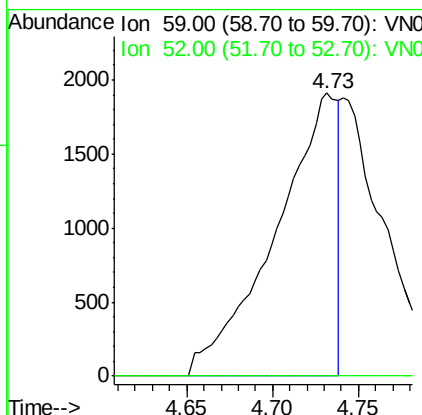
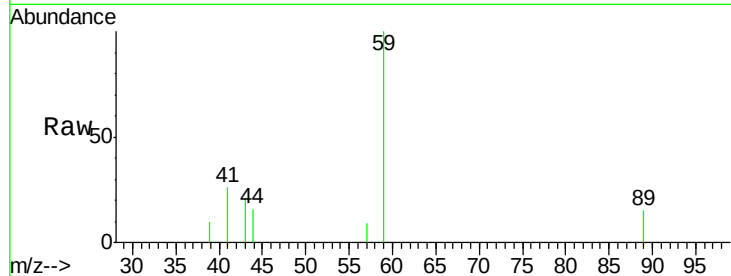
Time-->



#23
 tert-Butyl Alcohol
 Concen: 16.906 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

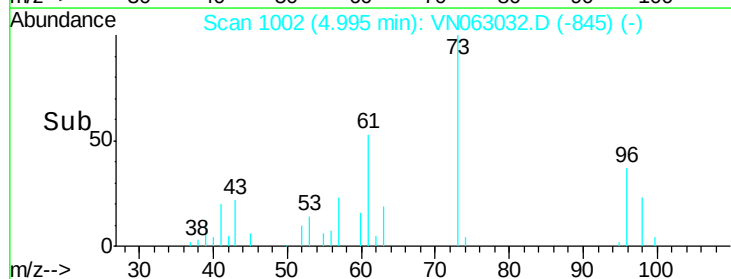
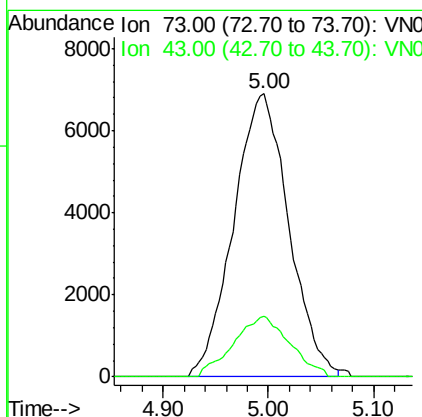
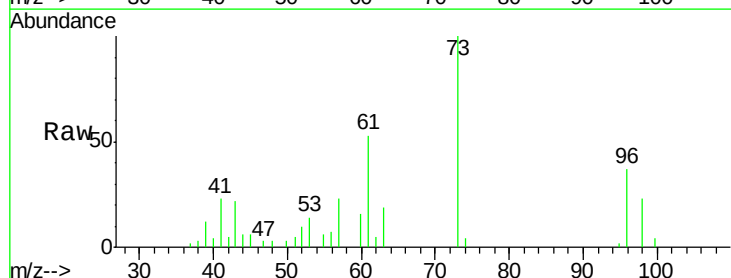
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

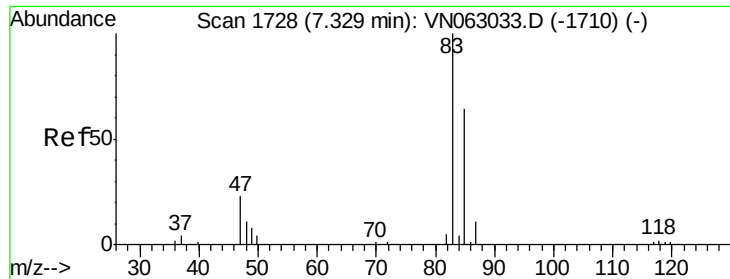
Tgt Ion: 59 Resp: 4816
 Ion Ratio Lower Upper
 59 100
 52 350.1 0.0 0.0#



#24
 Methyl tert-Butyl Ether
 Concen: 4.595 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 73 Resp: 25112
 Ion Ratio Lower Upper
 73 100
 43 21.8 15.8 23.6

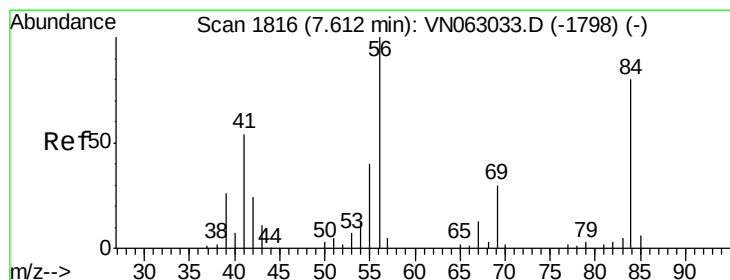
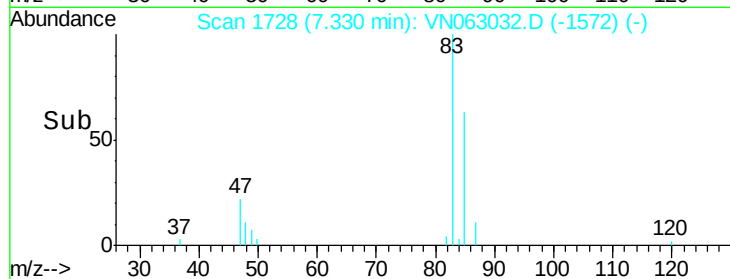
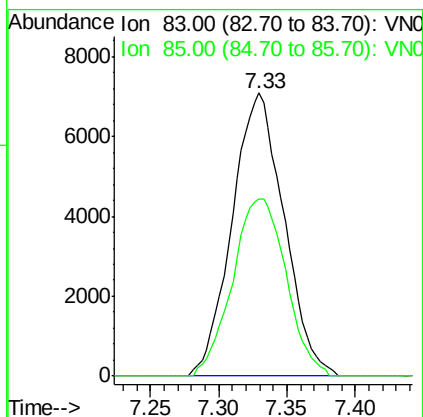
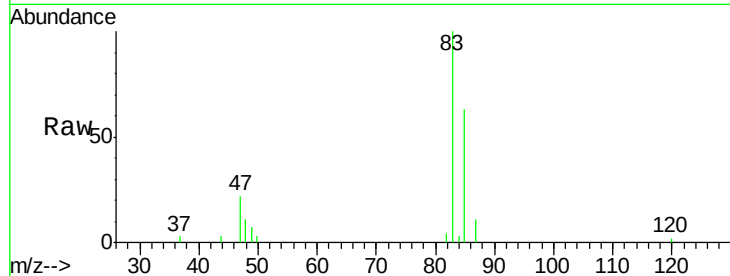




#25
Chloroform
Concen: 5.350 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

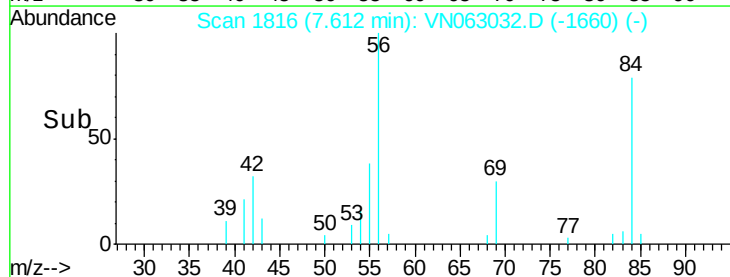
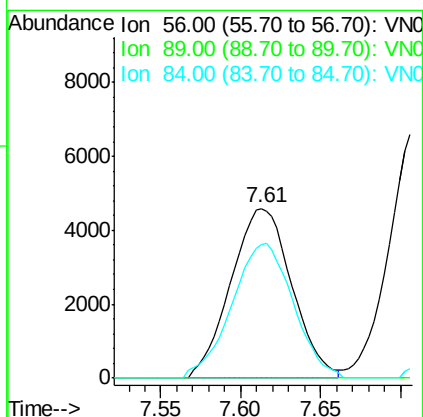
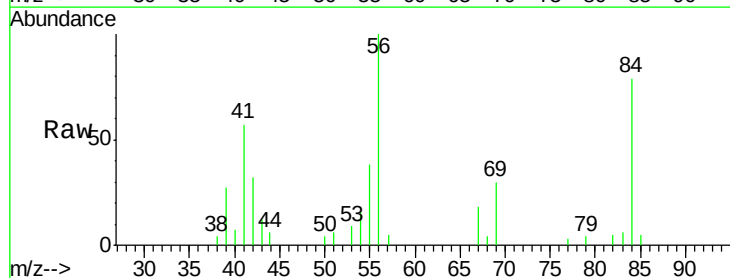
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

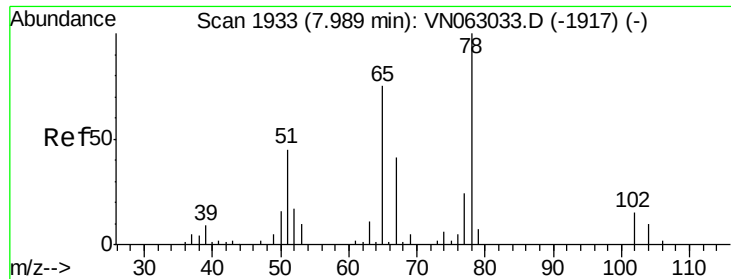
Tgt Ion: 83 Resp: 18724
Ion Ratio Lower Upper
83 100
85 62.7 51.0 76.4



#26
Cyclohexane
Concen: 3.969 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion: 56 Resp: 12007
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 79.8 65.0 97.4

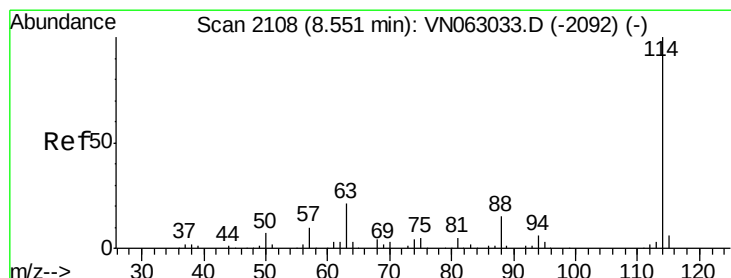
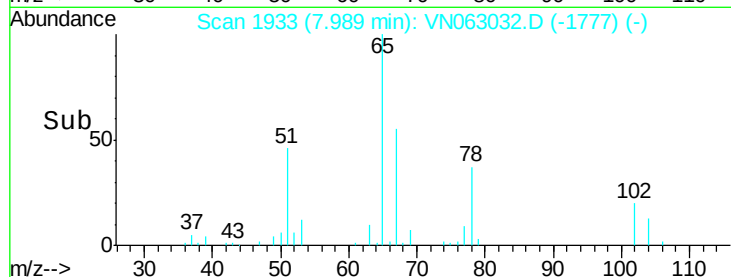
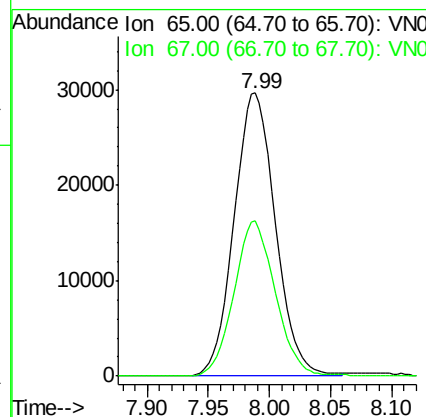
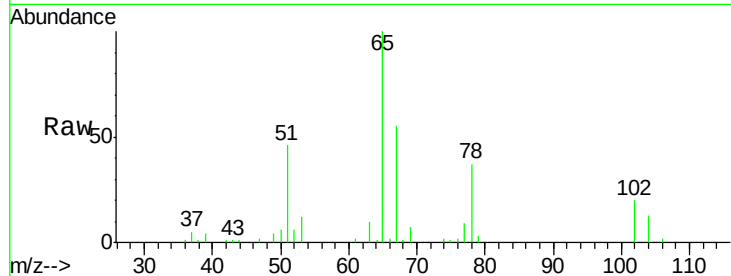




#27
 1,2-Dichloroethane-d4
 Concen: 30.815 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

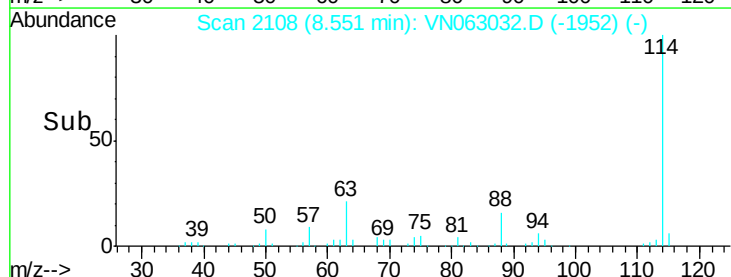
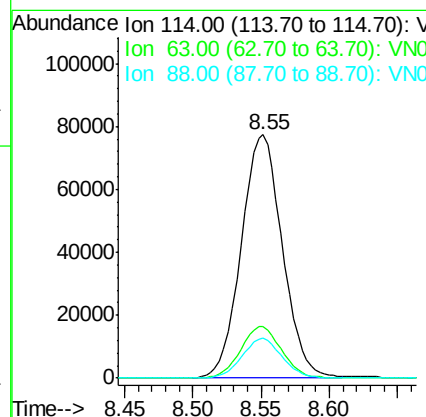
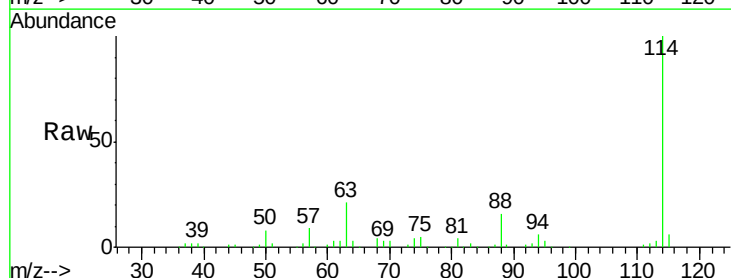
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

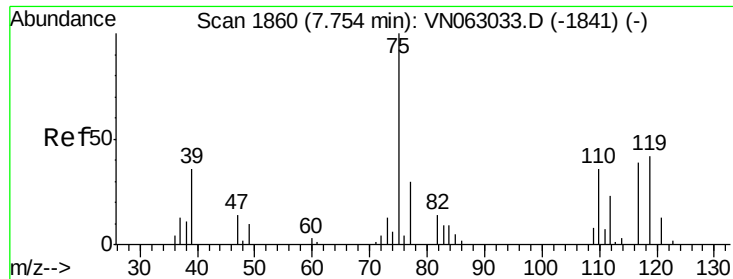
Tgt Ion: 65 Resp: 69705
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.8 65.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 114 Resp: 161719
 Ion Ratio Lower Upper
 114 100
 63 21.1 17.0 25.6
 88 15.9 12.6 18.8

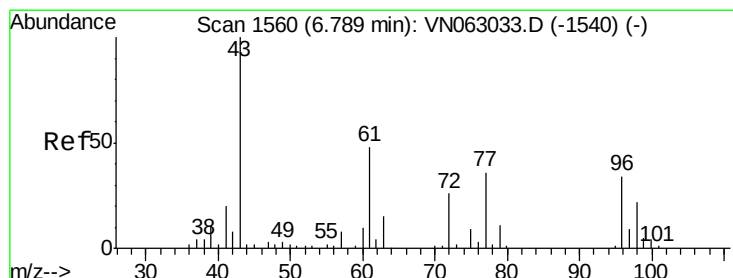
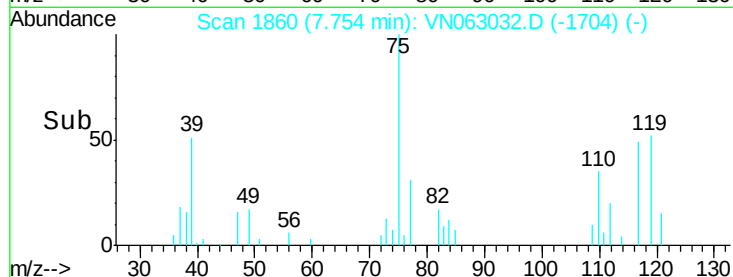
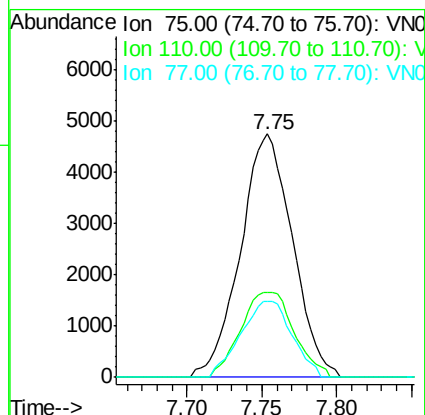
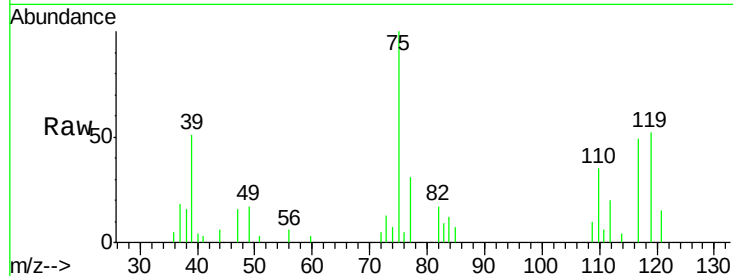




#29
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

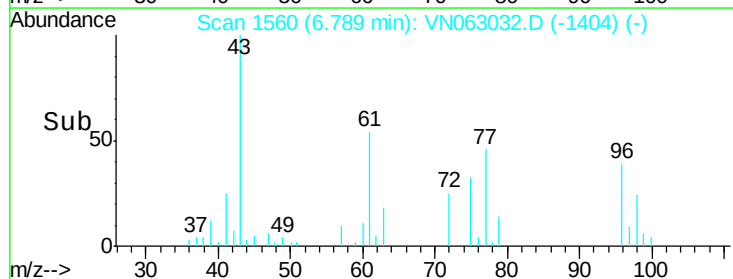
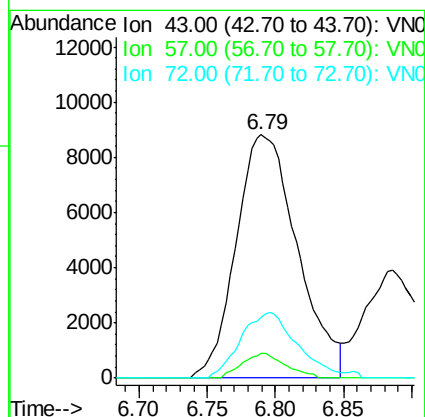
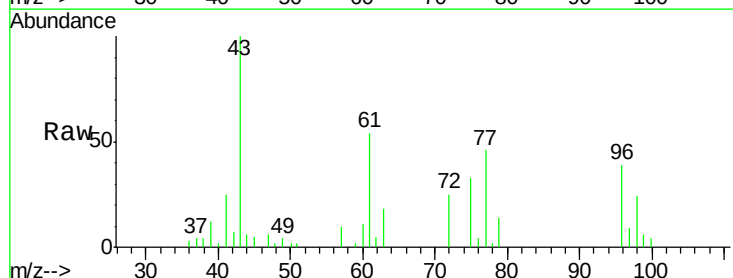
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

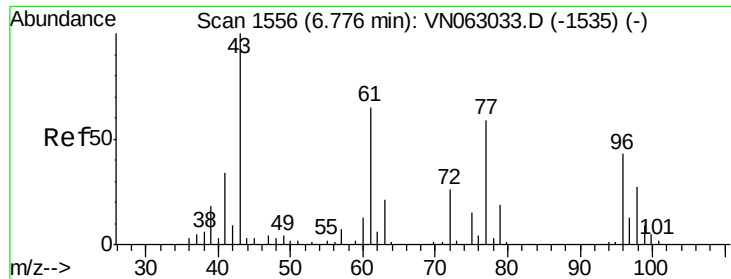
Tgt Ion: 75 Resp: 11456
 Ion Ratio Lower Upper
 75 100
 110 36.0 0.0 70.6
 77 30.8 0.0 60.2



#30
 2-Butanone
 Concen: 25.159 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 43 Resp: 27540
 Ion Ratio Lower Upper
 43 100
 57 7.2 6.6 9.8
 72 24.8 21.3 31.9

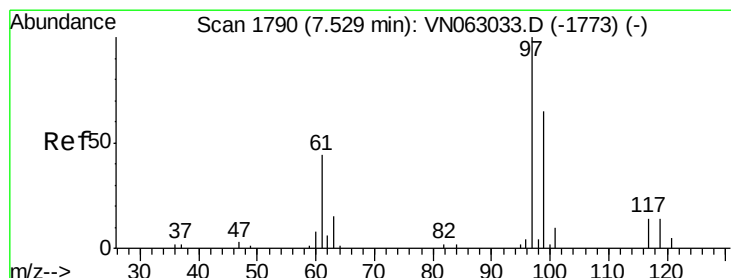
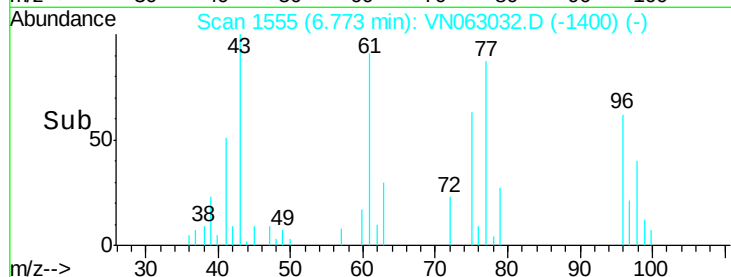
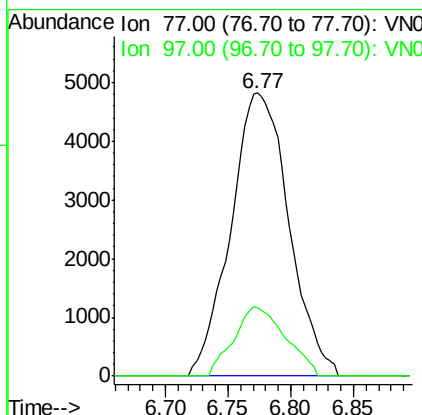
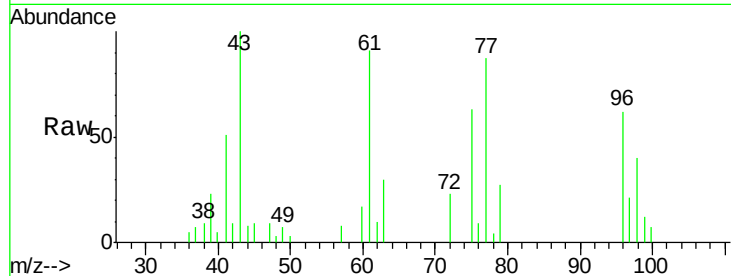




#31
 2,2-Dichloropropane
 Concen: 5.428 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

