

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN093020\
 Data File : VN063739.D
 Acq On : 30 Sep 2020 10:25
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 30 11:38:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	271057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186737	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	21629	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	
35) Dibromofluoromethane	7.54	113	15038	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	10.06	98	56020	4.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.38	95	20177	4.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.50%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	15514	5.160 ug/l	100
3) Chloromethane	2.04	50	17126	4.368 ug/l #	87
4) Vinyl Chloride	2.16	62	17866	5.092 ug/l	97
5) Bromomethane	2.52	94	12378	5.868 ug/l	87
6) Chloroethane	2.67	64	10889	5.001 ug/l	95
7) Trichlorofluoromethane	2.98	101	26685	5.022 ug/l	97
8) Diethyl Ether	3.37	74	9383	4.623 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14660	4.943 ug/l #	78
10) Methyl Iodide	3.91	142	13875	3.649 ug/l	97
11) Tert butyl alcohol	4.73	59	11522	18.877 ug/l #	84
12) 1,1-Dichloroethene	3.69	96	14222	4.785 ug/l	85
13) Acrolein	3.56	56	6881	27.590 ug/l #	75
14) Allyl chloride	4.27	41	24903	4.269 ug/l	97
15) Acrylonitrile	4.93	53	33993	21.466 ug/l #	87
16) Acetone	3.77	43	33693	22.977 ug/l	98
17) Carbon Disulfide	4.01	76	39634	4.617 ug/l #	95
18) Methyl Acetate	4.28	43	16081	4.345 ug/l #	66
19) Methyl tert-butyl Ether	4.98	73	47837	4.295 ug/l #	89
20) Methylene Chloride	4.50	84	16667	4.533 ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	15706	4.756 ug/l	91
22) Diisopropyl ether	5.90	45	50031	4.160 ug/l	89
23) Vinyl Acetate	5.84	43	202529	20.560 ug/l	99
24) 1,1-Dichloroethane	5.80	63	30504	4.644 ug/l #	91
25) 2-Butanone	6.78	43	45598	20.474 ug/l	98
26) 2,2-Dichloropropane	6.77	77	27370	4.693 ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	17772	4.753 ug/l	95
28) Bromochloromethane	7.14	49	7781	2.512 ug/l #	24
29) Tetrahydrofuran	7.16	42	29922	19.684 ug/l	98
30) Chloroform	7.33	83	31562	4.757 ug/l	94
31) Cyclohexane	7.61	56	31246	5.107 ug/l #	83
32) 1,1,1-Trichloroethane	7.53	97	27676	4.659 ug/l	99
36) 1,1-Dichloropropene	7.75	75	22879	4.915 ug/l	97
37) Ethyl Acetate	6.88	43	21061	4.629 ug/l #	95
38) Carbon Tetrachloride	7.73	117	24342	5.072 ug/l	98

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 Data File : VN063739.D
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Quant Time: Sep 30 11:38:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	22424	4.477	ug/l	92
40) Benzene	8.00	78	65809	4.952	ug/l	98
41) Methacrylonitrile	7.16	41	29737	14.270	ug/l #	26
42) 1,2-Dichloroethane	8.08	62	27577	5.112	ug/l	100
43) Isopropyl Acetate	8.12	43	33700	4.132	ug/l	98
44) Trichloroethene	8.80	130	16555	5.075	ug/l	99
45) 1,2-Dichloropropane	9.08	63	16730	4.629	ug/l	97
46) Dibromomethane	9.17	93	11464	4.800	ug/l	98
47) Bromodichloromethane	9.37	83	24210	4.855	ug/l	98
48) Methyl methacrylate	9.16	41	15572	3.901	ug/l	96
49) 1,4-Dioxane	9.16	88	4741	83.133	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	99767	21.677	ug/l	99
52) Toluene	10.12	92	38912	4.849	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	24690	4.461	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	26273	4.515	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	15869	4.952	ug/l	96
56) Ethyl methacrylate	10.40	69	20561	4.154	ug/l	95
57) 1,3-Dichloropropane	10.68	76	26561	4.624	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.66	63	57230	21.842	ug/l	98
59) 2-Hexanone	10.72	43	73204	21.945	ug/l	94
60) Dibromochloromethane	10.87	129	17513	4.832	ug/l	93
61) 1,2-Dibromoethane	10.98	107	15079	4.535	ug/l	90
64) Tetrachloroethene	10.60	164	16155	5.725	ug/l	95
65) Chlorobenzene	11.40	112	43402	5.042	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	15279	4.801	ug/l	95
67) Ethyl Benzene	11.48	91	75319	4.646	ug/l	96
68) m/p-Xylenes	11.59	106	54312	9.267	ug/l	99
69) o-Xylene	11.92	106	25907	4.654	ug/l	95
70) Styrene	11.94	104	39713	4.253	ug/l	98
71) Bromoform	12.10	173	10819	4.550	ug/l #	100
73) Isopropylbenzene	12.22	105	68166	4.630	ug/l	100
74) N-amyl acetate	12.05	43	24661	3.579	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	21684	4.757	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	28986	6.378	ug/l #	100
77) Bromobenzene	12.50	156	17146	5.125	ug/l	97
78) n-propylbenzene	12.57	91	77567	4.533	ug/l	99
79) 2-Chlorotoluene	12.65	91	48461	4.712	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	55006	4.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	6005	3.643	ug/l #	80
82) 4-Chlorotoluene	12.75	91	48687	4.475	ug/l	97
83) tert-Butylbenzene	12.97	119	46472	4.590	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	55194	4.453	ug/l	98
85) sec-Butylbenzene	13.15	105	60250	4.456	ug/l	100
86) p-Isopropyltoluene	13.26	119	51472	4.313	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	29155	4.713	ug/l	95
88) 1,4-Dichlorobenzene	13.34	146	30578	4.886	ug/l	91
89) n-Butylbenzene	13.59	91	45297	4.136	ug/l	98
90) Hexachloroethane	13.85	117	10263	4.498	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	29411	4.868	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4485	4.173	ug/l	95

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Sep 30 11:38:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 30 11:35:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	13166	3.763	ug/l	96
94) Hexachlorobutadiene	14.98	225	9008	5.975	ug/l	99
95) Naphthalene	15.10	128	36841	3.217	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	12384	3.664	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

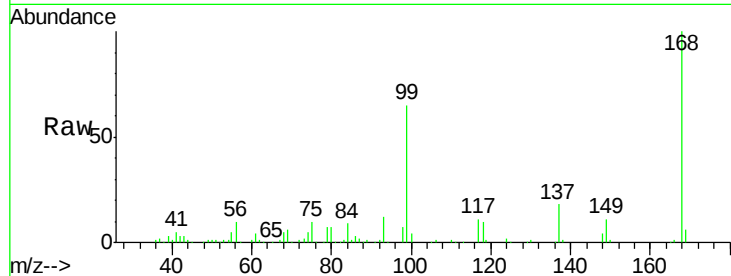
VSTDIC005

Tgt Ion:168 Resp: 271057

Ion Ratio Lower Upper

168 100

99 64.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

120000

100000

80000

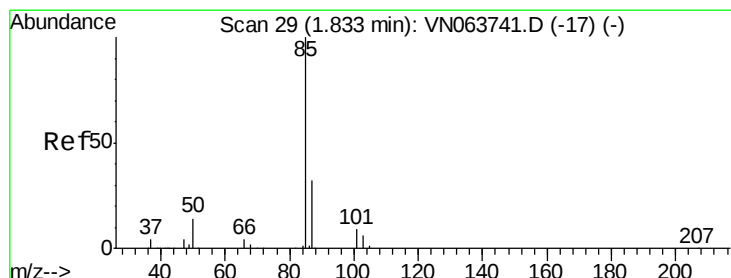
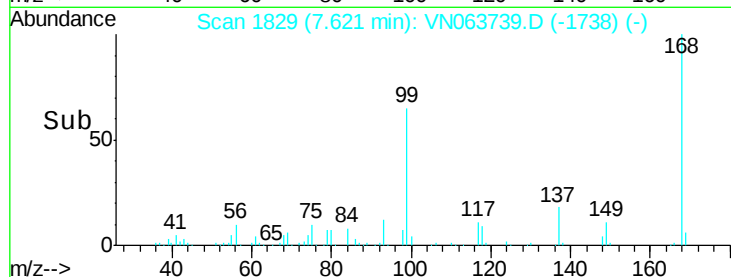
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 5.160 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063739.D

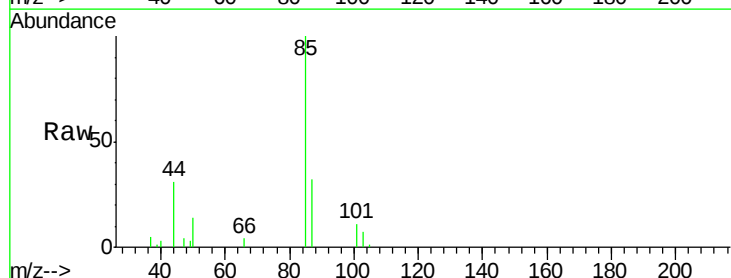
Acq: 30 Sep 2020 10:25

Tgt Ion: 85 Resp: 15514

Ion Ratio Lower Upper

85 100

87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

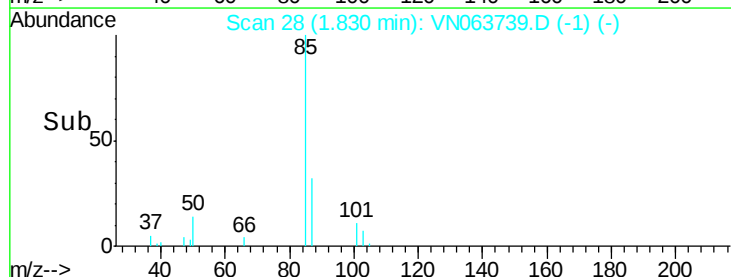
1.83

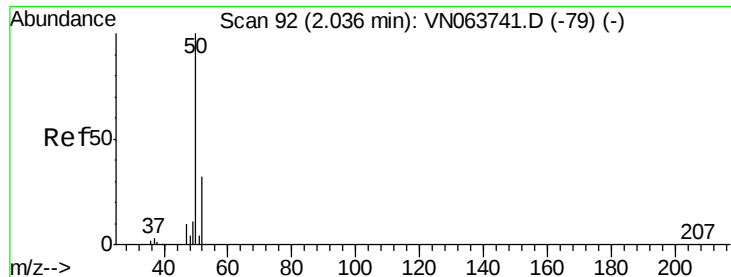
10000

5000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 4.368 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

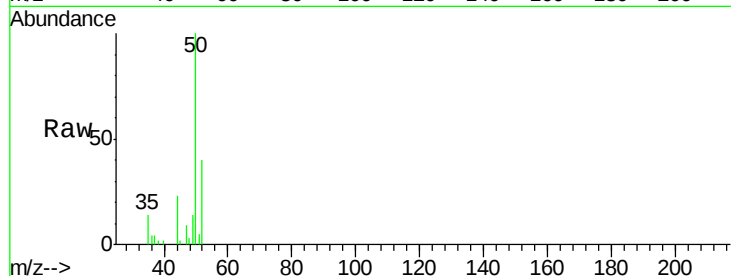
VSTDIC005

Tgt Ion: 50 Resp: 17126

Ion Ratio Lower Upper

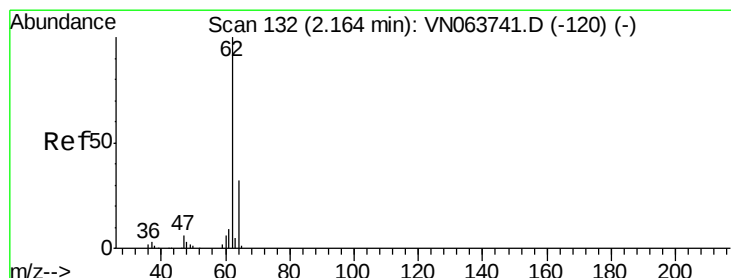
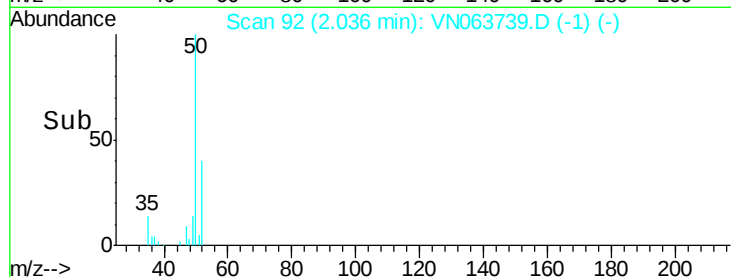
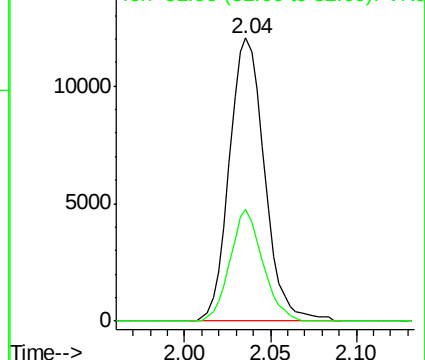
50 100

52 39.6 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.092 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063739.D

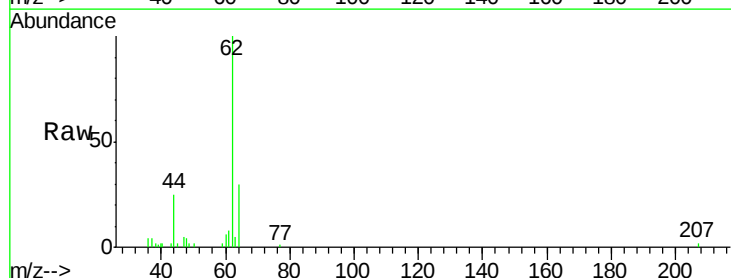
Acq: 30 Sep 2020 10:25

Tgt Ion: 62 Resp: 17866

Ion Ratio Lower Upper

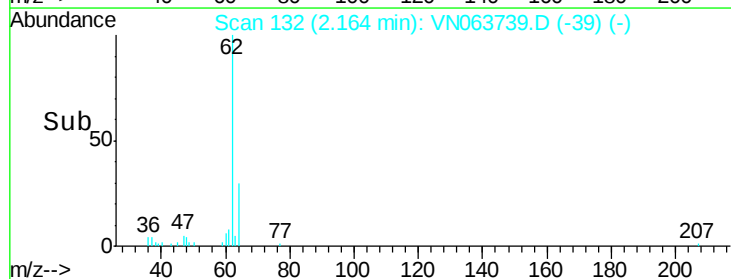
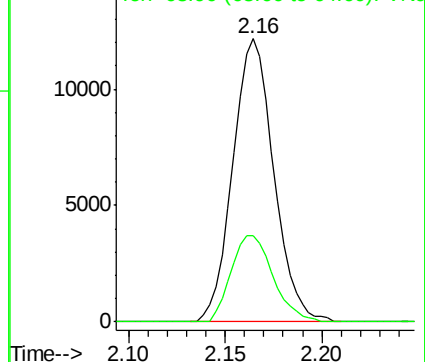
62 100

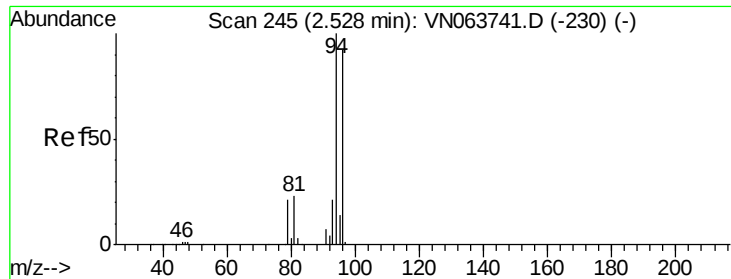
64 30.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.868 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

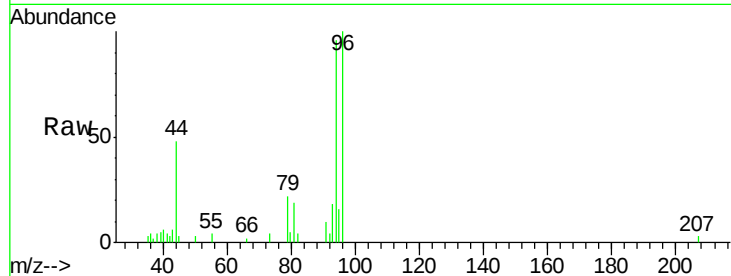
VSTDIC005

Tgt Ion: 94 Resp: 12378

Ion Ratio Lower Upper

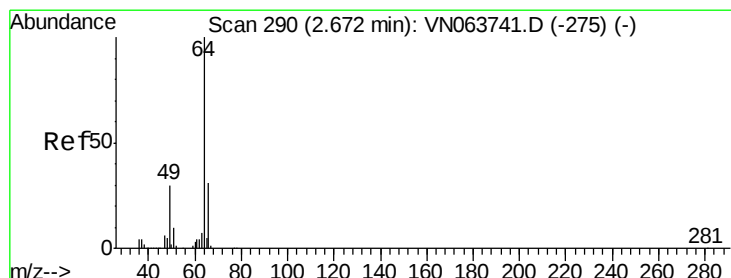
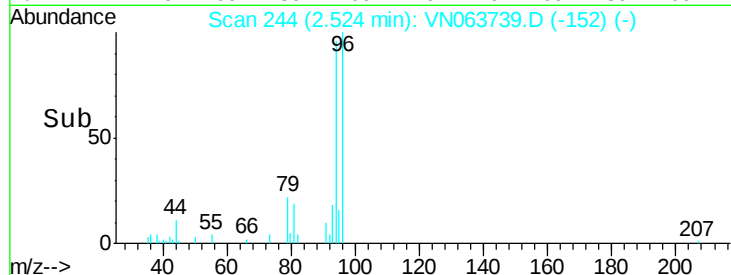
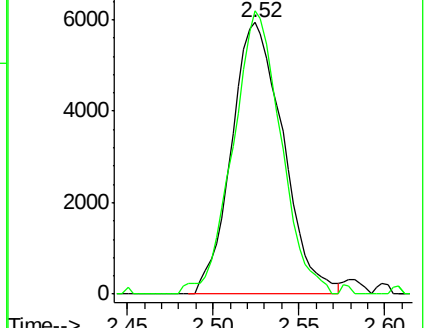
94 100

96 104.3 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN063739.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063739.D (-152) (-)



#6

Chloroethane

Concen: 5.001 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063739.D

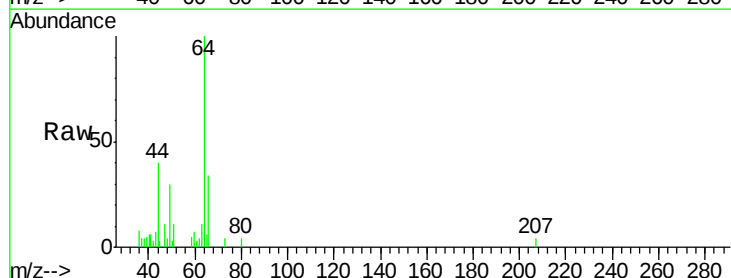
Acq: 30 Sep 2020 10:25

Tgt Ion: 64 Resp: 10889

Ion Ratio Lower Upper

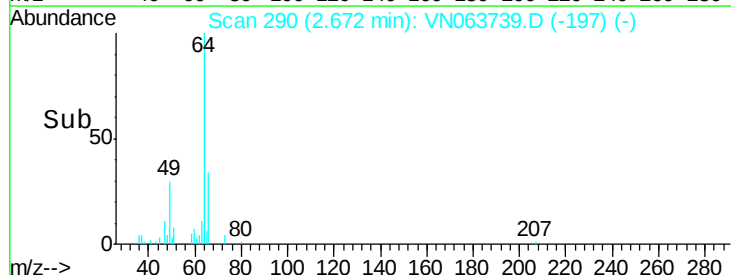
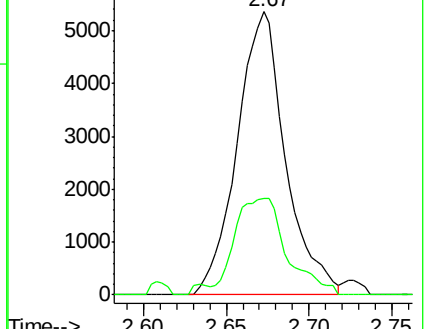
64 100

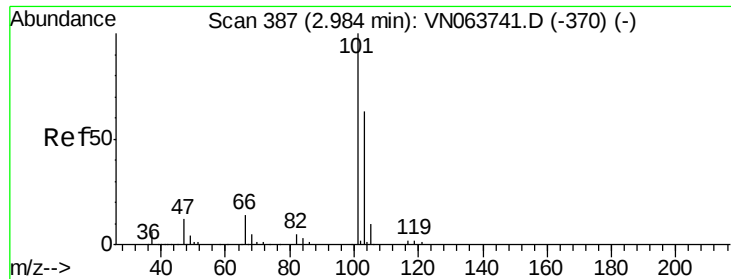
66 34.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN063739.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN063739.D (-197) (-)



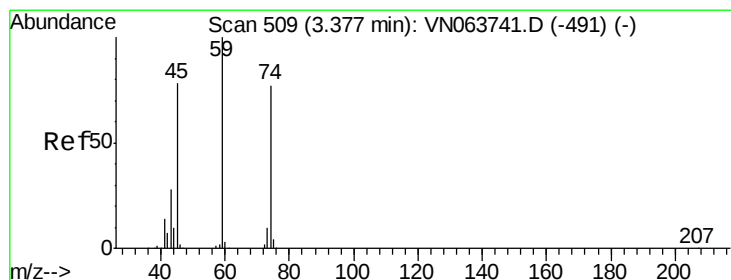
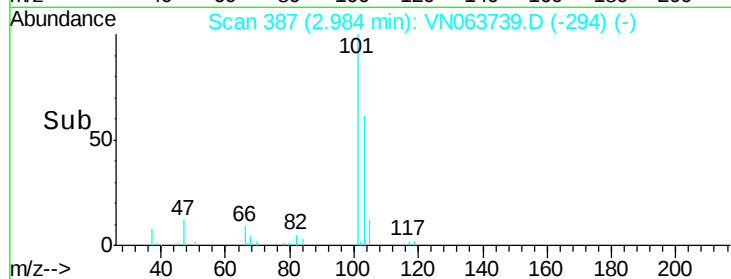
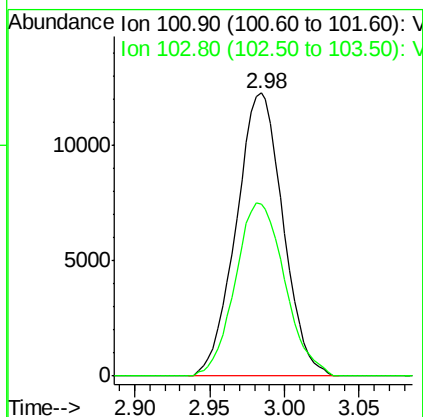
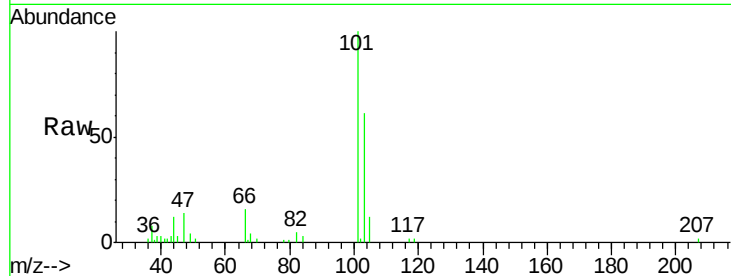


#7

Trichlorofluoromethane
 Concen: 5.022 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

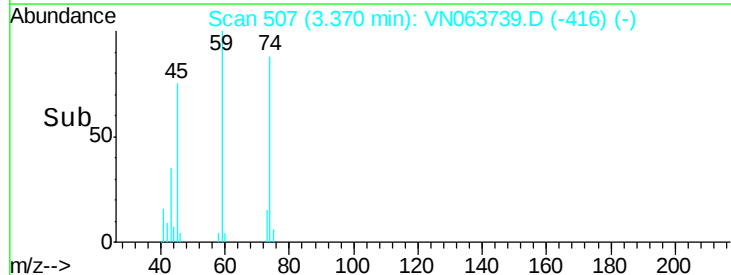
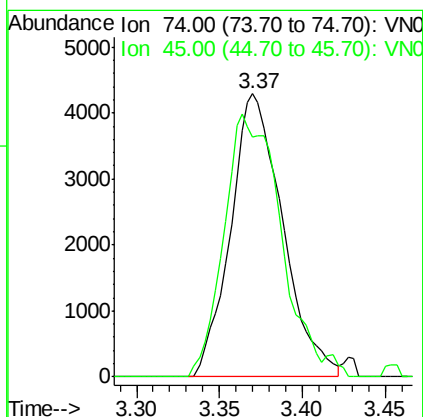
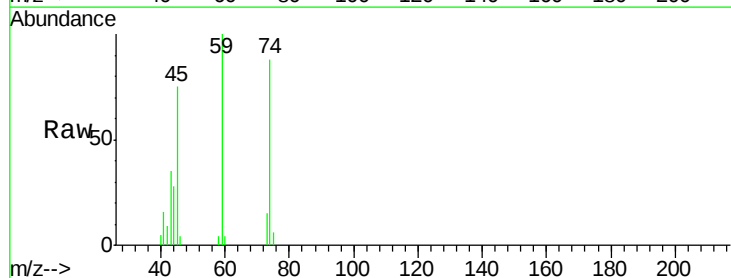
Tgt Ion:101 Resp: 26685
 Ion Ratio Lower Upper
 101 100
 103 60.9 50.7 76.1

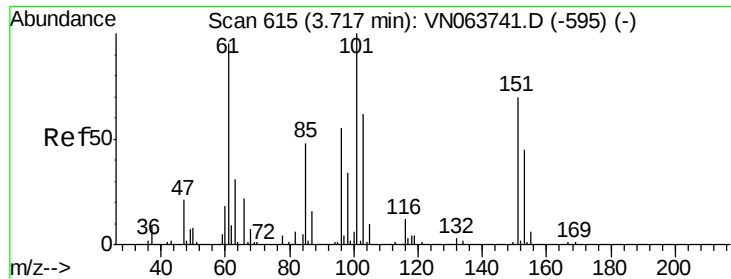


#8

Diethyl Ether
 Concen: 4.623 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 74 Resp: 9383
 Ion Ratio Lower Upper
 74 100
 45 100.1 50.9 152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.943 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

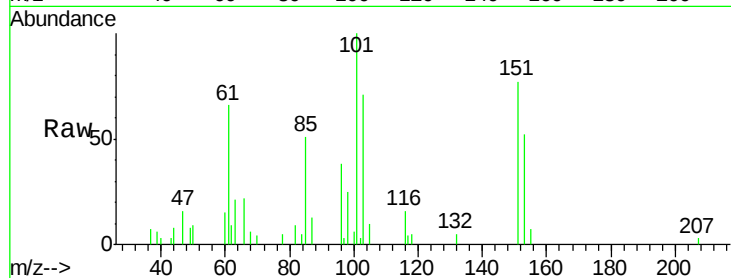
Tgt Ion:101 Resp: 14660

Ion Ratio Lower Upper

101 100

85 48.3 38.6 58.0

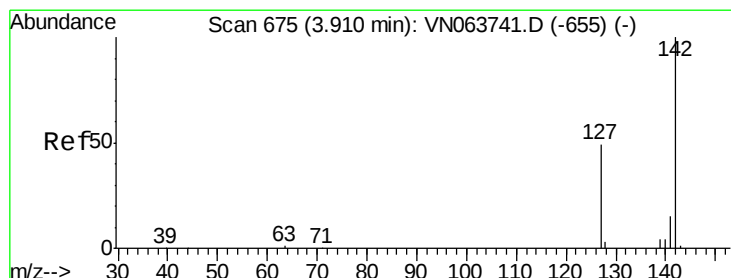
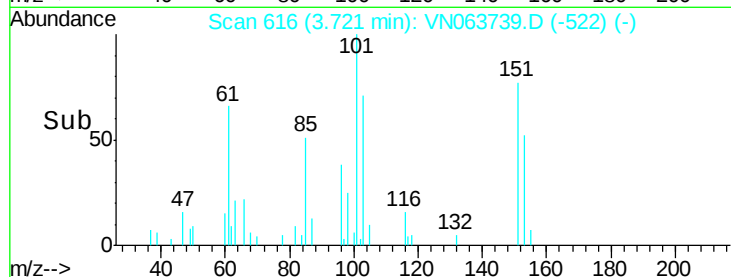
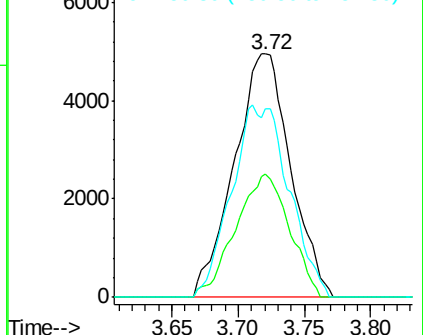
151 43.0 58.7 88.1#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.649 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

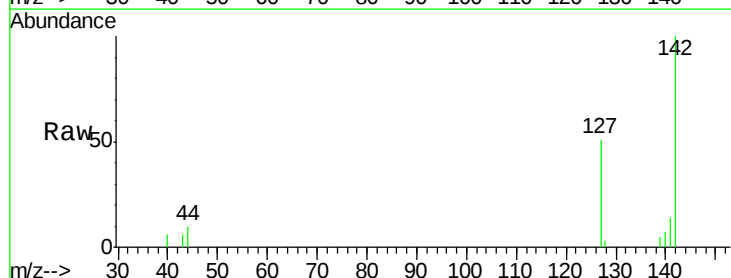
Tgt Ion:142 Resp: 13875

Ion Ratio Lower Upper

142 100

127 52.0 40.5 60.7

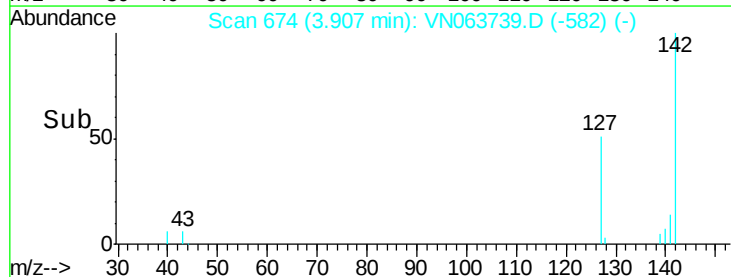
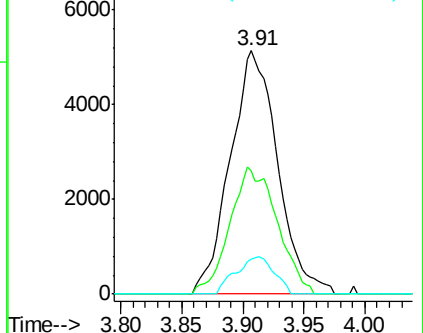
141 12.3 11.7 17.5

