

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036213.D
 Acq On : 13 Jan 2021 4:30
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jan 13 05:49:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 05:46:16 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1517305	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3369653	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3009967	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2537110	10.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	110920	0.623	ppbv	100
3) Chlorodifluoromethane	2.99	51	106043	0.611	ppbv	99
4) Chloromethane	3.14	50	53287	0.624	ppbv #	69
5) Vinyl Chloride	3.26	62	43808	0.465	ppbv	90
6) Bromomethane	3.47	94	13909	0.289	ppbv #	65
7) Chloroethane	3.56	64	9282	0.293	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	110920	0.573	ppbv	99
9) Propene	3.00	41	22161	0.257	ppbv #	14
10) Heptane	8.12	43	119518	0.544	ppbv	95
11) Trichlorofluoromethane	3.95	101	110411	0.540	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	42999	0.315	ppbv #	38
13) Ethanol	3.60	45	2632	0.221	ppbv #	1
14) Bromoethene	3.74	108	17403	0.308	ppbv #	33
15) Acetone	3.85	43	30608	0.170	ppbv #	49
16) 1,3-Butadiene	3.33	39	45001	0.497	ppbv	98
17) tert-Butyl alcohol	4.29	59	26141	0.155	ppbv #	70
18) 1,1-Dichloroethene	4.28	96	10695	0.177	ppbv	84
19) Isopropyl Alcohol	3.98	45	26955	0.246	ppbv #	75
20) Methylene Chloride	4.34	84	35477	0.493	ppbv #	77
21) Allyl Chloride	4.41	41	50517	0.434	ppbv	96
23) Vinyl Acetate	5.07	43	106922	0.448	ppbv #	96
24) 1,1-Dichloroethane	5.01	63	85693	0.510	ppbv #	94
25) Ethyl Acetate	5.67	43	94724	0.264	ppbv #	73
26) Hexane	5.68	57	55758	0.345	ppbv #	29
27) Carbon Disulfide	4.55	76	54236	0.349	ppbv #	92
28) Methyl tert-Butyl Ether	5.04	73	111077	0.494	ppbv	100
29) Chloroform	5.75	83	123054	0.575	ppbv	96
30) Cyclohexane	7.13	84	20913	0.173	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	77459	0.523	ppbv #	82
32) 1,1,1-Trichloroethane	6.50	97	111678	0.506	ppbv	96
34) 2-Butanone	5.25	43	101309	0.448	ppbv #	85
35) Carbon Tetrachloride	7.01	117	58578	0.298	ppbv	96
36) Benzene	6.89	78	162818	0.568	ppbv	95
37) 1,2-Dichloroethane	6.30	62	99241	0.594	ppbv	97
38) Trichloroethene	7.83	130	24909	0.235	ppbv	96
39) 1,2-Dichloropropane	7.61	63	68317	0.601	ppbv	86
41) Tetrahydrofuran	6.06	42	48841	0.368	ppbv #	70
42) Bromodichloromethane	7.78	83	111218	0.504	ppbv #	92
43) Methyl Methacrylate	8.01	69	58852	0.478	ppbv	90
44) 2,2,4-Trimethylpentane	7.86	57	316173	0.611	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	20038	0.159	ppbv	89

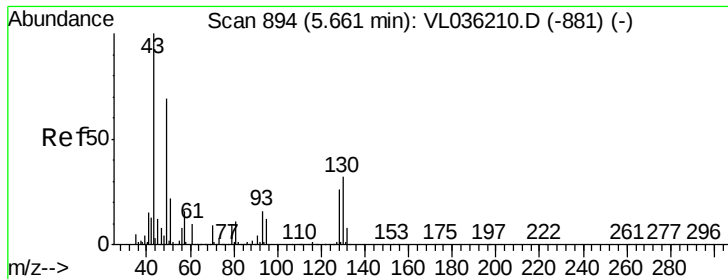
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 05:46:16 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.70	75	73409	0.462	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	50702	0.463	ppbv	91
48) Dibromochloromethane	10.29	129	34426	0.210	ppbv #	1
49) Bromoform	13.03	173	61578	0.475	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	169445	0.504	ppbv	96
51) 2-Hexanone	10.15	43	114885	0.431	ppbv #	93
52) Tetrachloroethene	11.21	164	42629	0.413	ppbv	91
53) Toluene	9.80	91	175170	0.544	ppbv	98
54) 1,2-Dibromoethane	10.60	107	44359	0.270	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.12	131	74990	0.601	ppbv #	1
57) Chlorobenzene	12.14	112	66619	0.314	ppbv	92
58) Ethyl Benzene	12.96	91	147497	0.355	ppbv	92
59) m/p-Xylene	12.99	91	72676	0.208	ppbv #	33
60) o-Xylene	13.69	91	216923	0.658	ppbv	97
61) Styrene	13.53	104	115573	0.540	ppbv	95
62) Isopropylbenzene	14.66	105	310914	0.634	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	100848	0.451	ppbv #	59
64) n-propylbenzene	15.56	120	50189	0.423	ppbv #	1
65) tert-Butylbenzene	16.74	119	253072	0.628	ppbv	88
66) Benzyl Chloride	16.99	91	25312	0.245	ppbv #	63
67) sec-Butylbenzene	17.29	105	402448	0.706	ppbv	97
69) p-Isopropyltoluene	17.65	119	137261	0.303	ppbv #	33
70) n-Butylbenzene	18.55	91	162201	0.355	ppbv #	33
71) 2-Chlorotoluene	15.44	91	118996	0.318	ppbv #	46
72) 4-Ethyltoluene	15.83	105	222981	0.617	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	105329	0.305	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.76	105	231344	0.667	ppbv #	90
75) 1,3-Dichlorobenzene	16.99	146	115690	0.661	ppbv	94
76) 1,4-Dichlorobenzene	17.14	146	108642	0.609	ppbv	89
77) 1,2-Dichlorobenzene	17.82	146	113826	0.671	ppbv	94
78) Hexachloro-1,3-Butadiene	23.37	225	88125	0.658	ppbv #	83
79) Naphthalene	22.25	128	6369	0.034	ppbv	96
80) Naphthalene,2-methyl-	25.01	142	6233	0.164	ppbv #	72
81) 1,2,4-Trichlorobenzene	21.91	180	3720	0.032	ppbv #	10

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL036213.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

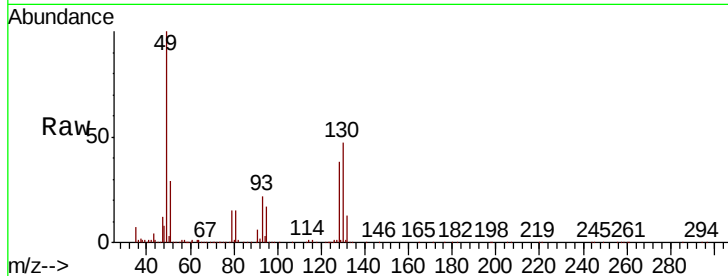
Tot Ion: 49 Resp: 1517305

Ion Ratio Lower Upper

49 100

128 41.1 20.1 60.2

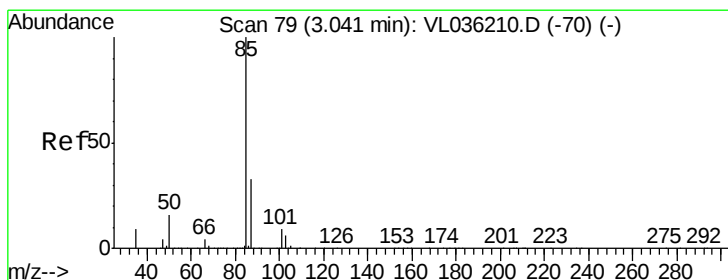
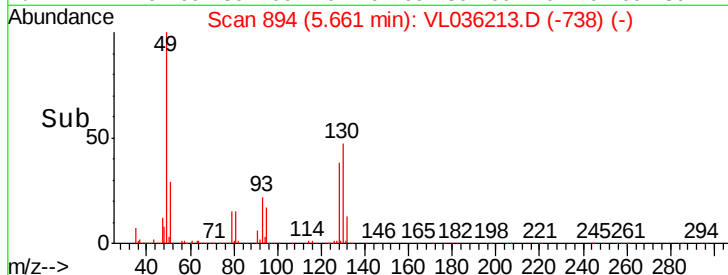
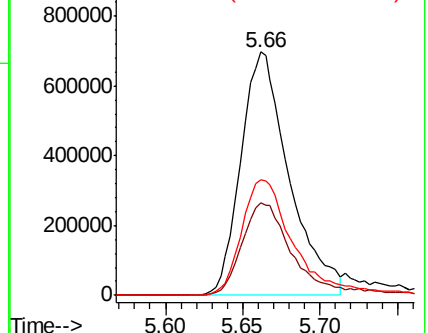
130 52.9 25.3 75.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.623 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.14 min

Lab File: VL036213.D

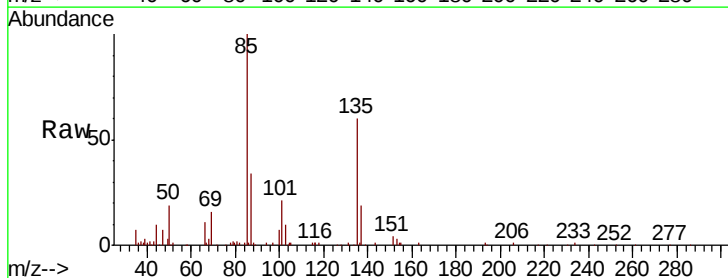
Acq: 13 Jan 2021 4:30

Tgt Ion: 85 Resp: 110920

Ion Ratio Lower Upper

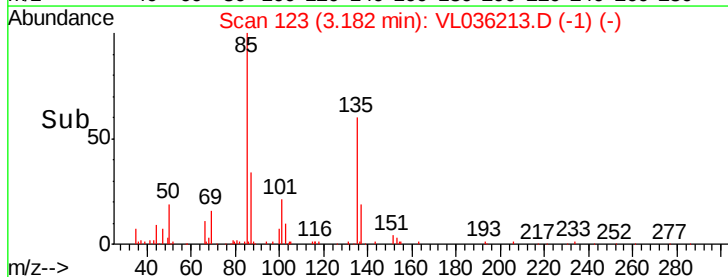
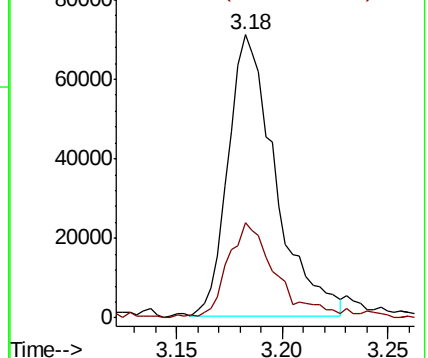
85 100

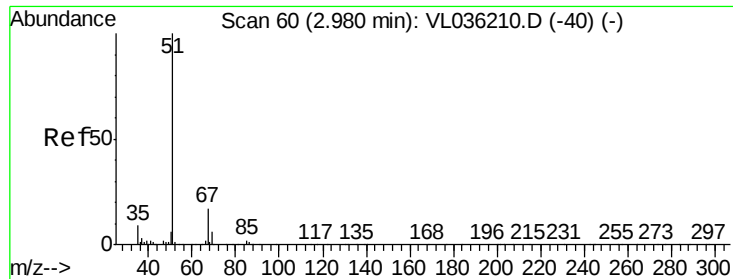
87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

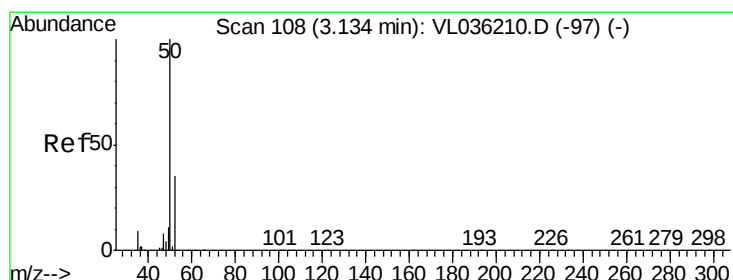
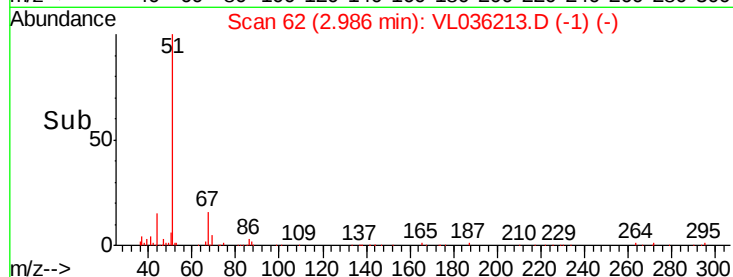
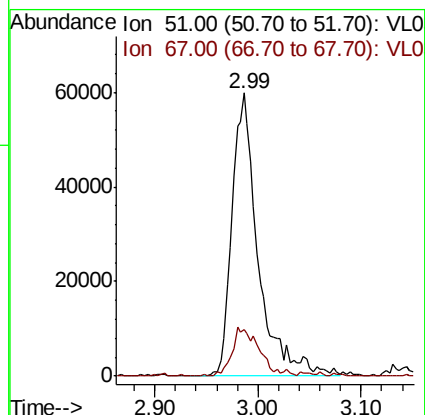
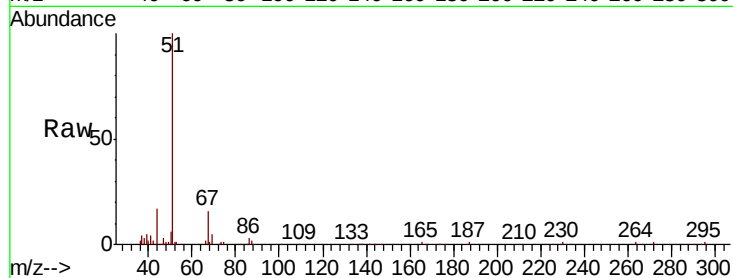




#3
Chlorodifluoromethane
Concen: 0.611 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.01 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

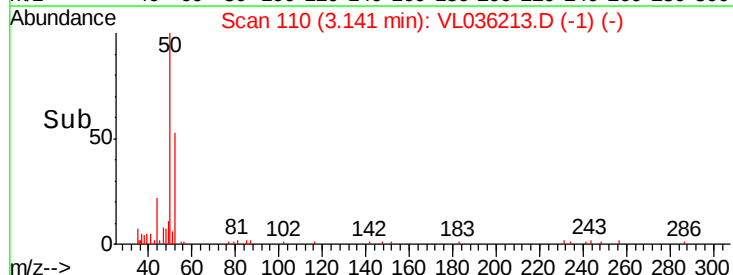
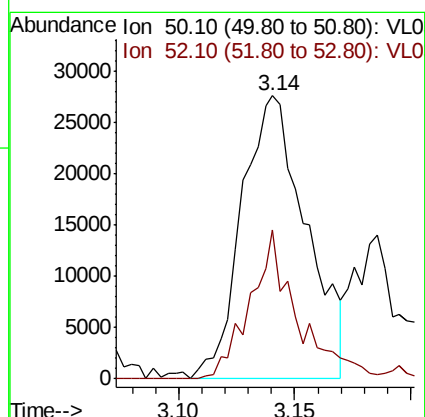
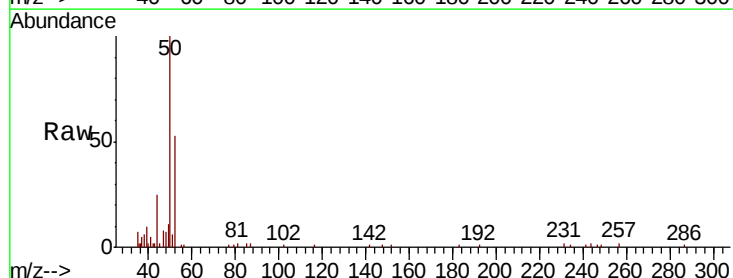
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

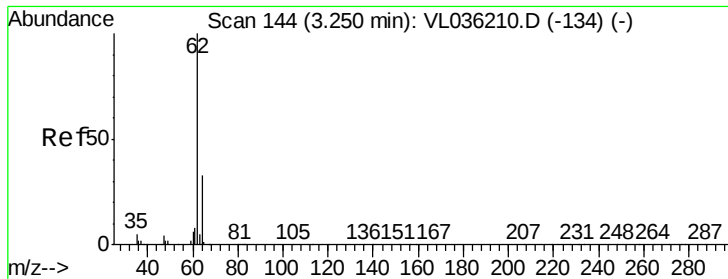
Tot Ion: 51 Resp: 106043
Ion Ratio Lower Upper
51 100
67 17.9 14.0 21.0



#4
Chloromethane
Concen: 0.624 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion: 50 Resp: 53287
Ion Ratio Lower Upper
50 100
52 52.7 27.8 41.8#





#5

Vinyl Chloride

Concen: 0.465 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

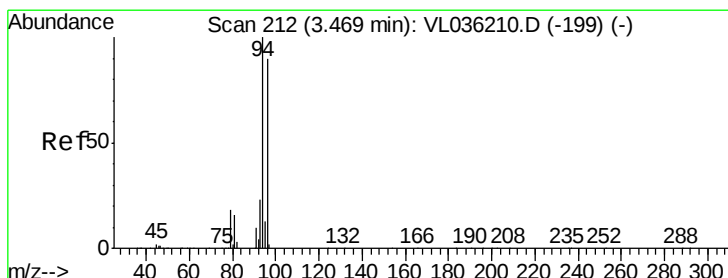
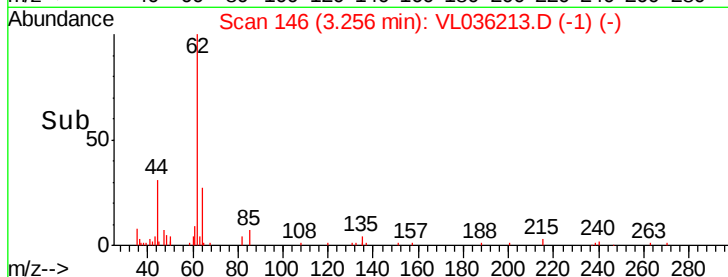
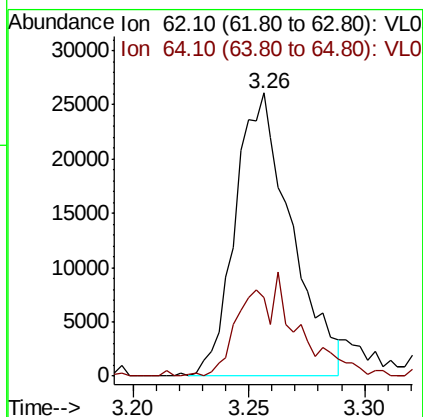
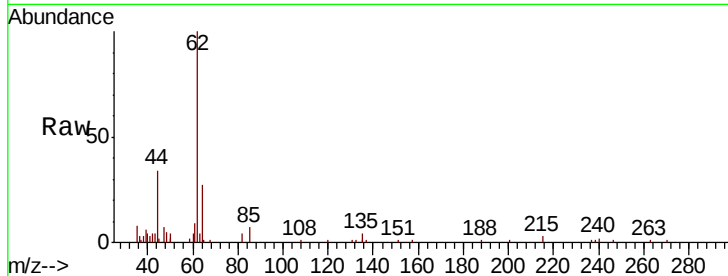
VSTDIC0.5

Tot Ion: 62 Resp: 43808

Ion Ratio Lower Upper

62 100

64 27.1 26.2 39.2



#6

Bromomethane

Concen: 0.289 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL036213.D

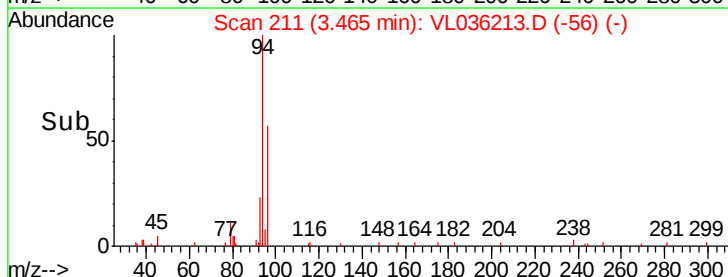
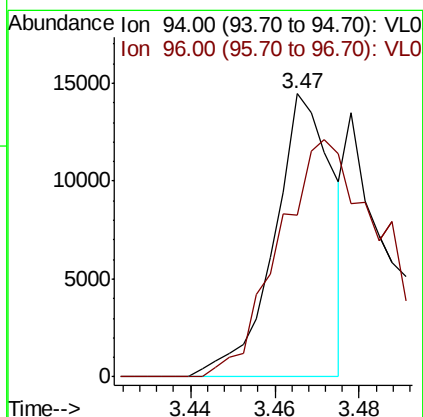
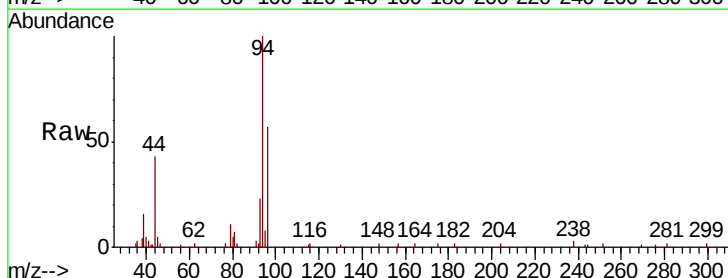
Acq: 13 Jan 2021 4:30

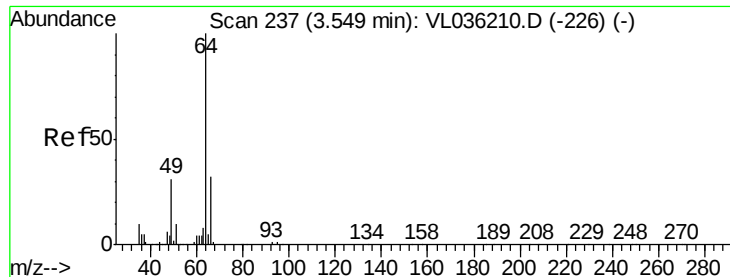
Tgt Ion: 94 Resp: 13909

Ion Ratio Lower Upper

94 100

96 57.3 71.9 107.9#





#7

Chloroethane

Concen: 0.293 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

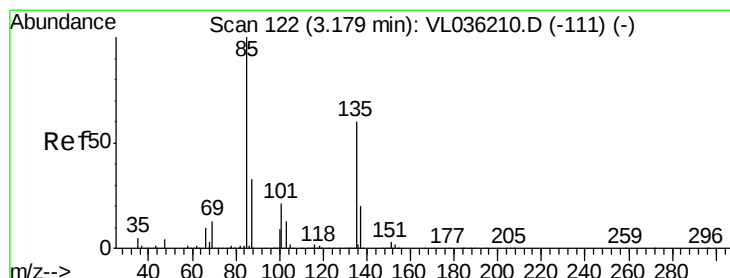
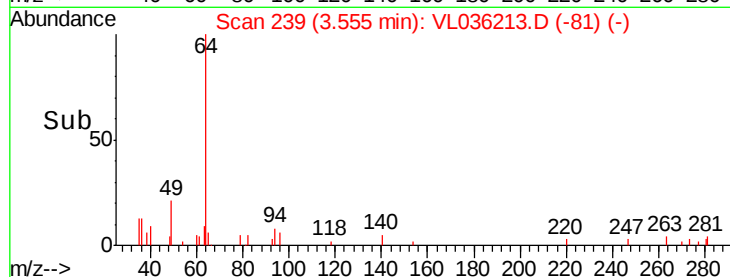
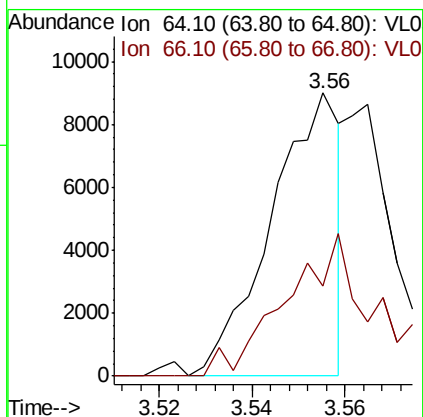
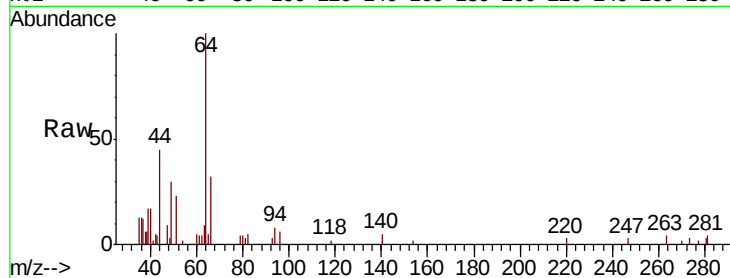
VSTDIC0.5

Tot Ion: 64 Resp: 9282

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8



#8

Dichlorotetrafluoroethane

Concen: 0.573 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL036213.D

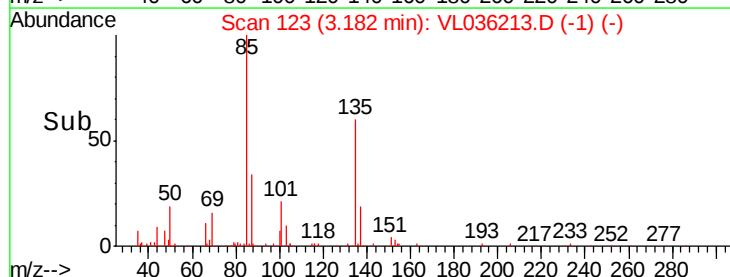
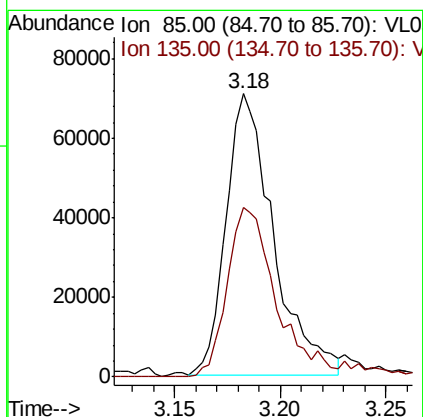
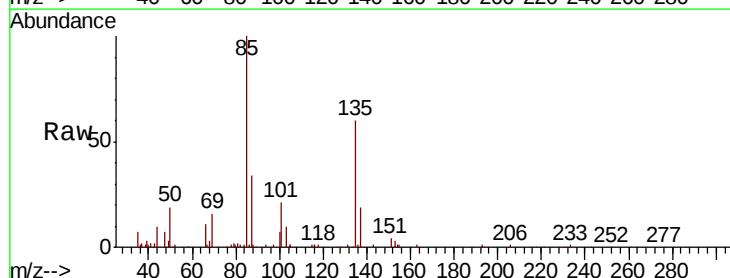
Acq: 13 Jan 2021 4:30