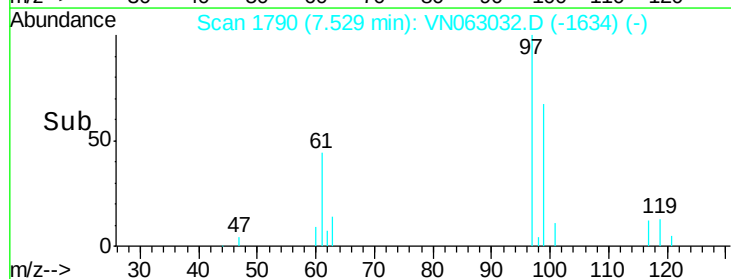
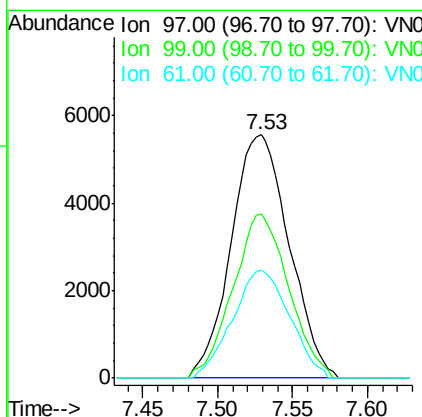
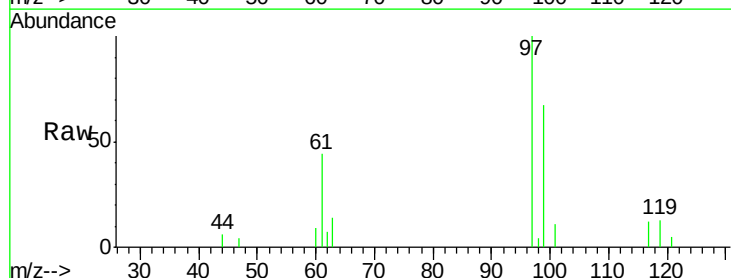
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

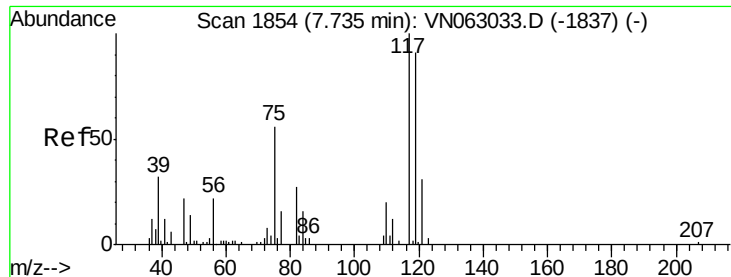
Tgt Ion: 77 Resp: 15494
 Ion Ratio Lower Upper
 77 100
 97 21.8 18.2 27.4



#32
 1,1,1-Trichloroethane
 Concen: 5.307 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 97 Resp: 15013
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.7 77.5
 61 43.6 35.3 52.9

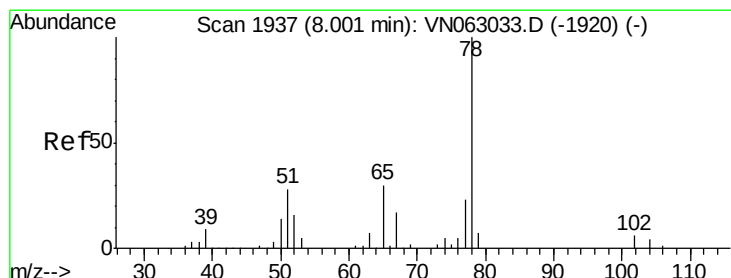
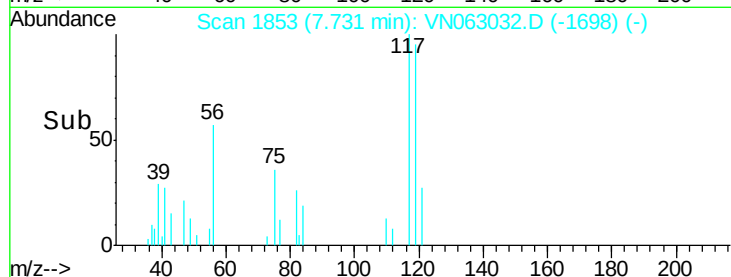
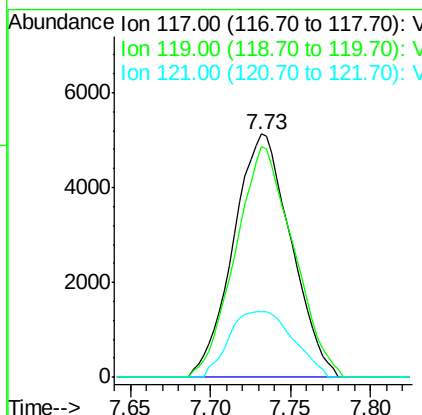
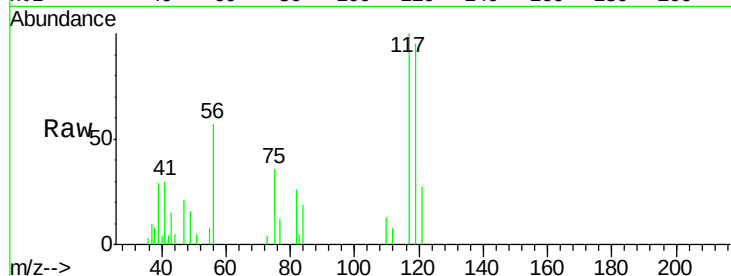




#33
Carbon Tetrachloride
Concen: 5.269 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

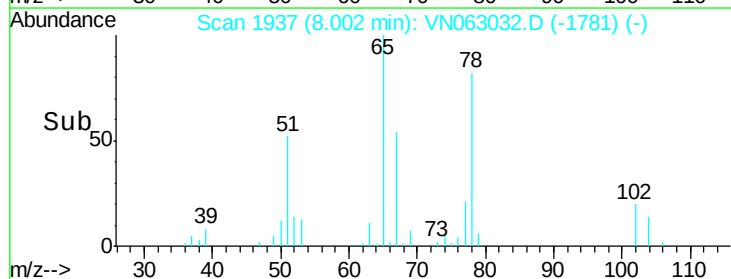
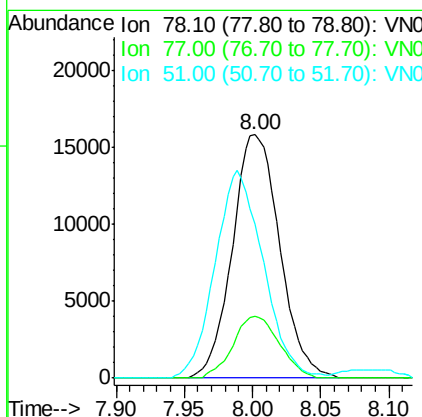
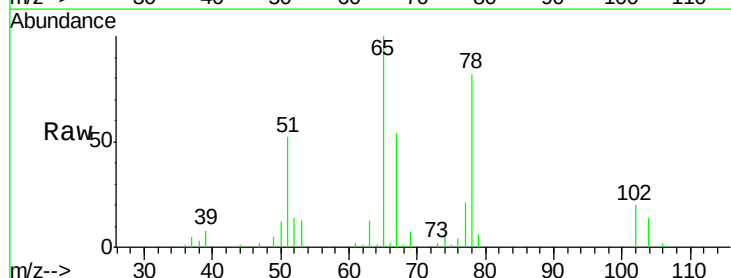
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

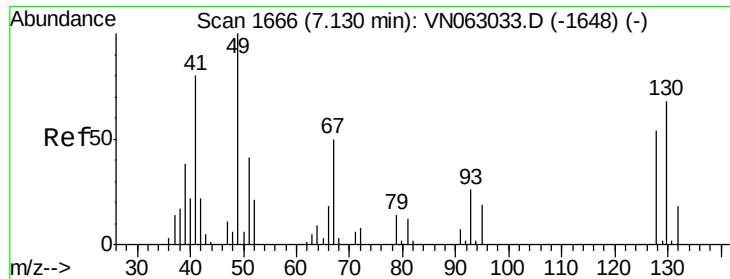
Tgt Ion: 117 Resp: 12692
Ion Ratio Lower Upper
117 100
119 94.7 73.0 109.4
121 27.0 24.9 37.3



#34
Benzene
Concen: 5.082 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion: 78 Resp: 38247
Ion Ratio Lower Upper
78 100
77 25.7 18.6 27.8
51 60.8 22.2 33.2#

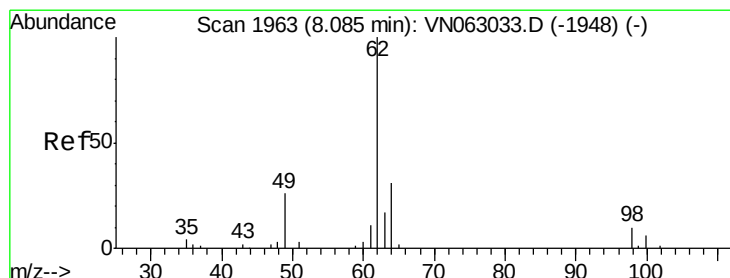
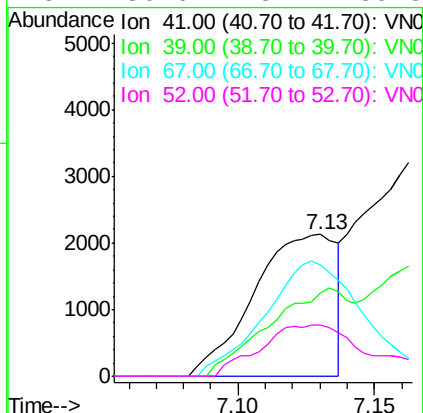
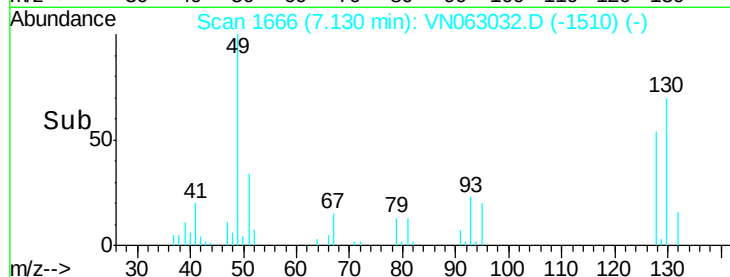
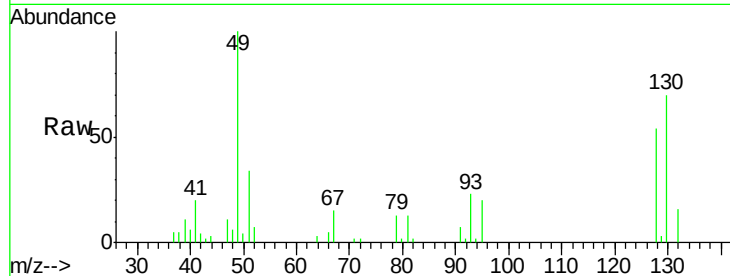




#35
Methacrylonitrile
Concen: 4.392 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

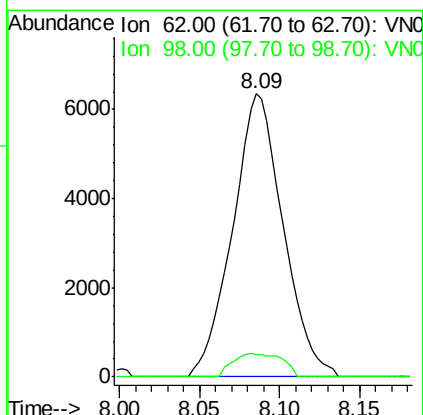
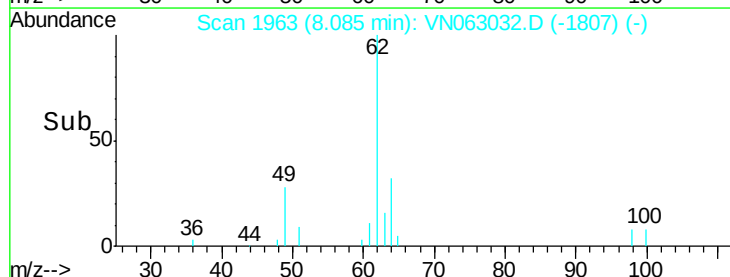
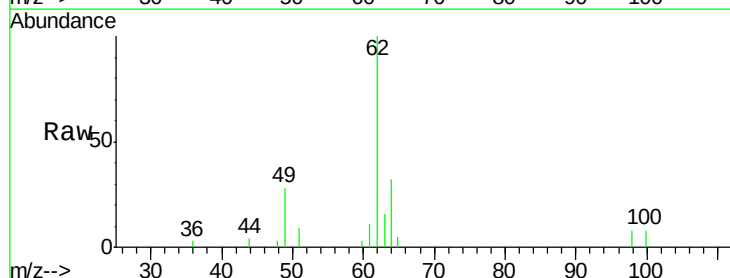
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

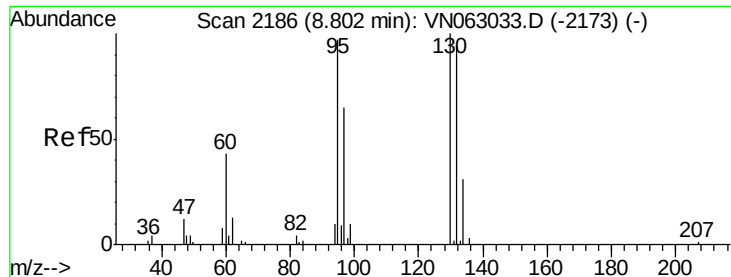
Tgt Ion: 41 Resp: 4484
Ion Ratio Lower Upper
41 100
39 58.6 23.7 71.1
67 78.8 31.6 94.7
52 36.6 13.1 39.3



#36
1,2-Dichloroethane
Concen: 5.345 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion: 62 Resp: 13725
Ion Ratio Lower Upper
62 100
98 8.0 7.6 11.4





#37

Trichloroethene

Concen: 5.201 ug/l

RT: 8.81 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

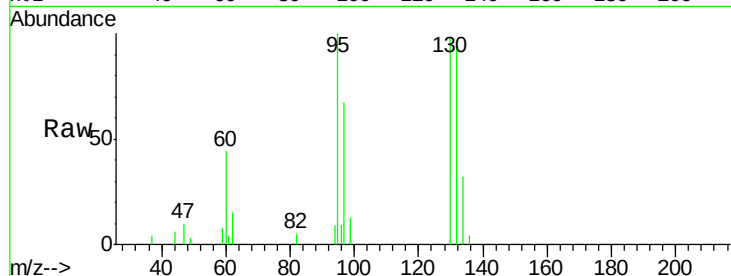
VSTDIC005

Tgt Ion:130 Resp: 9586

Ion Ratio Lower Upper

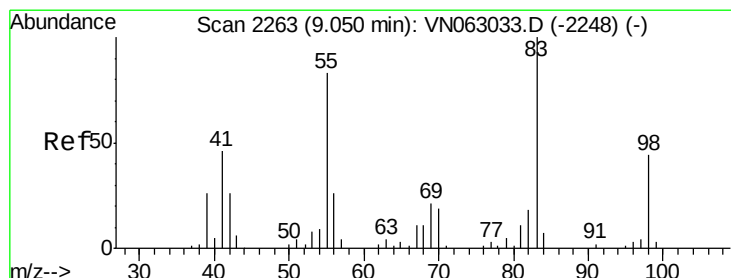
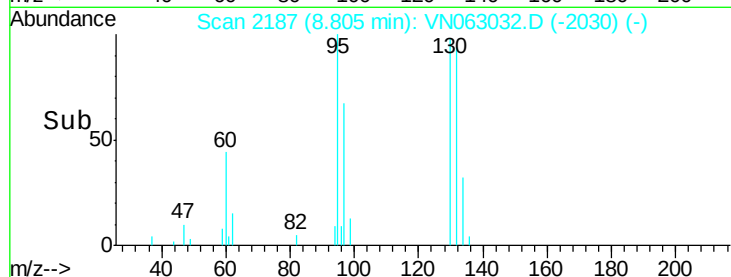
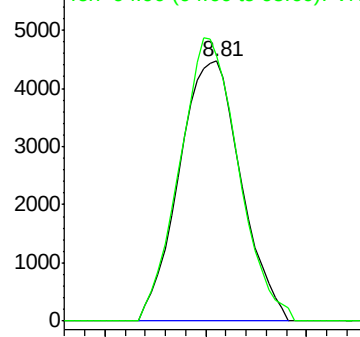
130 100

95 101.9 78.9 118.3



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 3.978 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

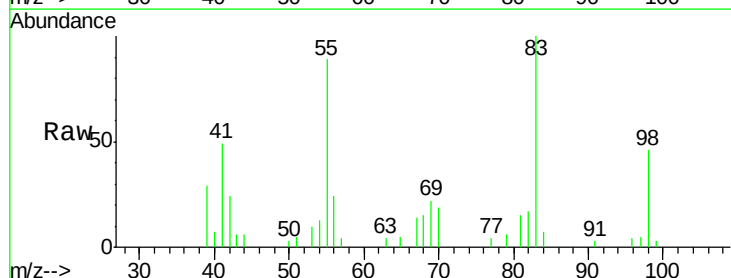
Tgt Ion: 83 Resp: 11717

Ion Ratio Lower Upper

83 100

55 84.6 41.9 125.7

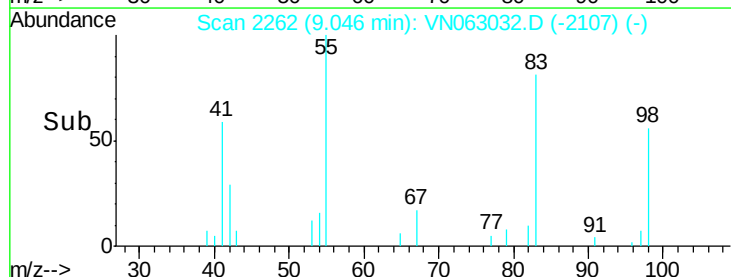
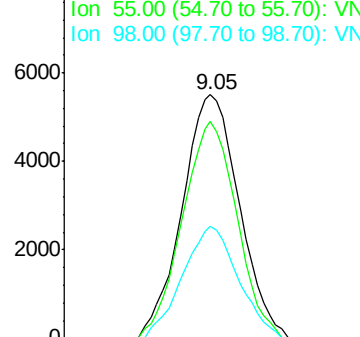
98 44.7 22.2 66.6

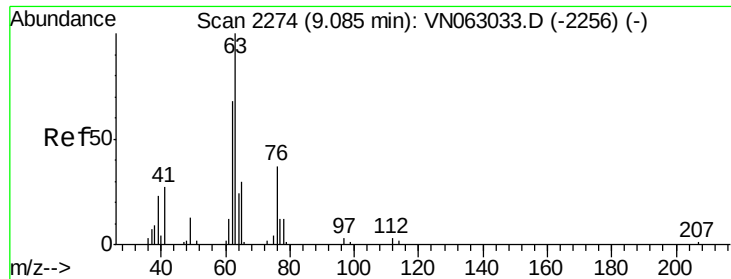


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

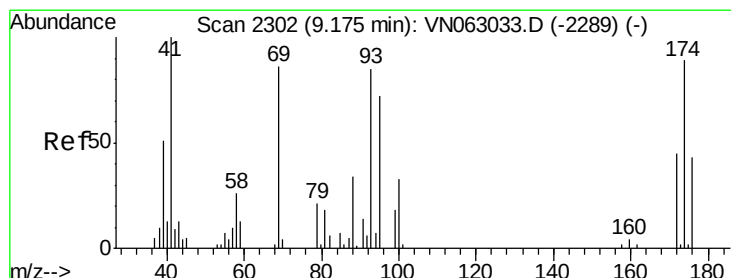
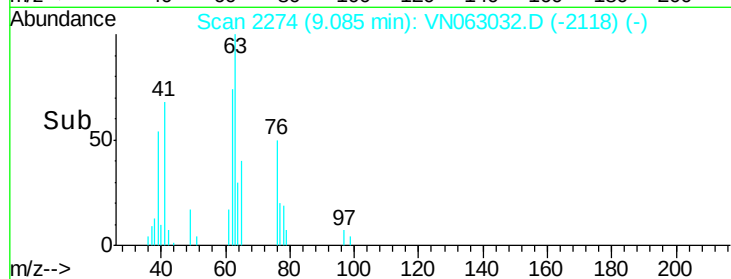
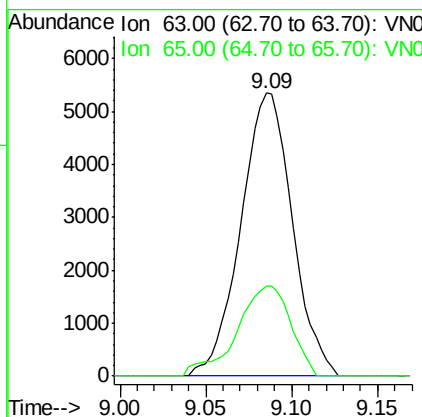
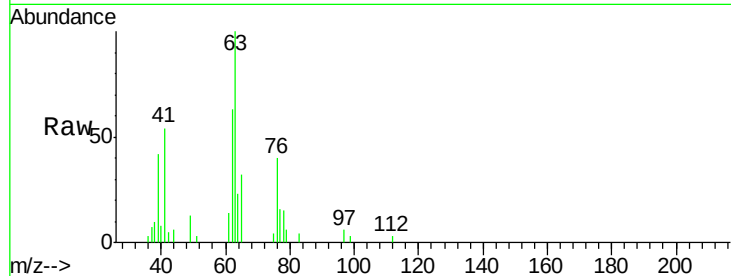




#39
 1,2-Dichloropropane
 Concen: 5.092 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

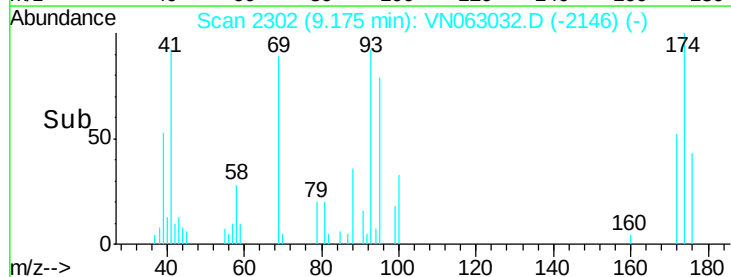
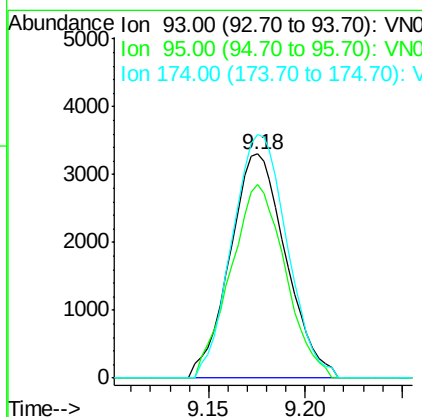
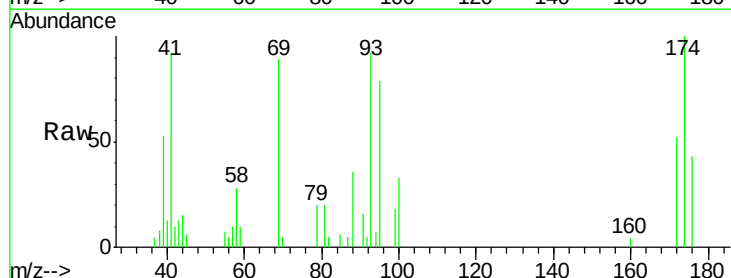
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

