

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
 Data File : VL035792.D
 Acq On : 19 Oct 2020 12:48
 Operator : SY/AP
 Sample : VL1019ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1019ABS01

Quant Time: Oct 20 08:18:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1182516	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	4463574	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4713344m	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3344384	9.47	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1763793	9.090	ppbv 100
3) Chlorodifluoromethane	2.97	51	1142264	8.979	ppbv 100
4) Chloromethane	3.12	50	609690	8.921	ppbv 99
5) Vinyl Chloride	3.23	62	707400	8.751	ppbv 100
6) Bromomethane	3.45	94	601100	8.797	ppbv 100
7) Chloroethane	3.54	64	265623	8.960	ppbv 100
8) Dichlorotetrafluoroethane	3.17	85	2031331	8.631	ppbv 99
9) Propene	2.99	41	433052	9.375	ppbv 100
10) Heptane	8.11	43	1291819	10.032	ppbv 100
11) Trichlorofluoromethane	3.93	101	2419984	8.741	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1803842	8.740	ppbv 98
13) Ethanol	3.58	45	87853	7.713	ppbv 98
14) Bromoethene	3.72	108	787478	9.059	ppbv 100
15) Acetone	3.83	43	1019459	8.012	ppbv 99
16) 1,3-Butadiene	3.30	39	451826	9.706	ppbv 98
17) tert-Butyl alcohol	4.27	59	1386824	10.006	ppbv 100
18) 1,1-Dichloroethene	4.27	96	831518	9.202	ppbv 98
19) Isopropyl Alcohol	3.94	45	648945	9.376	ppbv 98
20) Methylene Chloride	4.32	84	676766	7.241	ppbv 98
21) Allyl Chloride	4.39	41	598924	9.711	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	861702	9.027	ppbv 98
23) Vinyl Acetate	5.05	43	1532325	9.832	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1506602	8.875	ppbv 99
25) Ethyl Acetate	5.66	43	2099789	9.171	ppbv 100
26) Hexane	5.67	57	1144333	9.121	ppbv 98
27) Carbon Disulfide	4.53	76	1870524	10.002	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1978754	9.949	ppbv 100
29) Chloroform	5.74	83	2299077	9.023	ppbv 99
30) Cyclohexane	7.11	84	1243019	10.042	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1201718	9.922	ppbv 98
32) 1,1,1-Trichloroethane	6.49	97	2257785	10.052	ppbv 99
34) 2-Butanone	5.22	43	1434214	9.715	ppbv 99
35) Carbon Tetrachloride	7.00	117	2305714	9.908	ppbv 99
36) Benzene	6.88	78	2867004	9.857	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1437440	9.483	ppbv 99
38) Trichloroethene	7.82	130	1408110	9.705	ppbv 100
39) 1,2-Dichloropropane	7.60	63	1009811	9.579	ppbv 98
40) 1,4-Dioxane	7.81	88	475742	9.868	ppbv 96
41) Tetrahydrofuran	6.03	42	801908	10.782	ppbv 98
42) Bromodichloromethane	7.78	83	2422524	9.921	ppbv 100
43) Methyl Methacrylate	8.00	69	1222294	10.567	ppbv 98

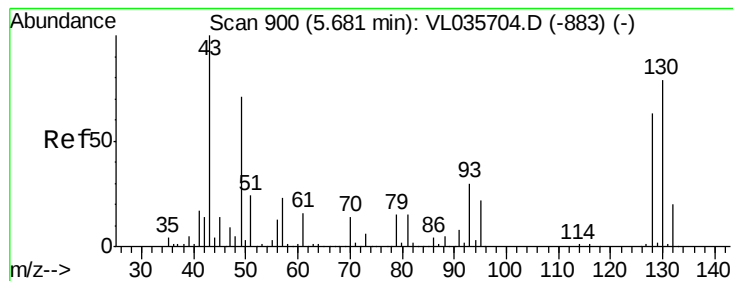
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
 Data File : VL035792.D
 Acq On : 19 Oct 2020 12:48
 Operator : SY/AP
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3964730	9.500	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1384691	11.857	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1637090	11.372	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1388746	9.197	ppbv	97
48) Dibromochloromethane	10.29	129	2337895	10.173	ppbv	100
49) Bromoform	13.03	173	2060180	10.565	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2156559	10.001	ppbv	99
51) 2-Hexanone	10.12	43	1817270	10.460	ppbv	99
52) Tetrachloroethene	11.21	164	1325517	9.477	ppbv	97
53) Toluene	9.80	91	3581370	10.442	ppbv	100
54) 1,2-Dibromoethane	10.60	107	2196494	9.715	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1823185	9.225	ppbv	95
57) Chlorobenzene	12.14	112	3018559	8.479	ppbv	98
58) Ethyl Benzene	12.71	91	4716958	9.971	ppbv	98
59) m/p-Xylene	12.99	91	8138889m	19.700	ppbv	
60) o-Xylene	13.69	91	3962646	9.482	ppbv	99
61) Styrene	13.52	104	3064143	10.604	ppbv	100
62) Isopropylbenzene	14.66	105	5951987	9.182	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2889935	8.433	ppbv	99
64) n-propylbenzene	15.56	120	1811599	9.549	ppbv	96
65) tert-Butylbenzene	16.75	119	5498942	9.331	ppbv	100
66) Benzyl Chloride	16.99	91	2068430	11.584	ppbv	99
67) sec-Butylbenzene	17.29	105	7404508	9.098	ppbv	99
69) p-Isopropyltoluene	17.65	119	6231005	9.411	ppbv	99
70) n-Butylbenzene	18.55	91	6274995	9.203	ppbv	99
71) 2-Chlorotoluene	15.45	91	4574412	9.675	ppbv	99
72) 4-Ethyltoluene	15.84	105	4868724	9.834	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4509616	9.639	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4729152	8.967	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	3072981	8.535	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3108332	9.031	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	3002155	8.828	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1622489	8.647	ppbv	100
79) Naphthalene	22.20	128	4603133	9.151	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1216423	10.253	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	2339600	8.975	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.03 min

