

Data File : VL035726.D
Acq On : 29 Sep 2020 15:26
Operator : SY/AP
Sample : VL0929ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Quant Time: Sep 30 02:39:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1163709	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4466533	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5623173	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3395095	8.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1765867	9.248	ppbv	98
3) Chlorodifluoromethane	2.99	51	1188768	9.495	ppbv	100
4) Chloromethane	3.14	50	644476	9.583	ppbv	99
5) Vinyl Chloride	3.26	62	757298	9.520	ppbv	100
6) Bromomethane	3.47	94	631290	9.388	ppbv	97
7) Chloroethane	3.56	64	275902	9.457	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2141294	9.246	ppbv	99
9) Propene	3.01	41	456621	10.045	ppbv	100
10) Heptane	8.15	43	1351774	10.667	ppbv	100
11) Trichlorofluoromethane	3.96	101	2546590	9.347	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1884268	9.278	ppbv	100
13) Ethanol	3.62	45	87330	7.791	ppbv	99
14) Bromoethene	3.75	108	839249	9.810	ppbv	100
15) Acetone	3.86	43	1017863	8.129	ppbv	99
16) 1,3-Butadiene	3.33	39	474846	10.366	ppbv	99
17) tert-Butyl alcohol	4.30	59	1362801	9.991	ppbv	100
18) 1,1-Dichloroethene	4.30	96	874611	9.836	ppbv	97
19) Isopropyl Alcohol	3.98	45	637390	9.358	ppbv	100
20) Methylene Chloride	4.35	84	721719	7.847	ppbv	99
21) Allyl Chloride	4.42	41	604754	9.964	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	906495	9.649	ppbv	99
23) Vinyl Acetate	5.09	43	1634165	10.655	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1598123	9.566	ppbv	100
25) Ethyl Acetate	5.69	43	2188717	9.714	ppbv	100
26) Hexane	5.70	57	1219825	9.880	ppbv	99
27) Carbon Disulfide	4.56	76	1914157	10.401	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	2076792	10.611	ppbv	100
29) Chloroform	5.77	83	2415848	9.635	ppbv	99
30) Cyclohexane	7.15	84	1333102	10.943	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1285484	10.785	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2353805	10.649	ppbv	100
34) 2-Butanone	5.26	43	1494325	10.115	ppbv	100
35) Carbon Tetrachloride	7.04	117	2441940	10.486	ppbv	99
36) Benzene	6.91	78	3028926	10.407	ppbv	100
37) 1,2-Dichloroethane	6.33	62	1492516	9.839	ppbv	100
38) Trichloroethene	7.86	130	1538825	10.599	ppbv	99
39) 1,2-Dichloropropane	7.64	63	1053356	9.985	ppbv	99
40) 1,4-Dioxane	7.85	88	472894	9.802	ppbv	86
41) Tetrahydrofuran	6.07	42	851673	11.443	ppbv	99
42) Bromodichloromethane	7.82	83	2512410	10.282	ppbv	100
43) Methyl Methacrylate	8.04	69	1288055	11.128	ppbv	99

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ClientSampleId :
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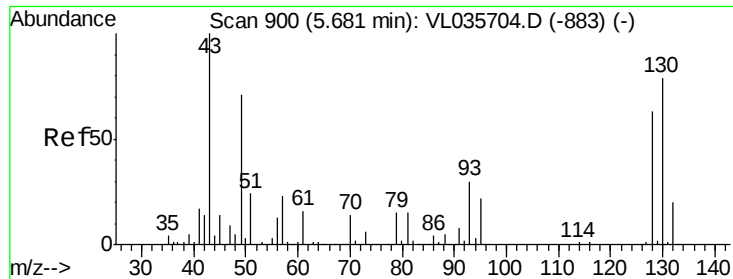
Quant Time: Sep 30 02:39:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4145838	9.927	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1438154	12.306	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1721628	11.951	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1484681	9.826	ppbv	99
48) Dibromochloromethane	10.34	129	2521024	10.963	ppbv	100
49) Bromoform	13.08	173	2251857	11.541	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2256019	10.455	ppbv	100
51) 2-Hexanone	10.16	43	1880161	10.815	ppbv	100
52) Tetrachloroethene	11.26	164	1444543	10.321	ppbv	99
53) Toluene	9.83	91	3814985	11.116	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2322101	10.263	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1941110	8.233	ppbv	99
57) Chlorobenzene	12.18	112	3235809	7.619	ppbv	98
58) Ethyl Benzene	12.74	91	4961230	8.790	ppbv	99
59) m/p-Xylene	13.03	91	4542166	9.216	ppbv #	40
60) o-Xylene	13.73	91	4158937	8.342	ppbv	100
61) Styrene	13.56	104	3254845	9.441	ppbv	99
62) Isopropylbenzene	14.71	105	6281869	8.123	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	3042463	7.442	ppbv	100
64) n-propylbenzene	15.60	120	1927471	8.516	ppbv	100
65) tert-Butylbenzene	16.79	119	5799488	8.248	ppbv	99
66) Benzyl Chloride	17.03	91	2061297	9.676	ppbv	100
67) sec-Butylbenzene	17.34	105	7748078	7.980	ppbv	100
69) p-Isopropyltoluene	17.70	119	6524935	8.260	ppbv	99
70) n-Butylbenzene	18.59	91	6443113	7.921	ppbv	99
71) 2-Chlorotoluene	15.49	91	4781139	8.476	ppbv	100
72) 4-Ethyltoluene	15.88	105	5089950	8.618	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	4723491	8.463	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	4929022	7.834	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3286888	7.652	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3266327	7.955	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	3196559	7.879	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1747130	7.805	ppbv	99
79) Naphthalene	22.25	128	4715019	7.857	ppbv	100
80) Naphthalene,2-methyl-	25.01	142	1217534	8.602	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	2495922	8.026	ppbv	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035726.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

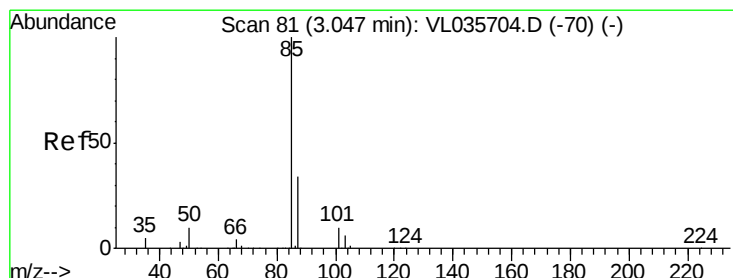
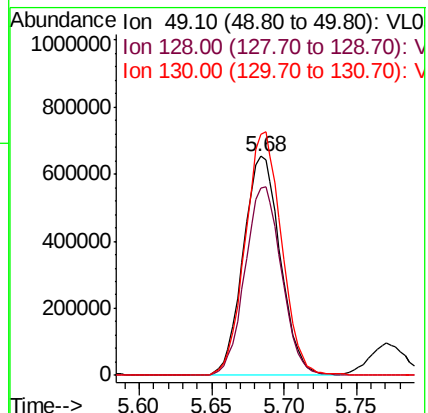
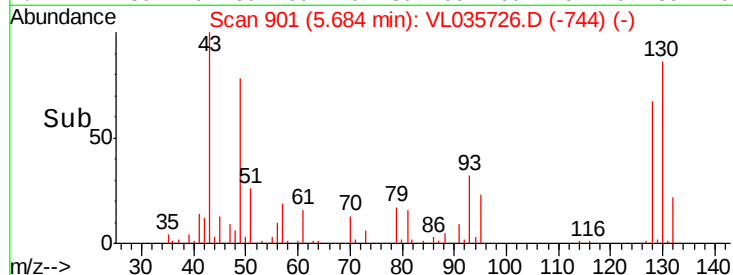
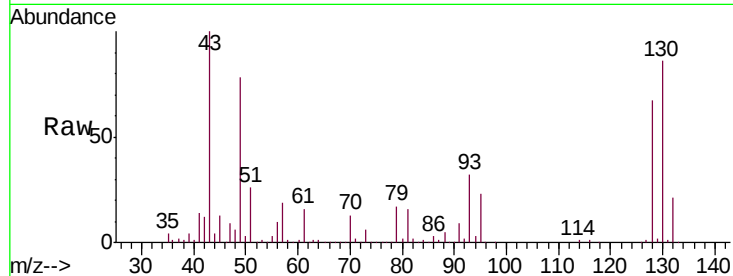
Tgt Ion: 49 Resp: 1163709

Ion Ratio Lower Upper

49 100

128 85.3 43.1 129.4

130 109.3 54.9 164.7



#2

Dichlorodifluoromethane

Concen: 9.248 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL035726.D

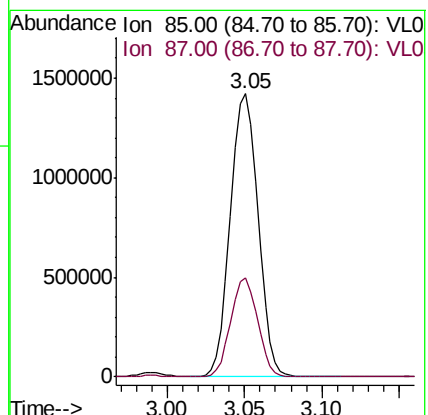
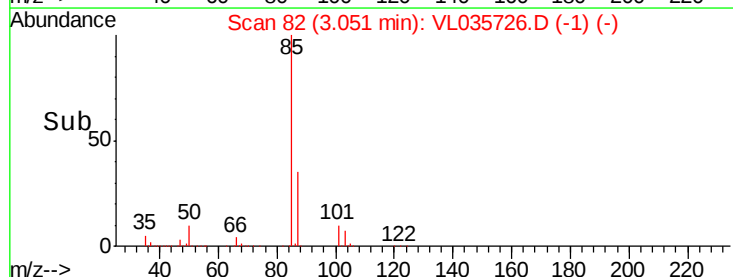
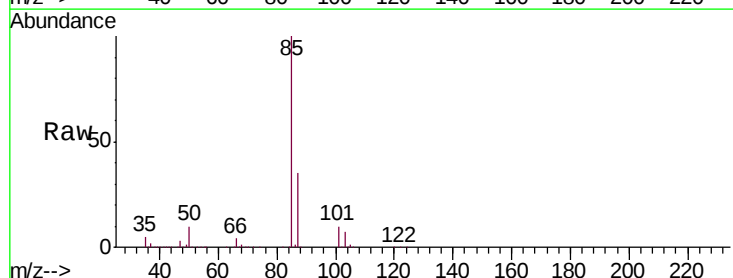
Acq: 29 Sep 2020 15:26

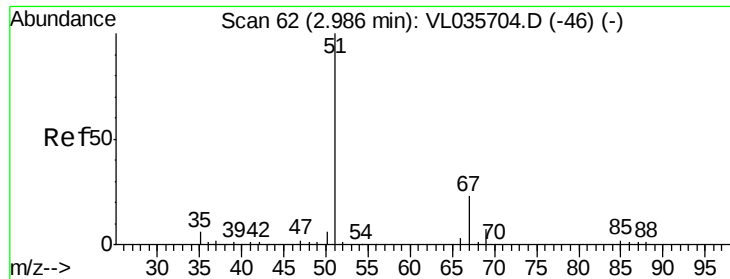
Tgt Ion: 85 Resp: 1765867

Ion Ratio Lower Upper

85 100

87 35.1 27.3 40.9





#3

Chlorodifluoromethane

Concen: 9.495 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

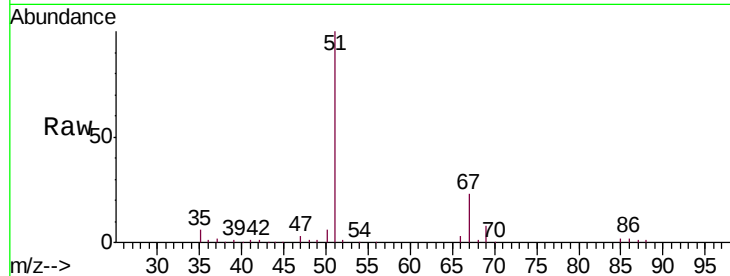
VL0929ABS01

Tgt Ion: 51 Resp: 1188768

Ion Ratio Lower Upper

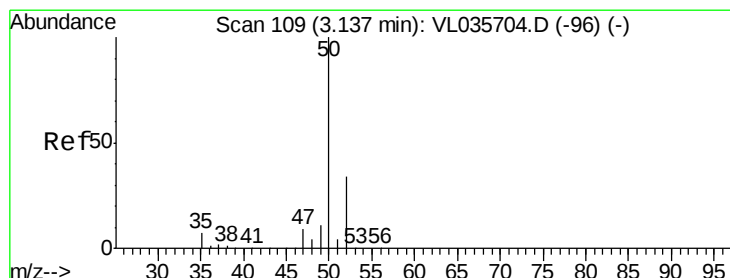
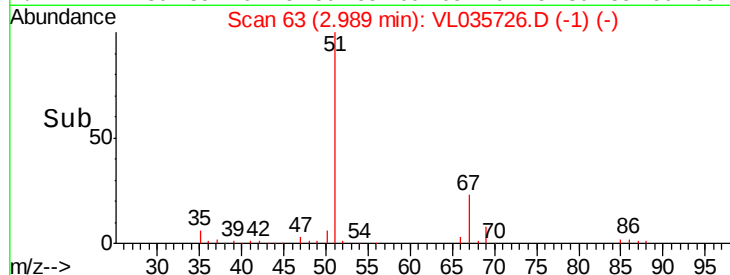
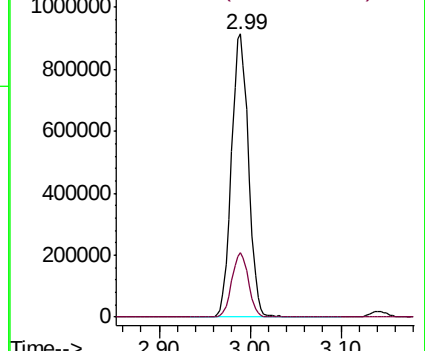
51 100

67 22.1 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: 9.583 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035726.D

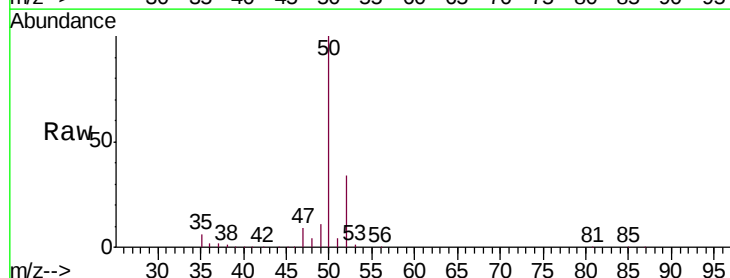
Acq: 29 Sep 2020 15:26

Tgt Ion: 50 Resp: 644476

Ion Ratio Lower Upper

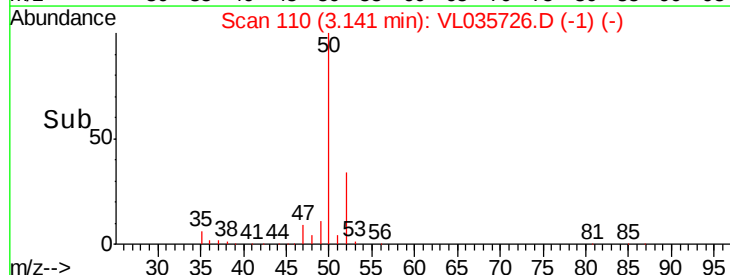
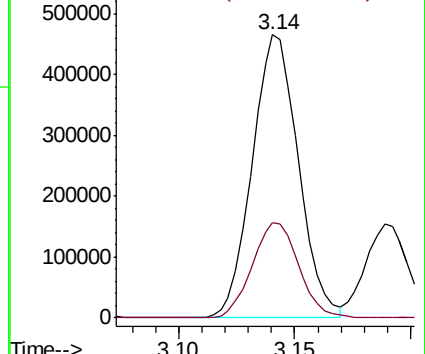
50 100

52 33.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.520 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

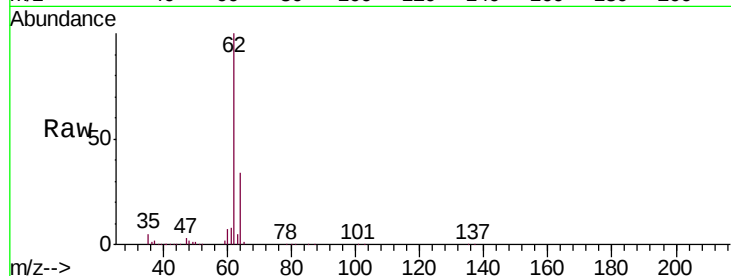
VL0929ABS01

Tgt Ion: 62 Resp: 757298

Ion Ratio Lower Upper

62 100

64 33.5 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

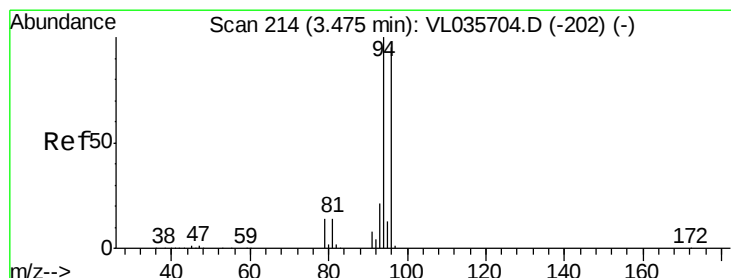
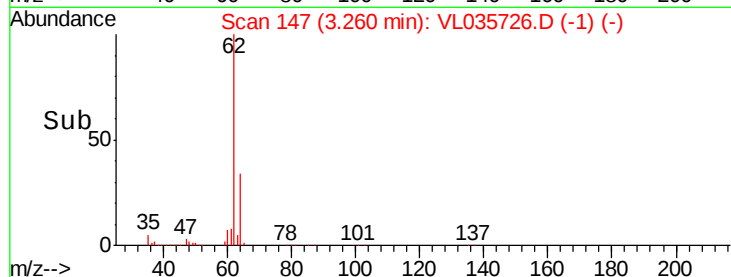
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.388 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL035726.D

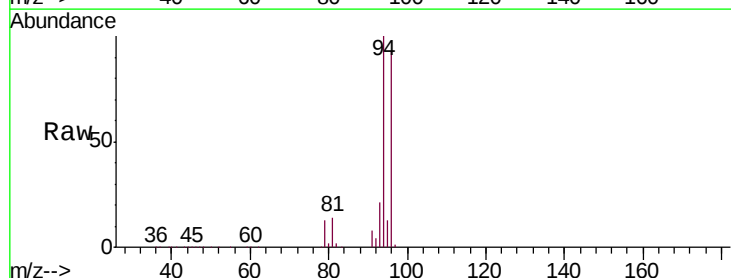
Acq: 29 Sep 2020 15:26

Tgt Ion: 94 Resp: 631290

Ion Ratio Lower Upper

94 100

96 92.9 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

500000

400000

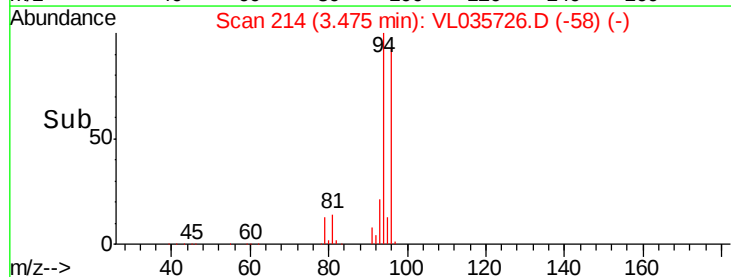
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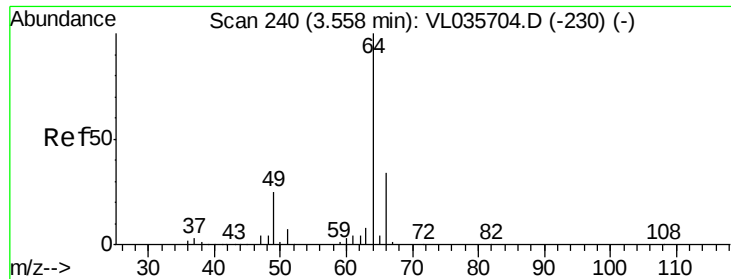
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.457 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

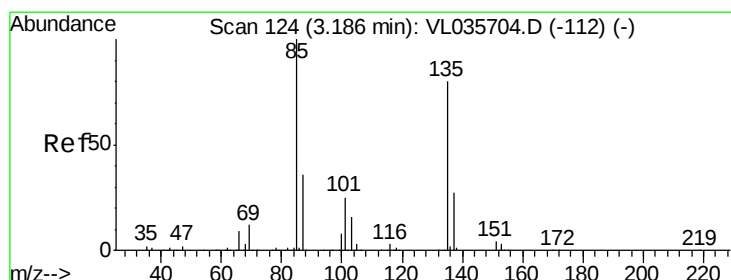
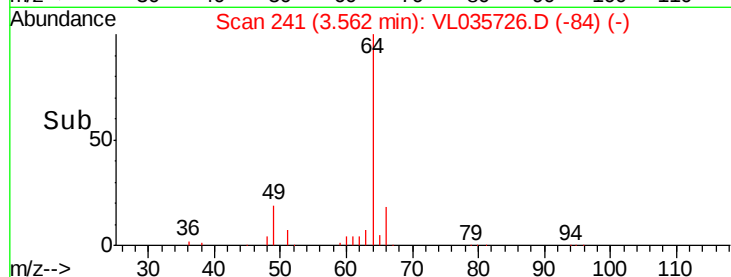
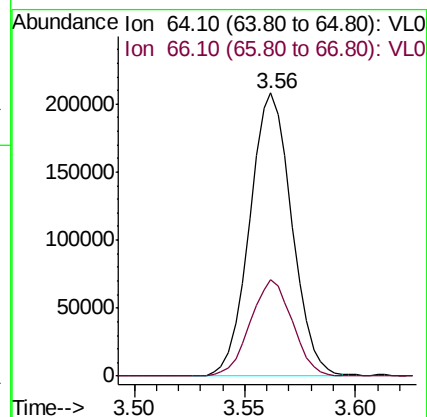
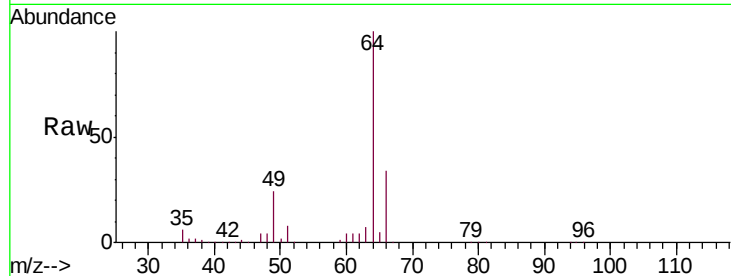
VL0929ABS01

Tgt Ion: 64 Resp: 275902

Ion Ratio Lower Upper

64 100

66 34.0 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 9.246 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL035726.D

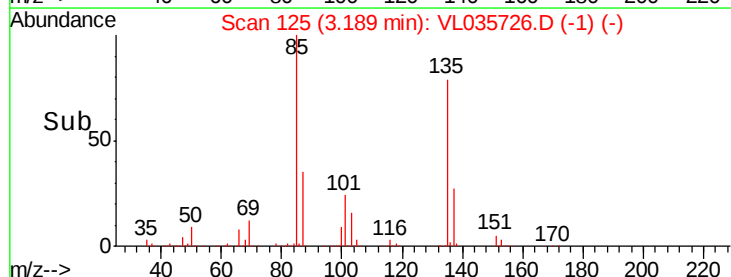
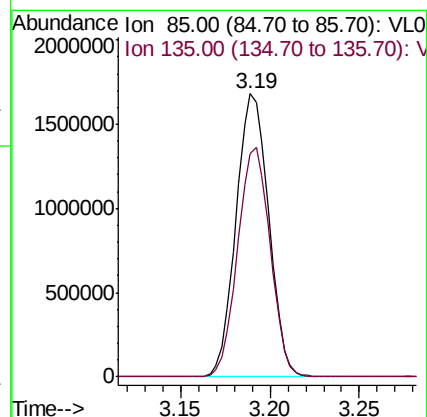
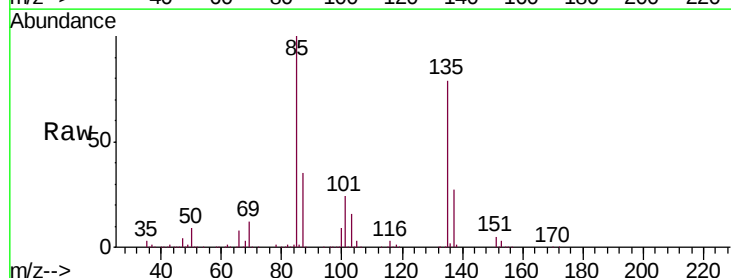
Acq: 29 Sep 2020 15:26

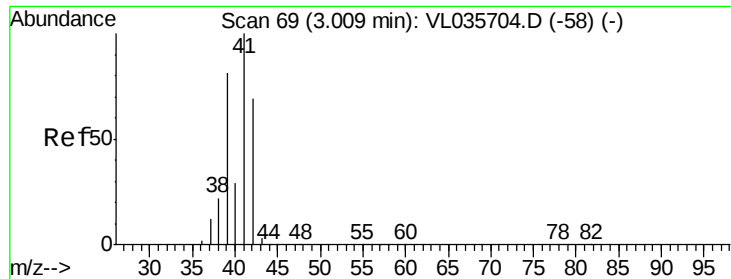
Tgt Ion: 85 Resp: 2141294

Ion Ratio Lower Upper

85 100

135 81.1 64.3 96.5





#9

Propene

Concen: 10.045 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035726.D

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ClientSampleId :

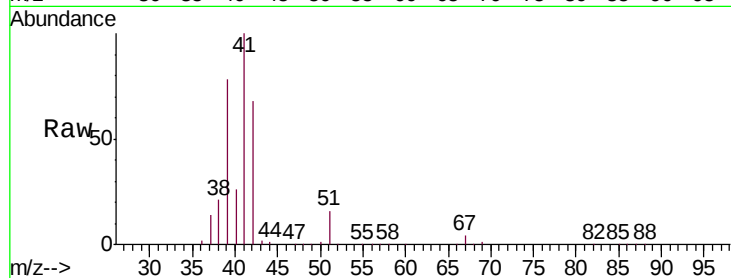
VL0929ABS01

Tgt Ion: 41 Resp: 456621

Ion Ratio Lower Upper

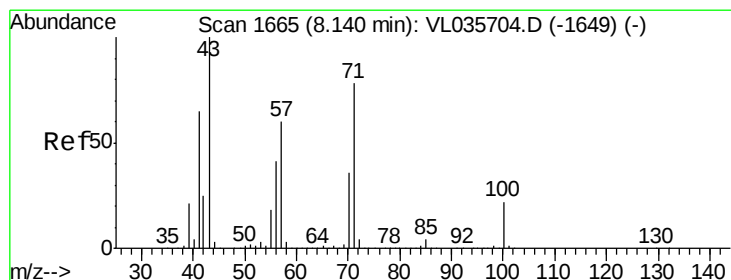
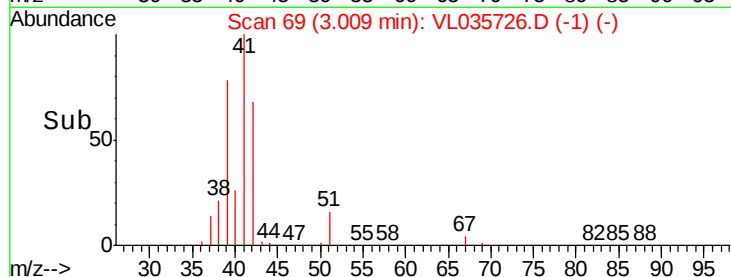
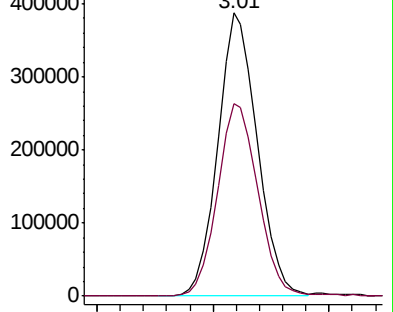
41 100