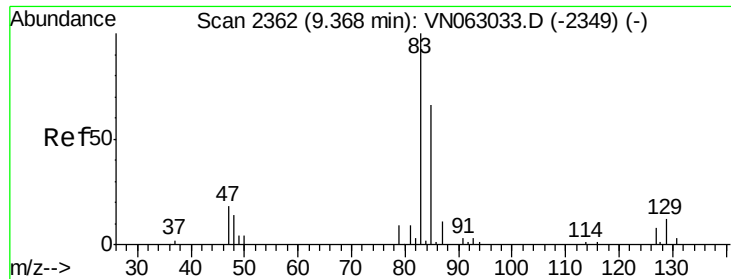
Tgt Ion: 63 Resp: 11153
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.1 37.7



#40
 Dibromomethane
 Concen: 5.235 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 93 Resp: 6658
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 168.2
 174 106.6 0.0 208.4

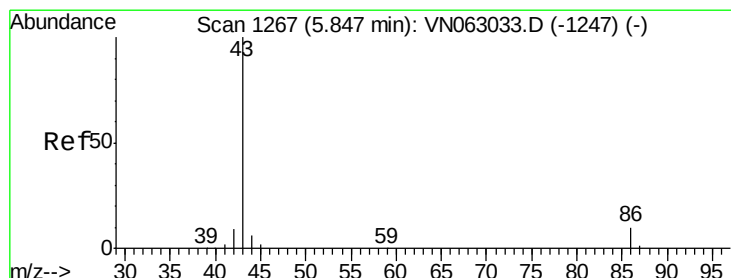
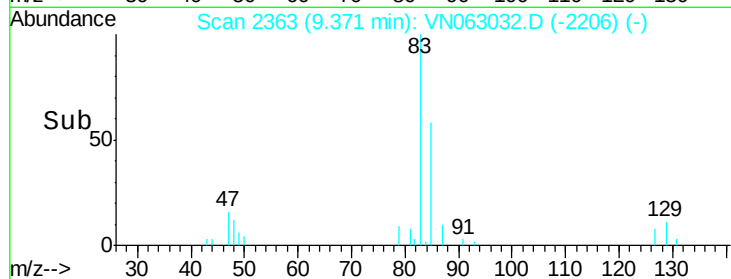
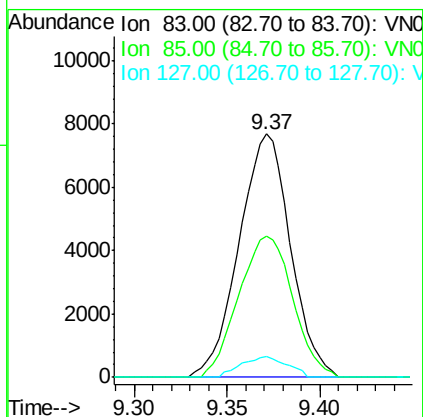
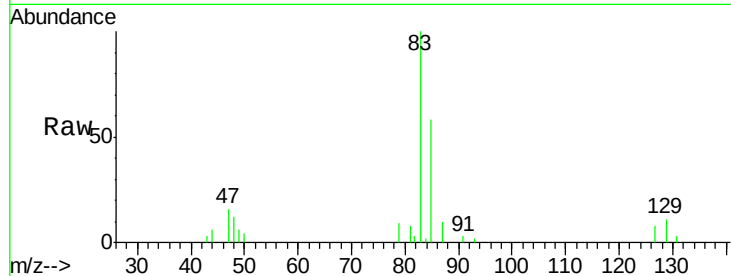




#41
 Bromodichloromethane
 Concen: 5.277 ug/l
 RT: 9.37 min Scan# 2363
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

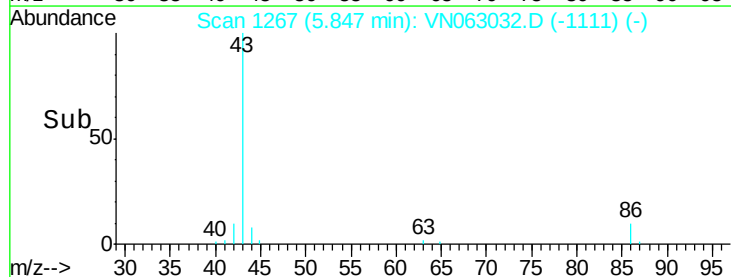
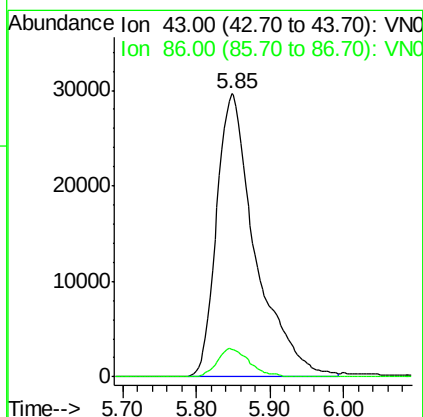
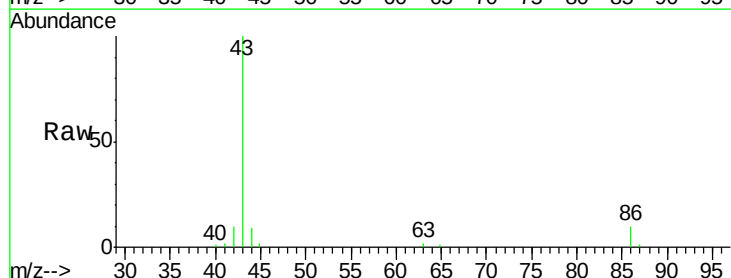
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

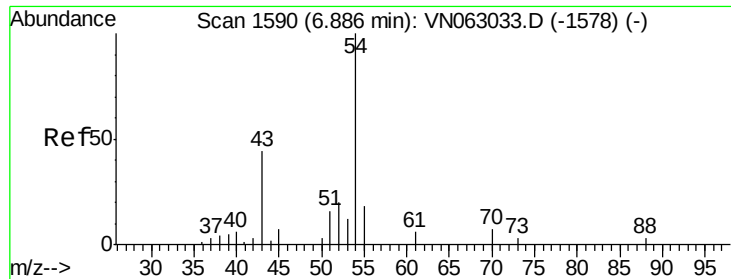
Tgt Ion: 83 Resp: 14871
 Ion Ratio Lower Upper
 83 100
 85 58.0 52.6 79.0
 127 8.4 7.4 11.0



#42
 Vinyl Acetate
 Concen: 26.220 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 43 Resp: 108729
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.7 10.1





#43

Ethyl Acetate

Concen: 5.168 ug/l

RT: 6.89 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

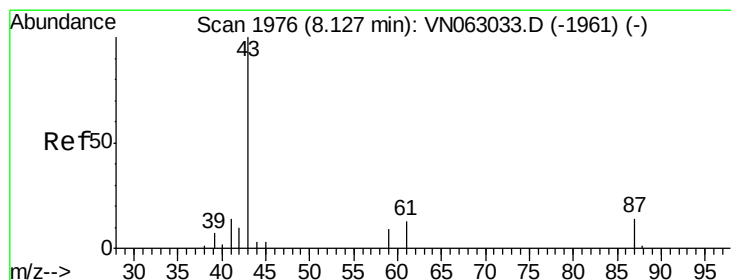
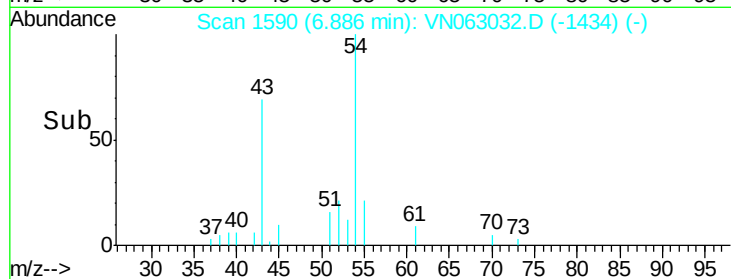
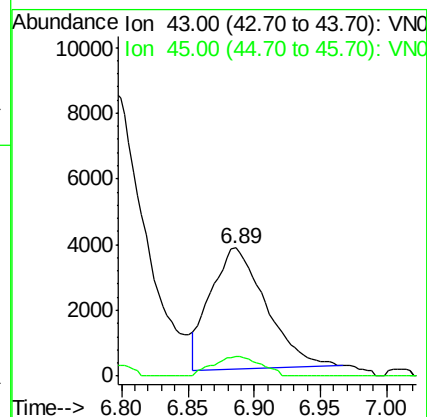
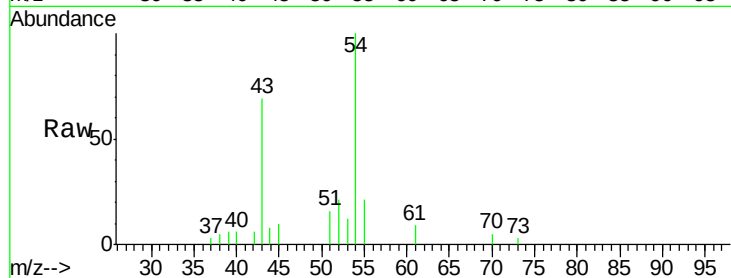
VSTDIC005

Tgt Ion: 43 Resp: 10798

Ion Ratio Lower Upper

43 100

45 13.7 11.3 16.9



#44

Isopropyl Acetate

Concen: 4.943 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN063032.D

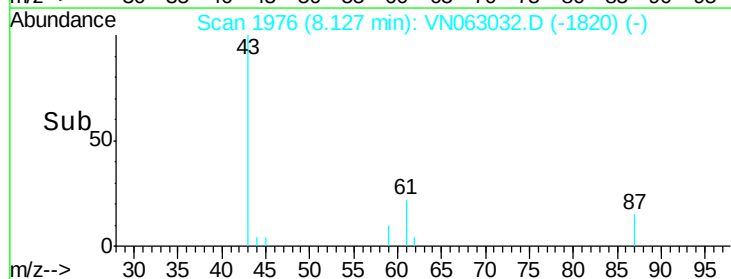
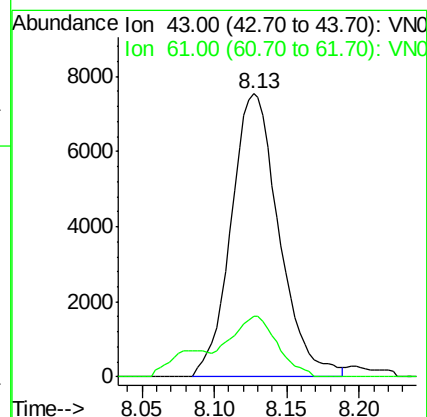
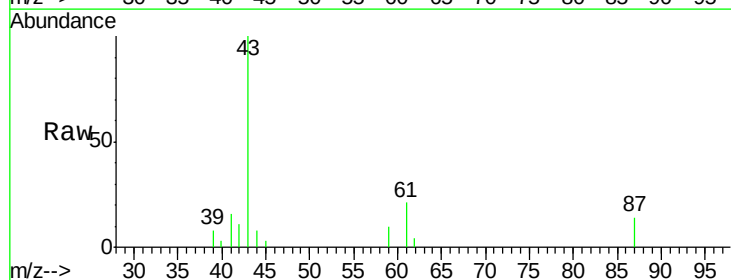
Acq: 20 Aug 2020 12:36

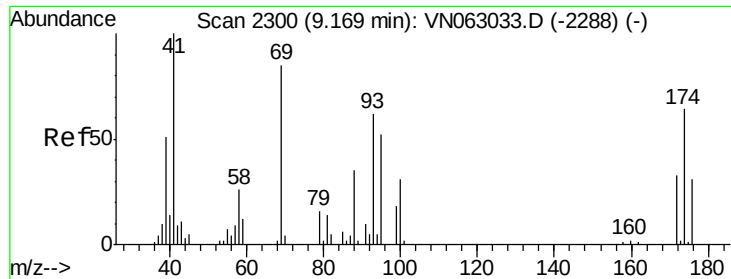
Tgt Ion: 43 Resp: 17337

Ion Ratio Lower Upper

43 100

61 21.5 17.5 26.3

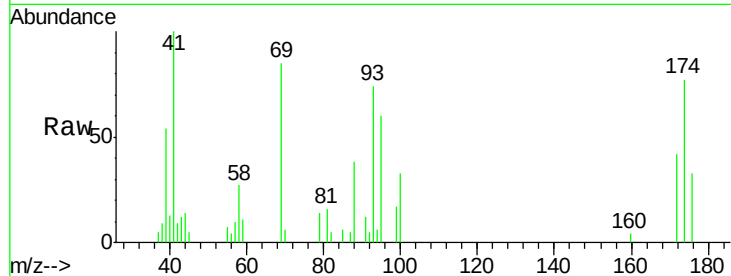




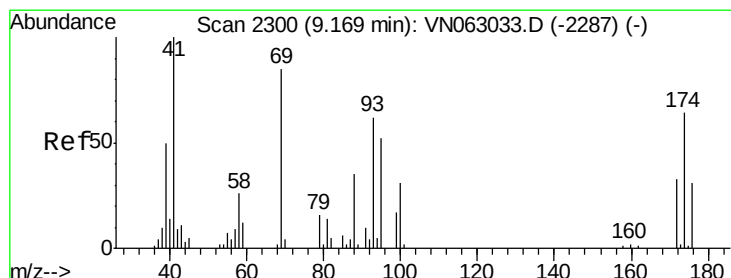
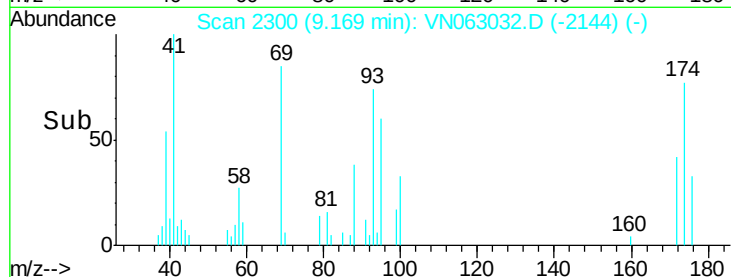
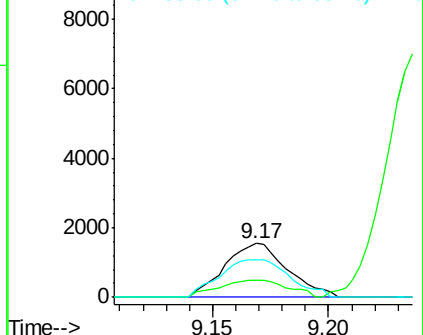
#45
 1,4-Dioxane
 Concen: 88.674 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 88 Resp: 2913
 Ion Ratio Lower Upper
 88 100
 43 35.3 28.5 42.7
 58 77.5 59.6 89.4

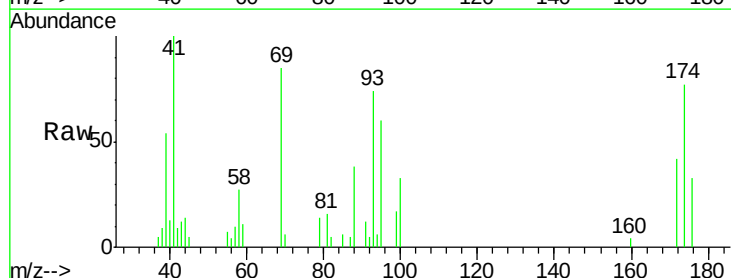


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

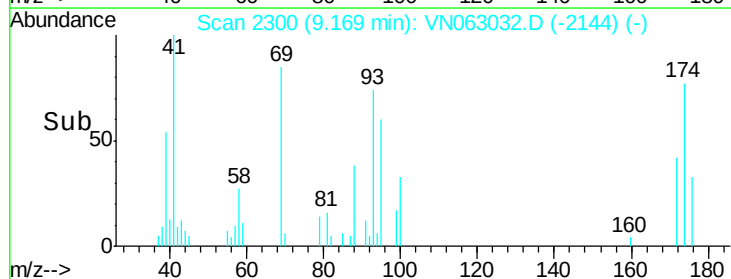
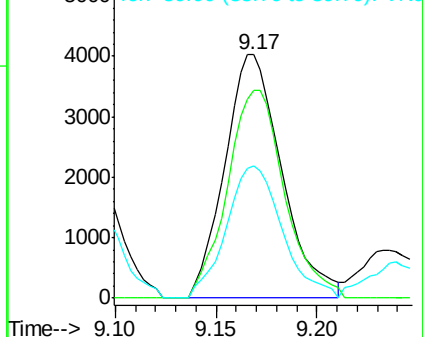


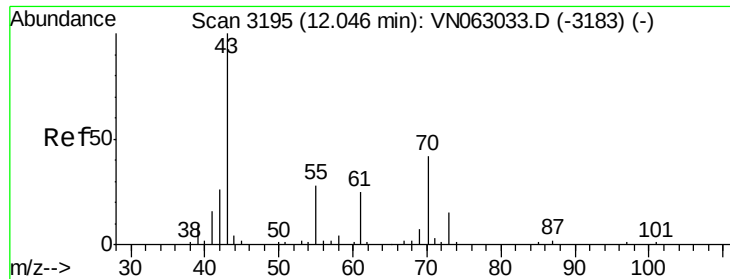
#46
 Methyl methacrylate
 Concen: 4.615 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 41 Resp: 7969
 Ion Ratio Lower Upper
 41 100
 69 85.3 42.6 128.0
 39 54.4 25.1 75.4



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





#47

n-amyl Acetate

Concen: 4.216 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

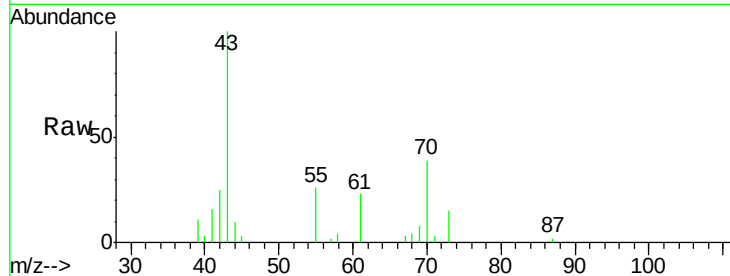
VSTDIC005

Tgt Ion: 43 Resp: 13125

Ion Ratio Lower Upper

43 100

55 23.4 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN063033.D (-3183) (-)

Ion 55.00 (54.70 to 55.70): VN063033.D (-3183) (-)

12.05

8000

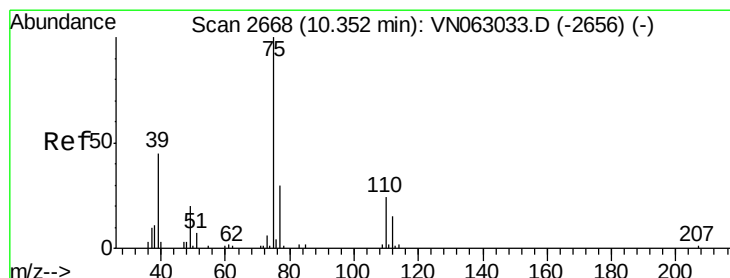
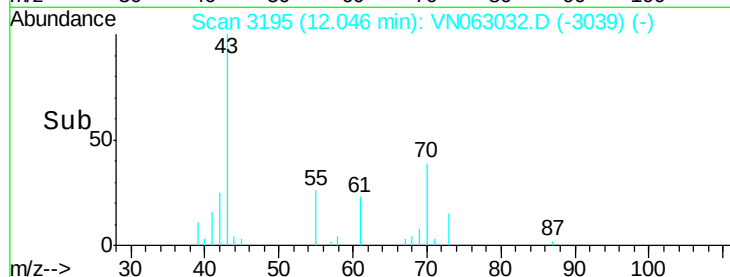
6000

4000

2000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 4.783 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN063032.D

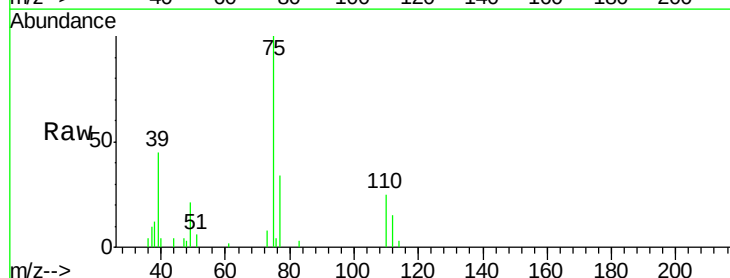
Acq: 20 Aug 2020 12:36

Tgt Ion: 75 Resp: 14237

Ion Ratio Lower Upper

75 100

77 34.5 23.8 35.8



Abundance Ion 75.00 (74.70 to 75.70): VN063033.D (-2656) (-)

Ion 77.00 (76.70 to 77.70): VN063033.D (-2656) (-)

10.36

8000

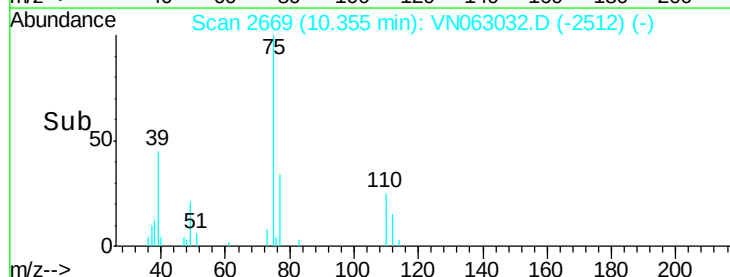
6000

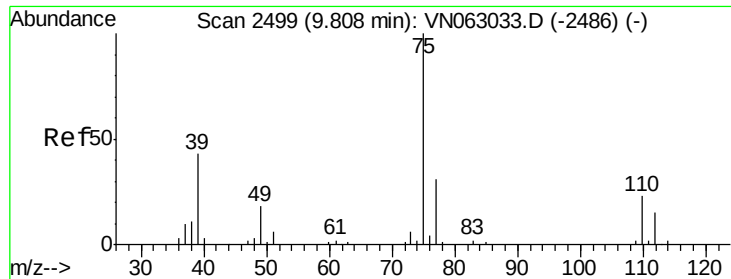
4000

2000

0

Time-->

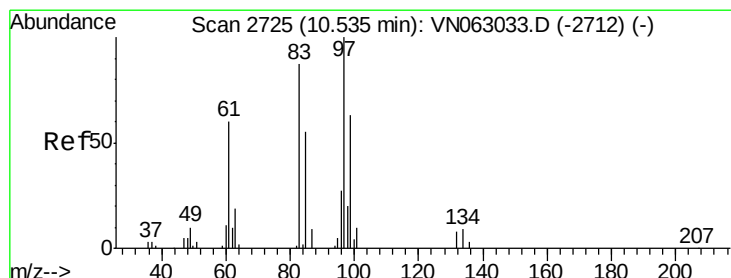
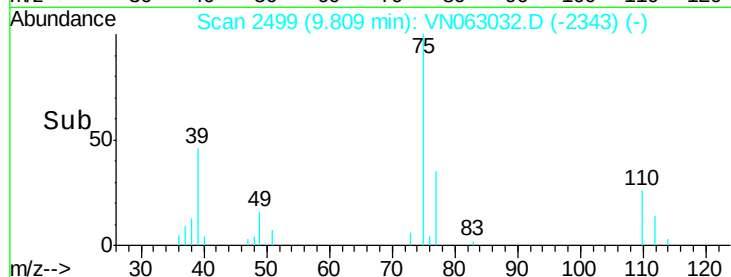
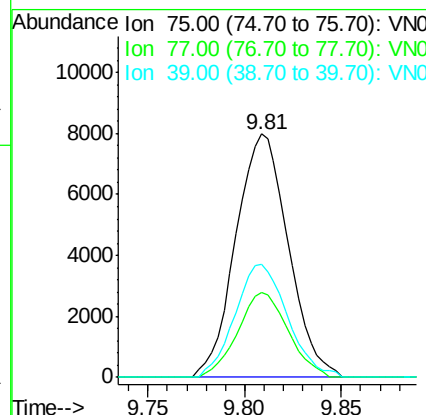
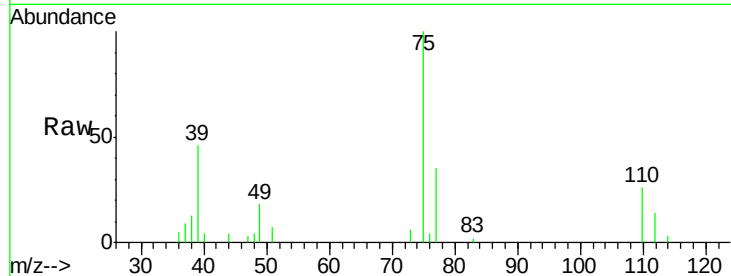