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VL1019ABS01

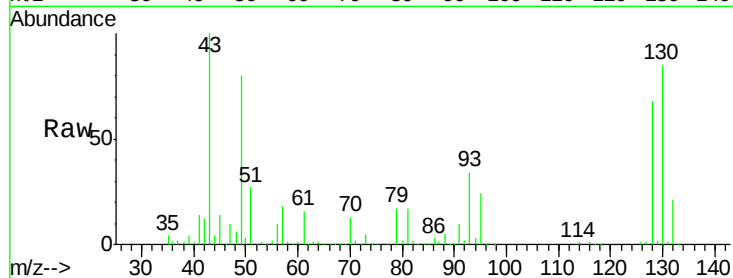
Tot Ion: 49 Resp: 1182516

Ion Ratio Lower Upper

49 100

128 82.5 43.1 129.4

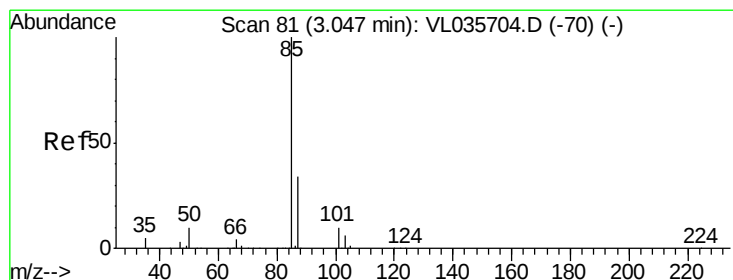
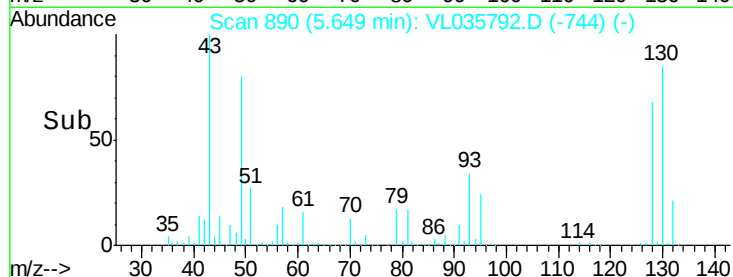
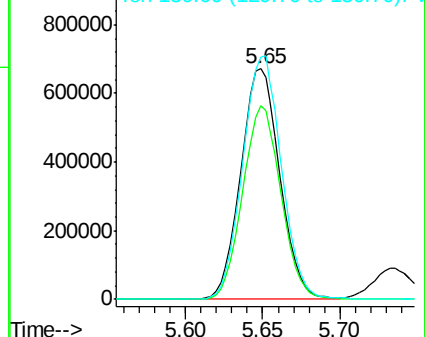
130 105.4 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.090 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035792.D

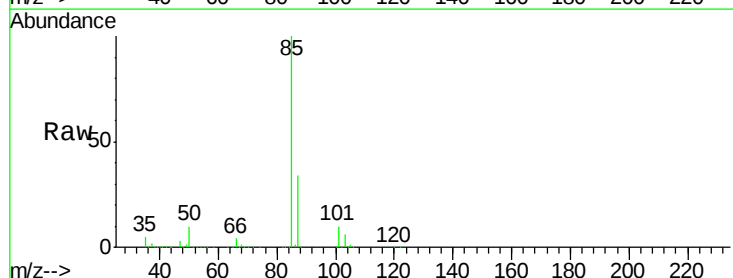
Acq: 19 Oct 2020 12:48

Tgt Ion: 85 Resp: 1763793

Ion Ratio Lower Upper

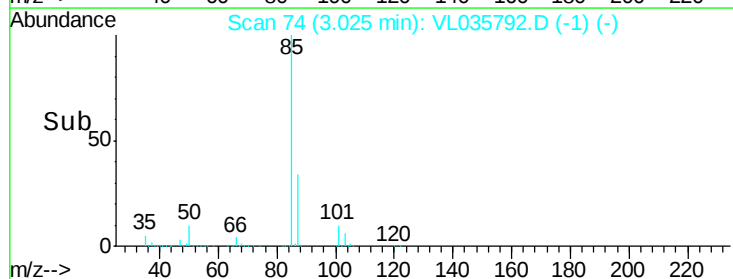
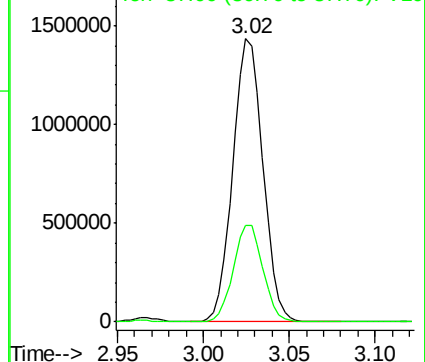
85 100

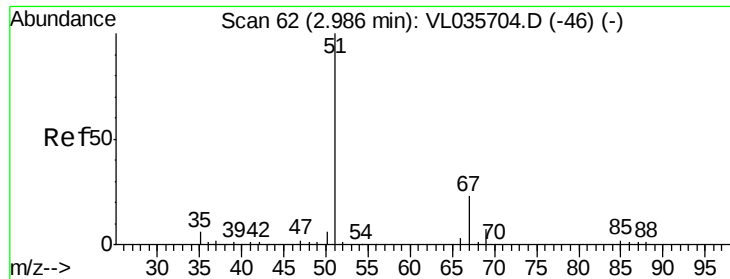
87 34.3 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.979 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

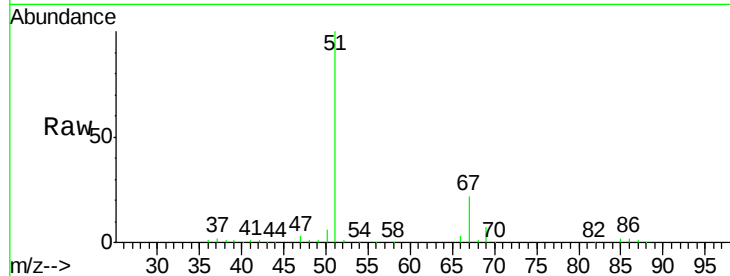
VL1019ABS01

Tot Ion: 51 Resp: 1142264

Ion Ratio Lower Upper

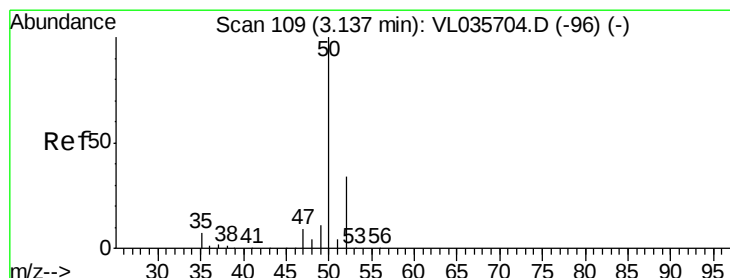
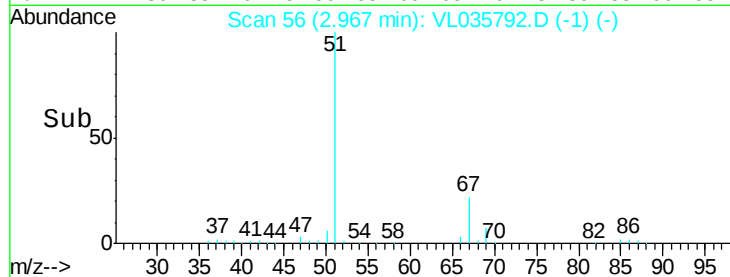
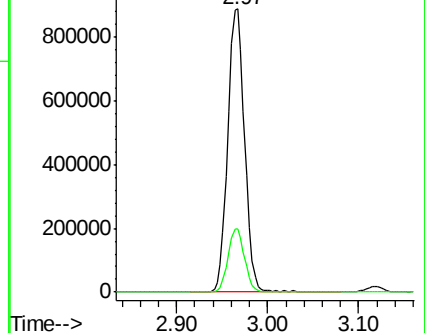
51 100

67 22.1 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.921 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL035792.D

