

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035296.D
 Acq On : 31 Jul 2020 2:21
 Operator : SY/AP
 Sample : VL0731ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Quant Time: Jul 31 06:07:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1193691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2895350	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2865271	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	2249506	9.83	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1410131	9.891	ppbv	99
3) Chlorodifluoromethane	2.95	51	1237359	9.364	ppbv	99
4) Chloromethane	3.11	50	700357	9.419	ppbv	100
5) Vinyl Chloride	3.23	62	723581	9.342	ppbv	96
6) Bromomethane	3.44	94	460344	9.622	ppbv	97
7) Chloroethane	3.53	64	277370	9.921	ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1806702	9.988	ppbv	99
9) Propene	2.98	41	465643	10.110	ppbv	97
10) Heptane	8.14	43	1390846	11.156	ppbv	99
11) Trichlorofluoromethane	3.93	101	1940505	10.119	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1363471	10.026	ppbv	100
13) Ethanol	3.58	45	110156	5.876	ppbv	96
14) Bromoethene	3.71	108	577457	10.404	ppbv	100
15) Acetone	3.83	43	1421988	8.931	ppbv	99
16) 1,3-Butadiene	3.29	39	633035	10.192	ppbv	99
17) tert-Butyl alcohol	4.28	59	1538546	10.012	ppbv	99
18) 1,1-Dichloroethene	4.27	96	626914	10.382	ppbv	93
19) Isopropyl Alcohol	3.95	45	951333	9.059	ppbv	# 98
20) Methylene Chloride	4.33	84	584243	8.061	ppbv	96
21) Allyl Chloride	4.40	41	968111	10.676	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	614075	10.583	ppbv	99
23) Vinyl Acetate	5.07	43	1701443	10.635	ppbv	97
24) 1,1-Dichloroethane	5.01	63	1477041	9.899	ppbv	100
25) Ethyl Acetate	5.68	43	2513049	10.107	ppbv	99
26) Hexane	5.69	57	1143211	10.192	ppbv	99
27) Carbon Disulfide	4.54	76	1624708	10.721	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1739187	10.846	ppbv	98
29) Chloroform	5.76	83	1880592	9.996	ppbv	98
30) Cyclohexane	7.15	84	921847	11.498	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1089751	11.145	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1850714	9.611	ppbv	100
34) 2-Butanone	5.24	43	1463282	9.933	ppbv	99
35) Carbon Tetrachloride	7.03	117	1913096	9.868	ppbv	98
36) Benzene	6.91	78	2177399	10.821	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1438953	10.230	ppbv	100
38) Trichloroethene	7.86	130	926001	11.104	ppbv	96
39) 1,2-Dichloropropane	7.63	63	853373	10.630	ppbv	99
40) 1,4-Dioxane	7.85	88	132464	4.190	ppbv	# 1
41) Tetrahydrofuran	6.05	42	792681	10.978	ppbv	99
42) Bromodichloromethane	7.82	83	2002600	10.667	ppbv	98
43) Methyl Methacrylate	8.04	69	1011934	11.607	ppbv	99

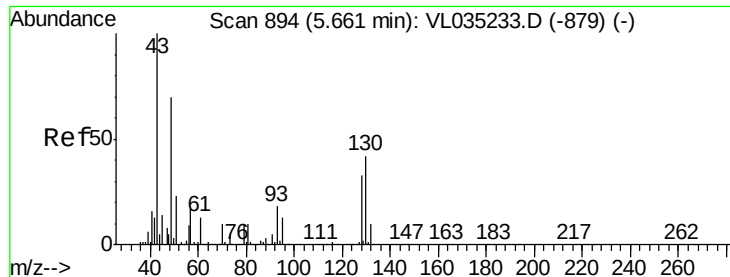
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035296.D
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Quant Time: Jul 31 06:07:00 2020
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 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3880309	10.945	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1112787	12.668	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1319316	12.328	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	976800	10.300	ppbv	95
48) Dibromochloromethane	10.34	129	1680795	11.253	ppbv	98
49) Bromoform	13.09	173	1517938	11.305	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2369998	11.101	ppbv	99
51) 2-Hexanone	10.17	43	1904673	11.765	ppbv #	99
52) Tetrachloroethene	11.27	164	375507	4.891	ppbv	95
53) Toluene	9.84	91	2629925	12.298	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1479133	10.787	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	1309119	9.937	ppbv #	92
57) Chlorobenzene	12.19	112	2163217	10.034	ppbv	97
58) Ethyl Benzene	12.75	91	3632260	11.970	ppbv	100
59) m/p-Xylene	13.04	91	3197874	11.320	ppbv #	35
60) o-Xylene	13.74	91	3157405	11.201	ppbv	99
61) Styrene	13.57	104	2158252	12.615	ppbv	99
62) Isopropylbenzene	14.72	105	4606754	10.981	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2290128	9.442	ppbv	99
64) n-propylbenzene	15.62	120	1249878	11.205	ppbv	99
65) tert-Butylbenzene	16.80	119	4162902	10.953	ppbv	100
66) Benzyl Chloride	17.05	91	1593556	10.705	ppbv	99
67) sec-Butylbenzene	17.35	105	5918457	10.658	ppbv	100
69) p-Isopropyltoluene	17.71	119	4956533	10.941	ppbv	99
70) n-Butylbenzene	18.61	91	5190966	10.592	ppbv	99
71) 2-Chlorotoluene	15.51	91	3605975	11.399	ppbv	99
72) 4-Ethyltoluene	15.90	105	3710630	11.696	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3515495	11.363	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3756521	10.430	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	2187599	9.407	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	2162433	10.280	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	2079159	9.982	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	1493723	8.761	ppbv	99
79) Naphthalene	22.28	128	2929536	10.228	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	862911	9.310	ppbv	99
81) 1,2,4-Trichlorobenzene	22.01	180	1693825	9.716	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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VL0731ABS01

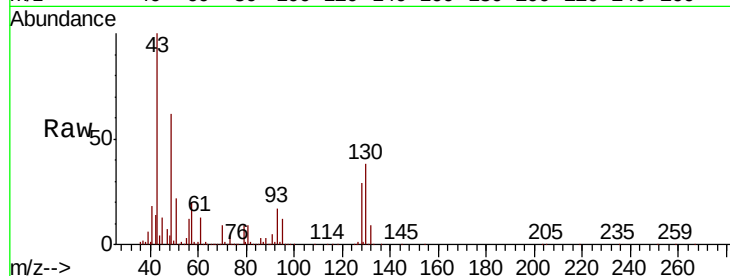
Tot Ion: 49 Resp: 1193691

Ion Ratio Lower Upper

49 100

128 49.1 24.0 72.0

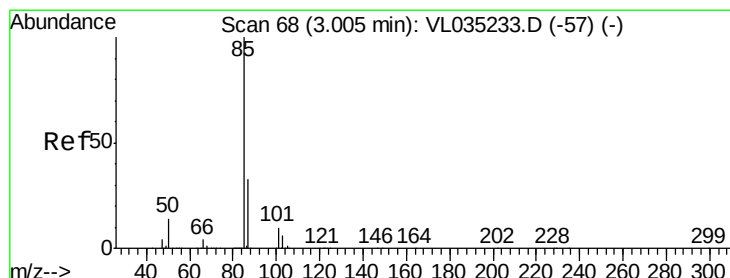
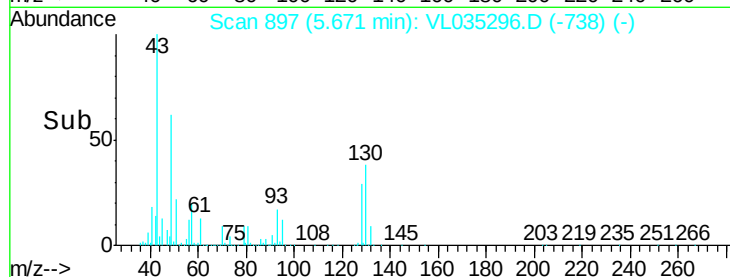
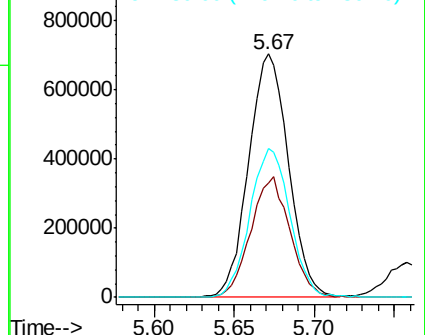
130 62.1 30.7 92.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.891 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035296.D

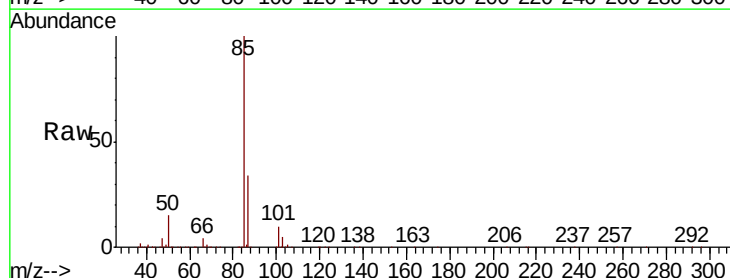
Acq: 31 Jul 2020 2:21

Tgt Ion: 85 Resp: 1410131

Ion Ratio Lower Upper

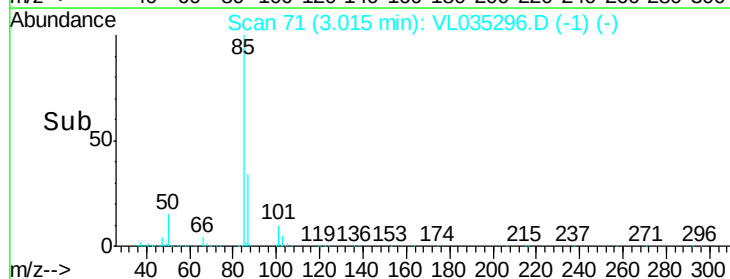
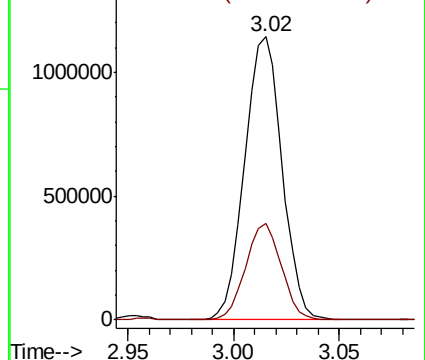
85 100

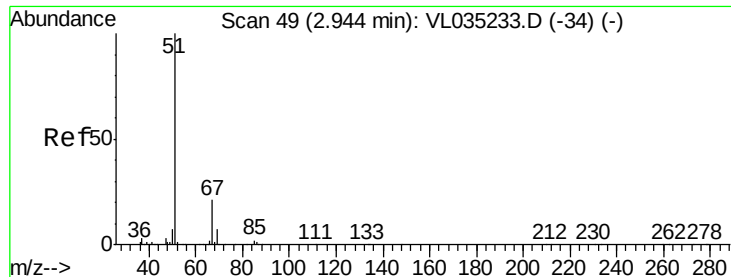
87 34.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

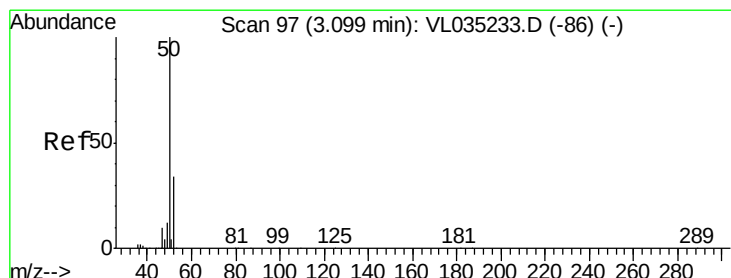
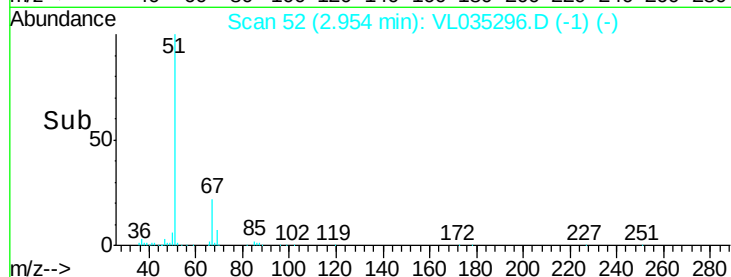
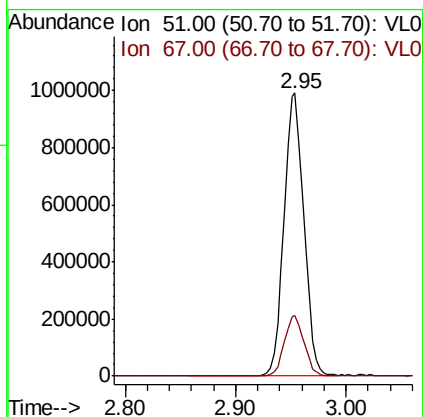
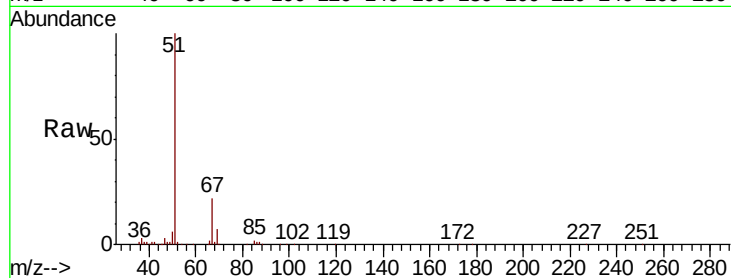




#3
Chlorodifluoromethane
Concen: 9.364 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

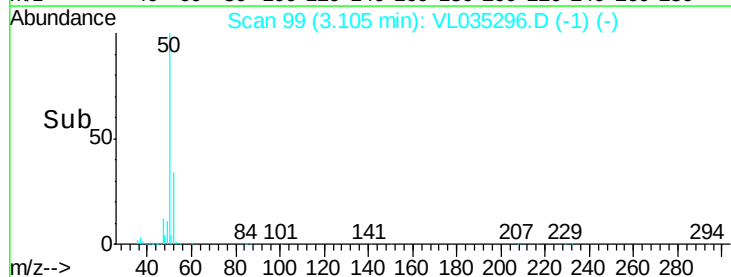
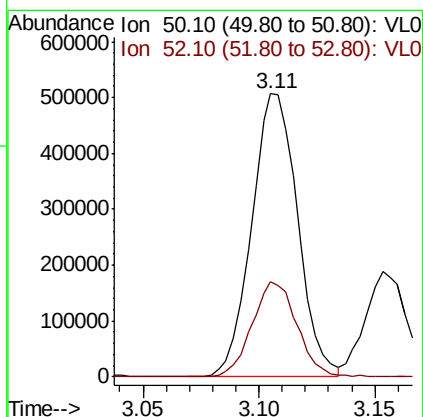
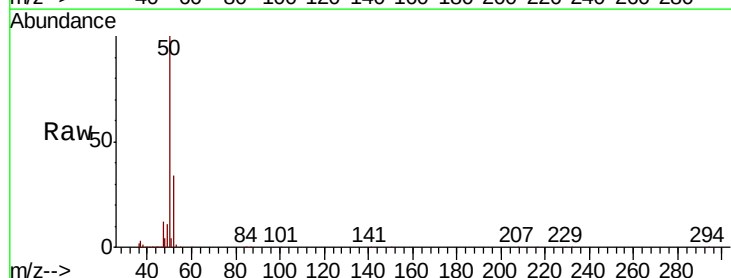
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

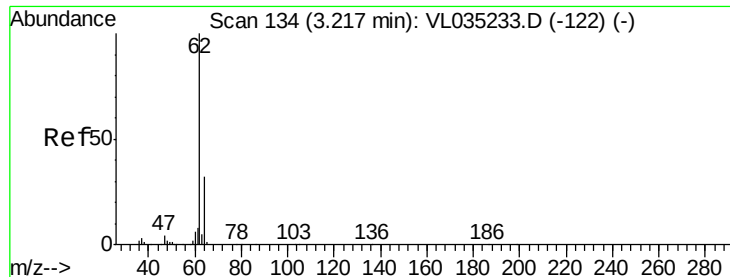
Tot Ion: 51 Resp: 1237359
Ion Ratio Lower Upper
51 100
67 21.4 16.6 25.0



#4
Chloromethane
Concen: 9.419 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 50 Resp: 700357
Ion Ratio Lower Upper
50 100
52 33.8 27.1 40.7





#5

Vinyl Chloride

Concen: 9.342 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

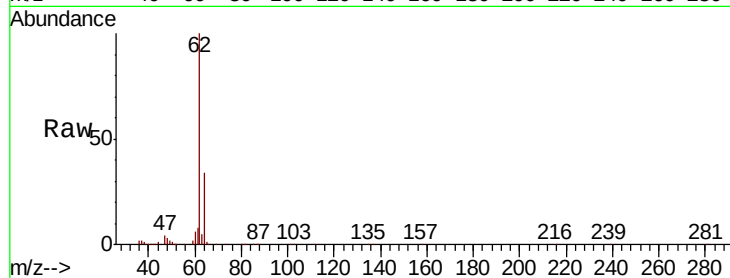
VL0731ABS01

Tot Ion: 62 Resp: 723581

Ion Ratio Lower Upper

62 100

64 34.2 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

600000

500000

400000

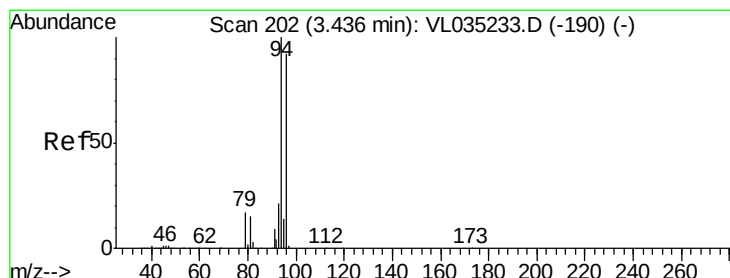
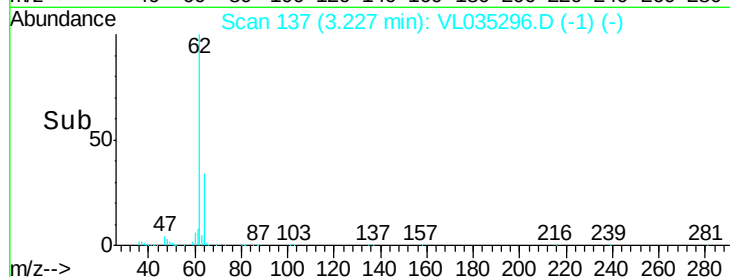
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.622 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035296.D

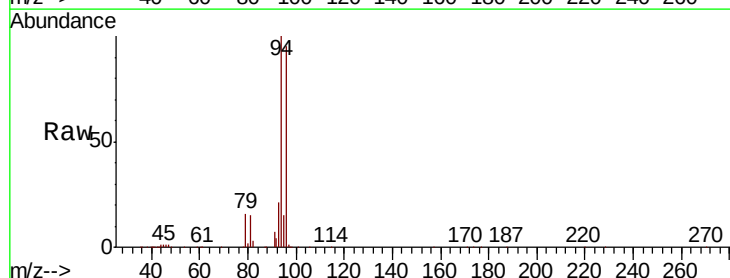
Acq: 31 Jul 2020 2:21

Tgt Ion: 94 Resp: 460344

Ion Ratio Lower Upper

94 100

96 94.7 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

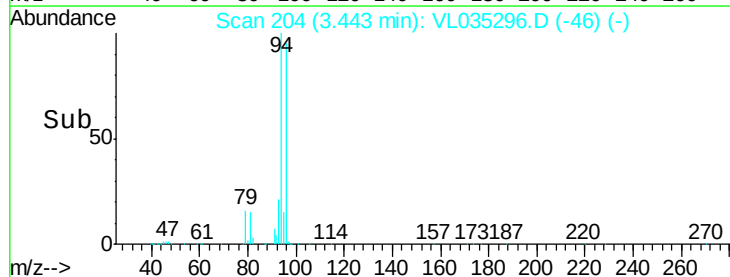
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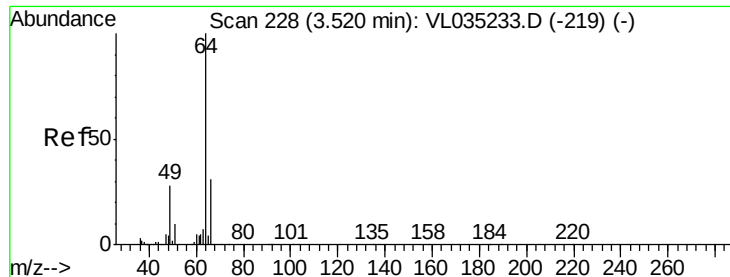
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.921 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

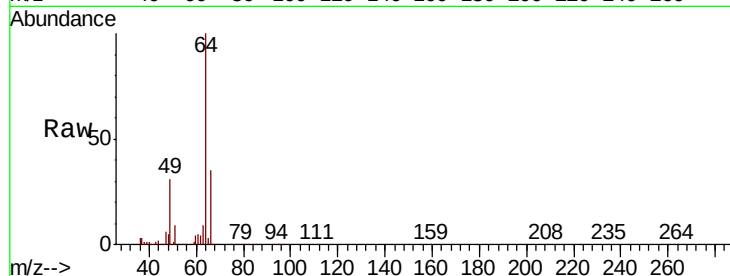
VL0731ABS01

Tot Ion: 64 Resp: 277370

Ion Ratio Lower Upper

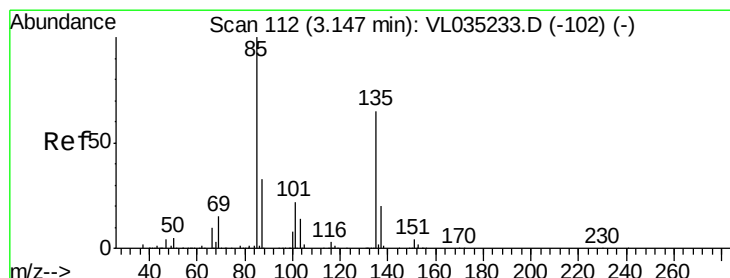
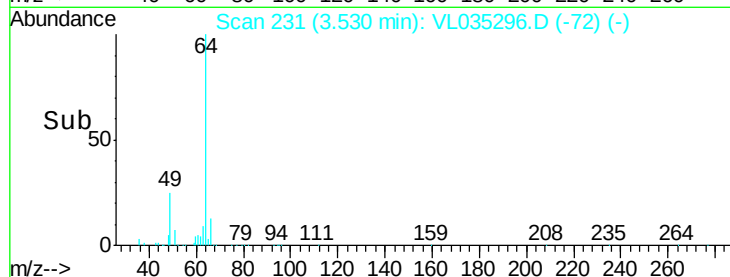
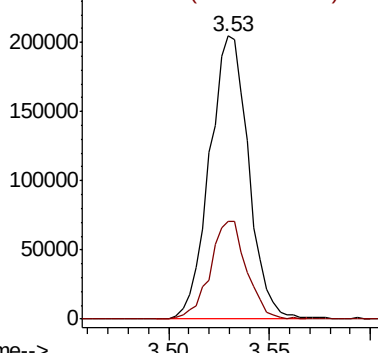
64 100

66 34.6 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.988 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035296.D

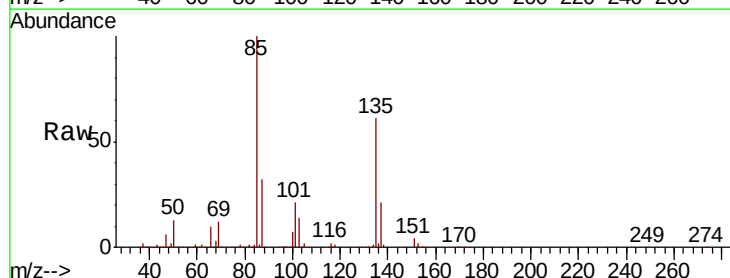
Acq: 31 Jul 2020 2:21

Tgt Ion: 85 Resp: 1806702

Ion Ratio Lower Upper

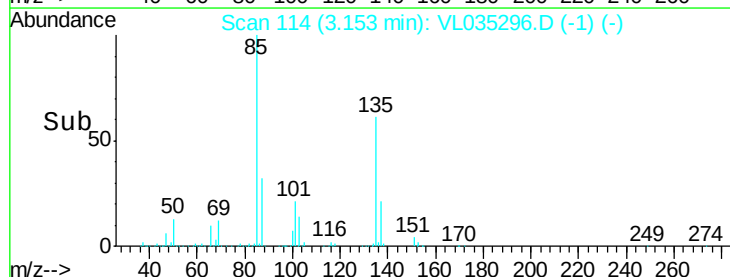
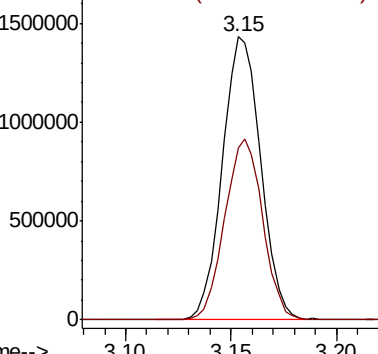
85 100

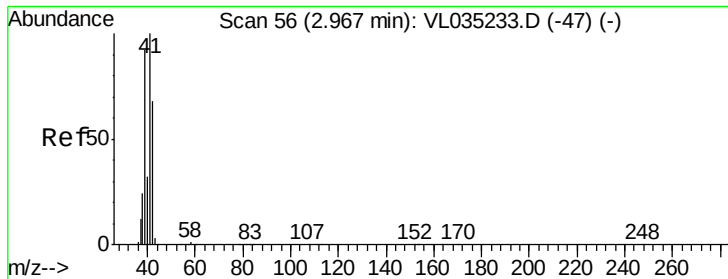
135 63.5 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.110 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL035296.D

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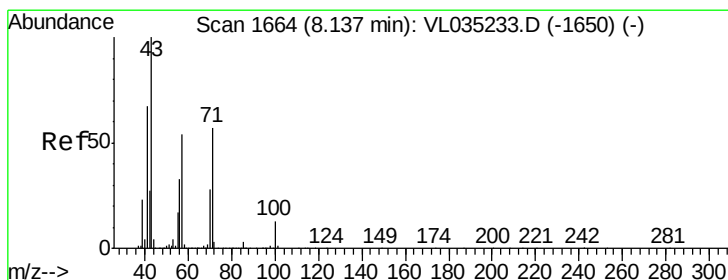
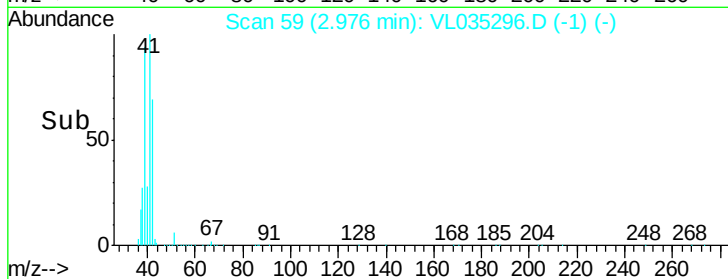
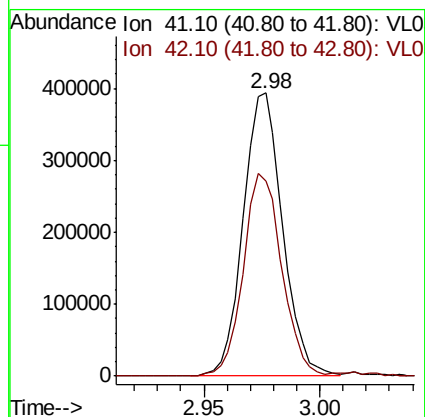
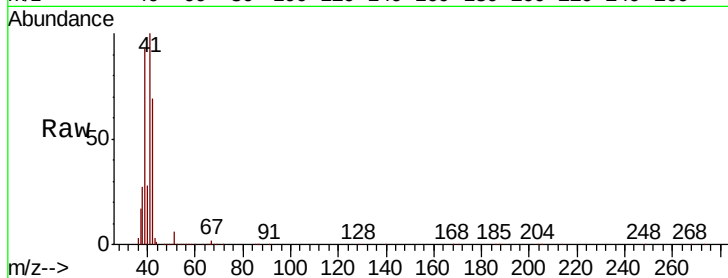
VL0731ABS01

