

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035506.D
 Acq On : 27 Aug 2020 2:51
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: Aug 27 05:34:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 05:32:47 2020
 QLast Update : Thu Aug 27 05:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1102131	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4778482	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5005997	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3482074	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	368132	1.826 ppbv	97
3) Chlorodifluoromethane	2.99	51	249237	2.003 ppbv	100
4) Chloromethane	3.14	50	132216	2.041 ppbv	99
5) Vinyl Chloride	3.26	62	156122	2.050 ppbv	98
6) Bromomethane	3.48	94	136847	1.960 ppbv	98
7) Chloroethane	3.56	64	58213	2.002 ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	481195	2.011 ppbv	99
9) Propene	3.01	41	94770	1.958 ppbv	99
10) Heptane	8.14	43	259466	2.013 ppbv	99
11) Trichlorofluoromethane	3.96	101	576386	1.982 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	424900	1.958 ppbv	98
13) Ethanol	3.61	45	24789	1.825 ppbv	98
14) Bromoethene	3.75	108	186255	1.973 ppbv	100
15) Acetone	3.86	43	252593	2.137 ppbv	96
16) 1,3-Butadiene	3.33	39	92433	1.969 ppbv	100
17) tert-Butyl alcohol	4.30	59	303689	2.019 ppbv	99
18) 1,1-Dichloroethene	4.29	96	188956	1.967 ppbv	99
19) Isopropyl Alcohol	3.98	45	145701	1.907 ppbv	# 97
20) Methylene Chloride	4.35	84	193921	1.539 ppbv	99
21) Allyl Chloride	4.42	41	112081	1.881 ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	199950	1.970 ppbv	98
23) Vinyl Acetate	5.09	43	319551	2.054 ppbv	97
24) 1,1-Dichloroethane	5.02	63	331658	2.032 ppbv	97
25) Ethyl Acetate	5.69	43	451574	2.017 ppbv	99
26) Hexane	5.70	57	260895	1.916 ppbv	99
27) Carbon Disulfide	4.56	76	358560	1.981 ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	443309	2.007 ppbv	99
29) Chloroform	5.76	83	509733	1.975 ppbv	97
30) Cyclohexane	7.15	84	272800	1.996 ppbv	86
31) cis-1,2-Dichloroethene	5.56	61	259026	2.015 ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	478621	2.031 ppbv	99
34) 2-Butanone	5.26	43	296247	2.097 ppbv	99
35) Carbon Tetrachloride	7.04	117	496101	2.134 ppbv	97
36) Benzene	6.91	78	660744	2.102 ppbv	97
37) 1,2-Dichloroethane	6.32	62	301362	2.024 ppbv	99
38) Trichloroethene	7.85	130	348972	2.009 ppbv	97
39) 1,2-Dichloropropane	7.63	63	218544	2.076 ppbv	96
40) 1,4-Dioxane	7.87	88	108514	2.093 ppbv	71
41) Tetrahydrofuran	6.07	42	156270	2.042 ppbv	98
42) Bromodichloromethane	7.81	83	496023	2.040 ppbv	97
43) Methyl Methacrylate	8.04	69	254319	2.089 ppbv	99

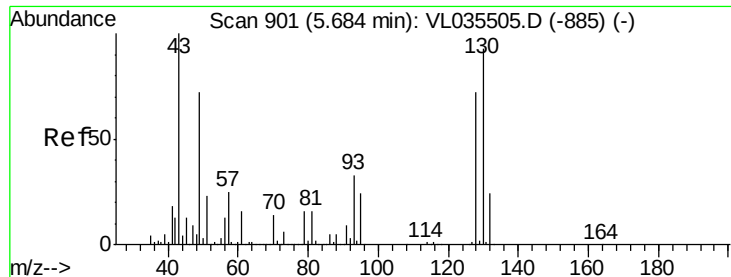
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035506.D
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Quant Time: Aug 27 05:34:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 05:32:47 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	890205	2.162	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	246497	1.980	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	312239	2.023	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	318983	2.027	ppbv	98
48) Dibromochloromethane	10.33	129	506440	2.027	ppbv	99
49) Bromoform	13.07	173	456808	1.974	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	437467	2.150	ppbv	98
51) 2-Hexanone	10.17	43	353030	2.117	ppbv #	99
52) Tetrachloroethene	11.25	164	359689	1.971	ppbv	97
53) Toluene	9.83	91	847461	2.130	ppbv	97
54) 1,2-Dibromoethane	10.64	107	510422	2.044	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.15	131	424407	2.030	ppbv #	1
57) Chlorobenzene	12.18	112	768809	2.065	ppbv	99
58) Ethyl Benzene	12.74	91	1131946	2.134	ppbv	91
59) m/p-Xylene	13.02	91	906815	2.012	ppbv #	24
60) o-Xylene	13.72	91	941202	2.120	ppbv	98
61) Styrene	13.56	104	724434	2.118	ppbv	97
62) Isopropylbenzene	14.70	105	1532092	2.134	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.71	83	665565	2.051	ppbv	98
64) n-propylbenzene	15.59	120	452945	2.074	ppbv	78
65) tert-Butylbenzene	16.78	119	1469386	2.156	ppbv	95
66) Benzyl Chloride	17.02	91	298147	1.798	ppbv	96
67) sec-Butylbenzene	17.33	105	1990664	2.197	ppbv	93
69) p-Isopropyltoluene	17.69	119	1727771	2.188	ppbv	93
70) n-Butylbenzene	18.59	91	1661117	2.190	ppbv	94
71) 2-Chlorotoluene	15.49	91	1108349	2.133	ppbv	97
72) 4-Ethyltoluene	15.87	105	1221713	2.157	ppbv	96
73) 1,3,5-Trimethylbenzene	16.03	105	1132207	2.162	ppbv	94
74) 1,2,4-Trimethylbenzene	16.80	105	1246339	2.169	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	890231	2.068	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	873812	2.032	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	862386	2.033	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	565993	1.944	ppbv	99
79) Naphthalene	22.25	128	1397775	1.954	ppbv	96
80) Naphthalene, 2-methyl-	25.01	142	464597	1.653	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	807960	1.921	ppbv	100

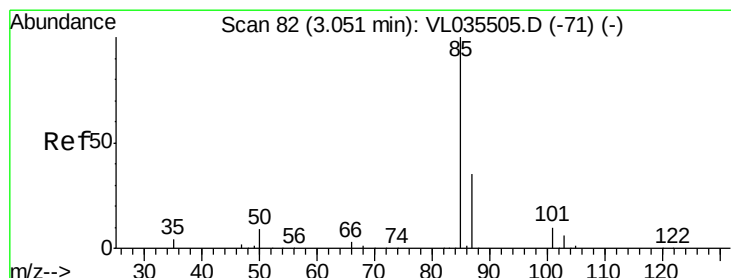
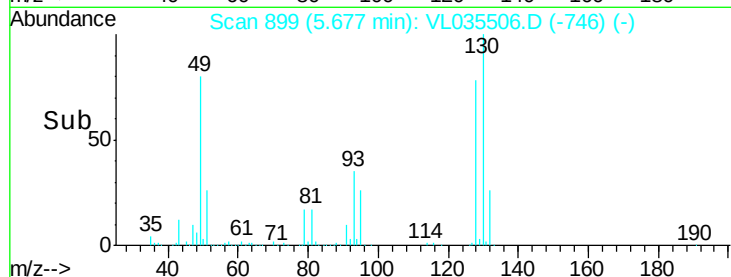
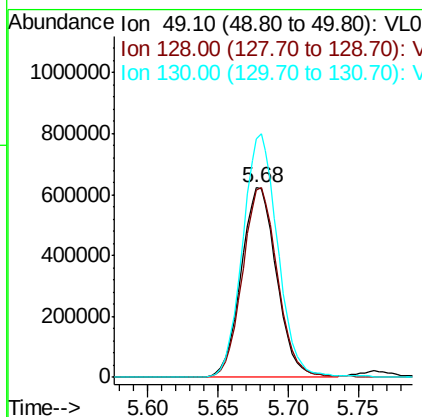
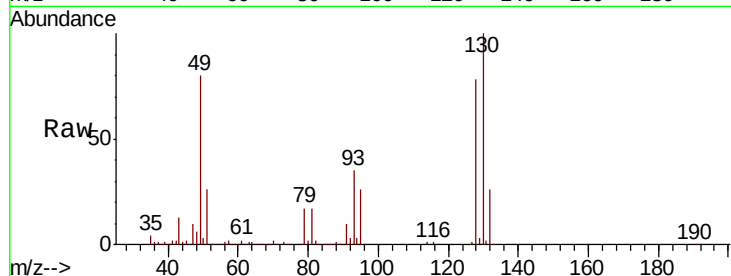
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

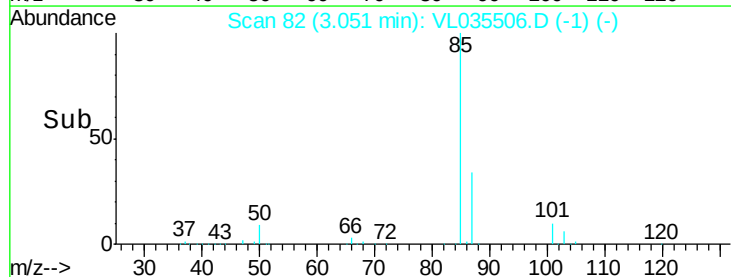
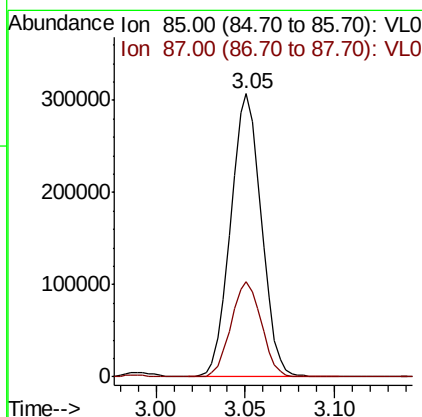
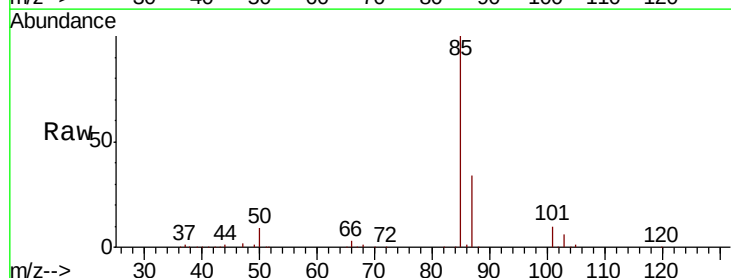
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

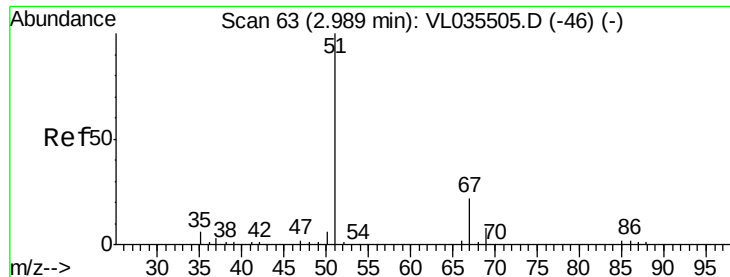
Tot Ion: 49 Resp: 1102131
 Ion Ratio Lower Upper
 49 100
 128 99.4 50.0 150.1
 130 127.8 64.4 193.2



#2
 Dichlorodifluoromethane
 Concen: 1.826 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion: 85 Resp: 368132
 Ion Ratio Lower Upper
 85 100
 87 33.5 28.0 42.0





#3

Chlorodifluoromethane

Concen: 2.003 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

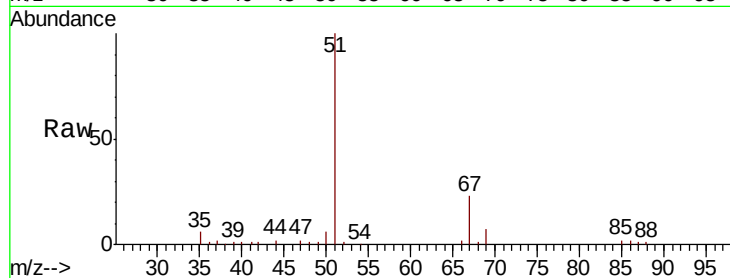
VSTDIC002

Tot Ion: 51 Resp: 249237

Ion Ratio Lower Upper

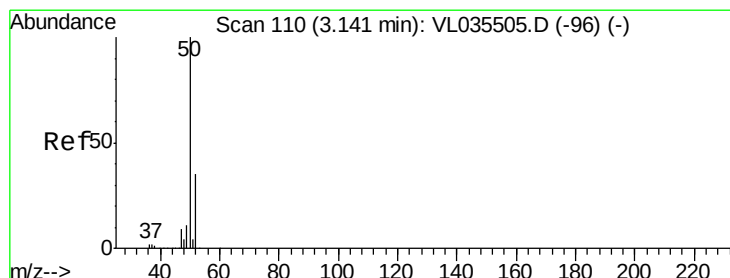
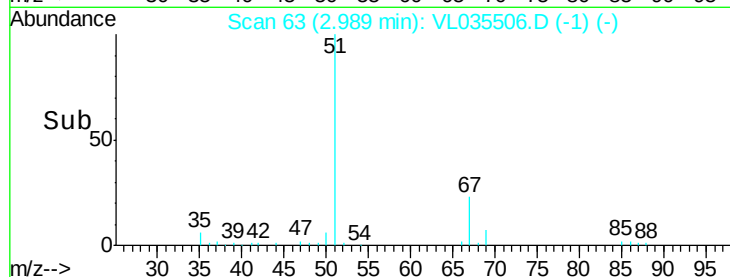
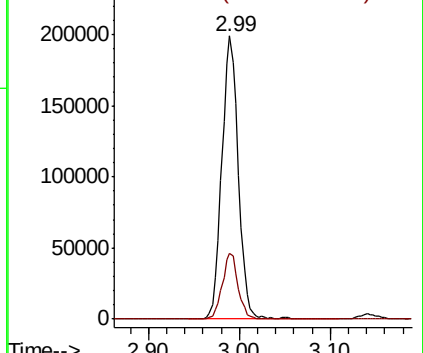
51 100

67 22.2 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.041 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL035506.D

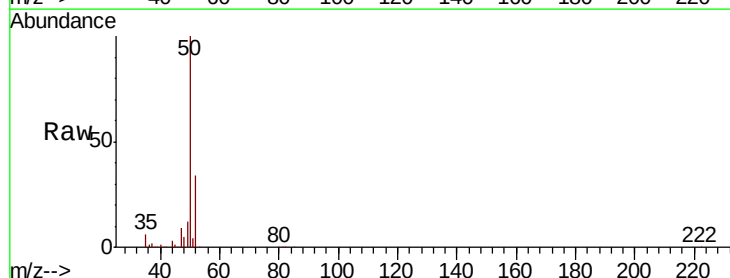
Acq: 27 Aug 2020 2:51

Tgt Ion: 50 Resp: 132216

Ion Ratio Lower Upper

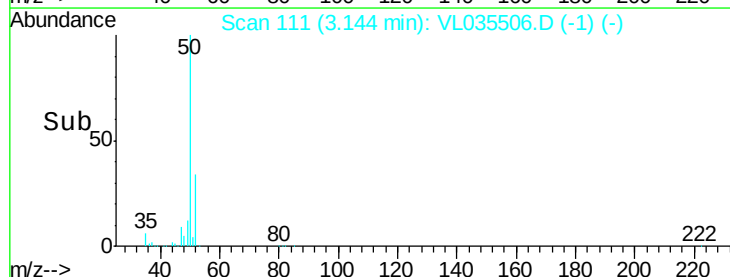
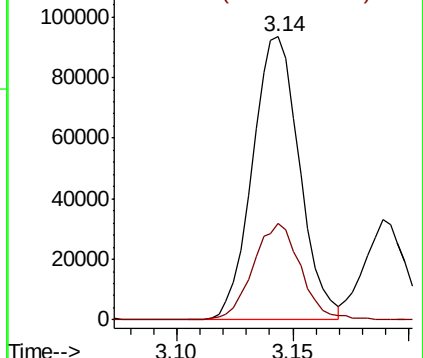
50 100

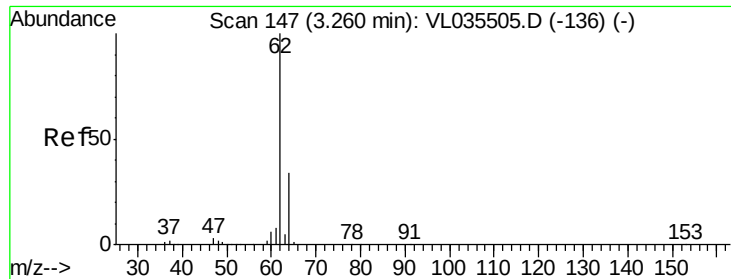
52 34.2 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 2.050 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

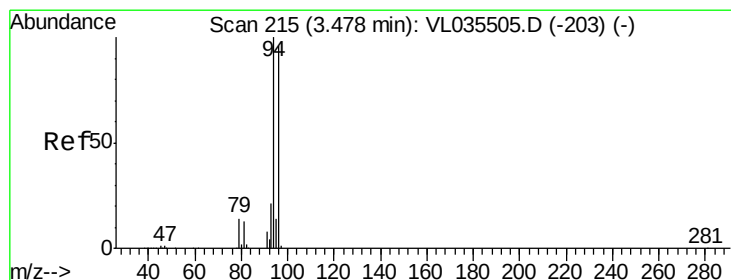
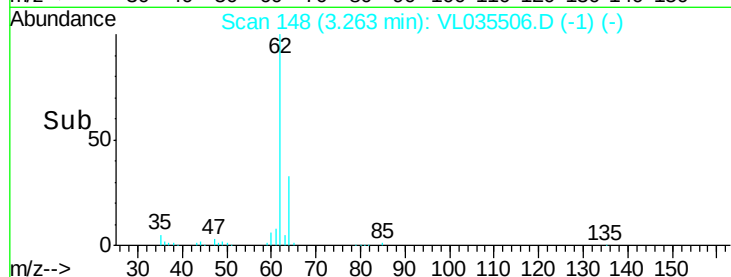
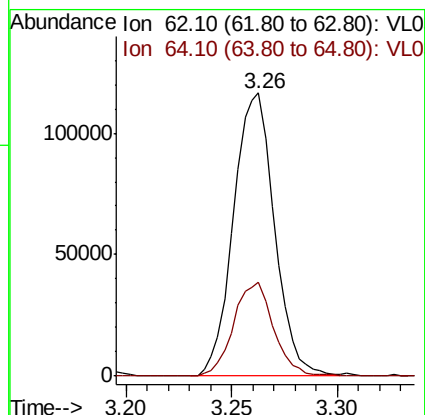
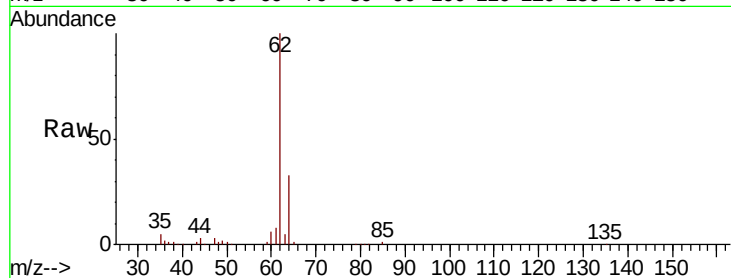
VSTDIC002

Tot Ion: 62 Resp: 156122

Ion Ratio Lower Upper

62 100

64 33.4 27.4 41.2



#6

Bromomethane

Concen: 1.960 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL035506.D

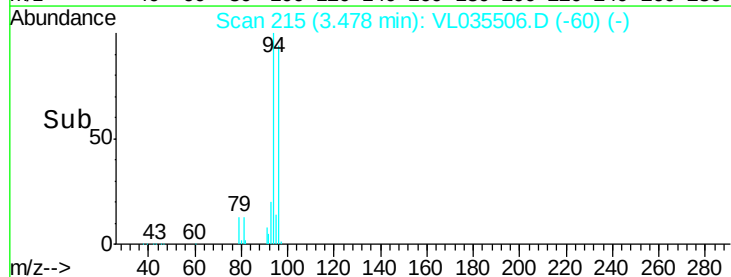
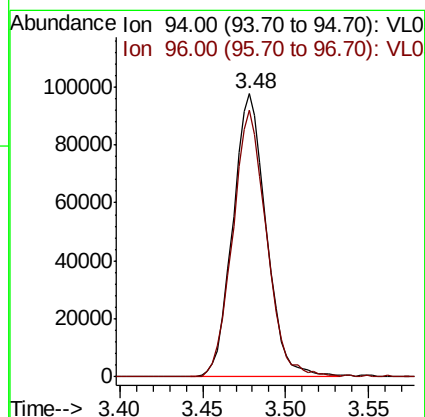
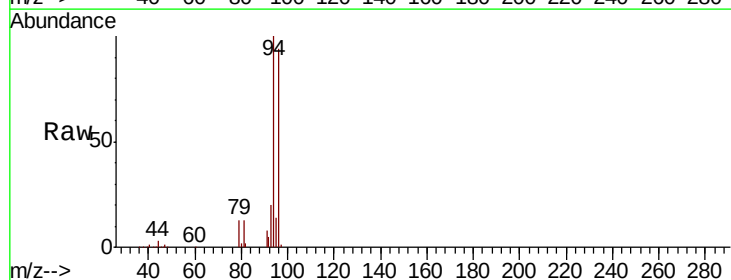
Acq: 27 Aug 2020 2:51

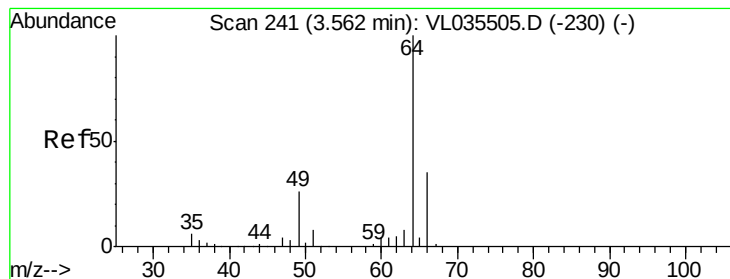
Tgt Ion: 94 Resp: 136847

Ion Ratio Lower Upper

94 100

96 94.4 77.1 115.7





#7

Chloroethane

Concen: 2.002 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

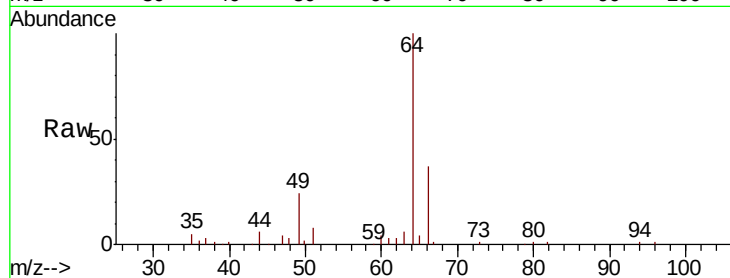
VSTDIC002

Tot Ion: 64 Resp: 58213

Ion Ratio Lower Upper

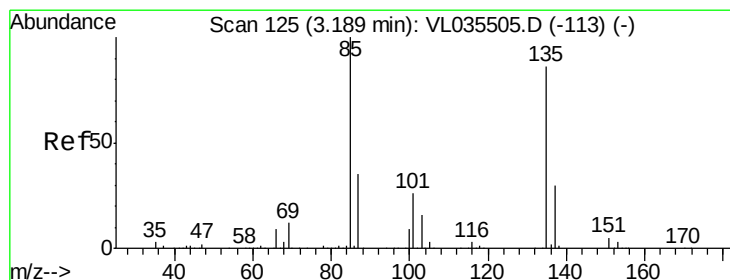
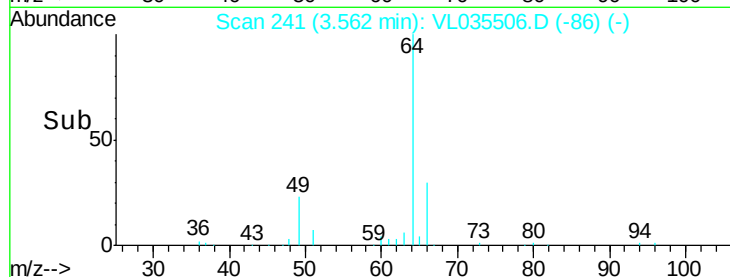
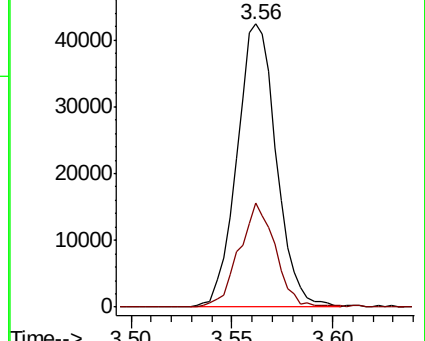
64 100

66 36.9 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.011 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL035506.D

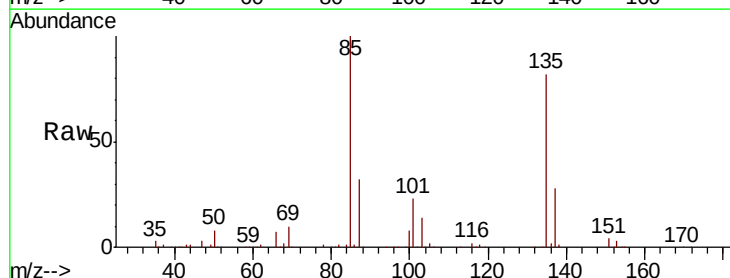
Acq: 27 Aug 2020 2:51

Tgt Ion: 85 Resp: 481195

Ion Ratio Lower Upper

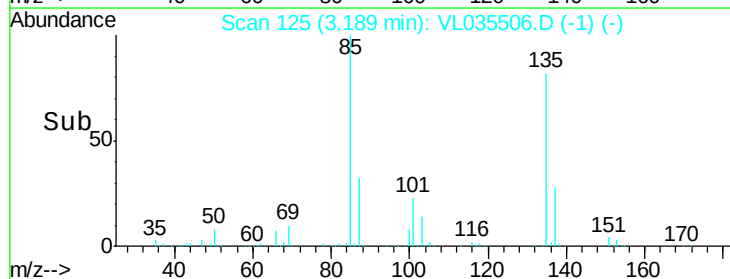
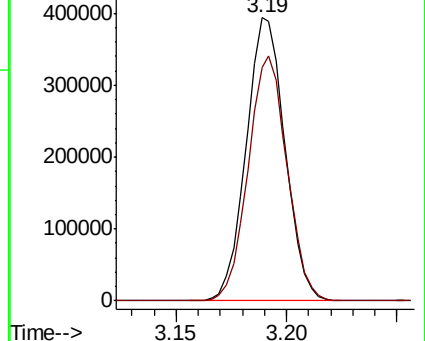
85 100

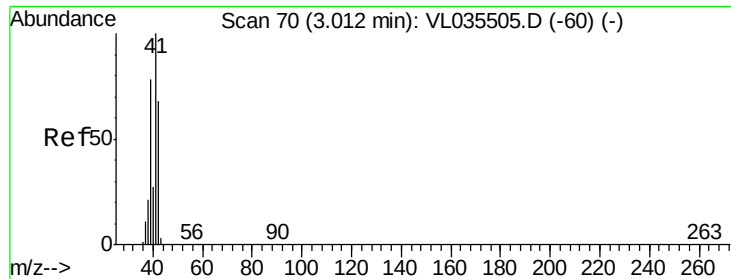
135 86.7 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.958 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