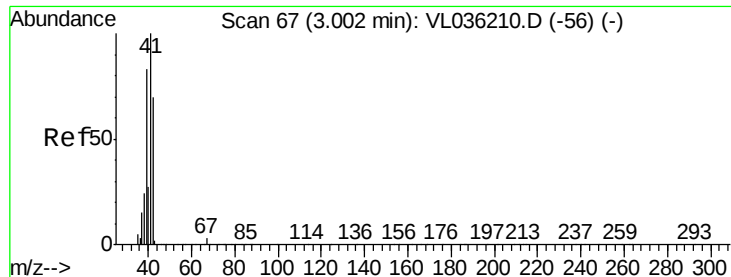
Tgt Ion: 85 Resp: 110920

Ion Ratio Lower Upper

85 100

135 65.2 51.5 77.3





#9

Propene

Concen: 0.257 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

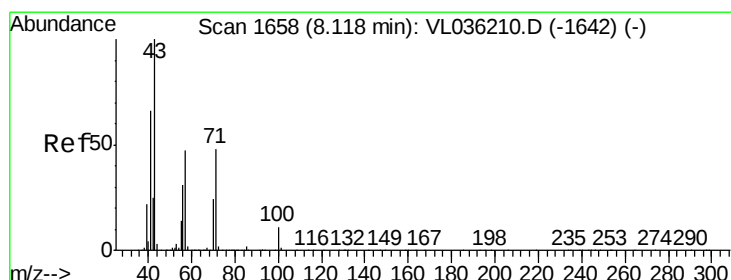
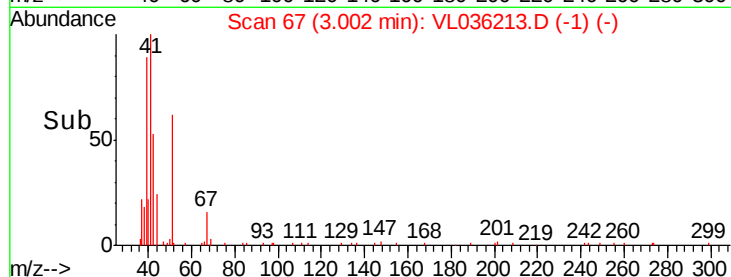
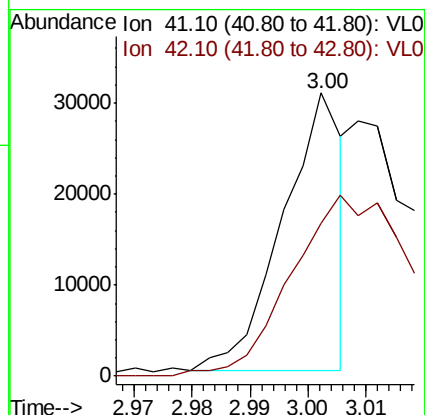
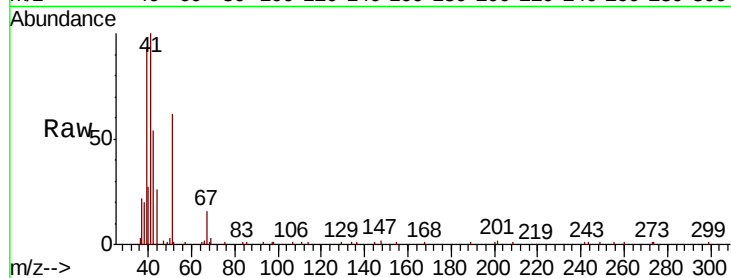
VSTDIC0.5

Tot Ion: 41 Resp: 22161

Ion Ratio Lower Upper

41 100

42 0.0 57.1 85.7#



#10

Heptane

Concen: 0.544 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL036213.D

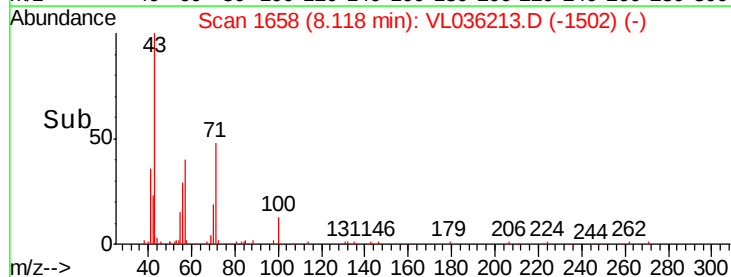
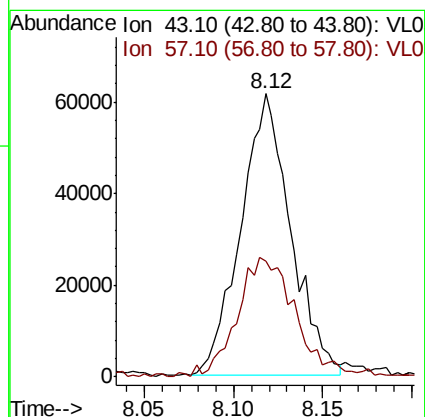
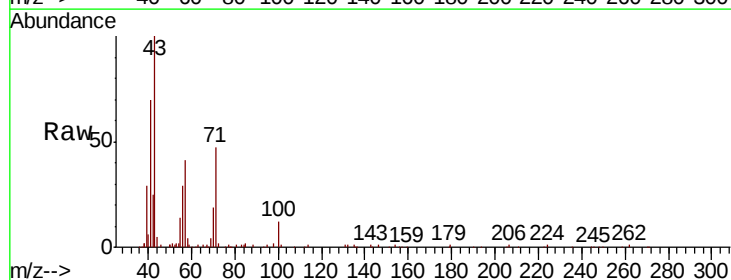
Acq: 13 Jan 2021 4:30

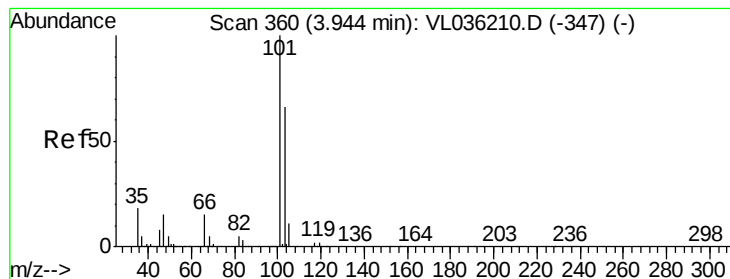
Tgt Ion: 43 Resp: 119518

Ion Ratio Lower Upper

43 100

57 50.7 38.1 57.1





#11

Trichlorofluoromethane

Concen: 0.540 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

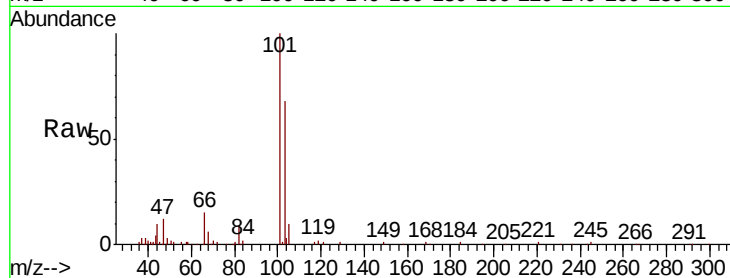
VSTDIC0.5

Tot Ion:101 Resp: 110411

Ion Ratio Lower Upper

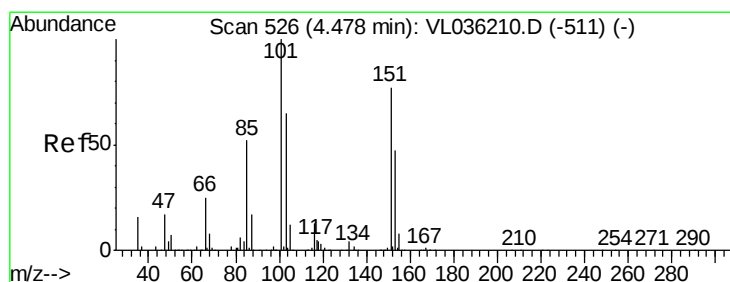
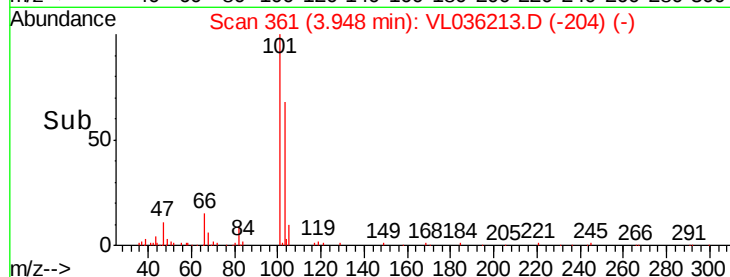
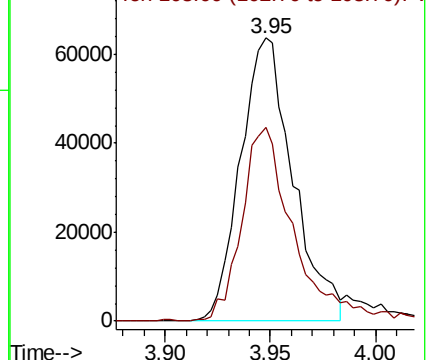
101 100

103 68.4 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.315 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL036213.D

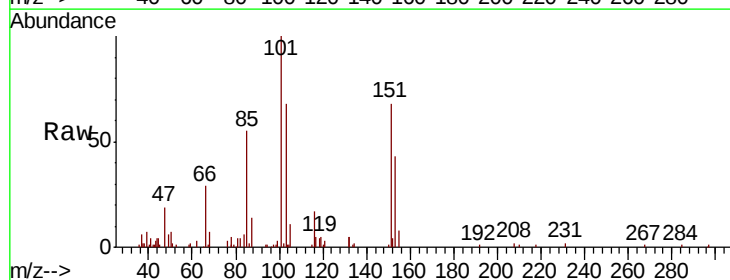
Acq: 13 Jan 2021 4:30

Tgt Ion:101 Resp: 42999

Ion Ratio Lower Upper

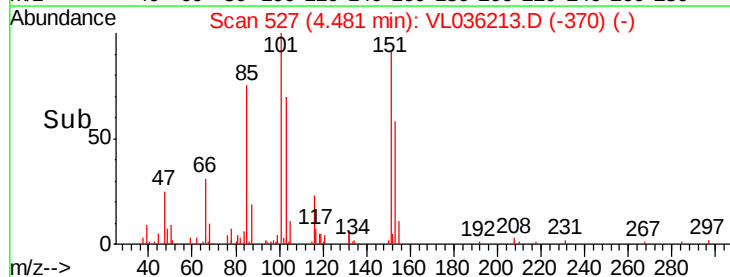
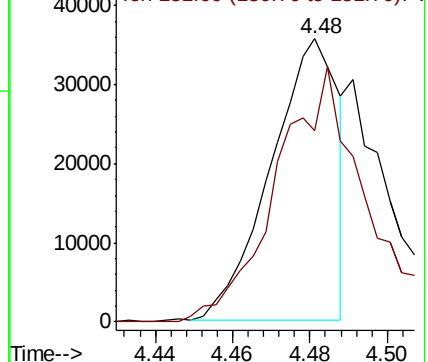
101 100

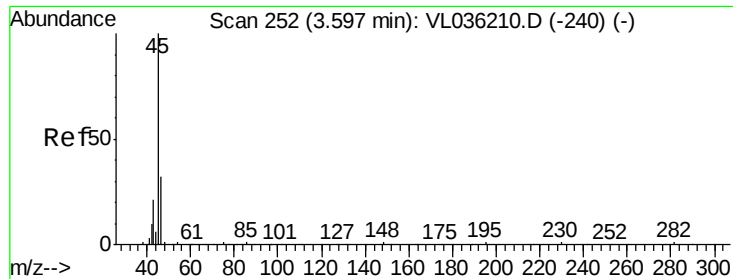
151 127.4 59.8 89.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

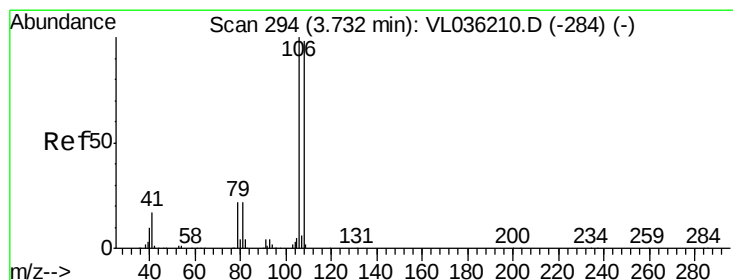
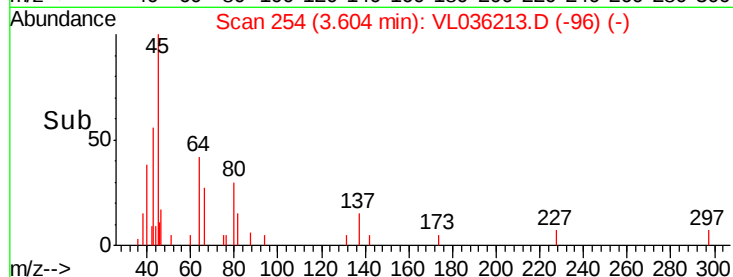
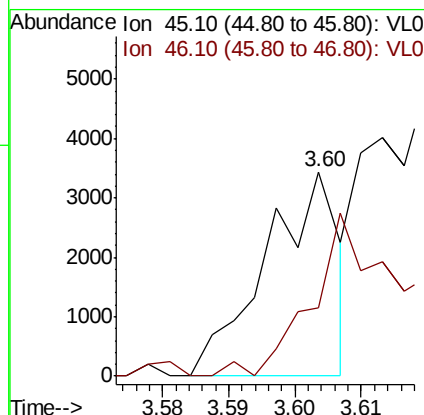
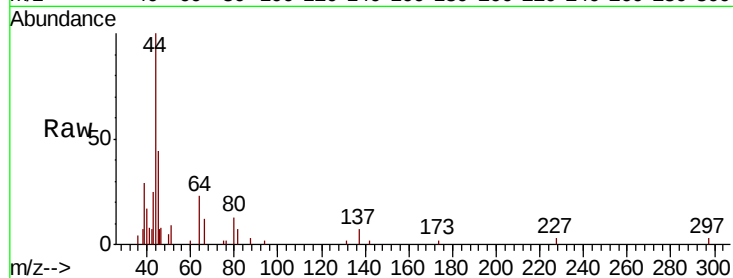




#13
Ethanol
Concen: 0.221 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

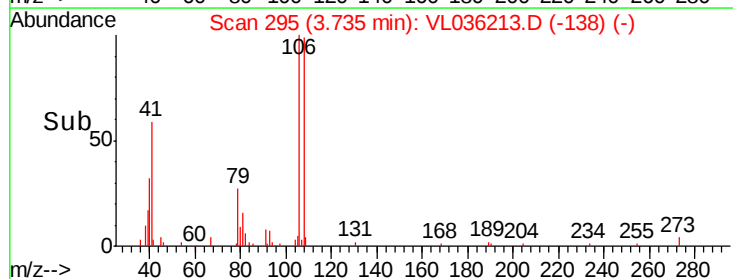
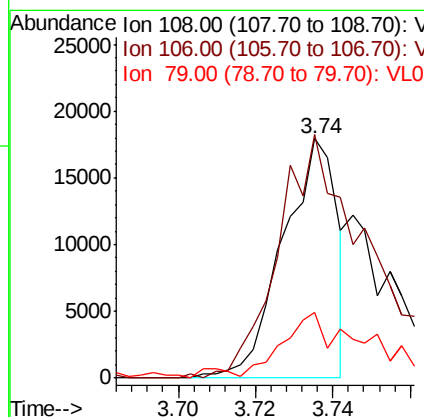
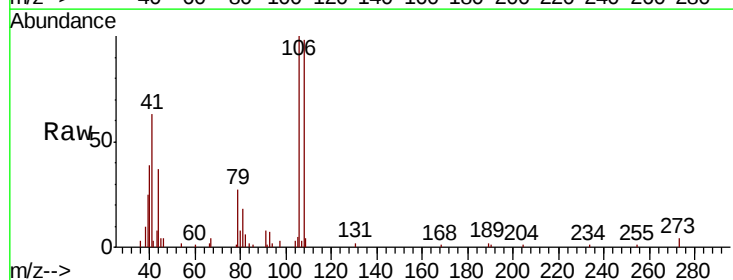
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

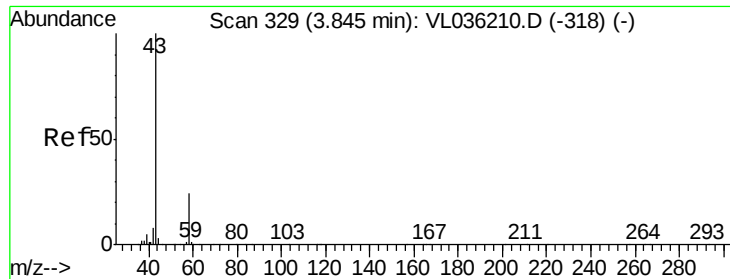
Tot Ion: 45 Resp: 2632
Ion Ratio Lower Upper
45 100
46 146.6 19.2 77.0#



#14
Bromoethene
Concen: 0.308 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion:108 Resp: 17403
Ion Ratio Lower Upper
108 100
106 190.4 91.4 137.2#
79 47.3 18.3 27.5#





#15

Acetone

Concen: 0.170 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

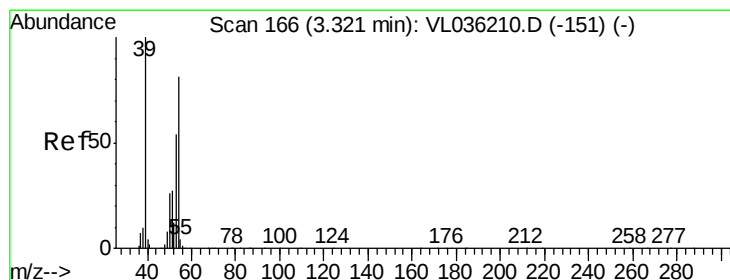
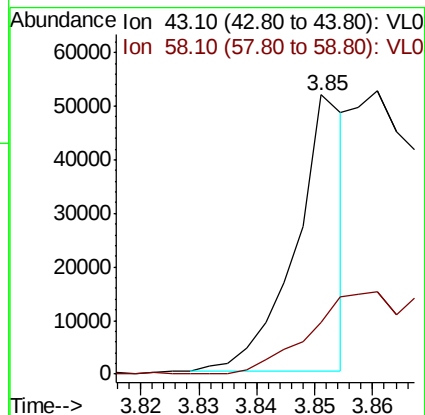
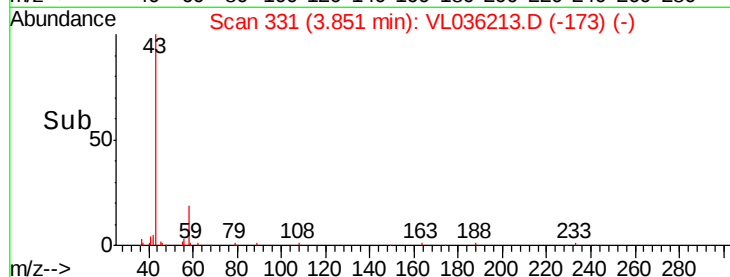
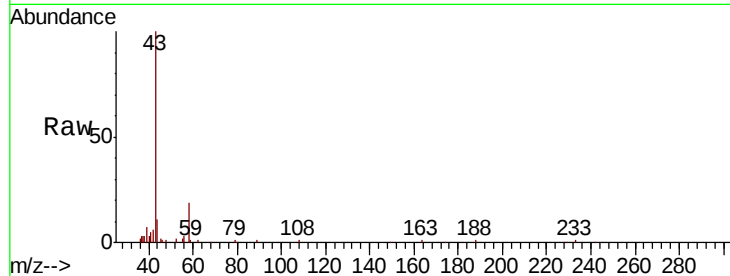
VSTDIC0.5

Tot Ion: 43 Resp: 30608

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#



#16

1,3-Butadiene

Concen: 0.497 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.01 min

Lab File: VL036213.D

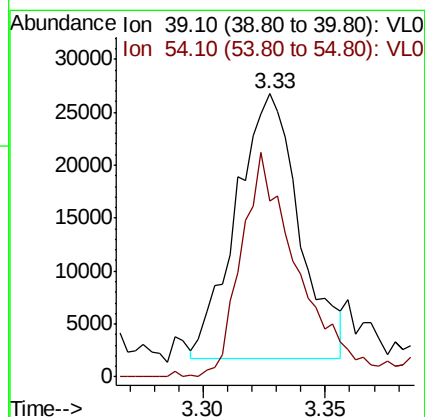
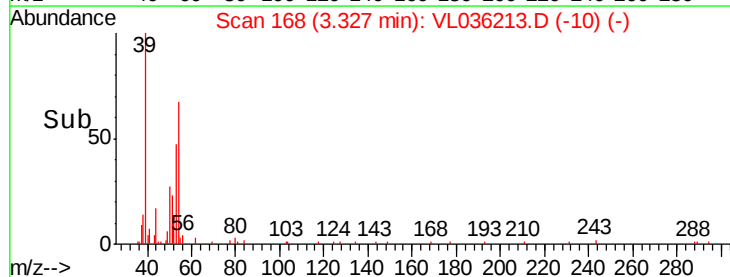
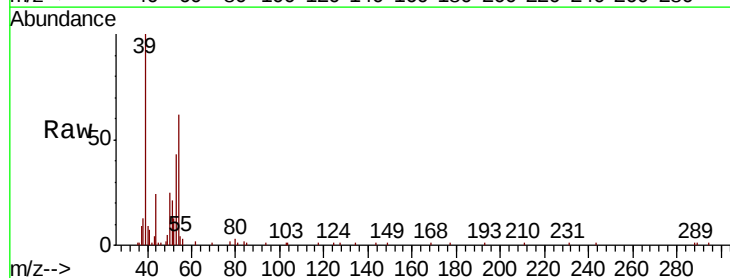
Acq: 13 Jan 2021 4:30

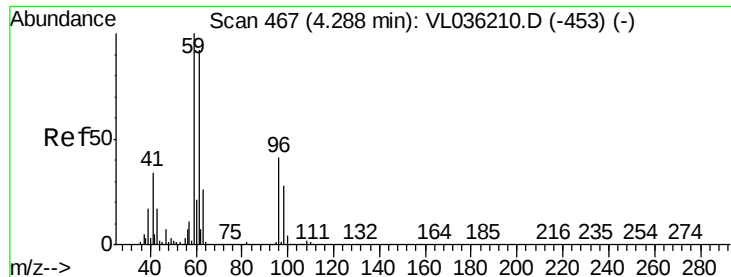
Tgt Ion: 39 Resp: 45001

Ion Ratio Lower Upper

39 100

54 76.7 62.5 93.7



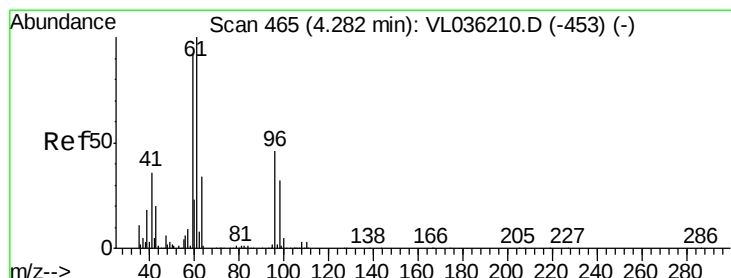
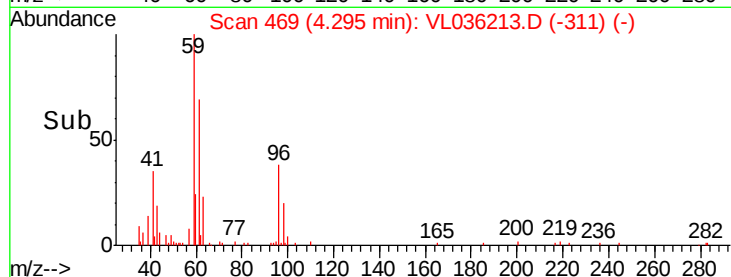
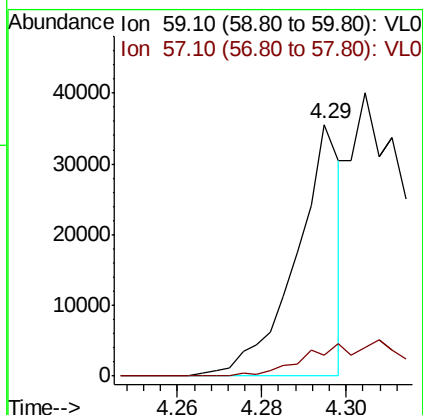
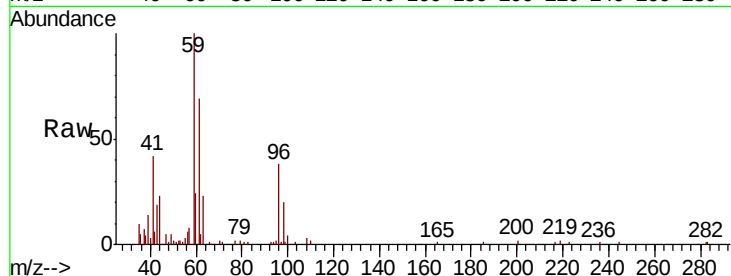


#17

tert-Butyl alcohol
 Concen: 0.155 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

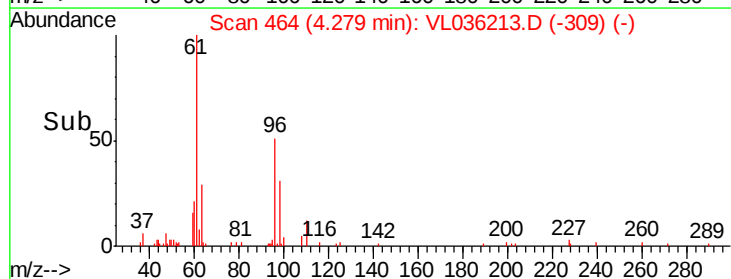
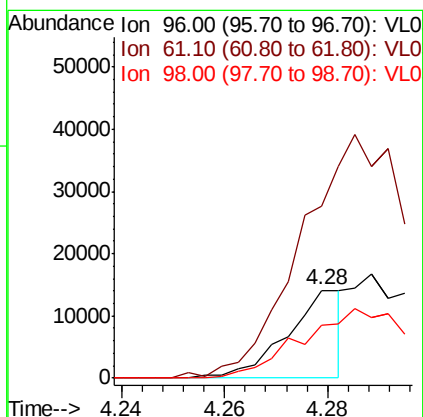
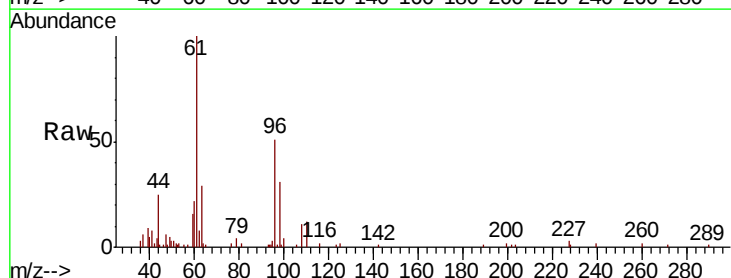
Tot Ion: 59 Resp: 26141
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.2 13.8#

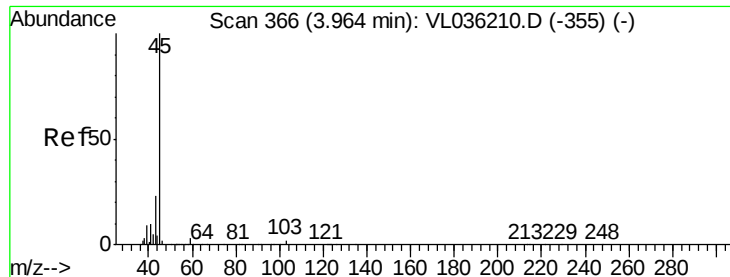


#18

1,1-Dichloroethene
 Concen: 0.177 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Tgt Ion: 96 Resp: 10695
 Ion Ratio Lower Upper
 96 100
 61 189.3 173.4 260.0
 98 57.6 54.9 82.3