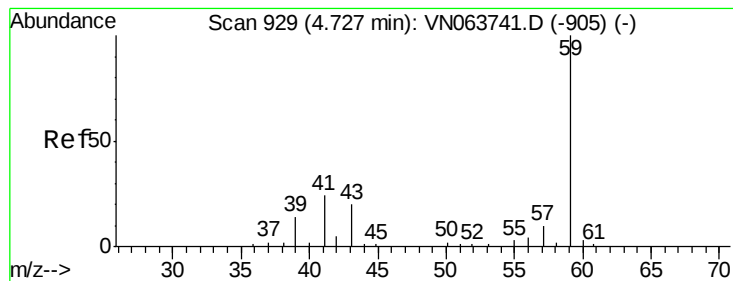


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 18.877 ug/l

RT: 4.73 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

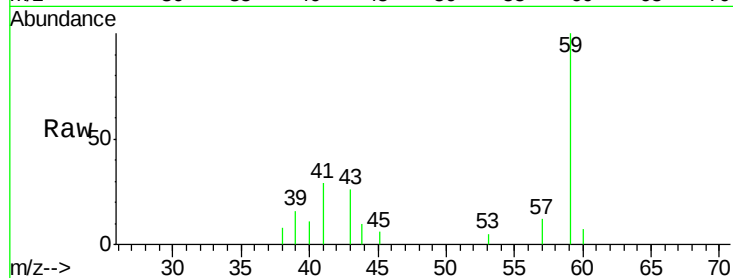
VSTDIC005

Tgt Ion: 59 Resp: 11522

Ion Ratio Lower Upper

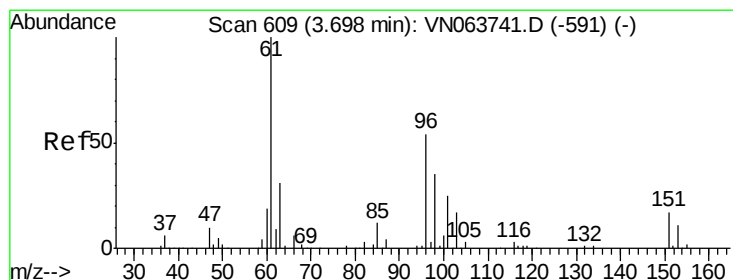
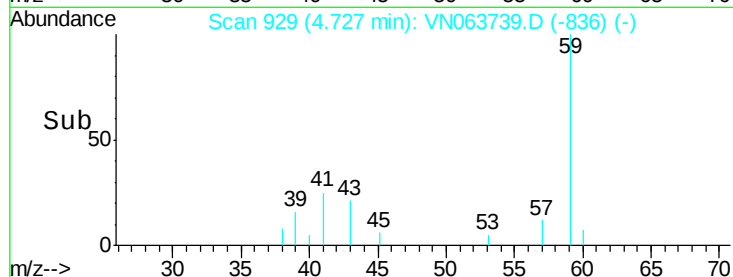
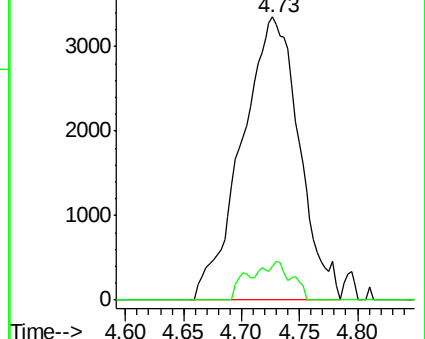
59 100

57 4.7 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 4.785 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

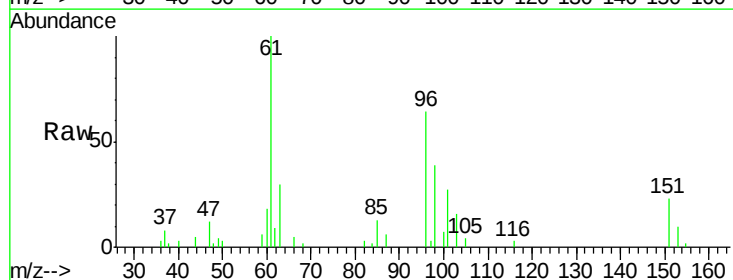
Tgt Ion: 96 Resp: 14222

Ion Ratio Lower Upper

96 100

61 156.9 147.7 221.5

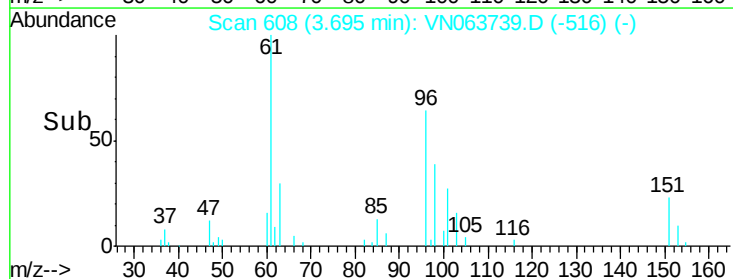
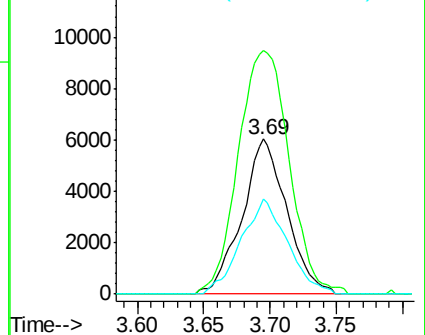
98 61.4 51.9 77.9

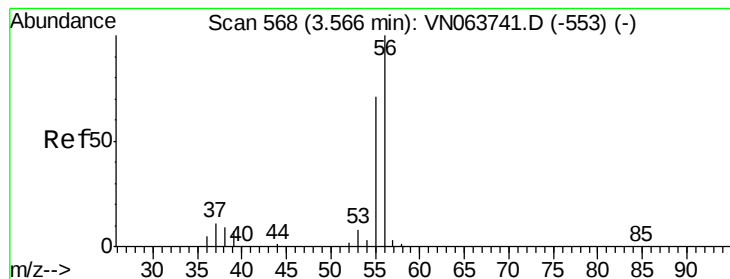


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 27.590 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

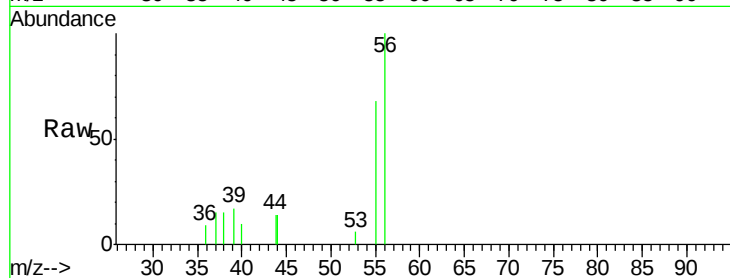
VSTDIC005

Tgt Ion: 56 Resp: 6881

Ion Ratio Lower Upper

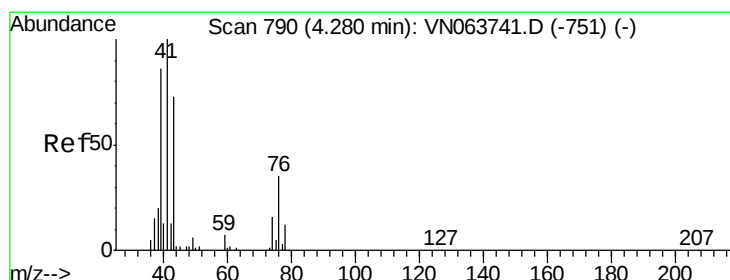
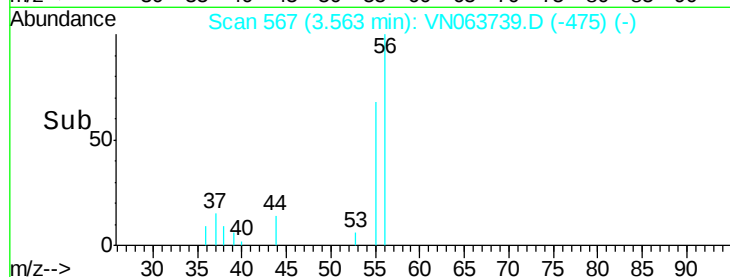
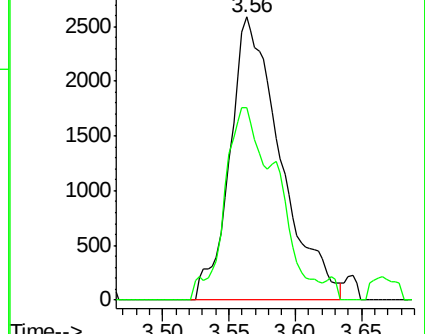
56 100

55 50.2 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VN063741.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN063741.D (-553) (-)



#14

Allyl chloride

Concen: 4.269 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

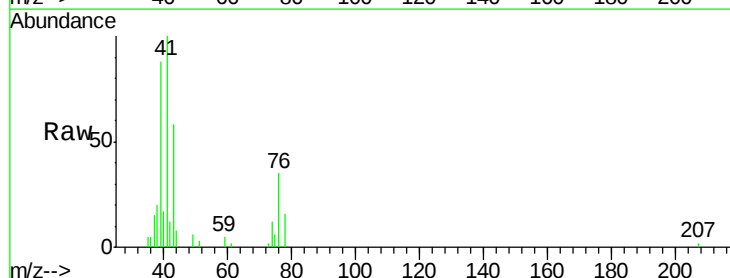
Tgt Ion: 41 Resp: 24903

Ion Ratio Lower Upper

41 100

39 76.9 64.5 96.7

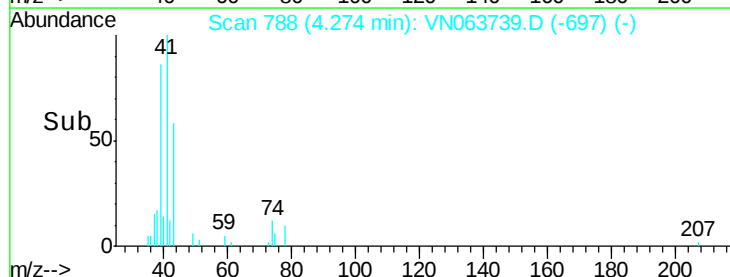
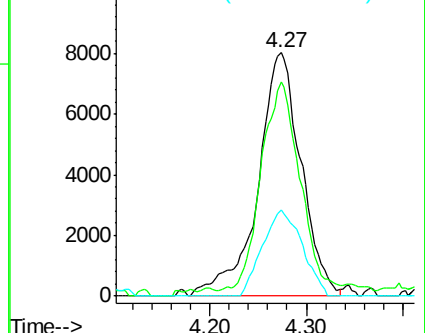
76 32.5 25.9 38.9

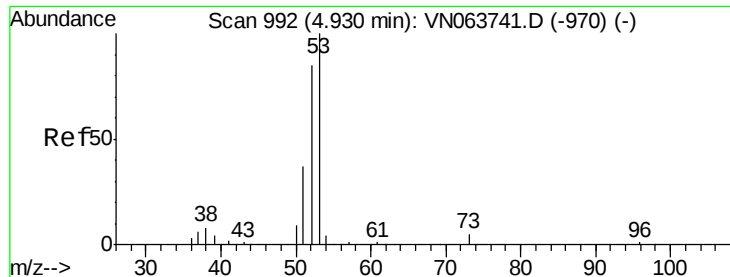


Abundance Ion 41.00 (40.70 to 41.70): VN063741.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN063741.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN063741.D (-751) (-)





#15

Acrylonitrile

Concen: 21.466 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

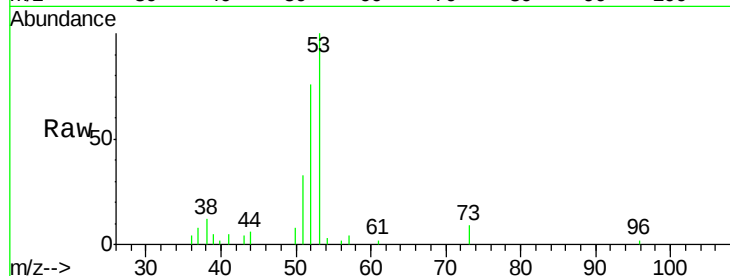
Tgt Ion: 53 Resp: 33993

Ion Ratio Lower Upper

53 100

52 77.5 66.5 99.7

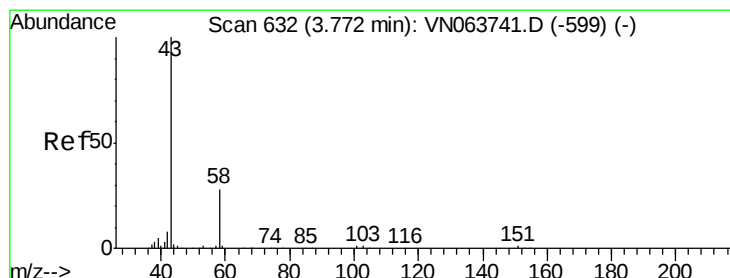
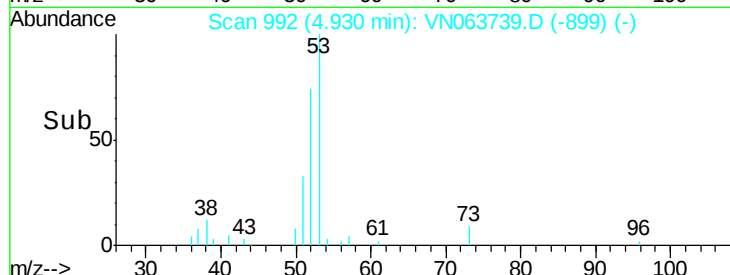
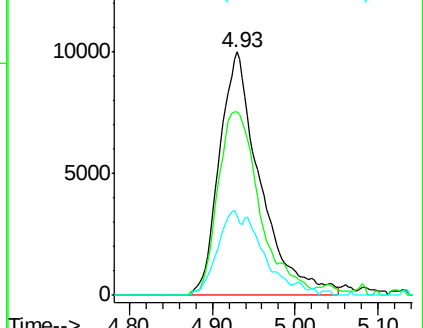
51 20.2 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VN063739.D (-899) (-)

Ion 52.00 (51.70 to 52.70): VN063739.D (-899) (-)

Ion 51.00 (50.70 to 51.70): VN063739.D (-899) (-)



#16

Acetone

Concen: 22.977 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.00 min

Lab File: VN063739.D

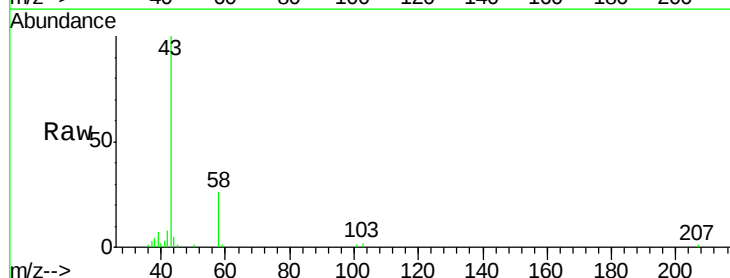
Acq: 30 Sep 2020 10:25

Tgt Ion: 43 Resp: 33693

Ion Ratio Lower Upper

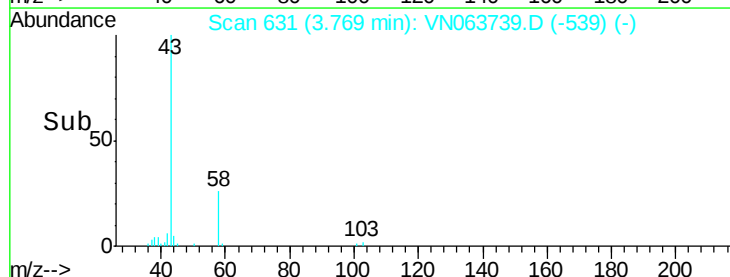
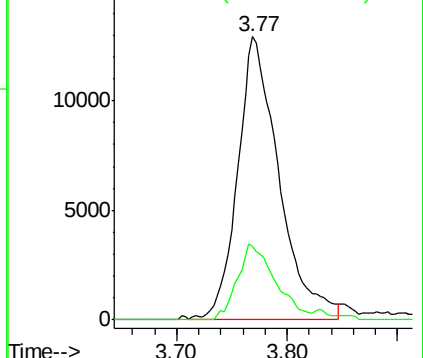
43 100

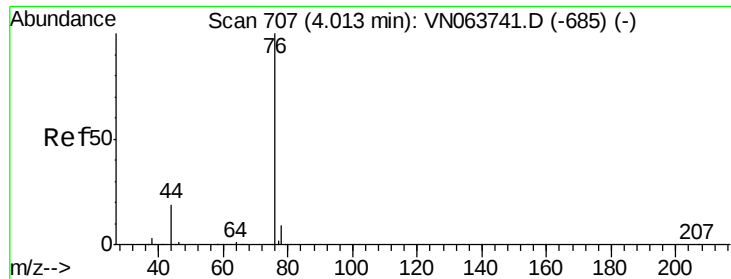
58 26.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063739.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VN063739.D (-539) (-)

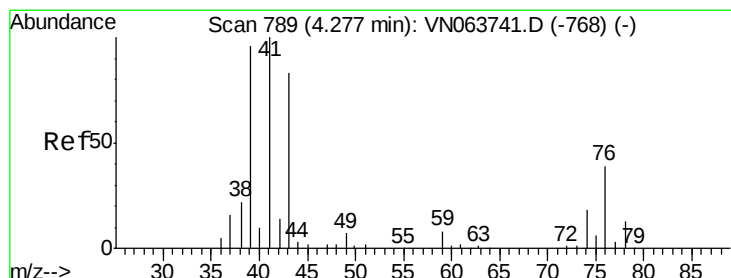
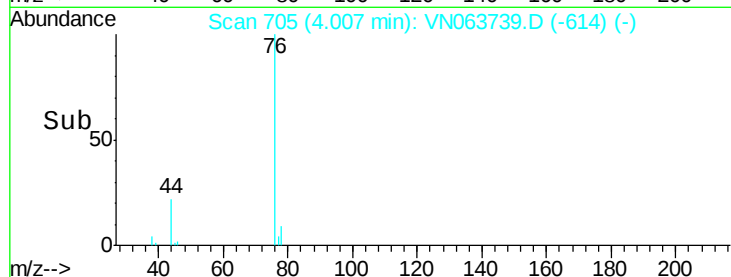
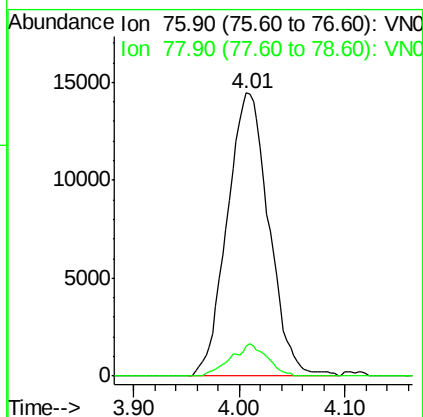
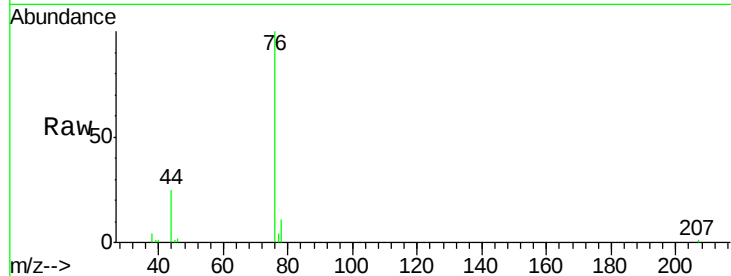




#17
Carbon Disulfide
Concen: 4.617 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.01 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

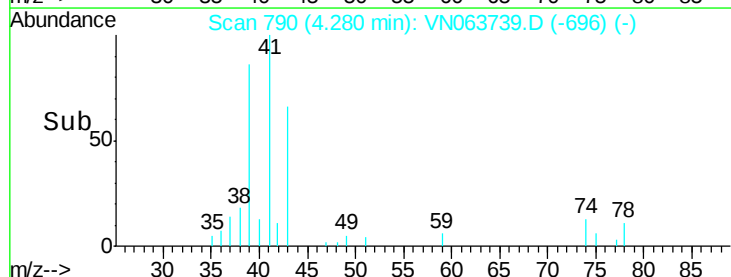
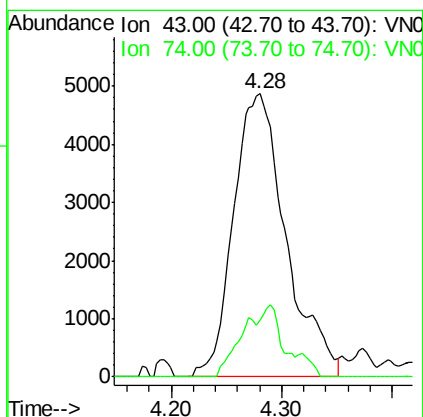
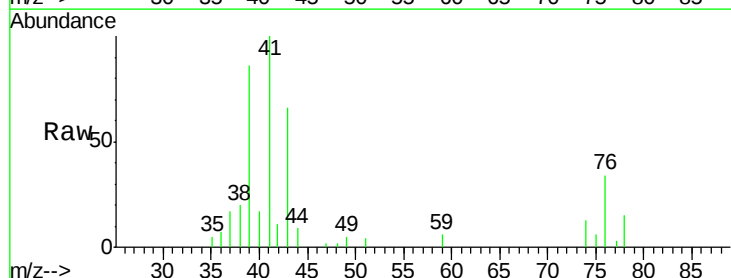
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 39634
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.4#



#18
Methyl Acetate
Concen: 4.345 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 43 Resp: 16081
Ion Ratio Lower Upper
43 100
74 5.9 17.4 26.2#





#19

Methyl tert-butyl Ether

Concen: 4.295 ug/l

RT: 4.98 min Scan# 1008

Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

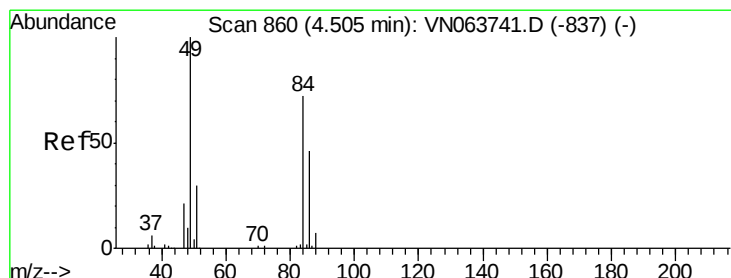
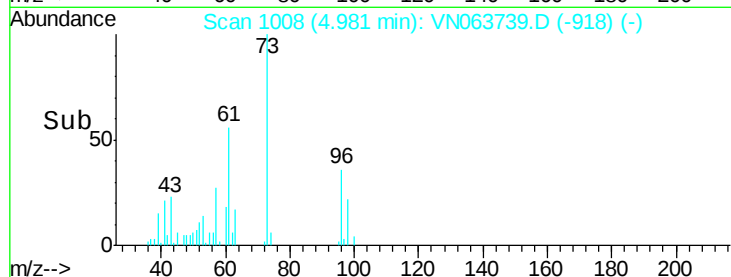
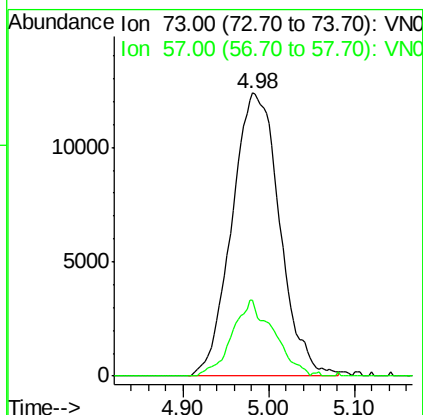
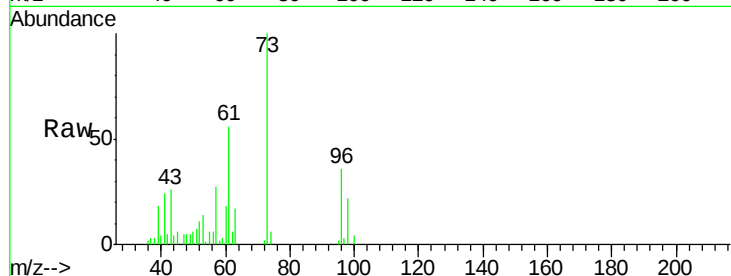
VSTDIC005

Tgt Ion: 73 Resp: 47837

Ion Ratio Lower Upper

73 100

57 27.0 17.6 26.4#



#20

Methylene Chloride

Concen: 4.533 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion: 84 Resp: 16667

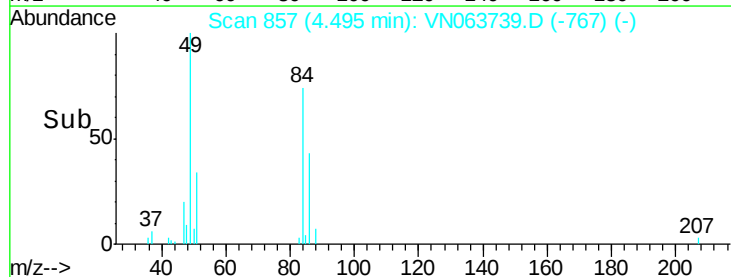
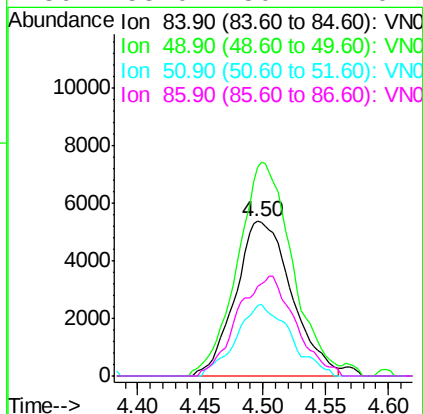
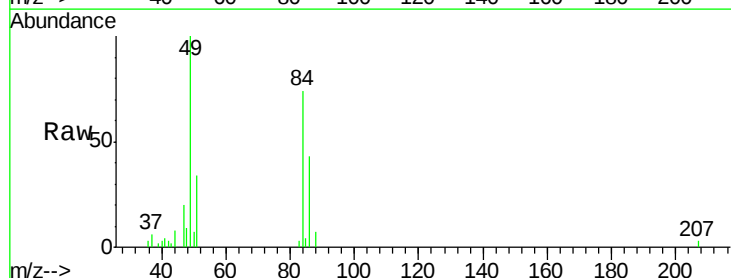
Ion Ratio Lower Upper

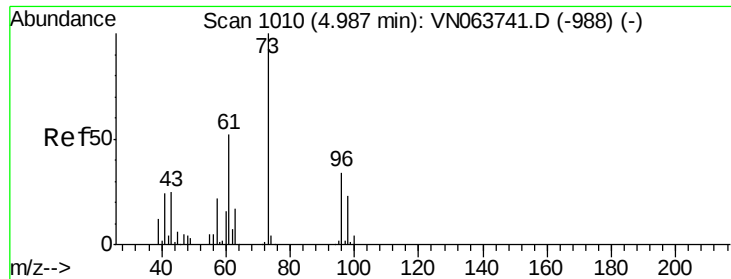
84 100

49 135.0 110.4 165.6

51 45.9 33.3 49.9

86 58.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 4.756 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

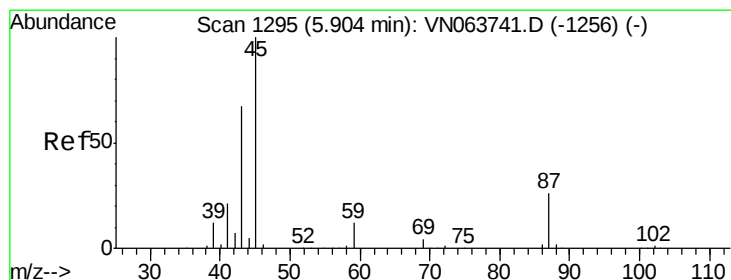
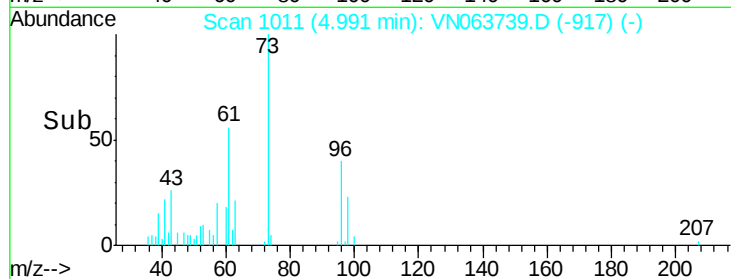
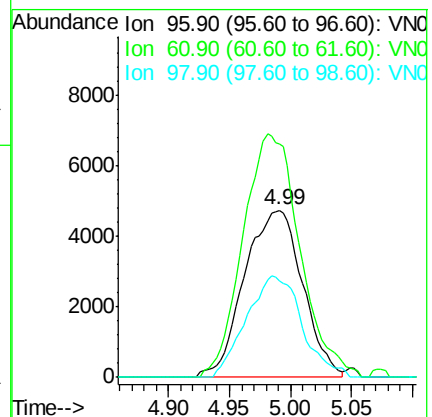
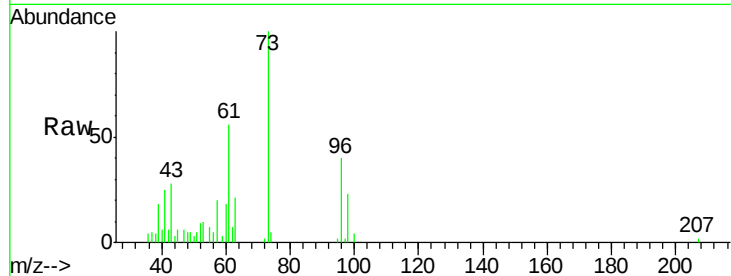
Tgt Ion: 96 Resp: 15706

Ion Ratio Lower Upper

96 100

61 139.9 120.2 180.2

98 57.7 52.6 79.0



#22

Diisopropyl ether

Concen: 4.160 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion: 45 Resp: 50031

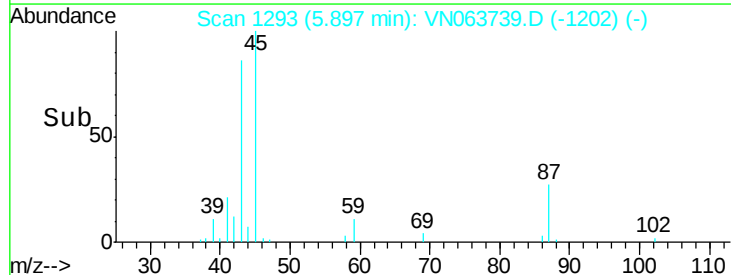
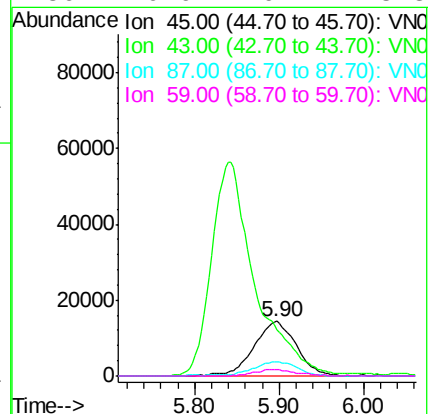
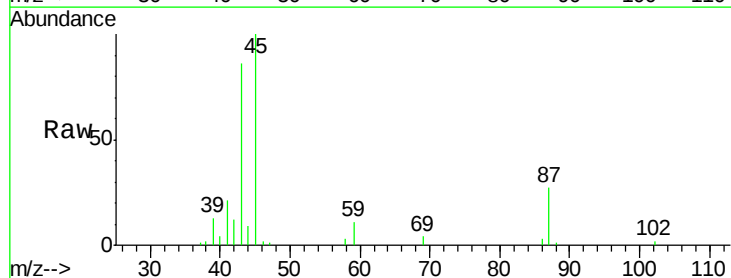
Ion Ratio Lower Upper

