

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035500.D
 Acq On : 23 Aug 2020 15:59
 Operator : SY/AP
 Sample : VL0823ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0823ABS01

Quant Time: Aug 24 02:19:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sun Aug 23 12:40:32 2020
 QLast Update : Sun Aug 23 12:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	973657	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4433753	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4770311m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3291779	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1534069	8.512	ppbv	100
3) Chlorodifluoromethane	2.98	51	1047380	9.506	ppbv	100
4) Chloromethane	3.14	50	545955	9.580	ppbv	98
5) Vinyl Chloride	3.25	62	658248	9.775	ppbv	98
6) Bromomethane	3.47	94	597349	9.649	ppbv	98
7) Chloroethane	3.56	64	246105	9.577	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	1951205	9.194	ppbv	99
9) Propene	3.01	41	403940	9.414	ppbv	100
10) Heptane	8.14	43	1116235	9.789	ppbv	100
11) Trichlorofluoromethane	3.95	101	2404375	9.303	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1795953	9.329	ppbv	99
13) Ethanol	3.60	45	98731	8.050	ppbv	100
14) Bromoethene	3.74	108	820021	9.747	ppbv	99
15) Acetone	3.85	43	872552	8.478	ppbv	99
16) 1,3-Butadiene	3.32	39	399130	9.624	ppbv	99
17) tert-Butyl alcohol	4.29	59	1303215	9.772	ppbv	100
18) 1,1-Dichloroethene	4.29	96	825810	9.681	ppbv	98
19) Isopropyl Alcohol	3.97	45	655787	9.658	ppbv	100
20) Methylene Chloride	4.34	84	661877m	5.919	ppbv	
21) Allyl Chloride	4.41	41	531097	10.088	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	872117	9.664	ppbv	98
23) Vinyl Acetate	5.08	43	1415537	10.302	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1379472	9.532	ppbv	99
25) Ethyl Acetate	5.68	43	1798286	9.067	ppbv	100
26) Hexane	5.69	57	1027492	8.523	ppbv	99
27) Carbon Disulfide	4.55	76	1722181	10.717	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1931491	9.870	ppbv	100
29) Chloroform	5.76	83	2160176	9.426	ppbv	99
30) Cyclohexane	7.14	84	1225277	10.102	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1145773	10.031	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2199075	10.504	ppbv	99
34) 2-Butanone	5.25	43	1265656	9.719	ppbv	99
35) Carbon Tetrachloride	7.03	117	2334533	10.805	ppbv	98
36) Benzene	6.90	78	2804367	9.631	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1323241	9.604	ppbv	99
38) Trichloroethene	7.85	130	1525159	9.465	ppbv	97
39) 1,2-Dichloropropane	7.63	63	929046	9.559	ppbv	100
40) 1,4-Dioxane	7.84	88	486387	10.110	ppbv	88
41) Tetrahydrofuran	6.06	42	727950	10.292	ppbv	99
42) Bromodichloromethane	7.81	83	2301067	10.211	ppbv	98
43) Methyl Methacrylate	8.03	69	1155830	10.282	ppbv	100

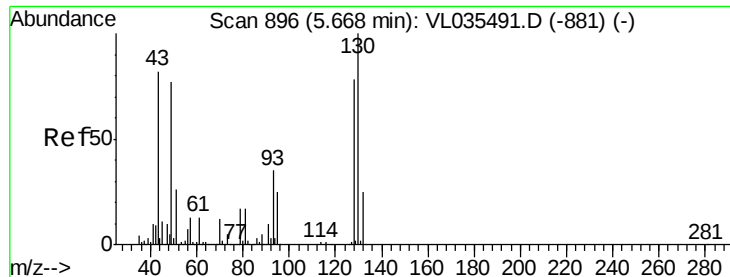
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 QLast Update : Sun Aug 23 12:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3551990	9.340	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1347525	11.665	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1582902	11.065	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1392026	9.540	ppbv	100
48) Dibromochloromethane	10.32	129	2523820	10.866	ppbv	100
49) Bromoform	13.07	173	2446477	11.340	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	1870307	9.984	ppbv	100
51) 2-Hexanone	10.15	43	1600264	10.458	ppbv #	99
52) Tetrachloroethene	11.24	164	1602806	9.452	ppbv	98
53) Toluene	9.82	91	3619603	9.823	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2260964	9.753	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1954281	9.667	ppbv	98
57) Chlorobenzene	12.17	112	3140400	8.742	ppbv	98
58) Ethyl Benzene	12.73	91	4770844	9.315	ppbv	100
59) m/p-Xylene	13.02	91	7624408m	17.490	ppbv	
60) o-Xylene	13.72	91	3883110	9.075	ppbv	100
61) Styrene	13.55	104	3257668	9.876	ppbv	100
62) Isopropylbenzene	14.69	105	6129796	8.843	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2723064	8.745	ppbv	100
64) n-propylbenzene	15.59	120	1965439	9.330	ppbv	100
65) tert-Butylbenzene	16.77	119	5872451	8.914	ppbv	100
66) Benzyl Chloride	17.02	91	2035038	12.613	ppbv	100
67) sec-Butylbenzene	17.32	105	7608474	8.692	ppbv	100
69) p-Isopropyltoluene	17.68	119	6793500	8.905	ppbv	100
70) n-Butylbenzene	18.58	91	6494610	8.879	ppbv	99
71) 2-Chlorotoluene	15.48	91	4612767	9.211	ppbv	100
72) 4-Ethyltoluene	15.87	105	5081727	9.303	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4715339	9.319	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4905283	8.850	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	3640347	8.760	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3707072	8.911	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3626504	8.847	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	2470865	8.686	ppbv	100
79) Naphthalene	22.24	128	6578055	9.435	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	2899935	10.390	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	3749590	9.148	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

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VL0823ABS01

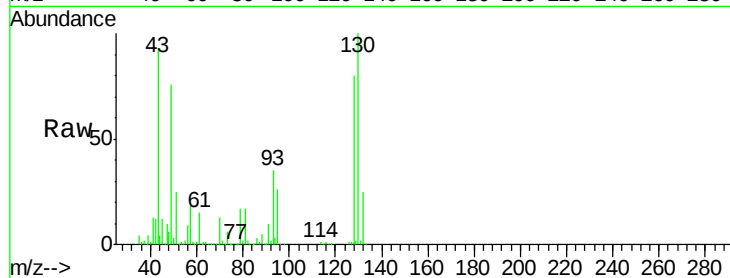
Tot Ion: 49 Resp: 973657

Ion Ratio Lower Upper

49 100

128 102.9 51.6 154.9

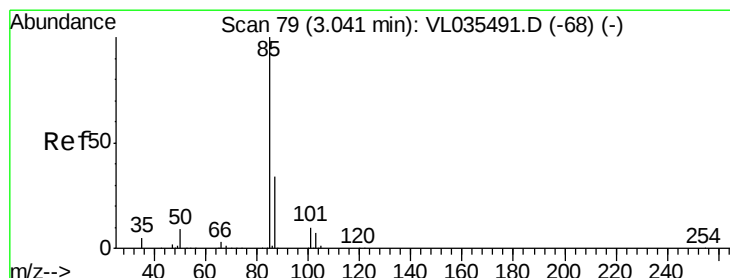
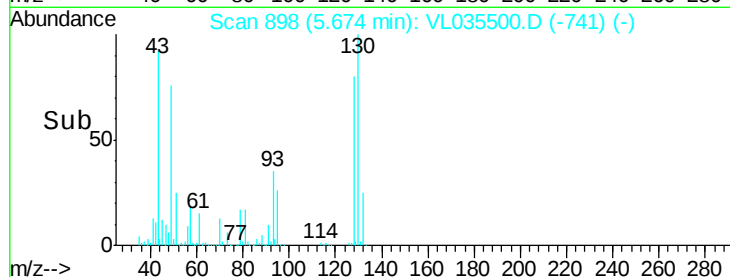
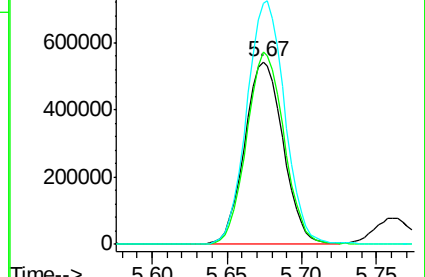
130 132.1 66.1 198.4



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: 8.512 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL035500.D

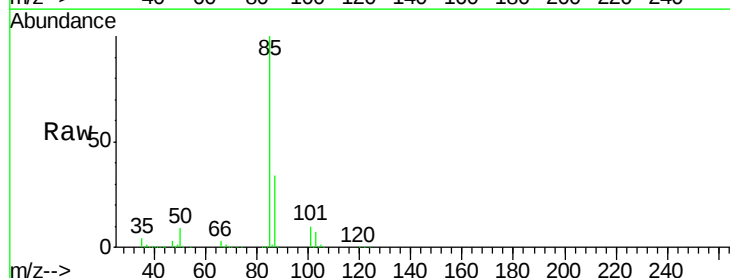
Acq: 23 Aug 2020 15:59

Tgt Ion: 85 Resp: 1534069

Ion Ratio Lower Upper

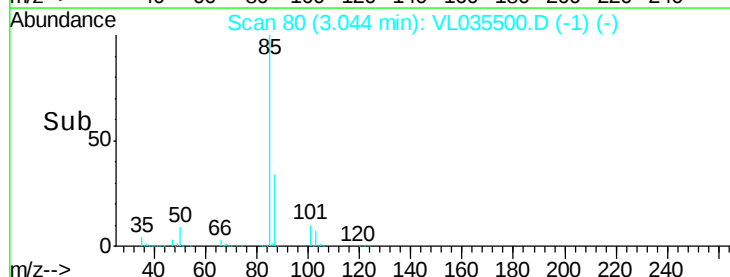
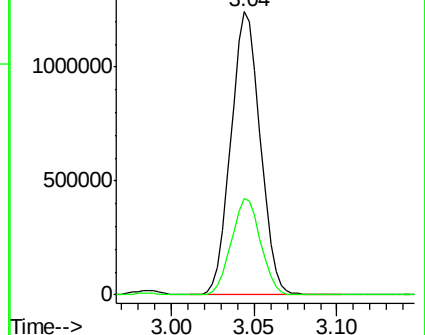
85 100

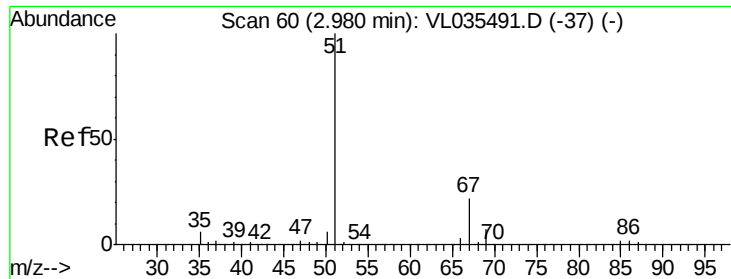
87 34.3 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.506 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

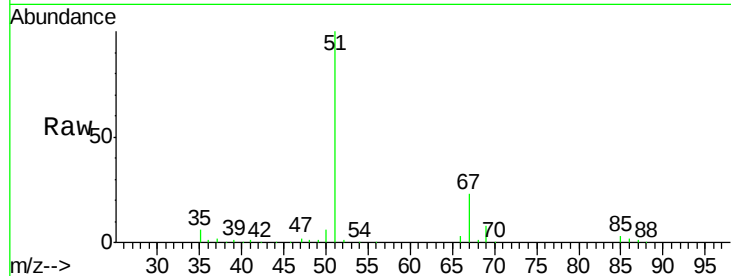
VL0823ABS01

Tot Ion: 51 Resp: 1047380

Ion Ratio Lower Upper

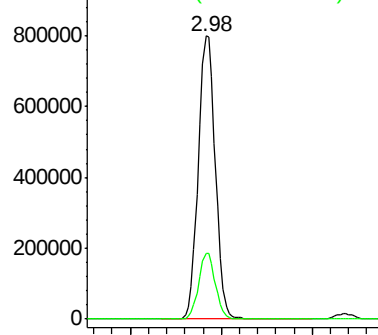
51 100

67 22.5 17.9 26.9

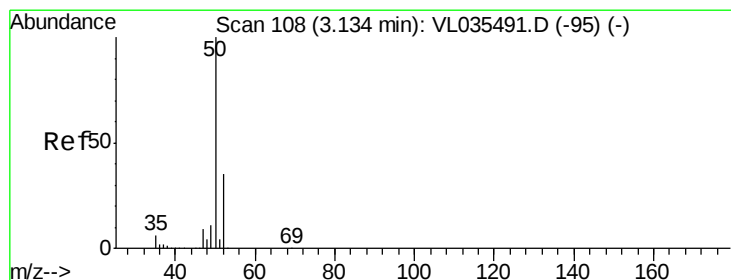
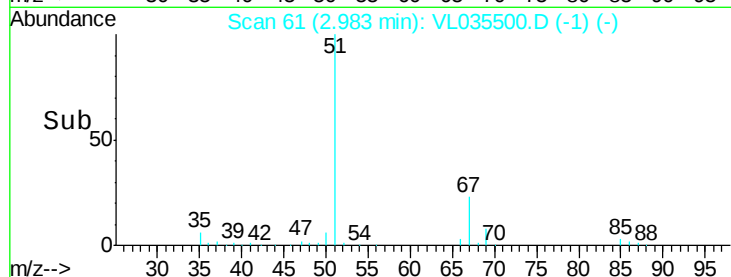


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 9.580 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035500.D

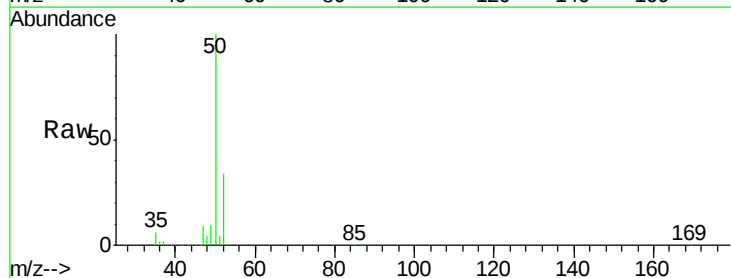
Acq: 23 Aug 2020 15:59

Tgt Ion: 50 Resp: 545955

Ion Ratio Lower Upper

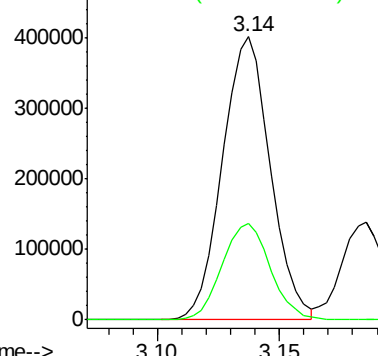
50 100

52 34.2 28.2 42.2

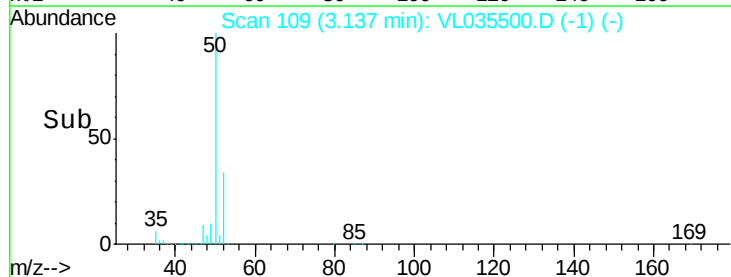


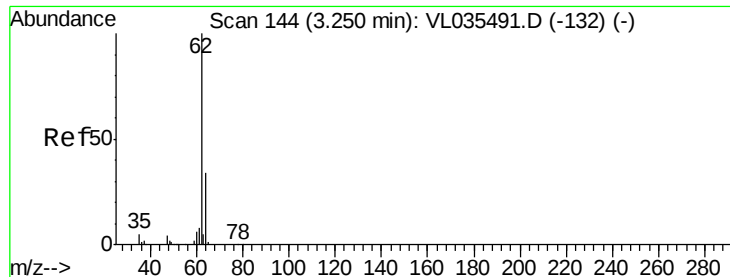
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 9.775 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

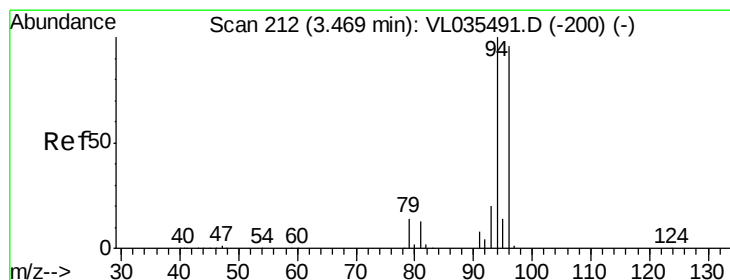
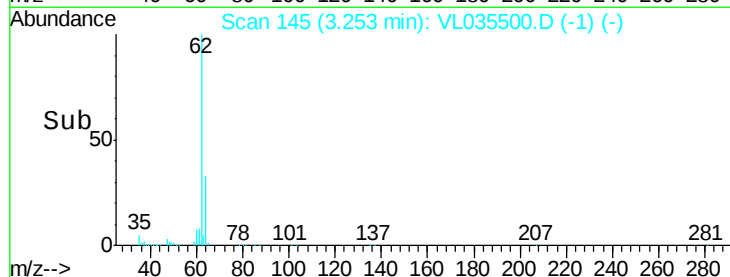
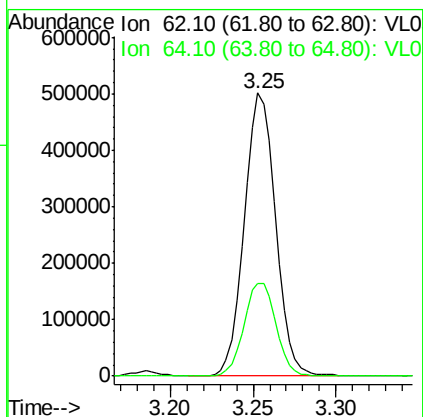
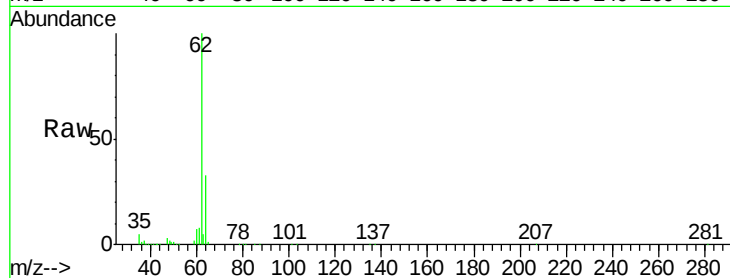
VL0823ABS01

Tot Ion: 62 Resp: 658248

Ion Ratio Lower Upper

62 100

64 32.8 27.1 40.7



#6

Bromomethane

Concen: 9.649 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL035500.D

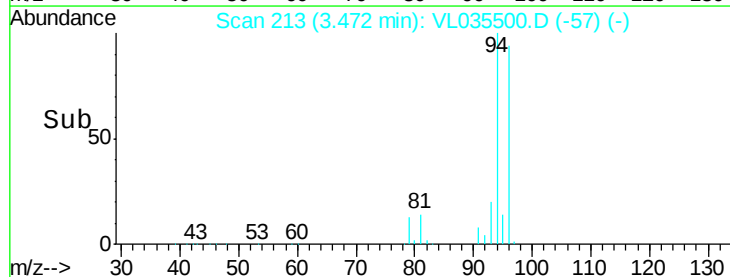
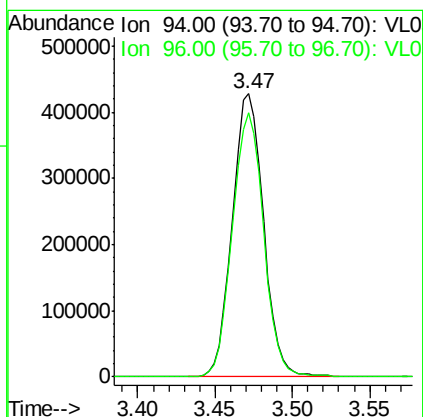
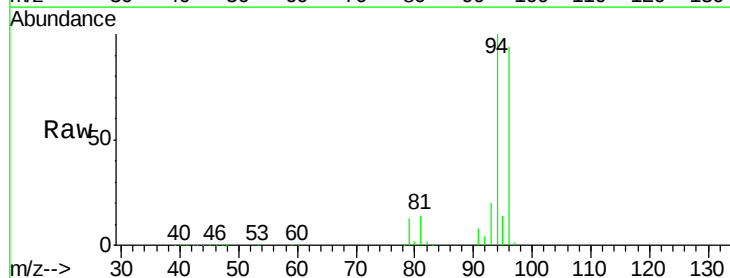
Acq: 23 Aug 2020 15:59

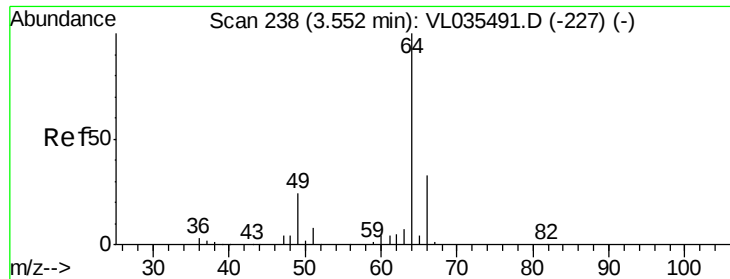
Tgt Ion: 94 Resp: 597349

Ion Ratio Lower Upper

94 100

96 93.5 76.6 115.0





#7

Chloroethane

Concen: 9.577 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

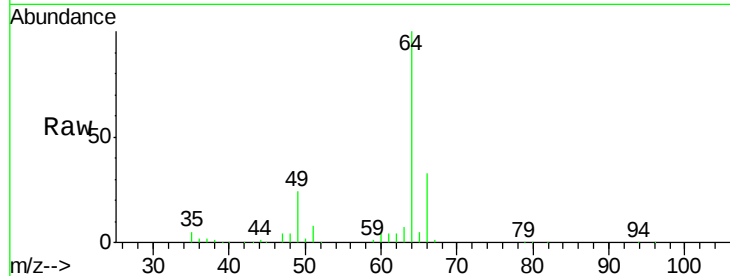
VL0823ABS01

Tot Ion: 64 Resp: 246105

Ion Ratio Lower Upper

64 100

66 32.9 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

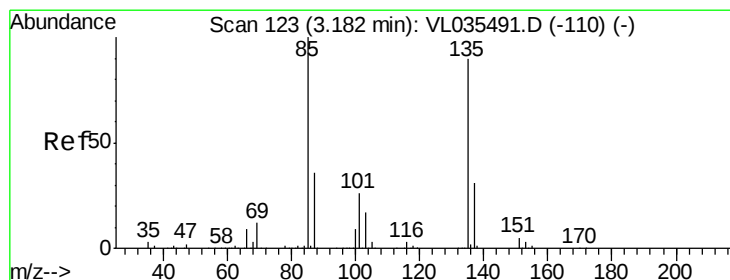
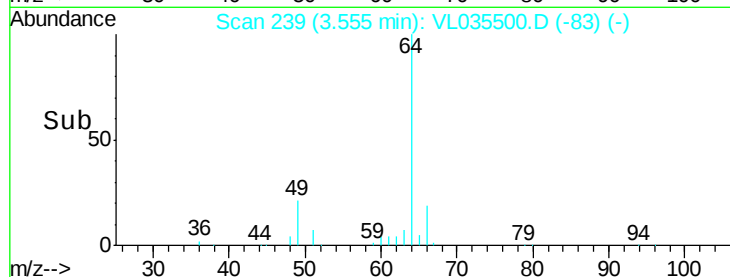
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.194 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035500.D

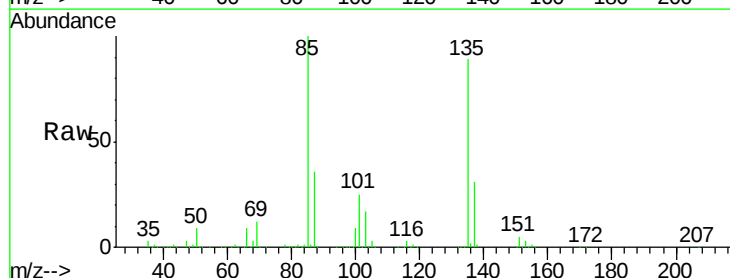
Acq: 23 Aug 2020 15:59

Tgt Ion: 85 Resp: 1951205

Ion Ratio Lower Upper

85 100

135 88.8 71.8 107.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

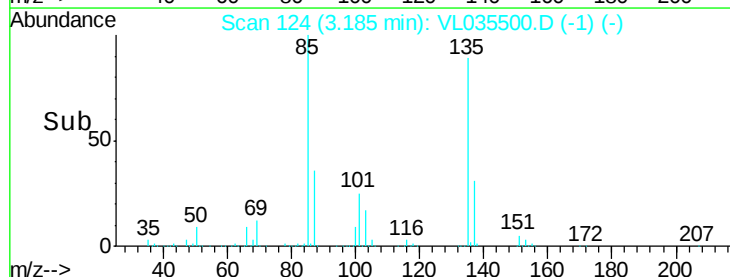
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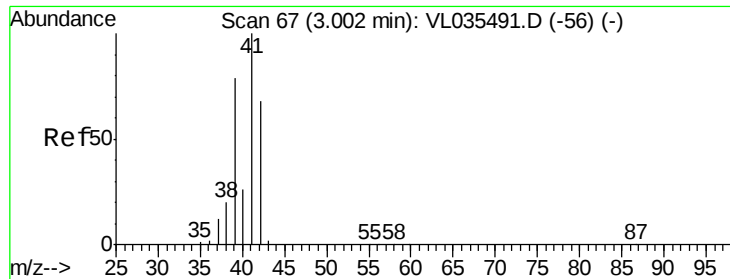
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500000

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Time-->





#9

Propene

Concen: 9.414 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

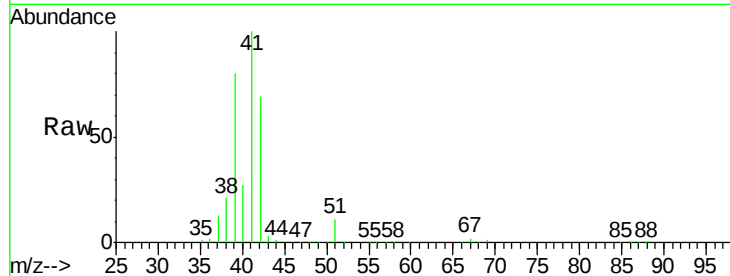
VL0823ABS01

Tot Ion: 41 Resp: 403940

Ion Ratio Lower Upper

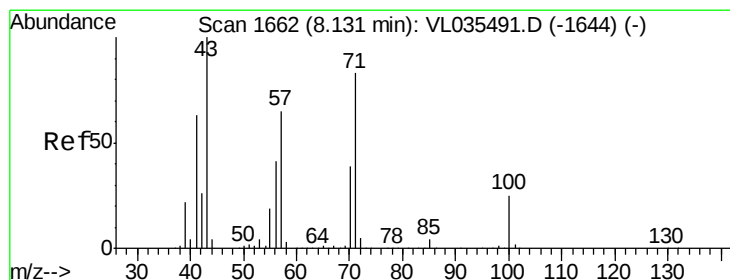
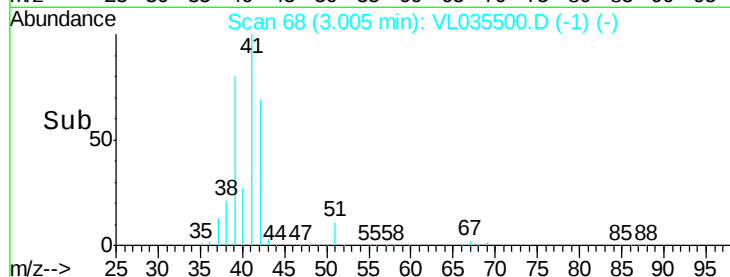
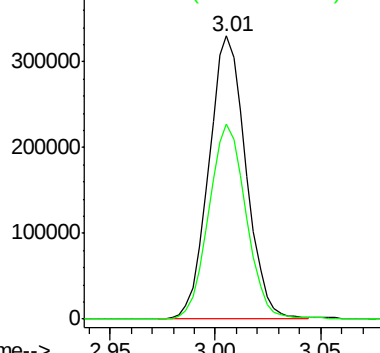
41 100