#19

Isopropyl Alcohol

Concen: 0.246 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

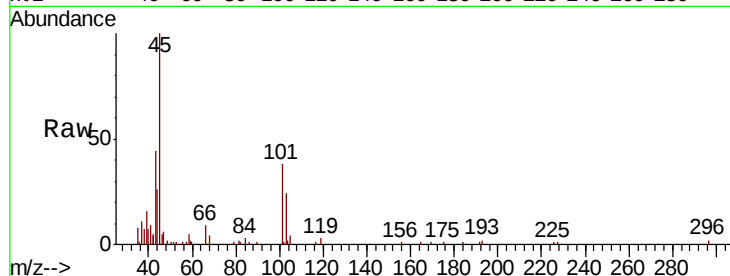
VSTDIC0.5

Tot Ion: 45 Resp: 26955

Ion Ratio Lower Upper

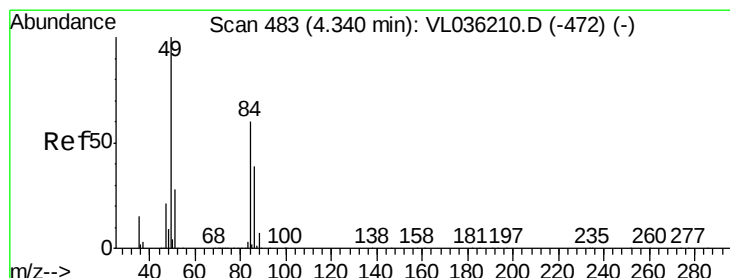
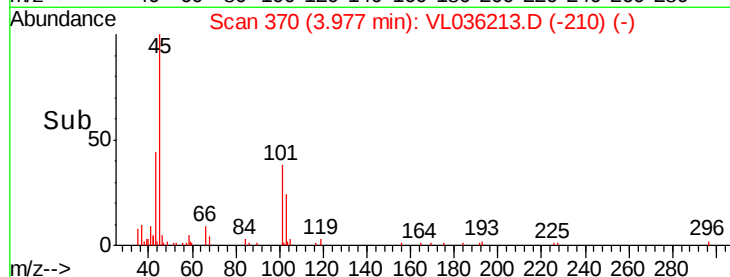
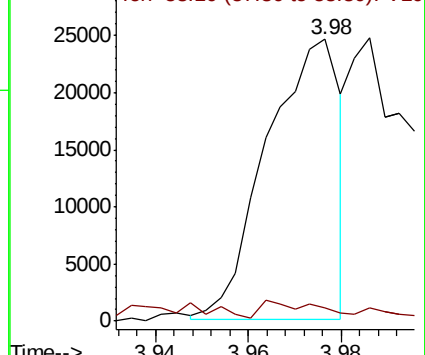
45 100

58 10.9 1.9 2.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.493 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Tgt Ion: 84 Resp: 35477

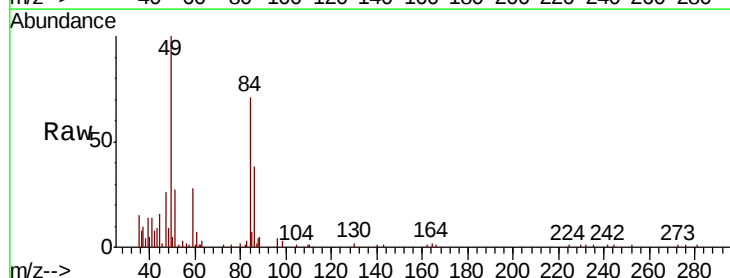
Ion Ratio Lower Upper

84 100

49 134.0 134.1 201.1#

51 30.2 37.4 56.0#

86 53.3 52.6 78.8

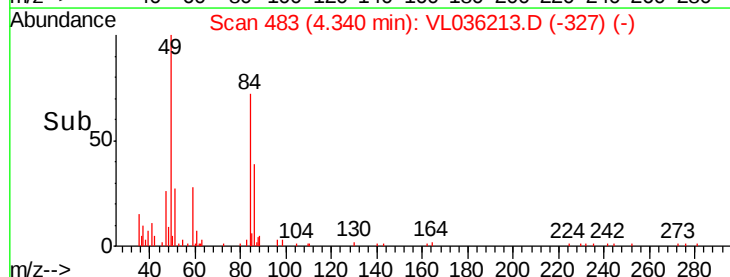
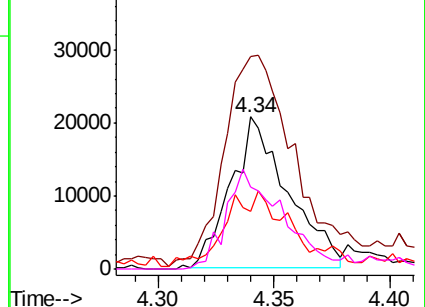


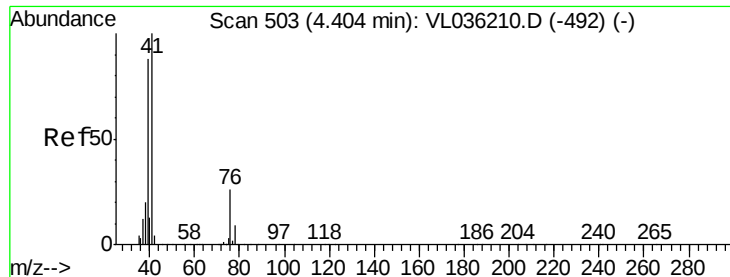
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 0.434 ppbv

RT: 4.41 min Scan# 504

Delta R.T. 0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

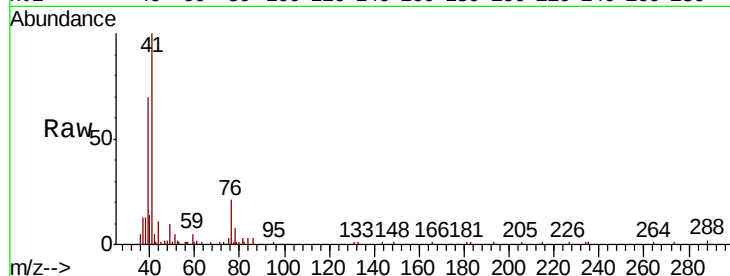
Tot Ion: 41 Resp: 50517

Ion Ratio Lower Upper

41 100

76 29.6 20.5 30.7

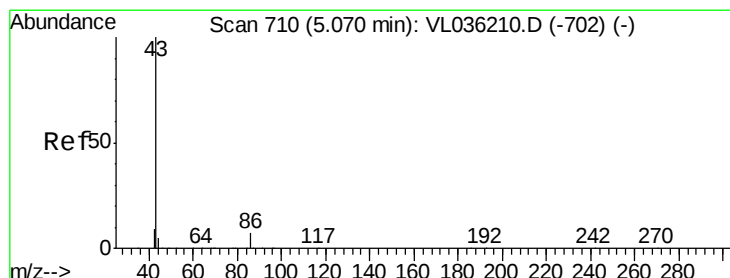
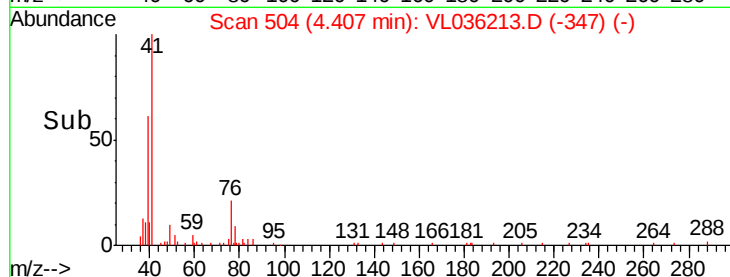
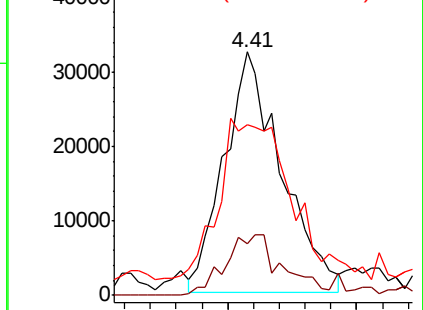
39 87.8 67.8 101.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.448 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Tgt Ion: 43 Resp: 106922

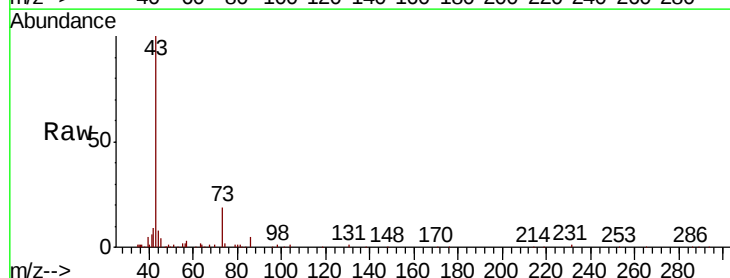
Ion Ratio Lower Upper

43 100

86 4.8 4.9 7.3#

42 7.6 7.8 11.6#

44 5.1 3.7 5.5

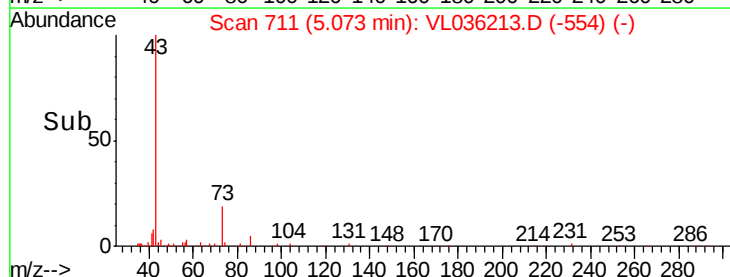
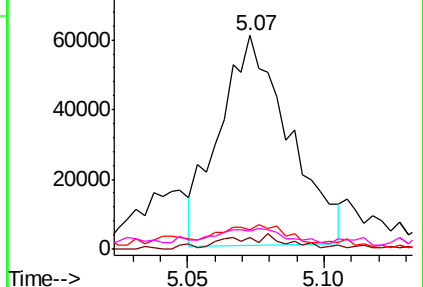


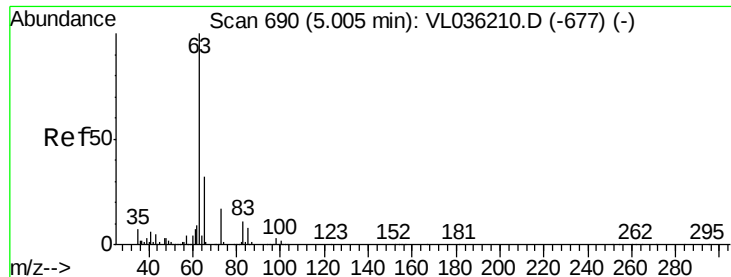
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.510 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

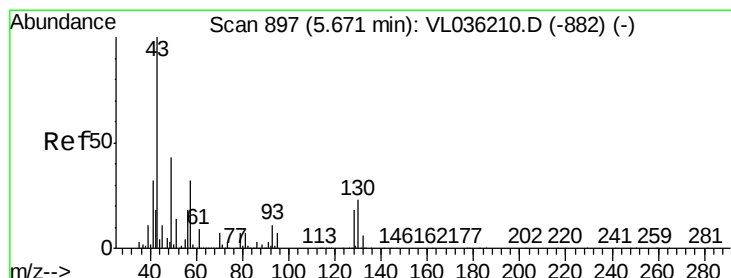
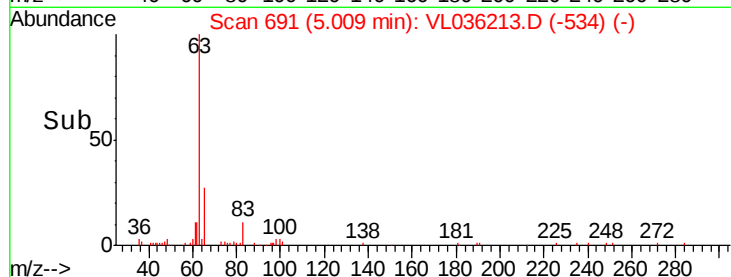
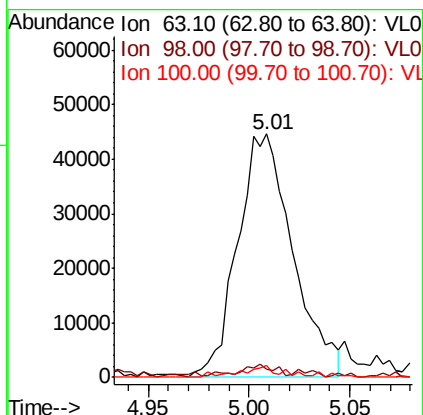
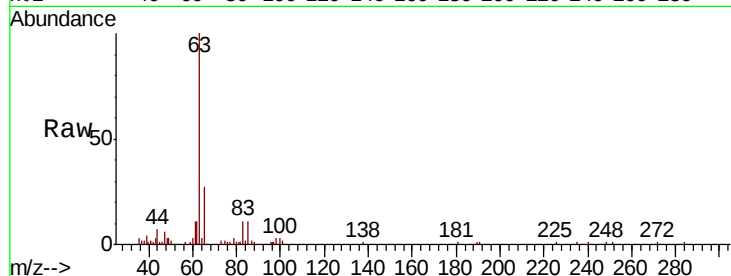
Tot Ion: 63 Resp: 85693

Ion Ratio Lower Upper

63 100

98 2.0 1.7 5.1

100 5.0 1.1 3.1#



#25

Ethyl Acetate

Concen: 0.264 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Tgt Ion: 43 Resp: 94724

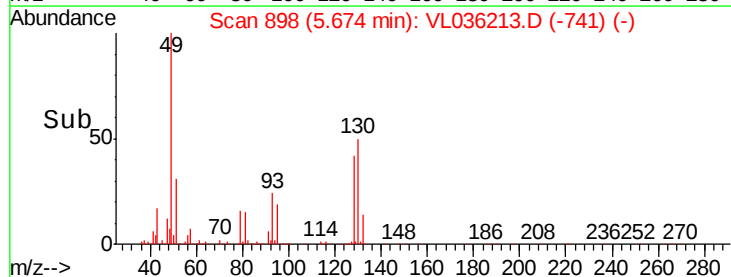
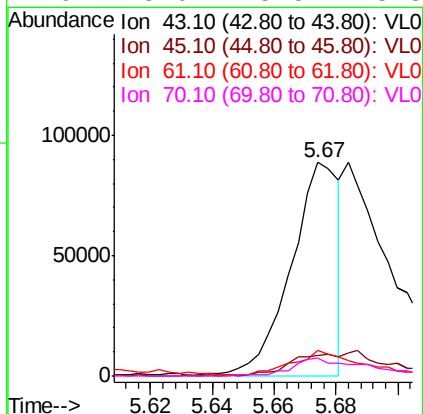
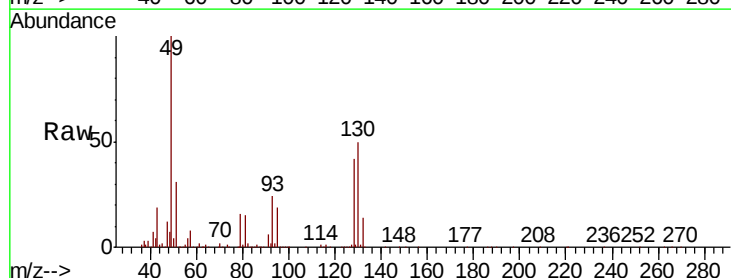
Ion Ratio Lower Upper

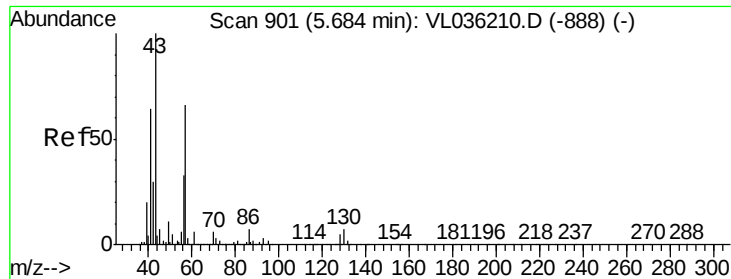
43 100

45 0.0 8.3 12.5#

61 19.9 7.4 11.2#

70 15.0 5.5 8.3#

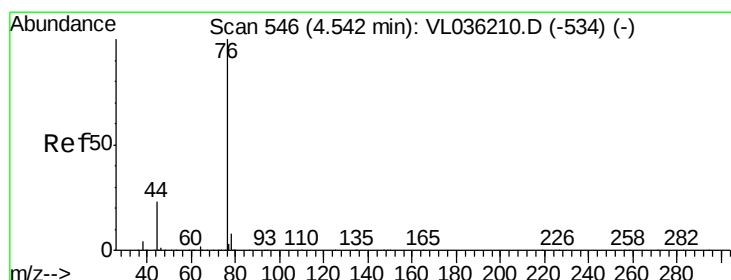
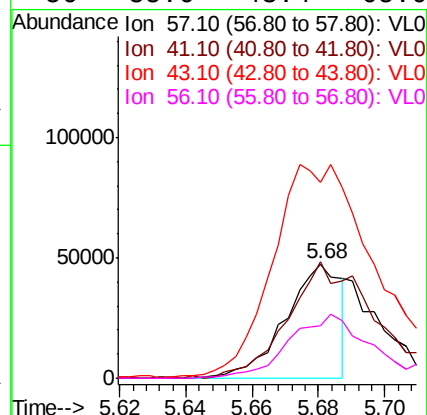
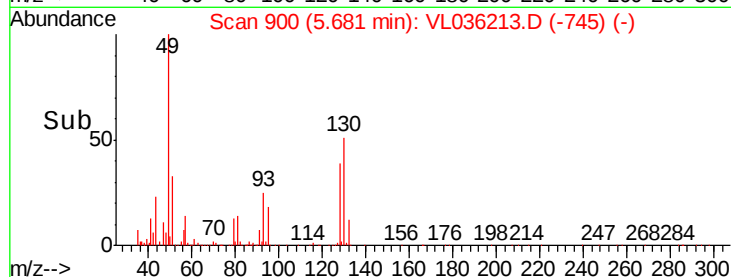
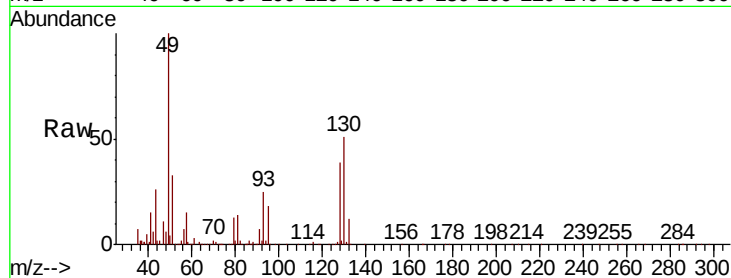




#26
Hexane
Concen: 0.345 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

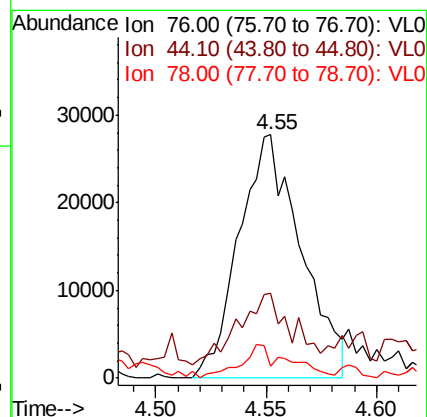
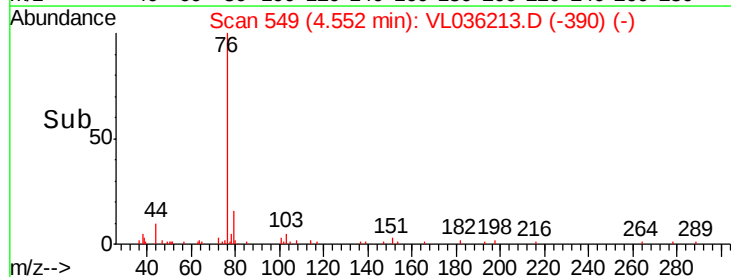
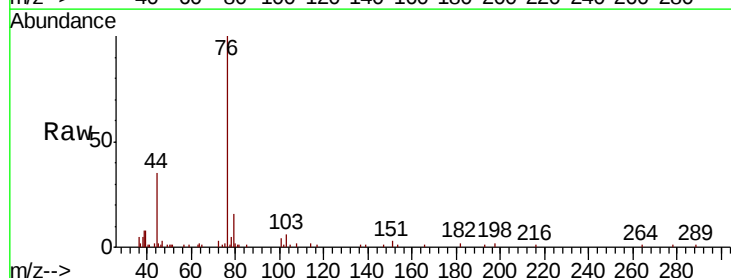
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

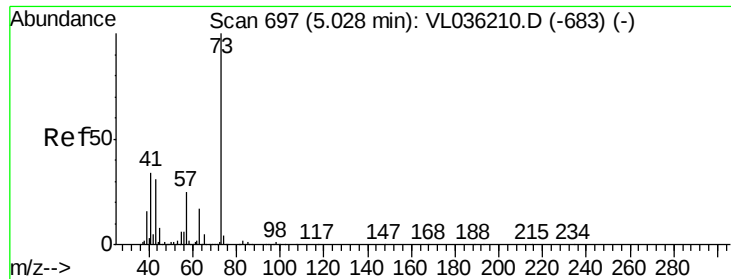
Tot Ion:	57	Resp:	55758
Ion	Ratio	Lower	Upper
57	100		
41	167.7	83.0	124.6#
43	395.2	202.4	303.6#
56	85.6	43.4	65.0#



#27
Carbon Disulfide
Concen: 0.349 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion:	76	Resp:	54236
Ion	Ratio	Lower	Upper
76	100		
44	27.2	19.0	28.6
78	13.9	8.0	12.0#

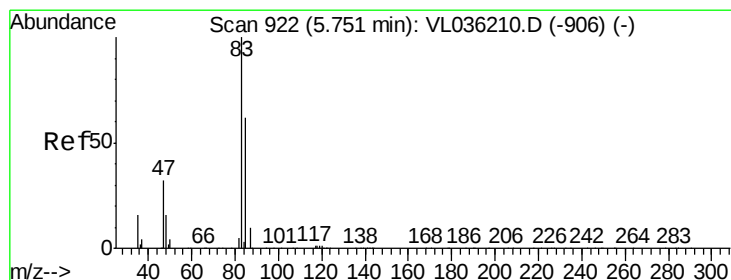
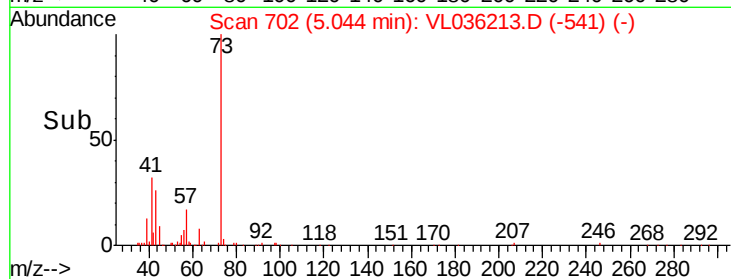
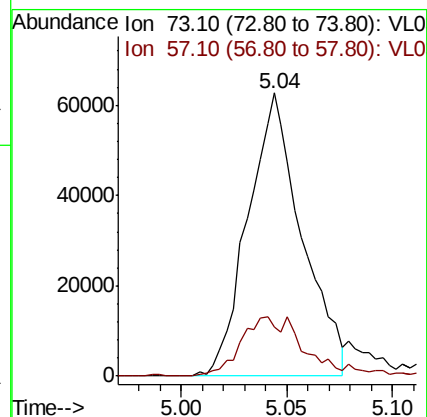
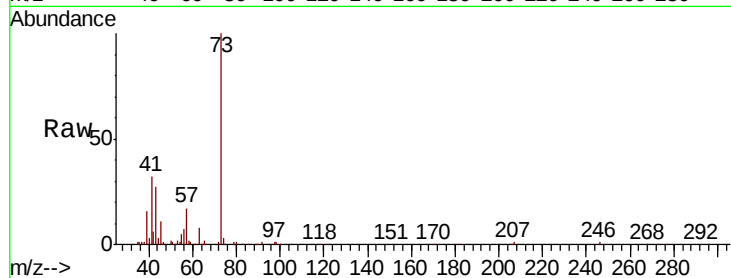




#28
Methvl tert-Butvl Ether
Concen: 0.494 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.02 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

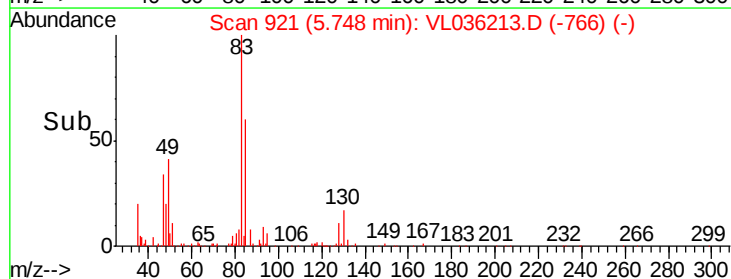
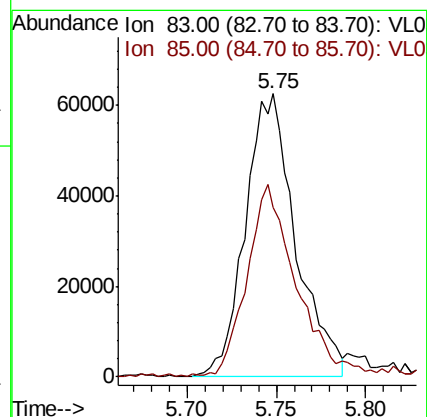
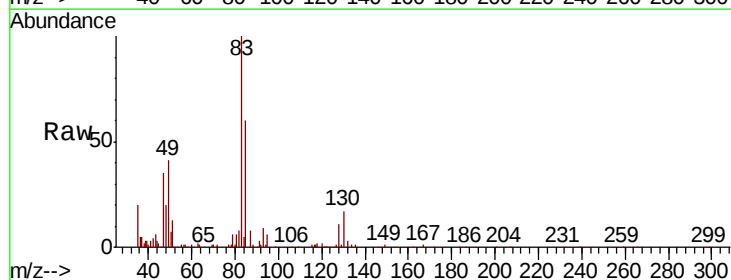
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

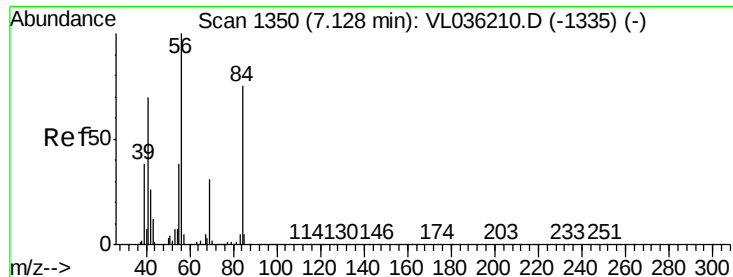
Tot Ion: 73 Resp: 111077
Ion Ratio Lower Upper
73 100
57 25.7 20.4 30.6