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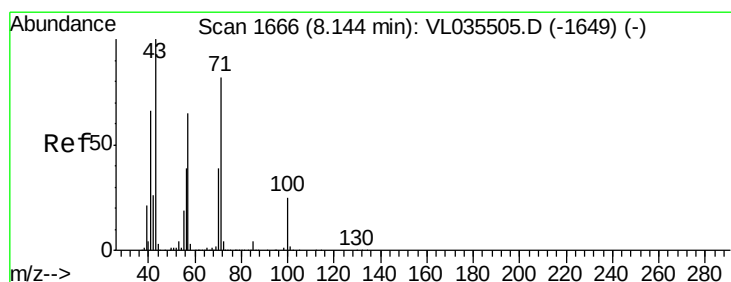
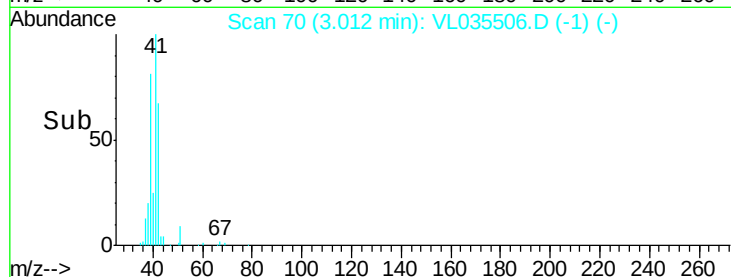
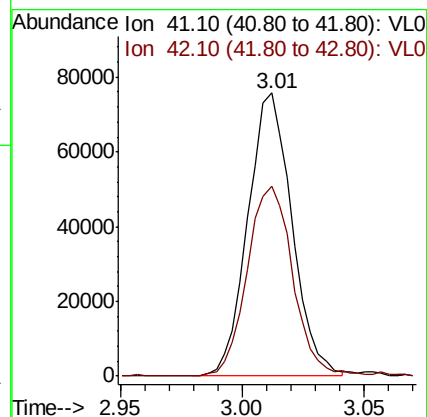
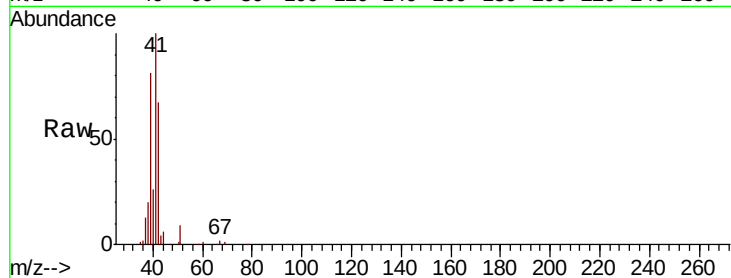
VSTDIC002

Tot Ion: 41 Resp: 94770

Ion Ratio Lower Upper

41 100

42 70.0 56.3 84.5



#10

Heptane

Concen: 2.013 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VL035506.D

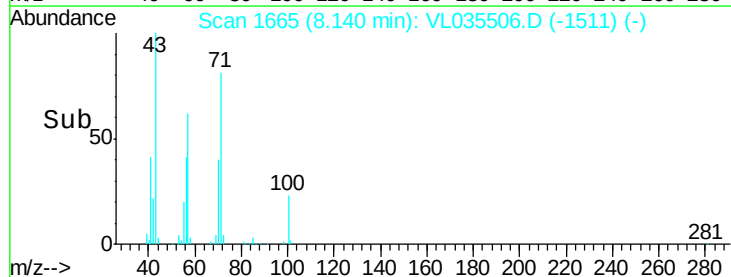
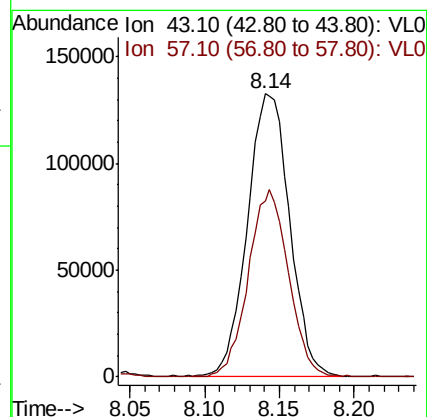
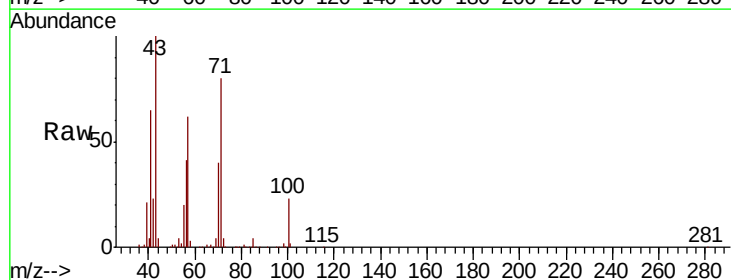
Acq: 27 Aug 2020 2:51

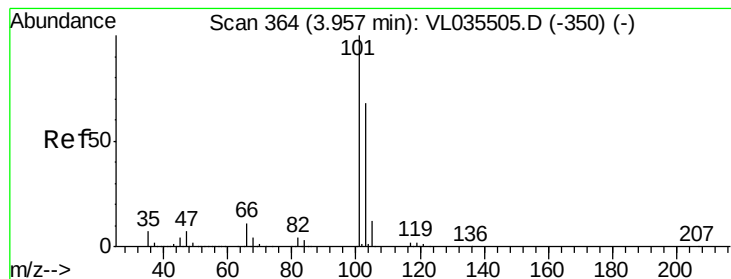
Tgt Ion: 43 Resp: 259466

Ion Ratio Lower Upper

43 100

57 63.2 51.4 77.0





#11

Trichlorofluoromethane

Concen: 1.982 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

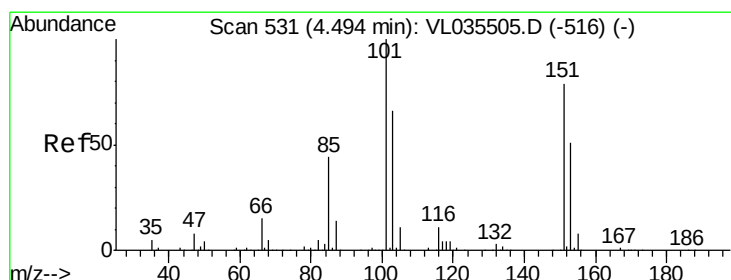
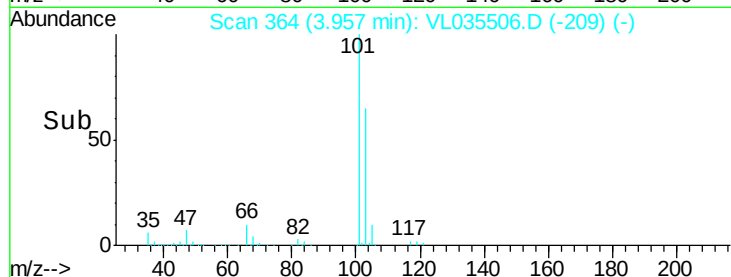
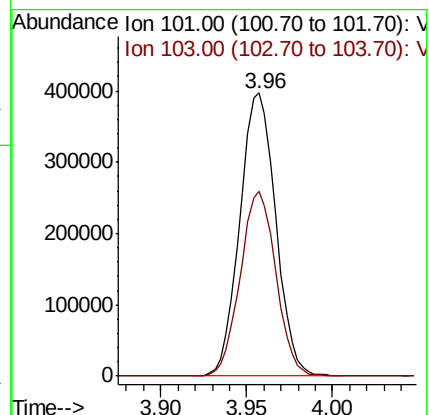
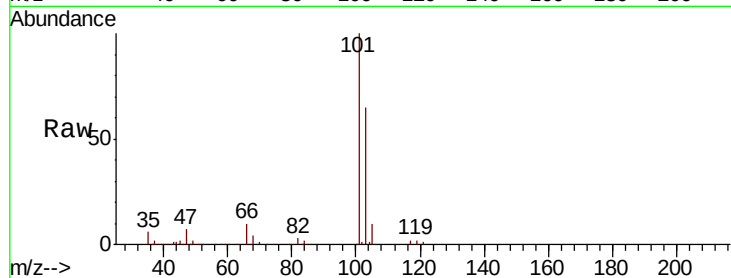
VSTDIC002

Tot Ion:101 Resp: 576386

Ion Ratio Lower Upper

101 100

103 65.4 54.5 81.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.958 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL035506.D

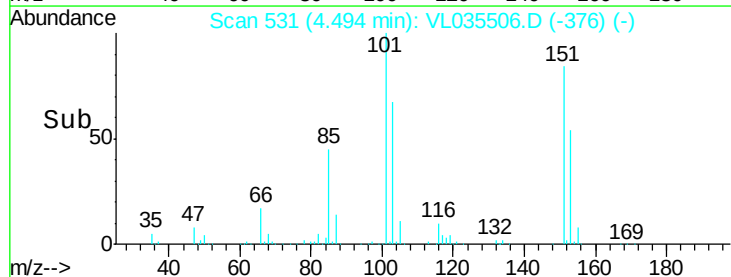
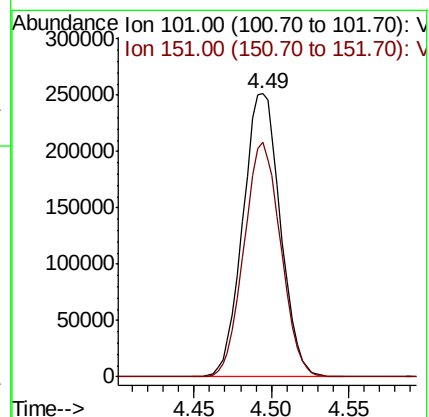
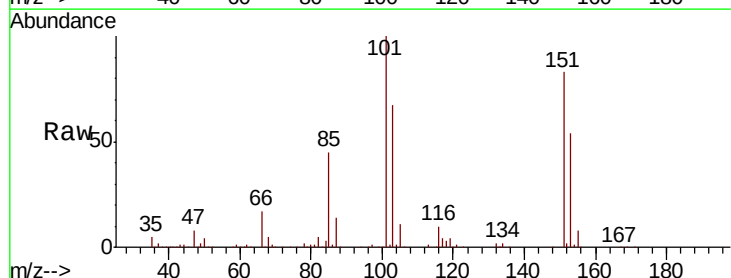
Acq: 27 Aug 2020 2:51

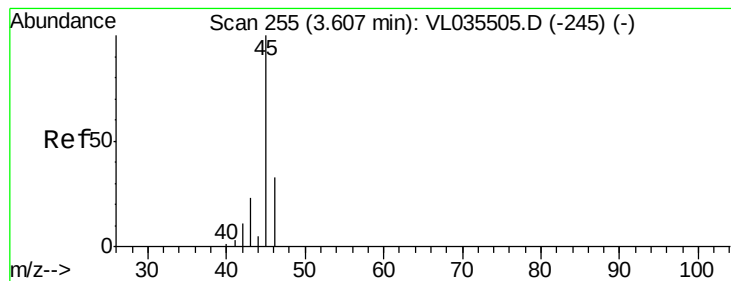
Tgt Ion:101 Resp: 424900

Ion Ratio Lower Upper

101 100

151 81.3 63.5 95.3





#13

Ethanol

Concen: 1.825 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

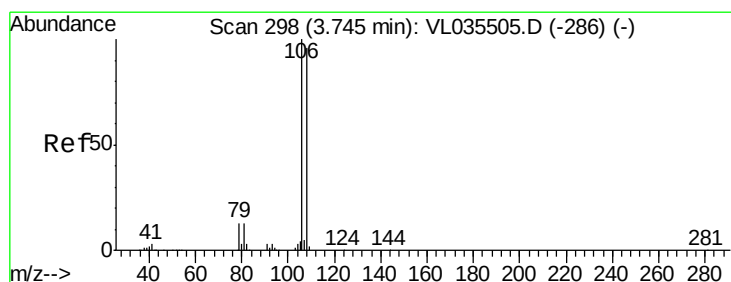
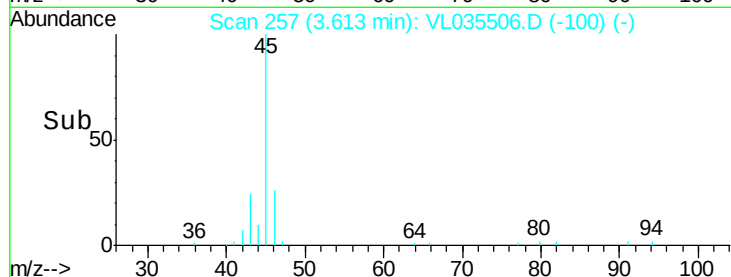
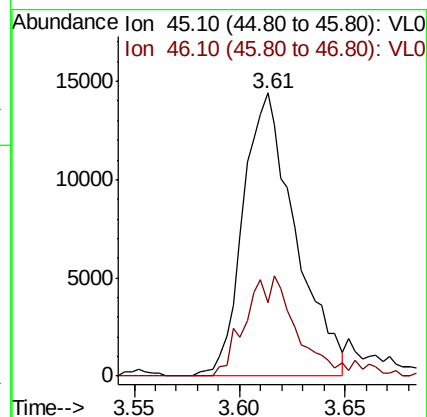
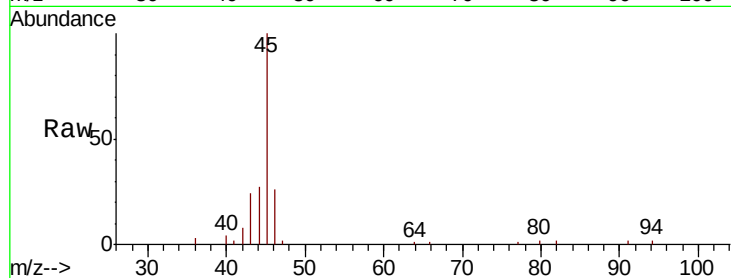
VSTDIC002

Tot Ion: 45 Resp: 24789

Ion Ratio Lower Upper

45 100

46 36.9 15.2 60.6



#14

Bromoethene

Concen: 1.973 ppbv

RT: 3.75 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

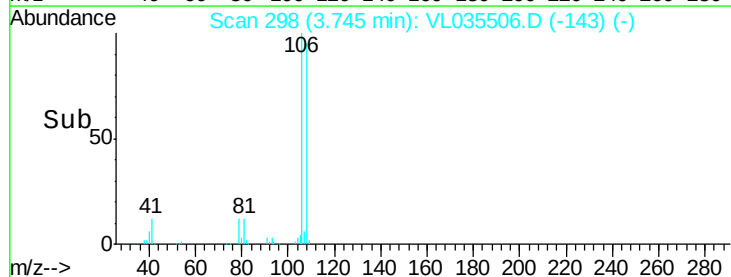
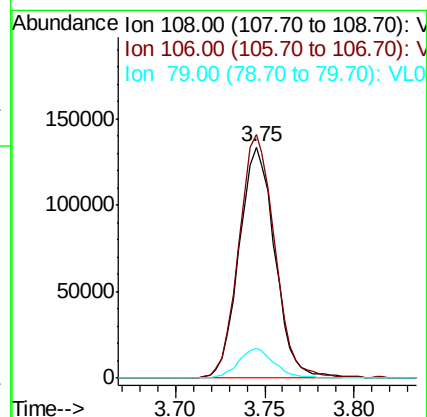
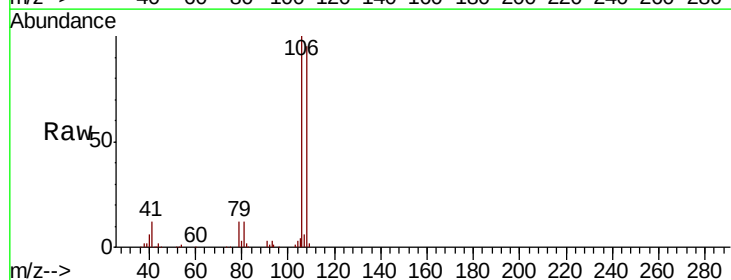
Tgt Ion: 108 Resp: 186255

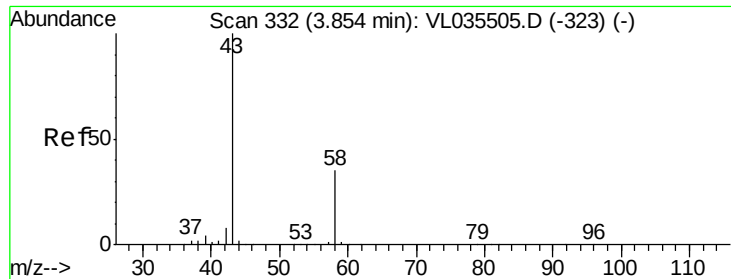
Ion Ratio Lower Upper

108 100

106 106.6 84.9 127.3

79 13.4 10.8 16.2





#15

Acetone

Concen: 2.137 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

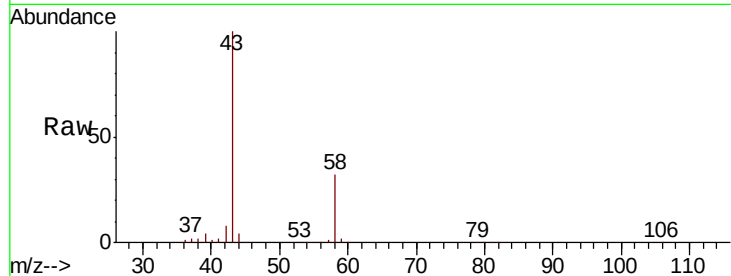
VSTDIC002

Tot Ion: 43 Resp: 252593

Ion Ratio Lower Upper

43 100

58 37.7 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

200000

150000

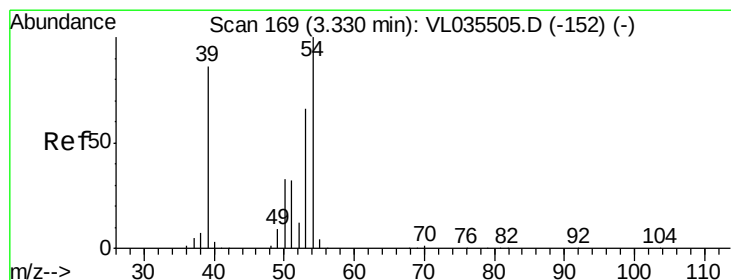
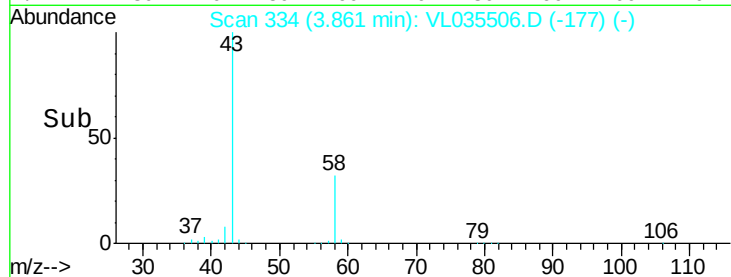
100000

50000

0

Time-->

3.80 3.85 3.90



#16

1,3-Butadiene

Concen: 1.969 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL035506.D

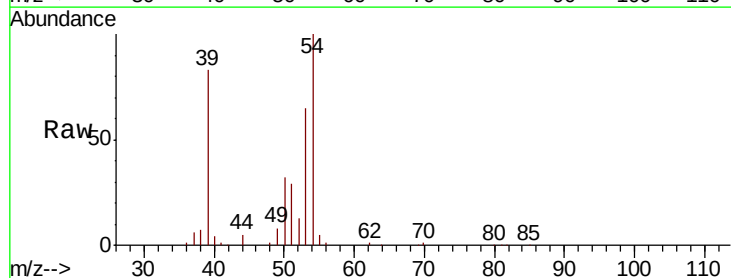
Acq: 27 Aug 2020 2:51

Tgt Ion: 39 Resp: 92433

Ion Ratio Lower Upper

39 100

54 110.8 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

80000

60000

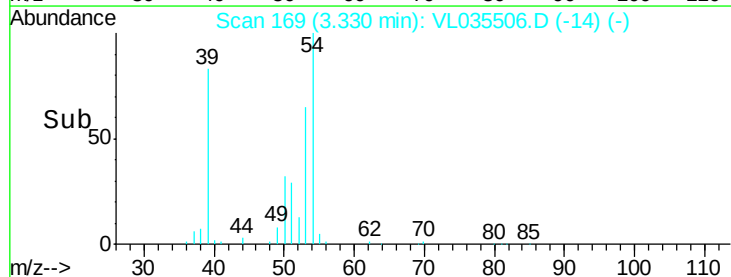
40000

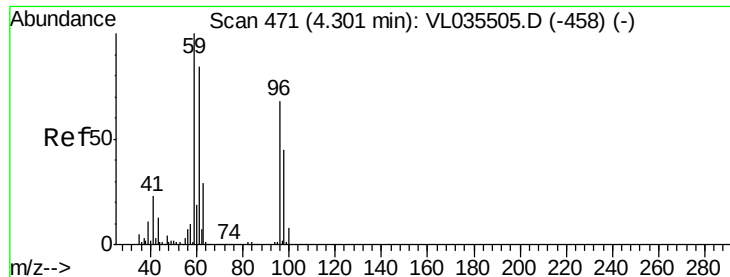
20000

0

Time-->

3.25 3.30 3.35 3.40



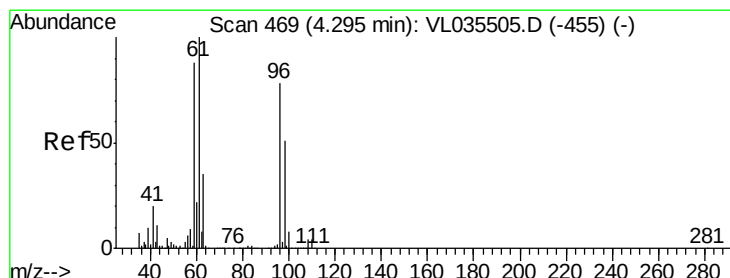
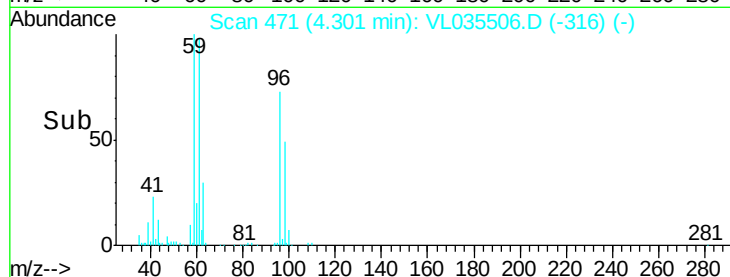
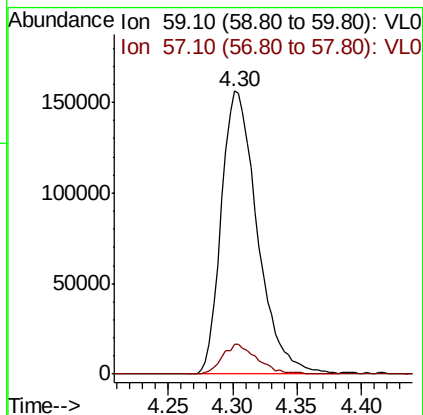
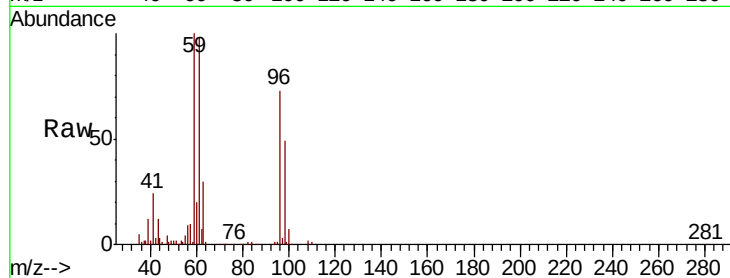


#17

tert-Butyl alcohol
Concen: 2.019 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

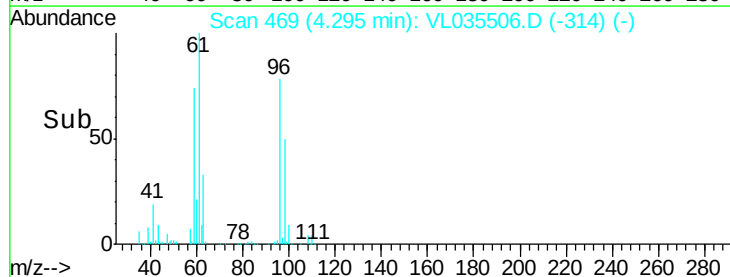
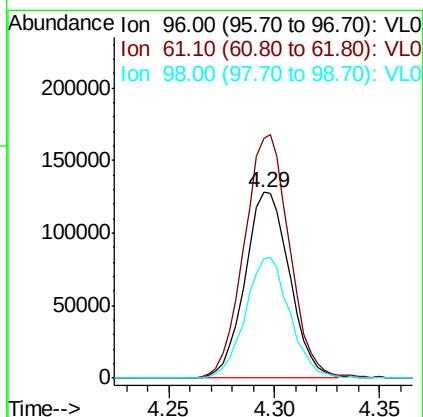
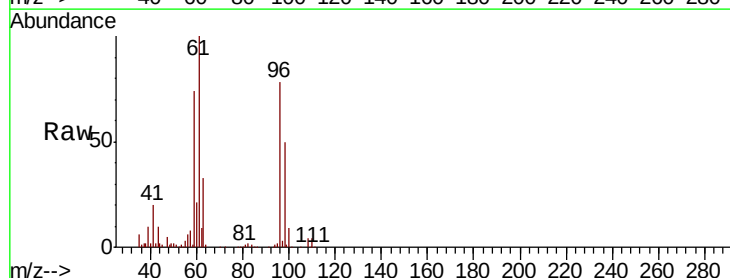
Tot Ion: 59 Resp: 303689
Ion Ratio Lower Upper
59 100
57 10.2 8.4 12.6

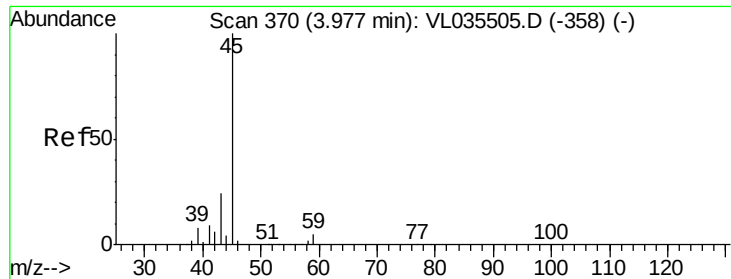


#18

1,1-Dichloroethene
Concen: 1.967 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion: 96 Resp: 188956
Ion Ratio Lower Upper
96 100
61 128.7 103.0 154.6
98 64.3 52.8 79.2