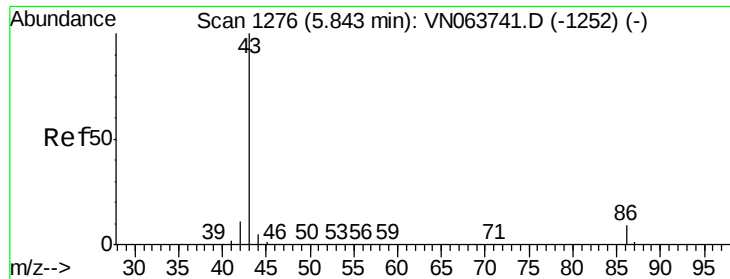
45 100

43 79.9 53.7 80.5

87 27.0 21.1 31.7

59 10.9 9.2 13.8

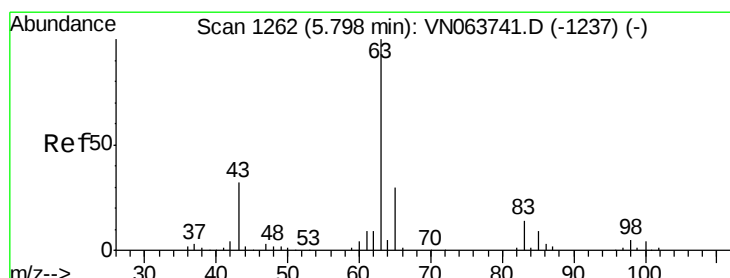
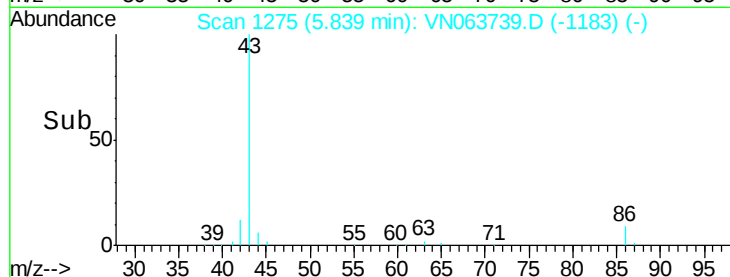
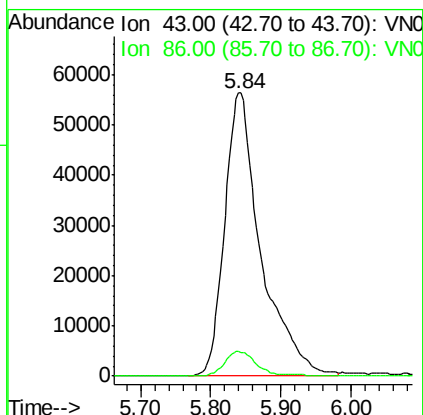
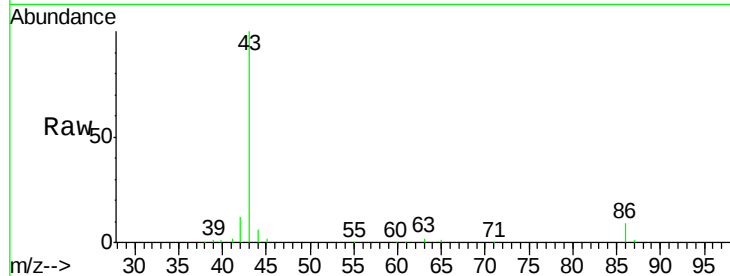




#23
 Vinyl Acetate
 Concen: 20.560 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

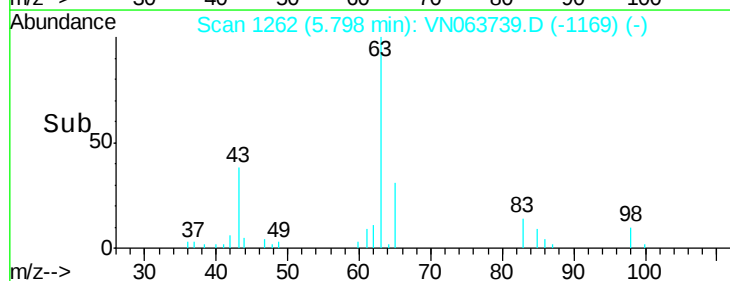
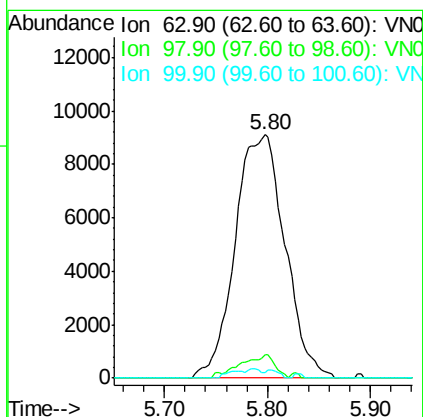
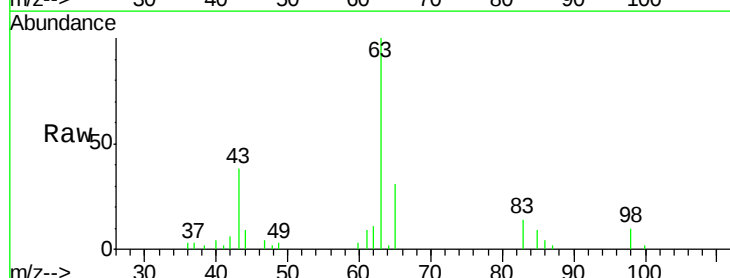
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 202529
 Ion Ratio Lower Upper
 43 100
 86 8.6 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 4.644 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 63 Resp: 30504
 Ion Ratio Lower Upper
 63 100
 98 9.6 2.7 8.1#
 100 2.5 1.9 5.7





#25

2-Butanone

Concen: 20.474 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

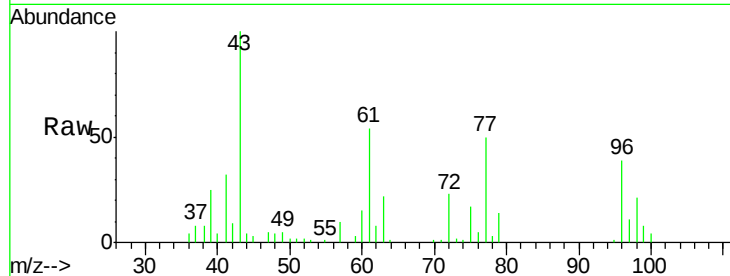
VSTDIC005

Tgt Ion: 43 Resp: 45598

Ion Ratio Lower Upper

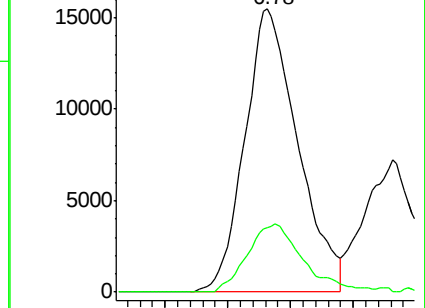
43 100

72 23.0 19.3 28.9

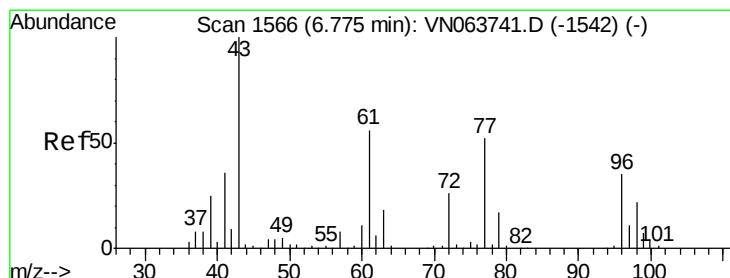
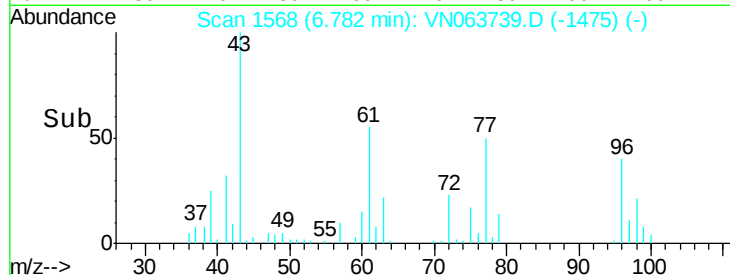


Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1547) (-)

Ion 72.00 (71.70 to 72.70): VN063741.D (-1547) (-)



Time-->



#26

2,2-Dichloropropane

Concen: 4.693 ug/l

RT: 6.77 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN063739.D

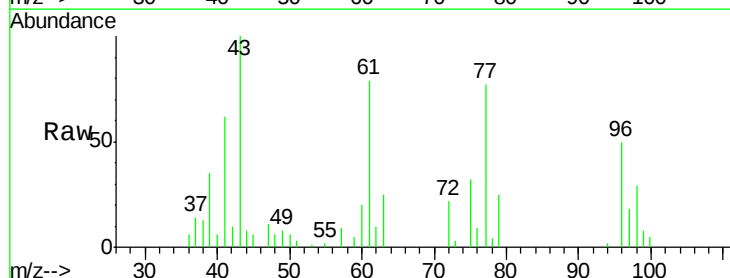
Acq: 30 Sep 2020 10:25

Tgt Ion: 77 Resp: 27370

Ion Ratio Lower Upper

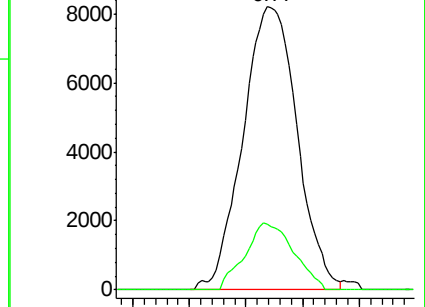
77 100

97 21.2 10.8 32.3

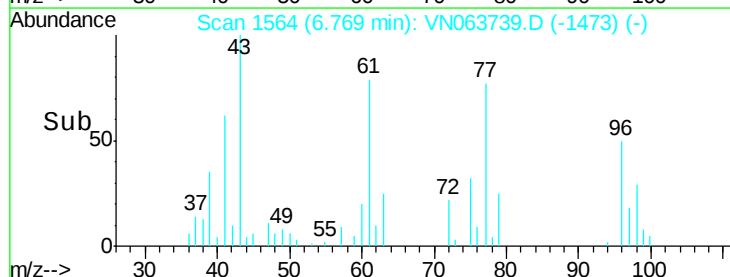


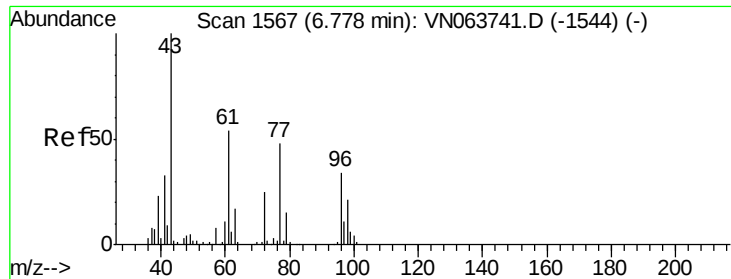
Abundance Ion 76.90 (76.60 to 77.60): VN063741.D (-1542) (-)

Ion 96.90 (96.60 to 97.60): VN063741.D (-1542) (-)



Time-->





#27

cis-1,2-Dichloroethene

Concen: 4.753 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

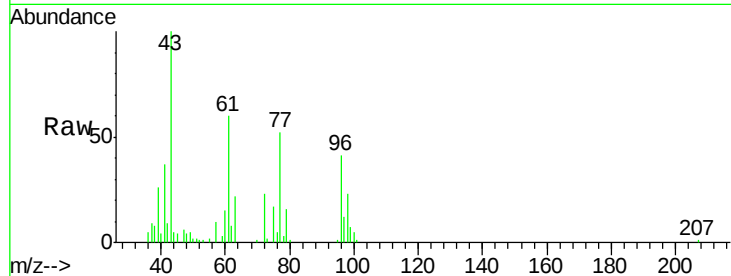
Tgt Ion: 96 Resp: 17772

Ion Ratio Lower Upper

96 100

61 153.2 0.0 321.2

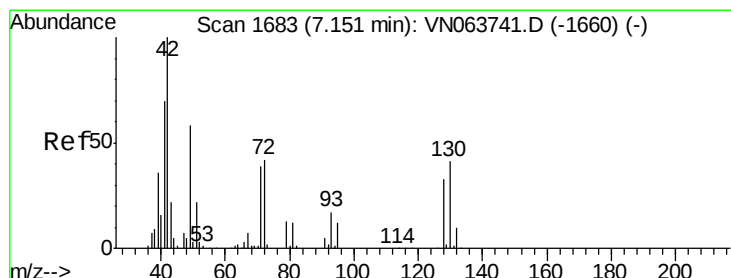
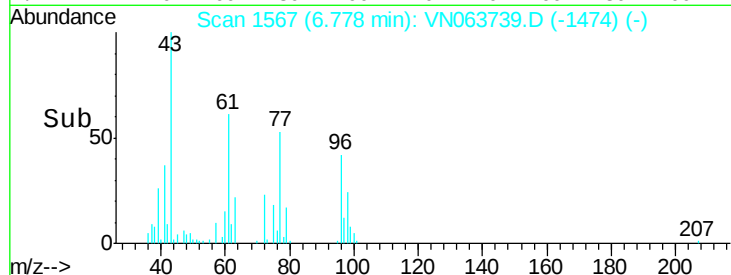
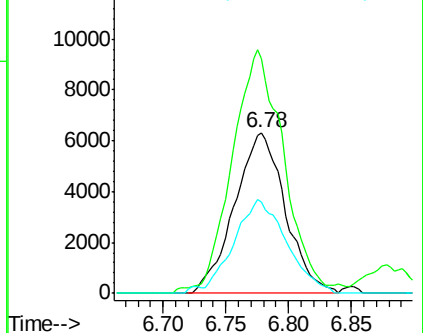
98 60.5 0.0 124.4



Abundance Ion 95.90 (95.60 to 96.60): VN063739.D (-1544) (-)

Ion 60.90 (60.60 to 61.60): VN063739.D (-1544) (-)

Ion 97.90 (97.60 to 98.60): VN063739.D (-1544) (-)



#28

Bromochloromethane

Concen: 2.512 ug/l

RT: 7.14 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

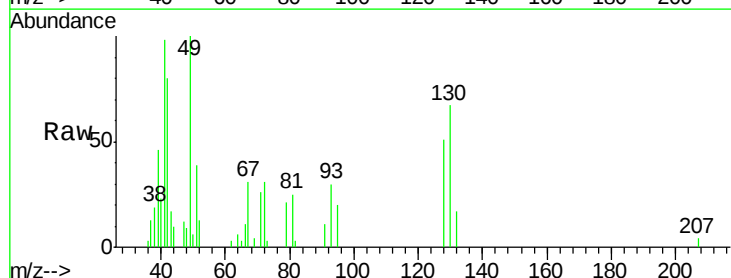
Tgt Ion: 49 Resp: 7781

Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.8

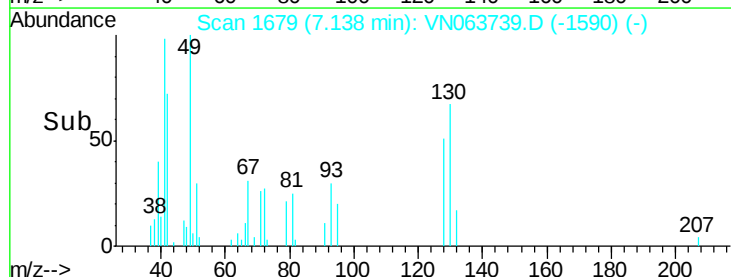
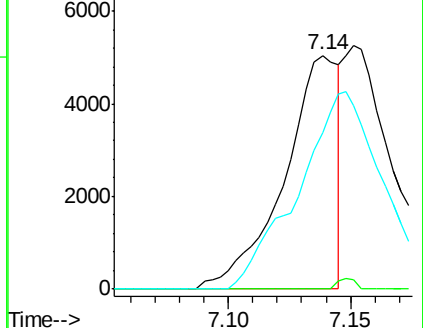
130 134.0 55.6 83.4#

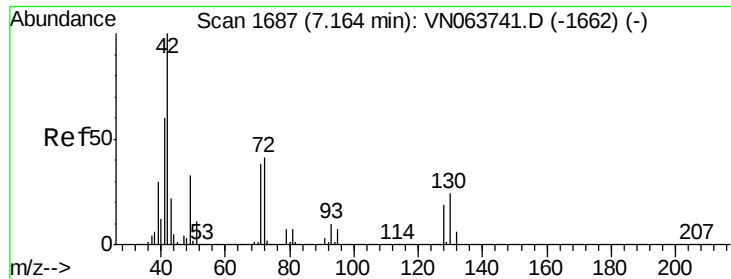


Abundance Ion 48.90 (48.60 to 49.60): VN063739.D (-1590) (-)

Ion 128.80 (128.50 to 129.50): VN063739.D (-1590) (-)

Ion 129.80 (129.50 to 130.50): VN063739.D (-1590) (-)





#29

Tetrahydrofuran

Concen: 19.684 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

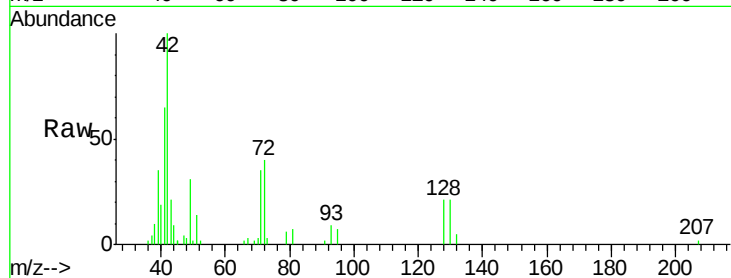
Tgt Ion: 42 Resp: 29922

Ion Ratio Lower Upper

42 100

72 39.7 32.8 49.2

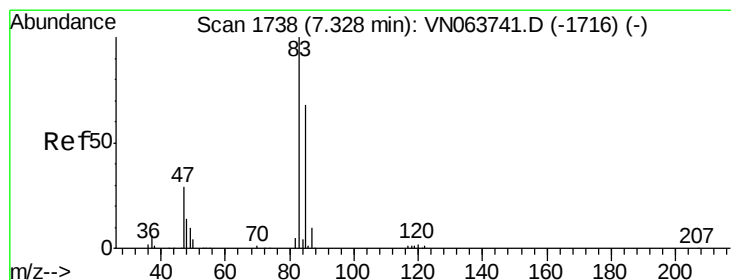
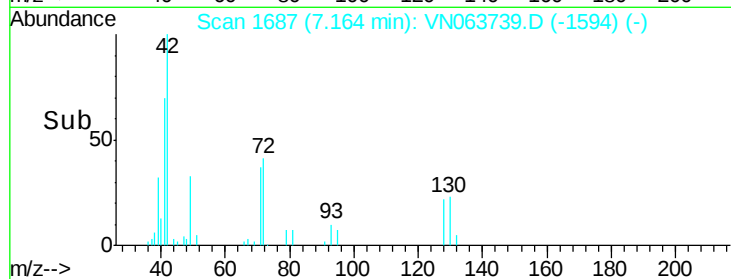
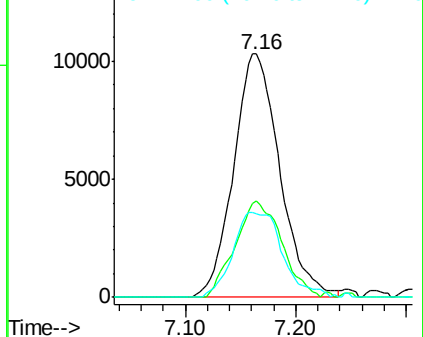
71 37.4 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 4.757 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN063739.D

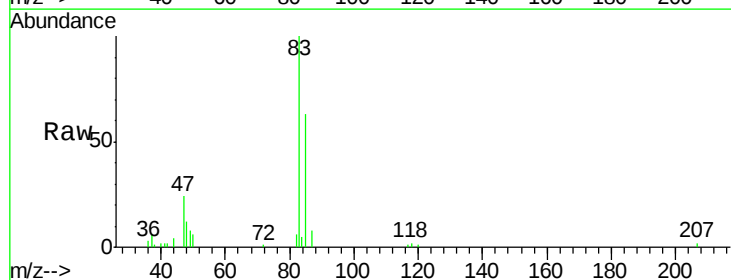
Acq: 30 Sep 2020 10:25

Tgt Ion: 83 Resp: 31562

Ion Ratio Lower Upper

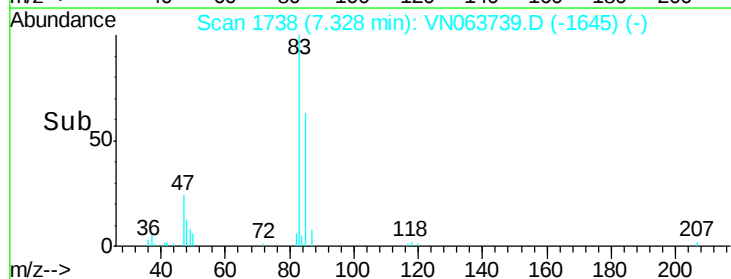
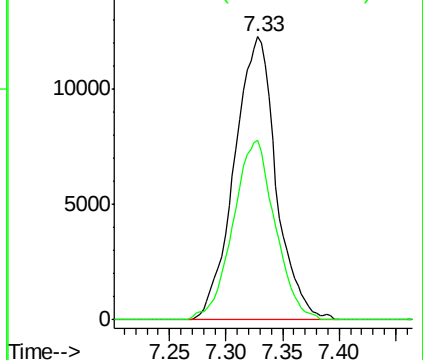
83 100

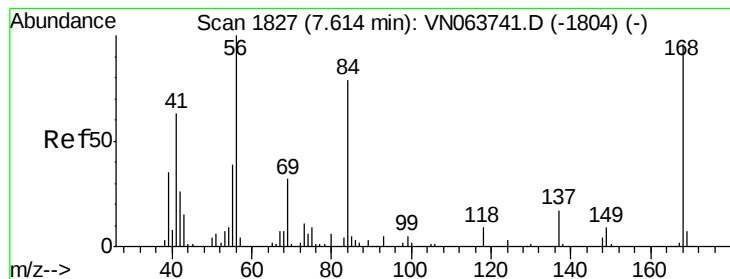
85 63.4 54.6 82.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 5.107 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

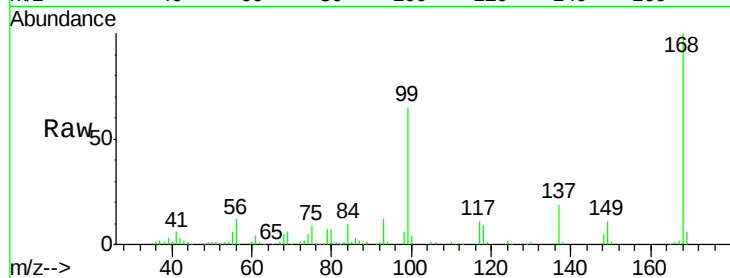
Tgt Ion: 56 Resp: 31246

Ion Ratio Lower Upper

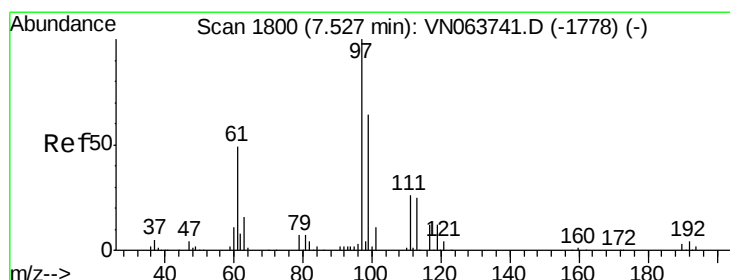
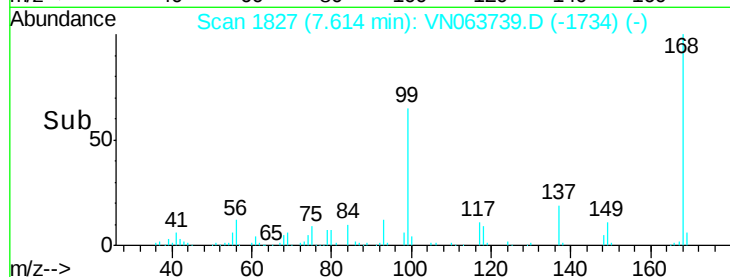
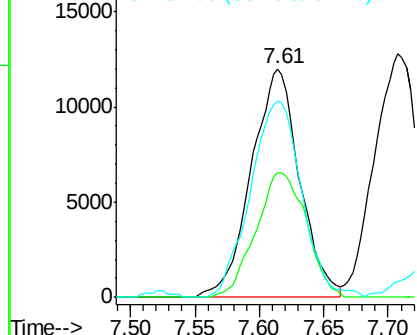
56 100

69 54.6 25.4 38.2#

84 85.6 63.3 94.9



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 4.659 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

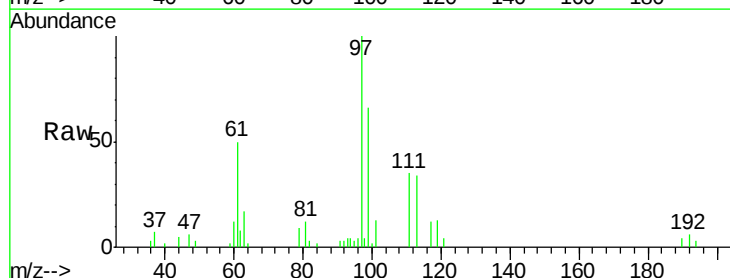
Tgt Ion: 97 Resp: 27676

Ion Ratio Lower Upper

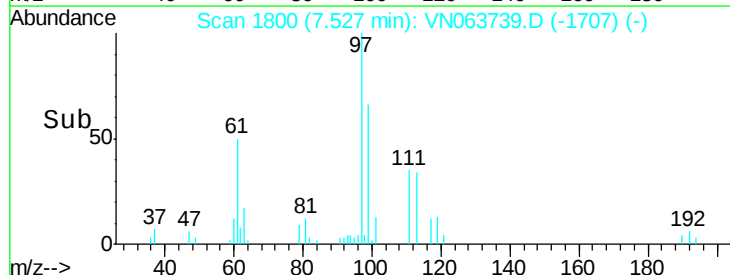
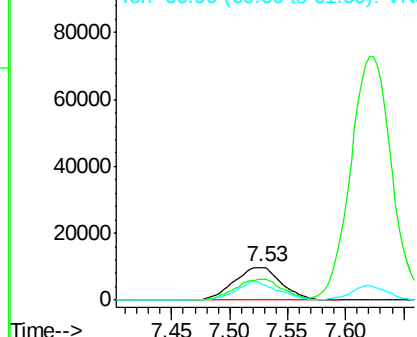
97 100

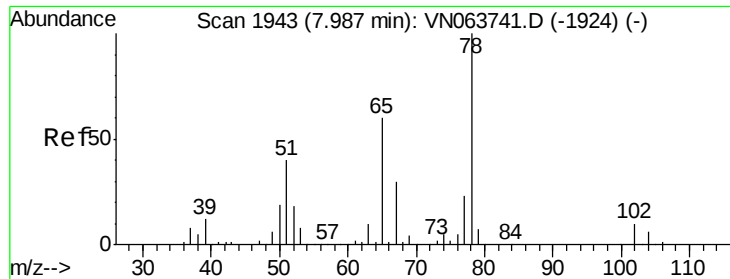
99 64.3 51.0 76.6

61 50.1 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

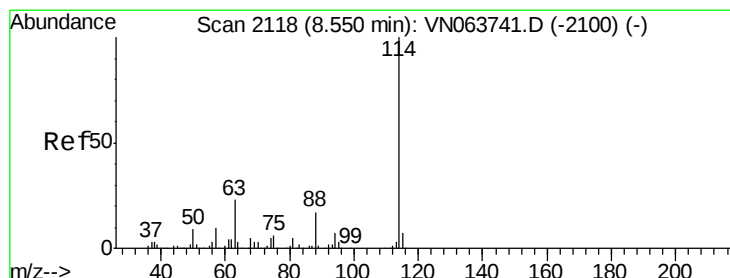
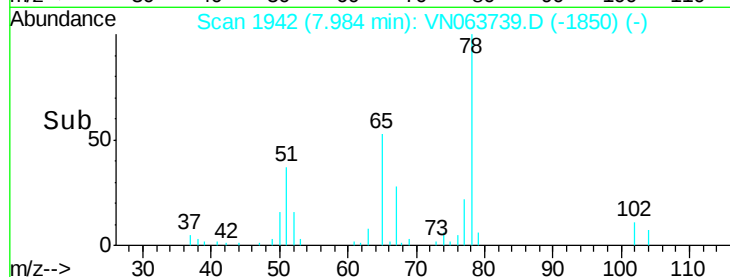
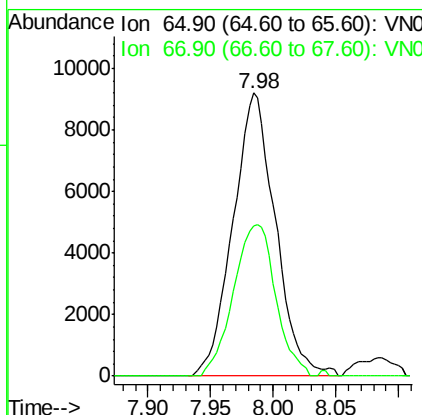
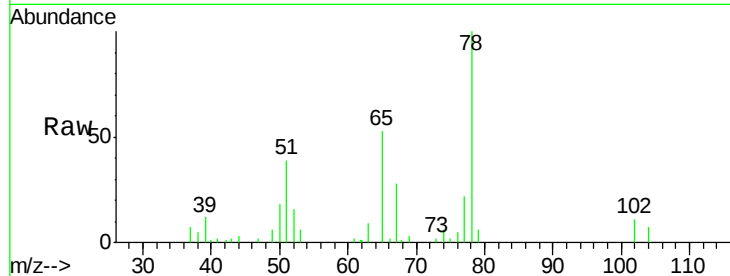




#33
 1,2-Dichloroethane-d4
 Concen: 4.712 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

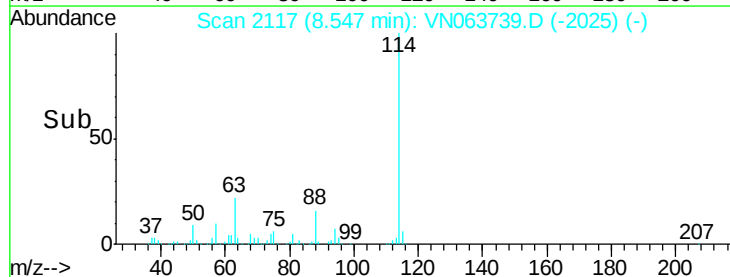
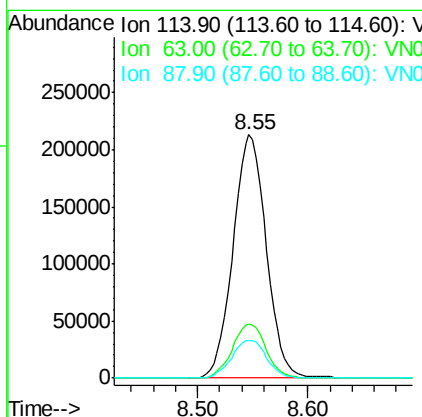
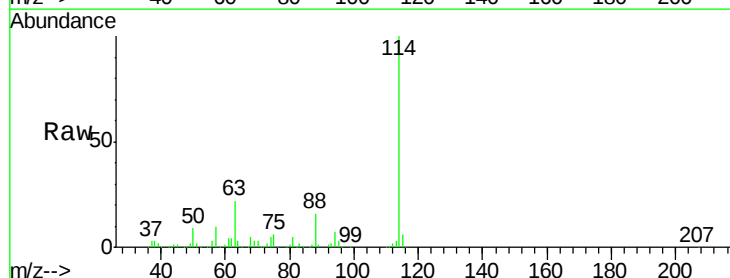
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 21629
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 114 Resp: 443592
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 15.6 0.0 34.0