Tot Ion: 41 Resp: 465643

Ion Ratio Lower Upper

41 100

42 71.3 55.0 82.6



#10

Heptane

Concen: 11.156 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL035296.D

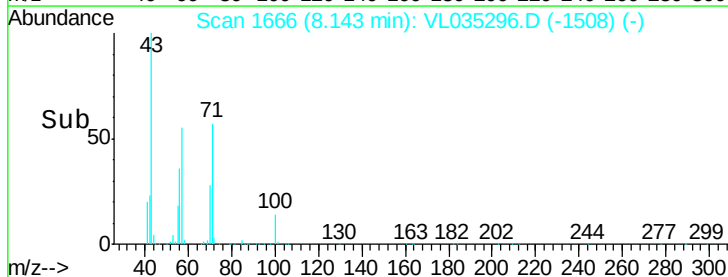
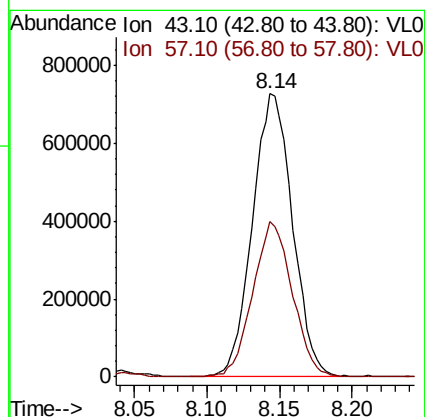
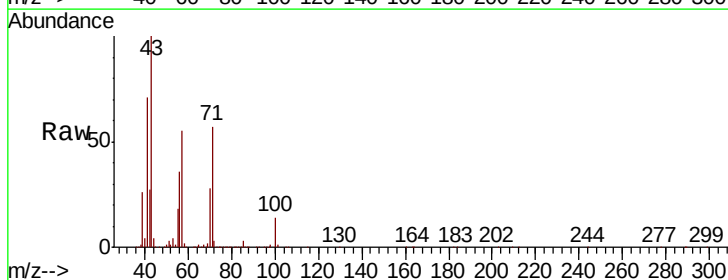
Acq: 31 Jul 2020 2:21

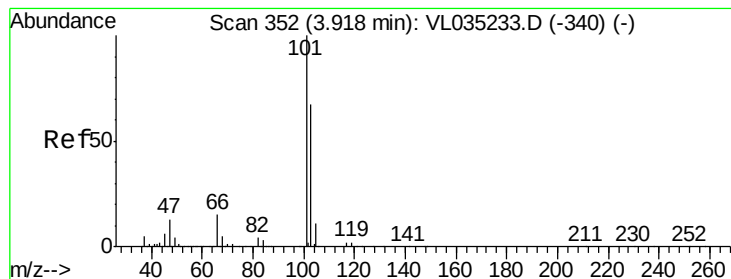
Tgt Ion: 43 Resp: 1390846

Ion Ratio Lower Upper

43 100

57 54.1 43.0 64.4





#11

Trichlorofluoromethane

Concen: 10.119 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

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ClientSampleId :

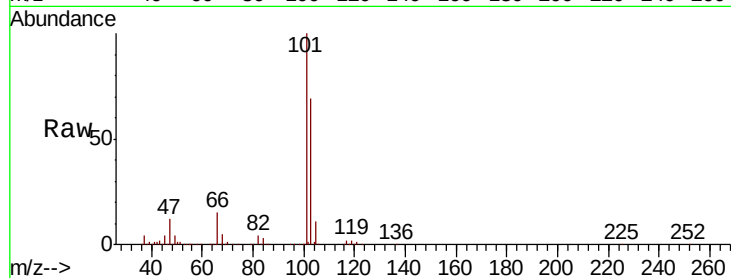
VL0731ABS01

Tot Ion:101 Resp: 1940505

Ion Ratio Lower Upper

101 100

103 68.9 53.4 80.0



Abundance Ion 101.00 (100.70 to 101.70): V

1500000 Ion 103.00 (102.70 to 103.70): V

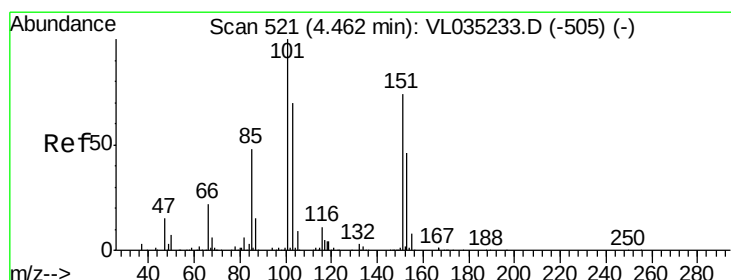
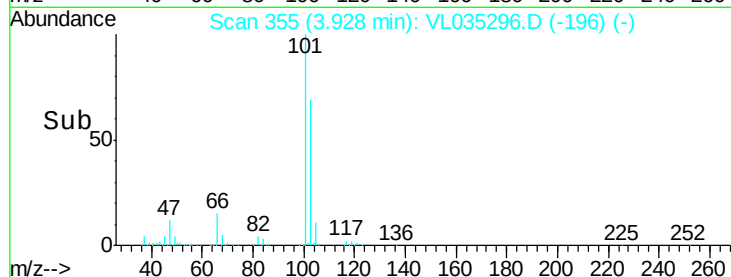
3.93

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.026 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL035296.D

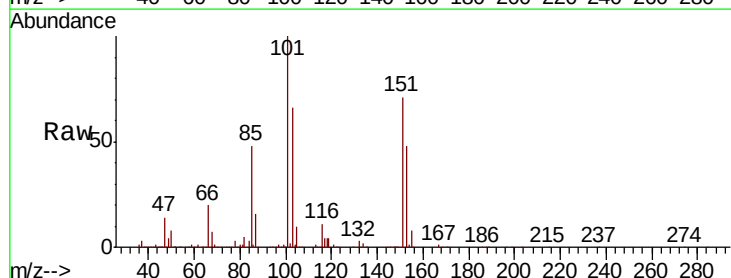
Acq: 31 Jul 2020 2:21

Tgt Ion:101 Resp: 1363471

Ion Ratio Lower Upper

101 100

151 70.9 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

800000 Ion 151.00 (150.70 to 151.70): V

4.47

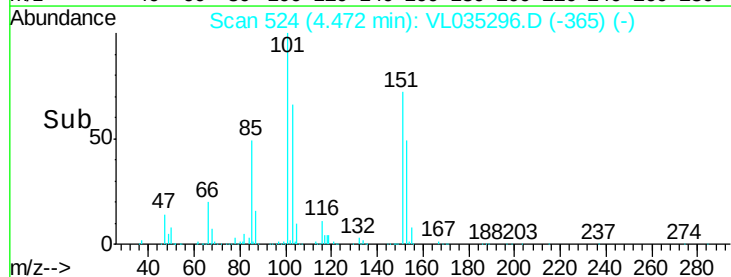
600000

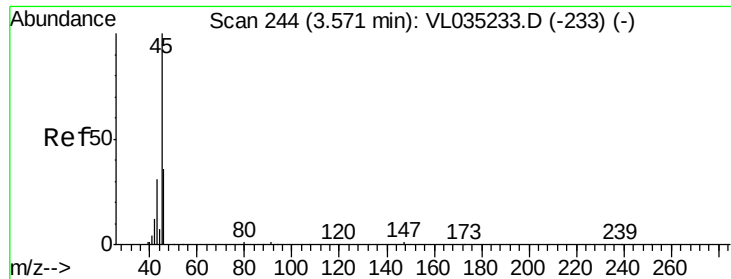
400000

200000

0

Time-->





#13

Ethanol

Concen: 5.876 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

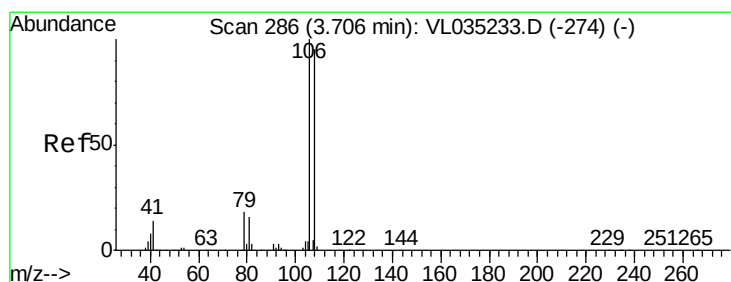
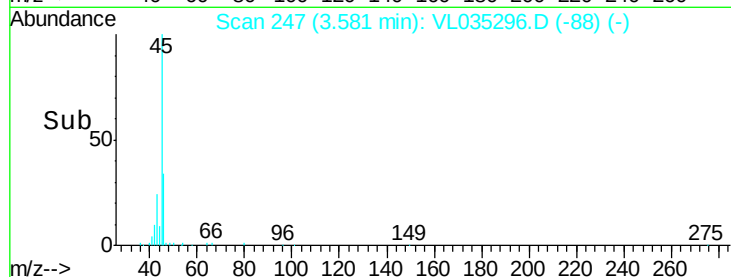
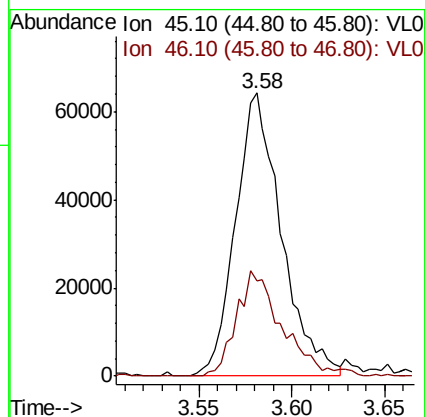
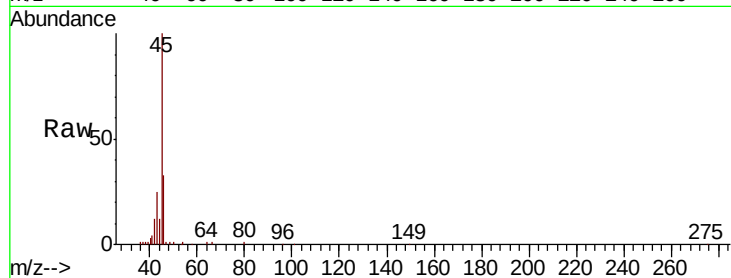
VL0731ABS01

Tot Ion: 45 Resp: 110156

Ion Ratio Lower Upper

45 100

46 37.2 15.8 63.4



#14

Bromoethene

Concen: 10.404 ppbv

RT: 3.71 min Scan# 288

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

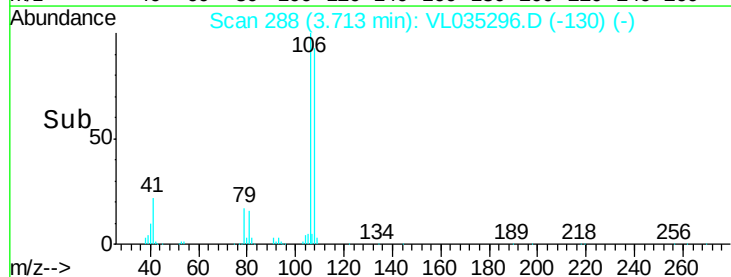
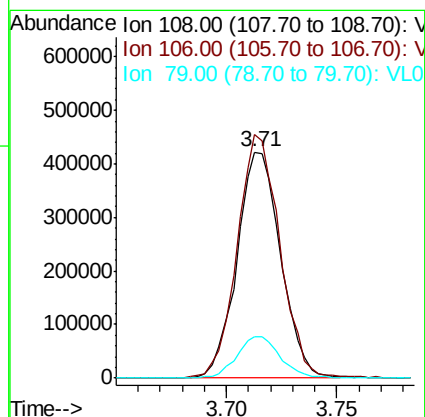
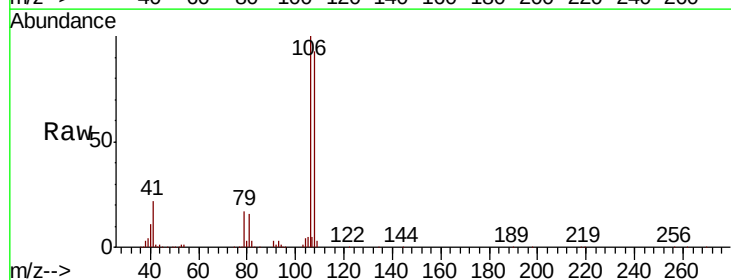
Tgt Ion: 108 Resp: 577457

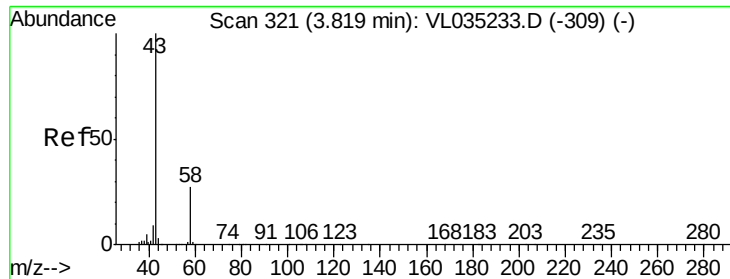
Ion Ratio Lower Upper

108 100

106 106.4 85.0 127.6

79 18.3 15.4 23.2

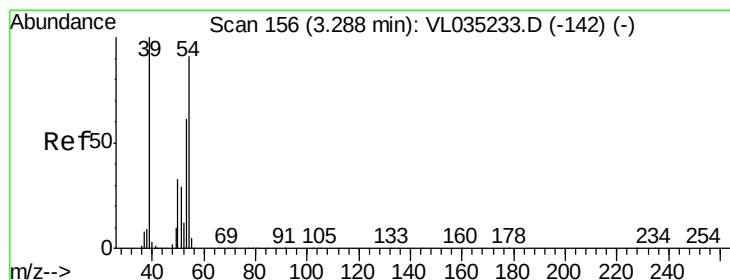
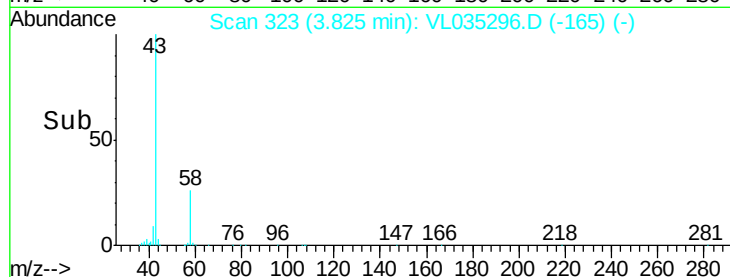
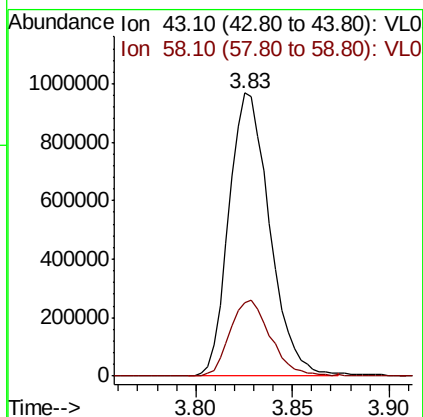
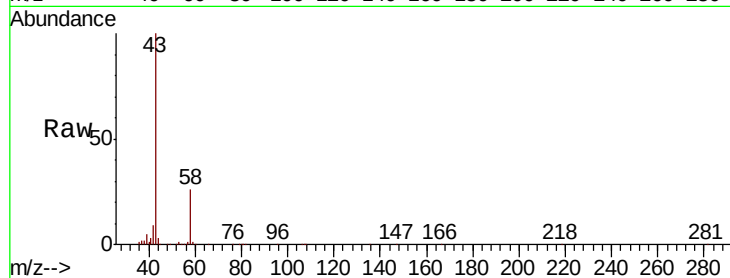




#15
Acetone
Concen: 8.931 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

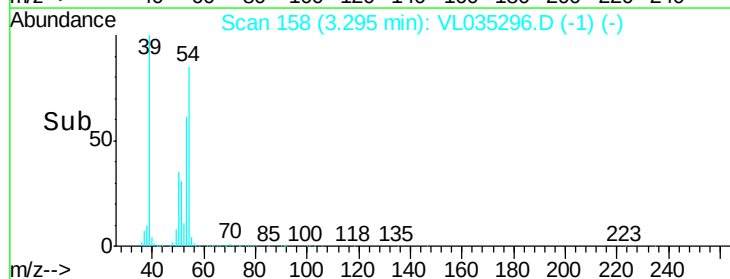
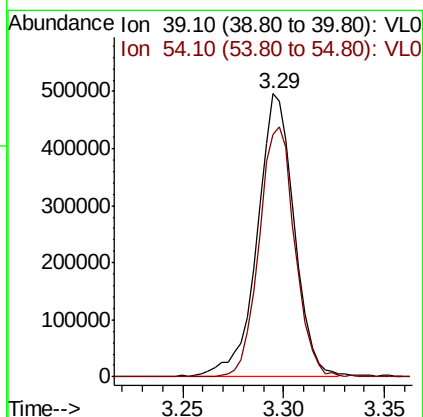
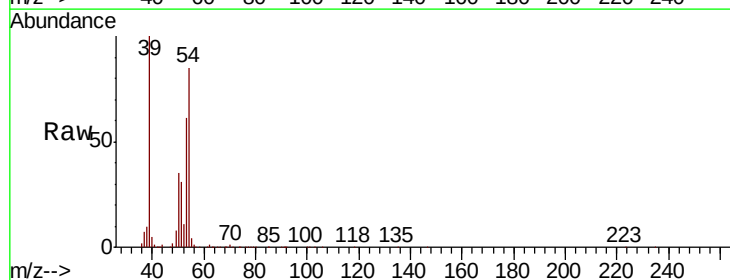
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

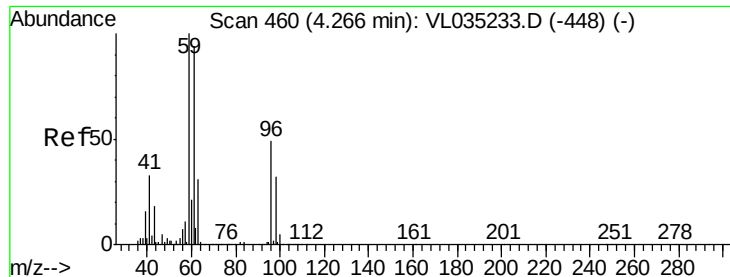
Tot Ion: 43 Resp: 1421988
Ion Ratio Lower Upper
43 100
58 26.9 21.8 32.6



#16
1,3-Butadiene
Concen: 10.192 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 39 Resp: 633035
Ion Ratio Lower Upper
39 100
54 86.0 68.2 102.2





#17

tert-Butyl alcohol

Concen: 10.012 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

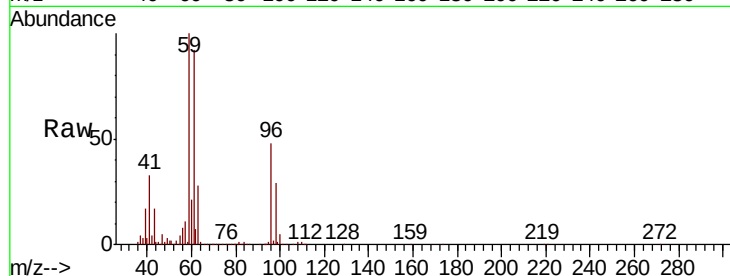
VL0731ABS01

Tot Ion: 59 Resp: 1538546

Ion Ratio Lower Upper

59 100

57 11.1 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

800000

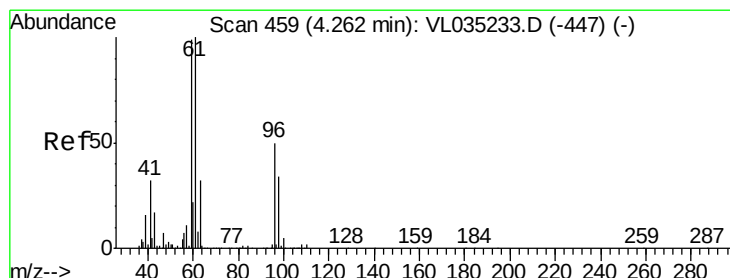
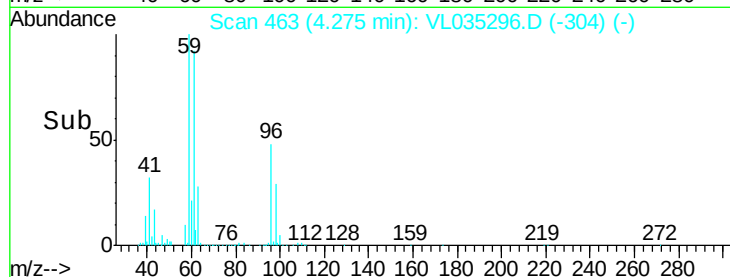
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.382 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

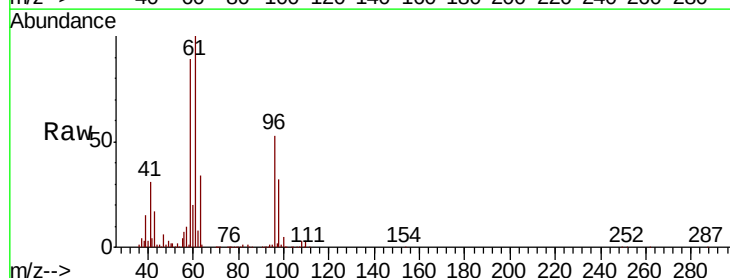
Tgt Ion: 96 Resp: 626914

Ion Ratio Lower Upper

96 100

61 189.7 159.4 239.2

98 60.0 53.9 80.9



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

1000000

800000

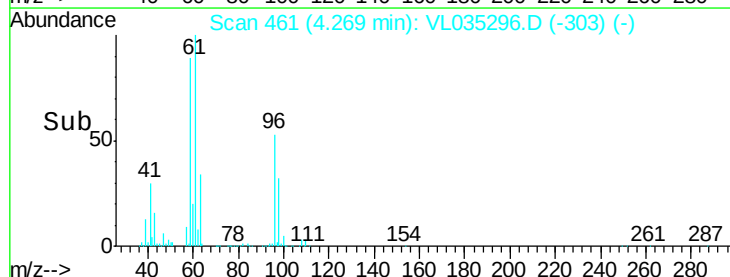
600000

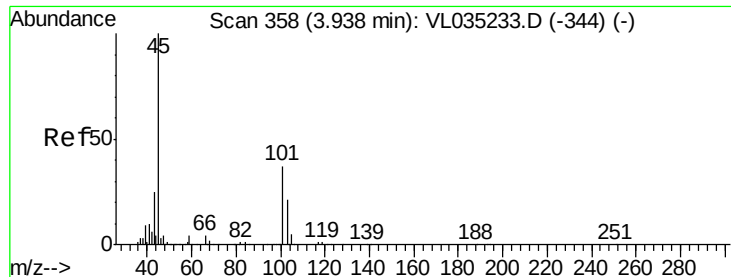
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.059 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

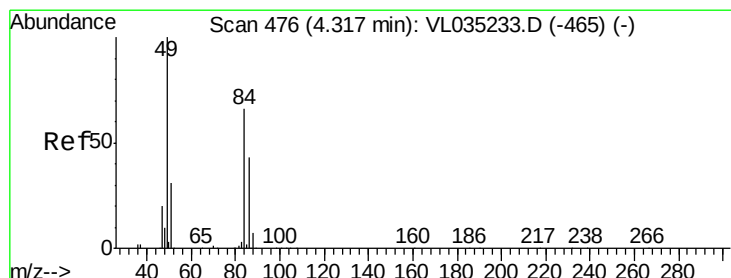
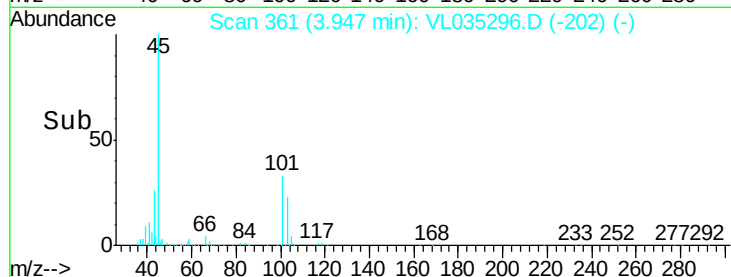
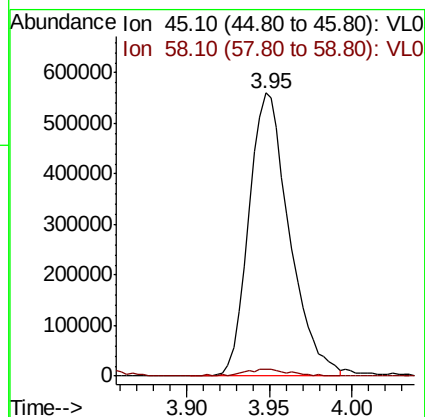
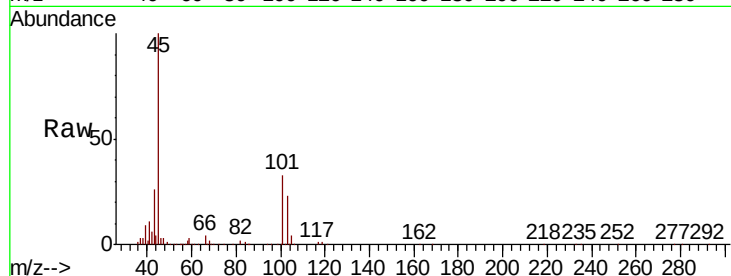
VL0731ABS01

Tot Ion: 45 Resp: 951333

Ion Ratio Lower Upper

45 100

58 3.2 1.9 2.9#



#20

Methylene Chloride

Concen: 8.061 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion: 84 Resp: 584243