42 70.5 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.667 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035726.D

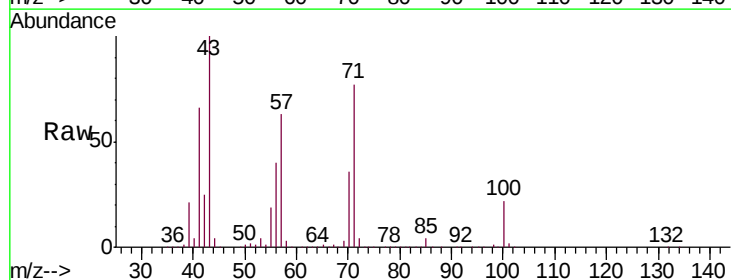
Acq: 29 Sep 2020 15:26

Tgt Ion: 43 Resp: 1351774

Ion Ratio Lower Upper

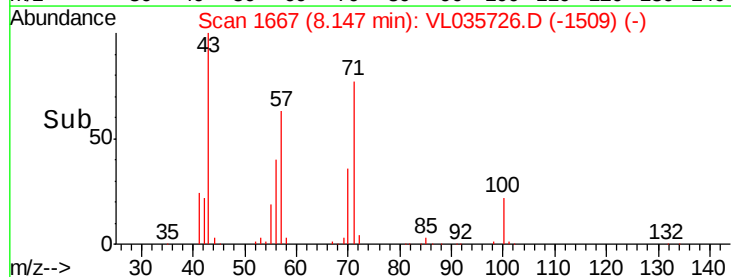
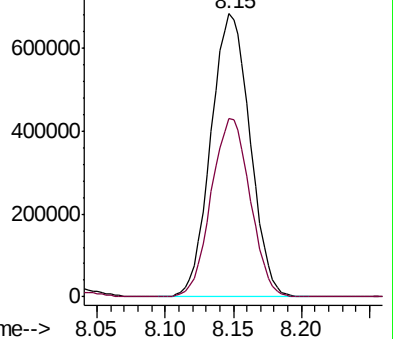
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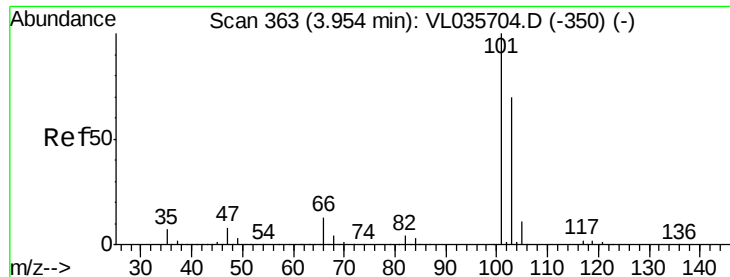
57 62.9 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

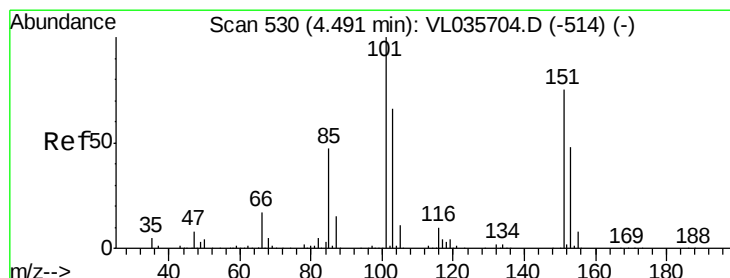
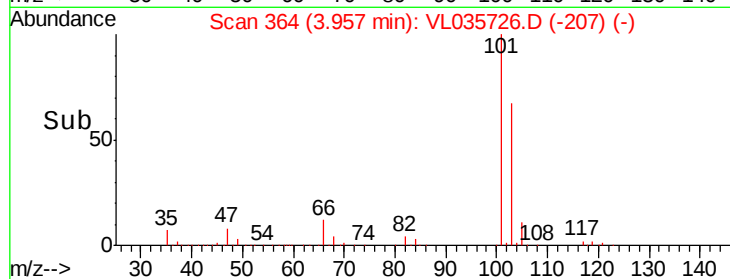
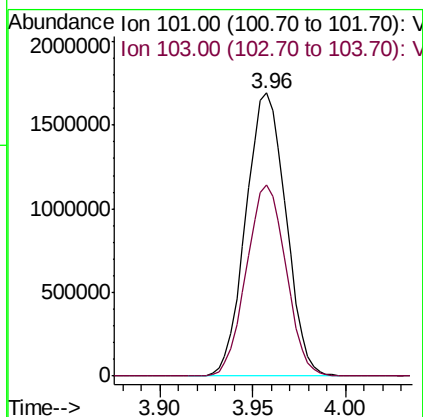
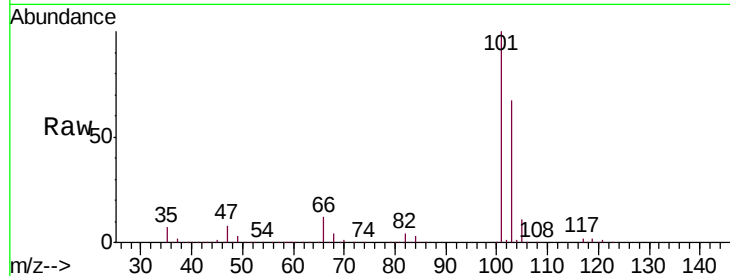




#11
 Trichlorofluoromethane
 Concen: 9.347 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

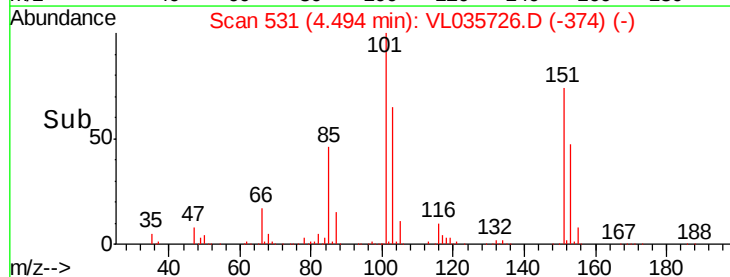
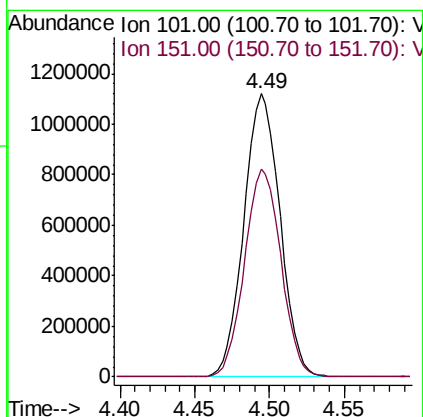
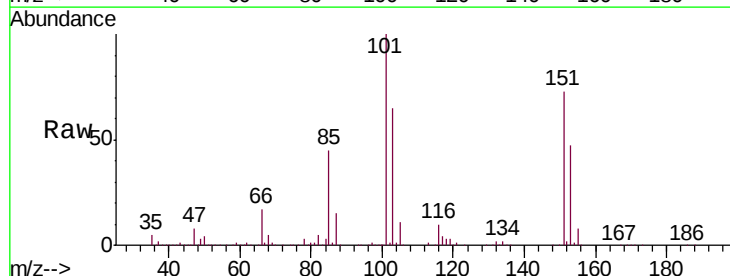
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

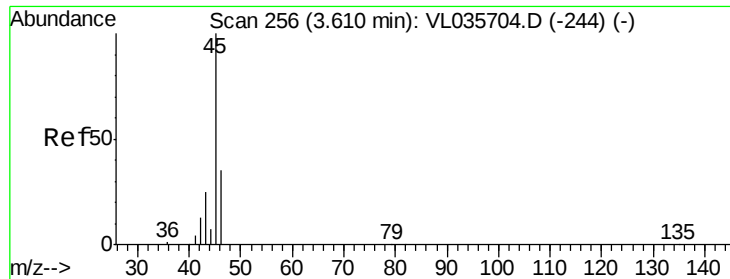
Tgt Ion:101 Resp: 2546590
 Ion Ratio Lower Upper
 101 100
 103 67.3 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.278 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion:101 Resp: 1884268
 Ion Ratio Lower Upper
 101 100
 151 74.2 59.1 88.7





#13

Ethanol

Concen: 7.791 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

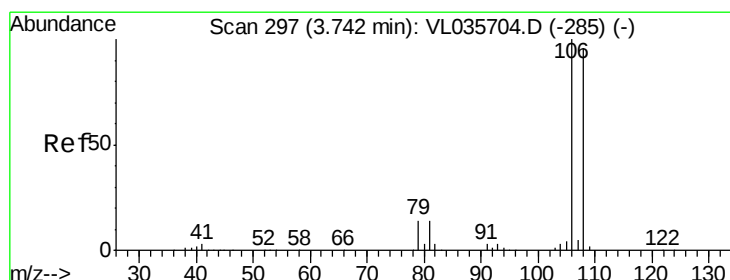
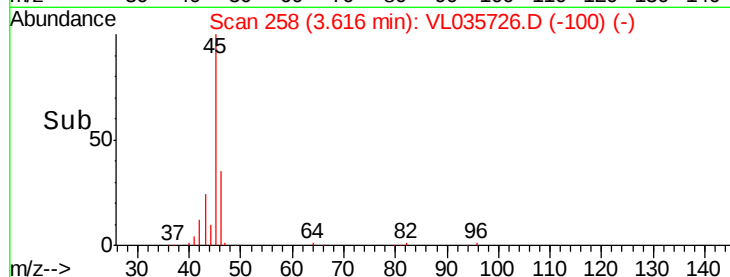
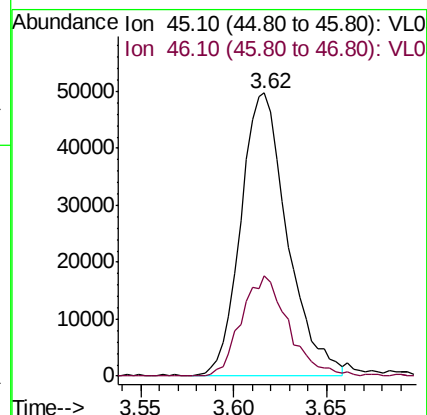
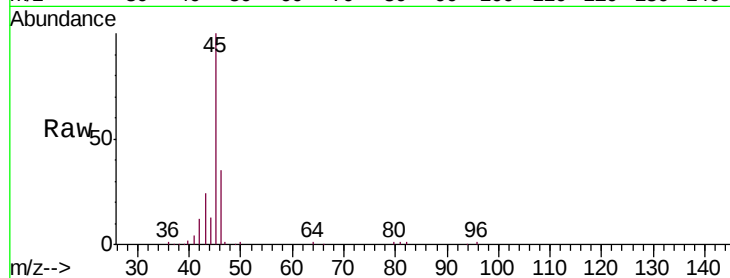
VL0929ABS01

Tgt Ion: 45 Resp: 87330

Ion Ratio Lower Upper

45 100

46 36.0 14.7 58.7



#14

Bromoethene

Concen: 9.810 ppbv

RT: 3.75 min Scan# 298

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

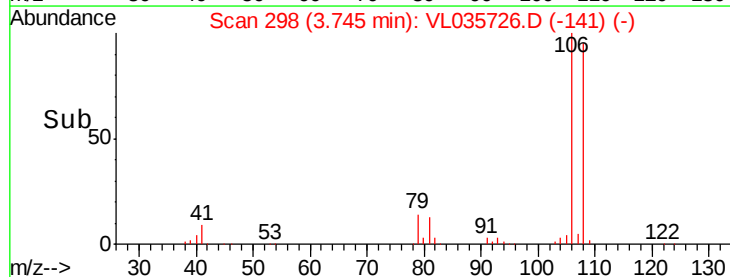
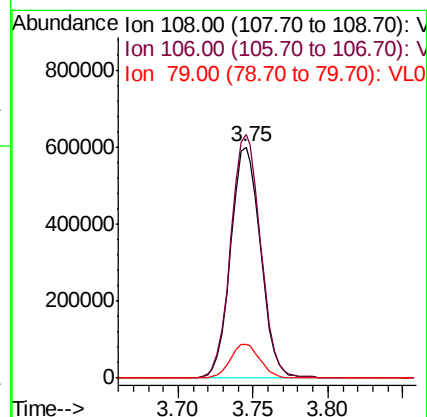
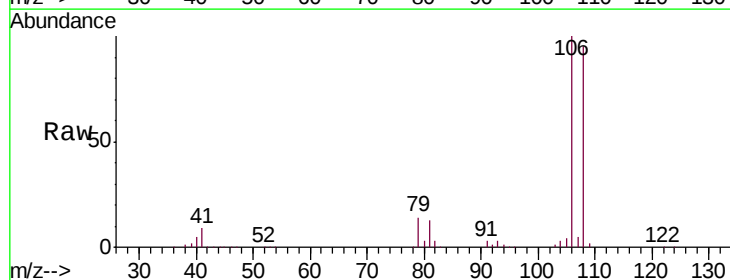
Tgt Ion: 108 Resp: 839249

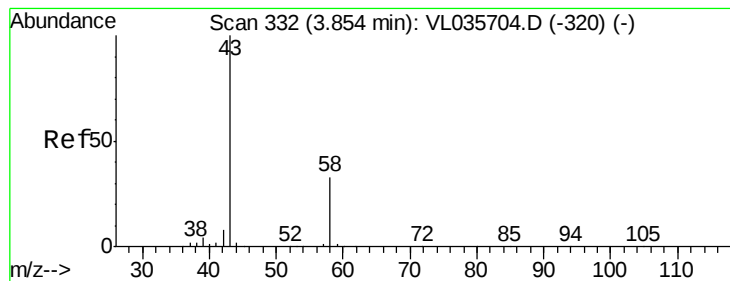
Ion Ratio Lower Upper

108 100

106 105.7 84.6 126.8

79 14.8 11.6 17.4





#15

Acetone

Concen: 8.129 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

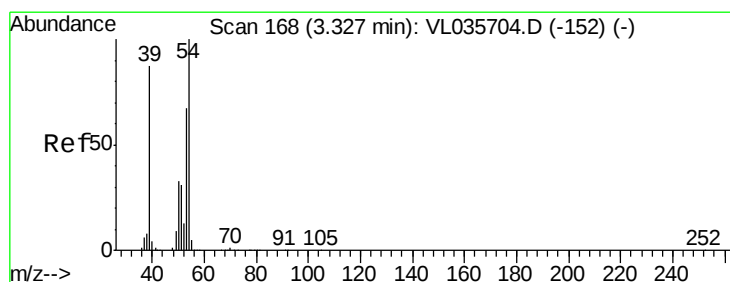
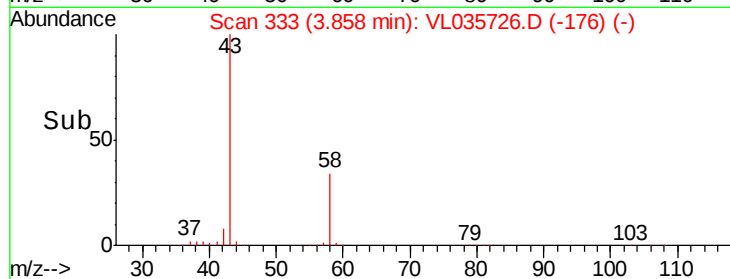
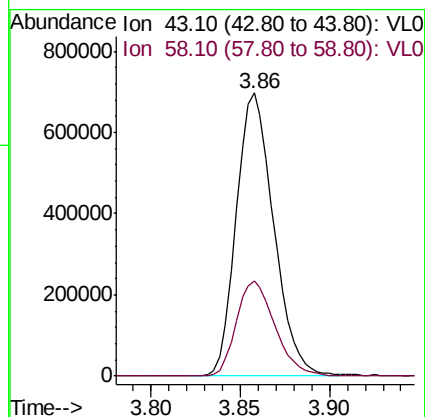
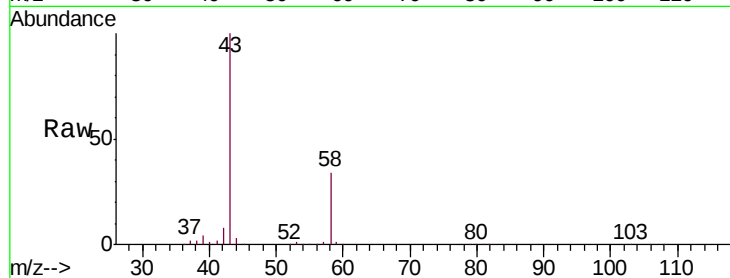
VL0929ABS01

Tgt Ion: 43 Resp: 1017863

Ion Ratio Lower Upper

43 100

58 34.5 27.3 40.9



#16

1,3-Butadiene

Concen: 10.366 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL035726.D

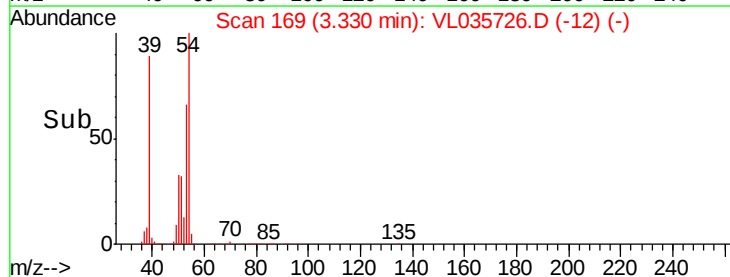
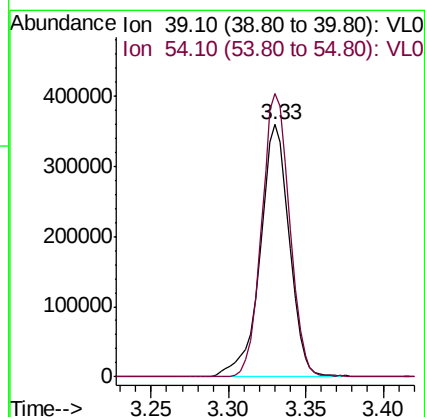
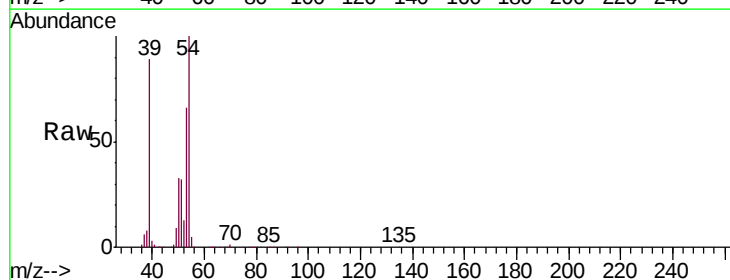
Acq: 29 Sep 2020 15:26

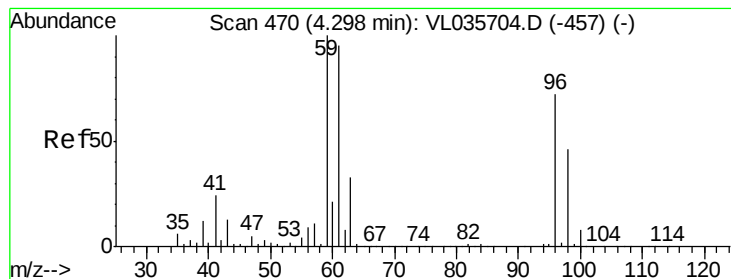
Tgt Ion: 39 Resp: 474846

Ion Ratio Lower Upper

39 100

54 107.7 87.4 131.0





#17

tert-Butyl alcohol

Concen: 9.991 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

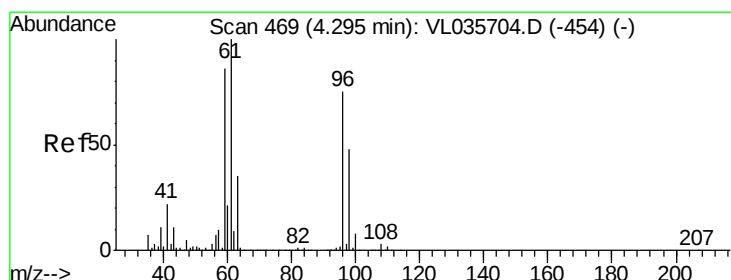
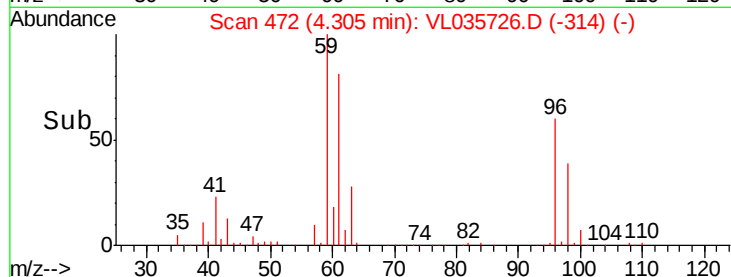
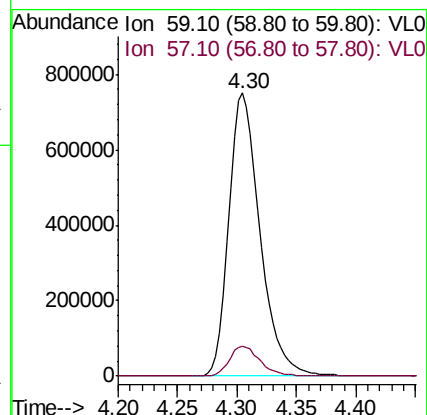
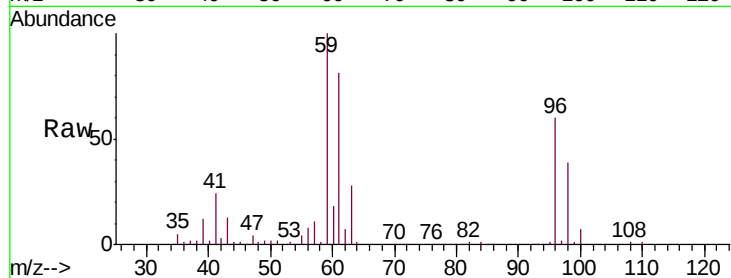
VL0929ABS01

Tgt Ion: 59 Resp: 1362801

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.836 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

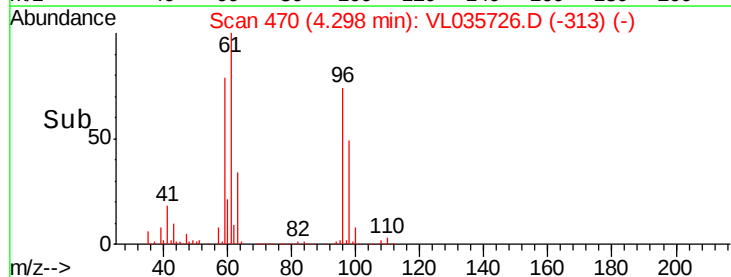
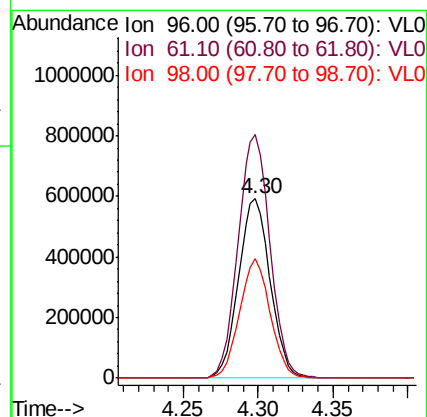
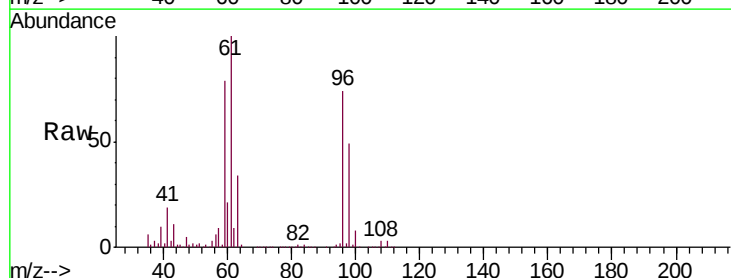
Tgt Ion: 96 Resp: 874611

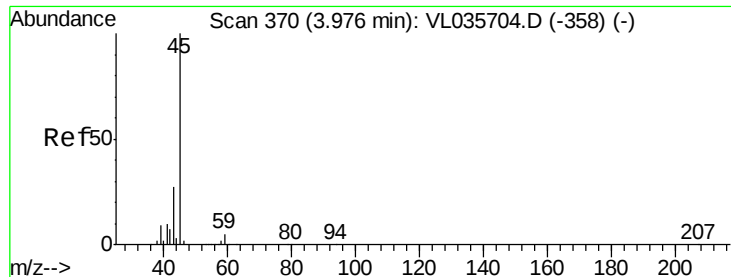
Ion Ratio Lower Upper

96 100

61 135.7 106.7 160.1

98 66.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.358 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

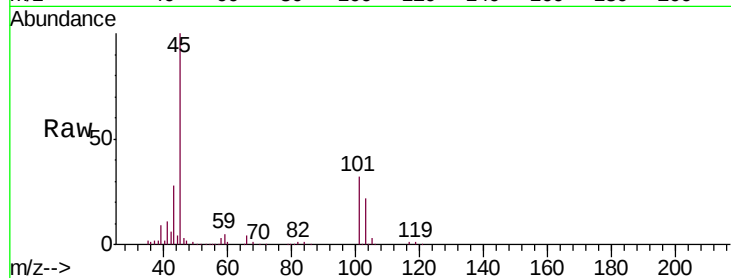
VL0929ABS01

Tgt Ion: 45 Resp: 637390

Ion Ratio Lower Upper

45 100

58 3.6 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

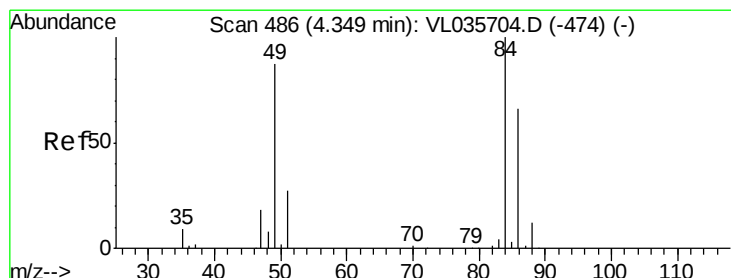
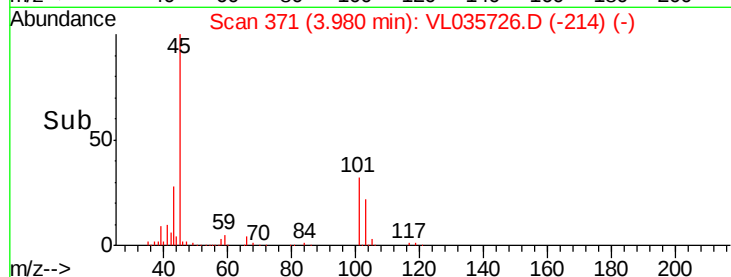
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.847 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tgt Ion: 84 Resp: 721719