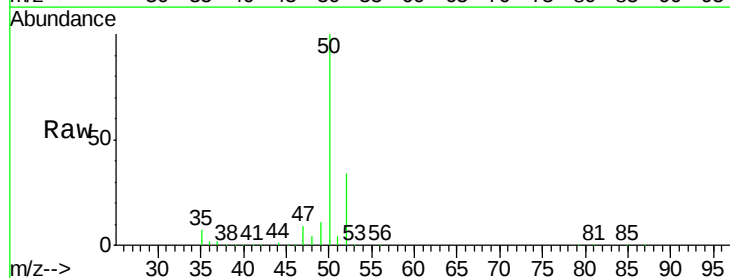
Acq: 19 Oct 2020 12:48

Tgt Ion: 50 Resp: 609690

Ion Ratio Lower Upper

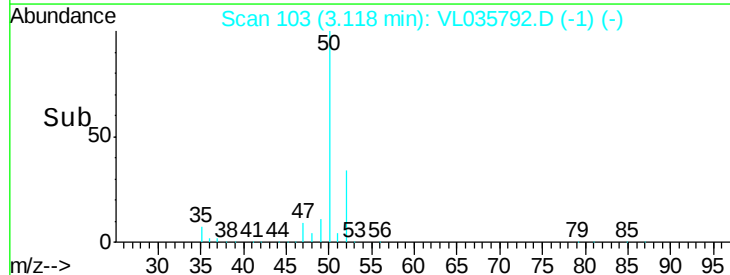
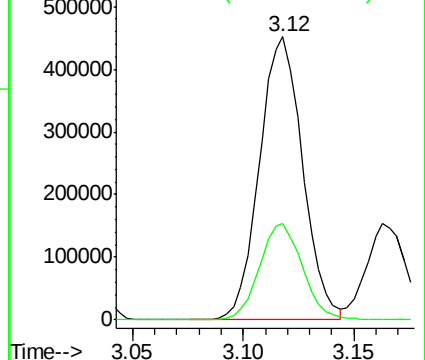
50 100

52 34.3 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.751 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.02 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

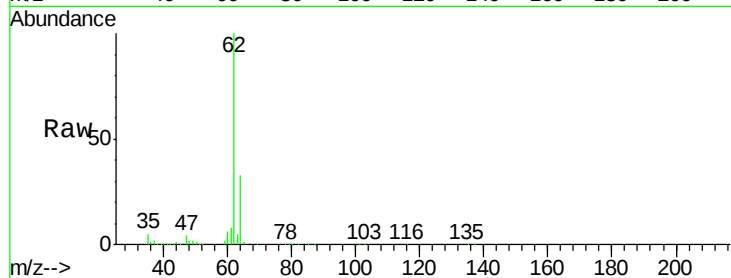
VL1019ABS01

Tot Ion: 62 Resp: 707400

Ion Ratio Lower Upper

62 100

64 33.4 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

600000

500000

400000

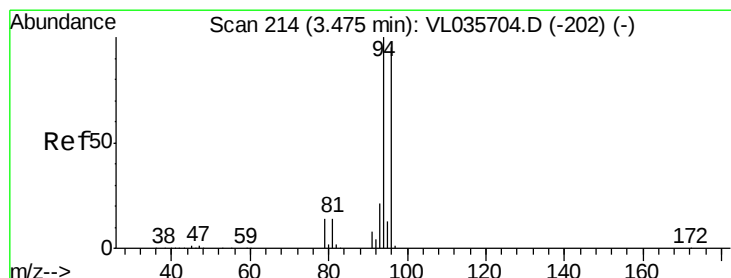
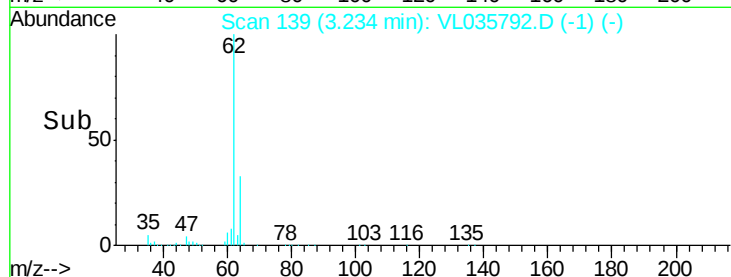
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.797 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.03 min

Lab File: VL035792.D

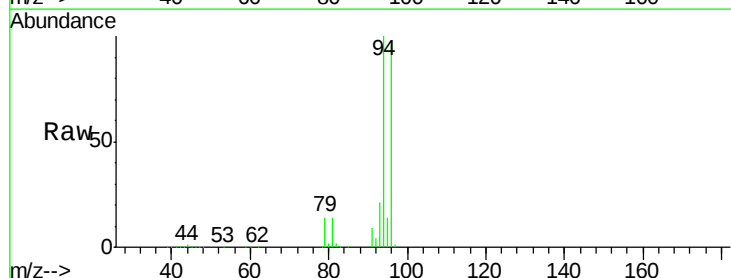
Acq: 19 Oct 2020 12:48

Tgt Ion: 94 Resp: 601100

Ion Ratio Lower Upper

94 100

96 95.6 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

500000

400000

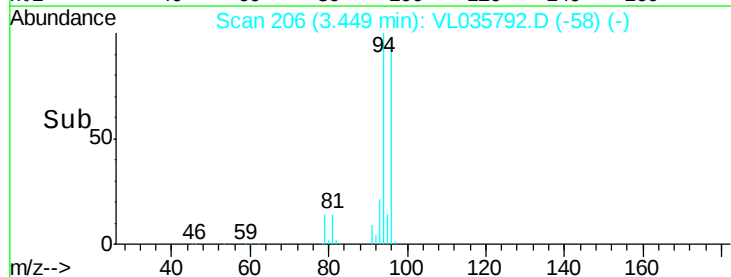
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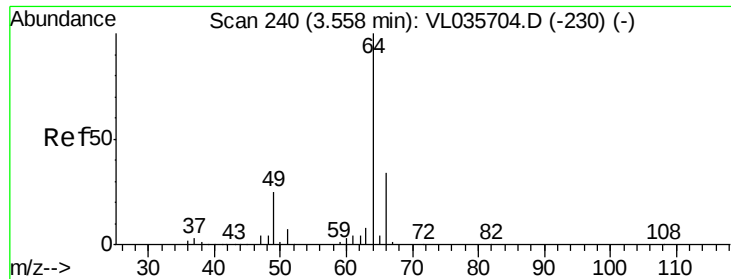
200000