42 69.5 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.789 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL035500.D

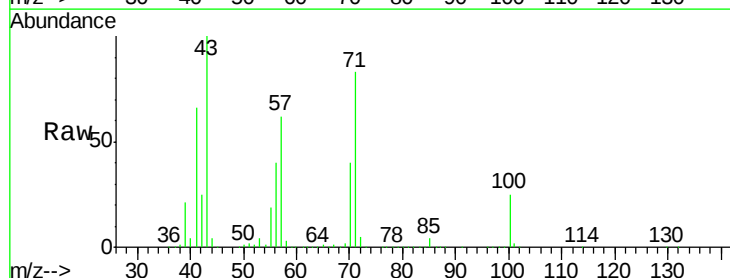
Acq: 23 Aug 2020 15:59

Tgt Ion: 43 Resp: 1116235

Ion Ratio Lower Upper

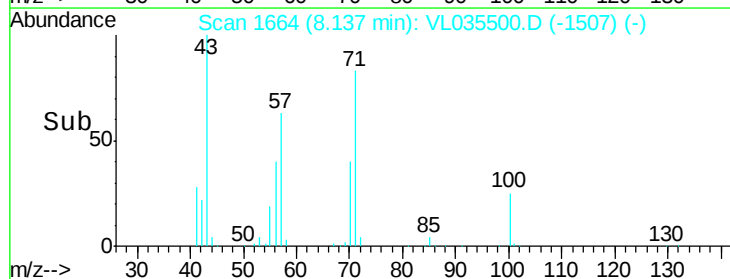
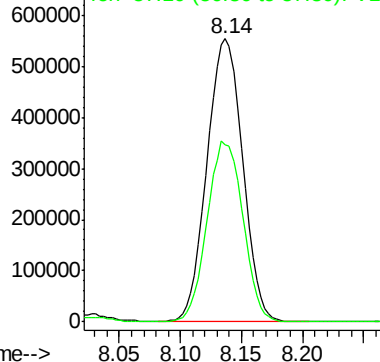
43 100

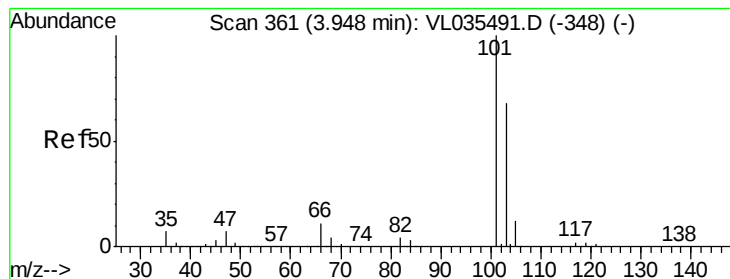
57 64.1 51.4 77.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.303 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

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Acq: 23 Aug 2020 15:59

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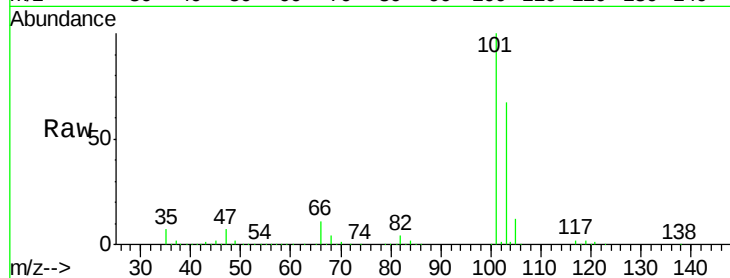
VL0823ABS01

Tot Ion:101 Resp: 2404375

Ion Ratio Lower Upper

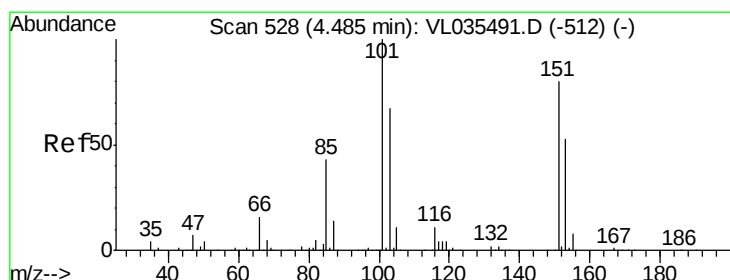
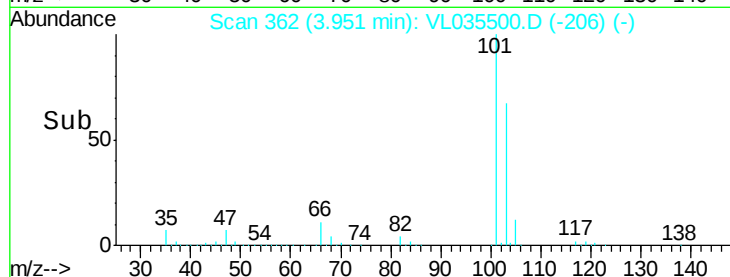
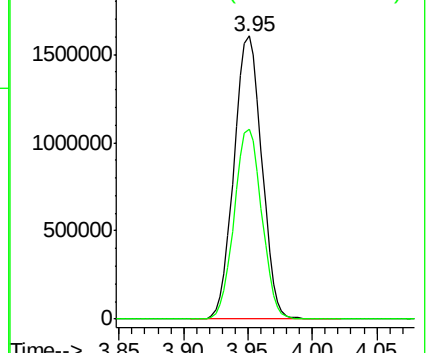
101 100

103 67.3 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.329 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL035500.D

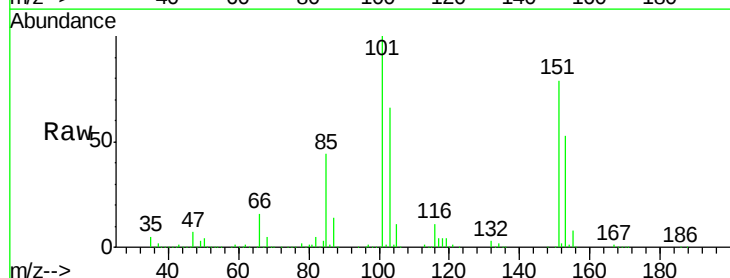
Acq: 23 Aug 2020 15:59

Tgt Ion:101 Resp: 1795953

Ion Ratio Lower Upper

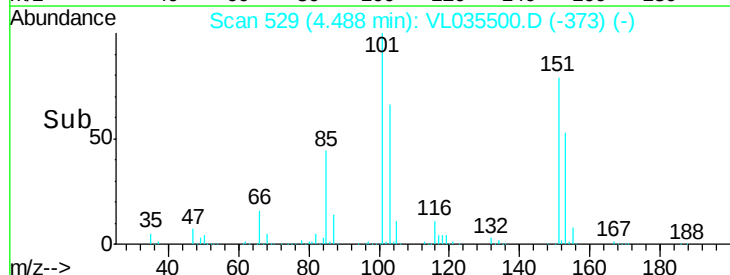
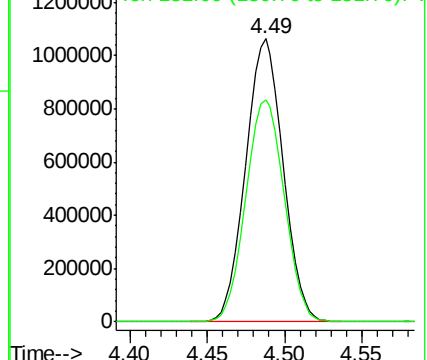
101 100

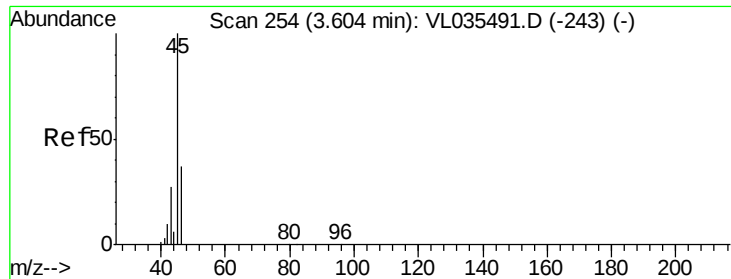
151 80.8 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

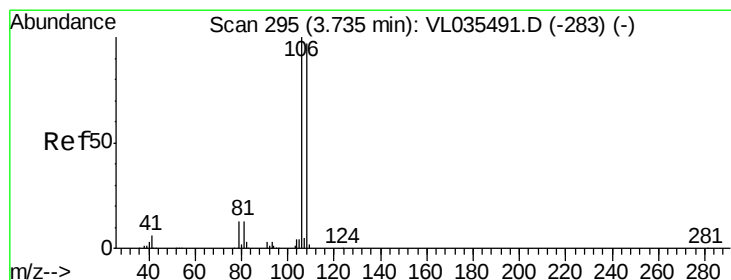
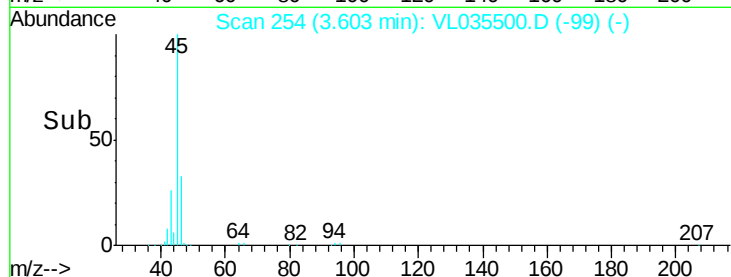
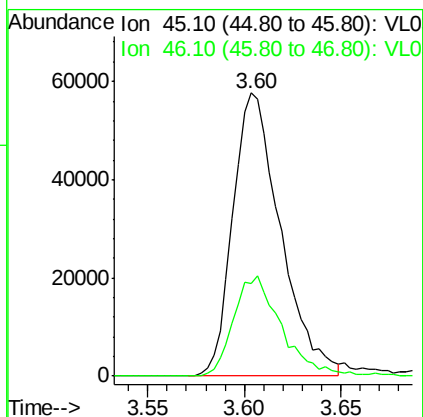
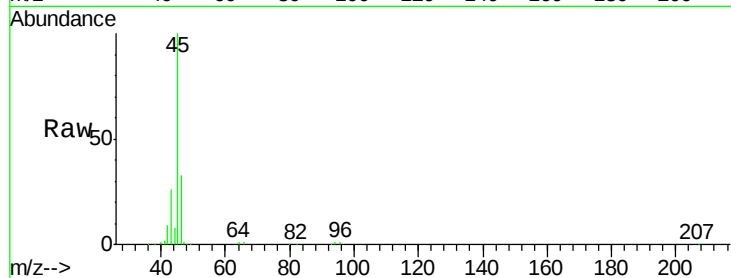




#13
Ethanol
Concen: 8.050 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

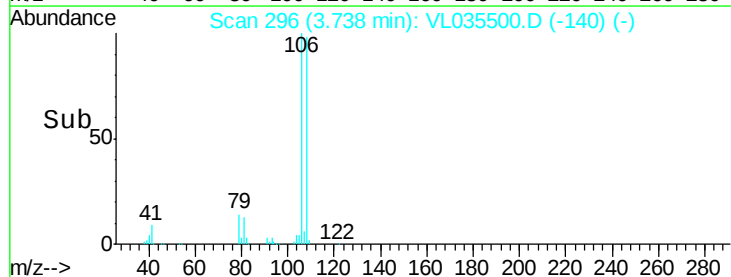
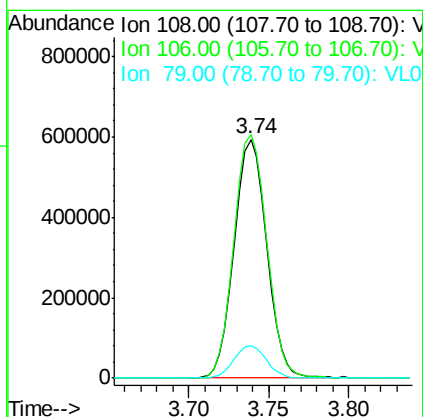
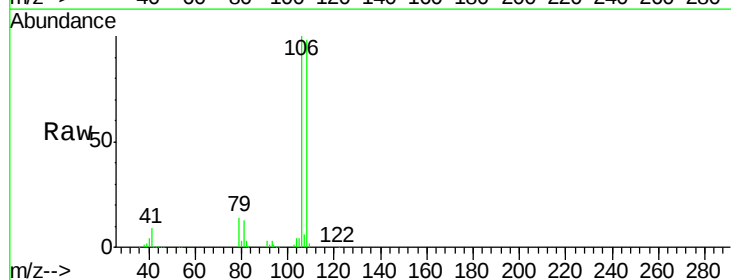
Instrument :
MSVOA_L
ClientSampleId :
VL0823ABS01

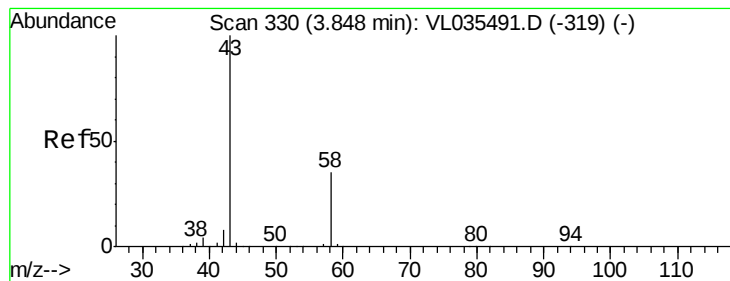
Tot Ion: 45 Resp: 98731
Ion Ratio Lower Upper
45 100
46 36.0 14.4 57.6



#14
Bromoethene
Concen: 9.747 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion: 108 Resp: 820021
Ion Ratio Lower Upper
108 100
106 103.9 83.6 125.4
79 13.8 10.7 16.1





#15

Acetone

Concen: 8.478 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

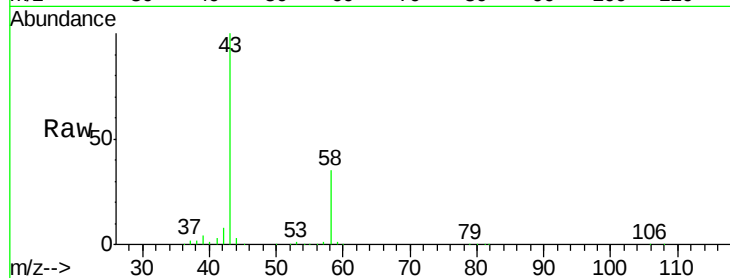
VL0823ABS01

Tot Ion: 43 Resp: 872552

Ion Ratio Lower Upper

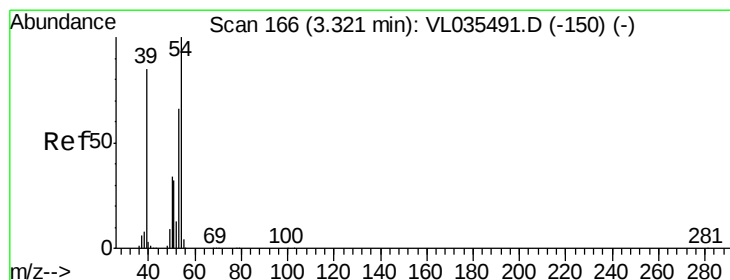
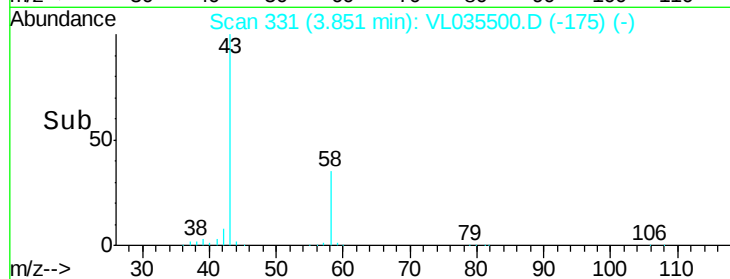
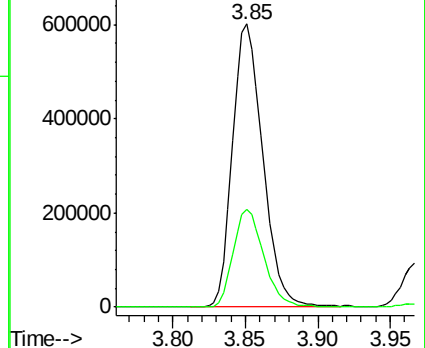
43 100

58 35.0 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.624 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL035500.D

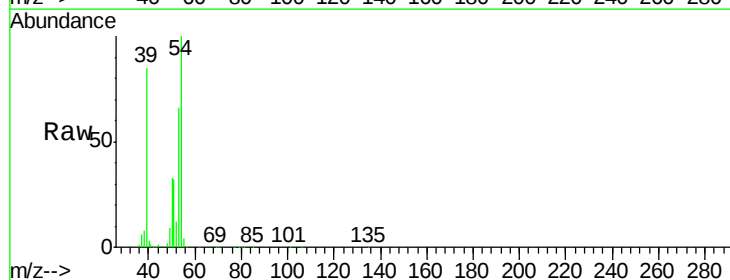
Acq: 23 Aug 2020 15:59

Tgt Ion: 39 Resp: 399130

Ion Ratio Lower Upper

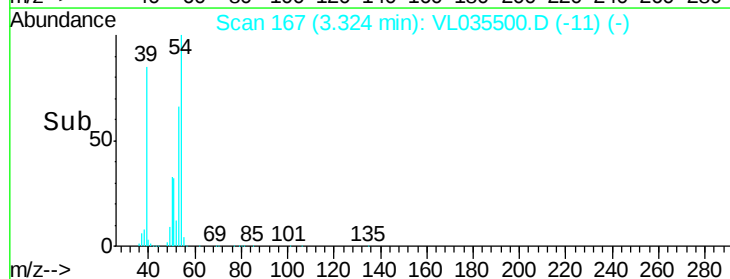
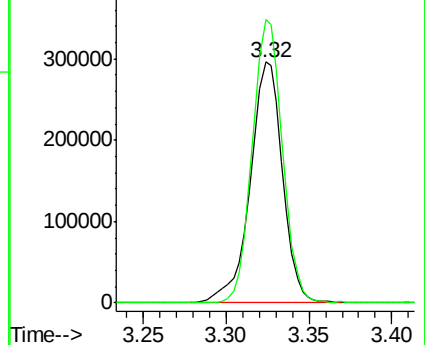
39 100

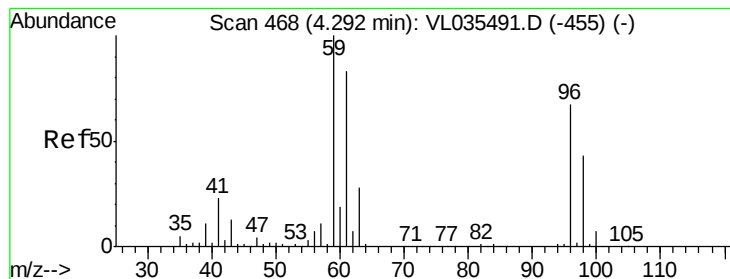
54 110.8 89.3 133.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.772 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

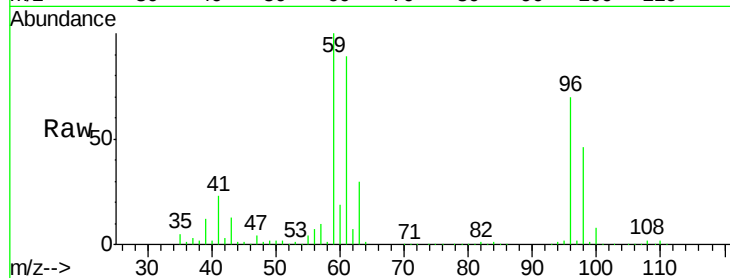
VL0823ABS01

Tot Ion: 59 Resp: 1303215

Ion Ratio Lower Upper

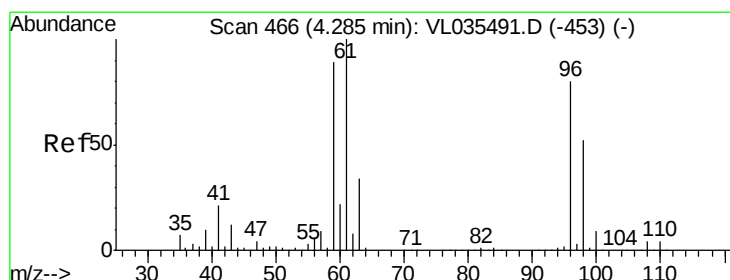
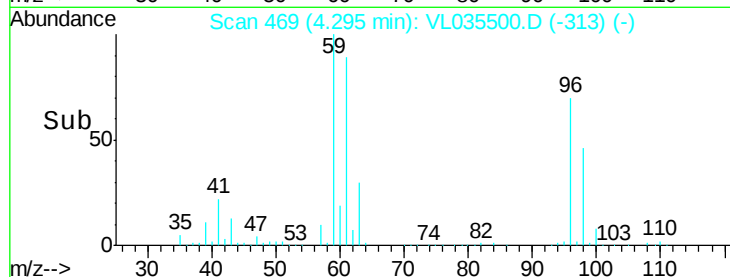
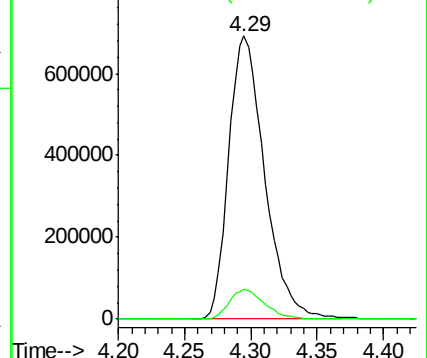
59 100

57 10.5 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.681 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

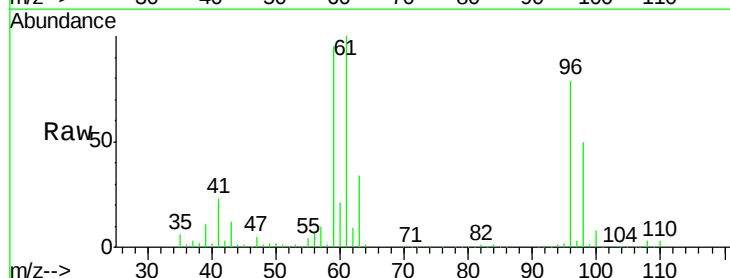
Tgt Ion: 96 Resp: 825810

Ion Ratio Lower Upper

96 100

61 127.0 99.9 149.9

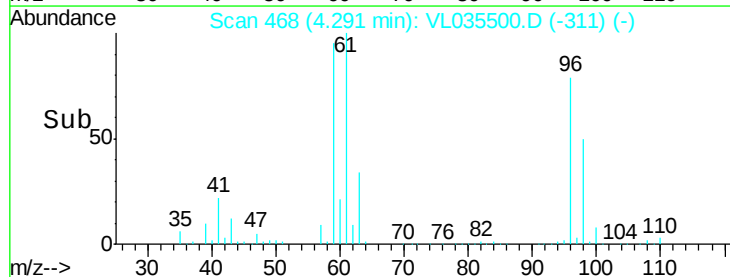
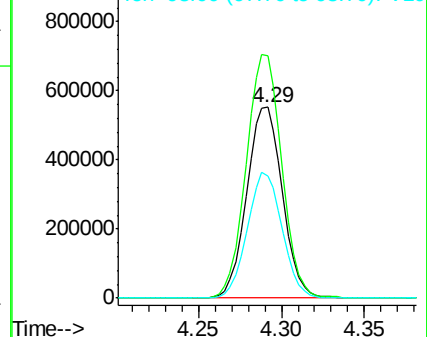
98 64.1 52.2 78.4

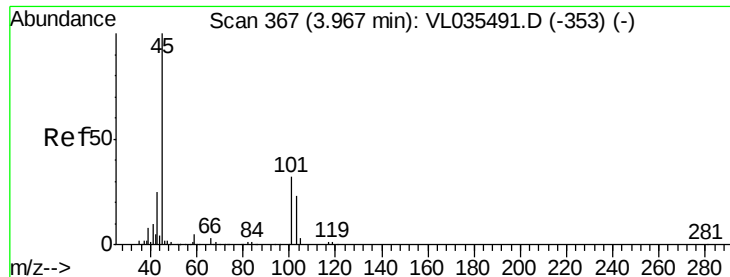


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.658 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

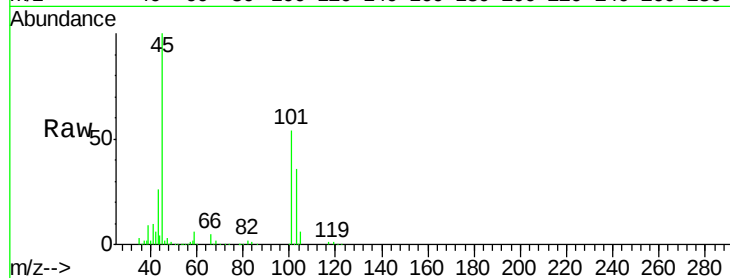
VL0823ABS01

Tot Ion: 45 Resp: 655787

Ion Ratio Lower Upper

45 100

58 2.3 1.8 2.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

300000

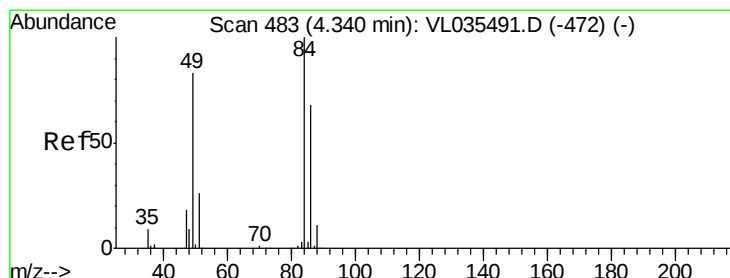
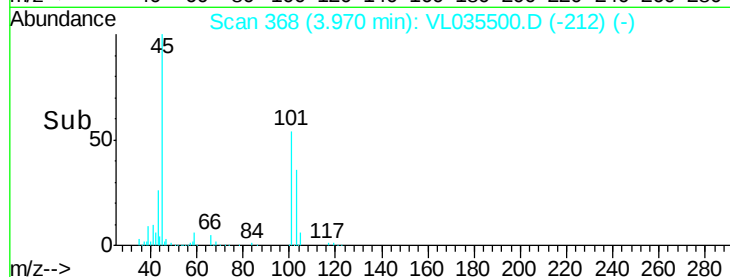
200000