#29
Chloroform
Concen: 0.575 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion: 83 Resp: 123054
Ion Ratio Lower Upper
83 100
85 58.7 49.3 73.9

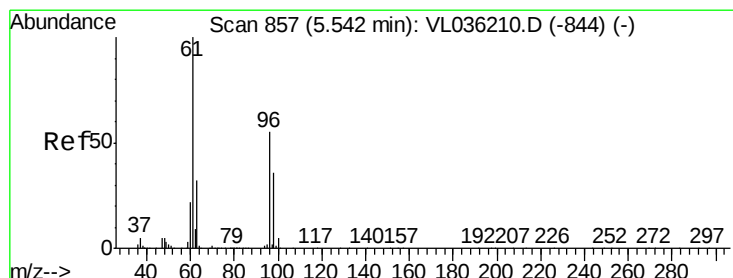
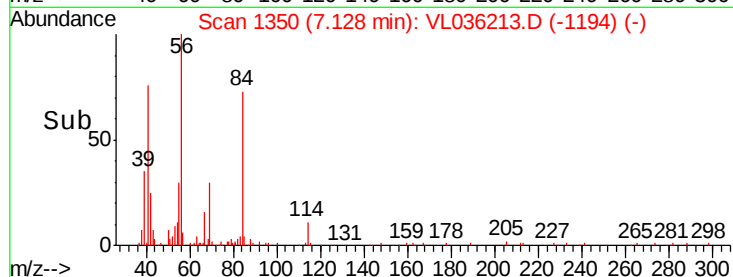
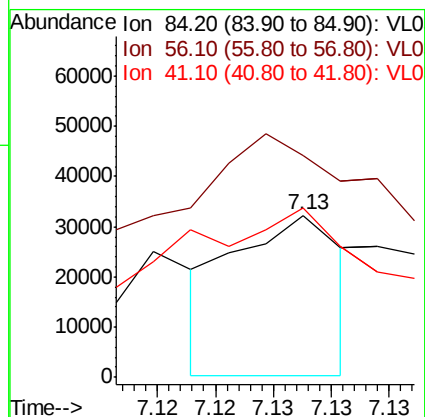
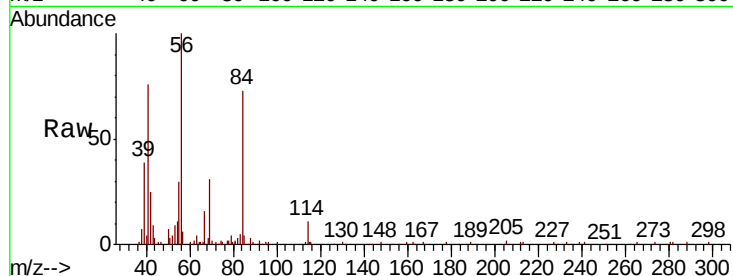




#30
Cvclohexane
Concen: 0.173 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

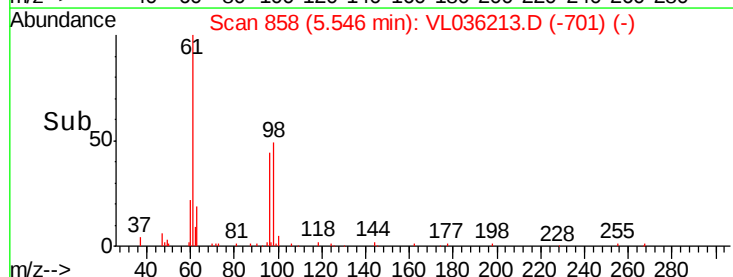
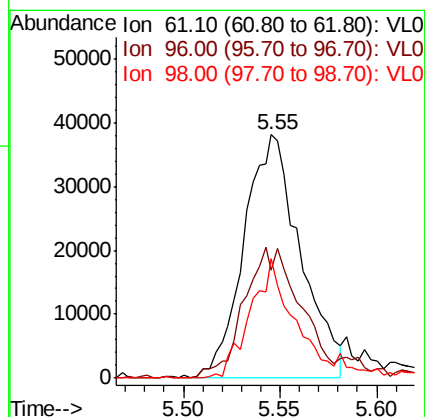
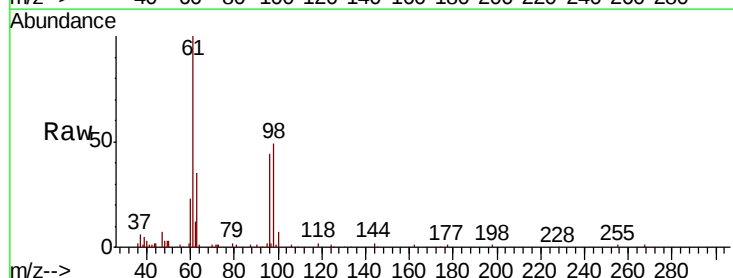
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

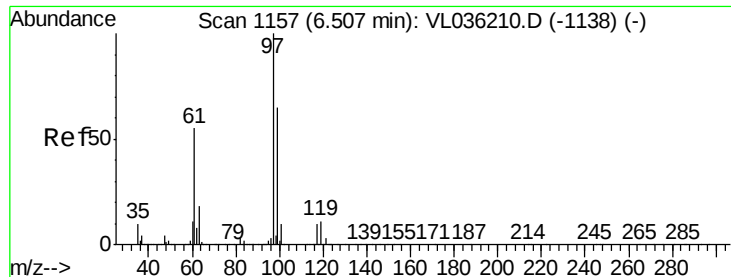
Tot Ion: 84 Resp: 20913
Ion Ratio Lower Upper
84 100
56 447.0 119.4 179.0#
41 337.6 79.4 119.0#



#31
cis-1,2-Dichloroethene
Concen: 0.523 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion: 61 Resp: 77459
Ion Ratio Lower Upper
61 100
96 44.3 44.1 66.1
98 49.2 28.6 42.8#





#32

1,1,1-Trichloroethane

Concen: 0.506 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

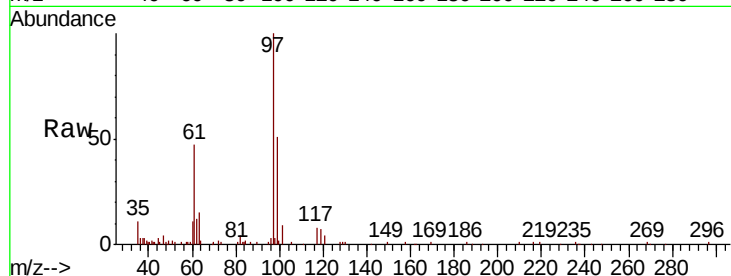
Tot Ion: 97 Resp: 111678

Ion Ratio Lower Upper

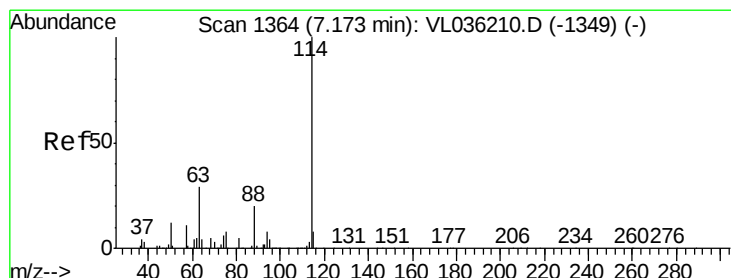
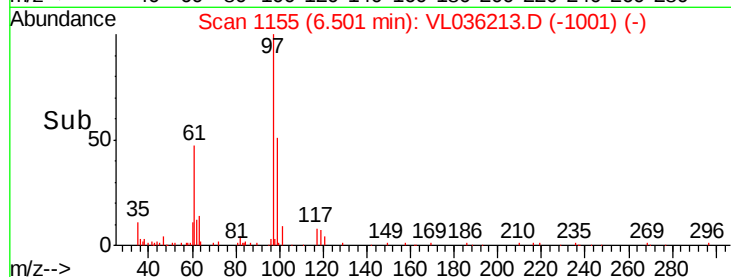
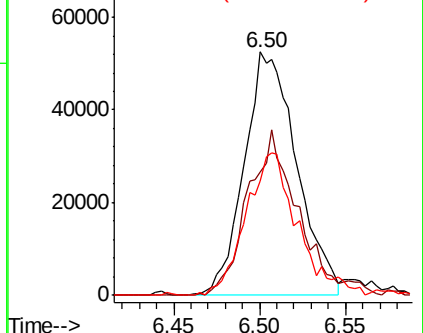
97 100

99 66.2 52.0 78.0

61 59.1 43.6 65.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

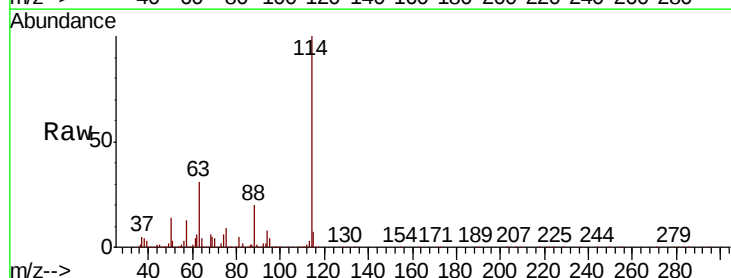
Tgt Ion: 114 Resp: 3369653

Ion Ratio Lower Upper

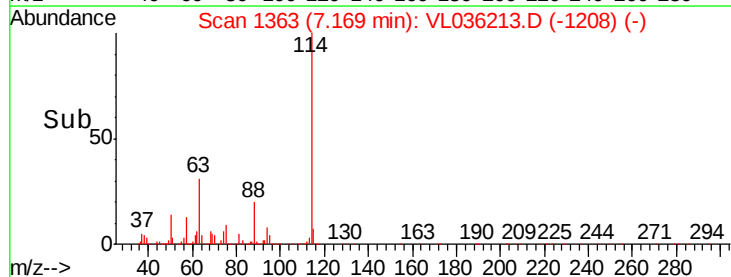
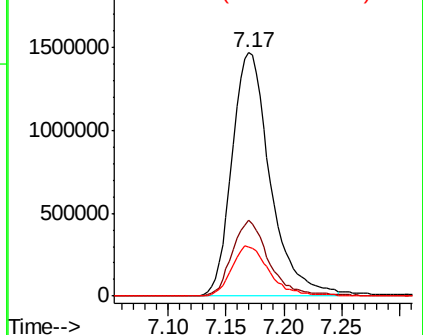
114 100

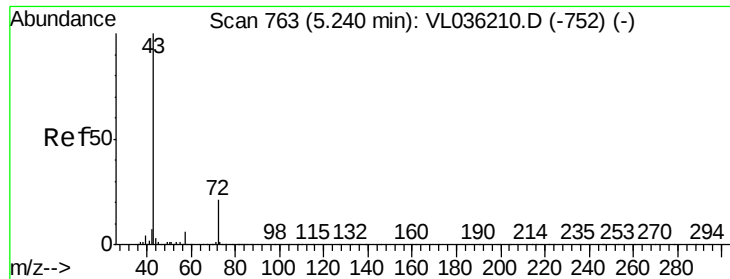
63 30.3 24.7 37.1

88 20.4 16.6 24.8



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

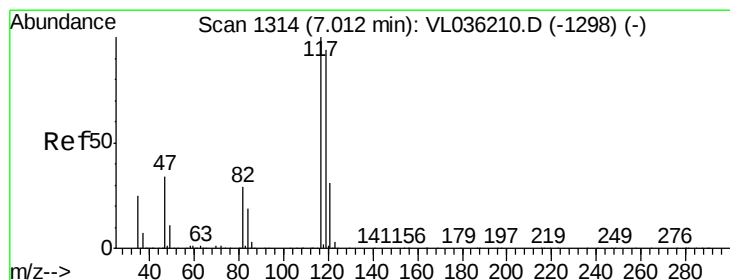
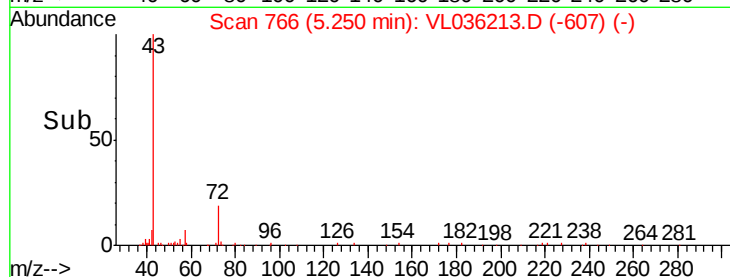
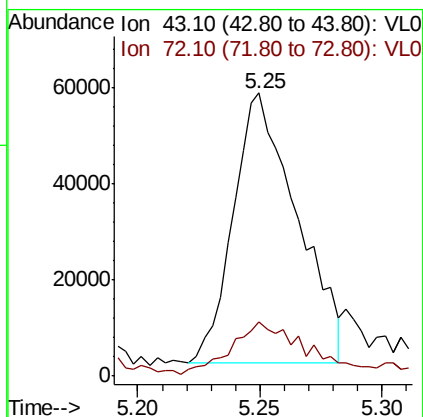
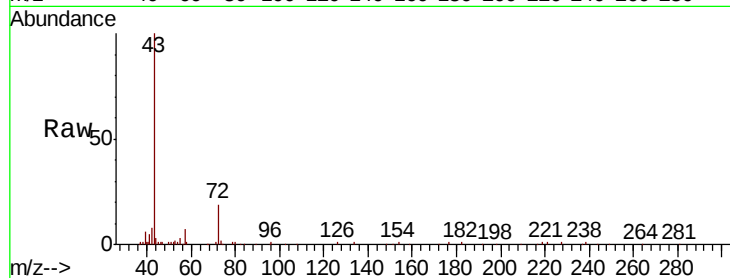




#34
2-Butanone
Concen: 0.448 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.01 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

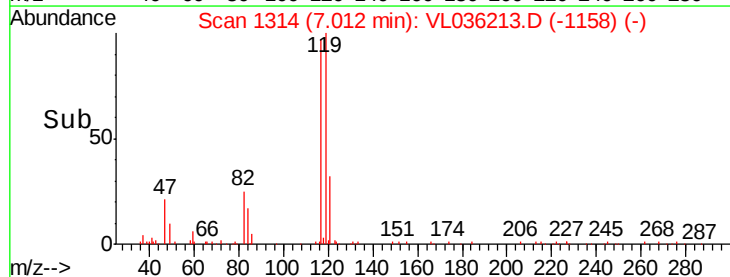
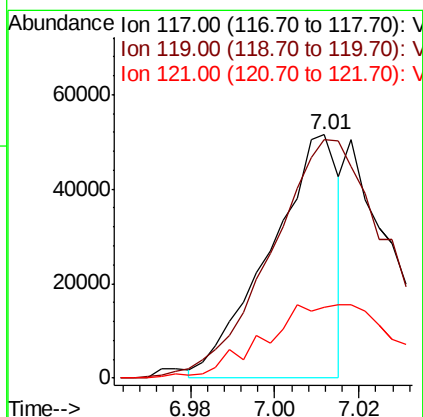
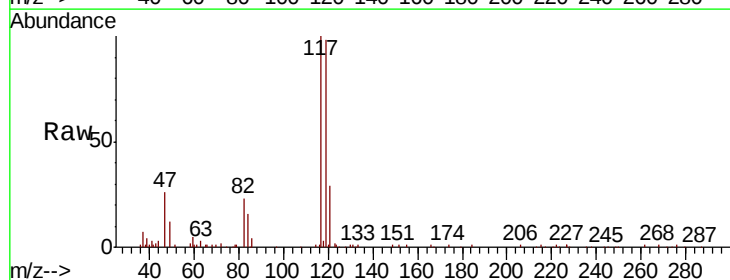
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

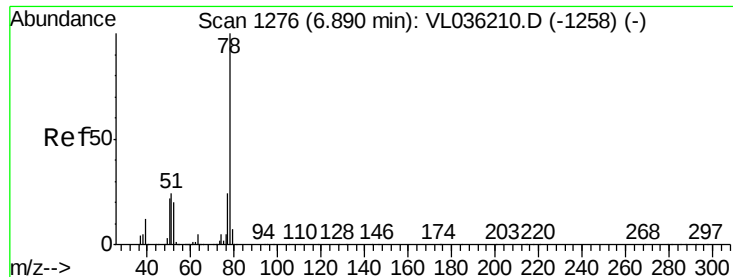
Tot Ion: 43 Resp: 101309
Ion Ratio Lower Upper
43 100
72 26.9 16.1 24.1#



#35
Carbon Tetrachloride
Concen: 0.298 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion: 117 Resp: 58578
Ion Ratio Lower Upper
117 100
119 97.3 74.9 112.3
121 28.4 25.0 37.6





#36

Benzene

Concen: 0.568 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

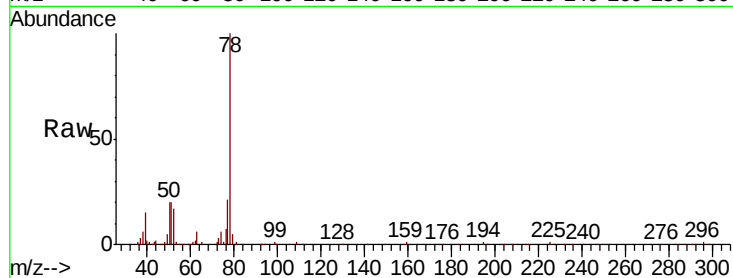
MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 162818

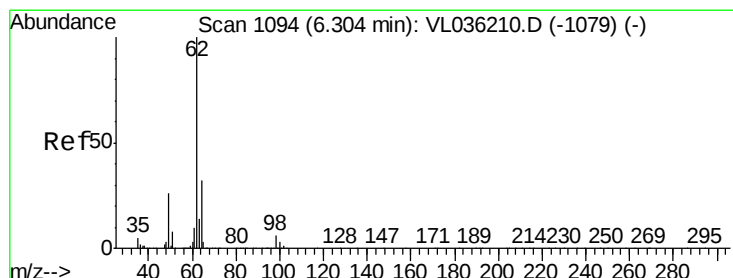
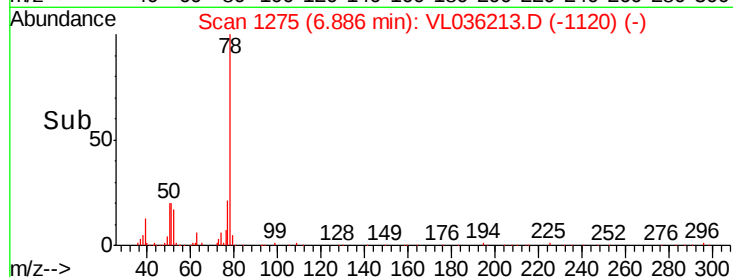
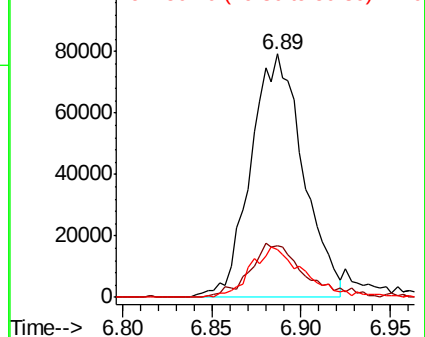
Ion	Ratio	Lower	Upper
78	100		
77	21.0	19.4	29.0
50	19.8	17.4	26.2



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.594 ppbv

RT: 6.30 min Scan# 1093

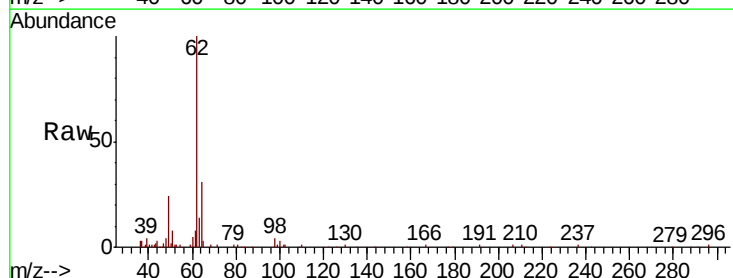
Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

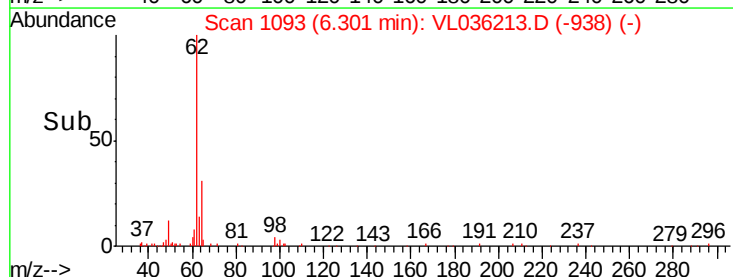
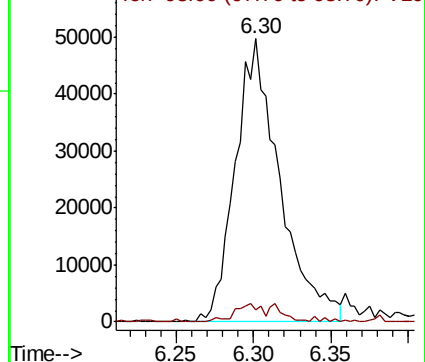
Tgt Ion: 62 Resp: 99241

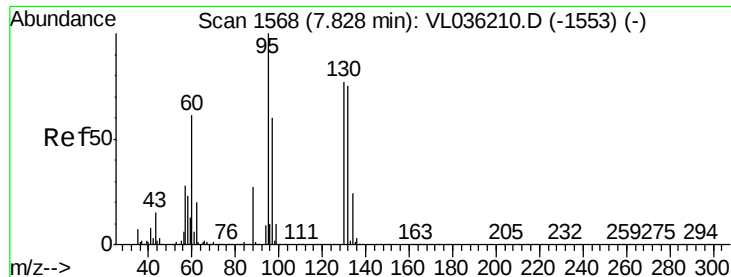
Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.4	6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.235 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:130 Resp: 24909

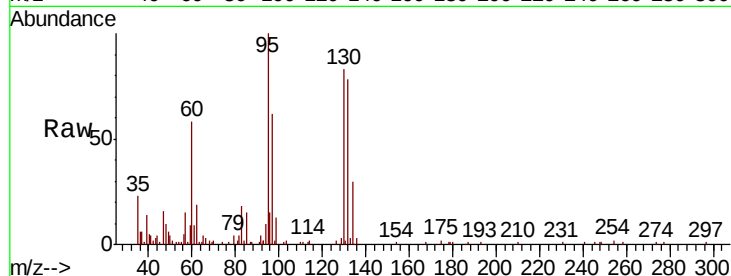
Ion Ratio Lower Upper

130 100

95 122.6 103.9 155.9

132 97.0 77.4 116.2

97 73.2 62.5 93.7

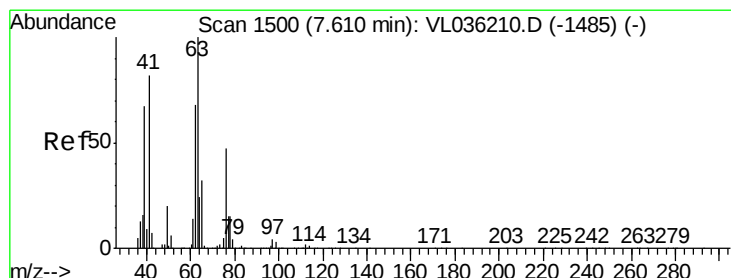
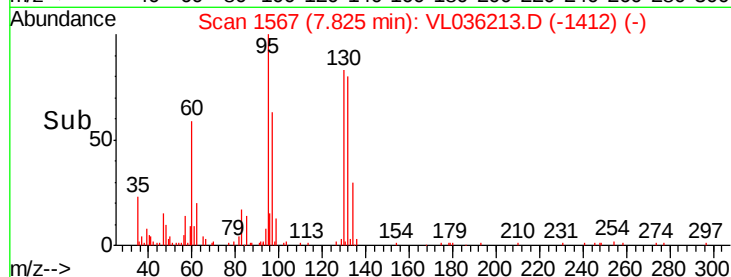
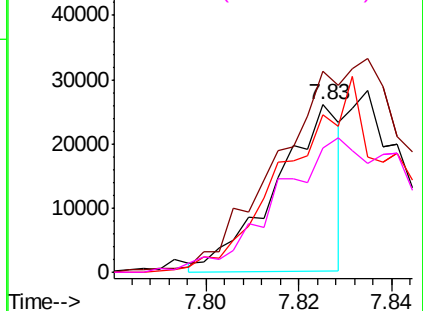


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.601 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

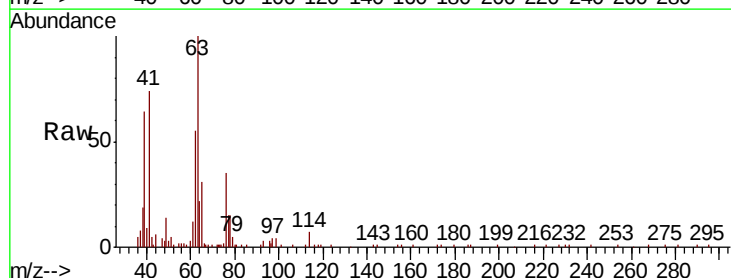
Tgt Ion: 63 Resp: 68317

Ion Ratio Lower Upper

63 100

41 71.7 66.1 99.1

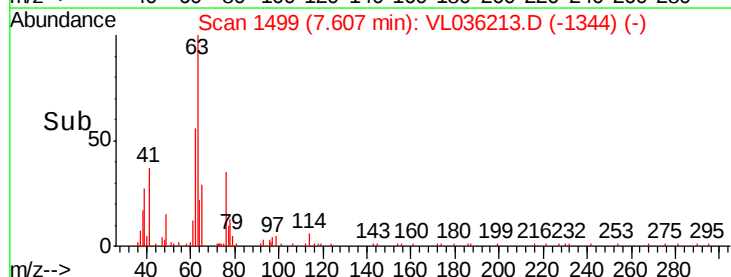
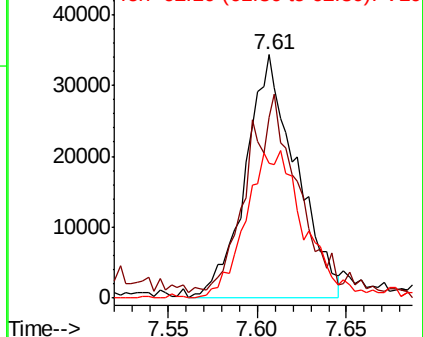
62 55.2 54.8 82.2

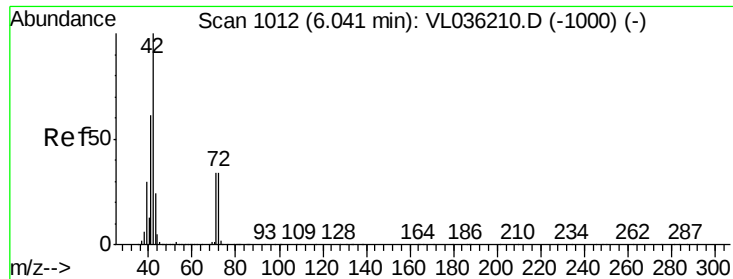


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.368 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

