

Data File : VL035096.D
Acq On : 19 Jun 2020 15:52
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jun 20 01:17:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1378942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3250876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3832903	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2621126	8.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.00	85	1602850	8.081	ppbv	100
3) Chlorodifluoromethane	2.94	51	1364278	8.644	ppbv	100
4) Chloromethane	3.09	50	783970	8.676	ppbv	100
5) Vinyl Chloride	3.21	62	766717	8.714	ppbv	100
6) Bromomethane	3.43	94	467343	8.871	ppbv	100
7) Chloroethane	3.52	64	282754	8.956	ppbv	100
8) Dichlorotetrafluoroethane	3.14	85	1762094	8.664	ppbv	100
9) Propene	2.96	41	574847	8.498	ppbv	100
10) Heptane	8.12	43	1565259	9.229	ppbv	100
11) Trichlorofluoromethane	3.91	101	1768550	8.766	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1241353	8.657	ppbv	100
13) Ethanol	3.56	45	150625	6.887	ppbv	99
14) Bromoethene	3.70	108	558777	9.414	ppbv	99
15) Acetone	3.81	43	1365694	7.505	ppbv	100
16) 1,3-Butadiene	3.28	39	699025	8.913	ppbv	100
17) tert-Butyl alcohol	4.26	59	1412605	8.750	ppbv	100
18) 1,1-Dichloroethene	4.26	96	581694	9.342	ppbv	100
19) Isopropyl Alcohol	3.93	45	980521	8.178	ppbv	100
20) Methylene Chloride	4.31	84	505560	8.398	ppbv	100
21) Allyl Chloride	4.38	41	971327	9.475	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	554753	9.092	ppbv	100
23) Vinyl Acetate	5.05	43	2016821	8.834	ppbv	100
24) 1,1-Dichloroethane	4.99	63	1559853	8.767	ppbv	100
25) Ethyl Acetate	5.66	43	2716380	8.891	ppbv	100
26) Hexane	5.67	57	1202583	9.072	ppbv	100
27) Carbon Disulfide	4.52	76	1468659	9.500	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1848298	9.181	ppbv	100
29) Chloroform	5.74	83	1898748	8.727	ppbv	100
30) Cyclohexane	7.13	84	1031989	10.036	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1243289	9.577	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	1839356	9.352	ppbv	100
34) 2-Butanone	5.22	43	1747254	8.707	ppbv	100
35) Carbon Tetrachloride	7.01	117	1874759	9.150	ppbv	100
36) Benzene	6.89	78	2433955	9.097	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1477423	8.928	ppbv	100
38) Trichloroethene	7.84	130	951029	9.132	ppbv	100
39) 1,2-Dichloropropane	7.61	63	953557	8.896	ppbv	100
40) 1,4-Dioxane	7.83	88	342339	8.015	ppbv #	99
41) Tetrahydrofuran	6.03	42	978192	9.290	ppbv	100
42) Bromodichloromethane	7.80	83	2031371	9.109	ppbv	100
43) Methyl Methacrylate	8.01	69	1113696	9.864	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4180674	8.796	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1232055	10.870	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1453228	10.423	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1020111	8.984	ppbv	100
48) Dibromochloromethane	10.32	129	1683902	9.666	ppbv	100
49) Bromoform	13.07	173	1467092	9.821	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2612411	9.132	ppbv	100
51) 2-Hexanone	10.14	43	2136669	9.572	ppbv #	100
52) Tetrachloroethene	11.24	164	860749	9.016	ppbv	100
53) Toluene	9.82	91	2813840	9.912	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1536197	9.231	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1261966	7.380	ppbv #	58
57) Chlorobenzene	12.17	112	2146583	7.132	ppbv	100
58) Ethyl Benzene	12.73	91	3735346	8.006	ppbv	100
59) m/p-Xylene	13.02	91	2930820	7.123	ppbv #	22
60) o-Xylene	13.72	91	3085379	7.594	ppbv	100
61) Styrene	13.55	104	2198447	8.576	ppbv	100
62) Isopropylbenzene	14.70	105	4503067	7.437	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2169770	6.755	ppbv	100
64) n-propylbenzene	15.59	120	1199207	7.706	ppbv	100
65) tert-Butylbenzene	16.78	119	3885407	7.379	ppbv	100
66) Benzyl Chloride	17.02	91	1461563	8.372	ppbv	100
67) sec-Butylbenzene	17.33	105	5519219	7.355	ppbv	100
69) p-Isopropyltoluene	17.69	119	4544915	7.490	ppbv	100
70) n-Butylbenzene	18.59	91	4705521	7.297	ppbv	100
71) 2-Chlorotoluene	15.48	91	3511681	7.676	ppbv	100
72) 4-Ethyltoluene	15.87	105	3575736	7.882	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3309621	7.522	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3386577	7.050	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	1961180	6.925	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1959174	7.291	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1832124	6.907	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1505097	6.625	ppbv	100
79) Naphthalene	22.25	128	3304365	8.916	ppbv	100
80) Naphthalene,2-methyl-	25.01	142	1555184	16.660	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1756351	7.775	ppbv	100

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

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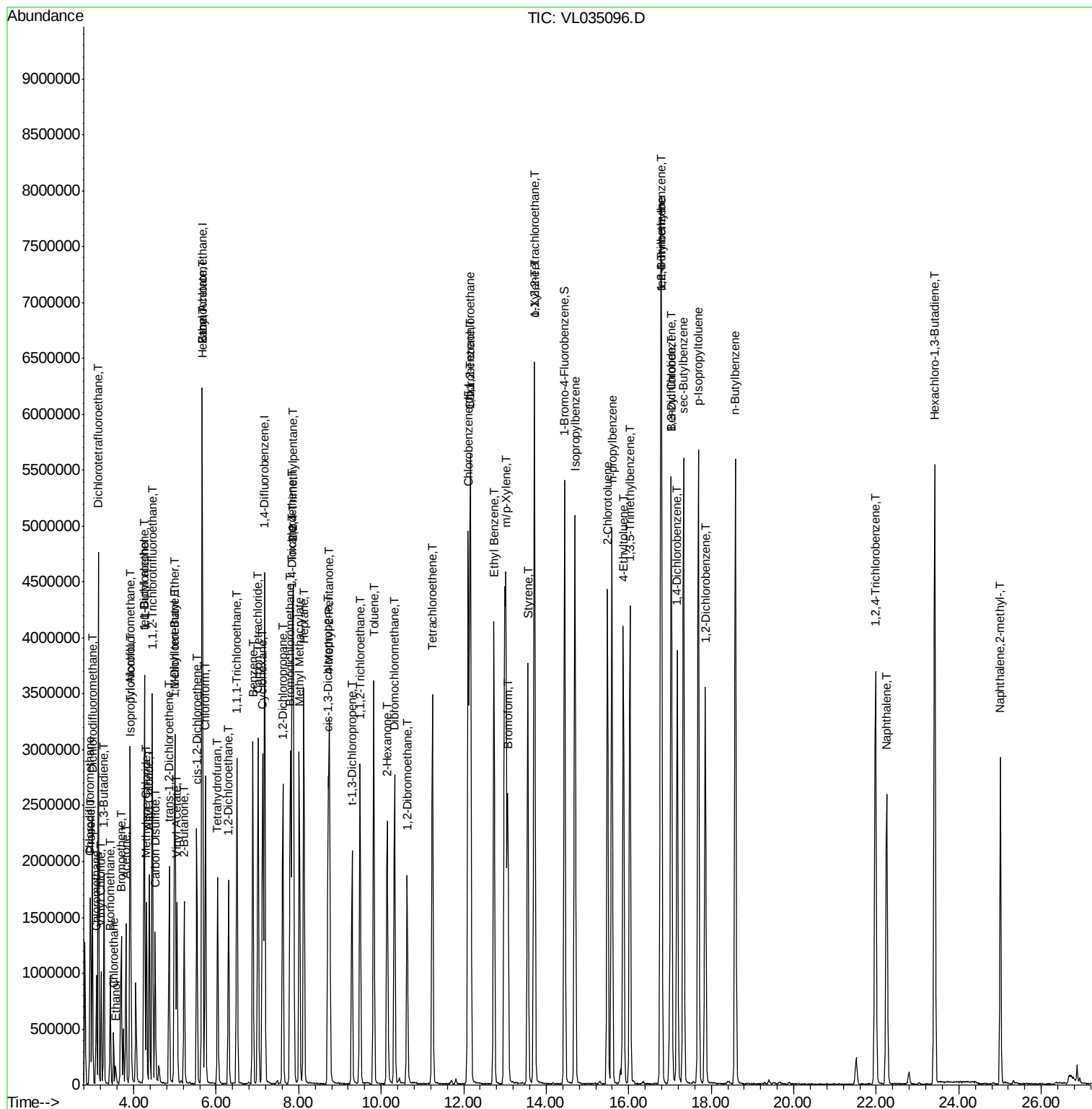
Quant Time: Jun 20 01:17:46 2020

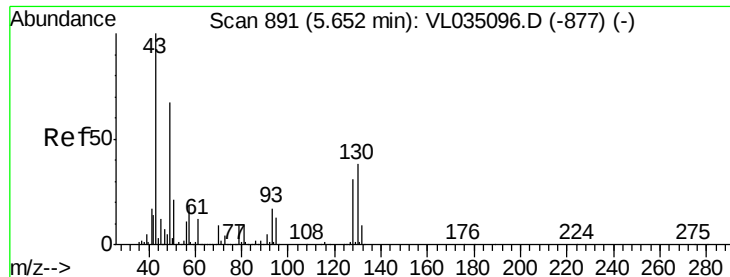
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL061920AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LSat Jun 20 01:15:38 2020

QLast Update : Sat Jun 20 01:15:38 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL035096.D

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Instrument :

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ClientSampleId :

VSTDICCC010

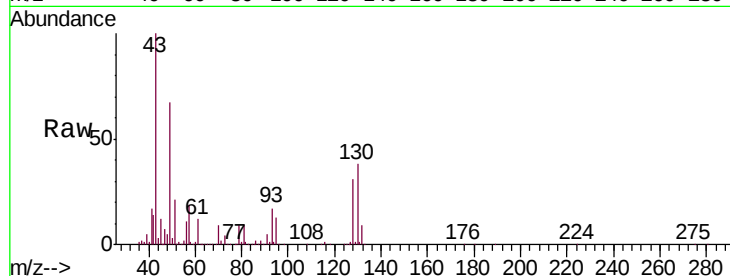
Tgt Ion: 49 Resp: 1378942

Ion Ratio Lower Upper

49 100

128 45.6 22.9 68.5

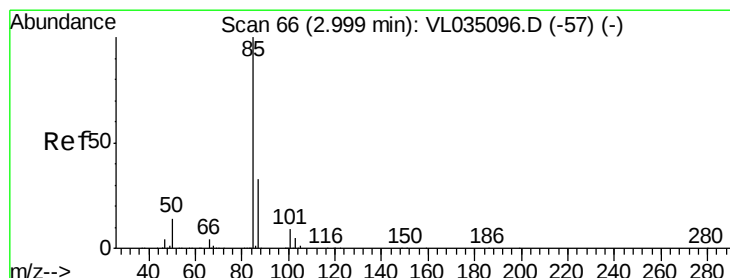
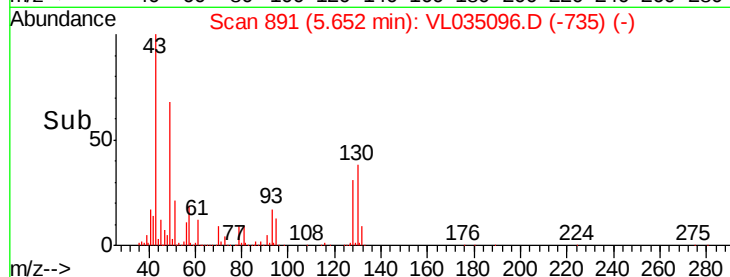
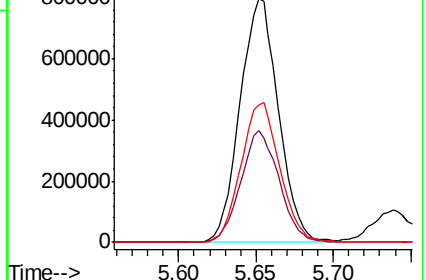
130 58.2 29.0 87.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.081 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035096.D

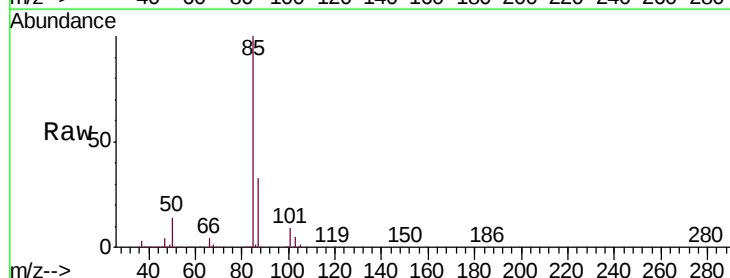
Acq: 19 Jun 2020 15:52

Tgt Ion: 85 Resp: 1602850

Ion Ratio Lower Upper

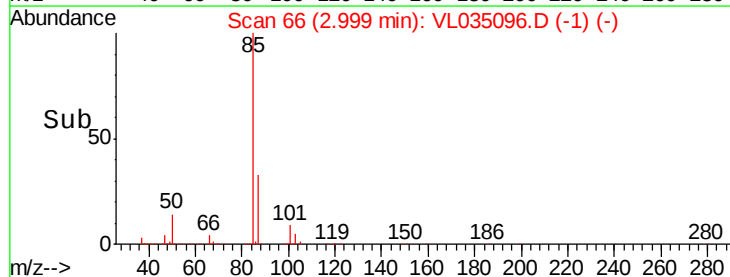
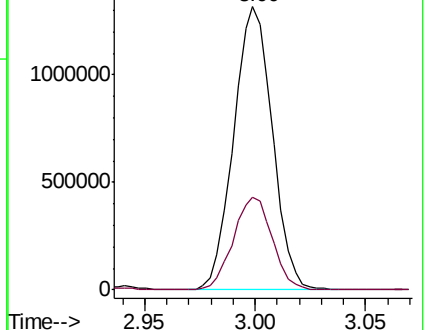
85 100

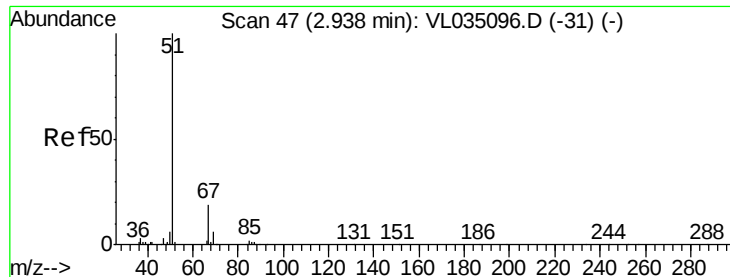
87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

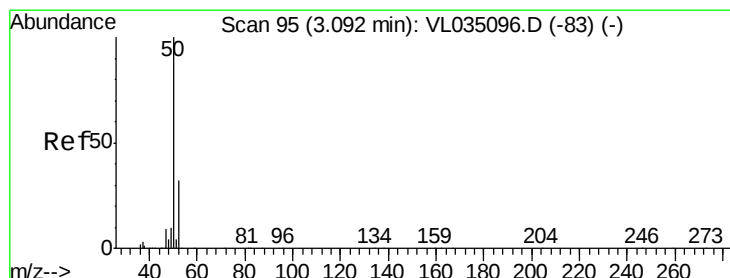
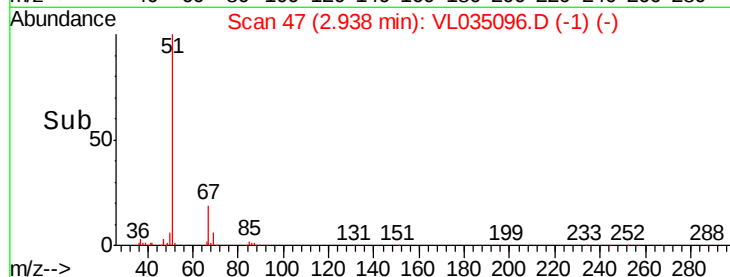
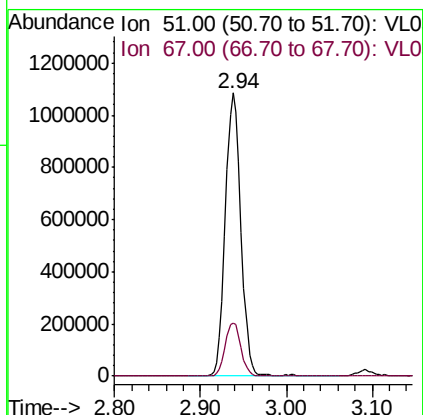
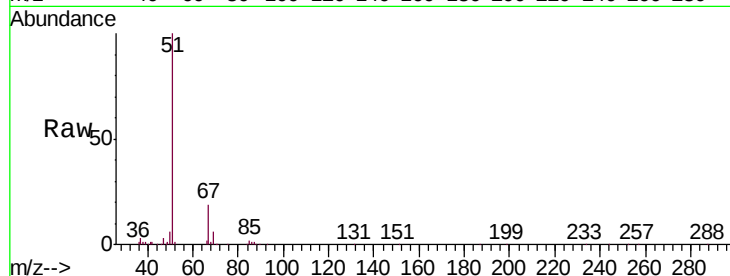




#3
 Chlorodifluoromethane
 Concen: 8.644 ppbv
 RT: 2.94 min Scan# 47
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

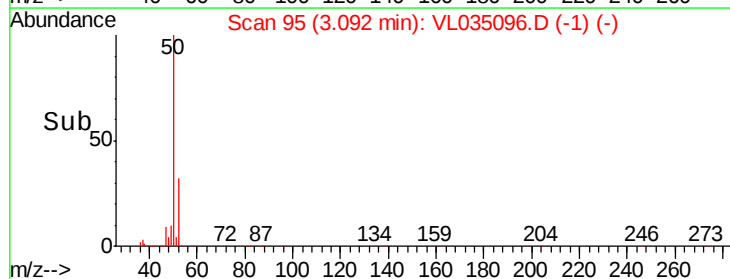
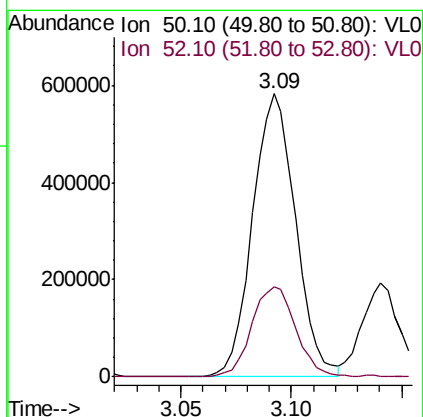
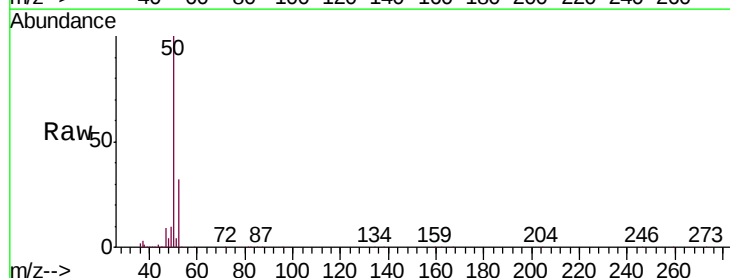
Instrument :
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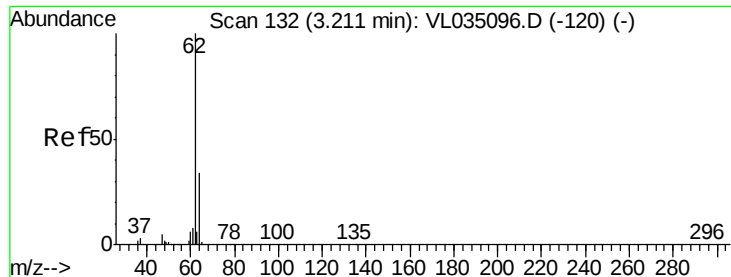
Tgt Ion: 51 Resp: 1364278
 Ion Ratio Lower Upper
 51 100
 67 19.0 15.2 22.8



#4
 Chloromethane
 Concen: 8.676 ppbv
 RT: 3.09 min Scan# 95
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 50 Resp: 783970
 Ion Ratio Lower Upper
 50 100
 52 31.7 25.4 38.0





#5

Vinyl Chloride

Concen: 8.714 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

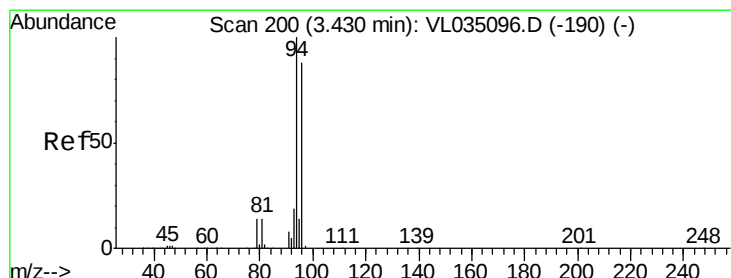
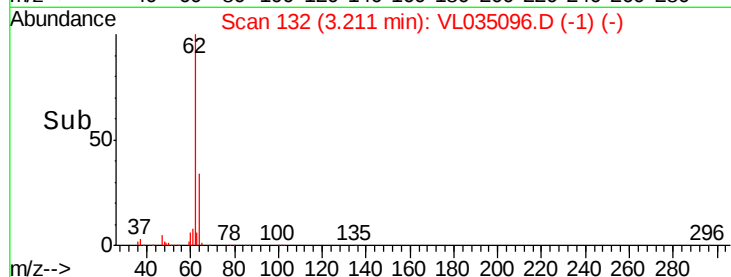
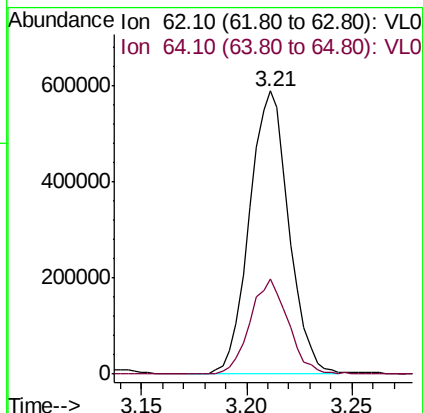
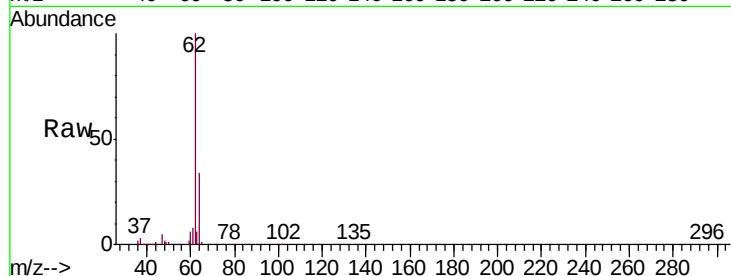
VSTDICCC010

Tgt Ion: 62 Resp: 766717

Ion Ratio Lower Upper

62 100

64 33.7 27.0 40.4



#6

Bromomethane

Concen: 8.871 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035096.D

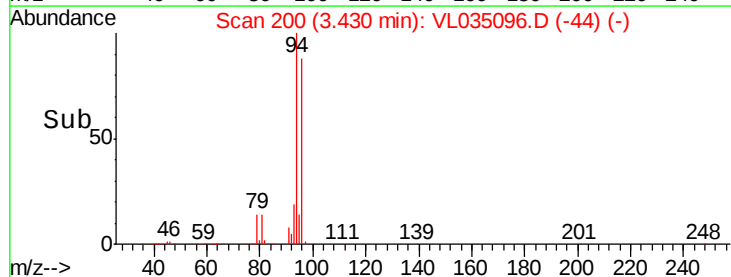
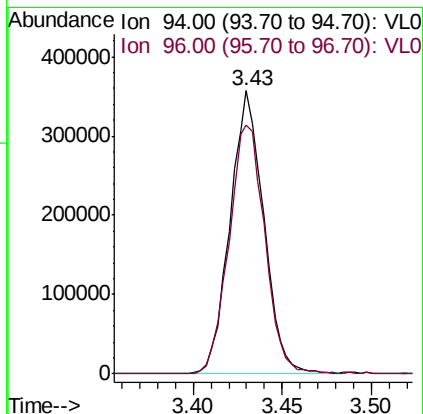
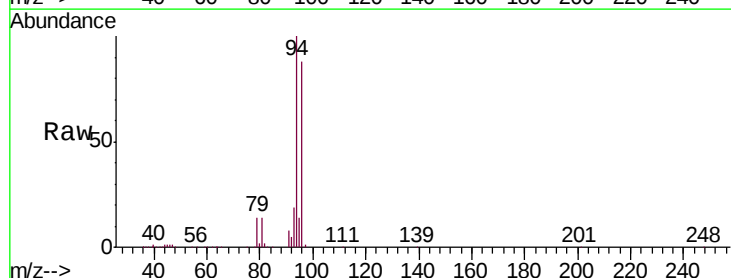
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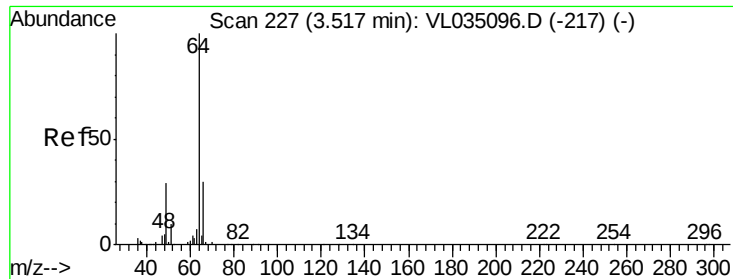
Tgt Ion: 94 Resp: 467343

Ion Ratio Lower Upper

94 100

96 87.7 70.2 105.2





#7

Chloroethane

Concen: 8.956 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

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ClientSampleId :

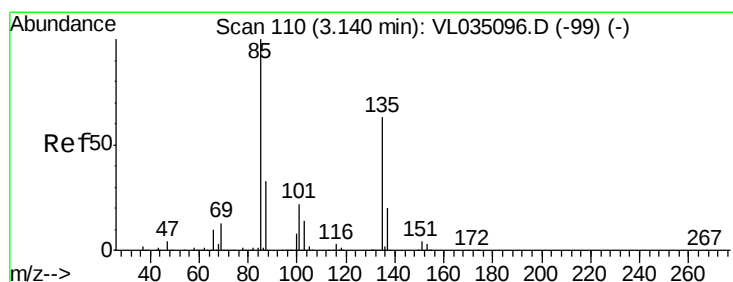
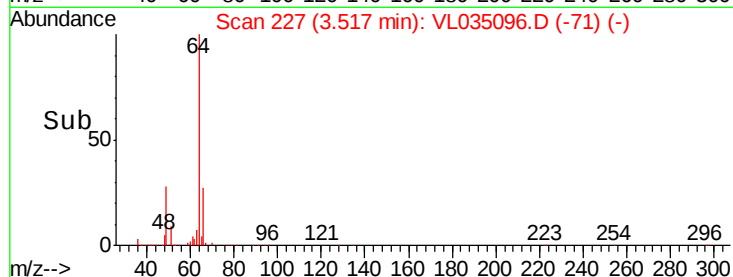
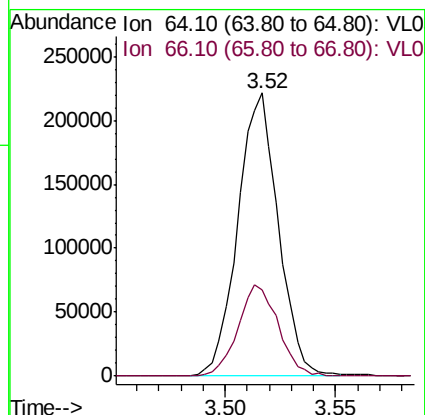
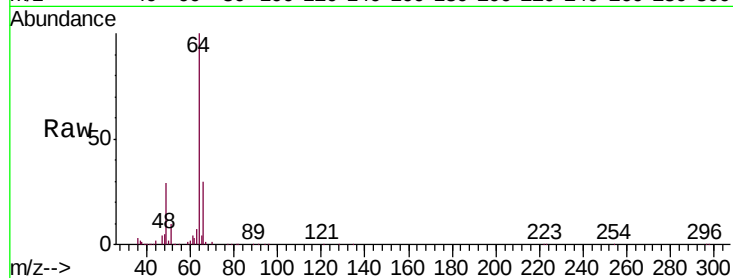
VSTDICCC010