100000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 5.919 ppbv m

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Tgt Ion: 84 Resp: 661877

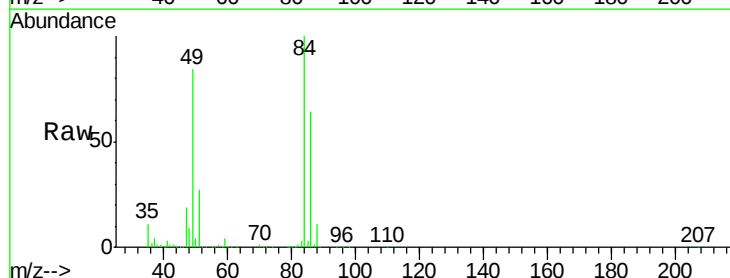
Ion Ratio Lower Upper

84 100

49 84.4 66.3 99.5

51 26.6 21.1 31.7

86 64.1 54.2 81.4



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

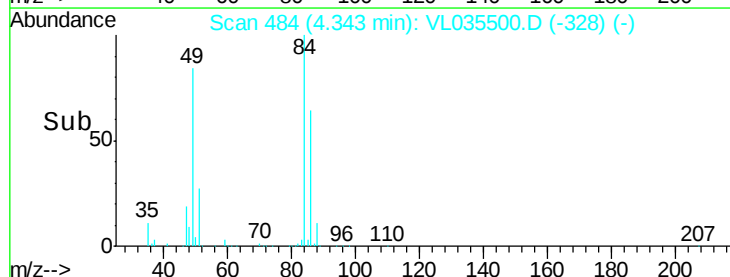
400000

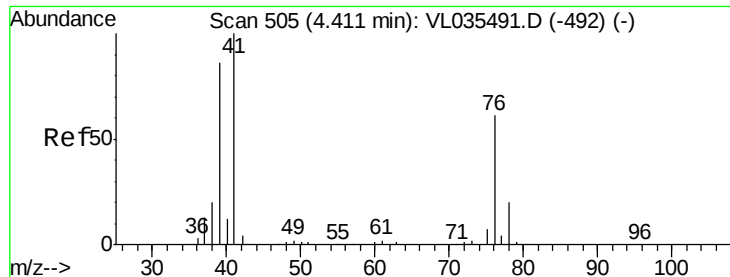
200000

0

4.25 4.30 4.35 4.40 4.45

Time-->





#21

Allvl Chloride

Concen: 10.088 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

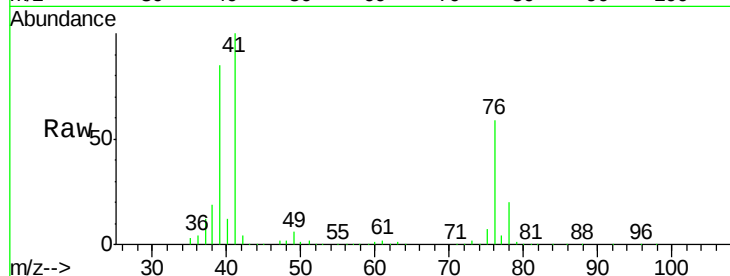
Tot Ion: 41 Resp: 531097

Ion Ratio Lower Upper

41 100

76 58.7 47.3 70.9

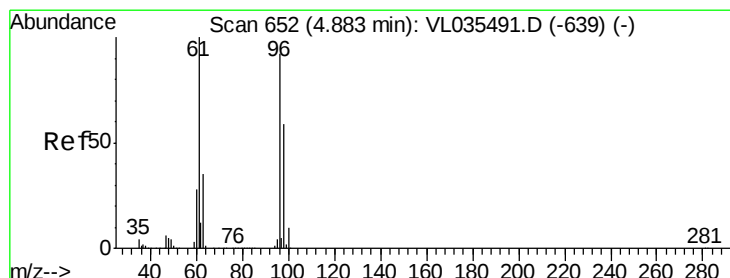
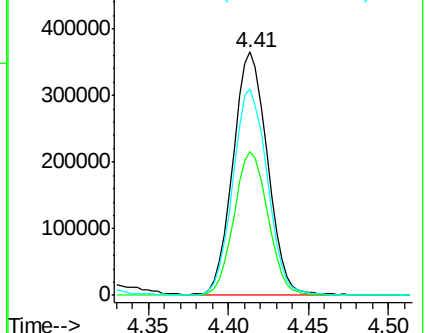
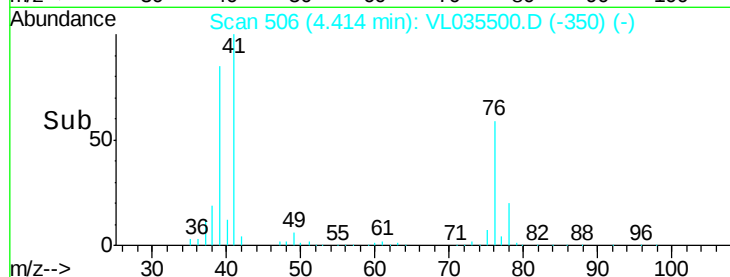
39 85.7 69.0 103.4



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: 9.664 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

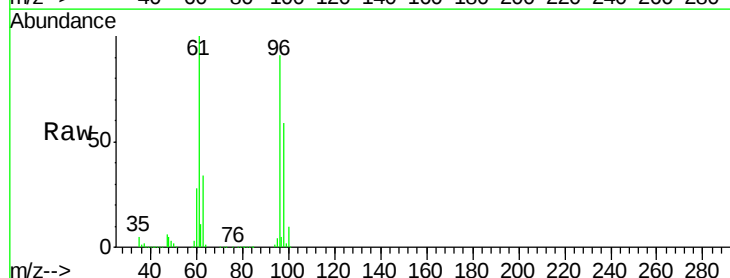
Tgt Ion: 96 Resp: 872117

Ion Ratio Lower Upper

96 100

61 110.2 86.5 129.7

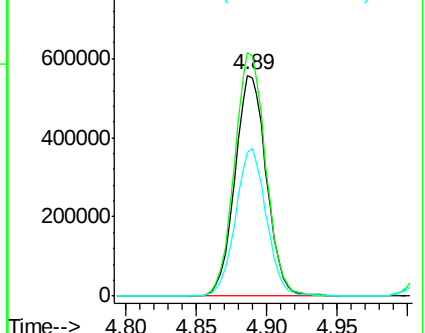
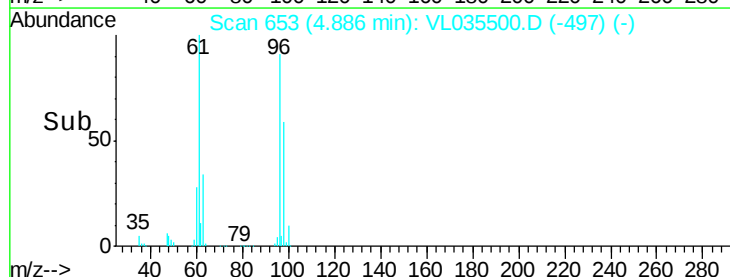
98 65.1 51.4 77.2

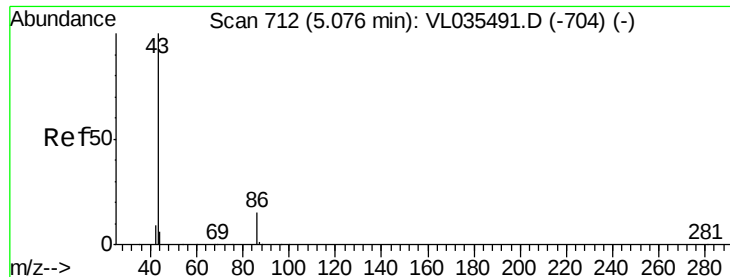


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.302 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

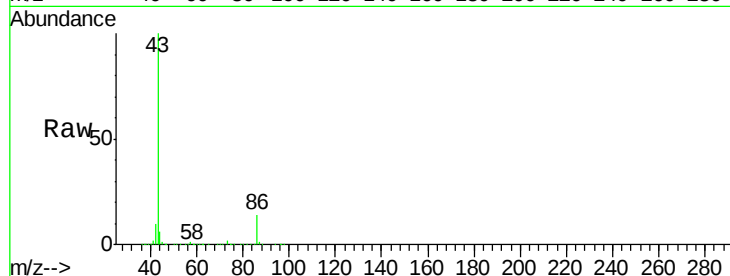
MSVOA_L

ClientSampleId :

VL0823ABS01

Tot Ion: 43 Resp: 1415537

Ion	Ratio	Lower	Upper
43	100		
86	13.8	10.9	16.3
42	9.9	7.8	11.8
44	5.5	4.4	6.6

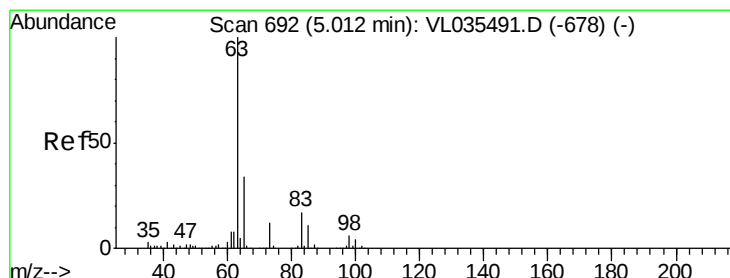
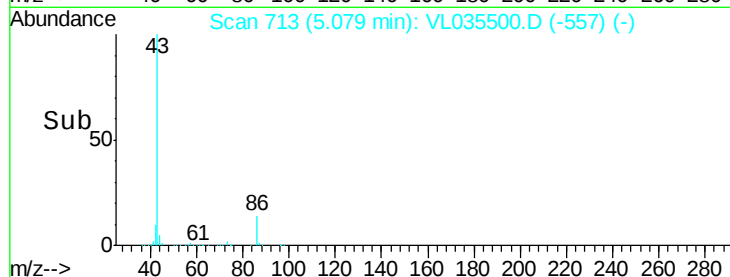
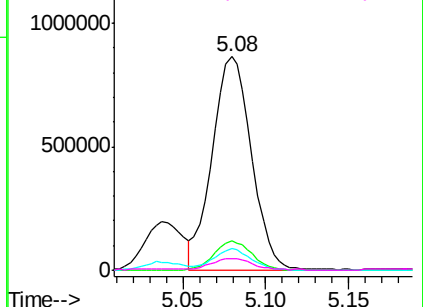


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.532 ppbv

RT: 5.01 min Scan# 693

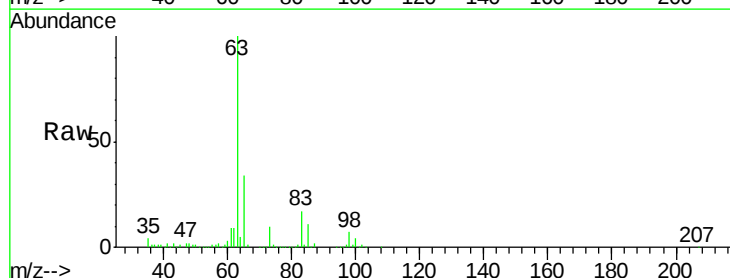
Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Tgt Ion: 63 Resp: 1379472

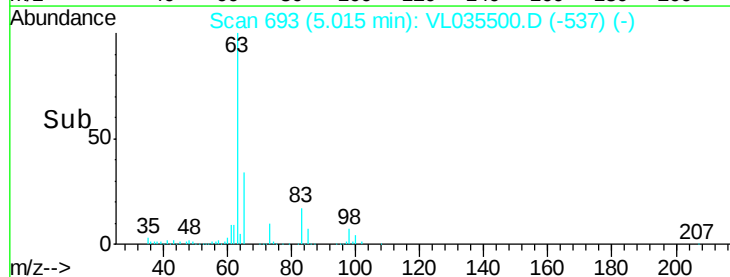
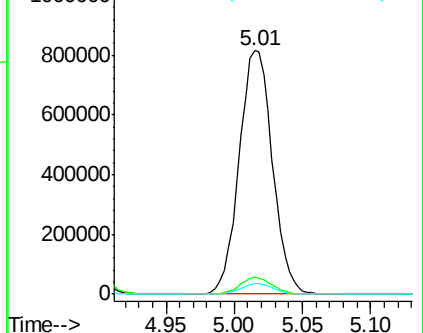
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.1	9.4
100	4.1	2.0	6.0

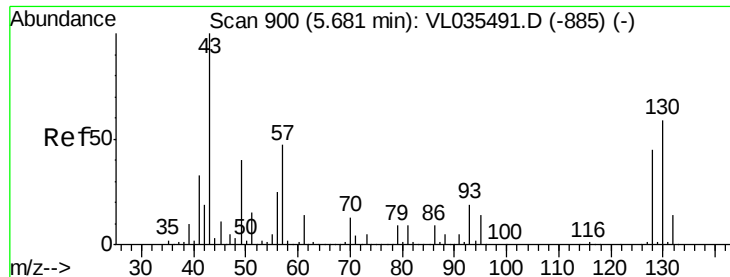


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



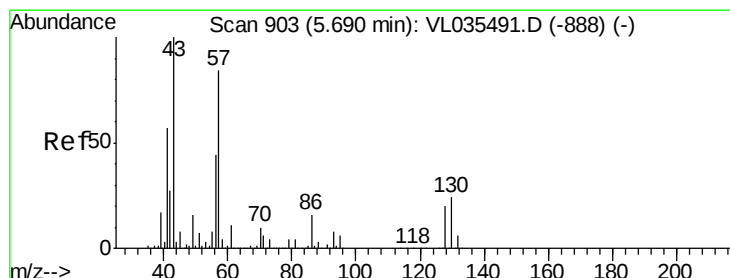
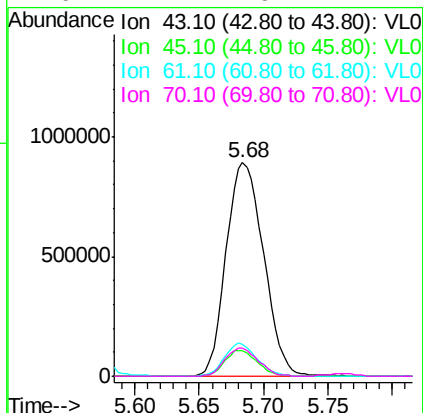
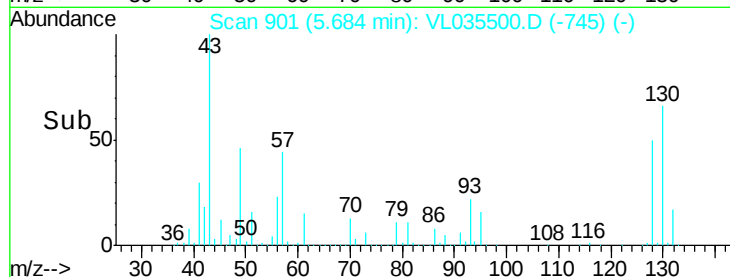
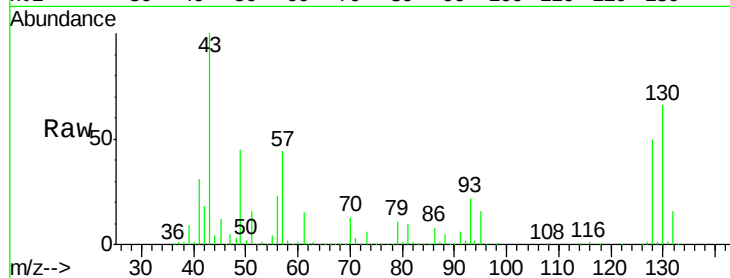


#25
Ethyl Acetate
Concen: 9.067 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Instrument :
MSVOA_L
ClientSampled :
VL0823ABS01

Tot Ion: 43 Resp: 1798286

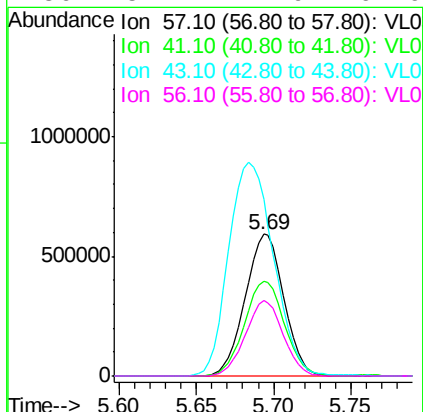
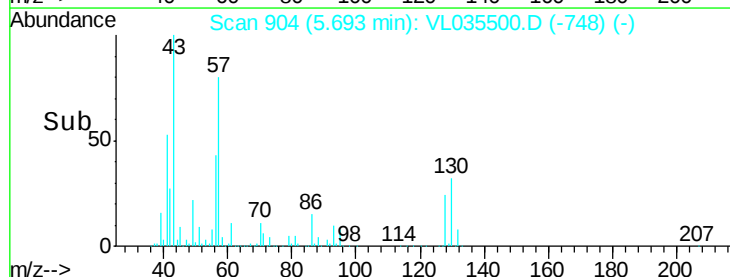
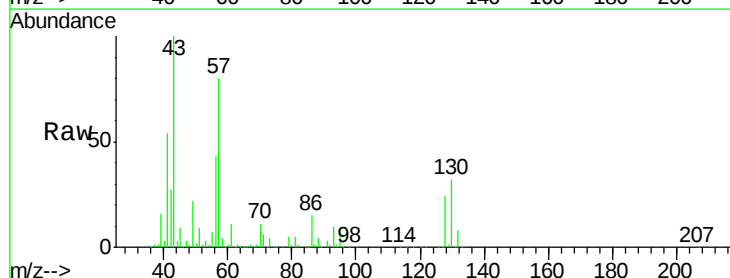
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.4	12.6
61	13.4	10.6	16.0
70	11.7	9.4	14.2

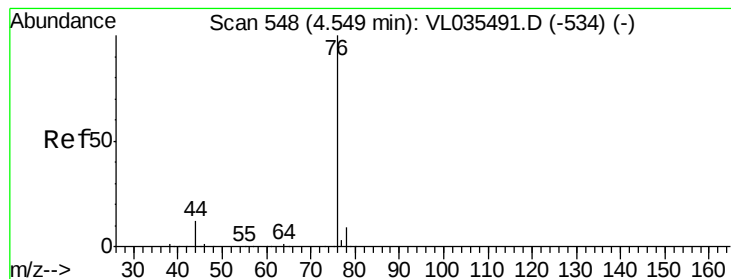


#26
Hexane
Concen: 8.523 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion: 57 Resp: 1027492

Ion	Ratio	Lower	Upper
57	100		
41	69.8	56.7	85.1
43	175.7	141.9	212.9
56	52.2	41.9	62.9





#27

Carbon Disulfide

Concen: 10.717 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

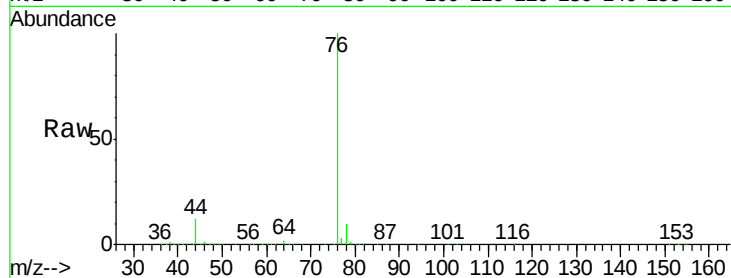
Tot Ion: 76 Resp: 1722181

Ion Ratio Lower Upper

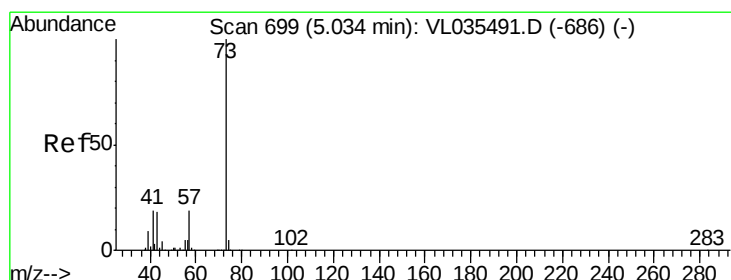
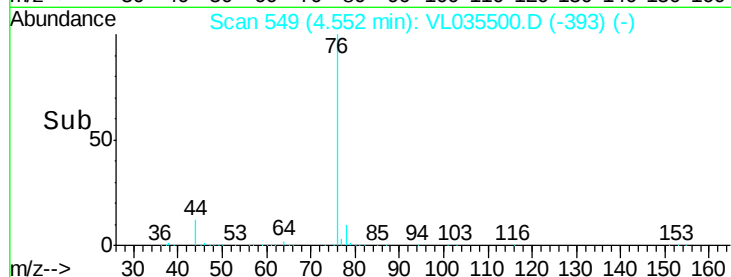
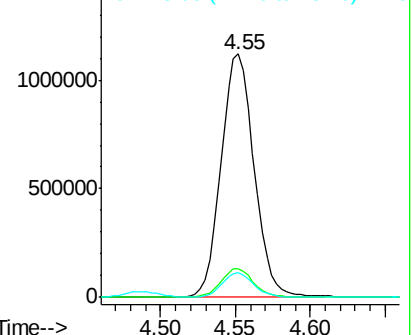
76 100

44 11.5 9.2 13.8

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: 9.870 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035500.D

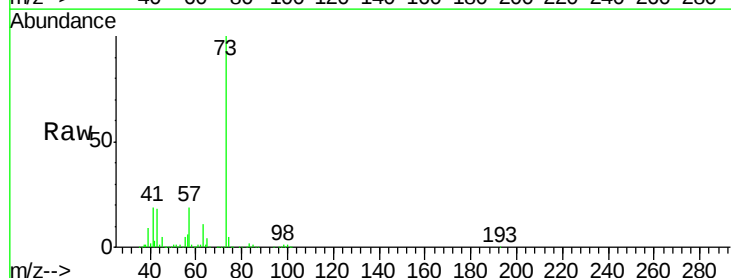
Acq: 23 Aug 2020 15:59

Tgt Ion: 73 Resp: 1931491

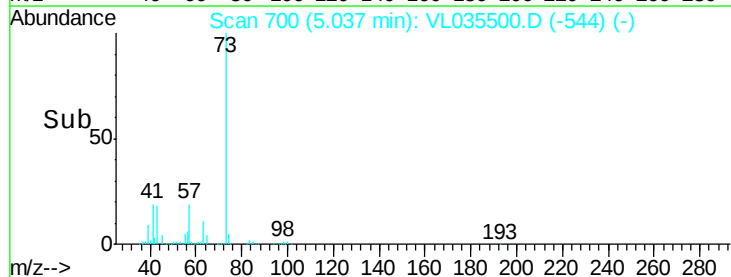
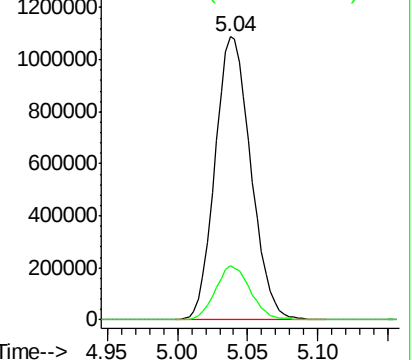
Ion Ratio Lower Upper

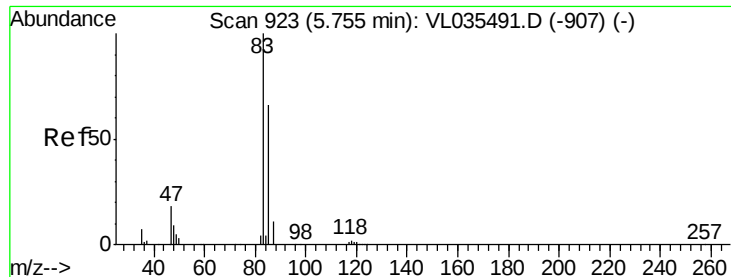
73 100

57 18.7 15.1 22.7



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





#29

Chloroform

Concen: 9.426 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

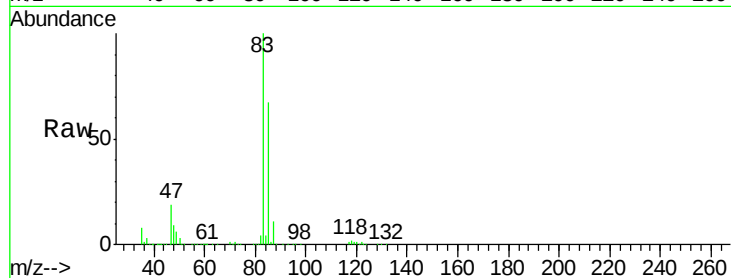
VL0823ABS01

Tot Ion: 83 Resp: 2160176

Ion Ratio Lower Upper

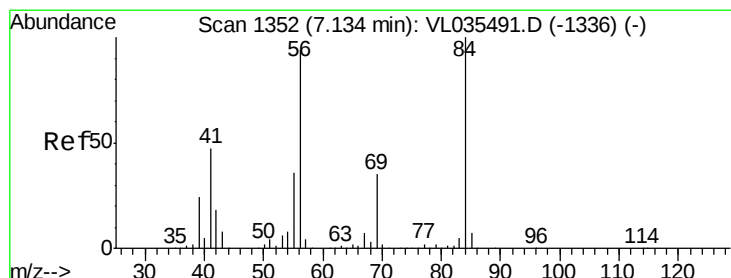
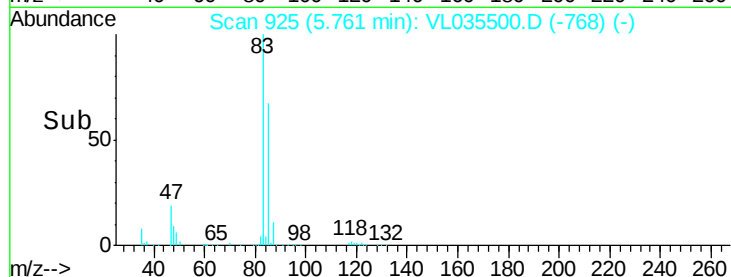
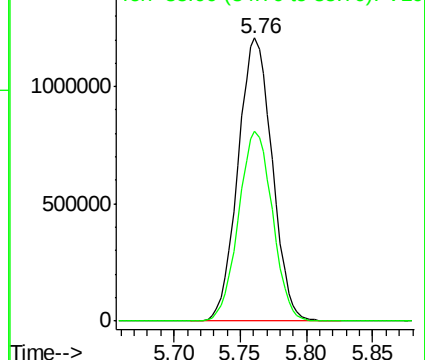
83 100

85 66.9 53.1 79.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.102 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