#49
 cis-1,3-Dichloropropene
 Concen: 4.650 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

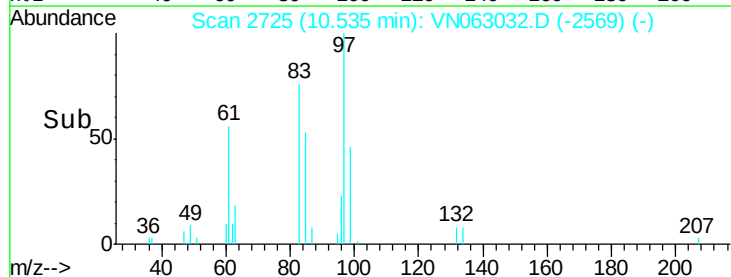
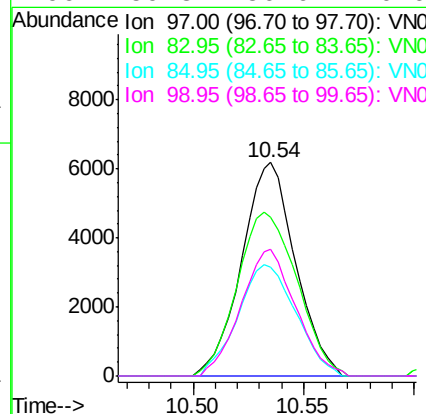
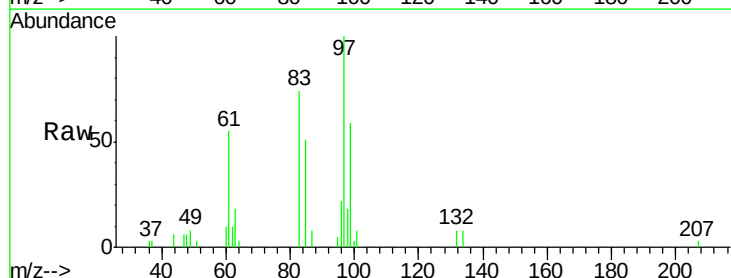
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

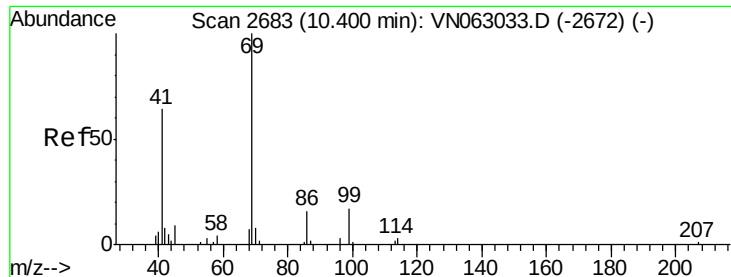
Tgt Ion: 75 Resp: 15066
 Ion Ratio Lower Upper
 75 100
 77 35.1 24.8 37.2
 39 46.2 34.5 51.7



#50
 1,1,2-Trichloroethane
 Concen: 5.328 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 97 Resp: 10448
 Ion Ratio Lower Upper
 97 100
 83 74.2 69.9 104.9
 85 51.2 44.0 66.0
 99 59.3 50.6 76.0





#51

Ethyl methacrylate

Concen: 4.151 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

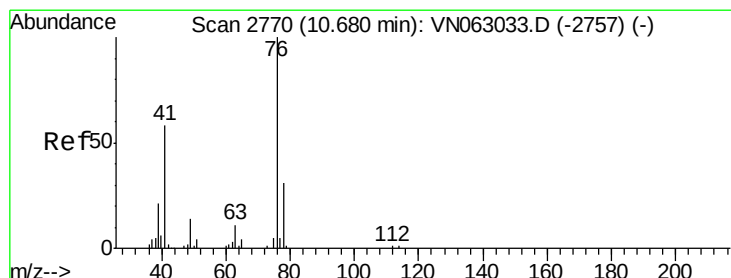
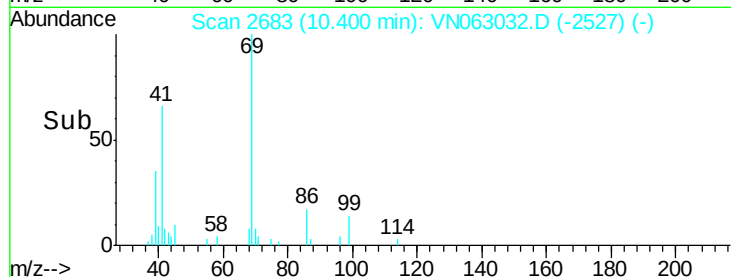
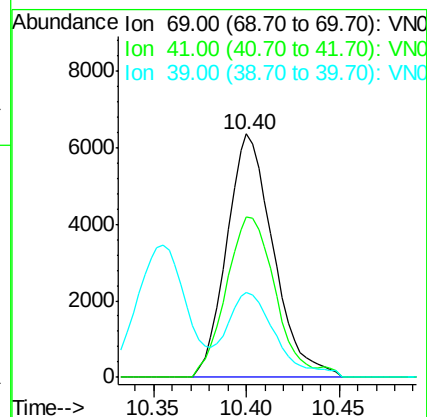
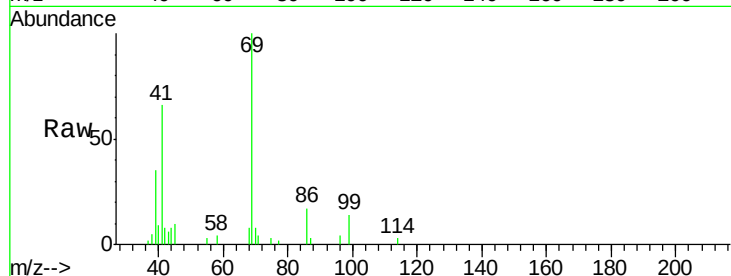
Tgt Ion: 69 Resp: 11073

Ion Ratio Lower Upper

69 100

41 66.0 32.1 96.5

39 34.7 16.1 48.3



#52

1,3-Dichloropropane

Concen: 4.981 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063032.D

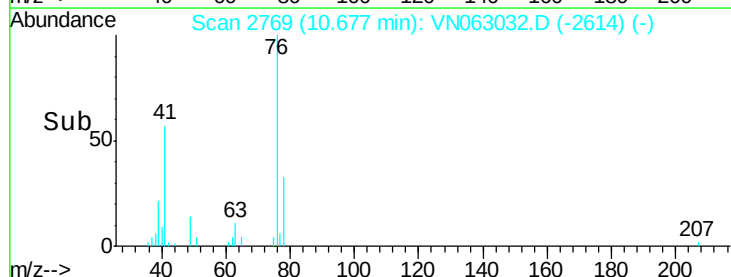
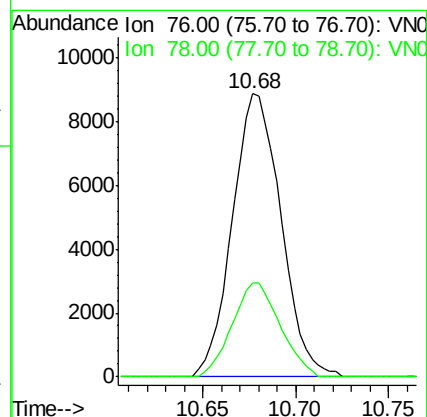
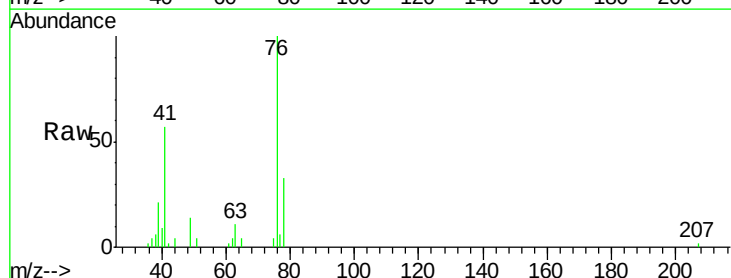
Acq: 20 Aug 2020 12:36

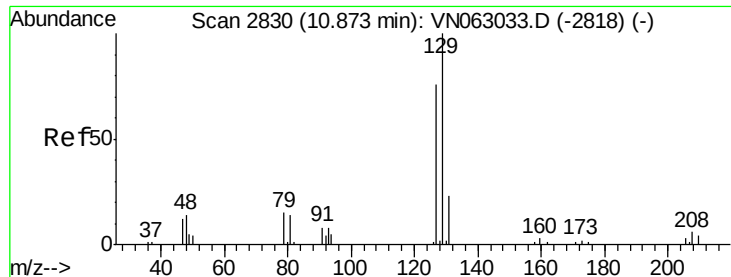
Tgt Ion: 76 Resp: 16137

Ion Ratio Lower Upper

76 100

78 32.7 0.0 63.2





#53

Dibromochloromethane

Concen: 4.827 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

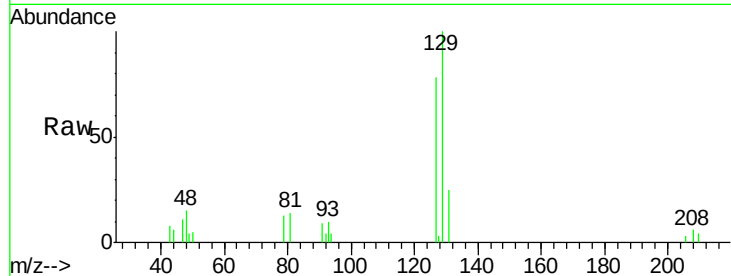
VSTDIC005

Tgt Ion:129 Resp: 10386

Ion Ratio Lower Upper

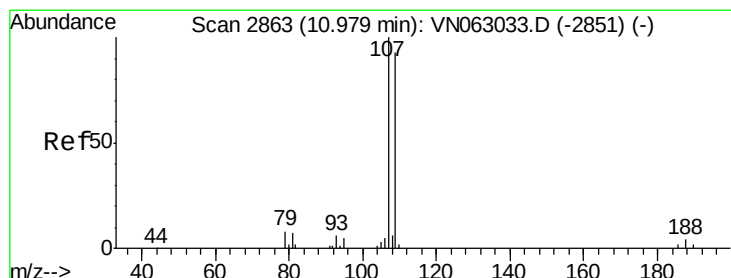
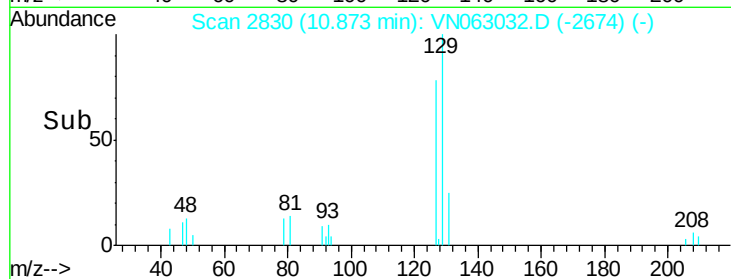
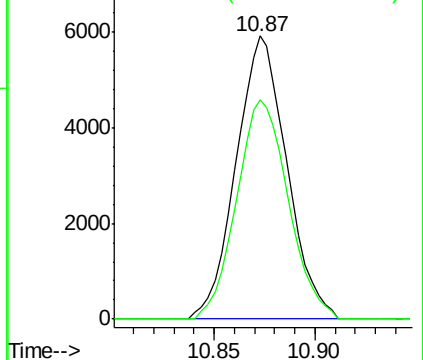
129 100

127 79.0 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: 4.858 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN063032.D

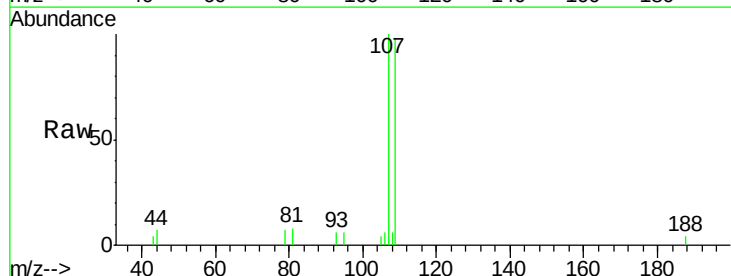
Acq: 20 Aug 2020 12:36

Tgt Ion:107 Resp: 9139

Ion Ratio Lower Upper

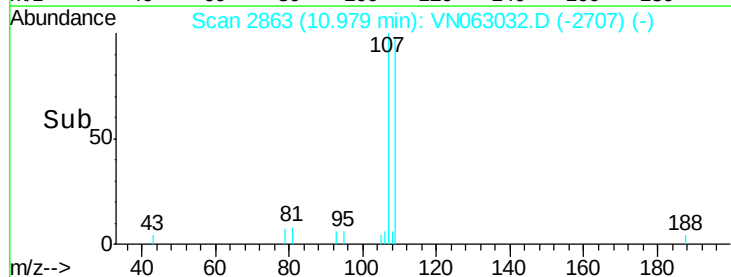
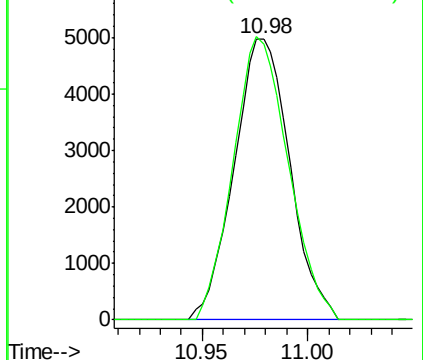
107 100

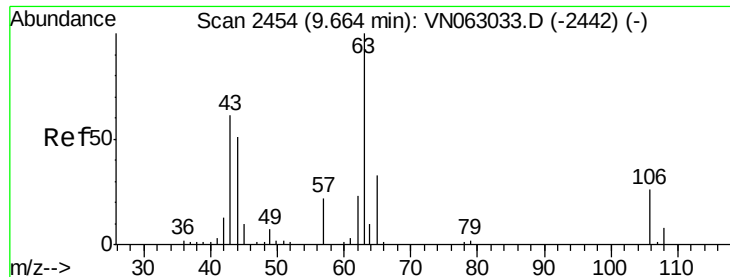
109 99.5 76.3 114.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

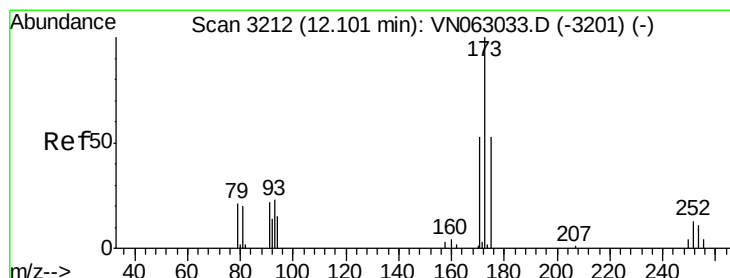
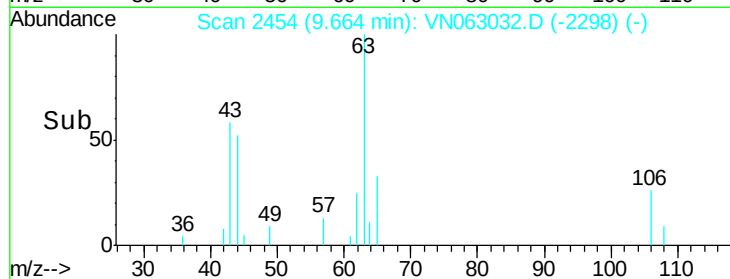
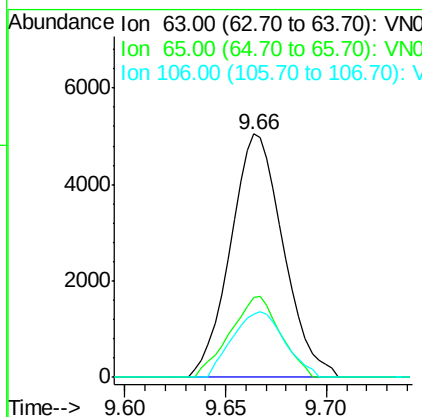
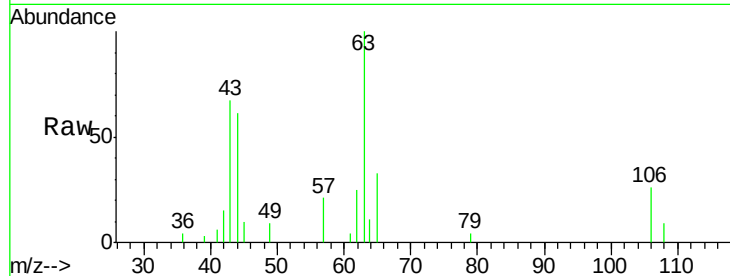




#55
 2-Chloroethyl vinyl ether
 Concen: 16.834 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

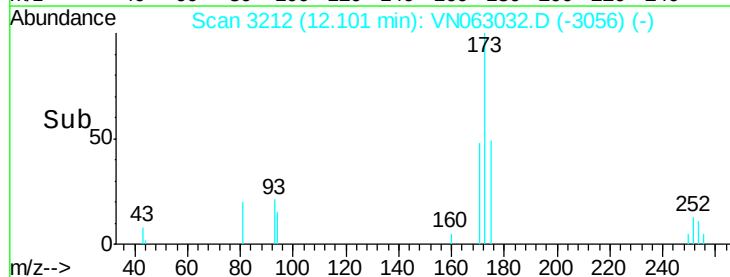
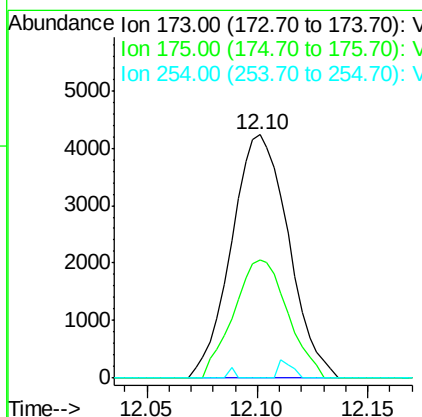
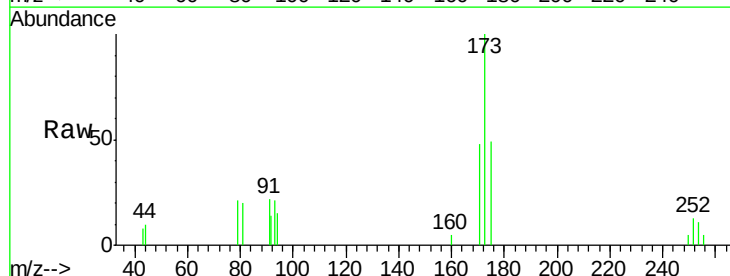
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

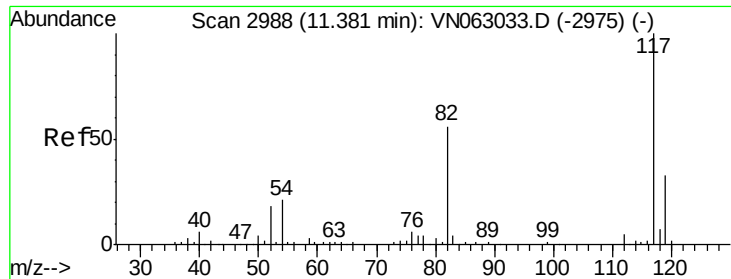
Tgt Ion:	63	Resp:	9225
Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.9	38.9
106	26.7	19.9	29.9



#56
 Bromoform
 Concen: 4.823 ug/l
 RT: 12.10 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion:	173	Resp:	7600
Ion	Ratio	Lower	Upper
173	100		
175	45.9	41.2	61.8
254	1.9	9.0	13.4#

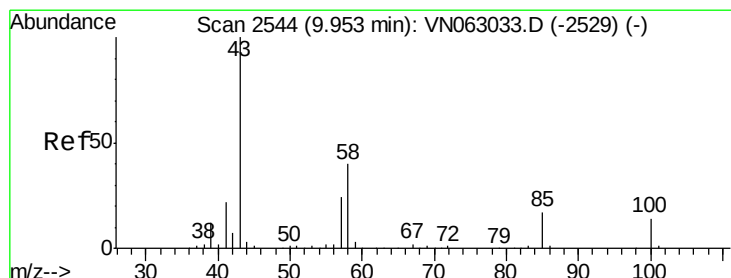
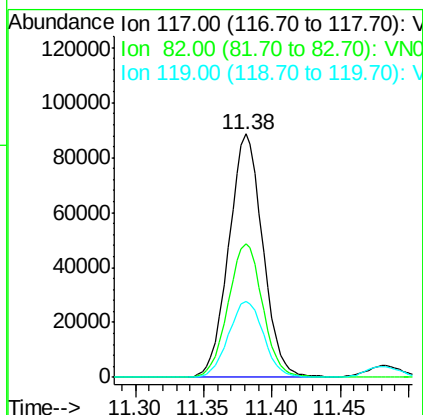
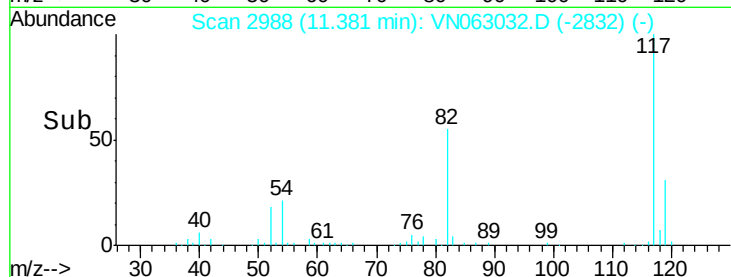
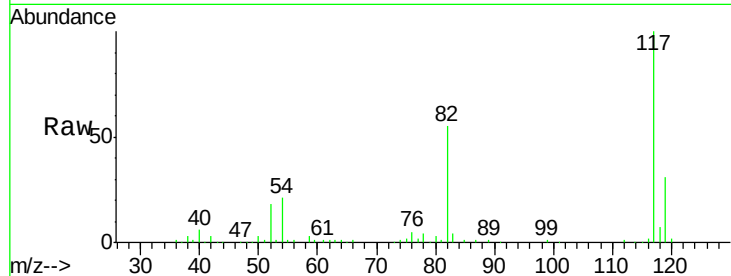