Tgt Ion: 64 Resp: 282754

Ion Ratio Lower Upper

64 100

66 30.3 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 8.664 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035096.D

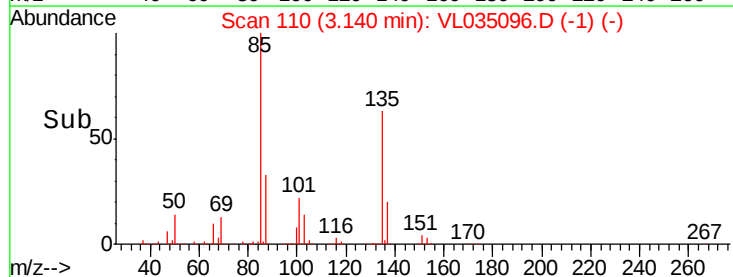
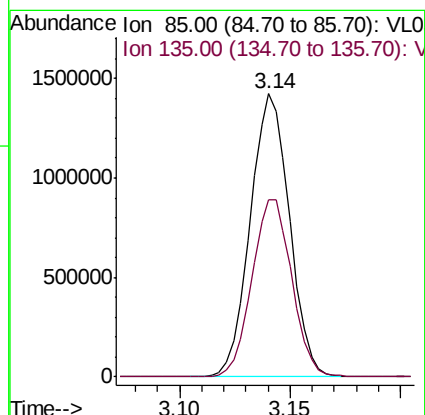
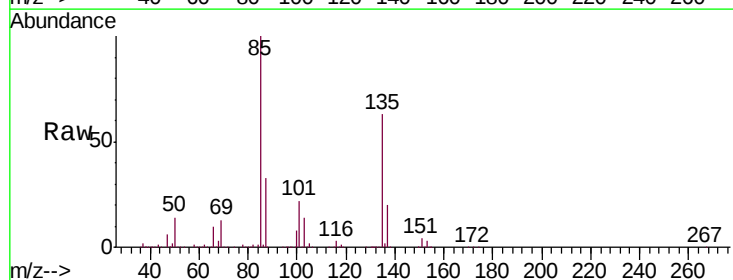
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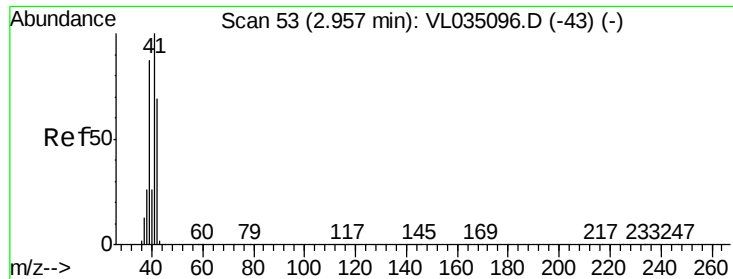
Tgt Ion: 85 Resp: 1762094

Ion Ratio Lower Upper

85 100

135 63.8 51.0 76.6





#9

Propene

Concen: 8.498 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL035096.D

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ClientSampleId :

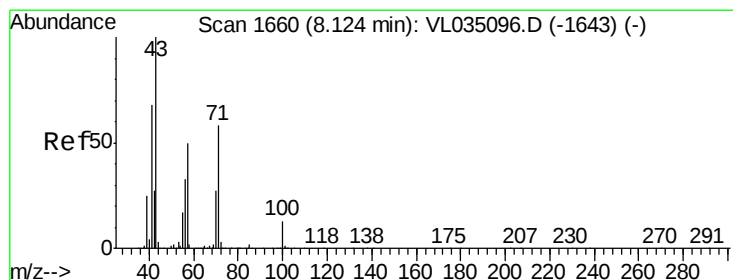
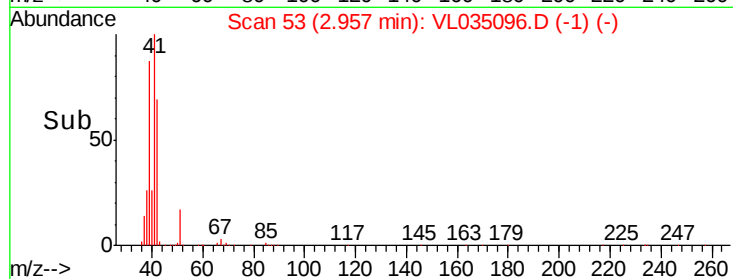
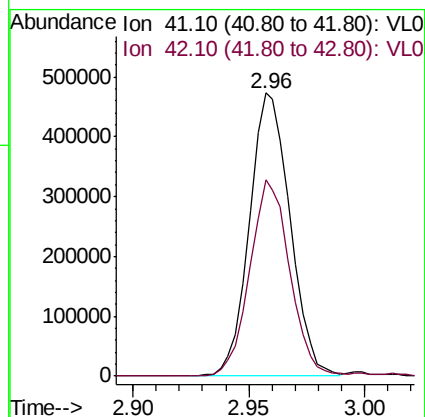
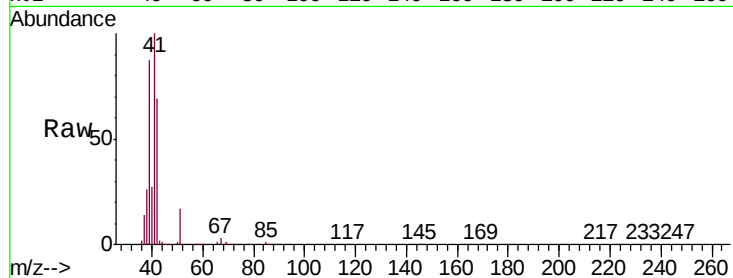
VSTDICCC010

Tgt Ion: 41 Resp: 574847

Ion Ratio Lower Upper

41 100

42 69.7 55.8 83.6



#10

Heptane

Concen: 9.229 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035096.D

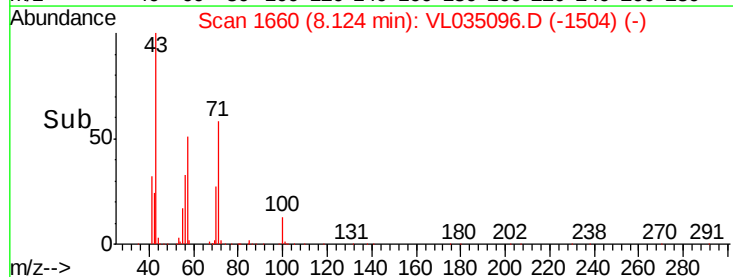
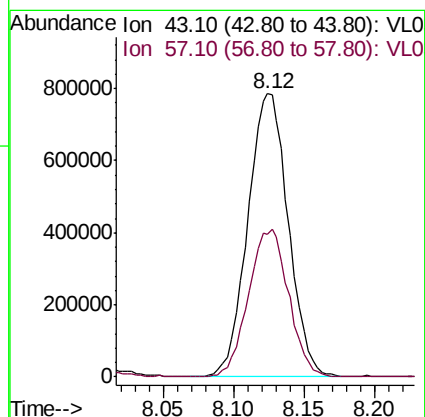
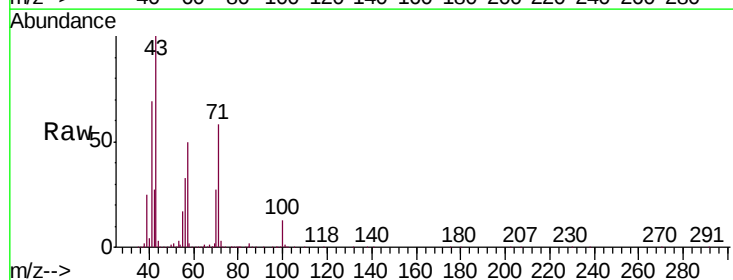
Acq: 19 Jun 2020 15:52

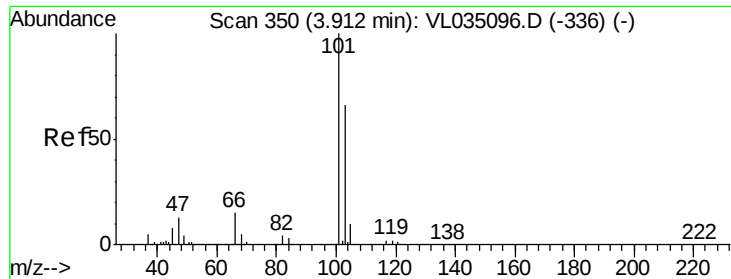
Tgt Ion: 43 Resp: 1565259

Ion Ratio Lower Upper

43 100

57 52.2 41.9 62.9

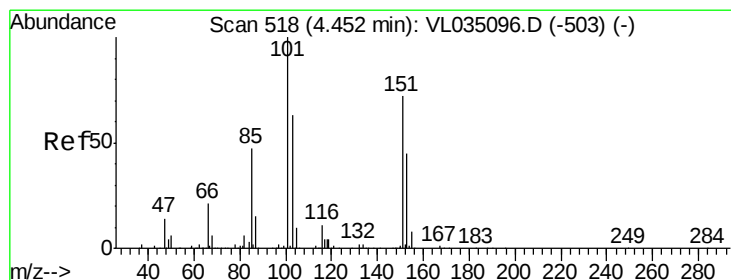
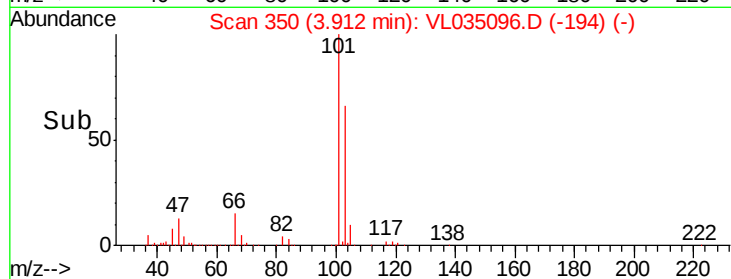
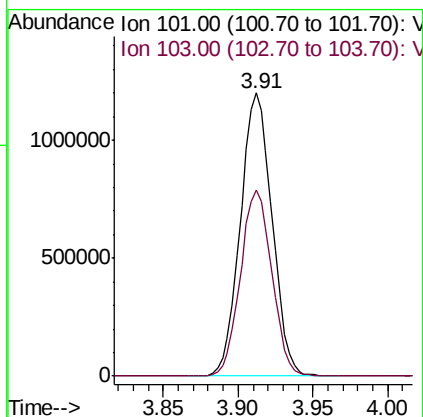
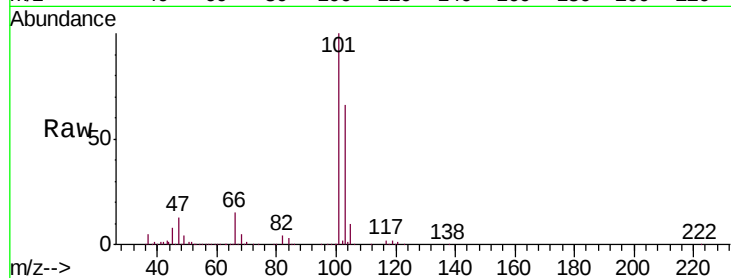




#11
 Trichlorofluoromethane
 Concen: 8.766 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

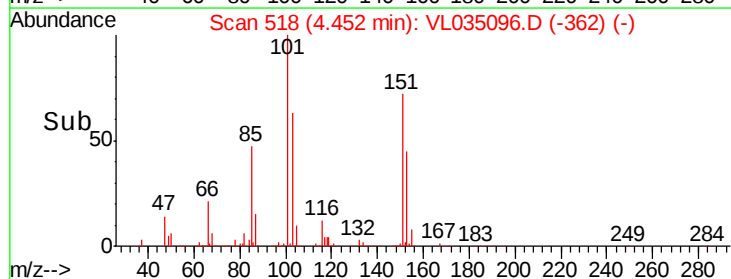
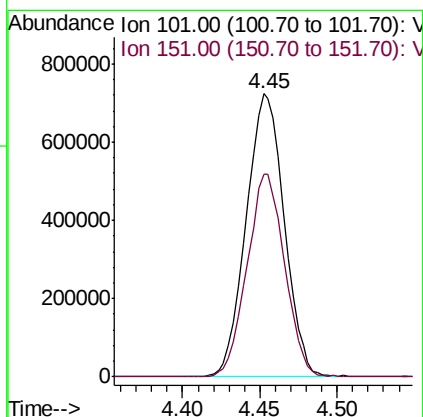
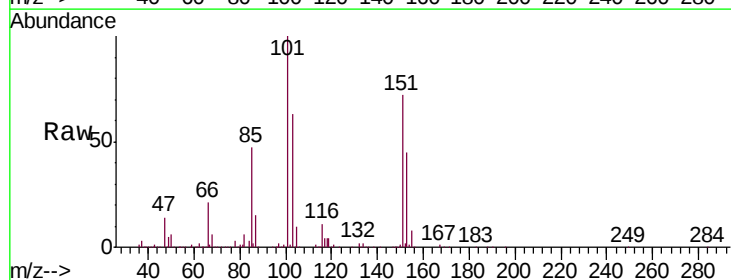
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

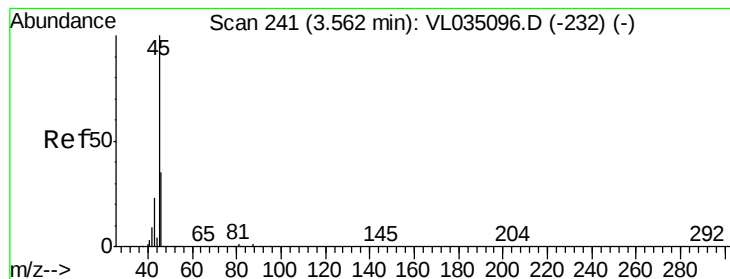
Tgt Ion:101 Resp: 1768550
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.657 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion:101 Resp: 1241353
 Ion Ratio Lower Upper
 101 100
 151 70.9 56.6 85.0





#13

Ethanol

Concen: 6.887 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

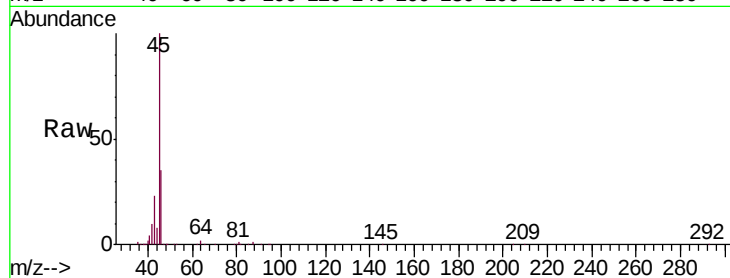
VSTDICCC010

Tgt Ion: 45 Resp: 150625

Ion Ratio Lower Upper

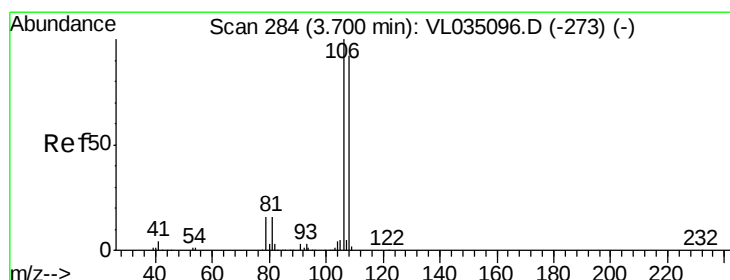
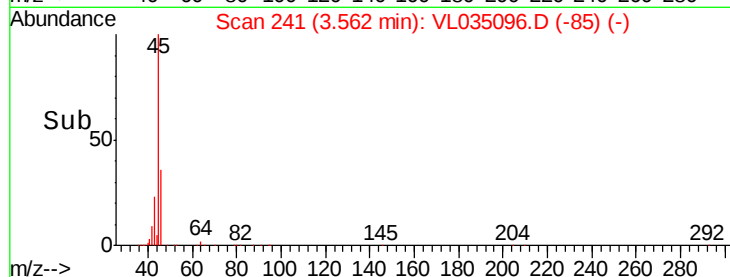
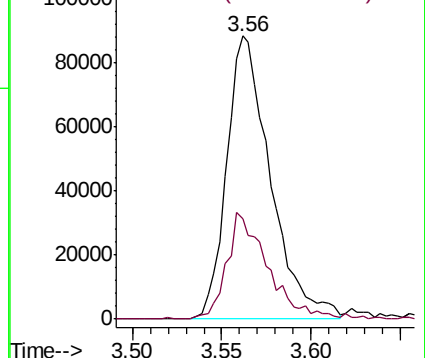
45 100

46 36.1 14.2 57.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.414 ppbv

RT: 3.70 min Scan# 284

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

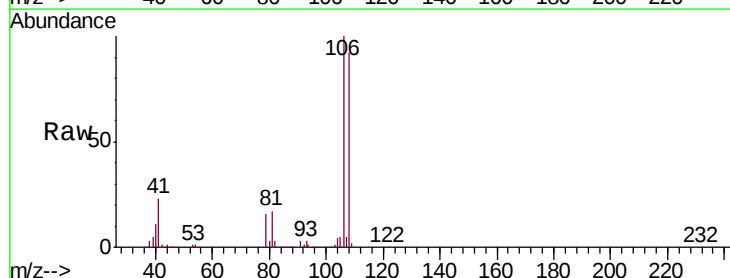
Tgt Ion: 108 Resp: 558777

Ion Ratio Lower Upper

108 100

106 106.2 84.4 126.6

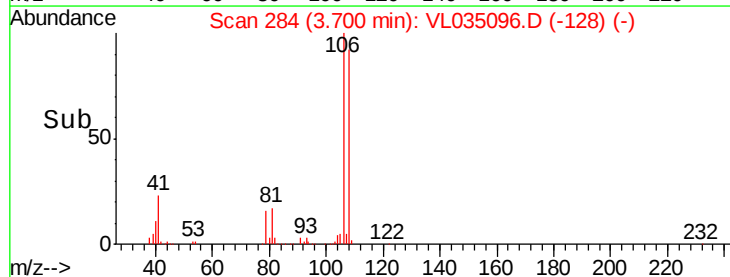
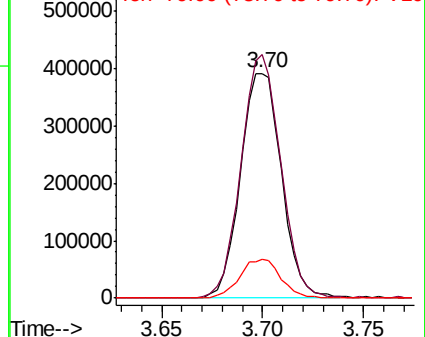
79 17.6 14.2 21.2

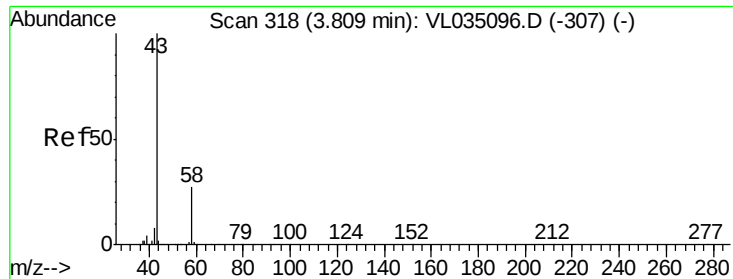


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 7.505 ppbv

RT: 3.81 min Scan# 318

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

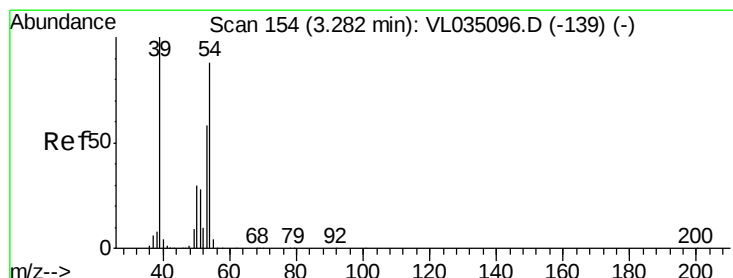
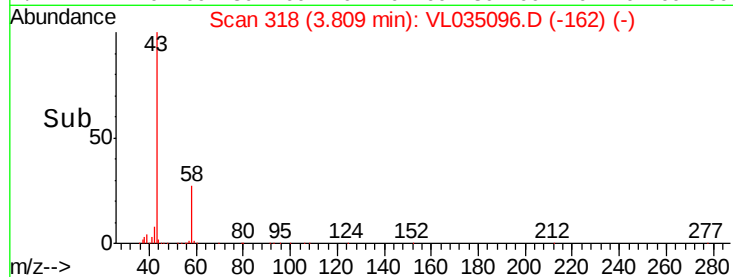
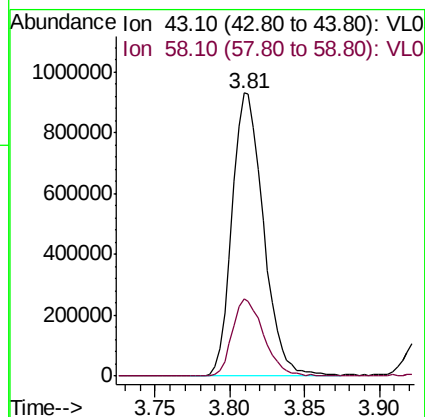
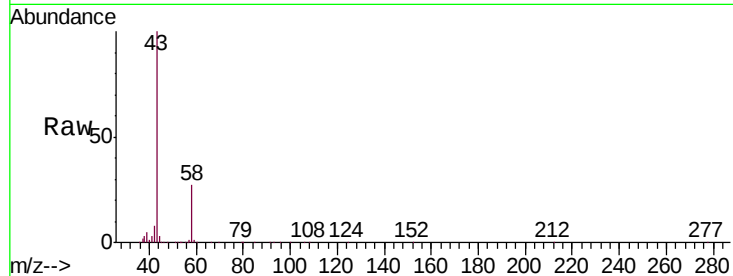
VSTDICCC010

Tgt Ion: 43 Resp: 1365694

Ion Ratio Lower Upper

43 100

58 27.3 21.8 32.6



#16

1,3-Butadiene

Concen: 8.913 ppbv

RT: 3.28 min Scan# 154

Delta R.T. 0.00 min

Lab File: VL035096.D

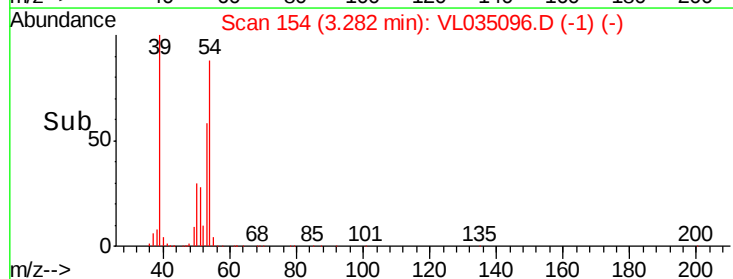
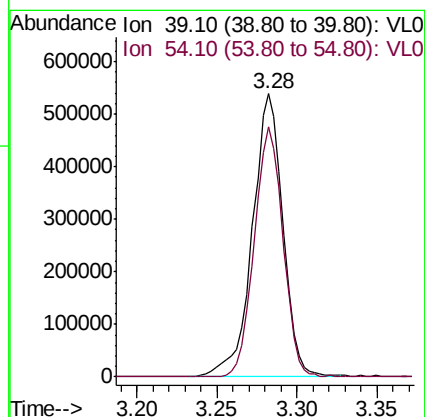
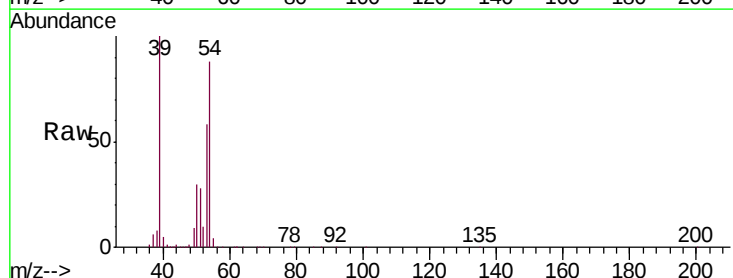
Acq: 19 Jun 2020 15:52

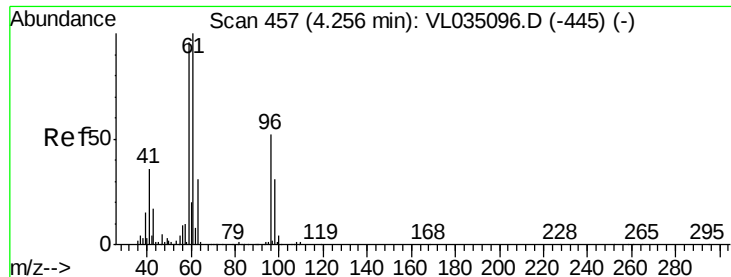
Tgt Ion: 39 Resp: 699025

Ion Ratio Lower Upper

39 100

54 83.7 67.0 100.4



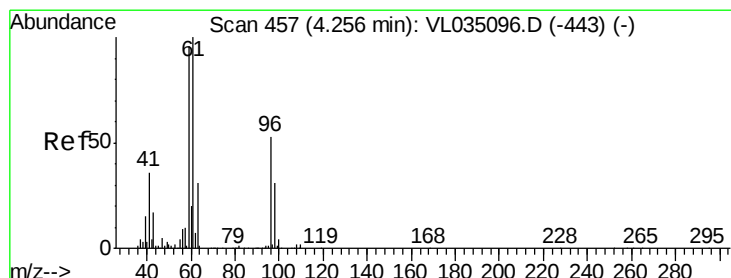
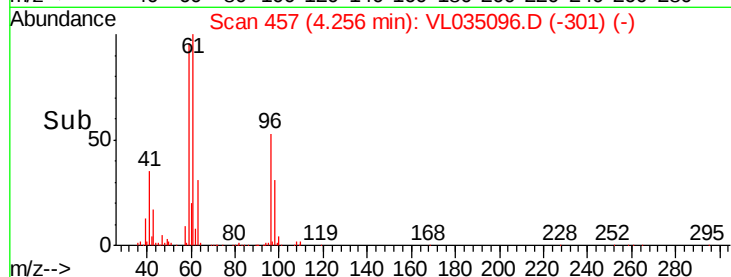
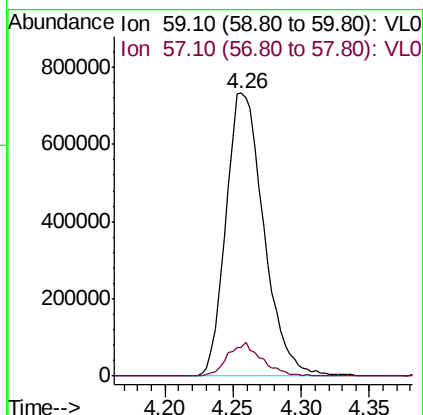
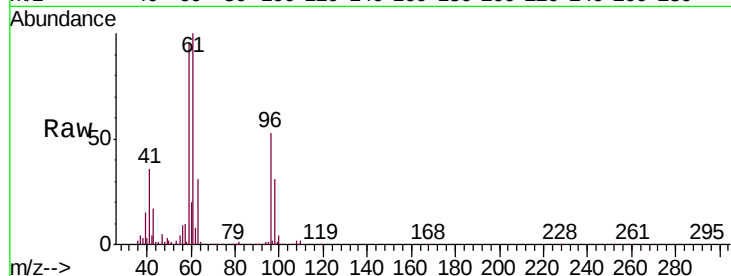


#17

tert-Butyl alcohol
Concen: 8.750 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