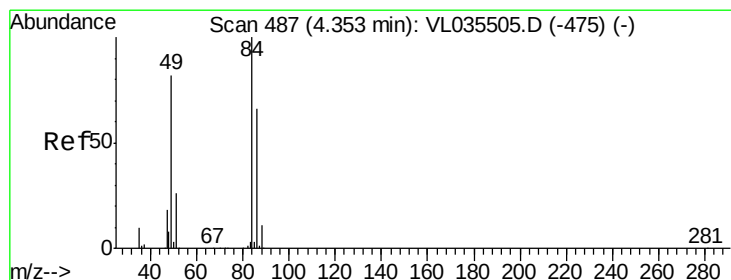
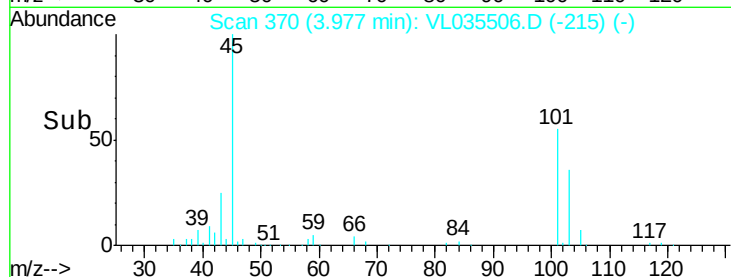
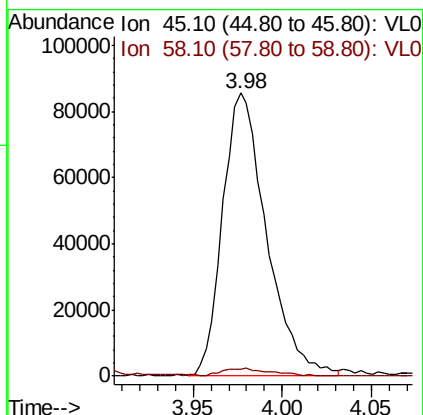
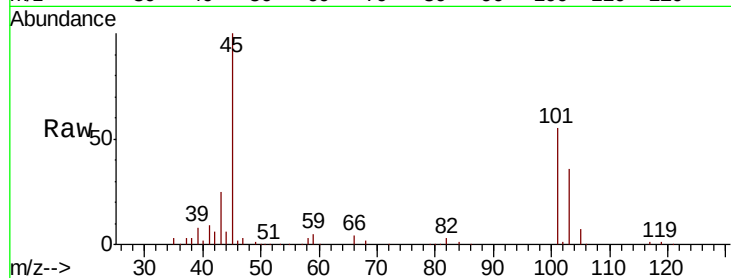




#19
Isopropyl Alcohol
Concen: 1.907 ppbv
RT: 3.98 min Scan# 370
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

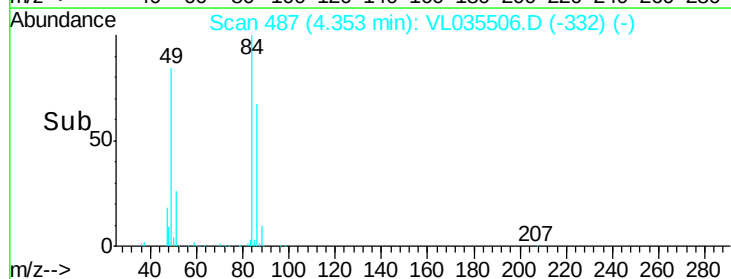
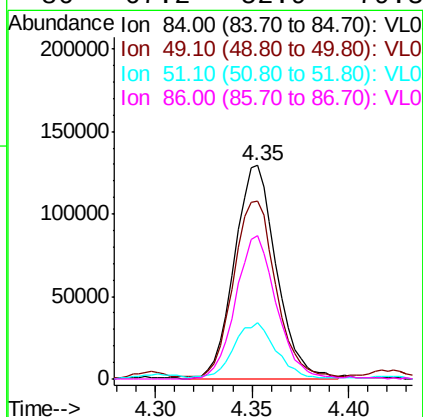
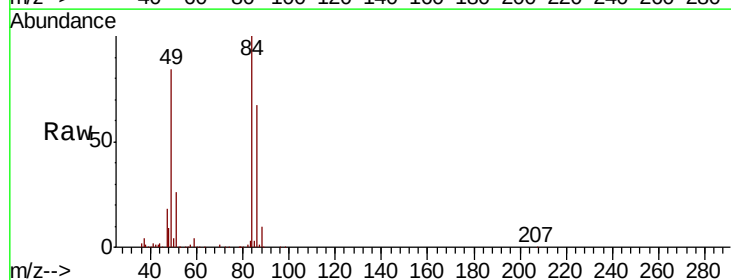
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

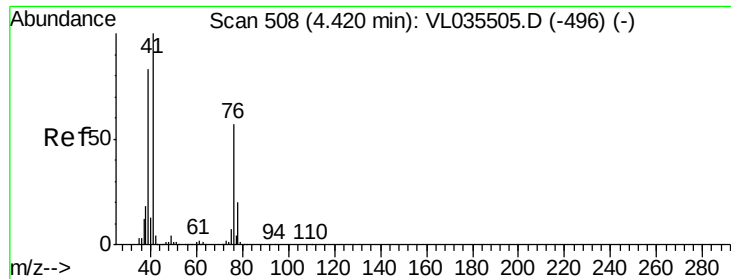
Tot Ion: 45 Resp: 145701
Ion Ratio Lower Upper
45 100
58 3.4 2.0 3.0#



#20
Methylene Chloride
Concen: 1.539 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion: 84 Resp: 193921
Ion Ratio Lower Upper
84 100
49 82.8 65.4 98.0
51 25.9 21.5 32.3
86 67.2 52.9 79.3

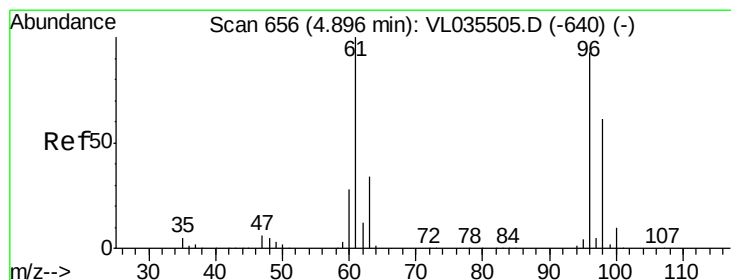
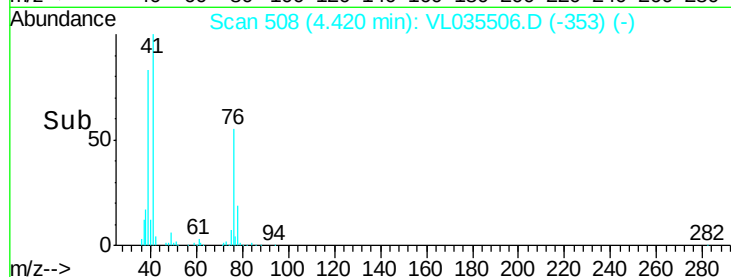
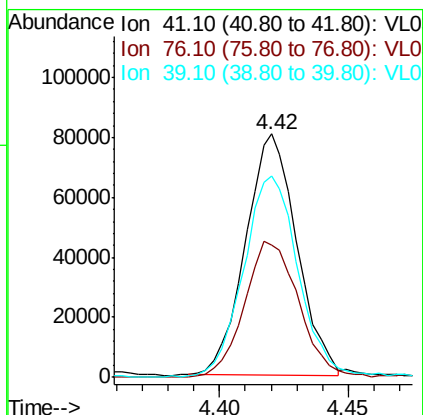
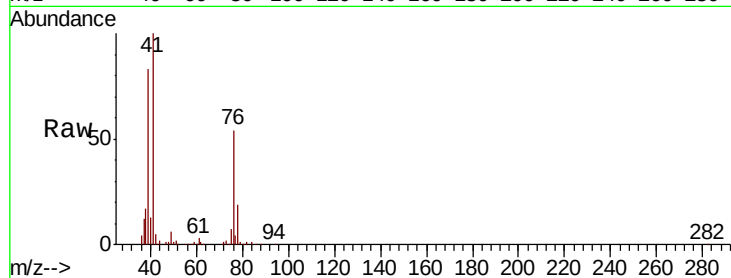




#21
Allvl Chloride
Concen: 1.881 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

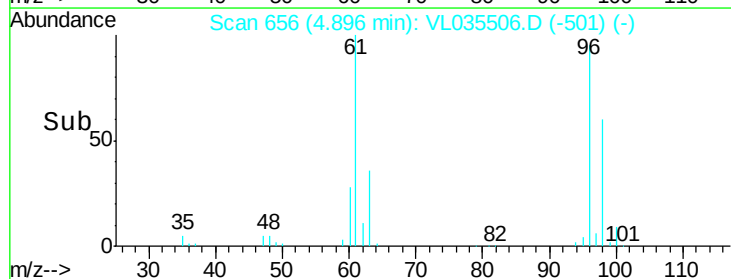
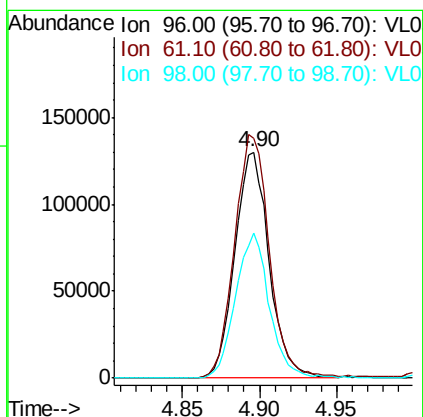
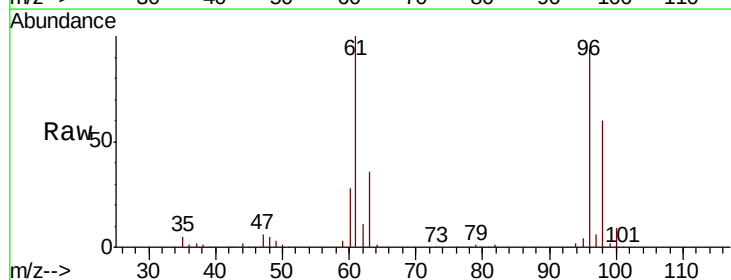
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

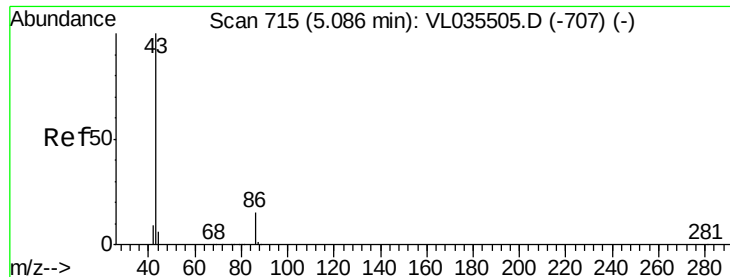
Tot Ion: 41 Resp: 112081
Ion Ratio Lower Upper
41 100
76 60.3 46.2 69.2
39 88.8 67.8 101.6



#22
trans-1,2-Dichloroethene
Concen: 1.970 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion: 96 Resp: 199950
Ion Ratio Lower Upper
96 100
61 105.8 86.0 129.0
98 63.8 52.3 78.5





#23

Vinyl Acetate

Concen: 2.054 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 319551

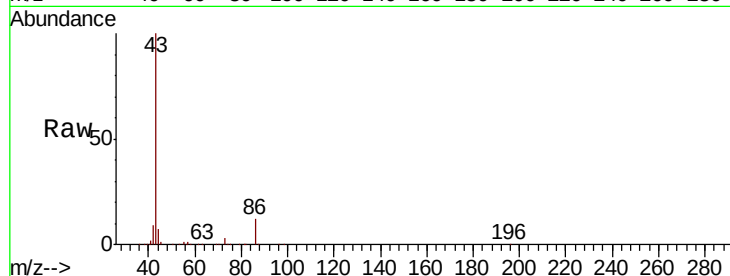
Ion Ratio Lower Upper

43 100

86 11.7 10.6 16.0

42 8.8 7.5 11.3

44 6.2 4.4 6.6

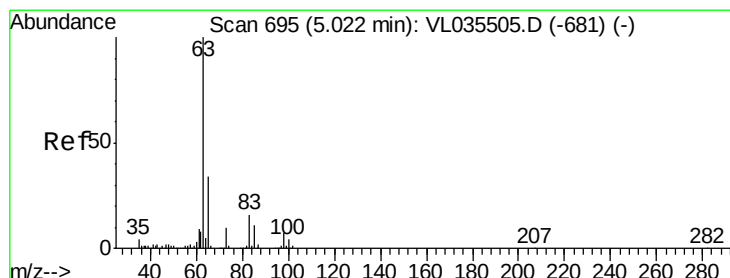
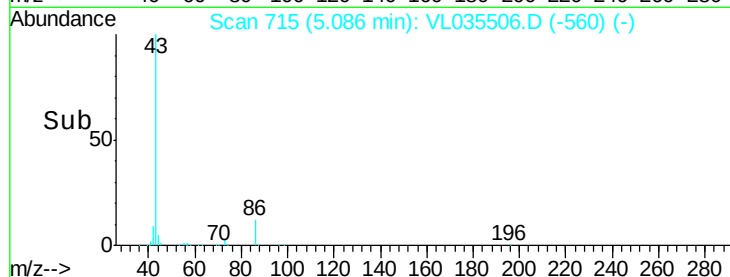
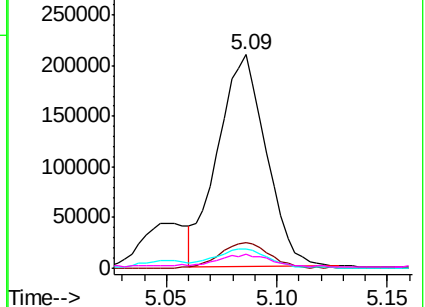


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.032 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

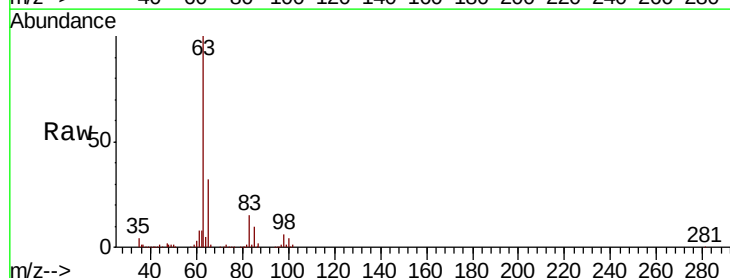
Tgt Ion: 63 Resp: 331658

Ion Ratio Lower Upper

63 100

98 5.6 3.4 10.1

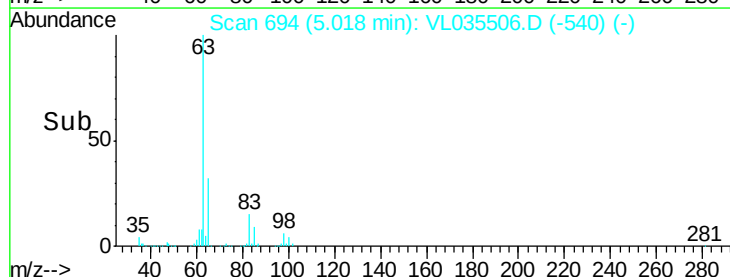
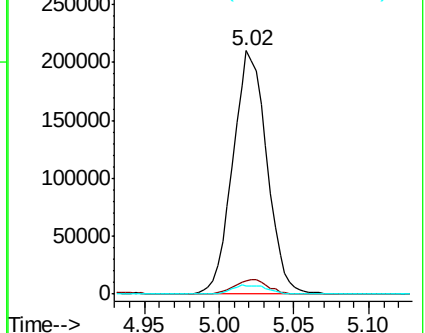
100 3.6 2.1 6.5

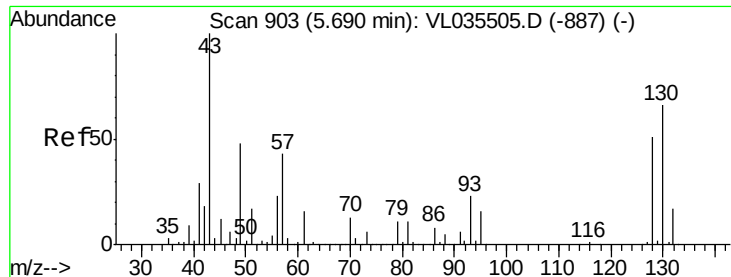


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

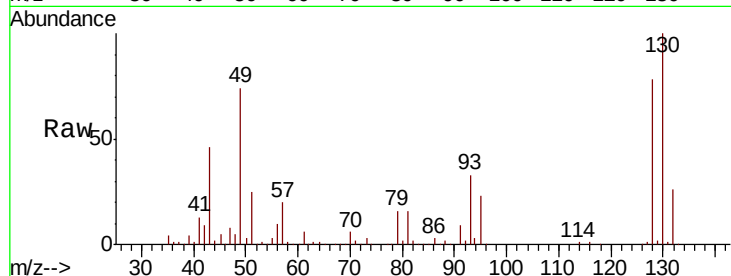




#25
Ethyl Acetate
Concen: 2.017 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:	43	Resp:	451574
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.4	12.6
61	13.1	10.6	16.0
70	10.7	9.4	14.2



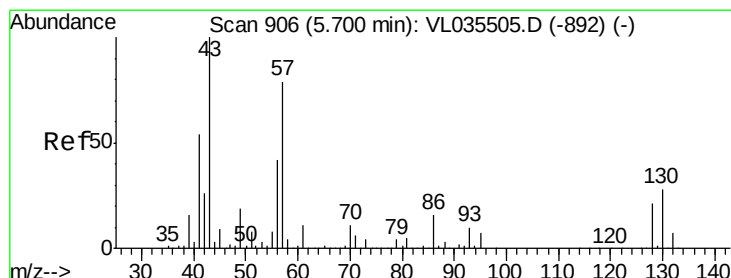
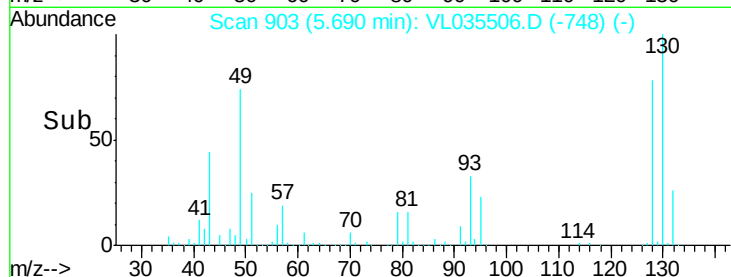
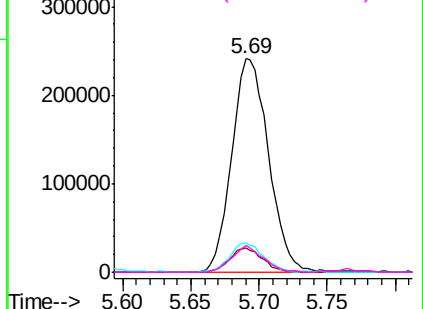
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

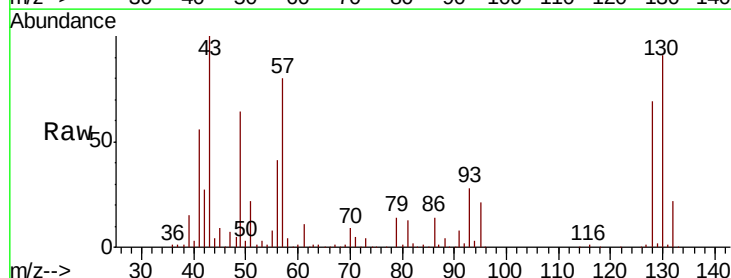
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 1.916 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion:	57	Resp:	260895
Ion	Ratio	Lower	Upper
57	100		
41	70.7	55.9	83.9
43	175.6	141.8	212.8
56	52.4	41.8	62.8



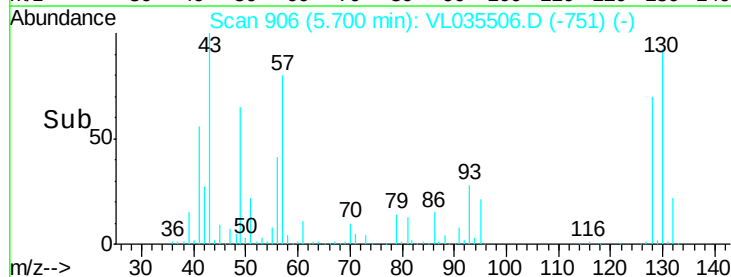
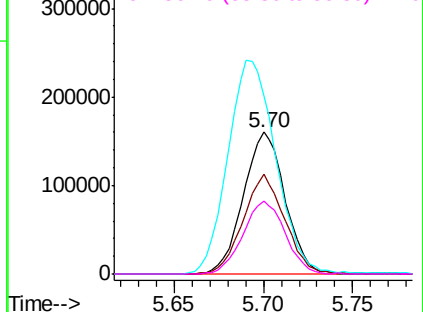
Abundance

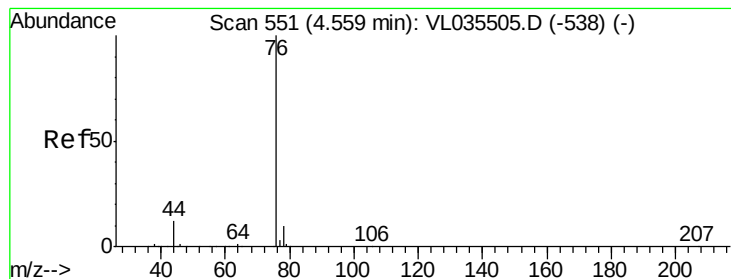
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 1.981 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

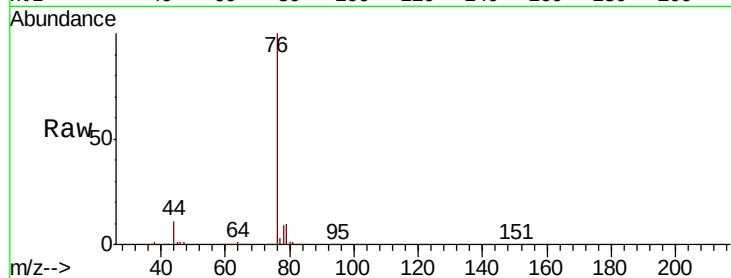
Tot Ion: 76 Resp: 358560

Ion Ratio Lower Upper

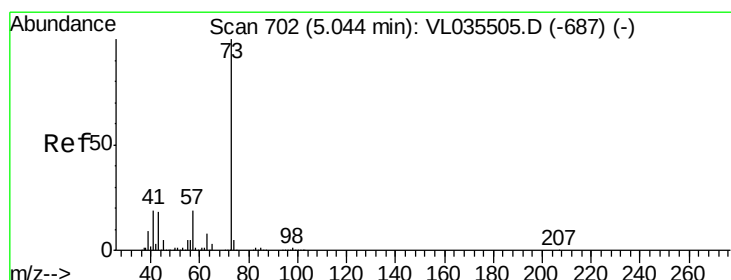
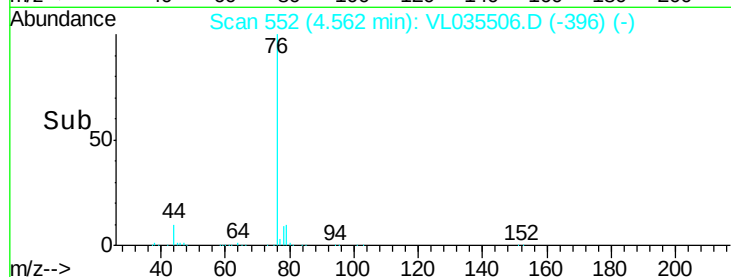
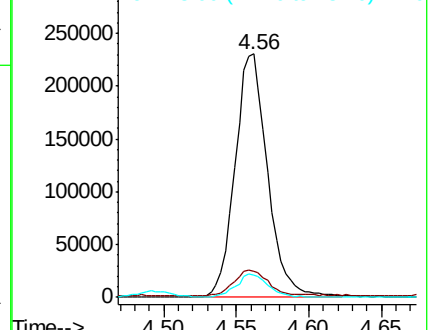
76 100

44 11.7 9.3 13.9

78 9.2 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 2.007 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.01 min

Lab File: VL035506.D

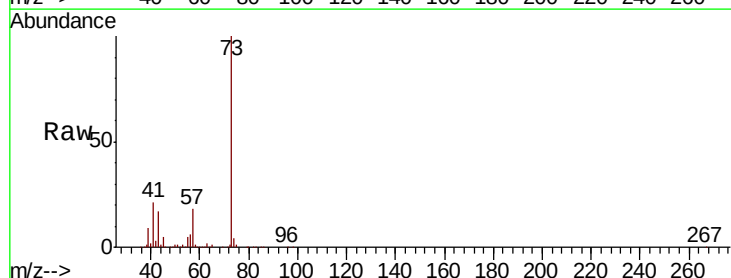
Acq: 27 Aug 2020 2:51

Tgt Ion: 73 Resp: 443309

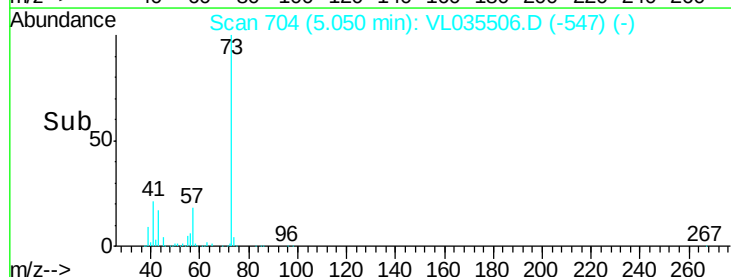
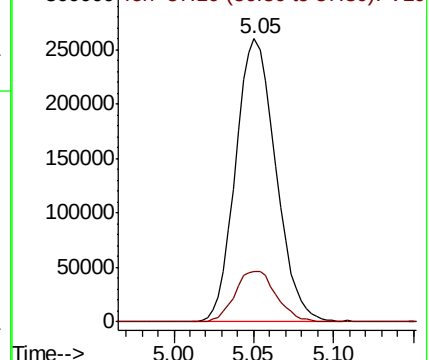
Ion Ratio Lower Upper

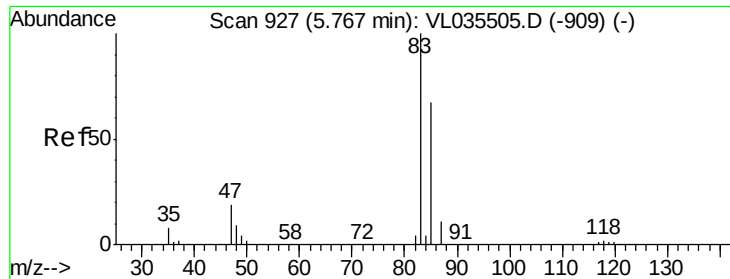
73 100

57 18.6 15.2 22.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

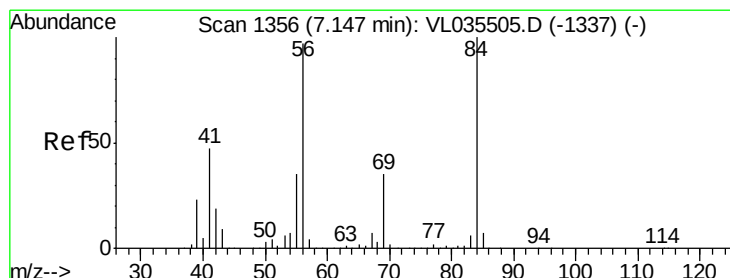
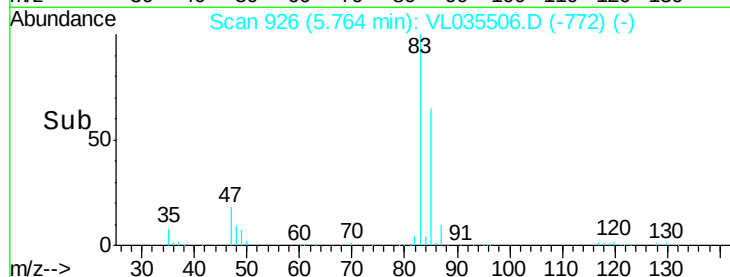
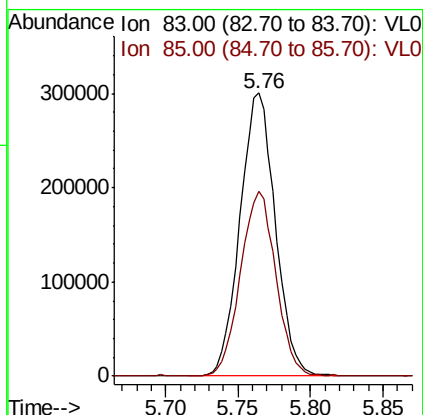
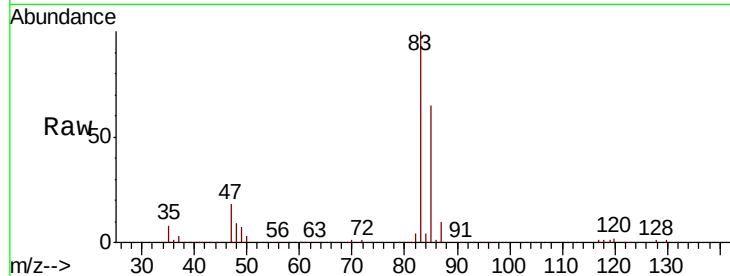