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

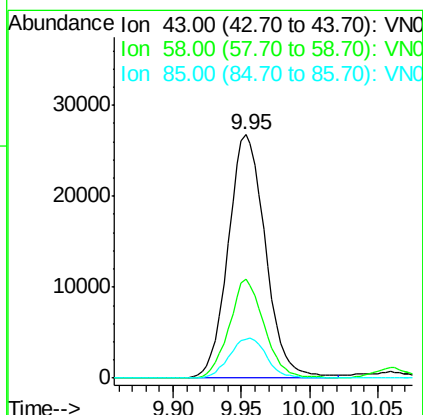
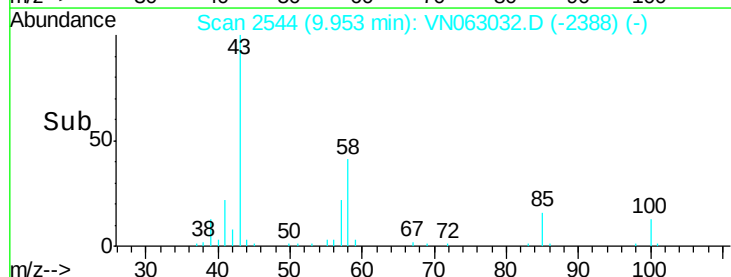
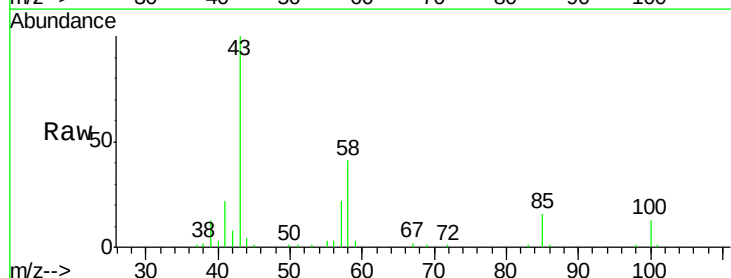
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

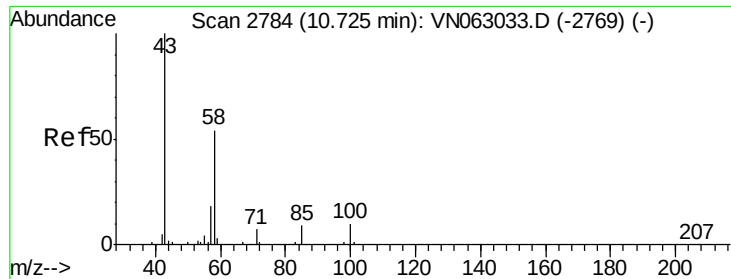
Tgt Ion: 117 Resp: 153206
Ion Ratio Lower Upper
117 100
82 55.7 44.9 67.3
119 32.1 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 23.080 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion: 43 Resp: 50866
Ion Ratio Lower Upper
43 100
58 38.0 31.4 47.0
85 16.4 13.4 20.2





#59

2-Hexanone

Concen: 23.310 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

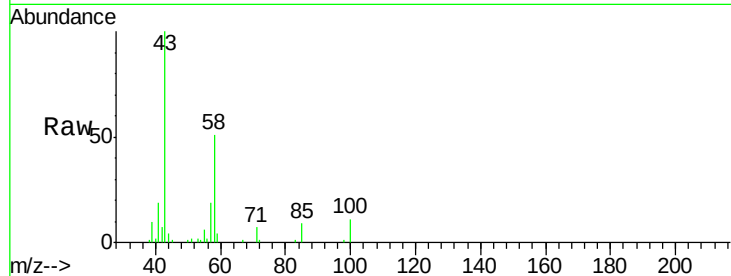
Tgt Ion: 43 Resp: 36648

Ion Ratio Lower Upper

43 100

58 49.4 42.6 64.0

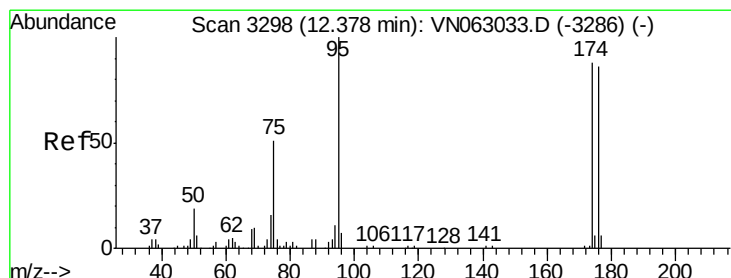
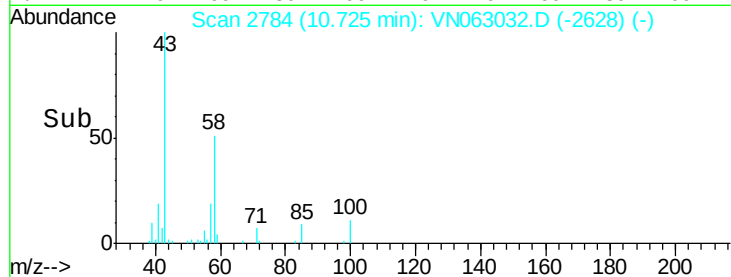
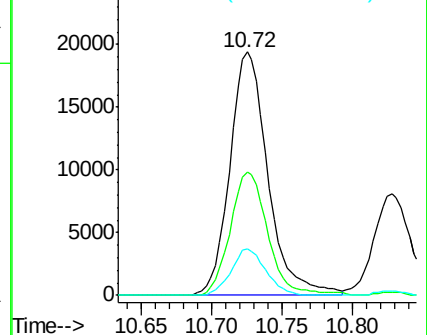
57 17.3 14.6 21.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#60

4-Bromofluorobenzene

Concen: 27.247 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

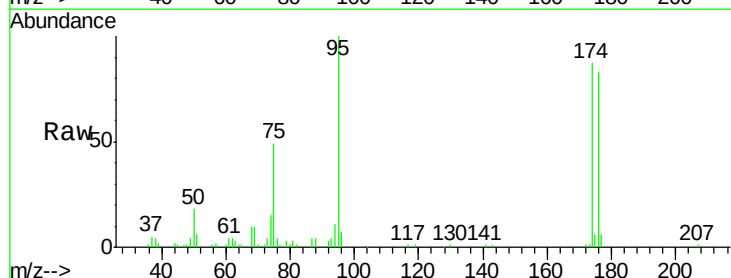
Tgt Ion: 95 Resp: 65964

Ion Ratio Lower Upper

95 100

174 86.2 70.1 105.1

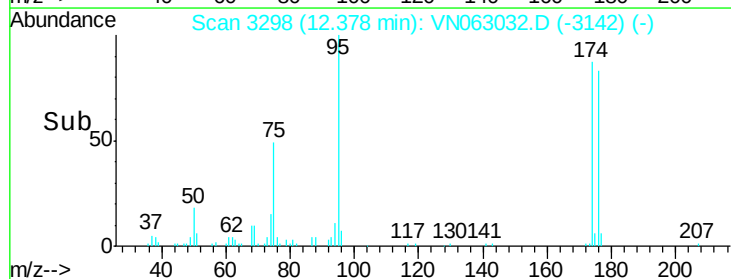
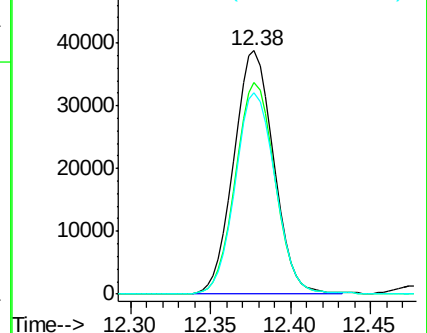
176 83.3 66.8 100.2

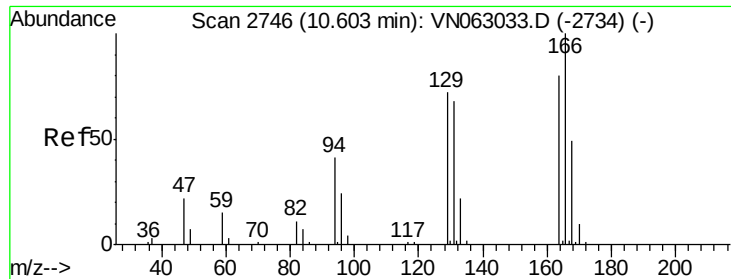


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 5.435 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 164 Resp: 9129

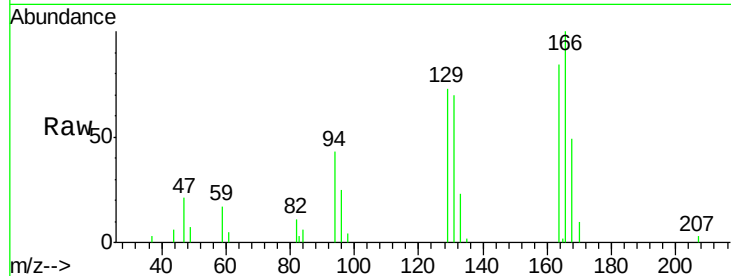
Ion Ratio Lower Upper

164 100

166 118.8 100.1 150.1

129 86.9 72.5 108.7

131 83.6 68.4 102.6

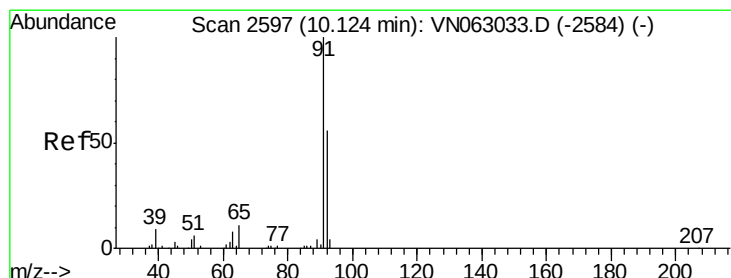
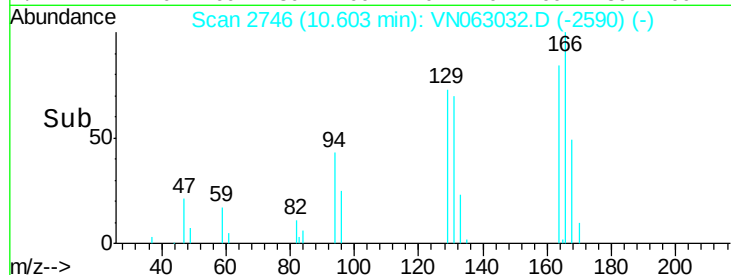
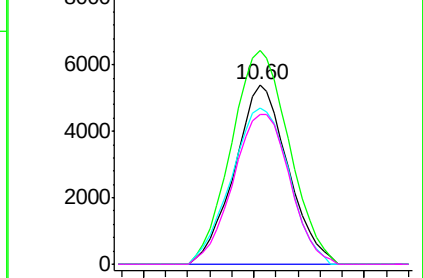


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.128 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN063032.D

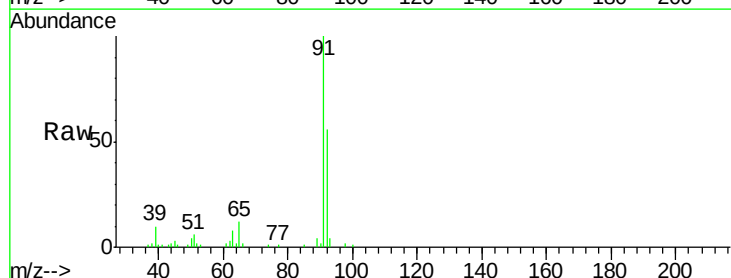
Acq: 20 Aug 2020 12:36

Tgt Ion: 91 Resp: 41635

Ion Ratio Lower Upper

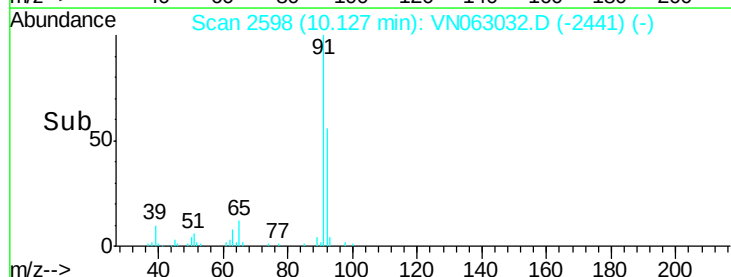
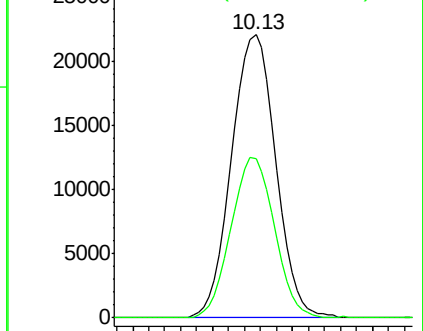
91 100

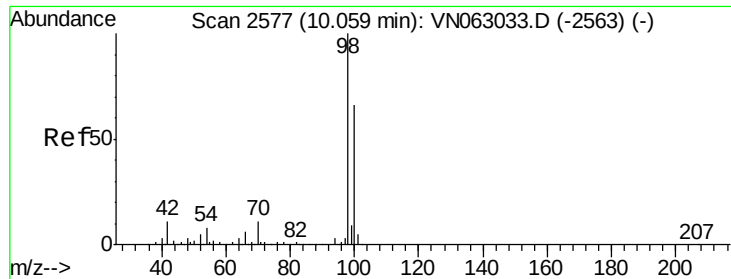
92 55.6 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.996 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

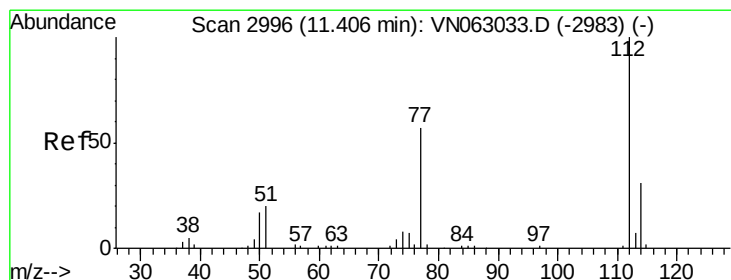
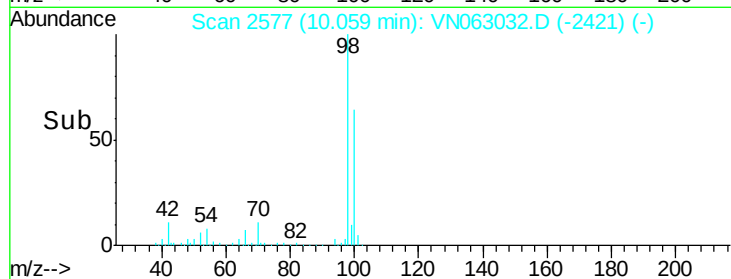
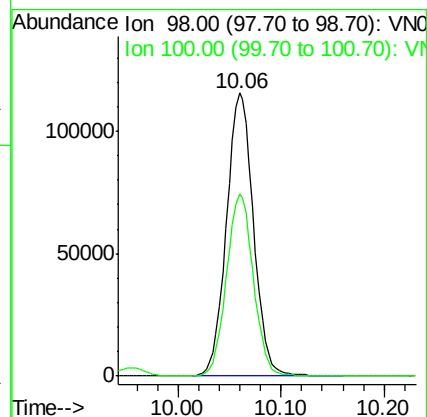
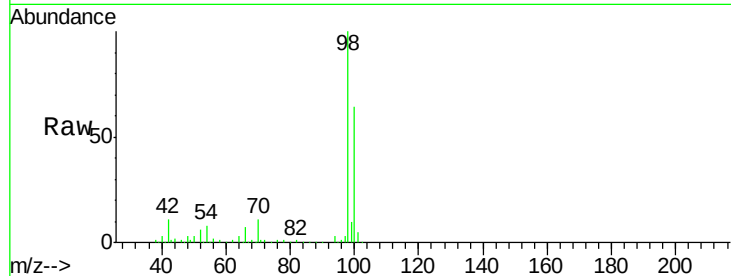
VSTDIC005

Tgt Ion: 98 Resp: 210908

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2



#64

Chlorobenzene

Concen: 4.924 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN063032.D

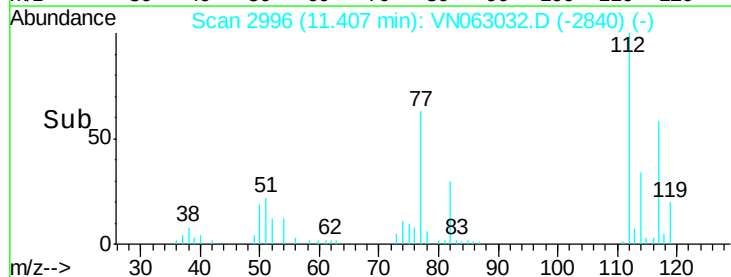
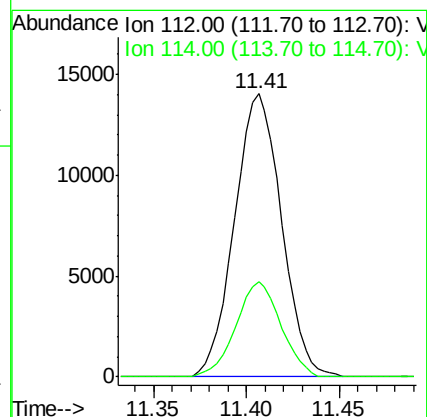
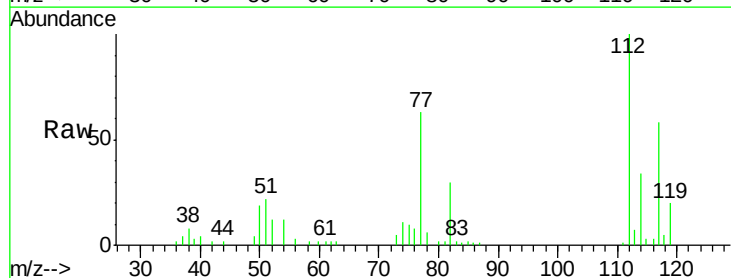
Acq: 20 Aug 2020 12:36

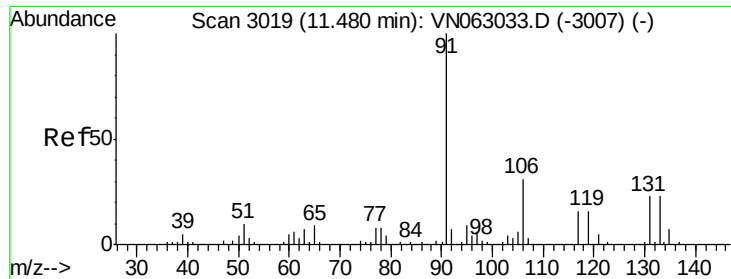
Tgt Ion: 112 Resp: 24738

Ion Ratio Lower Upper

112 100

114 33.6 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 4.998 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

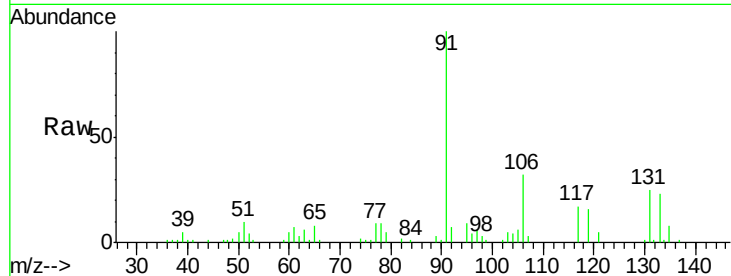
Tgt Ion: 131 Resp: 9953

Ion Ratio Lower Upper

131 100

133 94.9 0.0 191.2

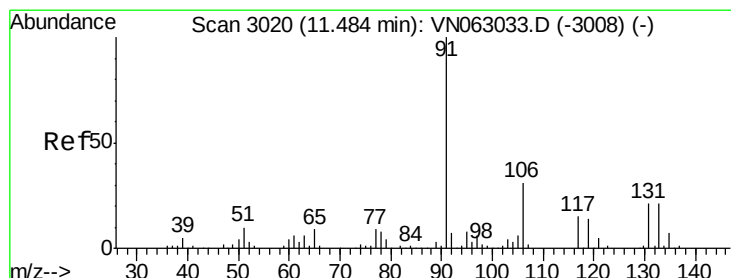
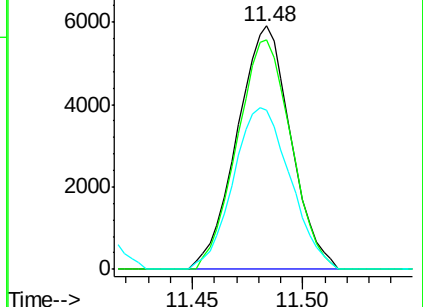
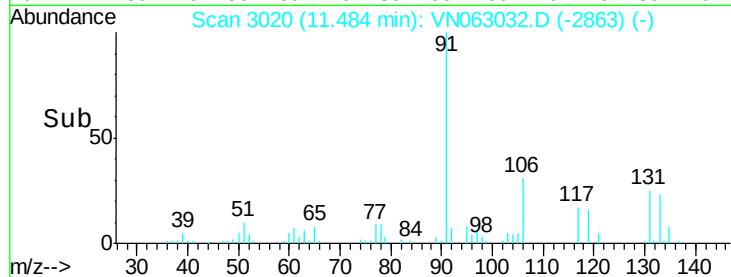
119 70.7 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 4.533 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN063032.D

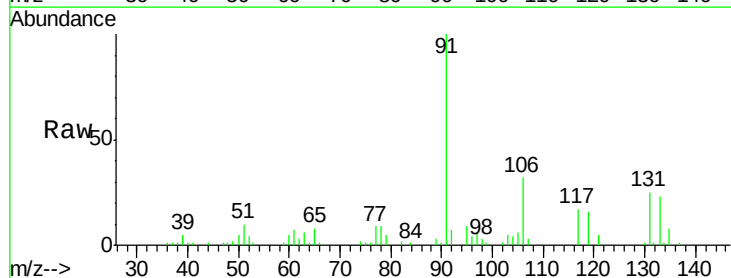
Acq: 20 Aug 2020 12:36

Tgt Ion: 91 Resp: 40124

Ion Ratio Lower Upper

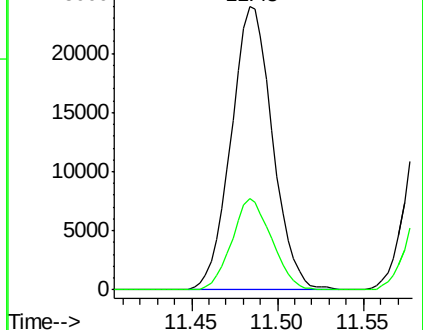
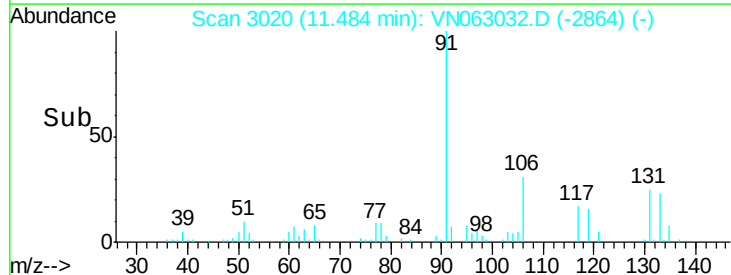
91 100