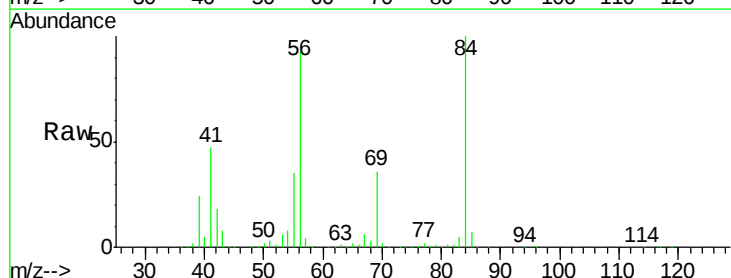
Tgt Ion: 84 Resp: 1225277

Ion Ratio Lower Upper

84 100

56 99.5 79.9 119.9

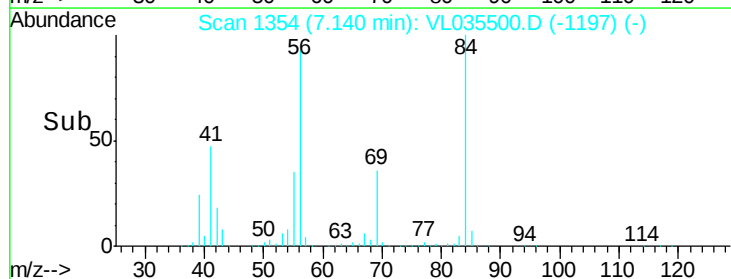
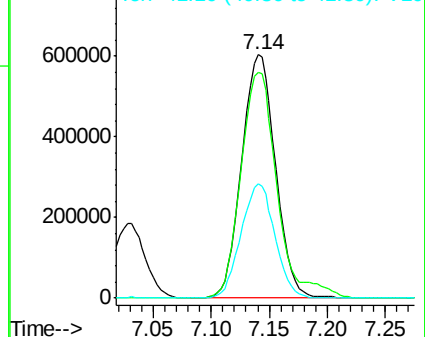
41 47.0 37.6 56.4

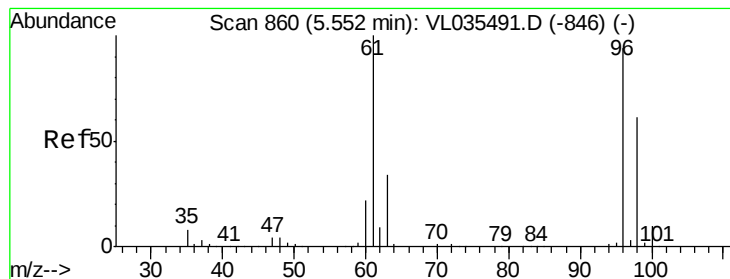


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



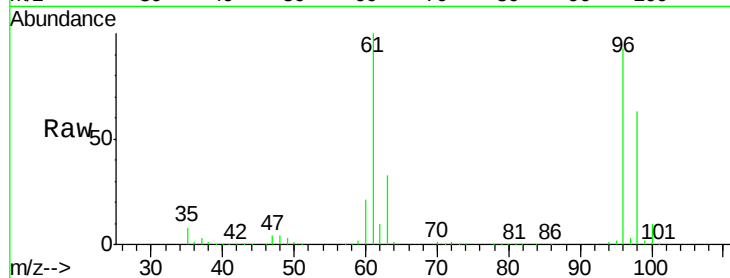


#31

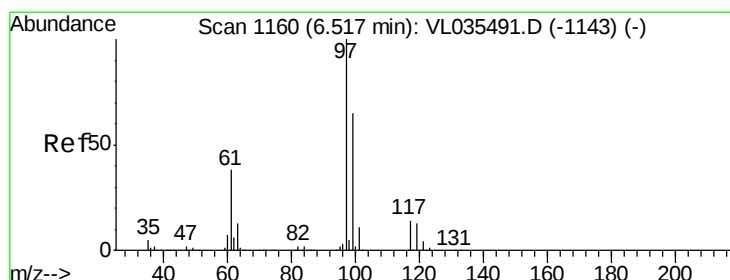
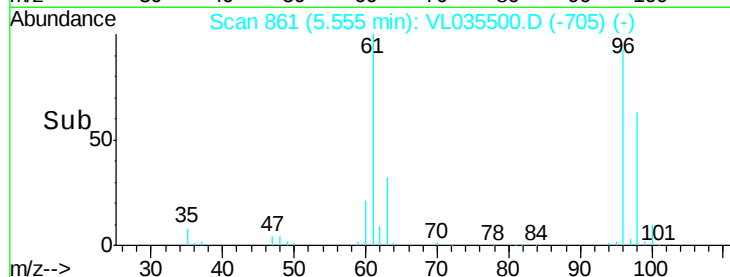
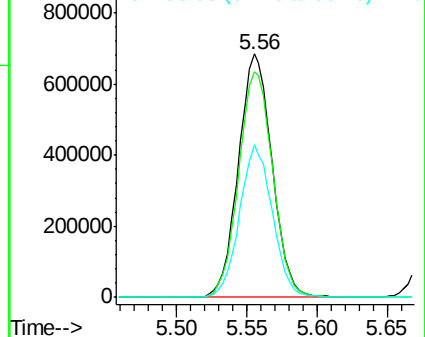
cis-1,2-Dichloroethene
Concen: 10.031 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Instrument :
MSVOA_L
ClientSampleId :
VL0823ABS01

Tot Ion: 61 Resp: 1145773
Ion Ratio Lower Upper
61 100
96 92.9 75.5 113.3
98 62.7 48.9 73.3



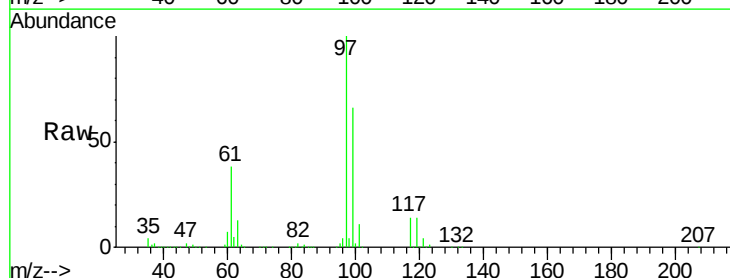
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



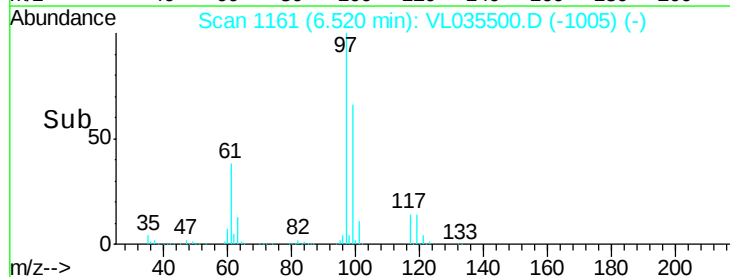
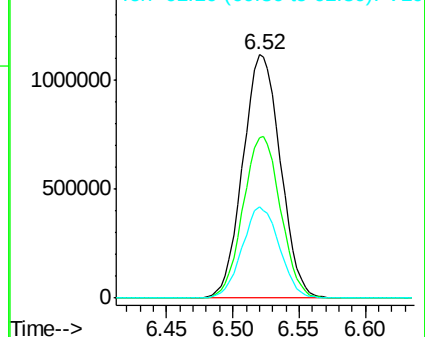
#32

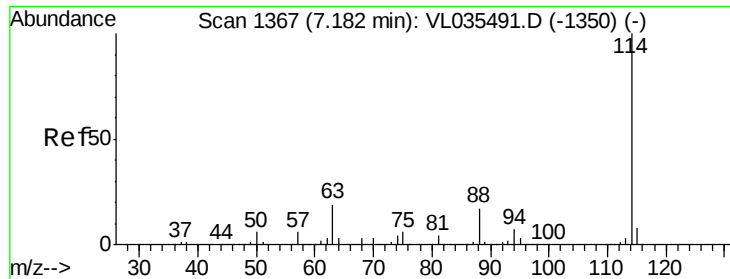
1,1,1-Trichloroethane
Concen: 10.504 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion: 97 Resp: 2199075
Ion Ratio Lower Upper
97 100
99 66.4 52.7 79.1
61 37.5 30.2 45.2



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

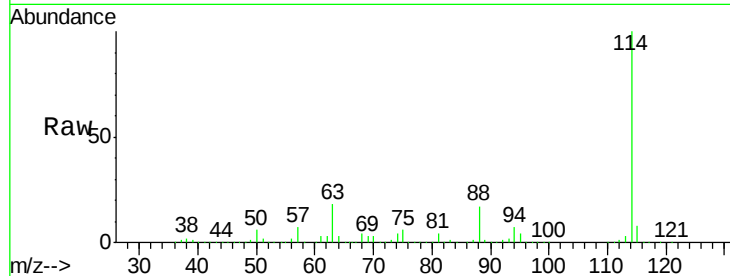




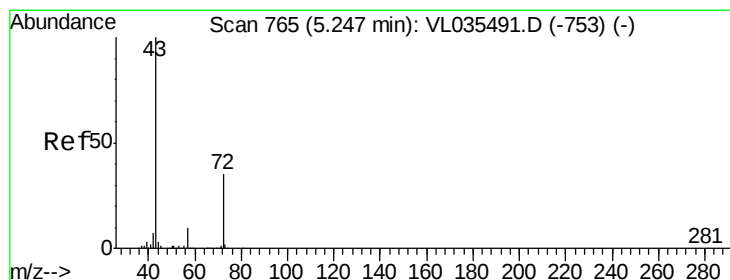
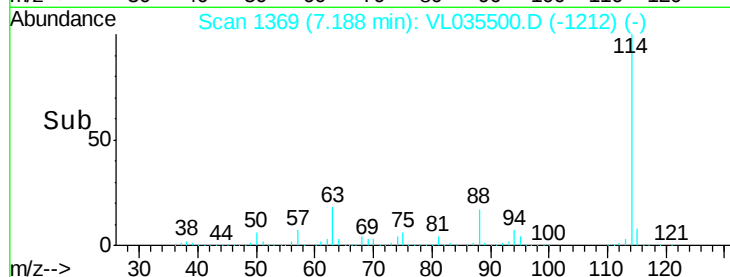
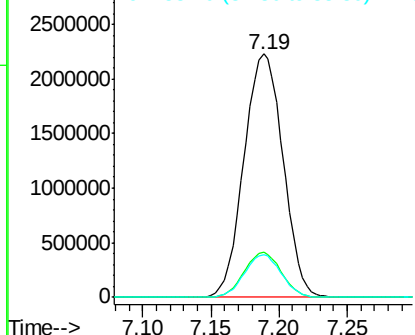
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0823ABS01

Tot Ion:114 Resp: 4433753
 Ion Ratio Lower Upper
 114 100
 63 17.9 14.3 21.5
 88 16.5 13.2 19.8

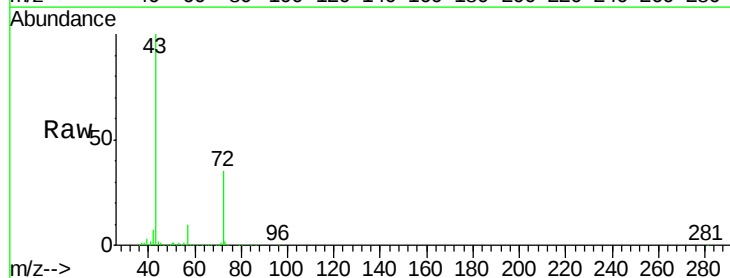


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

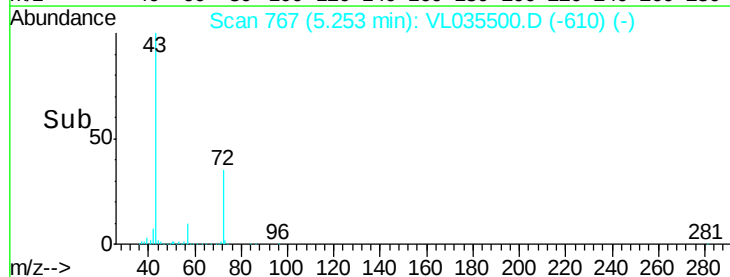
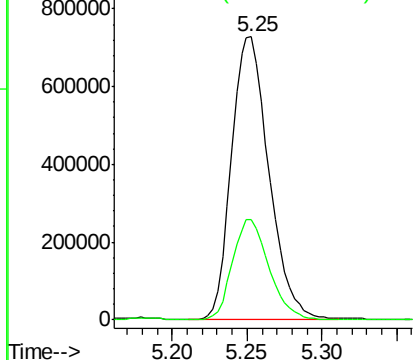


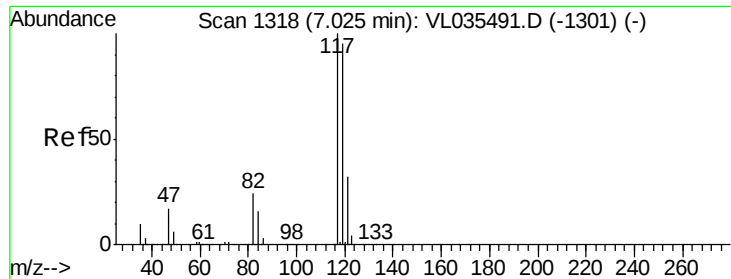
#34
 2-Butanone
 Concen: 9.719 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

Tgt Ion: 43 Resp: 1265656
 Ion Ratio Lower Upper
 43 100
 72 35.0 27.6 41.4



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





#35

Carbon Tetrachloride

Concen: 10.805 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

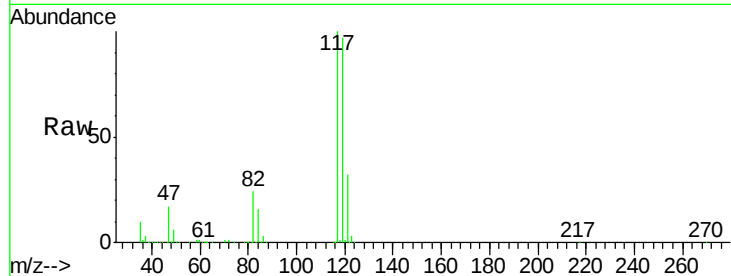
Tot Ion:117 Resp: 2334533

Ion Ratio Lower Upper

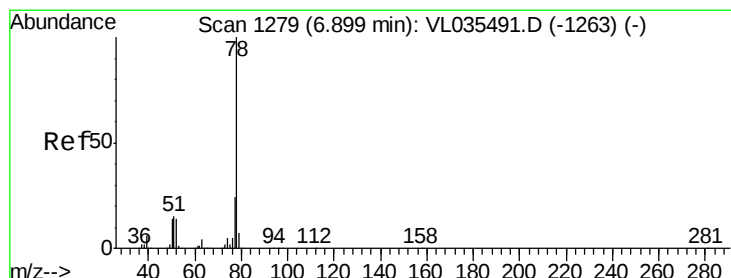
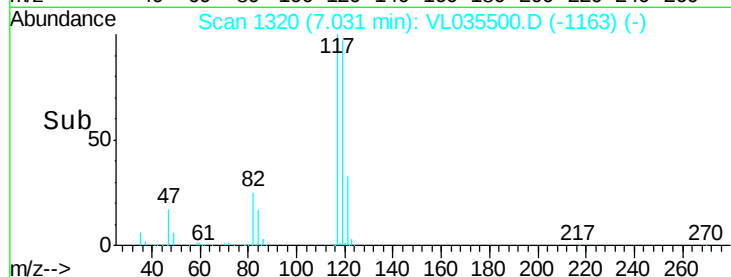
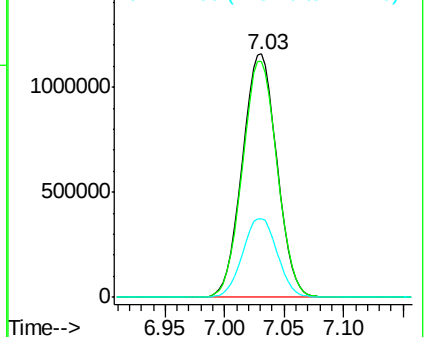
117 100

119 97.0 75.6 113.4

121 32.2 25.6 38.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.631 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

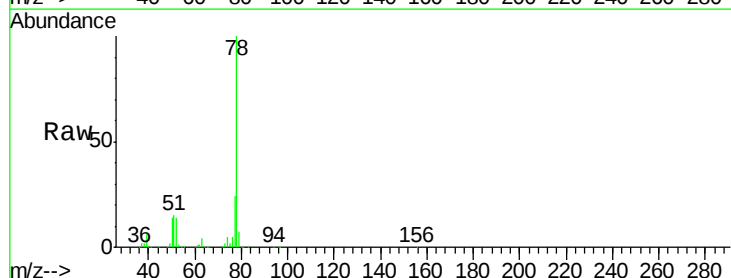
Tgt Ion: 78 Resp: 2804367

Ion Ratio Lower Upper

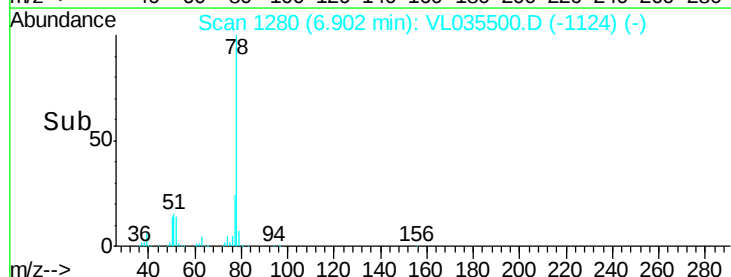
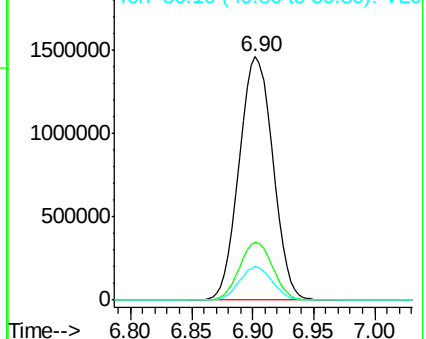
78 100

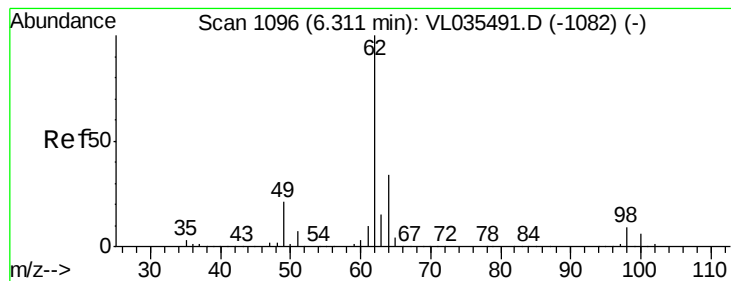
77 23.9 19.2 28.8

50 13.6 11.0 16.4



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: 9.604 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

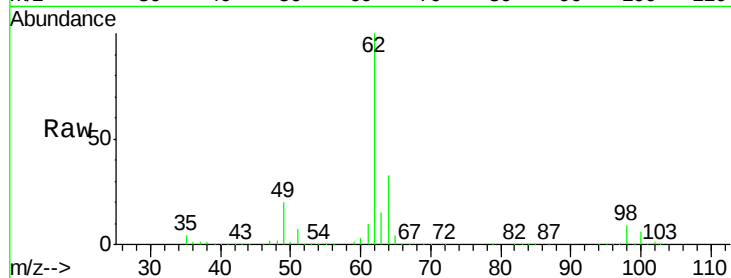
VL0823ABS01

Tot Ion: 62 Resp: 1323241

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.32

800000

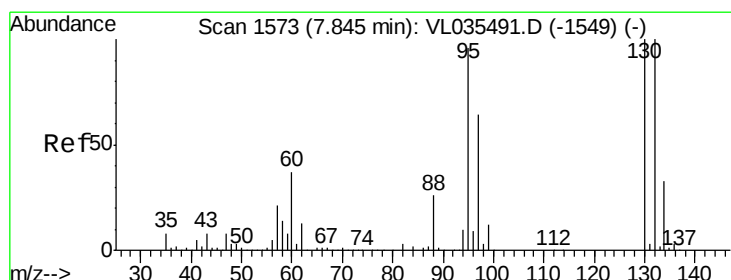
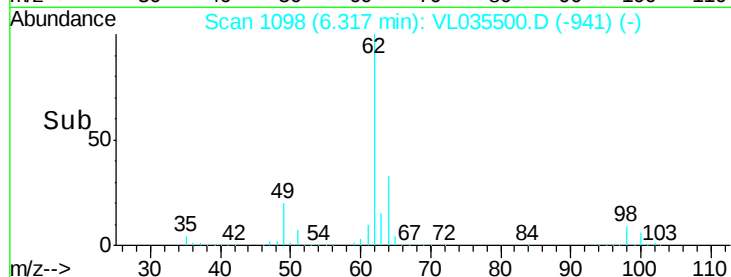
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.465 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Tgt Ion:130 Resp: 1525159

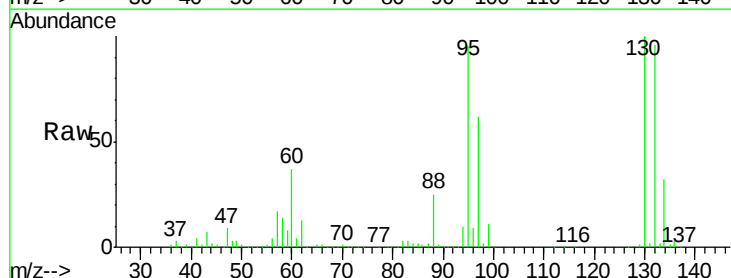
Ion Ratio Lower Upper

130 100

95 94.9 76.9 115.3

132 96.1 80.2 120.4

97 61.6 51.2 76.8



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

1200000

1000000

800000

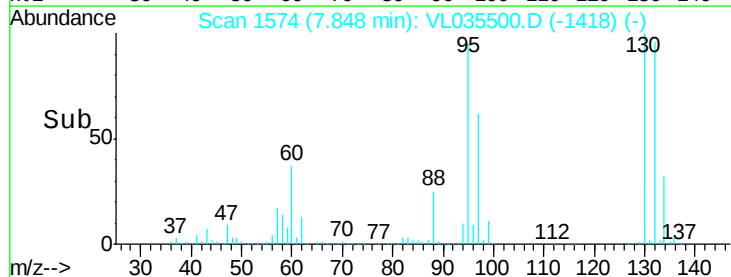
600000

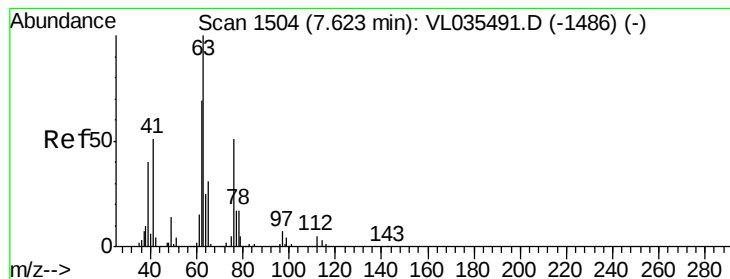
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.559 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

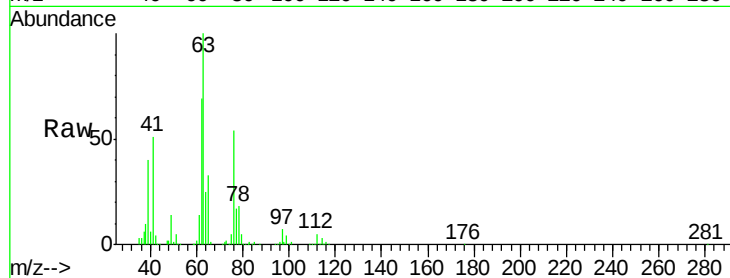
Tot Ion: 63 Resp: 929046

Ion Ratio Lower Upper

63 100

41 51.3 40.9 61.3

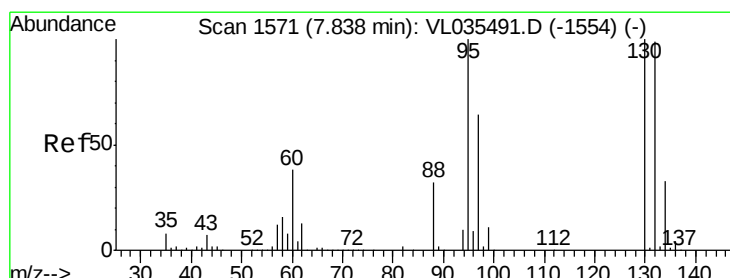
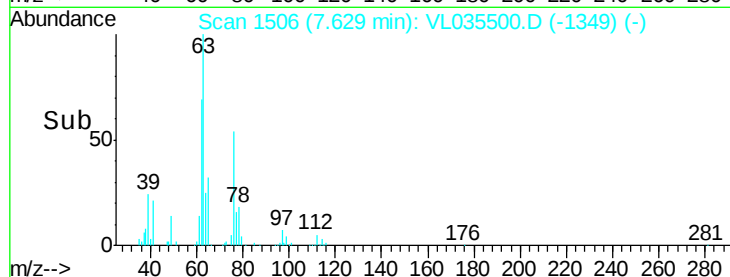
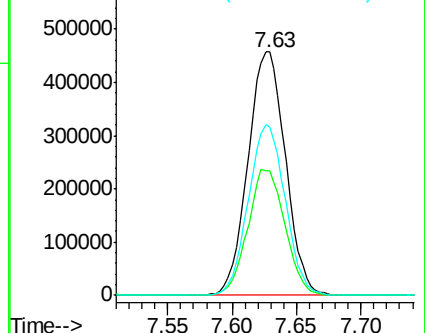
62 68.9 55.3 82.9



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.110 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Tgt Ion: 88 Resp: 486387

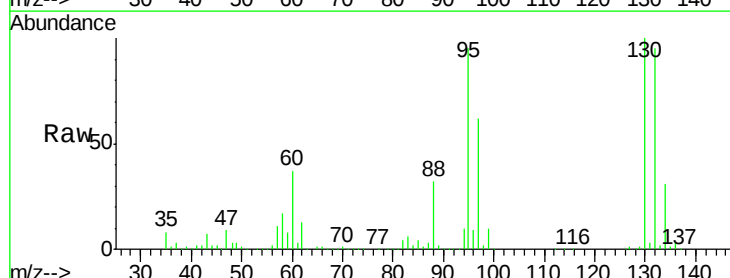
Ion Ratio Lower Upper

88 100

58 88.6 68.1 102.1

43 135.3 101.0 151.4

57 731.0 546.5 819.7

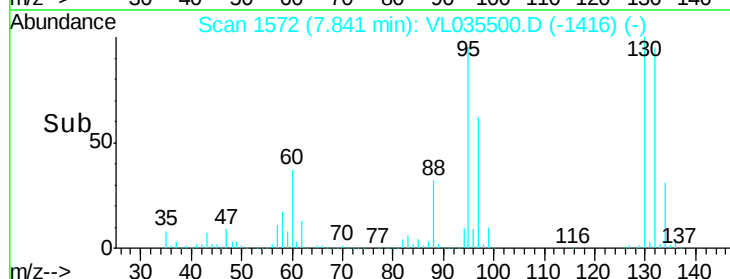
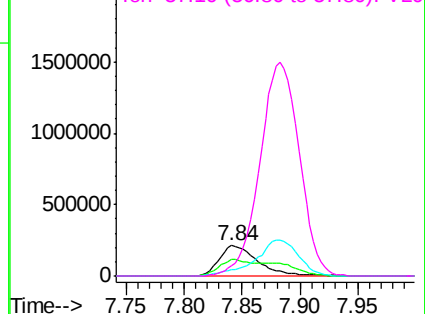


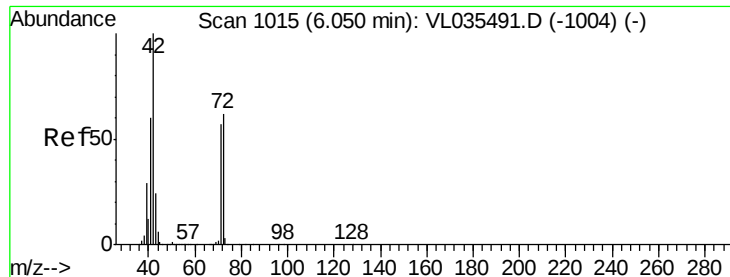
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.292 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