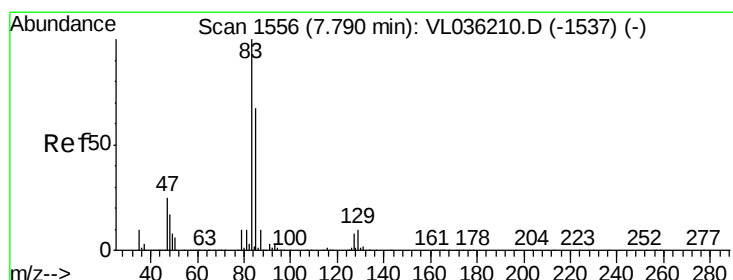
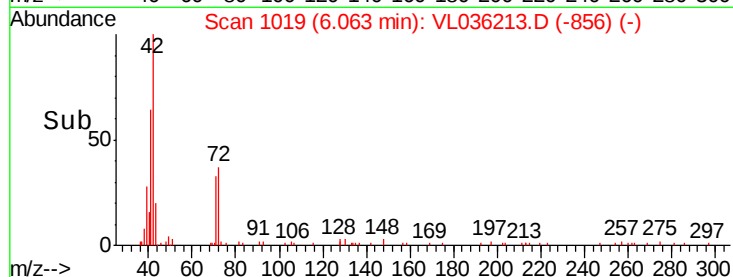
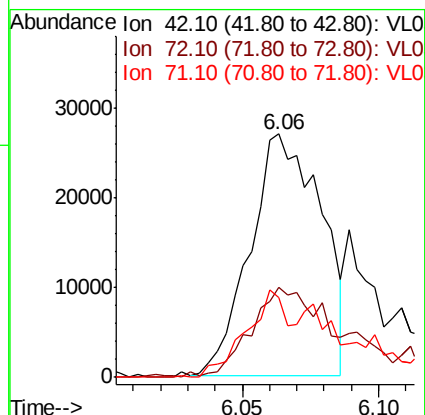
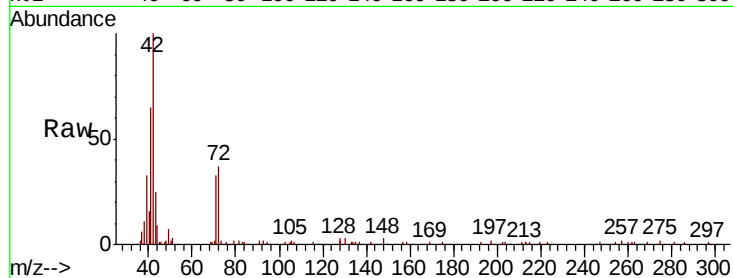
Tot Ion: 42 Resp: 48841

Ion Ratio Lower Upper

42 100

72 56.0 29.5 44.3#

71 53.2 29.1 43.7#



#42

Bromodichloromethane

Concen: 0.504 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

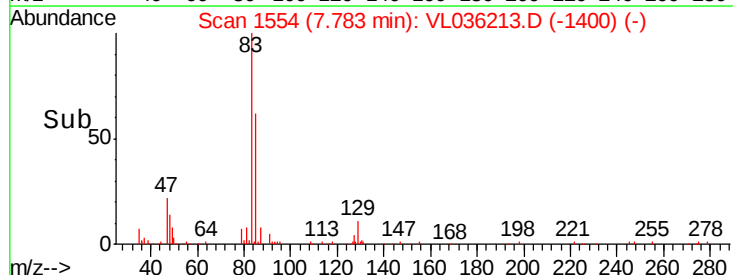
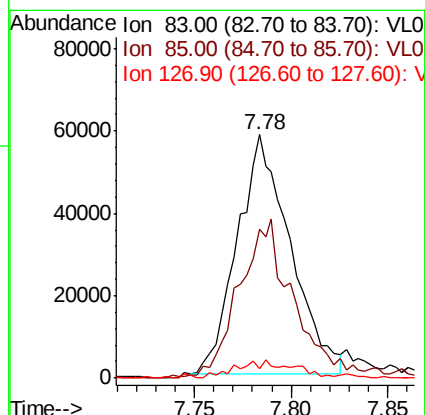
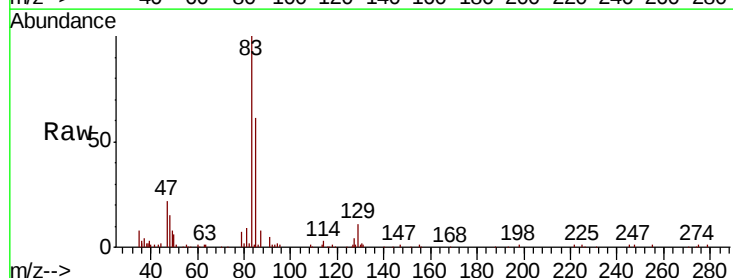
Tgt Ion: 83 Resp: 111218

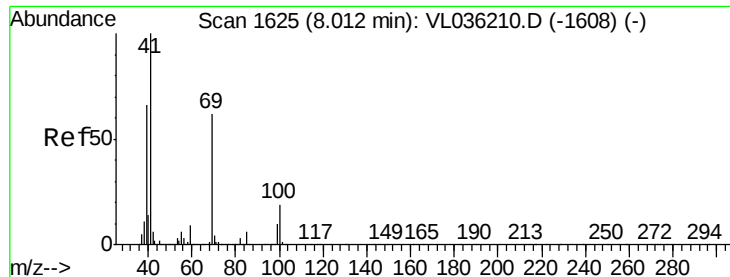
Ion Ratio Lower Upper

83 100

85 61.1 53.4 80.2

127 2.8 6.2 9.2#





#43

Methyl Methacrylate

Concen: 0.478 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. 0.00 min

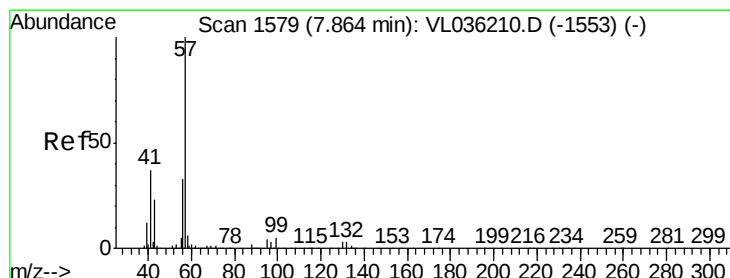
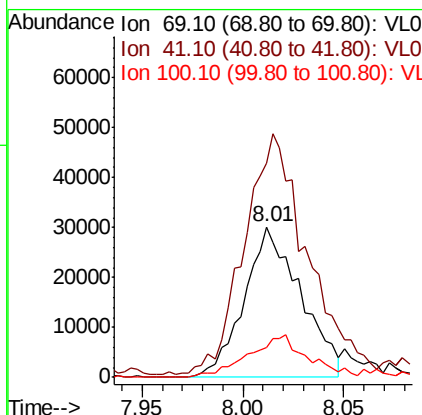
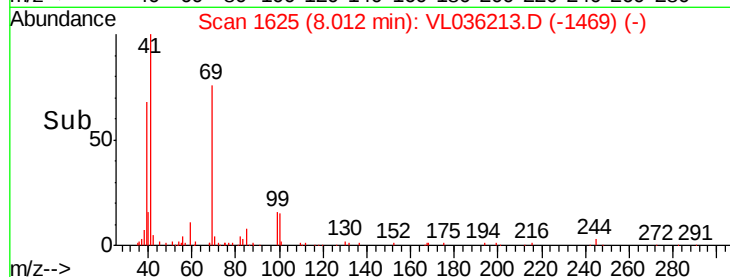
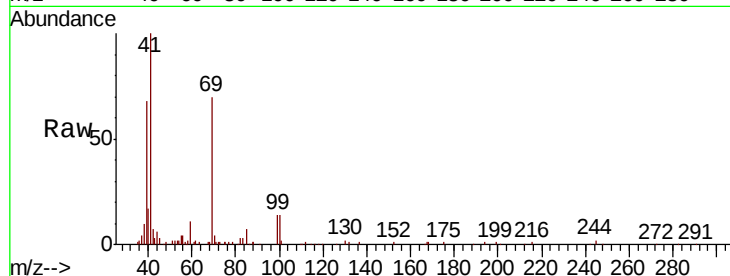
Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 69 Resp: 58852

Ion	Ratio	Lower	Upper
69	100		
41	182.4	133.4	200.2
100	29.2	24.3	36.5



#44

2,2,4-Trimethylpentane

Concen: 0.611 ppbv

RT: 7.86 min Scan# 1579

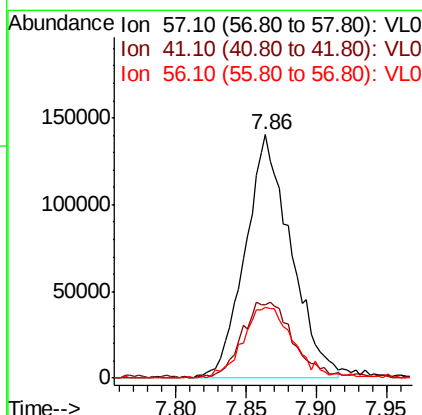
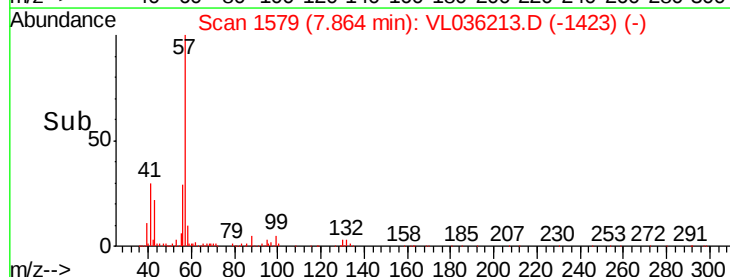
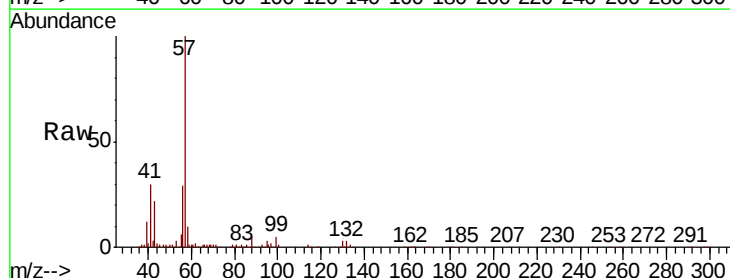
Delta R.T. -0.00 min

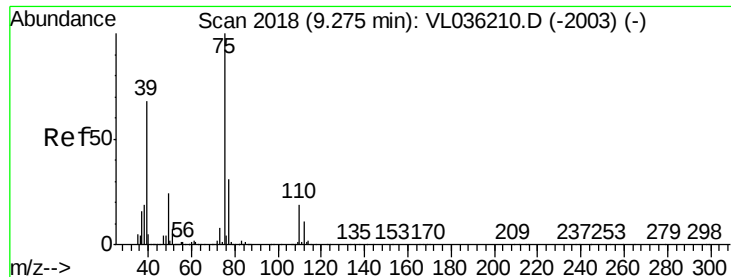
Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Tgt Ion: 57 Resp: 316173

Ion	Ratio	Lower	Upper
57	100		
41	35.7	28.5	42.7
56	32.6	25.5	38.3

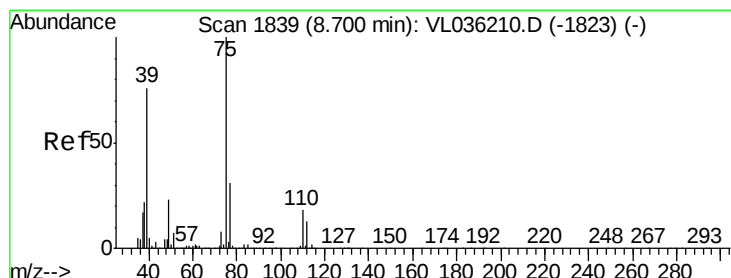
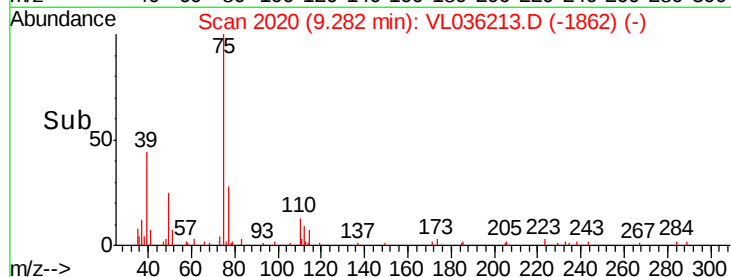
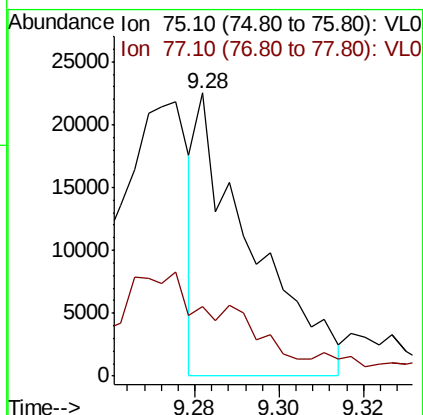
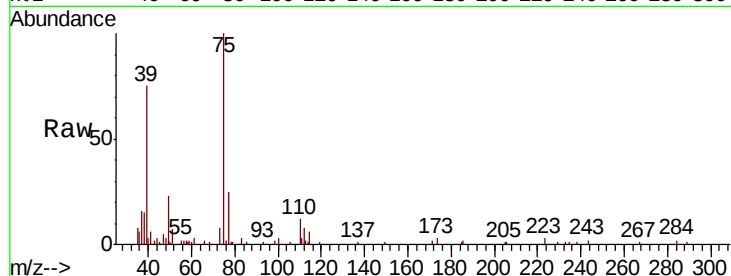




#45
t-1,3-Dichloropropene
Concen: 0.159 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.01 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

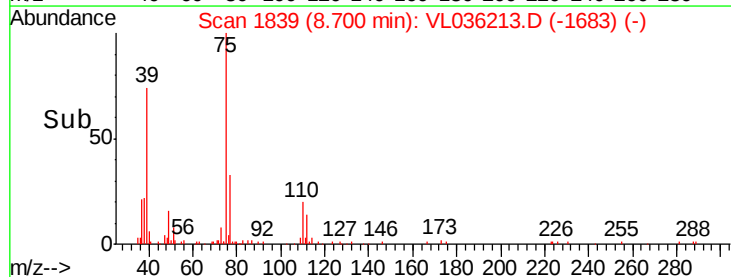
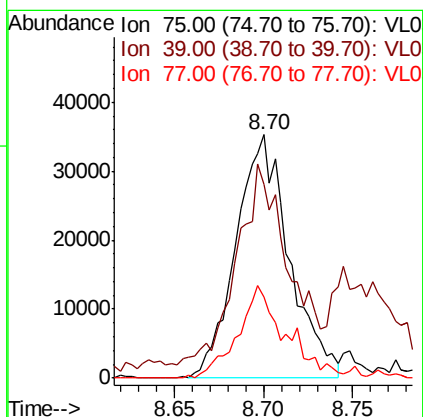
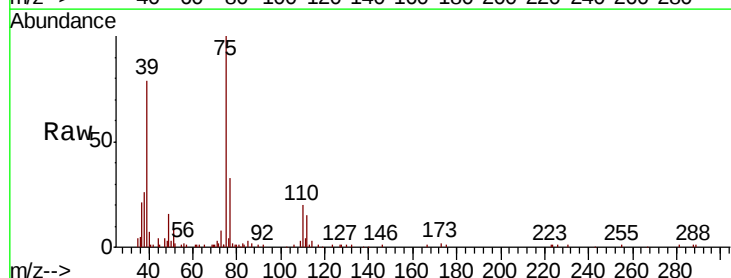
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

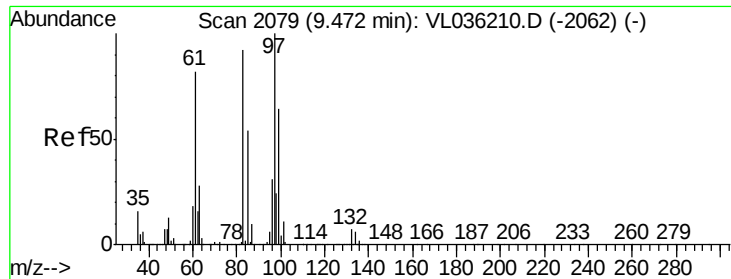
Tot Ion: 75 Resp: 20038
Ion Ratio Lower Upper
75 100
77 24.7 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 0.462 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion: 75 Resp: 73409
Ion Ratio Lower Upper
75 100
39 70.7 61.2 91.8
77 31.7 24.6 37.0

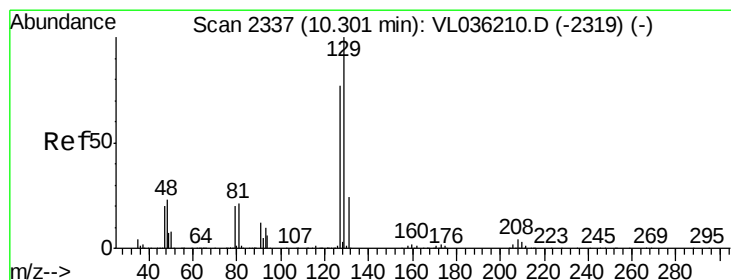
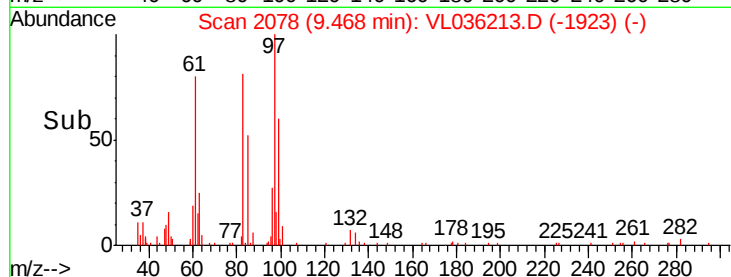
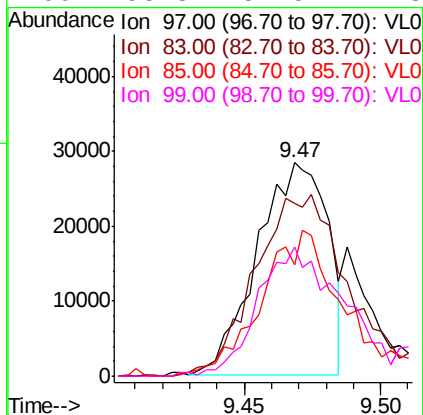
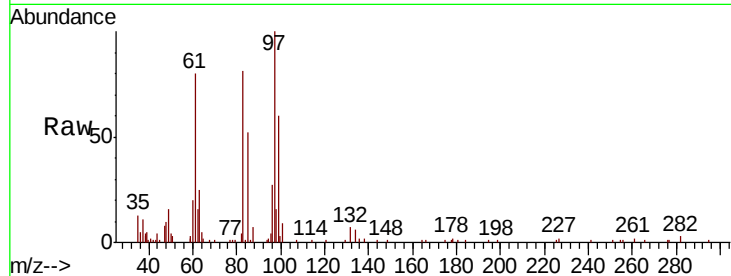




#47
 1,1,2-Trichloroethane
 Concen: 0.463 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

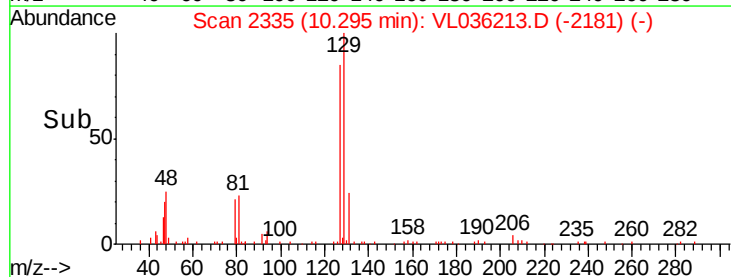
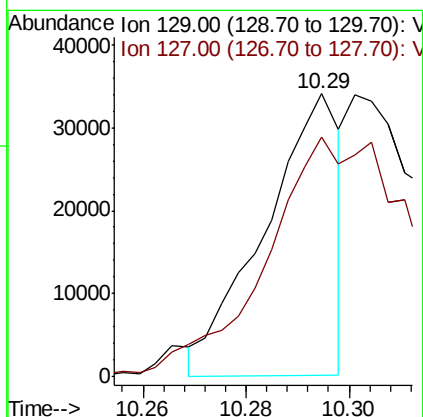
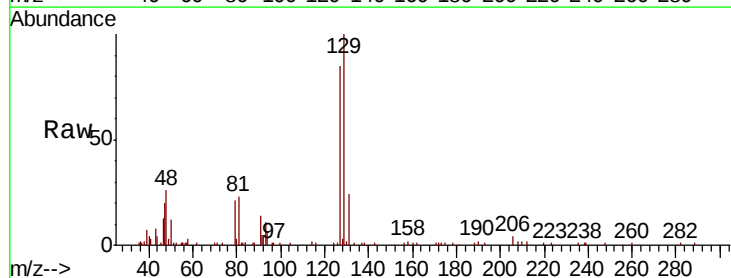
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

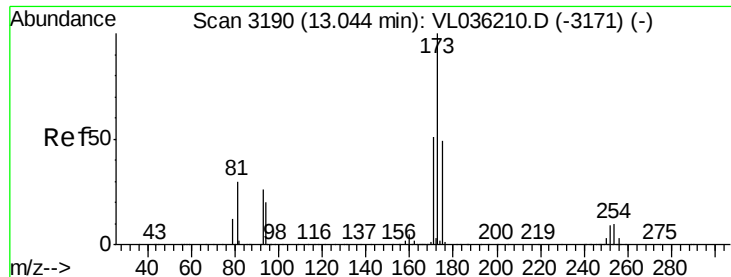
Tot Ion:	97	Resp:	50702
Ion	Ratio	Lower	Upper
97	100		
83	79.9	73.3	109.9
85	51.0	43.2	64.8
99	58.8	51.5	77.3



#48
 Dibromochloromethane
 Concen: 0.210 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Tgt Ion:	129	Resp:	34426
Ion	Ratio	Lower	Upper
129	100		
127	187.0	39.6	118.8#





#49

Bromoform

Concen: 0.475 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

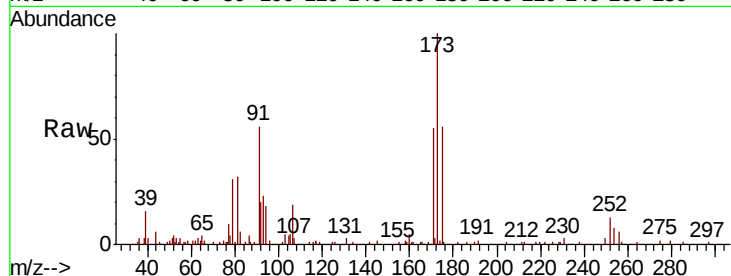
Tot Ion:173 Resp: 61578

Ion Ratio Lower Upper

173 100

175 52.3 40.7 61.1

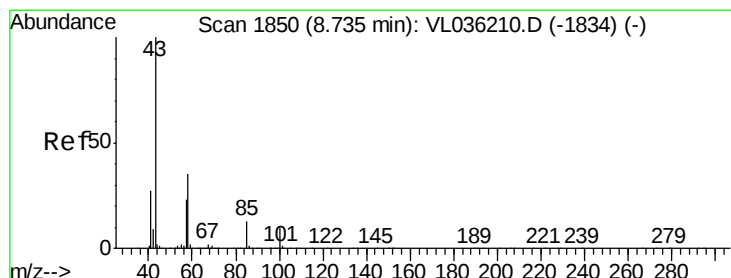
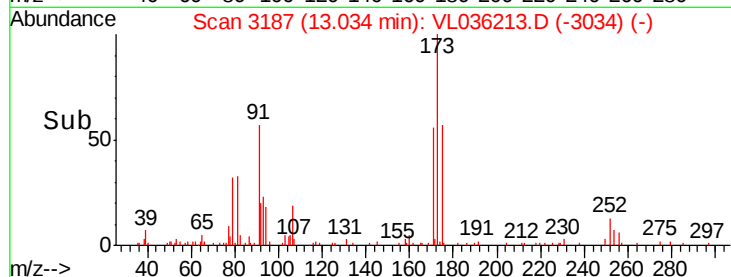
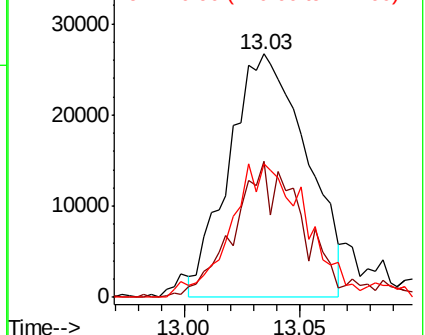
171 56.5 43.0 64.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.504 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.02 min

Lab File: VL036213.D

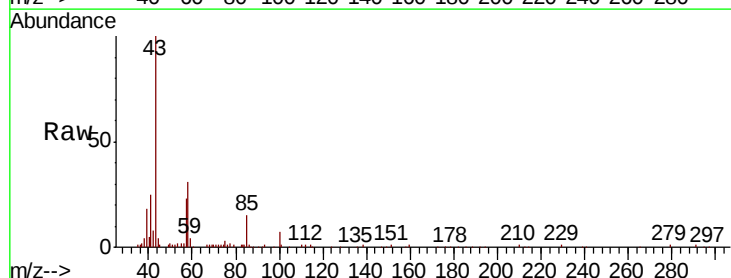
Acq: 13 Jan 2021 4:30

Tgt Ion: 43 Resp: 169445

Ion Ratio Lower Upper

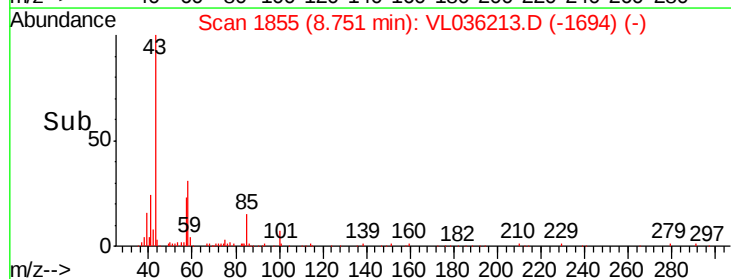
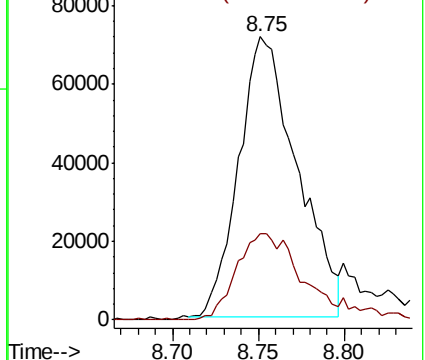
43 100

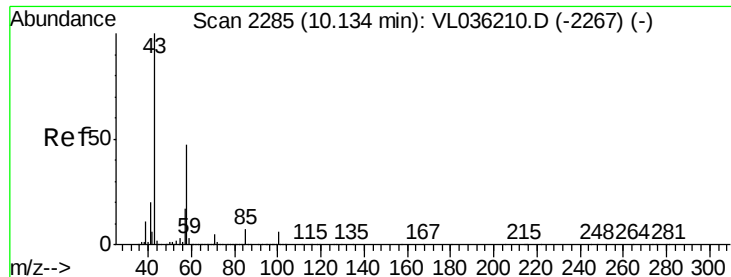
58 36.9 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