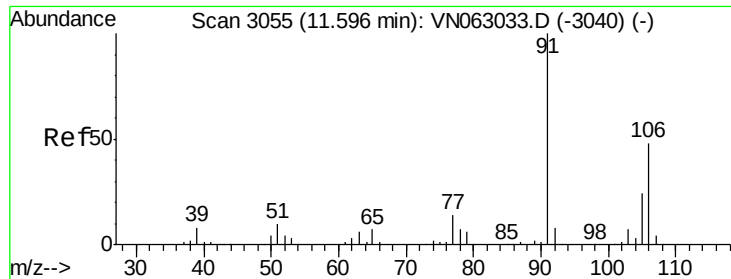
106 32.3 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 8.623 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

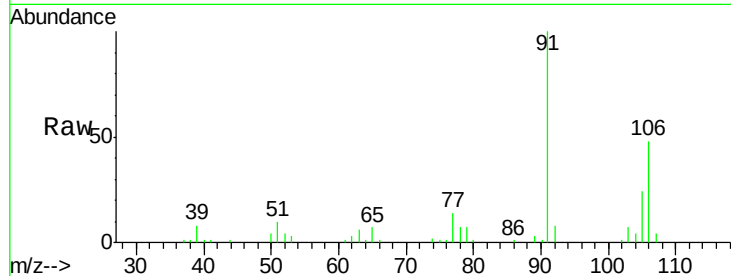
VSTDIC005

Tgt Ion:106 Resp: 28593

Ion Ratio Lower Upper

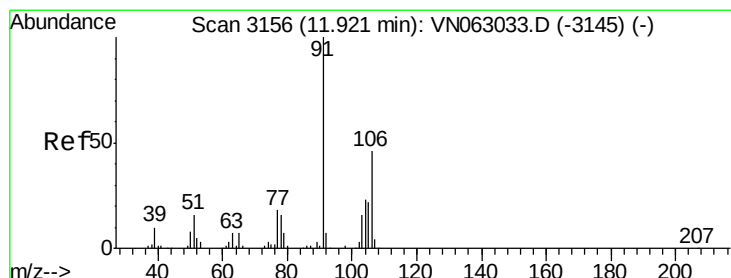
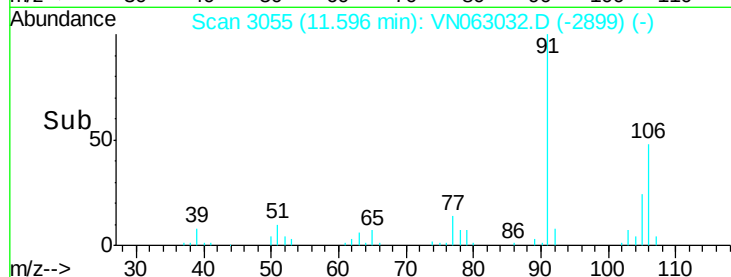
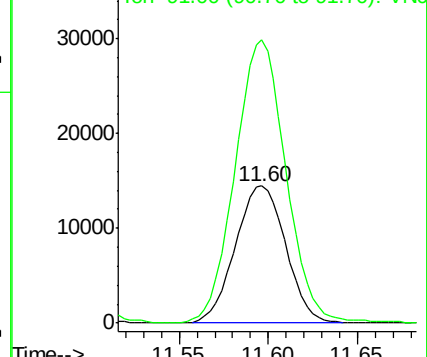
106 100

91 207.8 164.9 247.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 4.429 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN063032.D

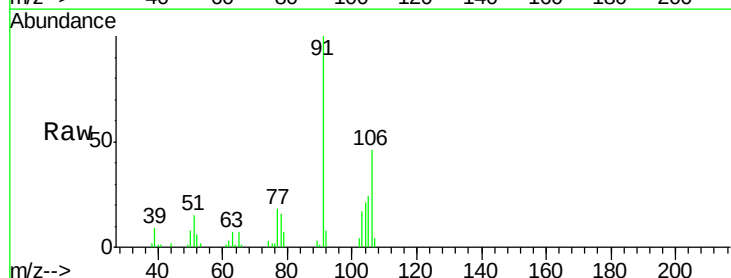
Acq: 20 Aug 2020 12:36

Tgt Ion:106 Resp: 14106

Ion Ratio Lower Upper

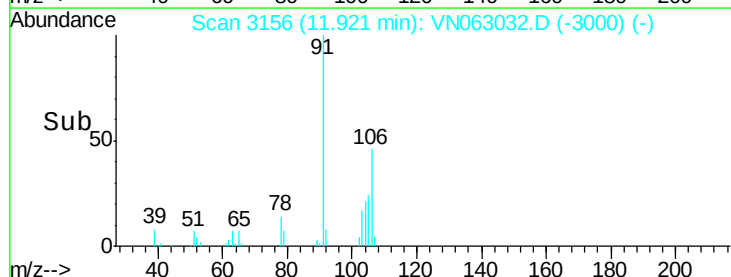
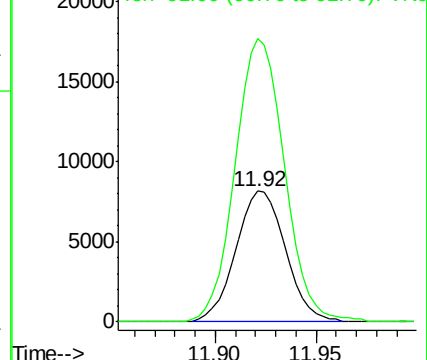
106 100

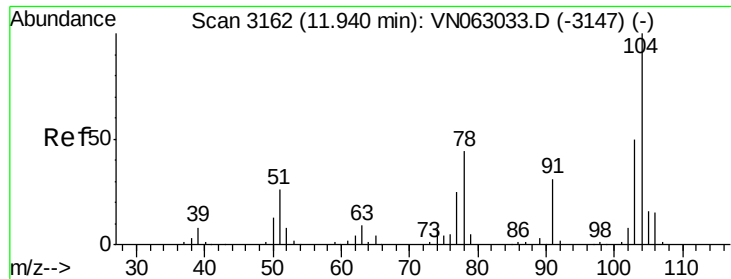
91 214.5 108.0 324.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

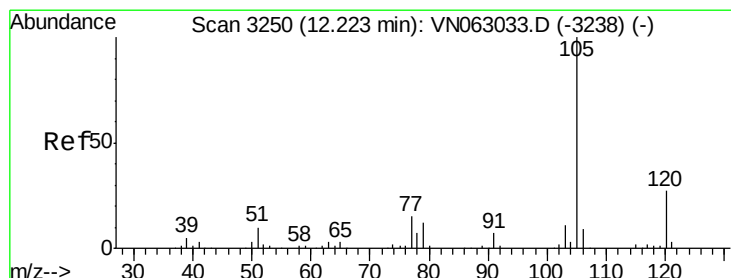
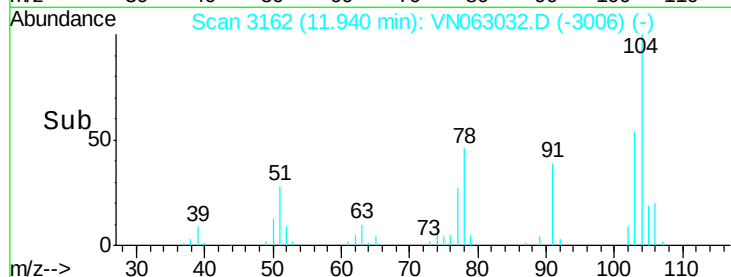
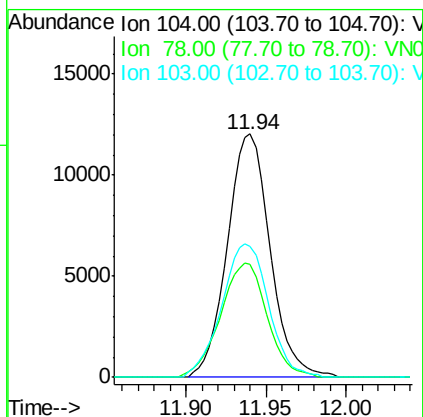
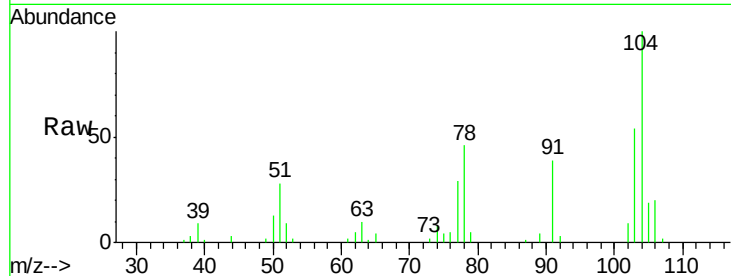




#69
Styrene
Concen: 3.960 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

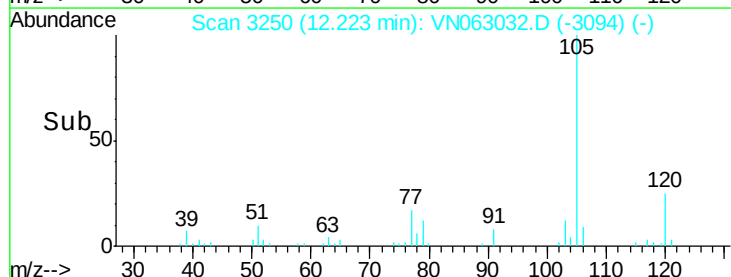
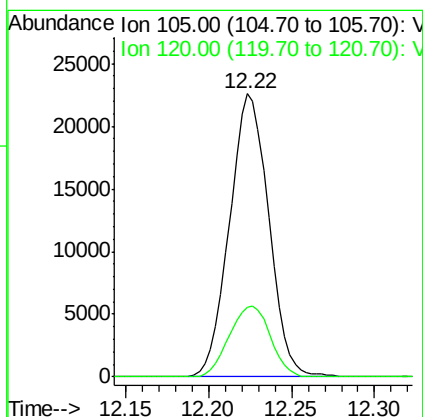
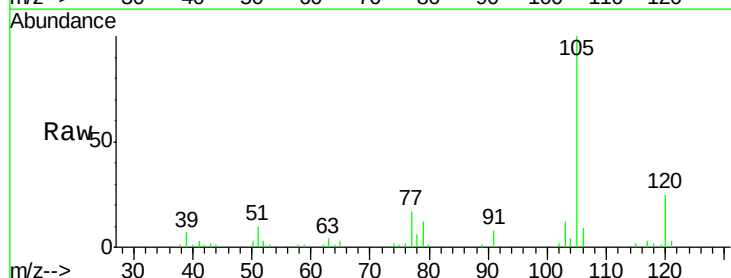
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

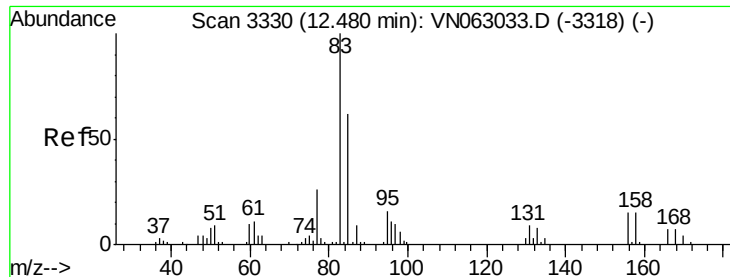
Tgt Ion:104 Resp: 22034
Ion Ratio Lower Upper
104 100
78 51.2 39.6 59.4
103 60.0 44.4 66.6



#70
Isopropylbenzene
Concen: 4.292 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion:105 Resp: 37192
Ion Ratio Lower Upper
105 100
120 26.1 18.5 34.3

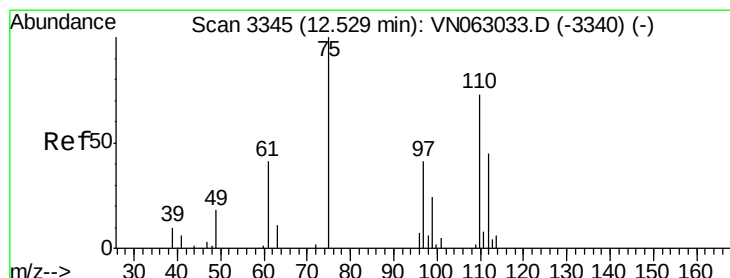
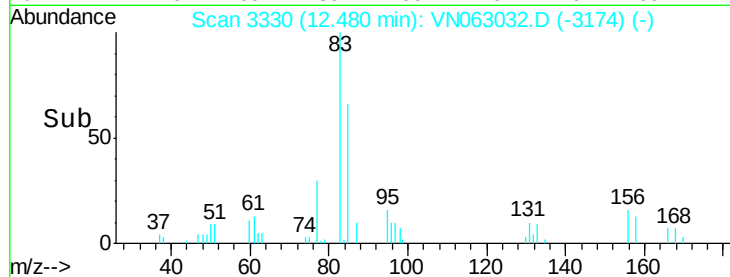
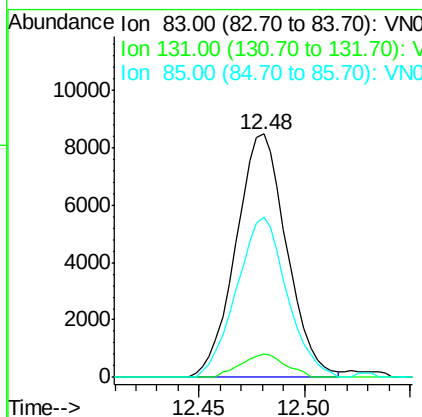
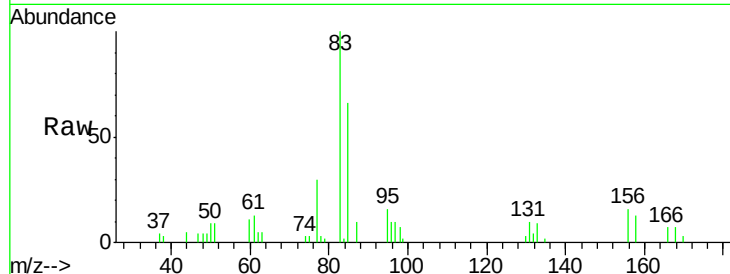




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.098 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

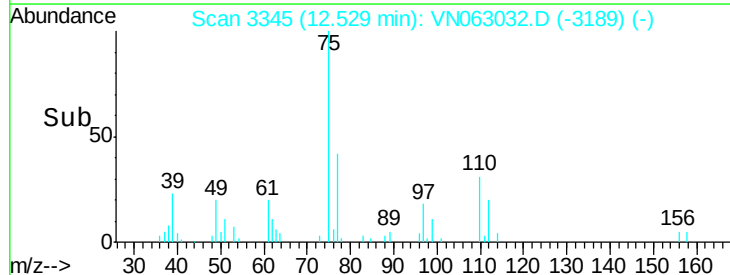
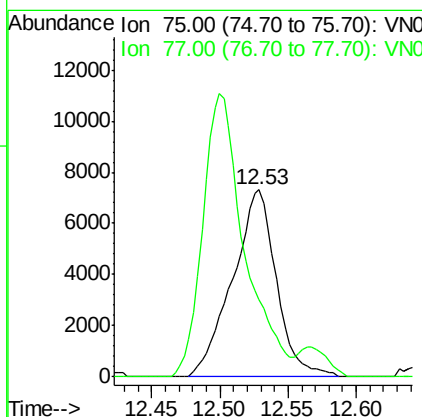
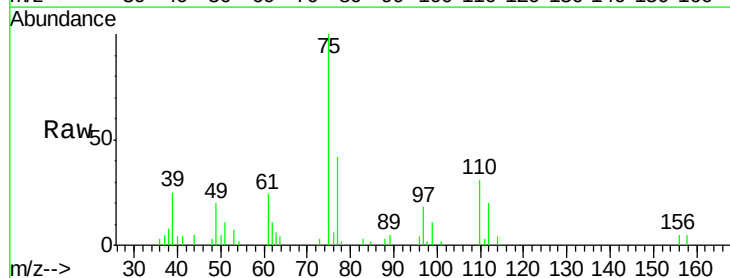
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

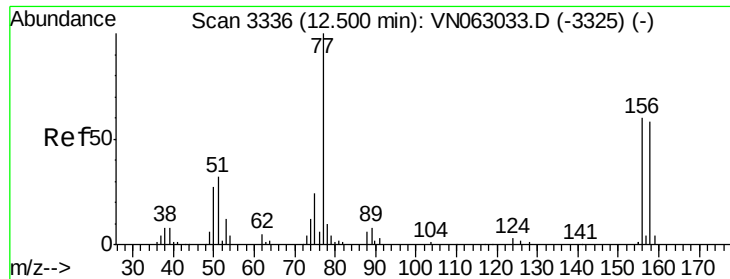
Tgt Ion: 83 Resp: 14166
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.5 13.7
 85 65.3 31.8 95.3



#72
 1,2,3-Trichloropropane
 Concen: 6.816 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion: 75 Resp: 16369
 Ion Ratio Lower Upper
 75 100
 77 142.6 0.0 387.8





#73

Bromobenzene

Concen: 4.855 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

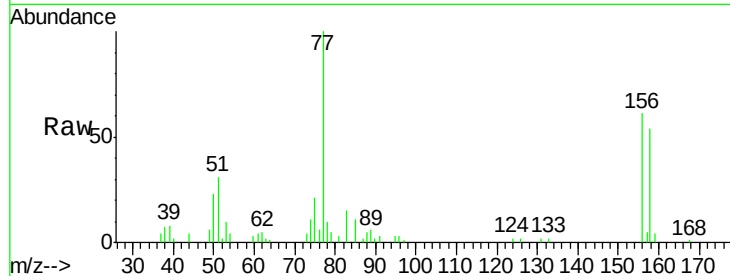
Tgt Ion:156 Resp: 11345

Ion Ratio Lower Upper

156 100

77 205.8 0.0 398.6

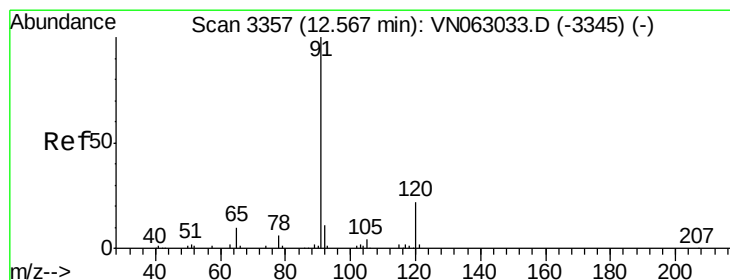
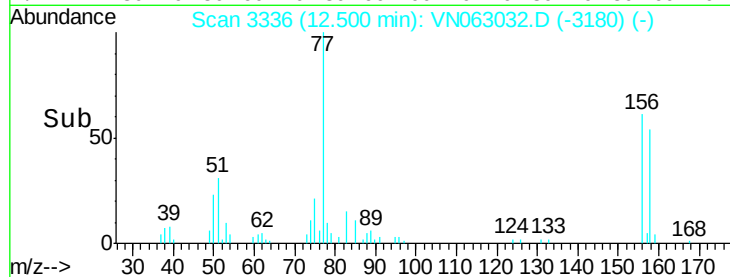
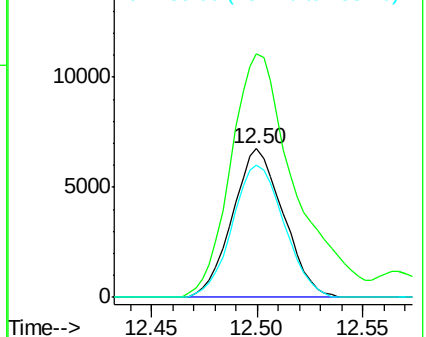
158 90.7 0.0 195.4



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: 4.300 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063032.D

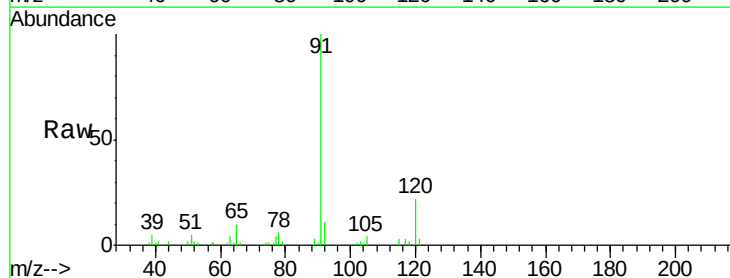
Acq: 20 Aug 2020 12:36

Tgt Ion: 91 Resp: 44689

Ion Ratio Lower Upper

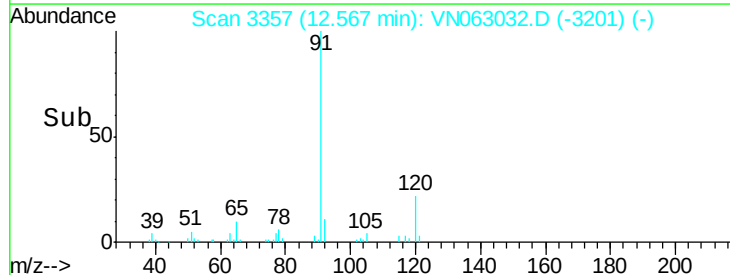
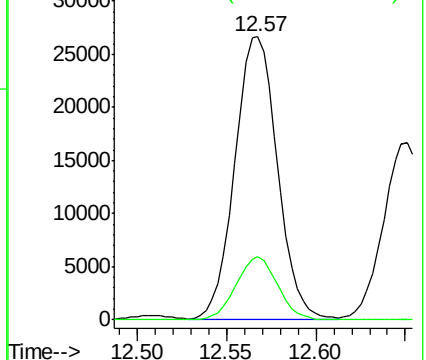
91 100

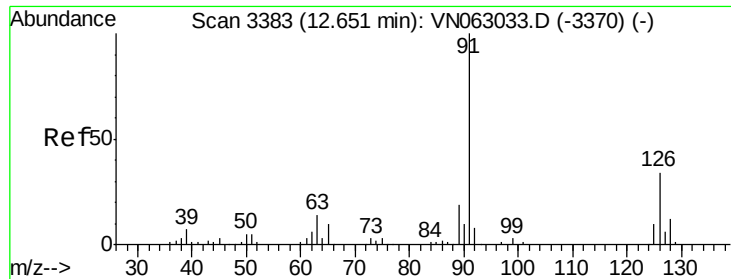
120 21.4 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.615 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