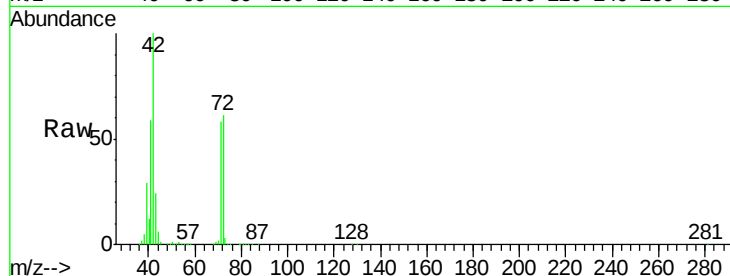
Tot Ion: 42 Resp: 727950

Ion Ratio Lower Upper

42 100

72 60.7 49.1 73.7

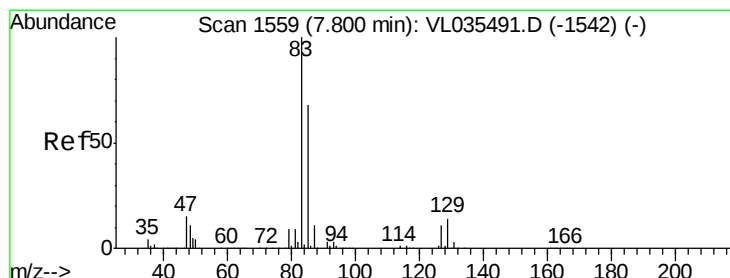
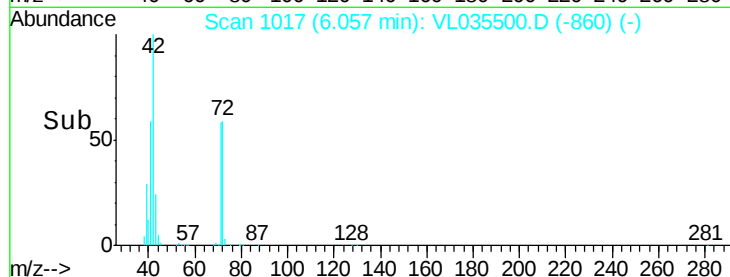
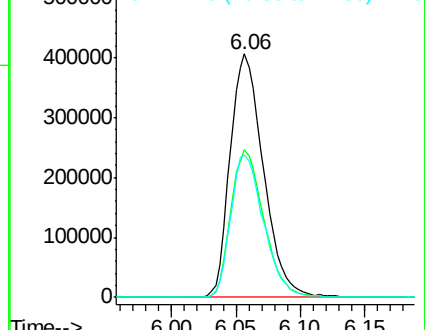
71 58.5 46.7 70.1



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.211 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

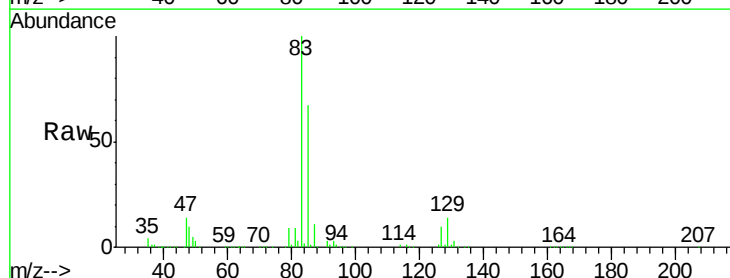
Tgt Ion: 83 Resp: 2301067

Ion Ratio Lower Upper

83 100

85 66.8 54.8 82.2

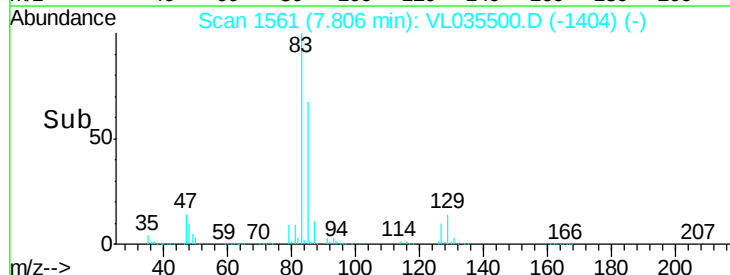
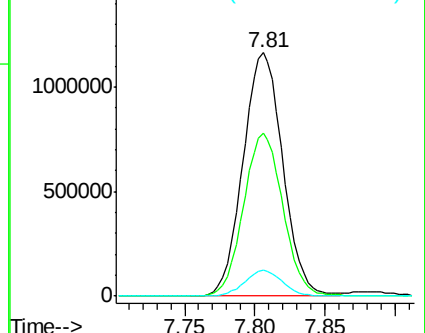
127 10.5 8.6 13.0

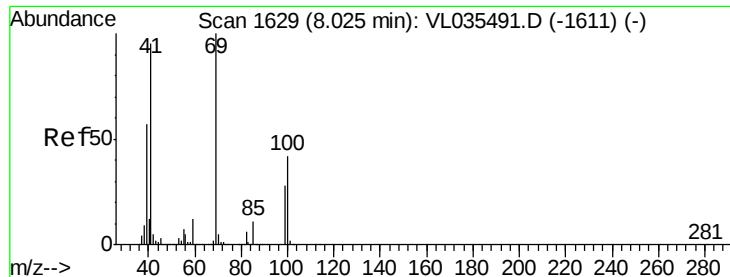


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

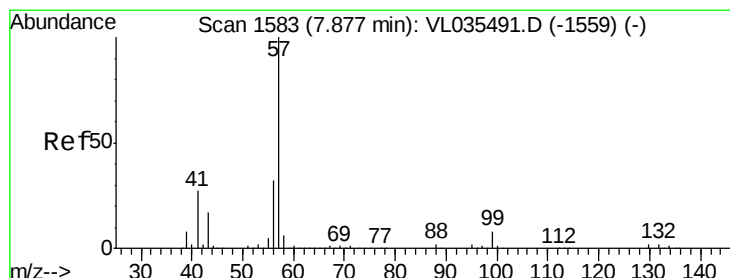
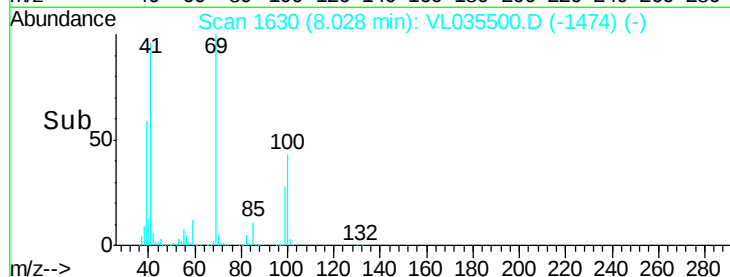
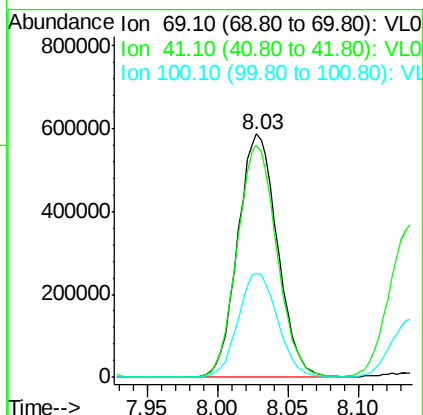
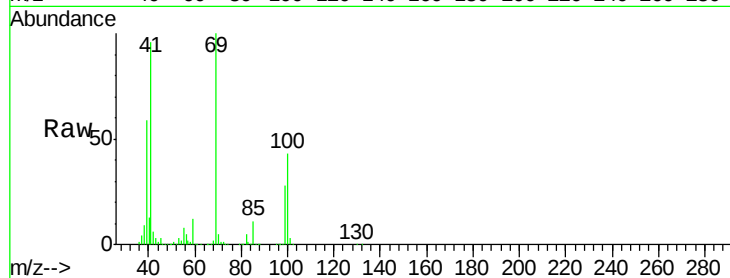




#43
Methvl Methacrilate
Concen: 10.282 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

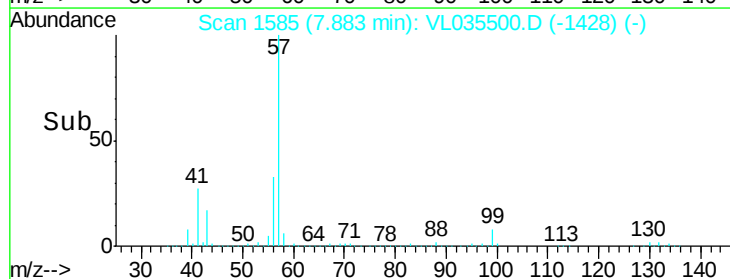
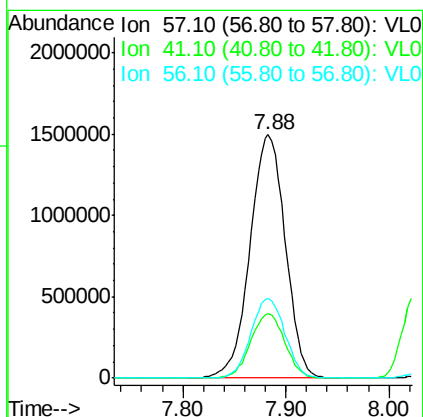
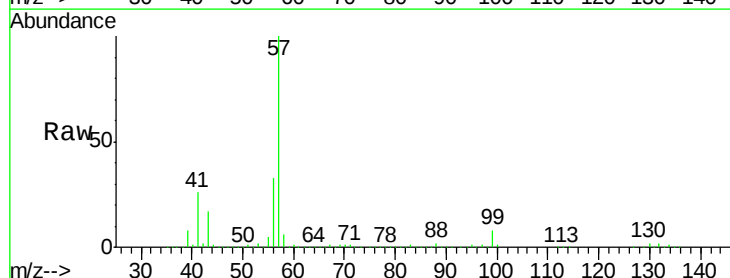
Instrument :
MSVOA_L
ClientSampleId :
VL0823ABS01

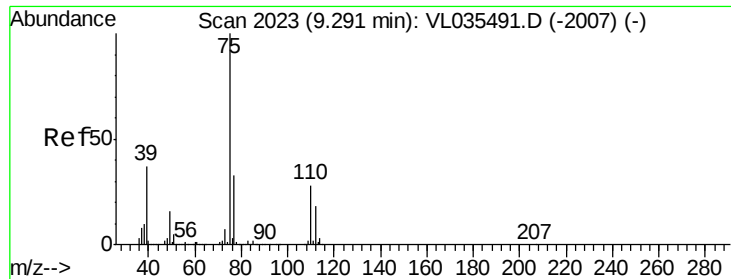
Tot Ion: 69 Resp: 1155830
Ion Ratio Lower Upper
69 100
41 95.4 76.1 114.1
100 42.6 34.2 51.4



#44
2,2,4-Trimethylpentane
Concen: 9.340 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion: 57 Resp: 3551990
Ion Ratio Lower Upper
57 100
41 25.5 20.7 31.1
56 31.6 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.665 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

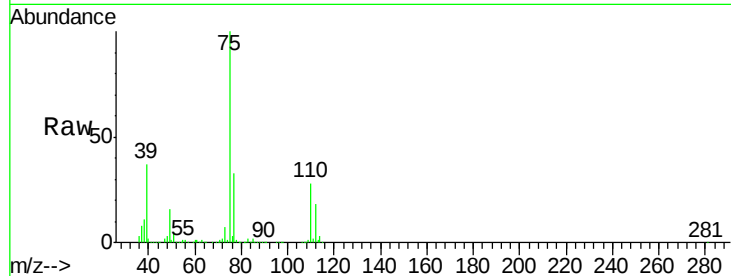
VL0823ABS01

Tot Ion: 75 Resp: 1347525

Ion Ratio Lower Upper

75 100

77 32.9 26.6 39.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

400000

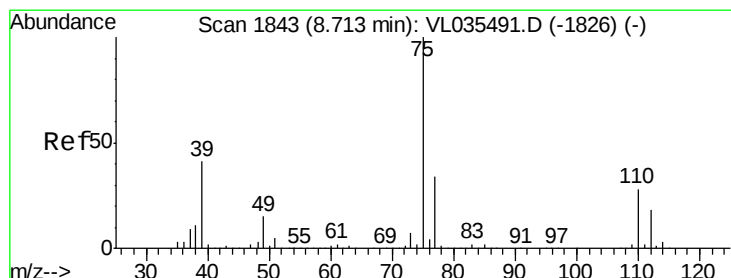
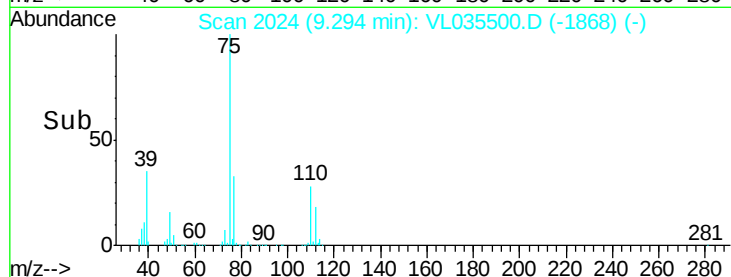
200000

0

9.20 9.25 9.30 9.35 9.40

9.29

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.065 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

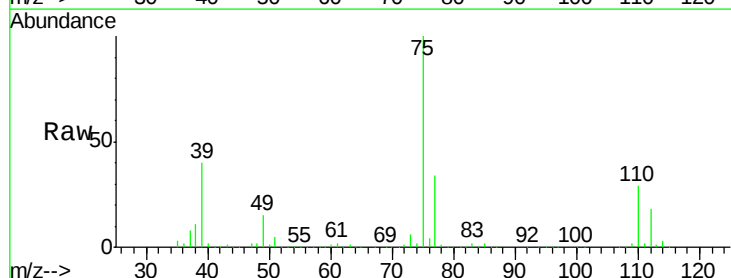
Tgt Ion: 75 Resp: 1582902

Ion Ratio Lower Upper

75 100

39 40.1 33.2 49.8

77 34.1 27.1 40.7



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

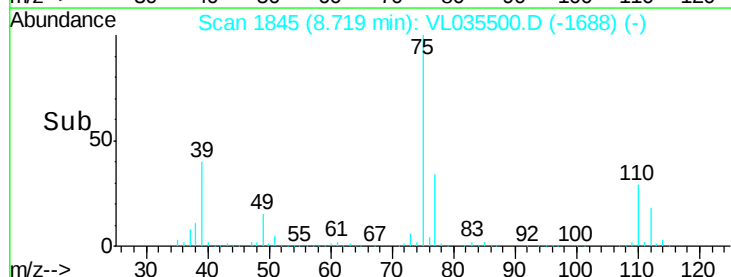
200000

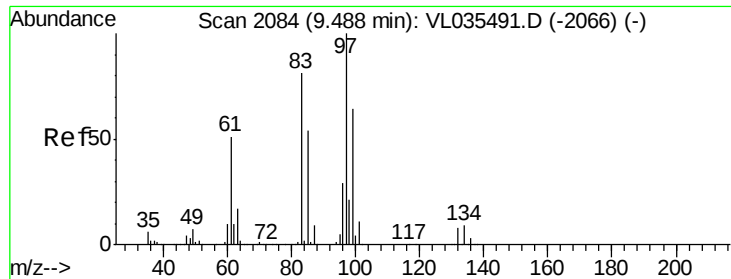
0

8.60 8.65 8.70 8.75 8.80

8.72

Time-->



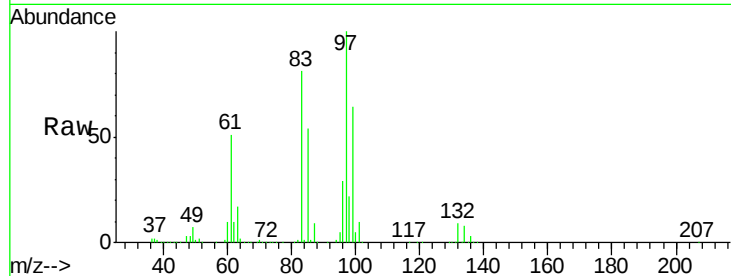


#47
 1,1,2-Trichloroethane
 Concen: 9.540 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

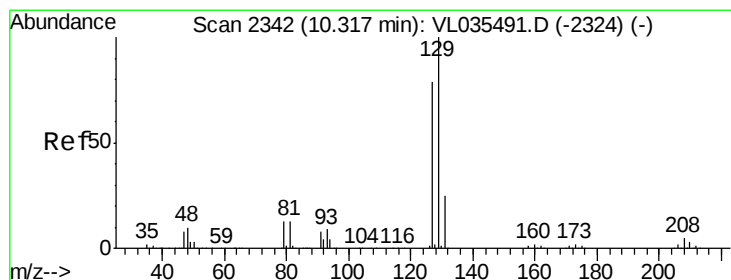
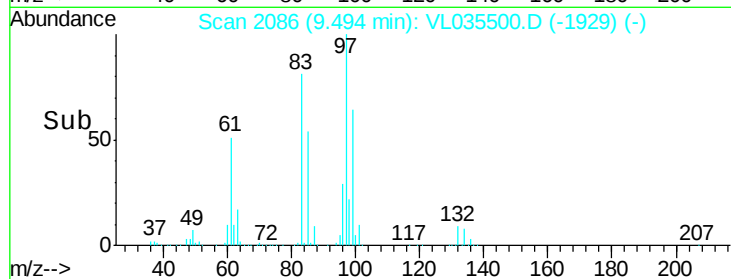
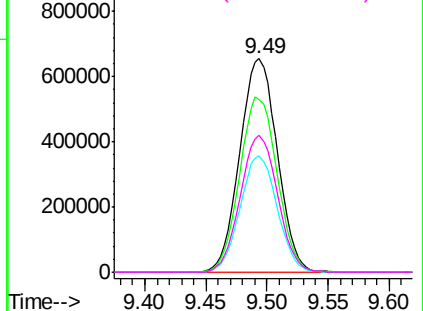
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0823ABS01

Tot Ion: 97 Resp: 1392026

Ion	Ratio	Lower	Upper
97	100		
83	81.1	64.9	97.3
85	54.3	43.1	64.7
99	63.9	51.5	77.3



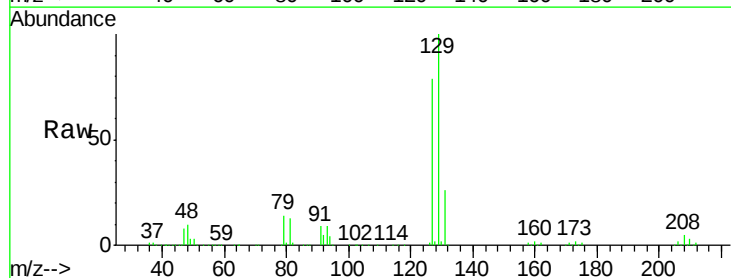
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



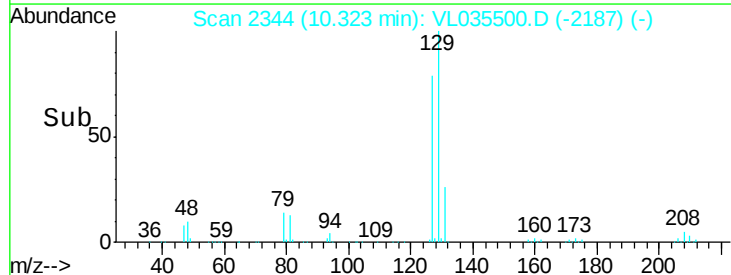
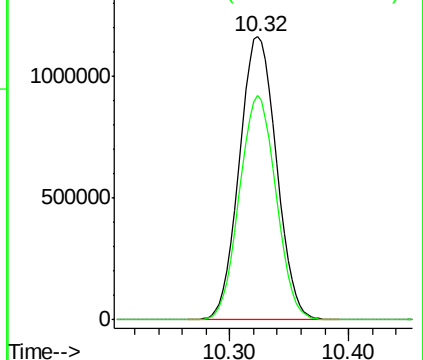
#48
 Dibromochloromethane
 Concen: 10.866 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

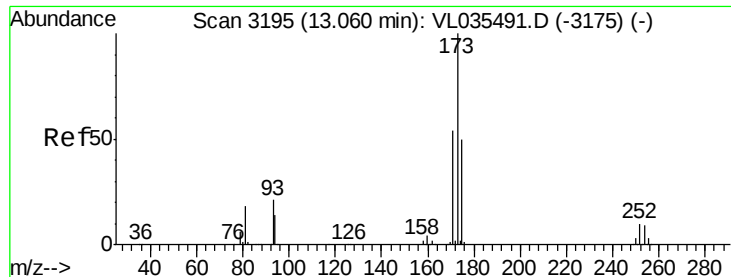
Tgt Ion: 129 Resp: 2523820

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.5



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





#49

Bromoform

Concen: 11.340 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

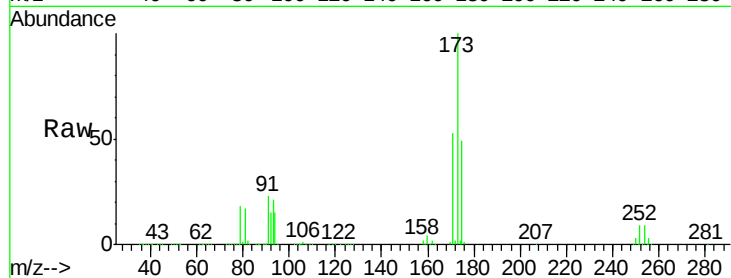
Tot Ion:173 Resp: 2446477

Ion Ratio Lower Upper

173 100

175 49.8 40.2 60.4

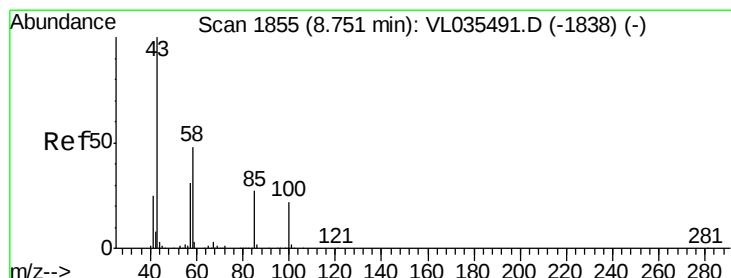
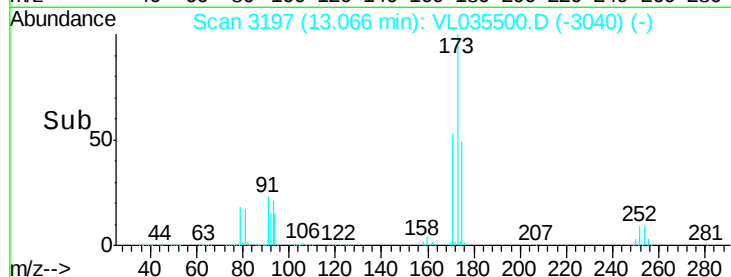
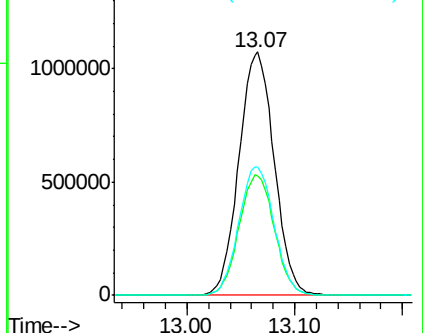
171 53.0 42.7 64.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.984 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL035500.D

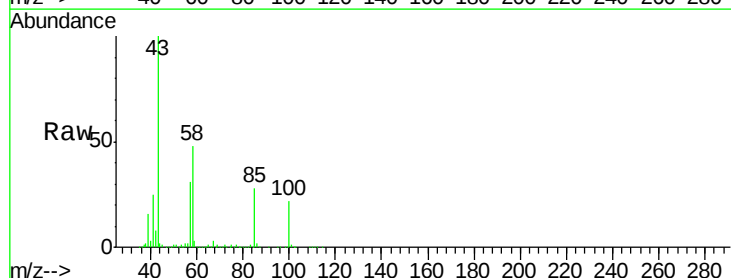
Acq: 23 Aug 2020 15:59

Tgt Ion: 43 Resp: 1870307

Ion Ratio Lower Upper

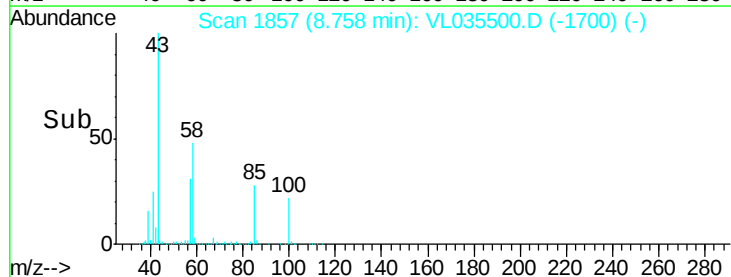
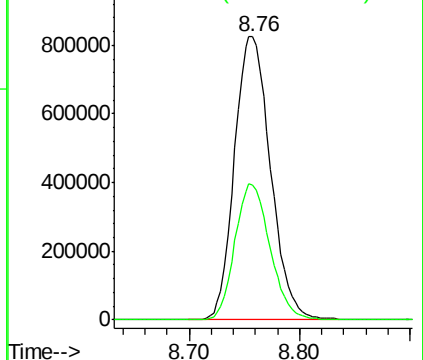
43 100

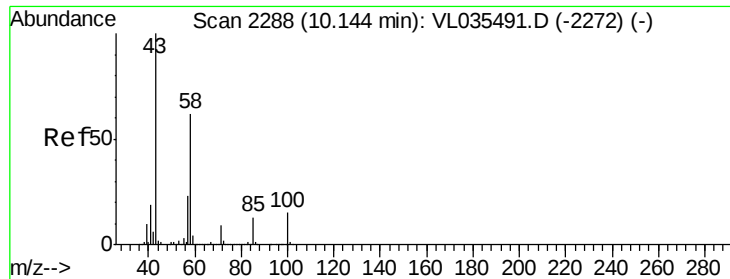
58 46.9 37.4 56.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