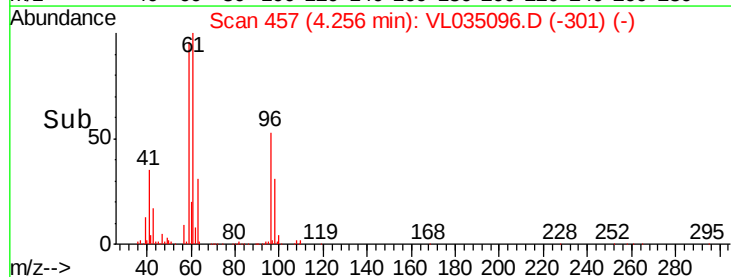
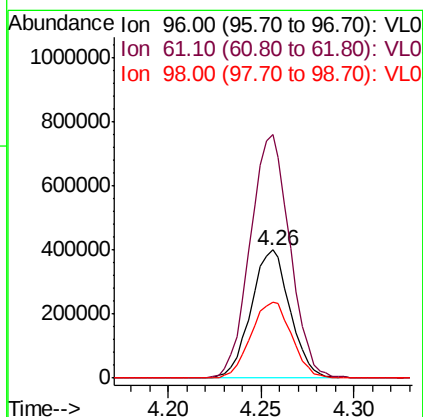
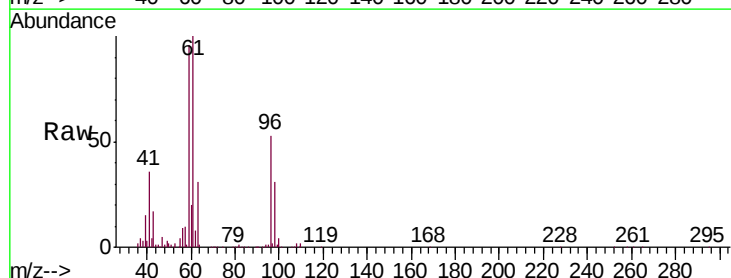
Tgt Ion: 59 Resp: 1412605
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

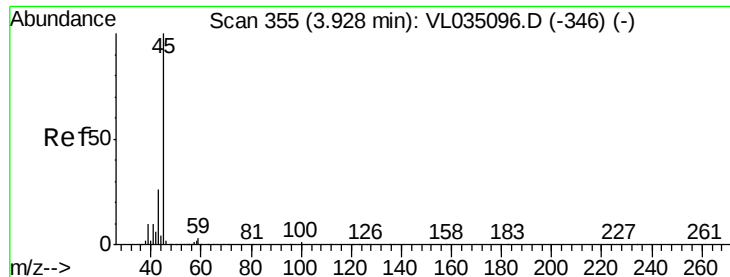


#18

1,1-Dichloroethene
Concen: 9.342 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 96 Resp: 581694
Ion Ratio Lower Upper
96 100
61 190.3 152.2 228.4
98 59.6 47.7 71.5





#19

Isopropyl Alcohol

Concen: 8.178 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

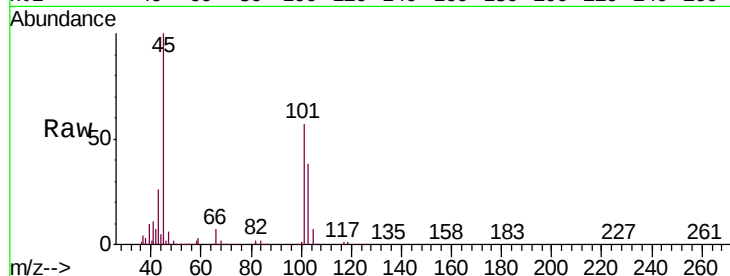
VSTDICCC010

Tgt Ion: 45 Resp: 980521

Ion Ratio Lower Upper

45 100

58 2.3 1.8 2.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

600000

500000

400000

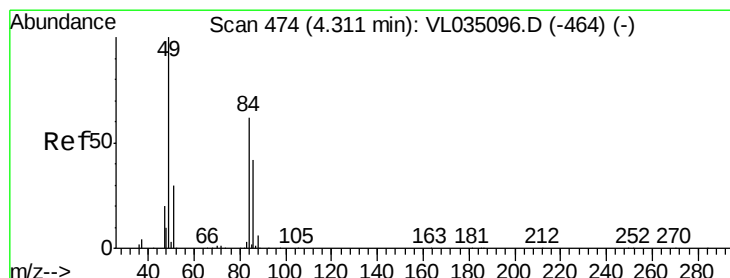
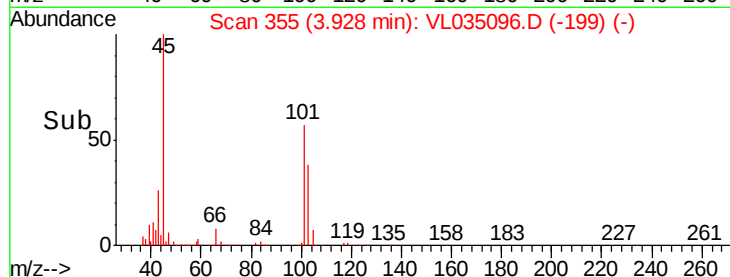
300000

200000

100000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 8.398 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Tgt Ion: 84 Resp: 505560

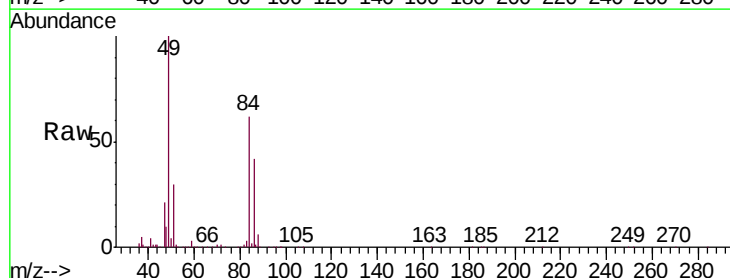
Ion Ratio Lower Upper

84 100

49 161.0 128.8 193.2

51 48.4 38.7 58.1

86 67.6 54.1 81.1



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

800000

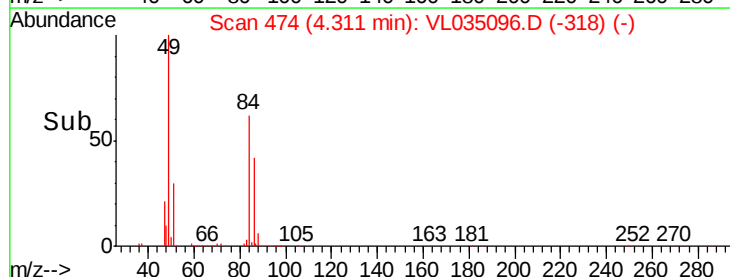
600000

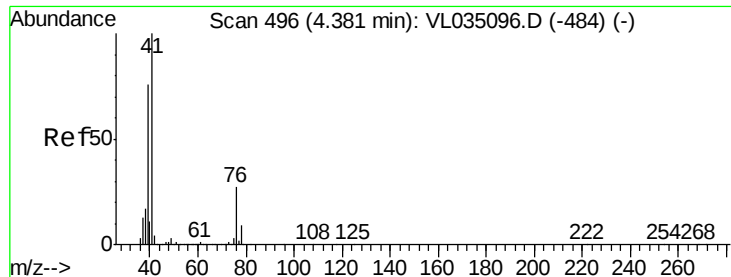
400000

200000

0

Time--> 4.25 4.30 4.35

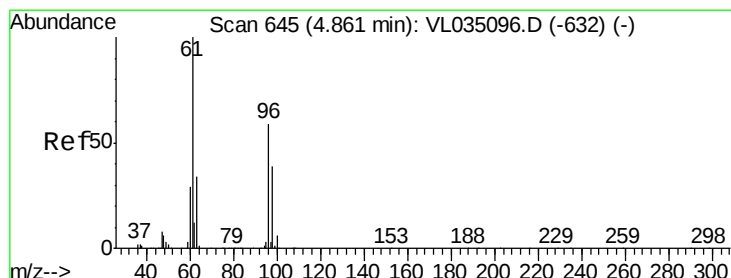
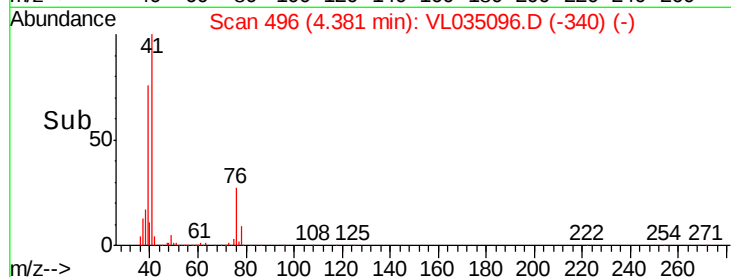
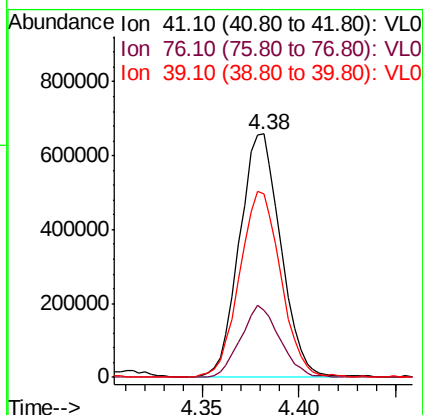
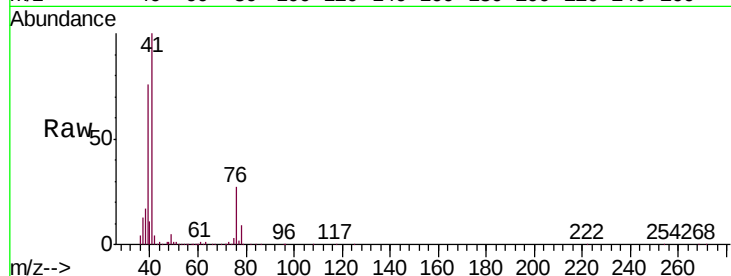




#21
 Allyl Chloride
 Concen: 9.475 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

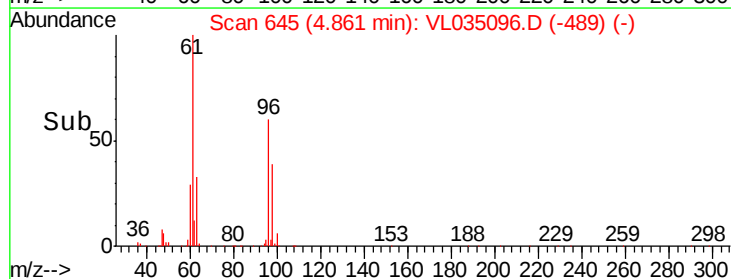
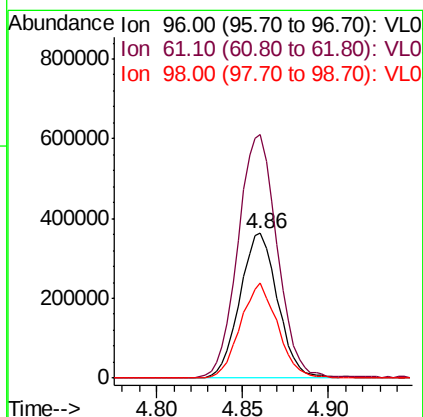
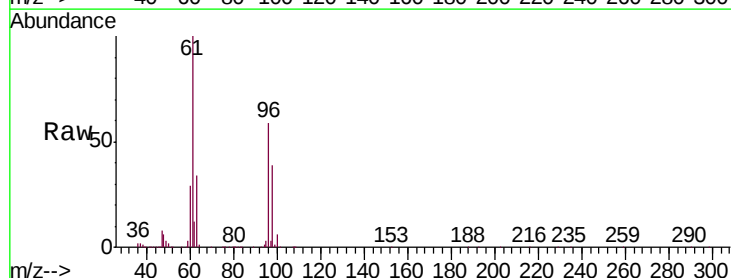
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

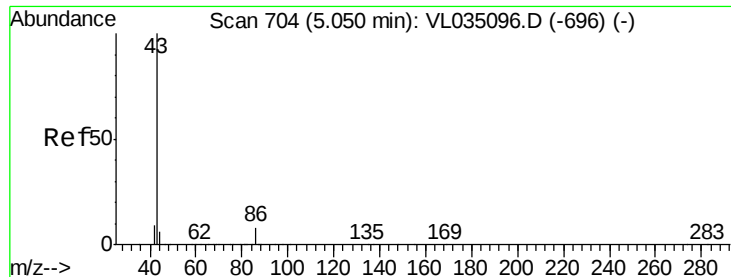
Tgt Ion: 41 Resp: 971327
 Ion Ratio Lower Upper
 41 100
 76 28.3 22.6 34.0
 39 76.8 61.6 92.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.092 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 96 Resp: 554753
 Ion Ratio Lower Upper
 96 100
 61 168.1 134.5 201.7
 98 65.8 52.6 79.0





#23

Vinyl Acetate

Concen: 8.834 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2016821

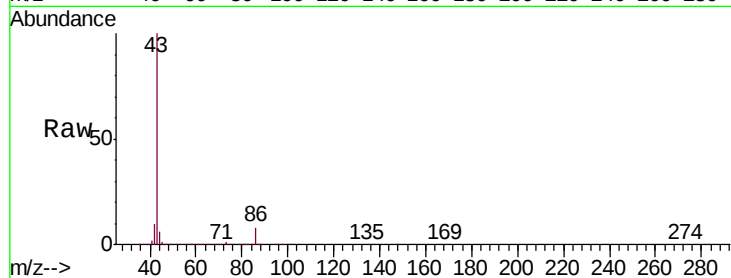
Ion Ratio Lower Upper

43 100

86 7.7 6.2 9.2

42 10.1 8.1 12.1

44 5.8 4.6 7.0

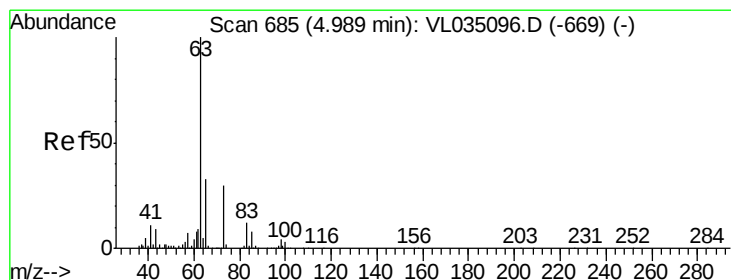
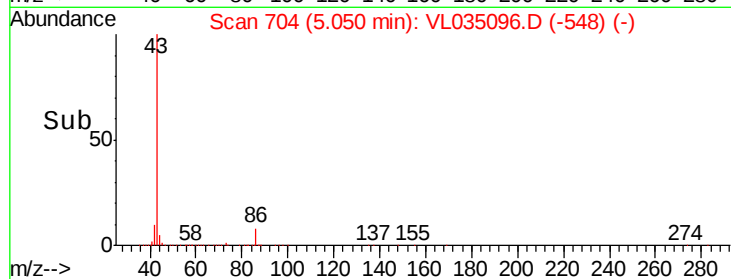
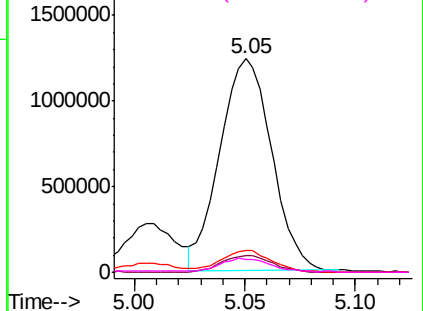


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.767 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

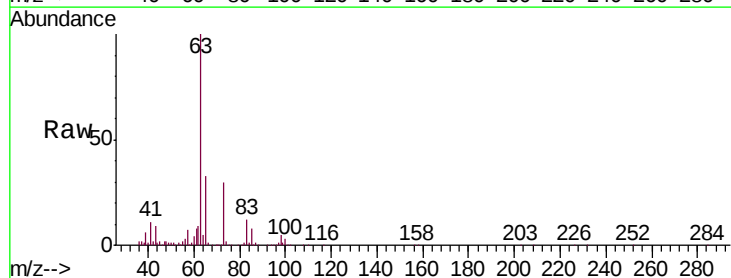
Tgt Ion: 63 Resp: 1559853

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

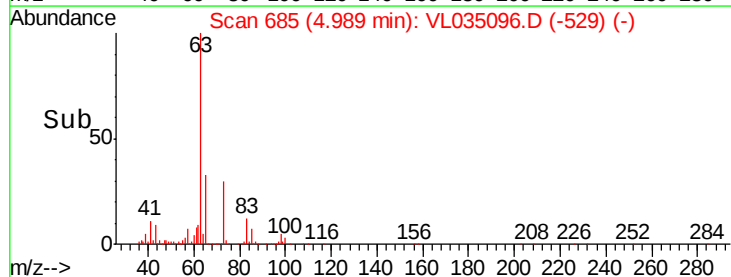
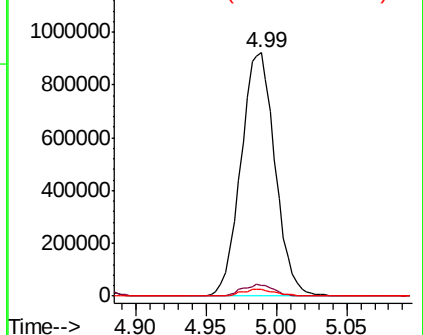
100 2.7 1.4 4.0

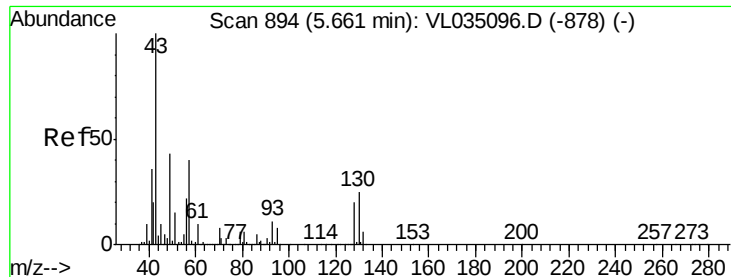


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



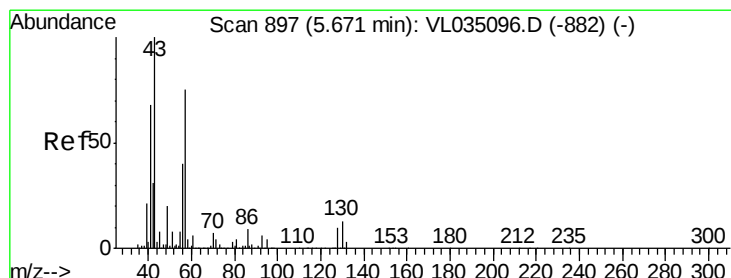
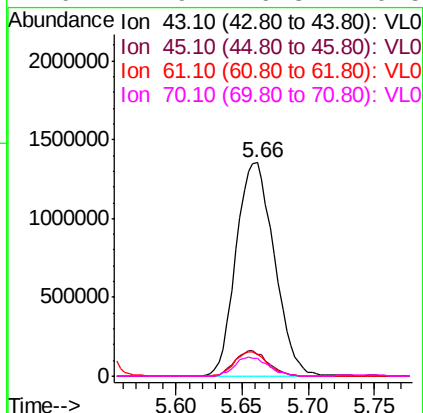
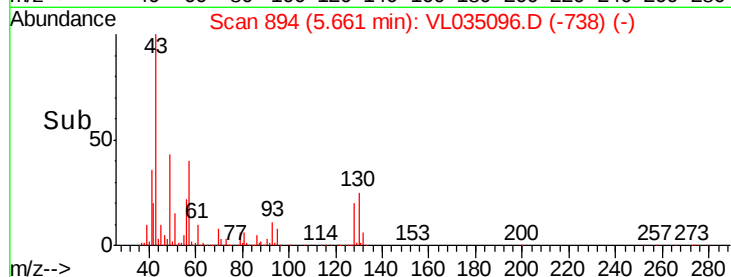
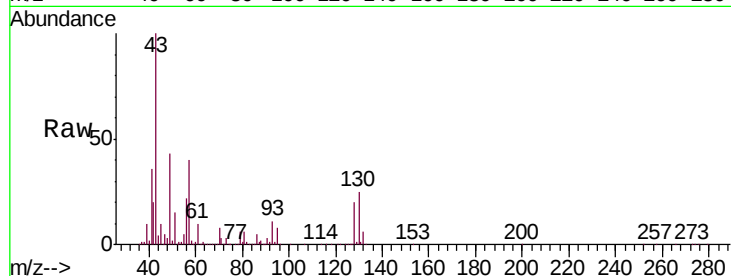


#25
Ethyl Acetate
Concen: 8.891 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2716380

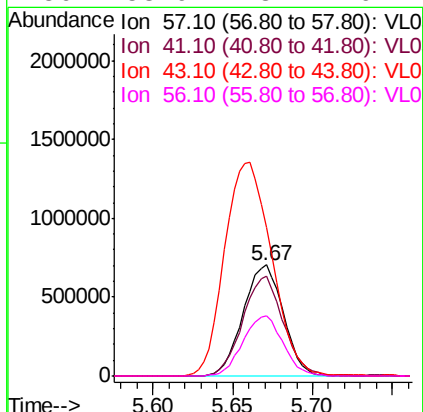
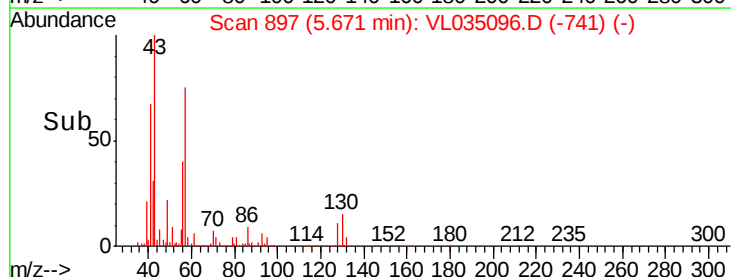
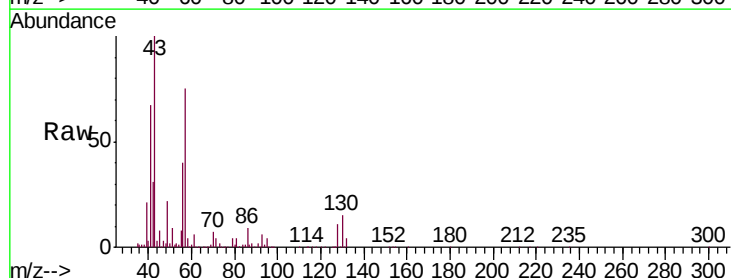
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.4	12.6
61	10.0	8.0	12.0
70	7.9	6.3	9.5

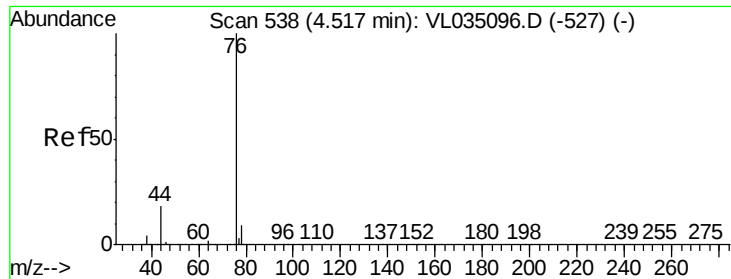


#26
Hexane
Concen: 9.072 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 57 Resp: 1202583

Ion	Ratio	Lower	Upper
57	100		
41	91.1	72.9	109.3
43	226.6	181.3	271.9
56	53.9	43.1	64.7

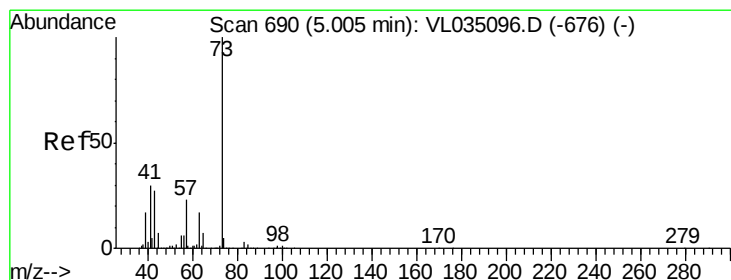
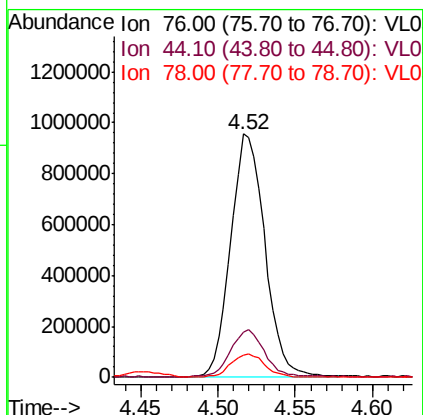
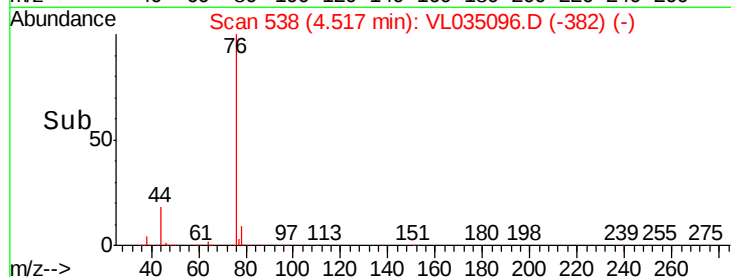
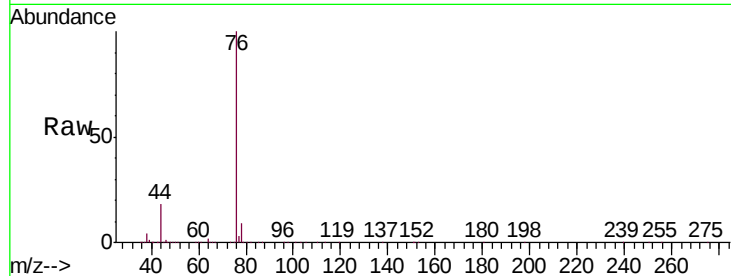




#27
Carbon Disulfide
Concen: 9.500 ppbv
RT: 4.52 min Scan# 538
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

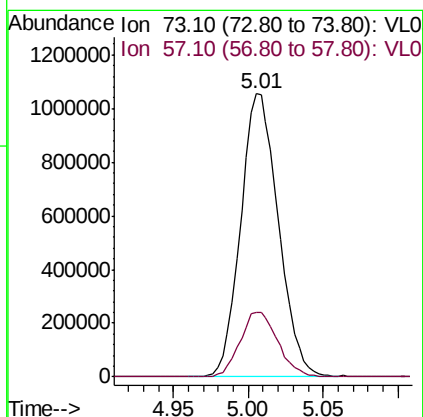
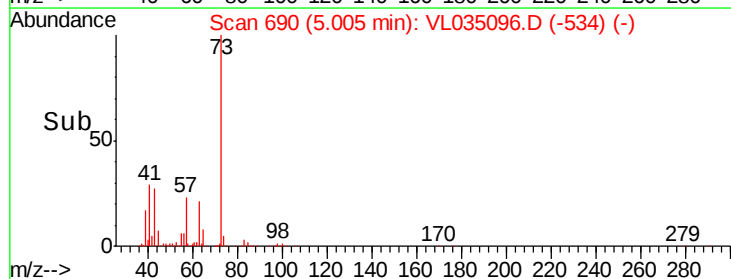
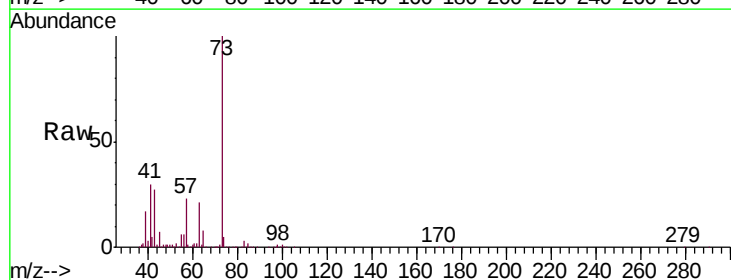
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