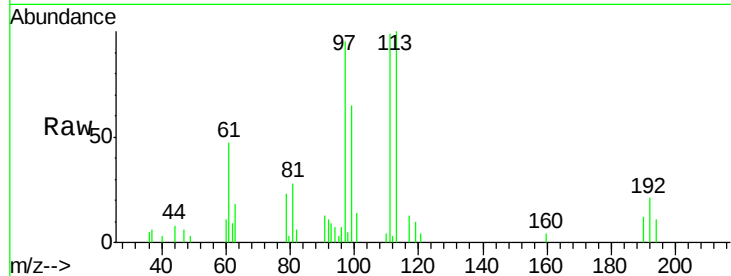




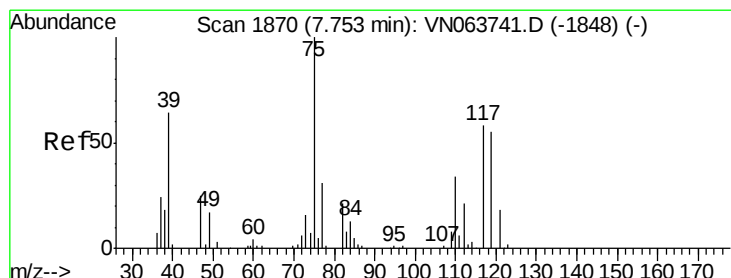
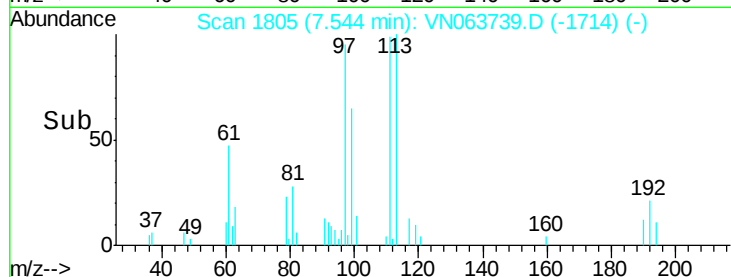
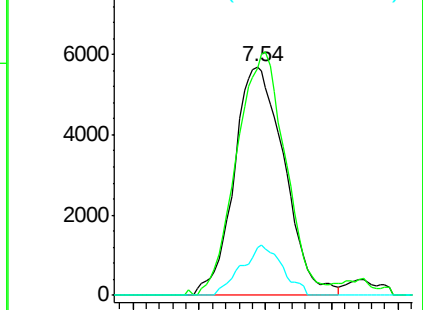
#35
 Dibromofluoromethane
 Concen: 4.881 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 15038
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.8 122.8
 192 17.8 14.2 21.2

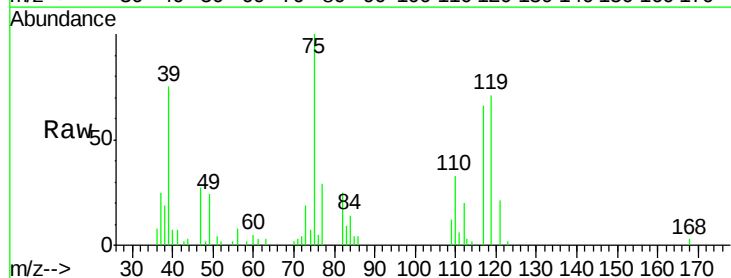


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

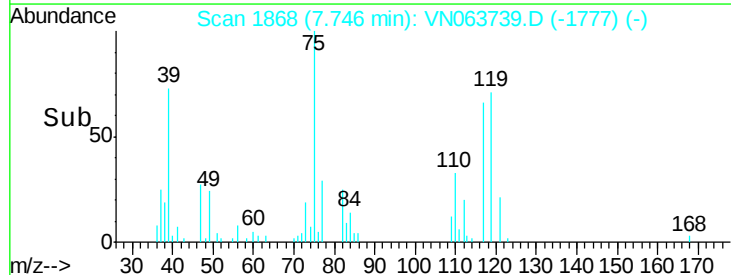
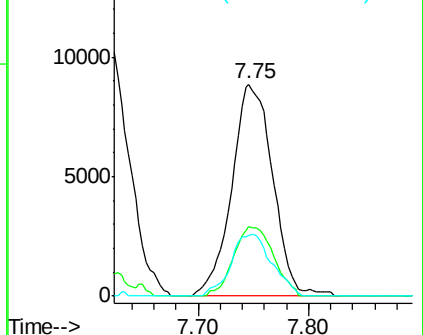


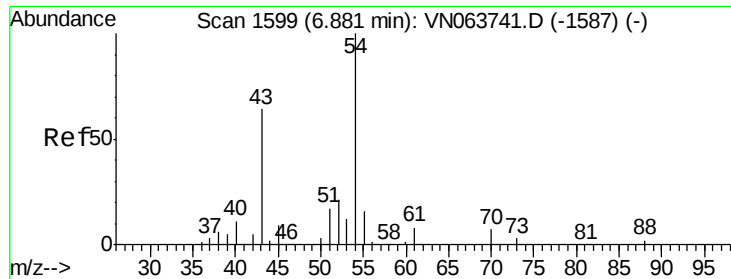
#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 75 Resp: 22879
 Ion Ratio Lower Upper
 75 100
 110 32.0 16.9 50.6
 77 29.2 24.5 36.7



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

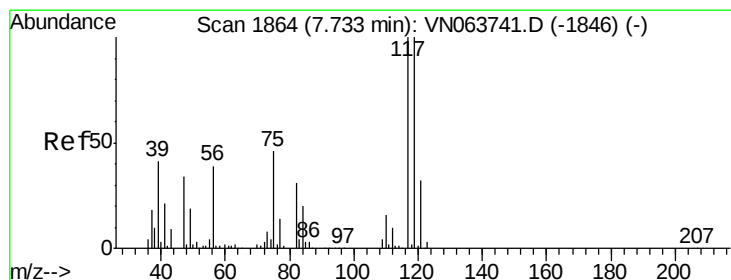
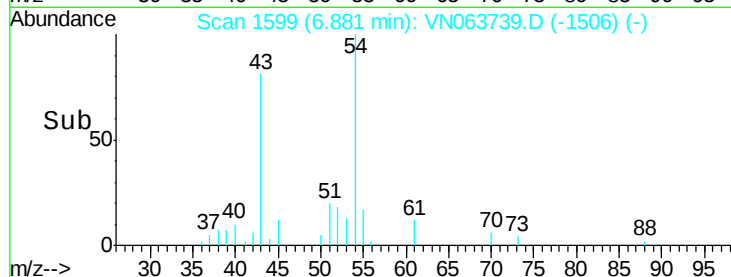
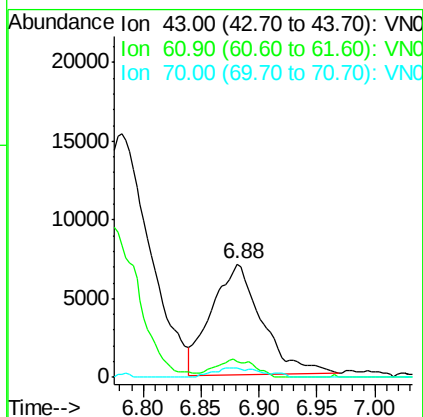
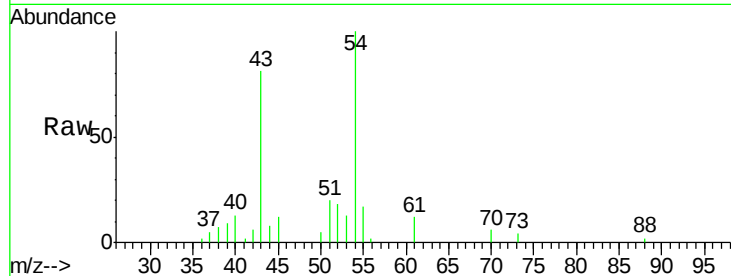




#37
 Ethyl Acetate
 Concen: 4.629 ug/l
 RT: 6.88 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

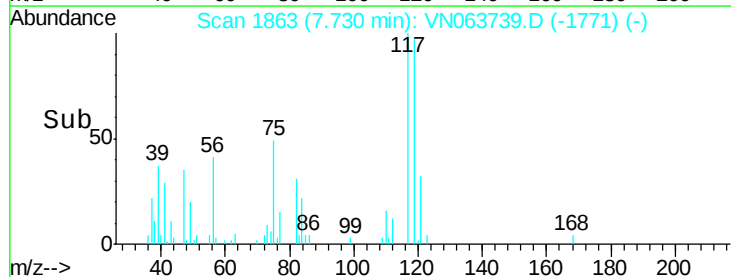
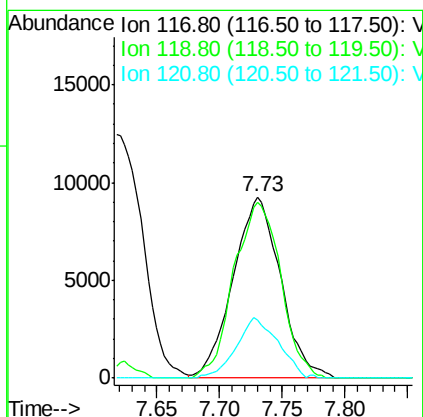
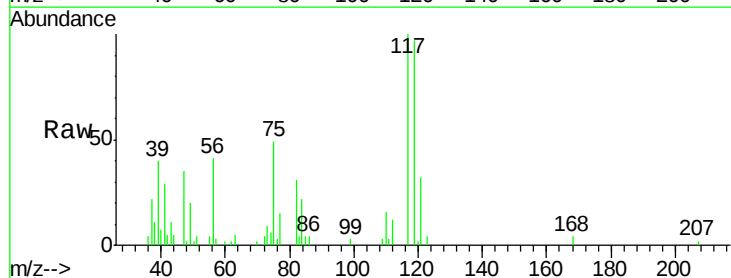
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

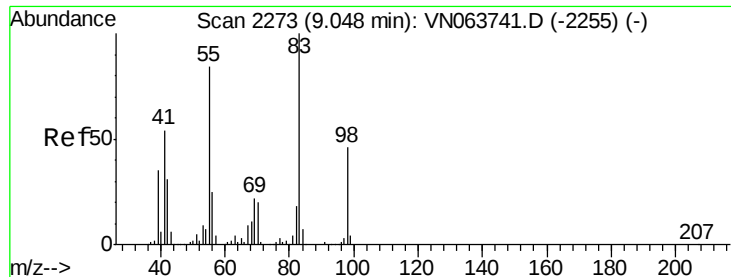
Tgt Ion: 43 Resp: 21061
 Ion Ratio Lower Upper
 43 100
 61 12.7 10.4 15.6
 70 5.2 7.3 10.9#



#38
 Carbon Tetrachloride
 Concen: 5.072 ug/l
 RT: 7.73 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 117 Resp: 24342
 Ion Ratio Lower Upper
 117 100
 119 97.2 80.1 120.1
 121 31.7 25.7 38.5

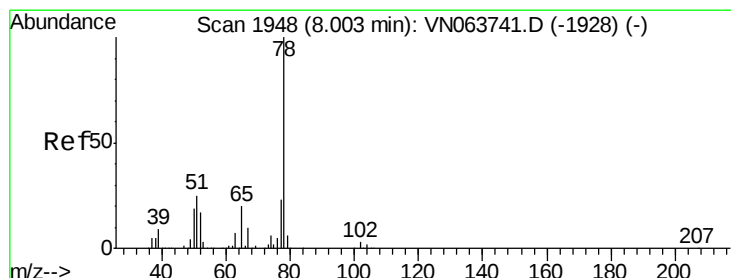
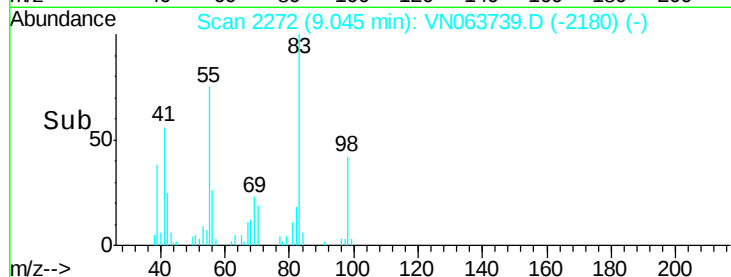
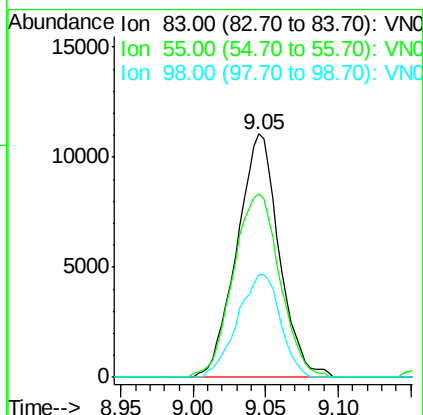
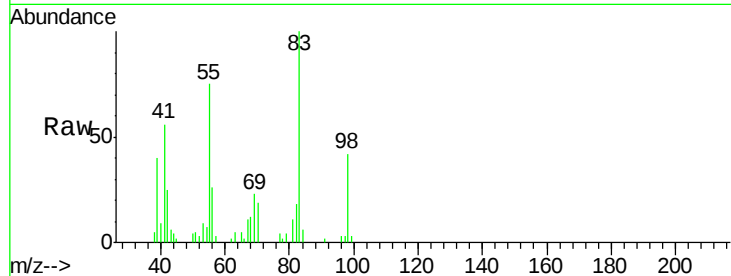




#39
Methylcyclohexane
Concen: 4.477 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

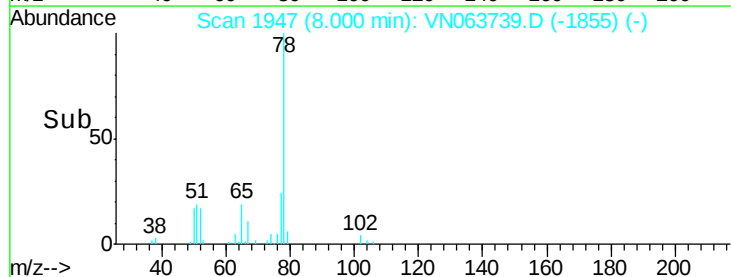
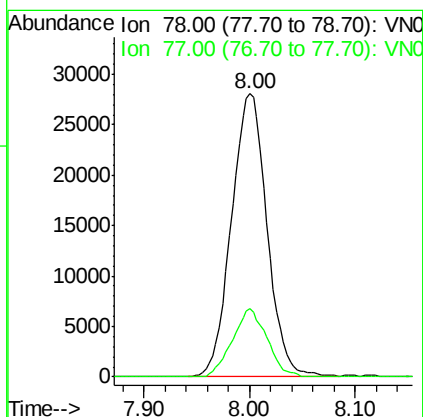
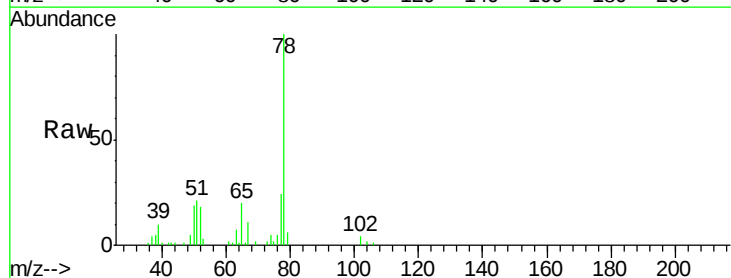
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

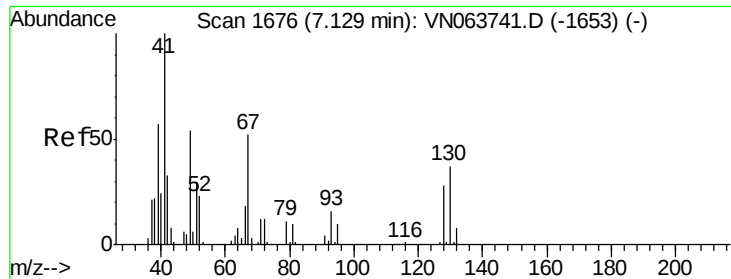
Tgt Ion: 83 Resp: 22424
Ion Ratio Lower Upper
83 100
55 75.4 67.1 100.7
98 42.3 36.6 54.8



#40
Benzene
Concen: 4.952 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 78 Resp: 65809
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

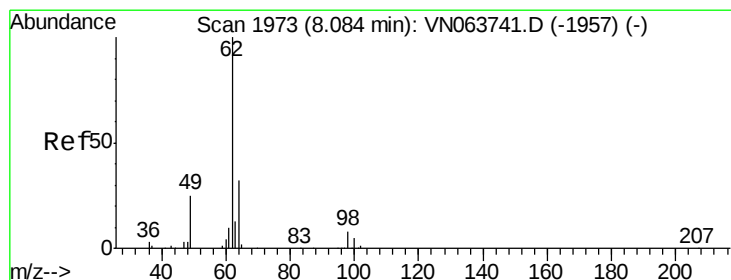
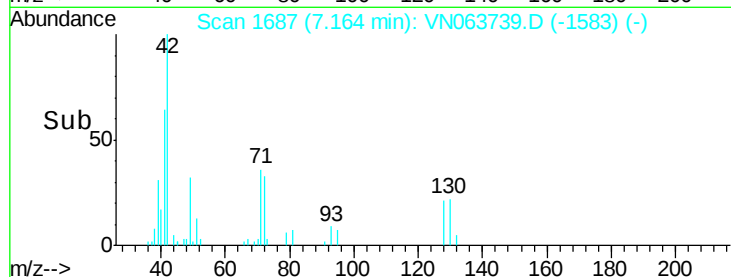
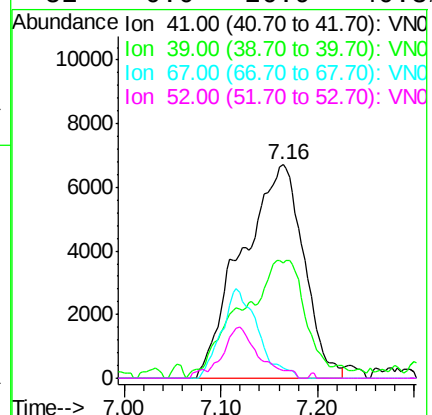
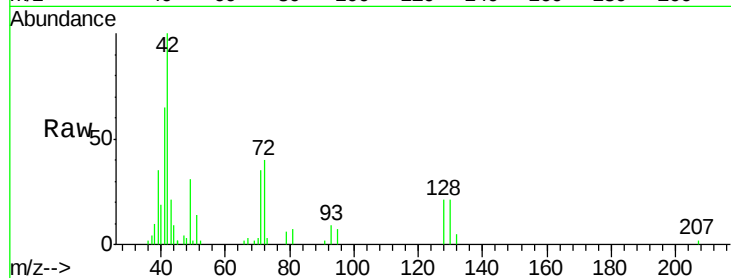




#41
Methacrylonitrile
Concen: 14.270 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

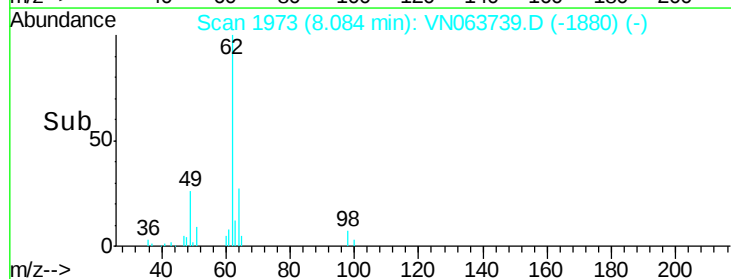
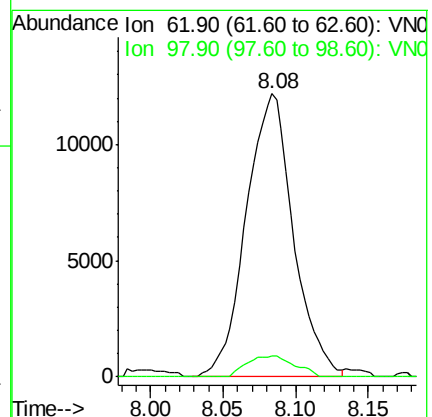
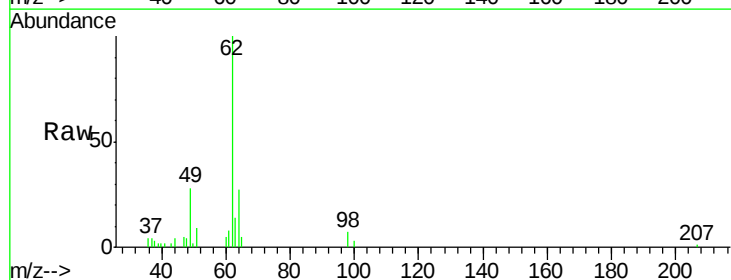
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

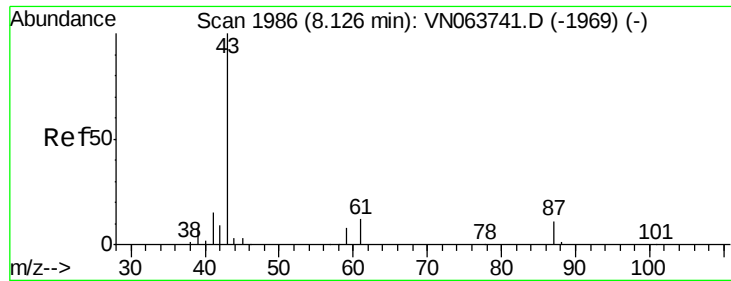
Tgt Ion:	41	Resp:	29737
Ion	Ratio	Lower	Upper
41	100		
39	5.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#



#42
1,2-Dichloroethane
Concen: 5.112 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion:	62	Resp:	27577
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.0





#43

Isopropyl Acetate

Concen: 4.132 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

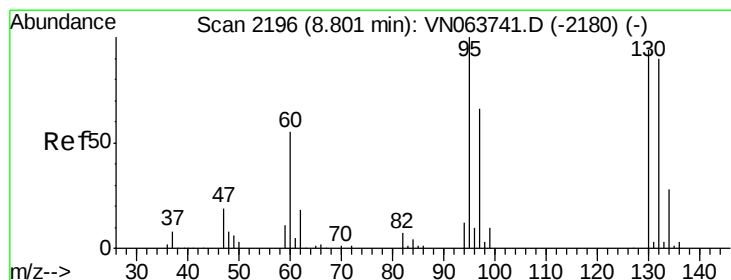
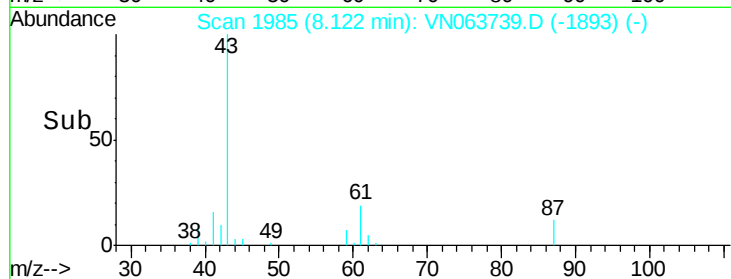
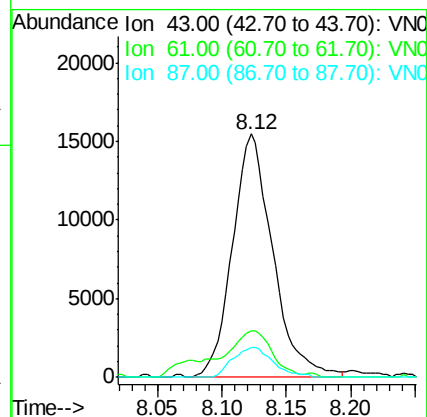
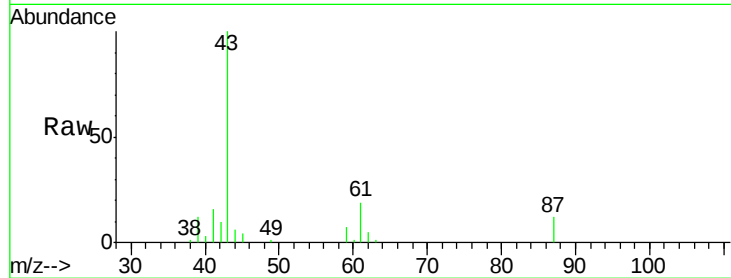
Tgt Ion: 43 Resp: 33700

Ion Ratio Lower Upper

43 100

61 17.2 14.2 21.4

87 12.4 9.0 13.6



#44

Trichloroethene

Concen: 5.075 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN063739.D

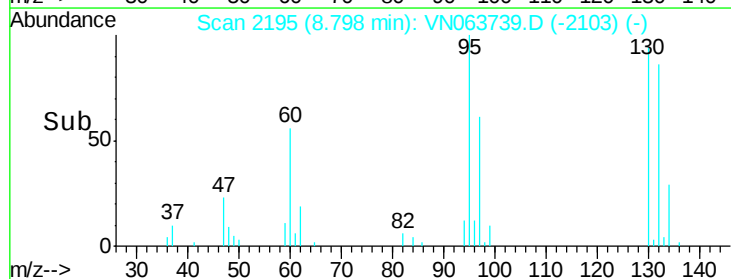
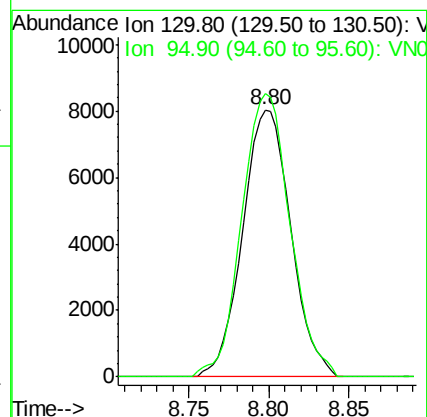
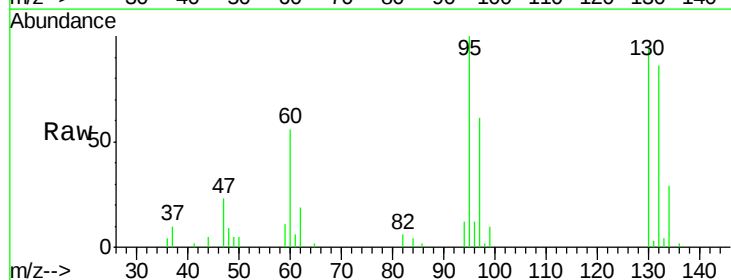
Acq: 30 Sep 2020 10:25

Tgt Ion: 130 Resp: 16555

Ion Ratio Lower Upper

130 100

95 106.0 0.0 213.6

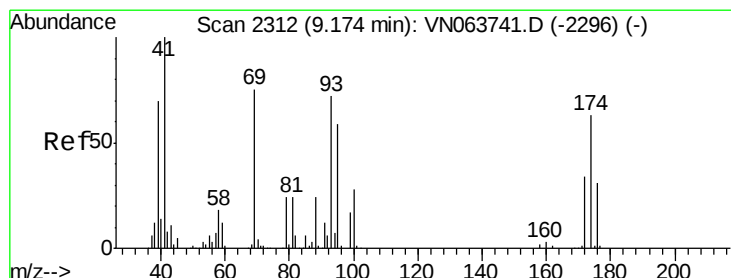
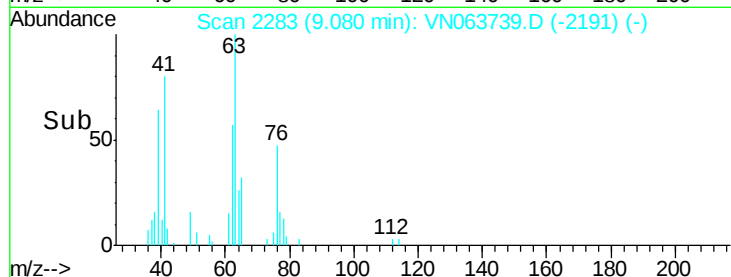
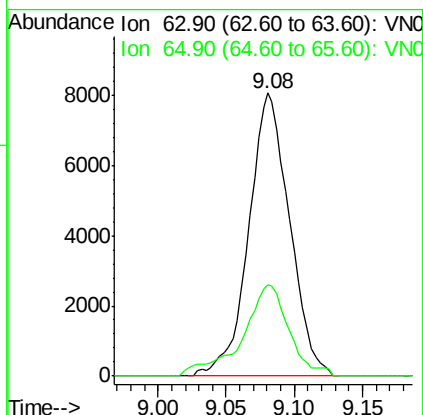
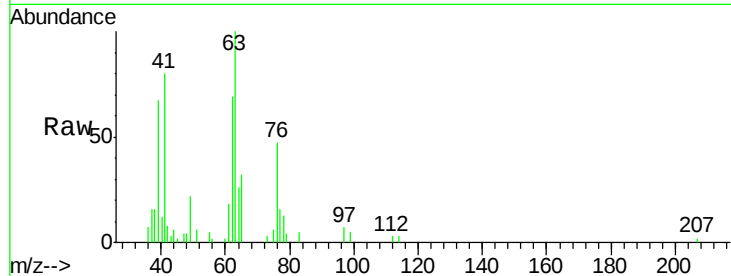




#45
 1,2-Dichloropropane
 Concen: 4.629 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

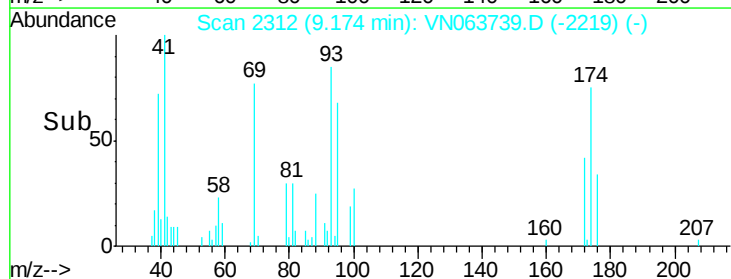
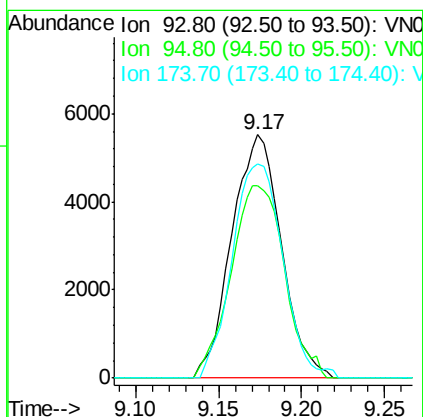
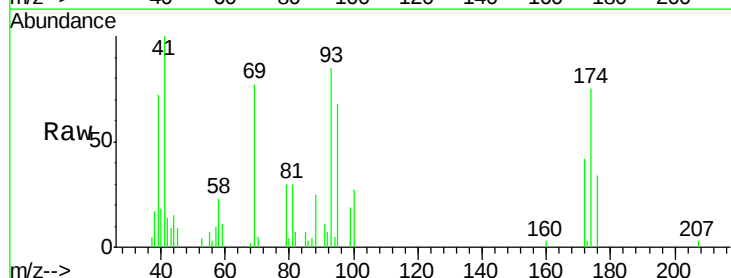
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

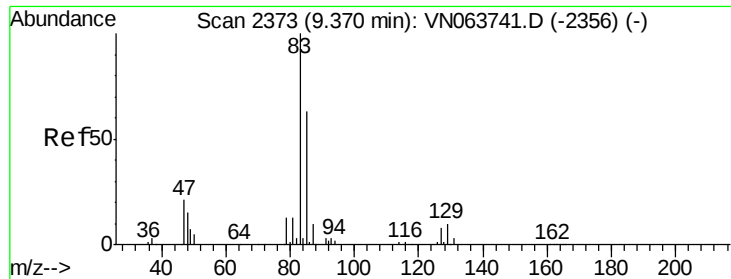
Tgt Ion: 63 Resp: 16730
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.7 37.1



#46
 Dibromomethane
 Concen: 4.800 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 93 Resp: 11464
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.3 99.5
 174 90.1 72.7 109.1

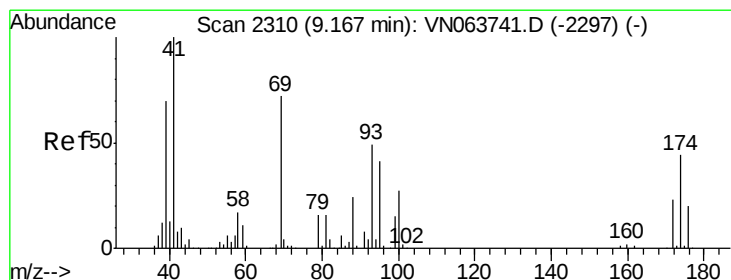
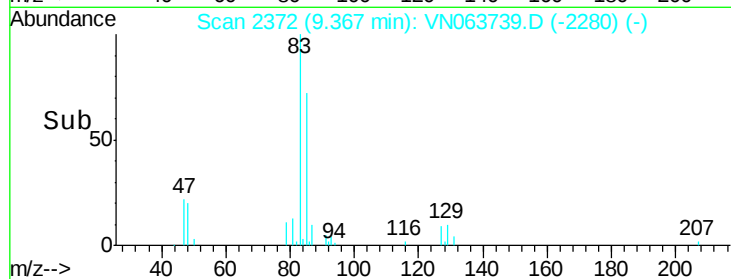
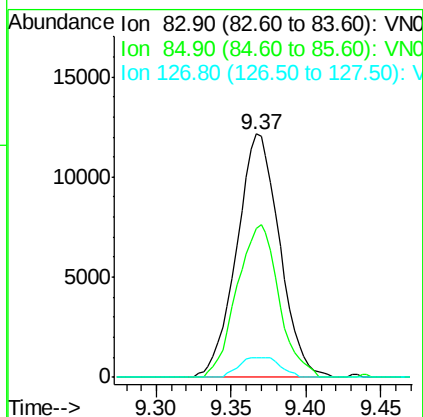
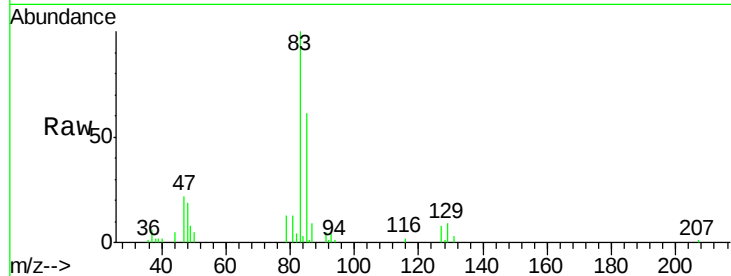