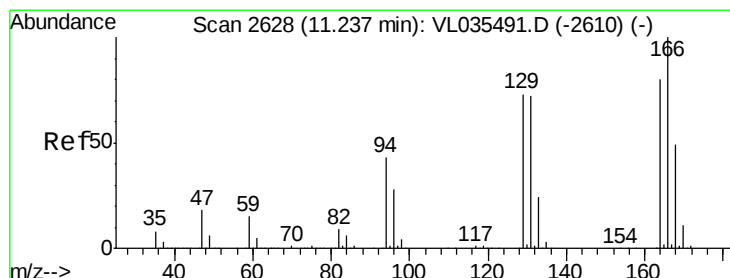
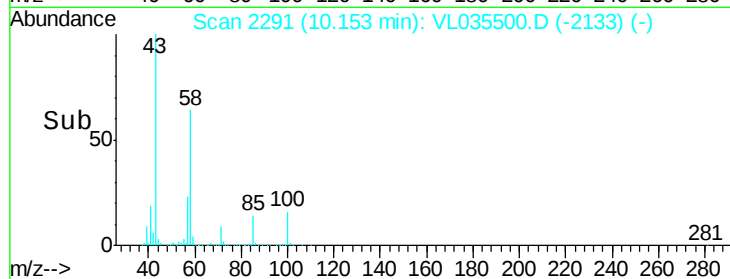
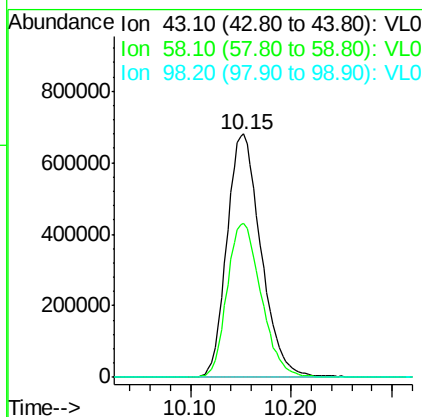
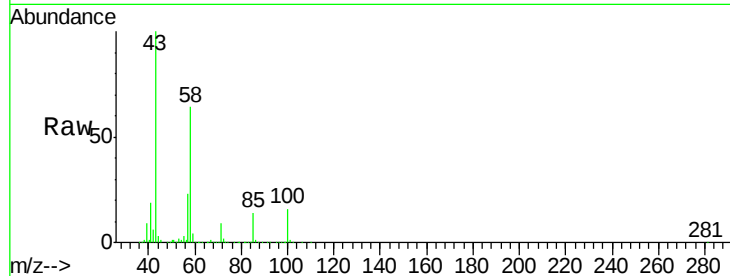




#51
2-Hexanone
Concen: 10.458 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

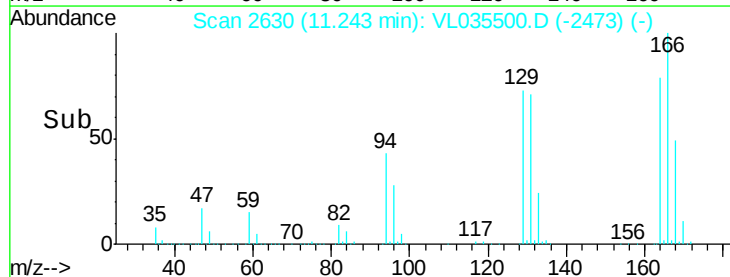
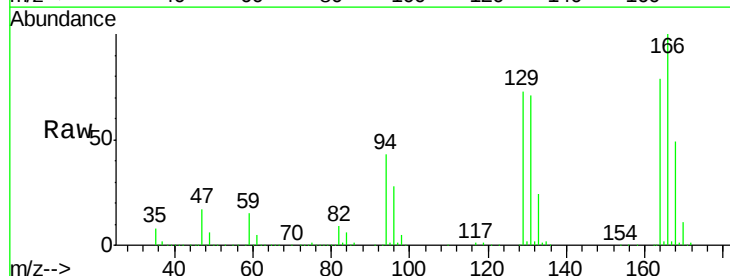
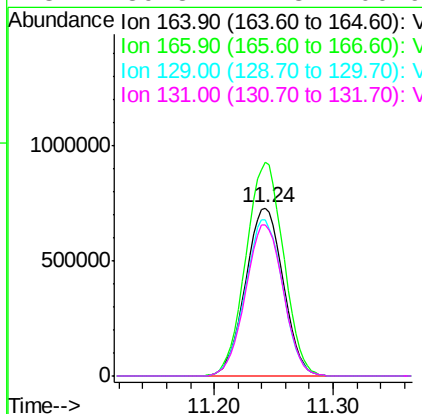
Instrument :
MSVOA_L
ClientSampleId :
VL0823ABS01

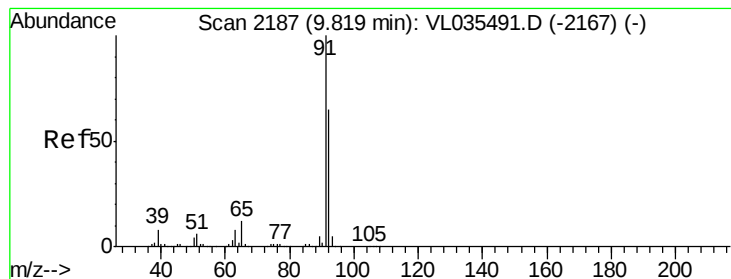
Tot Ion: 43 Resp: 1600264
Ion Ratio Lower Upper
43 100
58 63.6 50.3 75.5
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.452 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion: 164 Resp: 1602806
Ion Ratio Lower Upper
164 100
166 127.1 99.6 149.4
129 93.1 72.8 109.2
131 89.8 71.3 106.9





#53

Toluene

Concen: 9.823 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

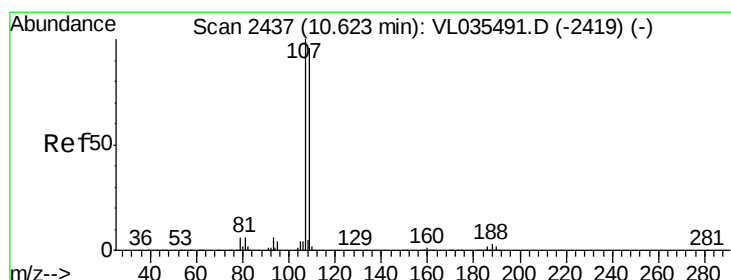
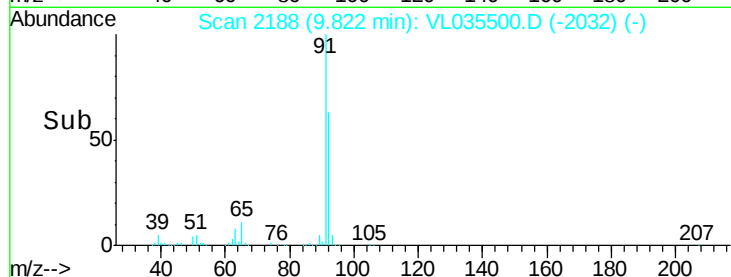
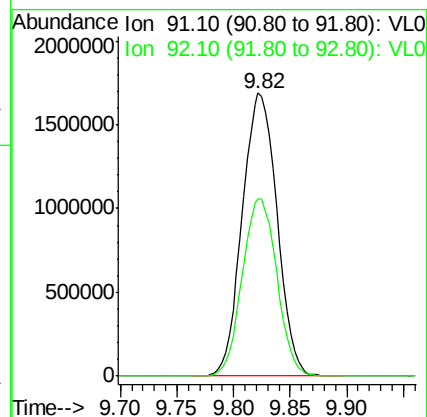
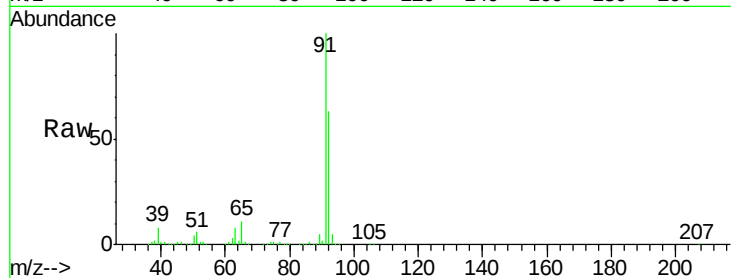
VL0823ABS01

Tot Ion: 91 Resp: 3619603

Ion Ratio Lower Upper

91 100

92 62.4 49.9 74.9



#54

1,2-Dibromoethane

Concen: 9.753 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL035500.D

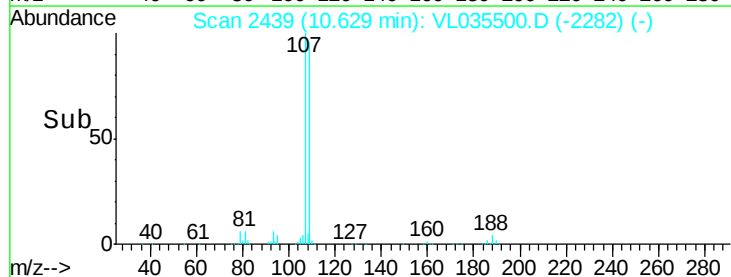
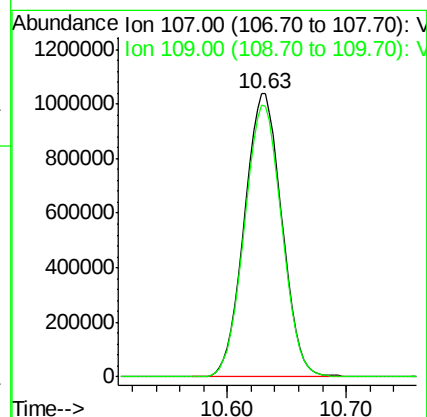
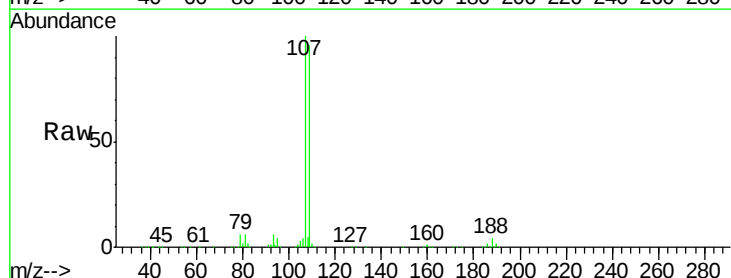
Acq: 23 Aug 2020 15:59

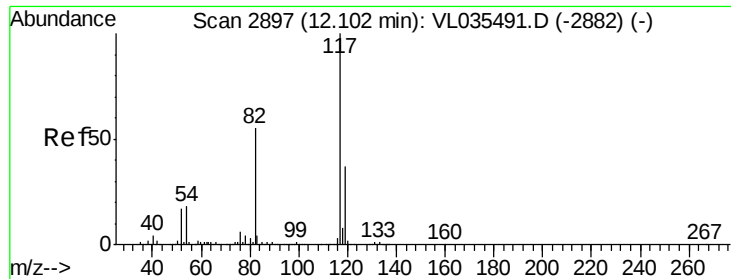
Tgt Ion: 107 Resp: 2260964

Ion Ratio Lower Upper

107 100

109 96.1 76.5 114.7

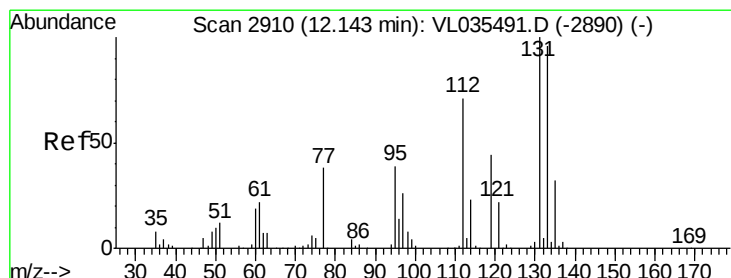
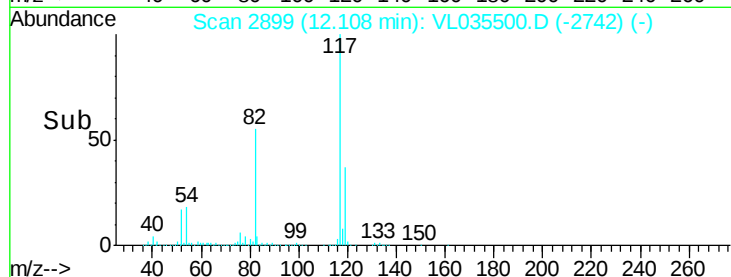
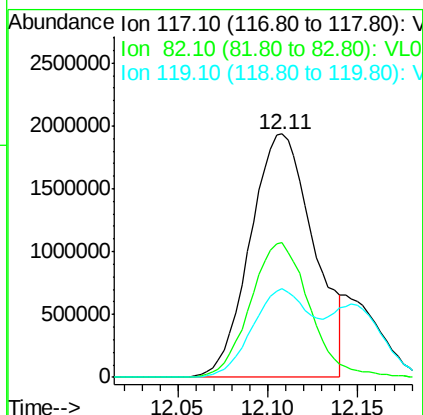
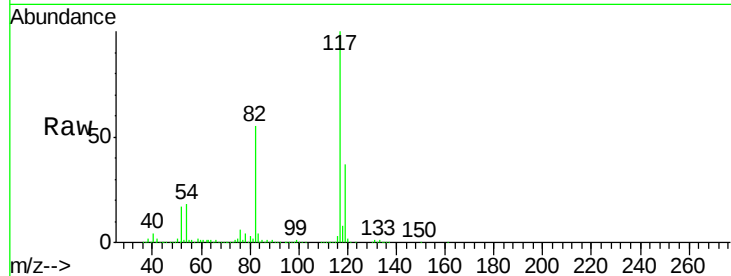




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

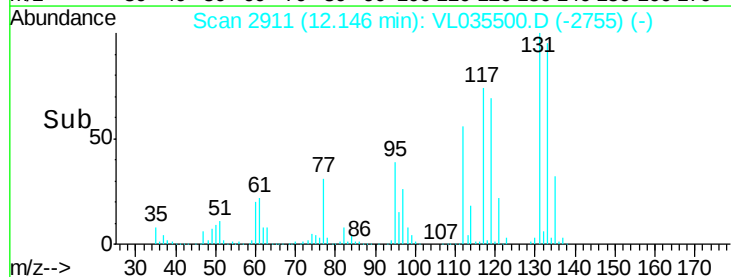
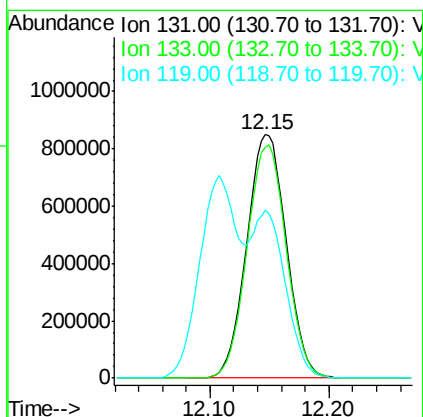
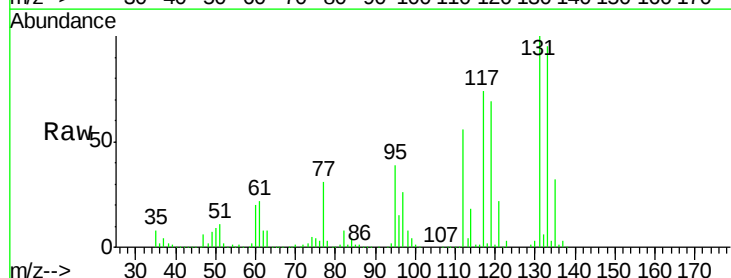
Instrument :
MSVOA_L
ClientSampleId :
VL0823ABS01

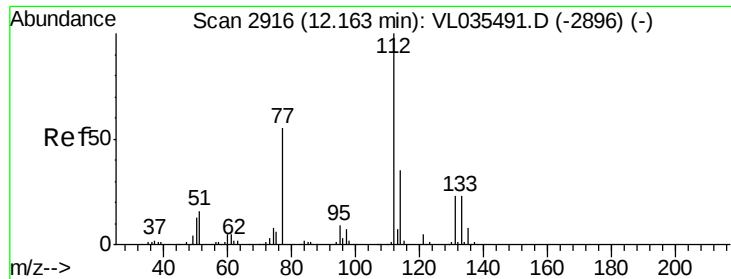
Tot Ion:117 Resp: 4770311
Ion Ratio Lower Upper
117 100
82 51.8 43.9 65.9
119 35.9 30.4 45.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.667 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion:131 Resp: 1954281
Ion Ratio Lower Upper
131 100
133 95.3 76.9 115.3
119 59.3 45.3 67.9

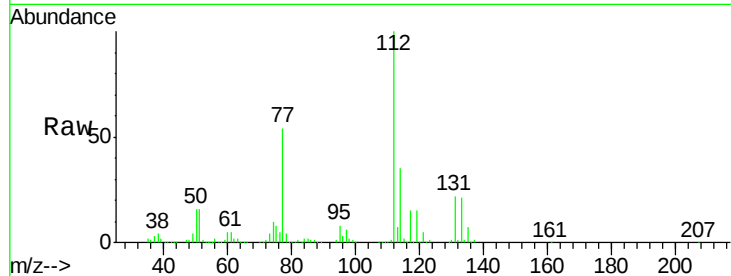




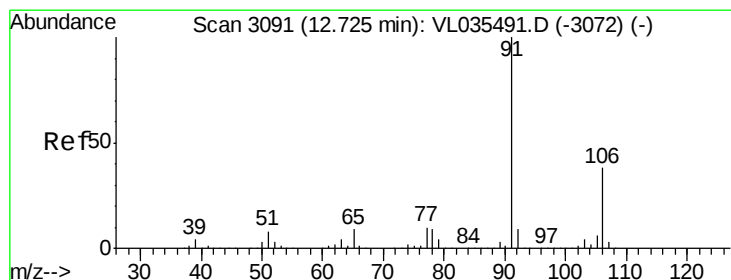
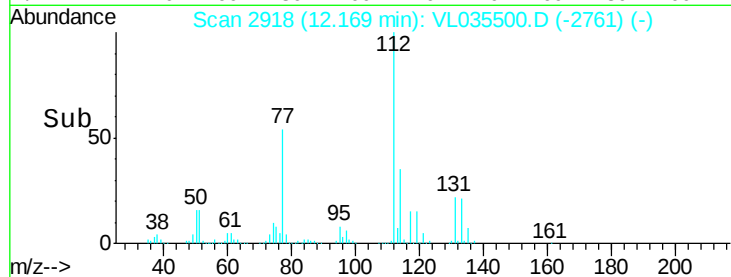
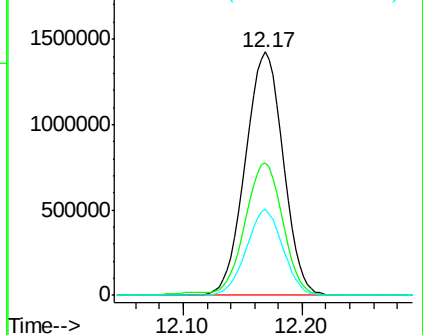
#57
Chlorobenzene
Concen: 8.742 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Instrument :
MSVOA_L
ClientSampleId :
VL0823ABS01

Tot Ion:112 Resp: 3140400
Ion Ratio Lower Upper
112 100
77 54.4 45.2 67.8
114 35.3 31.6 38.6

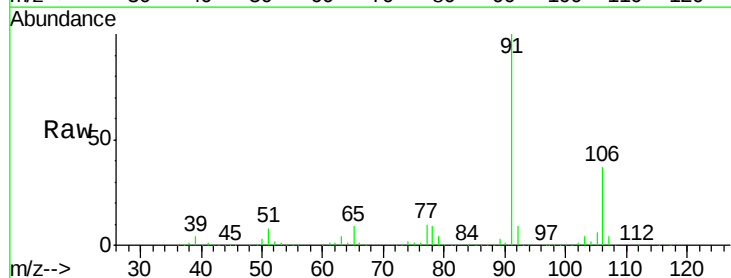


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

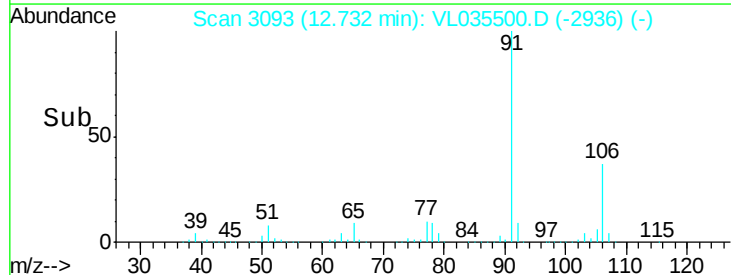
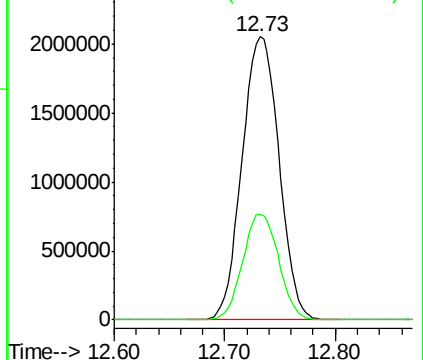


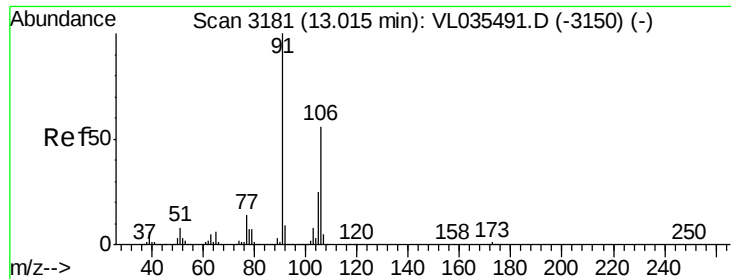
#58
Ethyl Benzene
Concen: 9.315 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion: 91 Resp: 4770844
Ion Ratio Lower Upper
91 100
106 37.5 30.2 45.2



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

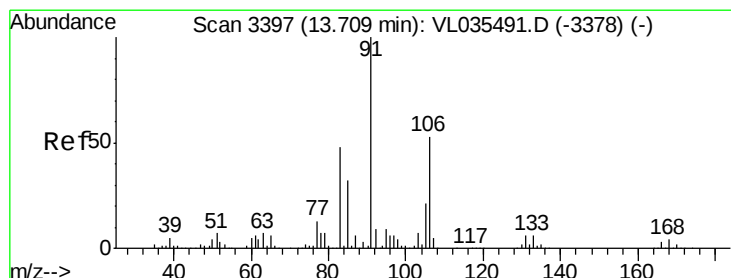
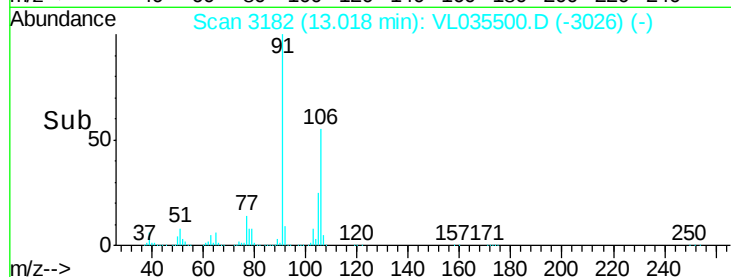
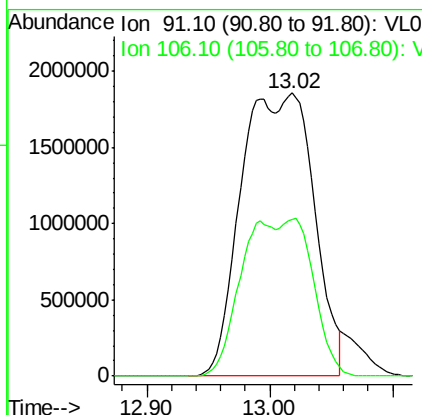
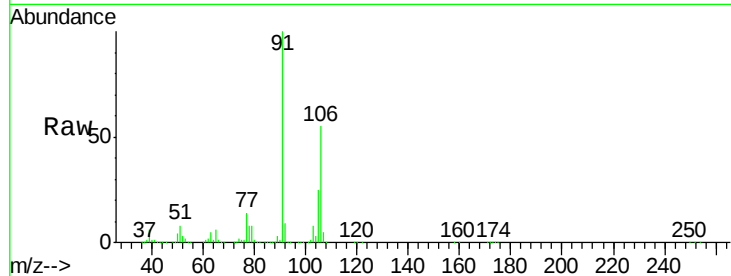




#59
m/p-Xylene
Concen: 17.490 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

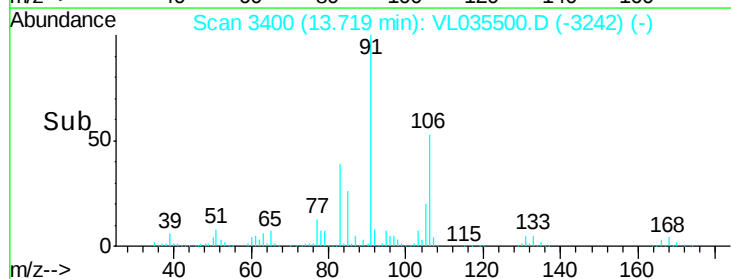
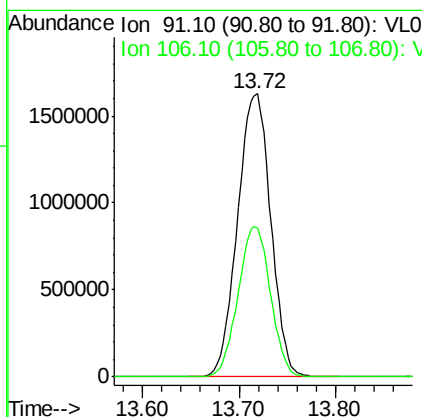
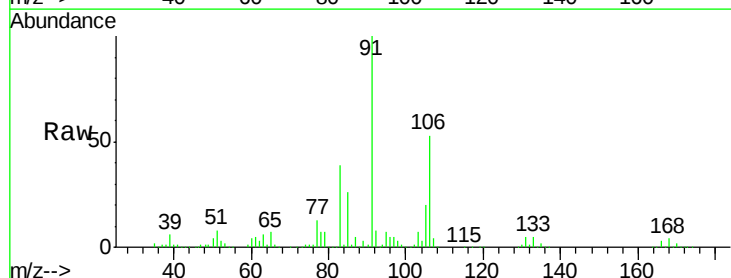
Instrument :
MSVOA_L
ClientSampleId :
VL0823ABS01

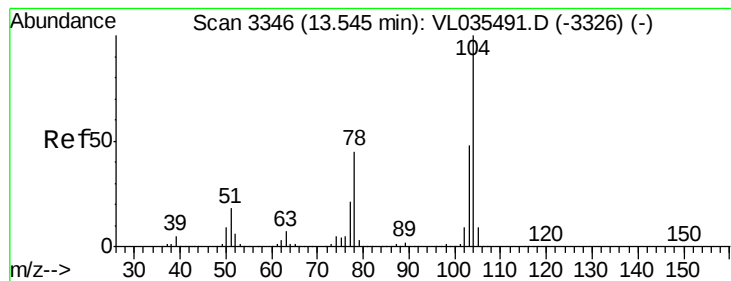
Tot Ion: 91 Resp: 7624408
Ion Ratio Lower Upper
91 100
106 54.1 42.6 63.8



#60
o-Xylene
Concen: 9.075 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion: 91 Resp: 3883110
Ion Ratio Lower Upper
91 100
106 51.8 25.9 77.7