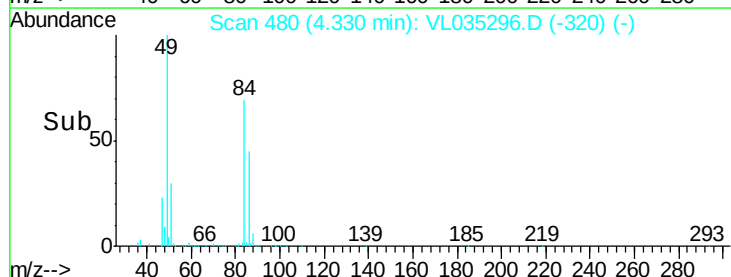
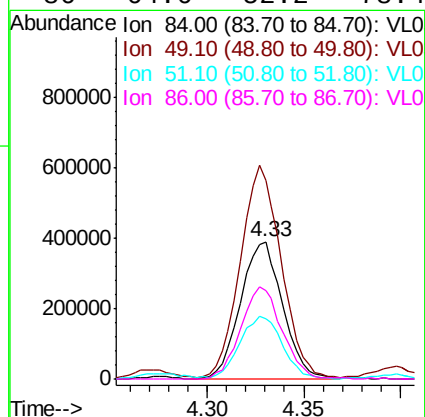
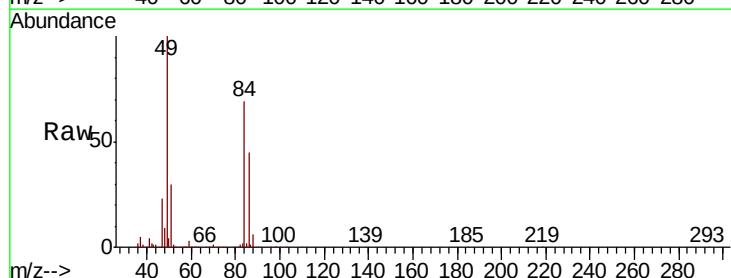
Ion Ratio Lower Upper

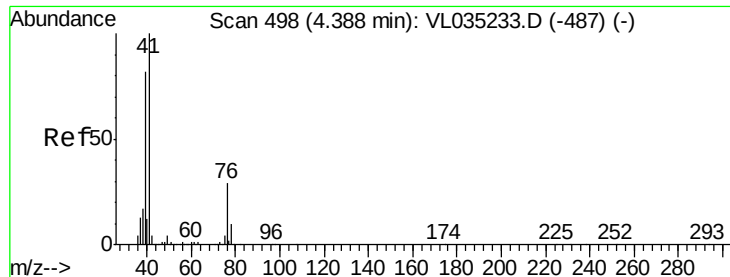
84 100

49 144.0 121.0 181.4

51 44.0 37.7 56.5

86 64.6 52.2 78.4

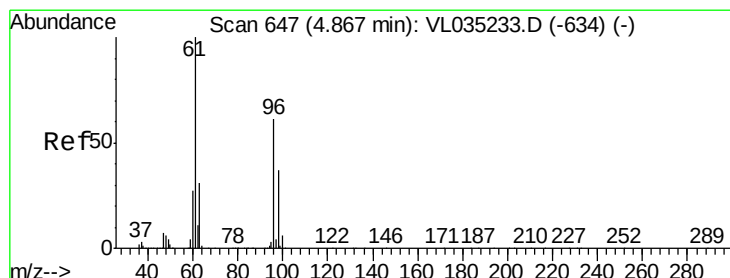
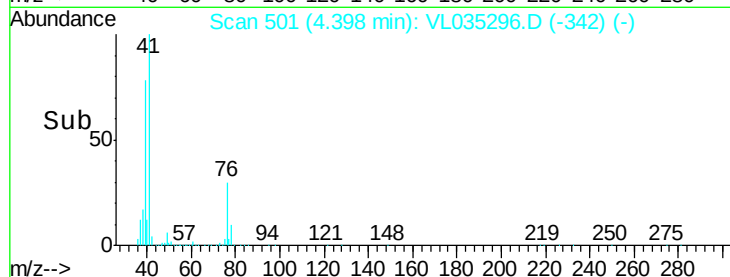
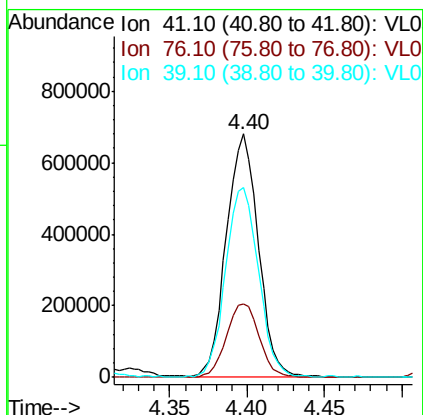
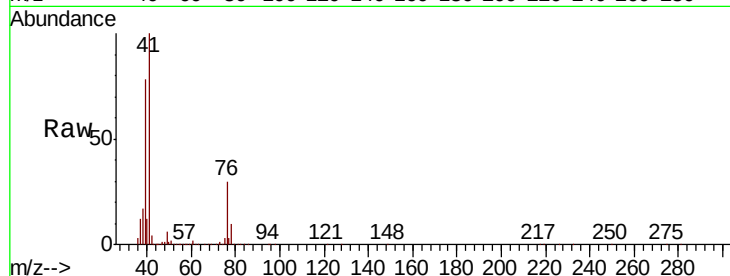




#21
 Allvl Chloride
 Concen: 10.676 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

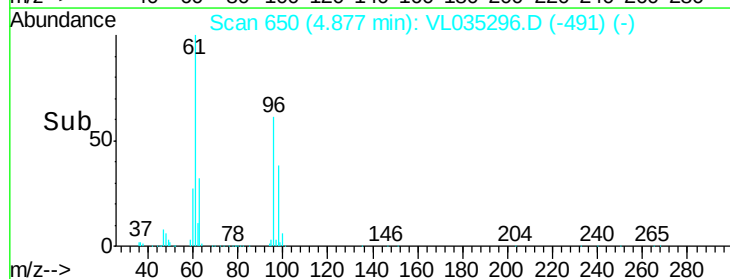
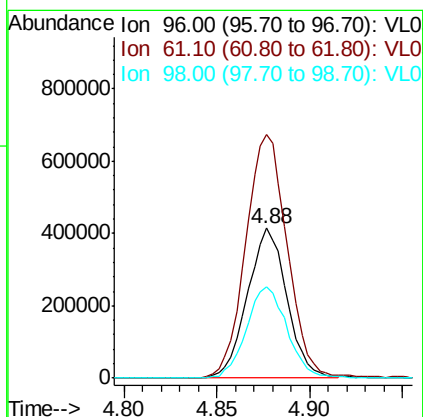
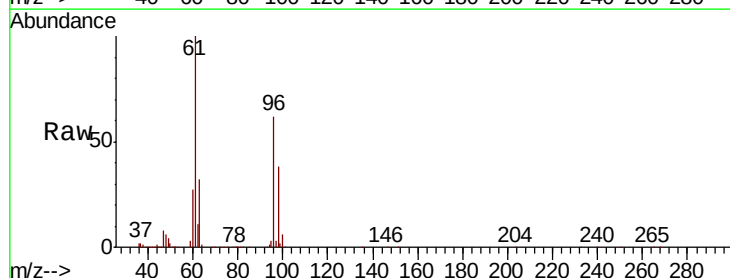
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

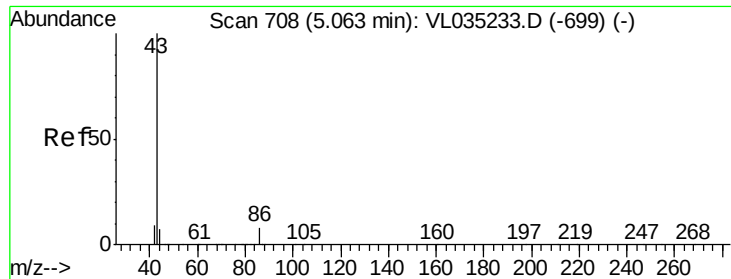
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.4	36.6
39	80.2	63.8	95.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.583 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.6	197.4
98	61.2	49.0	73.4



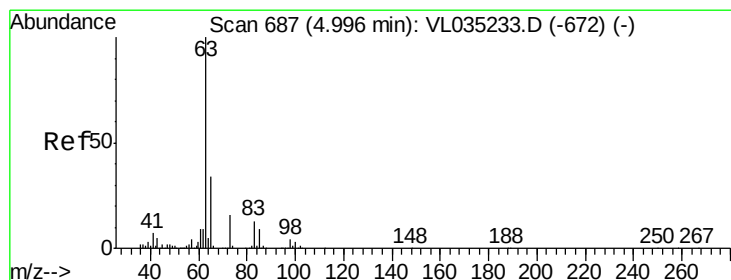
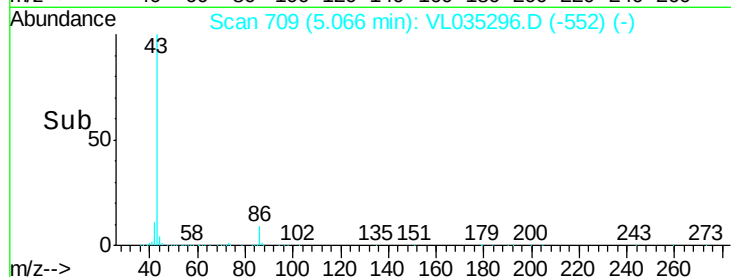
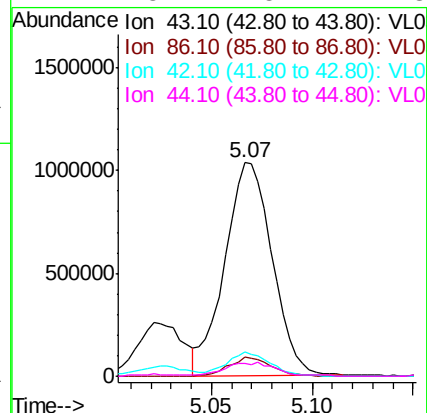
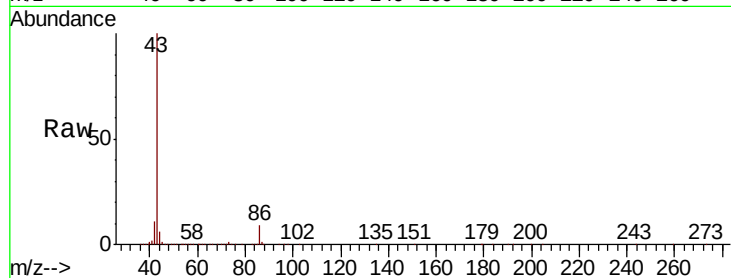


#23
 Vinyl Acetate
 Concen: 10.635 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion: 43 Resp: 1701443

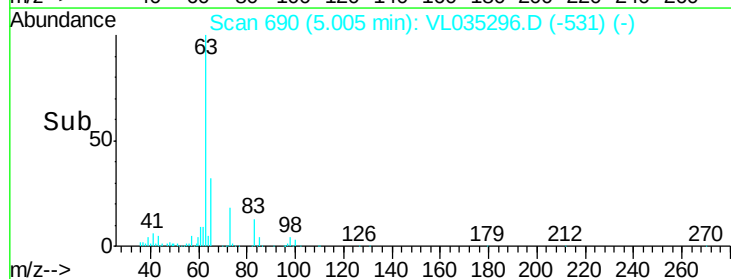
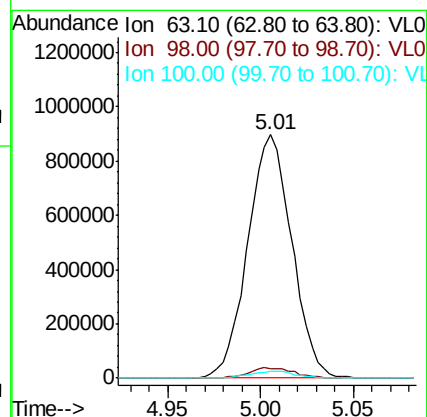
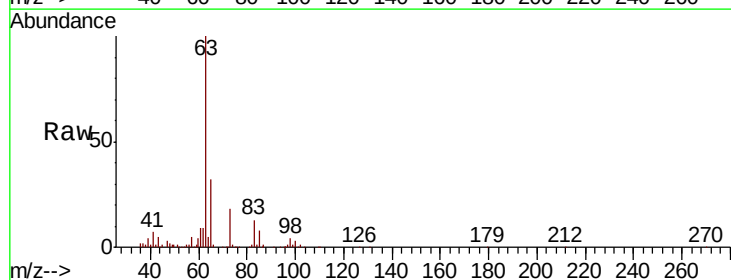
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.2	9.2
42	11.3	8.0	12.0
44	5.7	5.2	7.8

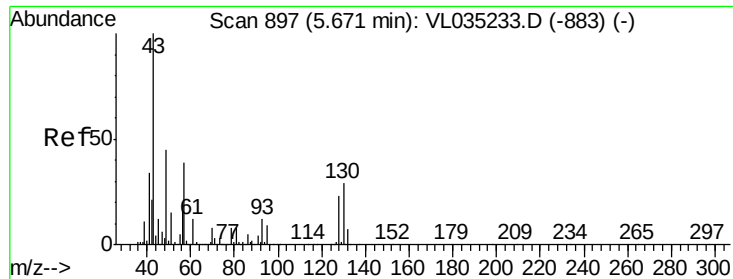


#24
 1,1-Dichloroethane
 Concen: 9.899 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 63 Resp: 1477041

Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.9	5.7
100	3.0	1.4	4.2



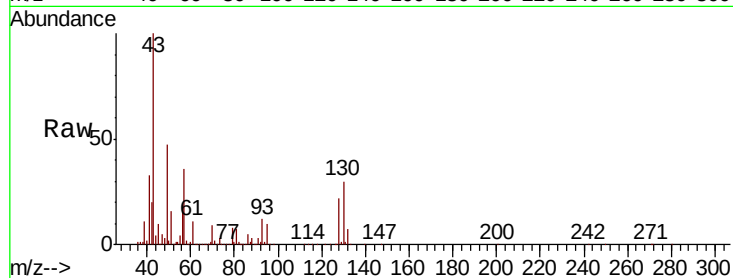


#25
Ethyl Acetate
Concen: 10.107 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion: 43 Resp: 2513049

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.5	12.7
61	10.2	8.1	12.1
70	7.7	6.2	9.4



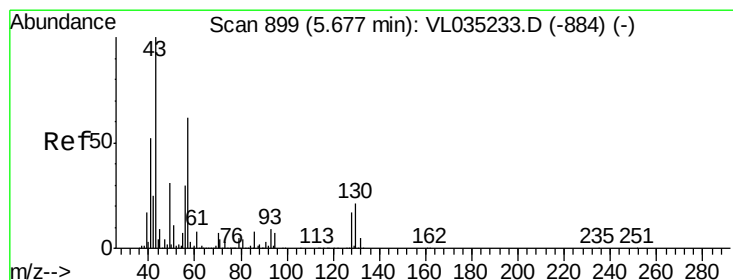
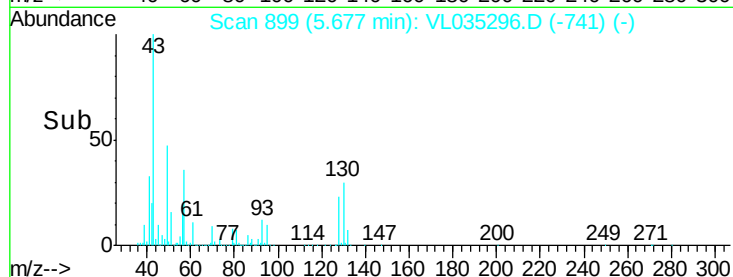
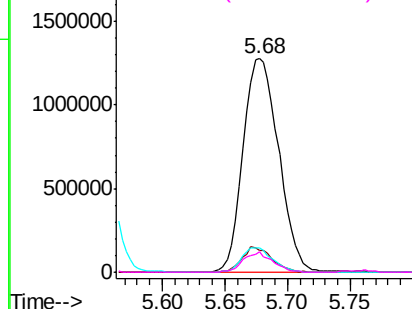
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

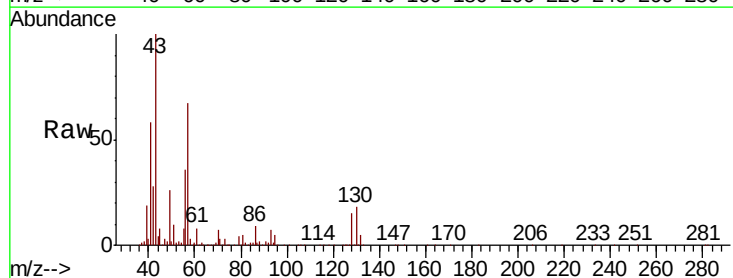
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.192 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 57 Resp: 1143211

Ion	Ratio	Lower	Upper
57	100		
41	91.6	73.9	110.9
43	220.4	177.6	266.4
56	53.8	43.0	64.4



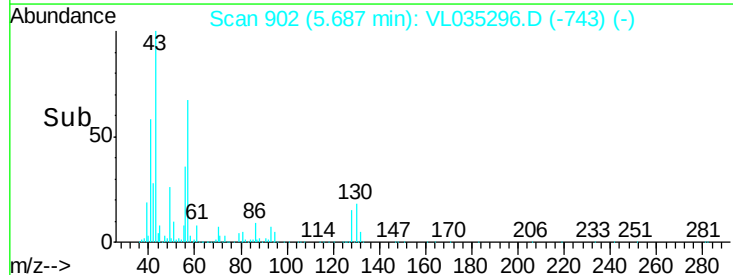
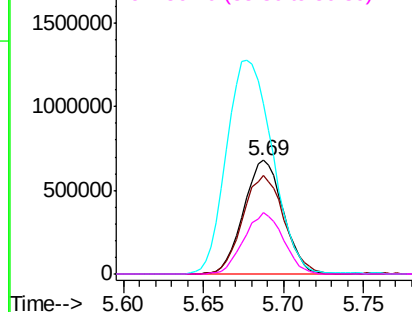
Abundance

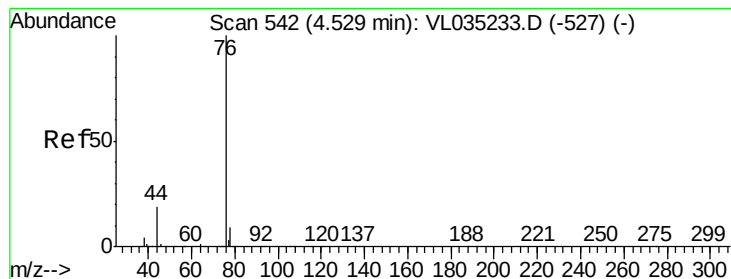
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.721 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

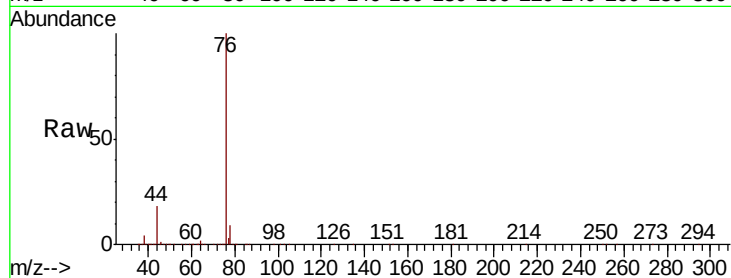
Tot Ion: 76 Resp: 1624708

Ion Ratio Lower Upper

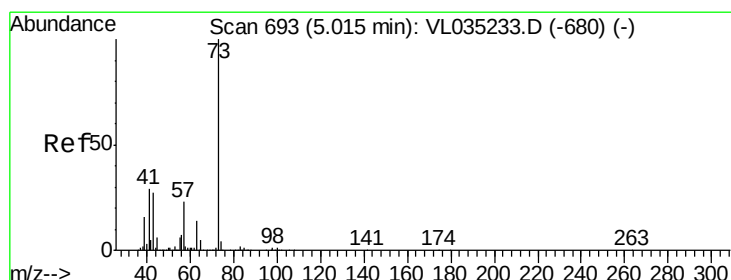
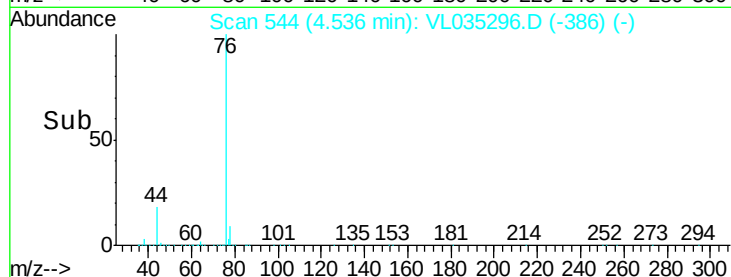
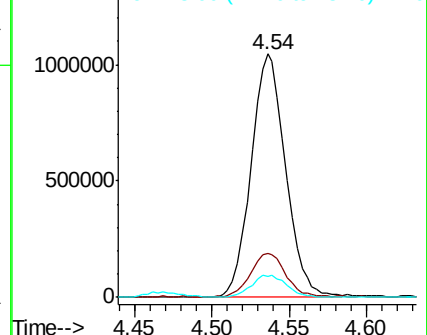
76 100

44 18.3 14.7 22.1

78 9.2 7.6 11.4



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: 10.846 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL035296.D

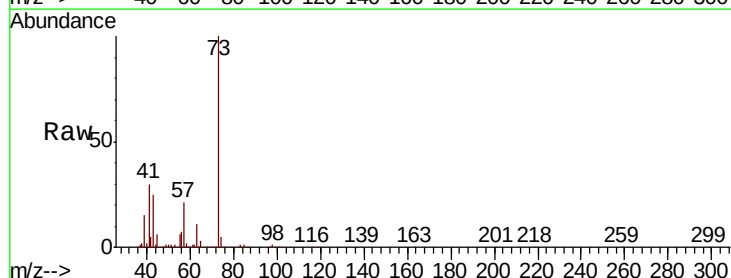
Acq: 31 Jul 2020 2:21

Tgt Ion: 73 Resp: 1739187

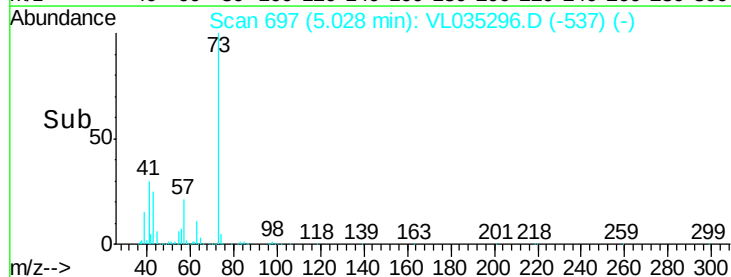
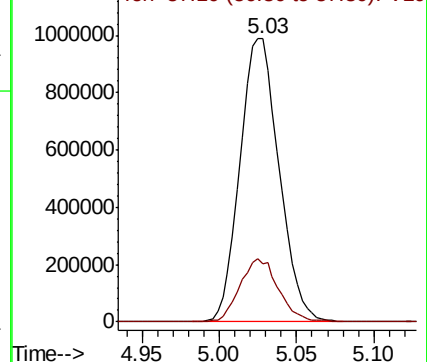
Ion Ratio Lower Upper

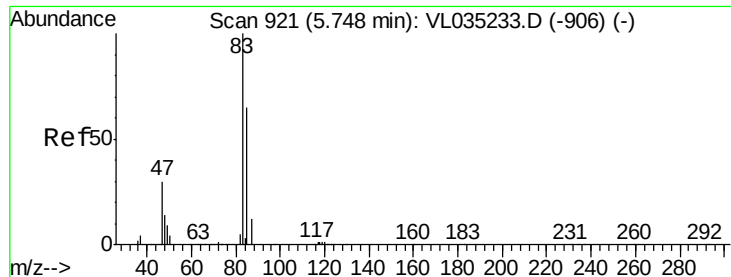
73 100

57 22.0 18.2 27.4



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





#29

Chloroform

Concen: 9.996 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

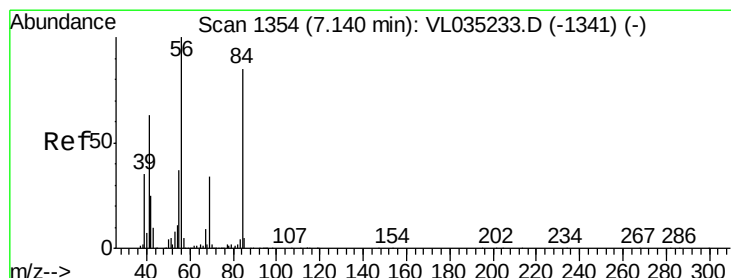
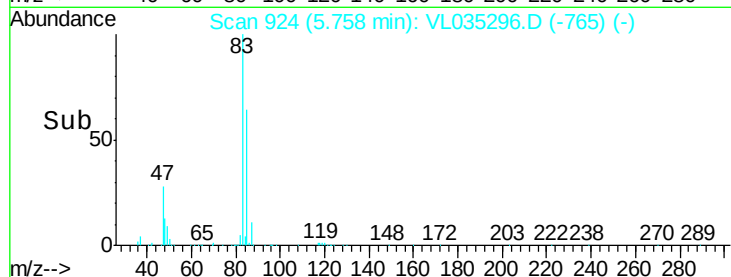
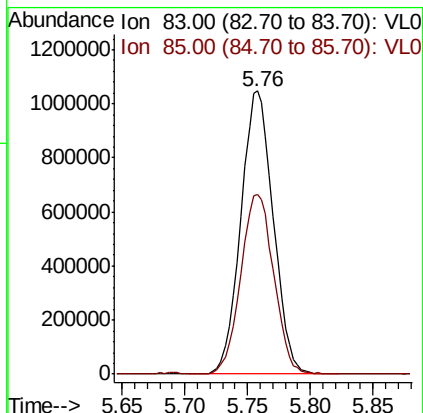
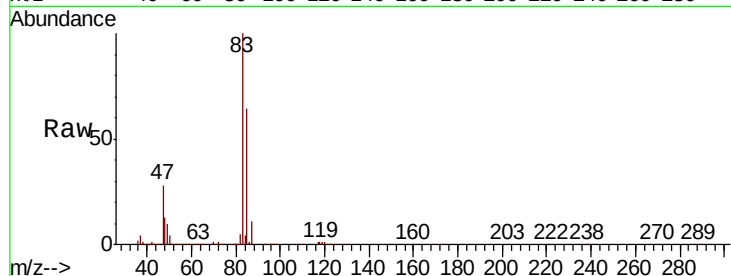
VL0731ABS01