#47
 Bromodichloromethane
 Concen: 4.855 ug/l
 RT: 9.37 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

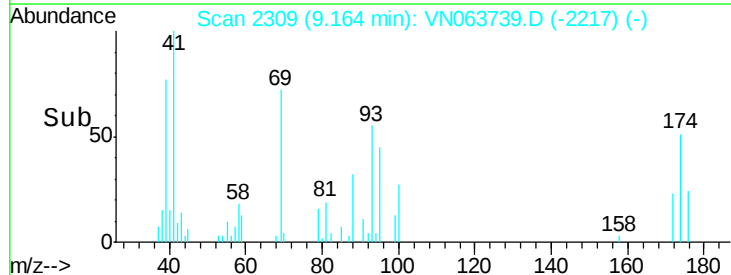
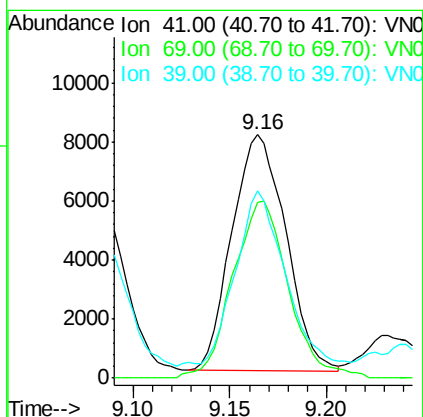
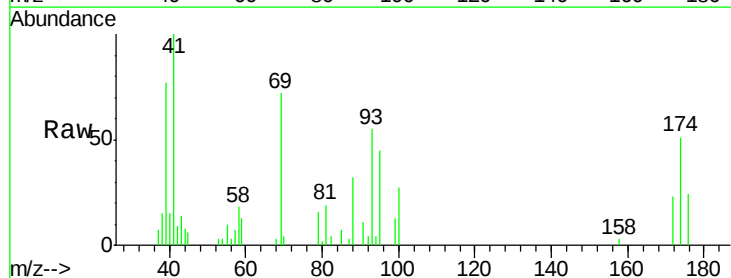
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

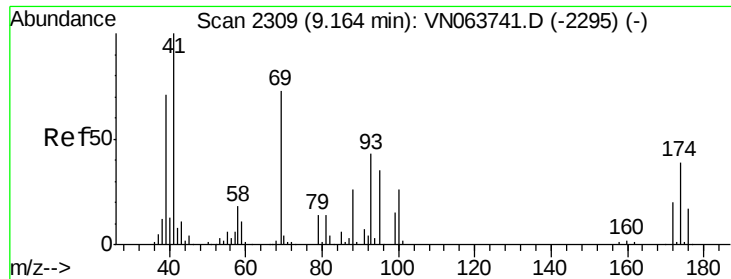
Tgt Ion: 83 Resp: 24210
 Ion Ratio Lower Upper
 83 100
 85 61.2 50.6 75.8
 127 7.8 6.6 9.8



#48
 Methyl methacrylate
 Concen: 3.901 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 41 Resp: 15572
 Ion Ratio Lower Upper
 41 100
 69 77.3 60.9 91.3
 39 77.4 57.5 86.3

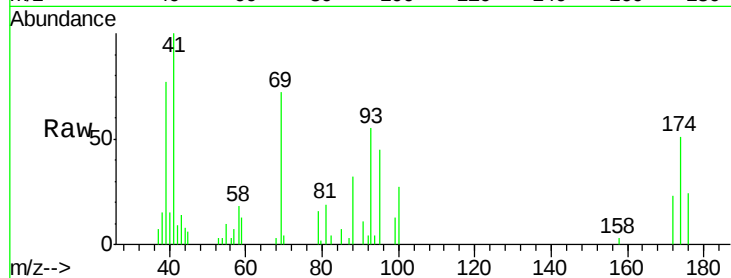




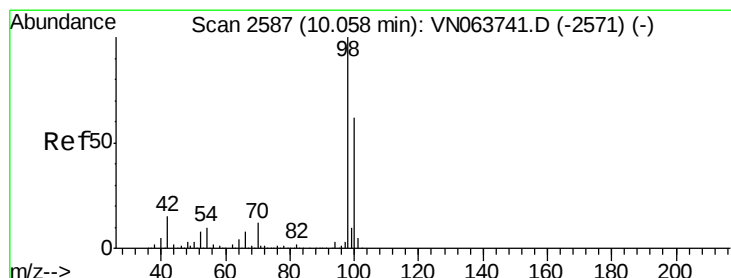
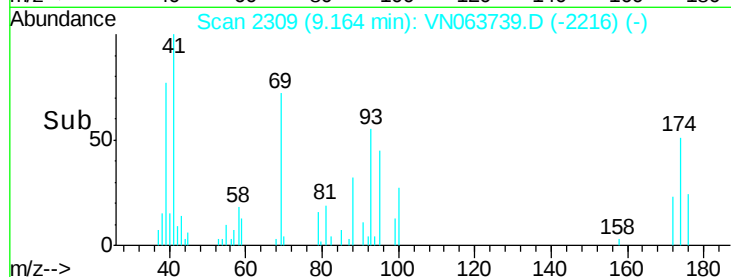
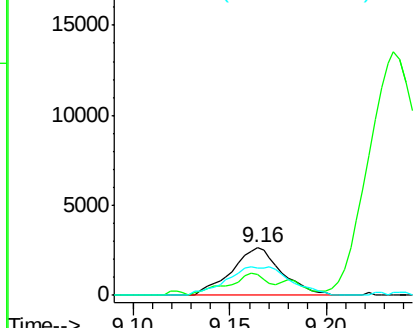
#49
1,4-Dioxane
Concen: 83.133 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 4741
Ion Ratio Lower Upper
88 100
43 37.7 33.1 49.7
58 75.8 58.9 88.3

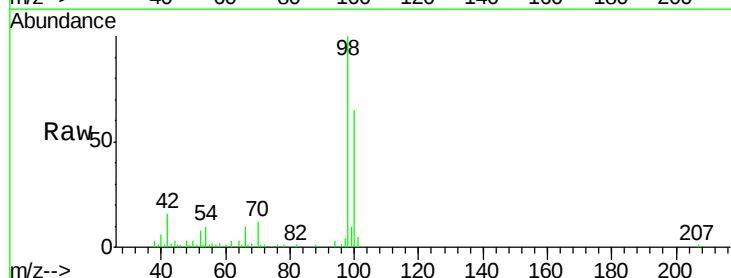


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

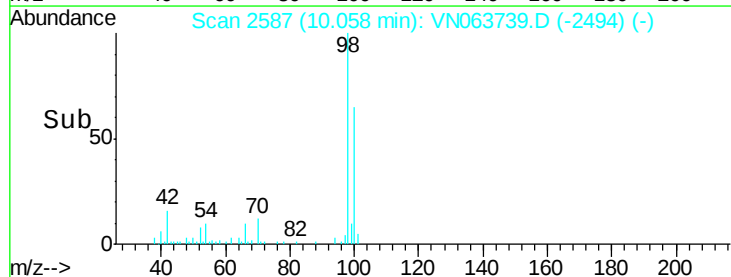
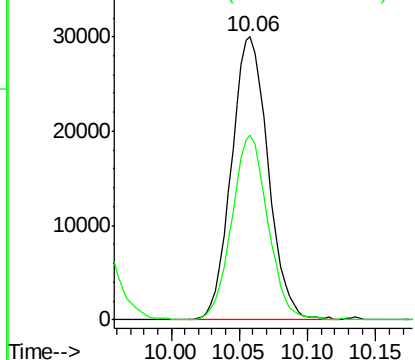


#50
Toluene-d8
Concen: 4.863 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 98 Resp: 56020
Ion Ratio Lower Upper
98 100
100 63.9 49.8 74.6



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

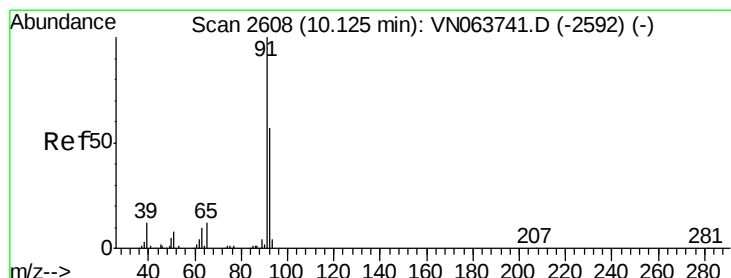
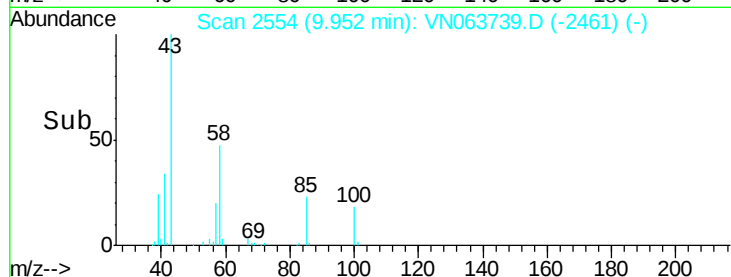
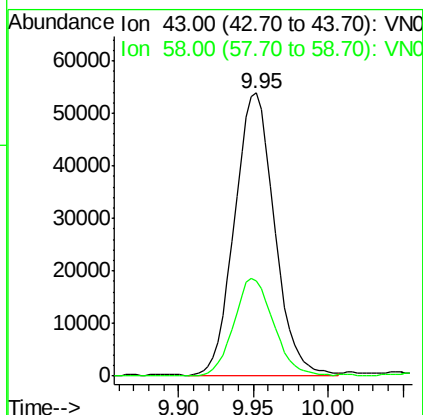
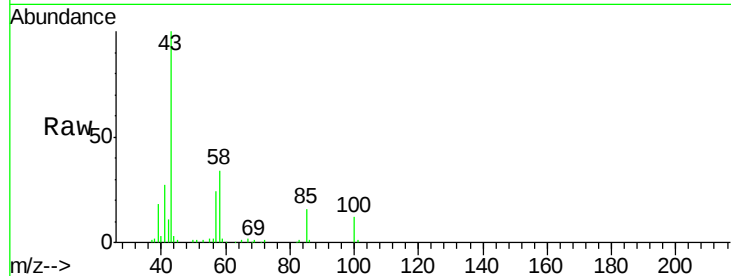




#51
 4-Methyl-2-Pentanone
 Concen: 21.677 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

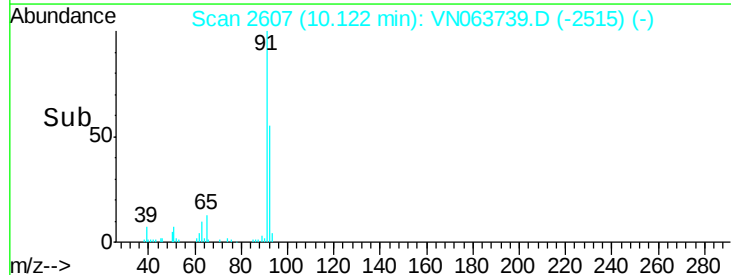
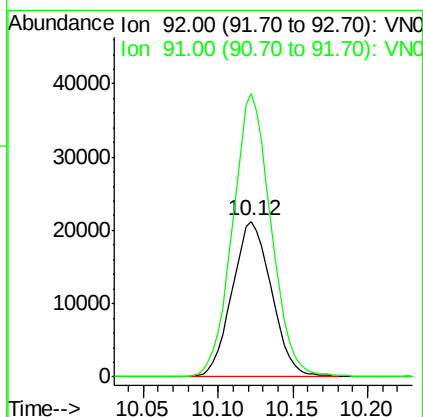
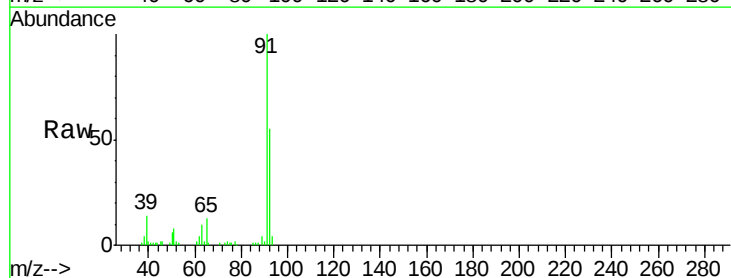
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

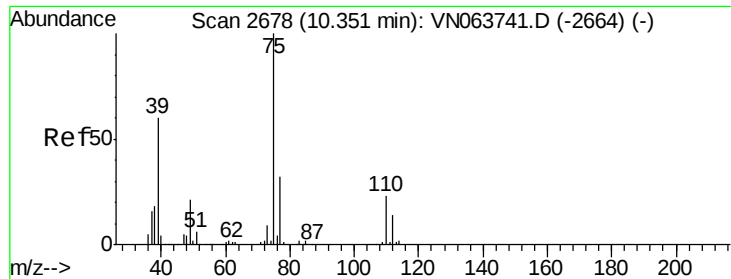
Tgt Ion: 43 Resp: 99767
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.4 42.6



#52
 Toluene
 Concen: 4.849 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 92 Resp: 38912
 Ion Ratio Lower Upper
 92 100
 91 177.7 140.6 210.8

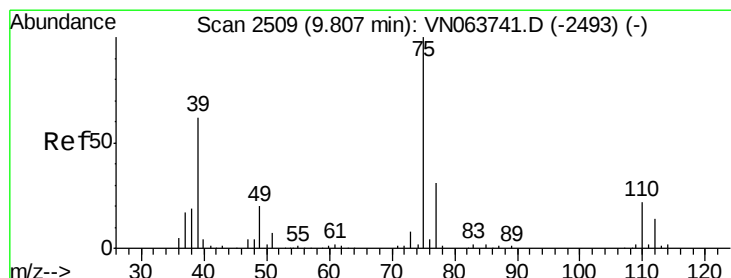
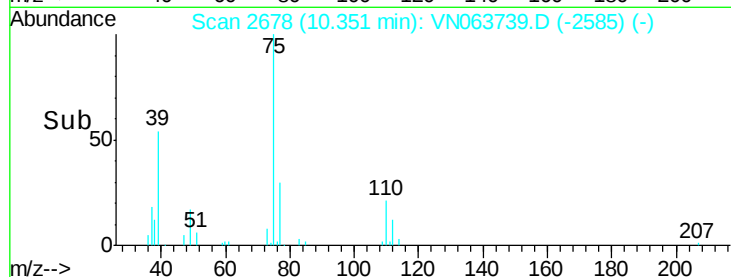
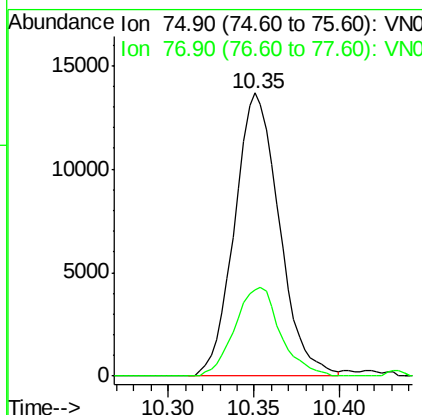
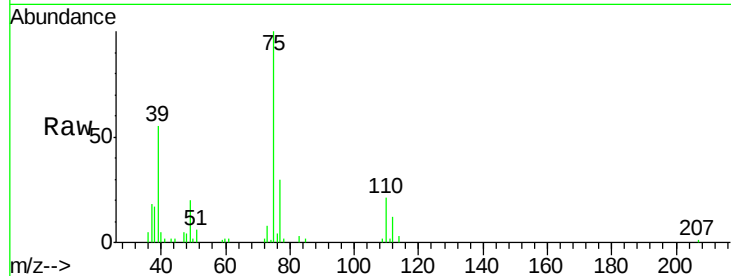




#53
t-1,3-Dichloropropene
Concen: 4.461 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

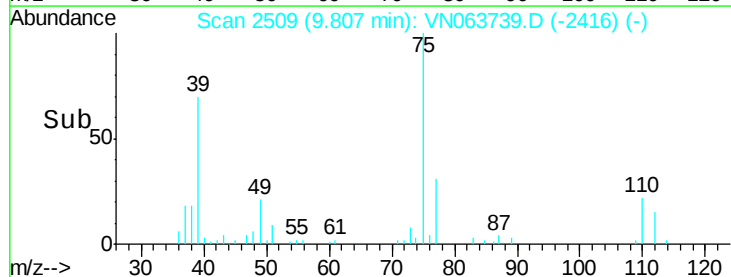
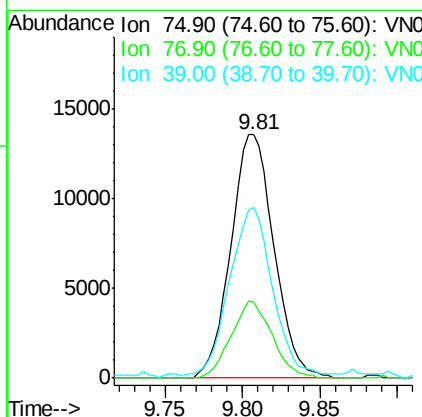
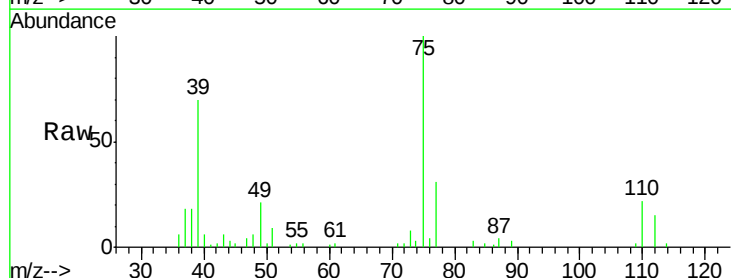
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

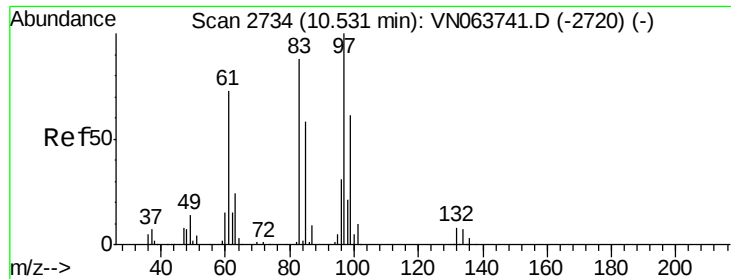
Tgt Ion: 75 Resp: 24690
Ion Ratio Lower Upper
75 100
77 30.5 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 4.515 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 75 Resp: 26273
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 68.3 49.7 74.5

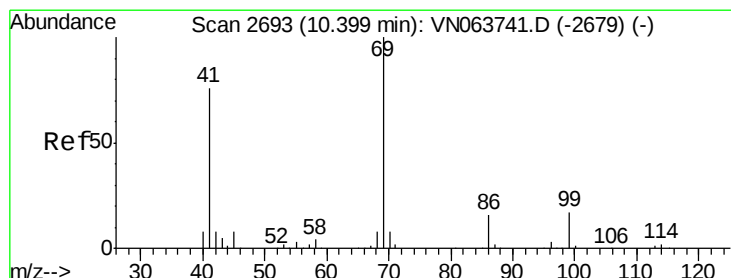
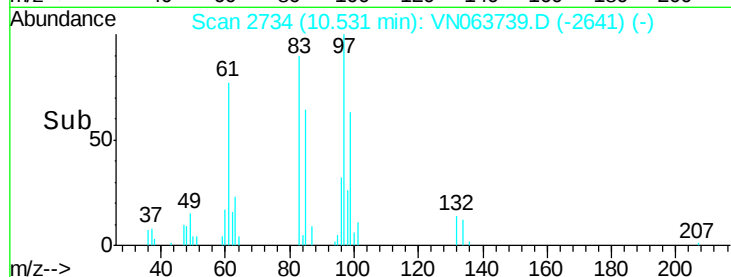
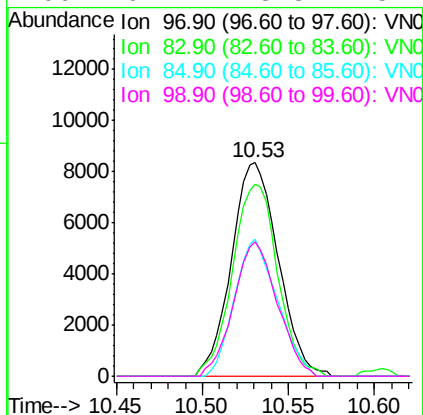
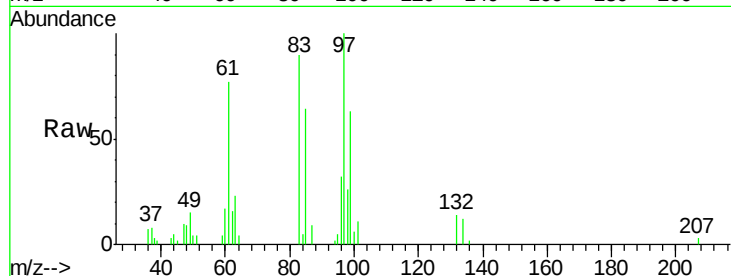




#55
 1,1,2-Trichloroethane
 Concen: 4.952 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

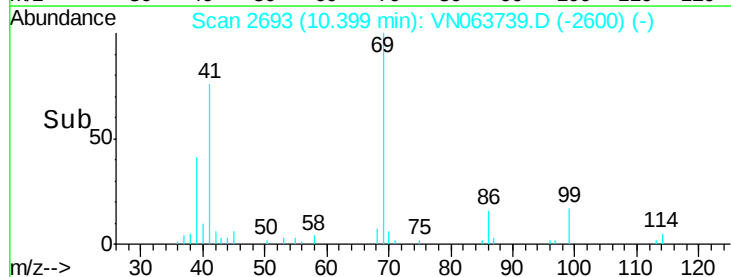
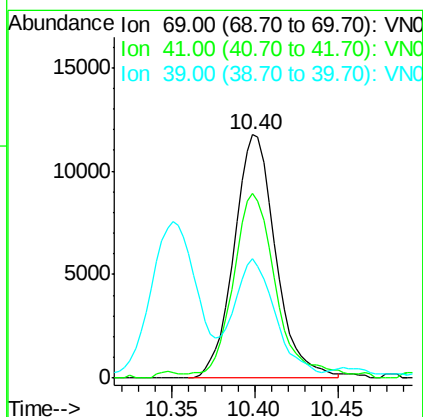
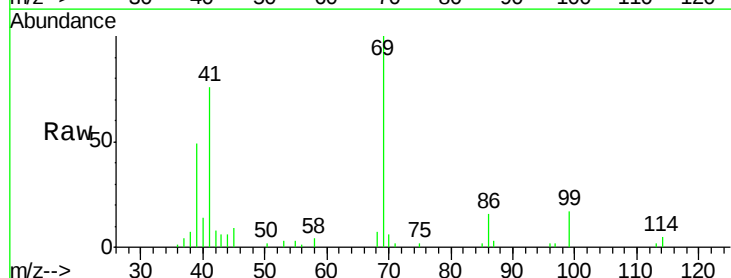
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

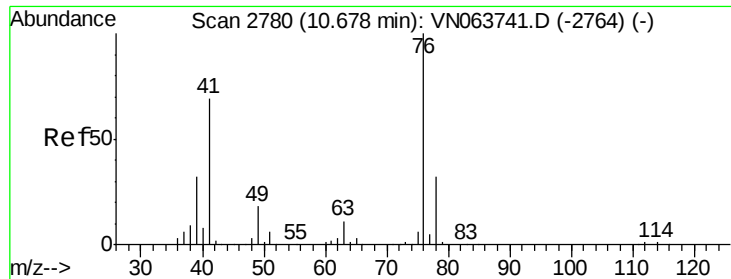
Tgt Ion:	97	Resp:	15869
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.7	106.1
85	63.9	46.1	69.1
99	62.7	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 4.154 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion:	69	Resp:	20561
Ion	Ratio	Lower	Upper
69	100		
41	74.8	61.1	91.7
39	46.5	42.2	63.4

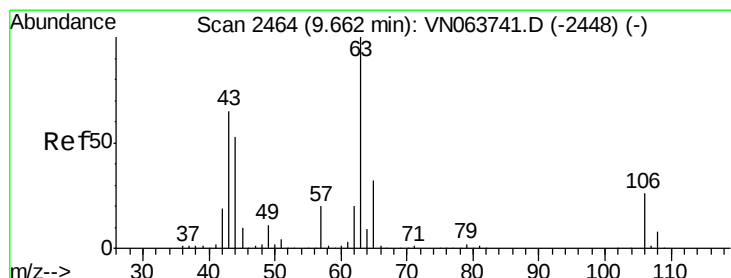
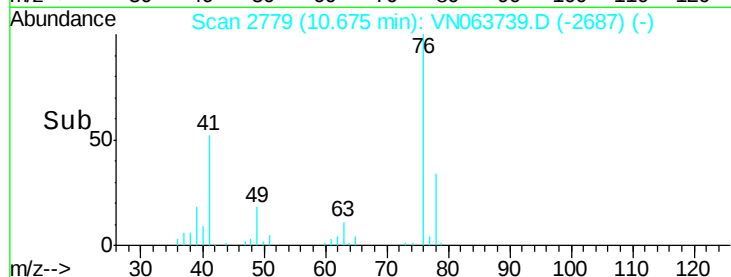
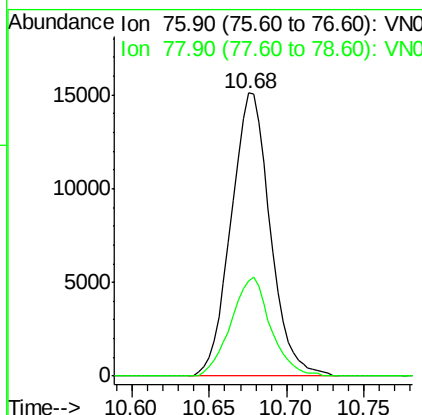
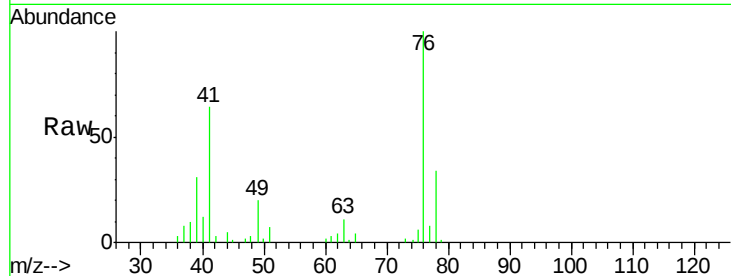




#57
 1,3-Dichloropropane
 Concen: 4.624 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

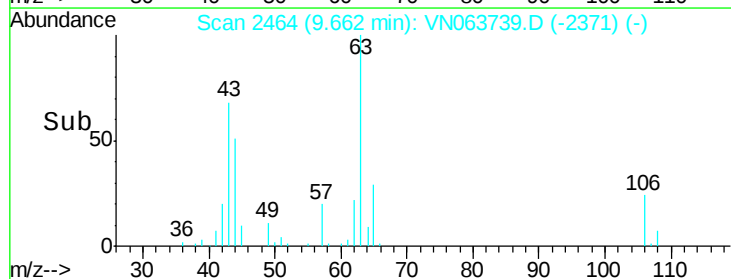
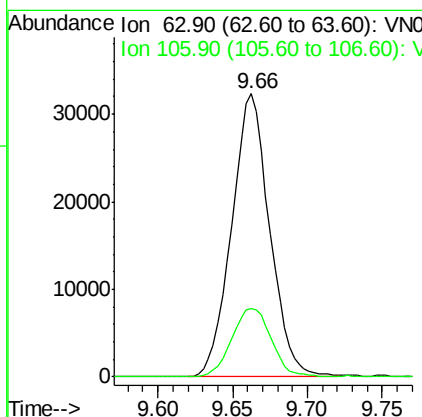
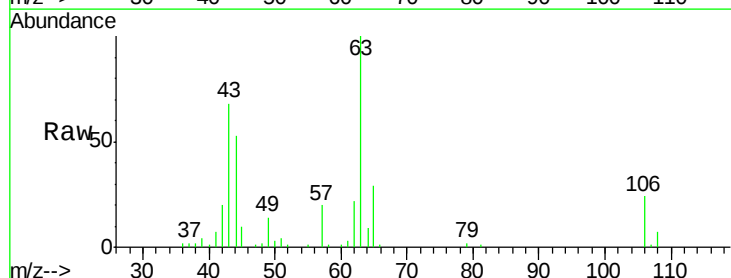
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

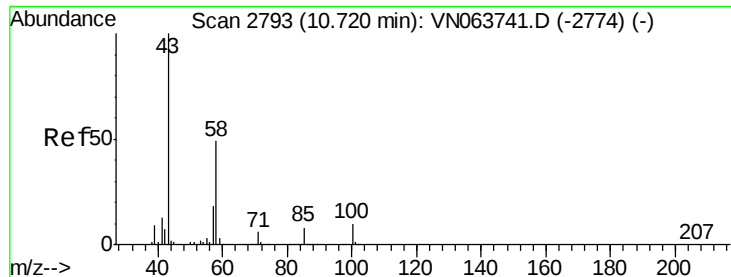
Tgt Ion: 76 Resp: 26561
 Ion Ratio Lower Upper
 76 100
 78 35.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.842 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 63 Resp: 57230
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.7 31.1

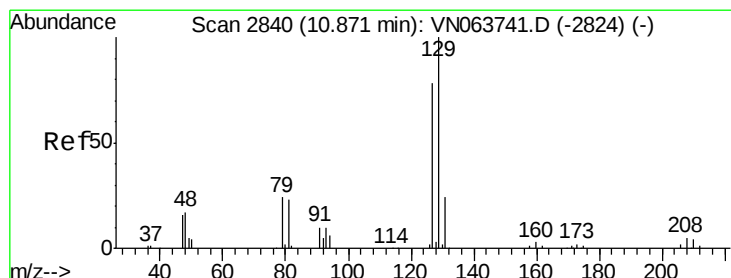
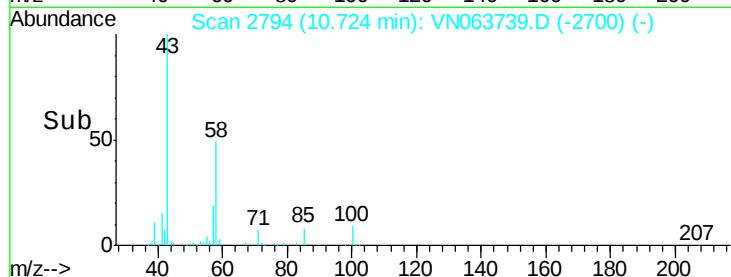
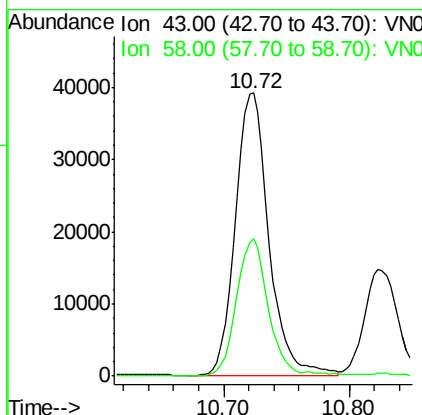
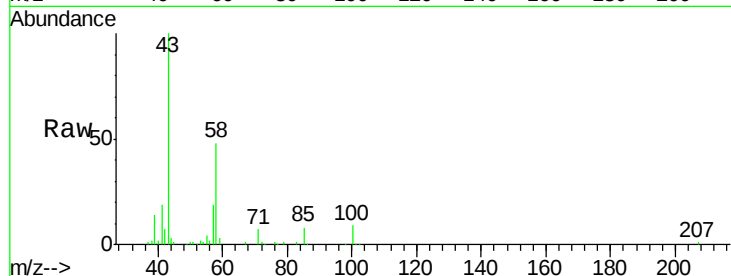