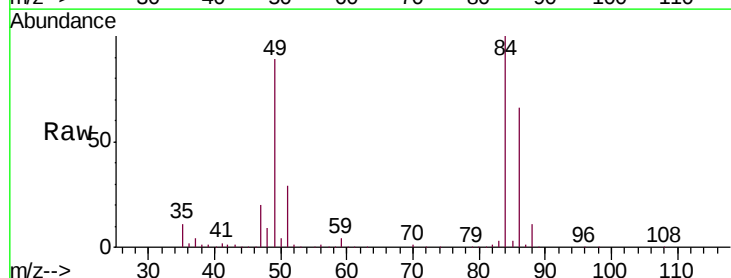
Ion Ratio Lower Upper

84 100

49 88.3 69.8 104.6

51 29.1 21.8 32.8

86 65.8 52.6 78.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

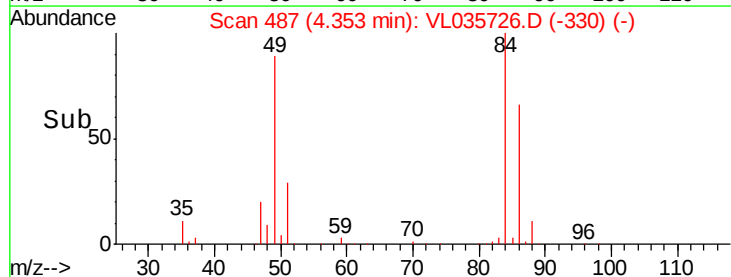
600000

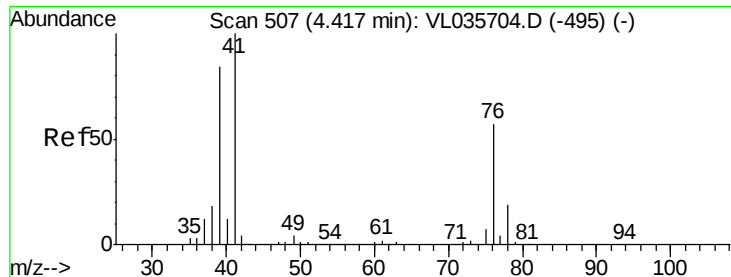
400000

200000

0

Time-->





#21

Allyl Chloride

Concen: 9.964 ppbv

RT: 4.42 min Scan# 508

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

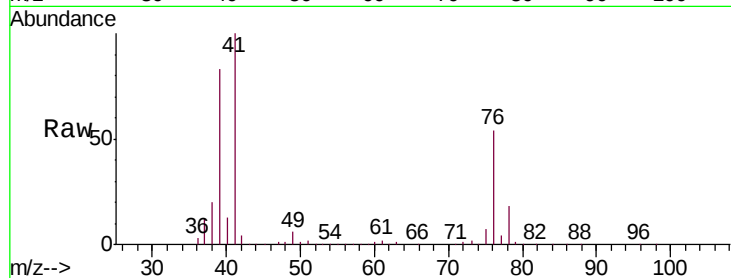
Tgt Ion: 41 Resp: 604754

Ion Ratio Lower Upper

41 100

76 55.7 44.8 67.2

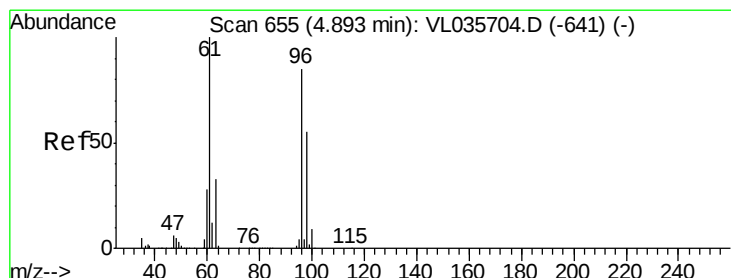
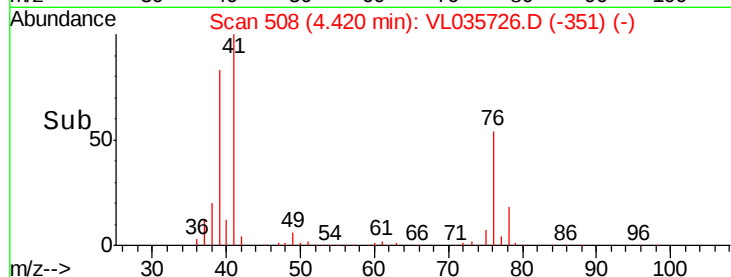
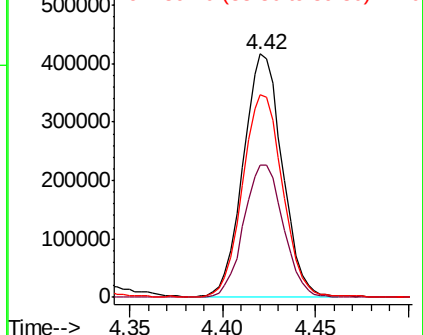
39 86.0 68.4 102.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.649 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

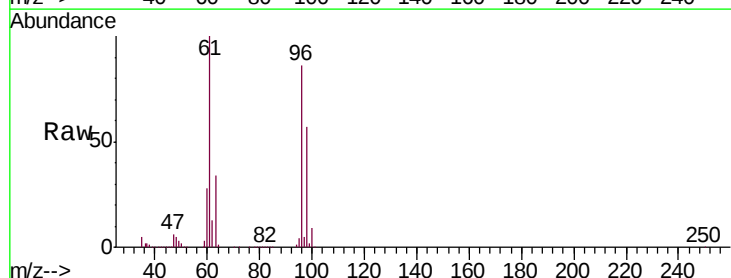
Tgt Ion: 96 Resp: 906495

Ion Ratio Lower Upper

96 100

61 116.5 93.7 140.5

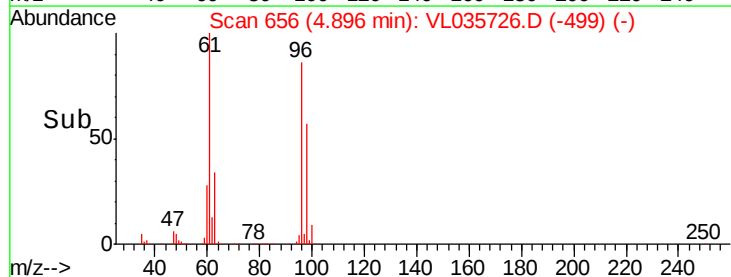
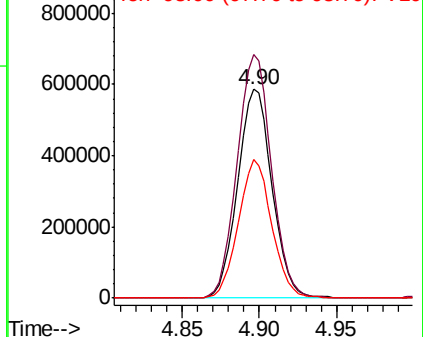
98 66.3 51.2 76.8

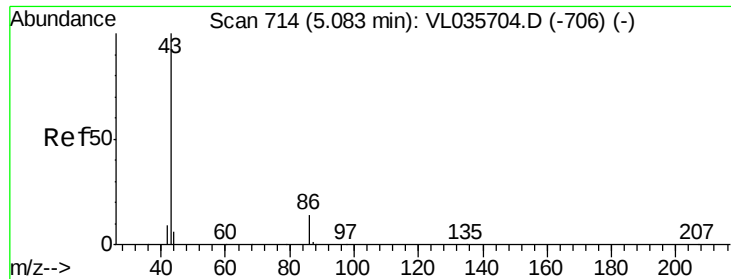


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.655 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tgt Ion: 43 Resp: 1634165

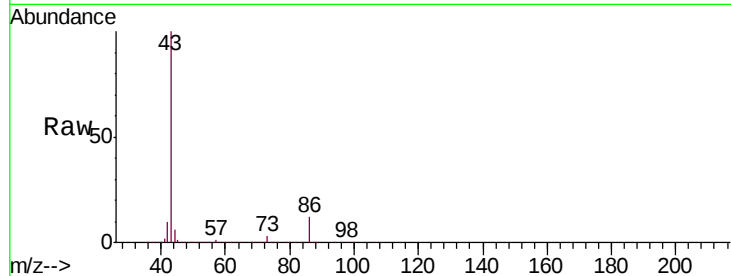
Ion Ratio Lower Upper

43 100

86 12.0 9.7 14.5

42 9.5 7.9 11.9

44 5.8 4.8 7.2

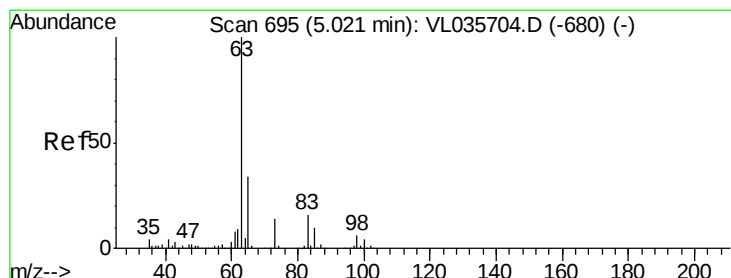
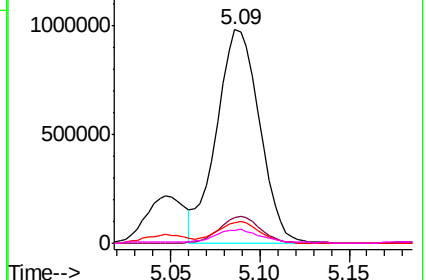
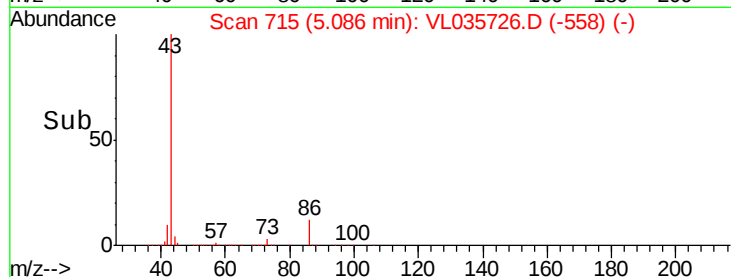


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.566 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

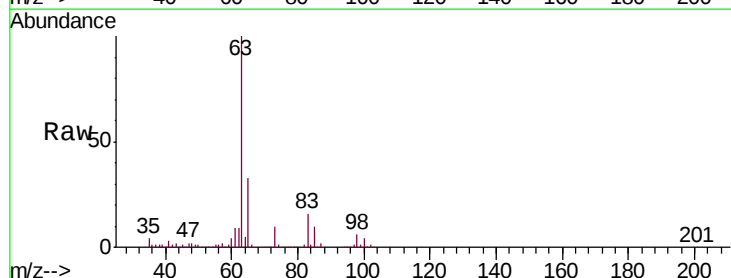
Tgt Ion: 63 Resp: 1598123

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

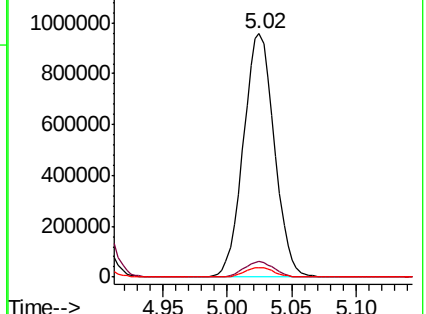
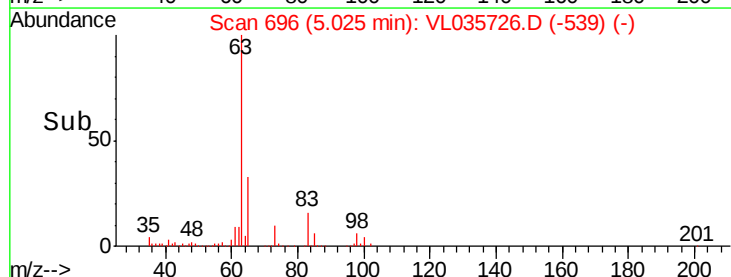
100 3.9 2.0 5.8

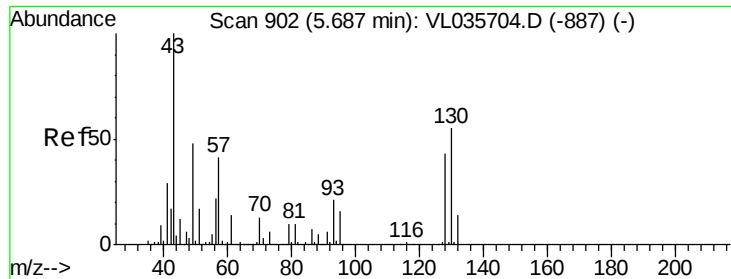


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



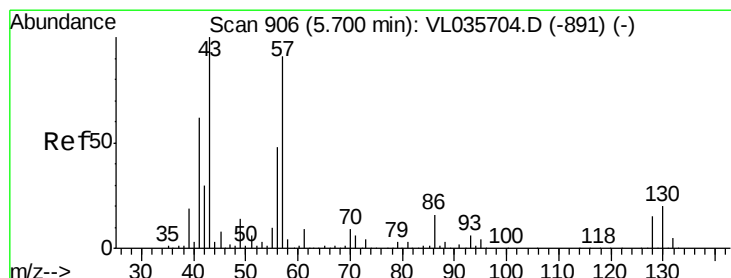
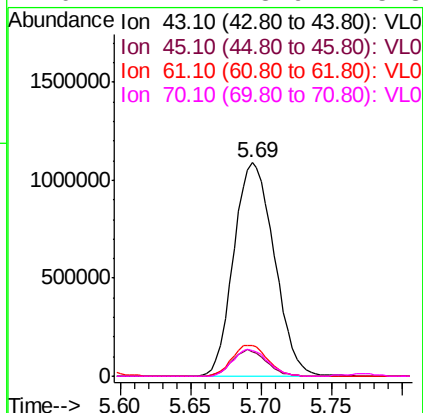
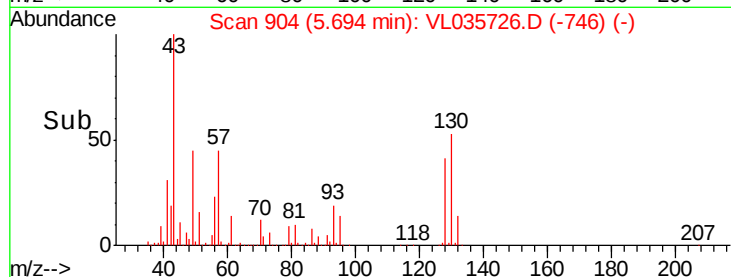
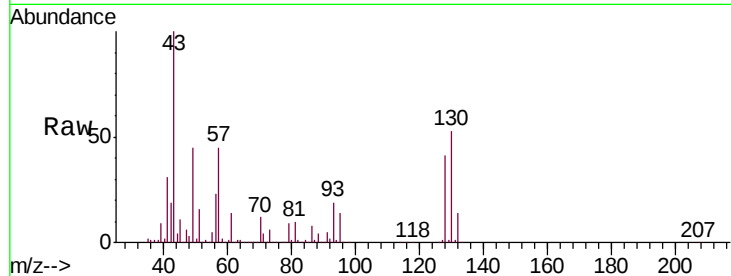


#25
Ethyl Acetate
Concen: 9.714 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tgt Ion: 43 Resp: 2188717

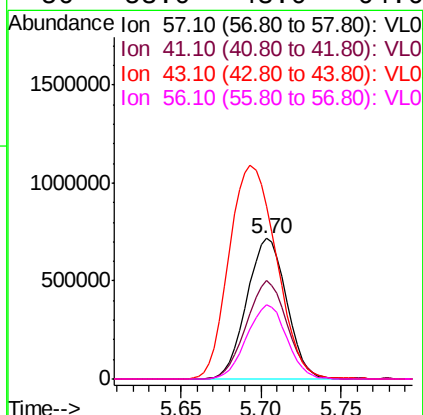
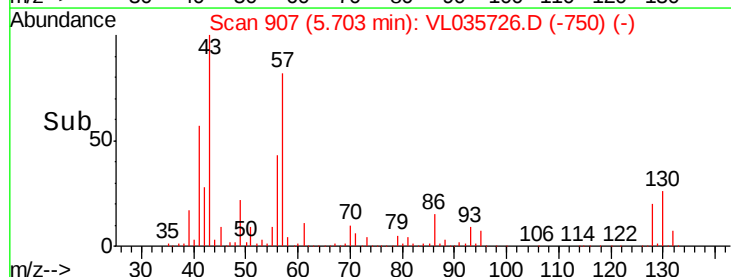
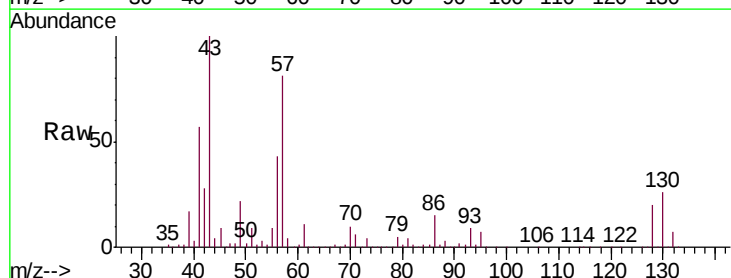
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	12.8
61	12.9	10.4	15.6
70	11.1	8.9	13.3

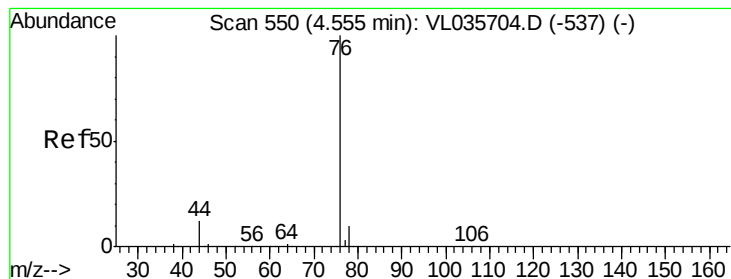


#26
Hexane
Concen: 9.880 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 57 Resp: 1219825

Ion	Ratio	Lower	Upper
57	100		
41	73.1	57.9	86.9
43	180.2	143.8	215.6
56	53.0	43.0	64.6





#27

Carbon Disulfide

Concen: 10.401 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

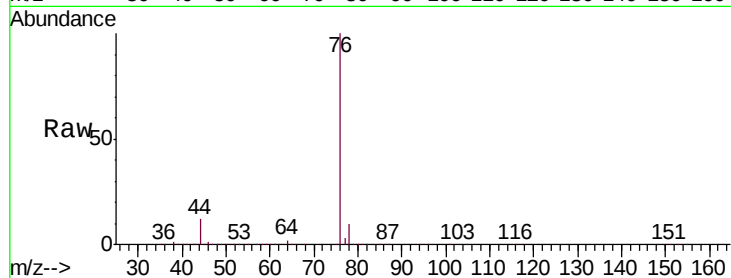
Tgt Ion: 76 Resp: 1914157

Ion Ratio Lower Upper

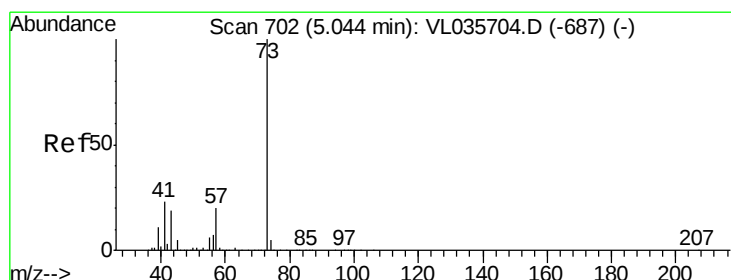
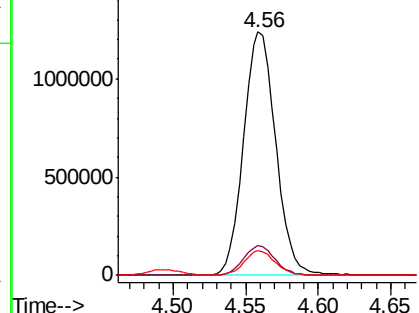
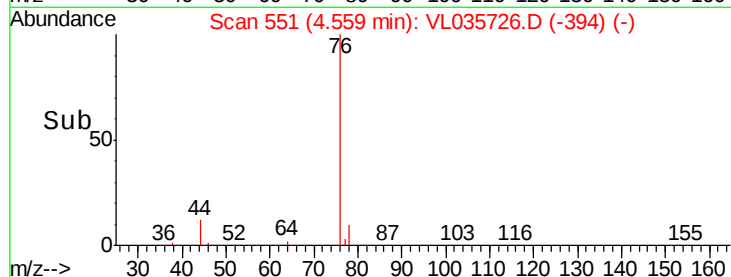
76 100

44 11.9 9.7 14.5

78 9.7 7.8 11.8



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: 10.611 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL035726.D

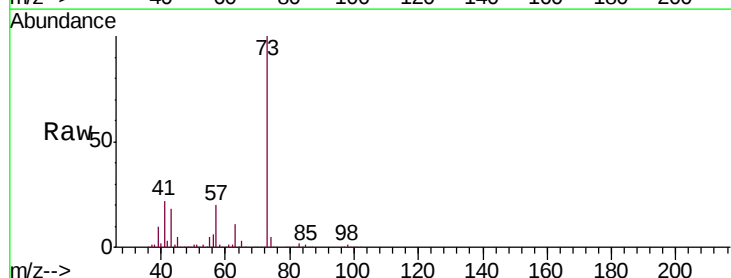
Acq: 29 Sep 2020 15:26

Tgt Ion: 73 Resp: 2076792

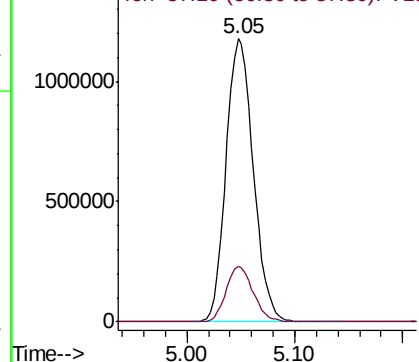
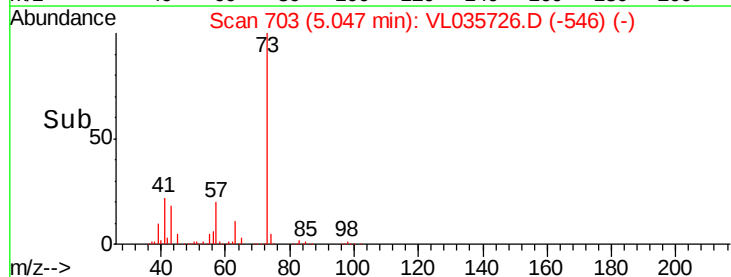
Ion Ratio Lower Upper

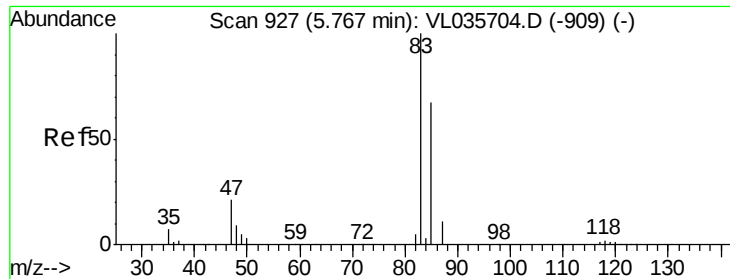
73 100

57 19.4 15.6 23.4



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

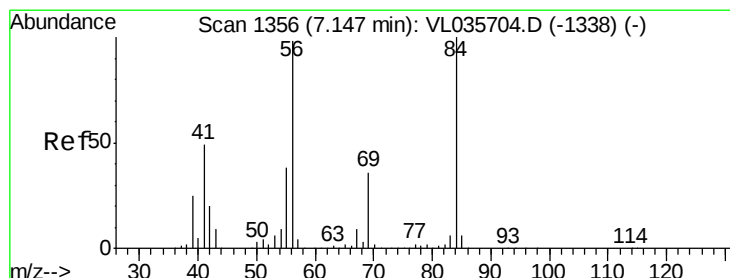
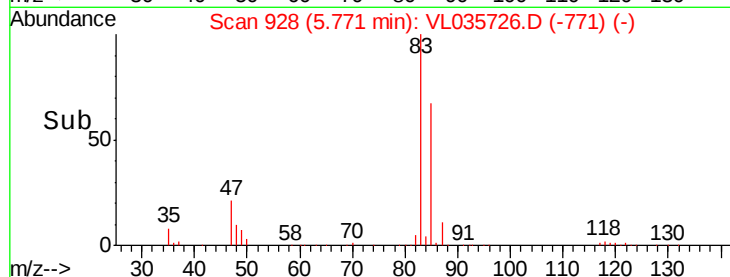
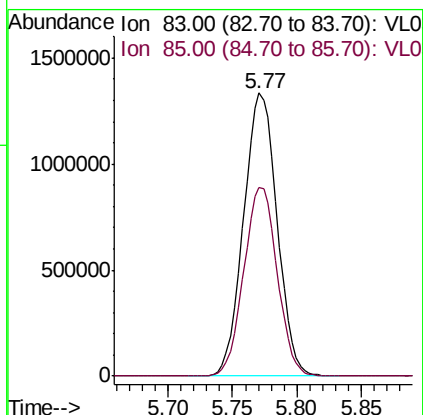
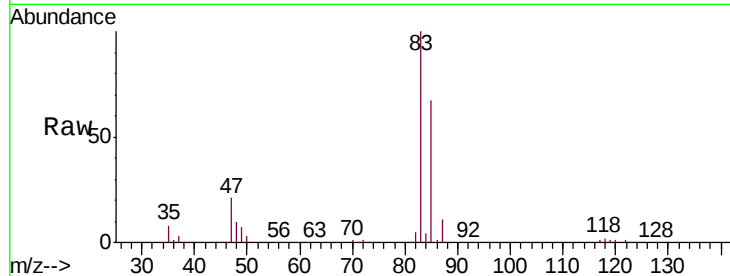




#29
Chloroform
Concen: 9.635 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