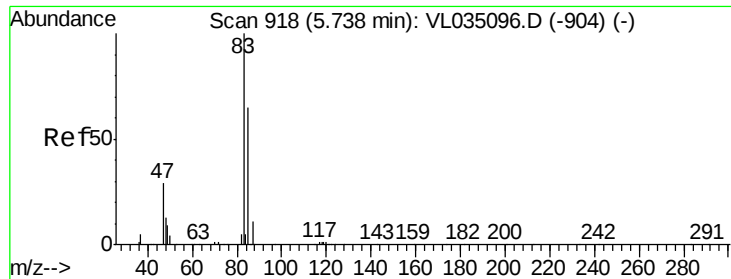
Tgt Ion: 76 Resp: 1468659
Ion Ratio Lower Upper
76 100
44 18.9 15.8 23.8
78 9.5 7.6 11.4



#28
Methyl tert-Butyl Ether
Concen: 9.181 ppbv
RT: 5.01 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 73 Resp: 1848298
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7

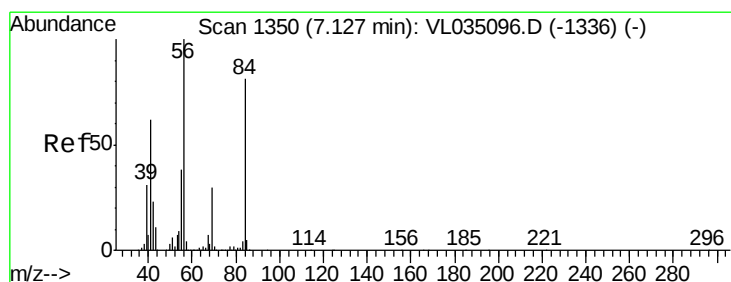
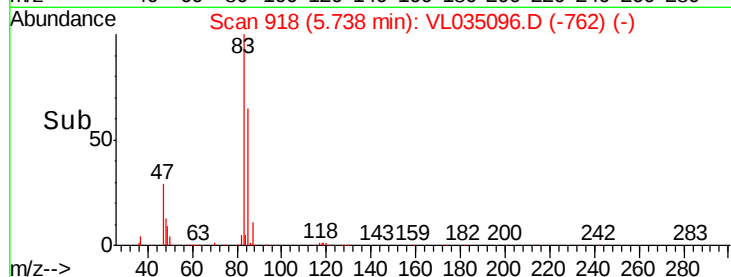
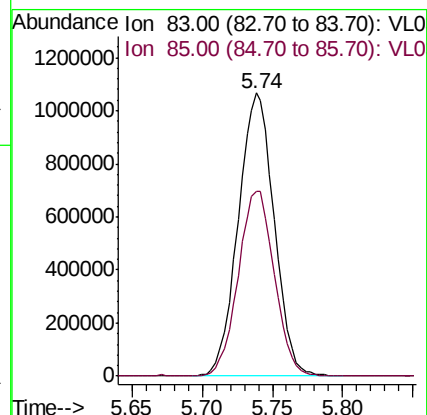
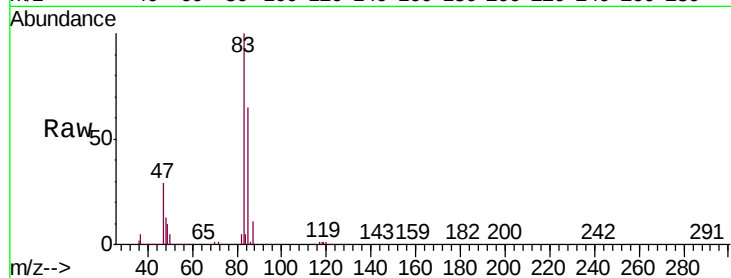




#29
Chloroform
Concen: 8.727 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

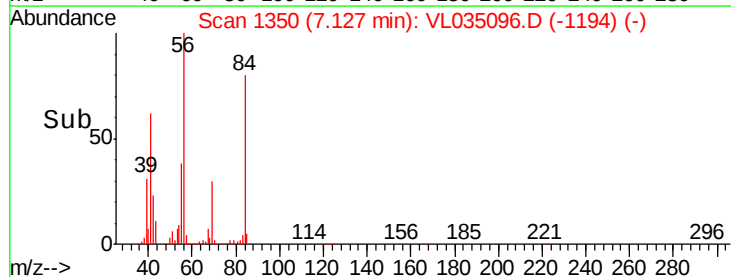
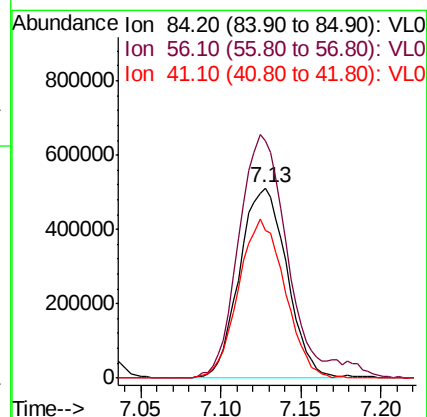
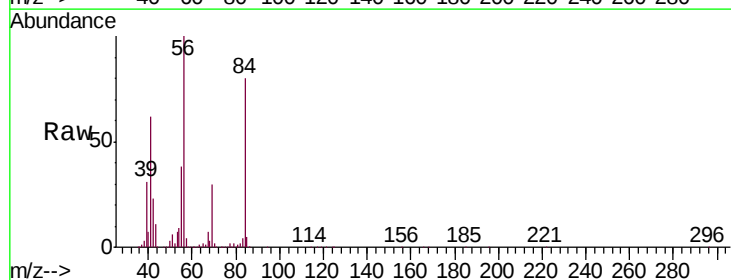
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

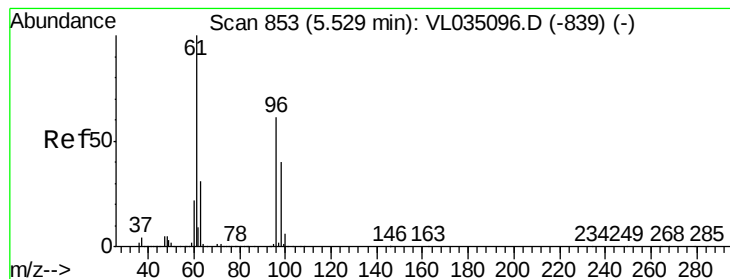
Tgt Ion: 83 Resp: 1898748
Ion Ratio Lower Upper
83 100
85 65.1 52.1 78.1



#30
Cyclohexane
Concen: 10.036 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 84 Resp: 1031989
Ion Ratio Lower Upper
84 100
56 135.0 108.0 162.0
41 82.1 65.6 98.4





#31

cis-1,2-Dichloroethene

Concen: 9.577 ppbv

RT: 5.53 min Scan# 853

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

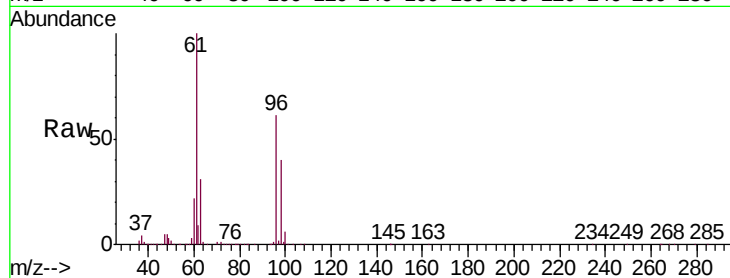
Tgt Ion: 61 Resp: 1243289

Ion Ratio Lower Upper

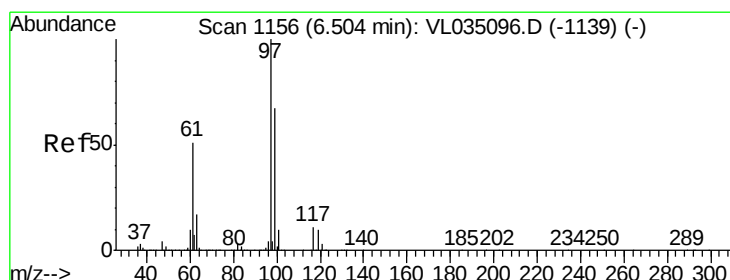
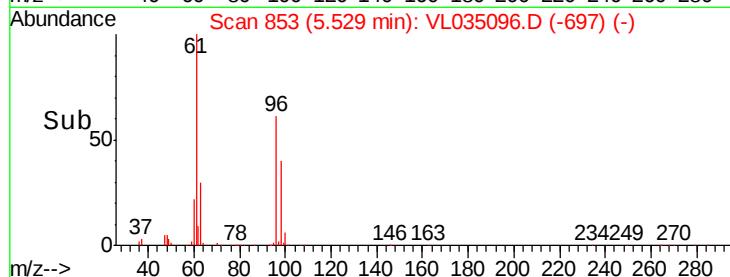
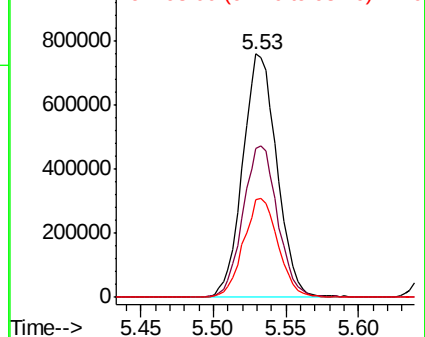
61 100

96 61.0 48.8 73.2

98 39.9 31.9 47.9



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.352 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

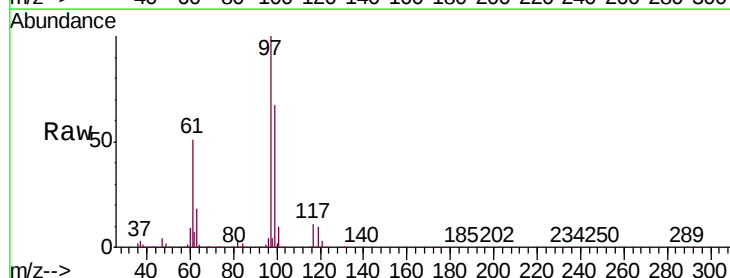
Tgt Ion: 97 Resp: 1839356

Ion Ratio Lower Upper

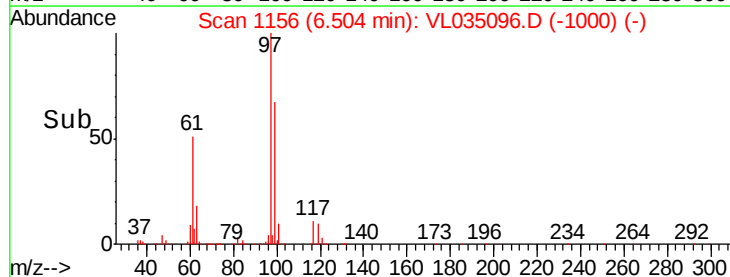
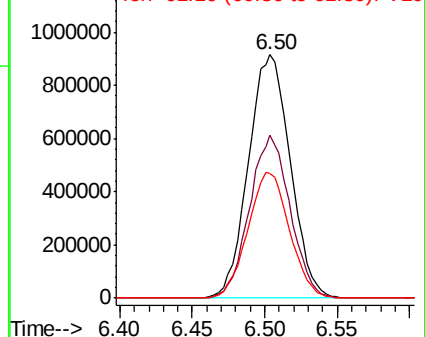
97 100

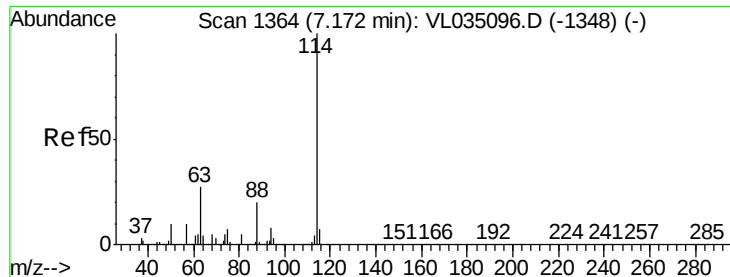
99 65.0 52.0 78.0

61 51.3 41.0 61.6



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

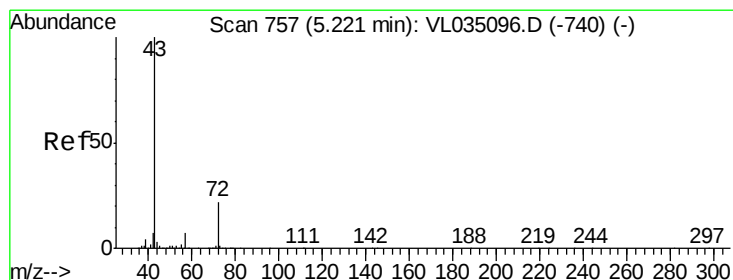
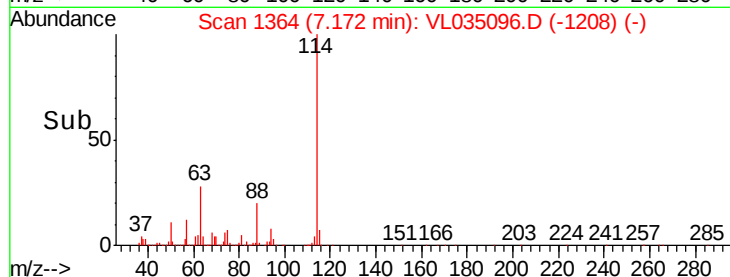
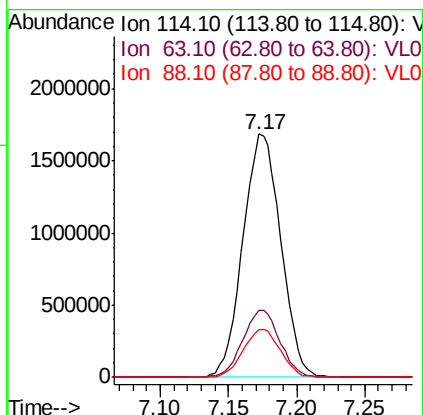
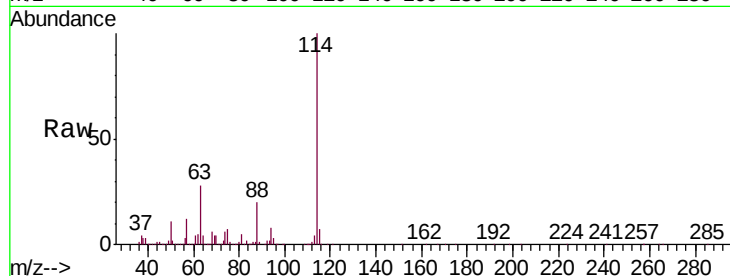




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

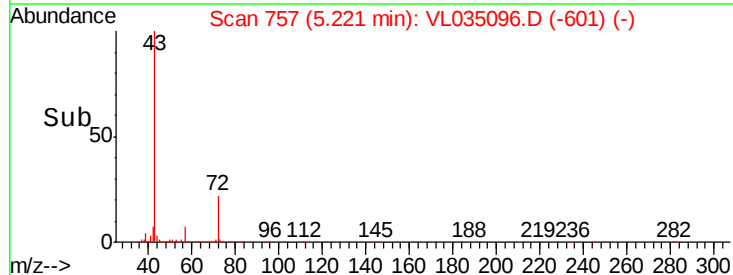
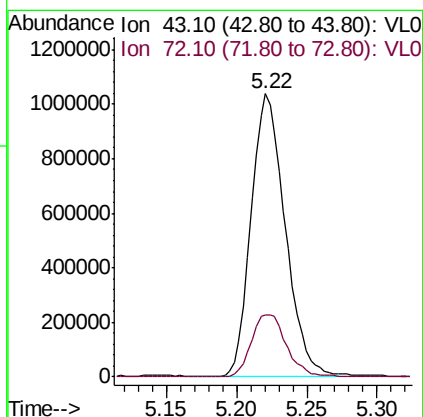
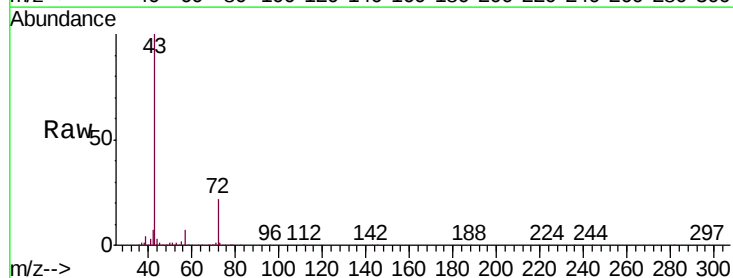
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

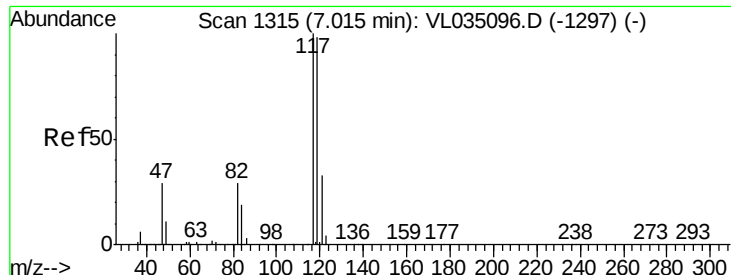
Tgt Ion: 114 Resp: 3250876
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.9 32.9
 88 19.4 15.6 23.4



#34
 2-Butanone
 Concen: 8.707 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 43 Resp: 1747254
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.3 27.5





#35

Carbon Tetrachloride

Concen: 9.150 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

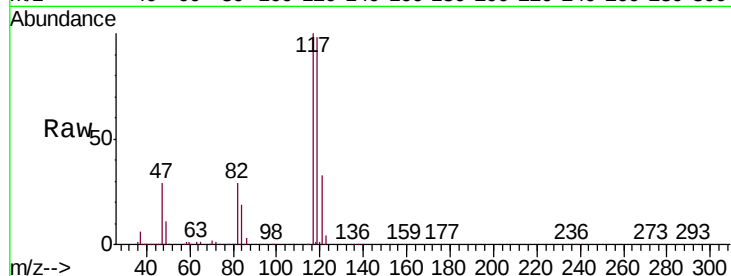
Tgt Ion: 117 Resp: 1874759

Ion Ratio Lower Upper

117 100

119 97.9 78.3 117.5

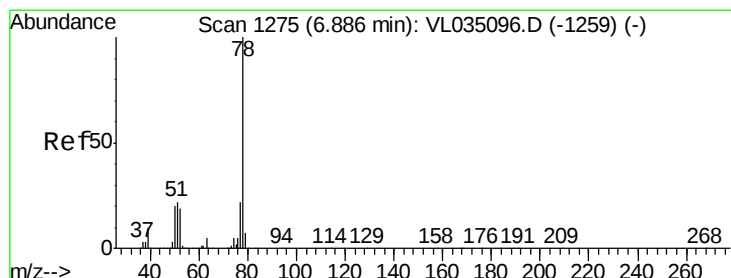
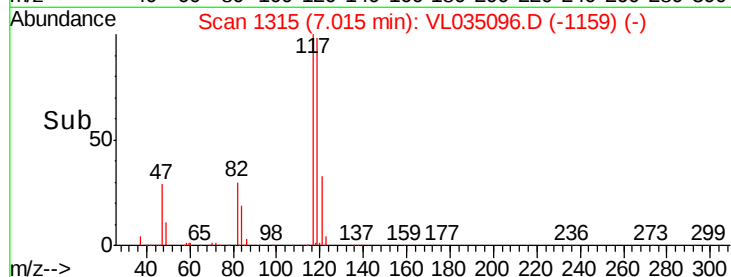
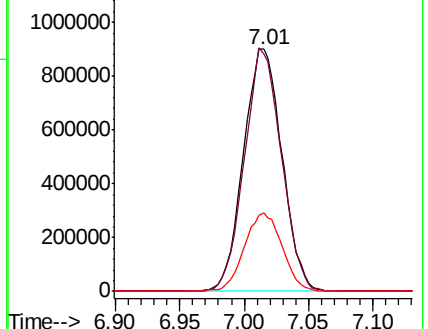
121 32.5 26.0 39.0



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: 9.097 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

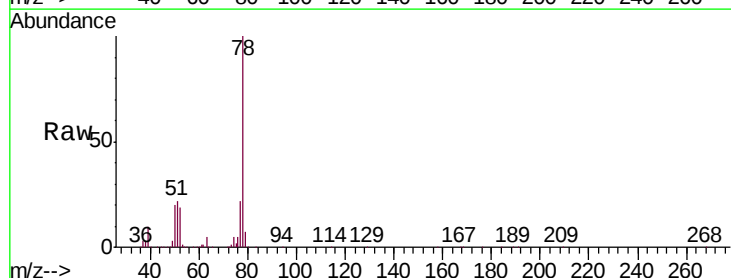
Tgt Ion: 78 Resp: 2433955

Ion Ratio Lower Upper

78 100

77 22.2 17.8 26.6

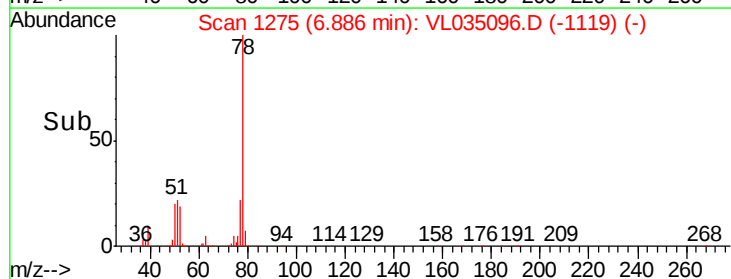
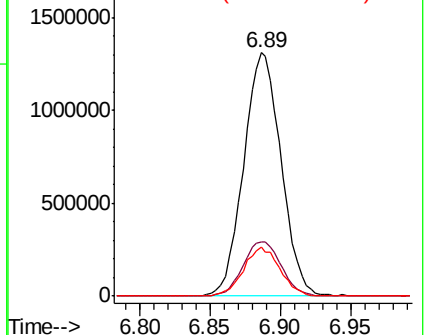
50 20.2 16.2 24.2

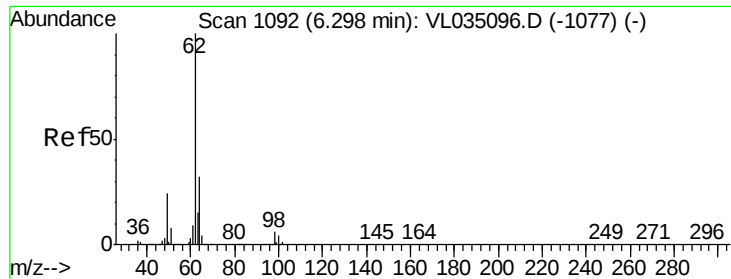


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

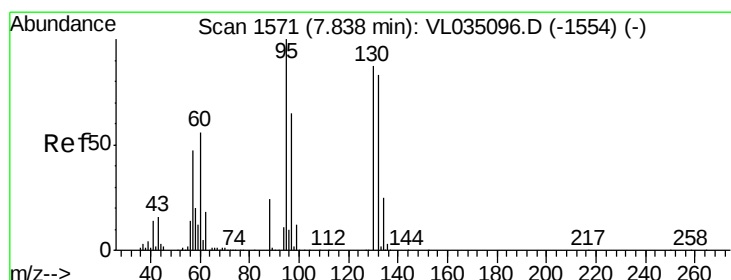
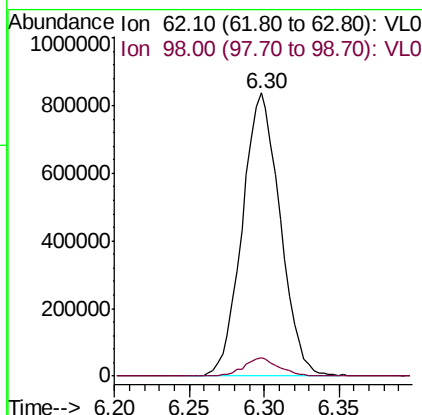
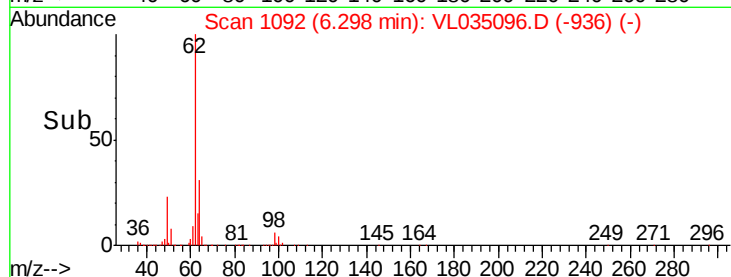
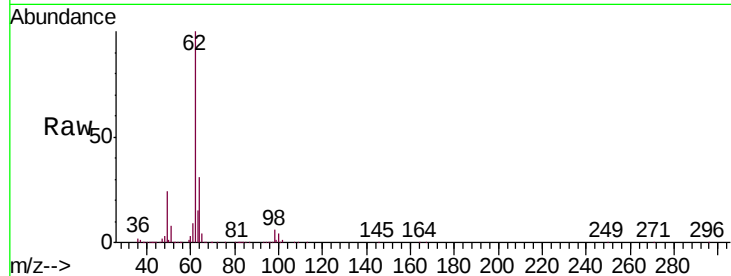




#37
 1,2-Dichloroethane
 Concen: 8.928 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

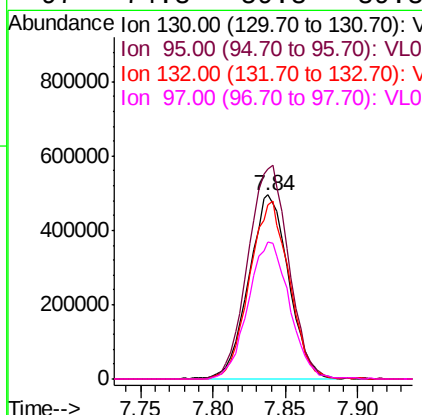
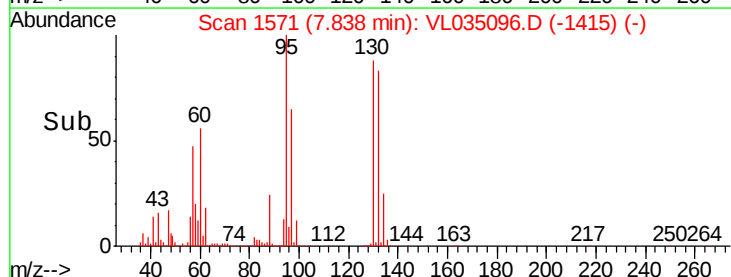
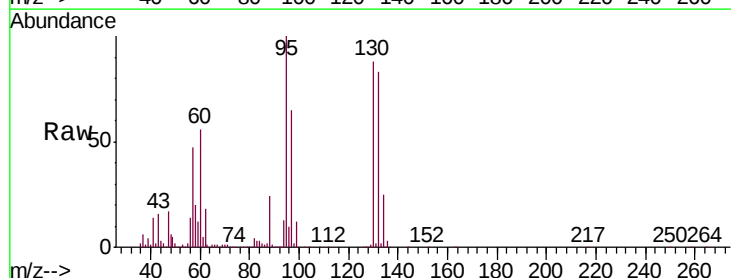
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

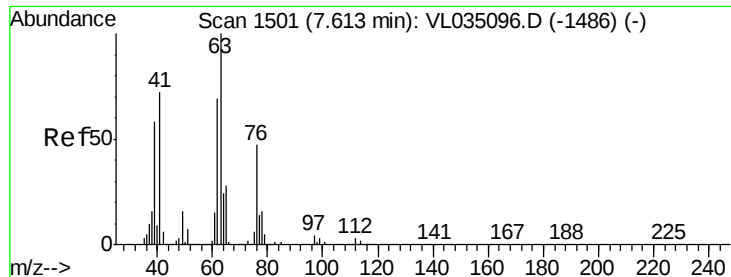
Tgt Ion: 62 Resp: 1477423
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2



#38
 Trichloroethene
 Concen: 9.132 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 130 Resp: 951029
 Ion Ratio Lower Upper
 130 100
 95 114.3 91.4 137.2
 132 94.7 75.8 113.6
 97 74.8 59.8 89.8