#59
2-Hexanone
Concen: 21.945 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

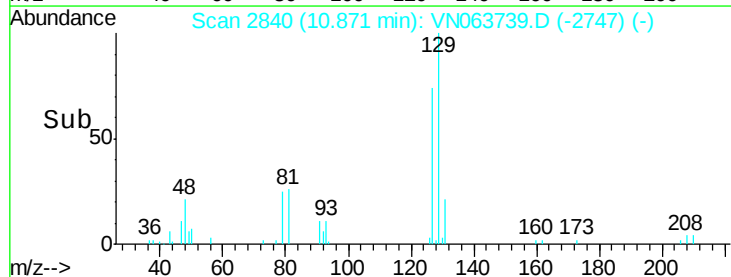
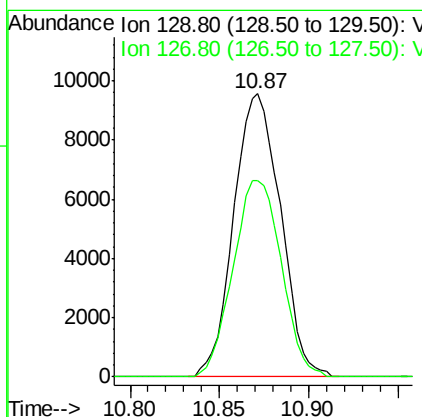
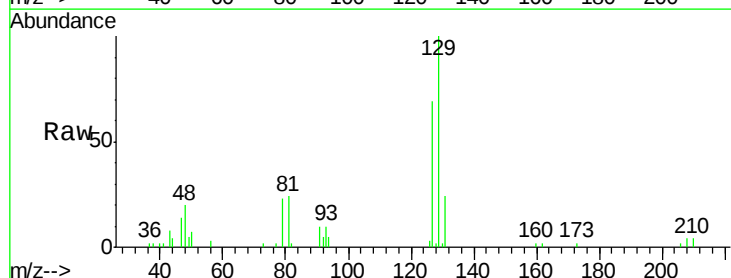
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

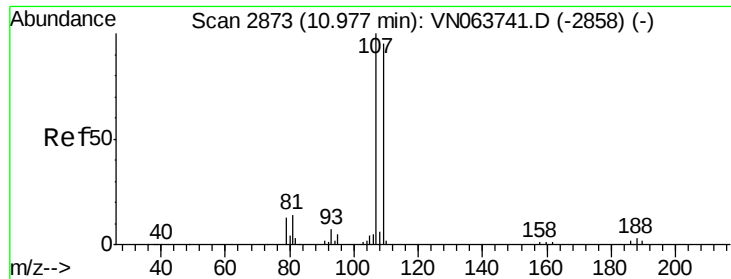
Tgt Ion: 43 Resp: 73204
Ion Ratio Lower Upper
43 100
58 45.0 24.6 73.8



#60
Dibromochloromethane
Concen: 4.832 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 129 Resp: 17513
Ion Ratio Lower Upper
129 100
127 71.7 38.9 116.7

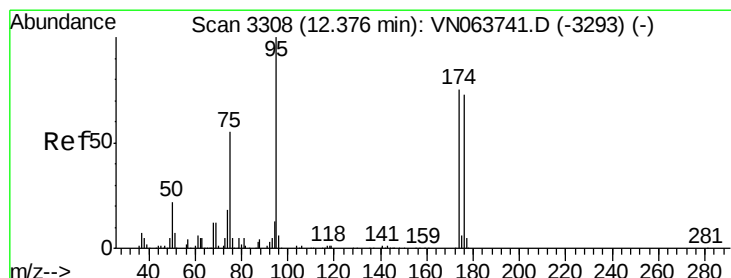
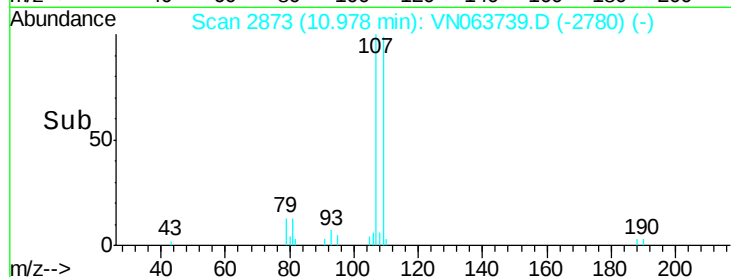
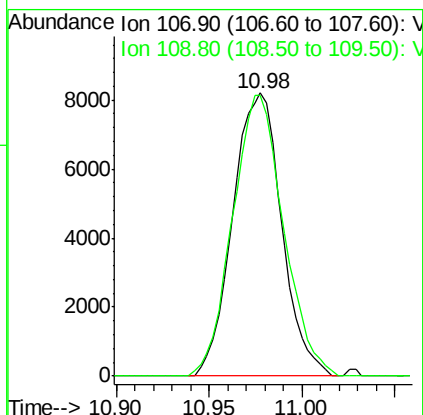
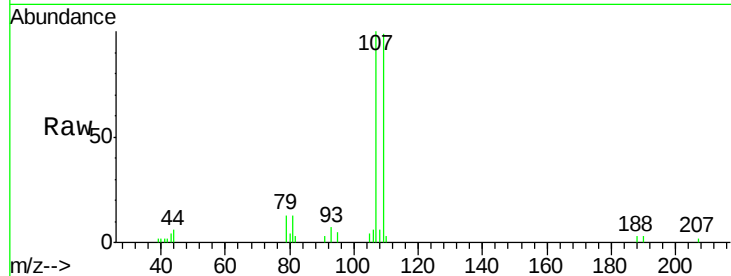




#61
 1,2-Dibromoethane
 Concen: 4.535 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

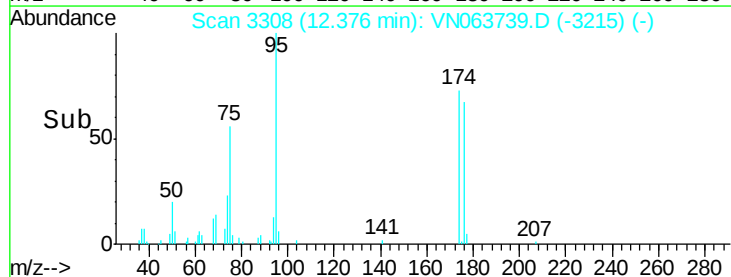
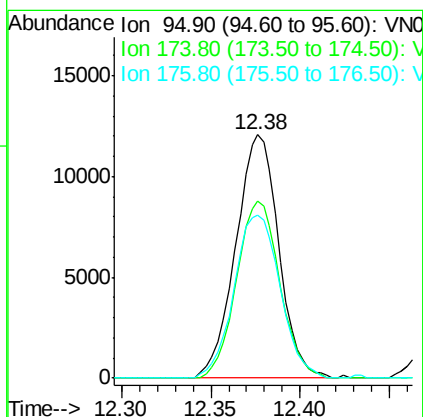
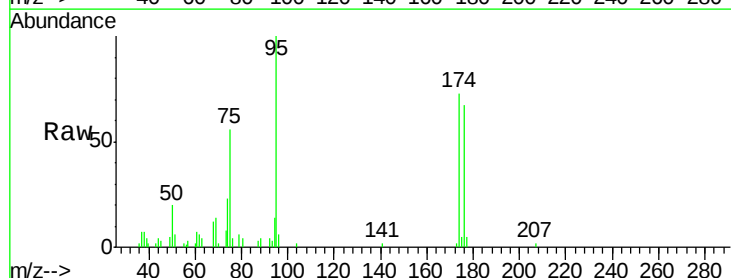
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

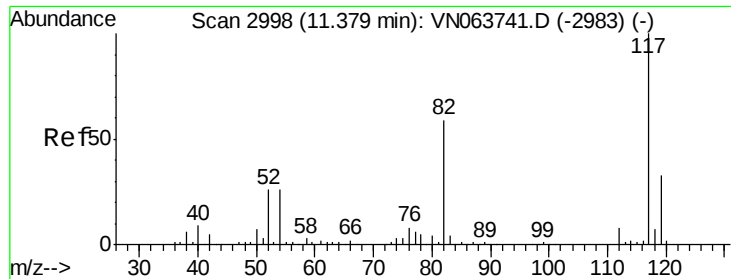
Tgt Ion: 107 Resp: 15079
 Ion Ratio Lower Upper
 107 100
 109 103.4 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 4.747 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 95 Resp: 20177
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 150.6
 176 71.9 0.0 145.4

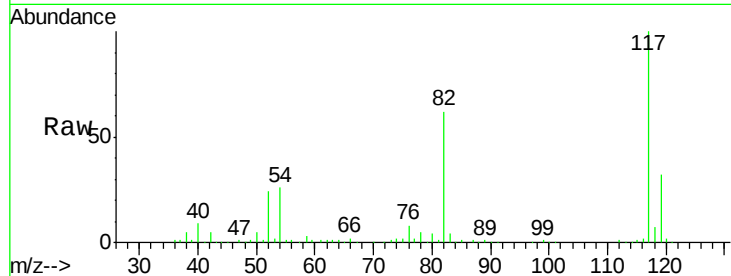




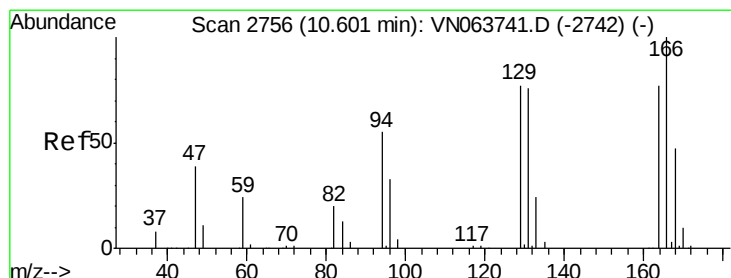
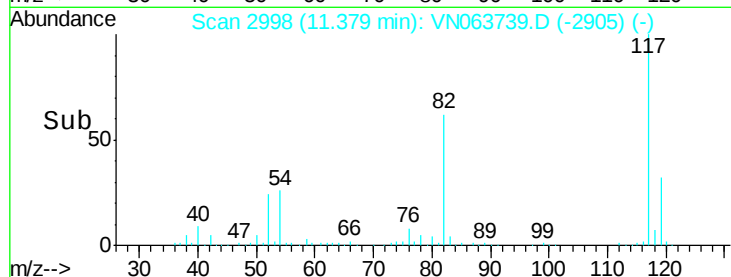
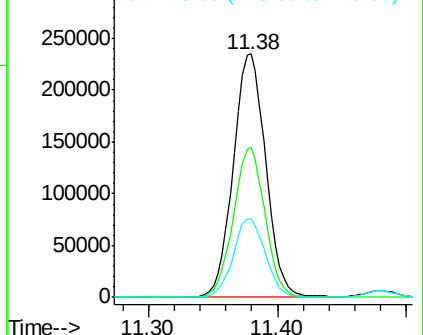
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 411165
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 32.3 26.4 39.6

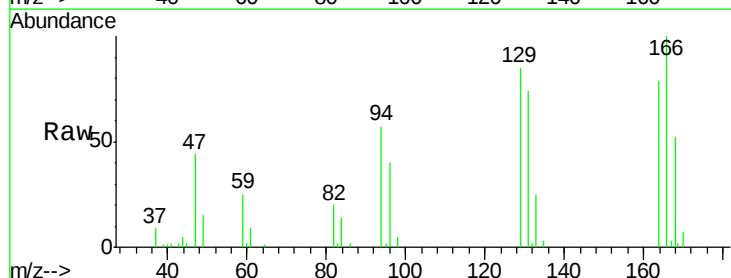


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

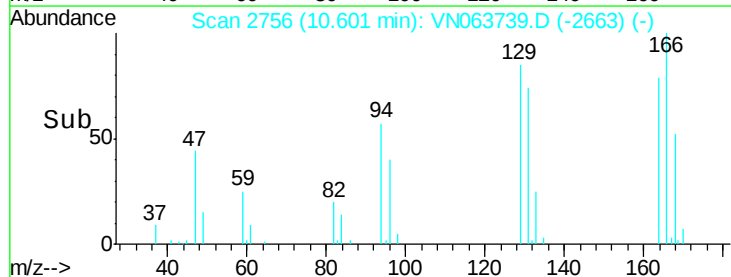
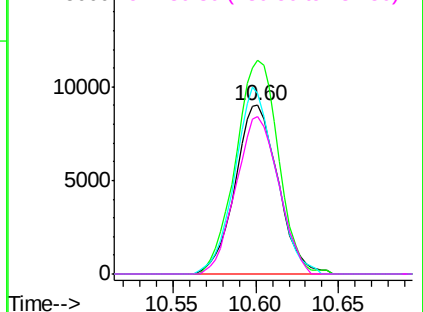


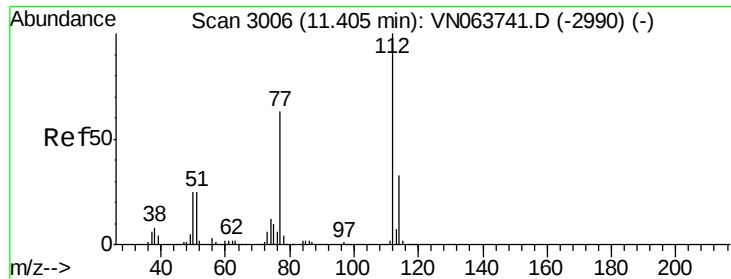
#64
Tetrachloroethene
Concen: 5.725 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion:164 Resp: 16155
Ion Ratio Lower Upper
164 100
166 126.7 103.9 155.9
129 107.3 80.3 120.5
131 93.6 78.9 118.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 5.042 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampled :

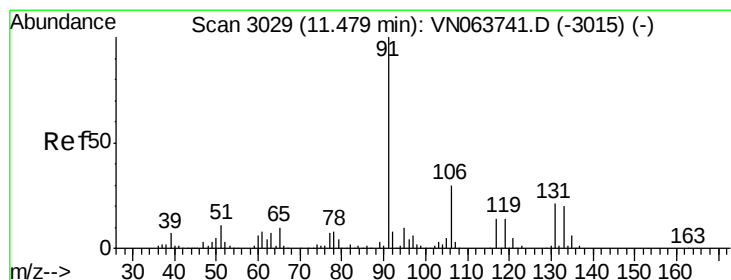
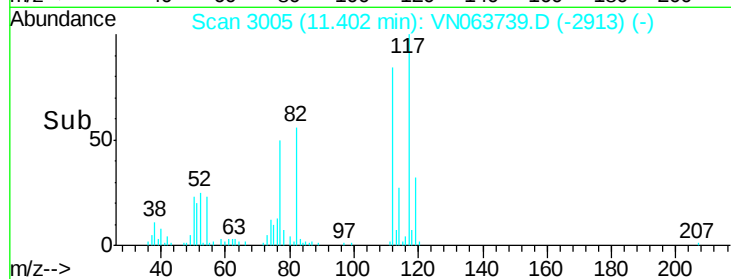
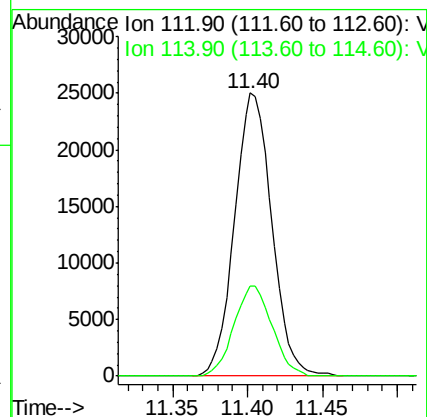
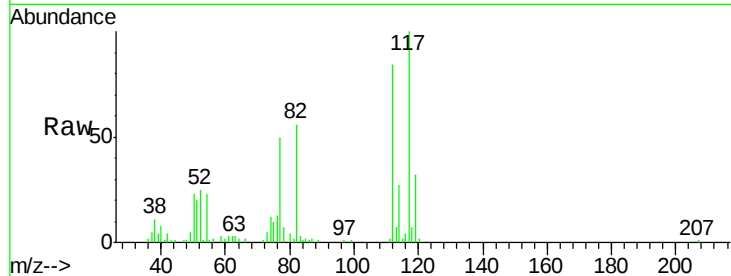
VSTDIC005

Tgt Ion:112 Resp: 43402

Ion Ratio Lower Upper

112 100

114 31.7 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 4.801 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

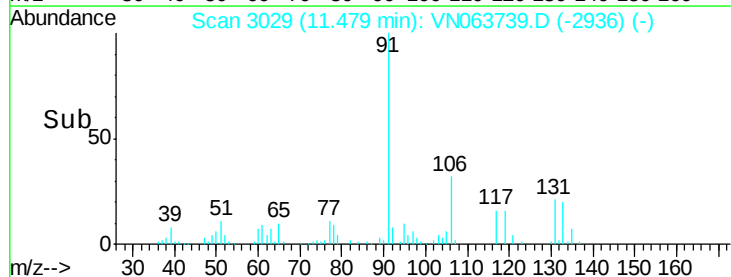
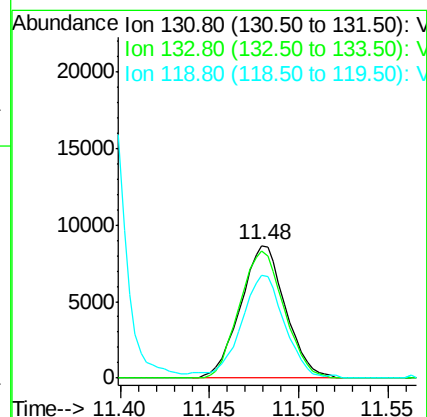
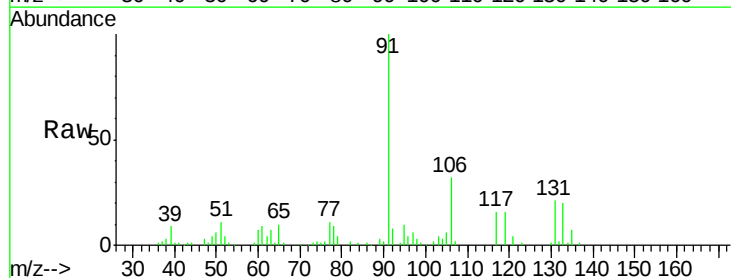
Tgt Ion:131 Resp: 15279

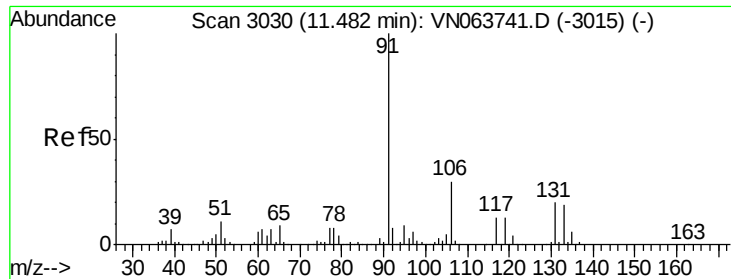
Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.8

119 74.8 32.6 97.7

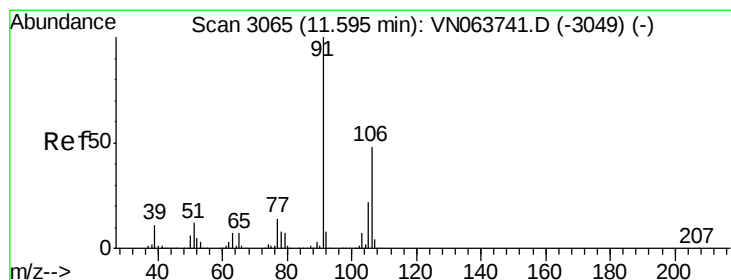
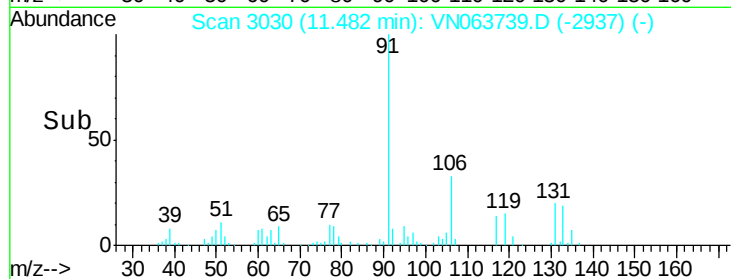
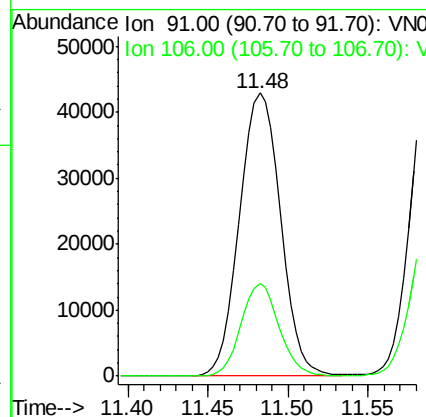
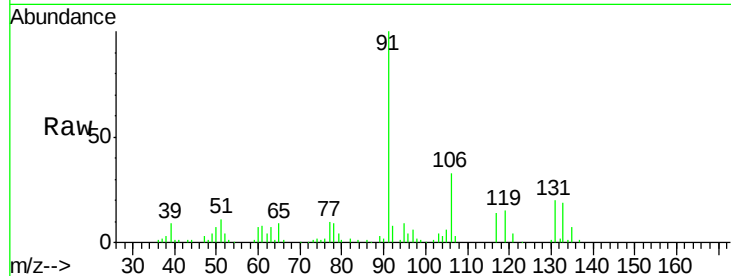




#67
Ethyl Benzene
Concen: 4.646 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

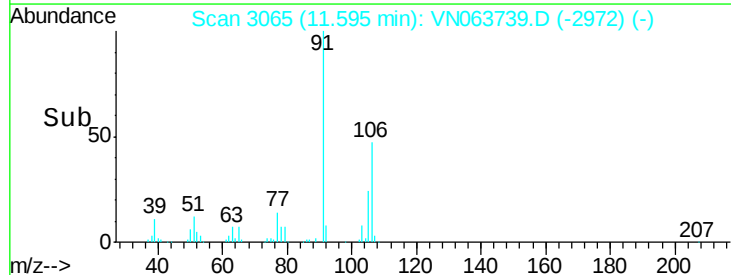
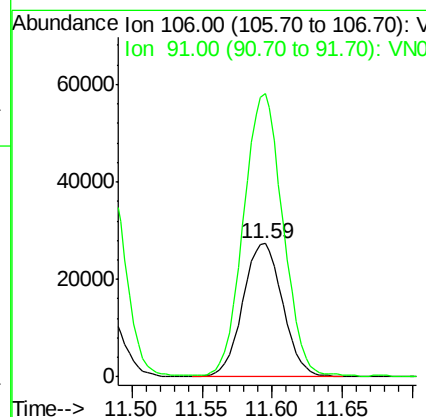
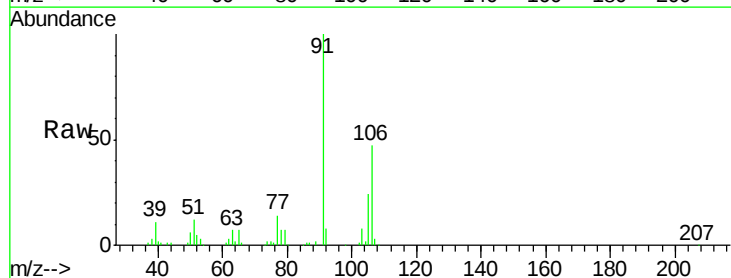
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

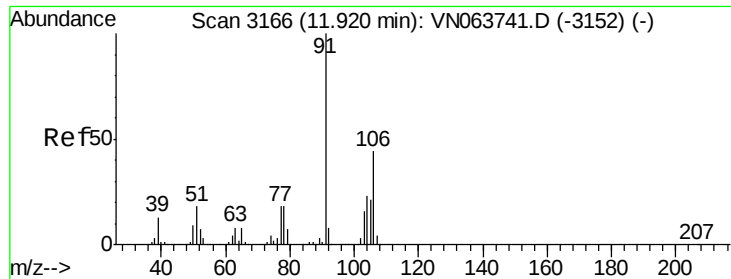
Tgt Ion: 91 Resp: 75319
Ion Ratio Lower Upper
91 100
106 32.5 24.2 36.2



#68
m/p-Xylenes
Concen: 9.267 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 106 Resp: 54312
Ion Ratio Lower Upper
106 100
91 208.7 168.0 252.0

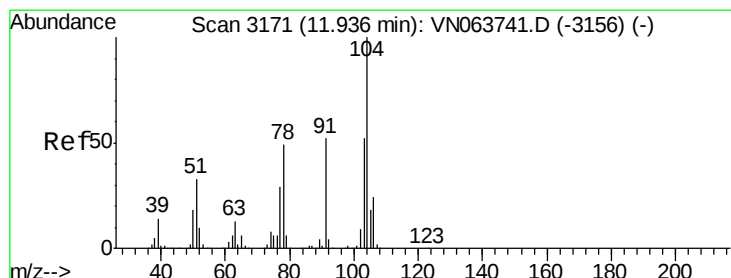
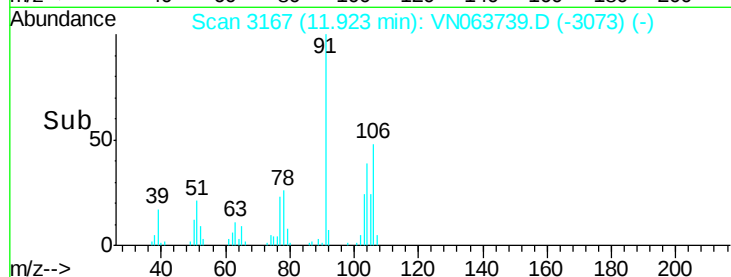
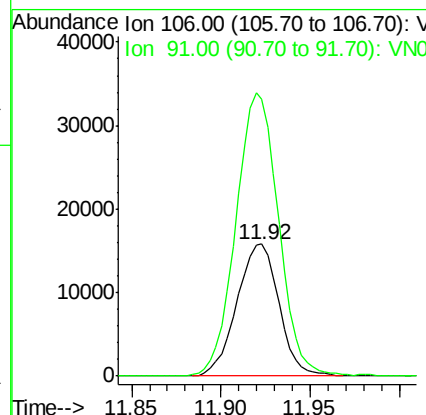
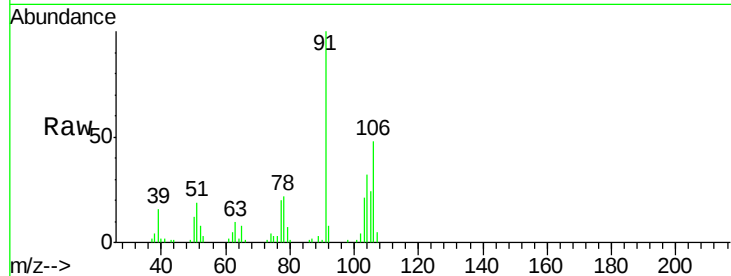




#69
o-Xylene
Concen: 4.654 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

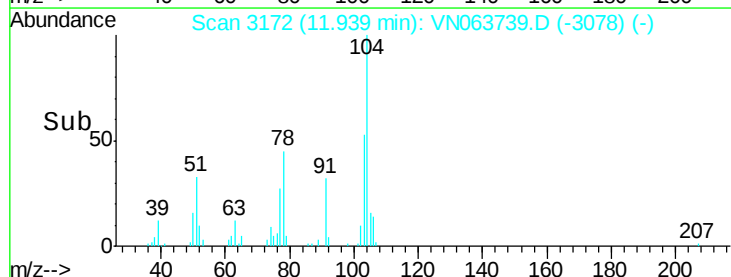
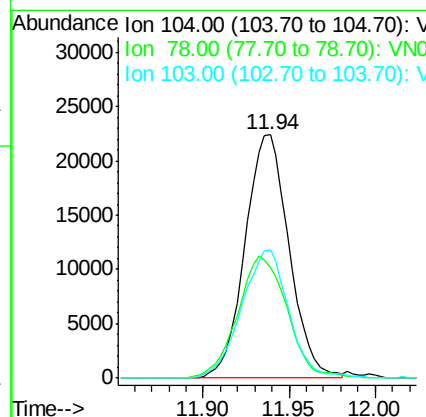
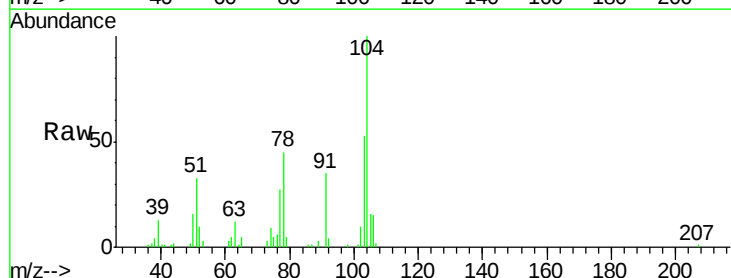
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 25907
Ion Ratio Lower Upper
106 100
91 217.4 112.7 338.0



#70
Styrene
Concen: 4.253 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion:104 Resp: 39713
Ion Ratio Lower Upper
104 100
78 56.4 44.1 66.1
103 56.7 44.3 66.5





#71

Bromoform

Concen: 4.550 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

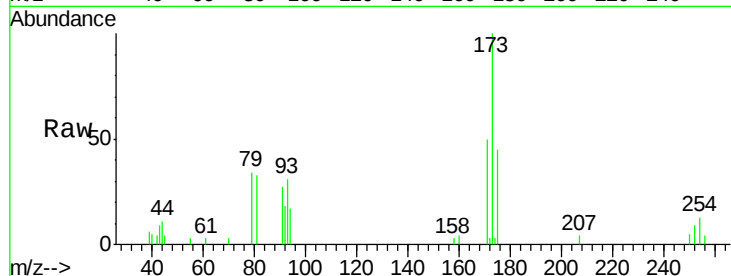
Tgt Ion:173 Resp: 10819

Ion Ratio Lower Upper

173 100

175 46.9 23.5 70.5

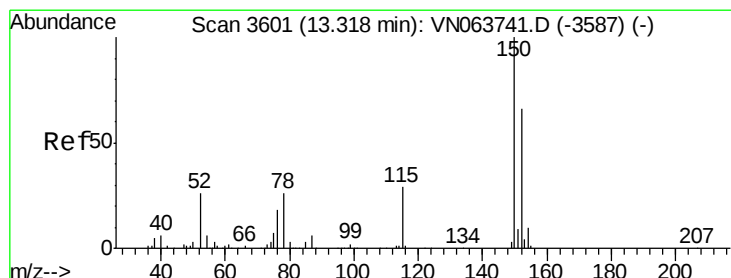
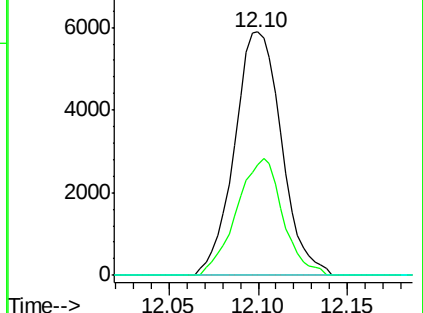
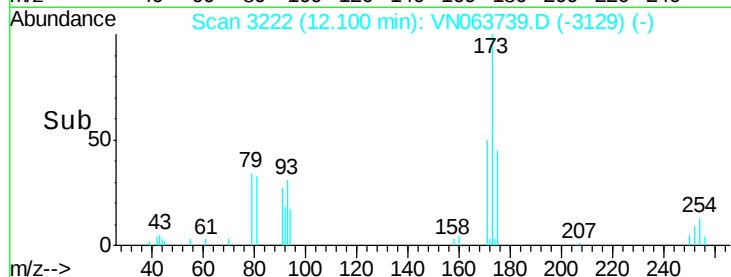
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