100000

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Time-->





#7

Chloroethane

Concen: 8.960 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

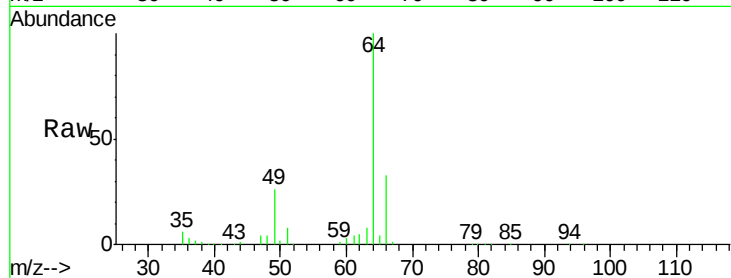
VL1019ABS01

Tot Ion: 64 Resp: 265623

Ion Ratio Lower Upper

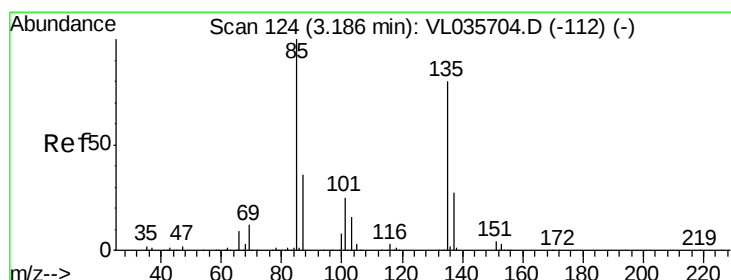
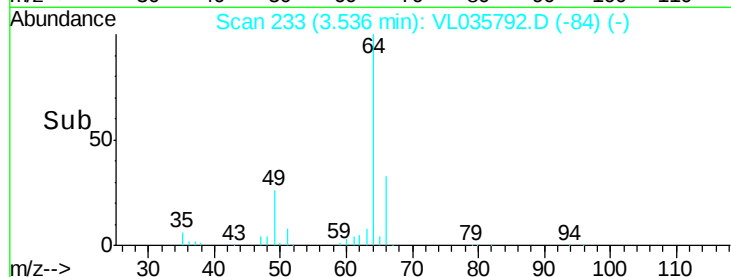
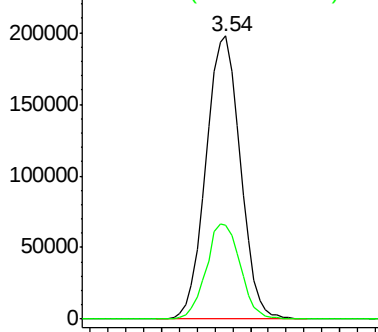
64 100

66 33.3 26.9 40.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.631 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL035792.D

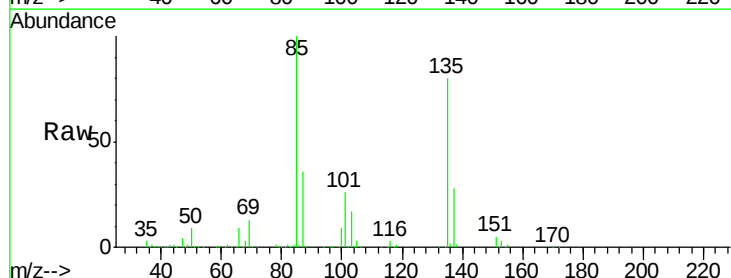
Acq: 19 Oct 2020 12:48

Tgt Ion: 85 Resp: 2031331

Ion Ratio Lower Upper

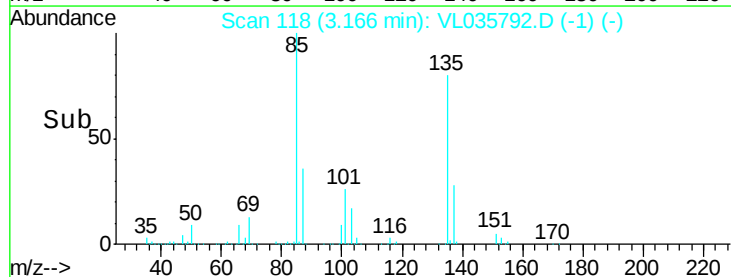
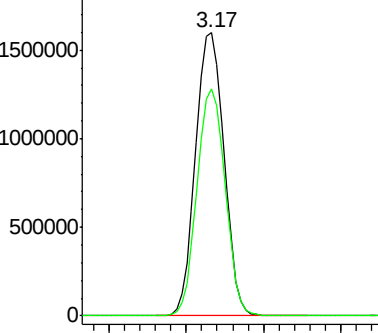
85 100

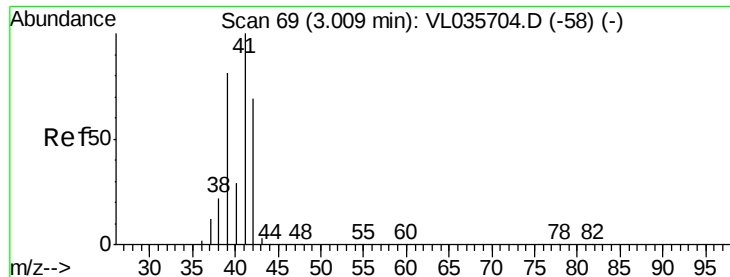
135 79.5 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.375 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.02 min

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ClientSampleId :

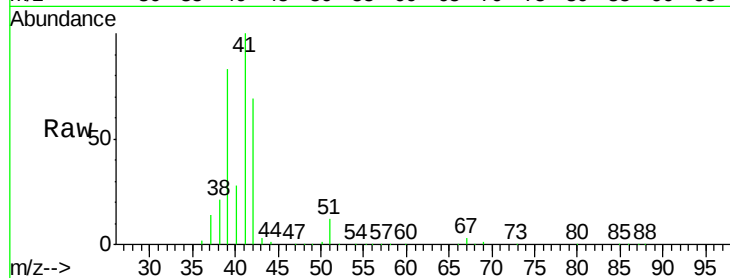
VL1019ABS01

Tot Ion: 41 Resp: 433052

Ion Ratio Lower Upper

41 100

42 70.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

400000

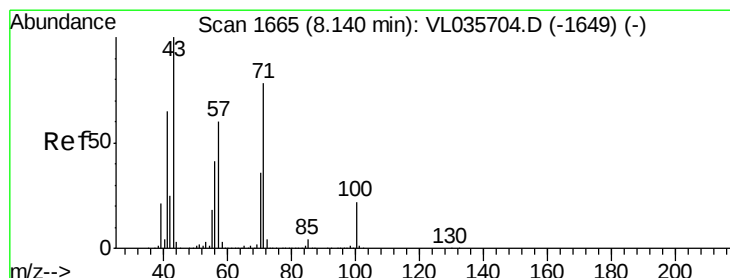
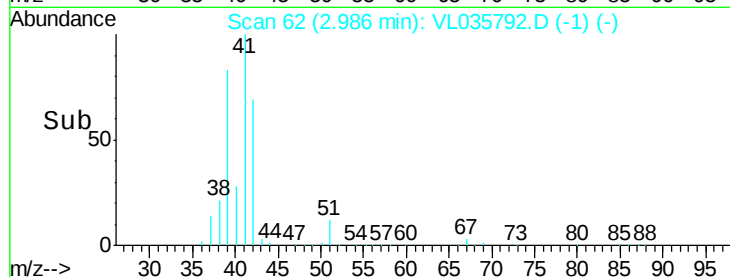
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.032 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.03 min

Lab File: VL035792.D

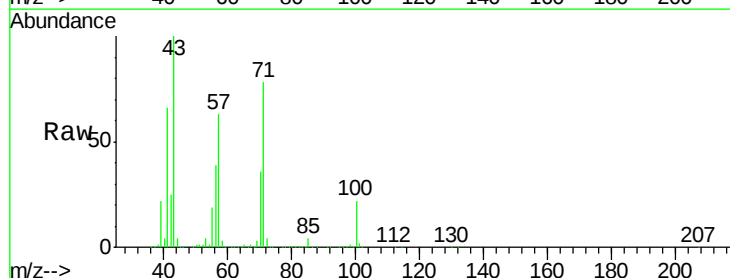
Acq: 19 Oct 2020 12:48

Tgt Ion: 43 Resp: 1291819

Ion Ratio Lower Upper

43 100

57 62.9 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

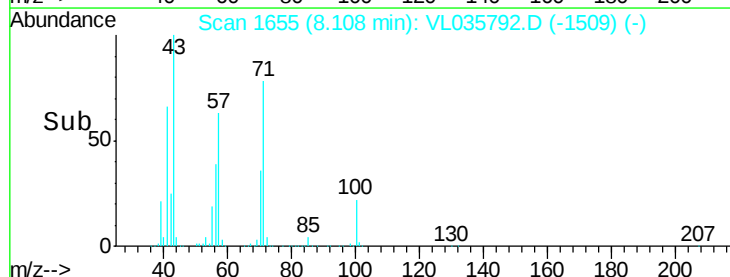
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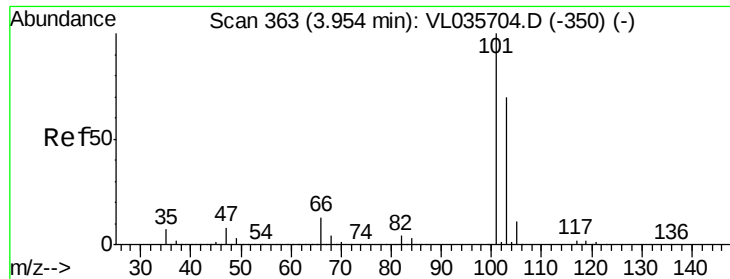
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200000