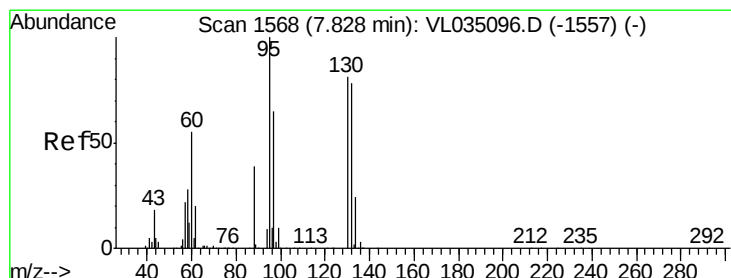
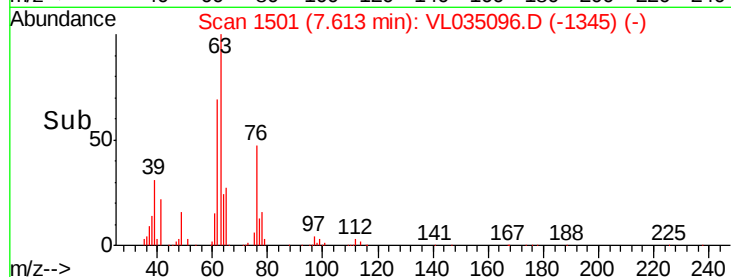
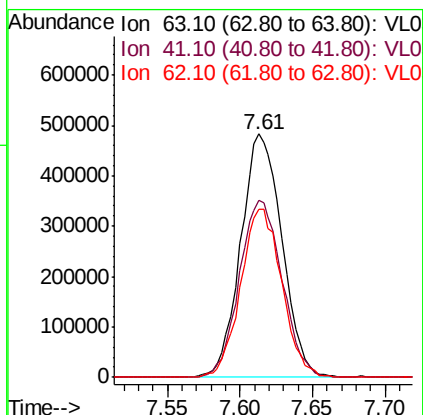
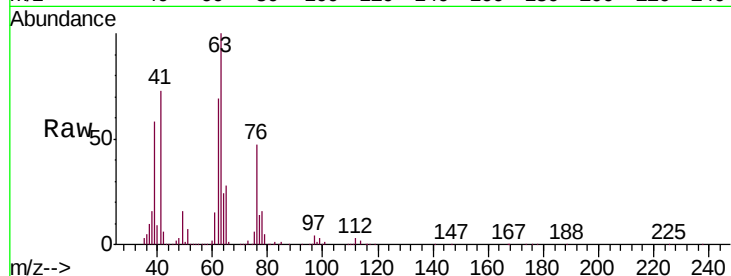




#39
 1,2-Dichloropropane
 Concen: 8.896 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

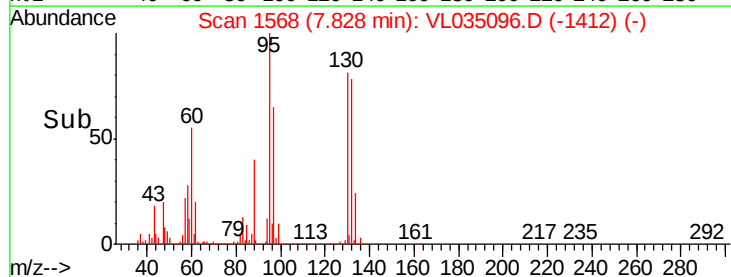
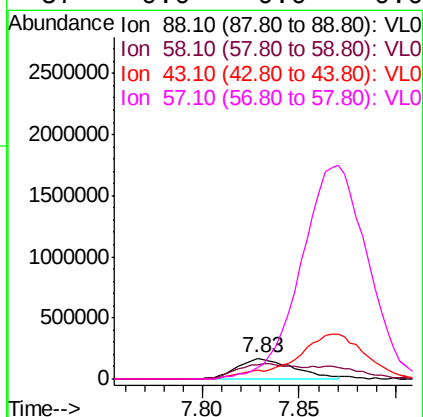
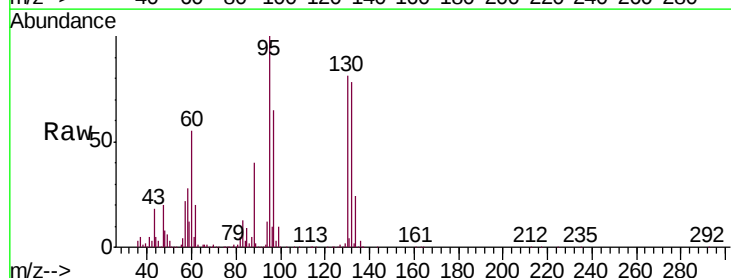
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

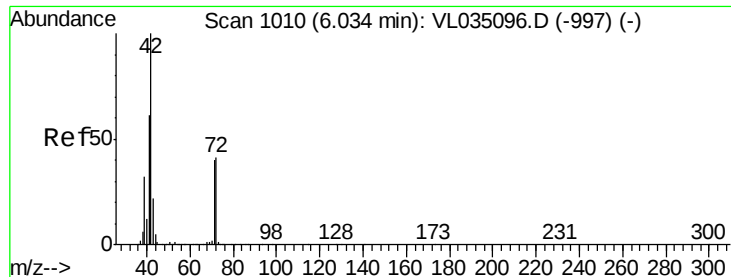
Tgt Ion: 63 Resp: 953557
 Ion Ratio Lower Upper
 63 100
 41 72.5 58.0 87.0
 62 69.2 55.4 83.0



#40
 1,4-Dioxane
 Concen: 8.015 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 88 Resp: 342339
 Ion Ratio Lower Upper
 88 100
 58 137.1 110.2 165.4
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.290 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

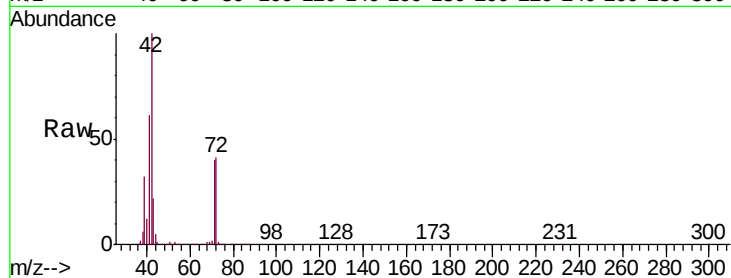
Tgt Ion: 42 Resp: 978192

Ion Ratio Lower Upper

42 100

72 41.8 33.4 50.2

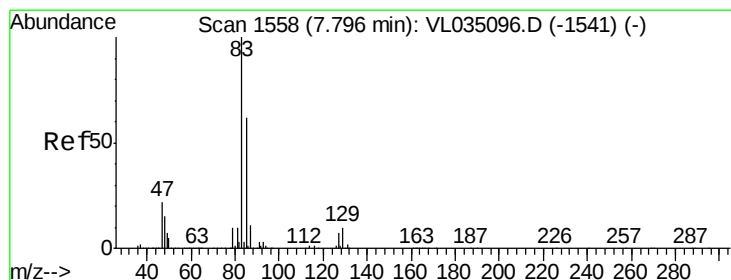
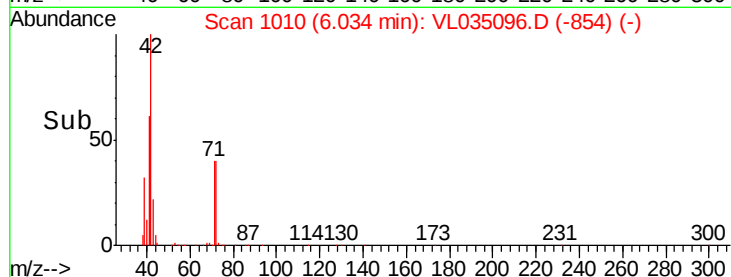
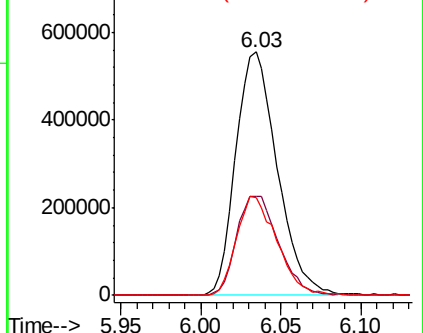
71 39.7 31.8 47.6



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: 9.109 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

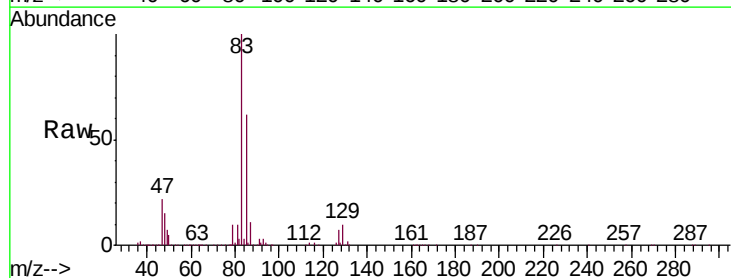
Tgt Ion: 83 Resp: 2031371

Ion Ratio Lower Upper

83 100

85 61.7 49.4 74.0

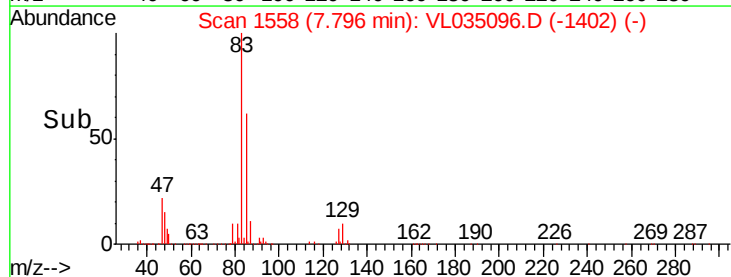
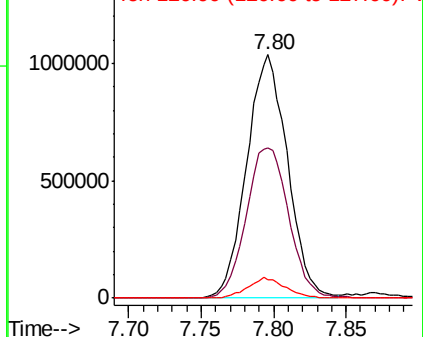
127 7.4 5.9 8.9

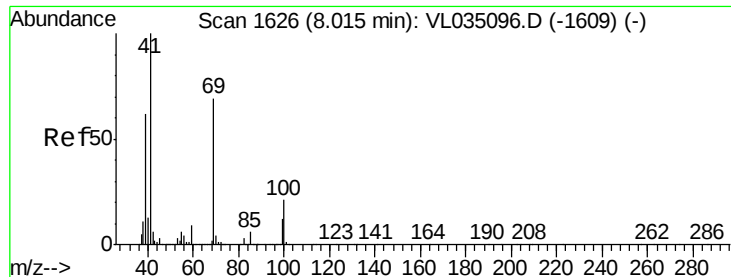


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

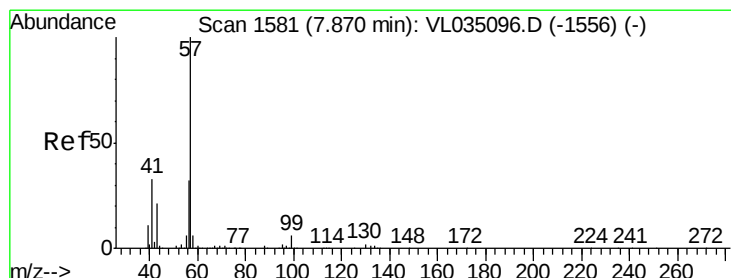
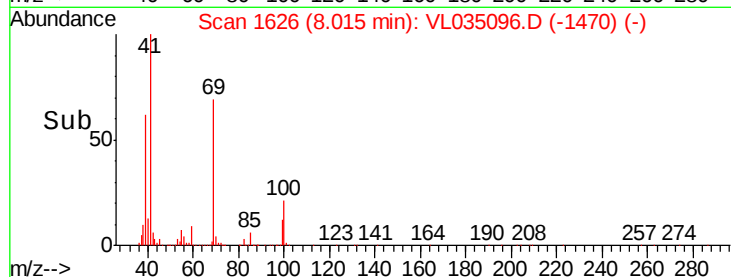
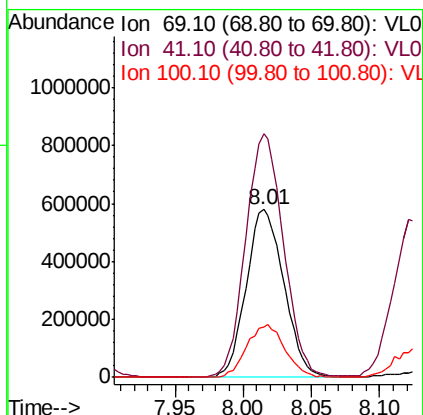
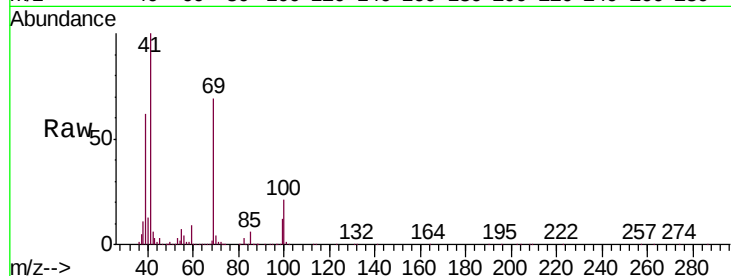




#43
Methyl Methacrylate
Concen: 9.864 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

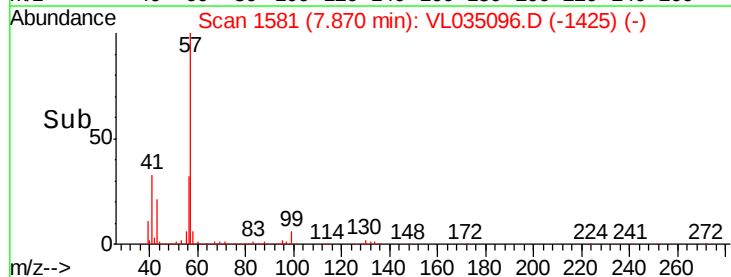
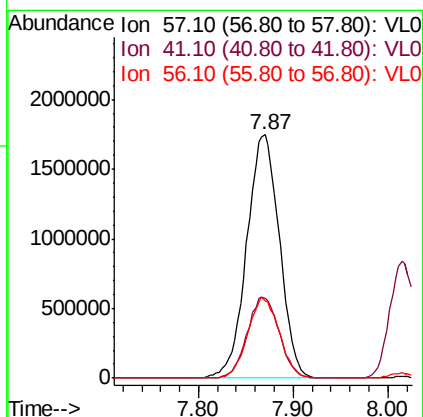
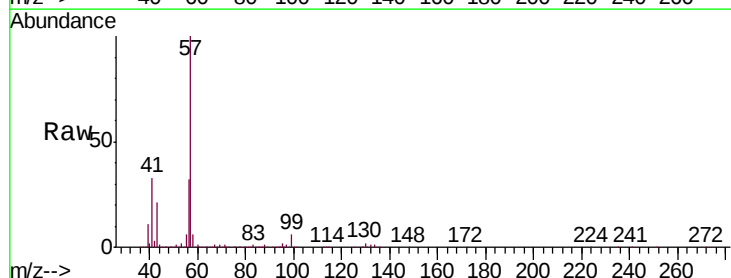
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

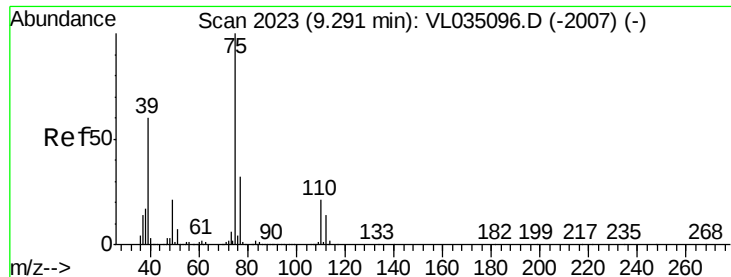
Tgt Ion: 69 Resp: 1113696
Ion Ratio Lower Upper
69 100
41 145.4 116.4 174.6
100 31.5 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 8.796 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 57 Resp: 4180674
Ion Ratio Lower Upper
57 100
41 32.6 26.2 39.2
56 31.8 25.4 38.2

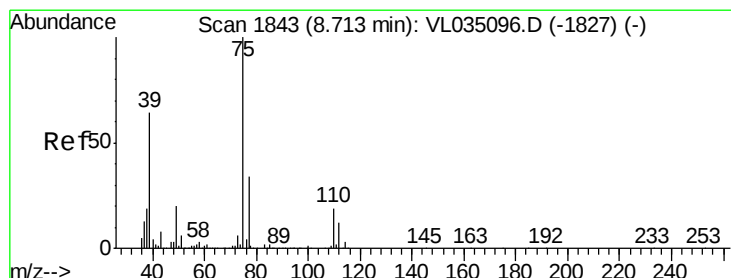
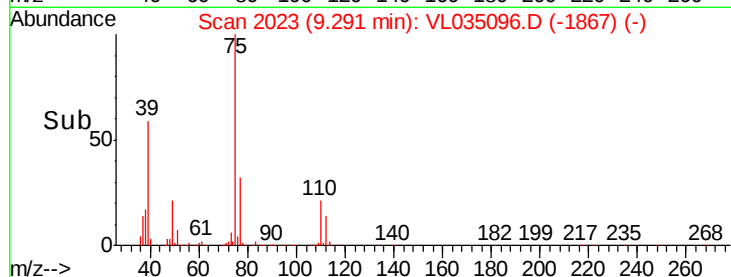
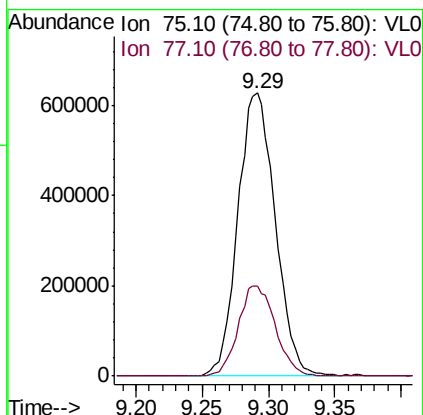
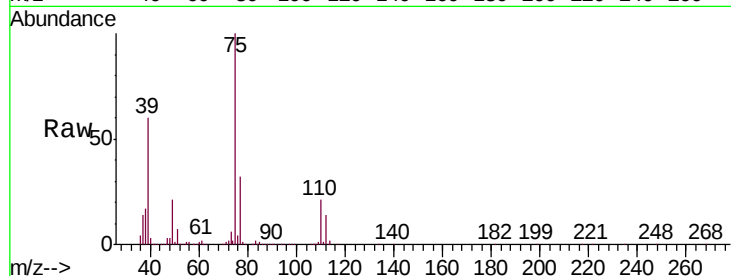




#45
t-1,3-Dichloropropene
Concen: 10.870 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

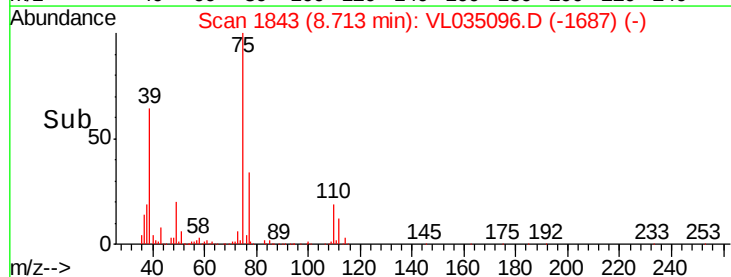
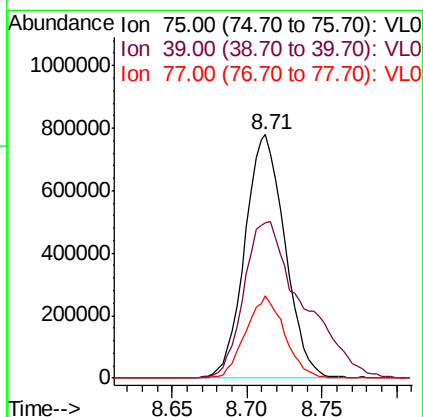
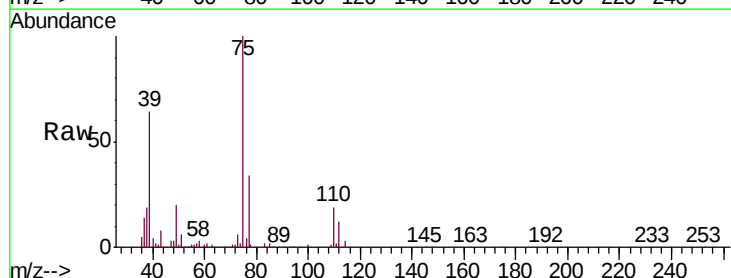
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

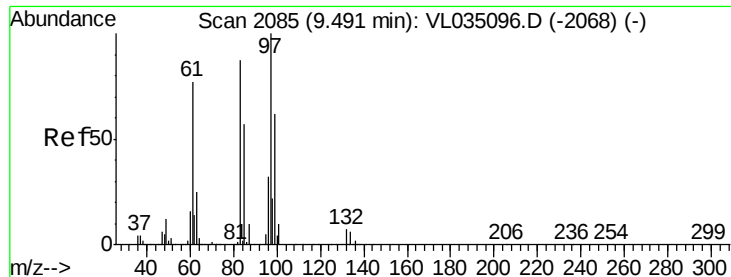
Tgt Ion: 75 Resp: 1232055
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3



#46
cis-1,3-Dichloropropene
Concen: 10.423 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 75 Resp: 1453228
Ion Ratio Lower Upper
75 100
39 63.9 51.1 76.7
77 33.6 26.9 40.3

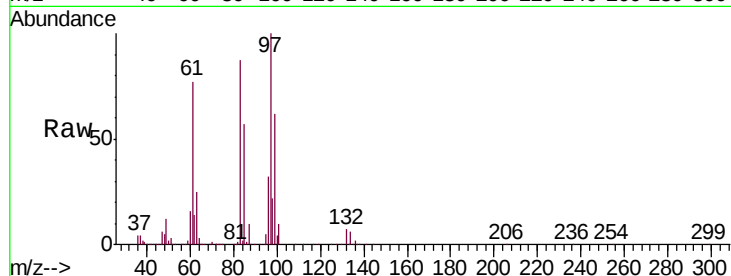




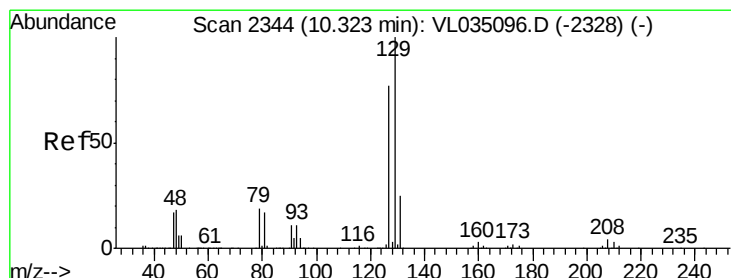
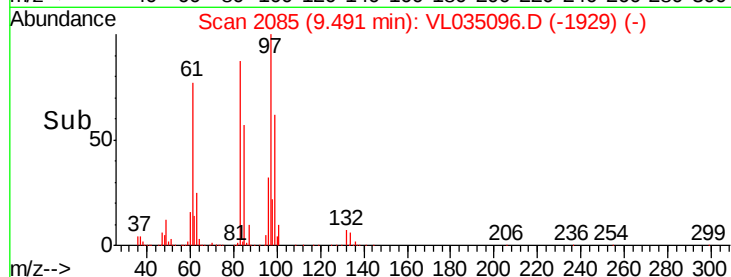
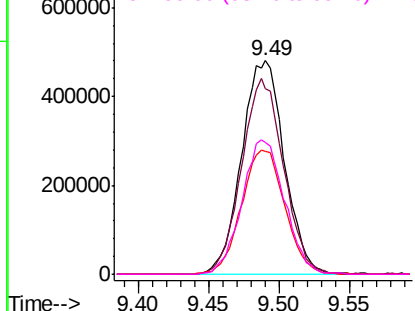
#47
 1,1,2-Trichloroethane
 Concen: 8.984 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:	97	Resp:	1020111
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	57.5	46.0	69.0
99	62.0	49.6	74.4

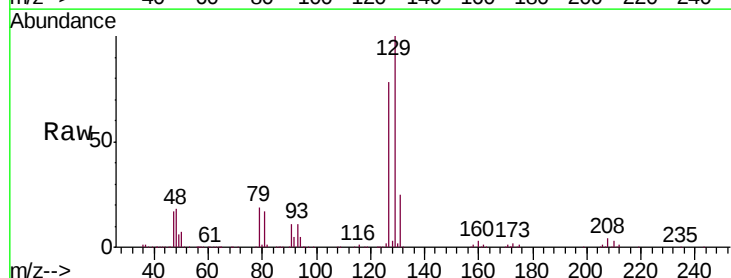


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

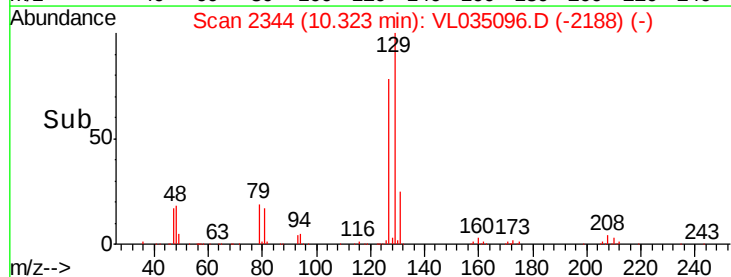
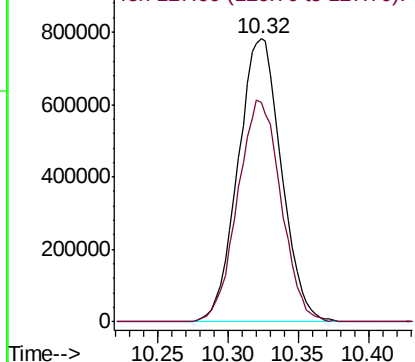


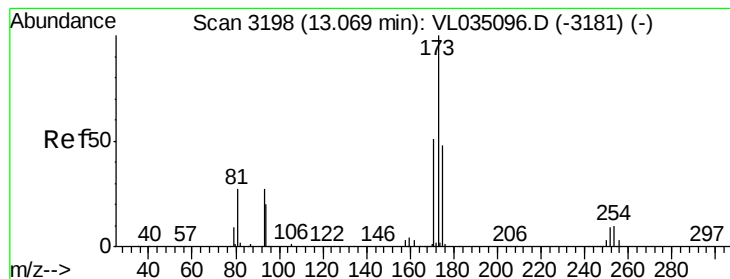
#48
 Dibromochloromethane
 Concen: 9.666 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion:	129	Resp:	1683902
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.821 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

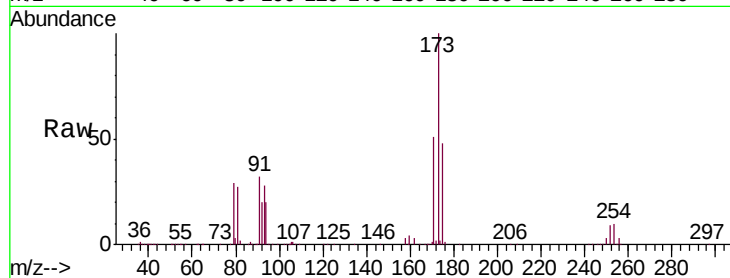
Tgt Ion:173 Resp: 1467092

Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

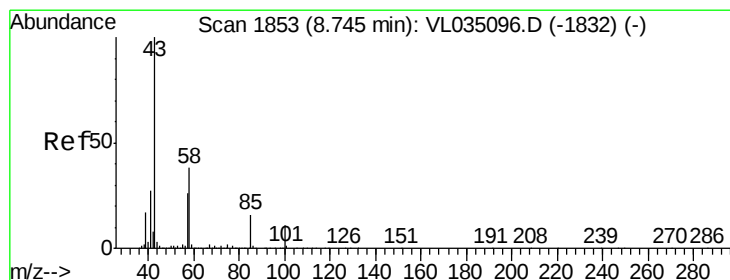
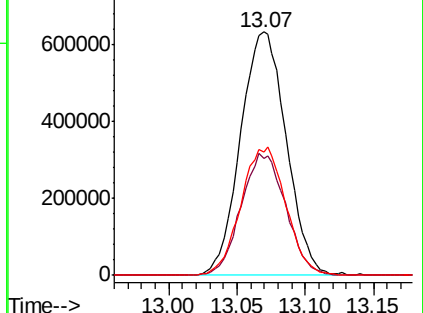
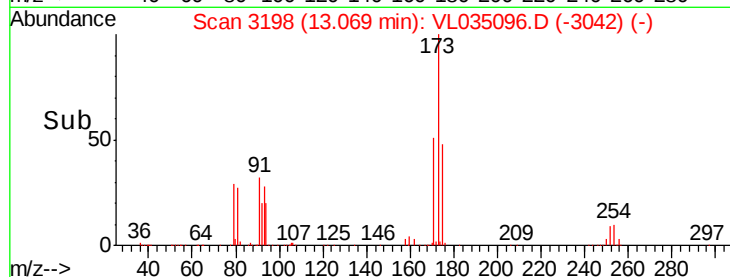
171 52.0 41.7 62.5