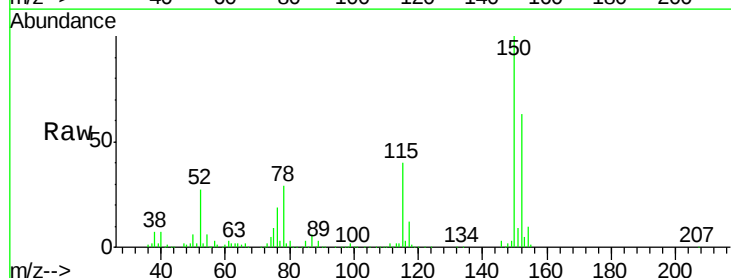
Tgt Ion:152 Resp: 186737

Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.8

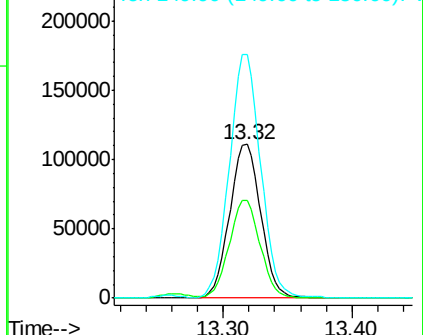
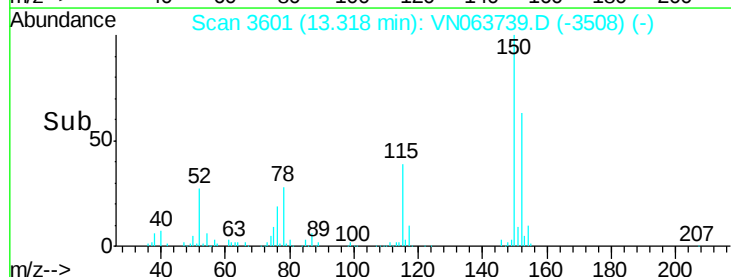
150 157.2 0.0 341.8

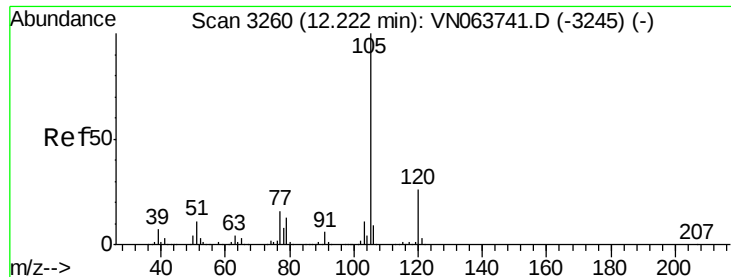


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.630 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

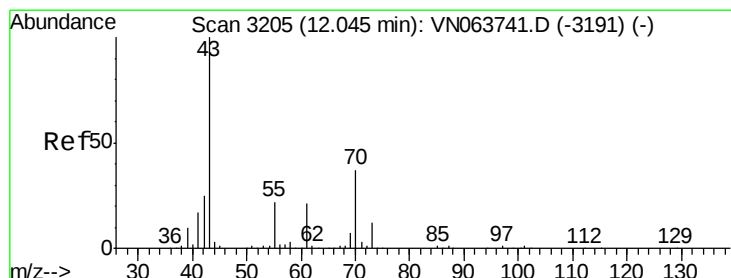
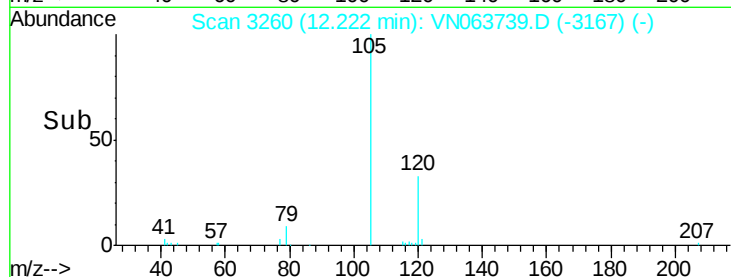
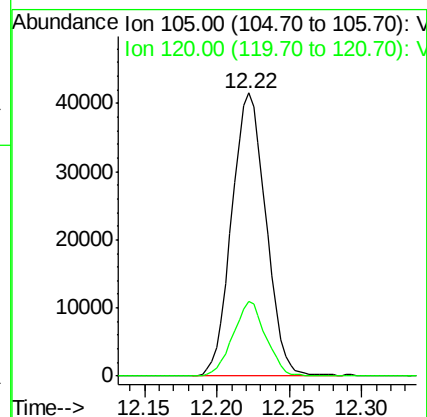
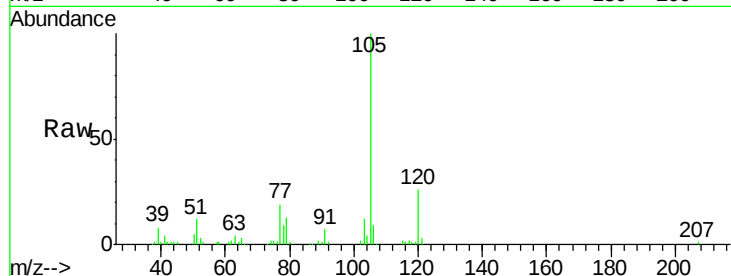
VSTDIC005

Tgt Ion: 105 Resp: 68166

Ion Ratio Lower Upper

105 100

120 25.2 12.6 37.8



#74

N-ethyl acetate

Concen: 3.579 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Tgt Ion: 43 Resp: 24661

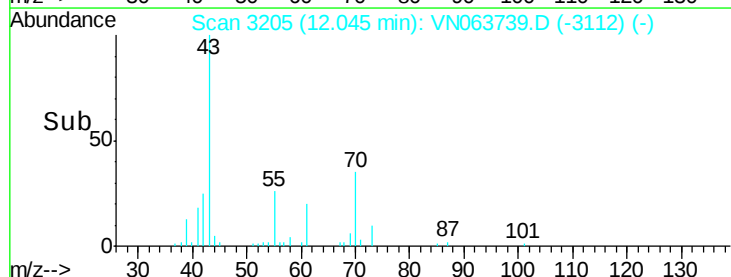
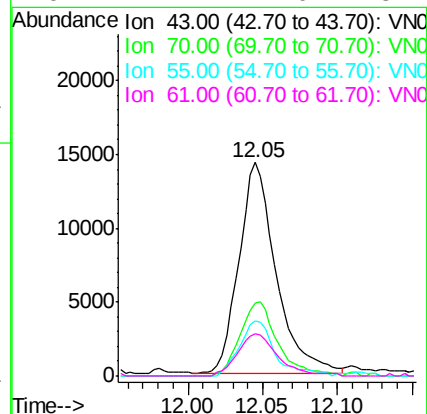
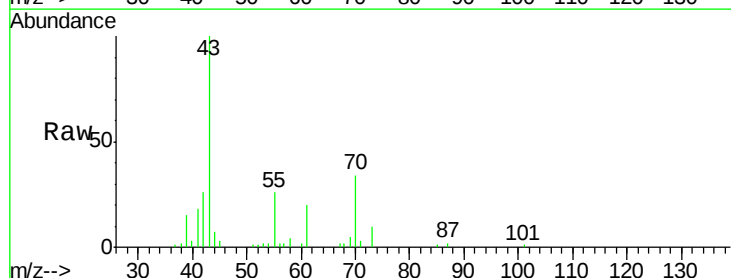
Ion Ratio Lower Upper

43 100

70 35.6 29.8 44.8

55 25.1 17.9 26.9

61 21.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.757 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

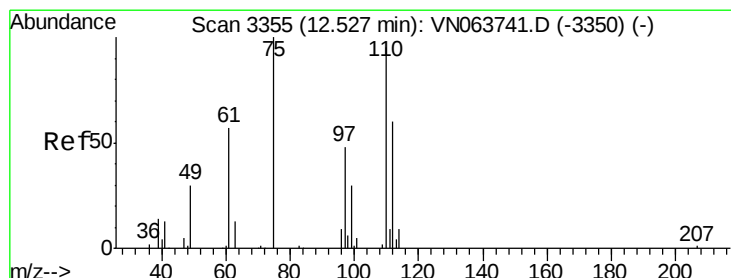
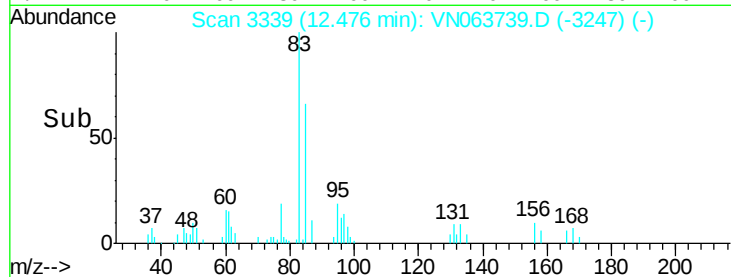
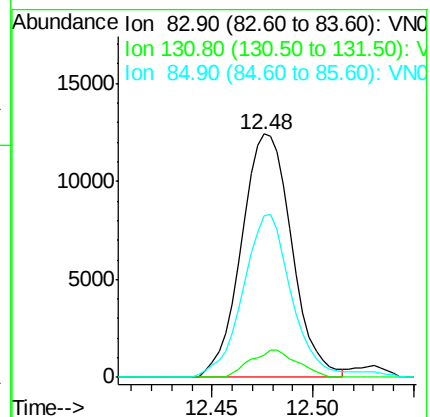
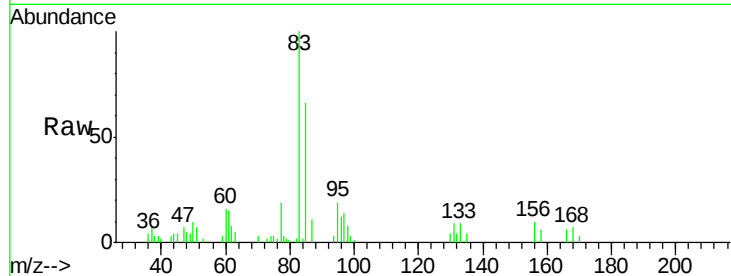
Tgt Ion: 83 Resp: 21684

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

85 64.5 31.3 93.8



#76

1,2,3-Trichloropropane

Concen: 6.378 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063739.D

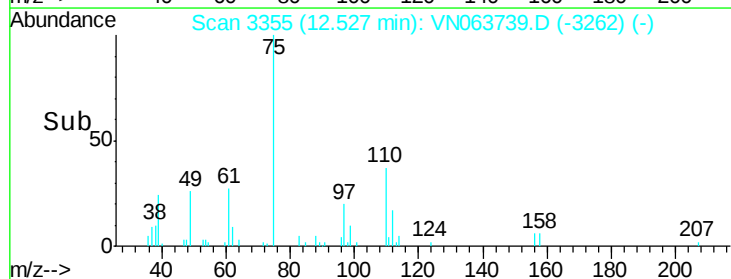
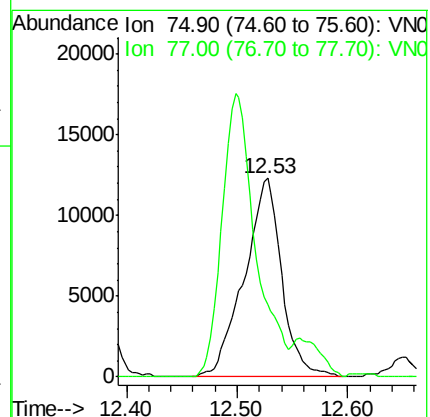
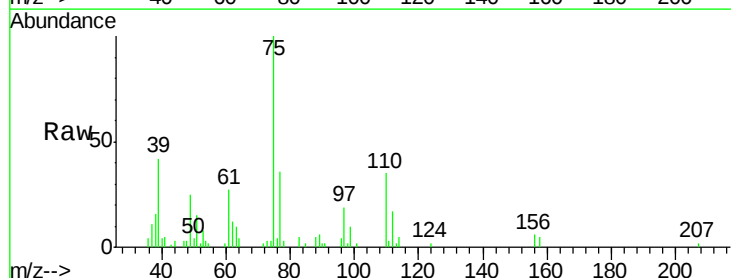
Acq: 30 Sep 2020 10:25

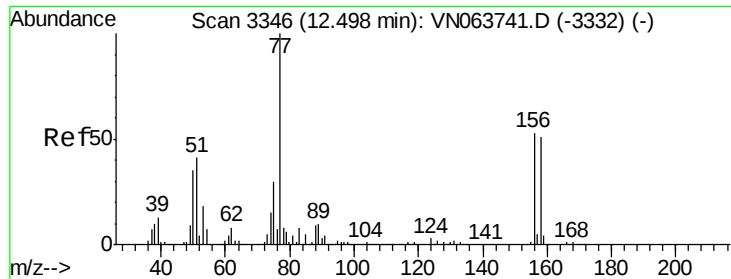
Tgt Ion: 75 Resp: 28986

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

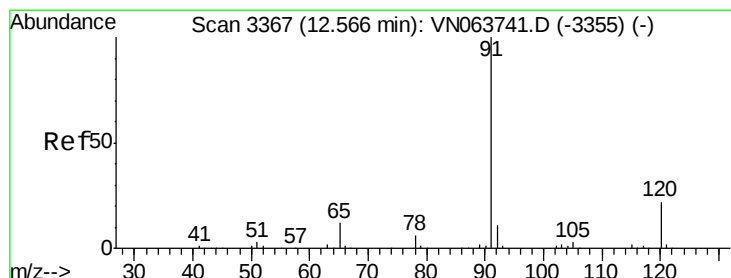
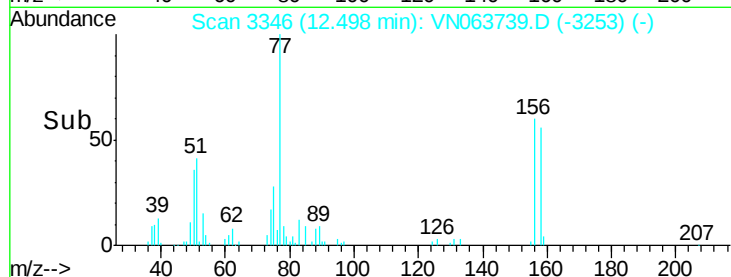
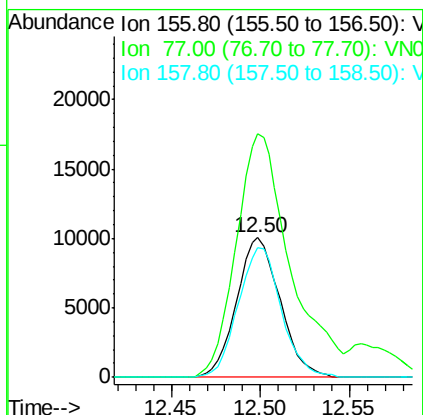
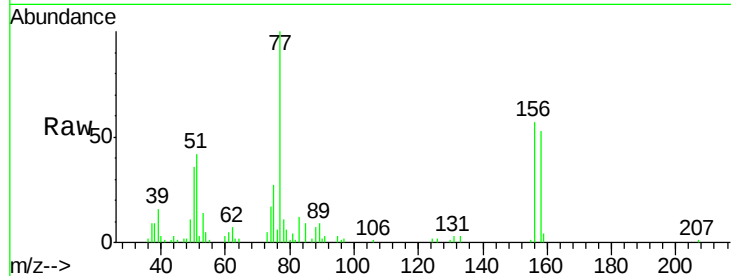




#77
Bromobenzene
Concen: 5.125 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

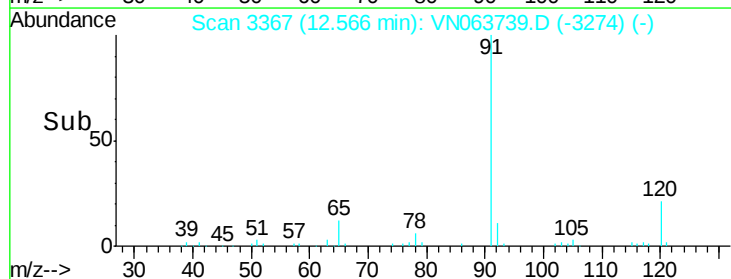
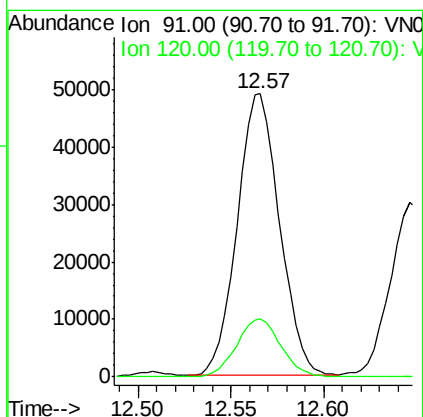
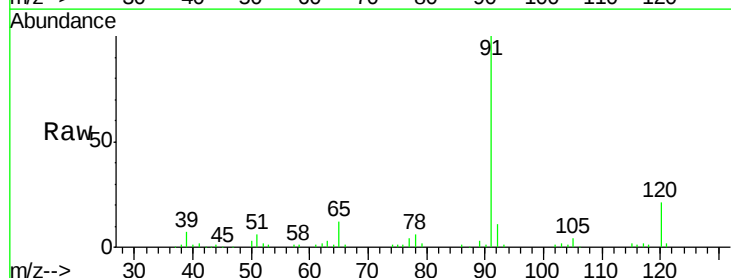
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

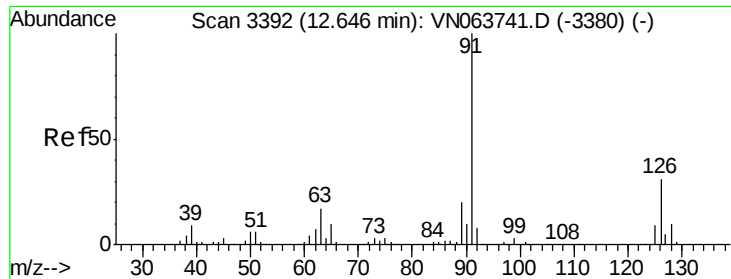
Tgt Ion:156 Resp: 17146
Ion Ratio Lower Upper
156 100
77 216.2 110.9 332.7
158 92.1 47.7 143.1



#78
n-propylbenzene
Concen: 4.533 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion: 91 Resp: 77567
Ion Ratio Lower Upper
91 100
120 21.4 11.1 33.1

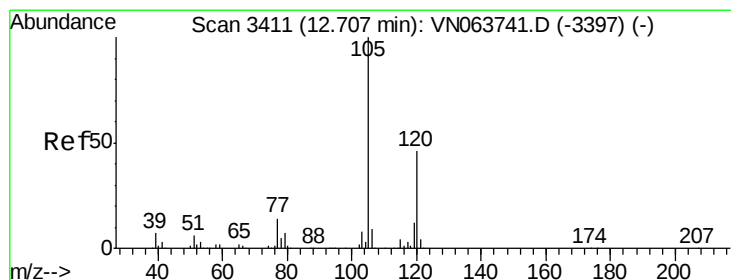
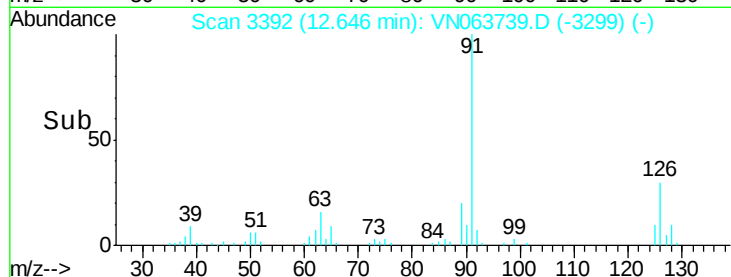
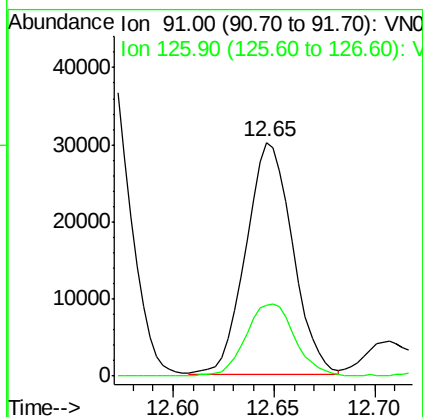
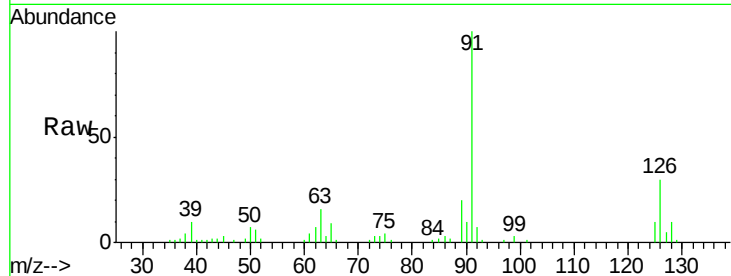




#79
 2-Chlorotoluene
 Concen: 4.712 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

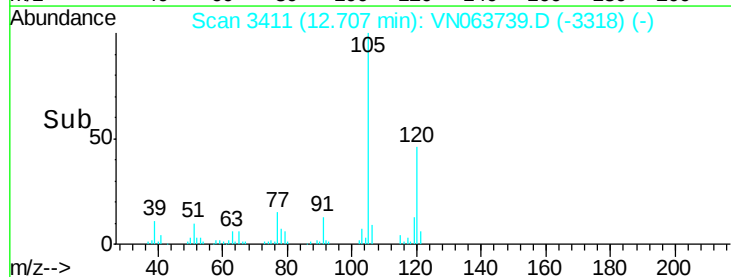
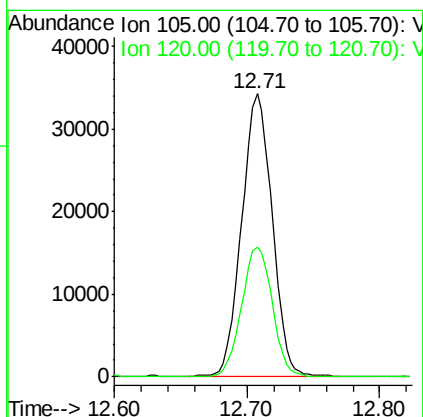
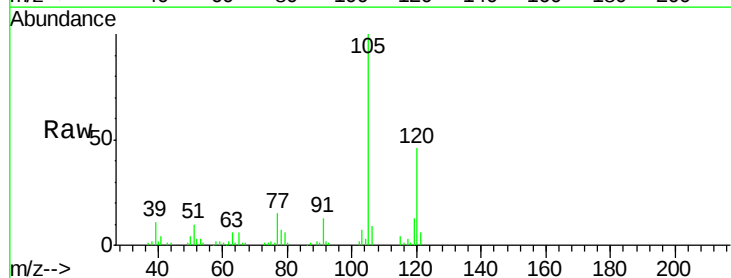
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

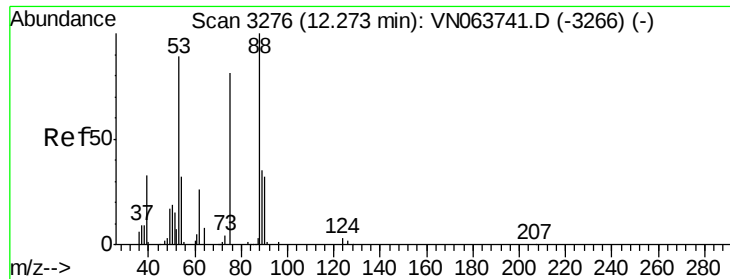
Tgt Ion: 91 Resp: 48461
 Ion Ratio Lower Upper
 91 100
 126 32.9 15.9 47.7



#80
 1,3,5-Trimethylbenzene
 Concen: 4.492 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 105 Resp: 55006
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 3.643 ug/l

RT: 12.27 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

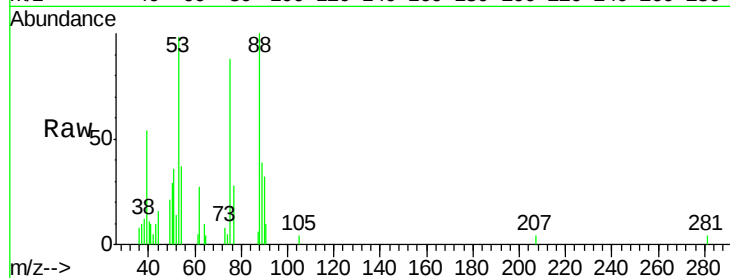
Tgt Ion: 75 Resp: 6005

Ion Ratio Lower Upper

75 100

53 136.2 88.2 132.2#

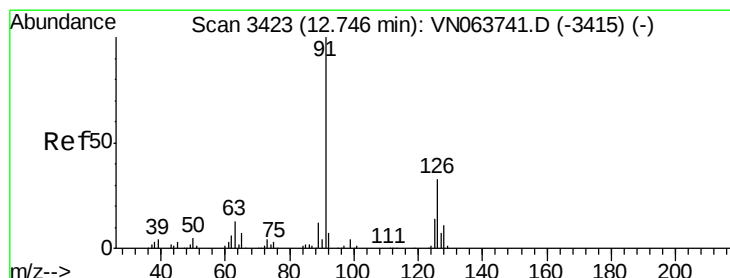
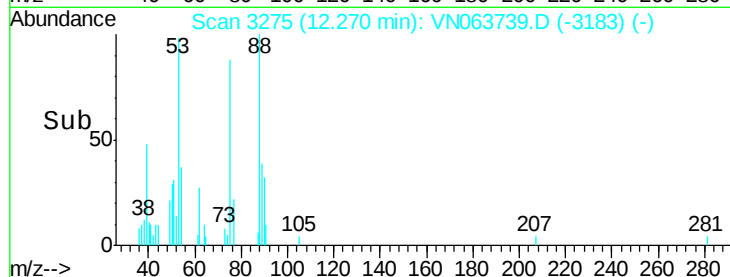
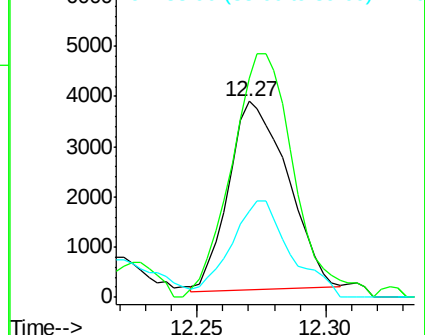
89 51.5 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 4.475 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN063739.D

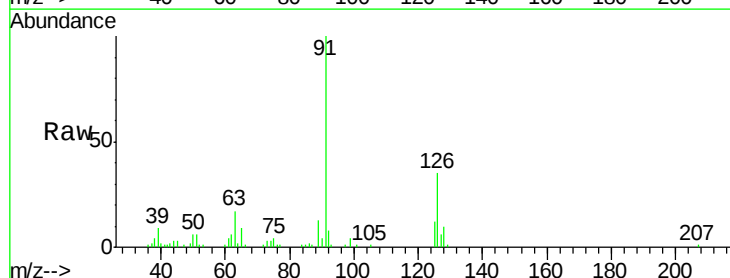
Acq: 30 Sep 2020 10:25

Tgt Ion: 91 Resp: 48687

Ion Ratio Lower Upper

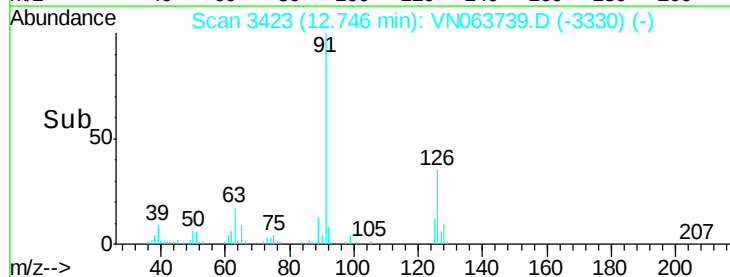
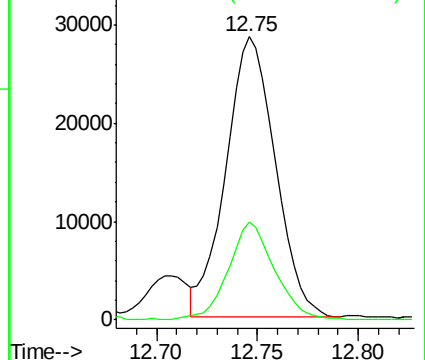
91 100

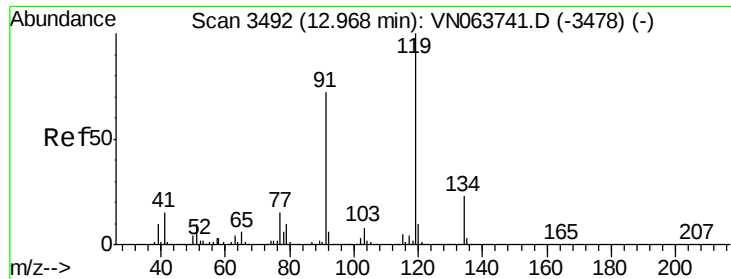
126 32.6 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

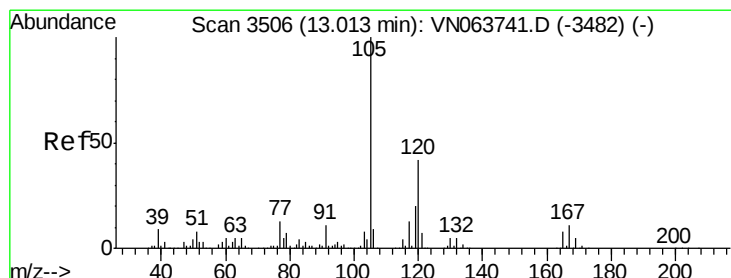
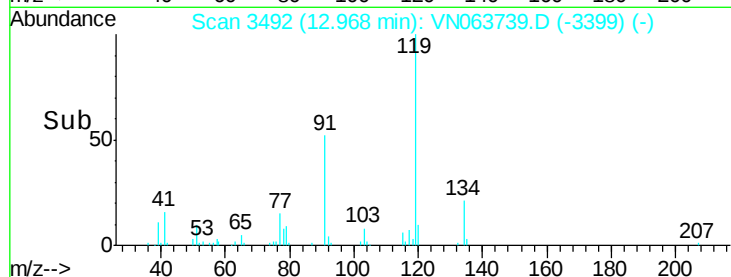
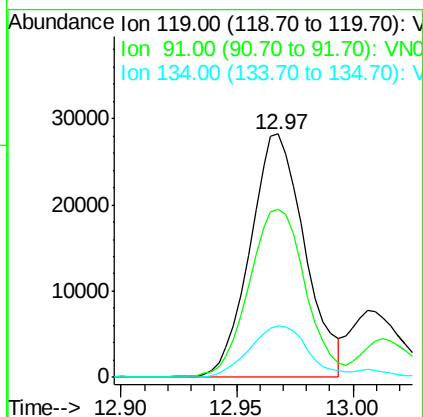
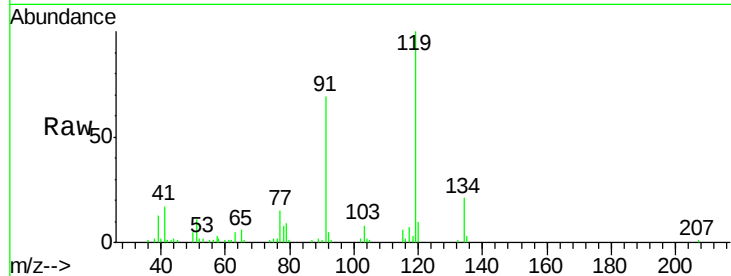




#83
 tert-Butylbenzene
 Concen: 4.590 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