0

Time-->

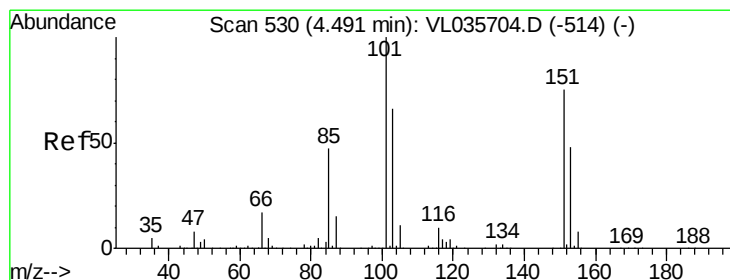
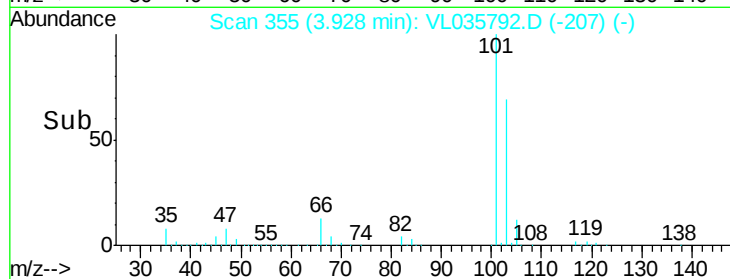
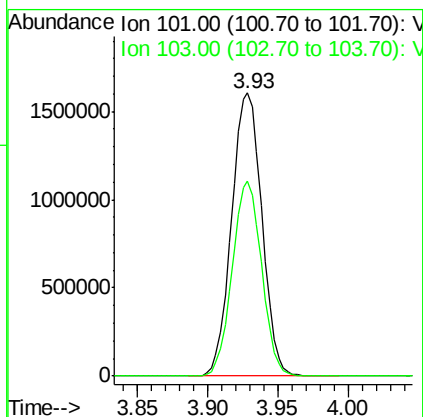
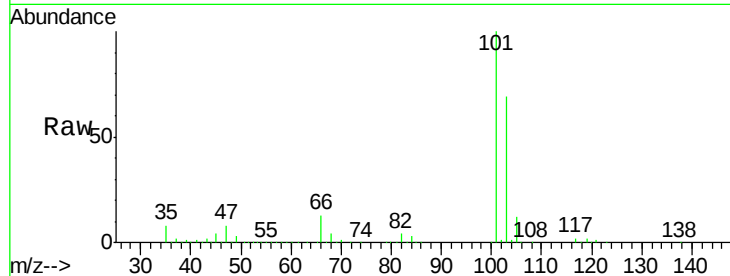




#11
 Trichlorofluoromethane
 Concen: 8.741 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.03 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

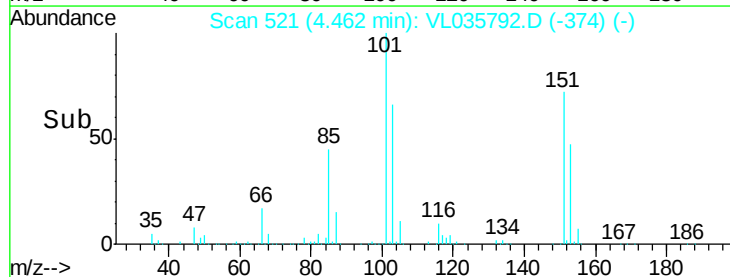
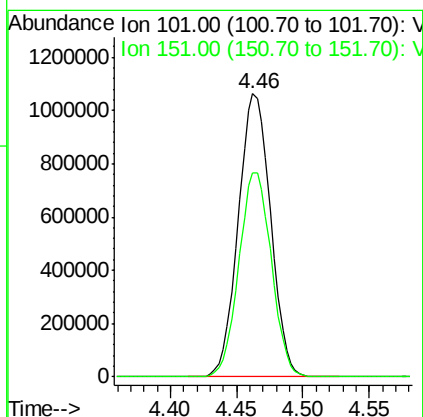
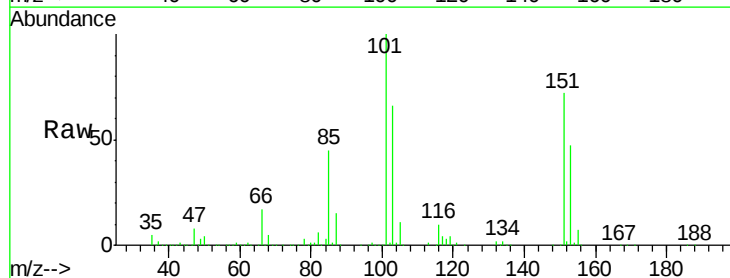
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1019ABS01

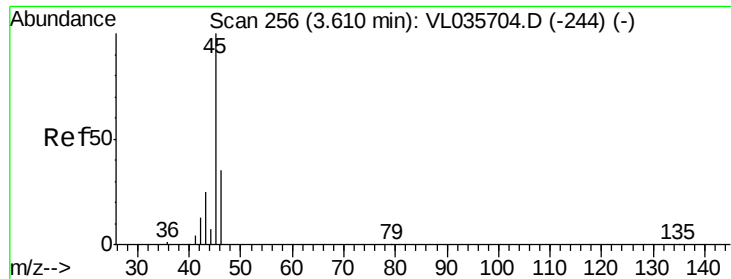
Tot Ion:101 Resp: 2419984
 Ion Ratio Lower Upper
 101 100
 103 68.7 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.740 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.03 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