Tot Ion: 83 Resp: 1880592

Ion Ratio Lower Upper

83 100

85 63.3 51.7 77.5



#30

Cyclohexane

Concen: 11.498 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

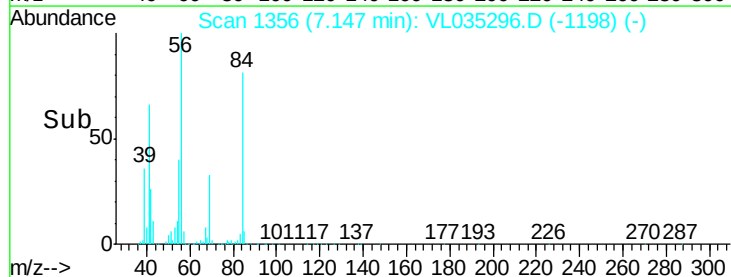
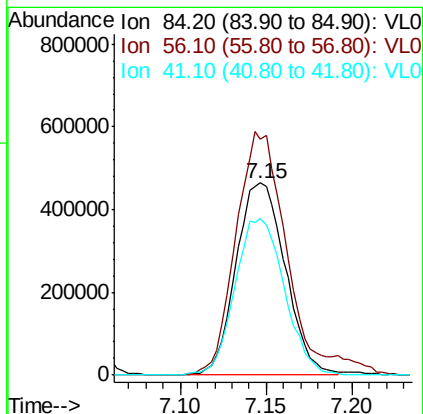
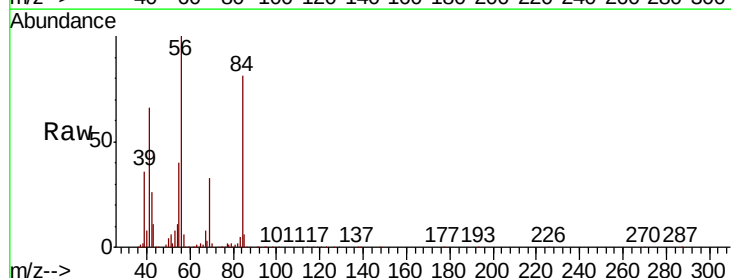
Tgt Ion: 84 Resp: 921847

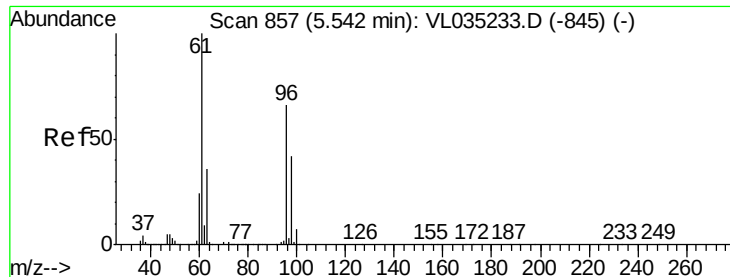
Ion Ratio Lower Upper

84 100

56 133.3 104.2 156.2

41 82.1 63.7 95.5





#31

cis-1,2-Dichloroethene

Concen: 11.145 ppbv

RT: 5.55 min Scan# 859

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

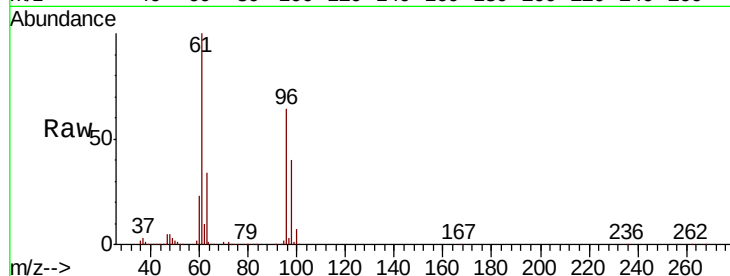
MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 61 Resp: 1089751

Ion	Ratio	Lower	Upper
61	100		
96	63.6	52.6	78.8
98	40.2	33.7	50.5

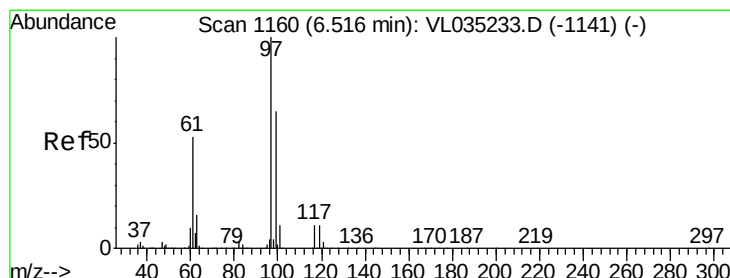
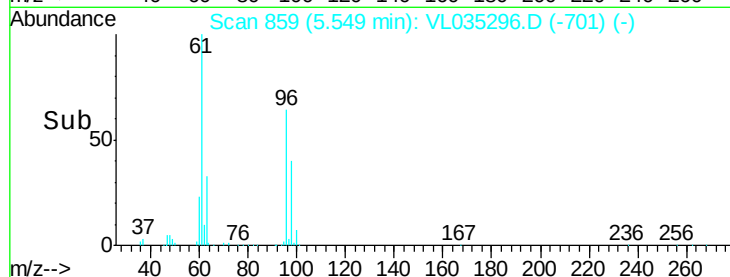
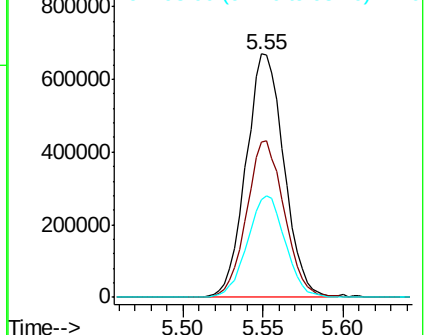


Abundance

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: 9.611 ppbv

RT: 6.52 min Scan# 1162

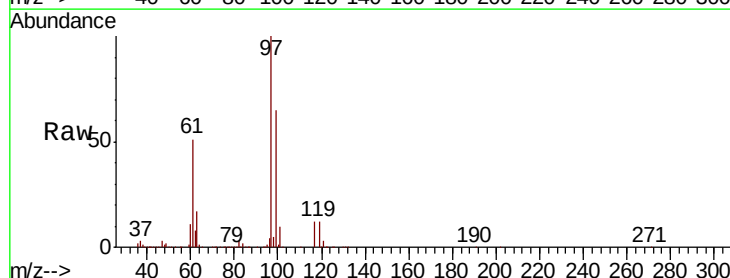
Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion: 97 Resp: 1850714

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	50.3	40.4	60.6

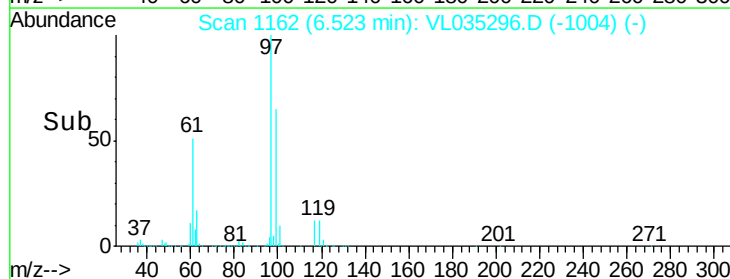
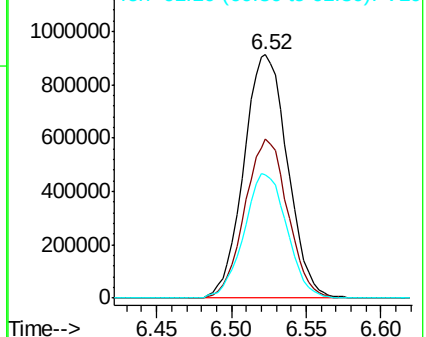


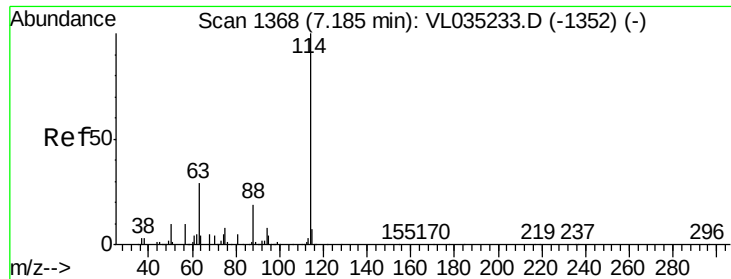
Abundance

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

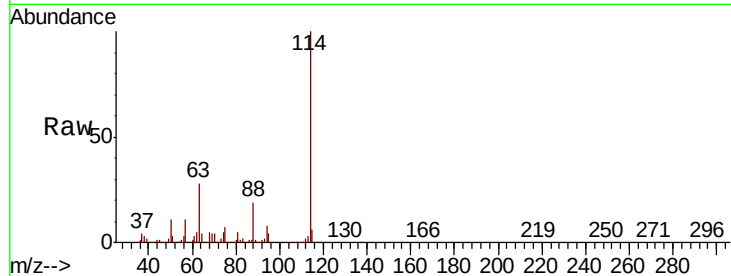




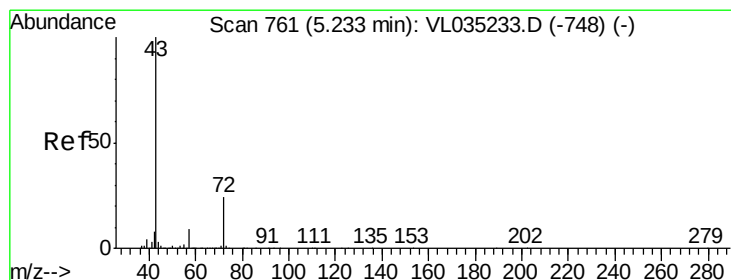
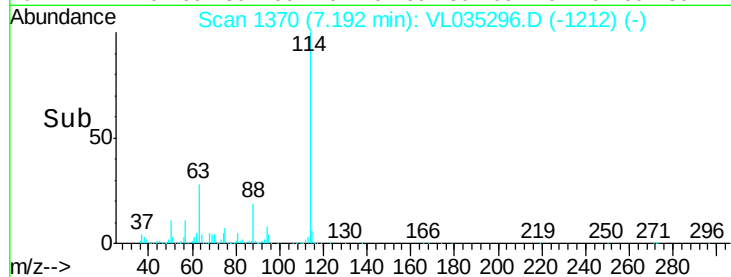
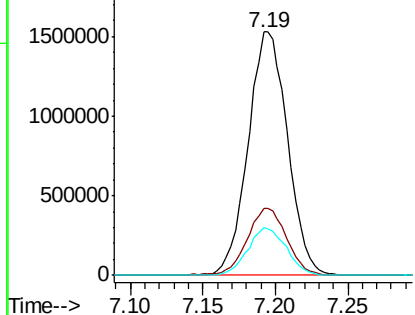
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion:114 Resp: 2895350
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.2 33.2
 88 19.3 15.4 23.0

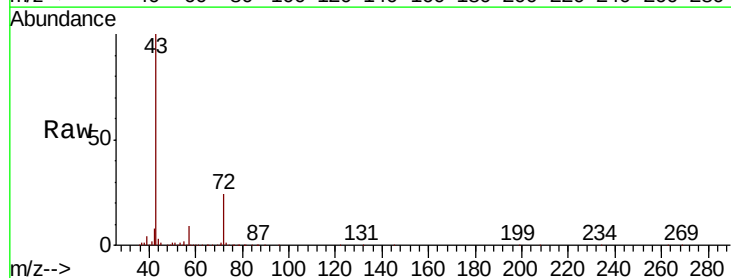


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

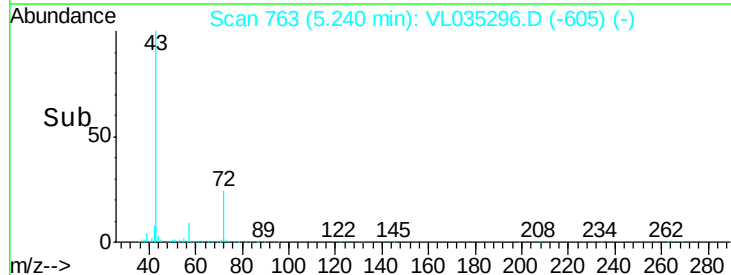
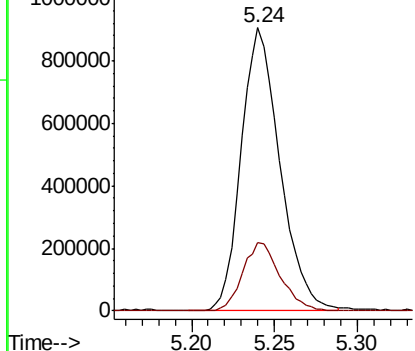


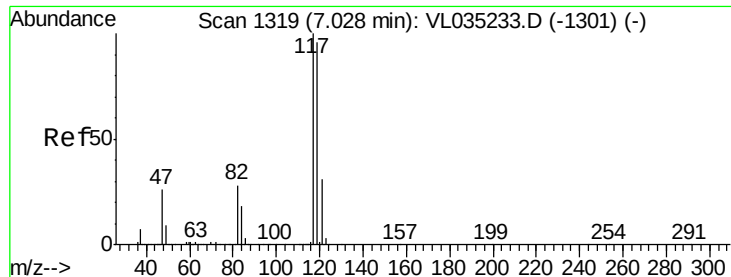
#34
 2-Butanone
 Concen: 9.933 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 43 Resp: 1463282
 Ion Ratio Lower Upper
 43 100
 72 23.6 19.2 28.8



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





#35

Carbon Tetrachloride

Concen: 9.868 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

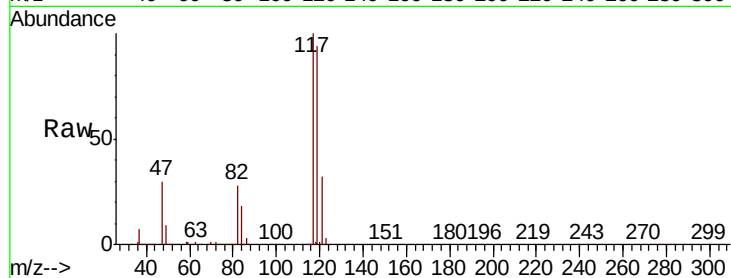
Tot Ion:117 Resp: 1913096

Ion Ratio Lower Upper

117 100

119 93.9 76.8 115.2

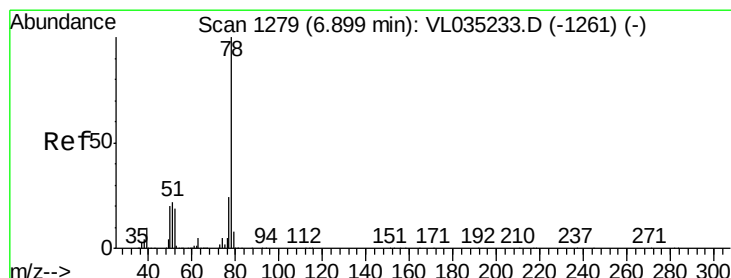
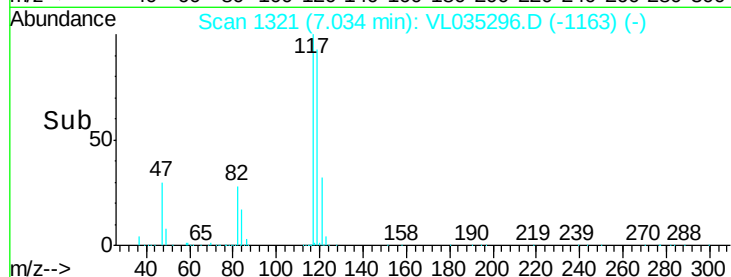
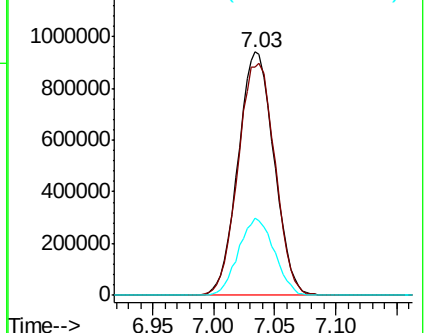
121 31.9 24.5 36.7



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: 10.821 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

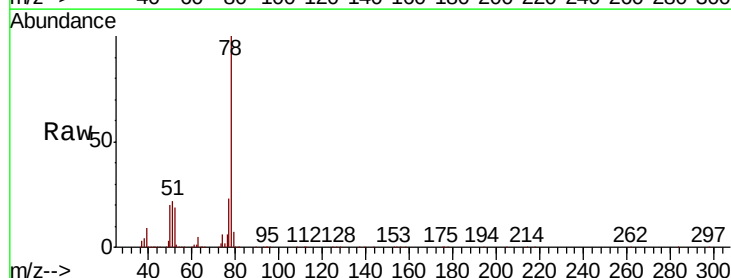
Tgt Ion: 78 Resp: 2177399

Ion Ratio Lower Upper

78 100

77 23.2 18.9 28.3

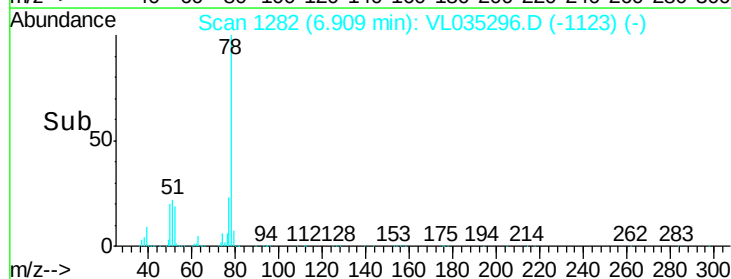
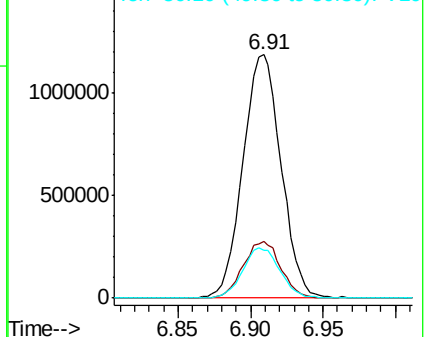
50 19.5 16.1 24.1

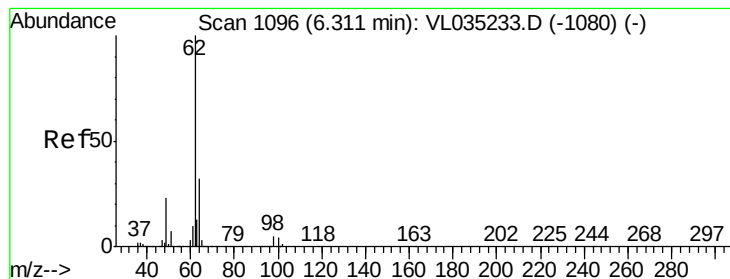


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.230 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

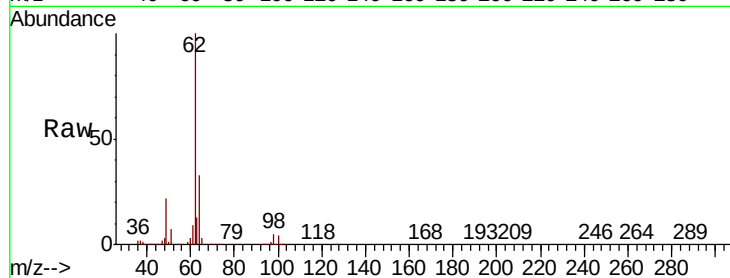
VL0731ABS01

Tot Ion: 62 Resp: 1438953

Ion Ratio Lower Upper

62 100

98 5.6 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.32

800000

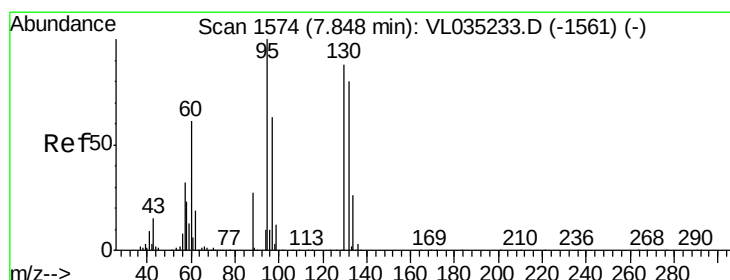
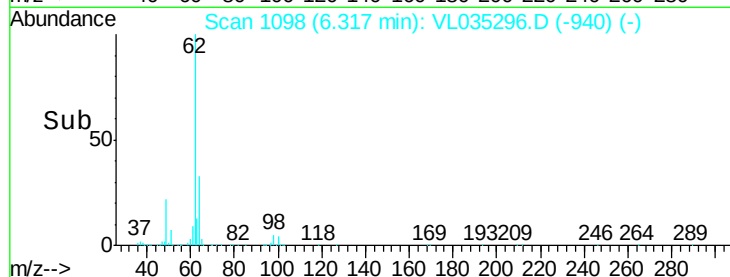
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35 6.40



#38

Trichloroethene

Concen: 11.104 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion: 130 Resp: 926001

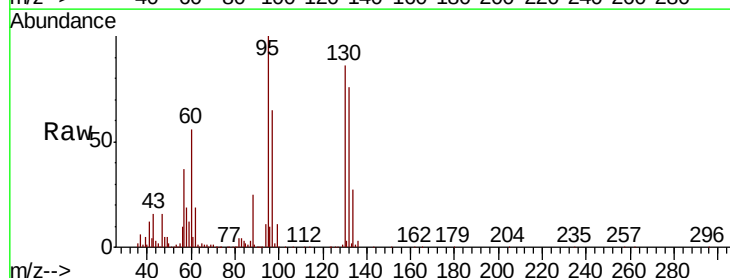
Ion Ratio Lower Upper

130 100

95 116.3 90.7 136.1

132 87.9 72.9 109.3

97 75.8 57.1 85.7



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

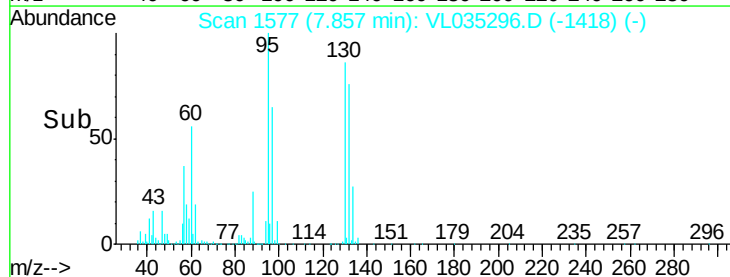
600000

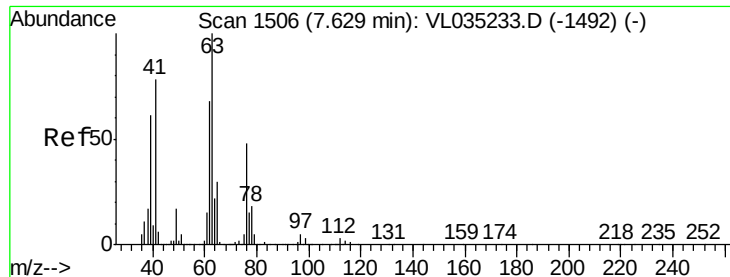
400000

200000

0

Time--> 7.75 7.80 7.85 7.90

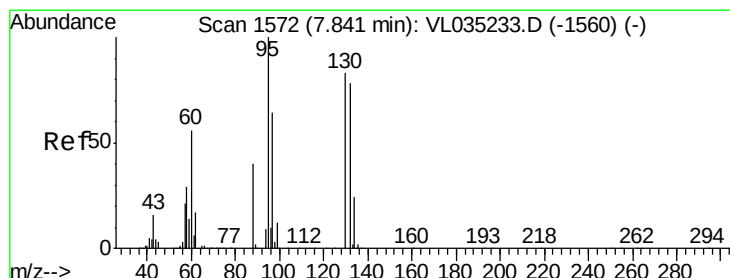
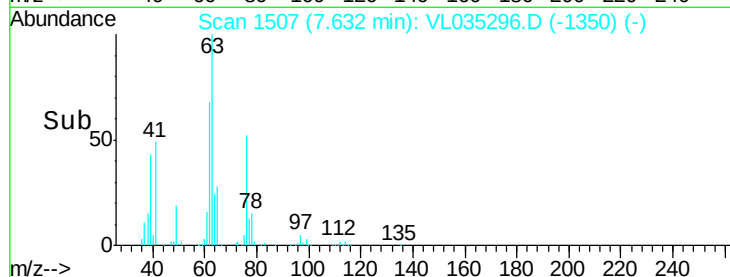
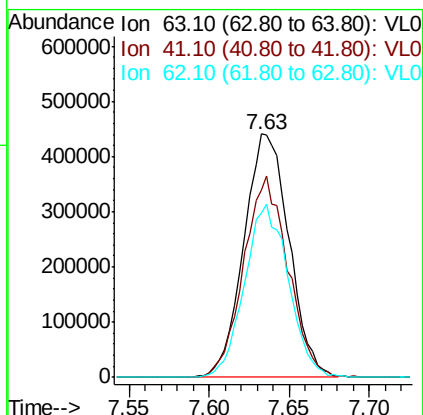
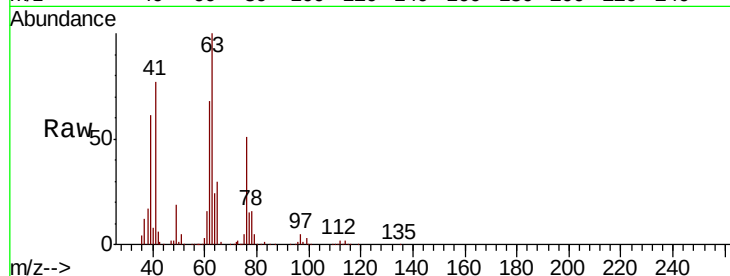




#39
 1,2-Dichloropropane
 Concen: 10.630 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

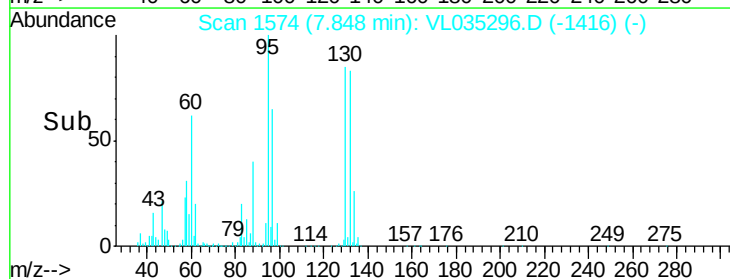
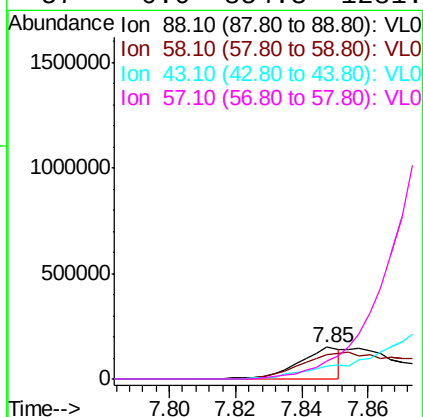
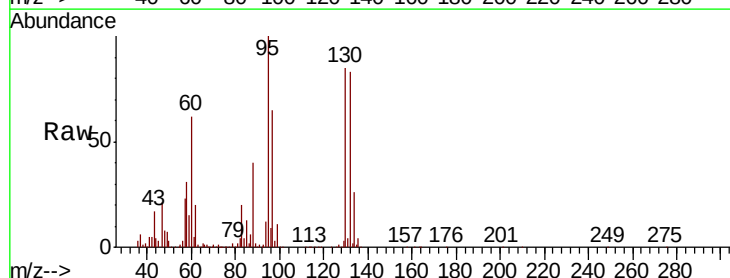
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