#29
Chloroform
Concen: 1.975 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

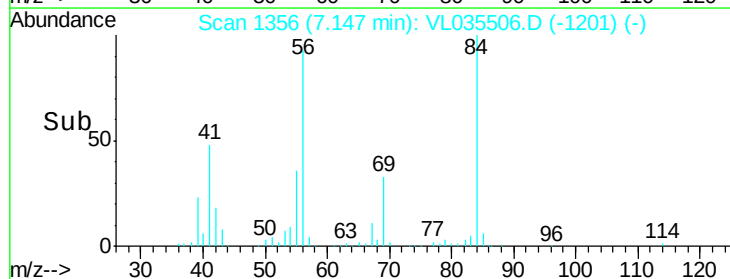
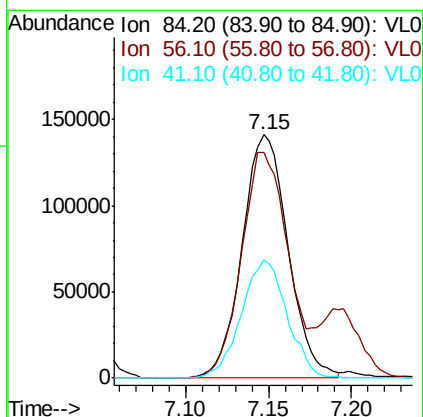
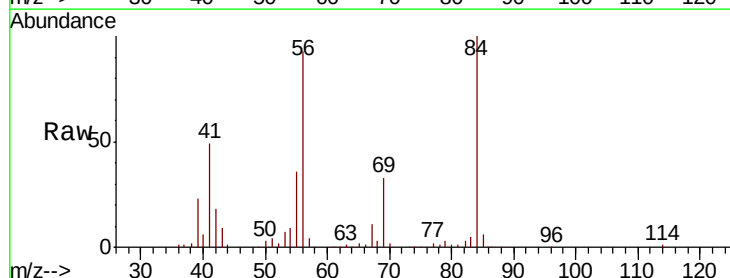
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

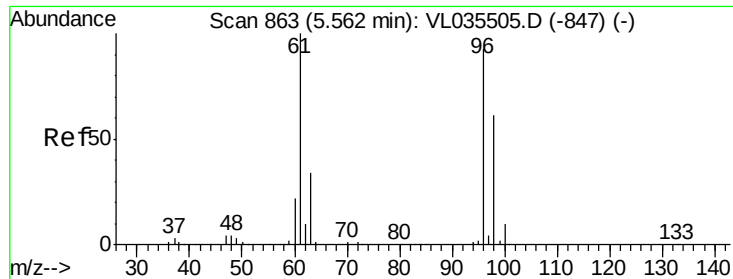
Tot Ion: 83 Resp: 509733
Ion Ratio Lower Upper
83 100
85 65.1 53.9 80.9



#30
Cyclohexane
Concen: 1.996 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion: 84 Resp: 272800
Ion Ratio Lower Upper
84 100
56 119.9 80.1 120.1
41 48.4 38.1 57.1



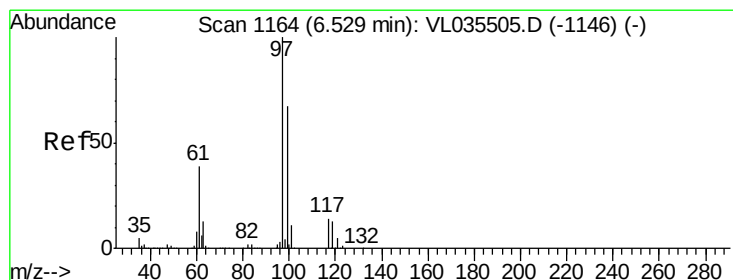
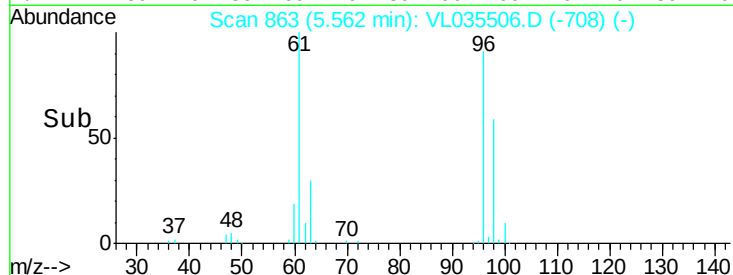
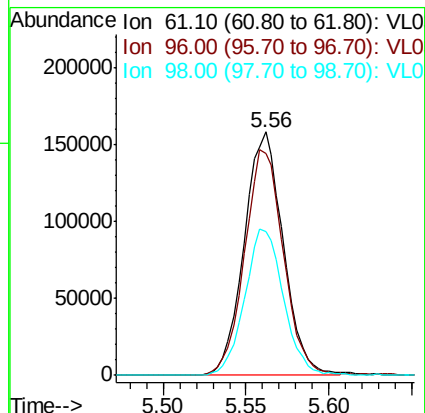
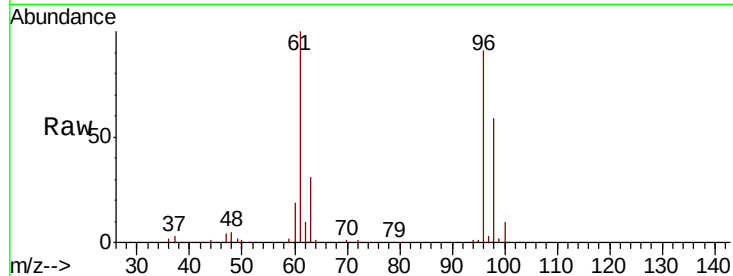


#31

cis-1,2-Dichloroethene
 Concen: 2.015 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

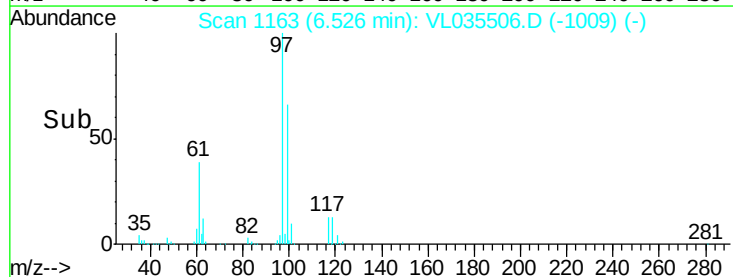
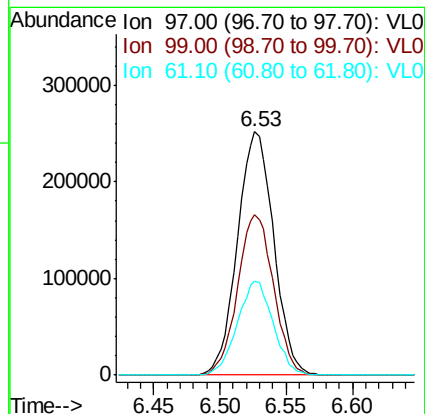
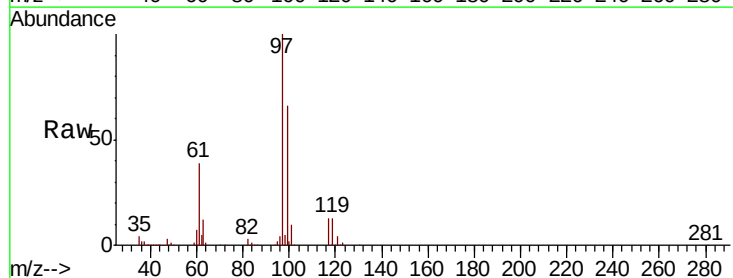
Tot Ion	Ratio	Lower	Upper
61	100		
96	91.0	74.4	111.6
98	59.0	49.2	73.8

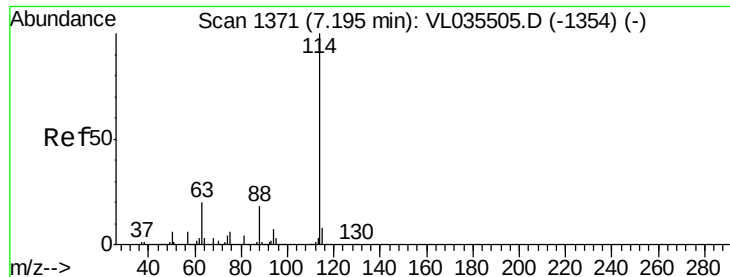


#32

1,1,1-Trichloroethane
 Concen: 2.031 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	53.3	79.9
61	38.0	30.6	46.0

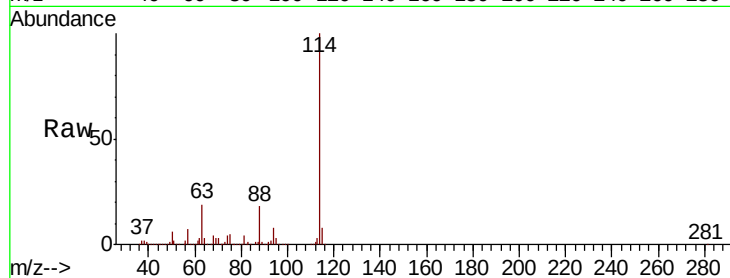




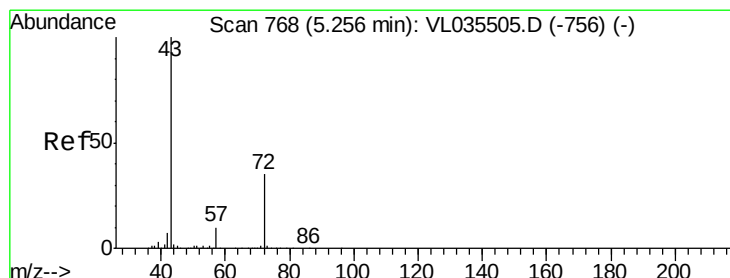
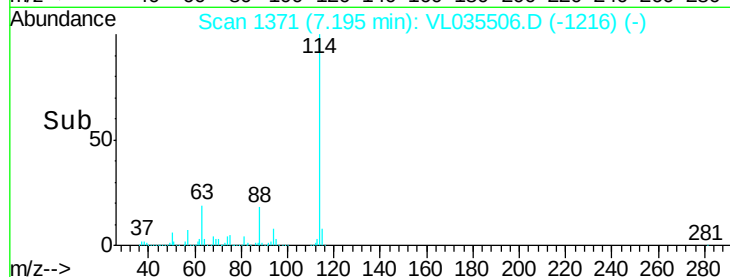
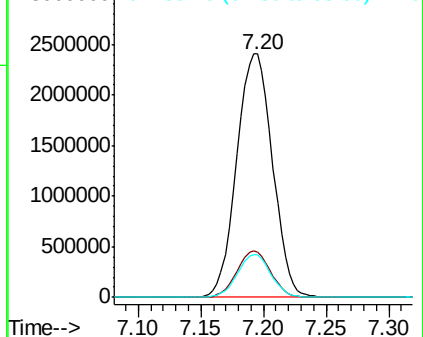
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 4778482
 Ion Ratio Lower Upper
 114 100
 63 18.1 14.7 22.1
 88 16.7 13.4 20.2

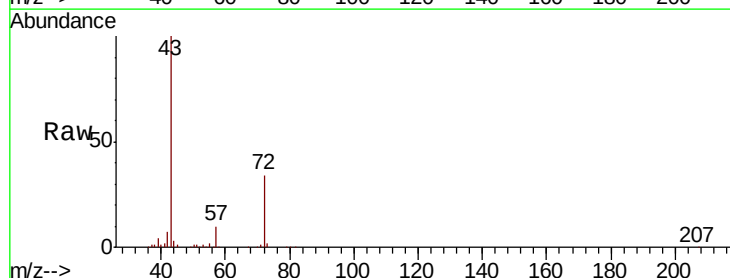


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

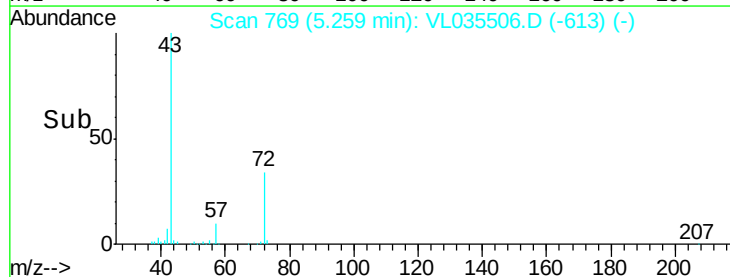
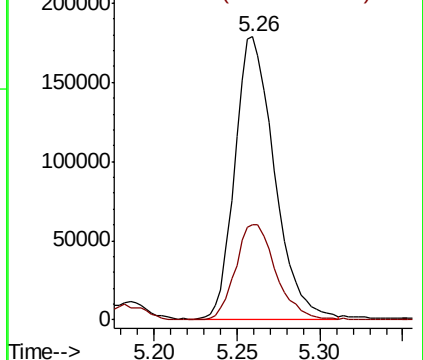


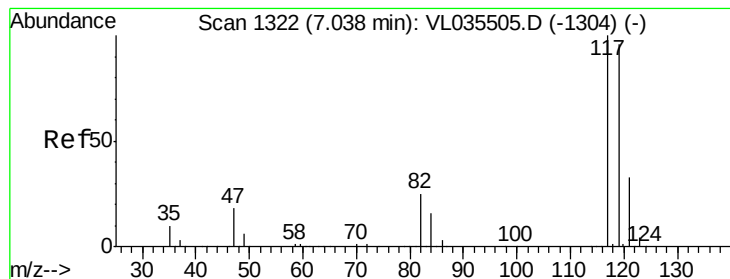
#34
 2-Butanone
 Concen: 2.097 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion: 43 Resp: 296247
 Ion Ratio Lower Upper
 43 100
 72 34.3 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 2.134 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

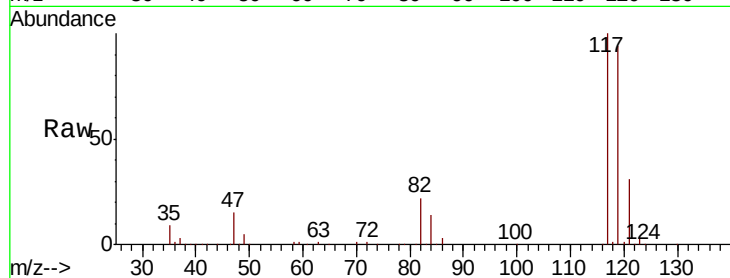
Tot Ion:117 Resp: 496101

Ion Ratio Lower Upper

117 100

119 93.8 77.2 115.8

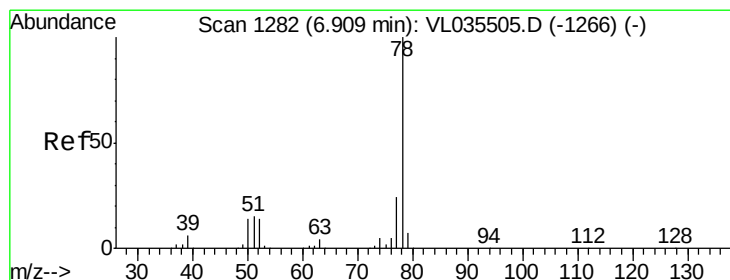
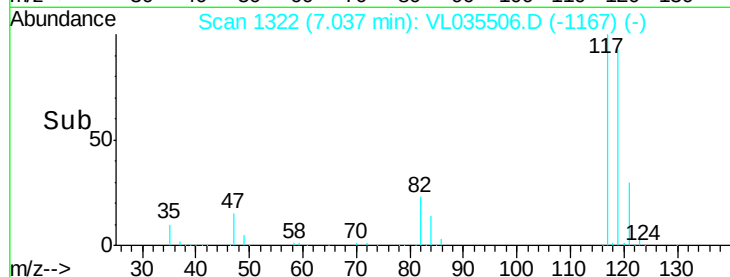
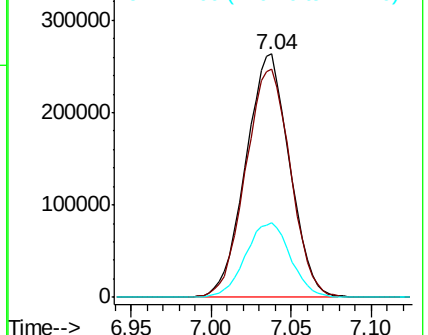
121 30.8 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 2.102 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

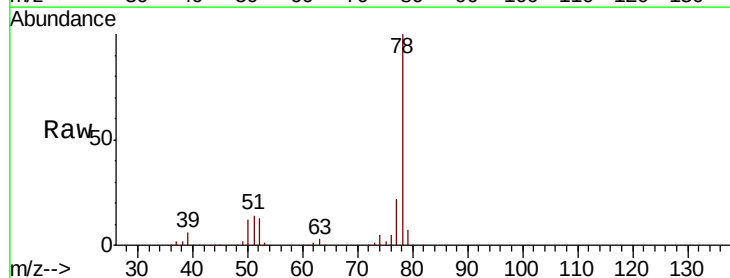
Tgt Ion: 78 Resp: 660744

Ion Ratio Lower Upper

78 100

77 22.4 19.3 28.9

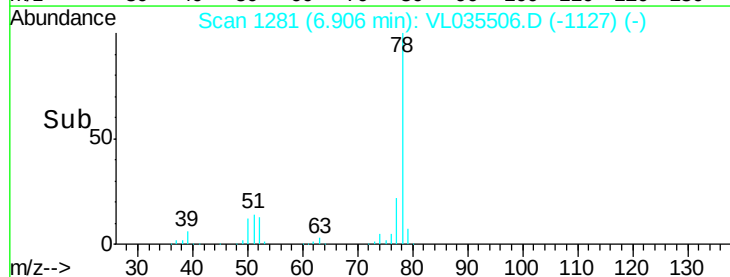
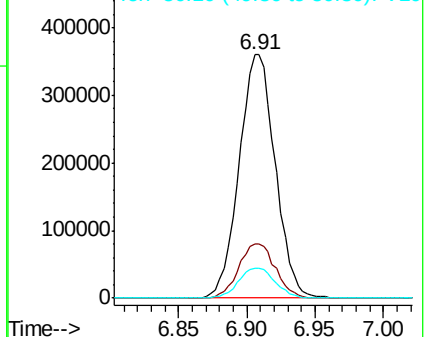
50 12.4 11.0 16.6

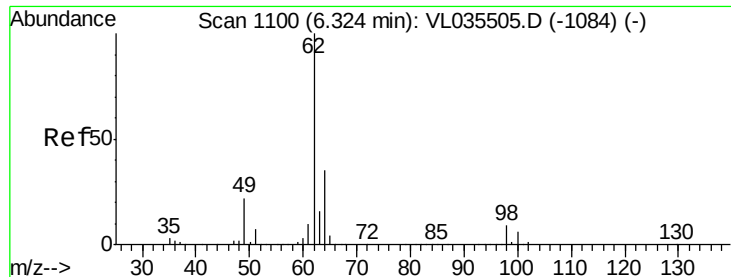


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

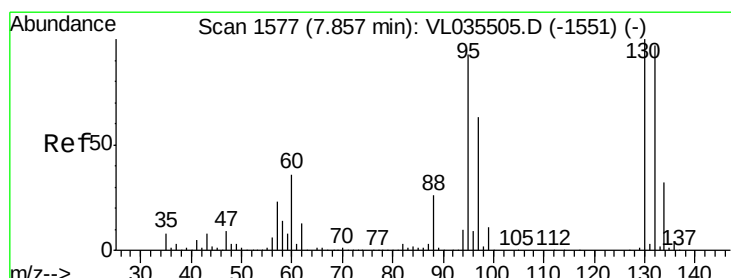
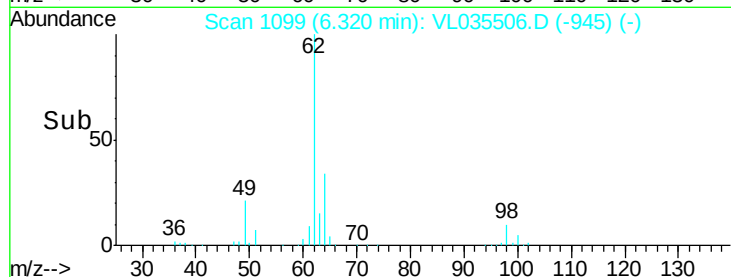
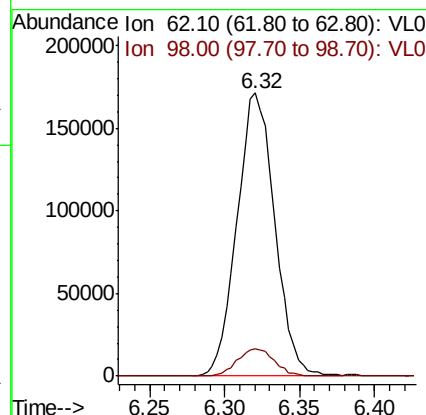
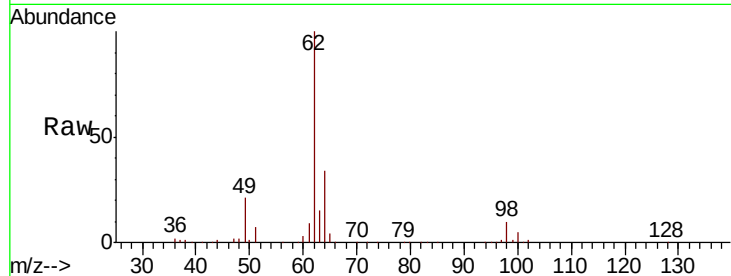




#37
 1,2-Dichloroethane
 Concen: 2.024 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

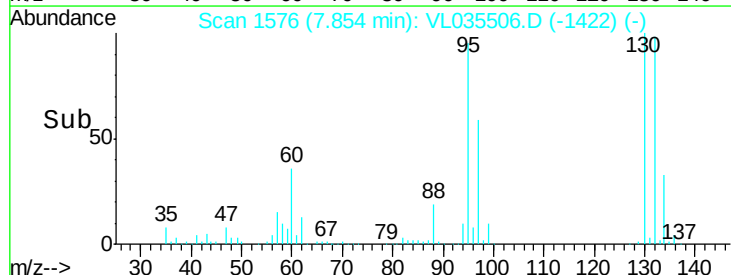
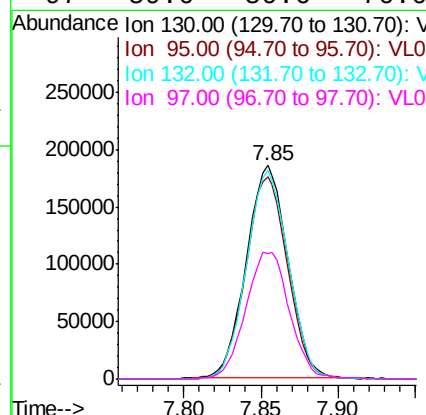
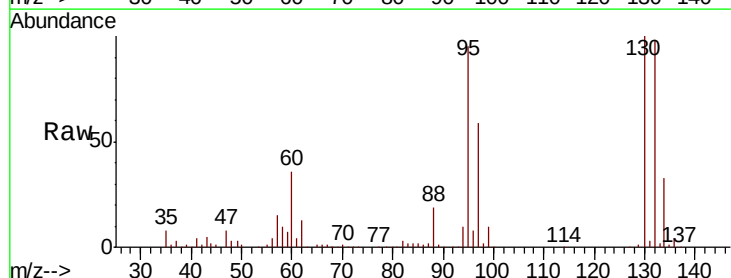
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

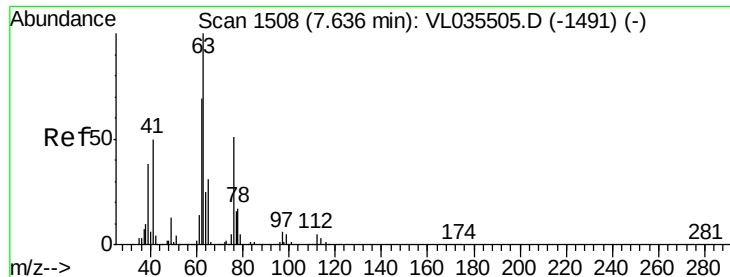
Tot Ion: 62 Resp: 301362
 Ion Ratio Lower Upper
 62 100
 98 9.6 7.4 11.0



#38
 Trichloroethene
 Concen: 2.009 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion: 130 Resp: 348972
 Ion Ratio Lower Upper
 130 100
 95 95.0 74.6 112.0
 132 98.2 77.6 116.4
 97 59.0 50.6 76.0





#39

1,2-Dichloropropane

Concen: 2.076 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

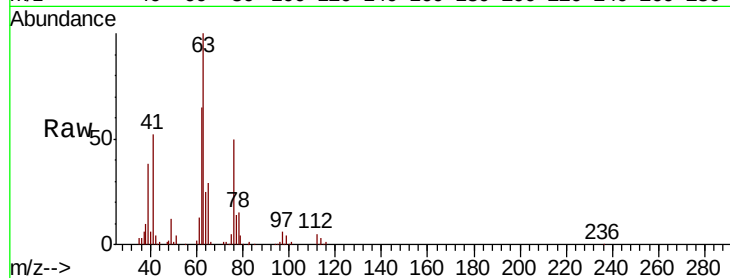
Tot Ion: 63 Resp: 218544

Ion Ratio Lower Upper

63 100

41 51.5 40.0 60.0

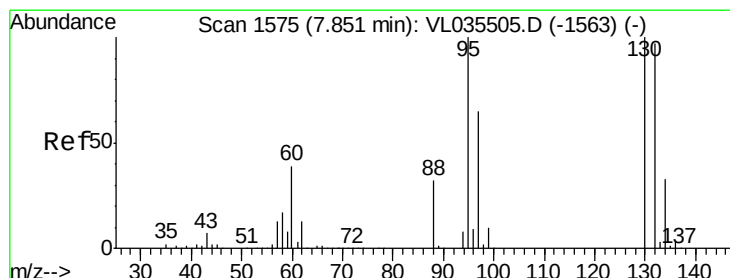
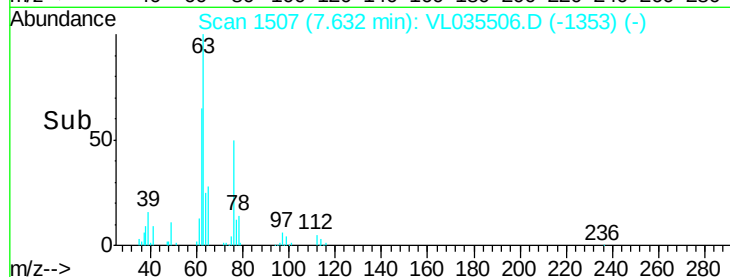
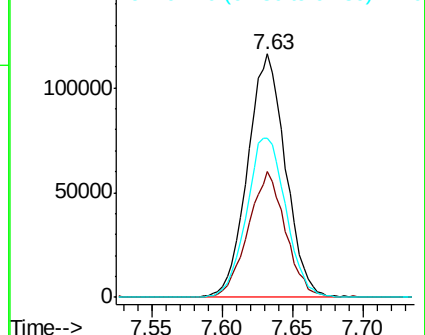
62 65.2 55.4 83.0