Tgt Ion:101 Resp: 1803842
 Ion Ratio Lower Upper
 101 100
 151 72.6 59.1 88.7





#13

Ethanol

Concen: 7.713 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

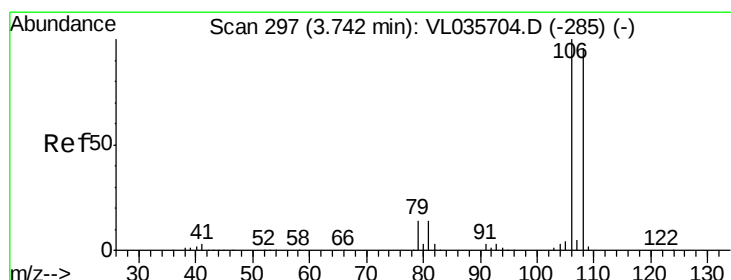
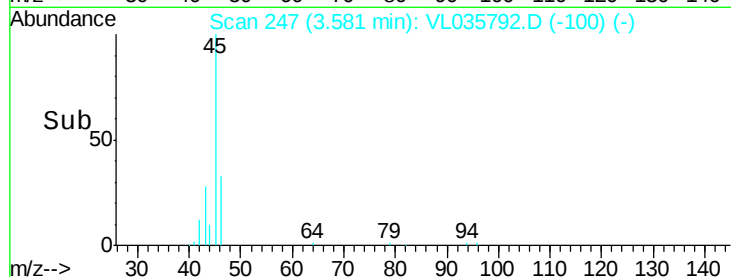
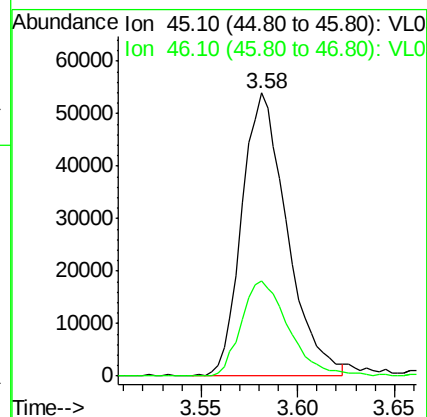
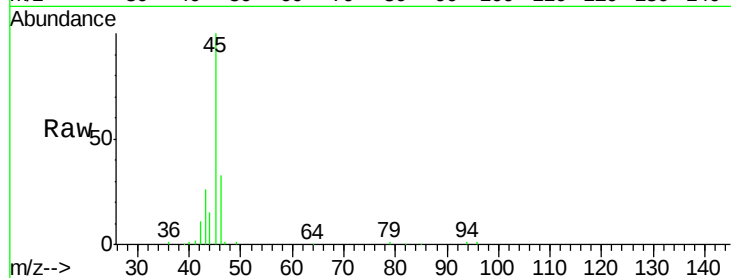
VL1019ABS01

Tot Ion: 45 Resp: 87853

Ion Ratio Lower Upper

45 100

46 35.6 14.7 58.7



#14

Bromoethene

Concen: 9.059 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

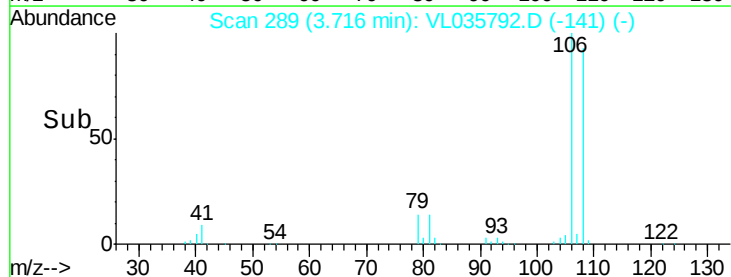
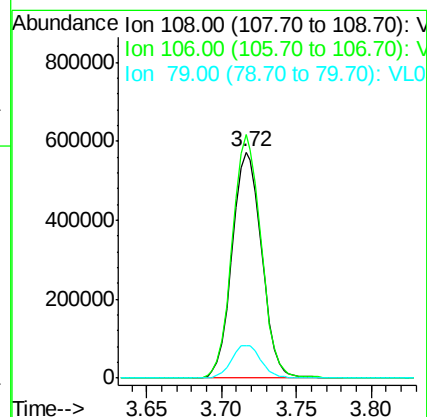
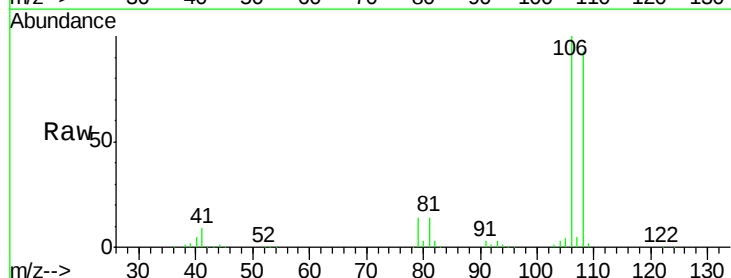
Tgt Ion: 108 Resp: 787478

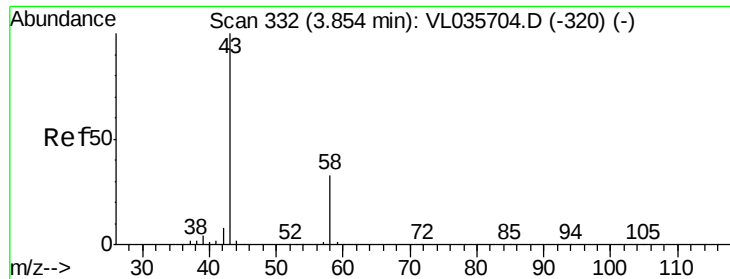
Ion Ratio Lower Upper

108 100

106 105.8 84.6 126.8

79 15.0 11.6 17.4





#15

Acetone

Concen: 8.012 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

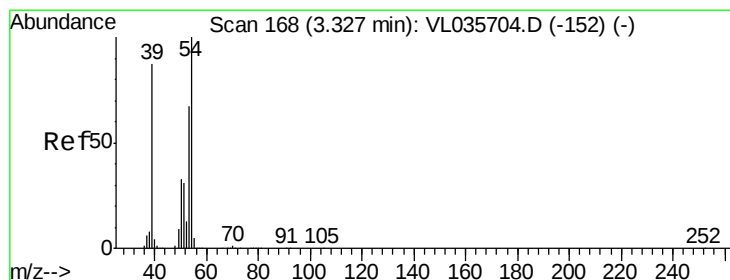
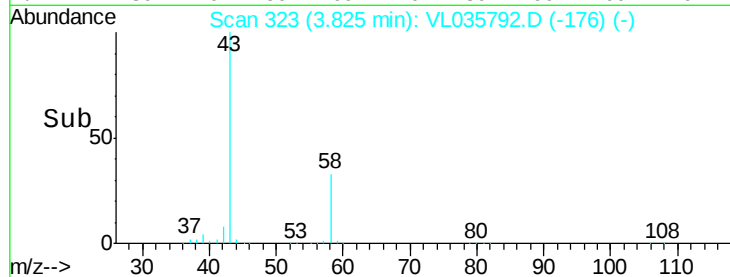
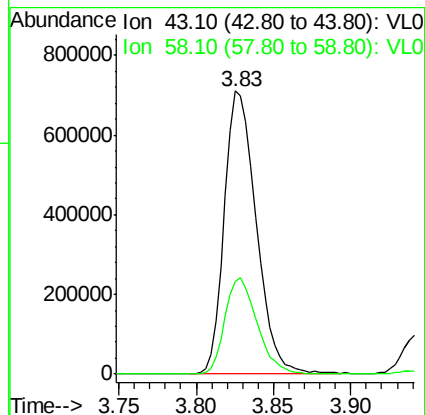
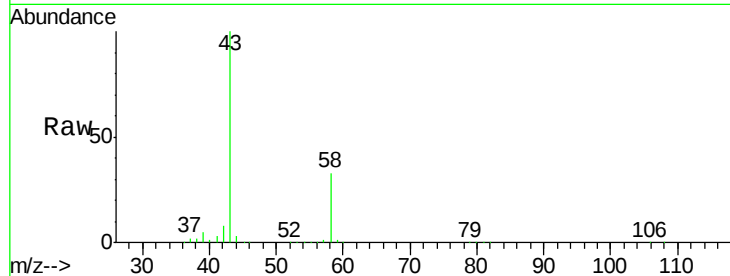
VL1019ABS01