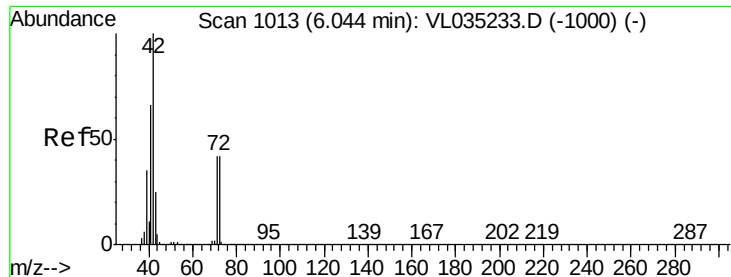
Tot Ion: 63 Resp: 853373
 Ion Ratio Lower Upper
 63 100
 41 76.9 62.2 93.4
 62 67.4 54.2 81.2



#40
 1,4-Dioxane
 Concen: 4.190 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 88 Resp: 132464
 Ion Ratio Lower Upper
 88 100
 58 0.0 99.3 148.9#
 43 0.0 195.6 293.4#
 57 0.0 854.3 1281.5#





#41

Tetrahydrofuran

Concen: 10.978 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

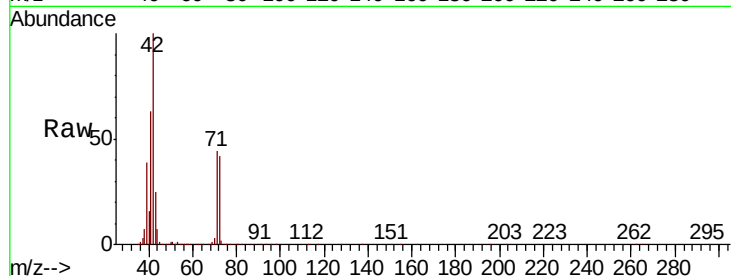
Tot Ion: 42 Resp: 792681

Ion Ratio Lower Upper

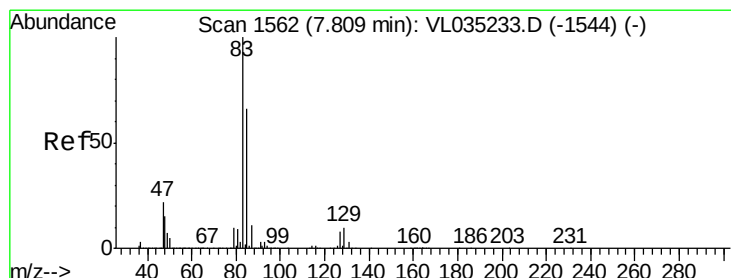
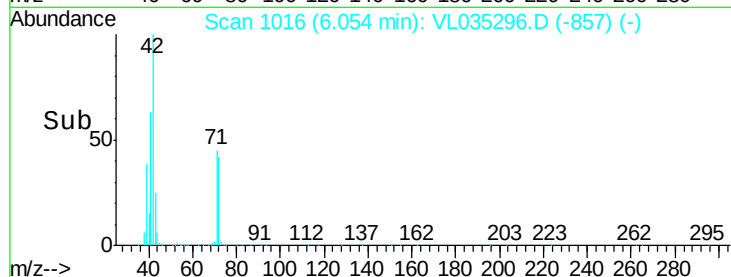
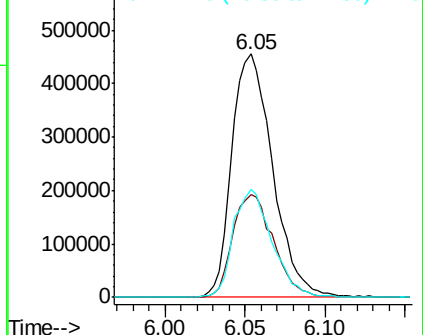
42 100

72 42.3 34.2 51.2

71 42.2 33.2 49.8



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: 10.667 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

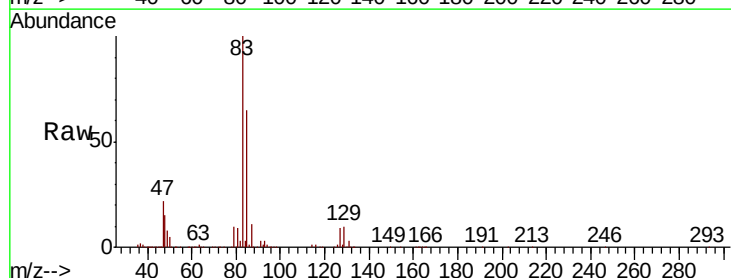
Tgt Ion: 83 Resp: 2002600

Ion Ratio Lower Upper

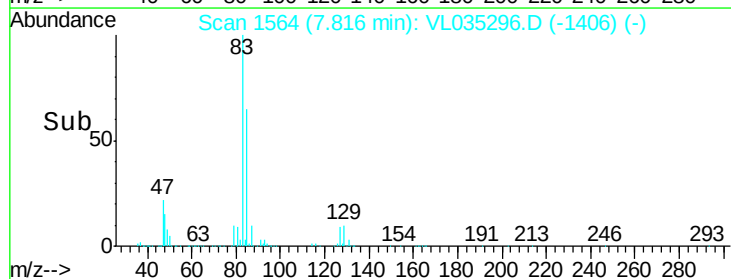
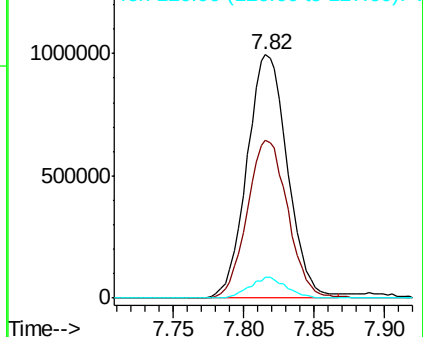
83 100

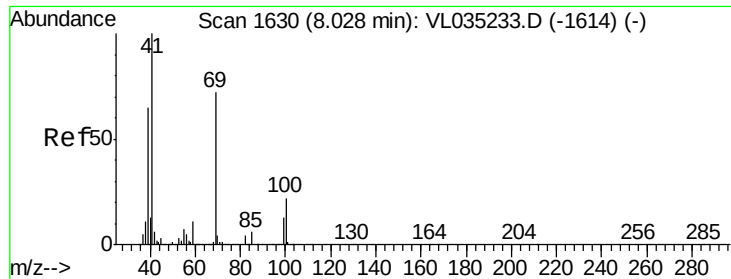
85 64.9 52.9 79.3

127 8.8 6.5 9.7



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

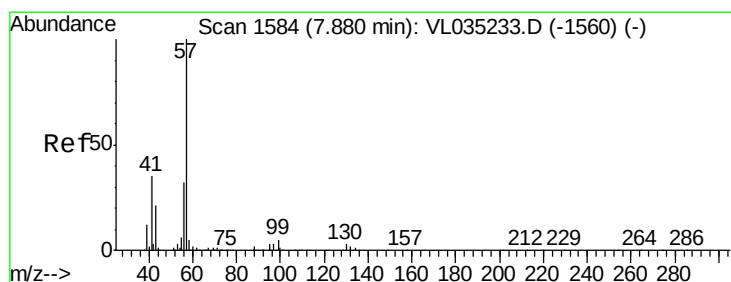
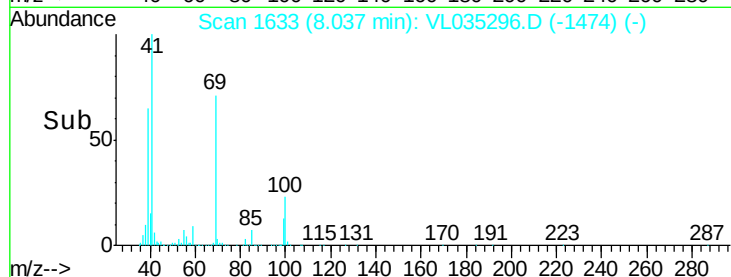
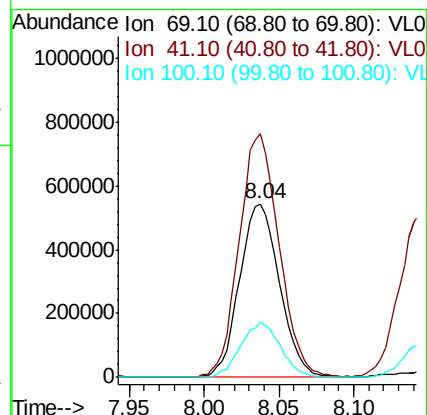
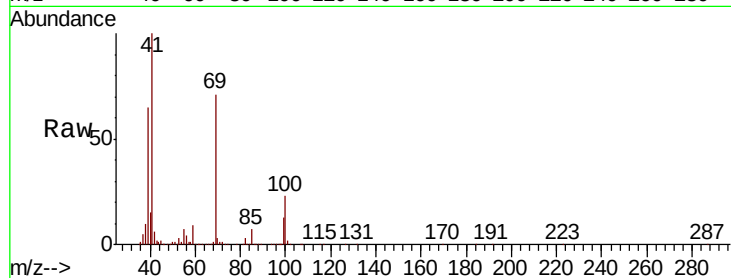




#43
Methyl Methacrylate
Concen: 11.607 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

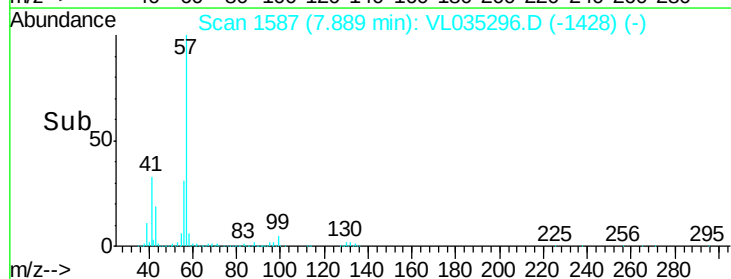
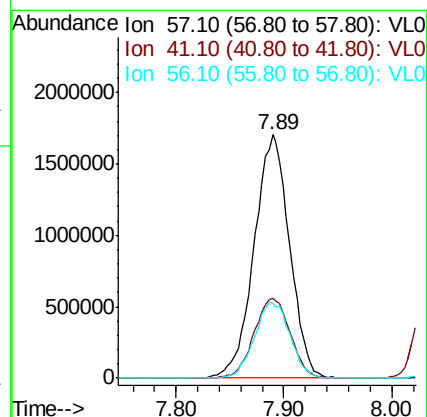
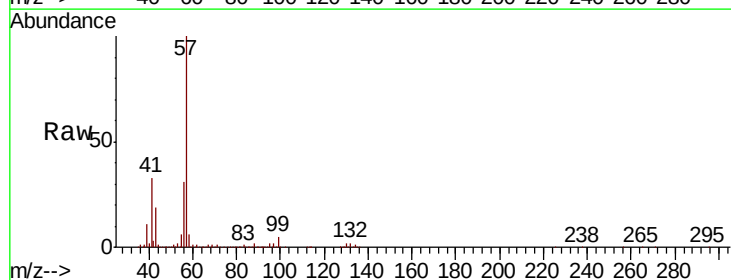
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

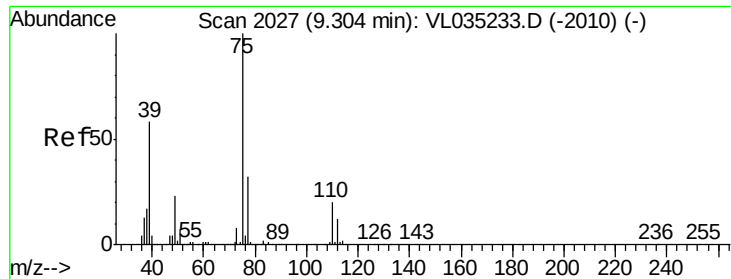
Tot Ion: 69 Resp: 1011934
Ion Ratio Lower Upper
69 100
41 139.9 113.0 169.4
100 31.6 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.945 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 57 Resp: 3880309
Ion Ratio Lower Upper
57 100
41 33.6 27.0 40.4
56 31.2 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 12.668 ppbv

RT: 9.31 min Scan# 2030

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

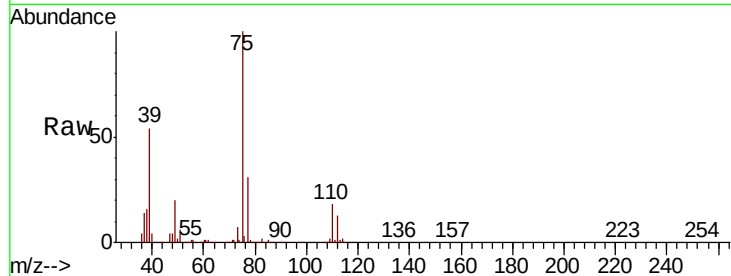
VL0731ABS01

Tot Ion: 75 Resp: 1112787

Ion Ratio Lower Upper

75 100

77 30.6 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.31

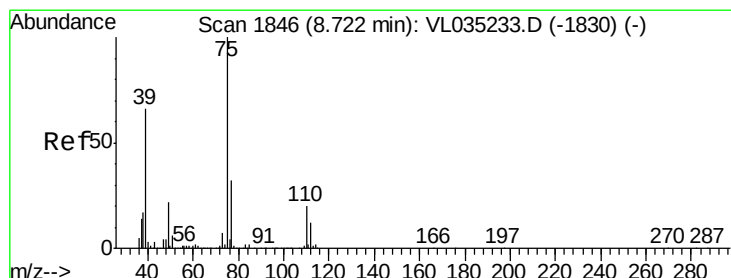
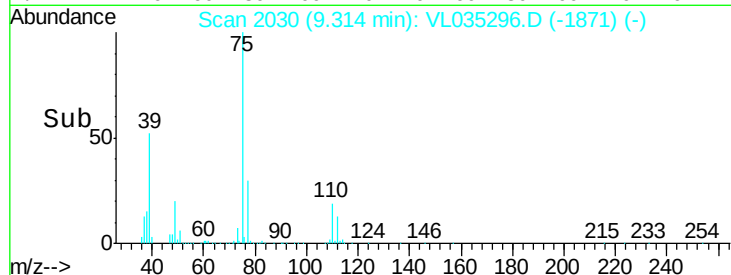
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.328 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

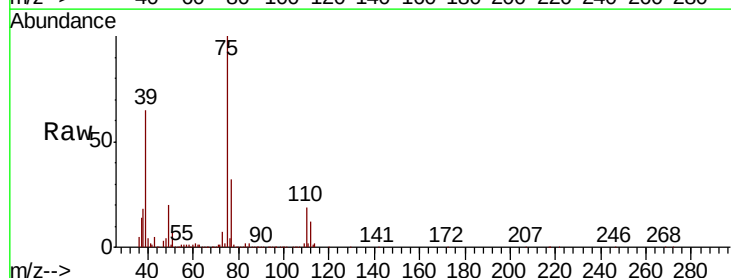
Tgt Ion: 75 Resp: 1319316

Ion Ratio Lower Upper

75 100

39 65.4 53.0 79.4

77 32.1 25.8 38.8



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

1000000

800000

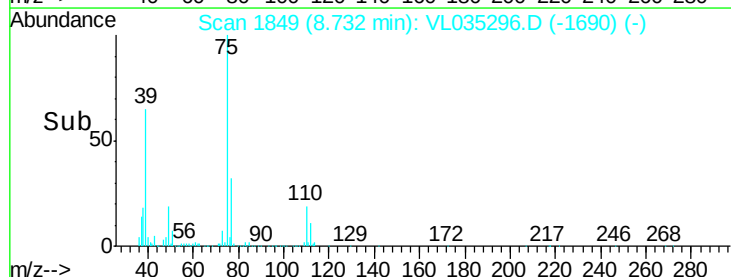
600000

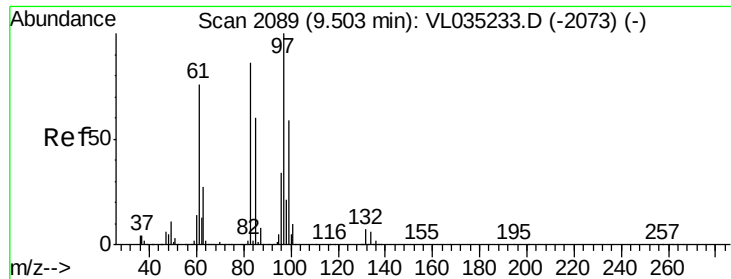
400000

200000

0

Time-->

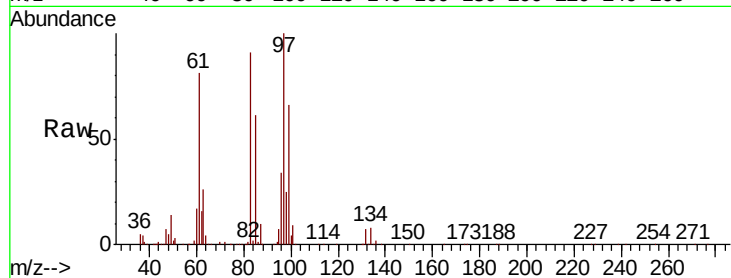




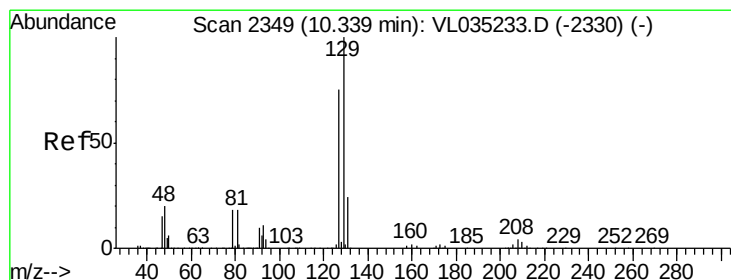
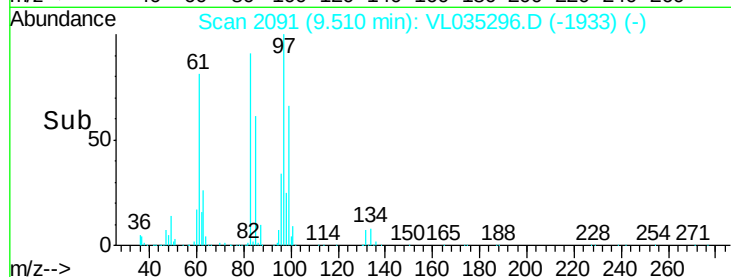
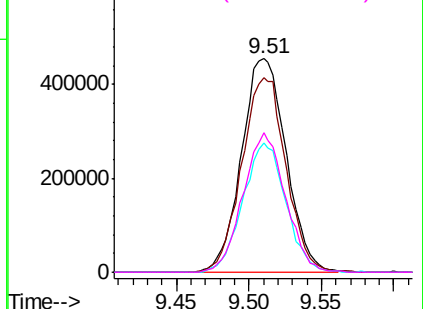
#47
 1,1,2-Trichloroethane
 Concen: 10.300 ppbv
 RT: 9.51 min Scan# 2091
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion: 97 Resp: 976800
 Ion Ratio Lower Upper
 97 100
 83 90.6 69.0 103.4
 85 60.5 47.8 71.8
 99 65.4 47.6 71.4

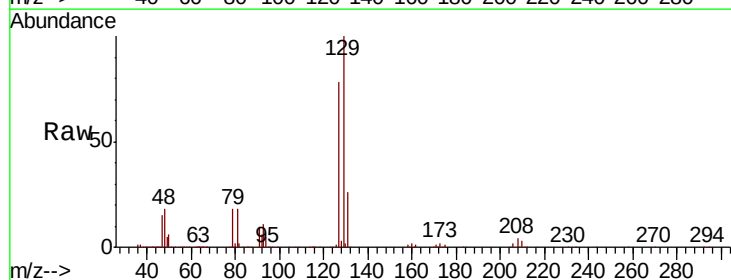


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

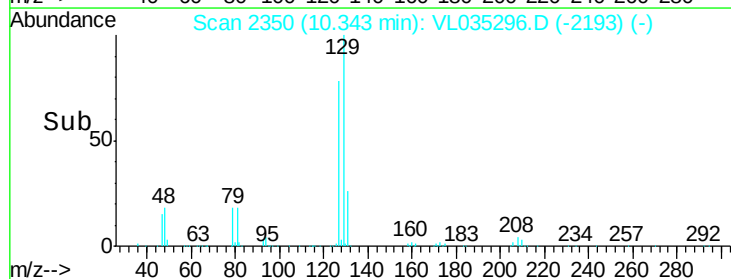
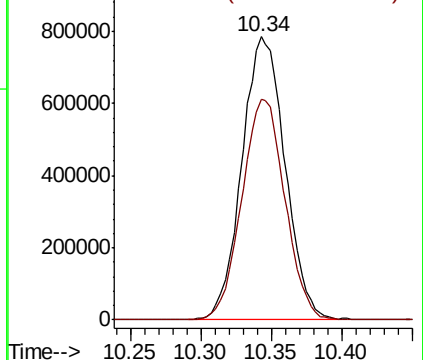


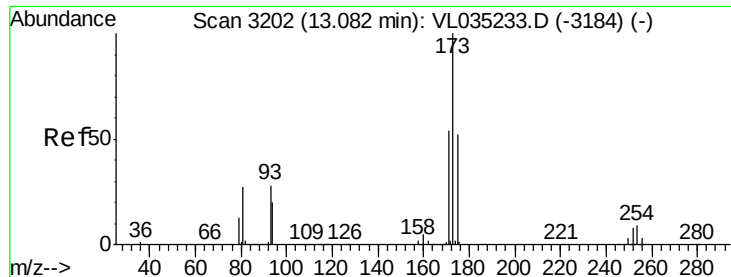
#48
 Dibromochloromethane
 Concen: 11.253 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. 0.00 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 129 Resp: 1680795
 Ion Ratio Lower Upper
 129 100
 127 78.0 39.6 119.0



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





#49

Bromoform

Concen: 11.305 ppbv

RT: 13.09 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

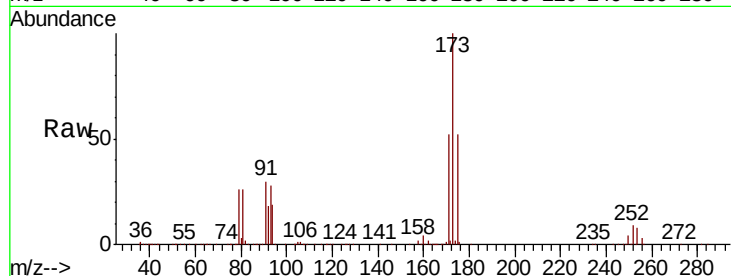
Tot Ion:173 Resp: 1517938

Ion Ratio Lower Upper

173 100

175 50.0 40.0 60.0

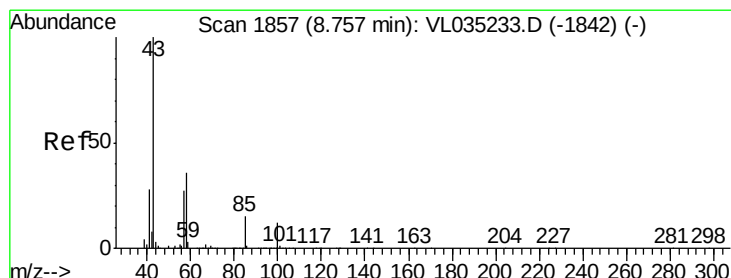
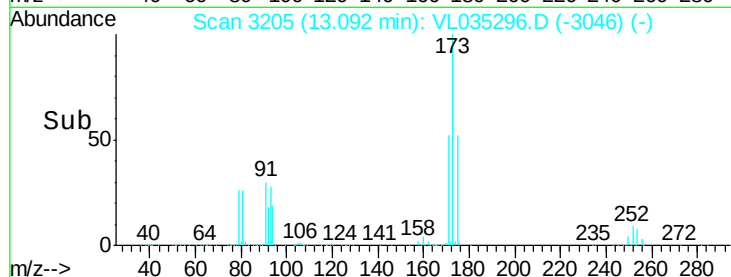
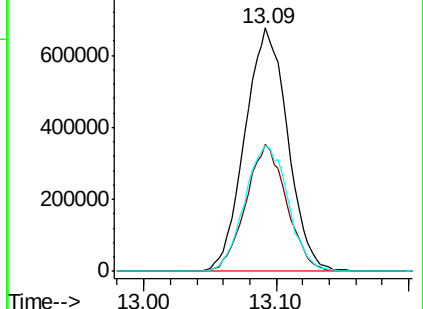
171 52.7 41.8 62.8



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: 11.101 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VL035296.D

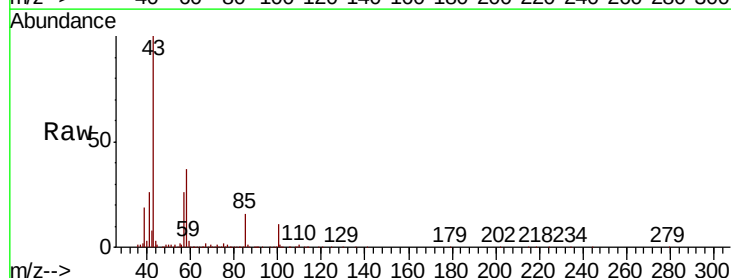
Acq: 31 Jul 2020 2:21

Tgt Ion: 43 Resp: 2369998

Ion Ratio Lower Upper

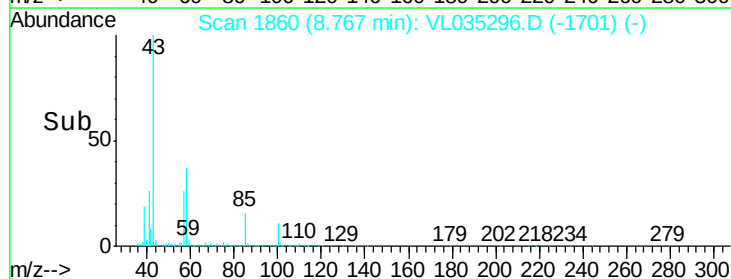
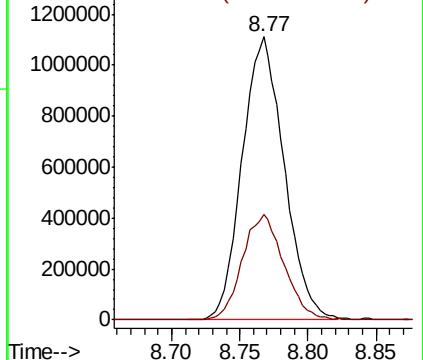
43 100

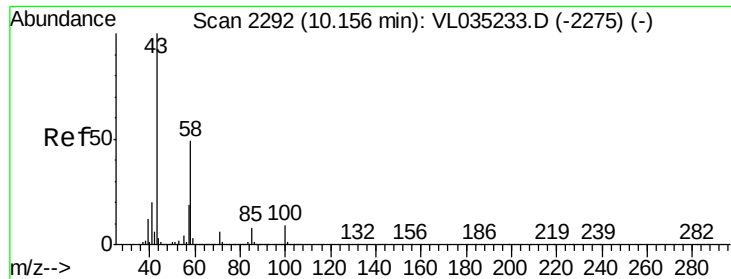
58 36.9 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.765 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampled :