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



#40

1,4-Dioxane

Concen: 2.093 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion: 88 Resp: 108514

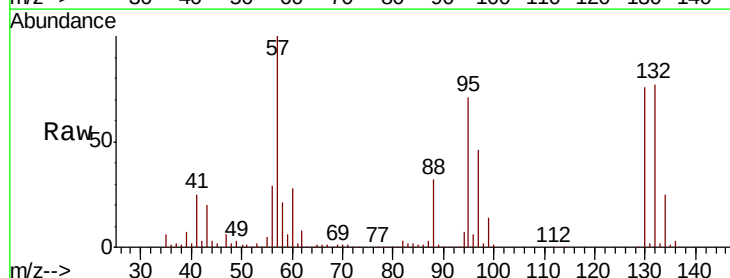
Ion Ratio Lower Upper

88 100

58 92.5 68.7 103.1

43 146.6 104.3 156.5

57 822.0 560.7 841.1

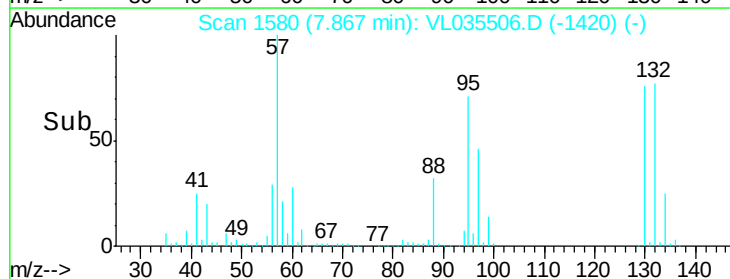
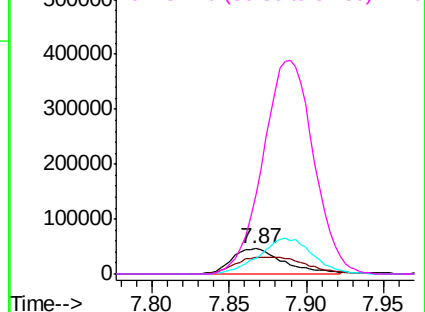


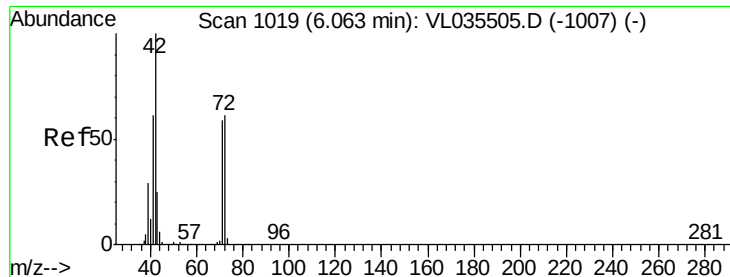
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 2.042 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

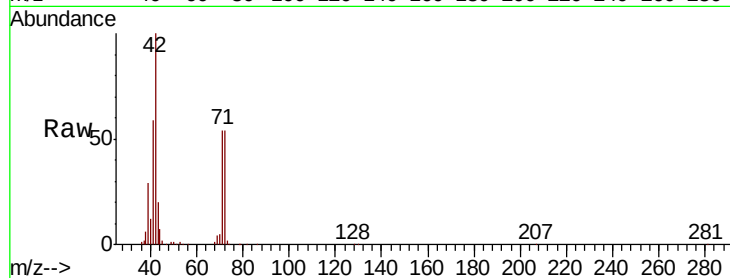
Tot Ion: 42 Resp: 156270

Ion Ratio Lower Upper

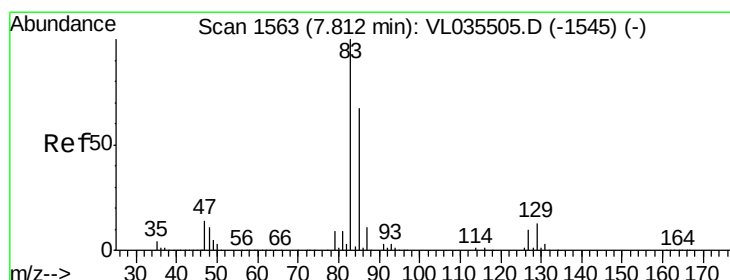
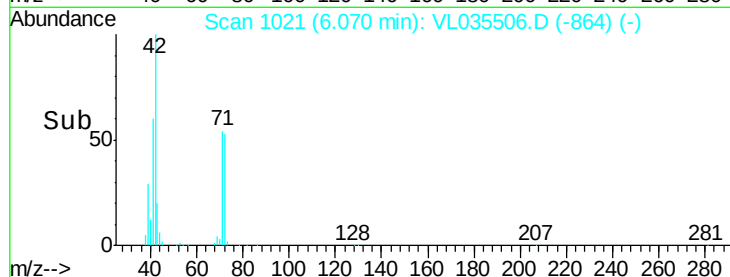
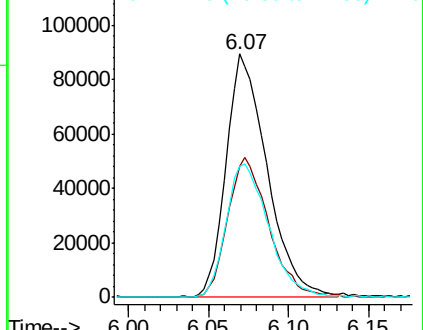
42 100

72 58.6 48.6 73.0

71 57.7 46.1 69.1



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 2.040 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

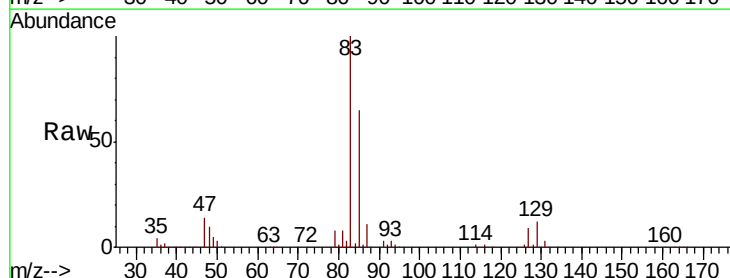
Tgt Ion: 83 Resp: 496023

Ion Ratio Lower Upper

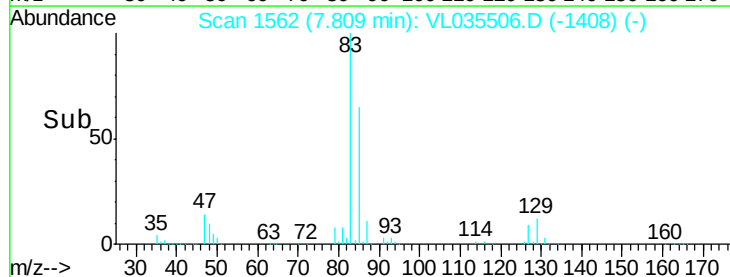
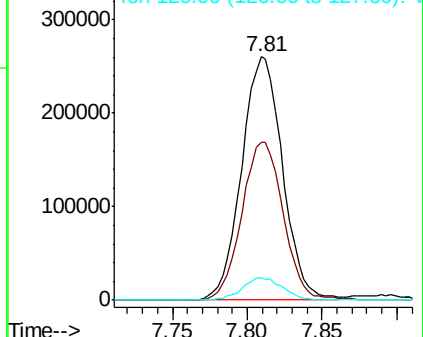
83 100

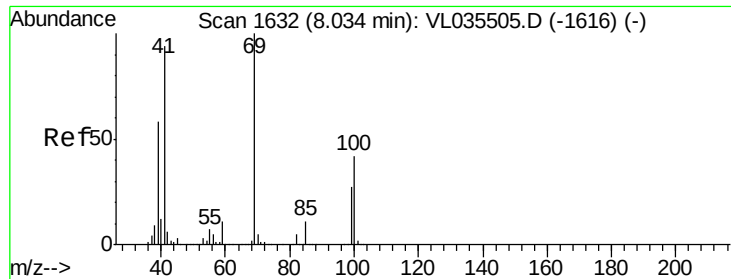
85 65.0 53.7 80.5

127 9.1 8.1 12.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

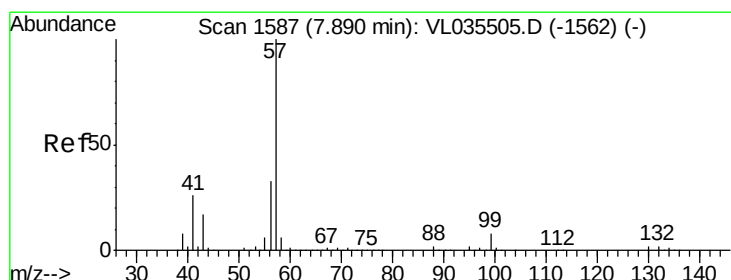
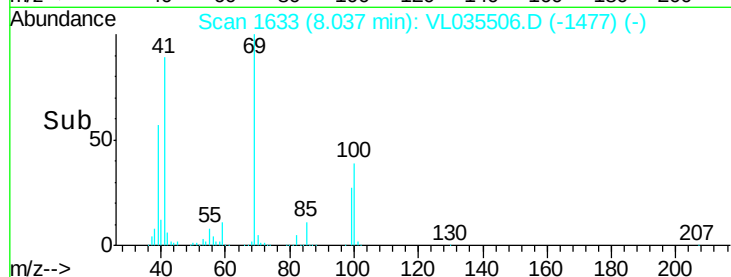
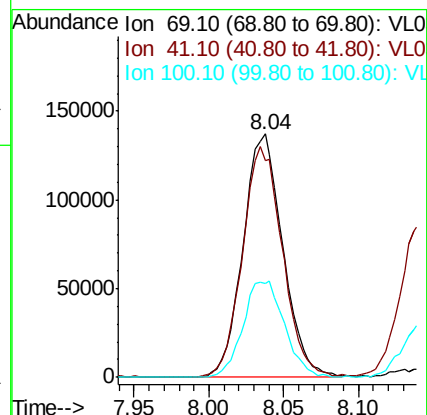
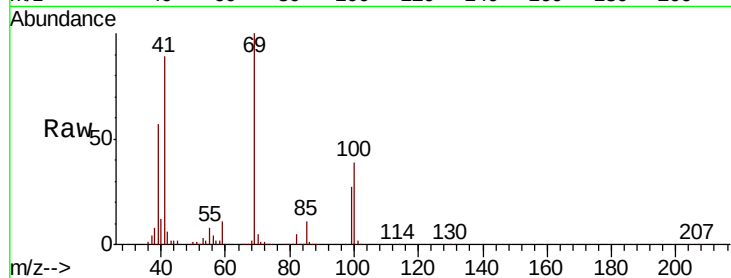




#43
Methyl Methacrylate
Concen: 2.089 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

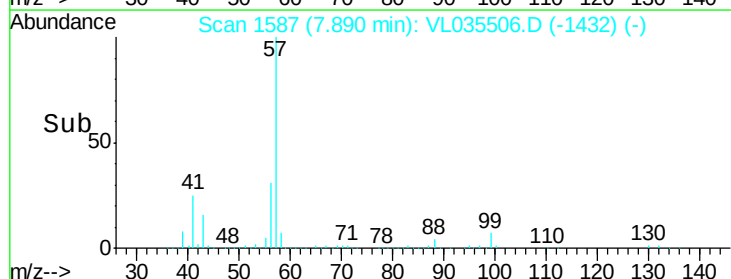
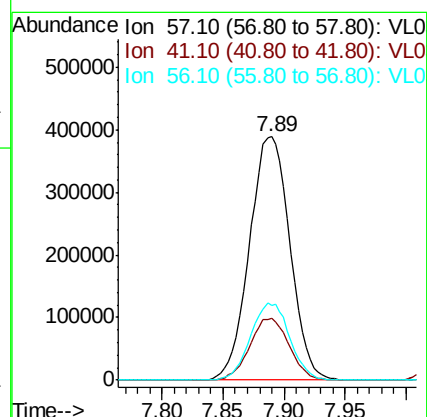
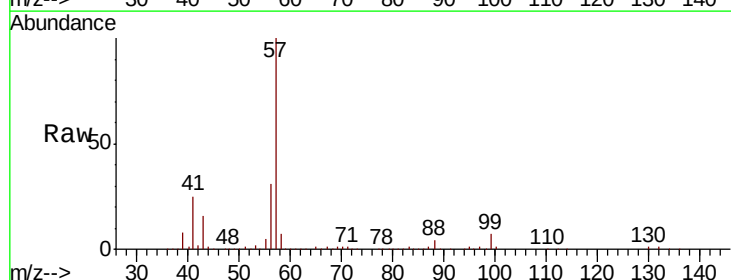
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

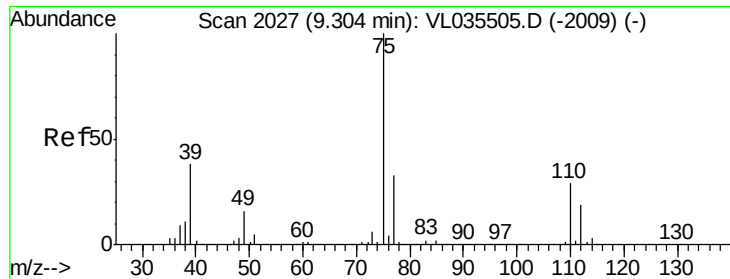
Tot Ion: 69 Resp: 254319
Ion Ratio Lower Upper
69 100
41 95.0 76.6 114.8
100 41.0 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 2.162 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion: 57 Resp: 890205
Ion Ratio Lower Upper
57 100
41 24.7 20.5 30.7
56 30.8 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 1.980 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

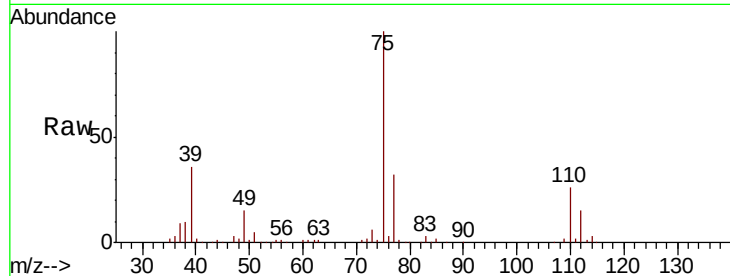
VSTDIC002

Tot Ion: 75 Resp: 246497

Ion Ratio Lower Upper

75 100

77 32.4 26.5 39.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

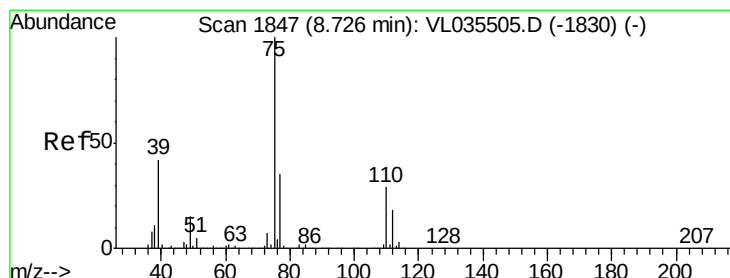
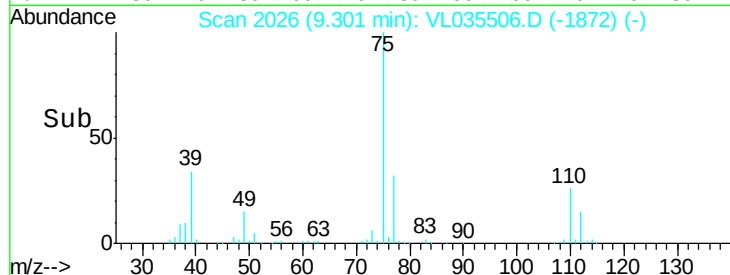
150000

100000

50000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 2.023 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

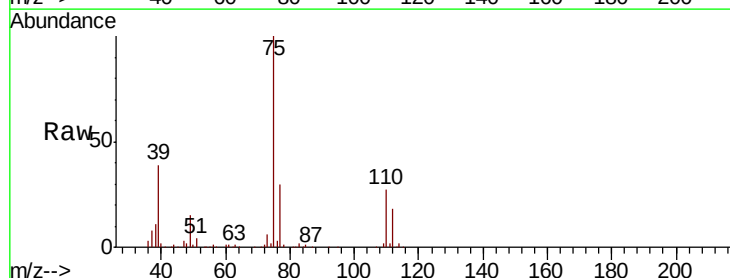
Tgt Ion: 75 Resp: 312239

Ion Ratio Lower Upper

75 100

39 38.8 33.7 50.5

77 30.2 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.72

200000

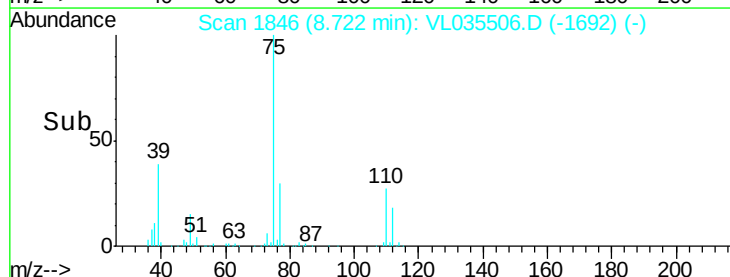
150000

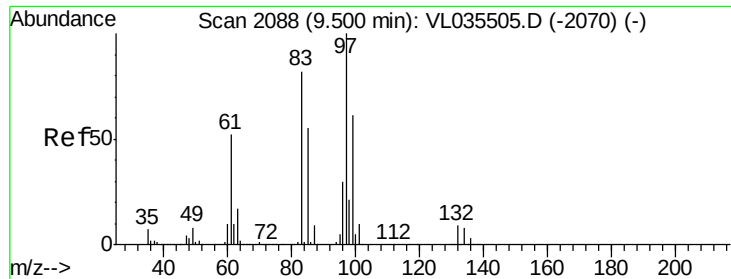
100000

50000

0

Time-->

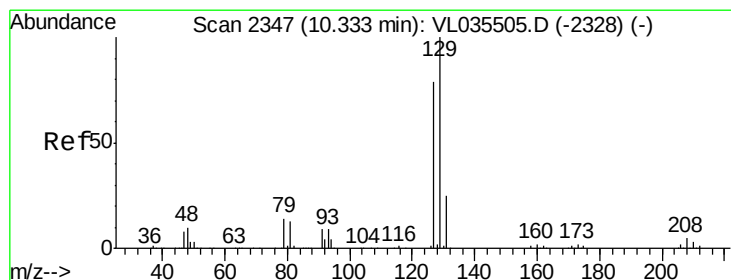
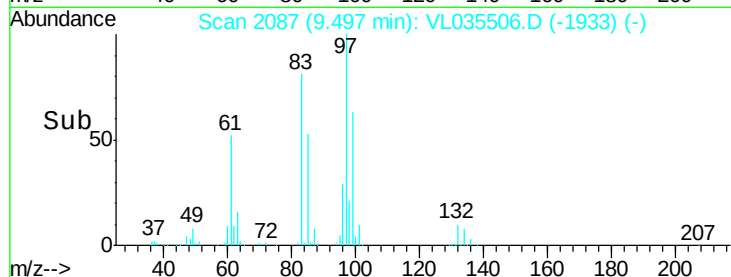
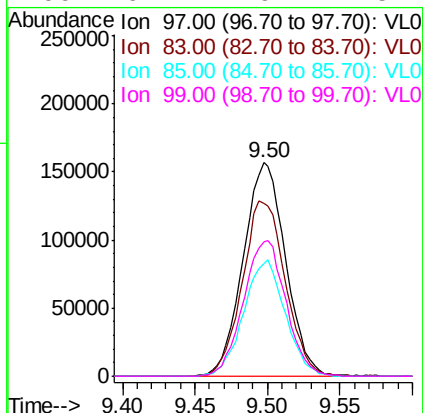
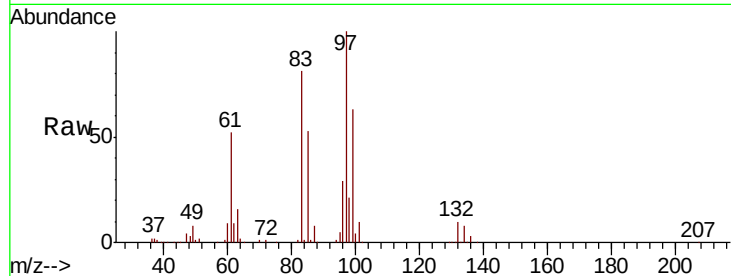




#47
 1,1,2-Trichloroethane
 Concen: 2.027 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

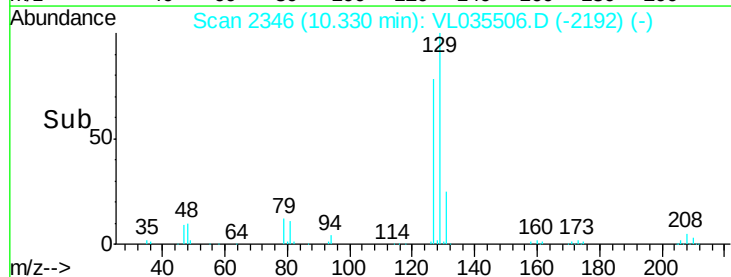
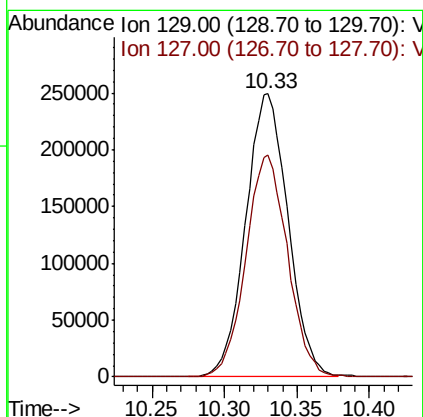
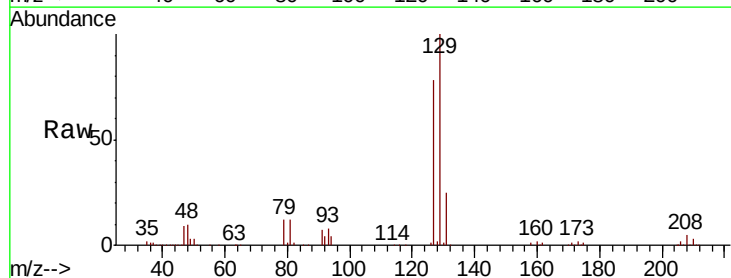
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

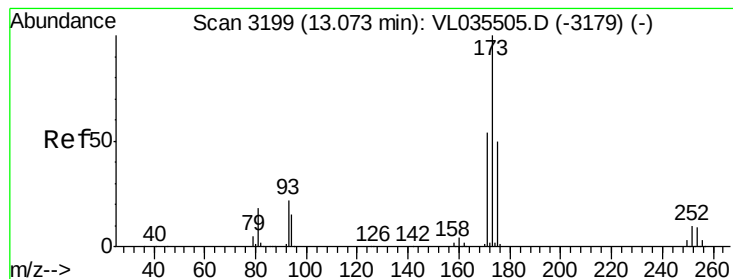
Tot Ion:	97	Resp:	318983
Ion	Ratio	Lower	Upper
97	100		
83	81.1	65.4	98.2
85	52.9	43.7	65.5
99	62.7	49.1	73.7



#48
 Dibromochloromethane
 Concen: 2.027 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion:	129	Resp:	506440
Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8





#49

Bromoform

Concen: 1.974 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

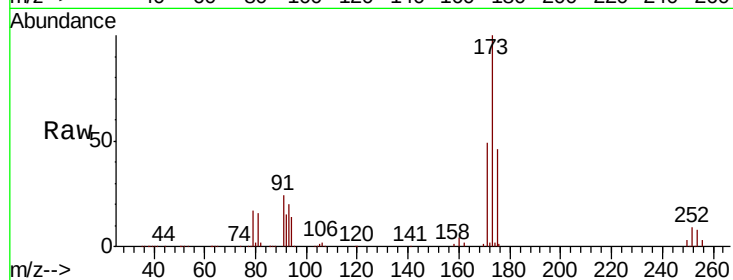
Tot Ion:173 Resp: 456808

Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.8

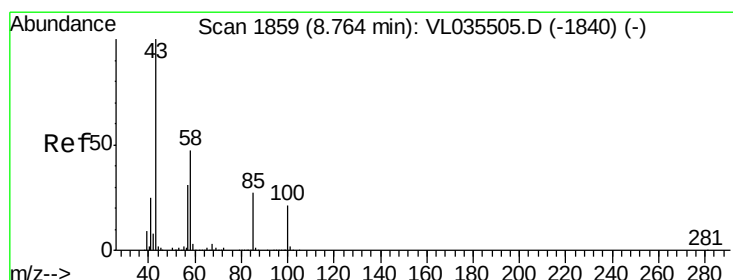
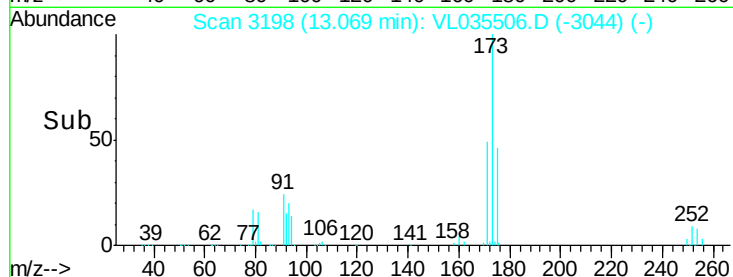
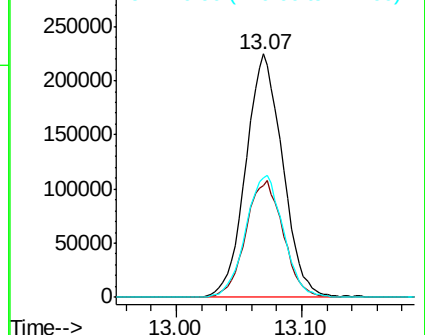
171 51.4 42.4 63.6



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: 2.150 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL035506.D