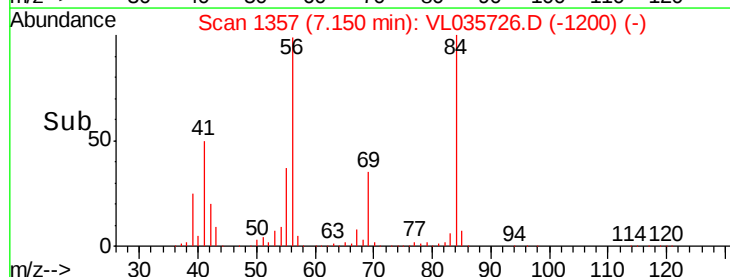
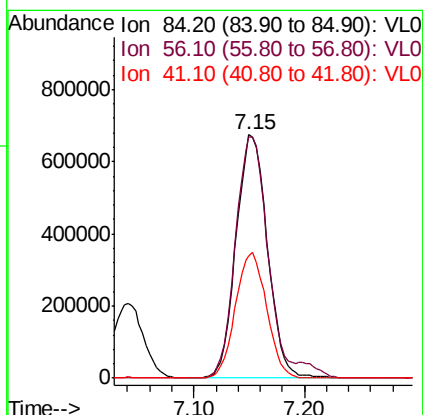
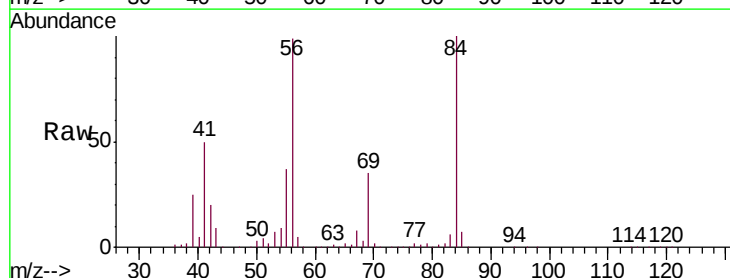
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

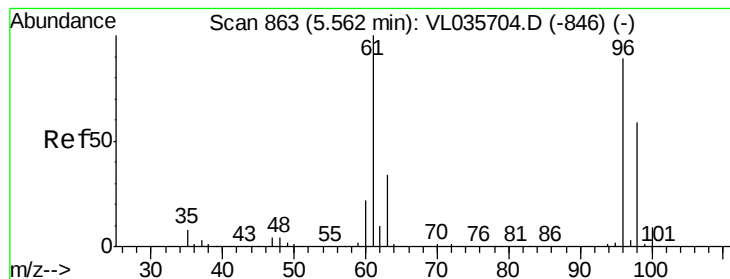
Tgt Ion: 83 Resp: 2415848
Ion Ratio Lower Upper
83 100
85 66.5 54.0 81.0



#30
Cyclohexane
Concen: 10.943 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 84 Resp: 1333102
Ion Ratio Lower Upper
84 100
56 105.4 84.6 127.0
41 51.4 41.1 61.7



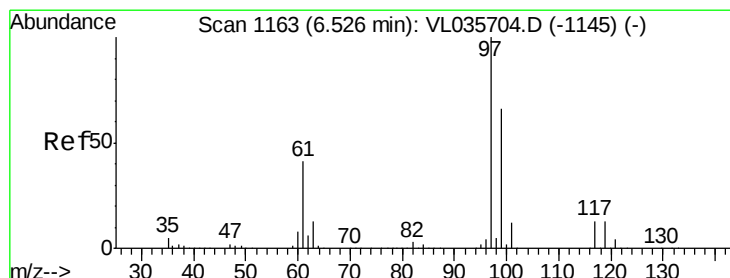
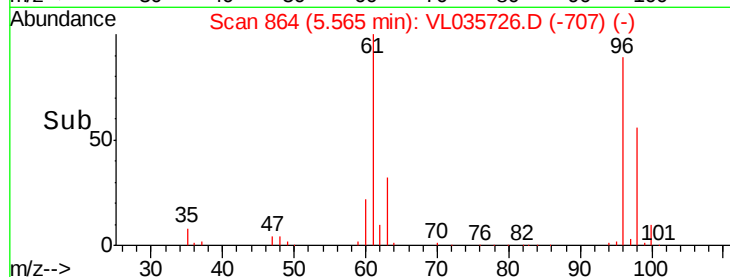
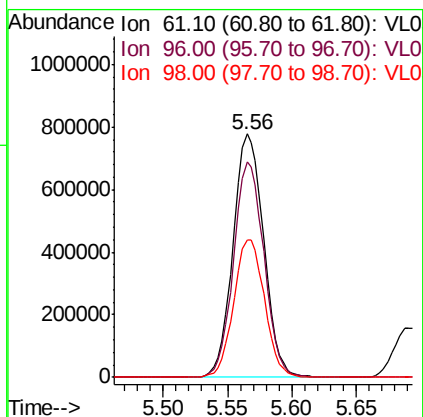
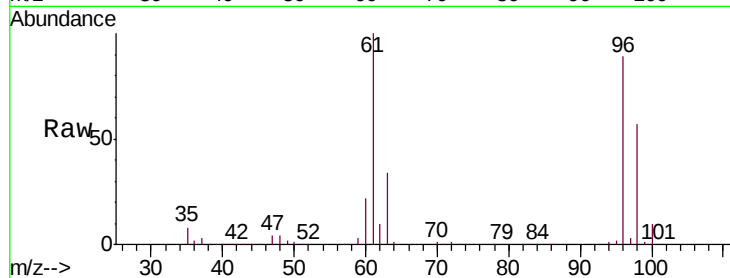


#31

cis-1,2-Dichloroethene
 Concen: 10.785 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

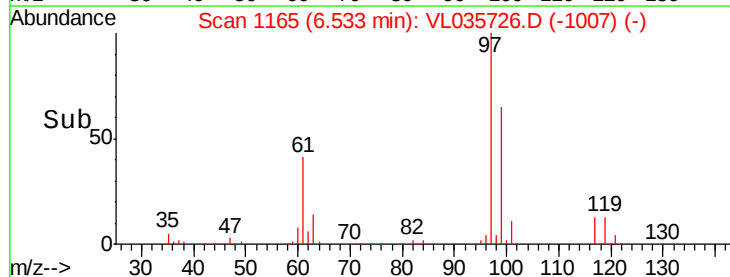
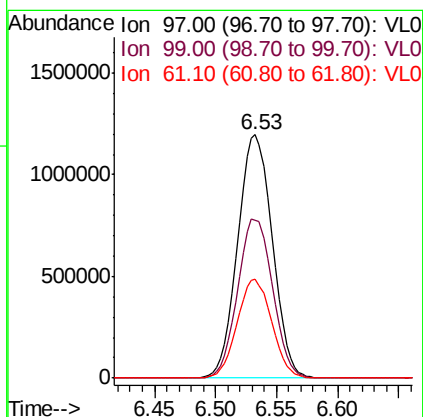
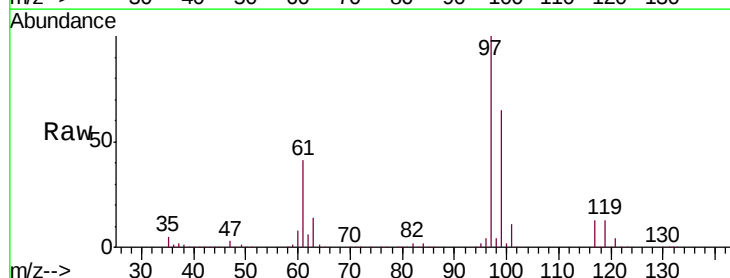
Tgt Ion: 61 Resp: 1285484
 Ion Ratio Lower Upper
 61 100
 96 88.6 71.4 107.2
 98 56.5 47.4 71.2

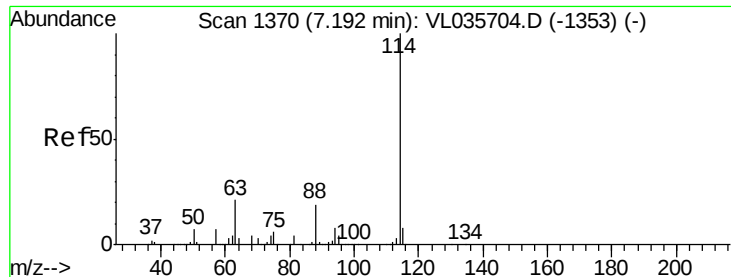


#32

1,1,1-Trichloroethane
 Concen: 10.649 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 97 Resp: 2353805
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.7 79.1
 61 40.5 32.7 49.1

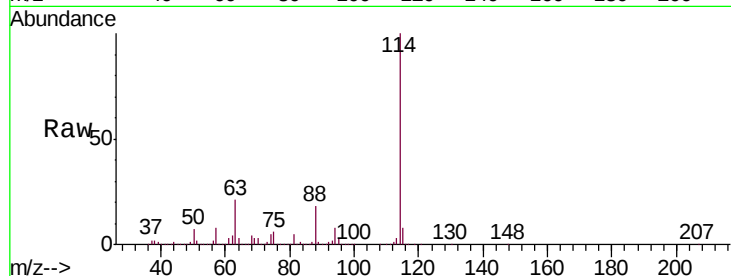




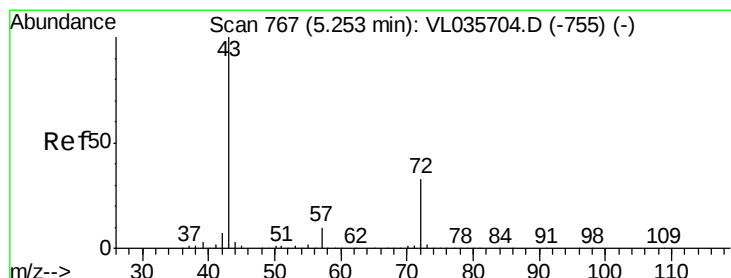
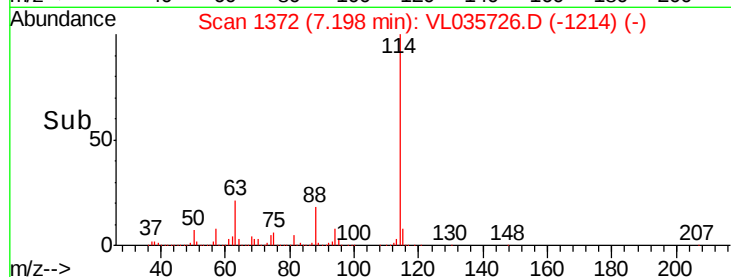
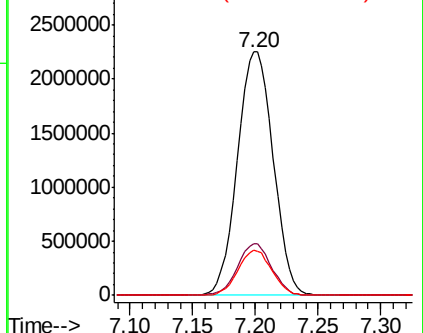
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tgt Ion:114 Resp: 4466533
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.1 24.1
 88 17.5 14.1 21.1

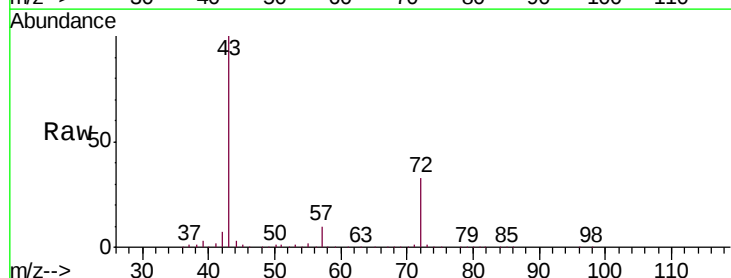


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

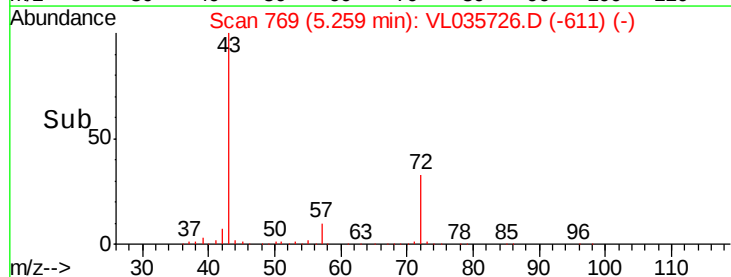
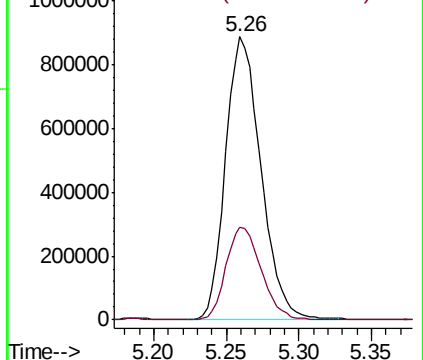


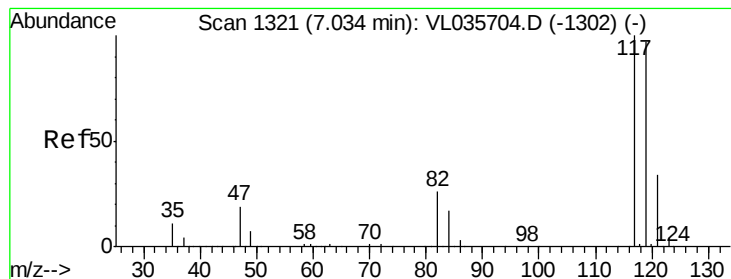
#34
 2-Butanone
 Concen: 10.115 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 43 Resp: 1494325
 Ion Ratio Lower Upper
 43 100
 72 32.8 26.1 39.1



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





#35

Carbon Tetrachloride

Concen: 10.486 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

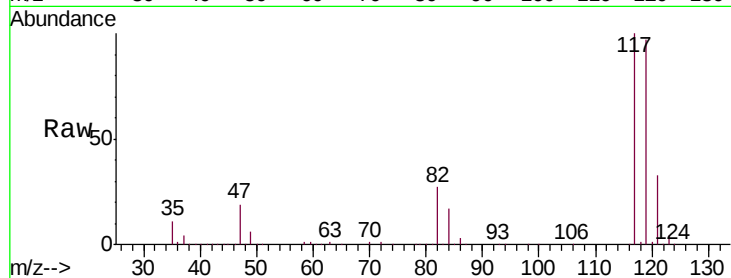
Tgt Ion: 117 Resp: 2441940

Ion Ratio Lower Upper

117 100

119 97.4 77.7 116.5

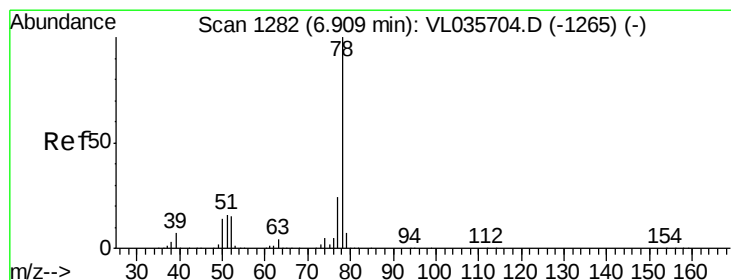
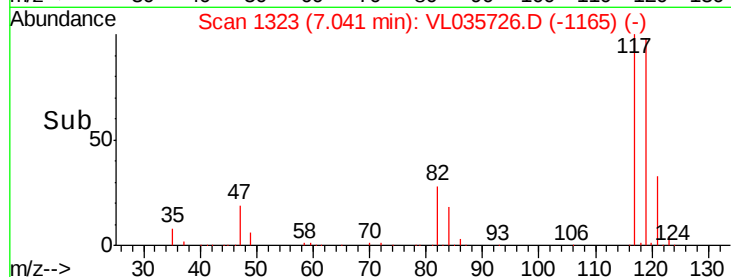
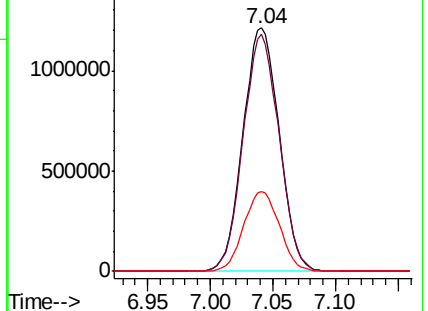
121 32.9 26.9 40.3



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: 10.407 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

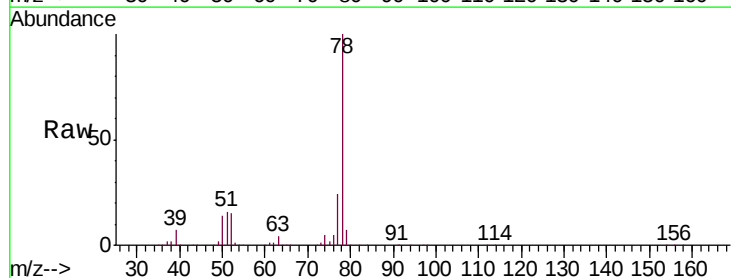
Tgt Ion: 78 Resp: 3028926

Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9

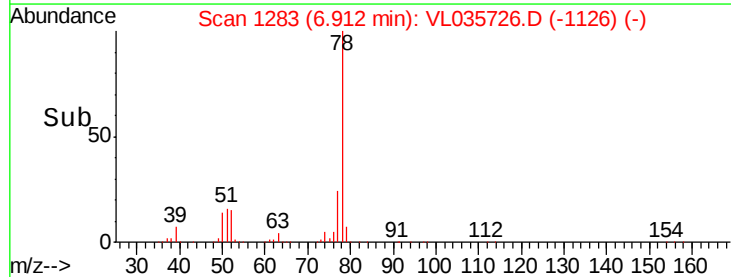
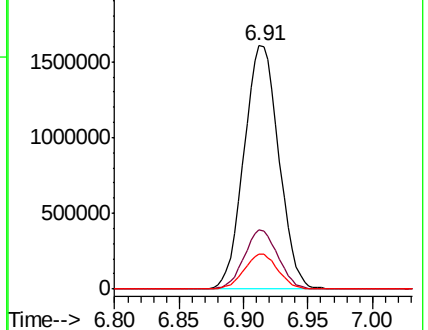
50 14.4 11.6 17.4

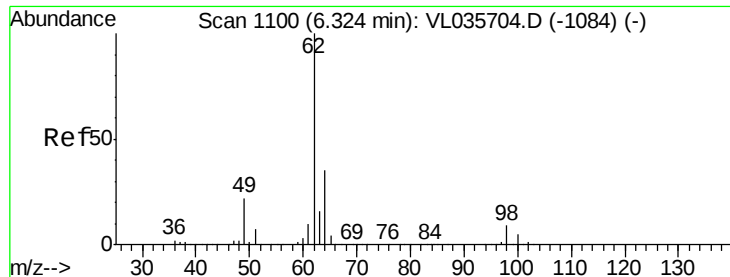


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

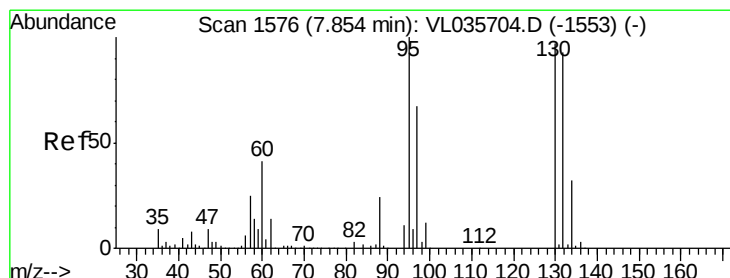
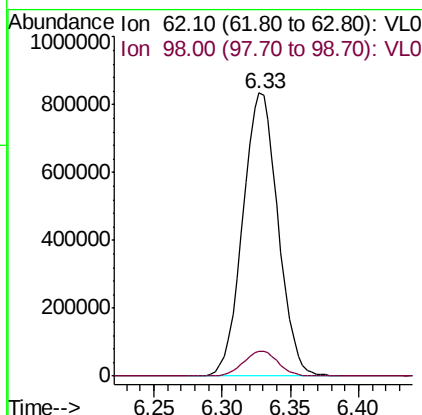
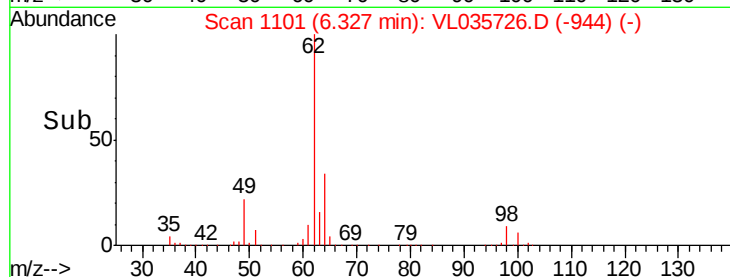
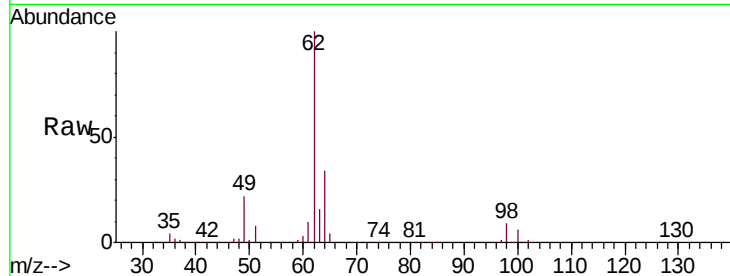




#37
 1,2-Dichloroethane
 Concen: 9.839 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

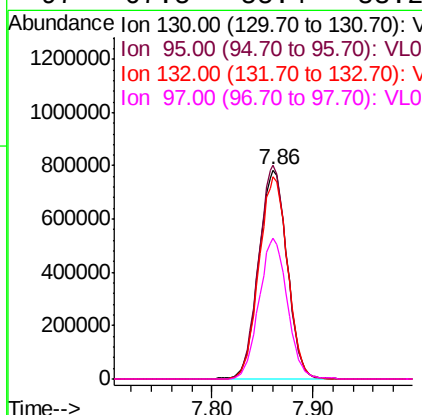
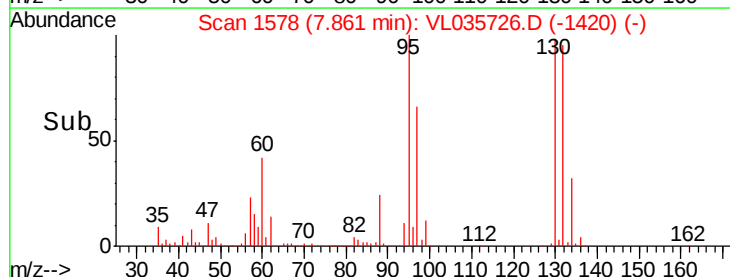
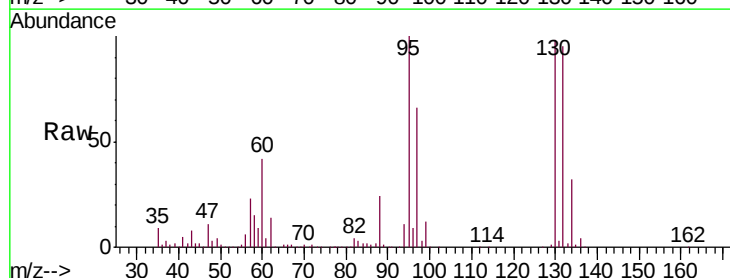
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

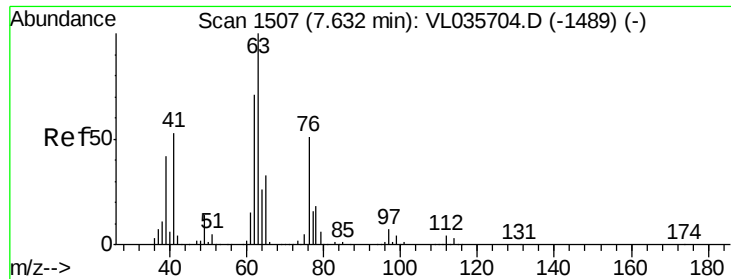
Tgt Ion: 62 Resp: 1492516
 Ion Ratio Lower Upper
 62 100
 98 8.7 6.9 10.3



#38
 Trichloroethene
 Concen: 10.599 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 130 Resp: 1538825
 Ion Ratio Lower Upper
 130 100
 95 102.1 82.4 123.6
 132 96.7 76.8 115.2
 97 67.5 55.4 83.2

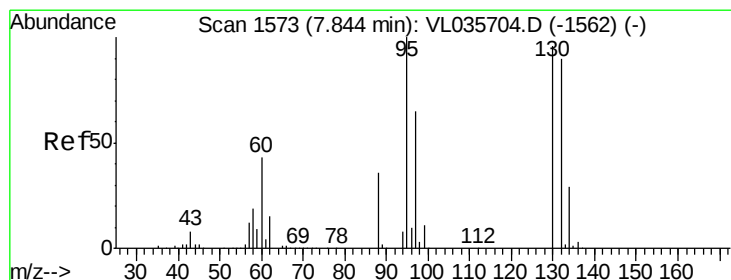
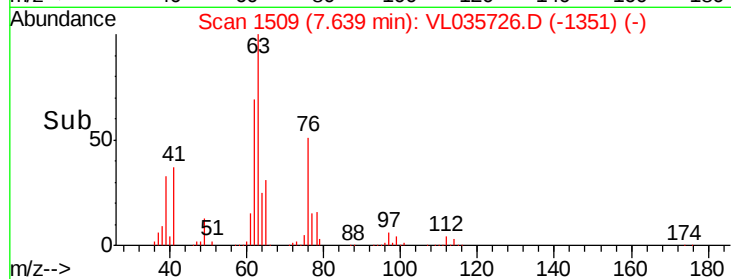
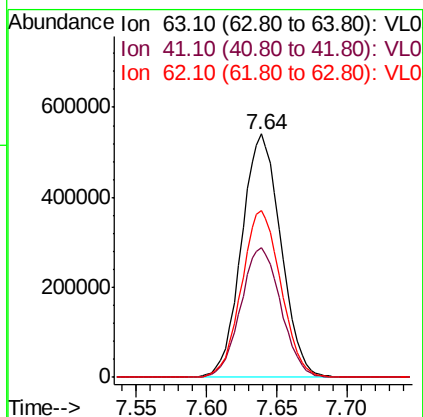
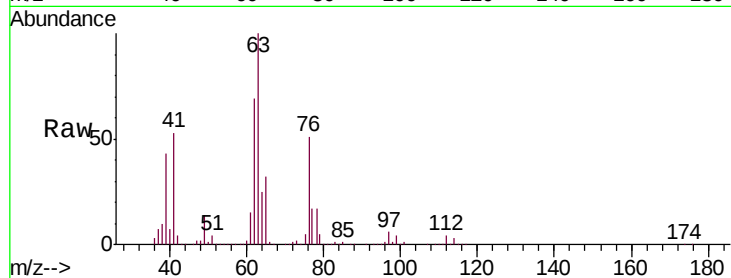




#39
 1,2-Dichloropropane
 Concen: 9.985 ppbv
 RT: 7.64 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

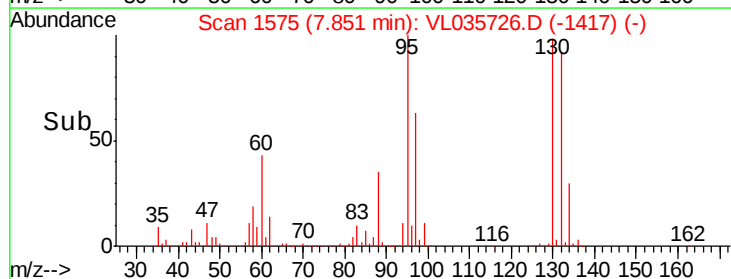
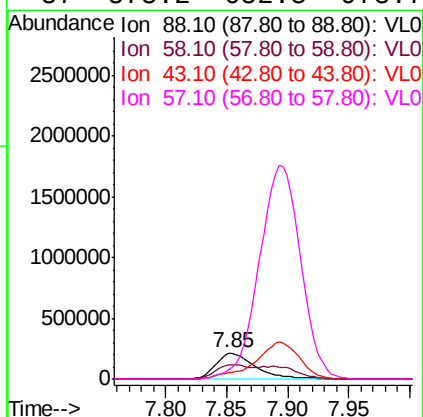
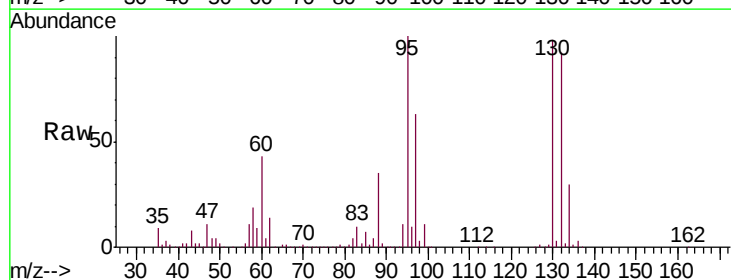
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