VL0731ABS01

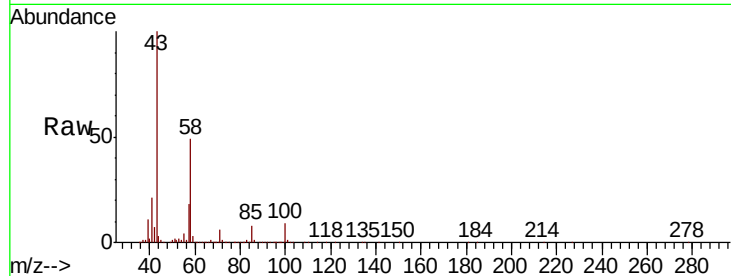
Tot Ion: 43 Resp: 1904673

Ion Ratio Lower Upper

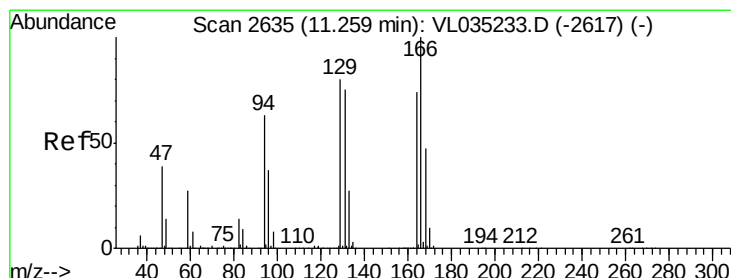
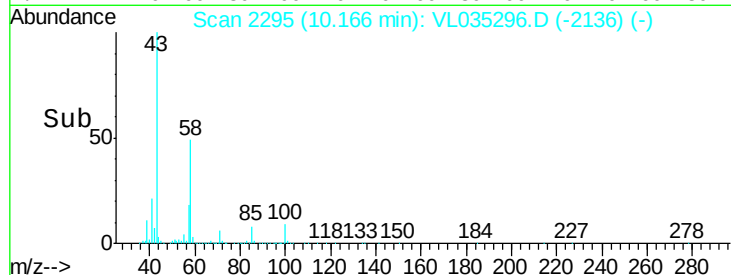
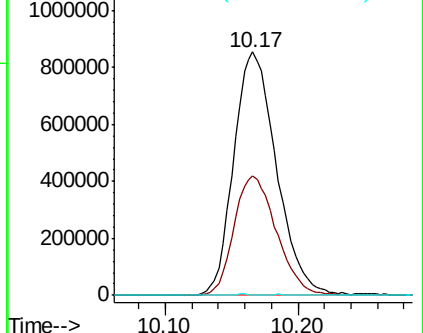
43 100

58 48.9 38.8 58.2

98 0.3 0.6 0.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 4.891 ppbv

RT: 11.27 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion: 164 Resp: 375507

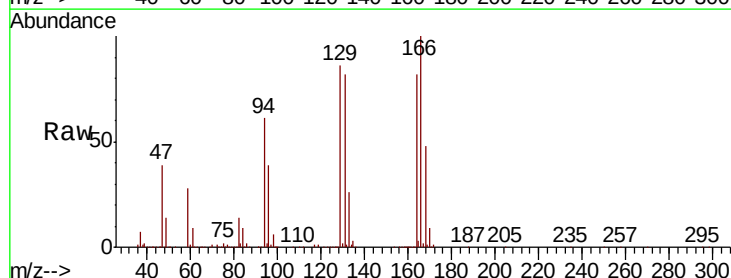
Ion Ratio Lower Upper

164 100

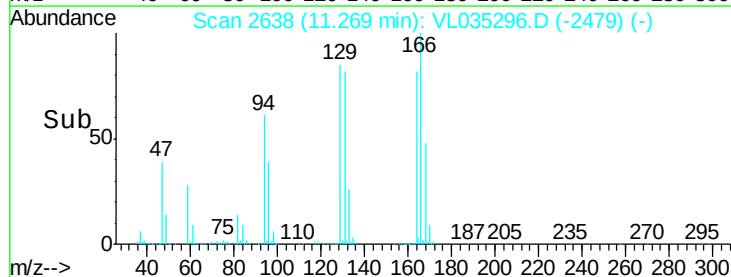
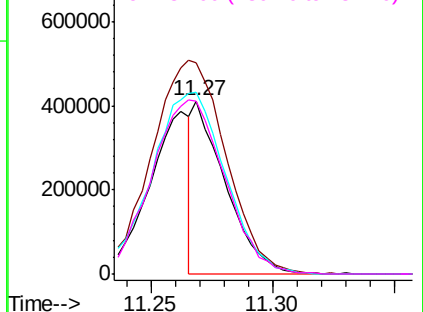
166 122.3 107.5 161.3

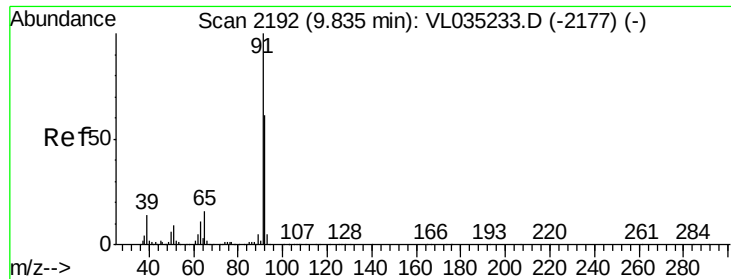
129 104.6 86.0 129.0

131 99.7 80.3 120.5



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 12.298 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

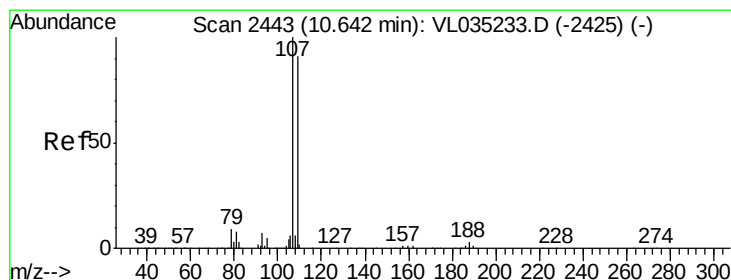
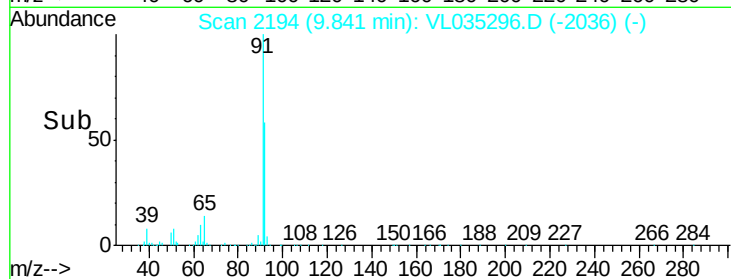
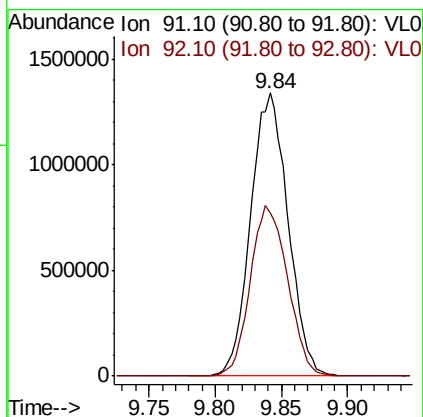
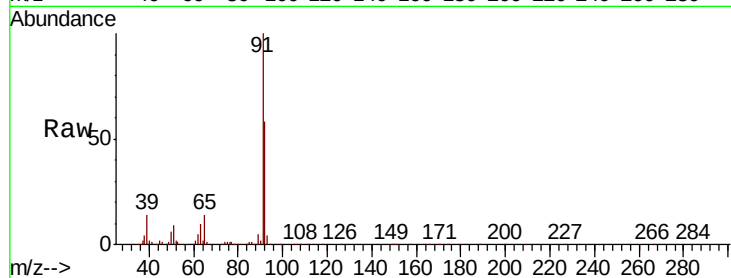
VL0731ABS01

Tot Ion: 91 Resp: 2629925

Ion Ratio Lower Upper

91 100

92 60.3 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.787 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. 0.01 min

Lab File: VL035296.D

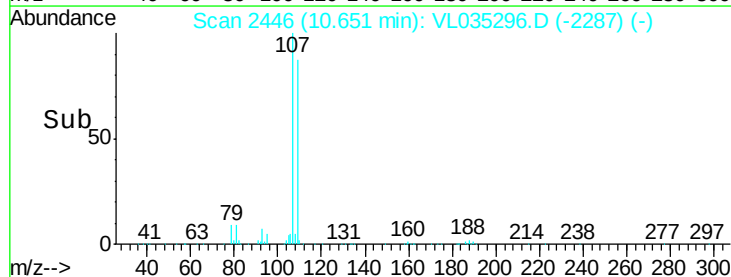
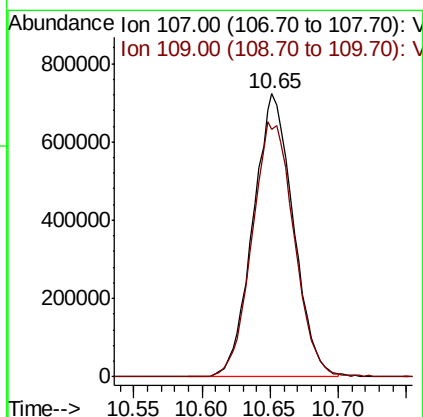
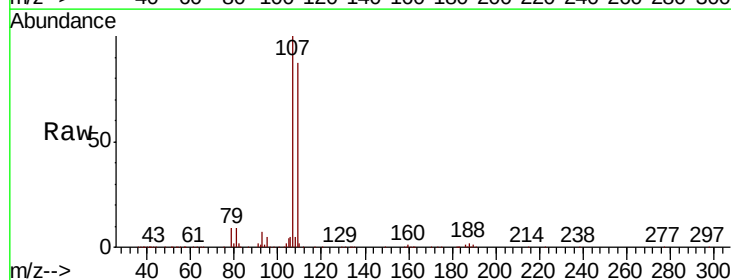
Acq: 31 Jul 2020 2:21

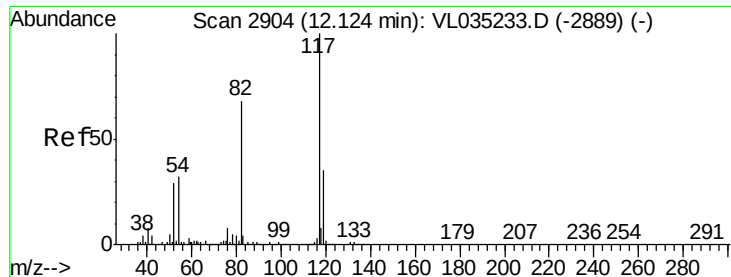
Tgt Ion: 107 Resp: 1479133

Ion Ratio Lower Upper

107 100

109 87.3 73.0 109.6

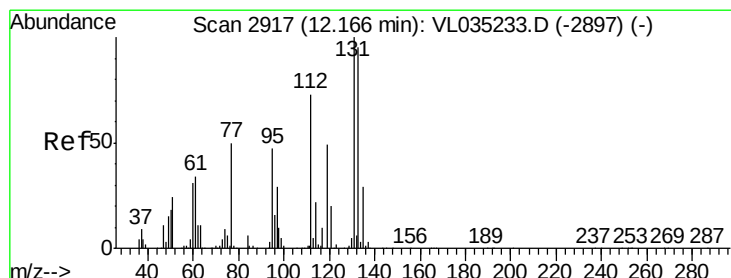
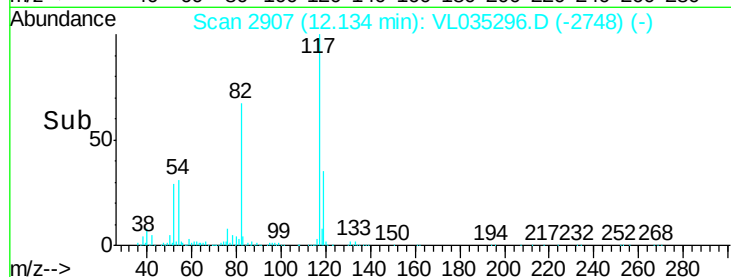
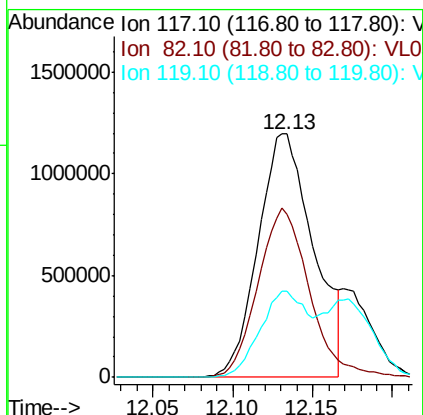
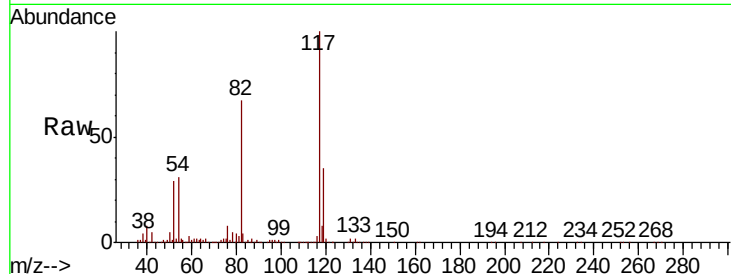




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

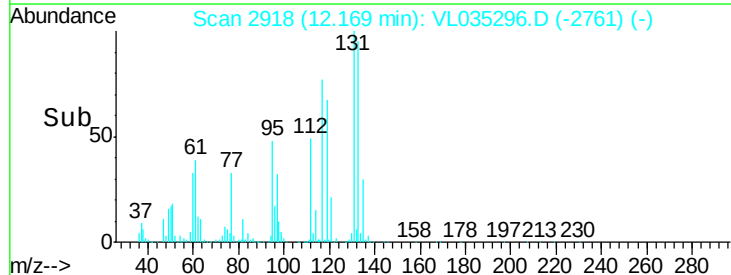
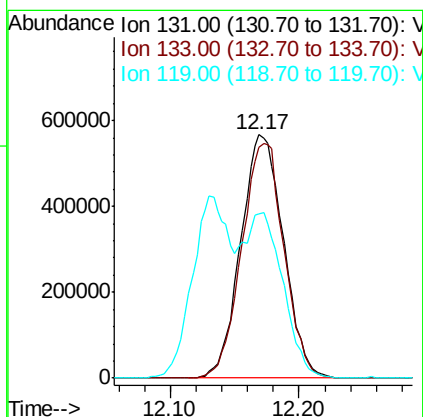
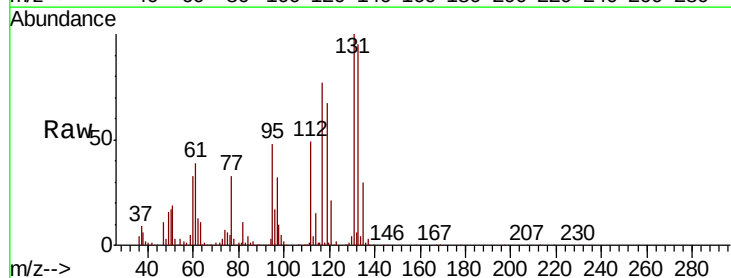
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

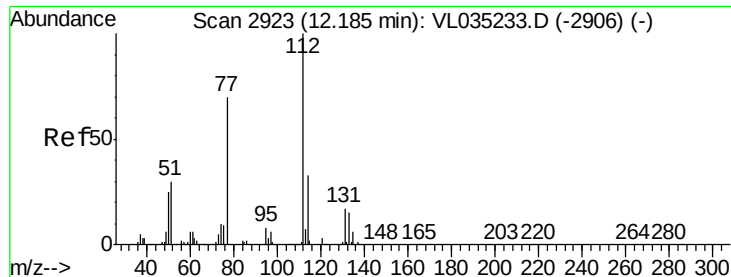
Tot Ion:117 Resp: 2865271
Ion Ratio Lower Upper
117 100
82 64.8 52.4 78.6
119 27.8 24.6 36.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.937 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion:131 Resp: 1309119
Ion Ratio Lower Upper
131 100
133 95.7 76.1 114.1
119 69.6 44.3 66.5#





#57

Chlorobenzene

Concen: 10.034 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

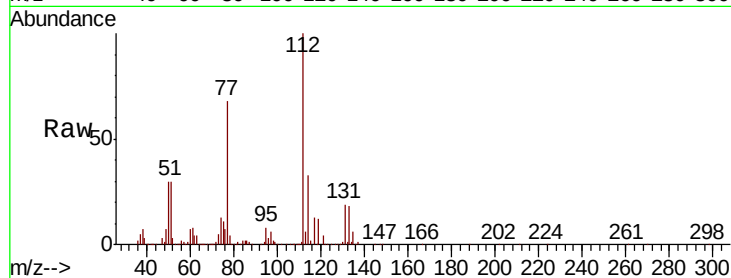
VL0731ABS01

Tot Ion:112 Resp: 2163217

Ion	Ratio	Lower	Upper
112	100		
77	68.2	57.3	85.9
114	32.5	29.3	35.8

77 68.2 57.3 85.9

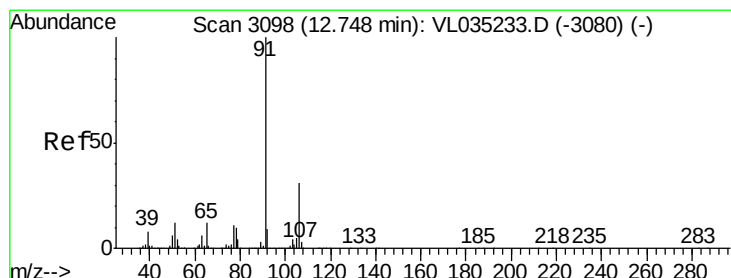
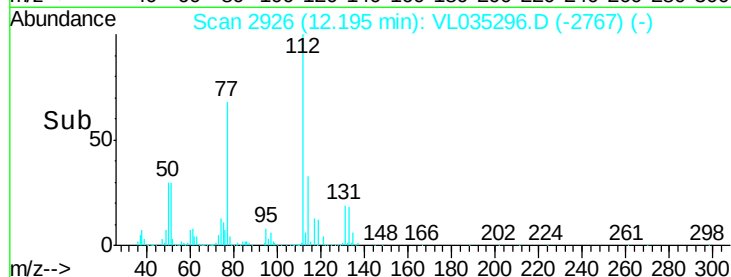
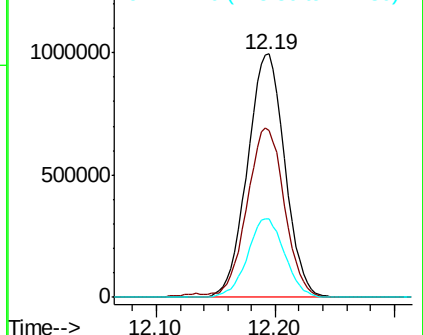
114 32.5 29.3 35.8



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: 11.970 ppbv

RT: 12.75 min Scan# 3100

Delta R.T. 0.01 min

Lab File: VL035296.D

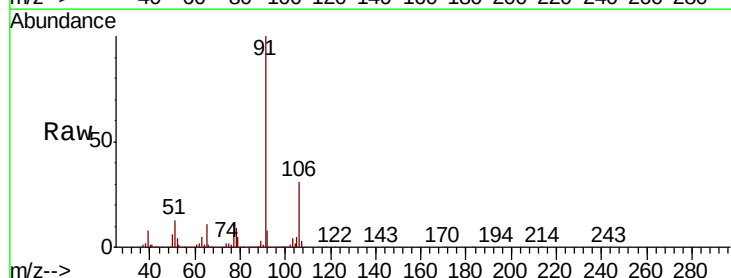
Acq: 31 Jul 2020 2:21

Tgt Ion: 91 Resp: 3632260

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.0	37.6

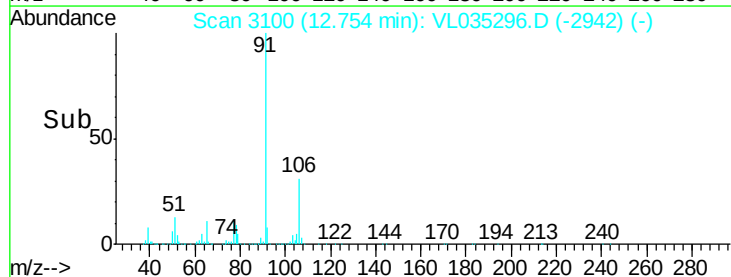
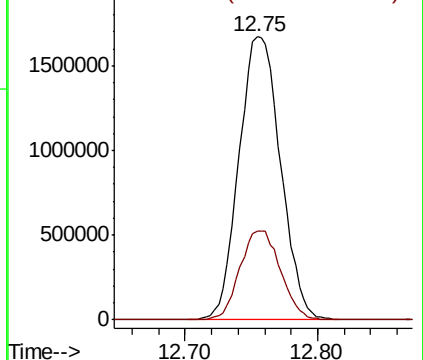
91 100

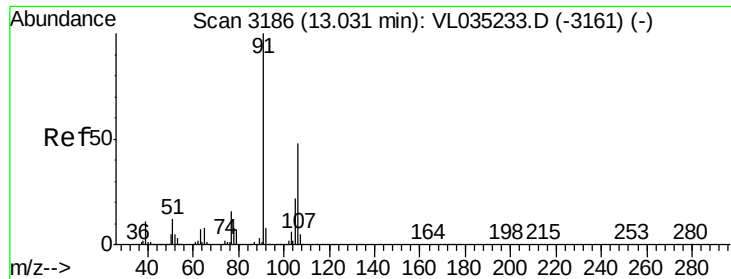
106 31.5 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 11.320 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

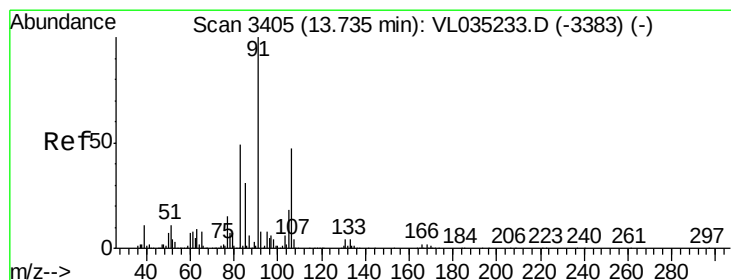
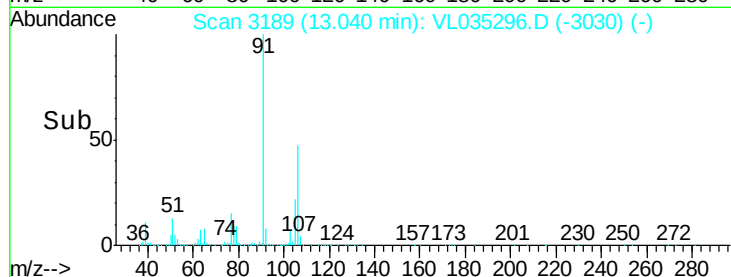
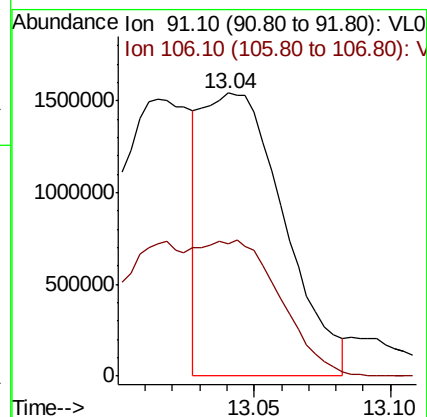
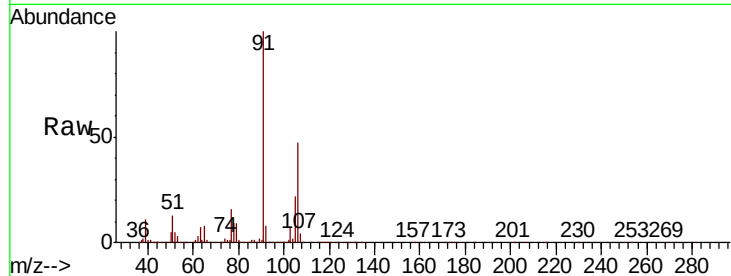
VL0731ABS01

Tot Ion: 91 Resp: 3197874

Ion Ratio Lower Upper

91 100

106 89.7 37.2 55.8#



#60

o-Xylene

Concen: 11.201 ppbv

RT: 13.74 min Scan# 3407

Delta R.T. 0.01 min

Lab File: VL035296.D

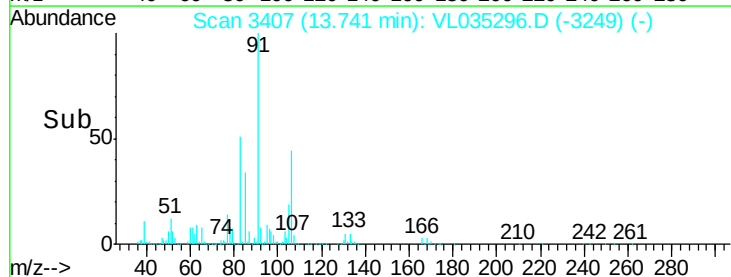
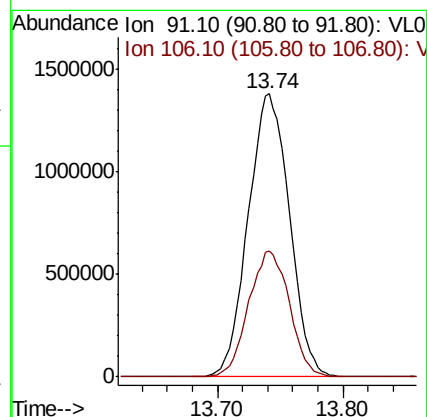
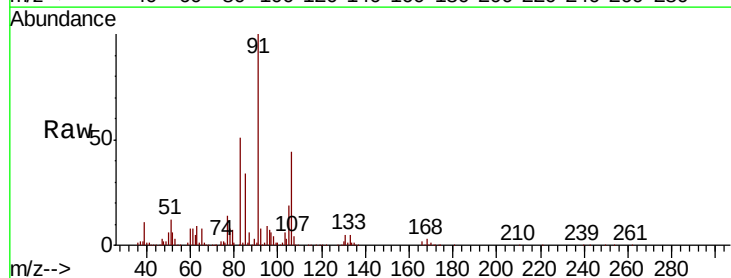
Acq: 31 Jul 2020 2:21