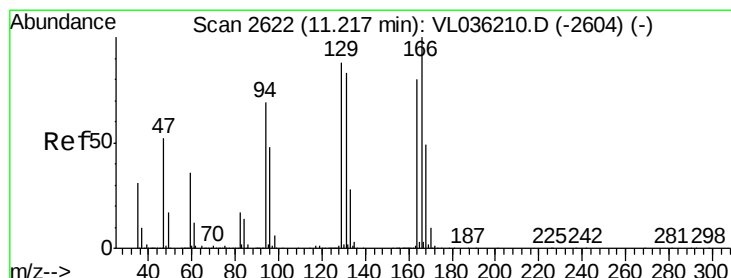
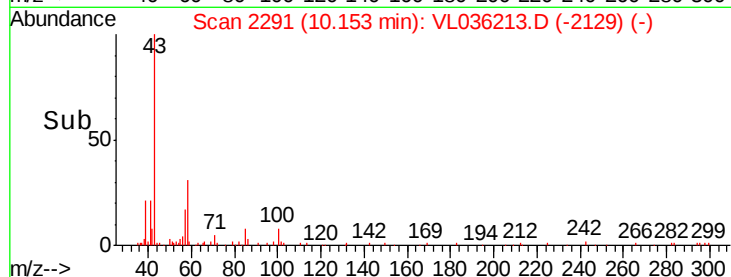
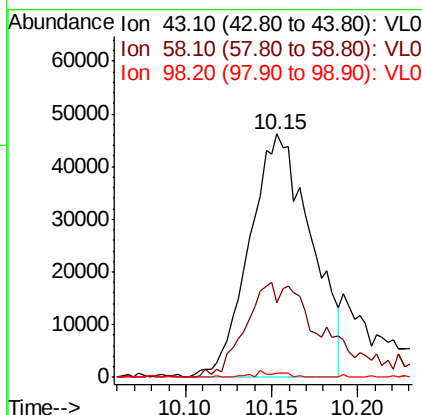
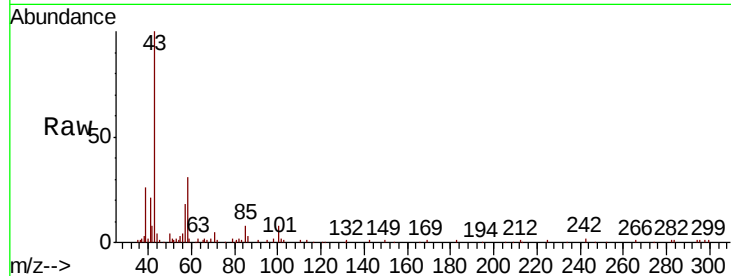




#51
2-Hexanone
Concen: 0.431 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

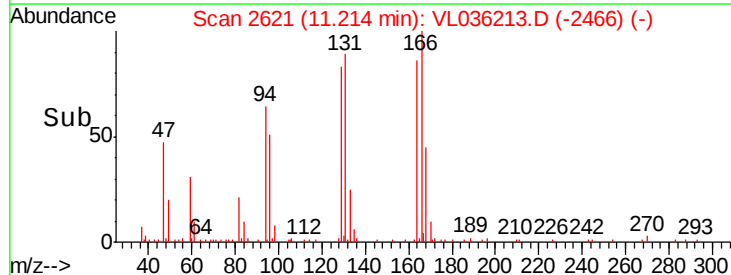
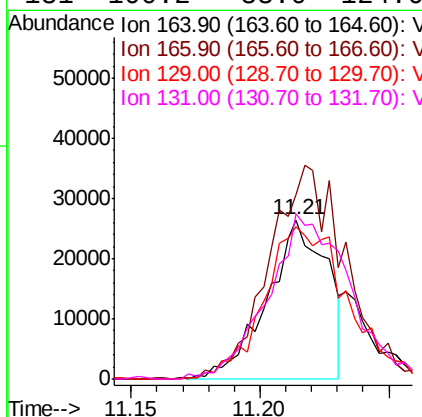
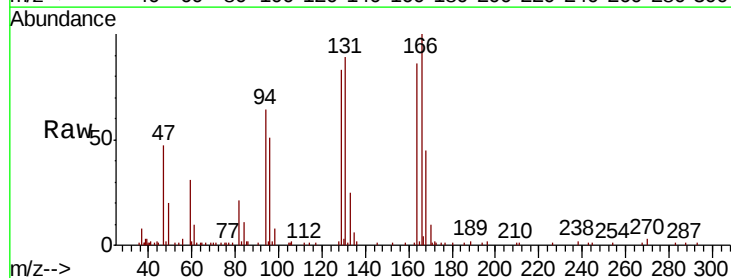
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

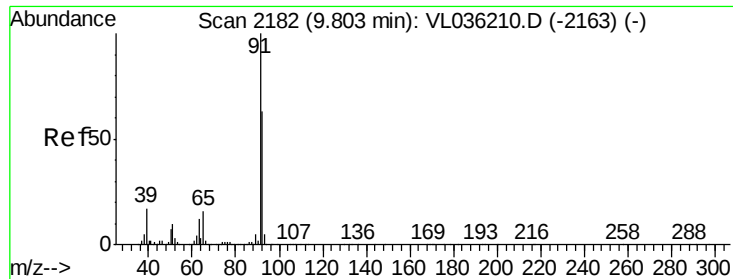
Tot Ion: 43 Resp: 114885
Ion Ratio Lower Upper
43 100
58 51.5 37.4 56.0
98 0.6 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.413 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion: 164 Resp: 42629
Ion Ratio Lower Upper
164 100
166 115.0 99.9 149.9
129 95.1 88.2 132.4
131 100.2 83.0 124.6





#53

Toluene

Concen: 0.544 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

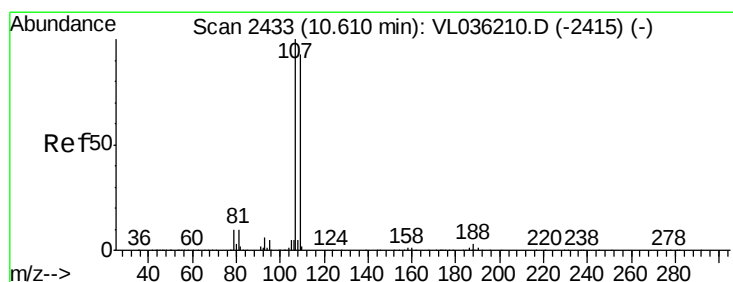
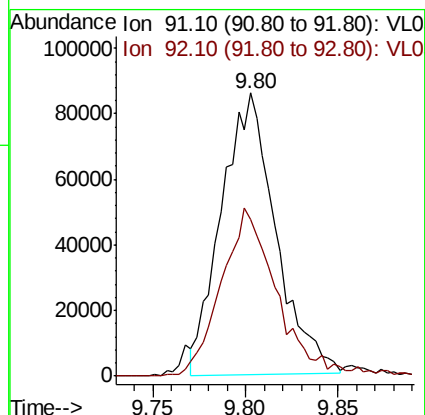
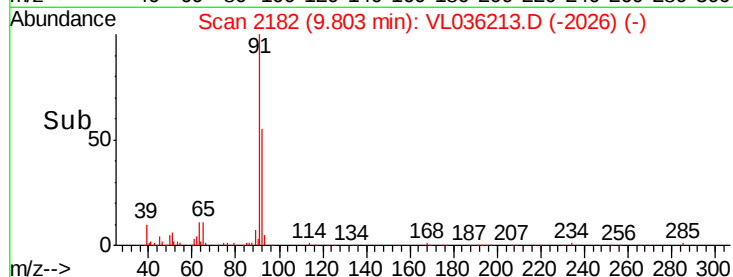
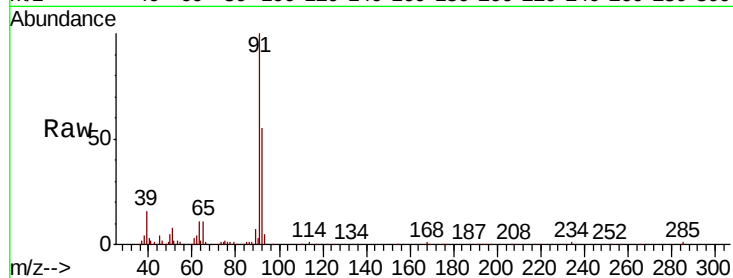
VSTDIC0.5

Tot Ion: 91 Resp: 175170

Ion Ratio Lower Upper

91 100

92 62.0 48.5 72.7



#54

1,2-Dibromoethane

Concen: 0.270 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL036213.D

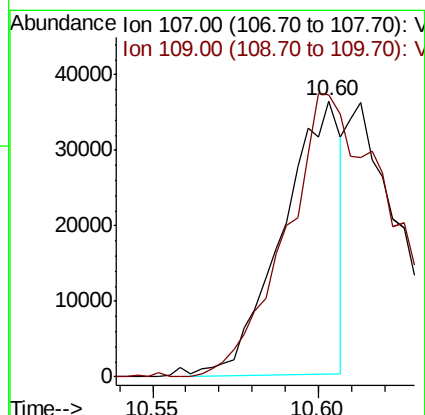
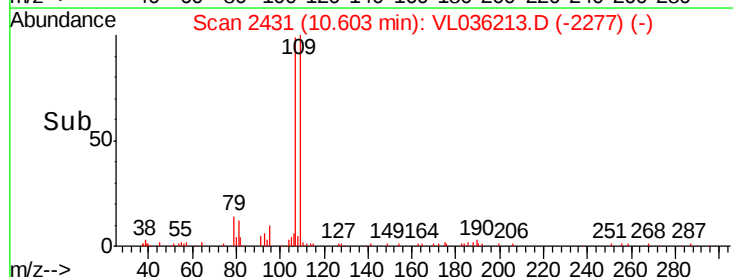
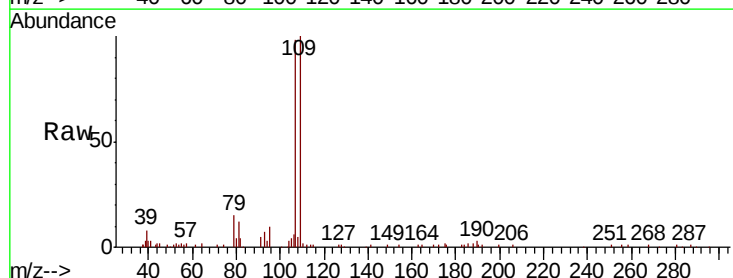
Acq: 13 Jan 2021 4:30

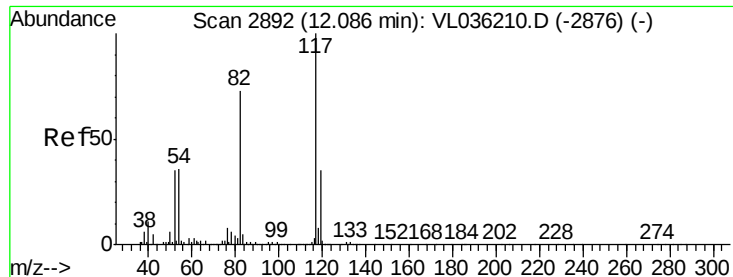
Tgt Ion: 107 Resp: 44359

Ion Ratio Lower Upper

107 100

109 103.8 74.5 111.7

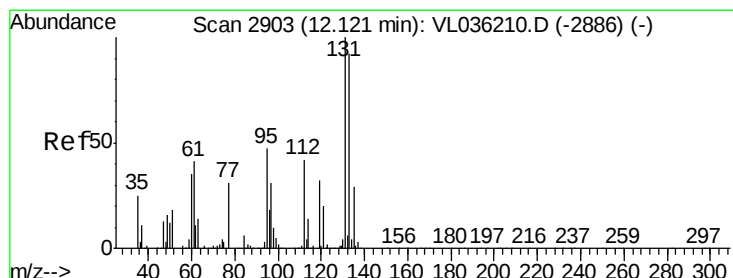
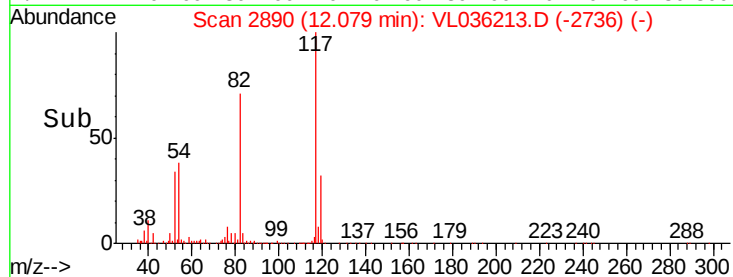
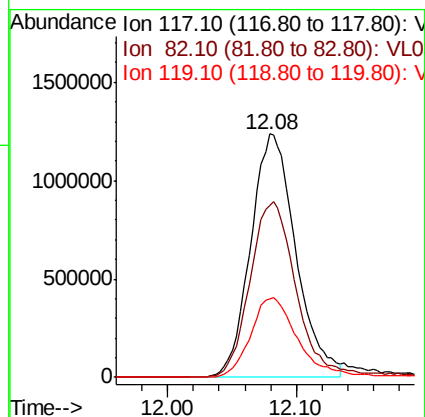
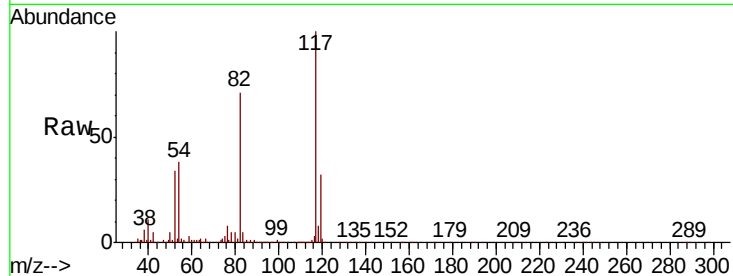




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

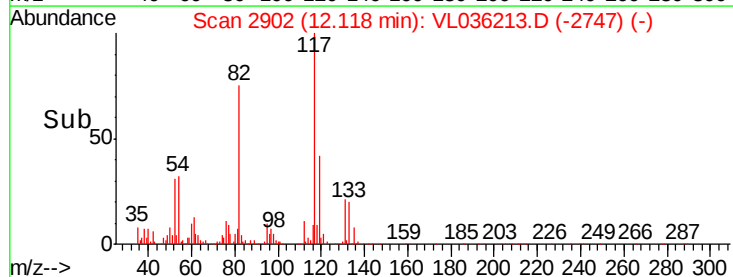
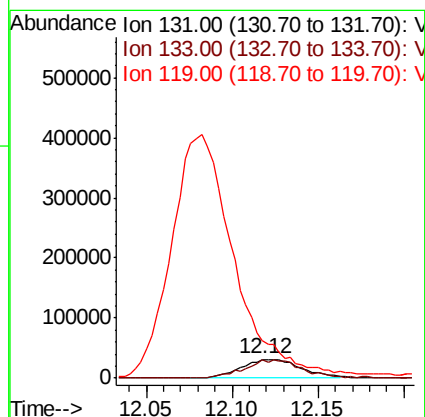
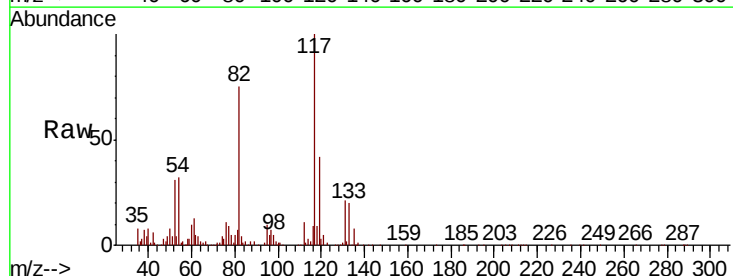
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

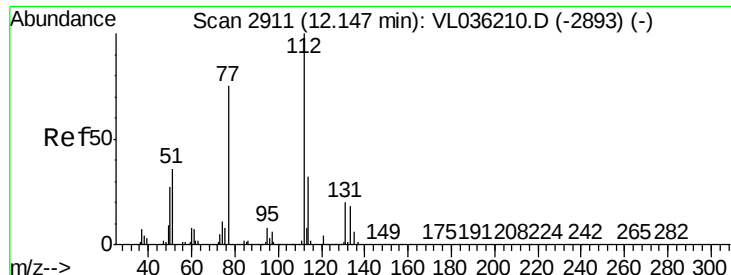
Tot Ion:117 Resp: 3009967
Ion Ratio Lower Upper
117 100
82 76.2 59.7 89.5
119 35.3 28.6 43.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.601 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion:131 Resp: 74990
Ion Ratio Lower Upper
131 100
133 94.5 76.5 114.7
119 1397.9 45.4 68.0#





#57

Chlorobenzene

Concen: 0.314 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

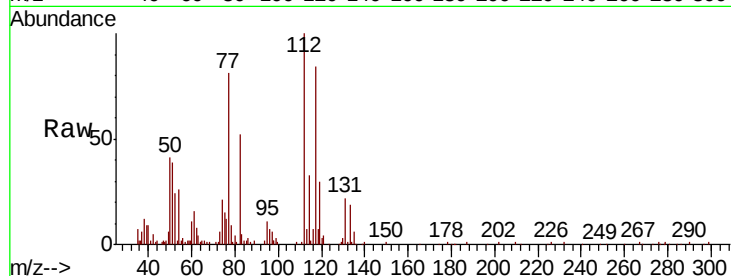
Tot Ion: 112 Resp: 66619

Ion Ratio Lower Upper

112 100

77 83.8 59.6 89.4

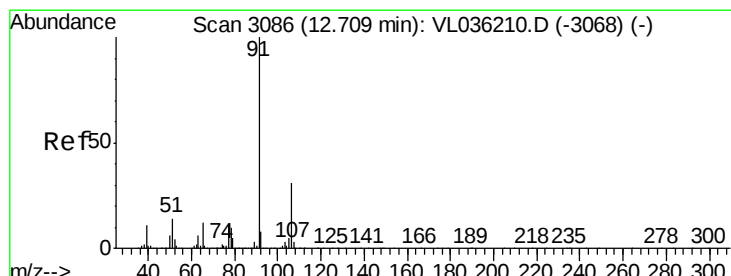
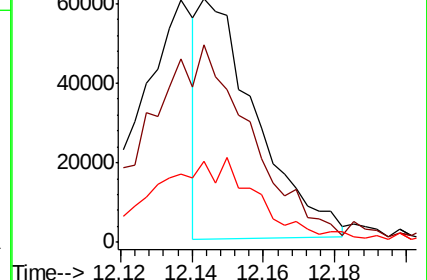
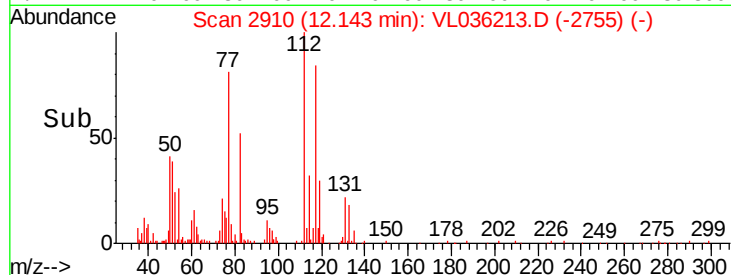
114 30.6 28.7 35.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.355 ppbv

RT: 12.96 min Scan# 3165

Delta R.T. 0.25 min

Lab File: VL036213.D

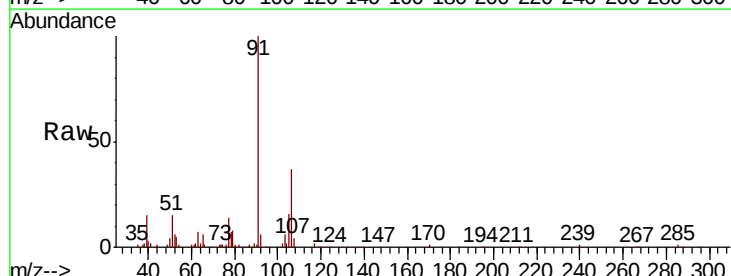
Acq: 13 Jan 2021 4:30

Tgt Ion: 91 Resp: 147497

Ion Ratio Lower Upper

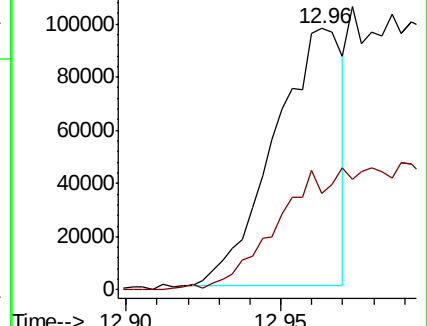
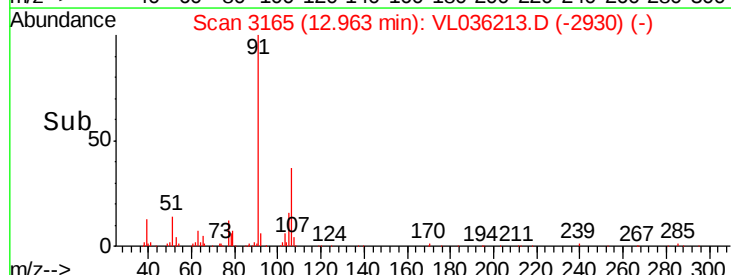
91 100

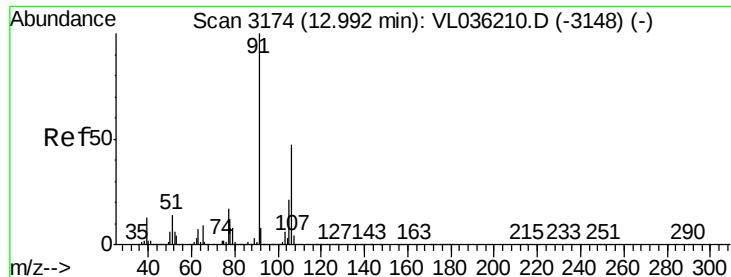
106 35.3 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.208 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

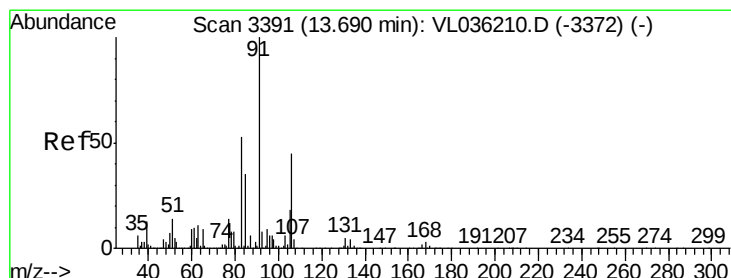
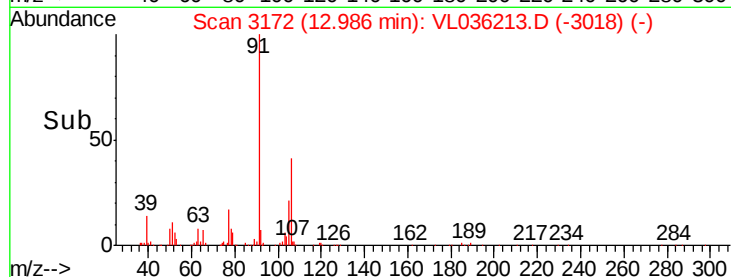
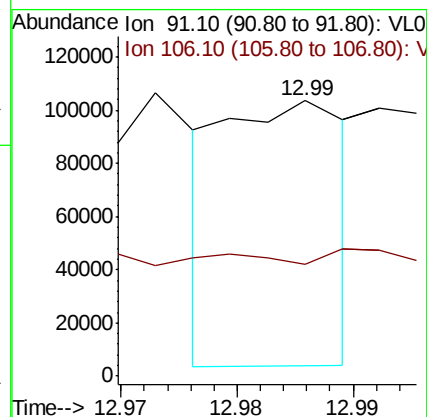
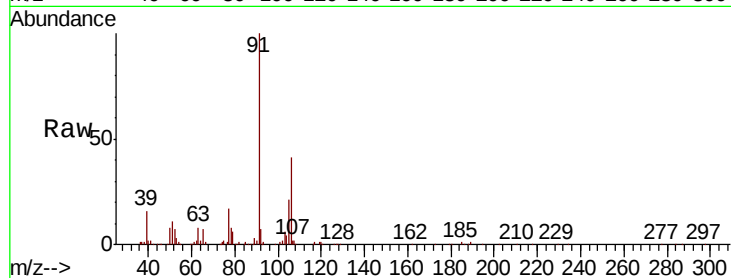
VSTDIC0.5

Tot Ion: 91 Resp: 72676

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#



#60

o-Xylene

Concen: 0.658 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VL036213.D

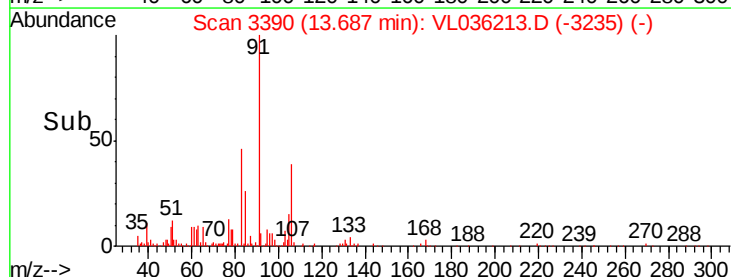
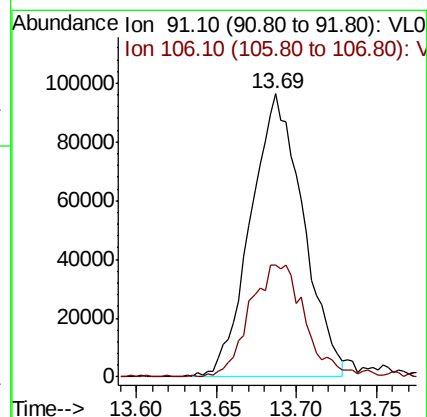
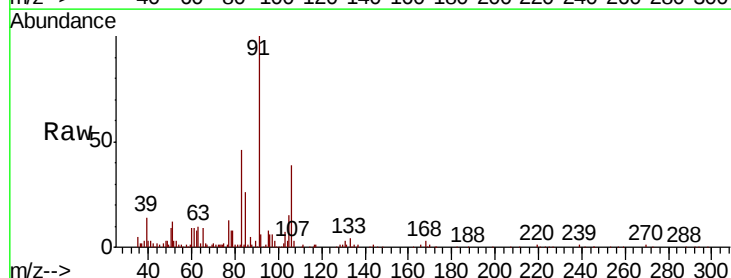
Acq: 13 Jan 2021 4:30