Tot Ion: 43 Resp: 1019459

Ion Ratio Lower Upper

43 100

58 34.5 27.3 40.9



#16

1,3-Butadiene

Concen: 9.706 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035792.D

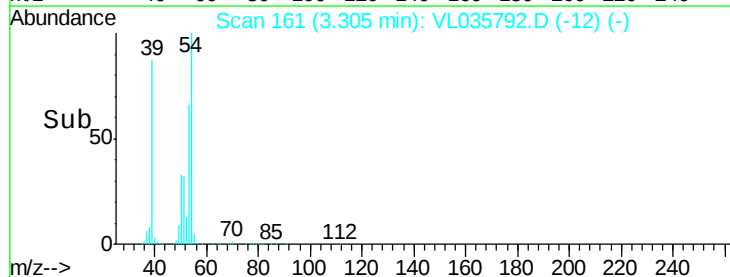
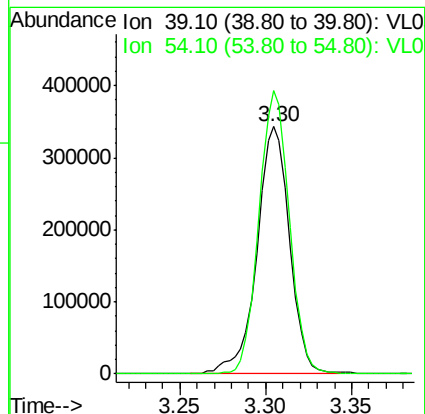
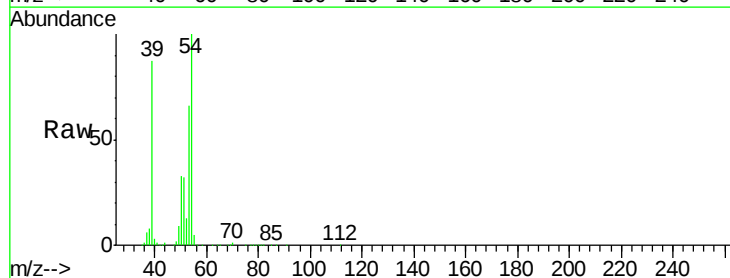
Acq: 19 Oct 2020 12:48

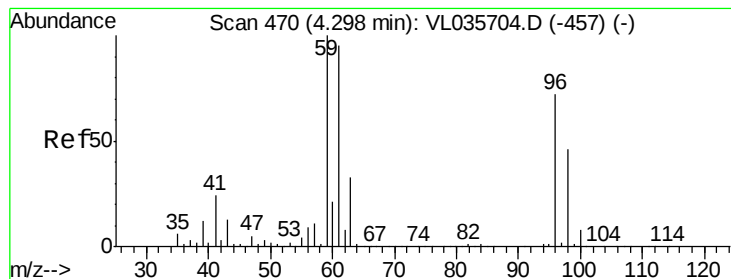
Tgt Ion: 39 Resp: 451826

Ion Ratio Lower Upper

39 100

54 107.2 87.4 131.0





#17

tert-Butyl alcohol

Concen: 10.006 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

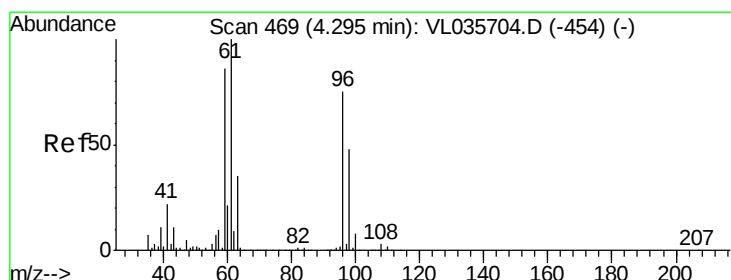
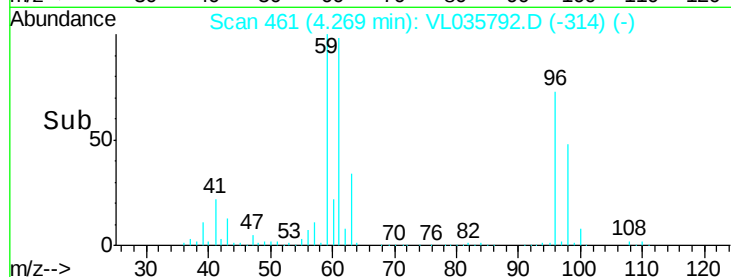
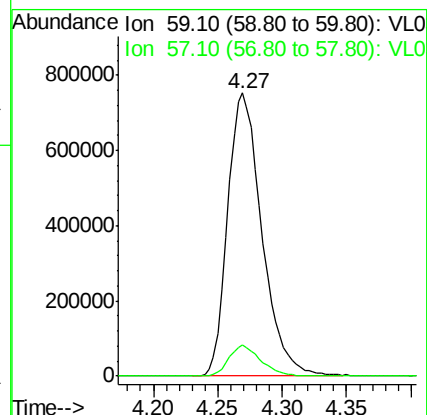
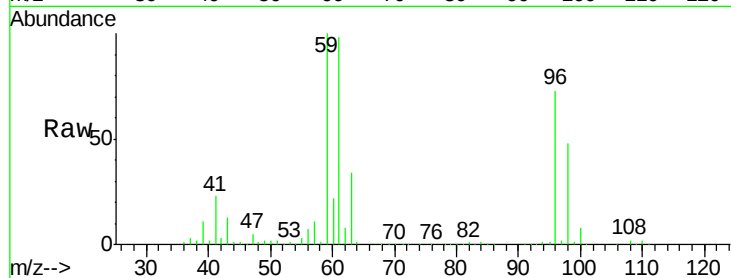
VL1019ABS01

Tot Ion: 59 Resp: 1386824

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.202 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

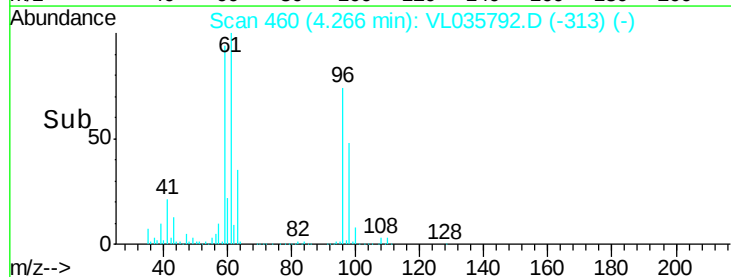
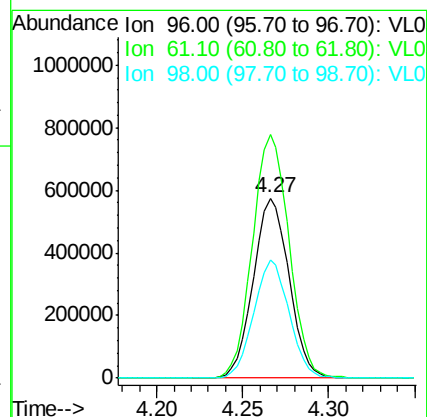
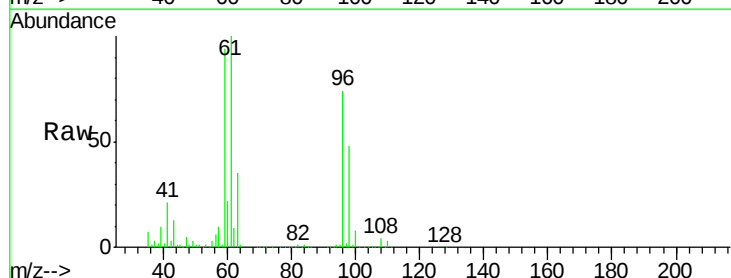
Tgt Ion: 96 Resp: 831518