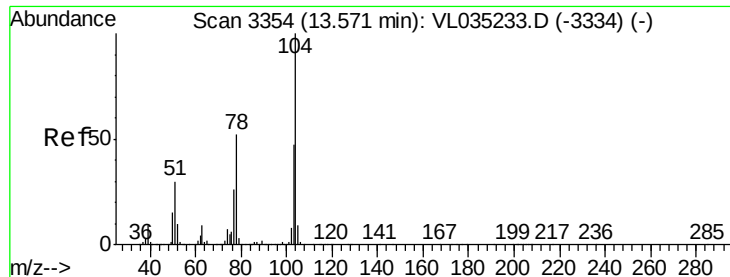
Tgt Ion: 91 Resp: 3157405

Ion Ratio Lower Upper

91 100

106 43.9 22.4 67.0





#61

Stvrene

Concen: 12.615 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

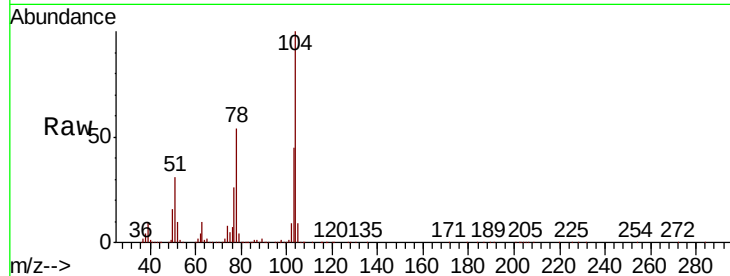
Tot Ion:104 Resp: 2158252

Ion Ratio Lower Upper

104 100

78 54.8 43.3 64.9

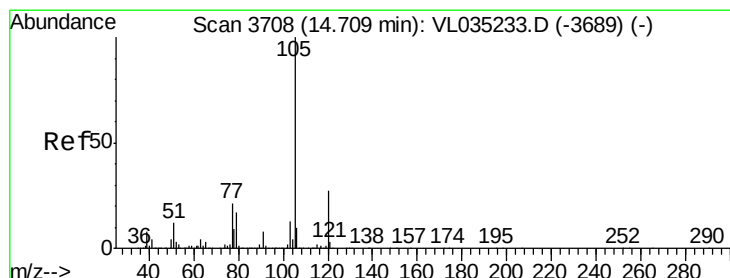
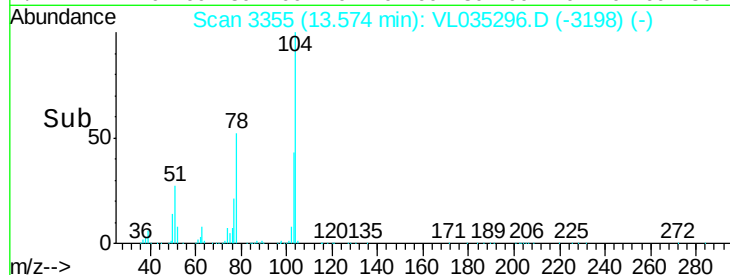
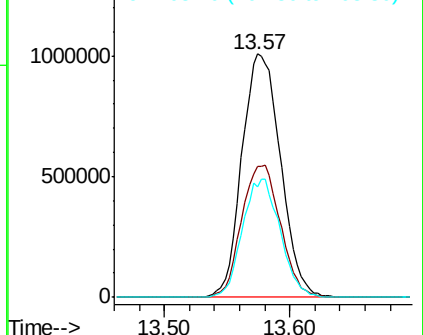
103 47.4 38.2 57.2



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: 10.981 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. 0.01 min

Lab File: VL035296.D

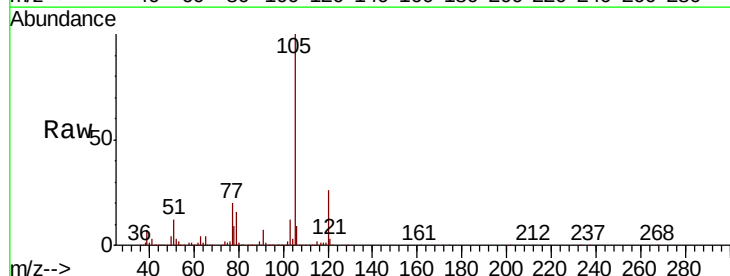
Acq: 31 Jul 2020 2:21

Tgt Ion:105 Resp: 4606754

Ion Ratio Lower Upper

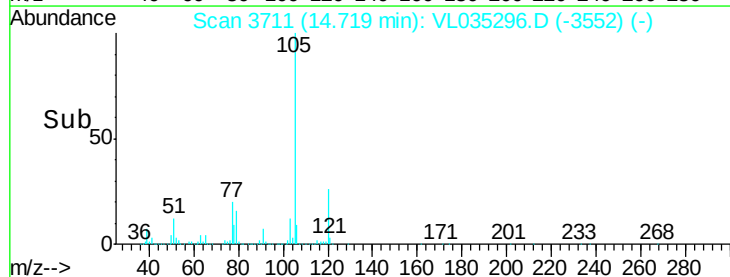
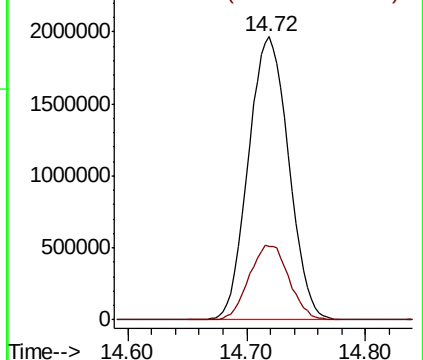
105 100

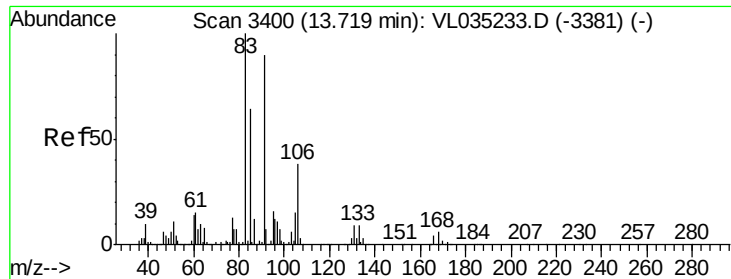
120 26.1 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

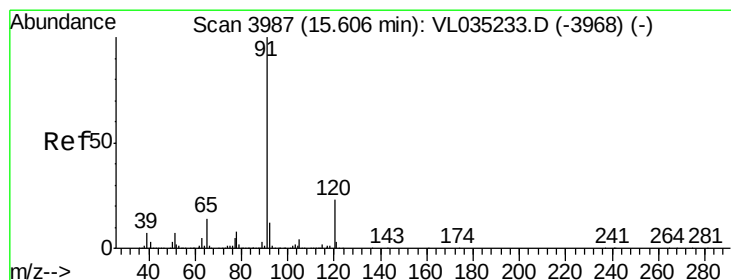
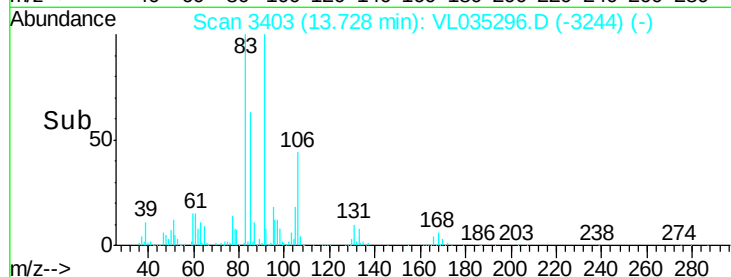
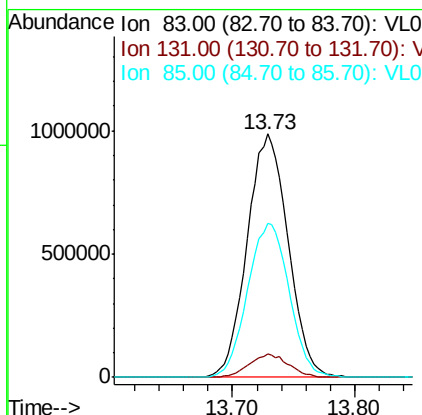
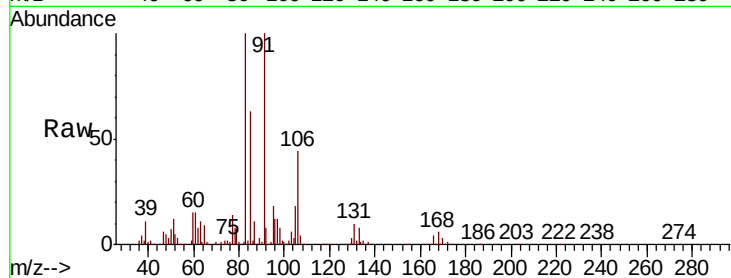




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.442 ppbv
 RT: 13.73 min Scan# 3403
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

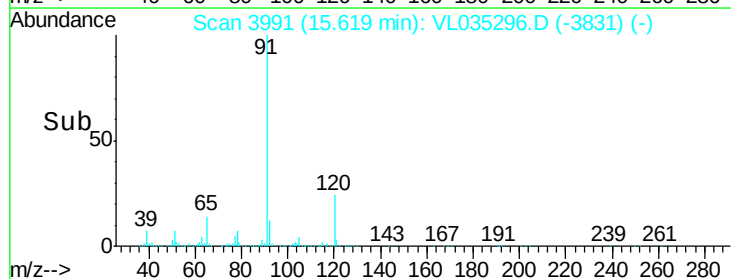
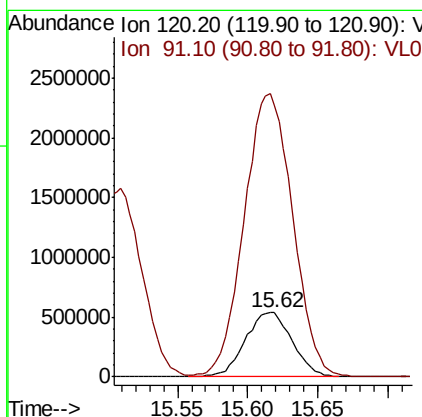
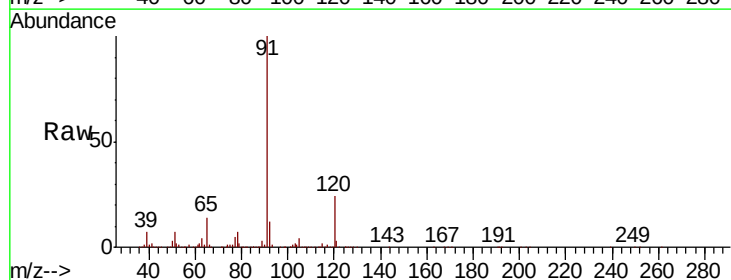
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

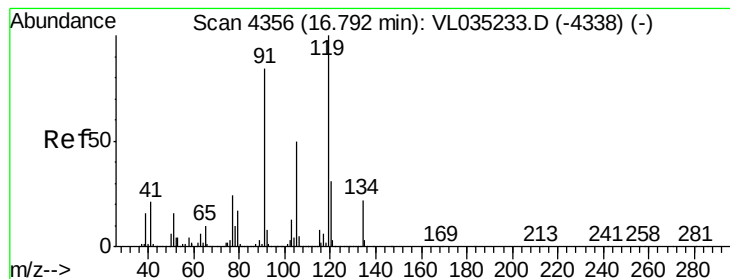
Tot Ion: 83 Resp: 2290128
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.6 13.8
 85 64.4 32.7 98.1



#64
 n-propylbenzene
 Concen: 11.205 ppbv
 RT: 15.62 min Scan# 3991
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 120 Resp: 1249878
 Ion Ratio Lower Upper
 120 100
 91 456.9 367.5 551.3





#65

tert-Butylbenzene

Concen: 10.953 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

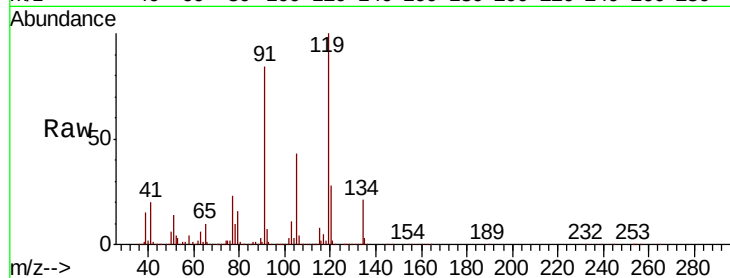
Tot Ion:119 Resp: 4162902

Ion Ratio Lower Upper

119 100

91 85.0 68.0 102.0

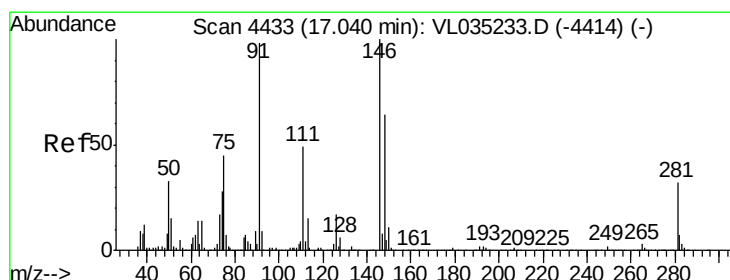
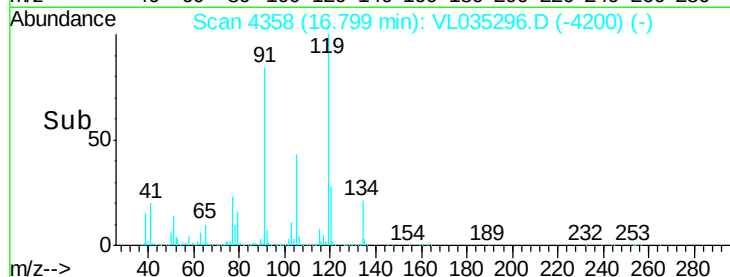
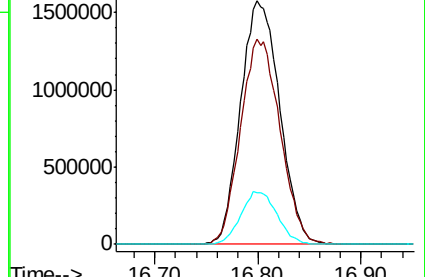
134 20.0 16.3 24.5



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: 10.705 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

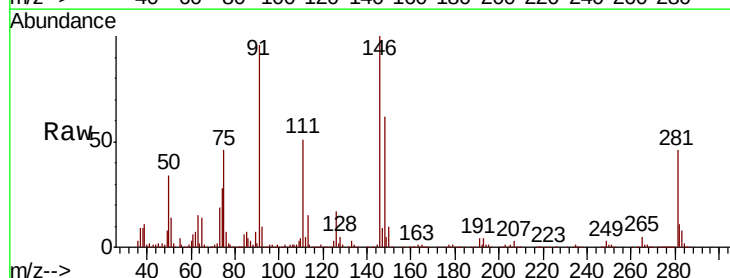
Tgt Ion: 91 Resp: 1593556

Ion Ratio Lower Upper

91 100

126 17.9 14.1 21.1

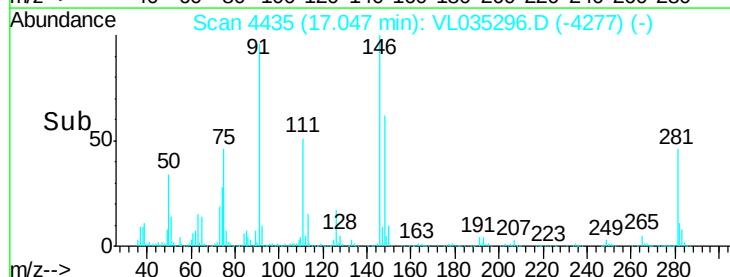
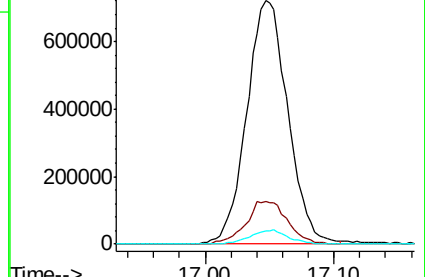
128 5.4 4.4 6.6

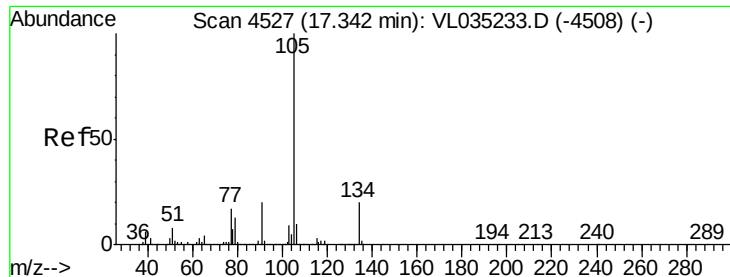


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.658 ppbv

RT: 17.35 min Scan# 4530

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

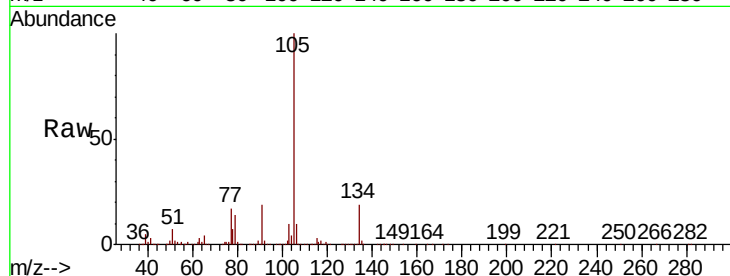
VL0731ABS01

Tot Ion:105 Resp: 5918457

Ion Ratio Lower Upper

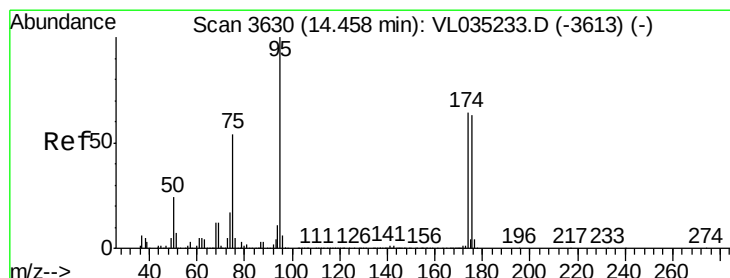
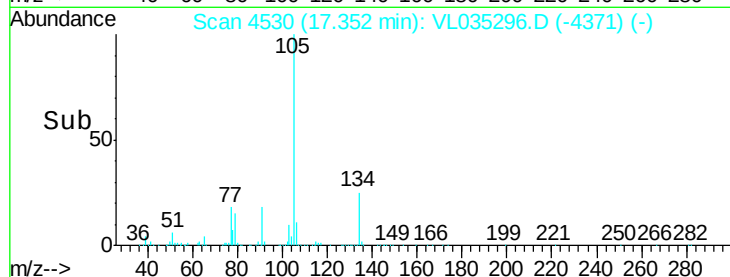
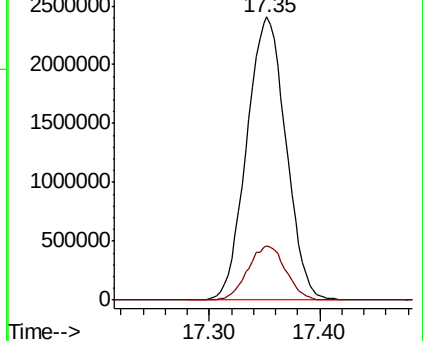
105 100

134 18.6 15.0 22.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.825 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

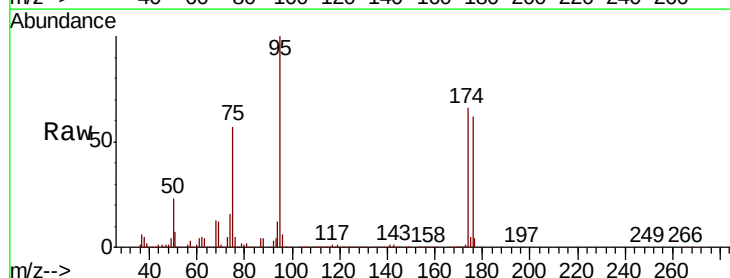
Tgt Ion: 95 Resp: 2249506

Ion Ratio Lower Upper

95 100

174 65.8 52.7 79.1

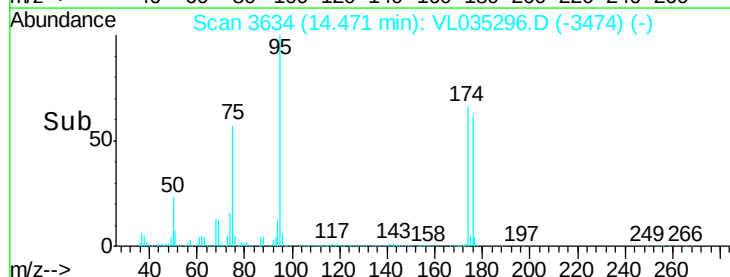
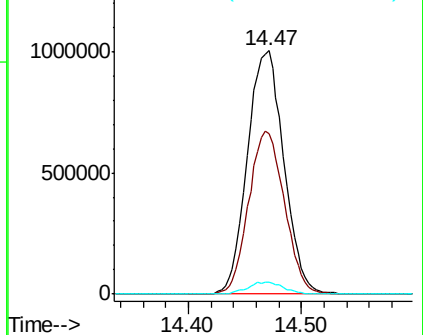
175 4.8 3.9 5.9

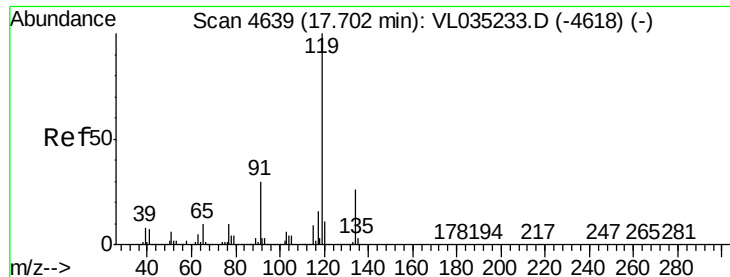


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

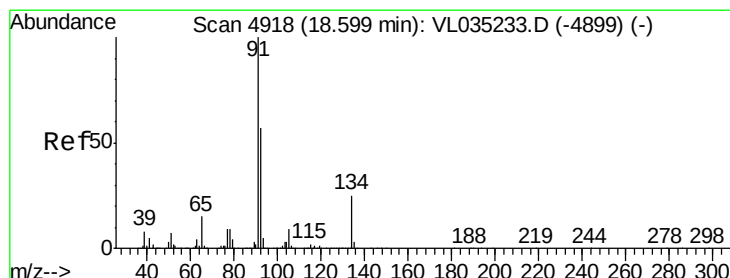
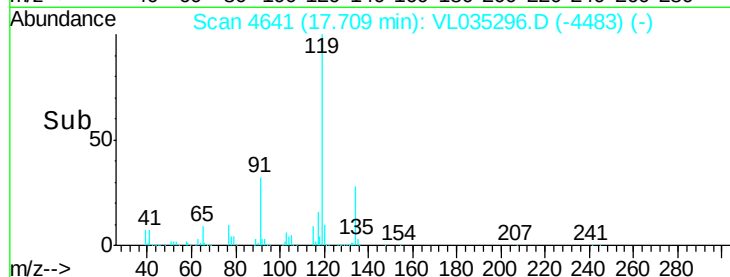
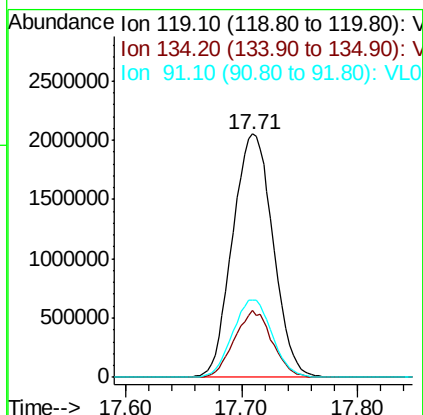
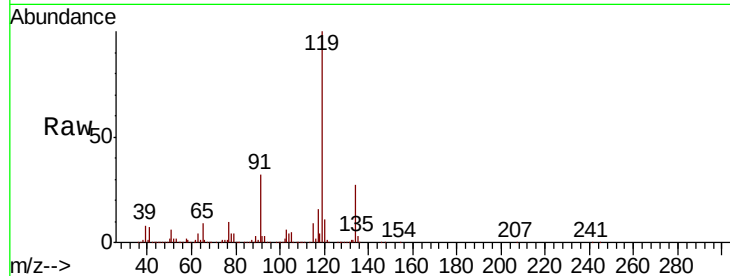




#69
 p-Isopropyltoluene
 Concen: 10.941 ppbv
 RT: 17.71 min Scan# 4641
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

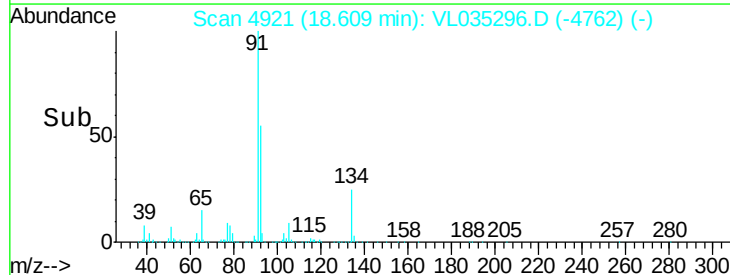
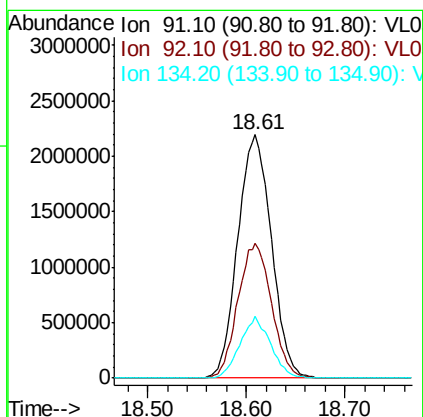
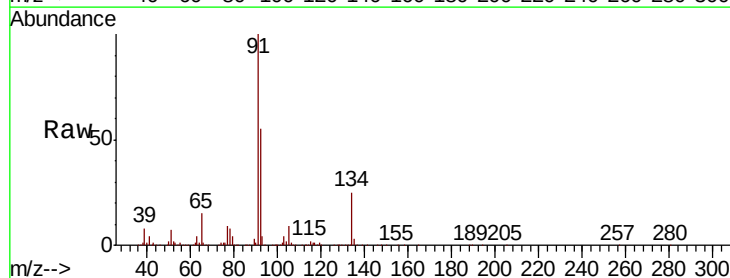
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

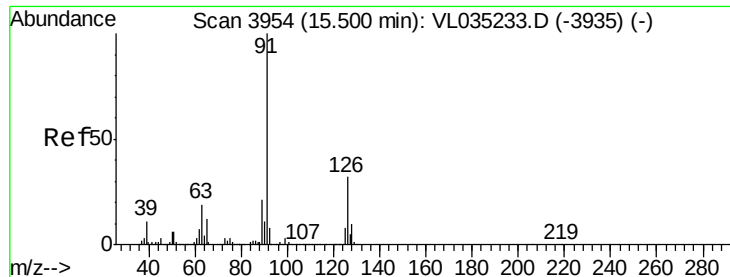
Tot Ion:119 Resp: 4956533
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.8 31.2
 91 31.4 24.7 37.1



#70
 n-Butylbenzene
 Concen: 10.592 ppbv
 RT: 18.61 min Scan# 4921
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 91 Resp: 5190966
 Ion Ratio Lower Upper
 91 100
 92 55.1 44.9 67.3
 134 23.0 18.6 28.0