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: 9.132 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL035096.D

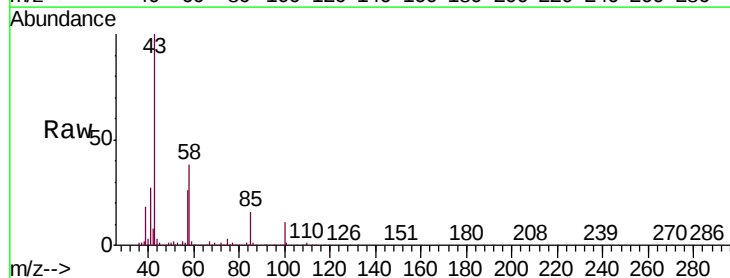
Acq: 19 Jun 2020 15:52

Tgt Ion: 43 Resp: 2612411

Ion Ratio Lower Upper

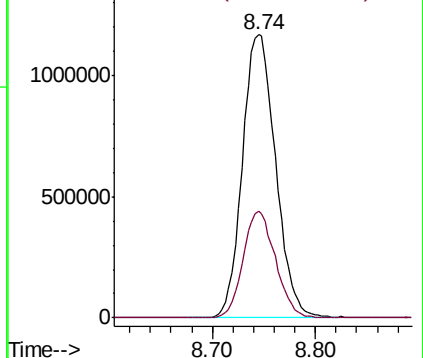
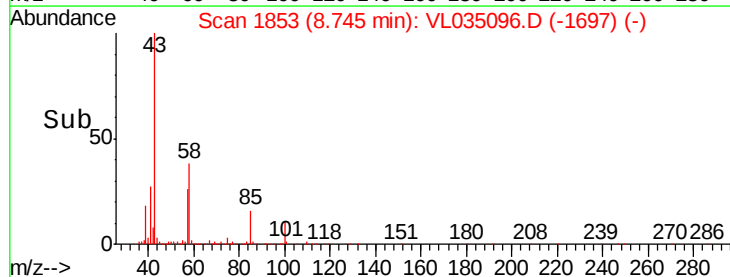
43 100

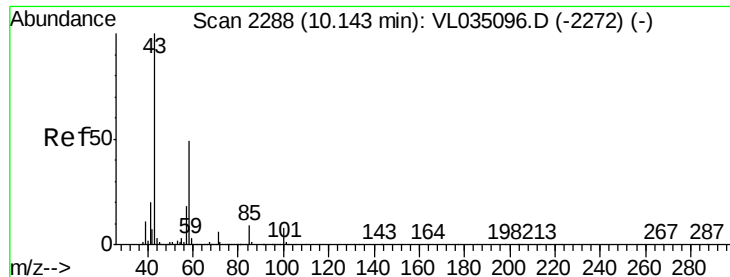
58 36.7 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

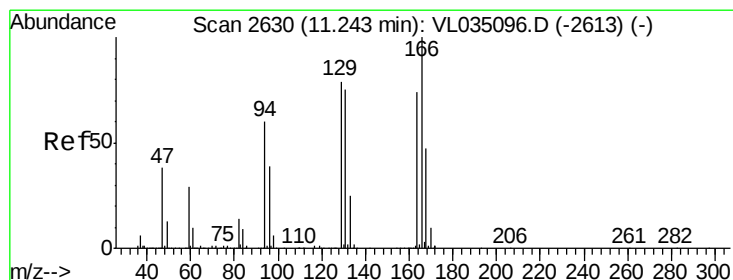
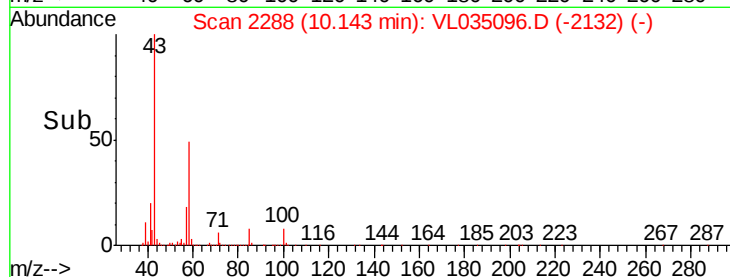
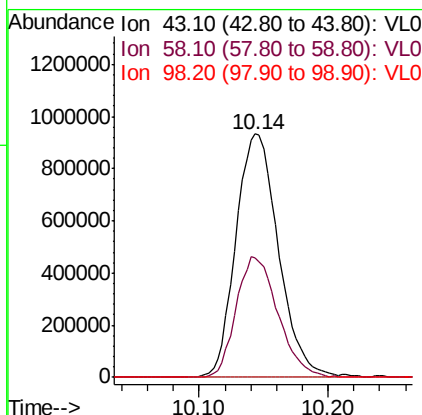
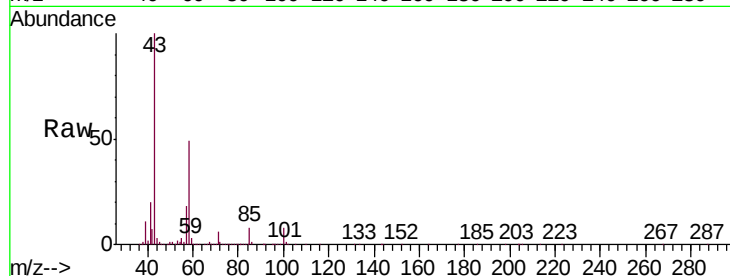




#51
2-Hexanone
Concen: 9.572 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

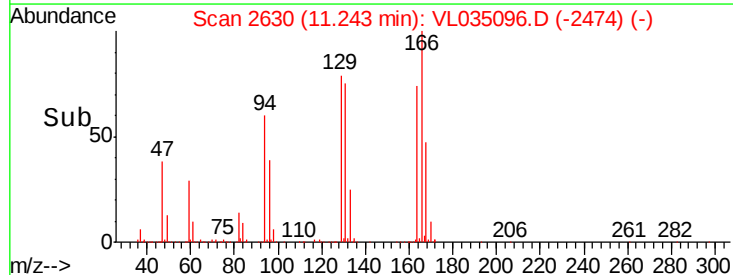
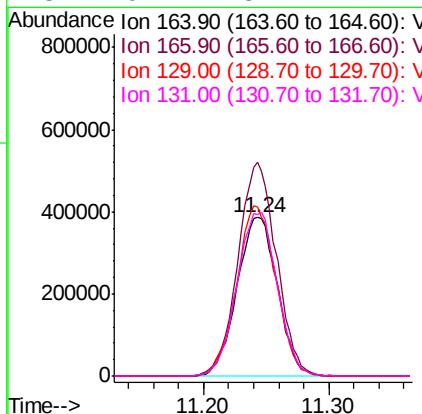
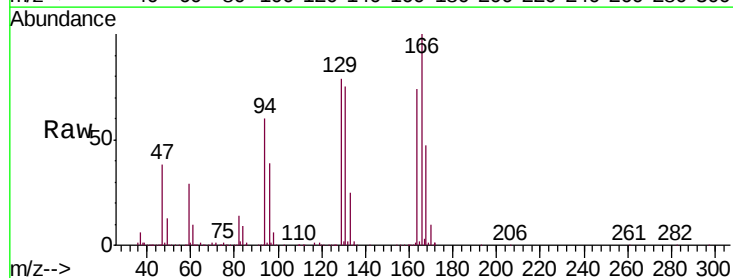
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

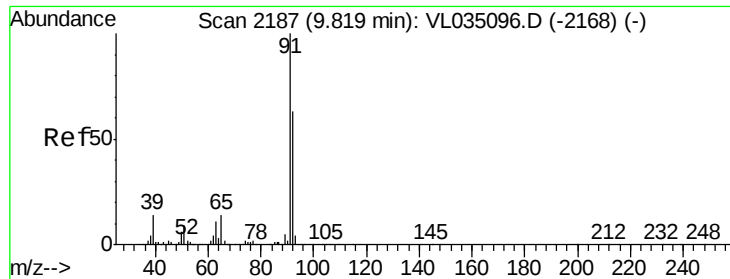
Tgt Ion: 43 Resp: 2136669
Ion Ratio Lower Upper
43 100
58 49.1 39.2 58.8
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.016 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 164 Resp: 860749
Ion Ratio Lower Upper
164 100
166 134.4 107.5 161.3
129 106.1 84.9 127.3
131 101.4 81.1 121.7





#53

Toluene

Concen: 9.912 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

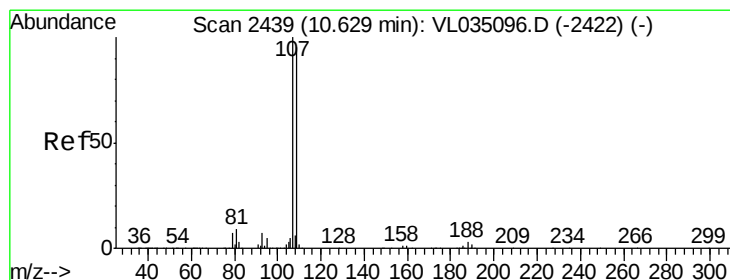
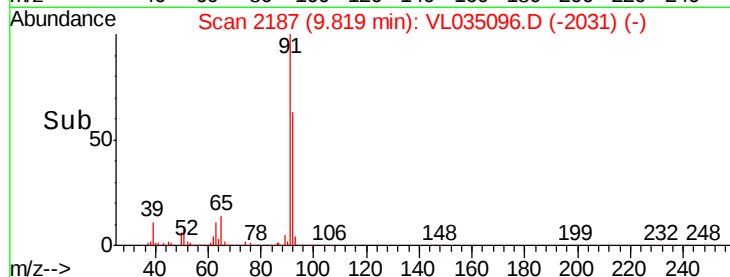
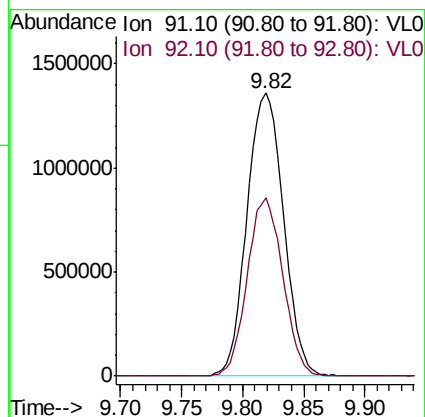
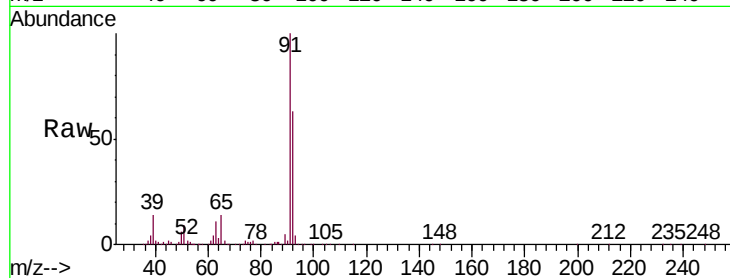
VSTDICCC010

Tgt Ion: 91 Resp: 2813840

Ion Ratio Lower Upper

91 100

92 61.3 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.231 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035096.D

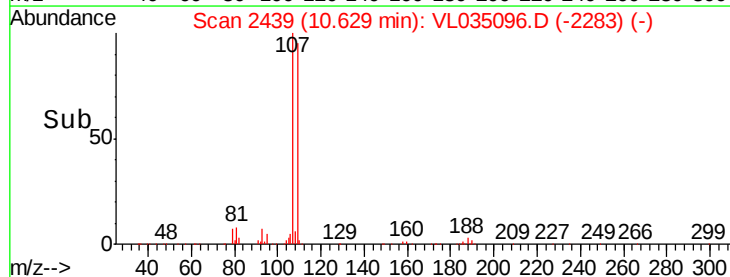
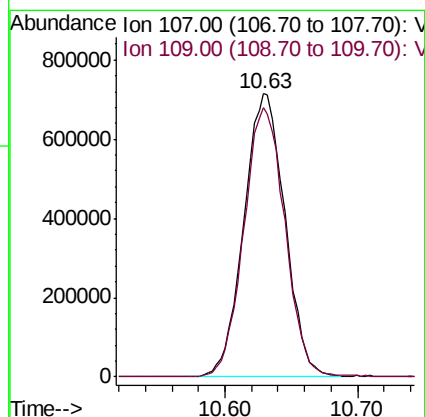
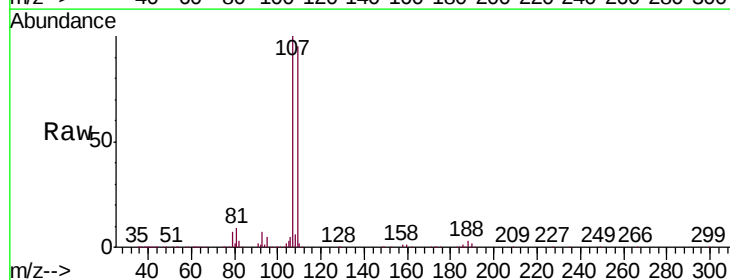
Acq: 19 Jun 2020 15:52

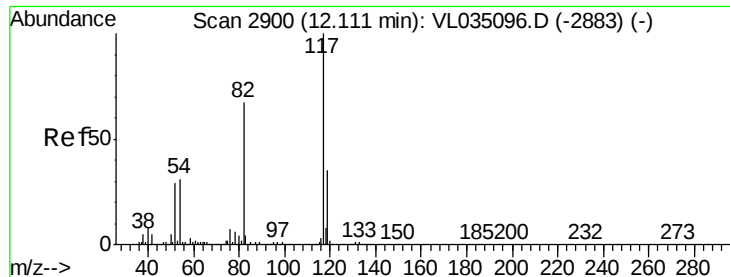
Tgt Ion: 107 Resp: 1536197

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9

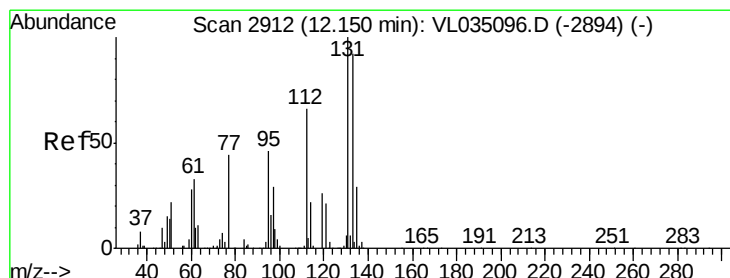
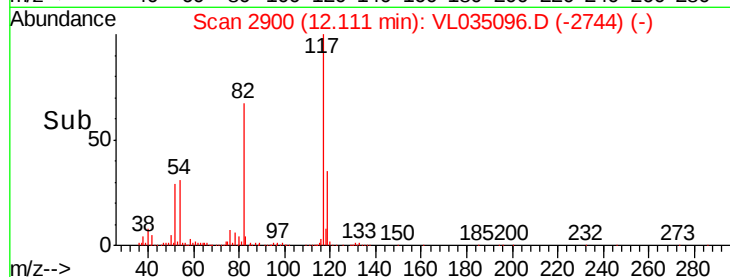
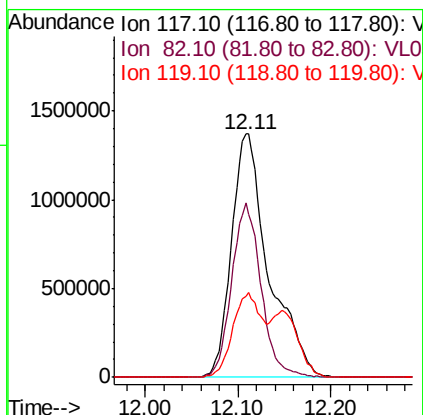
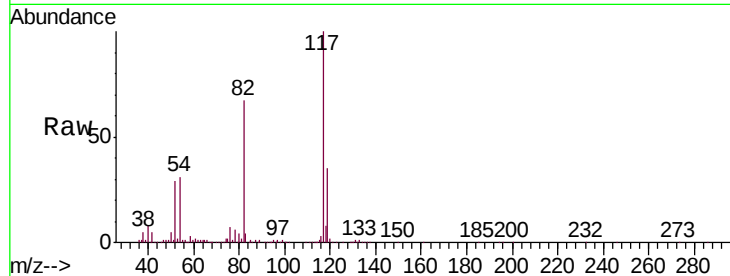




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

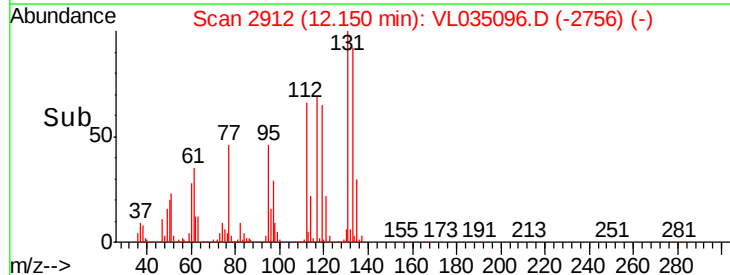
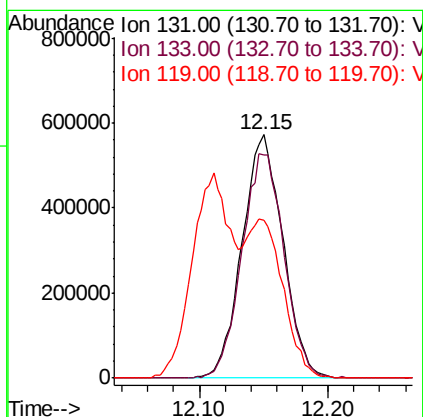
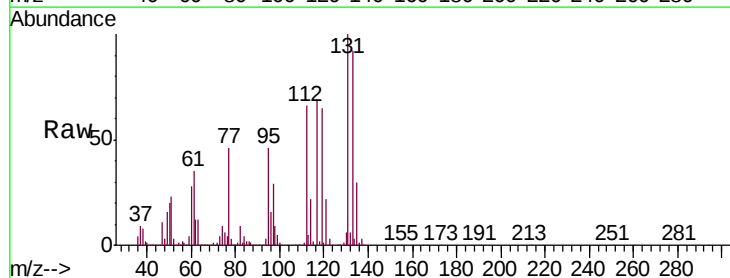
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

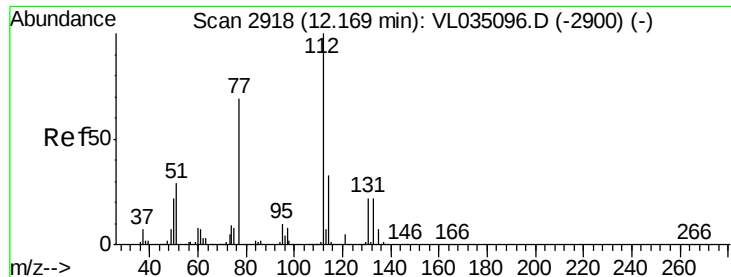
Tgt Ion:117 Resp: 3832903
Ion Ratio Lower Upper
117 100
82 56.4 50.4 75.6
119 28.4 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 7.380 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion:131 Resp: 1261966
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 56.7 114.6 172.0#

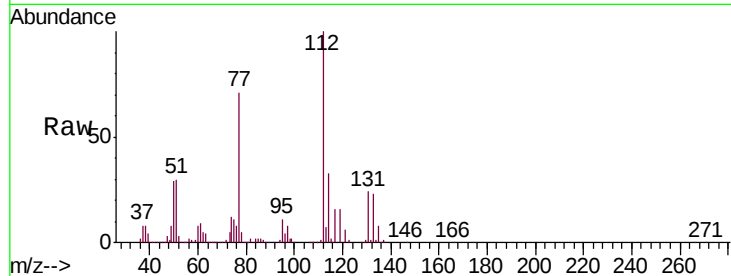




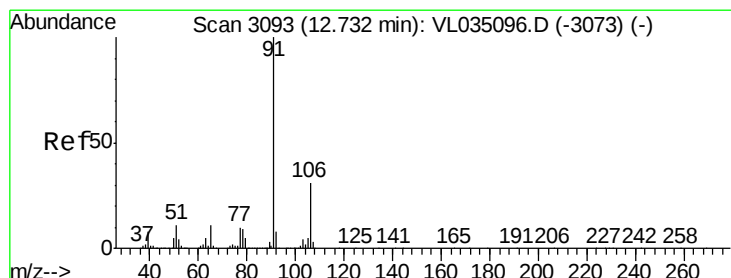
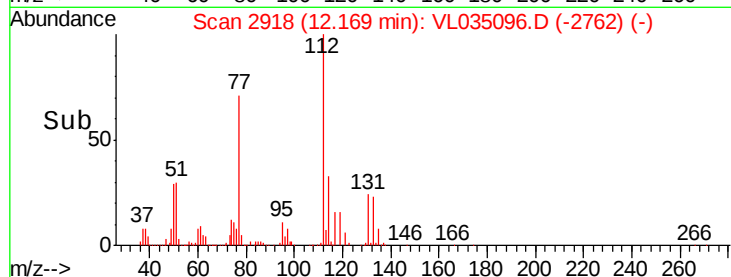
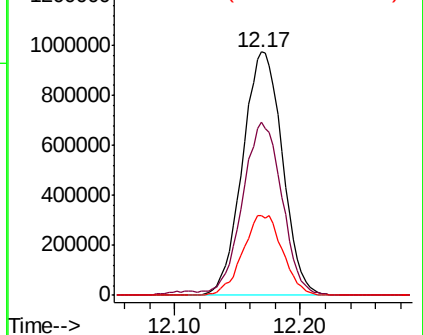
#57
Chlorobenzene
Concen: 7.132 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 112 Resp: 2146583
Ion Ratio Lower Upper
112 100
77 70.9 56.7 85.1
114 32.6 29.3 35.9

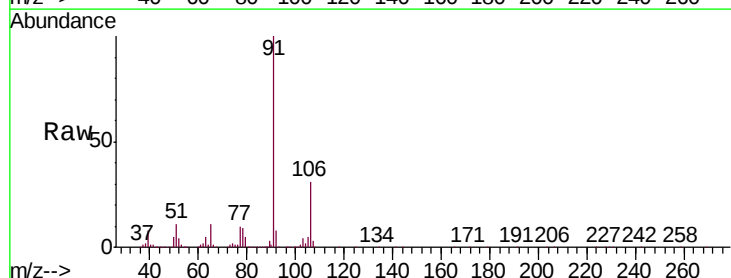


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

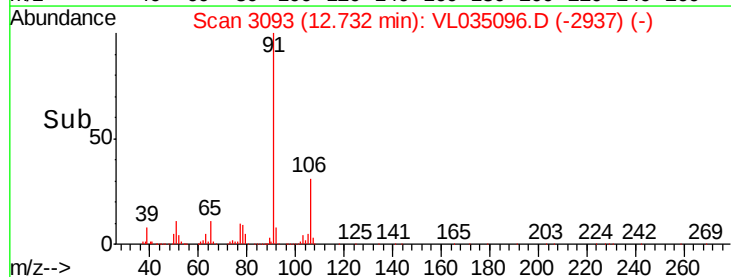
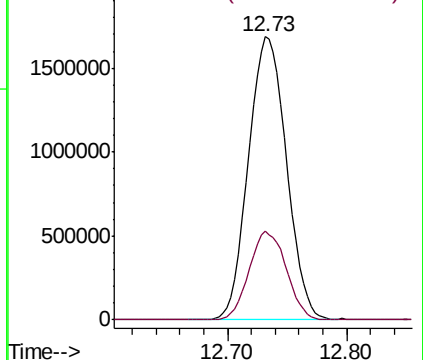


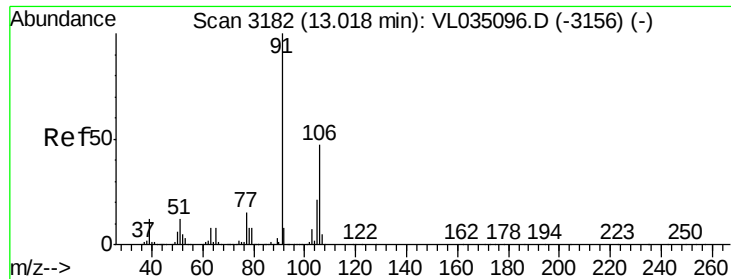
#58
Ethyl Benzene
Concen: 8.006 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 91 Resp: 3735346
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



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





#59

m/p-Xylene

Concen: 7.123 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

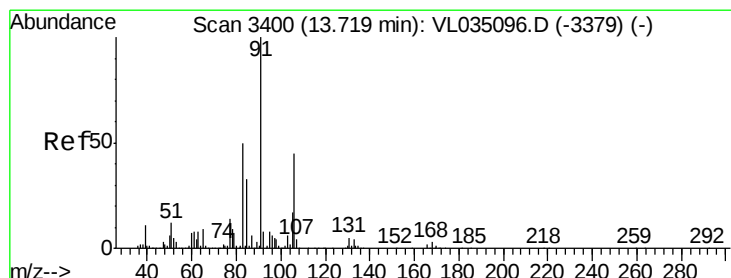
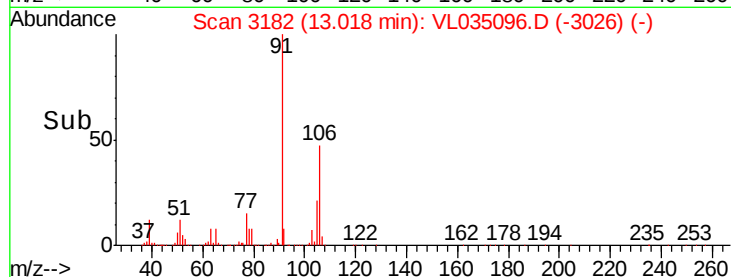
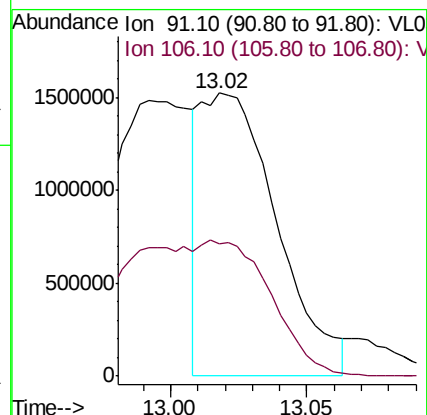
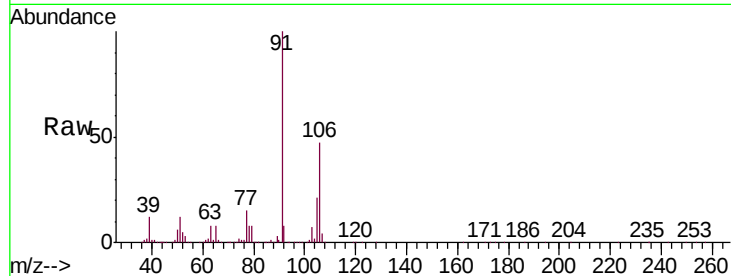
VSTDICCC010