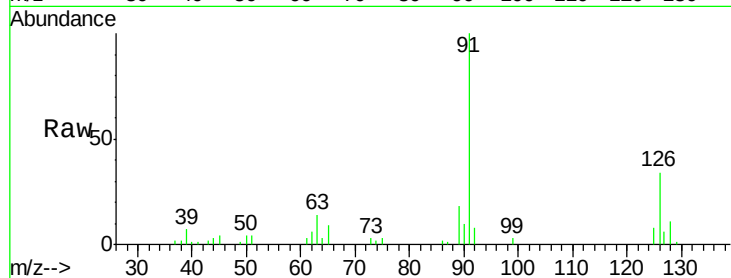
VSTDIC005

Tgt Ion: 91 Resp: 28587

Ion Ratio Lower Upper

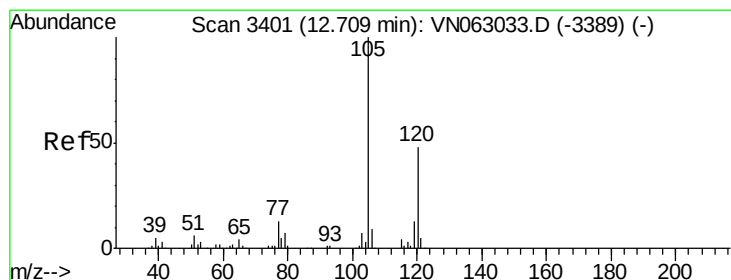
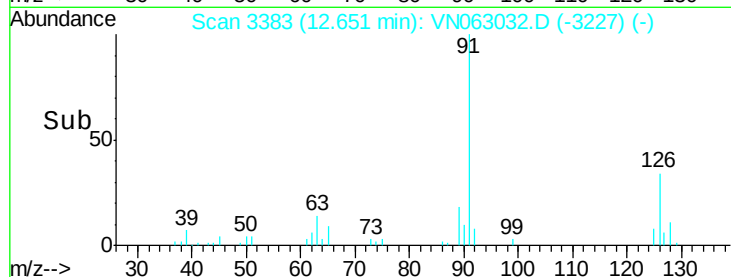
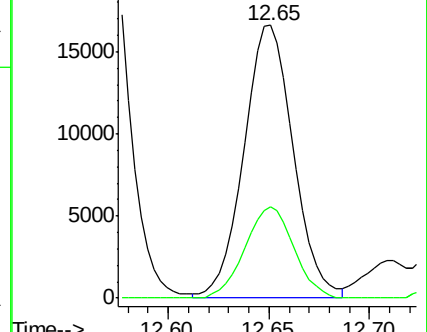
91 100

126 32.9 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: 4.106 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN063032.D

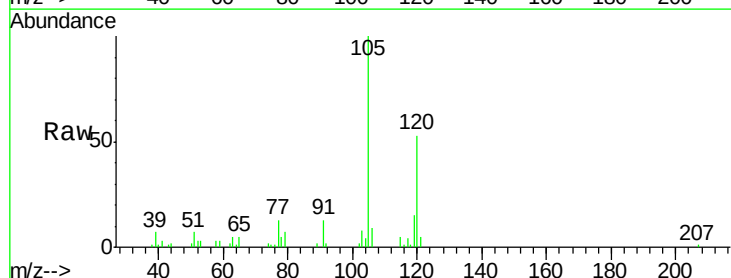
Acq: 20 Aug 2020 12:36

Tgt Ion: 105 Resp: 30363

Ion Ratio Lower Upper

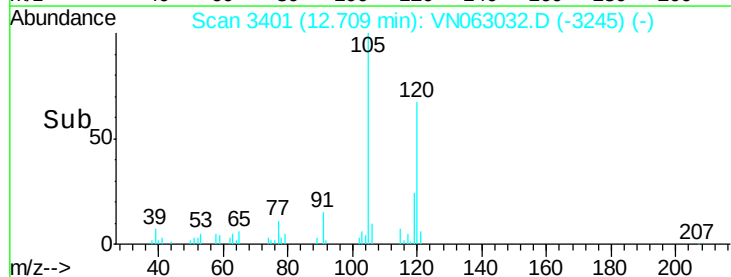
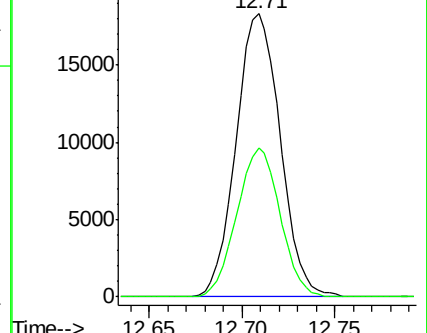
105 100

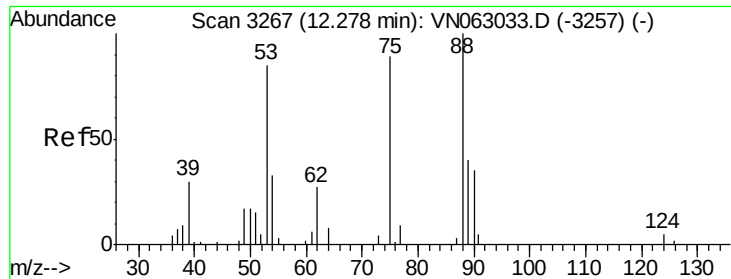
120 51.4 0.0 95.0



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: 4.073 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

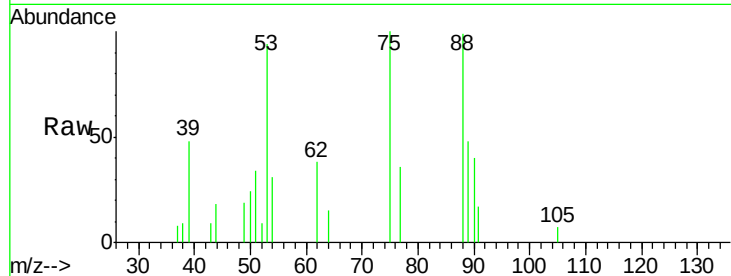
Tgt Ion: 75 Resp: 3549

Ion Ratio Lower Upper

75 100

53 93.7 47.0 141.0

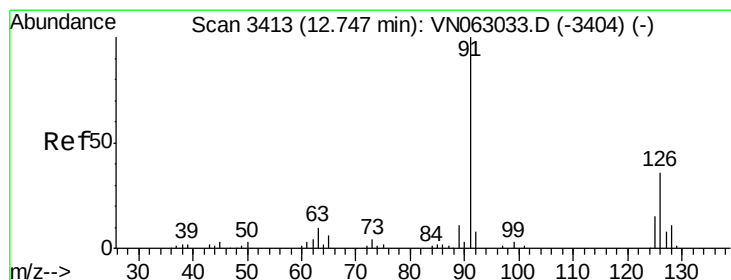
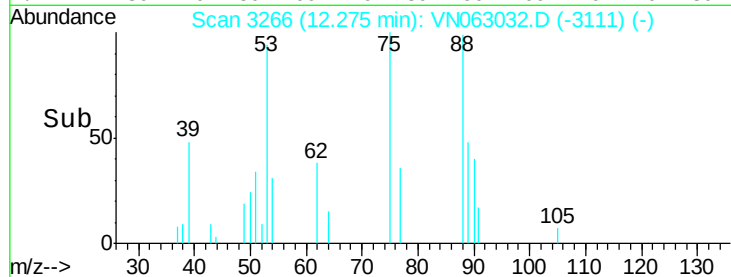
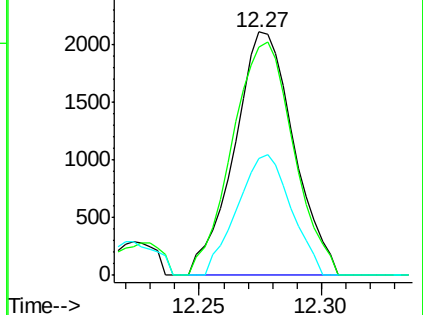
89 48.2 22.9 68.7



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: 4.403 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN063032.D

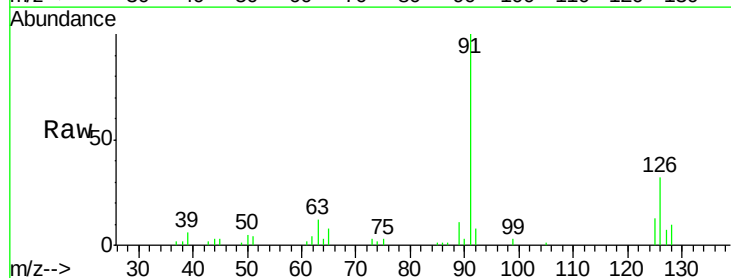
Acq: 20 Aug 2020 12:36

Tgt Ion: 91 Resp: 28123

Ion Ratio Lower Upper

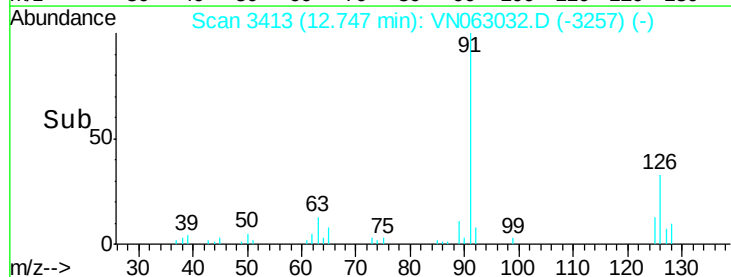
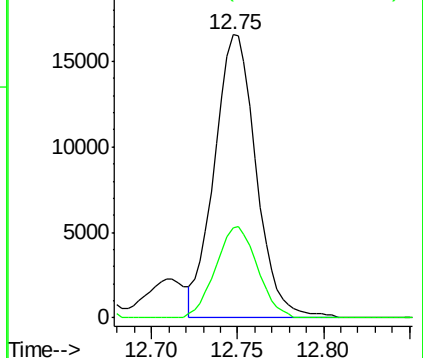
91 100

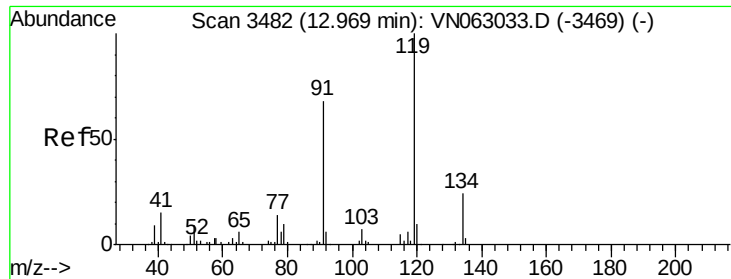
126 32.0 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

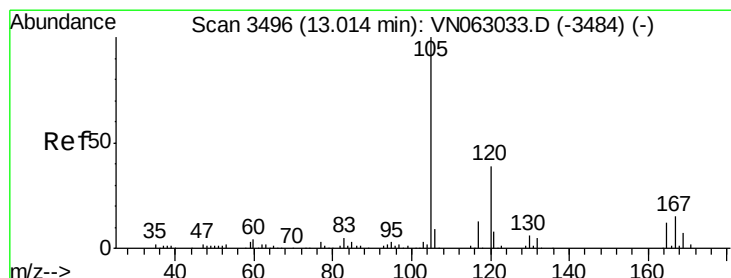
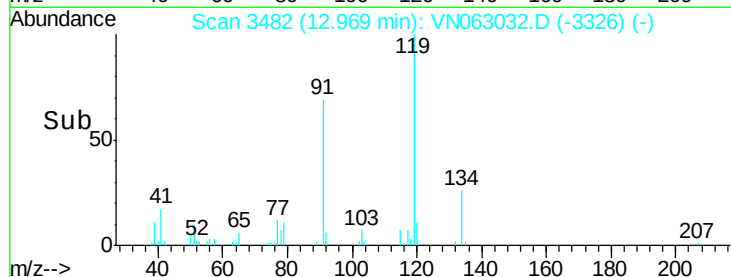
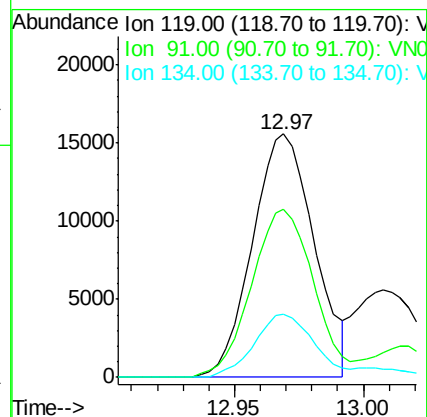
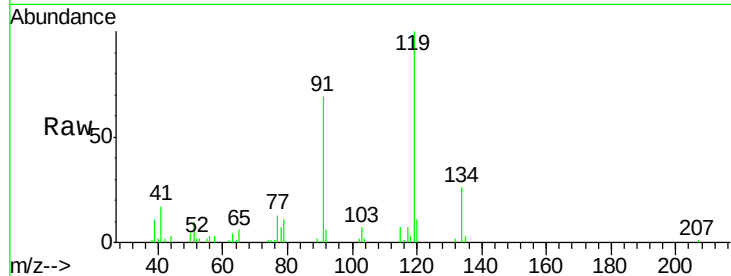




#79
tert-butylbenzene
Concen: 4.179 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

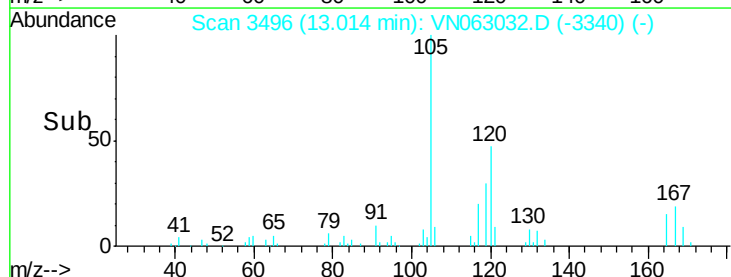
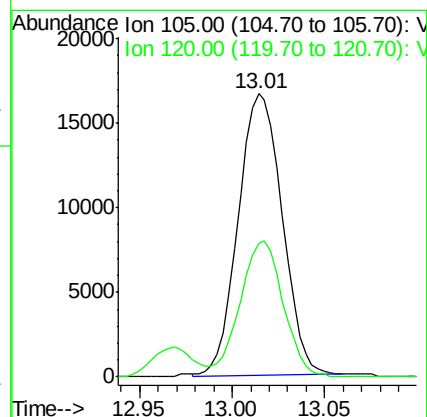
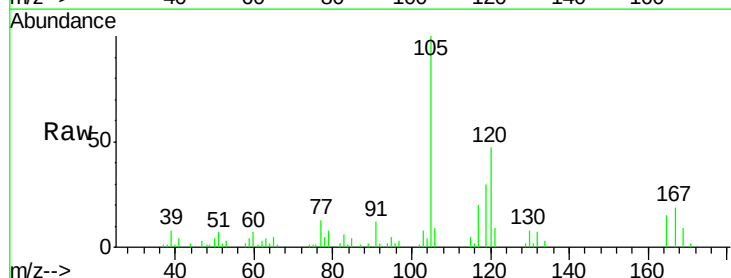
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

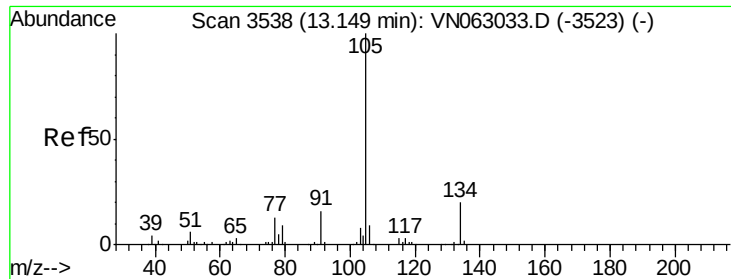
Tgt Ion:119 Resp: 26002
Ion Ratio Lower Upper
119 100
91 69.4 0.0 136.8
134 25.0 0.0 48.8



#80
1,2,4-Trimethylbenzene
Concen: 3.816 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN063032.D
Acq: 20 Aug 2020 12:36

Tgt Ion:105 Resp: 27466
Ion Ratio Lower Upper
105 100
120 47.0 0.0 90.4

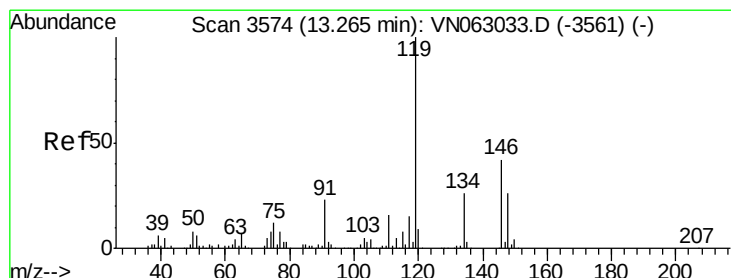
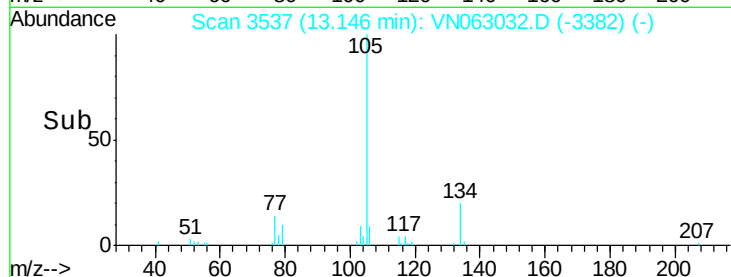
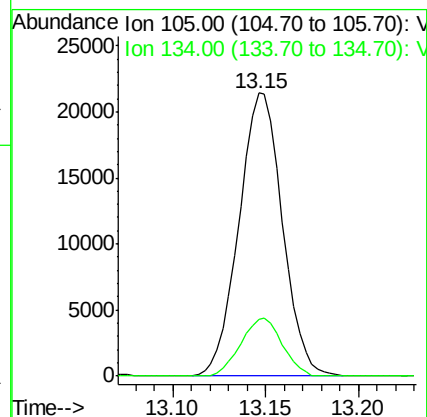
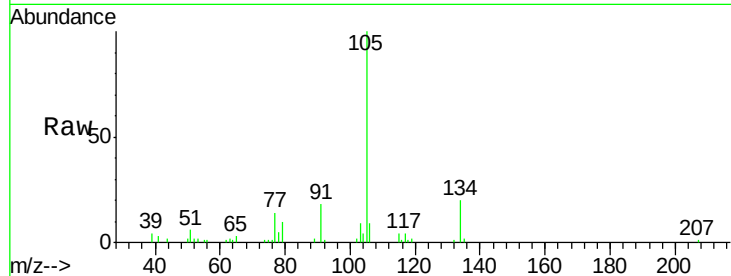




#81
 sec-Butylbenzene
 Concen: 4.085 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

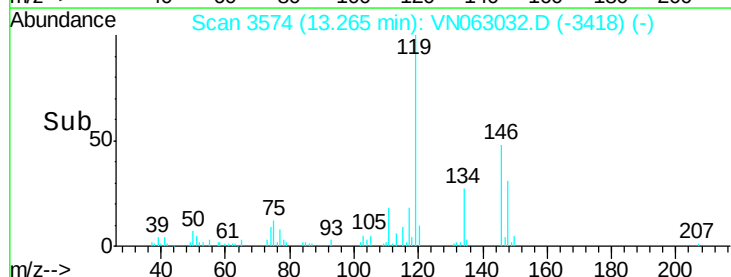
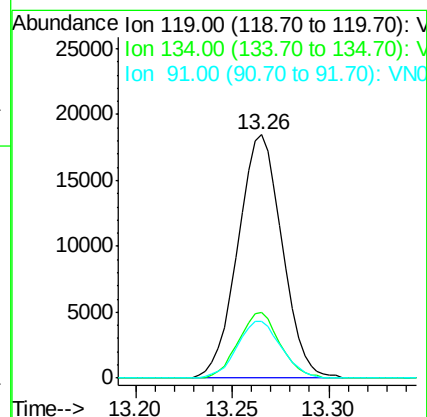
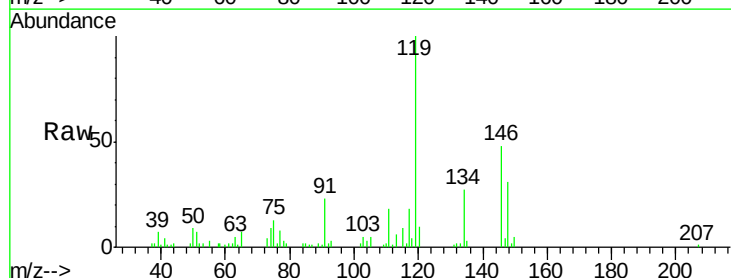
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

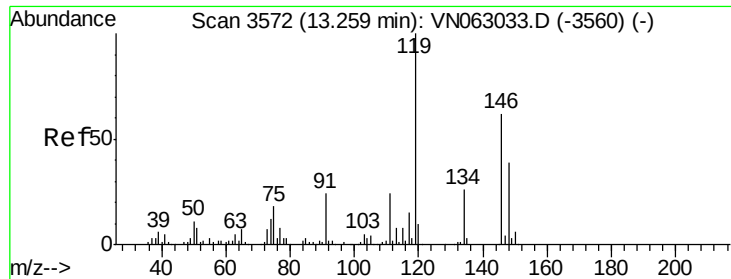
Tgt Ion:105 Resp: 35014
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 3.862 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion:119 Resp: 29345
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 52.2
 91 23.3 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 4.344 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

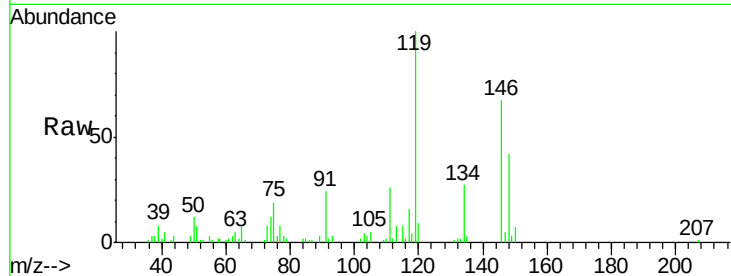
Tgt Ion:146 Resp: 17724

Ion Ratio Lower Upper

146 100

111 38.3 19.4 58.1

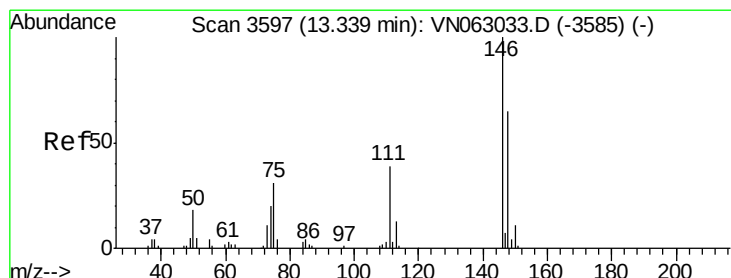
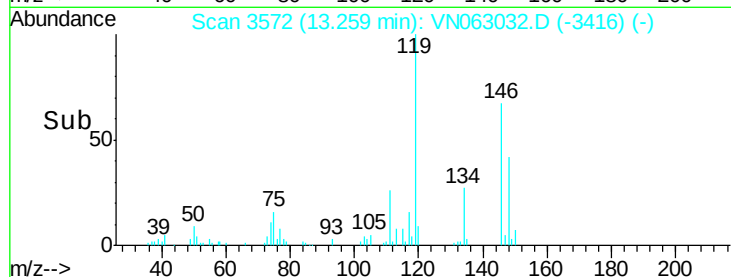
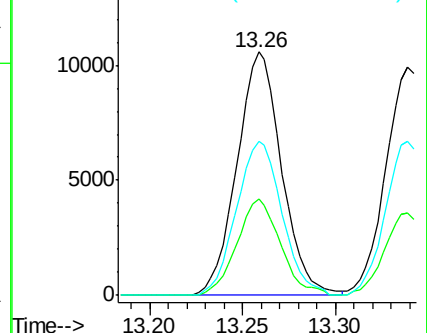
148 64.3 31.5 94.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 4.278 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