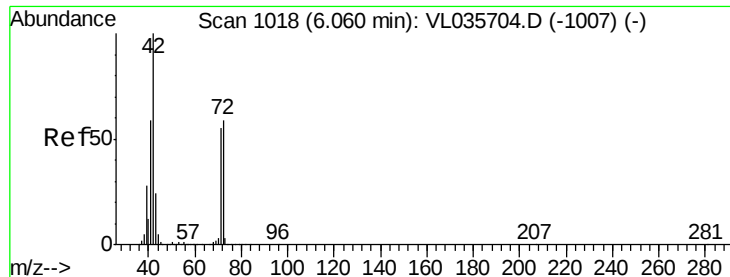
Tgt Ion: 63 Resp: 1053356
 Ion Ratio Lower Upper
 63 100
 41 53.3 42.6 63.8
 62 68.6 56.5 84.7



#40
 1,4-Dioxane
 Concen: 9.802 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 88 Resp: 472894
 Ion Ratio Lower Upper
 88 100
 58 99.4 76.2 114.4
 43 164.5 123.4 185.2
 57 878.2 652.5 978.7





#41

Tetrahydrofuran

Concen: 11.443 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

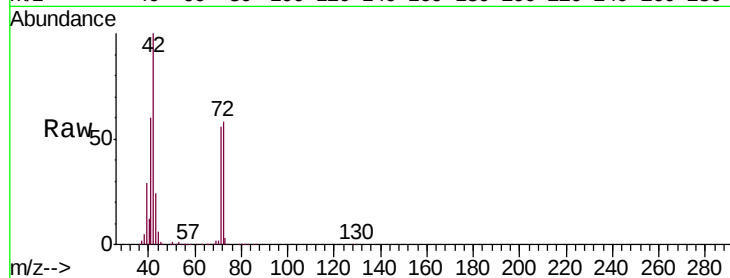
Tgt Ion: 42 Resp: 851673

Ion Ratio Lower Upper

42 100

72 57.2 46.2 69.4

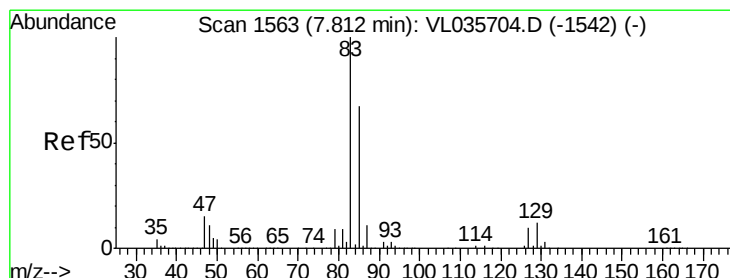
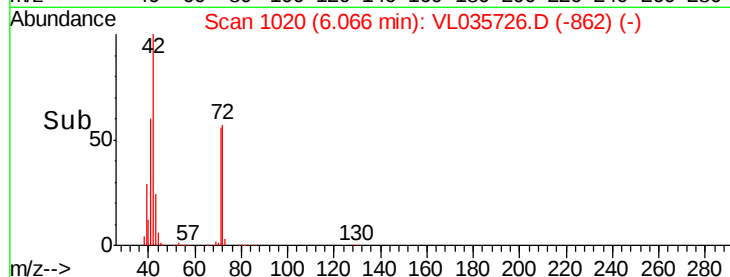
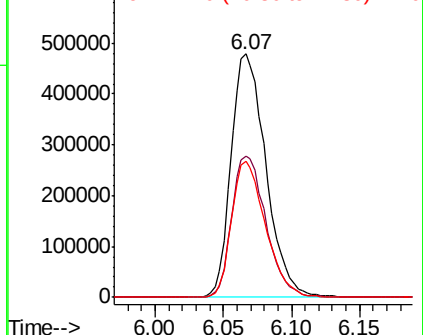
71 54.7 44.2 66.4



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: 10.282 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

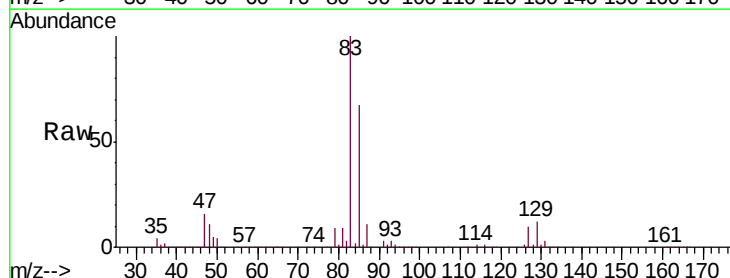
Tgt Ion: 83 Resp: 2512410

Ion Ratio Lower Upper

83 100

85 66.9 53.4 80.0

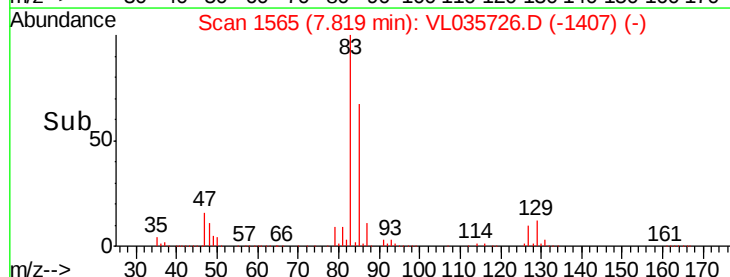
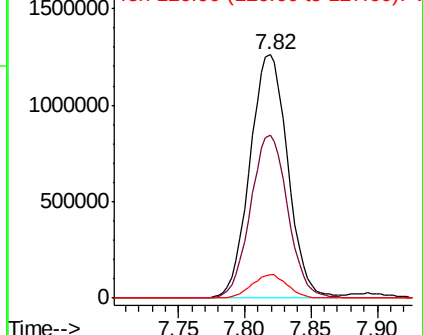
127 9.7 7.8 11.6

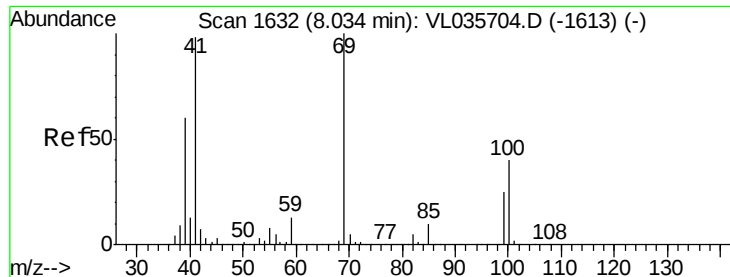


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

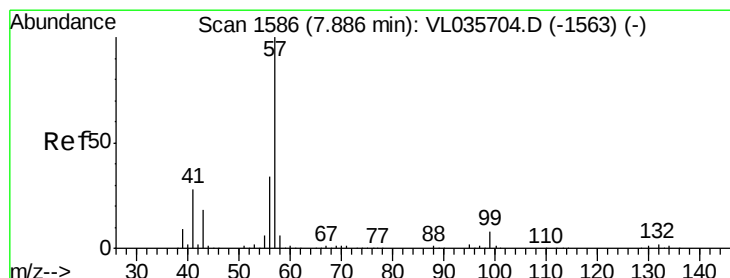
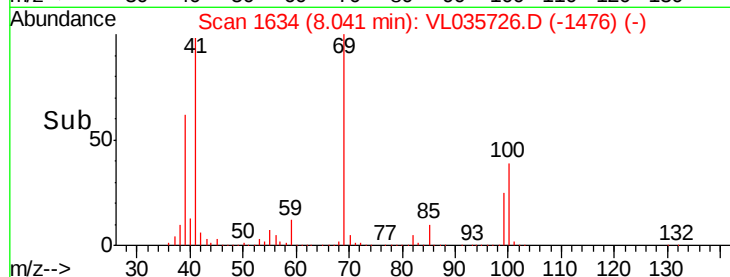
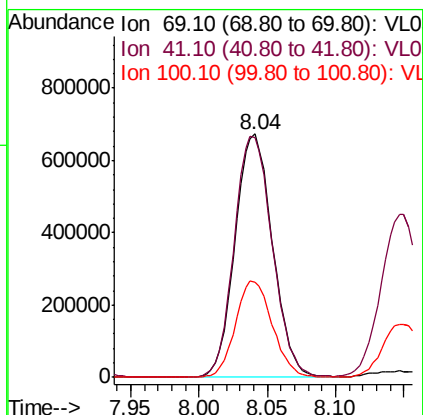
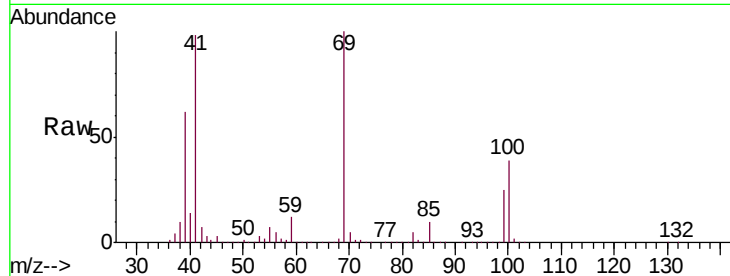




#43
Methyl Methacrylate
Concen: 11.128 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

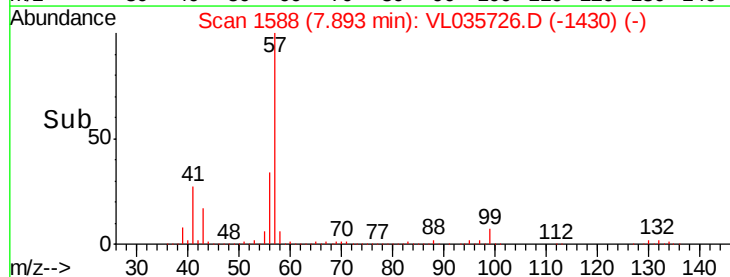
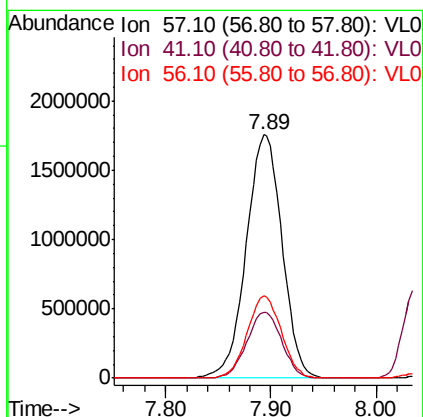
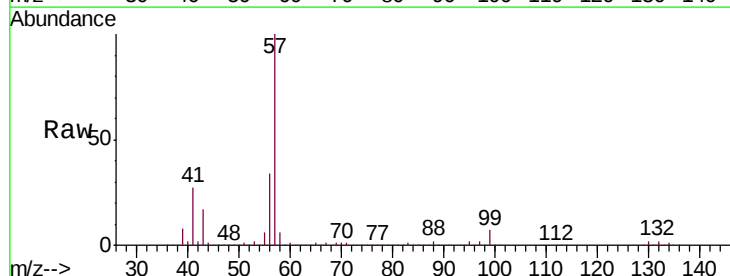
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

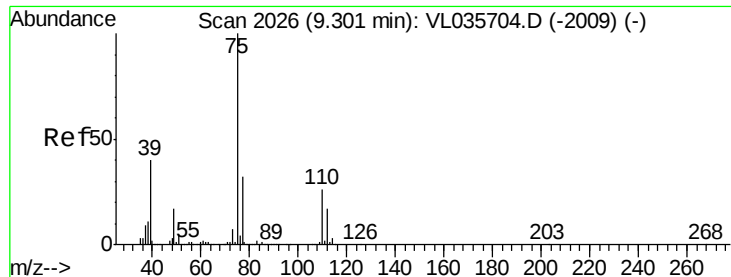
Tgt Ion: 69 Resp: 1288055
Ion Ratio Lower Upper
69 100
41 100.7 79.8 119.6
100 38.9 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 9.927 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 57 Resp: 4145838
Ion Ratio Lower Upper
57 100
41 26.5 21.2 31.8
56 32.2 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 12.306 ppbv

RT: 9.31 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

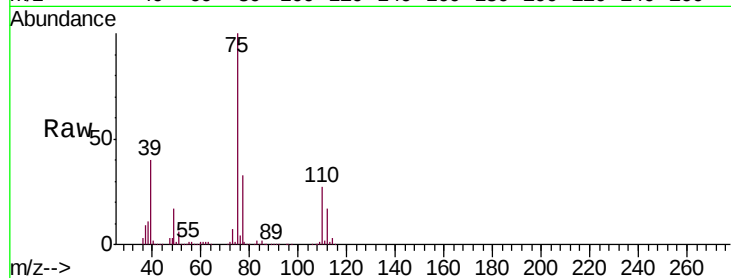
VL0929ABS01

Tgt Ion: 75 Resp: 1438154

Ion Ratio Lower Upper

75 100

77 33.5 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

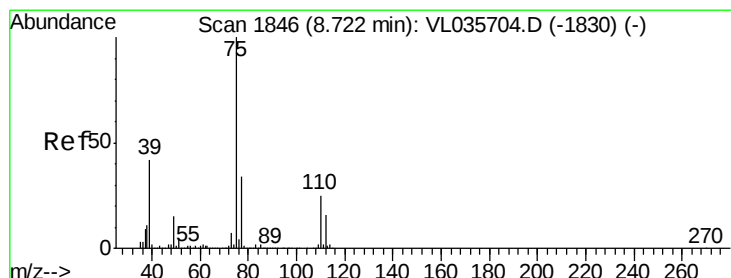
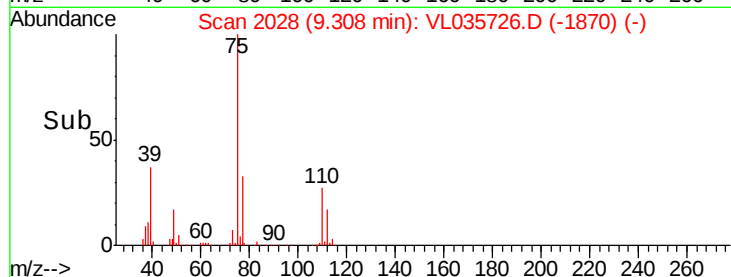
400000

200000

0

9.20 9.25 9.30 9.35 9.40

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.951 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

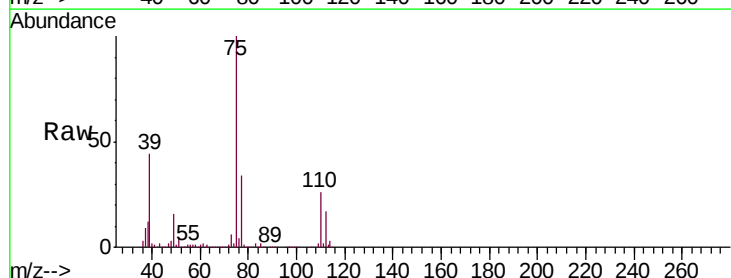
Tgt Ion: 75 Resp: 1721628

Ion Ratio Lower Upper

75 100

39 43.6 33.9 50.9

77 33.9 27.4 41.0



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

1200000

1000000

800000

600000

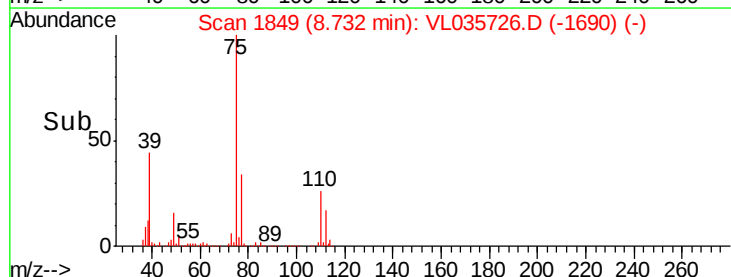
400000

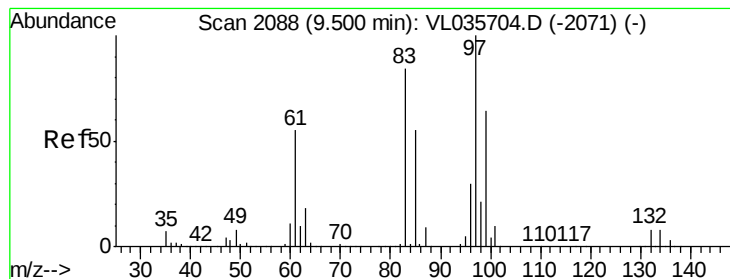
200000

0

8.65 8.70 8.75 8.80

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.826 ppbv

RT: 9.51 min Scan# 2090

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tgt Ion: 97 Resp: 1484681

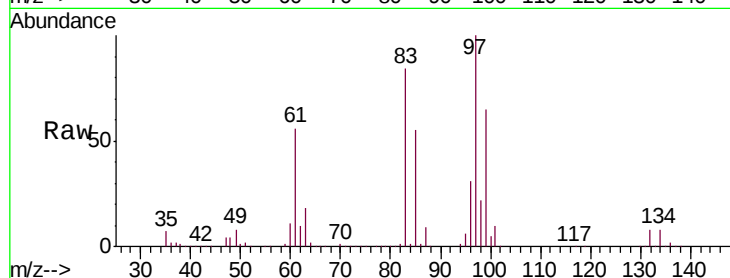
Ion Ratio Lower Upper

97 100

83 84.3 67.1 100.7

85 55.0 43.9 65.9

99 65.1 51.3 76.9

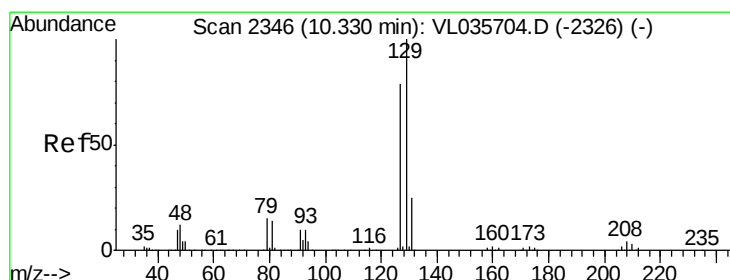
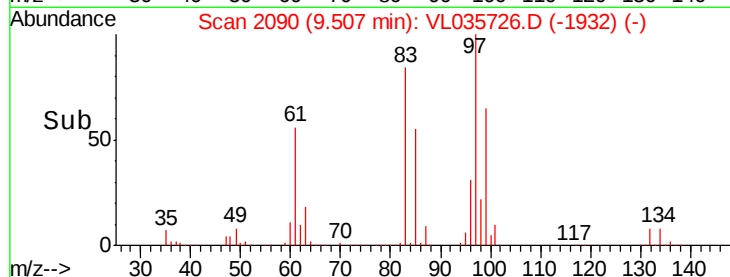
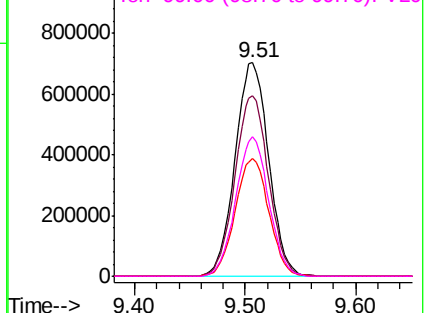


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.963 ppbv

RT: 10.34 min Scan# 2348

Delta R.T. 0.01 min

Lab File: VL035726.D

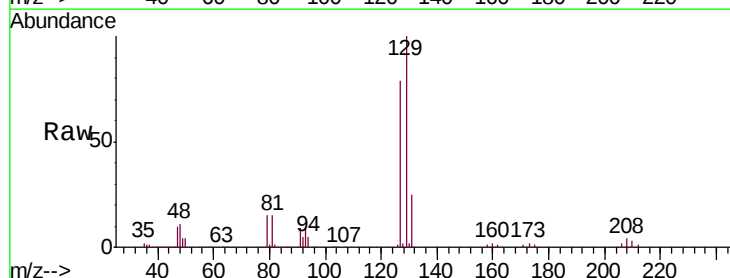
Acq: 29 Sep 2020 15:26

Tgt Ion: 129 Resp: 2521024

Ion Ratio Lower Upper

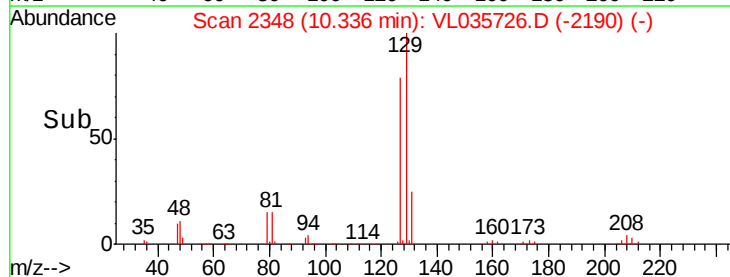
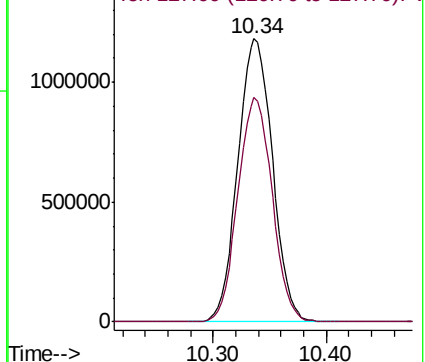
129 100

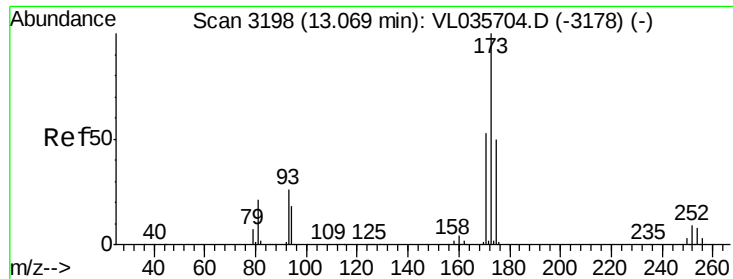
127 78.7 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

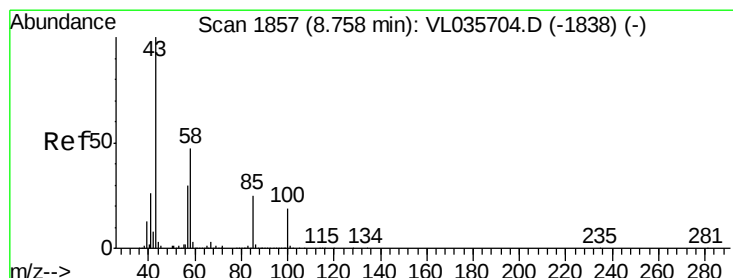
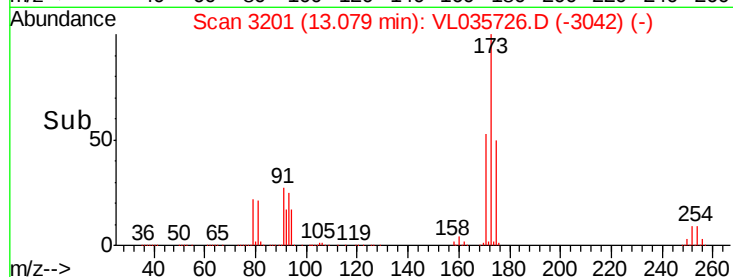
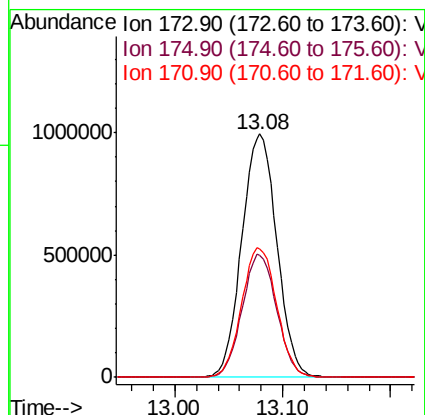
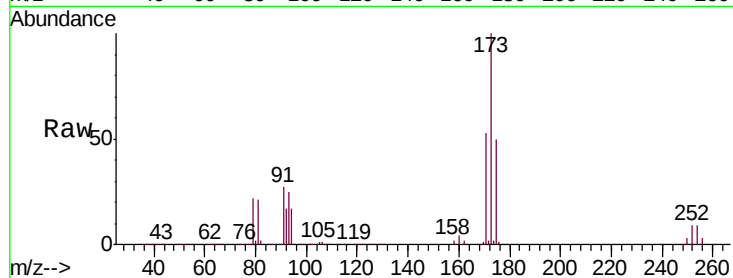




#49
Bromoform
Concen: 11.541 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

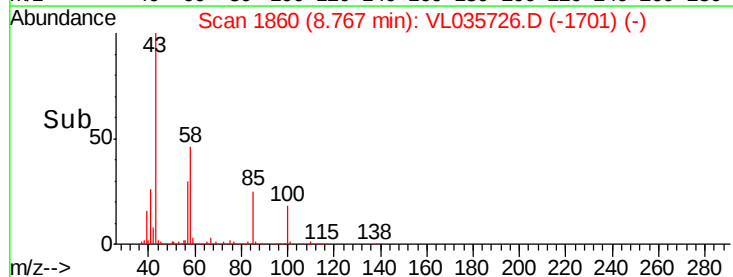
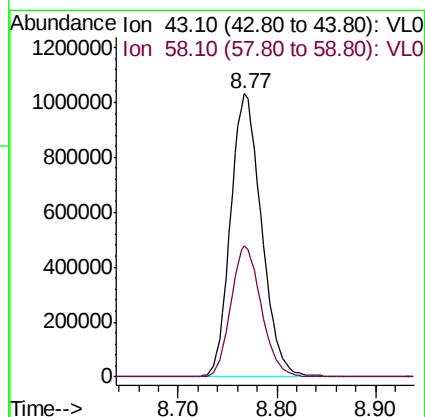
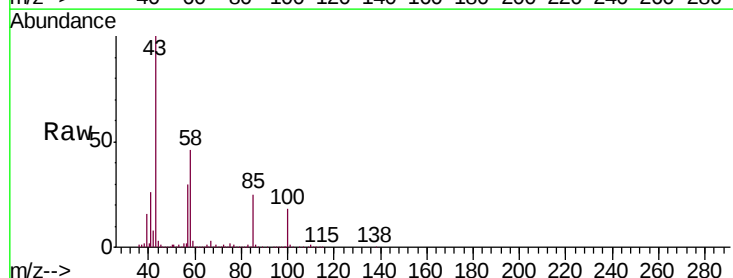
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