Tgt Ion: 91 Resp: 2930820

Ion Ratio Lower Upper

91 100

106 96.8 36.5 54.7#



#60

o-Xylene

Concen: 7.594 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL035096.D

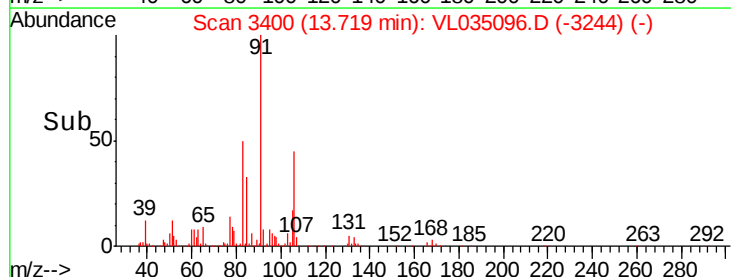
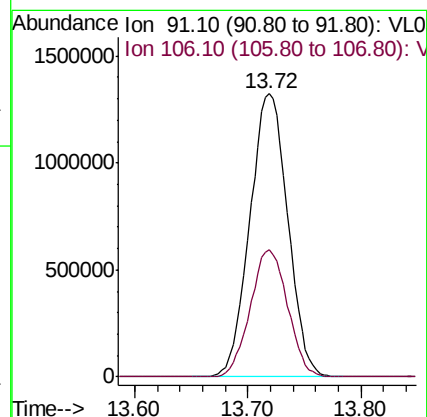
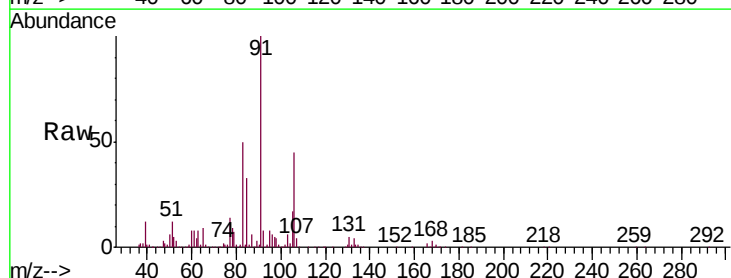
Acq: 19 Jun 2020 15:52

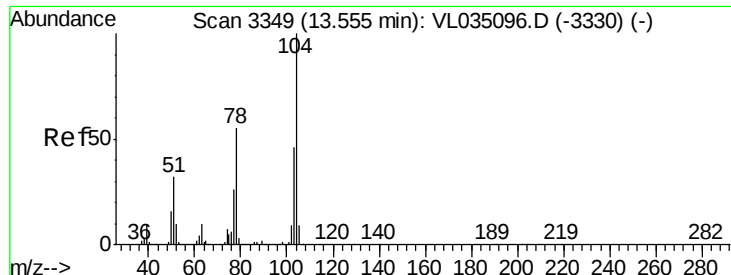
Tgt Ion: 91 Resp: 3085379

Ion Ratio Lower Upper

91 100

106 44.3 22.1 66.5





#61

Styrene

Concen: 8.576 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

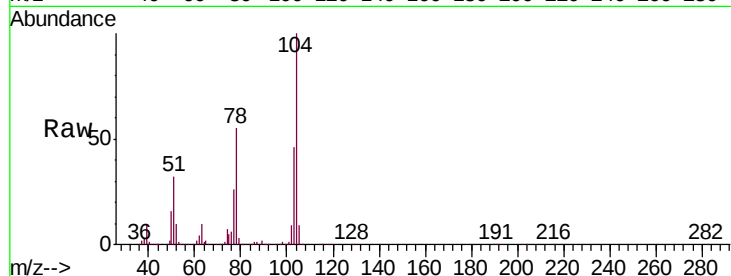
Tgt Ion:104 Resp: 2198447

Ion Ratio Lower Upper

104 100

78 54.2 43.4 65.0

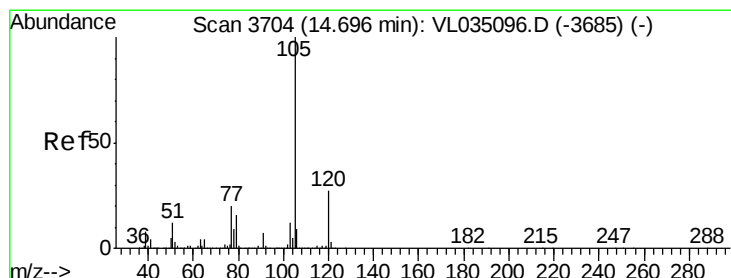
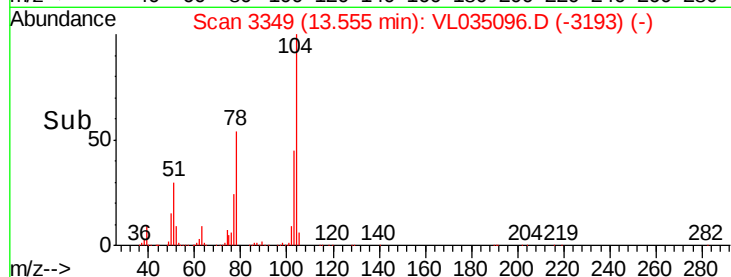
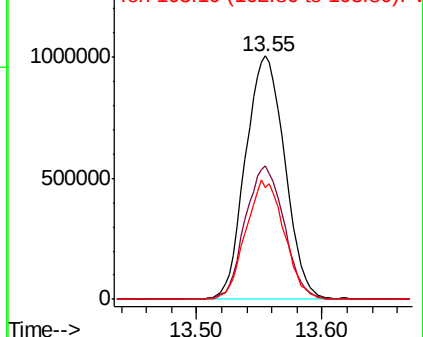
103 47.9 38.3 57.5



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: 7.437 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL035096.D

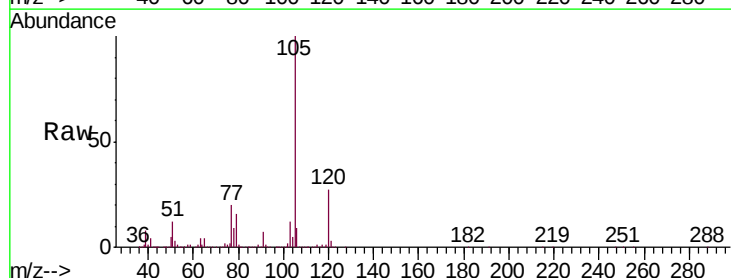
Acq: 19 Jun 2020 15:52

Tgt Ion:105 Resp: 4503067

Ion Ratio Lower Upper

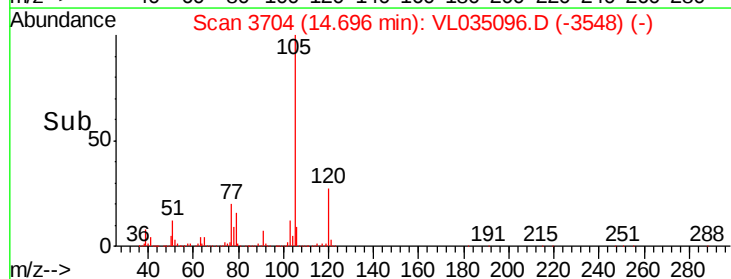
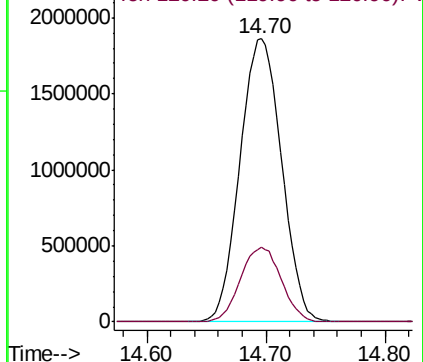
105 100

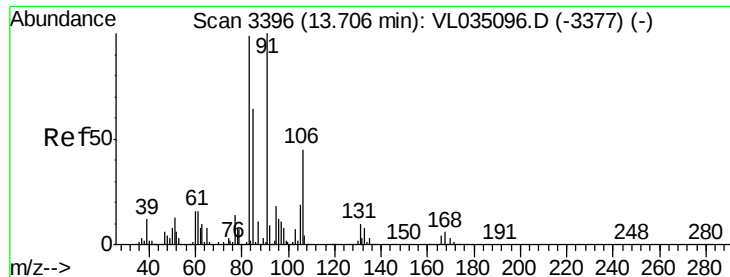
120 26.0 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

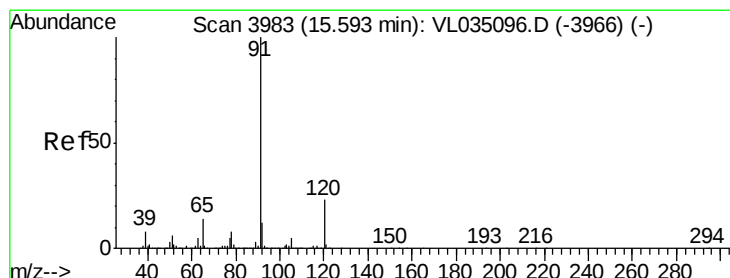
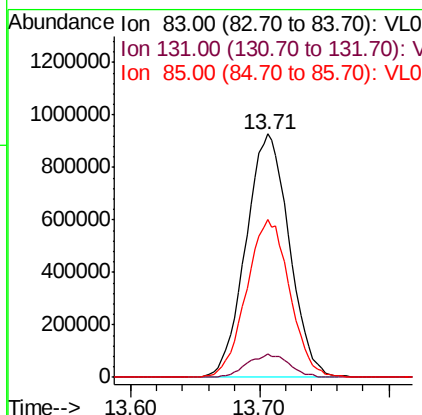
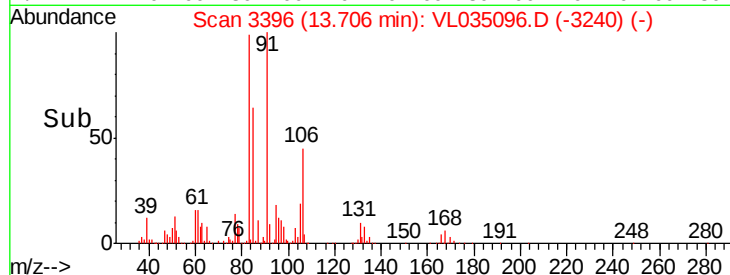
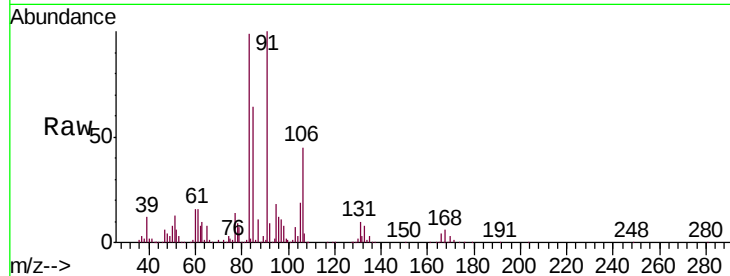




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.755 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

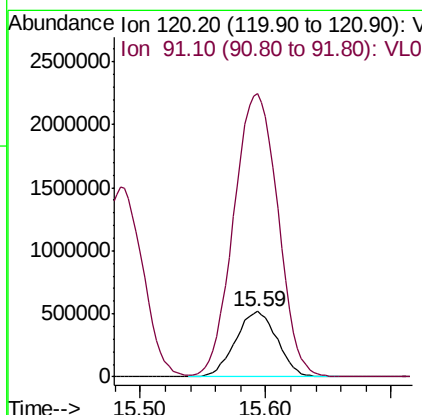
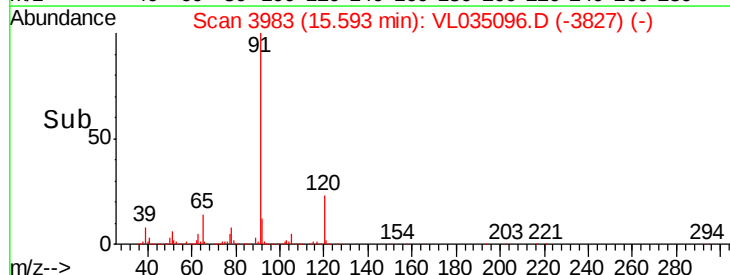
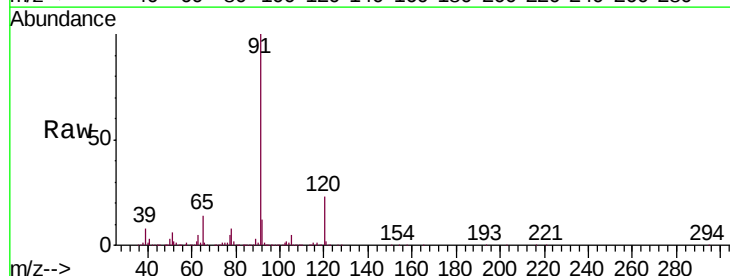
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

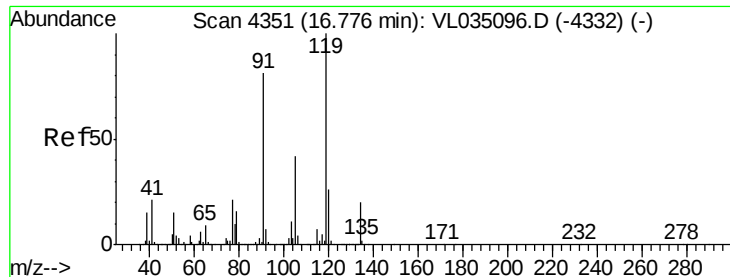
Tgt Ion: 83 Resp: 2169770
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.7 32.4 97.0



#64
 n-propylbenzene
 Concen: 7.706 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 120 Resp: 1199207
 Ion Ratio Lower Upper
 120 100
 91 460.0 367.9 551.9

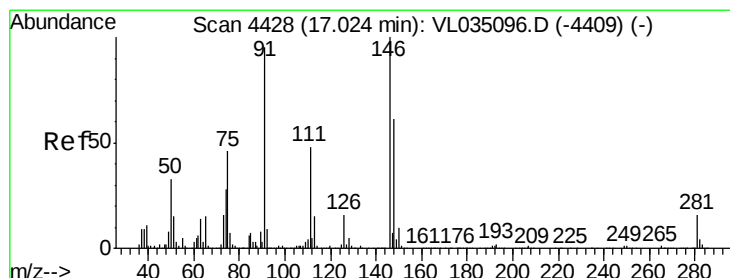
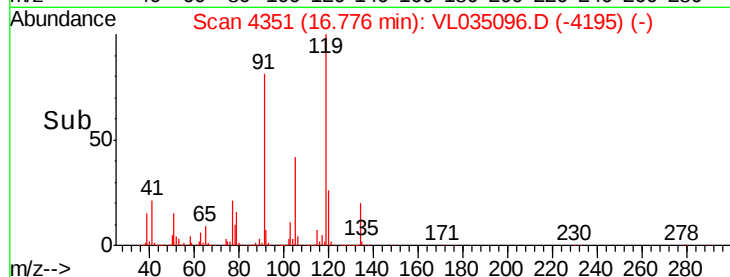
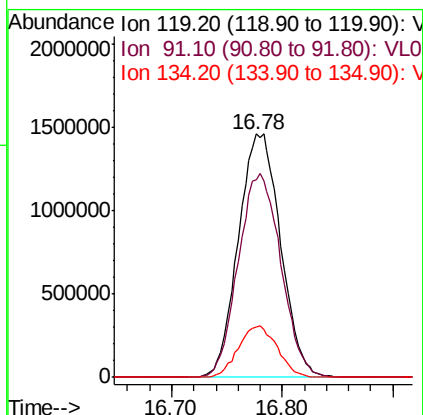
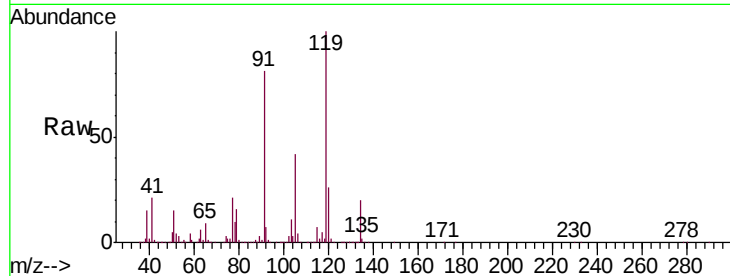




#65
 tert-Butylbenzene
 Concen: 7.379 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

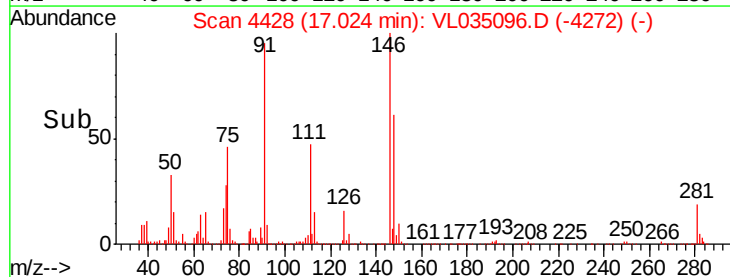
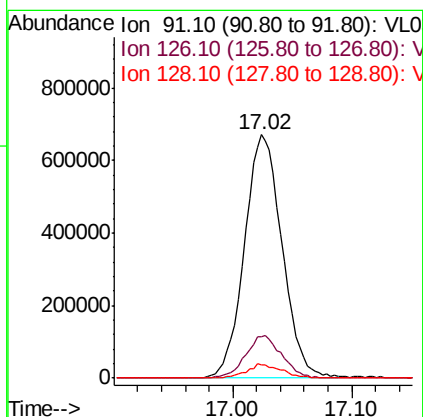
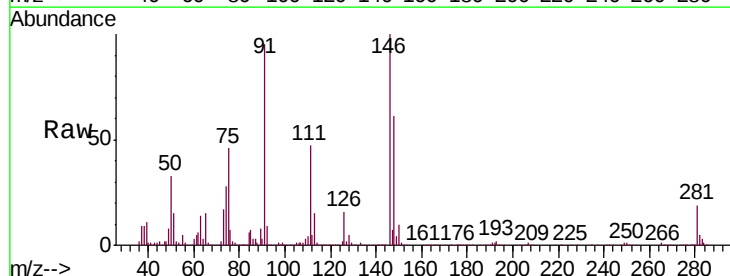
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

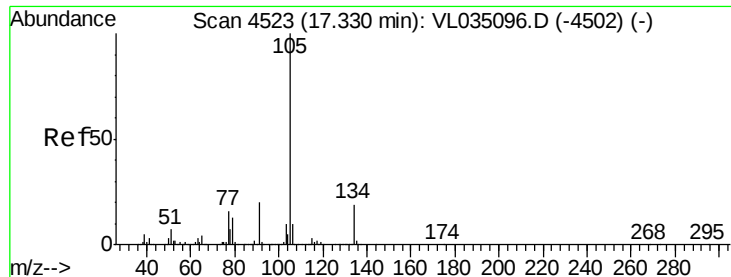
Tgt Ion: 119 Resp: 3885407
 Ion Ratio Lower Upper
 119 100
 91 84.5 67.6 101.4
 134 19.6 15.7 23.5



#66
 Benzyl Chloride
 Concen: 8.372 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 91 Resp: 1461563
 Ion Ratio Lower Upper
 91 100
 126 16.9 13.5 20.3
 128 5.4 4.3 6.5

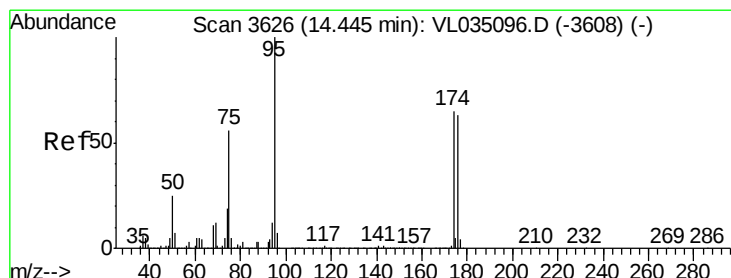
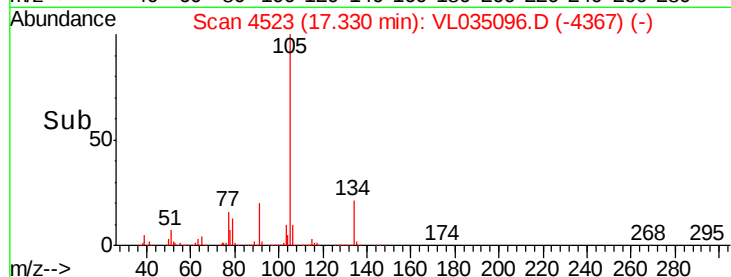
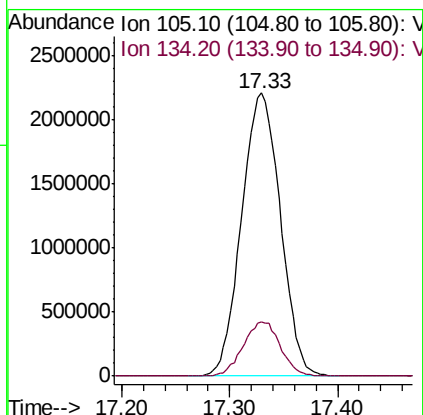
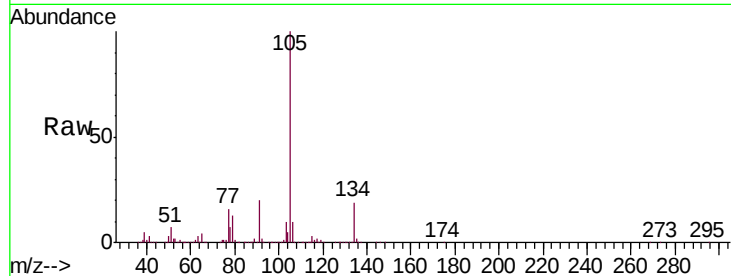




#67
 sec-Butylbenzene
 Concen: 7.355 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

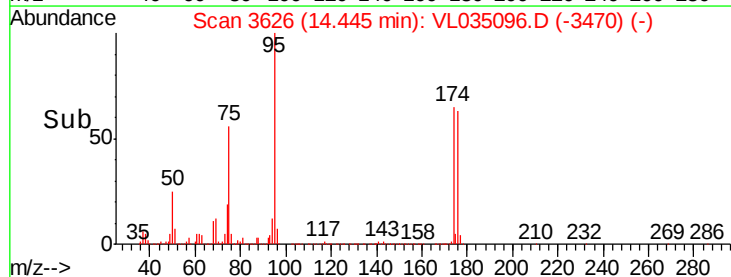
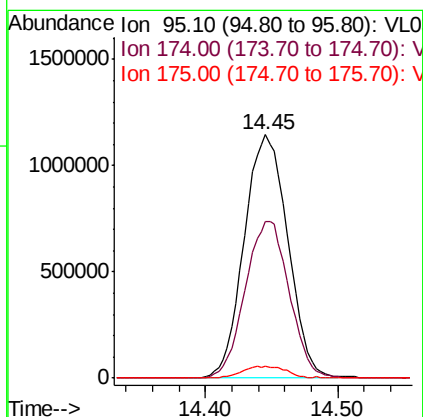
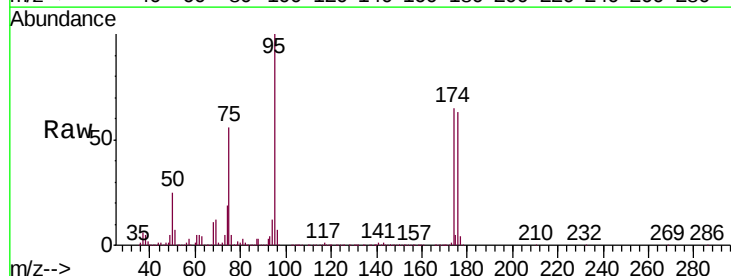
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

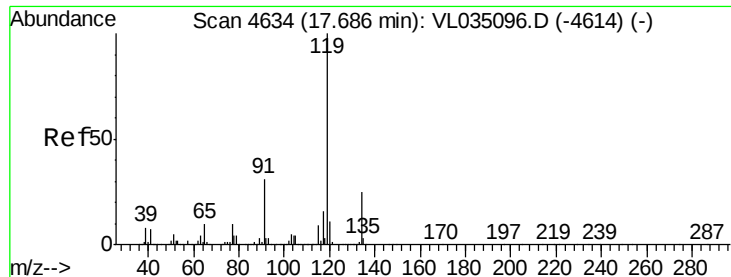
Tgt Ion: 105 Resp: 5519219
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.482 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 95 Resp: 2621126
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.2 78.2
 175 5.0 4.0 6.0

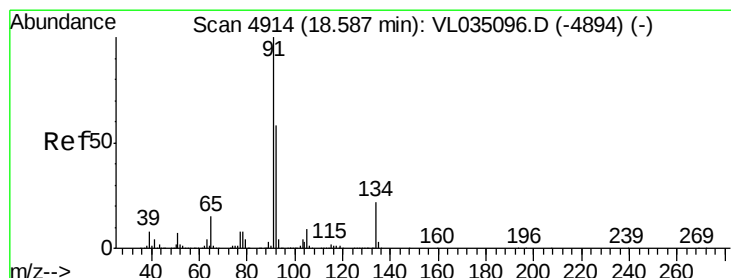
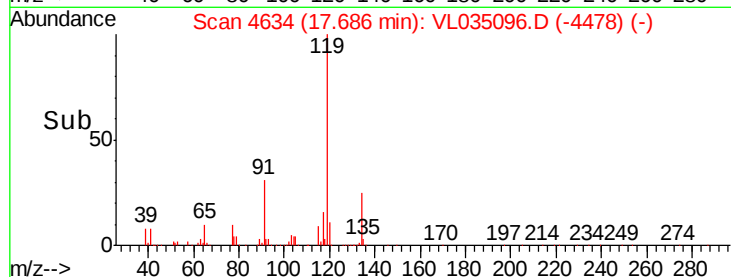
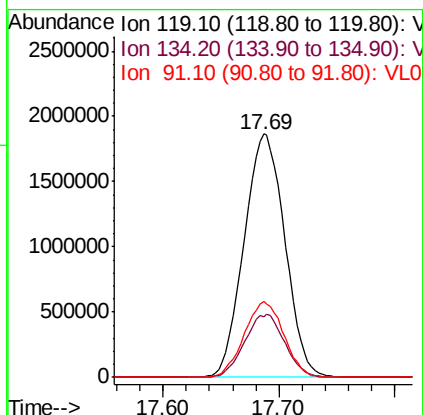
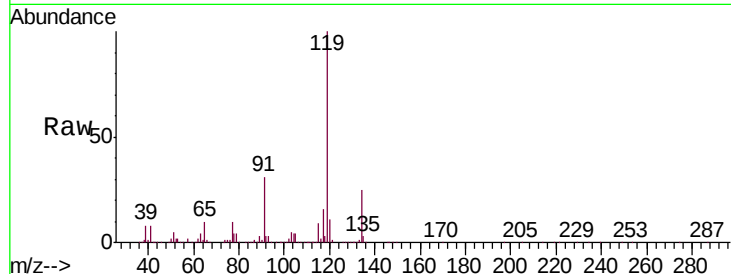




#69
p-Isopropyltoluene
Concen: 7.490 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

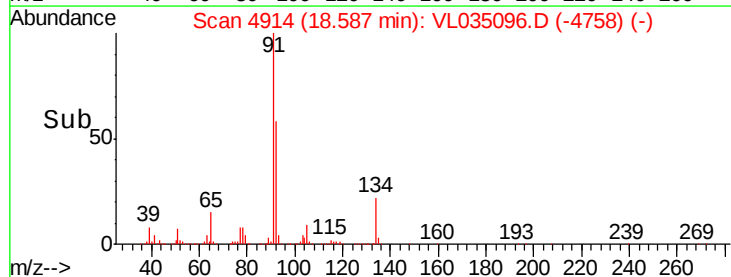
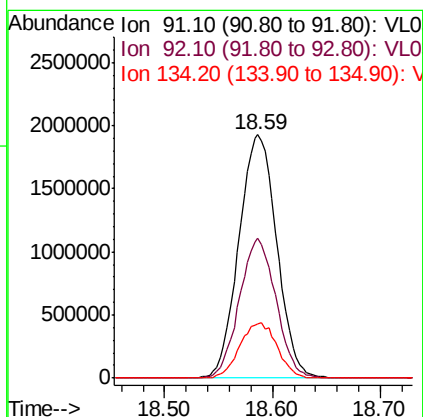
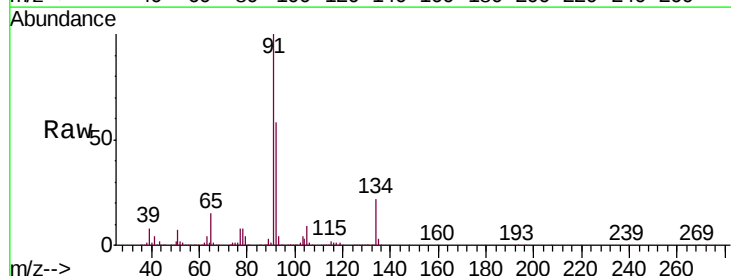
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