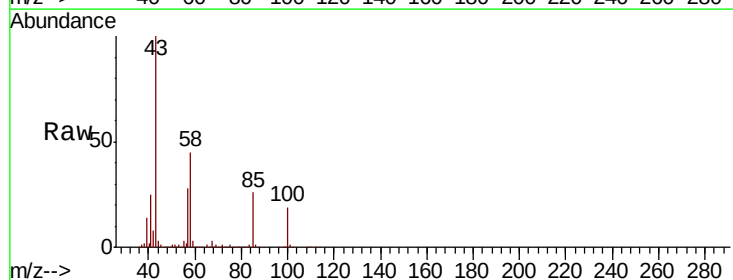
Acq: 27 Aug 2020 2:51

Tgt Ion: 43 Resp: 437467

Ion Ratio Lower Upper

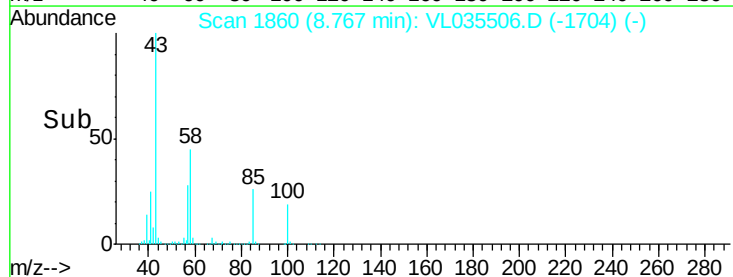
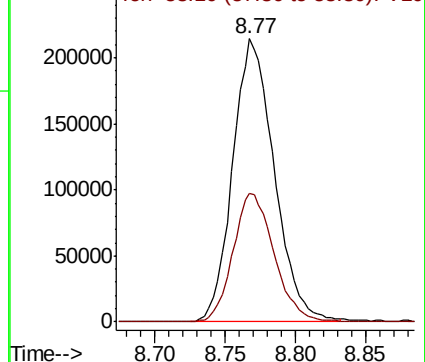
43 100

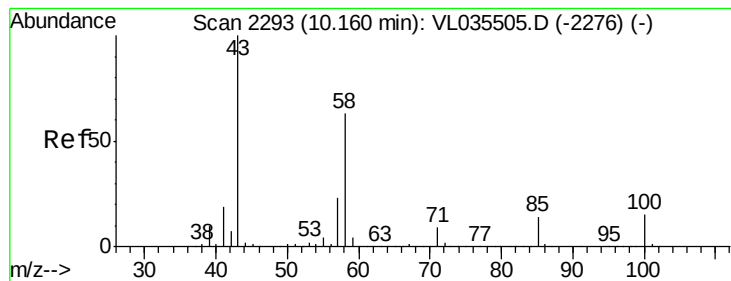
58 45.5 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 2.117 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

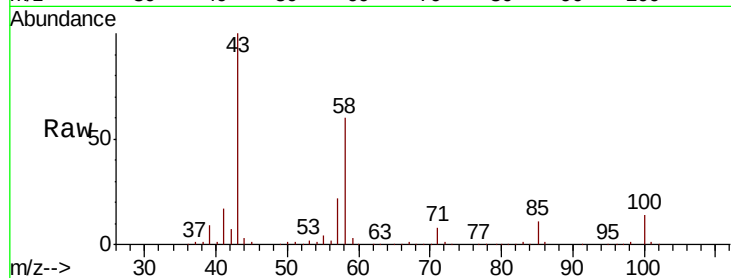
Tot Ion: 43 Resp: 353030

Ion Ratio Lower Upper

43 100

58 62.2 50.2 75.4

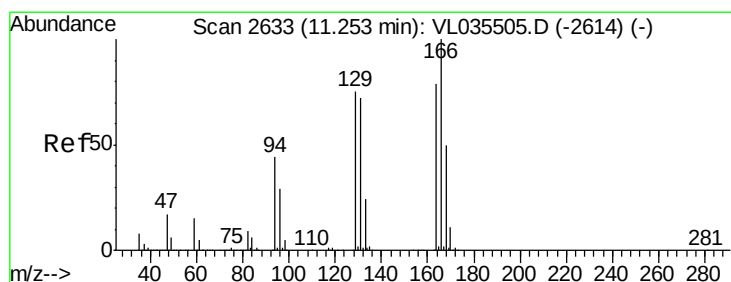
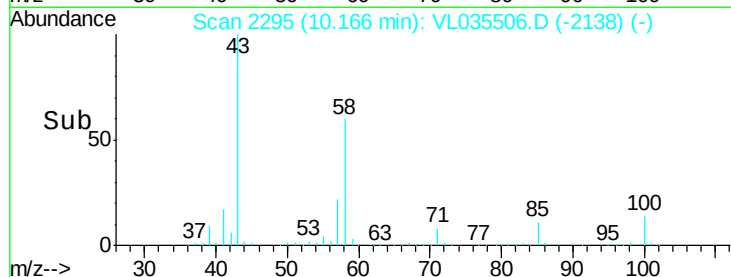
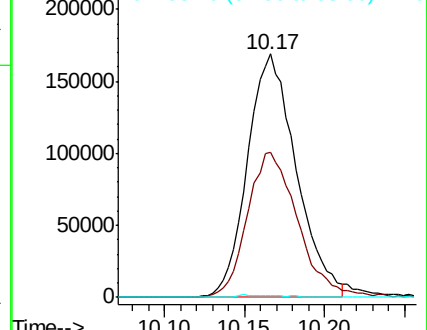
98 1.1 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 1.971 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Tgt Ion: 164 Resp: 359689

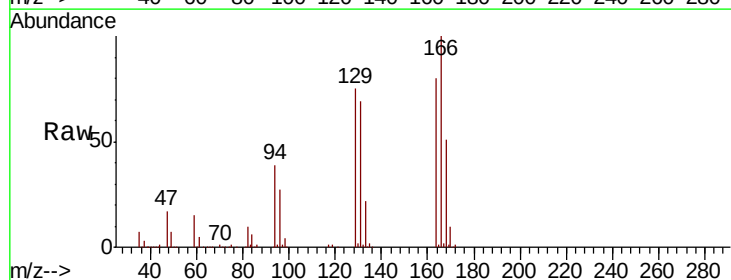
Ion Ratio Lower Upper

164 100

166 124.4 100.9 151.3

129 93.0 75.3 112.9

131 85.4 73.0 109.4

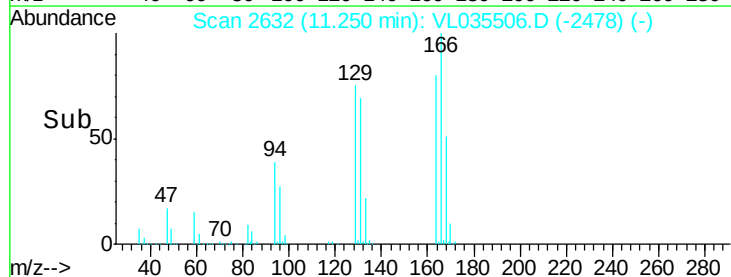
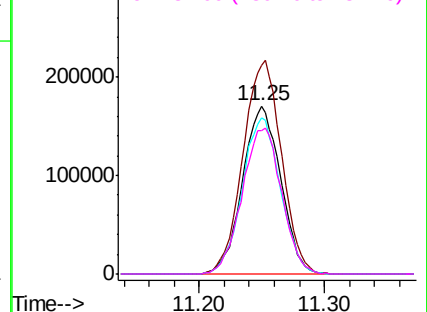


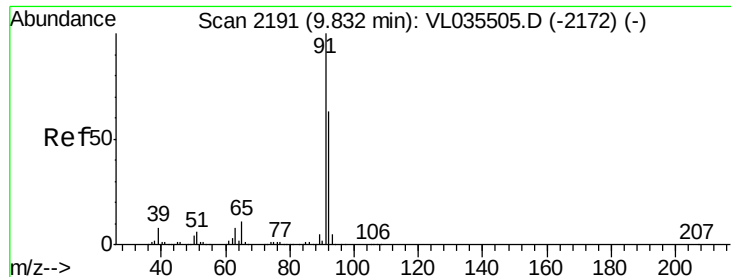
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 2.130 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

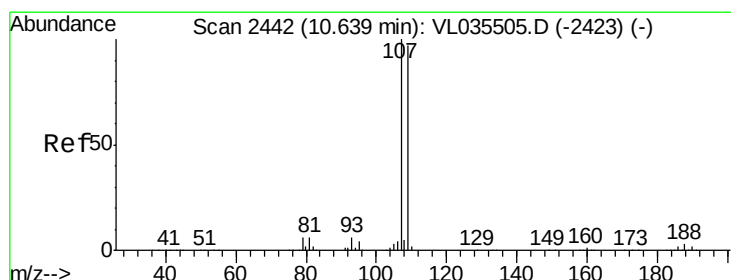
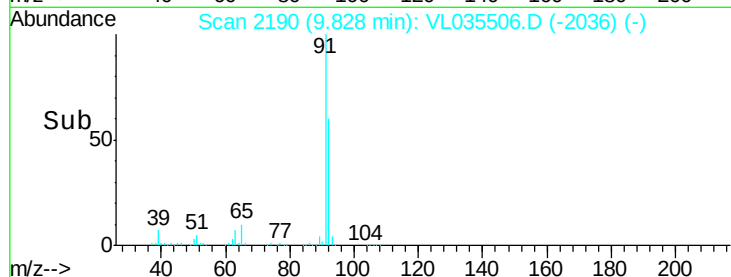
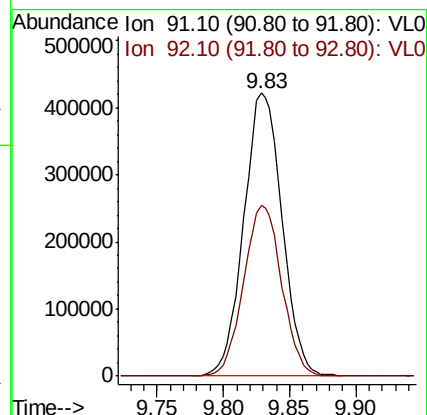
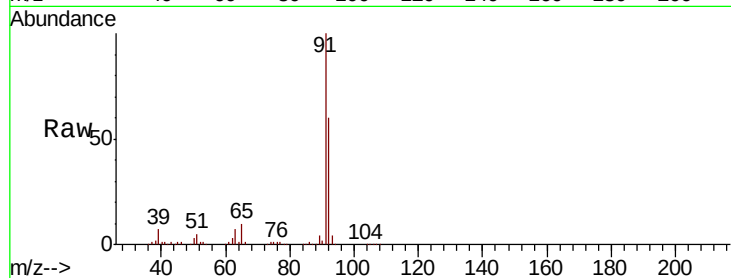
VSTDIC002

Tot Ion: 91 Resp: 847461

Ion Ratio Lower Upper

91 100

92 59.8 49.8 74.8



#54

1,2-Dibromoethane

Concen: 2.044 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL035506.D

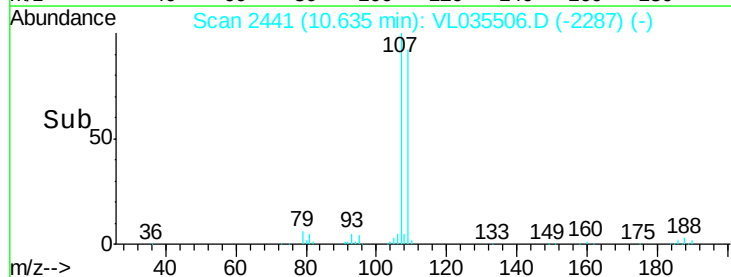
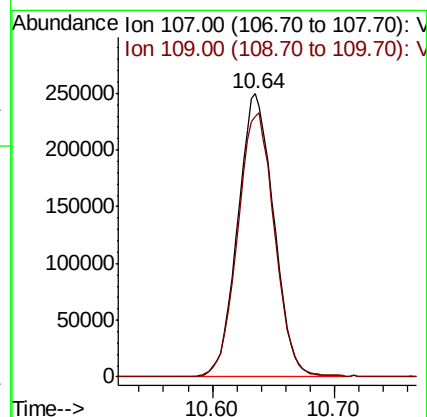
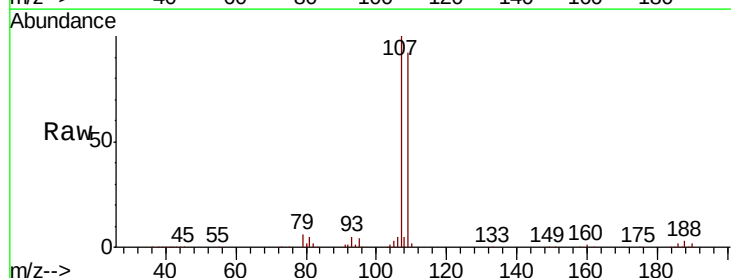
Acq: 27 Aug 2020 2:51

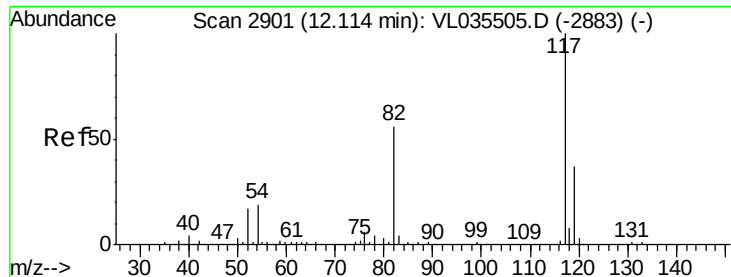
Tgt Ion: 107 Resp: 510422

Ion Ratio Lower Upper

107 100

109 91.8 77.8 116.8

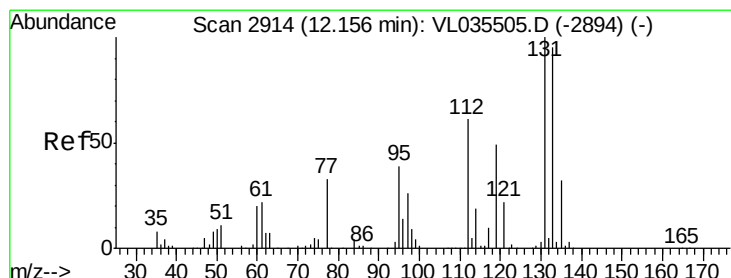
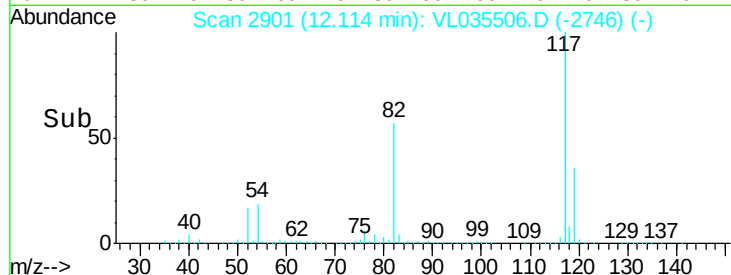
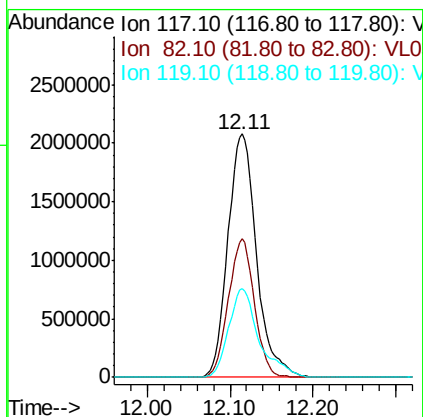
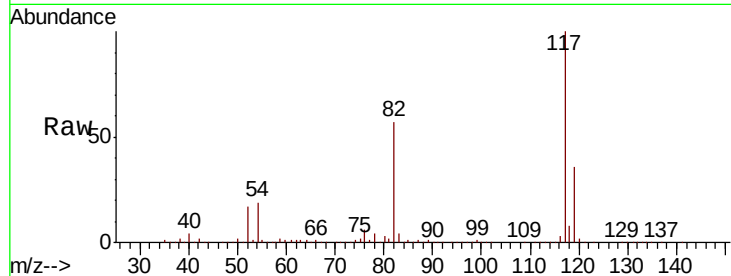




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

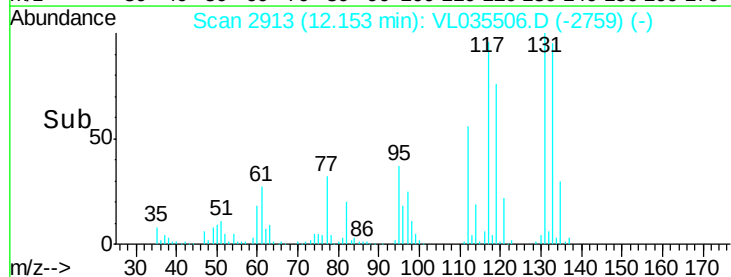
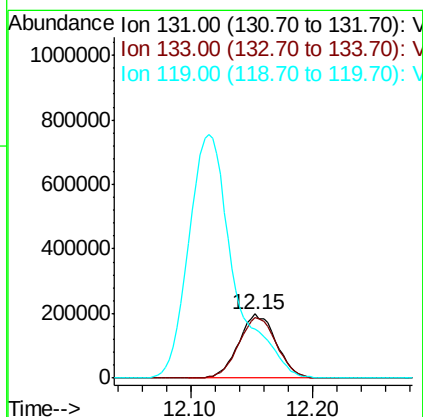
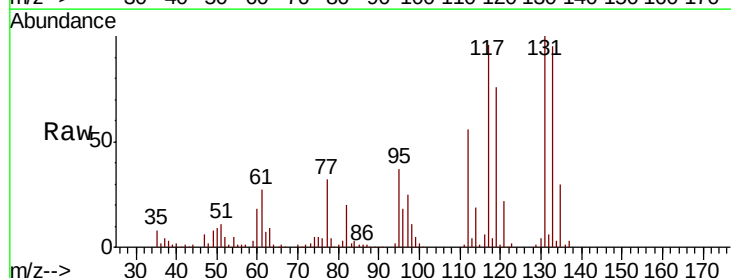
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

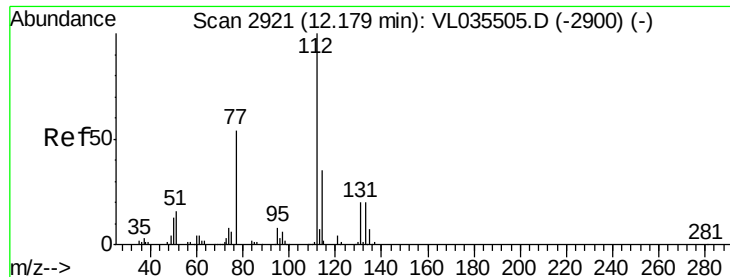
Tot Ion:117 Resp: 5005997
Ion Ratio Lower Upper
117 100
82 51.8 41.6 62.4
119 38.5 29.3 43.9



#56
1,1,1,2-Tetrachloroethane
Concen: 2.030 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion:131 Resp: 424407
Ion Ratio Lower Upper
131 100
133 95.2 76.6 115.0
119 454.4 51.6 77.4#

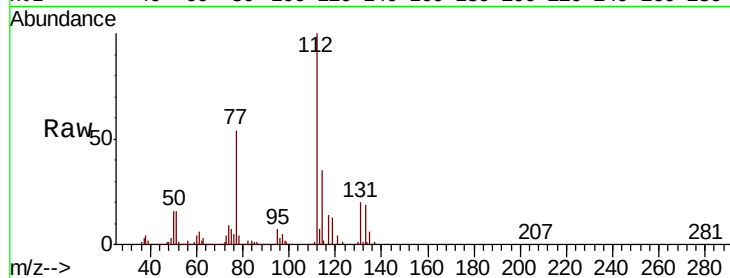




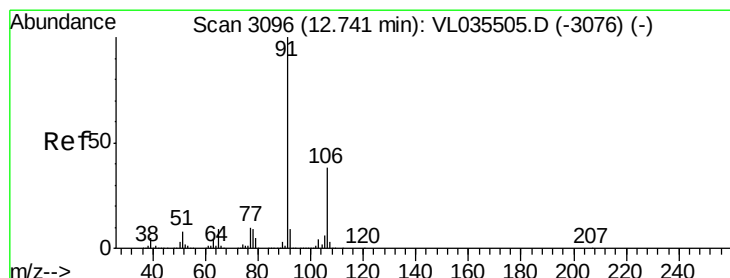
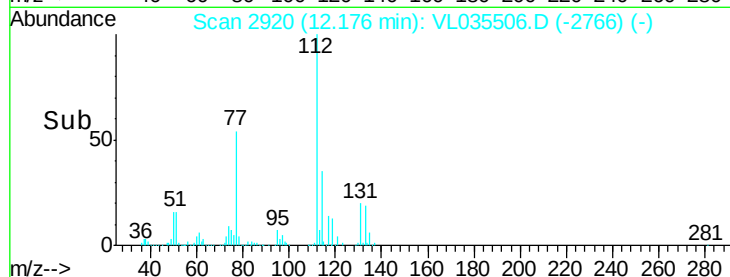
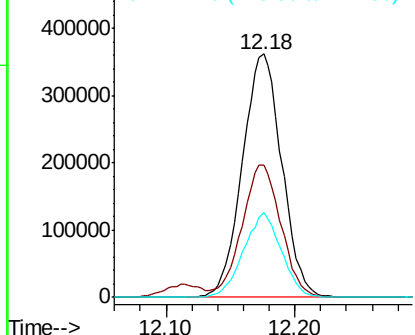
#57
Chlorobenzene
Concen: 2.065 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	54.1	44.2	66.4
114	34.8	31.6	38.6

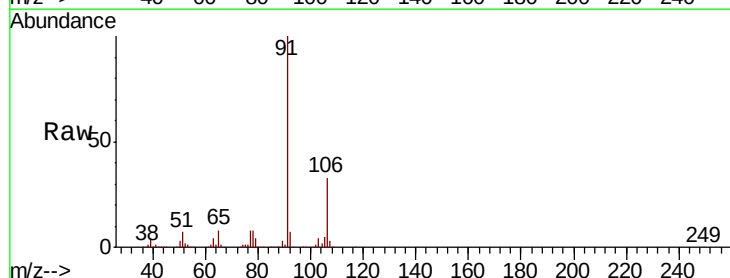


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

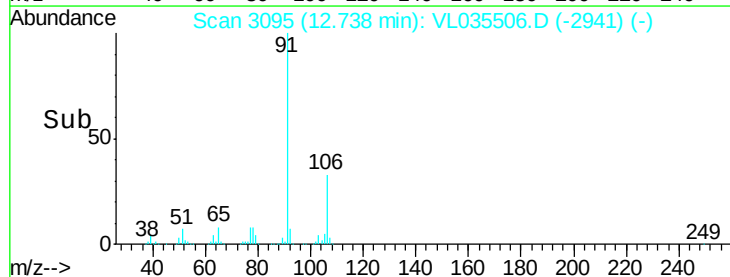
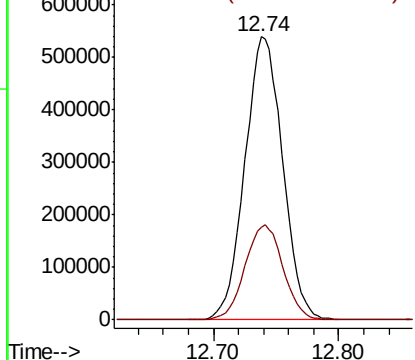


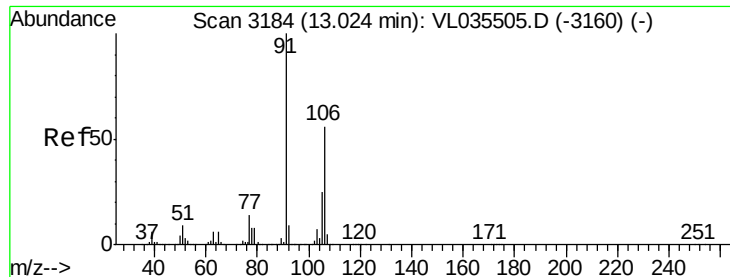
#58
Ethyl Benzene
Concen: 2.134 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	30.3	45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

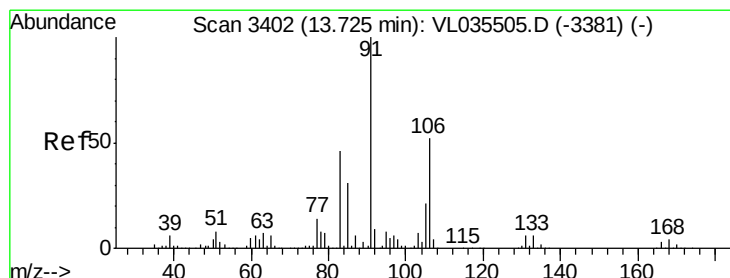
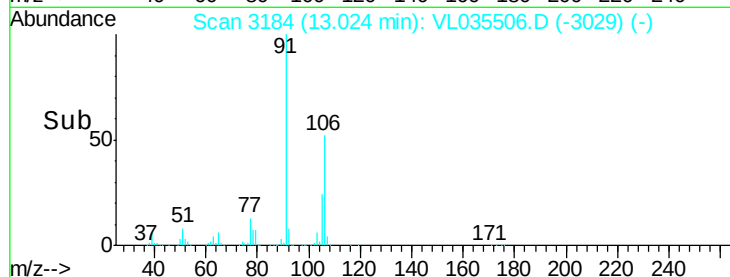
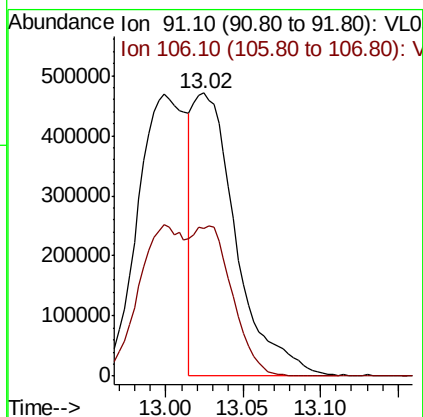
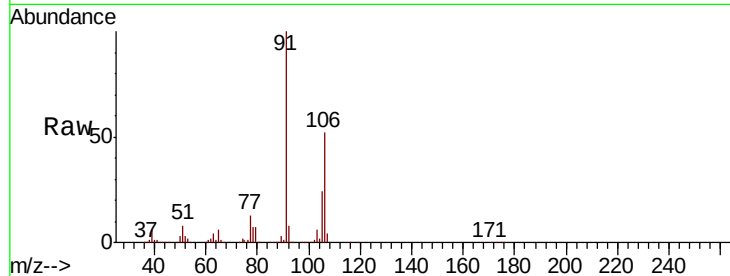




#59
m/p-Xylene
Concen: 2.012 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

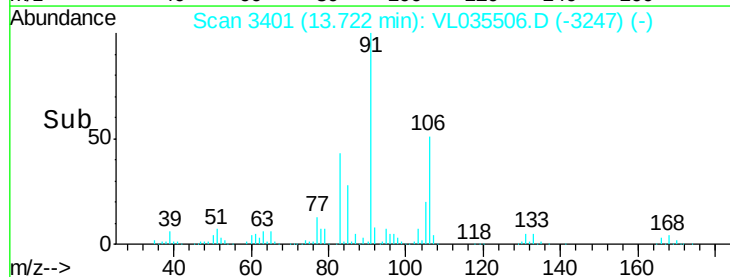
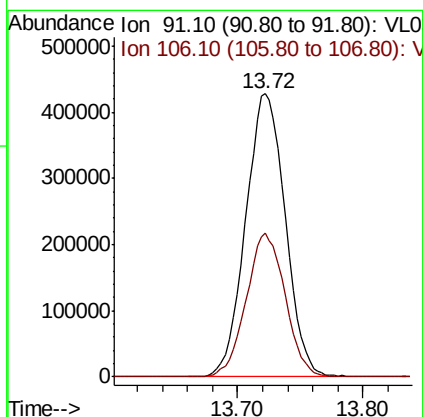
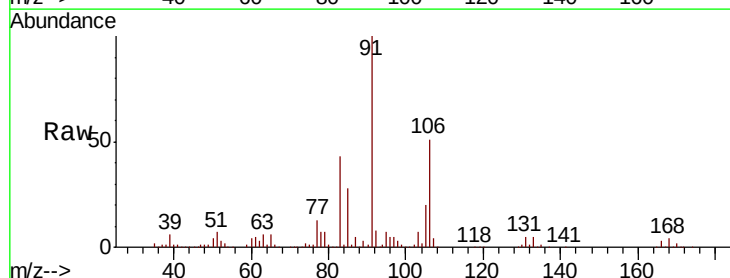
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