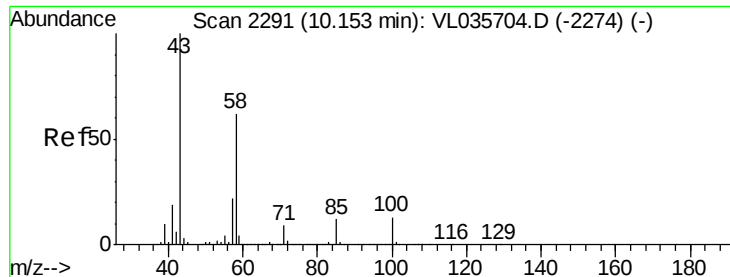
Tgt Ion:173 Resp: 2251857
Ion Ratio Lower Upper
173 100
175 50.0 39.8 59.6
171 53.3 42.8 64.2



#50
4-Methyl-2-Pentanone
Concen: 10.455 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 43 Resp: 2256019
Ion Ratio Lower Upper
43 100
58 45.5 36.6 54.8

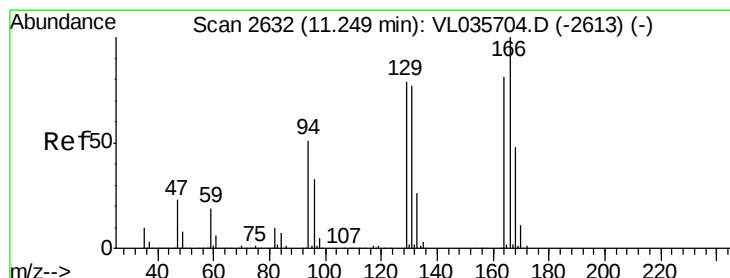
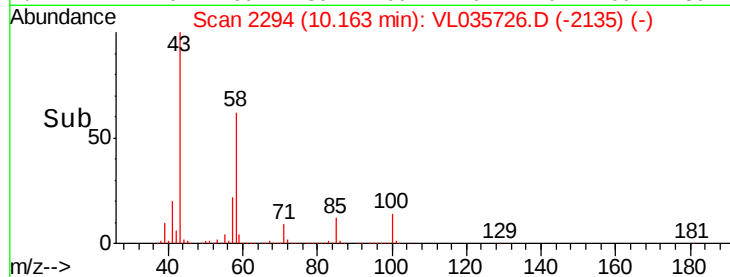
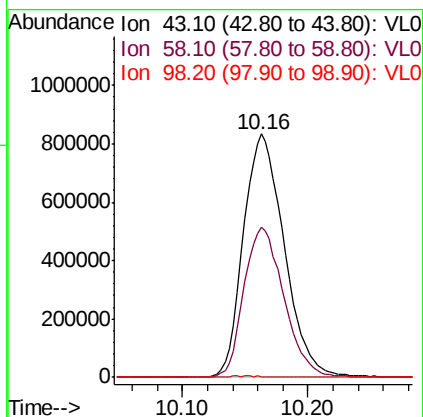
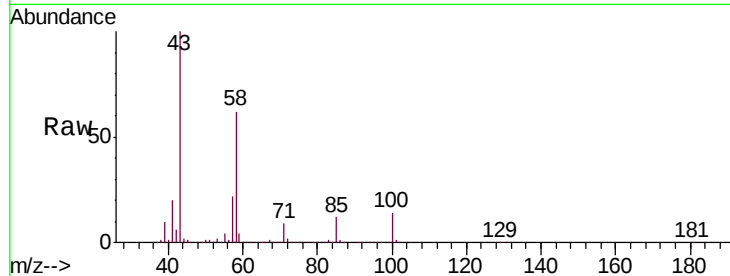




#51
2-Hexanone
Concen: 10.815 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

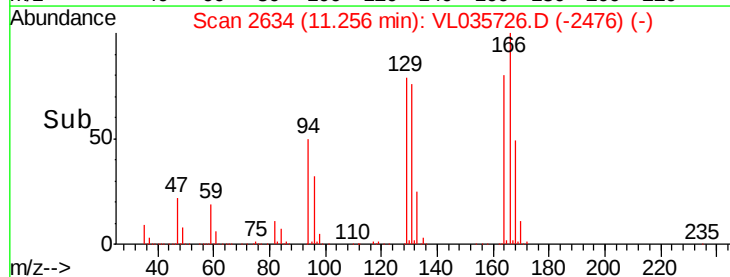
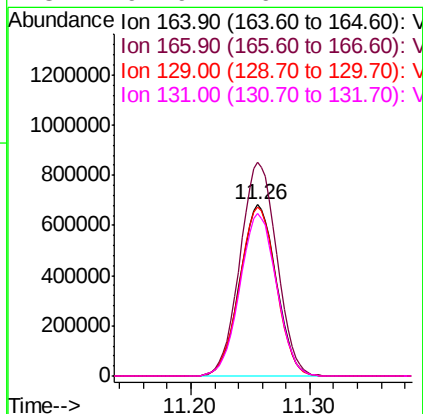
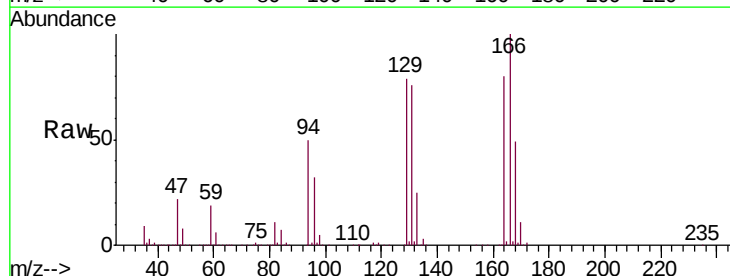
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

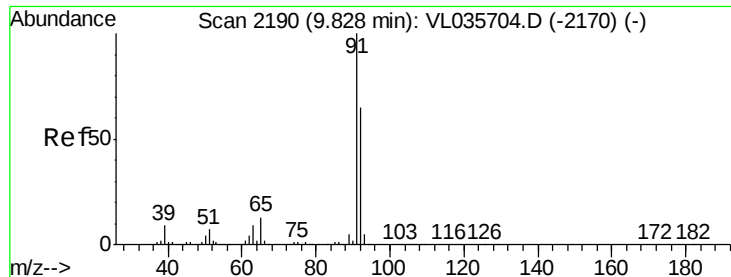
Tgt Ion: 43 Resp: 1880161
Ion Ratio Lower Upper
43 100
58 60.8 48.7 73.1
98 0.8 0.7 1.1



#52
Tetrachloroethene
Concen: 10.321 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 164 Resp: 1444543
Ion Ratio Lower Upper
164 100
166 124.7 98.7 148.1
129 98.4 78.4 117.6
131 94.9 76.2 114.2





#53

Toluene

Concen: 11.116 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

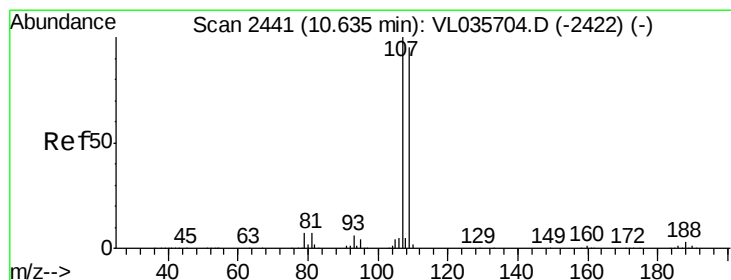
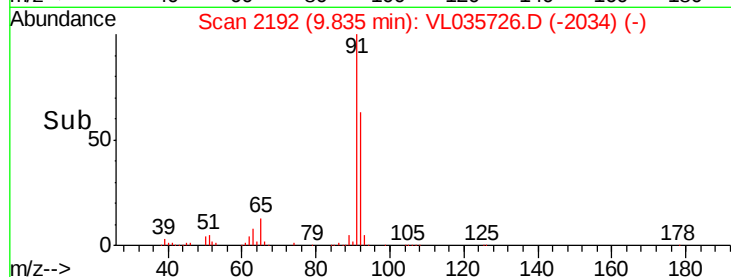
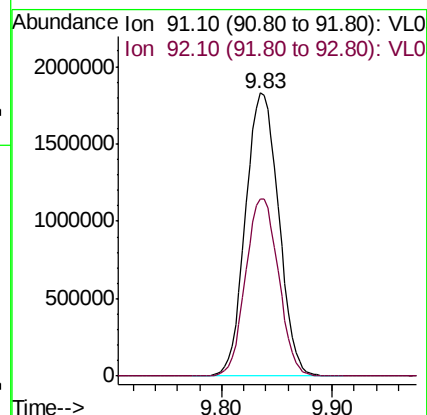
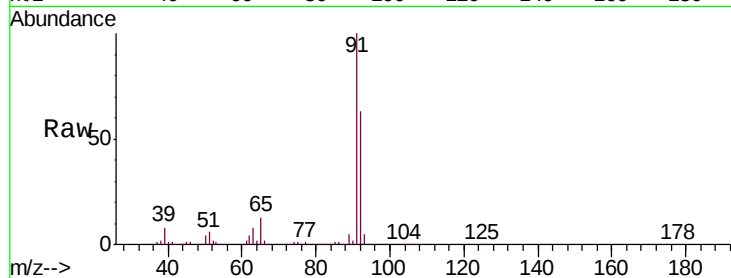
VL0929ABS01

Tgt Ion: 91 Resp: 3814985

Ion Ratio Lower Upper

91 100

92 62.2 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.263 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.01 min

Lab File: VL035726.D

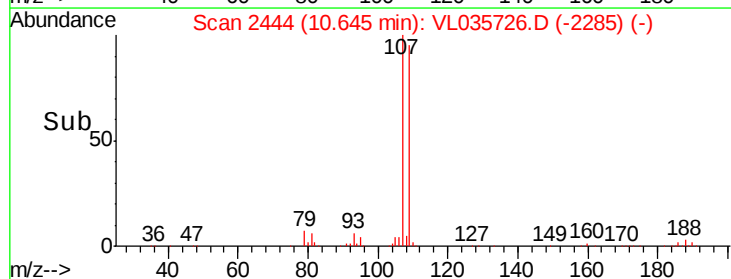
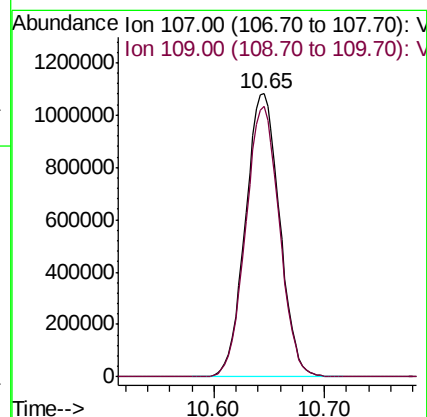
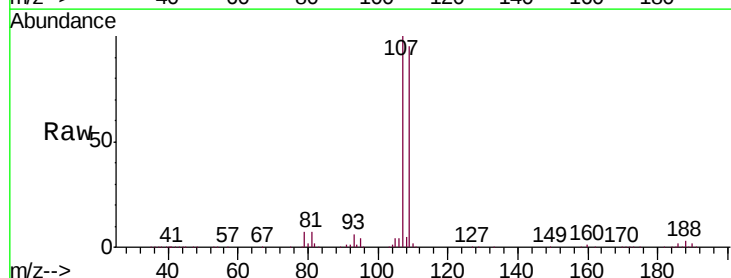
Acq: 29 Sep 2020 15:26

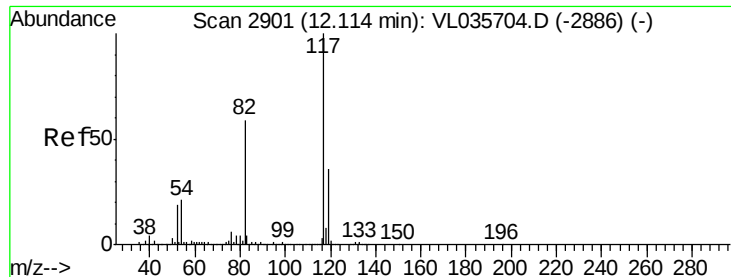
Tgt Ion: 107 Resp: 2322101

Ion Ratio Lower Upper

107 100

109 95.4 76.0 114.0

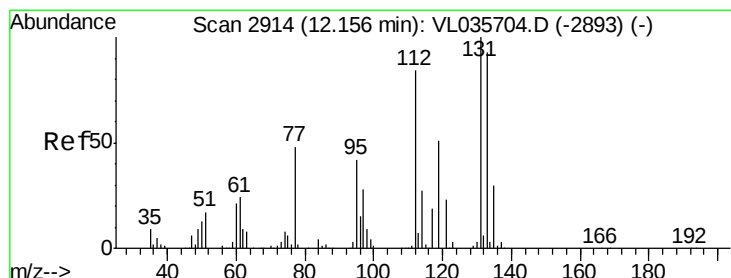
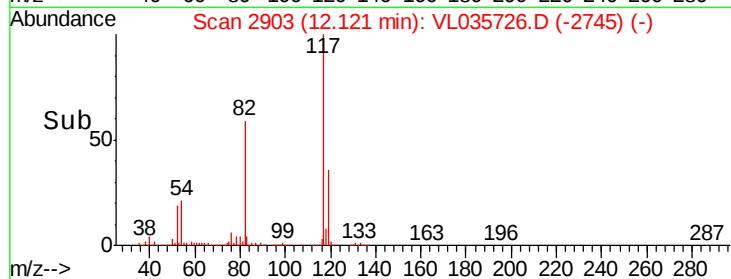
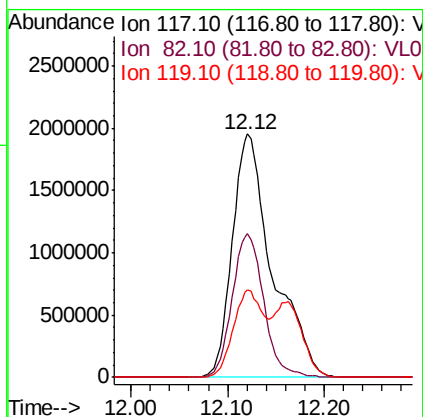
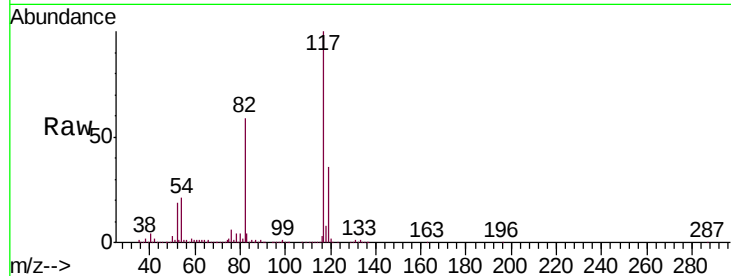




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

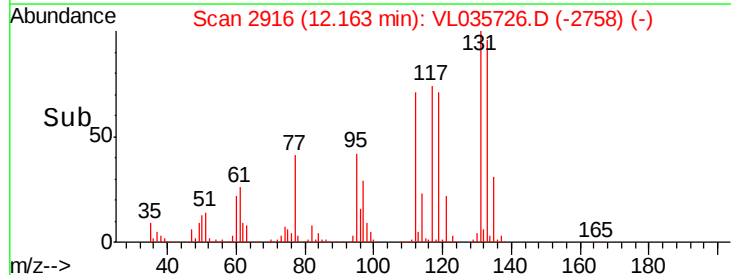
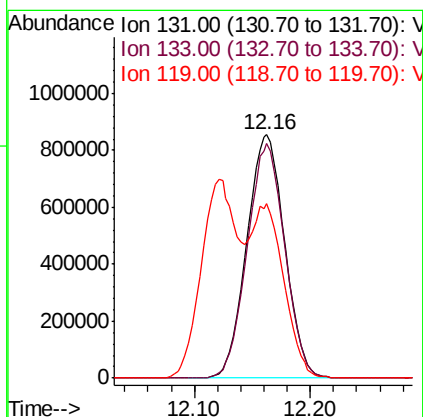
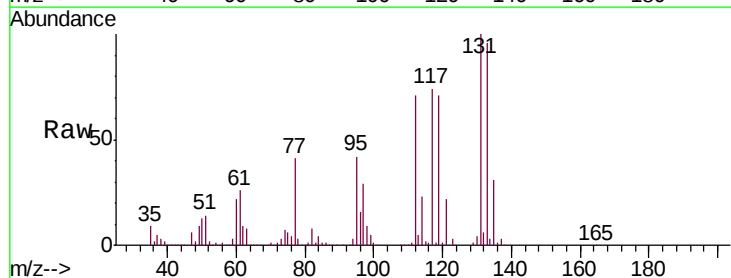
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

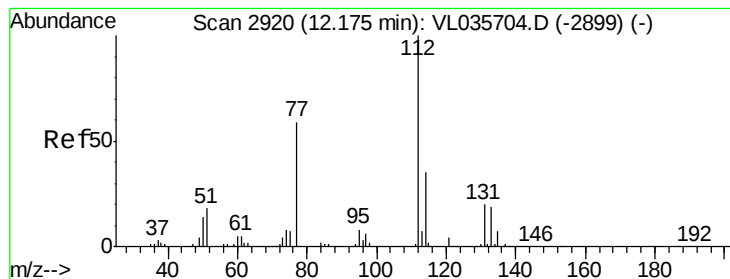
Tgt Ion:117 Resp: 5623173
Ion Ratio Lower Upper
117 100
82 46.5 46.1 69.1
119 29.3 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.233 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion:131 Resp: 1941110
Ion Ratio Lower Upper
131 100
133 95.8 76.2 114.4
119 63.4 52.4 78.6





#57

Chlorobenzene

Concen: 7.619 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

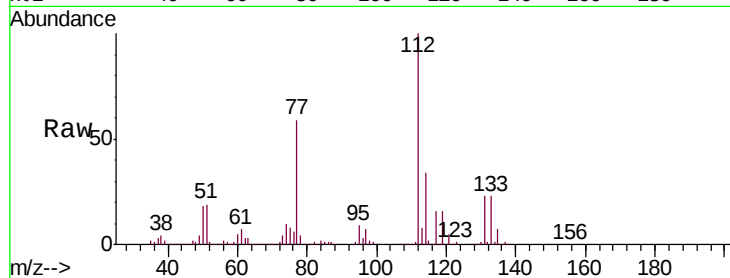
Tgt Ion: 112 Resp: 3235809

Ion Ratio Lower Upper

112 100

77 58.5 48.2 72.2

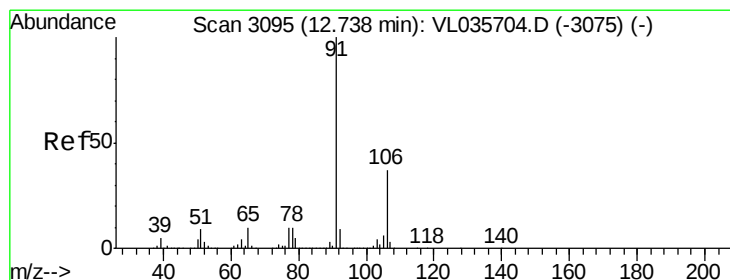
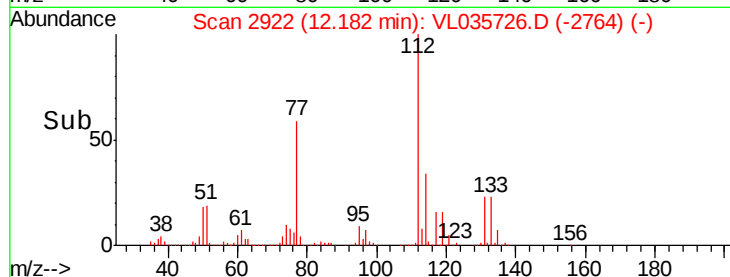
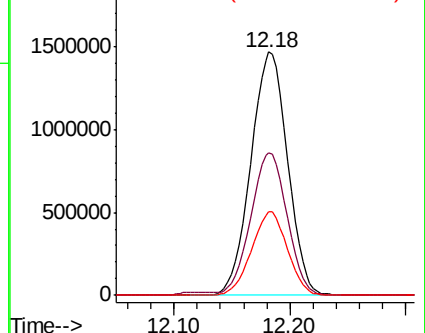
114 34.4 31.9 39.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.790 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.01 min

Lab File: VL035726.D

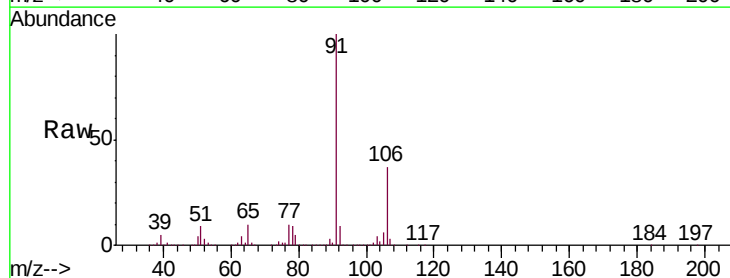
Acq: 29 Sep 2020 15:26

Tgt Ion: 91 Resp: 4961230

Ion Ratio Lower Upper

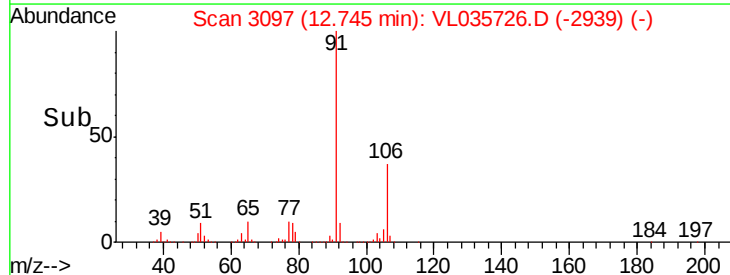
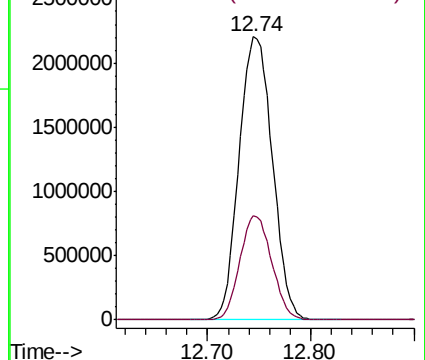
91 100

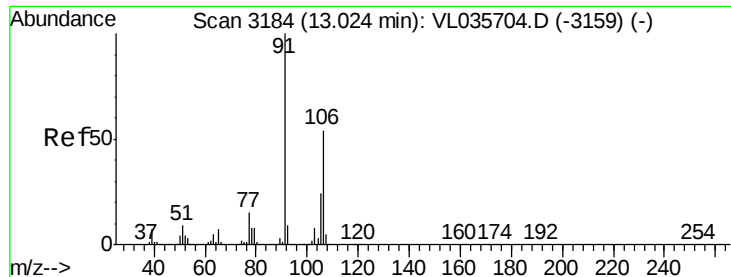
106 36.7 29.7 44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

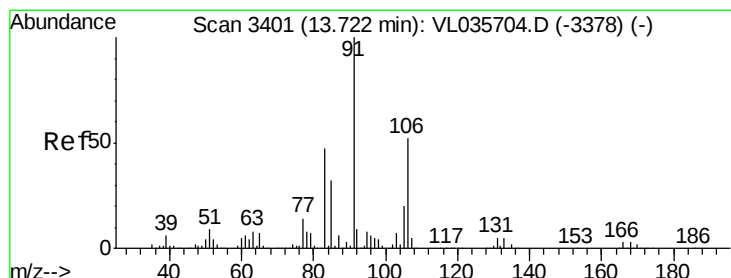
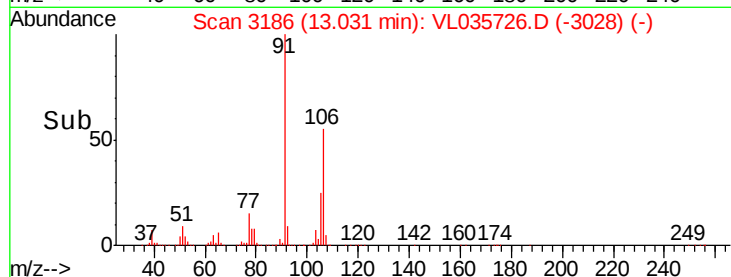
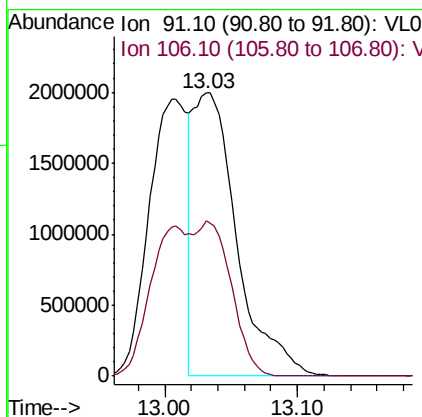
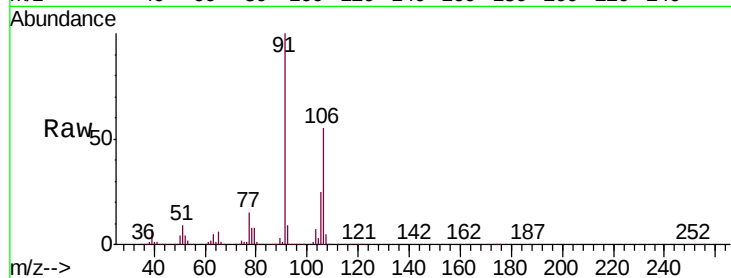




#59
m/p-Xylene
Concen: 9.216 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

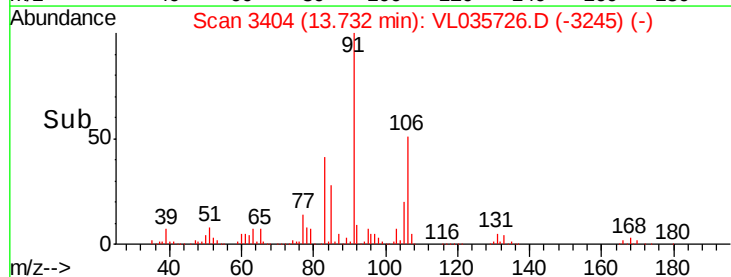
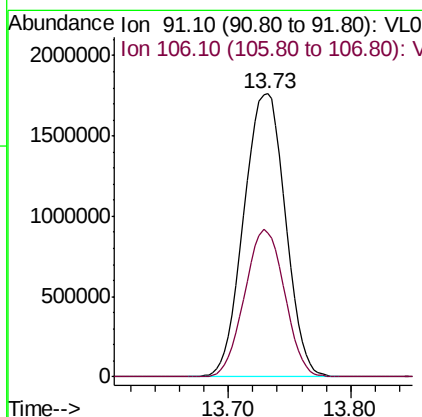
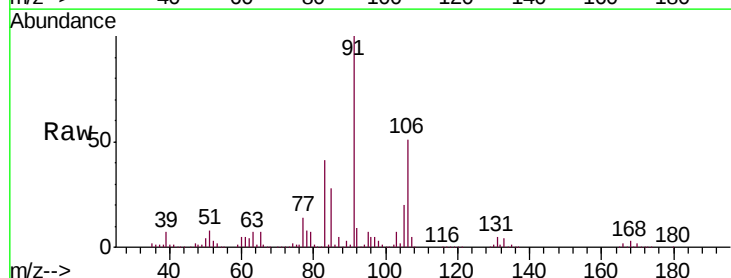
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