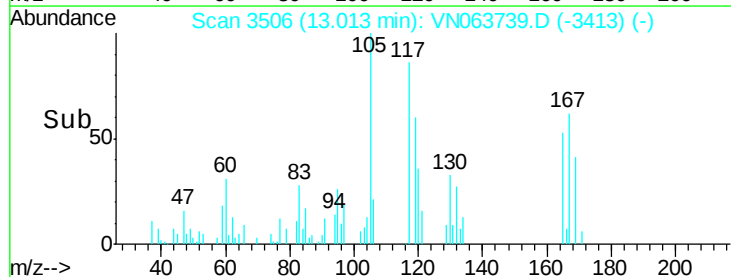
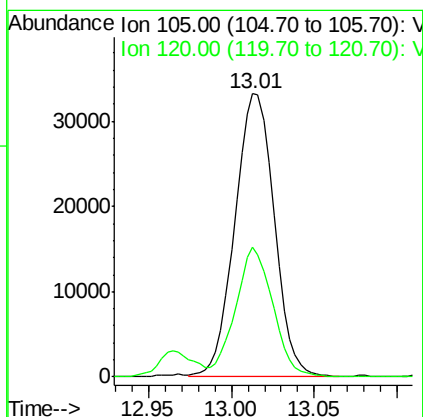
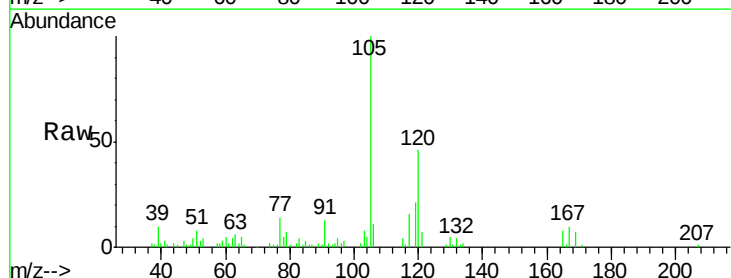
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

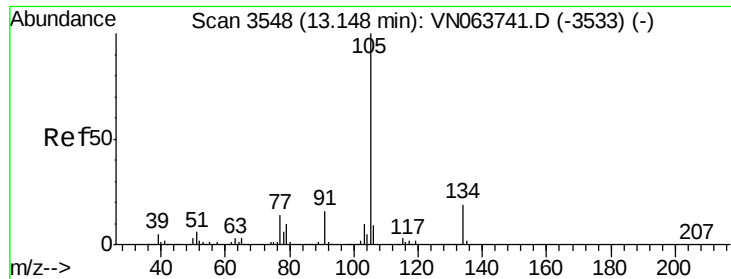
Tgt Ion:119 Resp: 46472
 Ion Ratio Lower Upper
 119 100
 91 71.6 35.5 106.5
 134 22.5 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.453 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion:105 Resp: 55194
 Ion Ratio Lower Upper
 105 100
 120 43.0 20.9 62.7

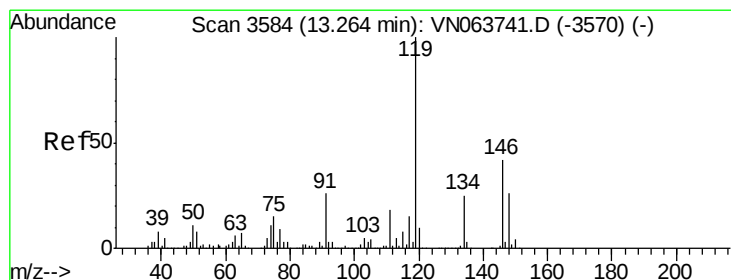
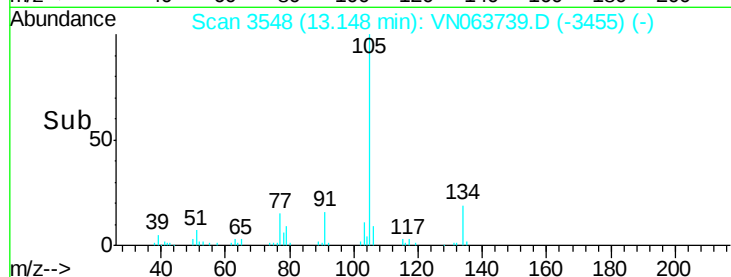
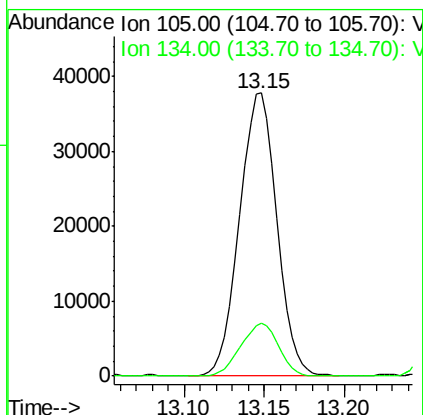
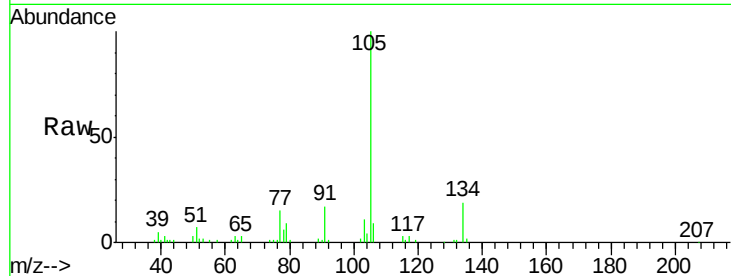




#85
 sec-Butylbenzene
 Concen: 4.456 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

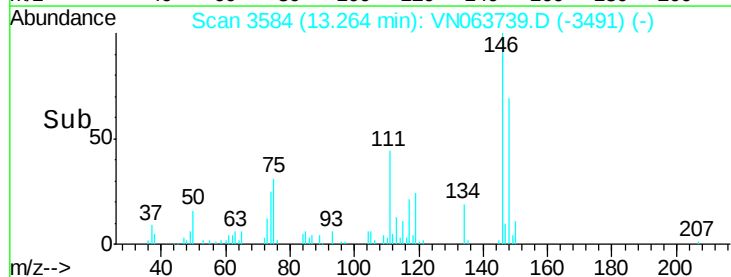
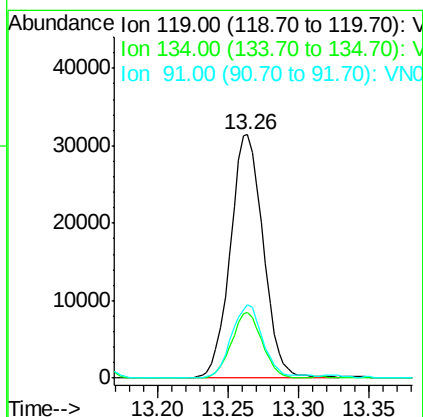
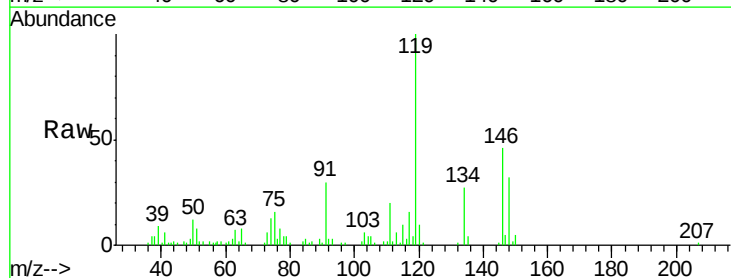
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

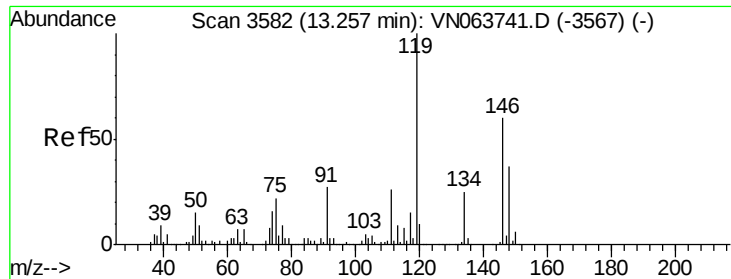
Tgt Ion:105 Resp: 60250
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 4.313 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion:119 Resp: 51472
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 28.6 13.4 40.2

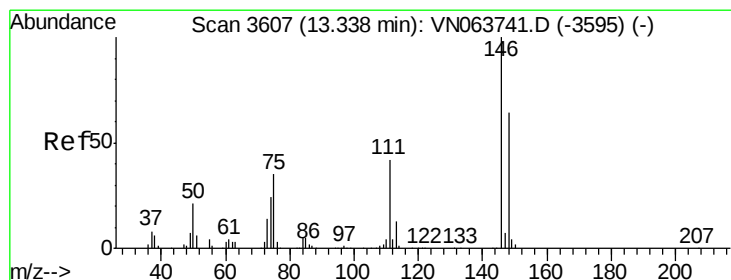
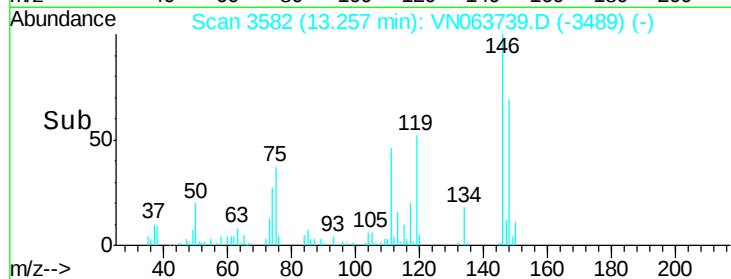
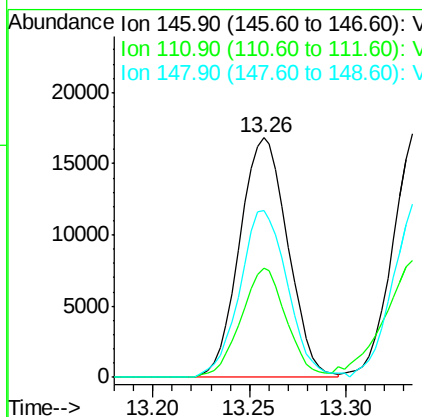
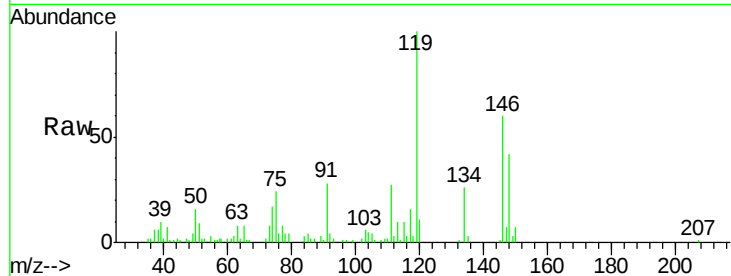




#87
 1,3-Dichlorobenzene
 Concen: 4.713 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

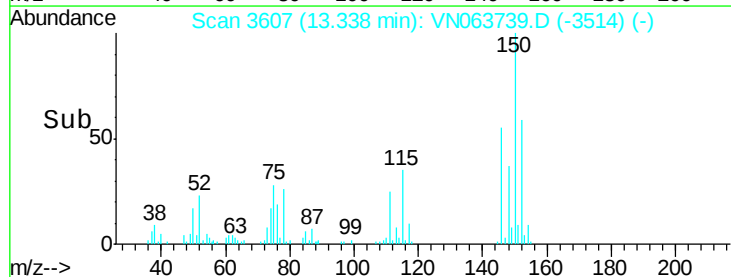
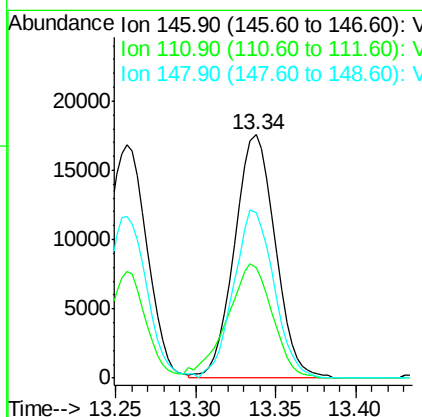
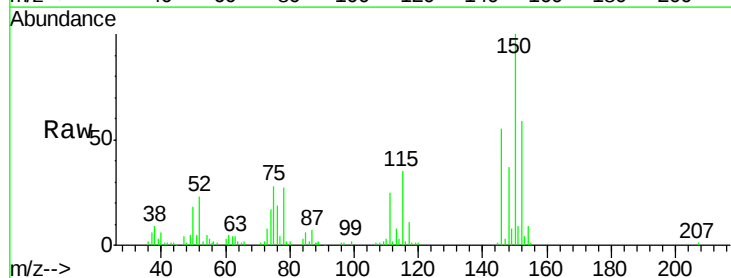
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

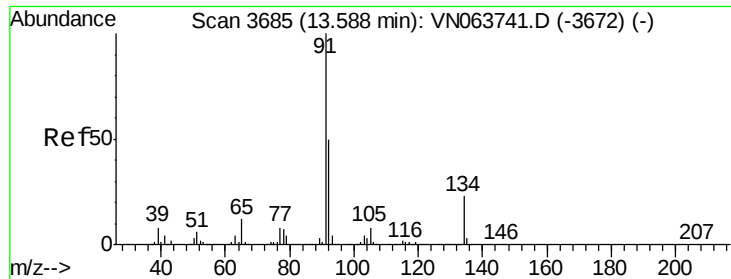
Tgt Ion:146 Resp: 29155
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.5 64.5
 148 69.2 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 4.886 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion:146 Resp: 30578
 Ion Ratio Lower Upper
 146 100
 111 52.3 21.3 63.7
 148 68.2 32.0 96.0





#89

n-Butylbenzene

Concen: 4.136 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063739.D

Acq: 30 Sep 2020 10:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

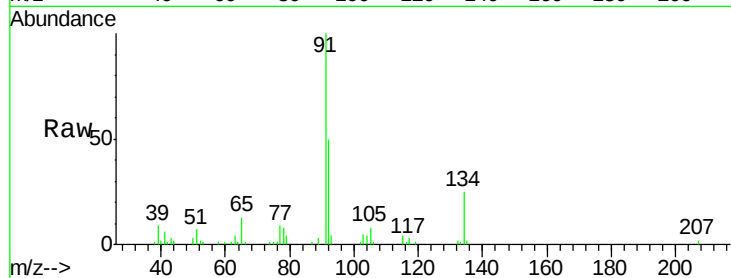
Tgt Ion: 91 Resp: 45297

Ion Ratio Lower Upper

91 100

92 49.7 25.4 76.4

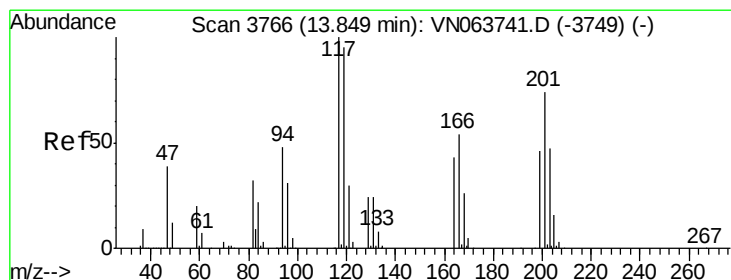
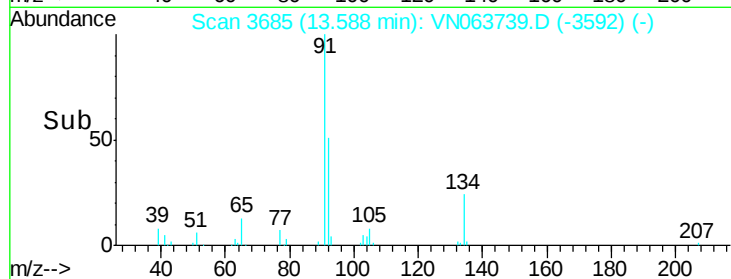
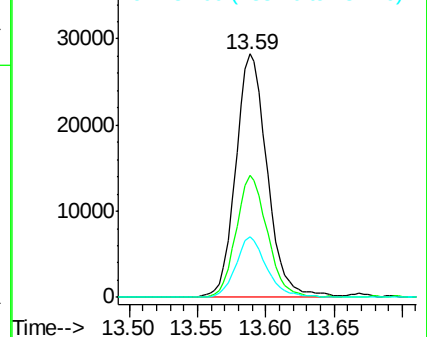
134 24.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VN063739.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN063739.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN063739.D (-3592) (-)



#90

Hexachloroethane

Concen: 4.498 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063739.D

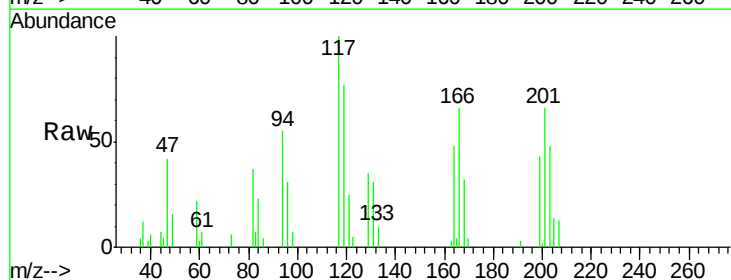
Acq: 30 Sep 2020 10:25

Tgt Ion: 117 Resp: 10263

Ion Ratio Lower Upper

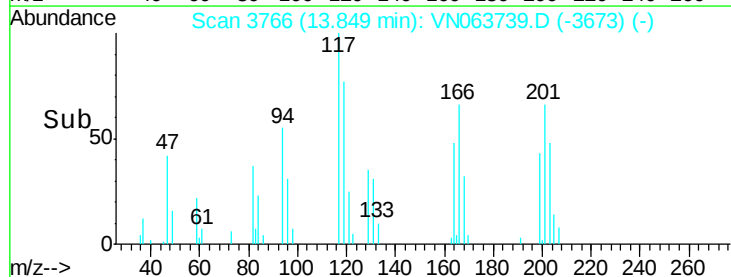
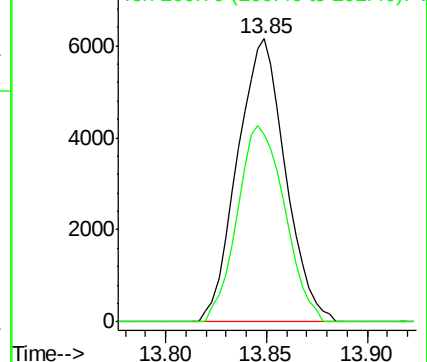
117 100

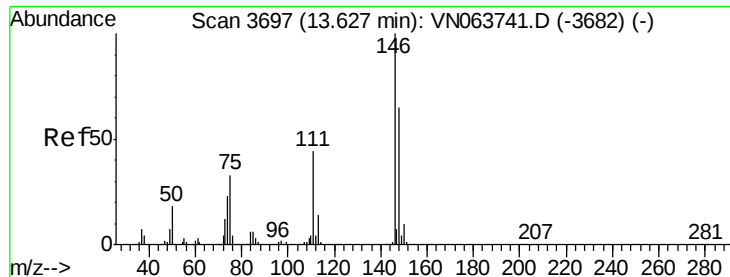
201 68.3 36.0 108.0



Abundance Ion 116.80 (116.50 to 117.50): VN063739.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN063739.D (-3673) (-)

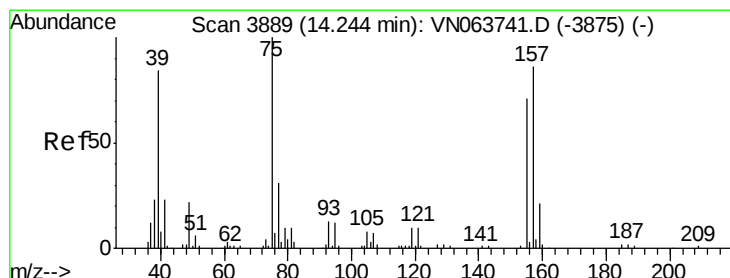
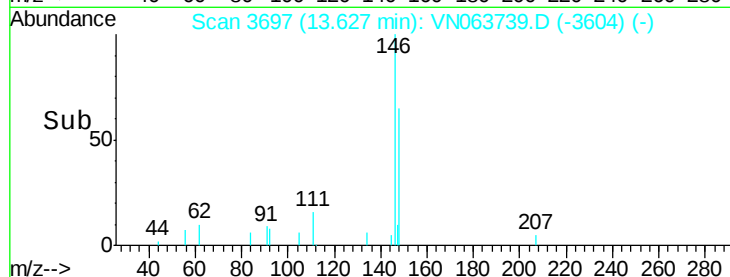
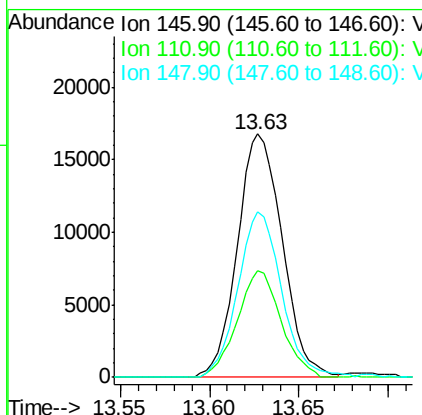
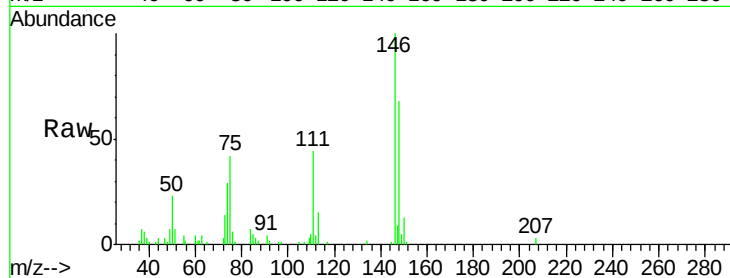




#91
 1,2-Dichlorobenzene
 Concen: 4.868 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

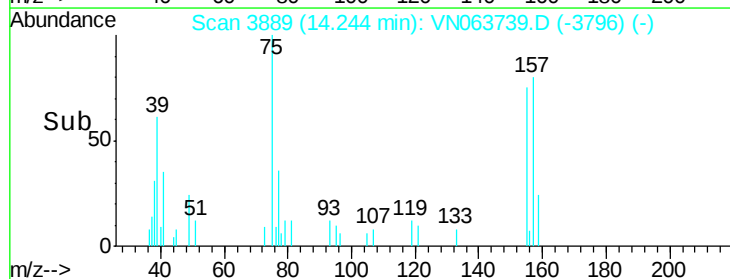
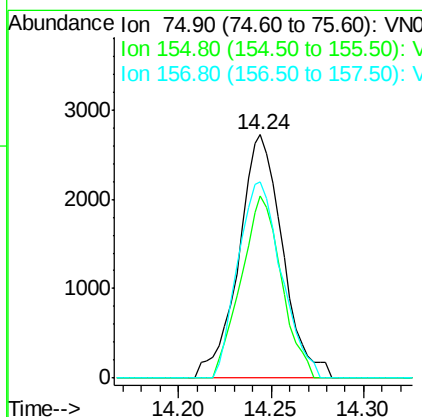
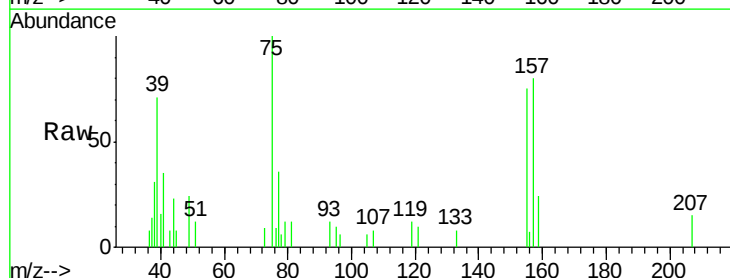
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 146 Resp: 29411
 Ion Ratio Lower Upper
 146 100
 111 42.5 22.2 66.6
 148 66.1 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.173 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion: 75 Resp: 4485
 Ion Ratio Lower Upper
 75 100
 155 68.9 34.8 104.5
 157 80.0 43.7 131.1

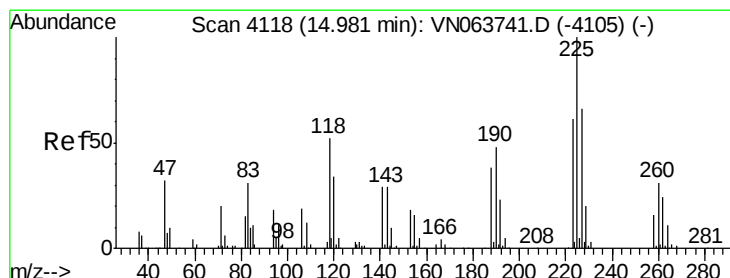
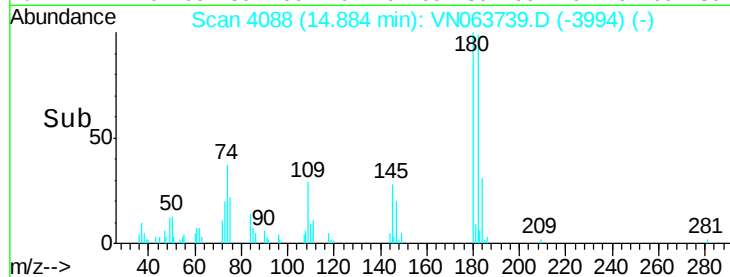
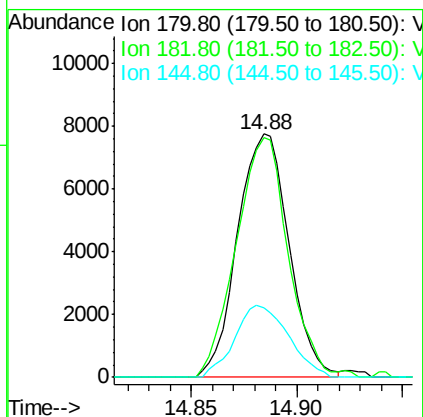
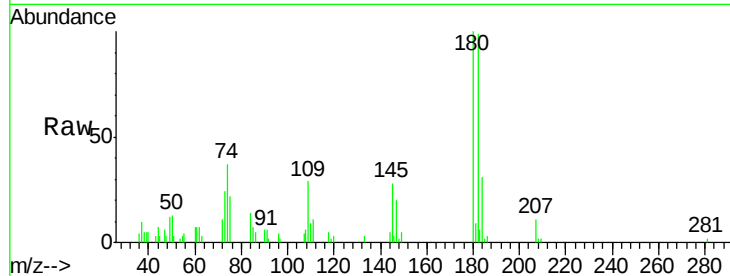




#93
 1,2,4-Trichlorobenzene
 Concen: 3.763 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

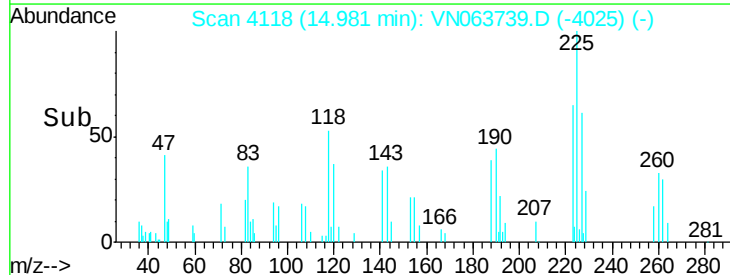
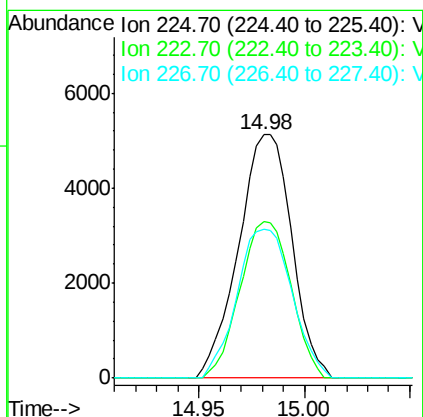
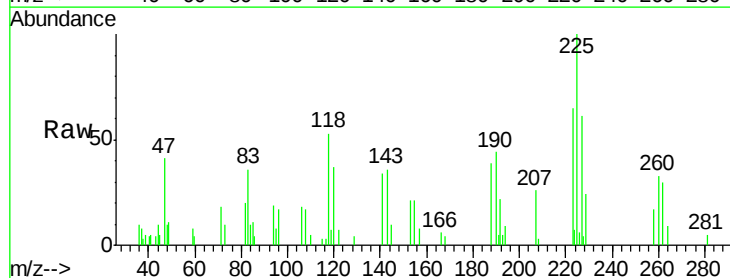
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

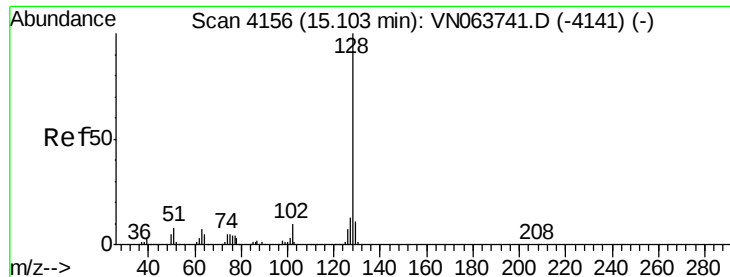
Tgt Ion:180 Resp: 13166
 Ion Ratio Lower Upper
 180 100
 182 99.6 48.2 144.6
 145 30.7 17.1 51.2



#94
 Hexachlorobutadiene
 Concen: 5.975 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063739.D
 Acq: 30 Sep 2020 10:25

Tgt Ion:225 Resp: 9008
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.3 91.0
 227 63.2 31.9 95.5

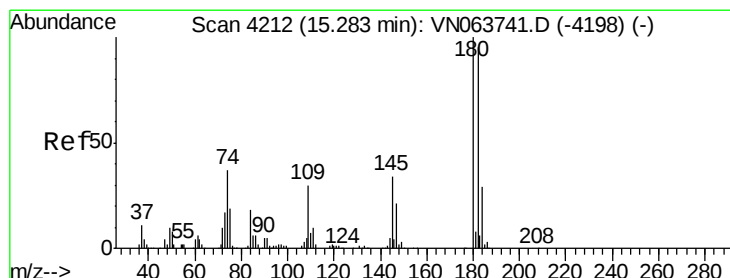
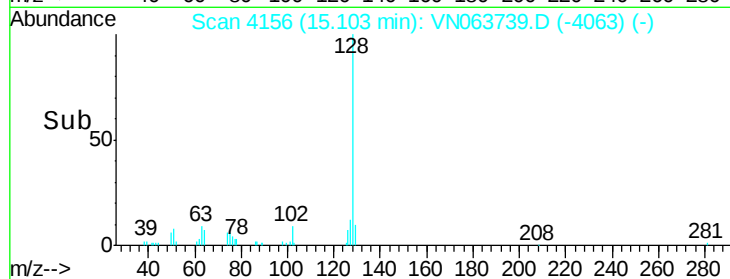
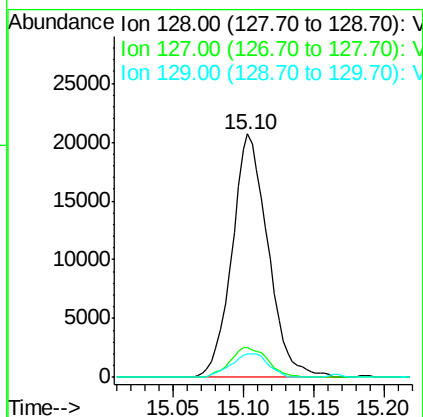
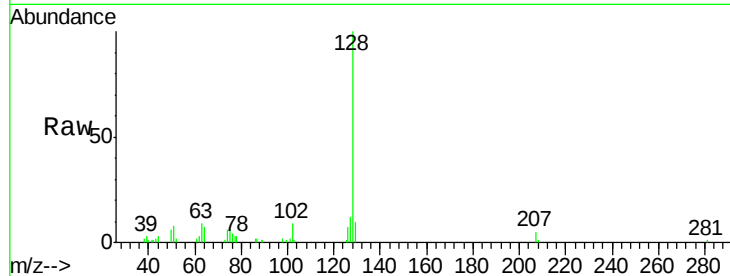




#95
Naphthalene
Concen: 3.217 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:128 Resp: 36841
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 9.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.664 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063739.D
Acq: 30 Sep 2020 10:25

Tgt Ion:180 Resp: 12384
Ion Ratio Lower Upper
180 100
182 97.3 47.9 143.6
145 33.0 17.2 51.5