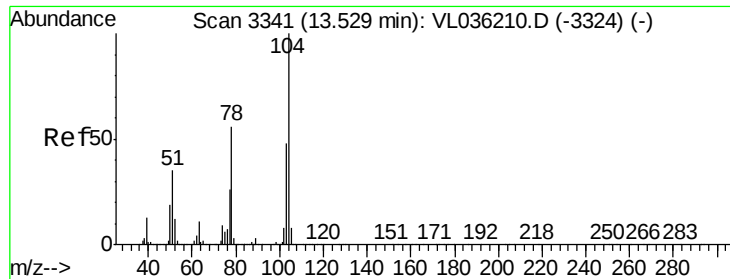
Tgt Ion: 91 Resp: 216923

Ion Ratio Lower Upper

91 100

106 42.0 21.9 65.8

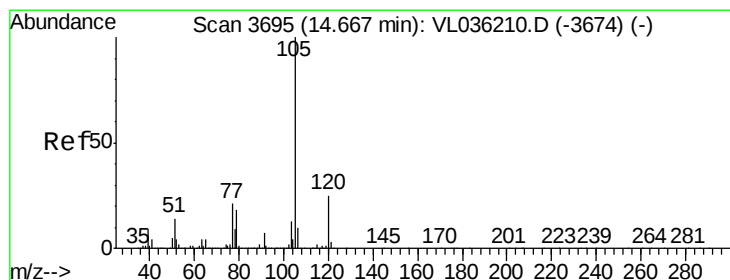
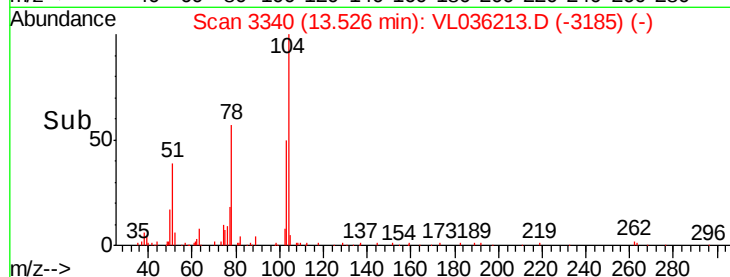
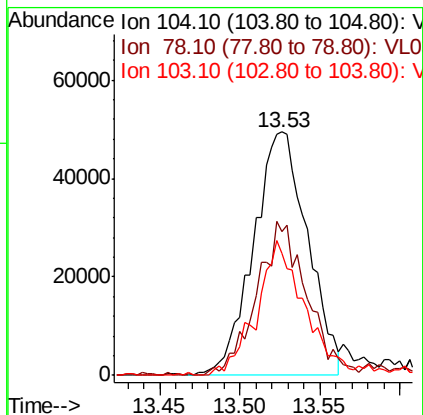
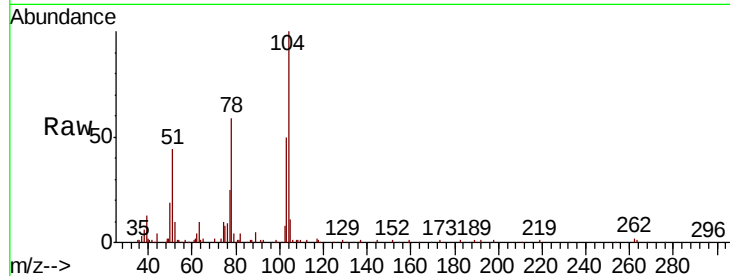




#61
Stvrene
Concen: 0.540 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

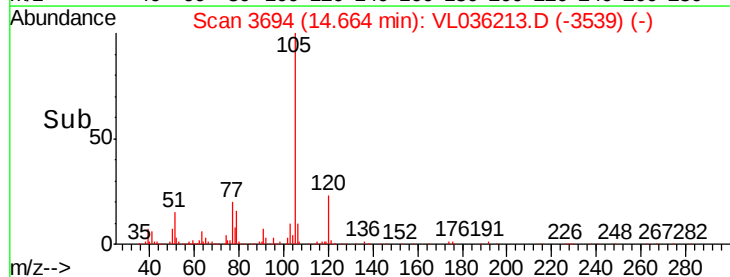
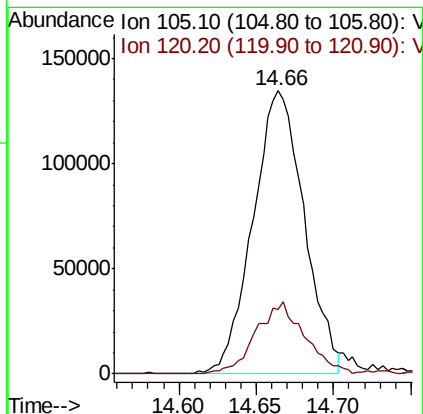
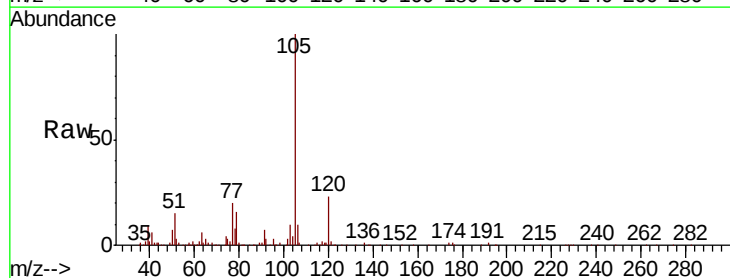
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

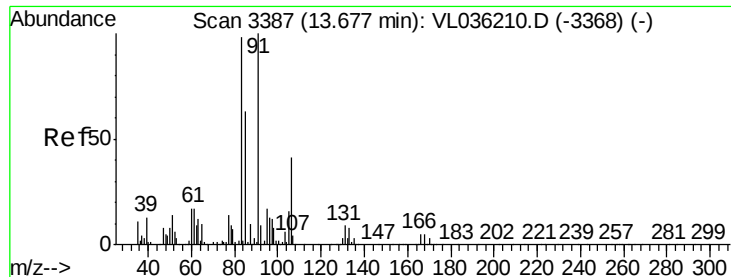
Tot Ion	Ratio	Lower	Upper
104	100		
78	62.3	46.8	70.2
103	51.2	38.4	57.6



#62
Isopropylbenzene
Concen: 0.634 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VL036213.D
Acq: 13 Jan 2021 4:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.3	30.5

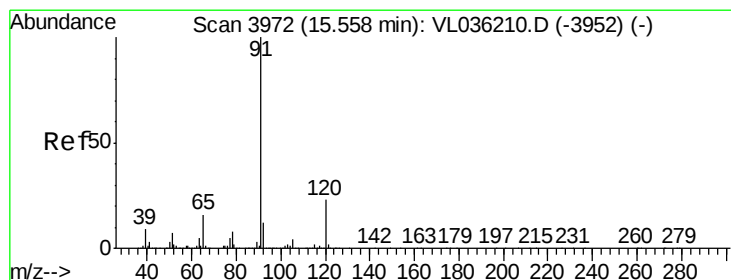
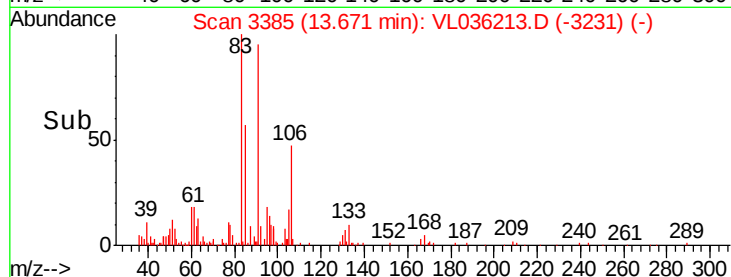
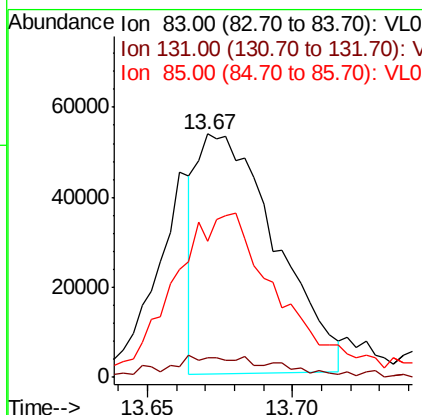
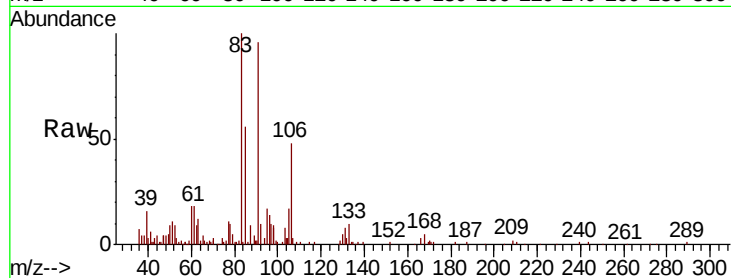




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.451 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

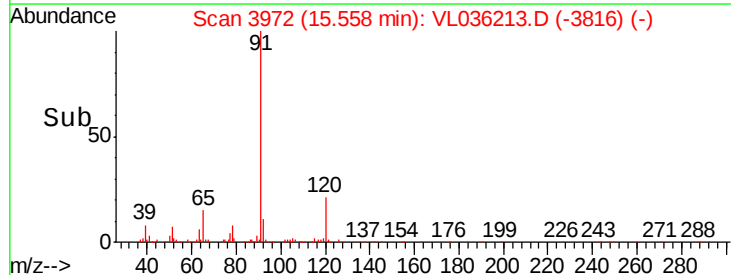
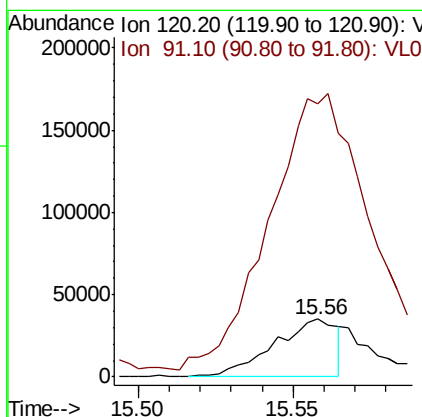
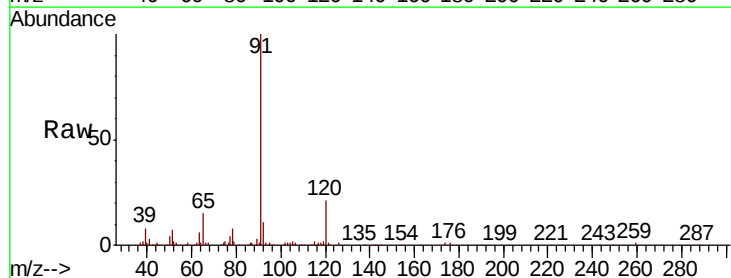
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

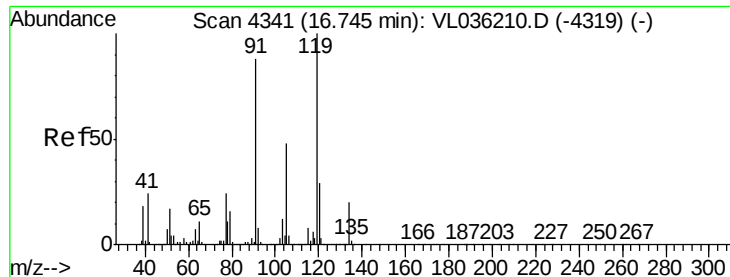
Tot Ion: 83 Resp: 100848
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.5 13.5#
 85 100.9 33.1 99.3#



#64
 n-propylbenzene
 Concen: 0.423 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.00 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Tgt Ion:120 Resp: 50189
 Ion Ratio Lower Upper
 120 100
 91 848.1 391.8 587.6#





#65

tert-Butylbenzene

Concen: 0.628 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

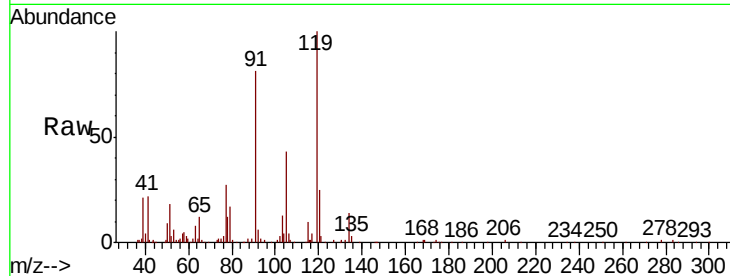
Tot Ion: 119 Resp: 253072

Ion Ratio Lower Upper

119 100

91 101.2 71.0 106.6

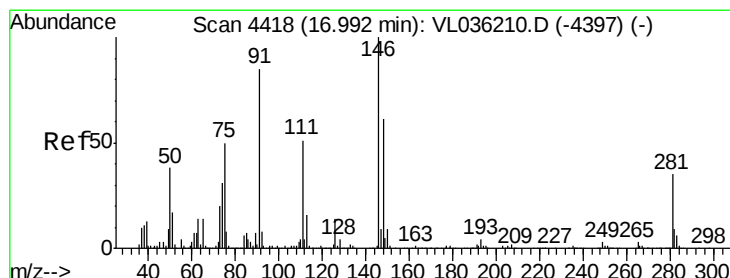
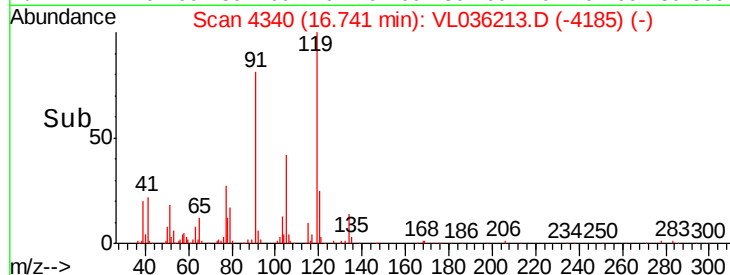
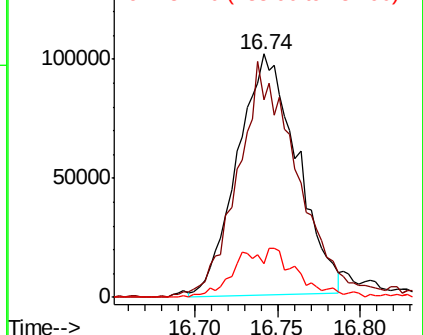
134 21.6 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.245 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

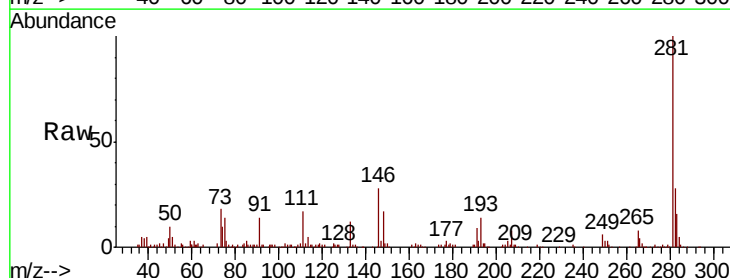
Tgt Ion: 91 Resp: 25312

Ion Ratio Lower Upper

91 100

126 34.5 12.6 19.0#

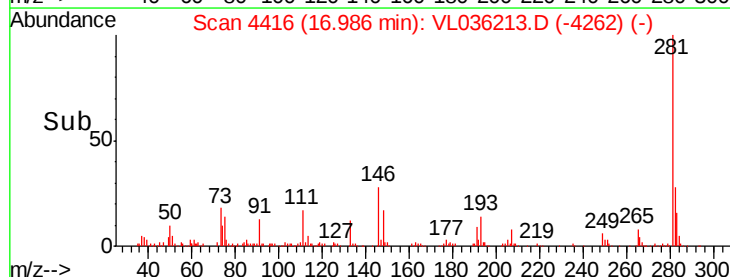
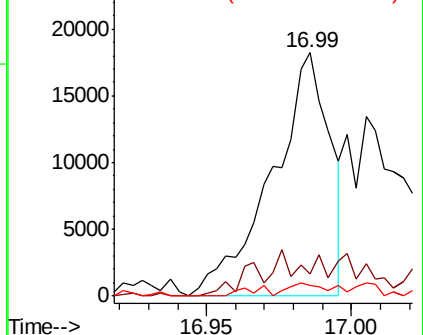
128 9.1 3.8 5.6#

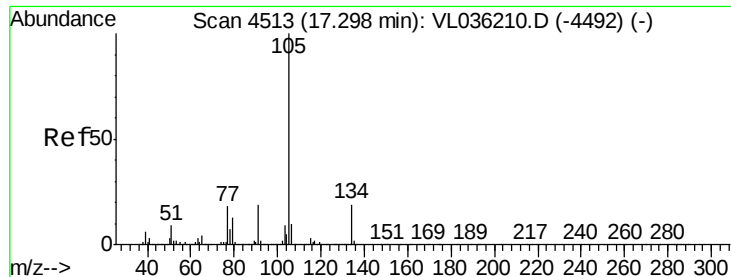


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.706 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

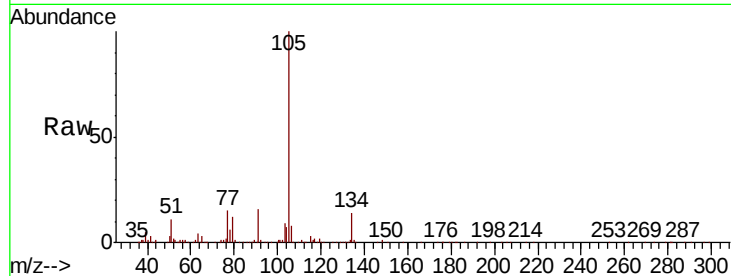
VSTDIC0.5

Tot Ion:105 Resp: 402448

Ion Ratio Lower Upper

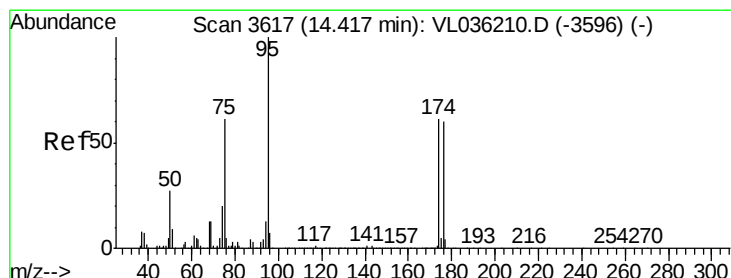
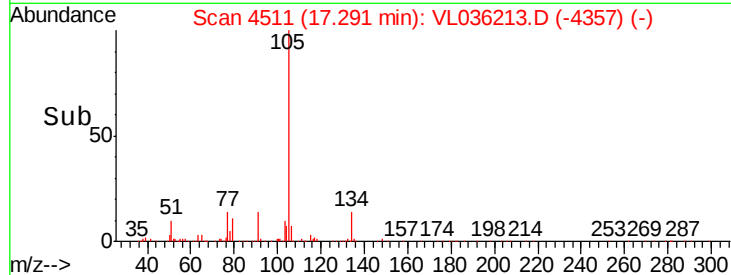
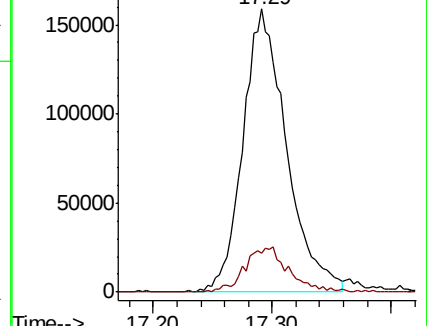
105 100

134 16.3 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.507 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

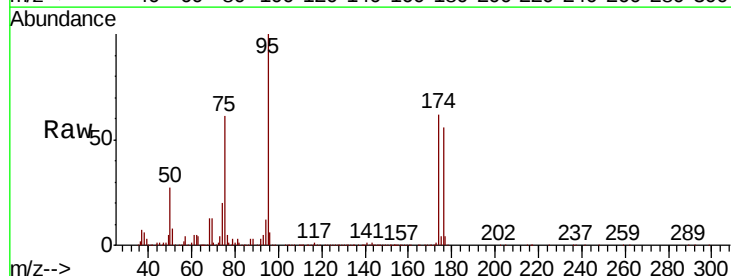
Tgt Ion: 95 Resp: 2537110

Ion Ratio Lower Upper

95 100

174 62.5 49.4 74.0

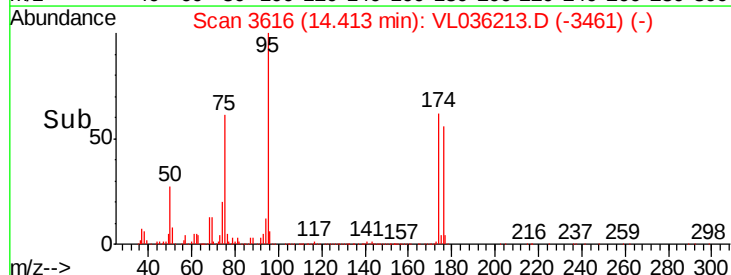
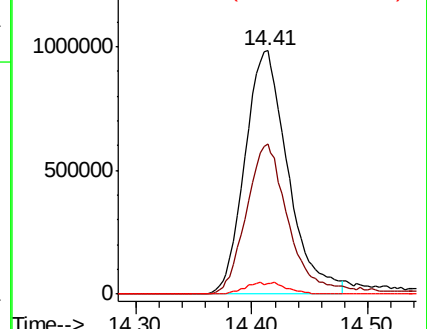
175 4.6 3.8 5.8

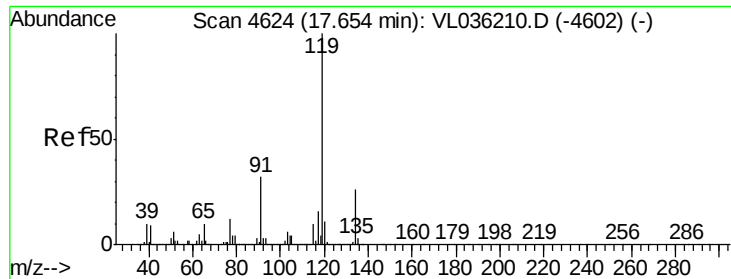


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

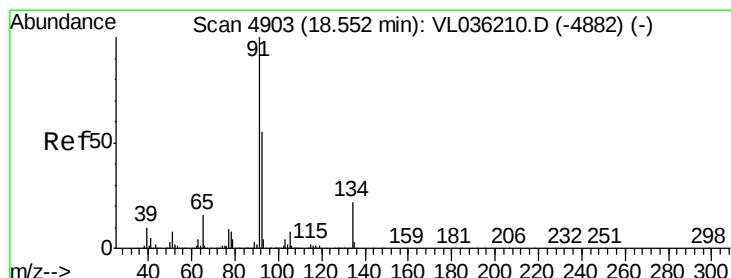
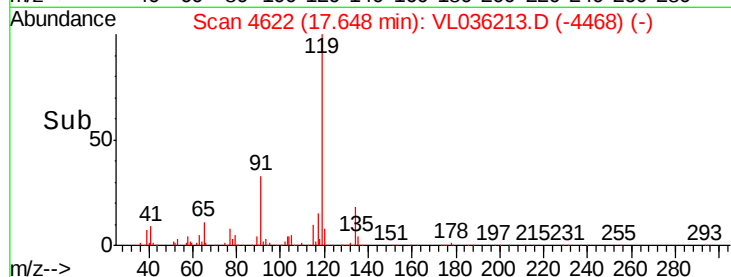
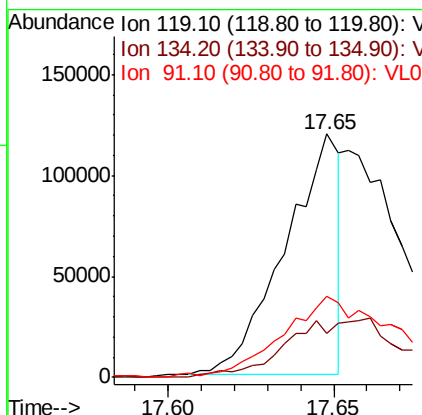
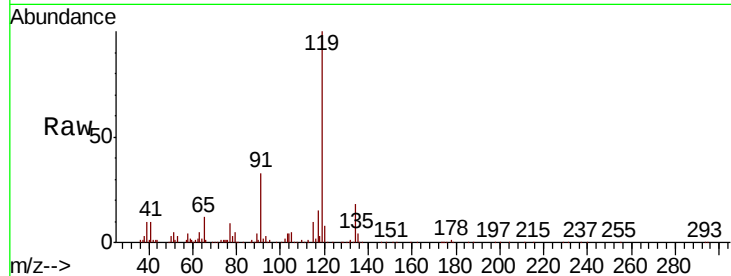




#69
 p-Isopropyltoluene
 Concen: 0.303 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. -0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

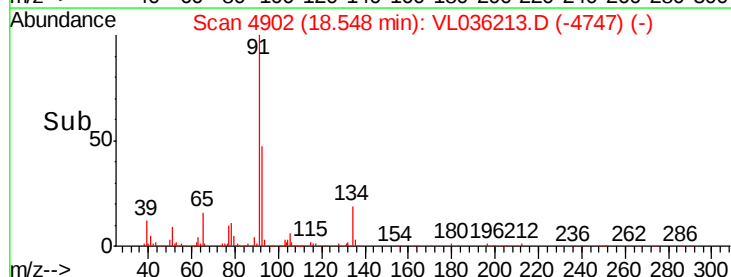
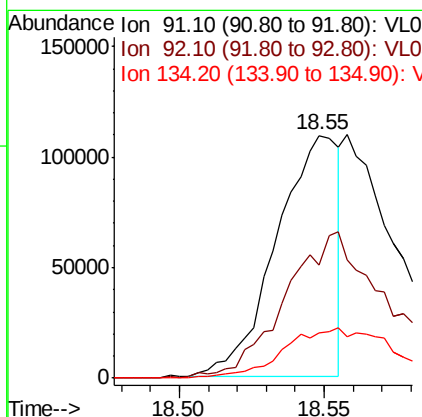
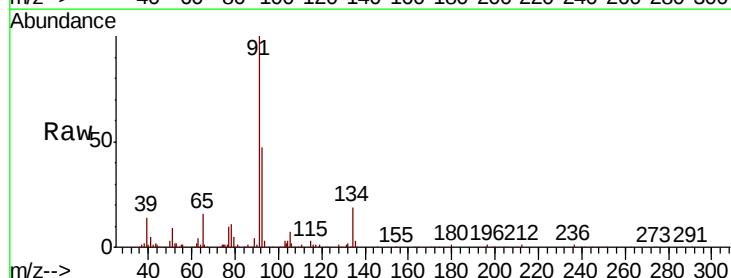
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

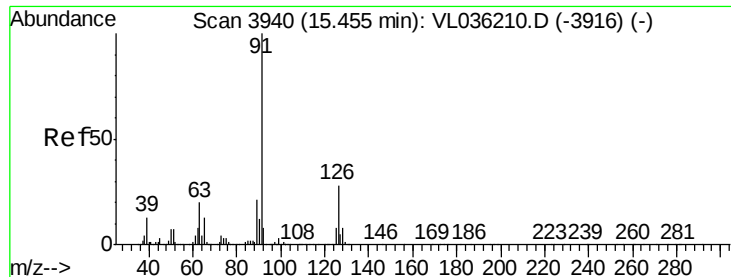
Tot Ion: 119 Resp: 137261
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.2 30.4#
 91 77.9 26.0 39.0#



#70
 n-Butylbenzene
 Concen: 0.355 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.00 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Tgt Ion: 91 Resp: 162201
 Ion Ratio Lower Upper
 91 100
 92 0.0 44.0 66.0#
 134 0.0 17.0 25.4#