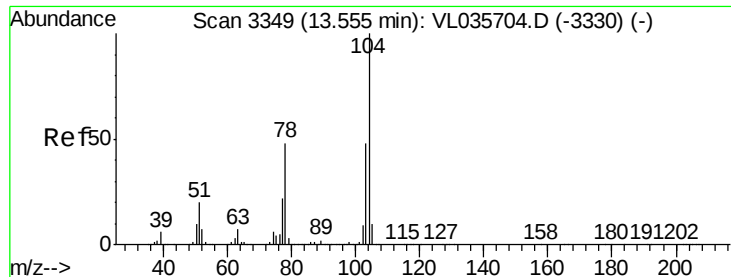
Tgt Ion: 91 Resp: 4542166
Ion Ratio Lower Upper
91 100
106 93.8 41.4 62.0#



#60
o-Xylene
Concen: 8.342 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 91 Resp: 4158937
Ion Ratio Lower Upper
91 100
106 50.1 25.0 75.0





#61

Styrene

Concen: 9.441 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

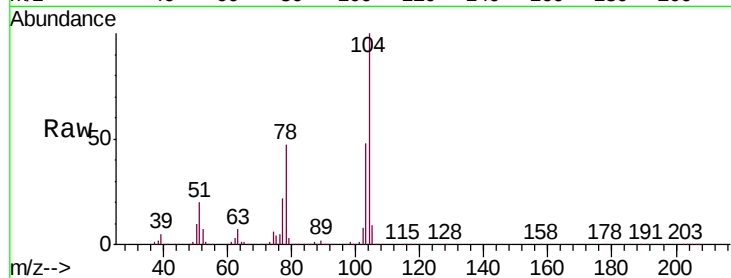
Tgt Ion:104 Resp: 3254845

Ion Ratio Lower Upper

104 100

78 45.9 37.2 55.8

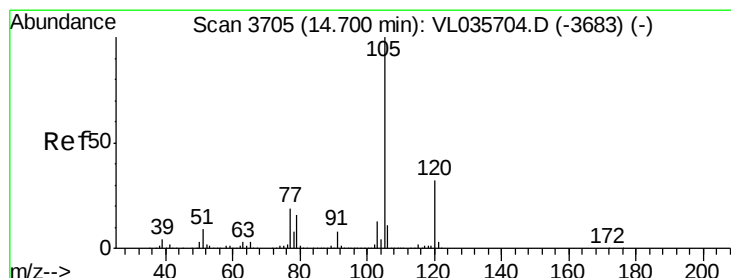
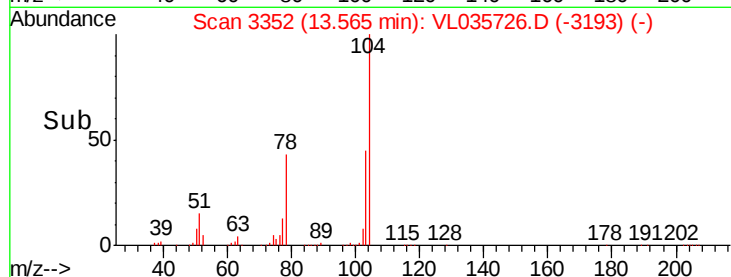
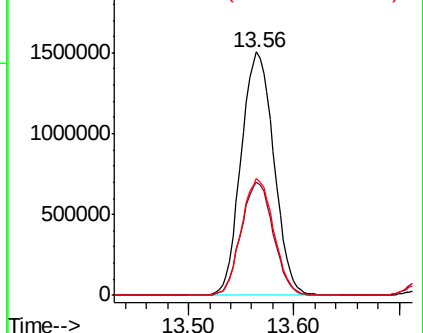
103 47.6 38.2 57.2



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: 8.123 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. 0.01 min

Lab File: VL035726.D

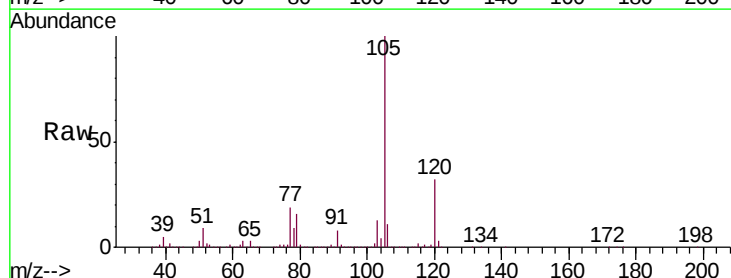
Acq: 29 Sep 2020 15:26

Tgt Ion:105 Resp: 6281869

Ion Ratio Lower Upper

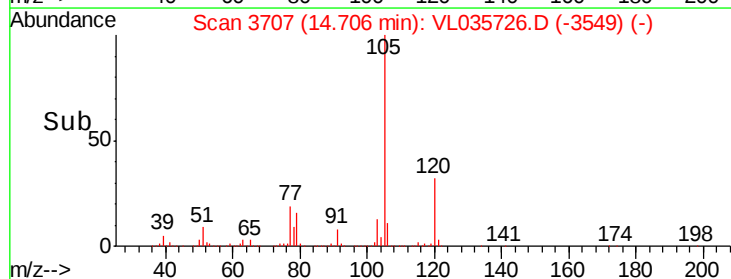
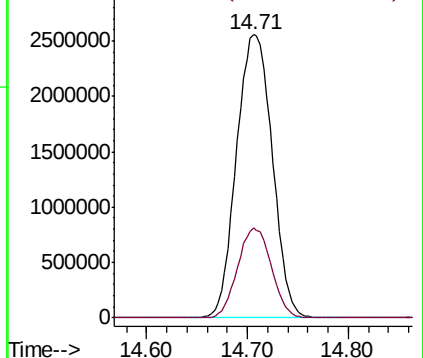
105 100

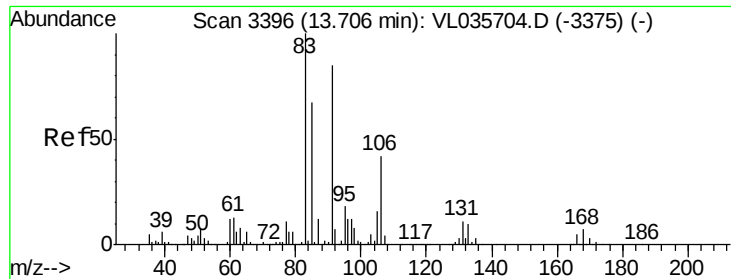
120 30.0 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

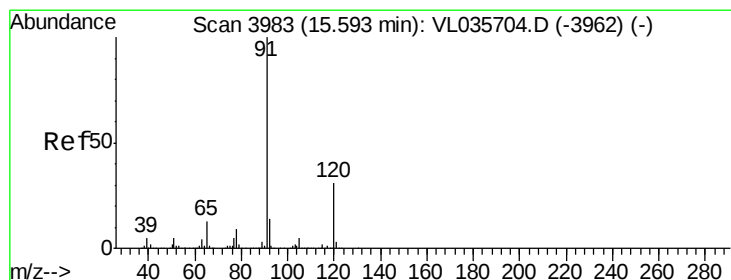
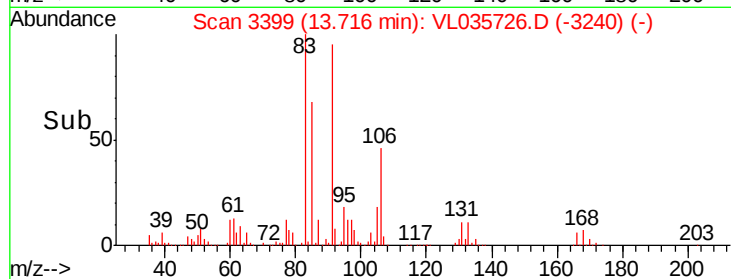
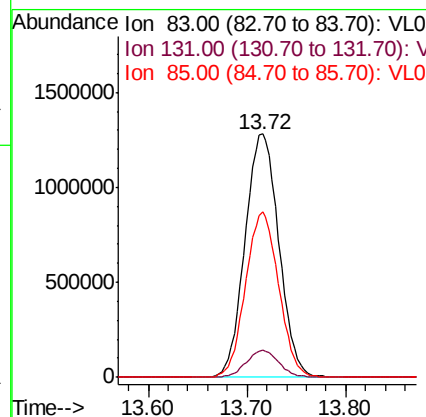
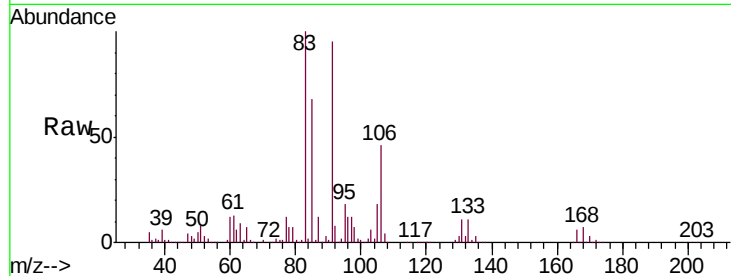




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.442 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

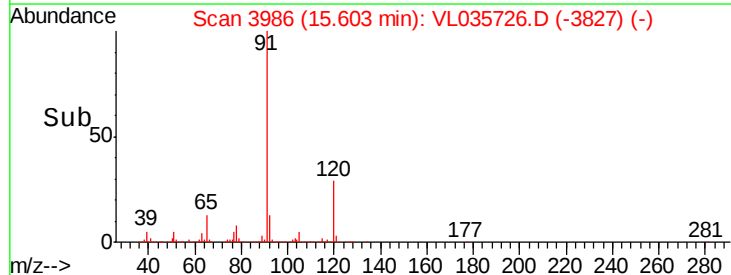
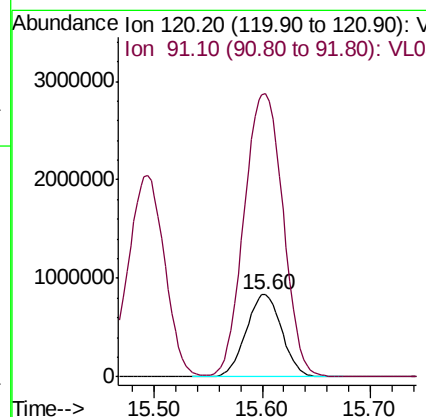
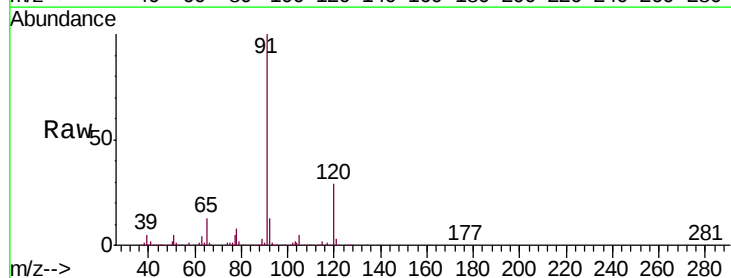
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

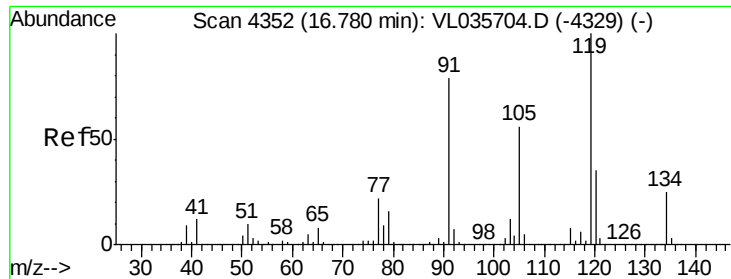
Tgt Ion: 83 Resp: 3042463
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.3 16.1
 85 66.5 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.516 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 120 Resp: 1927471
 Ion Ratio Lower Upper
 120 100
 91 376.2 300.4 450.6

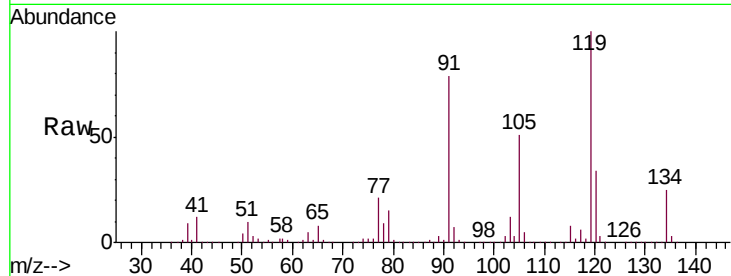




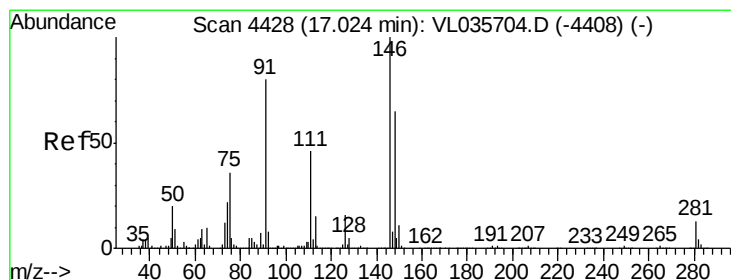
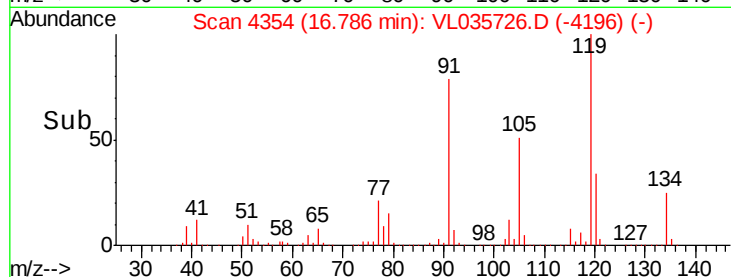
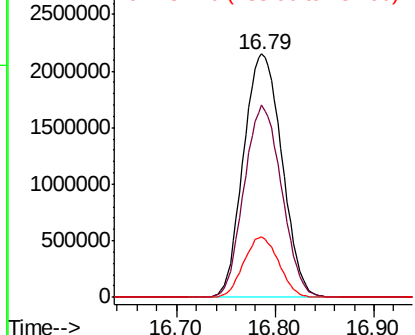
#65
tert-Butylbenzene
Concen: 8.248 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tgt Ion: 119 Resp: 5799488
Ion Ratio Lower Upper
119 100
91 77.0 62.4 93.6
134 22.6 18.2 27.2

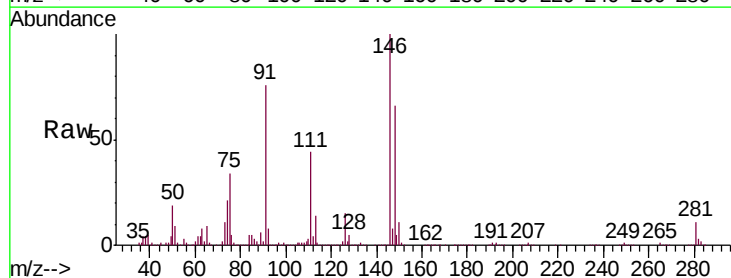


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

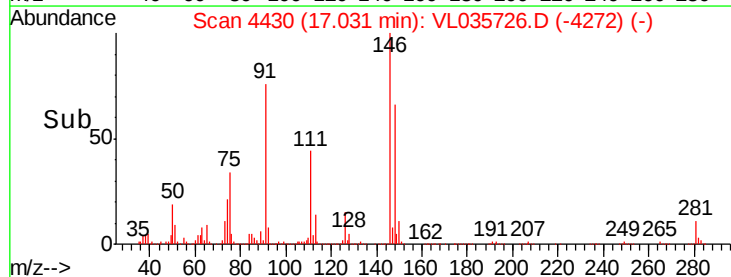
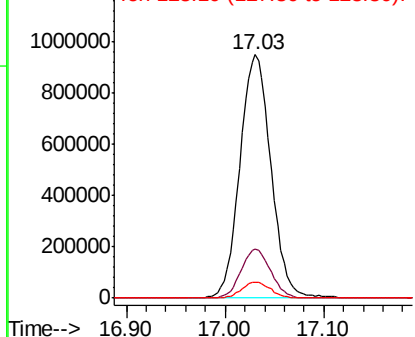


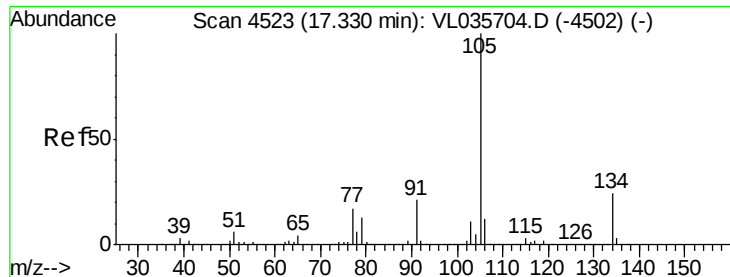
#66
Benzyl Chloride
Concen: 9.676 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 91 Resp: 2061297
Ion Ratio Lower Upper
91 100
126 19.3 15.3 22.9
128 6.3 5.0 7.4



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

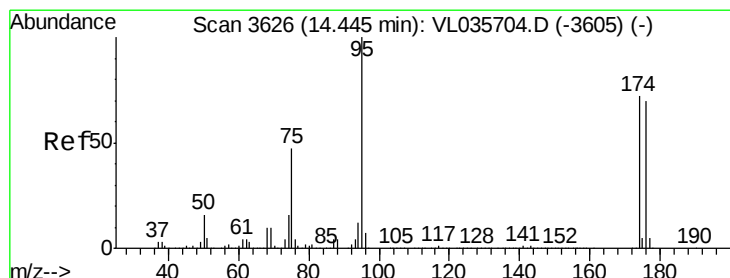
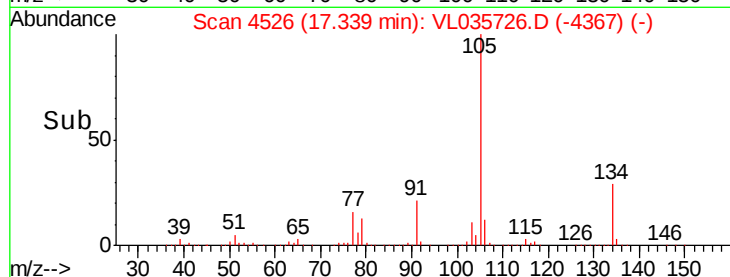
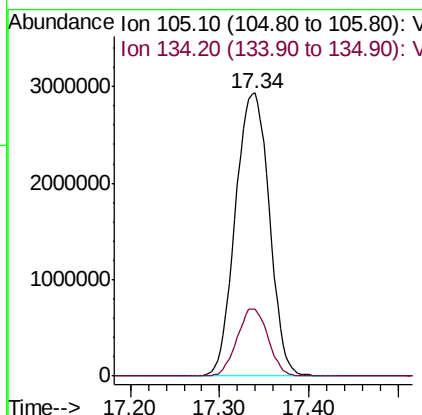
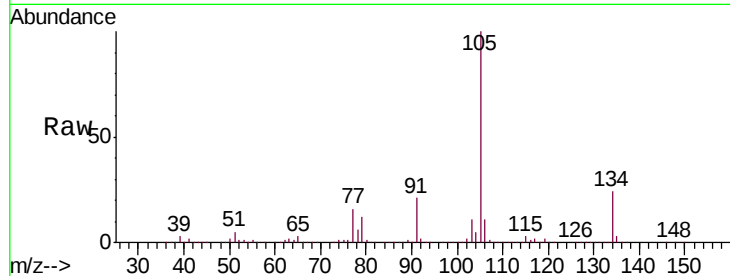




#67
 sec-Butylbenzene
 Concen: 7.980 ppbv
 RT: 17.34 min Scan# 4526
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

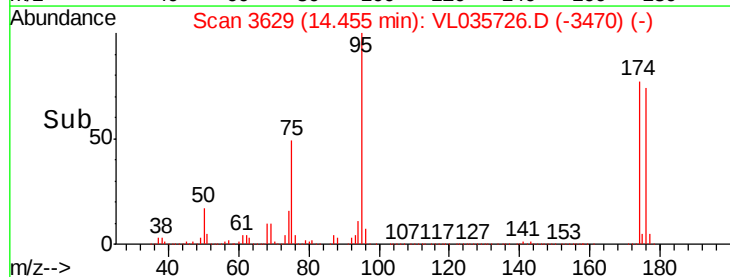
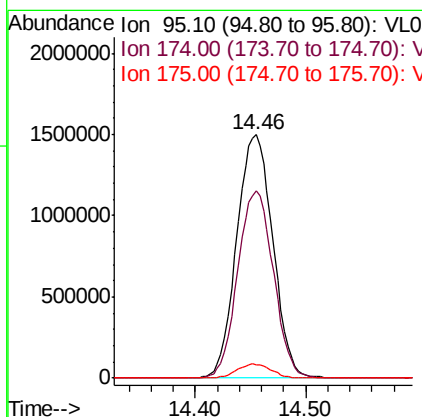
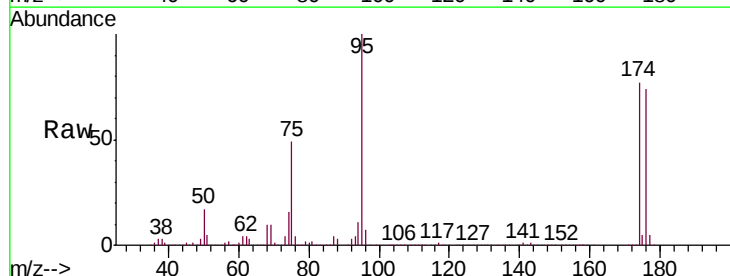
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

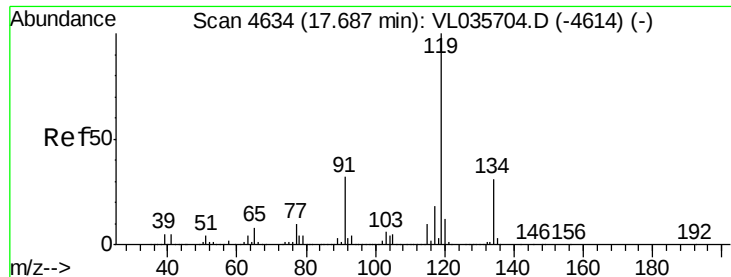
Tgt Ion: 105 Resp: 7748078
 Ion Ratio Lower Upper
 105 100
 134 21.9 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.057 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 95 Resp: 3395095
 Ion Ratio Lower Upper
 95 100
 174 76.5 59.6 89.4
 175 5.5 4.2 6.4

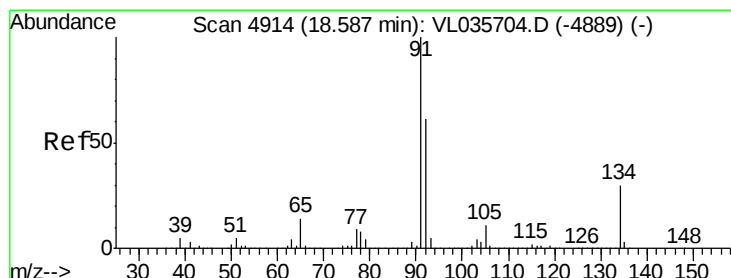
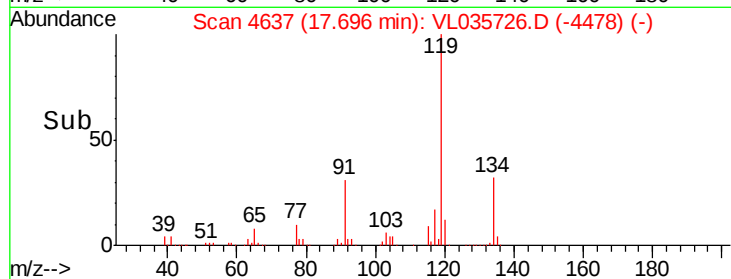
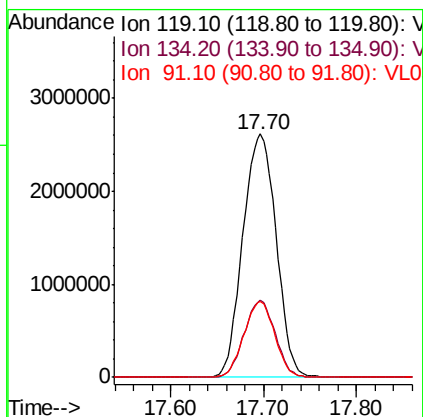
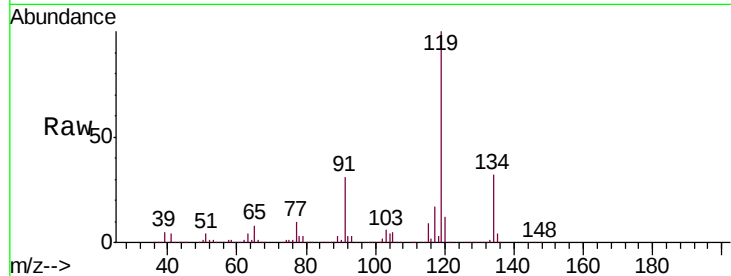




#69
p-Isopropyltoluene
Concen: 8.260 ppbv
RT: 17.70 min Scan# 4637
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

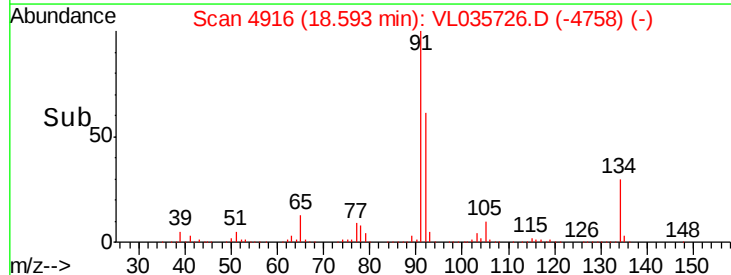
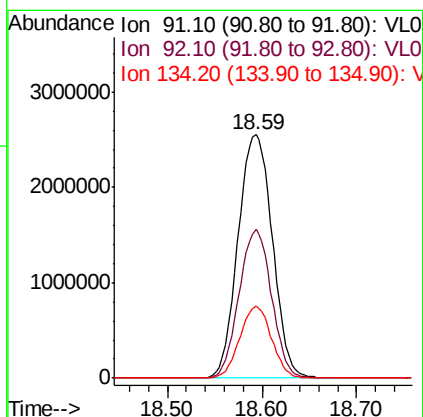
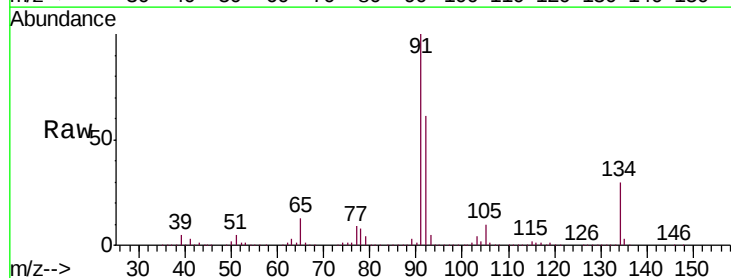
Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

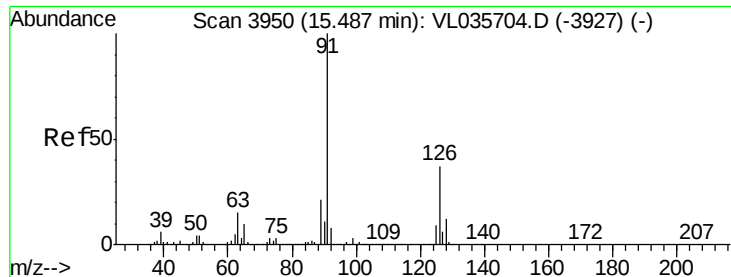
Tgt Ion: 119 Resp: 6524935
Ion Ratio Lower Upper
119 100
134 29.6 23.9 35.9
91 29.0 23.8 35.6