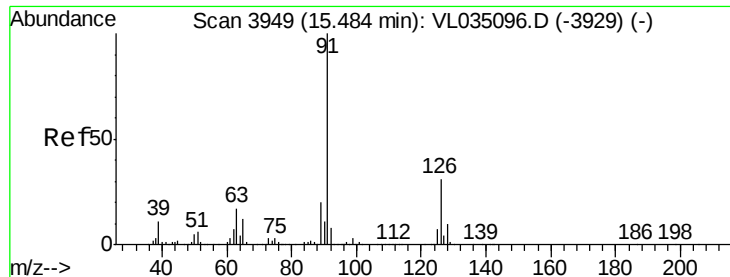
Tgt Ion: 119 Resp: 4544915
Ion Ratio Lower Upper
119 100
134 25.5 20.4 30.6
91 30.6 24.5 36.7



#70
n-Butylbenzene
Concen: 7.297 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 91 Resp: 4705521
Ion Ratio Lower Upper
91 100
92 55.5 44.4 66.6
134 22.5 18.0 27.0





#71

2-Chlorotoluene

Concen: 7.676 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

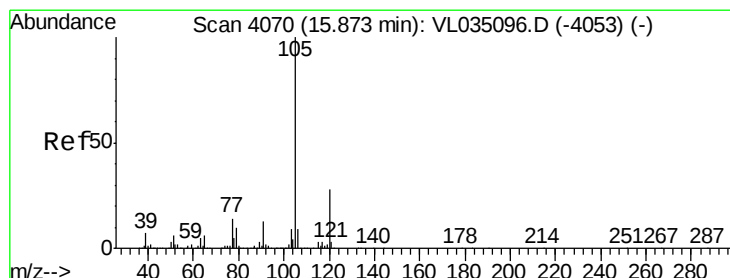
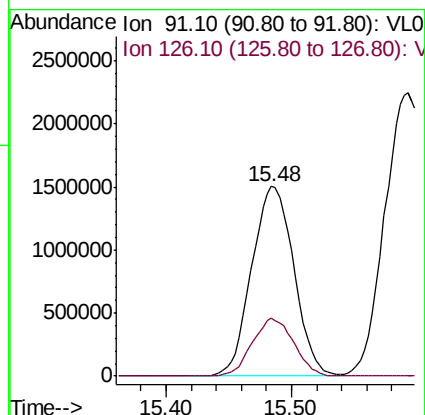
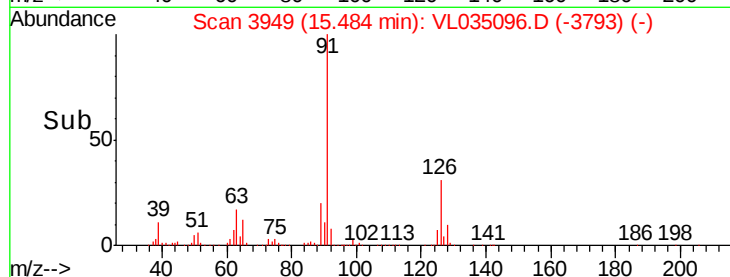
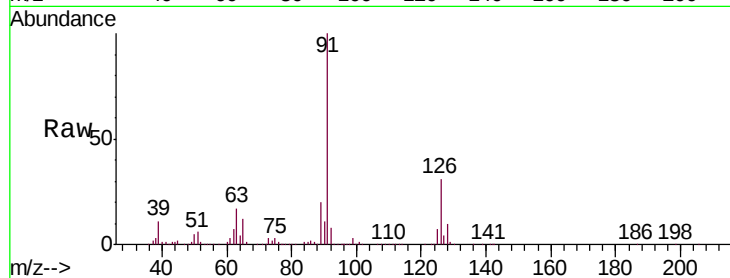
VSTDICCC010

Tgt Ion: 91 Resp: 3511681

Ion Ratio Lower Upper

91 100

126 30.0 12.0 48.0



#72

4-Ethyltoluene

Concen: 7.882 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Tgt Ion: 105 Resp: 3575736

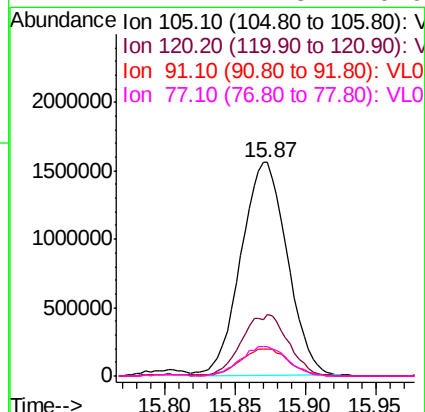
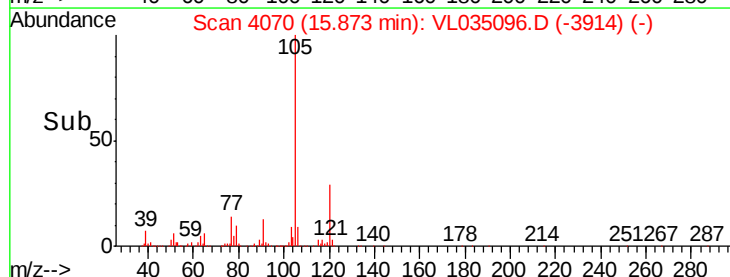
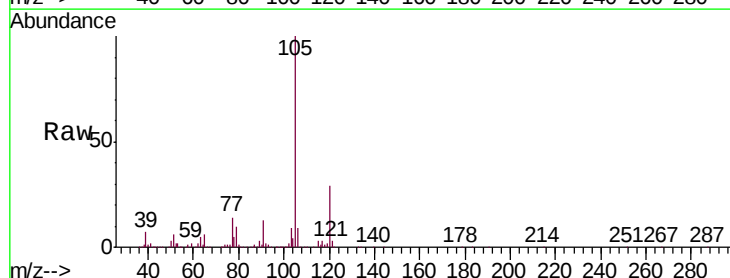
Ion Ratio Lower Upper

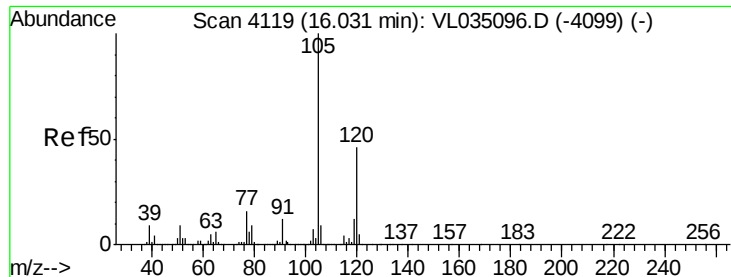
105 100

120 29.2 23.4 35.0

91 13.3 10.6 16.0

77 14.1 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 7.522 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

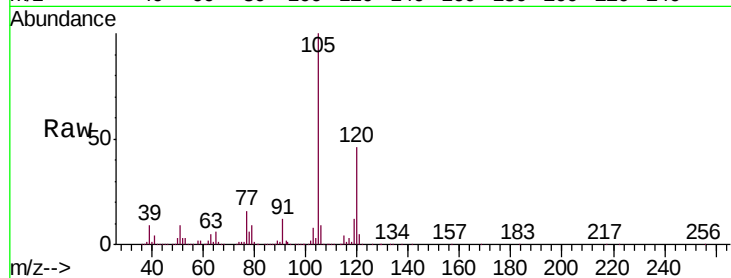
VSTDICCC010

Tgt Ion:105 Resp: 3309621

Ion Ratio Lower Upper

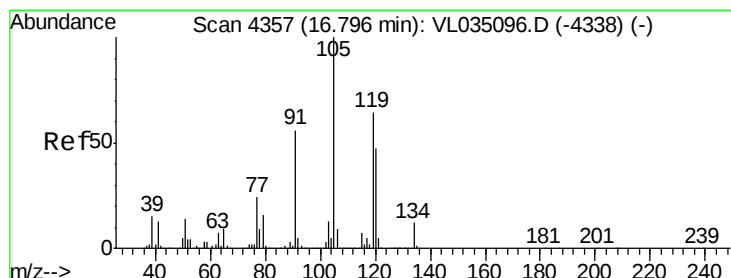
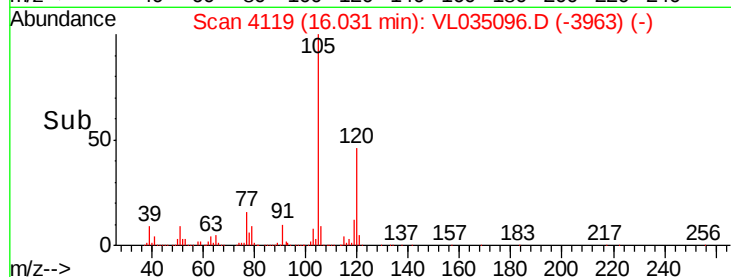
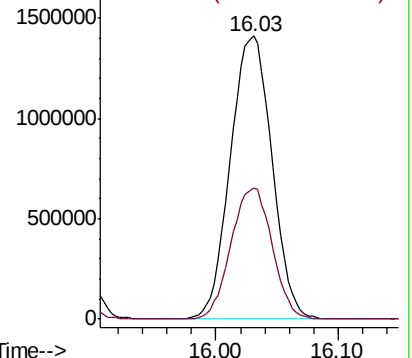
105 100

120 46.3 37.0 55.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.050 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Tgt Ion:105 Resp: 3386577

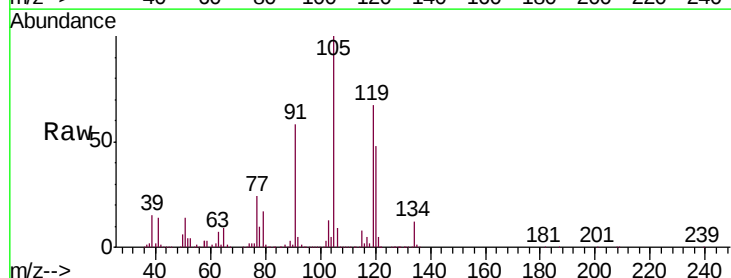
Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9

91 57.5 46.0 69.0

77 24.3 19.4 29.2

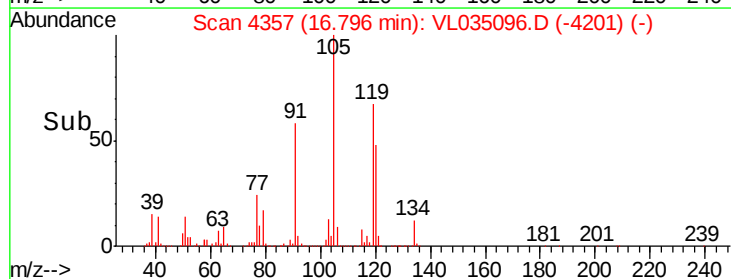
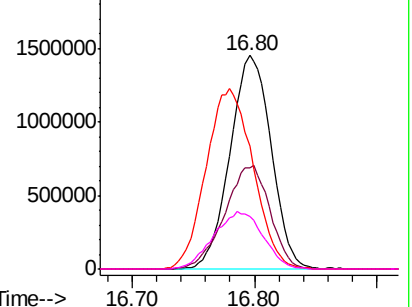


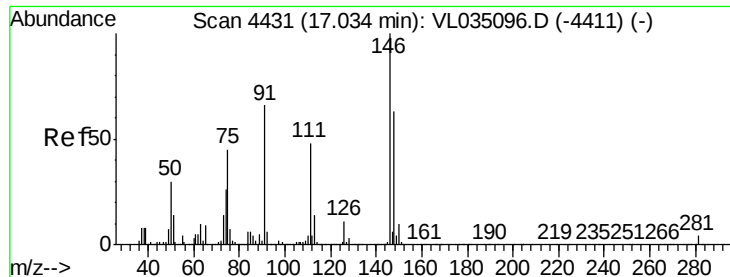
Abundance Ion 105.10 (104.80 to 105.80): V

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

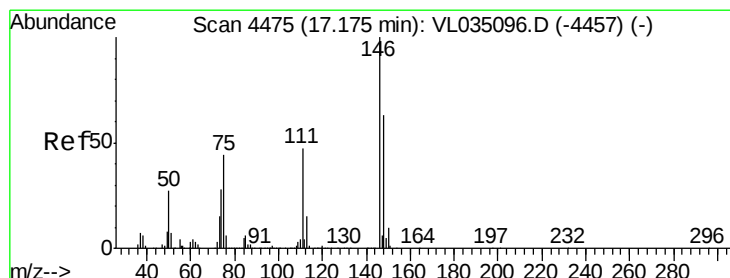
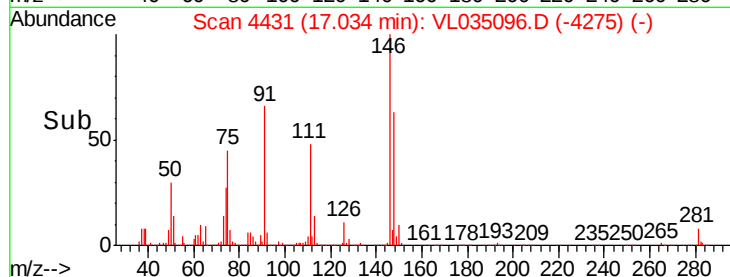
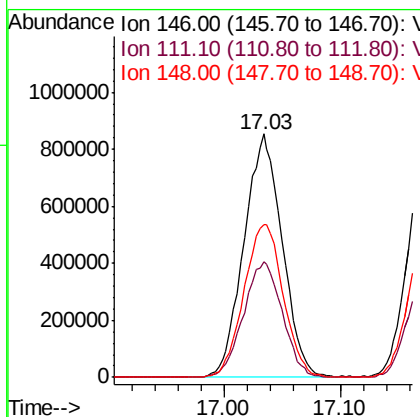
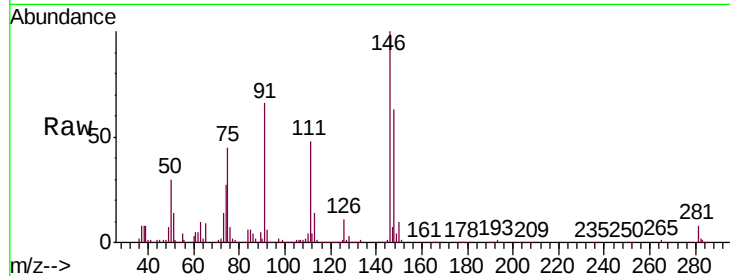




#75
 1,3-Dichlorobenzene
 Concen: 6.925 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

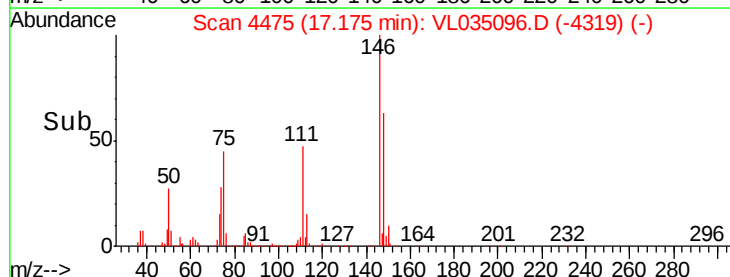
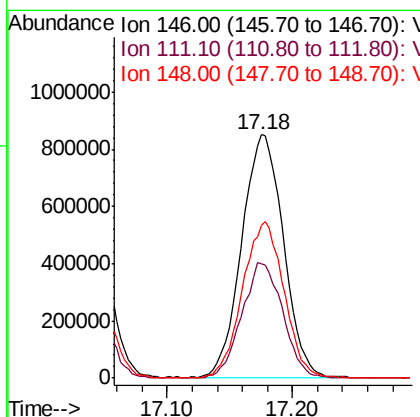
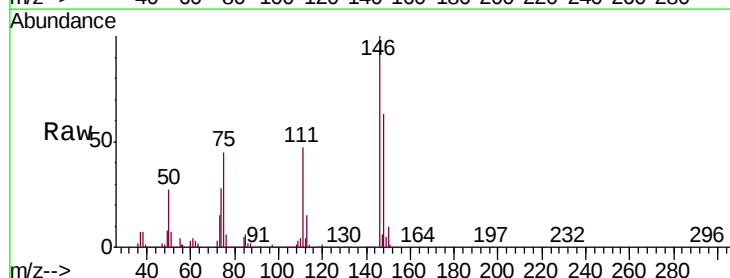
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

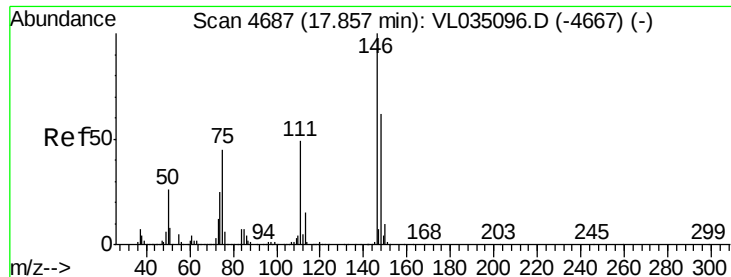
Tgt Ion:146 Resp: 1961180
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.1 72.4
 148 64.5 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 7.291 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion:146 Resp: 1959174
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.5 70.5
 148 64.1 32.0 96.2

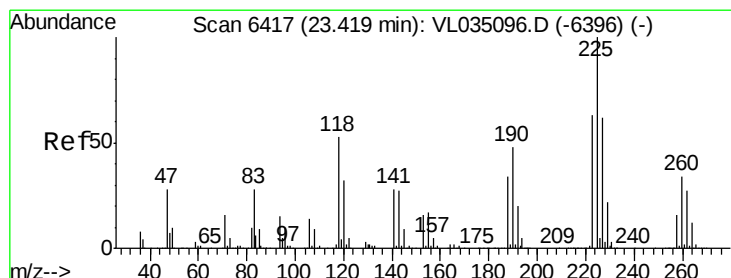
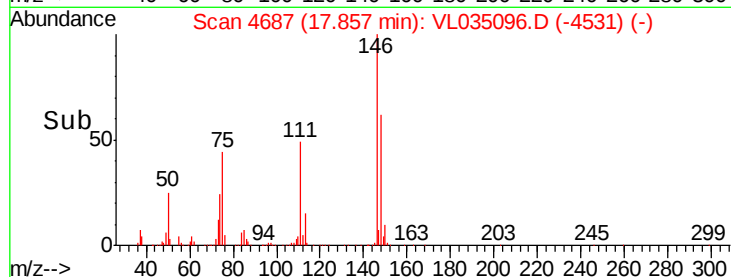
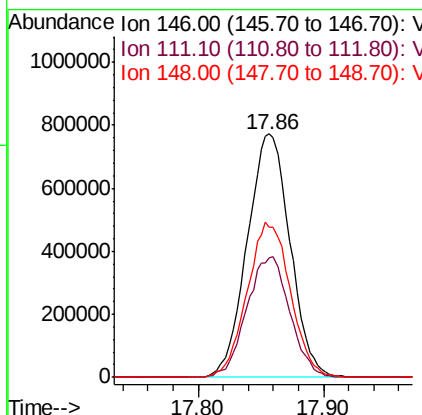
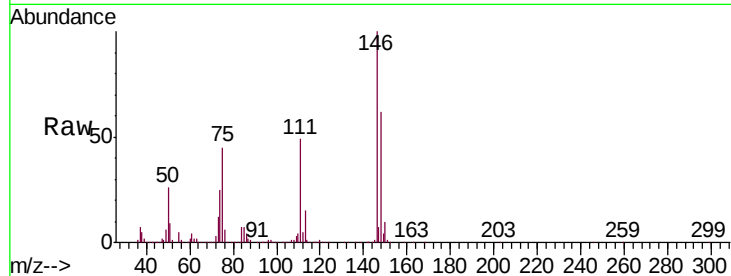




#77
 1,2-Dichlorobenzene
 Concen: 6.907 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

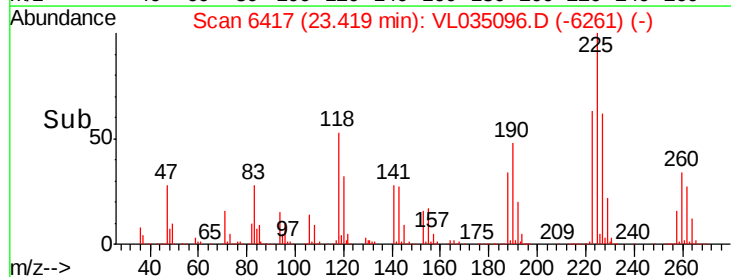
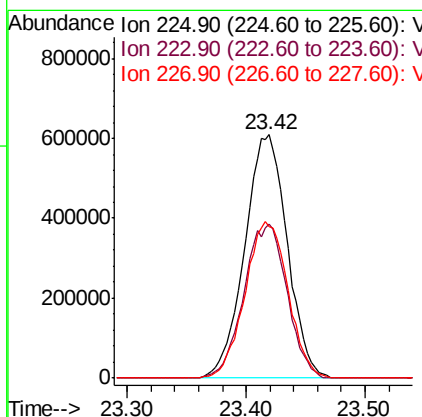
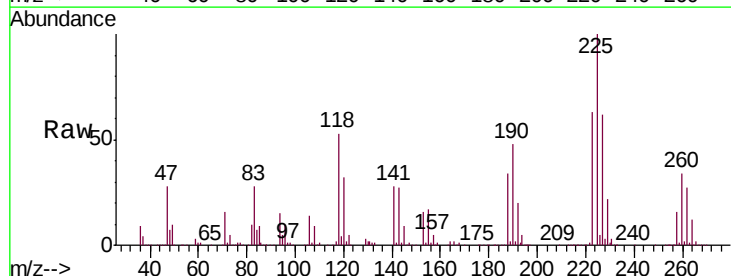
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

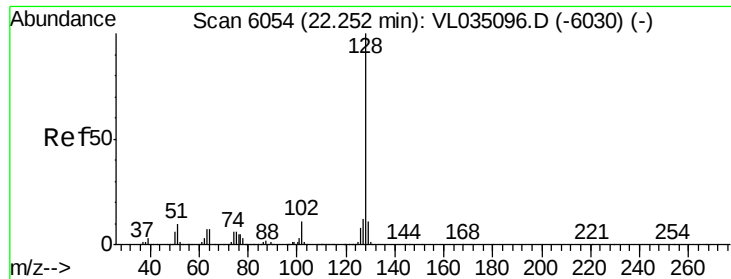
Tgt Ion:146 Resp: 1832124
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.0 75.0
 148 64.4 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.625 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion:225 Resp: 1505097
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.4 77.0
 227 64.8 51.8 77.8





#79

Naphthalene

Concen: 8.916 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

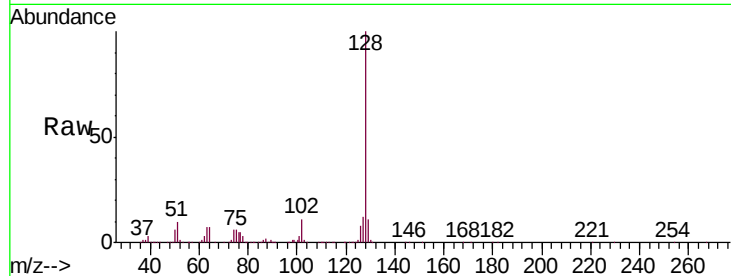
Tgt Ion:128 Resp: 3304365

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

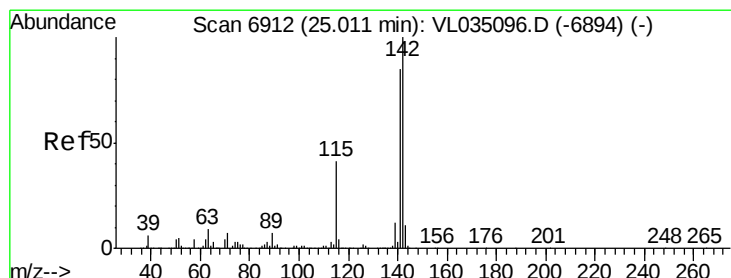
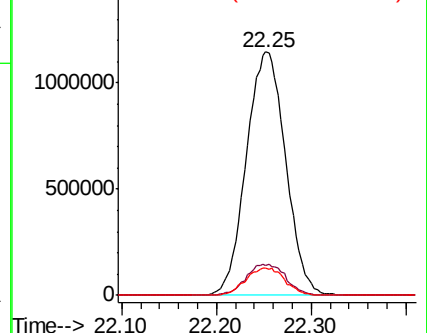
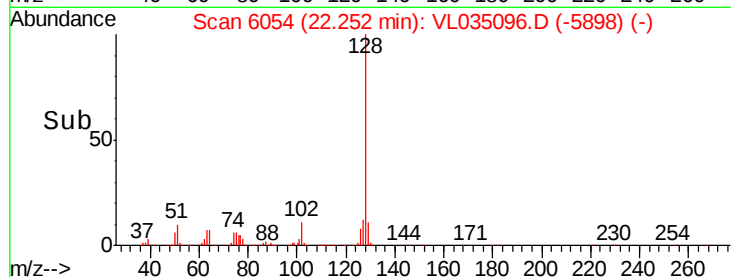
129 11.2 9.0 13.4



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: 16.660 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

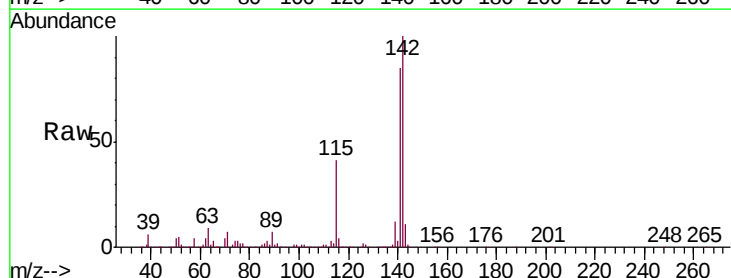
Tgt Ion:142 Resp: 1555184

Ion Ratio Lower Upper

142 100

141 84.4 67.5 101.3

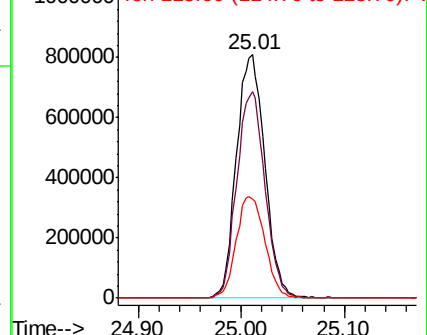
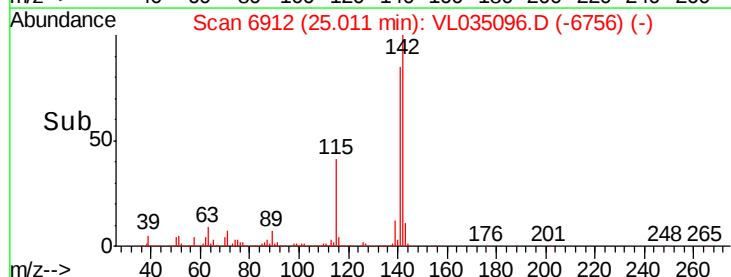
115 42.3 33.8 50.8

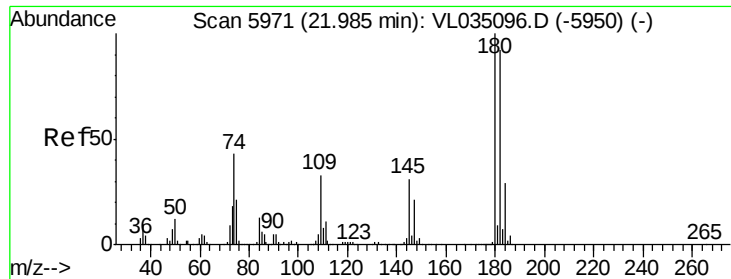


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.775 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1756351
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.9 116.9
 184 30.8 24.6 37.0