#61

Stvrene

Concen: 9.876 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

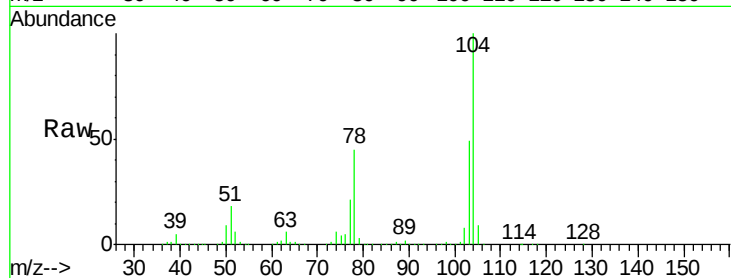
Tot Ion:104 Resp: 3257668

Ion Ratio Lower Upper

104 100

78 43.3 34.7 52.1

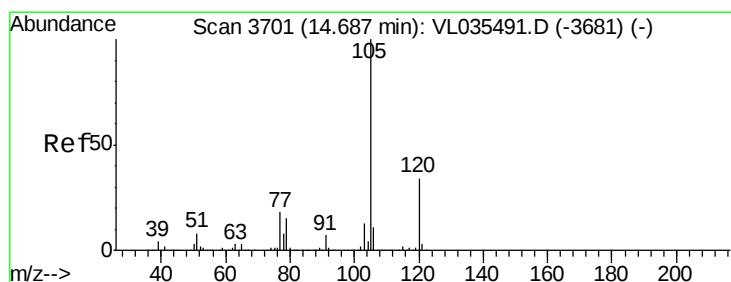
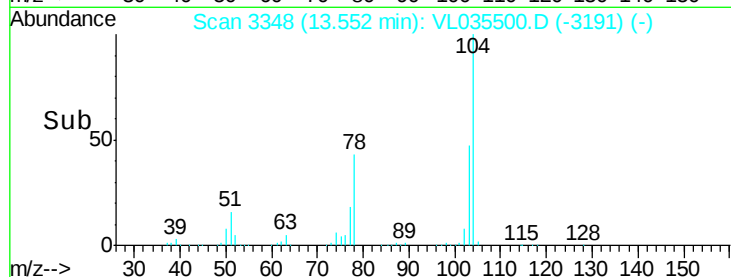
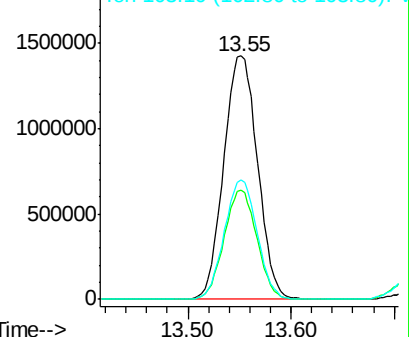
103 47.6 38.2 57.2



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: 8.843 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. 0.01 min

Lab File: VL035500.D

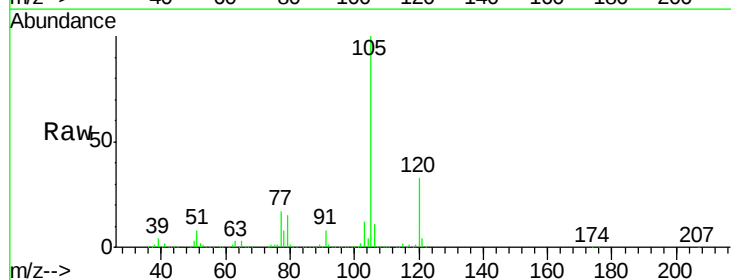
Acq: 23 Aug 2020 15:59

Tgt Ion:105 Resp: 6129796

Ion Ratio Lower Upper

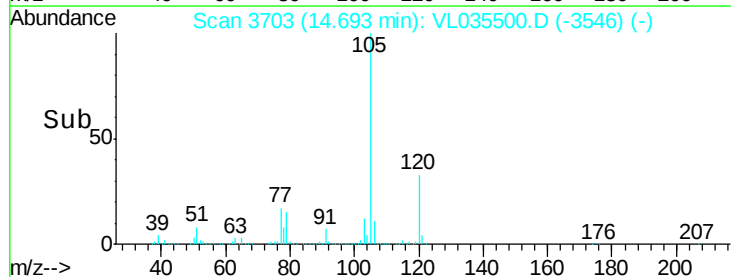
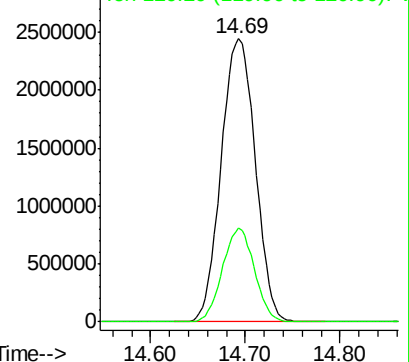
105 100

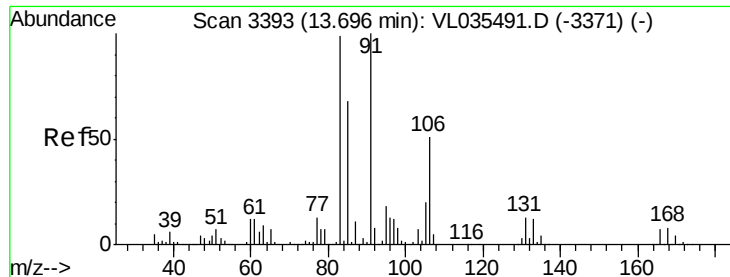
120 31.0 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

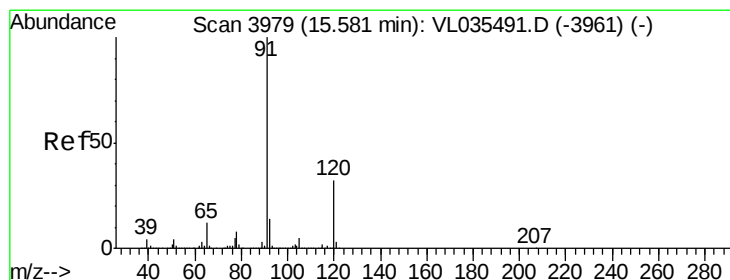
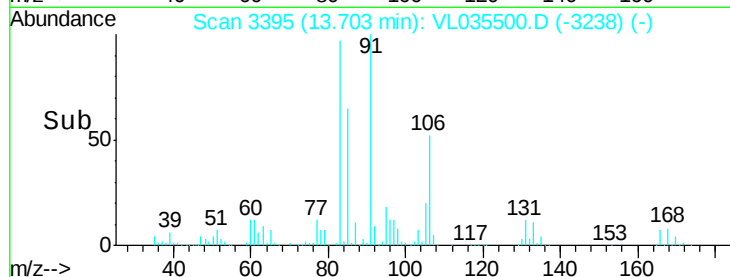
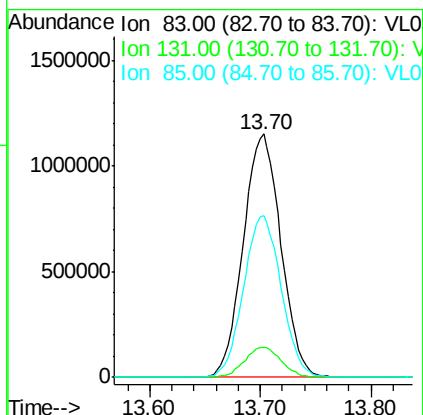
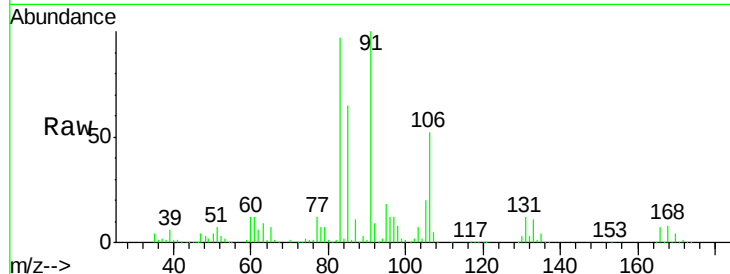




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.745 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

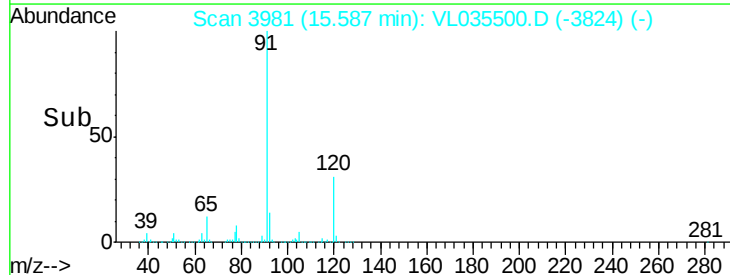
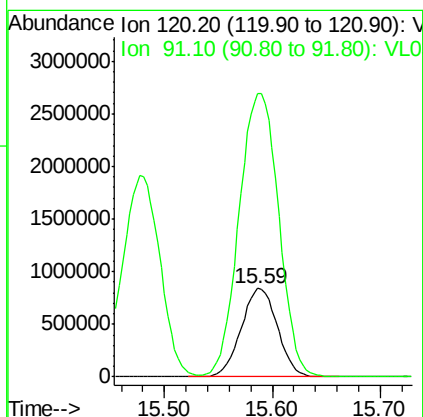
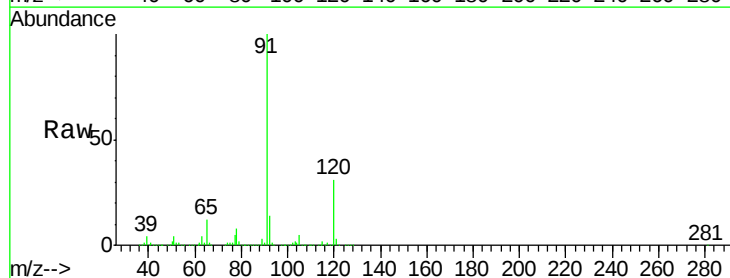
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0823ABS01

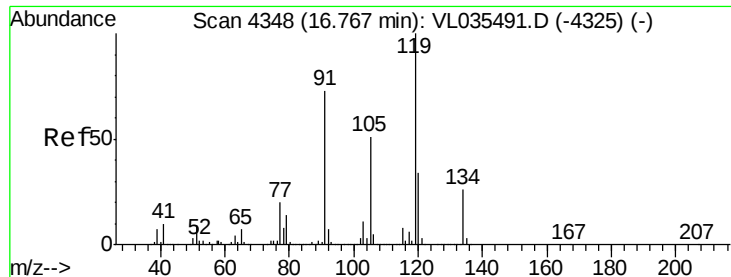
Tot Ion: 83 Resp: 2723064
 Ion Ratio Lower Upper
 83 100
 131 12.1 6.2 18.4
 85 66.6 33.4 100.2



#64
 n-propylbenzene
 Concen: 9.330 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

Tgt Ion:120 Resp: 1965439
 Ion Ratio Lower Upper
 120 100
 91 350.6 280.3 420.5

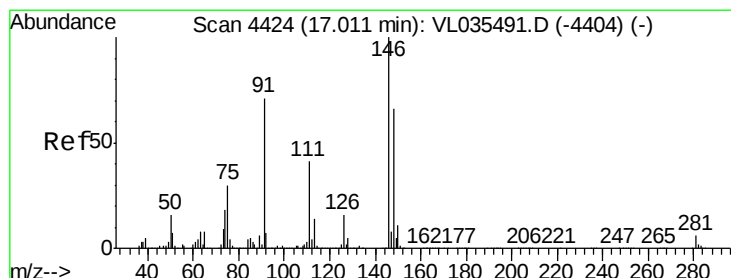
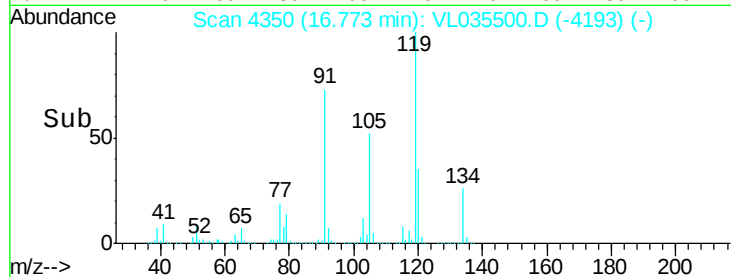
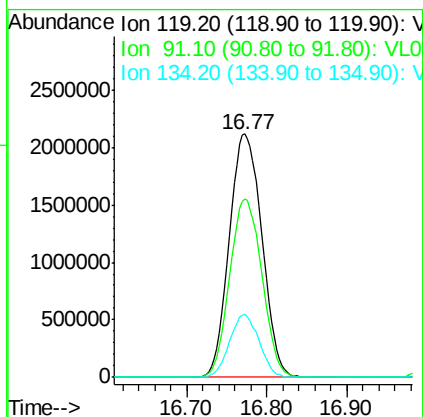
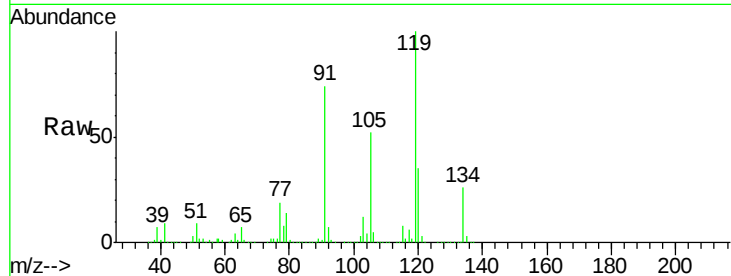




#65
tert-Butylbenzene
Concen: 8.914 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

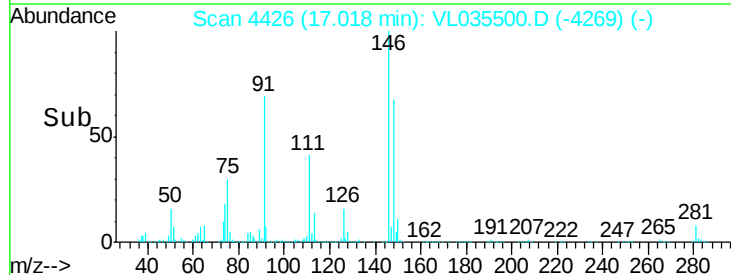
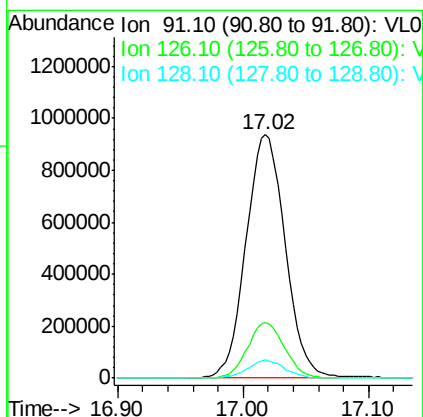
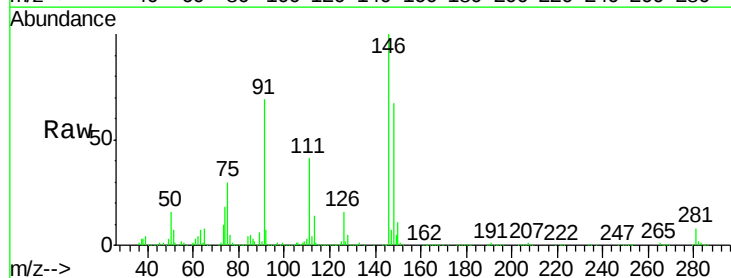
Instrument :
MSVOA_L
ClientSampleId :
VL0823ABS01

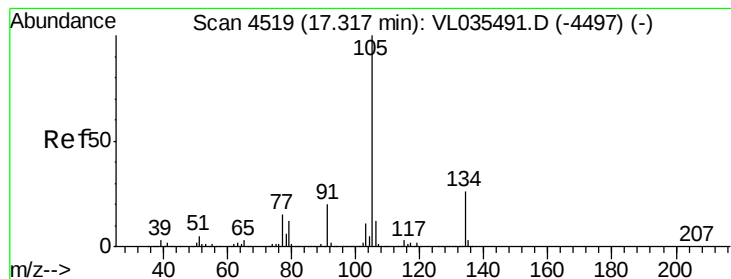
Tot Ion:119 Resp: 5872451
Ion Ratio Lower Upper
119 100
91 72.2 57.8 86.8
134 23.4 18.8 28.2



#66
Benzyl Chloride
Concen: 12.613 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. 0.01 min
Lab File: VL035500.D
Acq: 23 Aug 2020 15:59

Tgt Ion: 91 Resp: 2035038
Ion Ratio Lower Upper
91 100
126 21.8 17.3 25.9
128 6.9 5.6 8.4





#67

sec-Butylbenzene

Concen: 8.692 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

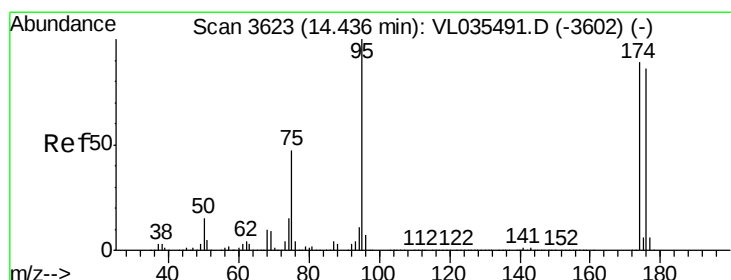
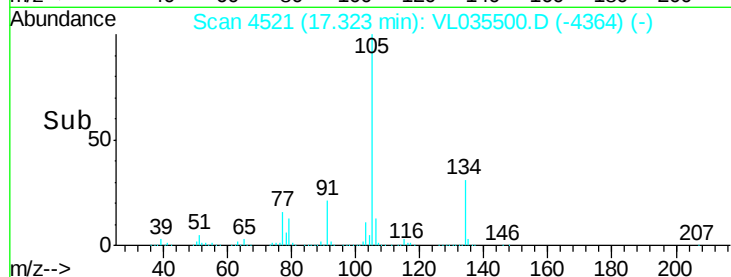
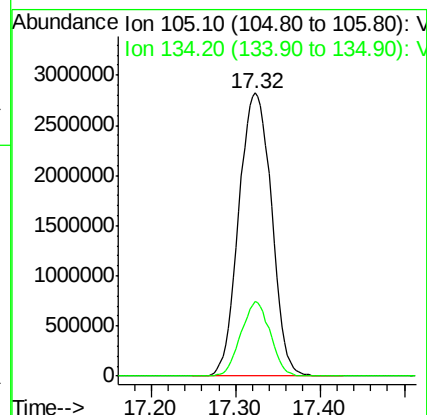
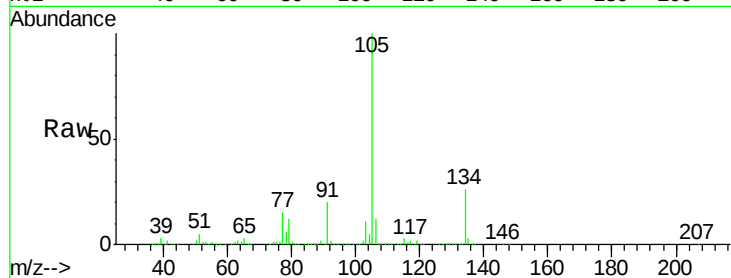
VL0823ABS01

Tot Ion:105 Resp: 7608474

Ion Ratio Lower Upper

105 100

134 23.7 19.1 28.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.656 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

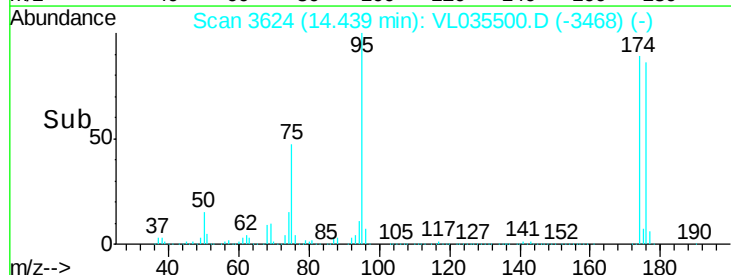
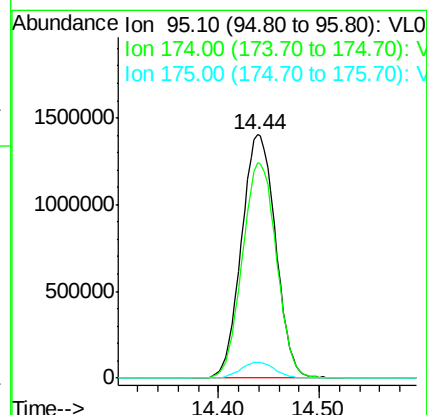
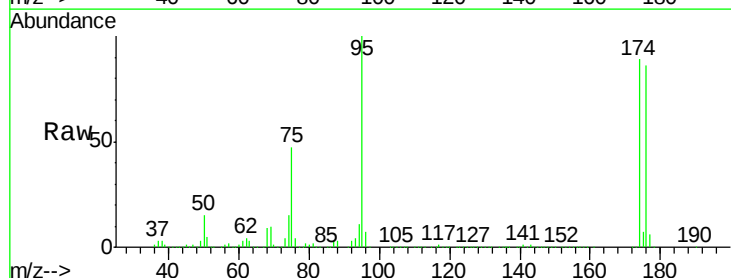
Tgt Ion: 95 Resp: 3291779

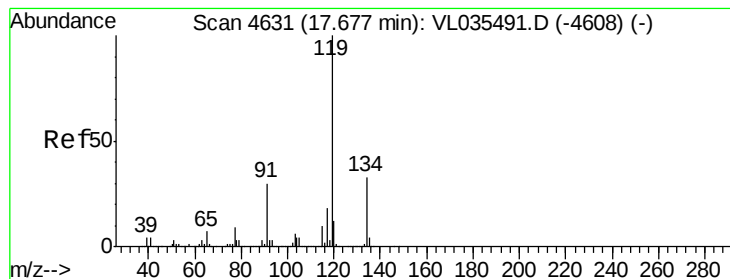
Ion Ratio Lower Upper

95 100

174 88.7 70.9 106.3

175 6.6 5.1 7.7





#69

p-Isopropyltoluene

Concen: 8.905 ppbv

RT: 17.68 min Scan# 4633

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

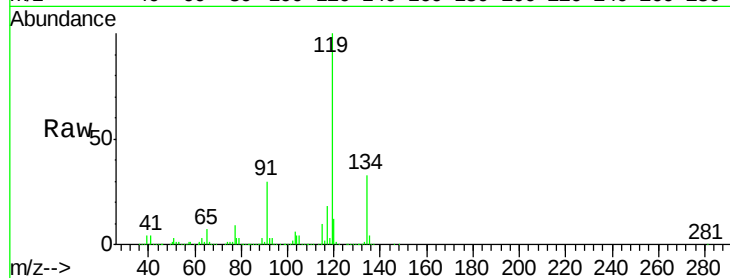
Tot Ion:119 Resp: 6793500

Ion Ratio Lower Upper

119 100

134 31.0 24.9 37.3

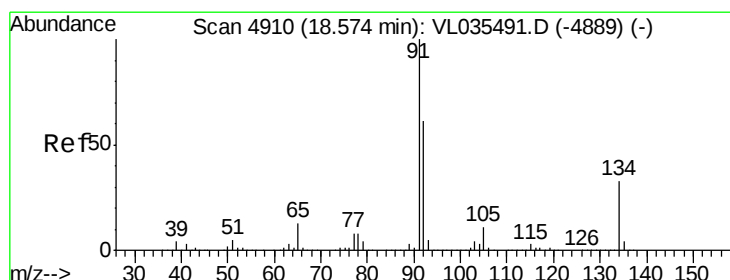
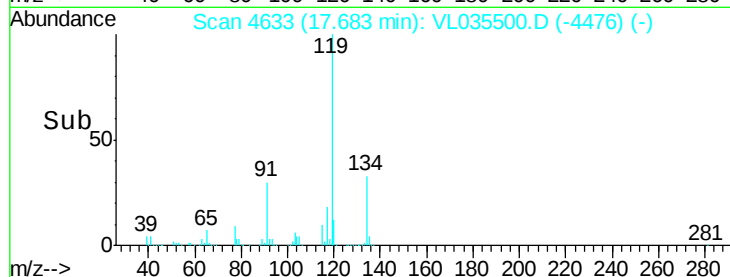
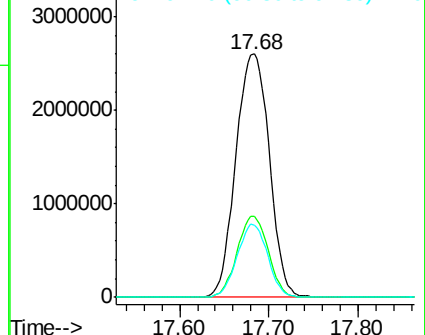
91 27.5 22.0 33.0



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.879 ppbv

RT: 18.58 min Scan# 4912

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

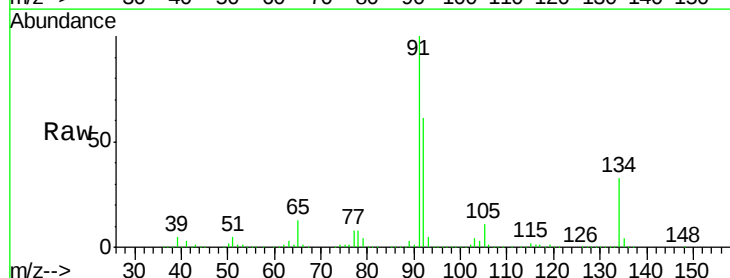
Tgt Ion: 91 Resp: 6494610

Ion Ratio Lower Upper

91 100

92 58.3 47.0 70.6

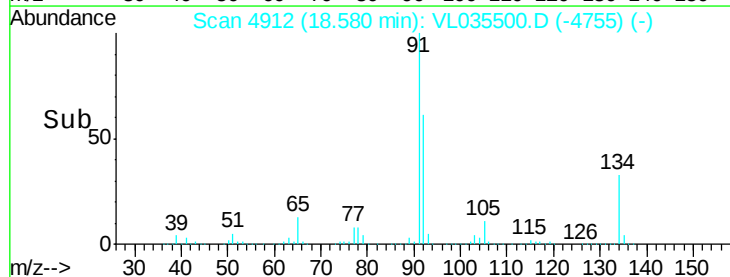
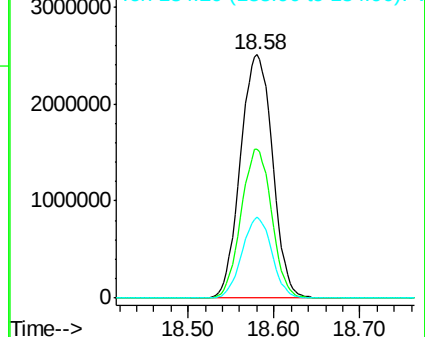
134 30.9 24.9 37.3