#70
n-Butylbenzene
Concen: 7.921 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 91 Resp: 6443113
Ion Ratio Lower Upper
91 100
92 57.8 47.0 70.4
134 27.4 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.476 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

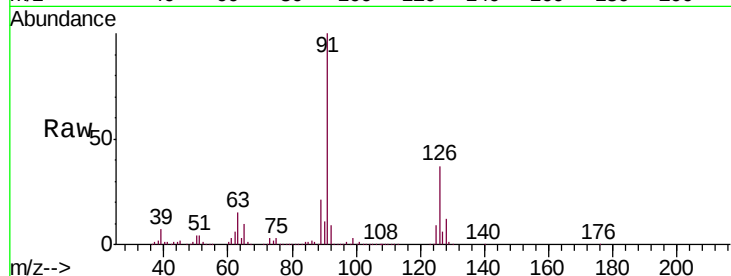
VL0929ABS01

Tgt Ion: 91 Resp: 4781139

Ion Ratio Lower Upper

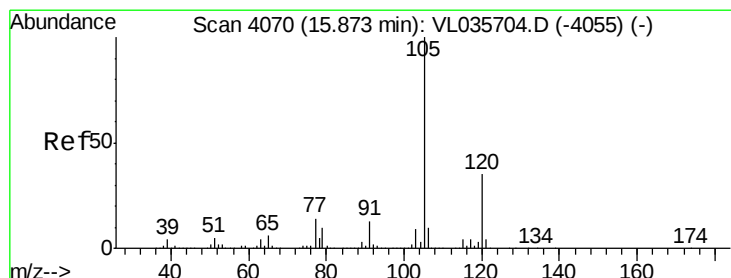
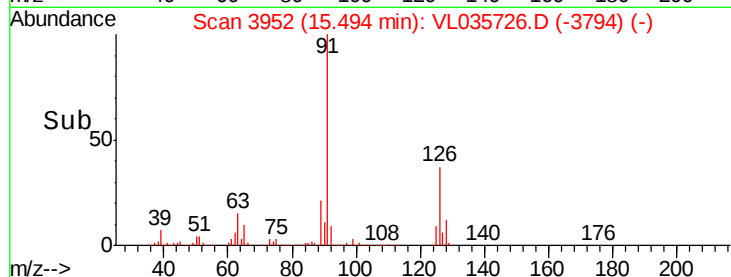
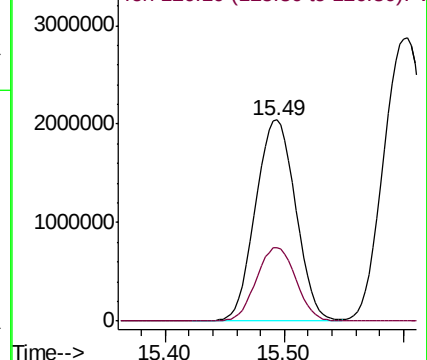
91 100

126 36.1 14.4 57.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.618 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tgt Ion:105 Resp: 5089950

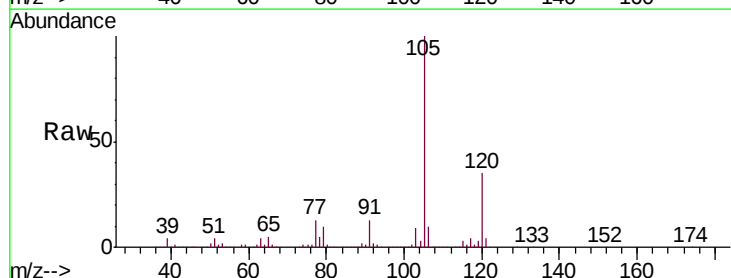
Ion Ratio Lower Upper

105 100

120 33.3 26.5 39.7

91 12.6 10.2 15.2

77 12.6 10.3 15.5

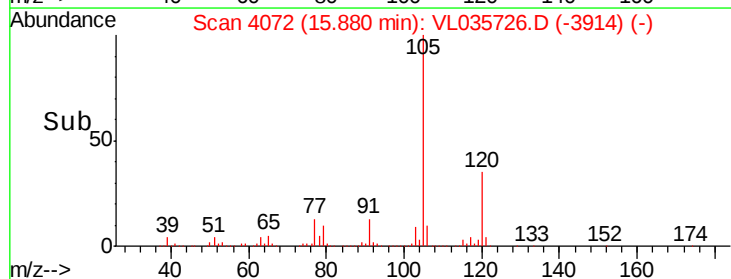
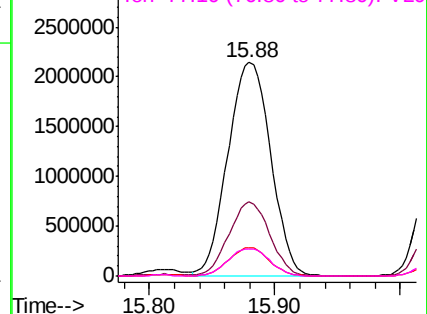


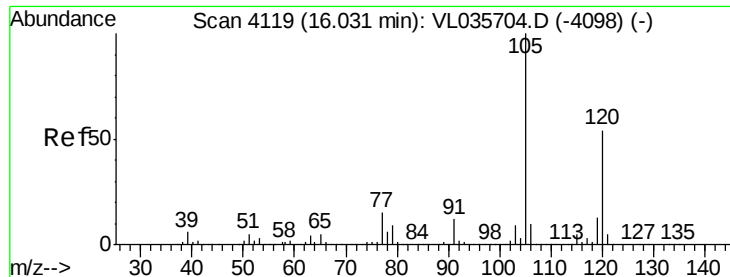
Abundance Ion 105.10 (104.80 to 105.80): V

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

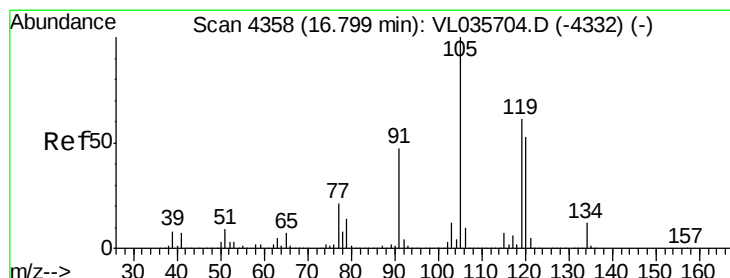
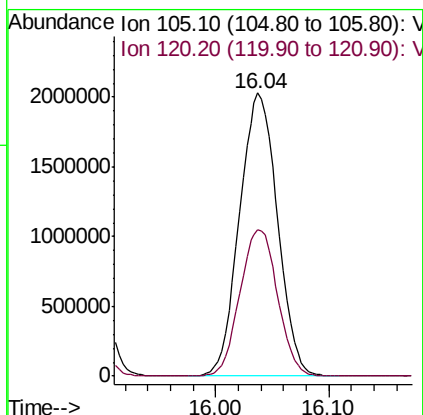
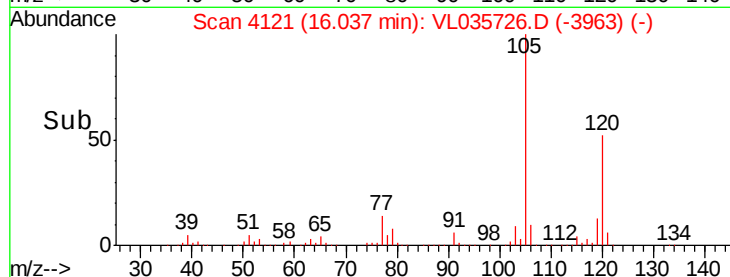
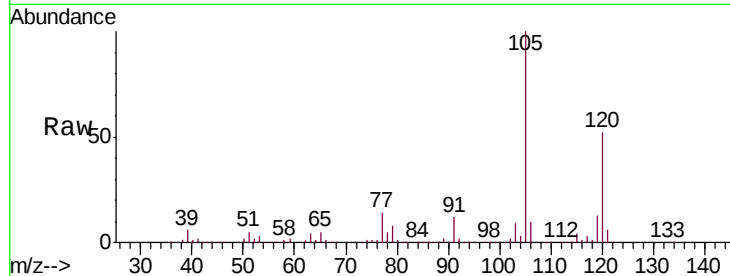




#73
 1,3,5-Trimethylbenzene
 Concen: 8.463 ppbv
 RT: 16.04 min Scan# 4121
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

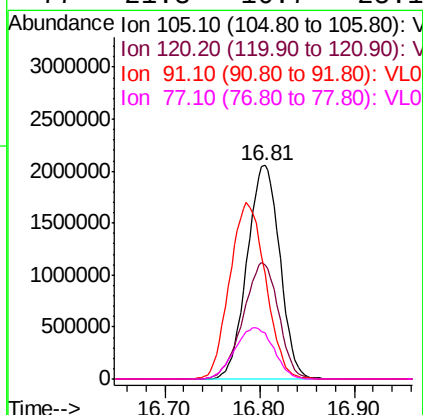
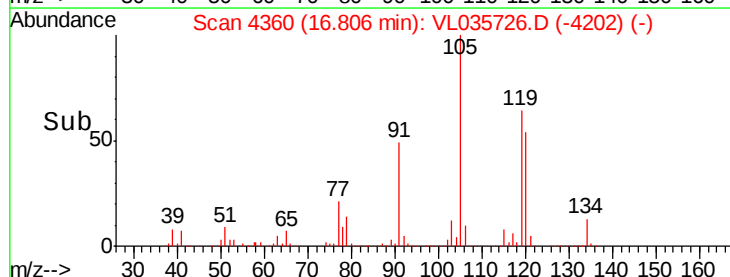
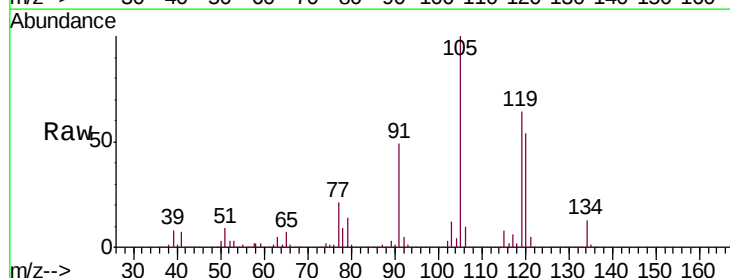
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

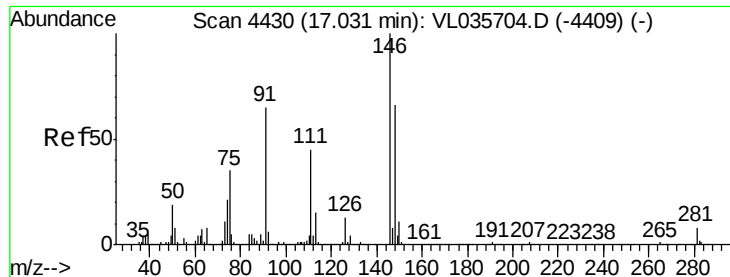
Tgt Ion:105 Resp: 4723491
 Ion Ratio Lower Upper
 105 100
 120 51.6 43.0 64.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.834 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion:105 Resp: 4929022
 Ion Ratio Lower Upper
 105 100
 120 53.5 42.5 63.7
 91 49.1 37.7 56.5
 77 21.3 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 7.652 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

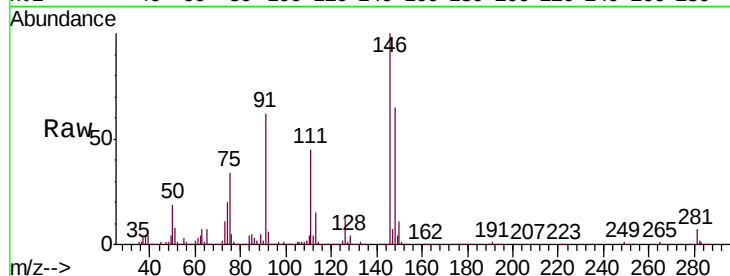
Tgt Ion:146 Resp: 3286888

Ion Ratio Lower Upper

146 100

111 43.8 22.4 67.0

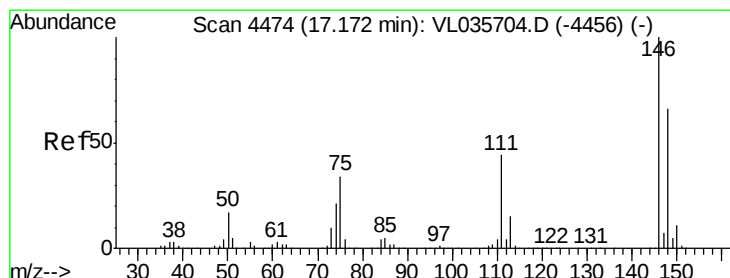
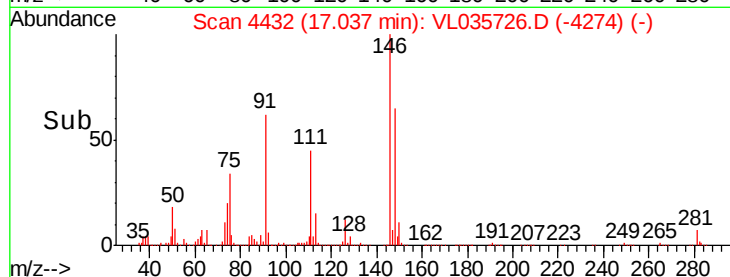
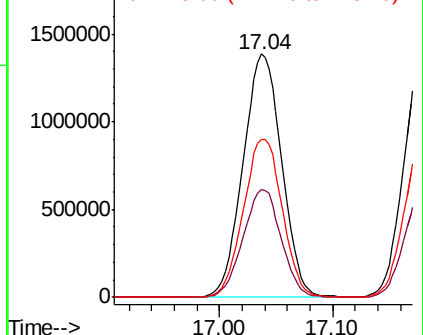
148 65.6 33.0 99.0



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: 7.955 ppbv

RT: 17.18 min Scan# 4477

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

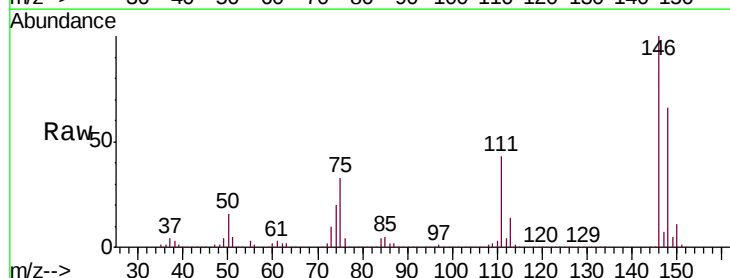
Tgt Ion:146 Resp: 3266327

Ion Ratio Lower Upper

146 100

111 42.4 21.4 64.3

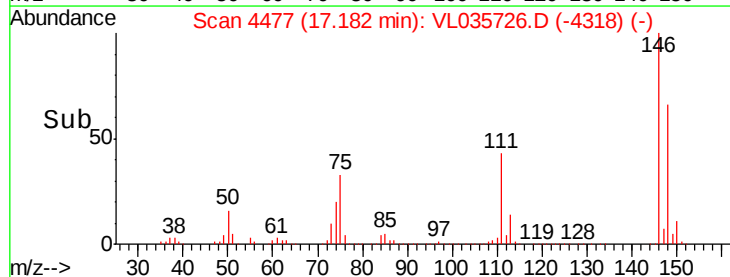
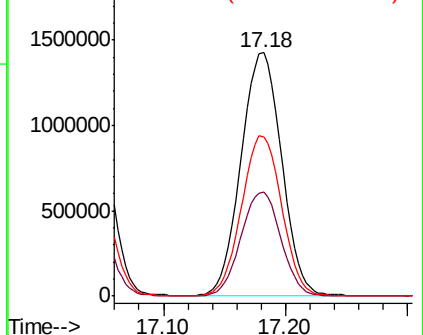
148 65.7 32.6 98.0

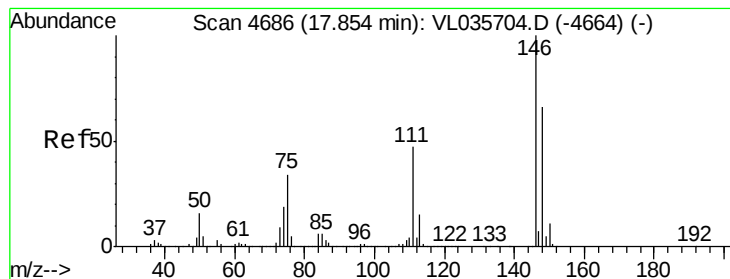


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.879 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

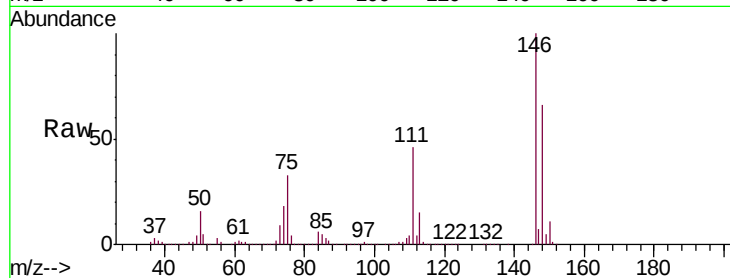
Tgt Ion:146 Resp: 3196559

Ion Ratio Lower Upper

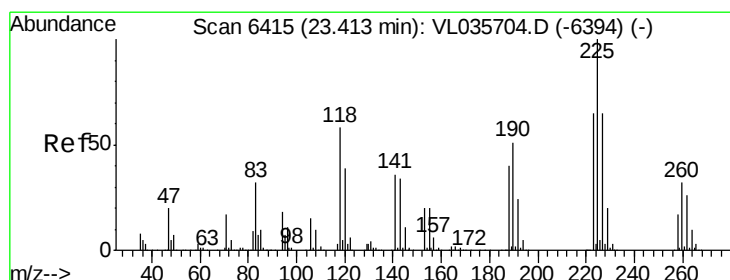
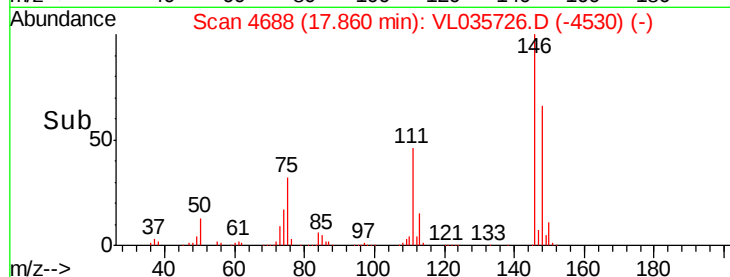
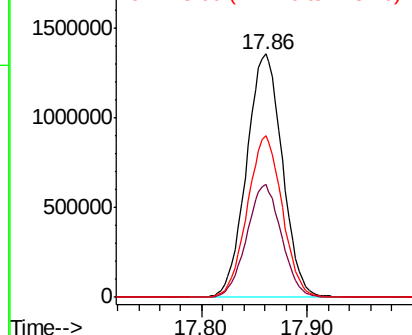
146 100

111 45.0 22.9 68.5

148 65.0 32.6 98.0



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.805 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

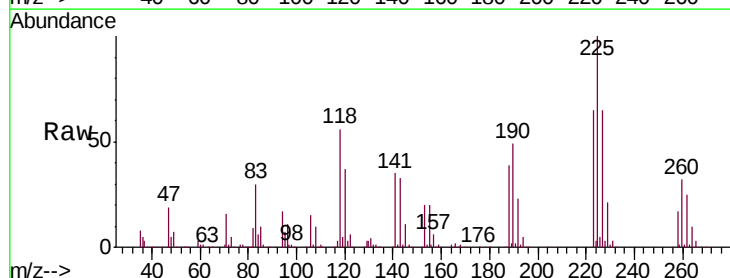
Tgt Ion:225 Resp: 1747130

Ion Ratio Lower Upper

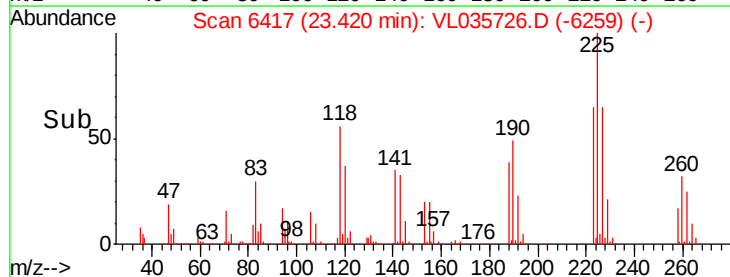
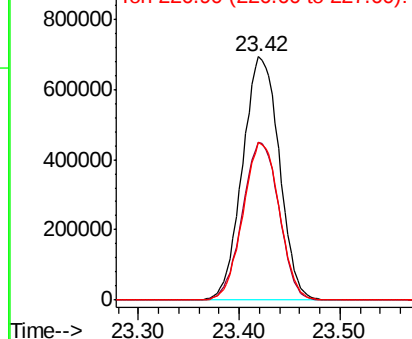
225 100

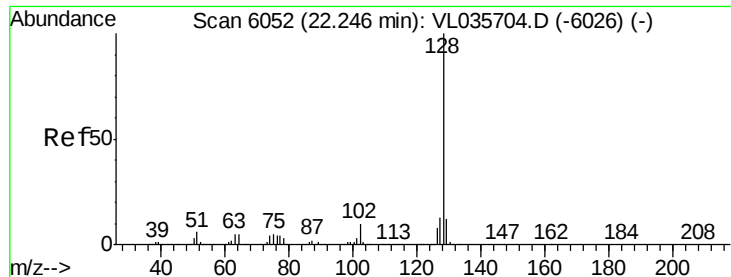
223 64.4 51.3 76.9

227 63.9 51.6 77.4



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.857 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

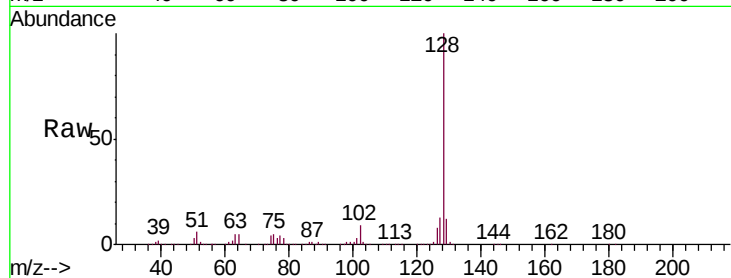
Tgt Ion:128 Resp: 4715019

Ion Ratio Lower Upper

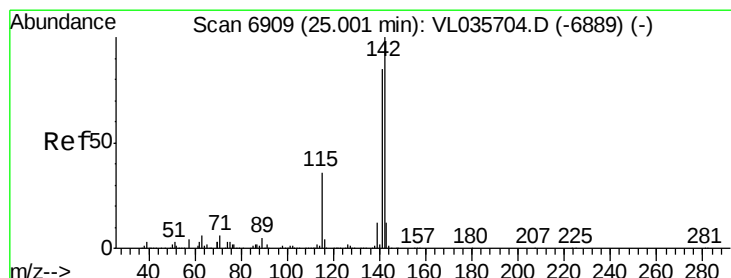
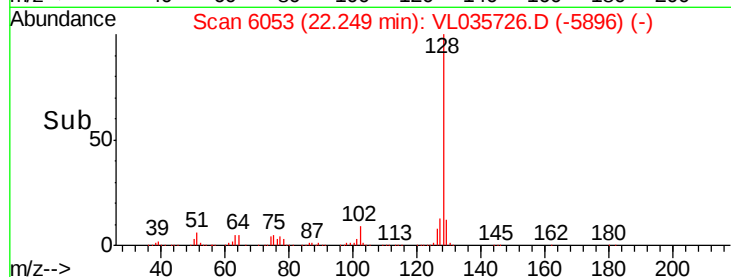
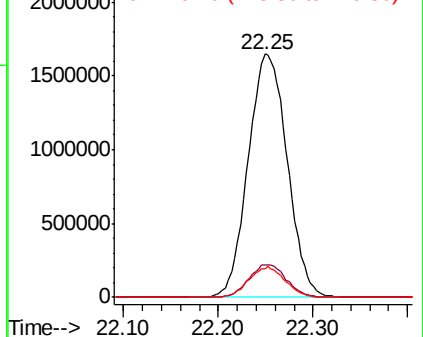
128 100

127 13.1 10.6 15.8

129 11.8 9.4 14.0



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: 8.602 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

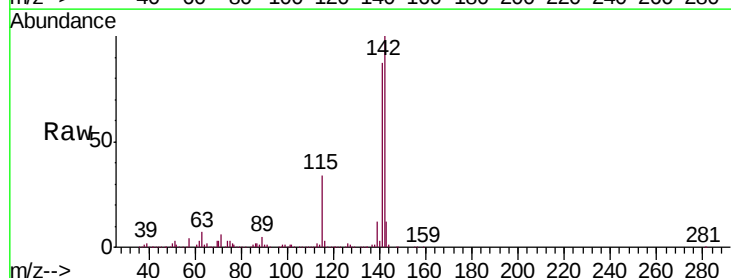
Tgt Ion:142 Resp: 1217534

Ion Ratio Lower Upper

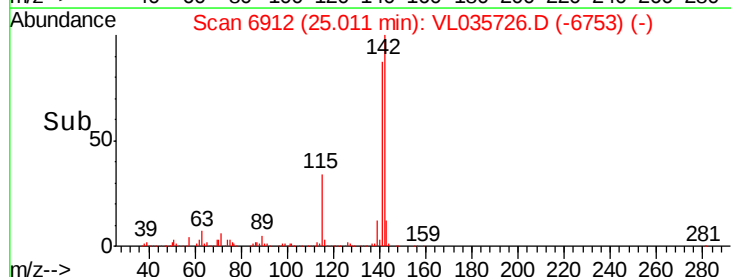
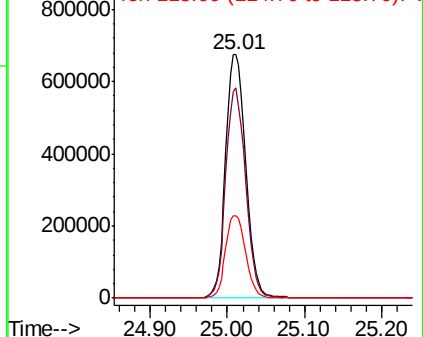
142 100

141 85.2 68.2 102.4

115 34.1 27.8 41.6



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

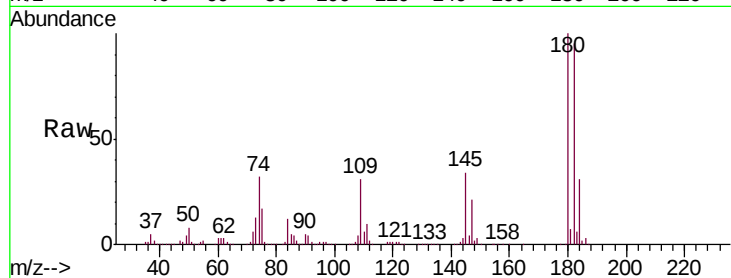




#81
 1,2,4-Trichlorobenzene
 Concen: 8.026 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tgt Ion:180 Resp: 2495922
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.2 114.2
 184 31.1 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V
 1200000 Ion 182.00 (181.70 to 182.70): V
 1000000 Ion 184.00 (183.70 to 184.70): V