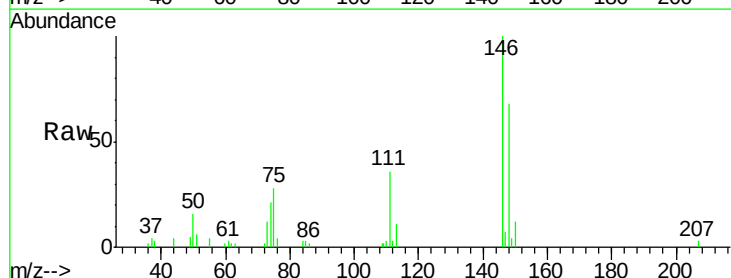
Tgt Ion:146 Resp: 17059

Ion Ratio Lower Upper

146 100

111 35.7 18.6 55.8

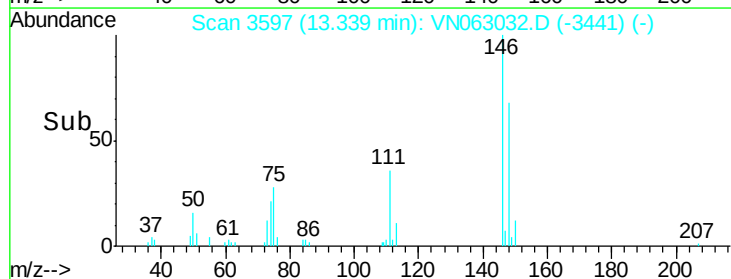
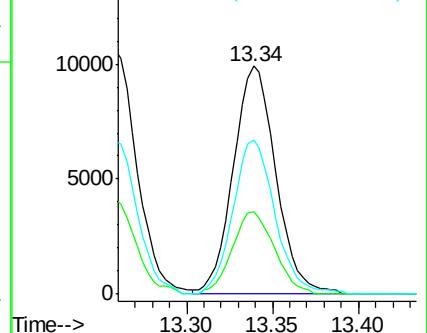
148 66.9 31.6 94.8

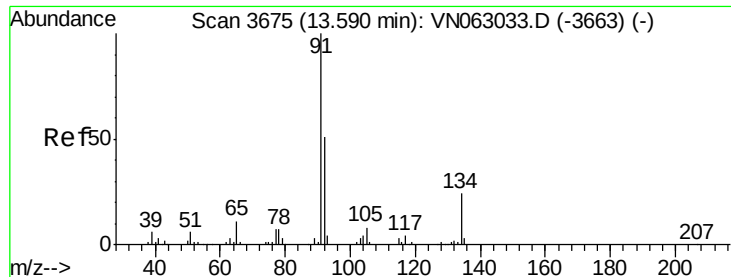


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 3.730 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

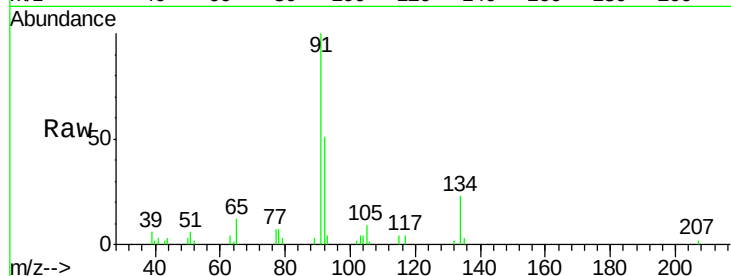
Tgt Ion: 91 Resp: 23549

Ion Ratio Lower Upper

91 100

92 48.2 0.0 100.6

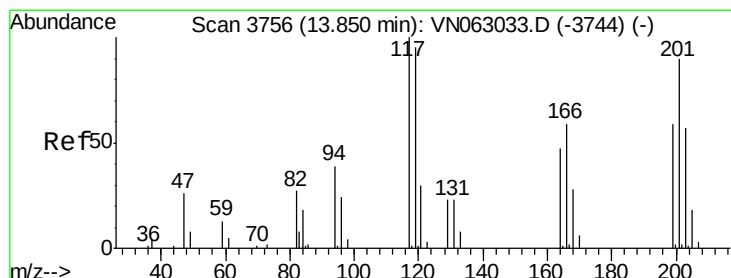
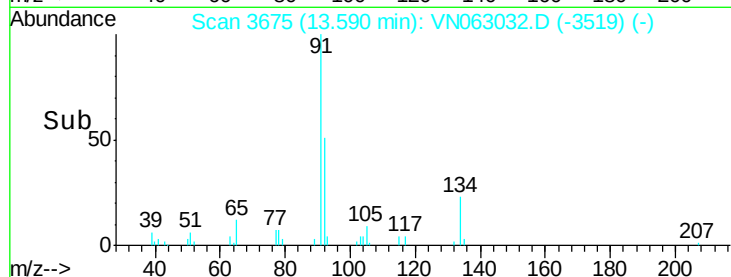
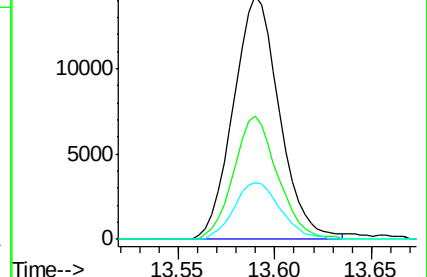
134 23.4 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN063033.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN063033.D (-3663) (-)



#86

Hexachloroethane

Concen: 4.574 ug/l

RT: 13.85 min Scan# 3755

Delta R.T. -0.00 min

Lab File: VN063032.D

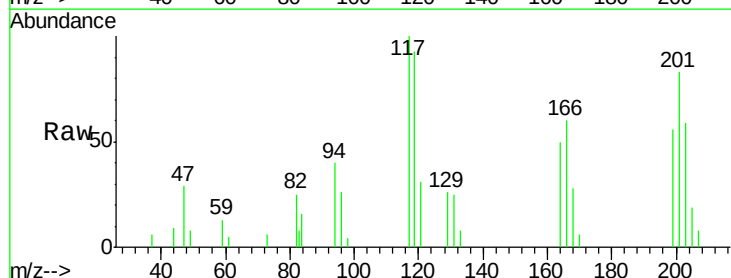
Acq: 20 Aug 2020 12:36

Tgt Ion: 117 Resp: 6844

Ion Ratio Lower Upper

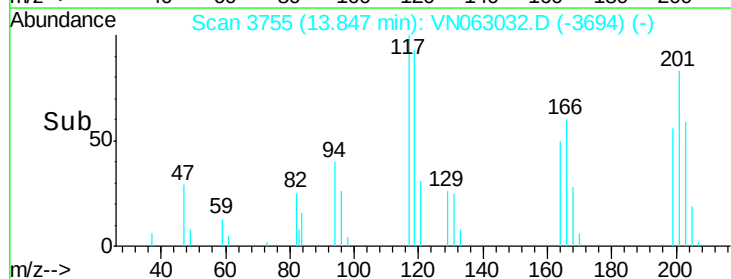
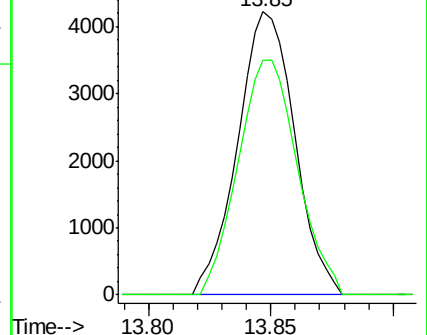
117 100

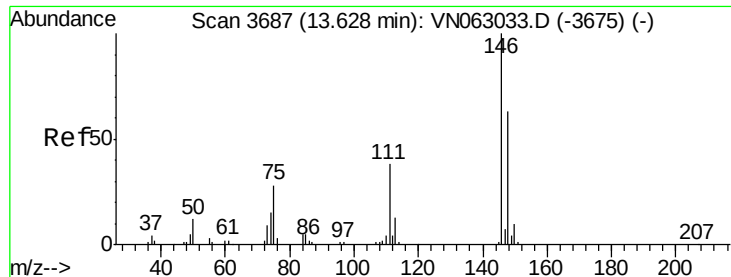
201 86.1 46.1 138.3



Abundance Ion 117.00 (116.70 to 117.70): VN063033.D (-3744) (-)

Ion 201.00 (200.70 to 201.70): VN063033.D (-3744) (-)





#87

1,2-Dichlorobenzene

Concen: 4.307 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

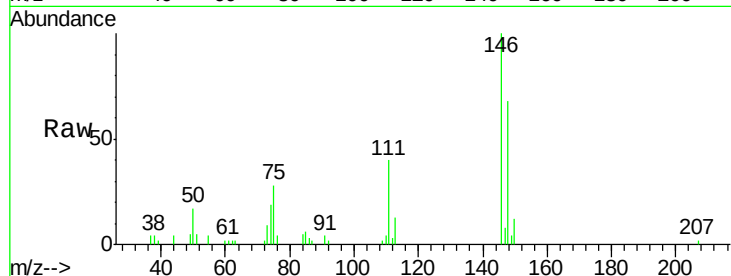
Tgt Ion:146 Resp: 16828

Ion Ratio Lower Upper

146 100

111 39.6 19.1 57.3

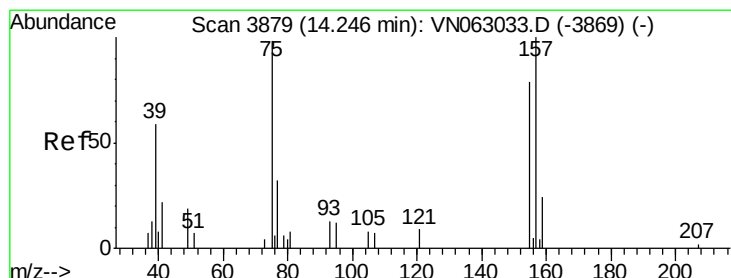
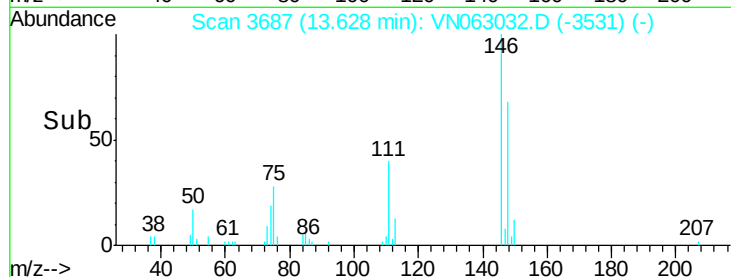
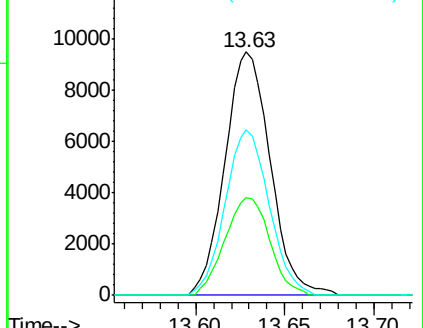
148 65.8 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.390 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

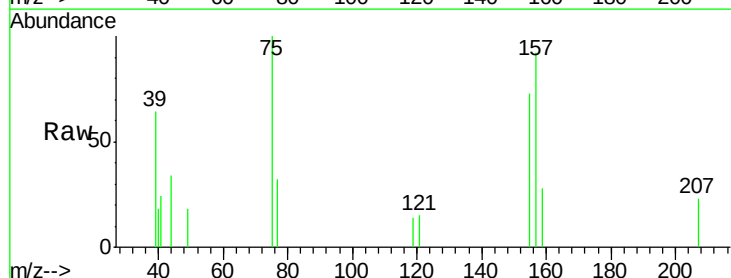
Tgt Ion: 75 Resp: 1935

Ion Ratio Lower Upper

75 100

155 73.1 64.8 97.2

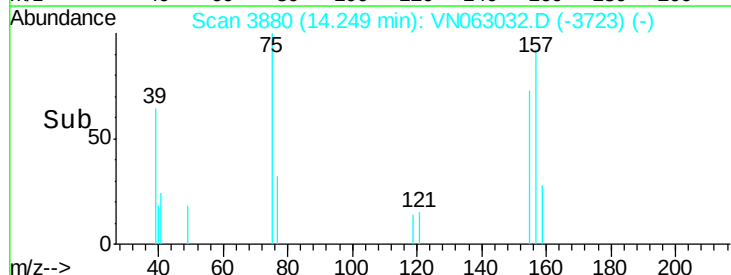
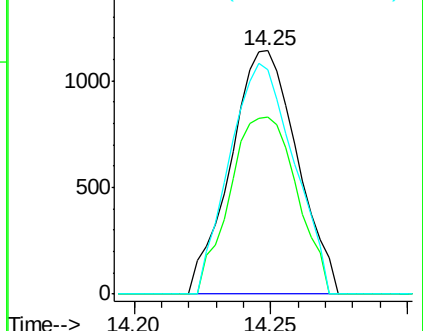
157 91.4 81.2 121.8

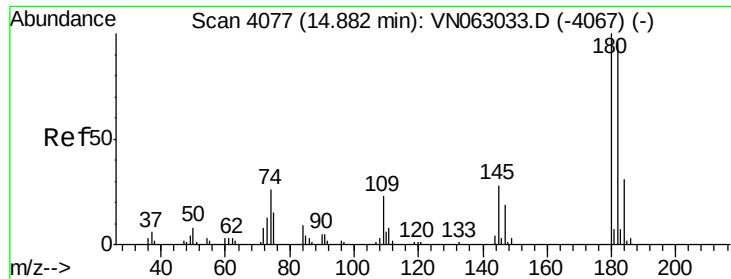


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

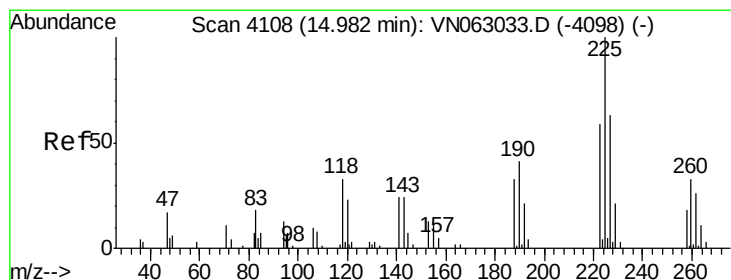
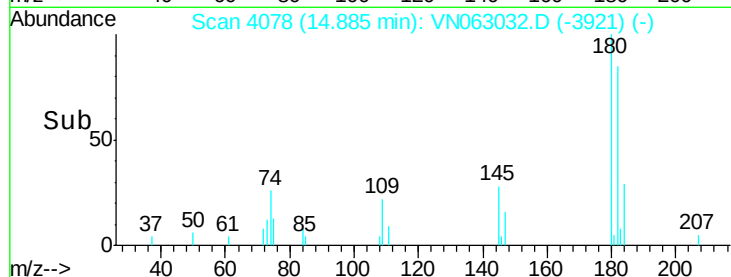
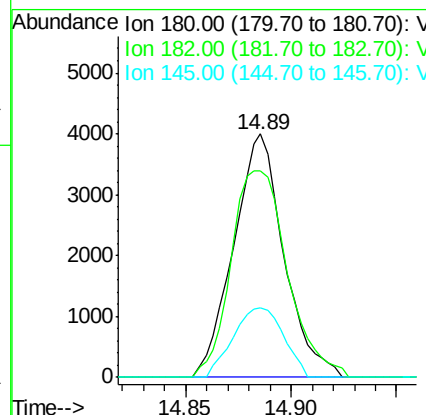
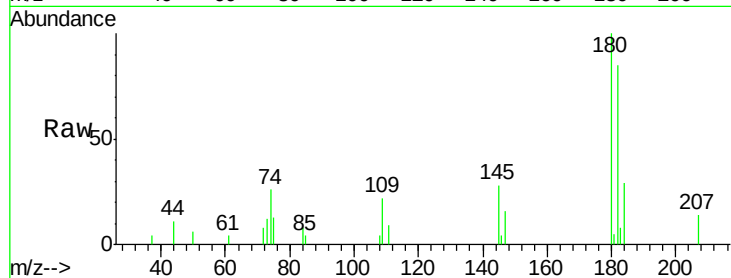




#89
 1,2,4-Trichlorobenzene
 Concen: 3.432 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

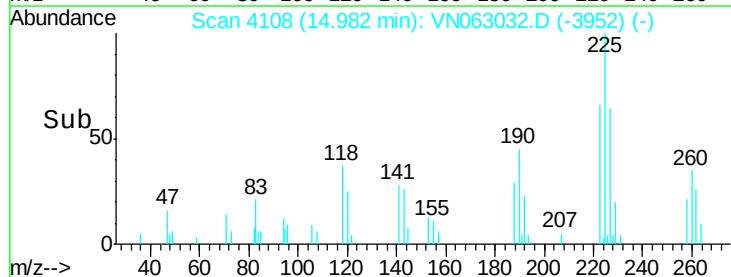
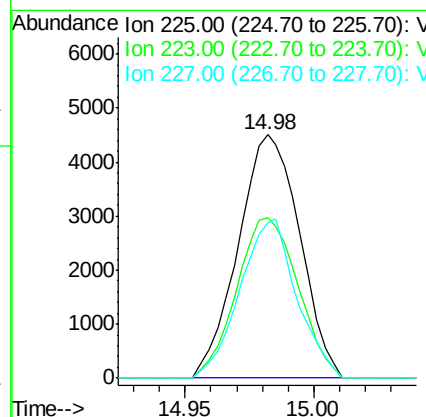
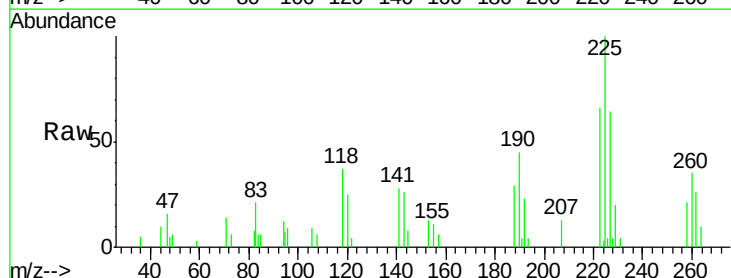
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

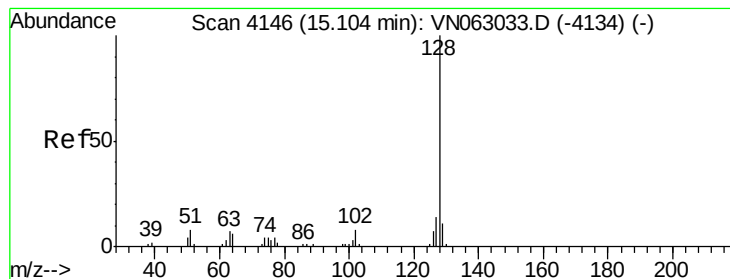
Tgt Ion:180 Resp: 6617
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.9 115.3
 145 28.6 21.9 32.9



#90
 Hexachlorobutadiene
 Concen: 5.235 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN063032.D
 Acq: 20 Aug 2020 12:36

Tgt Ion:225 Resp: 7471
 Ion Ratio Lower Upper
 225 100
 223 65.7 0.0 122.8
 227 60.2 0.0 125.6





#91

Naphthalene

Concen: 3.732 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

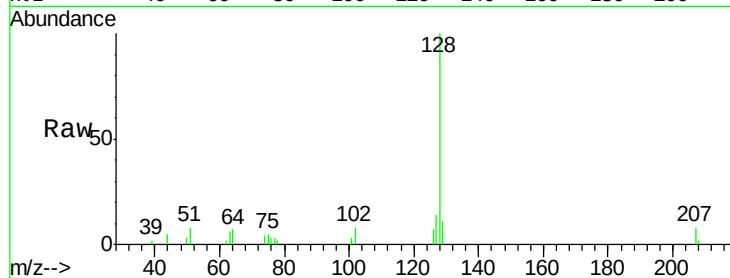
Tgt Ion:128 Resp: 15900

Ion Ratio Lower Upper

128 100

127 12.1 11.1 16.7

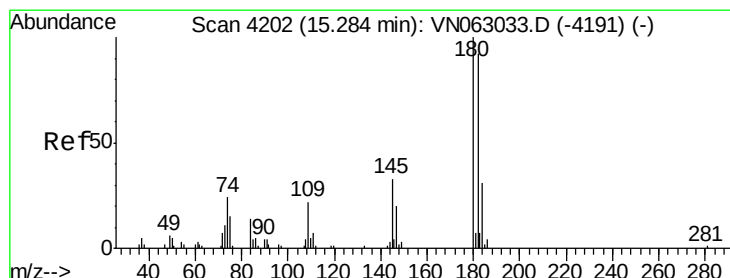
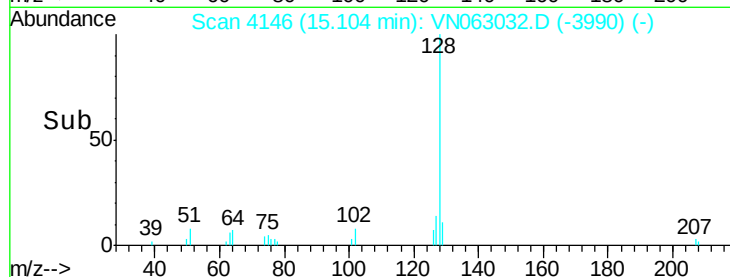
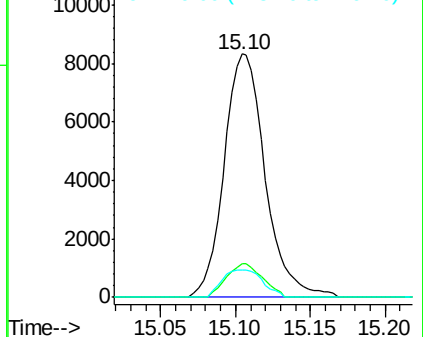
129 11.2 8.4 12.6



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: 3.790 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN063032.D

Acq: 20 Aug 2020 12:36

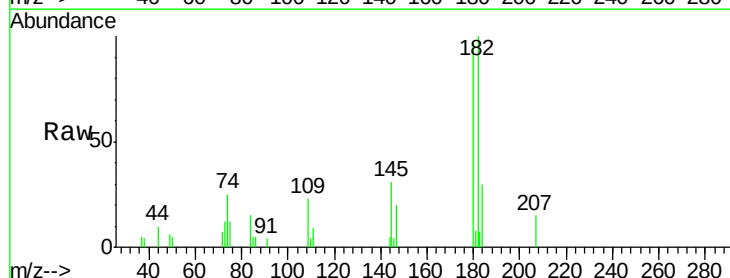
Tgt Ion:180 Resp: 7296

Ion Ratio Lower Upper

180 100

182 97.6 0.0 188.0

145 31.3 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