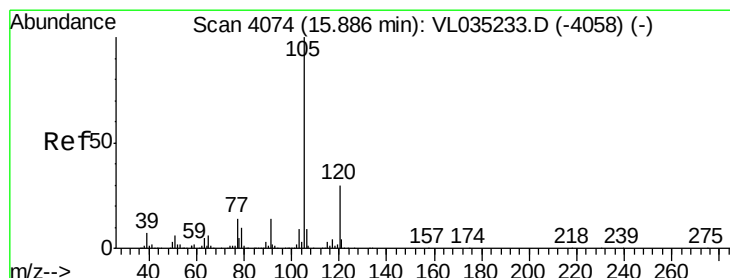
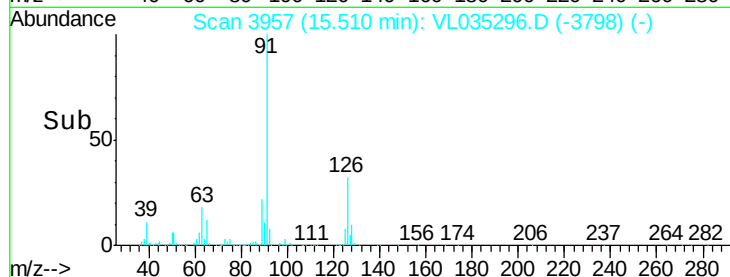
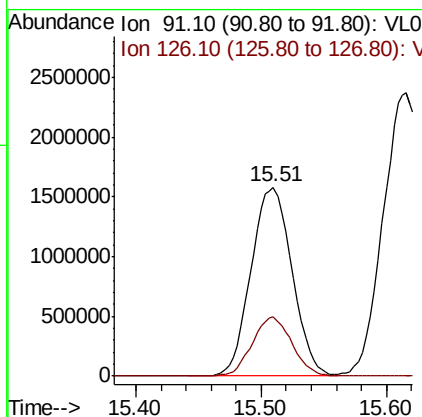
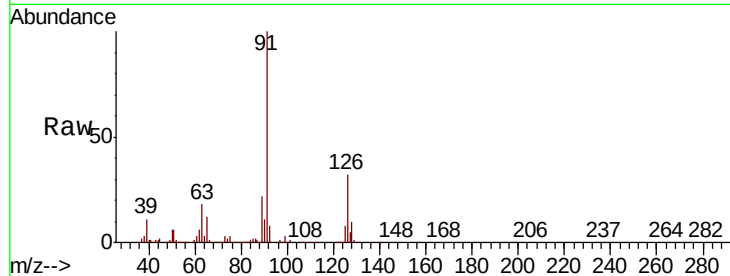




#71
 2-Chlorotoluene
 Concen: 11.399 ppbv
 RT: 15.51 min Scan# 3957
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

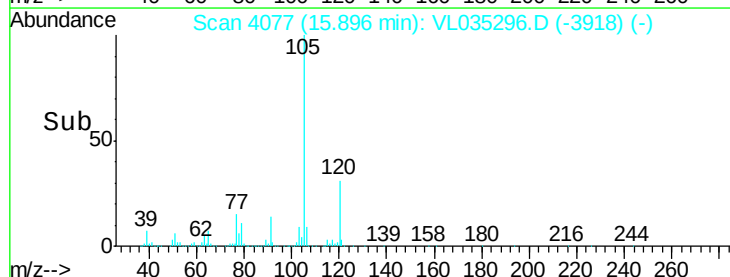
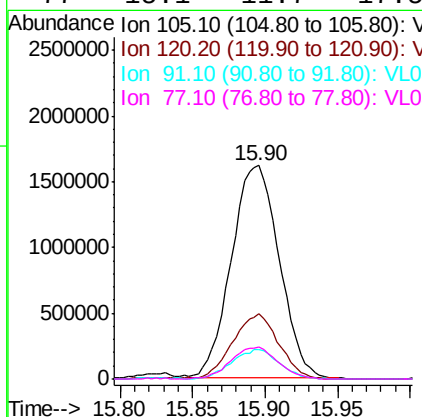
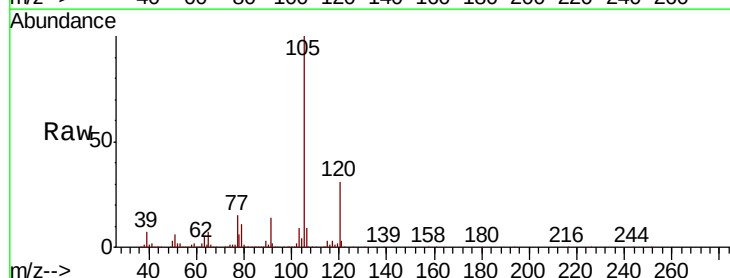
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

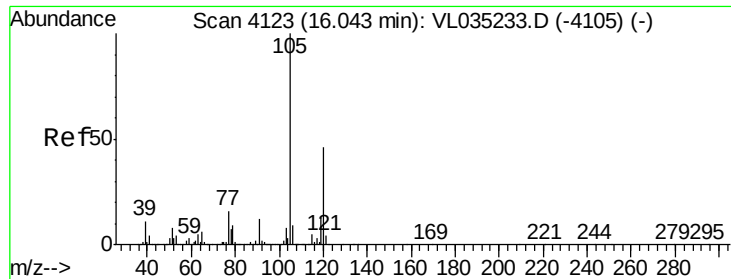
Tot Ion: 91 Resp: 3605975
 Ion Ratio Lower Upper
 91 100
 126 30.2 12.3 49.1



#72
 4-Ethyltoluene
 Concen: 11.696 ppbv
 RT: 15.90 min Scan# 4077
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 105 Resp: 3710630
 Ion Ratio Lower Upper
 105 100
 120 30.2 23.6 35.4
 91 13.7 11.0 16.6
 77 15.1 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 11.363 ppbv

RT: 16.05 min Scan# 4126

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

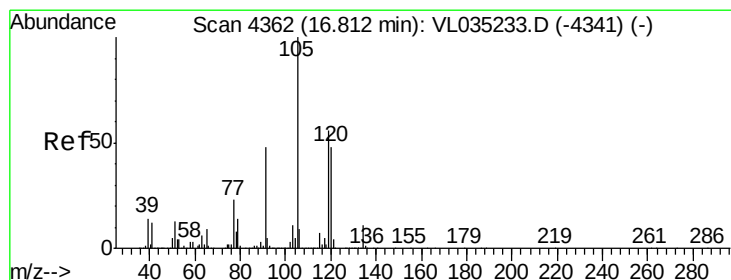
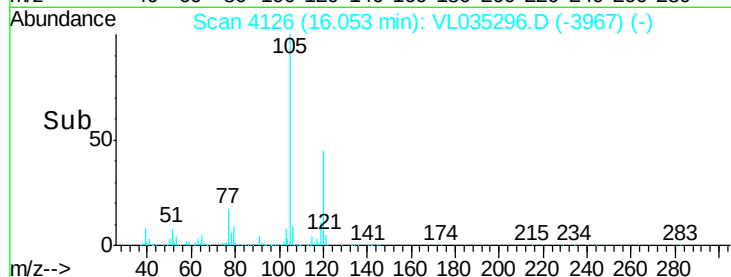
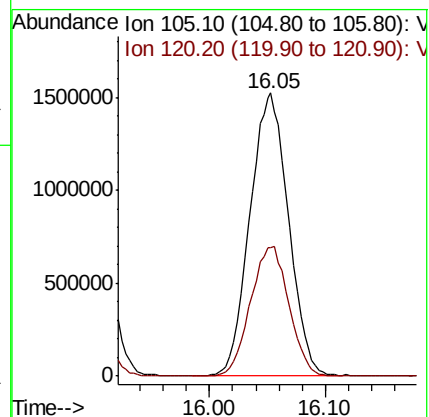
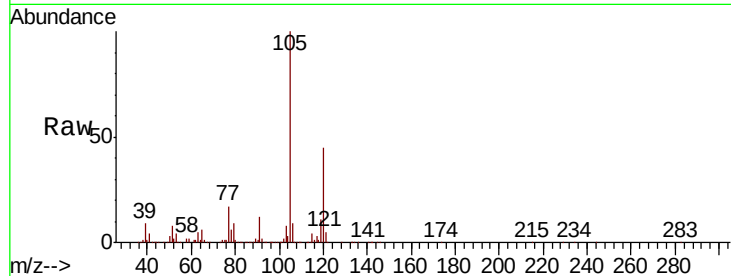
VL0731ABS01

Tot Ion:105 Resp: 3515495

Ion Ratio Lower Upper

105 100

120 45.4 36.8 55.2



#74

1,2,4-Trimethylbenzene

Concen: 10.430 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion:105 Resp: 3756521

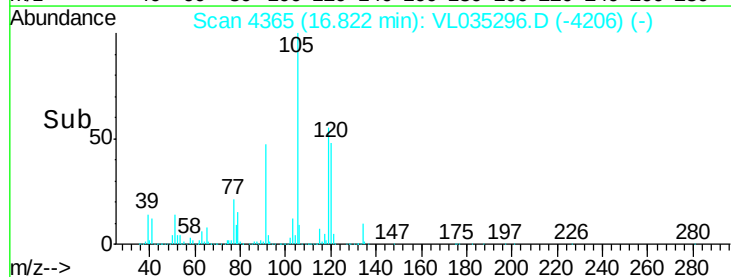
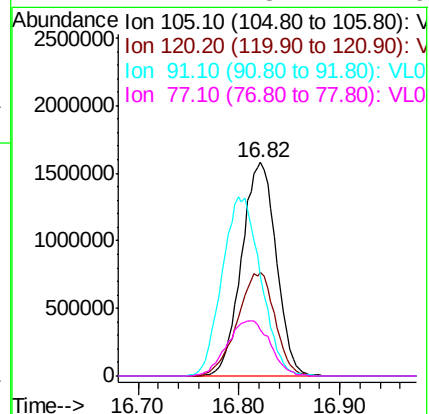
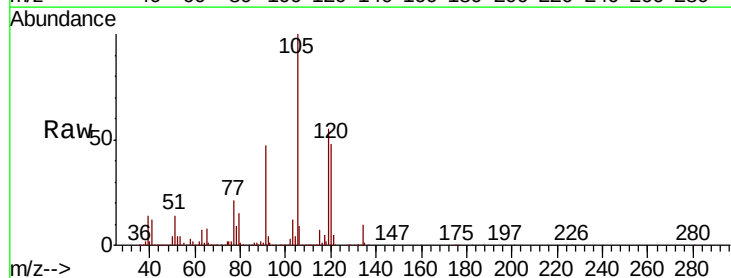
Ion Ratio Lower Upper

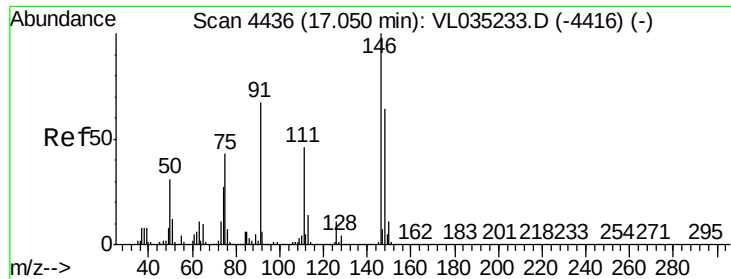
105 100

120 48.3 38.8 58.2

91 46.8 38.9 58.3

77 21.2 18.4 27.6

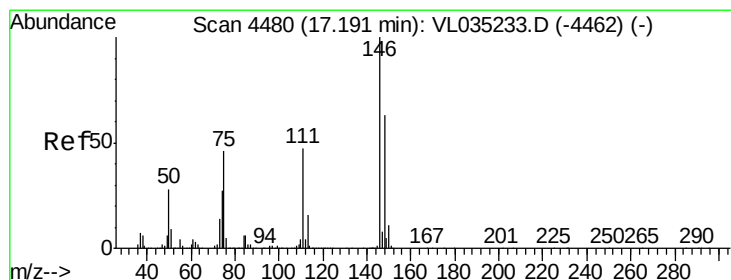
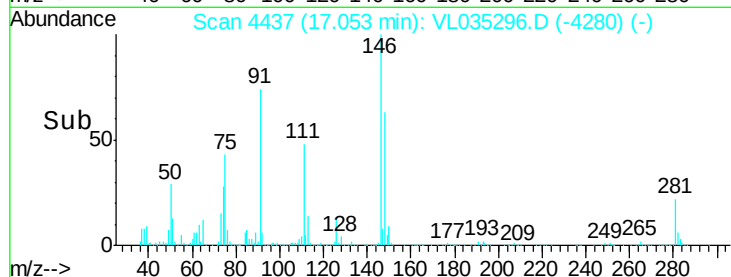
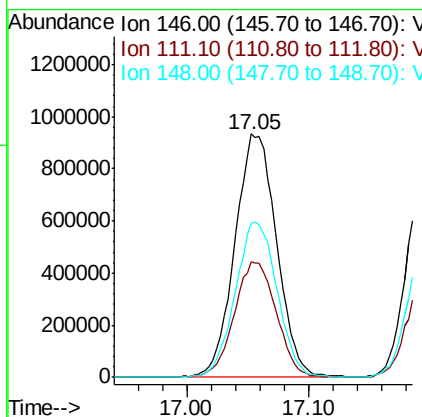
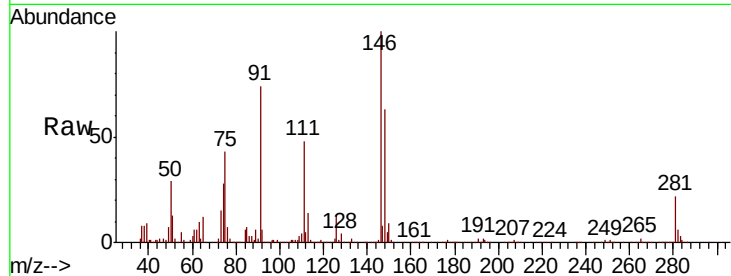




#75
 1,3-Dichlorobenzene
 Concen: 9.407 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. 0.00 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

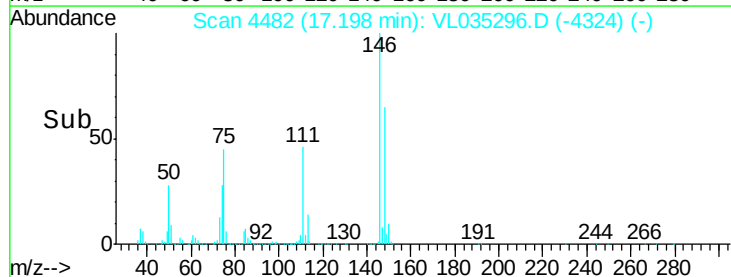
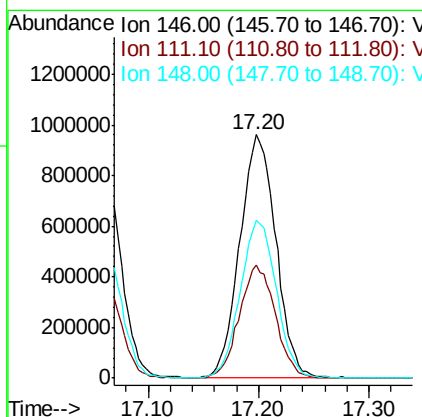
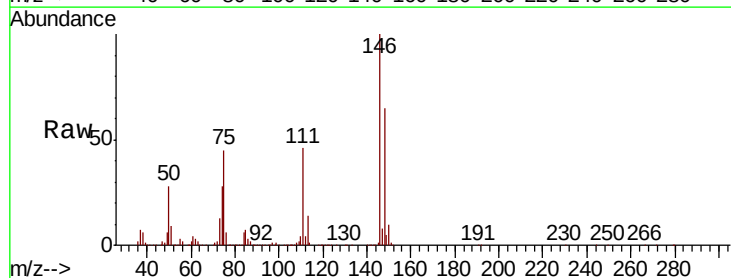
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

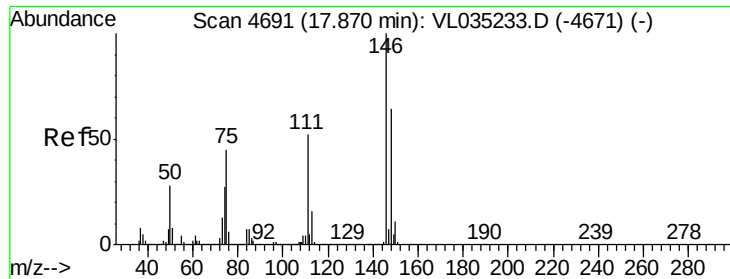
Tot Ion:146 Resp: 2187599
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.4 73.4
 148 64.7 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 10.280 ppbv
 RT: 17.20 min Scan# 4482
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion:146 Resp: 2162433
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.4 70.2
 148 65.7 32.2 96.6

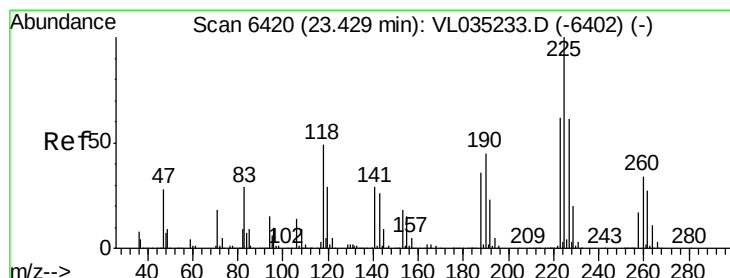
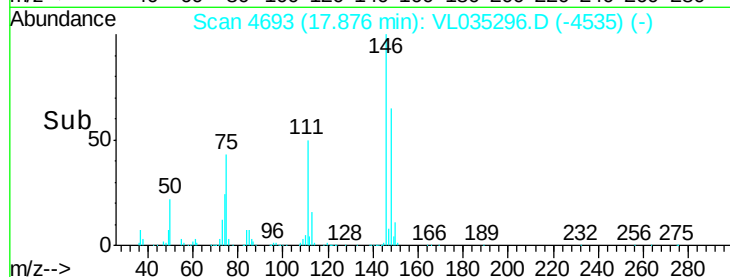
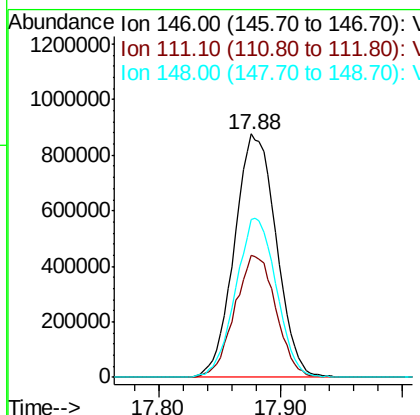
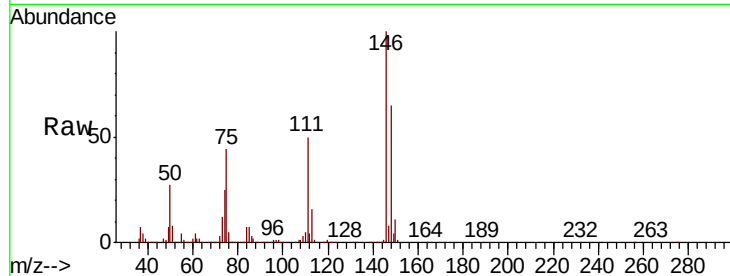




#77
 1,2-Dichlorobenzene
 Concen: 9.982 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

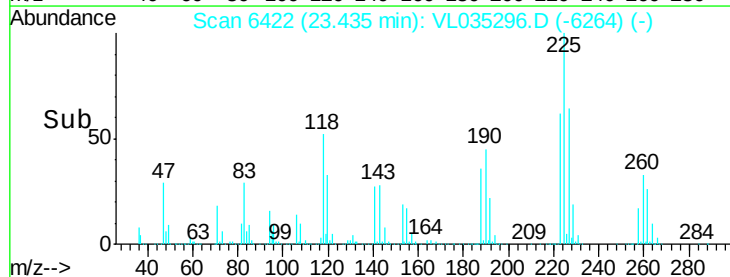
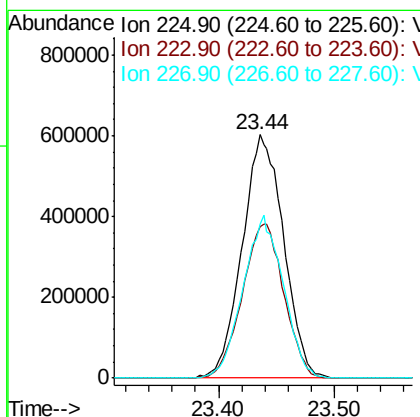
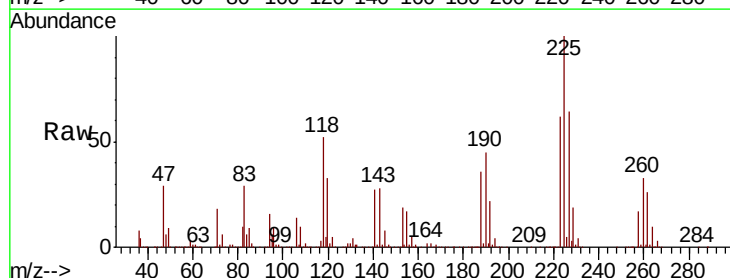
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

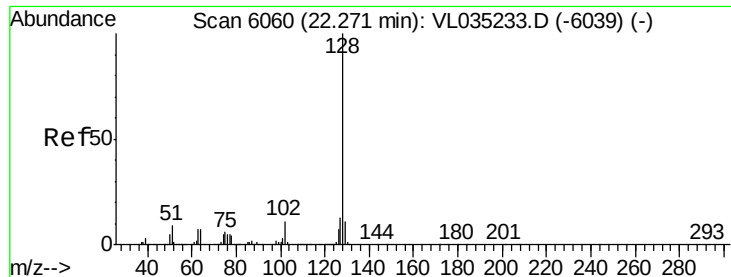
Tot Ion:146 Resp: 2079159
 Ion Ratio Lower Upper
 146 100
 111 49.3 24.6 73.8
 148 63.9 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.761 ppbv
 RT: 23.44 min Scan# 6422
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion:225 Resp: 1493723
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.3 76.9
 227 65.0 51.4 77.2

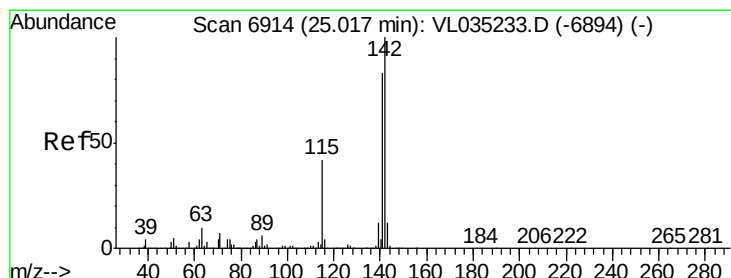
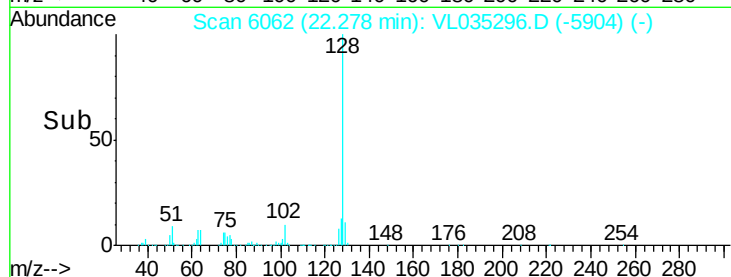
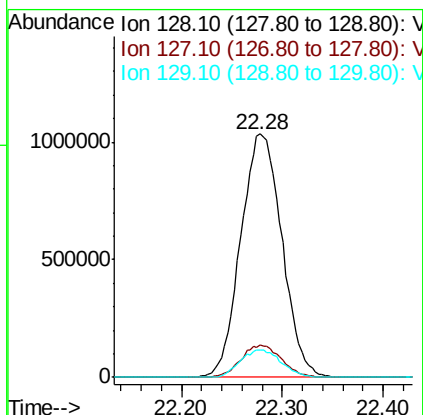
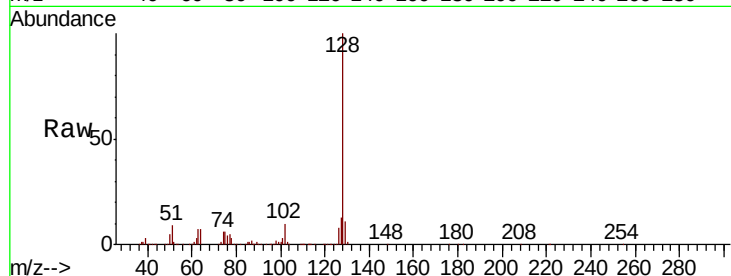




#79
Naphthalene
Concen: 10.228 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

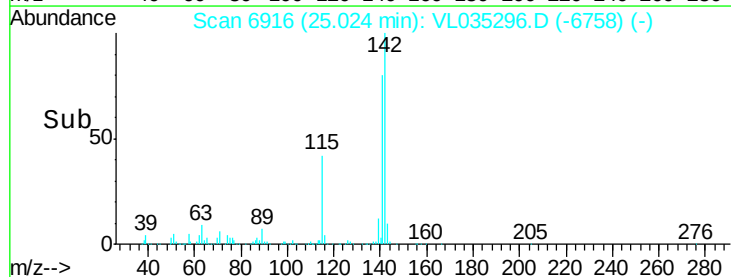
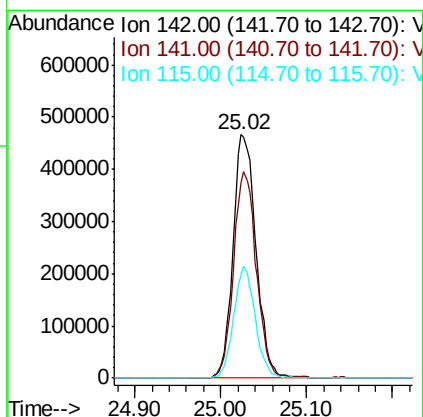
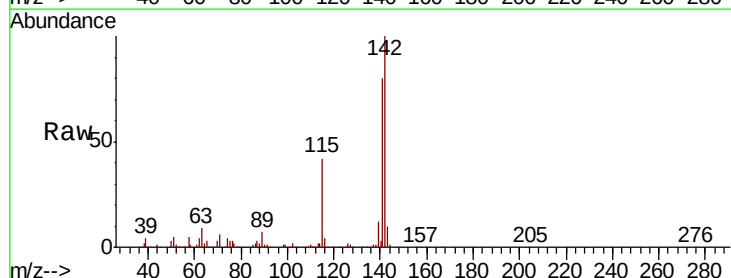
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

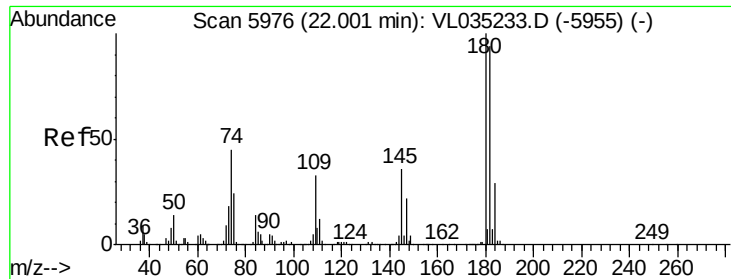
Tot Ion:128 Resp: 2929536
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.4 8.5 12.7



#80
Naphthalene, 2-methyl-
Concen: 9.310 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion:142 Resp: 862911
Ion Ratio Lower Upper
142 100
141 84.8 68.6 103.0
115 43.3 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.716 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion:180 Resp: 1693825
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.7 115.1
 184 31.2 24.7 37.1