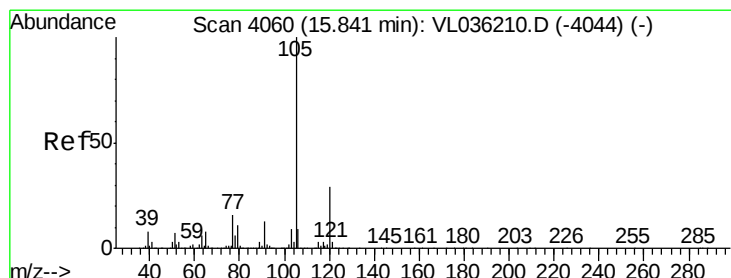
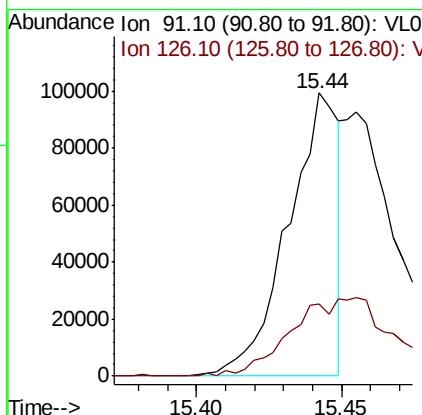
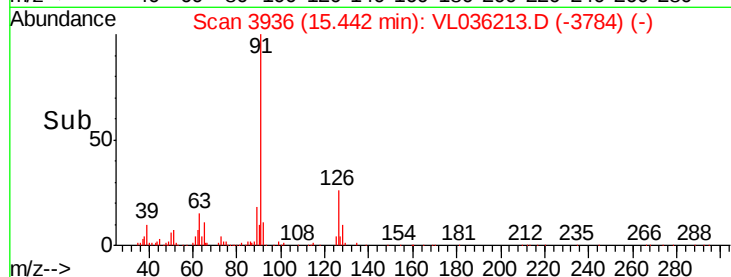
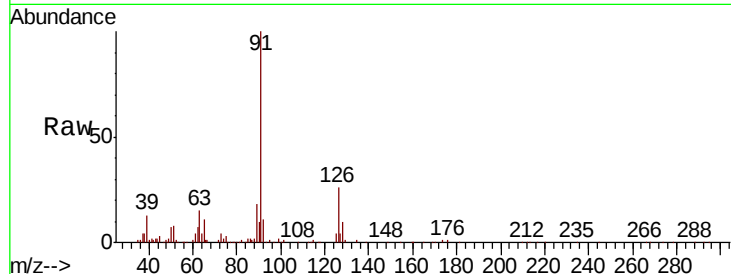




#71
 2-Chlorotoluene
 Concen: 0.318 ppbv
 RT: 15.44 min Scan# 3936
 Delta R.T. -0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

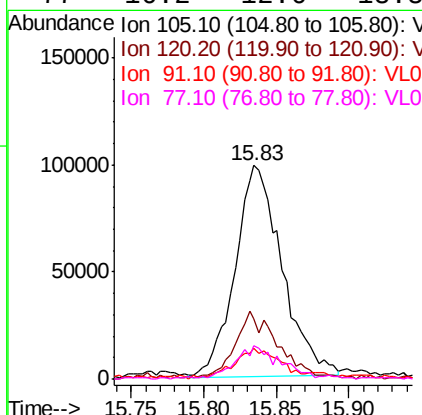
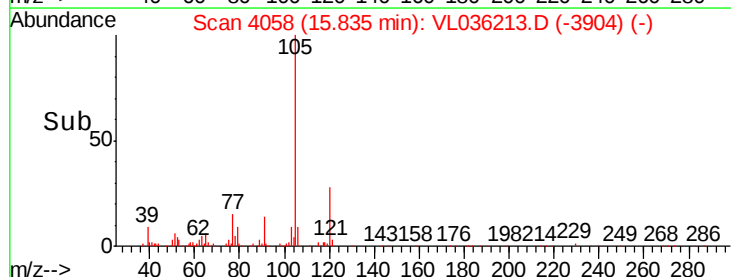
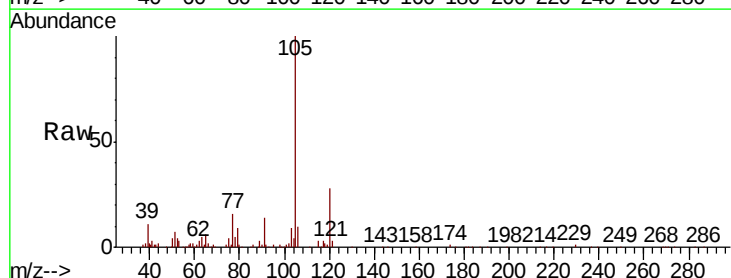
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

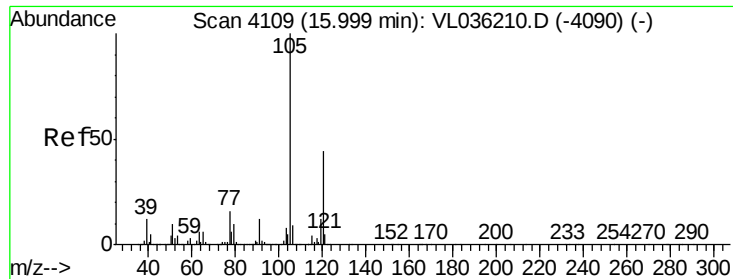
Tot Ion: 91 Resp: 118996
 Ion Ratio Lower Upper
 91 100
 126 0.0 11.5 45.9#



#72
 4-Ethyltoluene
 Concen: 0.617 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. -0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Tgt Ion: 105 Resp: 222981
 Ion Ratio Lower Upper
 105 100
 120 31.0 23.7 35.5
 91 15.7 11.9 17.9
 77 16.2 12.6 18.8

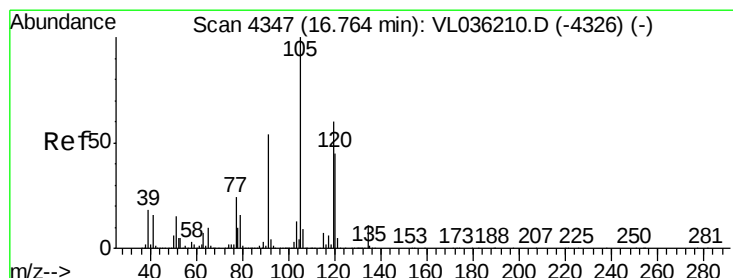
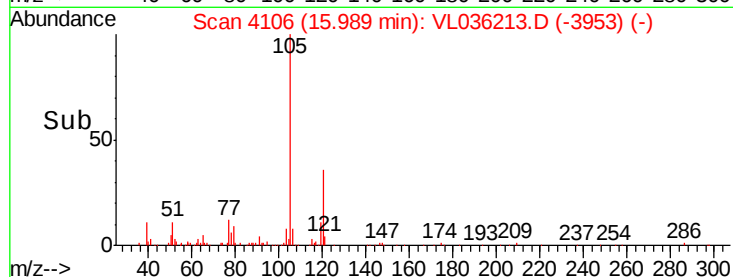
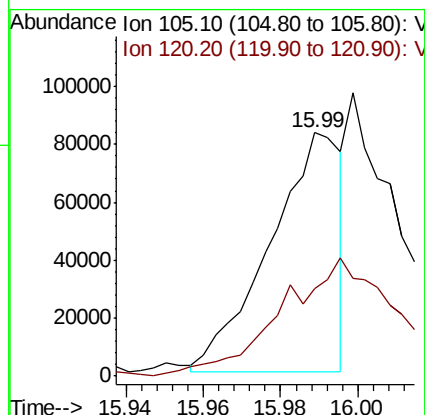
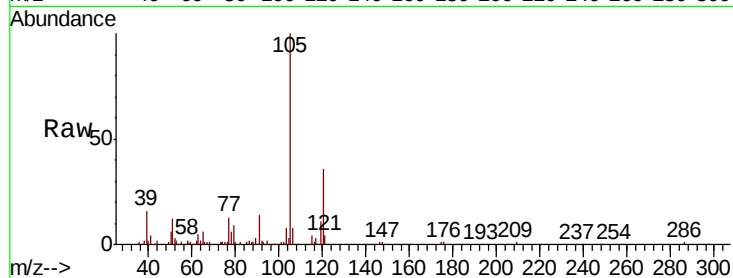




#73
 1,3,5-Trimethylbenzene
 Concen: 0.305 ppbv
 RT: 15.99 min Scan# 4106
 Delta R.T. -0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

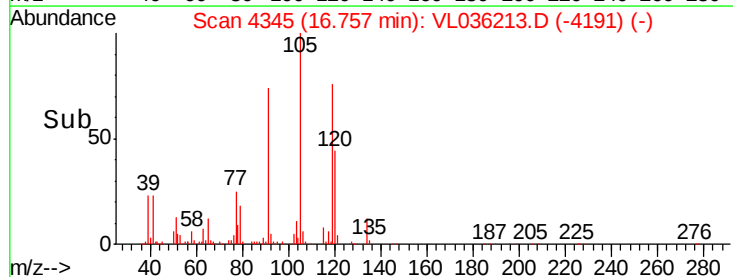
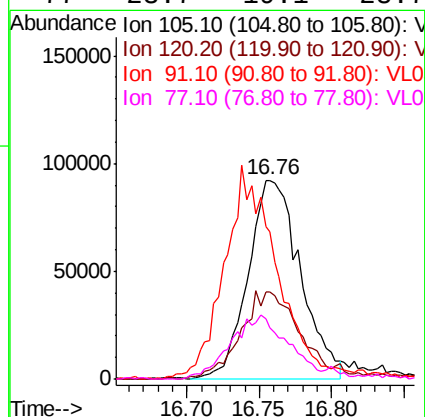
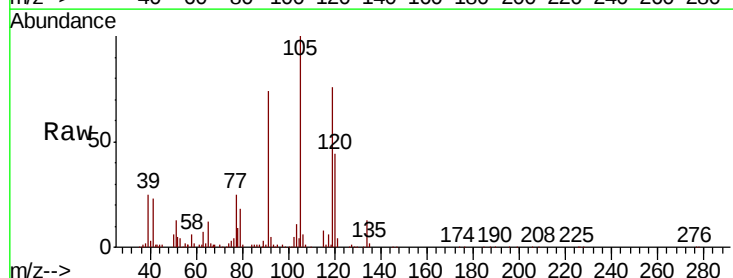
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

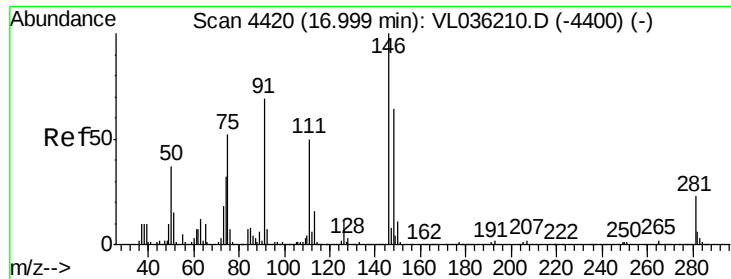
Tot Ion:105 Resp: 105329
 Ion Ratio Lower Upper
 105 100
 120 33.8 35.5 53.3#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.667 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Tgt Ion:105 Resp: 231344
 Ion Ratio Lower Upper
 105 100
 120 42.9 36.2 54.2
 91 69.0 43.3 64.9#
 77 23.7 19.1 28.7

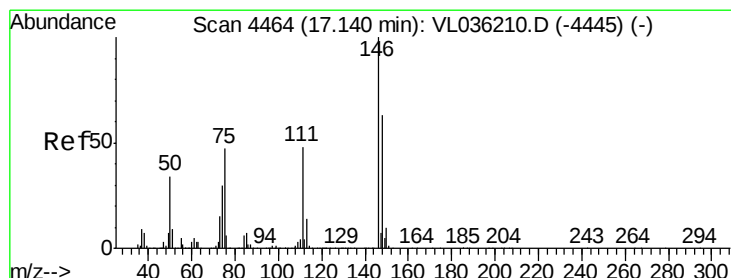
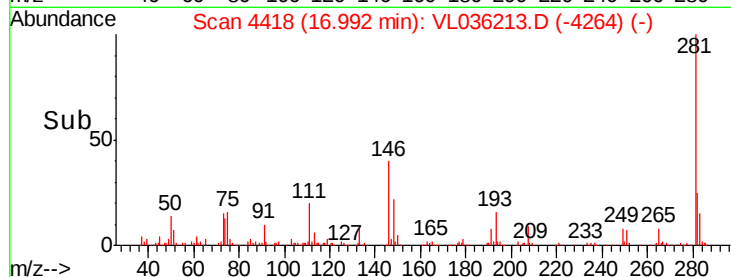
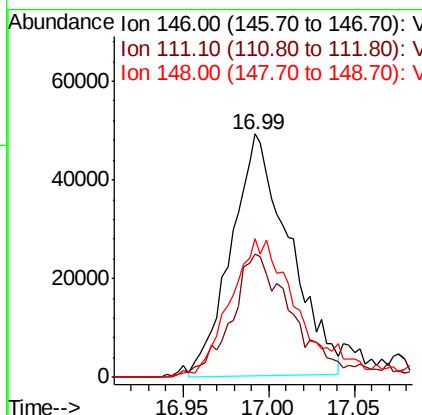
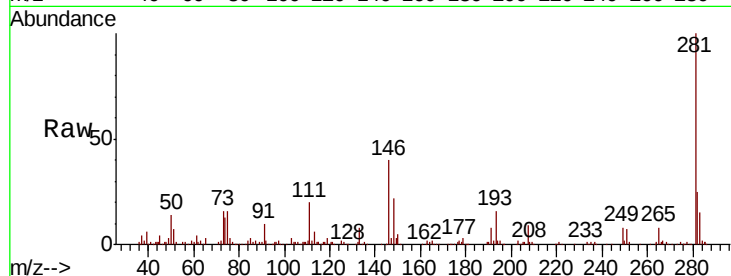




#75
 1,3-Dichlorobenzene
 Concen: 0.661 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

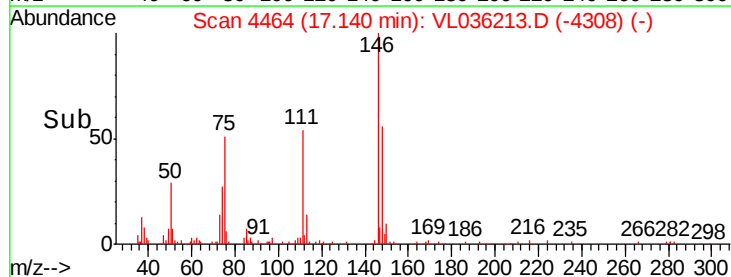
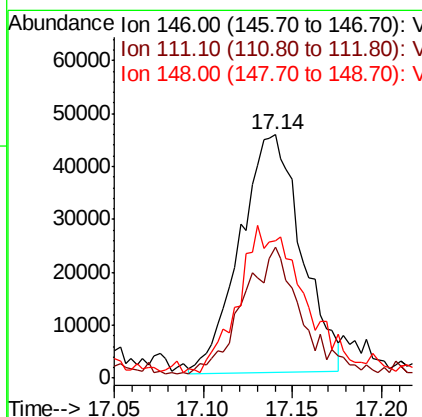
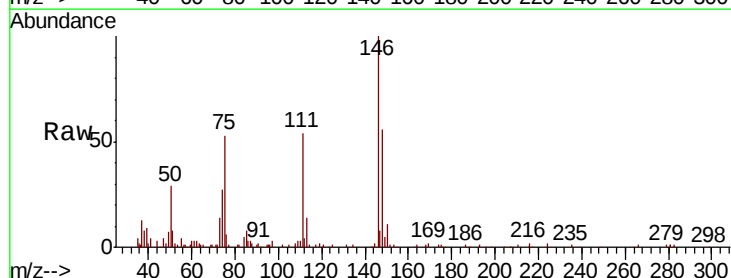
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

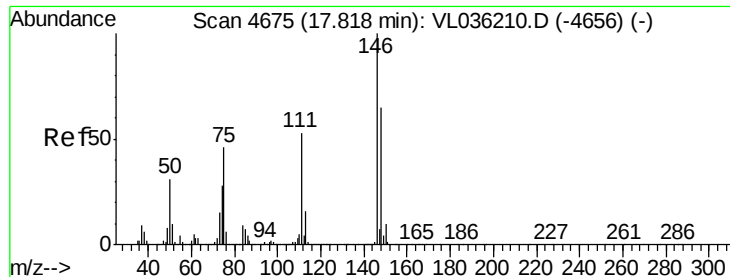
Tot Ion	Ratio	Lower	Upper
146	100		
111	55.8	25.5	76.5
148	69.0	32.4	97.2



#76
 1,4-Dichlorobenzene
 Concen: 0.609 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.00 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	59.8	25.4	76.0
148	73.9	33.3	99.9





#77

1,2-Dichlorobenzene

Concen: 0.671 ppbv

RT: 17.82 min Scan# 4675

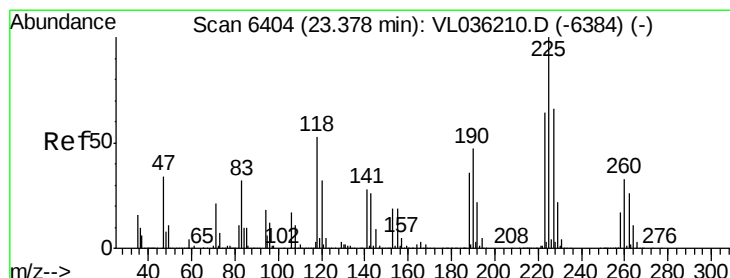
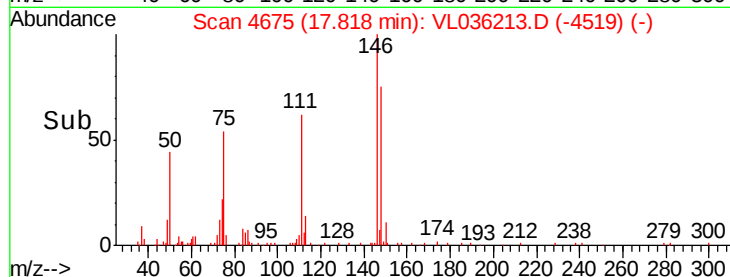
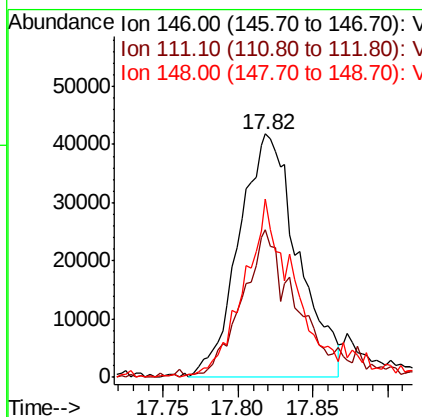
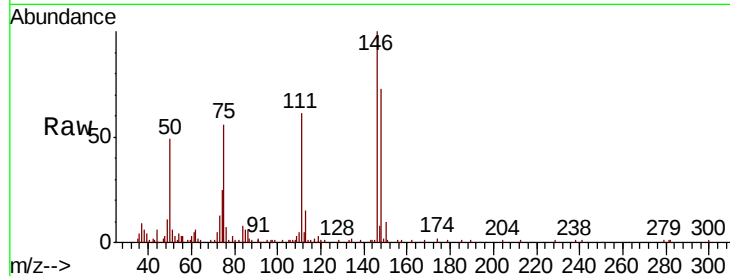
Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	60.8	26.5	79.4
148	67.3	32.8	98.4



#78

Hexachloro-1,3-Butadiene

Concen: 0.658 ppbv

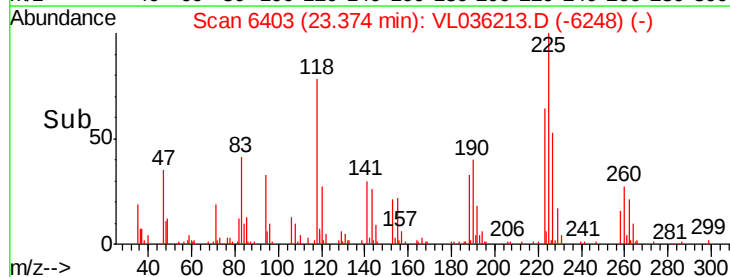
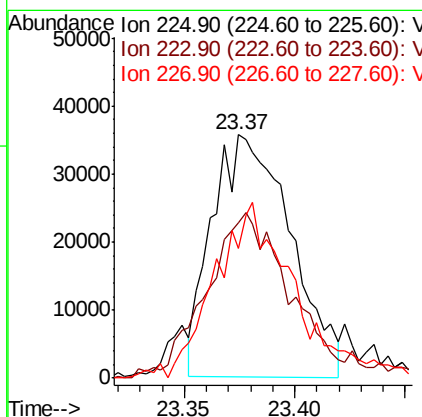
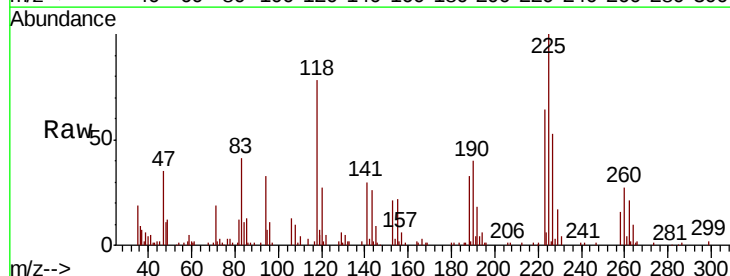
RT: 23.37 min Scan# 6403

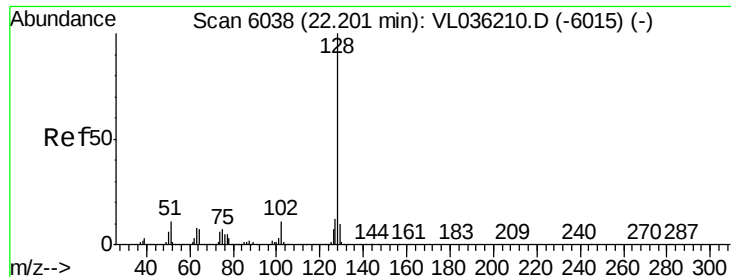
Delta R.T. -0.00 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	77.7	50.5	75.7#
227	76.5	51.7	77.5





#79

Naphthalene

Concen: 0.034 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.05 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

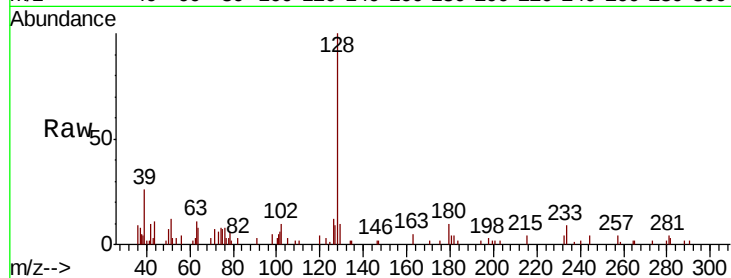
Tot Ion:128 Resp: 6369

Ion Ratio Lower Upper

128 100

127 10.3 9.9 14.9

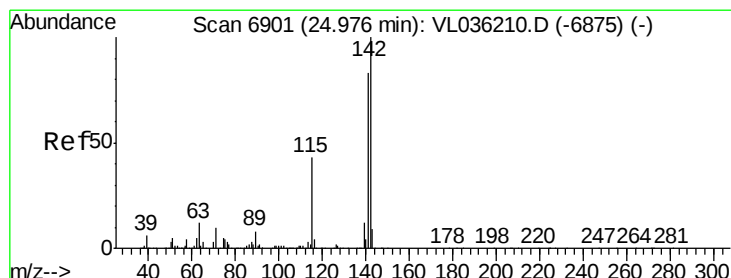
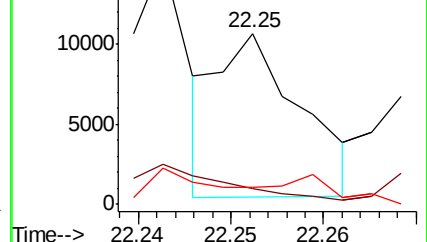
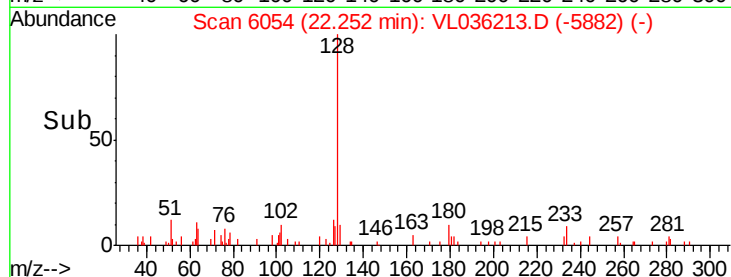
129 9.6 8.4 12.6



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.164 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.04 min

Lab File: VL036213.D

Acq: 13 Jan 2021 4:30

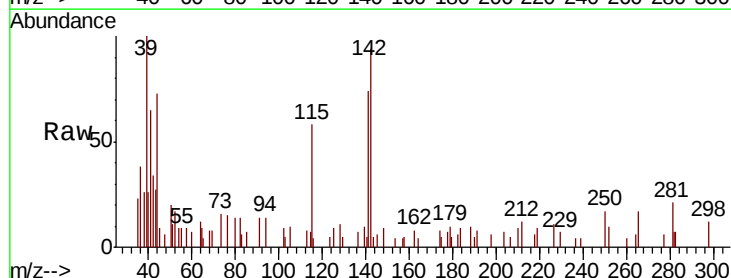
Tgt Ion:142 Resp: 6233

Ion Ratio Lower Upper

142 100

141 109.3 68.6 102.8#

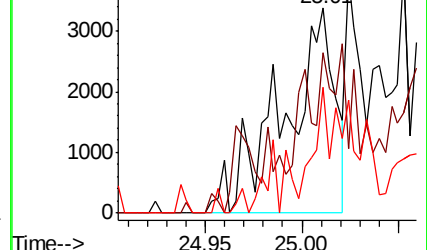
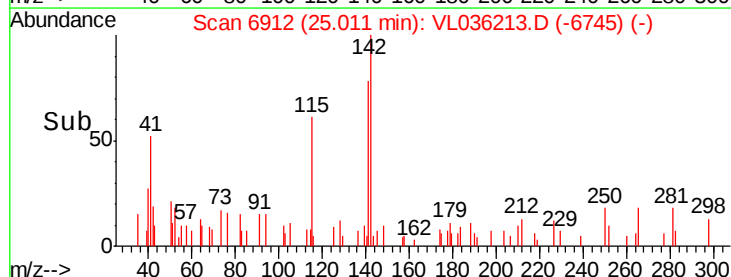
115 62.1 32.9 49.3#

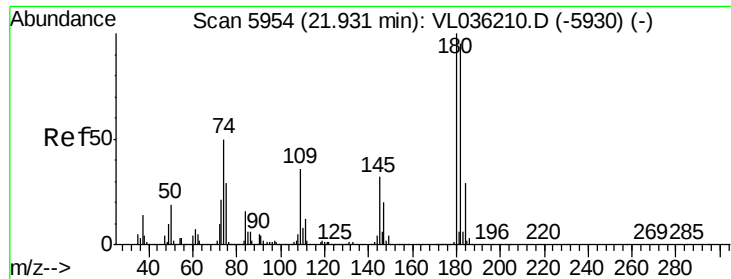


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.032 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.02 min
 Lab File: VL036213.D
 Acq: 13 Jan 2021 4:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:180 Resp: 3720
 Ion Ratio Lower Upper
 180 100
 182 0.0 79.9 119.9#
 184 0.0 25.6 38.4#