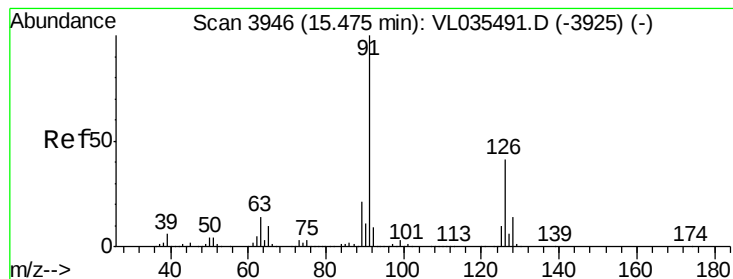


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

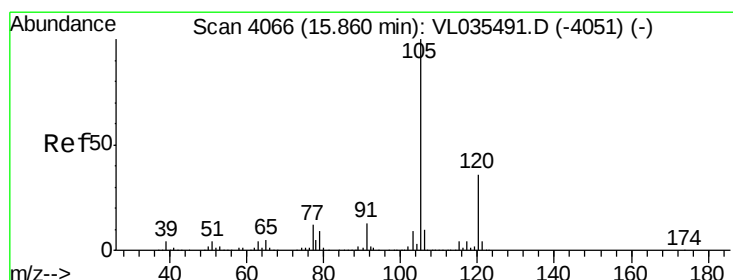
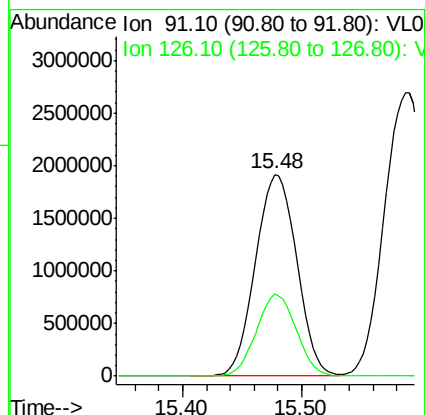
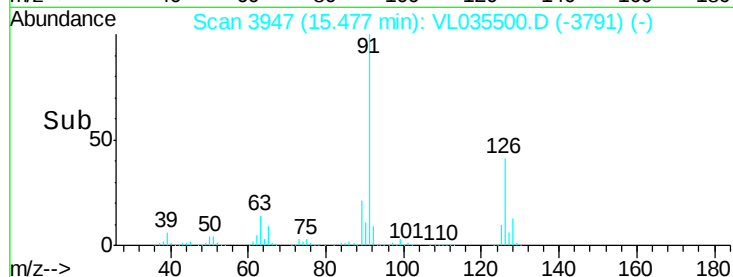
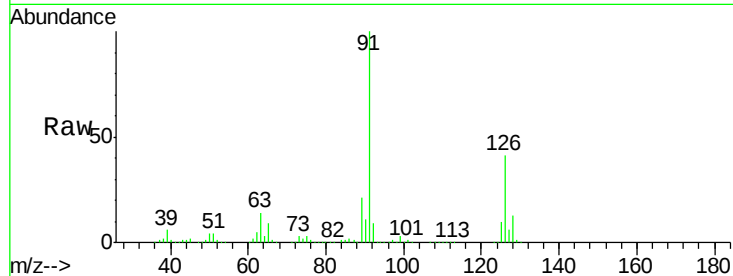




#71
 2-Chlorotoluene
 Concen: 9.211 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. 0.00 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

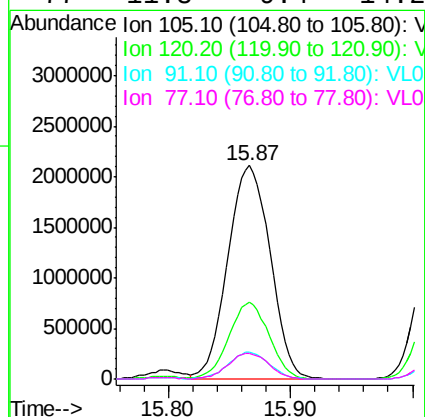
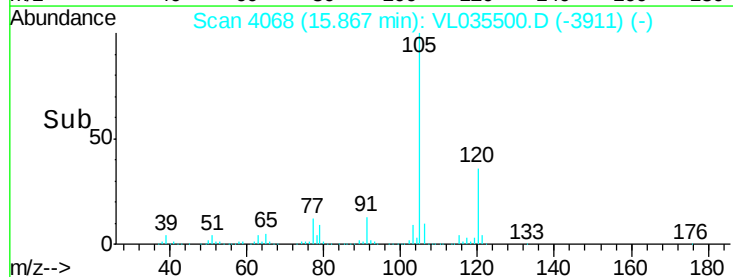
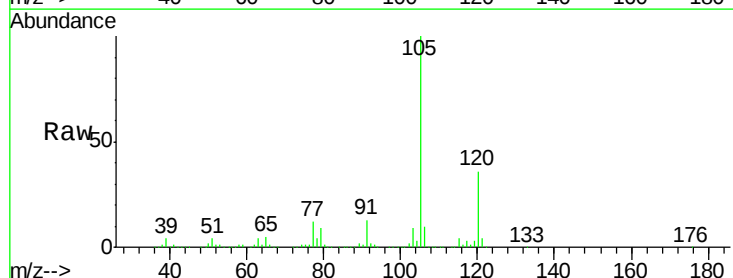
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0823ABS01

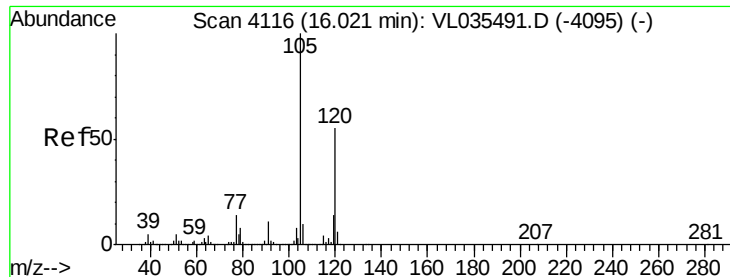
Tot Ion: 91 Resp: 4612767
 Ion Ratio Lower Upper
 91 100
 126 39.2 15.8 63.0



#72
 4-Ethyltoluene
 Concen: 9.303 ppbv
 RT: 15.87 min Scan# 4068
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

Tgt Ion: 105 Resp: 5081727
 Ion Ratio Lower Upper
 105 100
 120 34.3 27.4 41.0
 91 11.9 9.5 14.3
 77 11.8 9.4 14.2





#73

1,3,5-Trimethylbenzene

Concen: 9.319 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

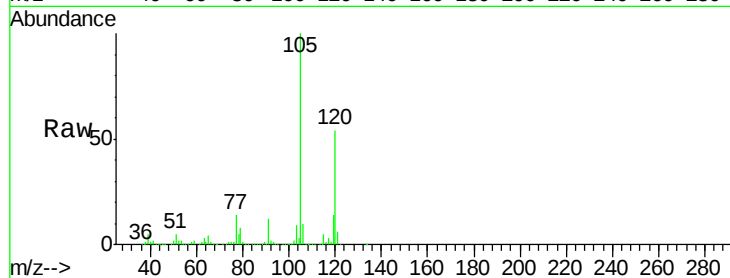
VL0823ABS01

Tot Ion:105 Resp: 4715339

Ion Ratio Lower Upper

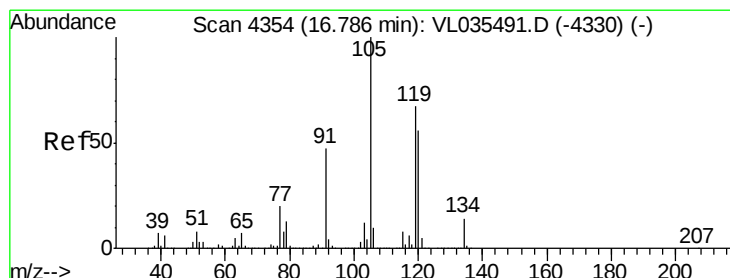
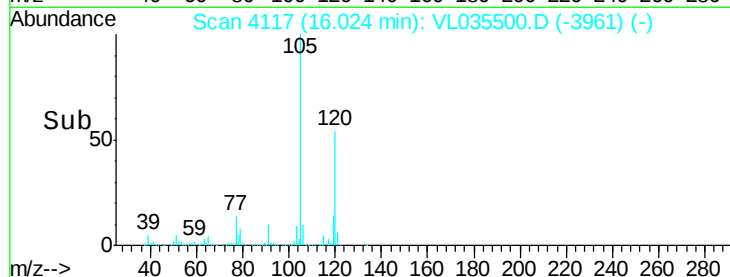
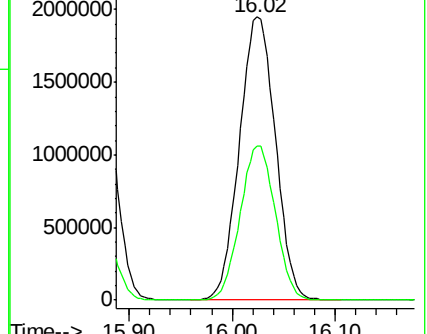
105 100

120 54.3 43.9 65.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.850 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Tgt Ion:105 Resp: 4905283

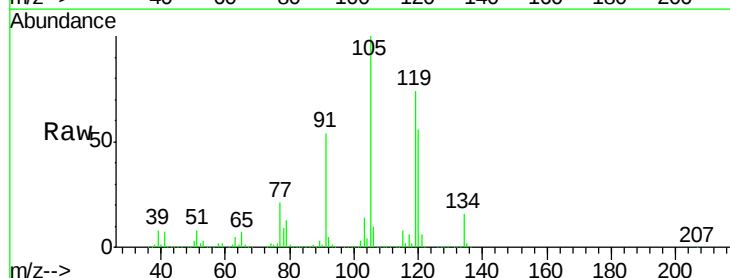
Ion Ratio Lower Upper

105 100

120 56.1 44.7 67.1

91 53.6 37.5 56.3

77 20.7 16.2 24.2

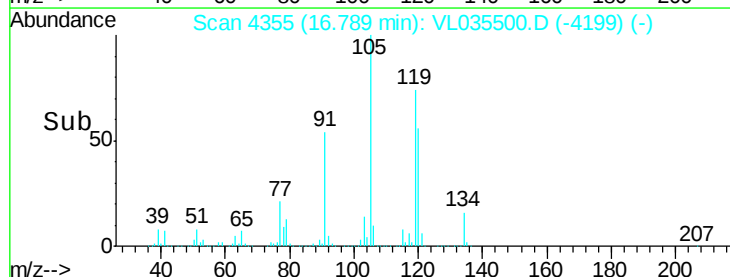
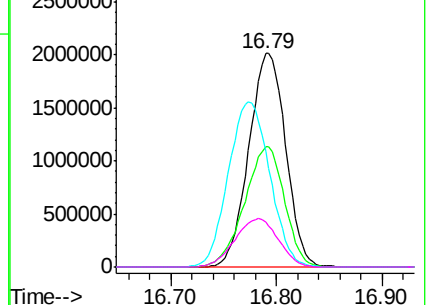


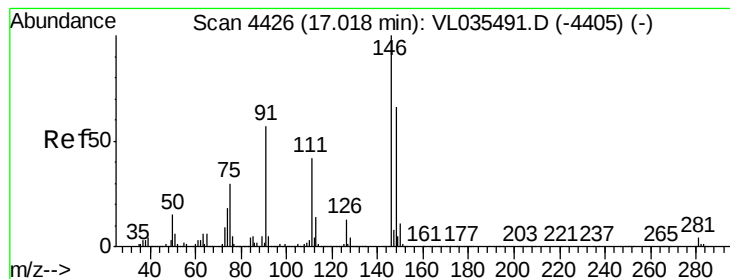
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 8.760 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

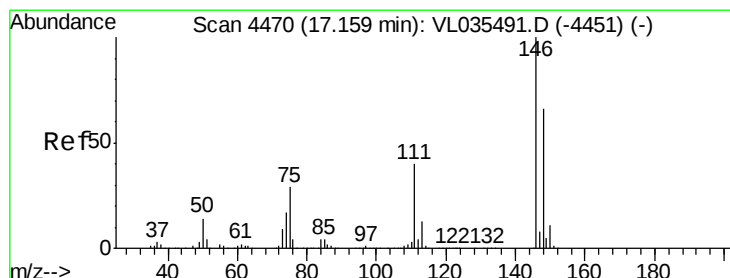
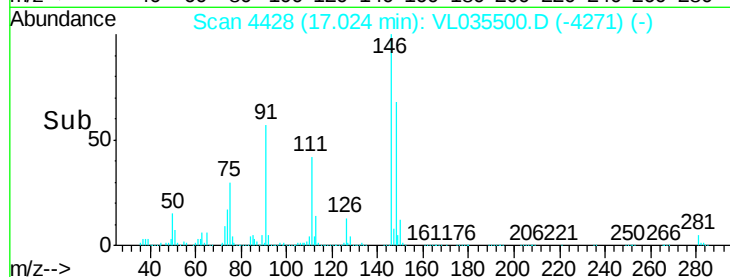
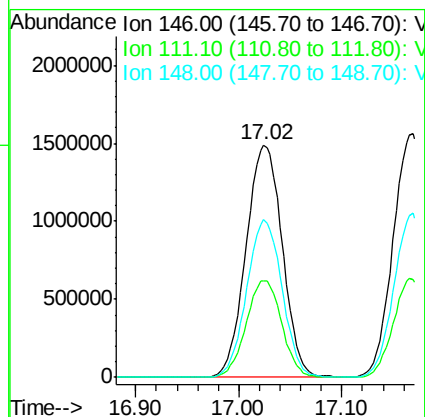
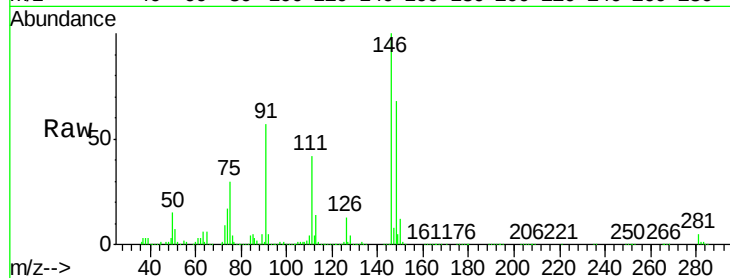
Tot Ion:146 Resp: 3640347

Ion Ratio Lower Upper

146 100

111 40.7 20.3 61.0

148 66.1 33.1 99.5



#76

1,4-Dichlorobenzene

Concen: 8.911 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

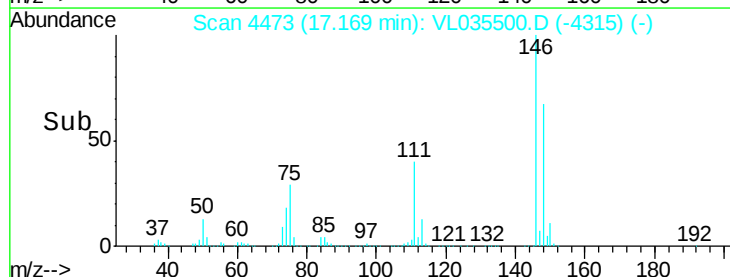
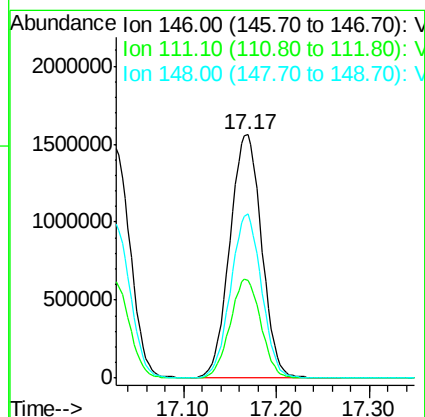
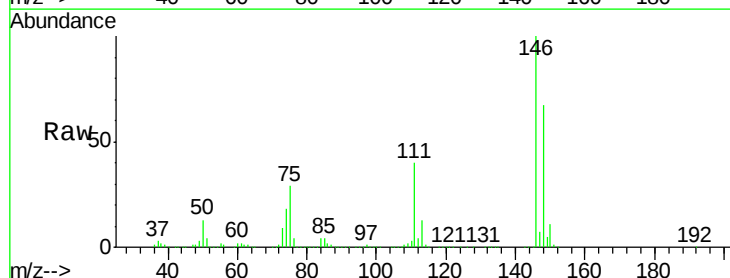
Tgt Ion:146 Resp: 3707072

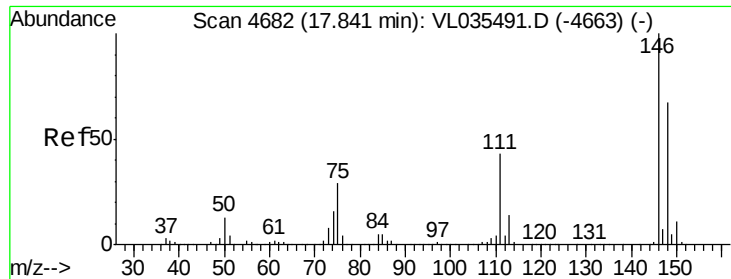
Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.8

148 65.8 32.8 98.3

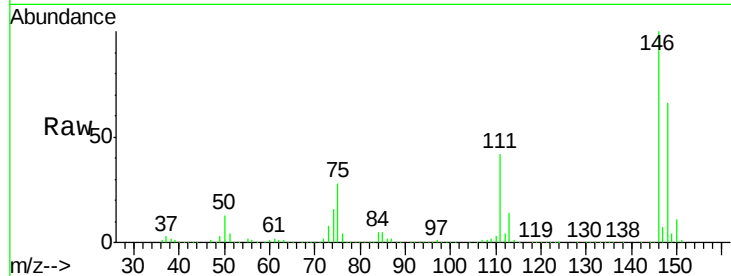




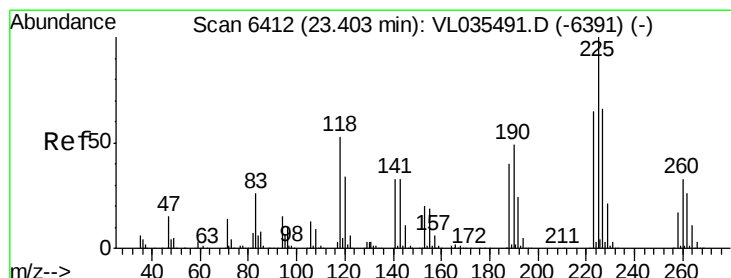
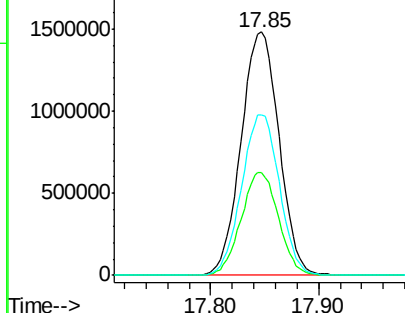
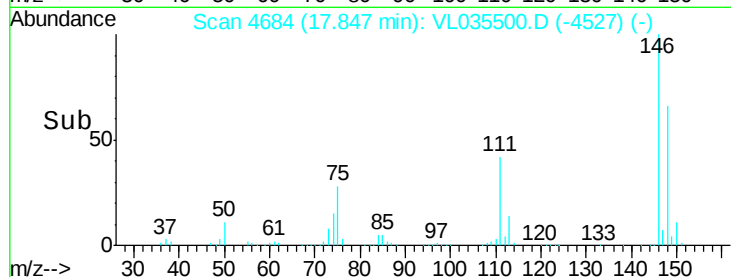
#77
 1,2-Dichlorobenzene
 Concen: 8.847 ppbv
 RT: 17.85 min Scan# 4684
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0823ABS01

Tot Ion:146 Resp: 3626504
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.0 63.0
 148 65.9 33.0 98.9

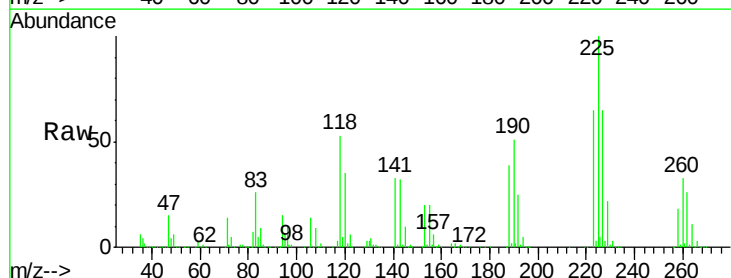


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

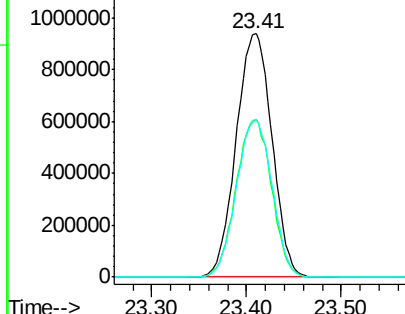
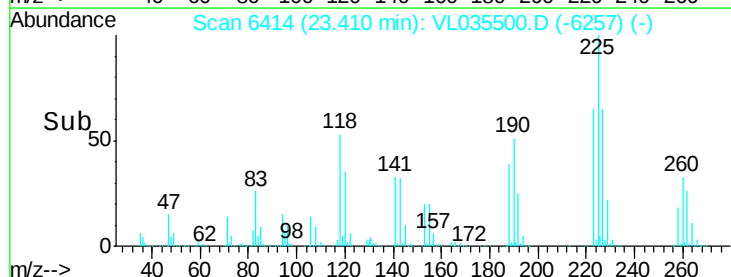


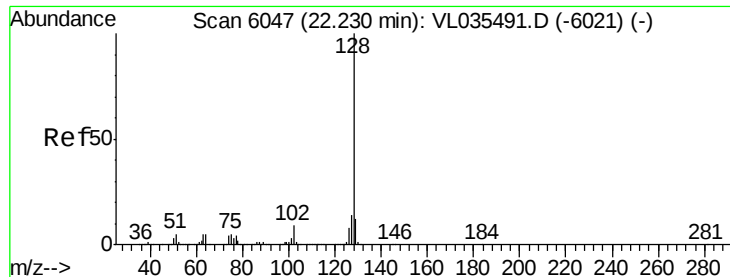
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.686 ppbv
 RT: 23.41 min Scan# 6414
 Delta R.T. 0.01 min
 Lab File: VL035500.D
 Acq: 23 Aug 2020 15:59

Tgt Ion:225 Resp: 2470865
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.4 77.2
 227 64.7 51.7 77.5



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: 9.435 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

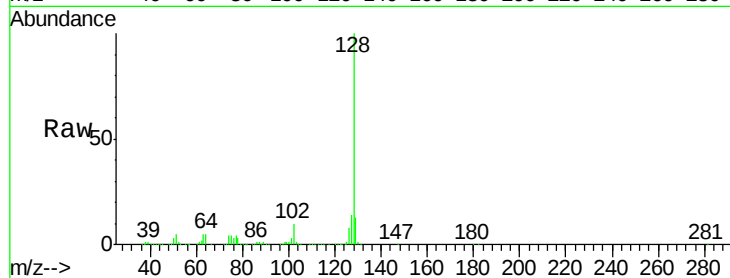
Tot Ion:128 Resp: 6578055

Ion Ratio Lower Upper

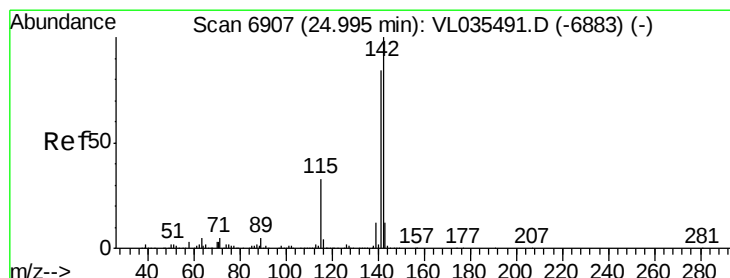
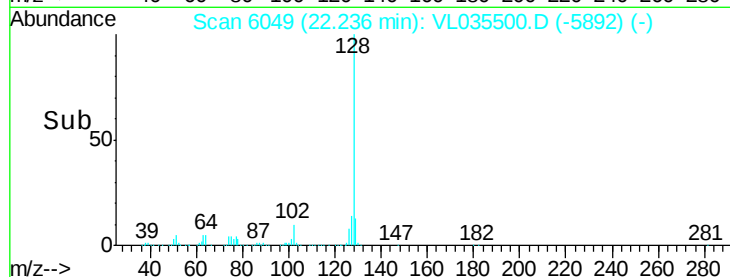
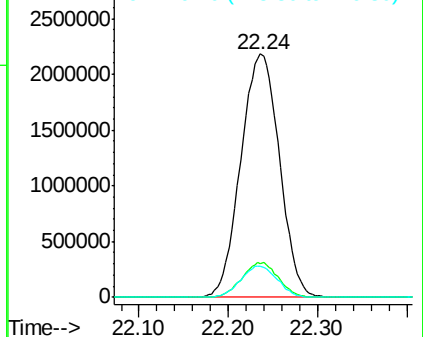
128 100

127 14.0 11.4 17.0

129 12.5 9.8 14.6



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.390 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. 0.00 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

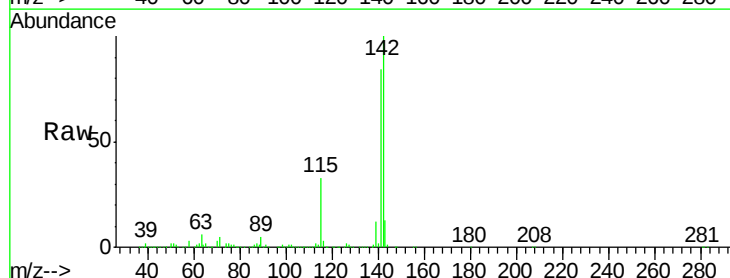
Tgt Ion:142 Resp: 2899935

Ion Ratio Lower Upper

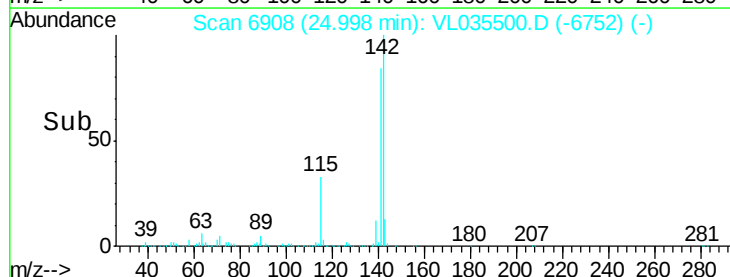
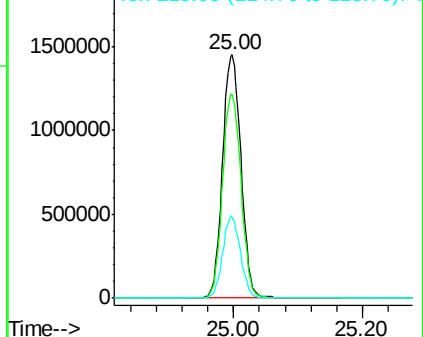
142 100

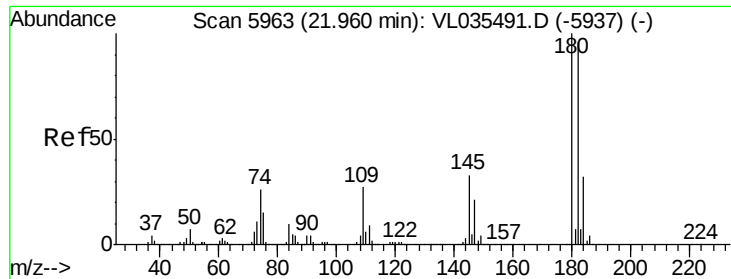
141 84.5 67.1 100.7

115 32.3 25.6 38.4



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: 9.148 ppbv

RT: 21.97 min Scan# 5965

Delta R.T. 0.01 min

Lab File: VL035500.D

Acq: 23 Aug 2020 15:59

Instrument :

MSVOA_L

ClientSampleId :

VL0823ABS01

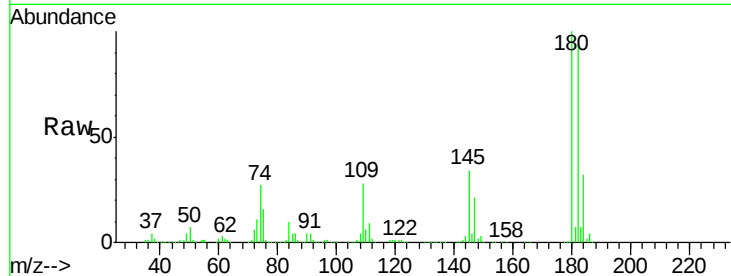
Tot Ion:180 Resp: 3749590

Ion Ratio Lower Upper

180 100

182 95.2 76.6 115.0

184 31.6 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