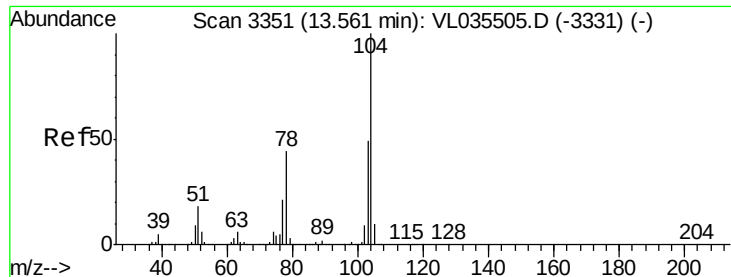
Tot Ion: 91 Resp: 906815
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#



#60
o-Xylene
Concen: 2.120 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion: 91 Resp: 941202
Ion Ratio Lower Upper
91 100
106 50.0 25.8 77.4





#61

Stvrene

Concen: 2.118 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

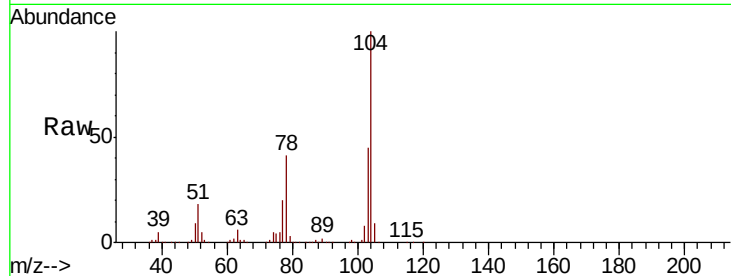
Tot Ion:104 Resp: 724434

Ion Ratio Lower Upper

104 100

78 41.5 34.8 52.2

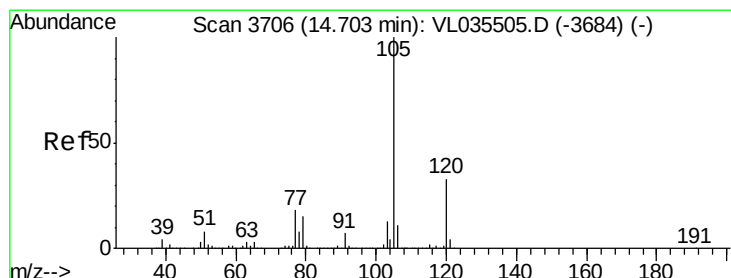
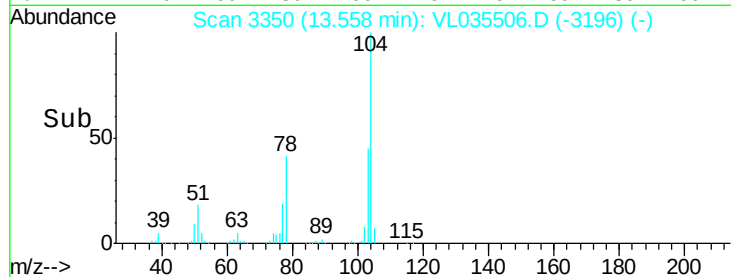
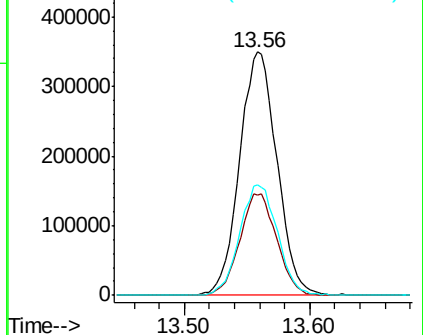
103 46.1 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.134 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. -0.00 min

Lab File: VL035506.D

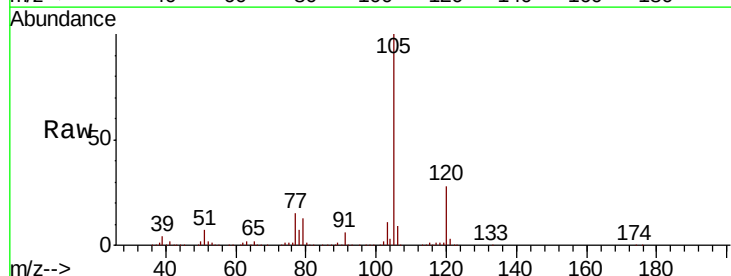
Acq: 27 Aug 2020 2:51

Tgt Ion:105 Resp: 1532092

Ion Ratio Lower Upper

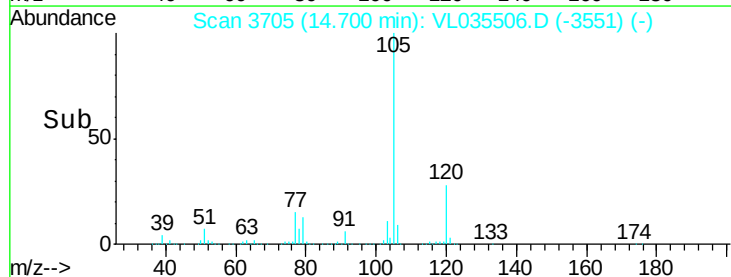
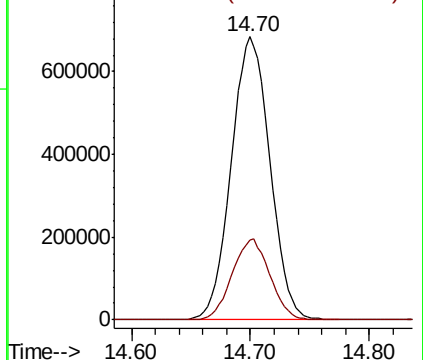
105 100

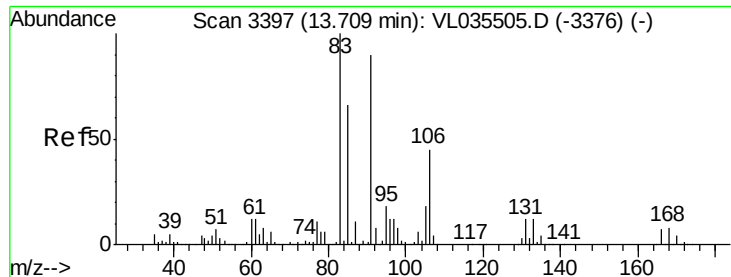
120 28.0 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

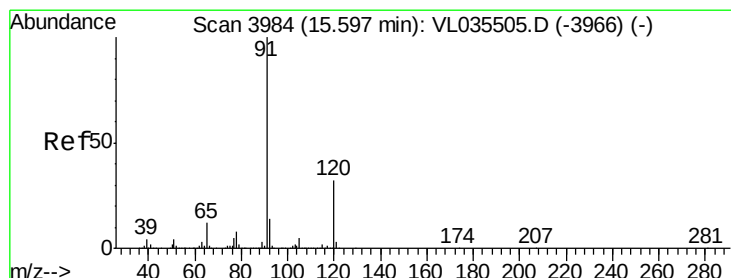
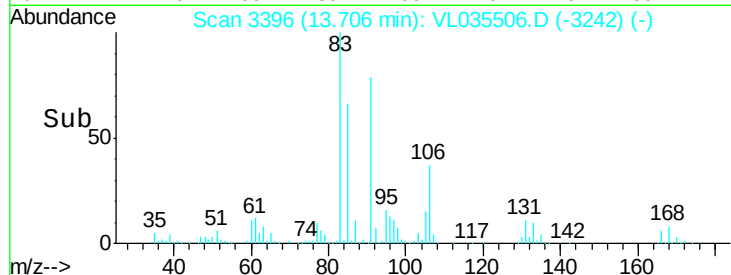
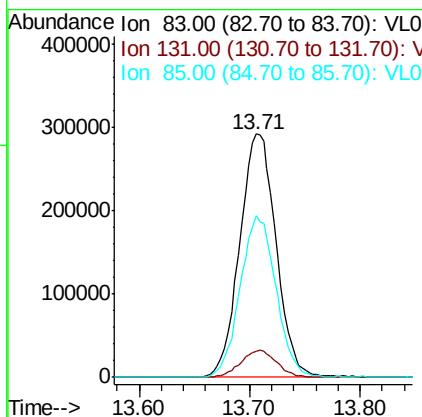
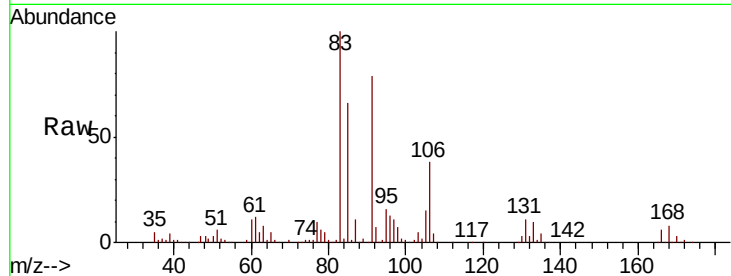




#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.051 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

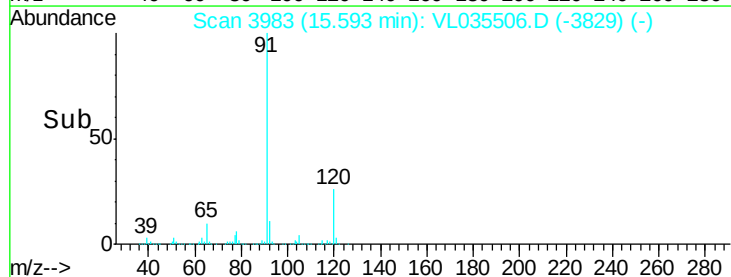
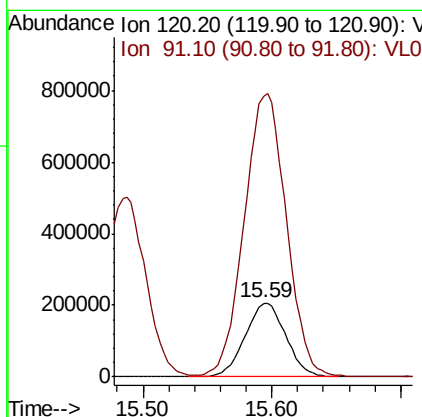
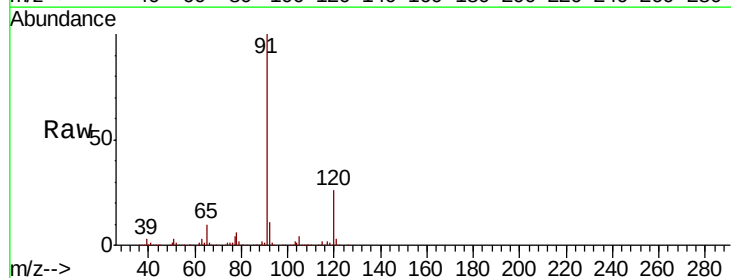
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

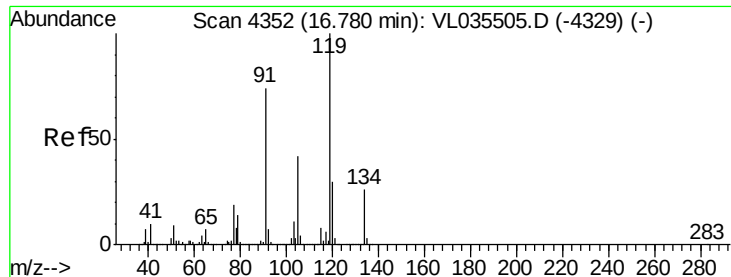
Tot Ion: 83 Resp: 665565
 Ion Ratio Lower Upper
 83 100
 131 11.2 6.0 18.0
 85 65.7 33.4 100.2



#64
 n-propylbenzene
 Concen: 2.074 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion: 120 Resp: 452945
 Ion Ratio Lower Upper
 120 100
 91 397.5 279.4 419.0





#65

tert-Butylbenzene

Concen: 2.156 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

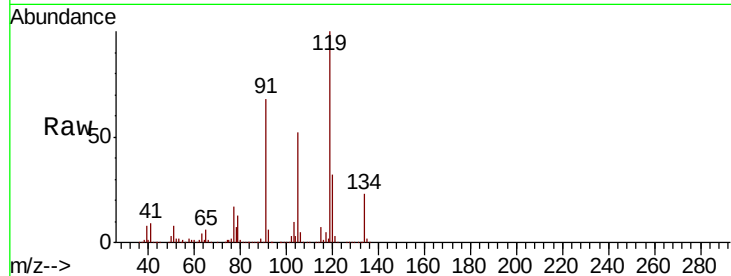
Tot Ion:119 Resp: 1469386

Ion Ratio Lower Upper

119 100

91 68.7 58.6 87.8

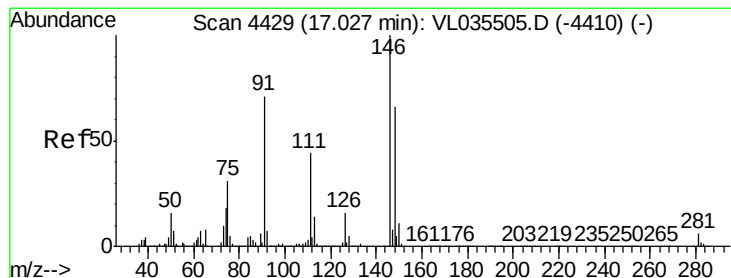
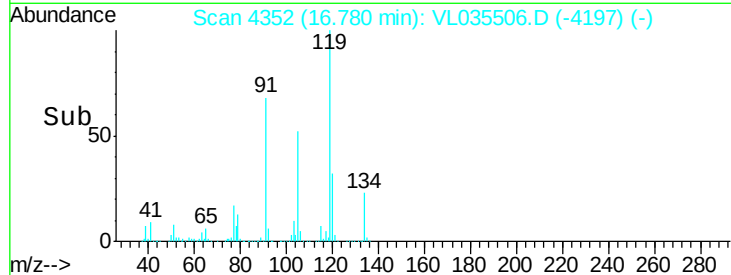
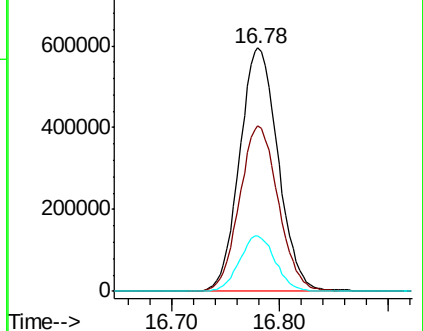
134 21.5 18.9 28.3



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: 1.798 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

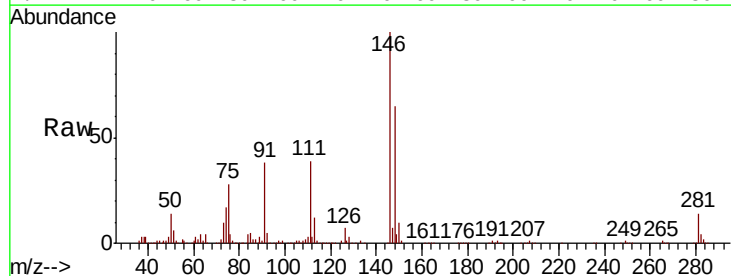
Tgt Ion: 91 Resp: 298147

Ion Ratio Lower Upper

91 100

126 19.3 17.2 25.8

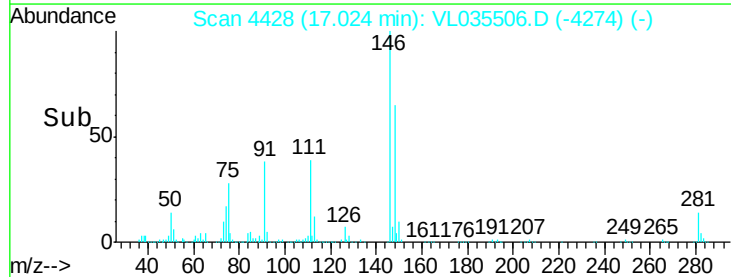
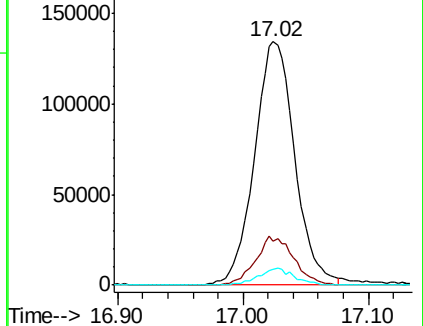
128 6.3 5.5 8.3

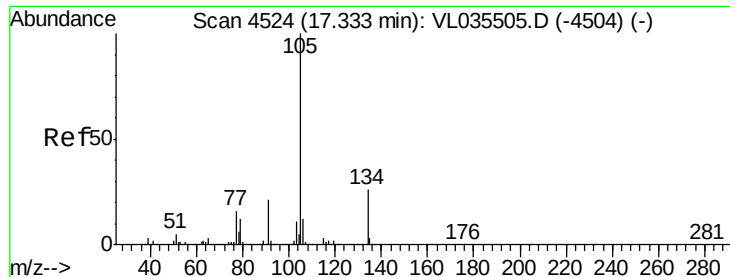


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.197 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

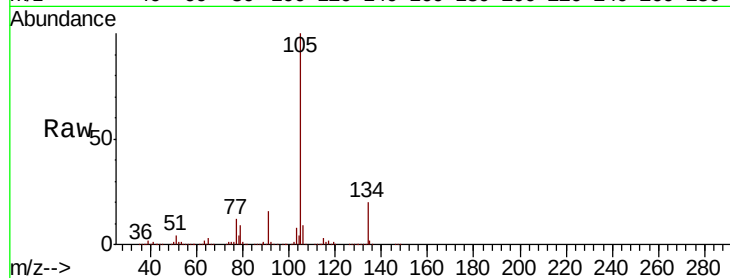
VSTDIC002

Tot Ion:105 Resp: 1990664

Ion Ratio Lower Upper

105 100

134 20.3 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

800000

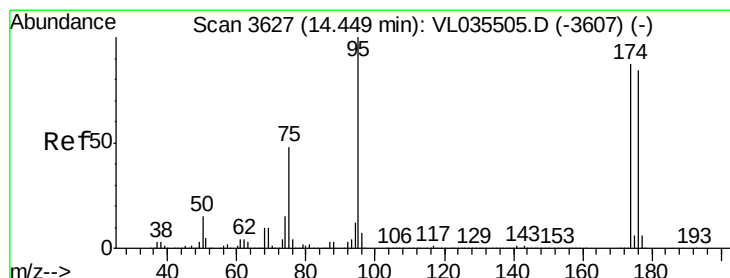
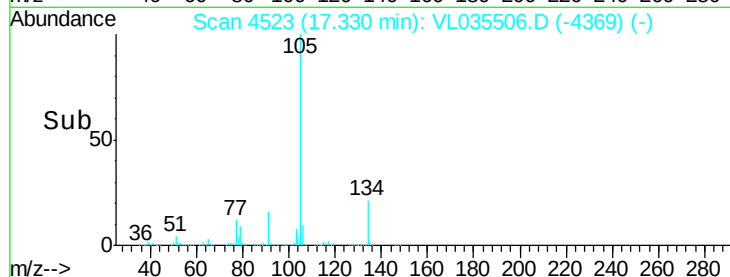
600000

400000

200000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.813 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

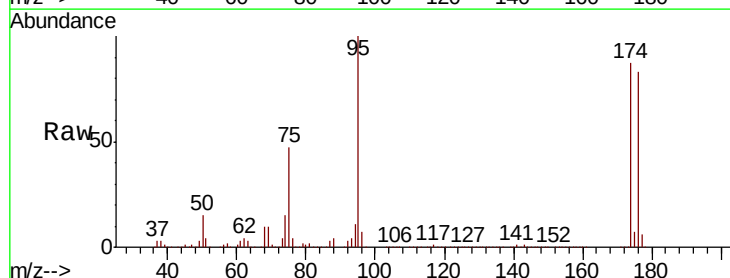
Tgt Ion: 95 Resp: 3482074

Ion Ratio Lower Upper

95 100

174 87.6 69.6 104.4

175 6.4 5.1 7.7



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

14.45

2000000

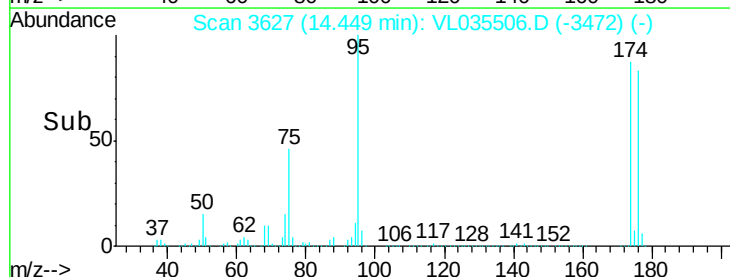
1500000

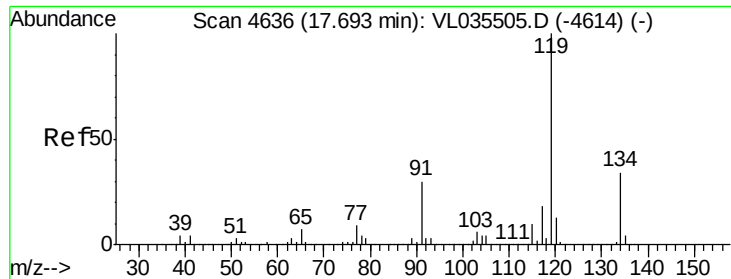
1000000

500000

0

Time-->

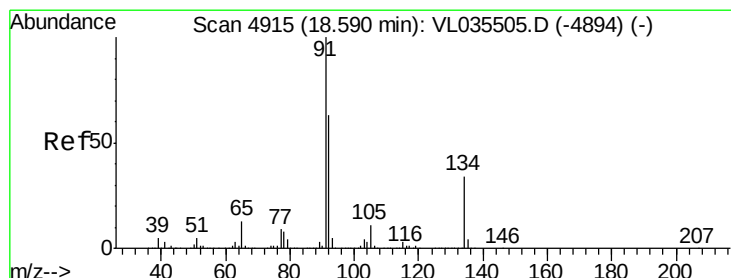
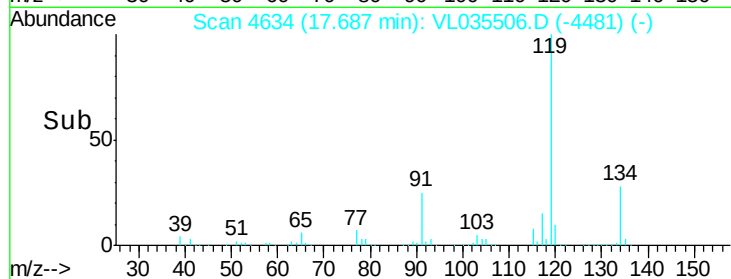
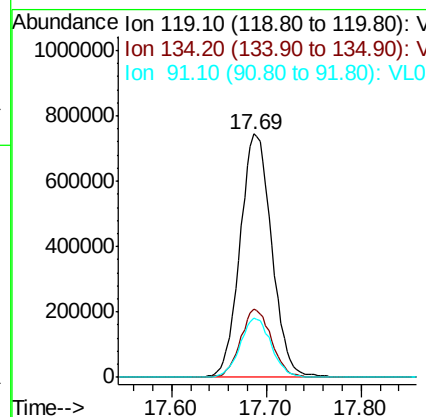
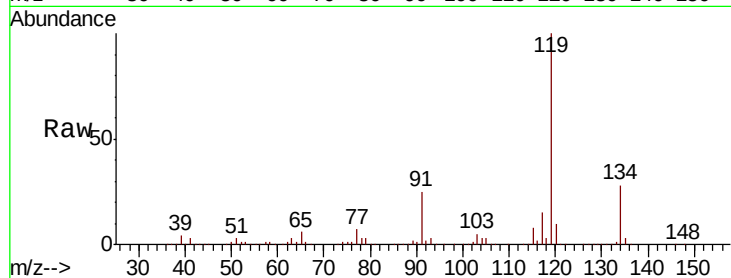




#69
 p-Isopropyltoluene
 Concen: 2.188 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.01 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

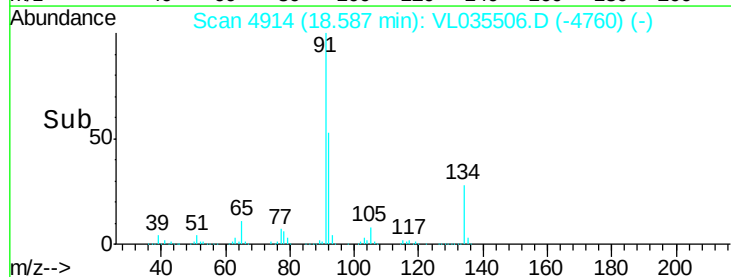
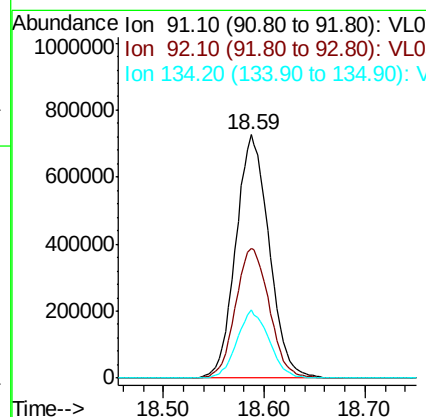
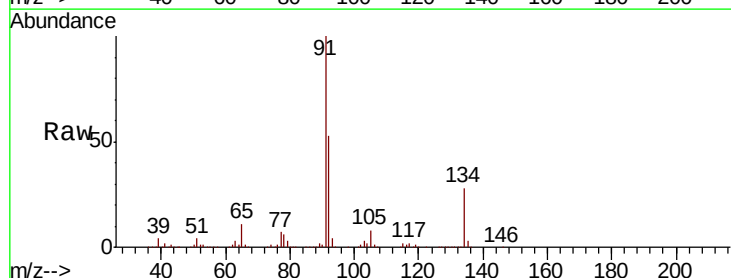
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

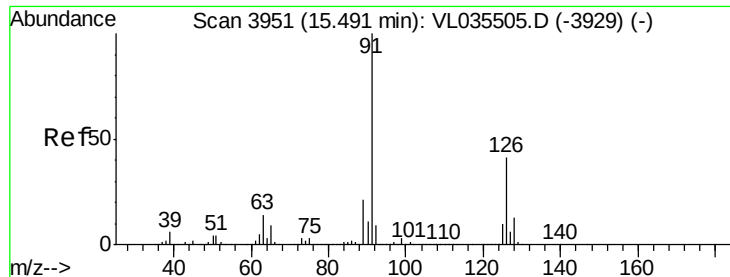
Tot Ion: 119 Resp: 1727771
 Ion Ratio Lower Upper
 119 100
 134 27.5 25.0 37.4
 91 24.2 22.3 33.5



#70
 n-Butylbenzene
 Concen: 2.190 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion: 91 Resp: 1661117
 Ion Ratio Lower Upper
 91 100
 92 54.4 47.3 70.9
 134 27.1 24.6 37.0

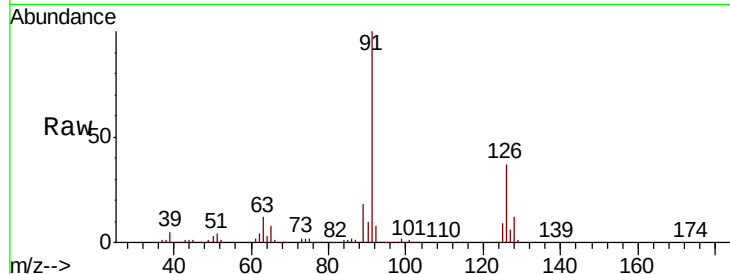




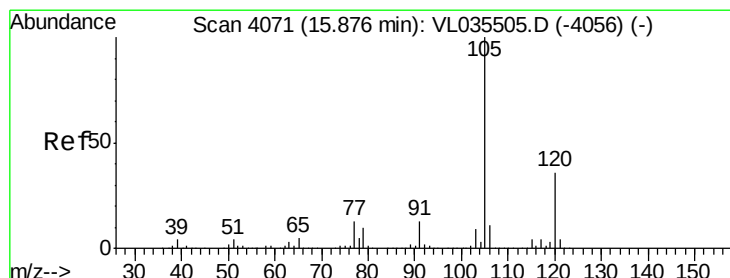
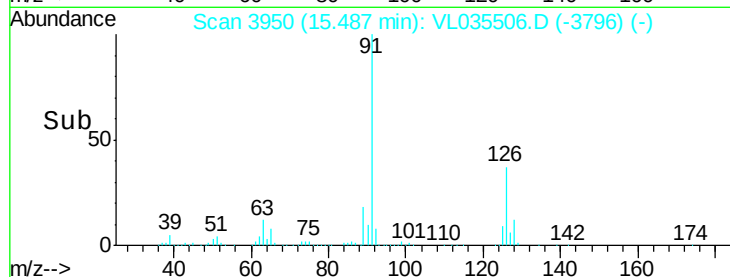
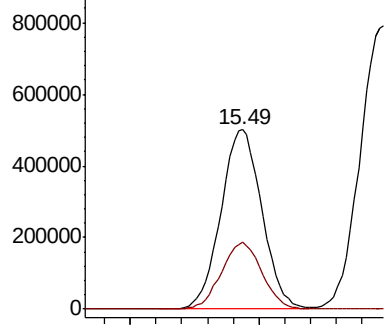
#71
2-Chlorotoluene
Concen: 2.133 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1108349
Ion Ratio Lower Upper
91 100
126 37.0 15.6 62.6

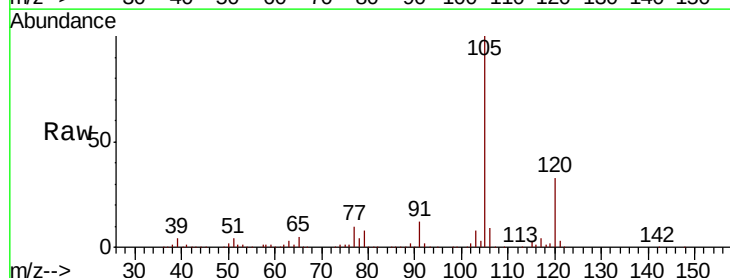


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V

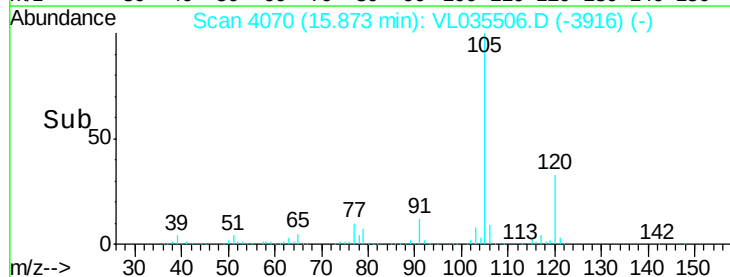
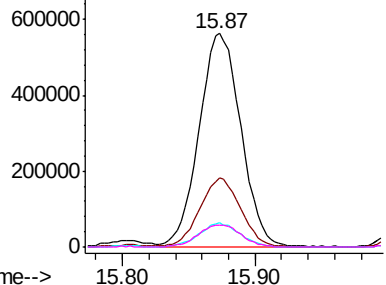


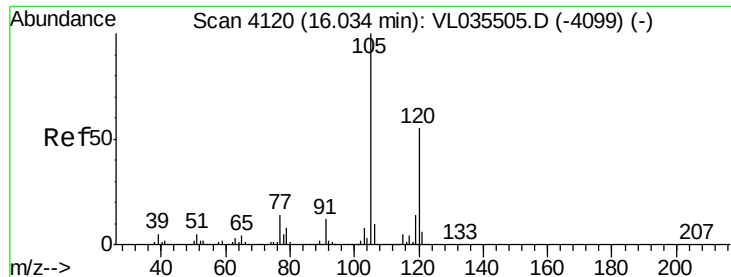
#72
4-Ethyltoluene
Concen: 2.157 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. -0.00 min
Lab File: VL035506.D
Acq: 27 Aug 2020 2:51

Tgt Ion:105 Resp: 1221713
Ion Ratio Lower Upper
105 100
120 32.0 27.4 41.2
91 11.1 9.7 14.5
77 10.7 9.6 14.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0

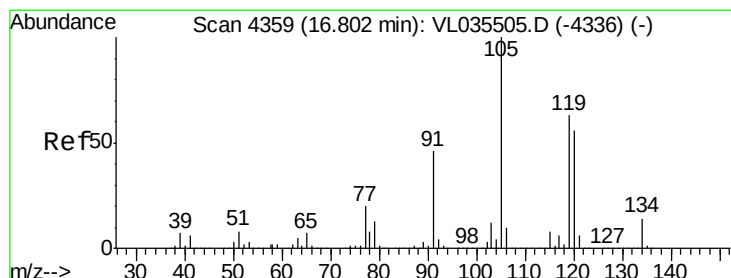
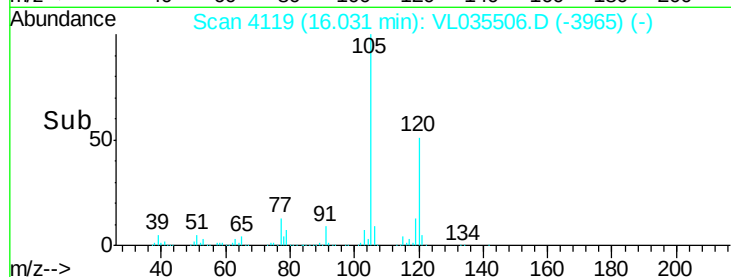
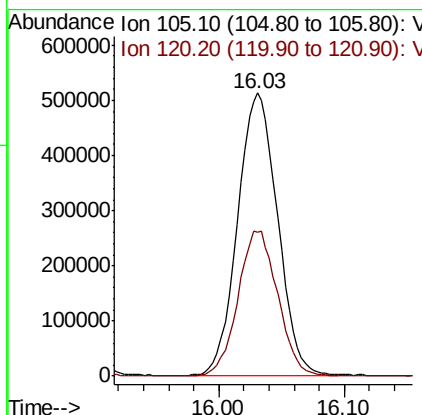
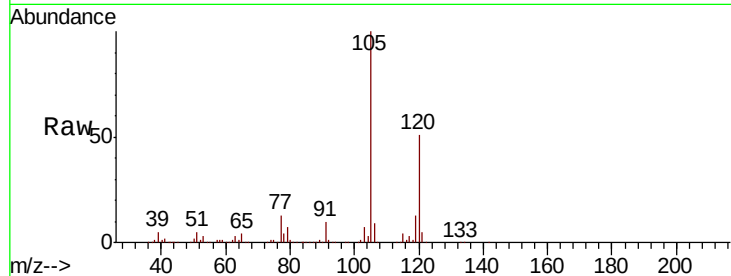




#73
 1,3,5-Trimethylbenzene
 Concen: 2.162 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

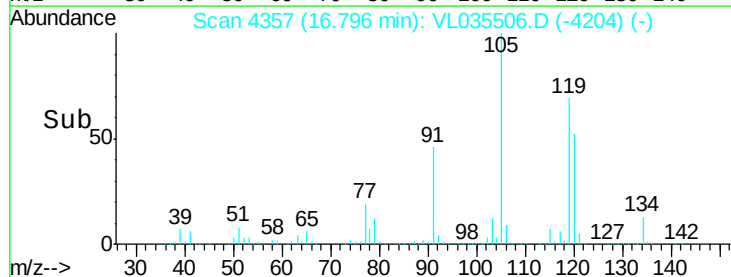
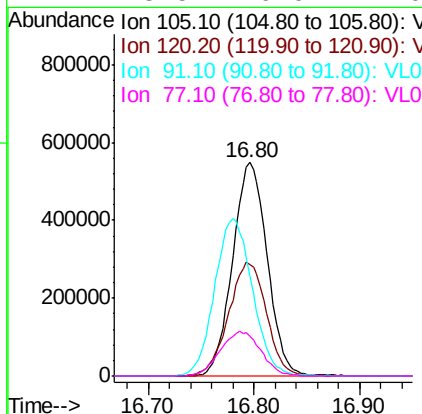
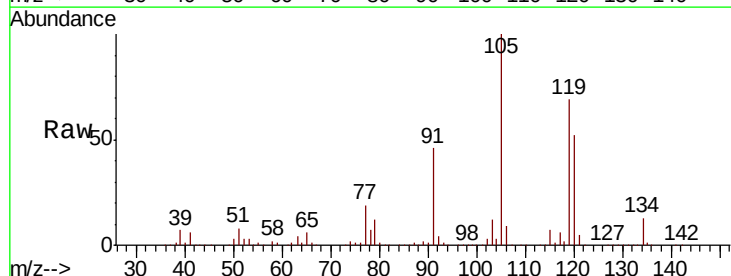
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

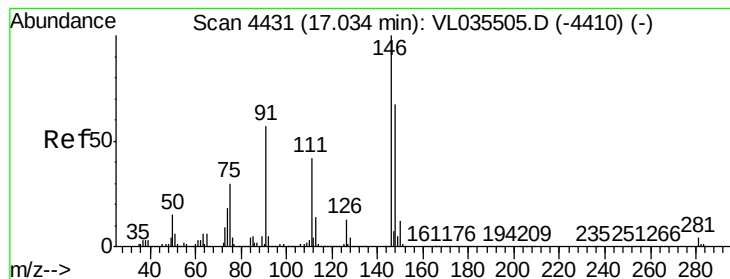
Tot Ion:105 Resp: 1132207
 Ion Ratio Lower Upper
 105 100
 120 51.0 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 2.169 ppbv
 RT: 16.80 min Scan# 4357
 Delta R.T. -0.01 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion:105 Resp: 1246339
 Ion Ratio Lower Upper
 105 100
 120 52.3 44.4 66.6
 91 46.3 37.1 55.7
 77 18.5 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 2.068 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

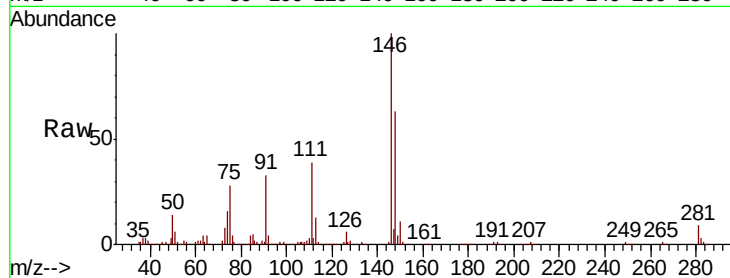
Tot Ion:146 Resp: 890231

Ion Ratio Lower Upper

146 100

111 39.3 20.7 62.1

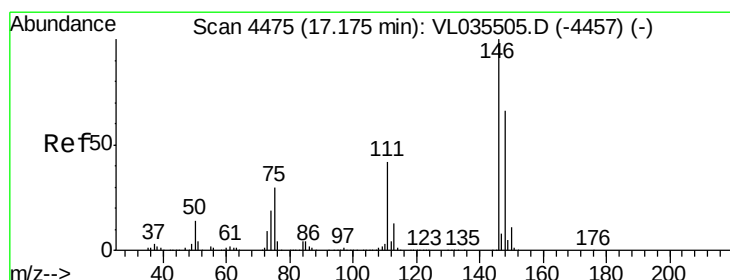
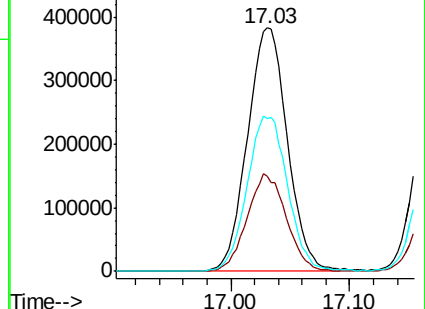
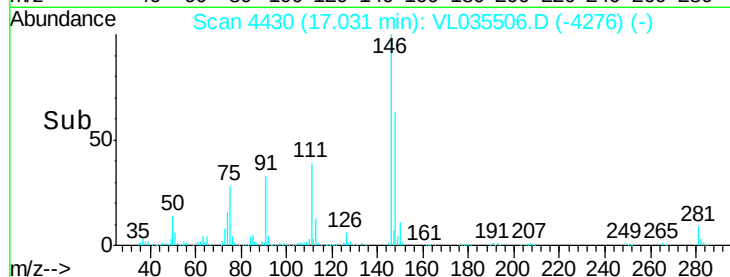
148 64.8 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 2.032 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

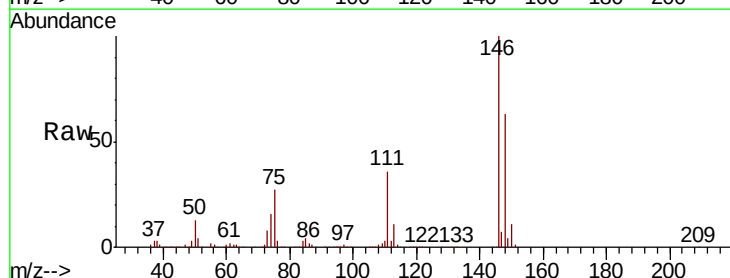
Tgt Ion:146 Resp: 873812

Ion Ratio Lower Upper

146 100

111 38.7 20.0 60.0

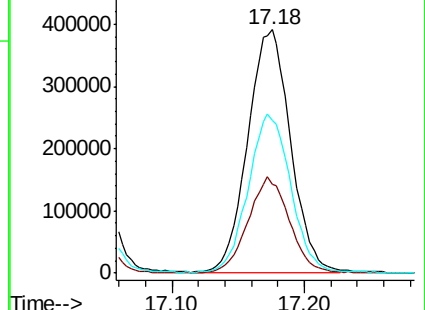
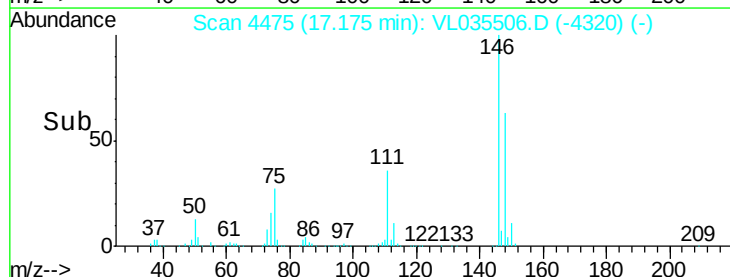
148 66.0 33.2 99.6

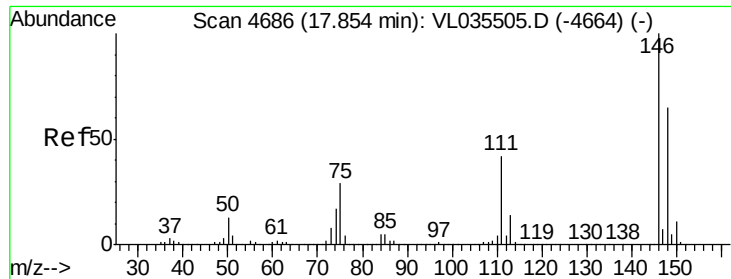


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

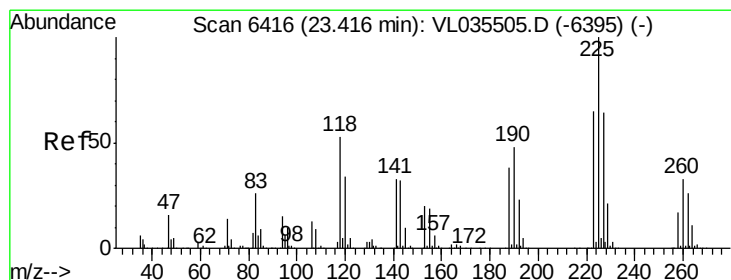
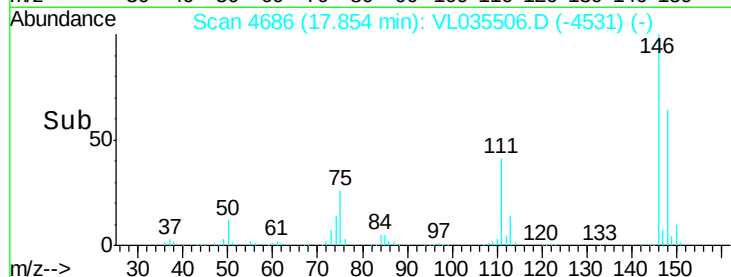
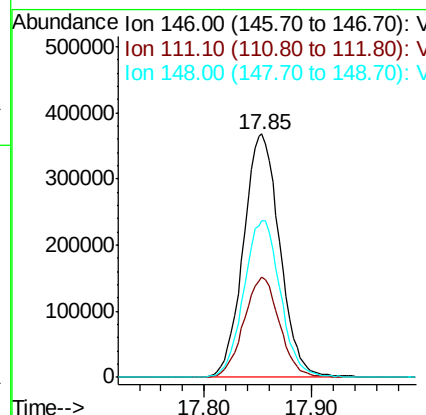
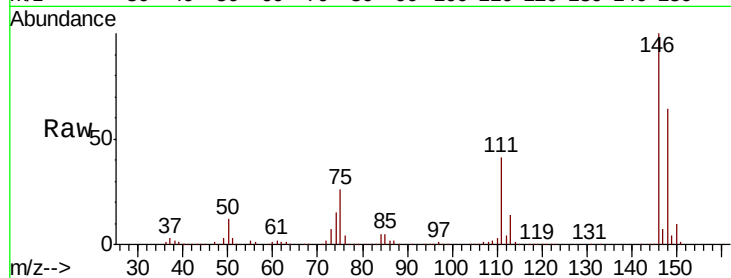




#77
 1,2-Dichlorobenzene
 Concen: 2.033 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

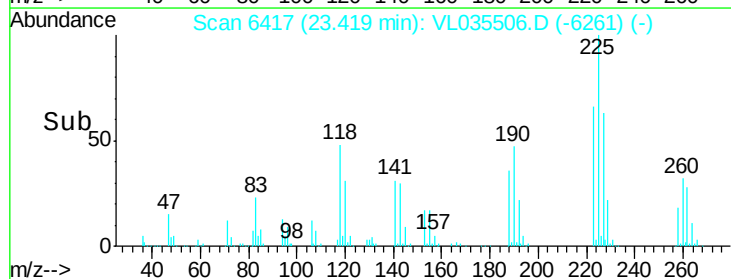
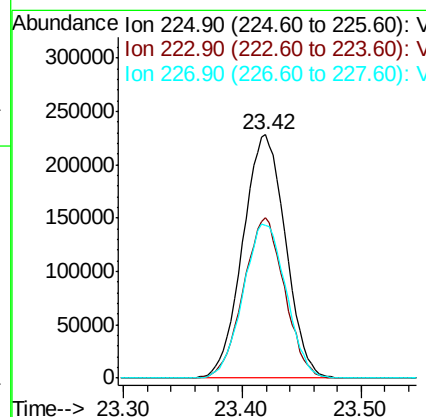
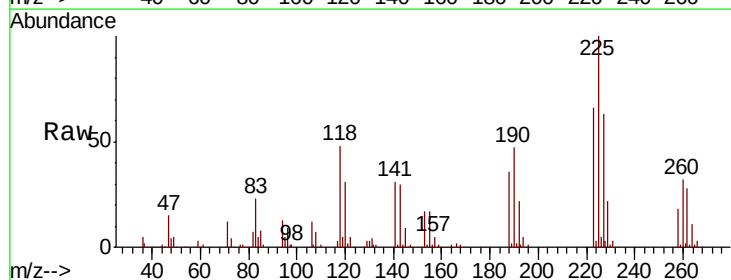
Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC002

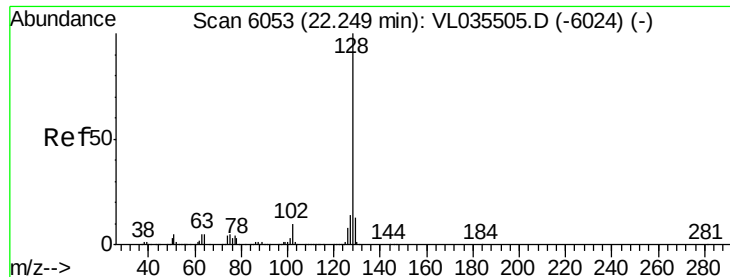
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.3
148	64.9	32.9	98.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.944 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.7	77.5
227	63.8	51.5	77.3





#79

Naphthalene

Concen: 1.954 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. -0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

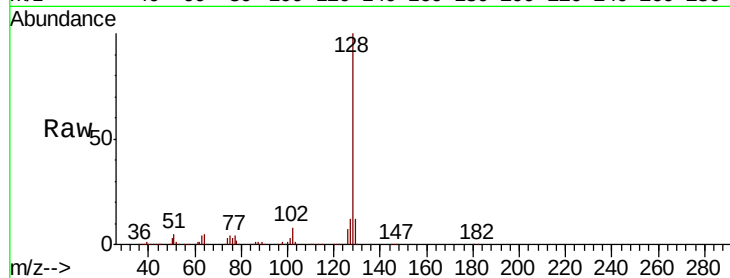
Tot Ion:128 Resp: 1397775

Ion Ratio Lower Upper

128 100

127 12.4 11.4 17.2

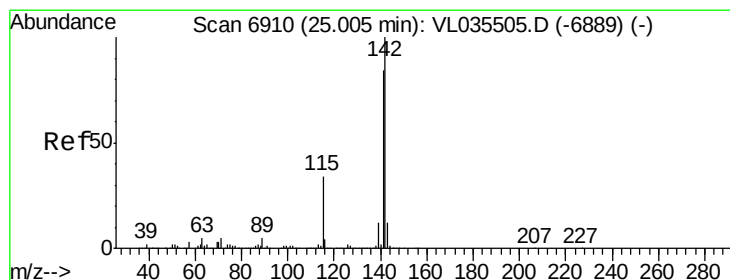
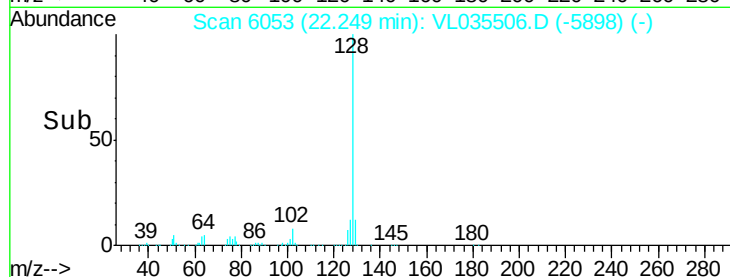
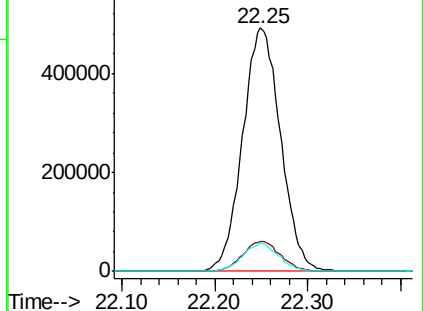
129 11.8 10.5 15.7



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: 1.653 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.00 min

Lab File: VL035506.D

Acq: 27 Aug 2020 2:51

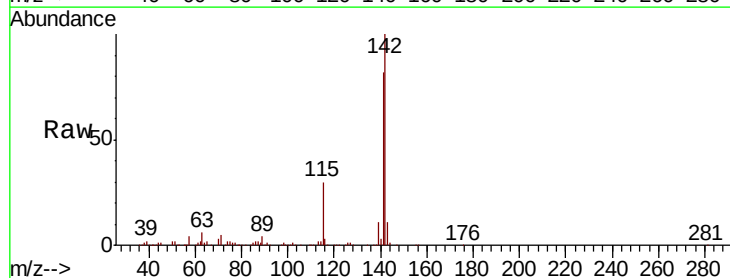
Tgt Ion:142 Resp: 464597

Ion Ratio Lower Upper

142 100

141 84.6 67.6 101.4

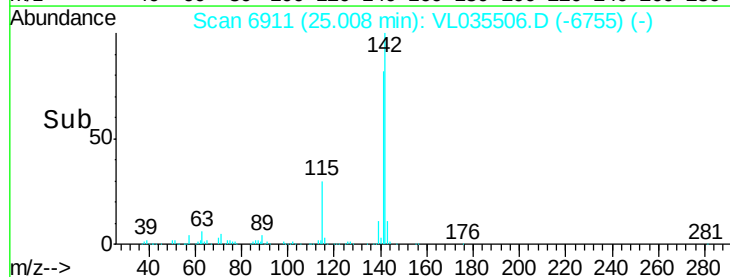
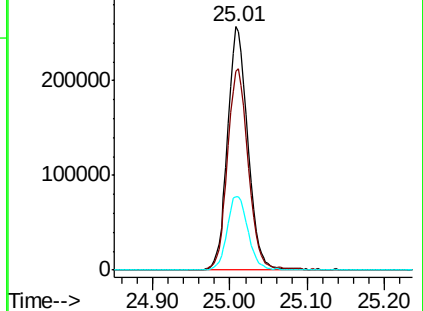
115 31.5 25.8 38.8

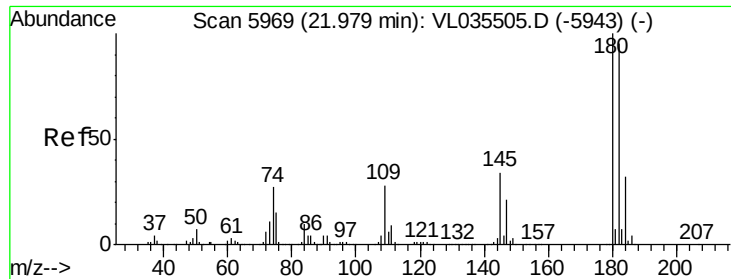


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

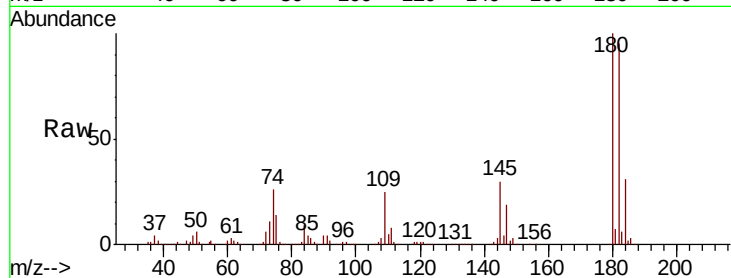




#81
 1,2,4-Trichlorobenzene
 Concen: 1.921 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035506.D
 Acq: 27 Aug 2020 2:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.3	114.5
184	31.2	25.3	37.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