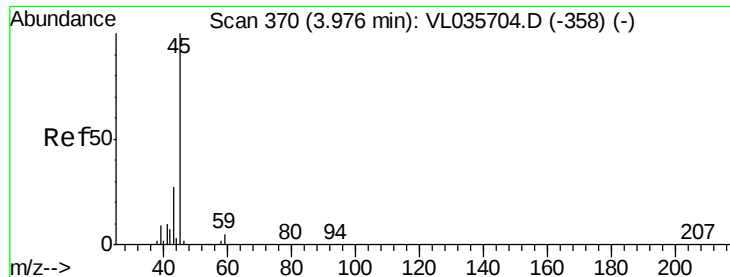
Ion Ratio Lower Upper

96 100

61 135.1 106.7 160.1

98 65.4 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.376 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

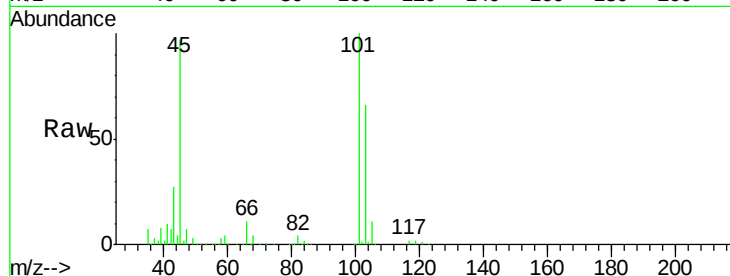
VL1019ABS01

Tot Ion: 45 Resp: 648945

Ion Ratio Lower Upper

45 100

58 2.9 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

400000

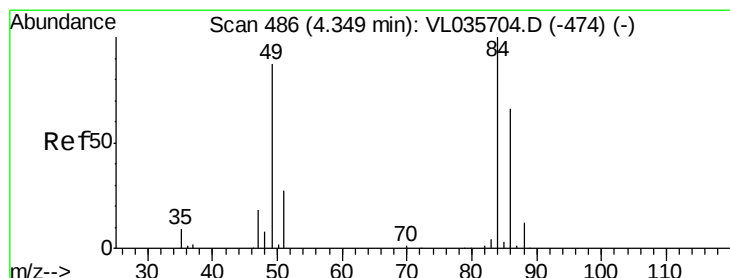
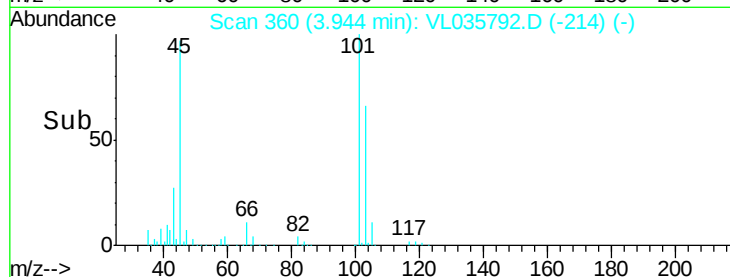
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.241 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Tgt Ion: 84 Resp: 676766

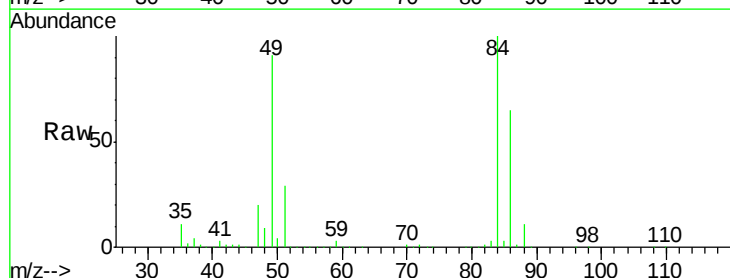
Ion Ratio Lower Upper

84 100

49 90.6 69.8 104.6

51 28.6 21.8 32.8

86 65.3 52.6 78.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

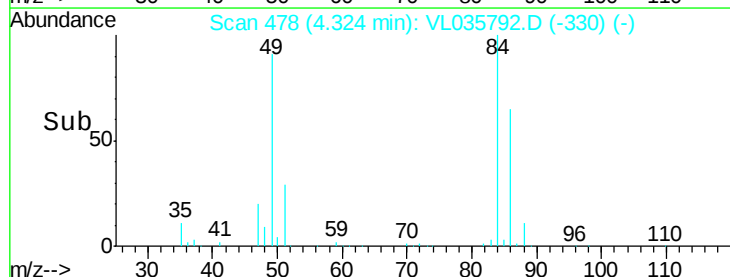
600000

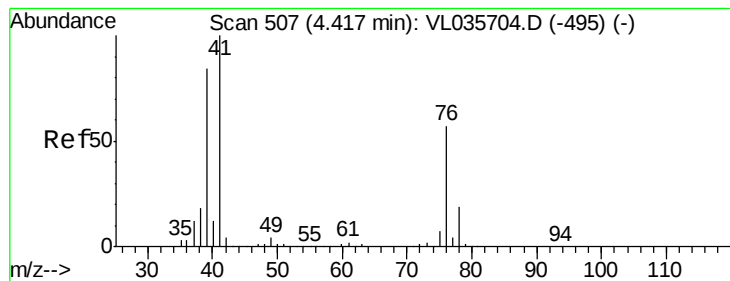
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.711 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

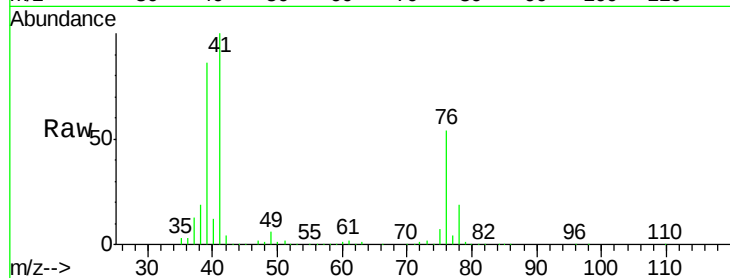
Tot Ion: 41 Resp: 598924

Ion Ratio Lower Upper

41 100

76 54.9 44.8 67.2

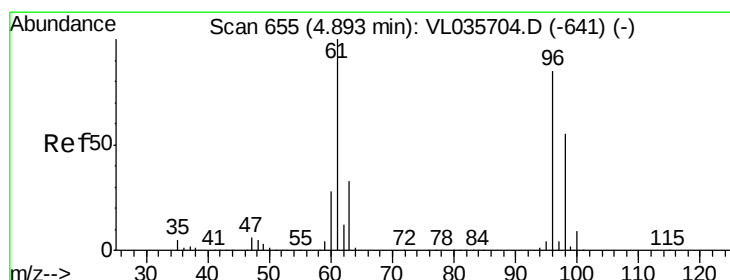
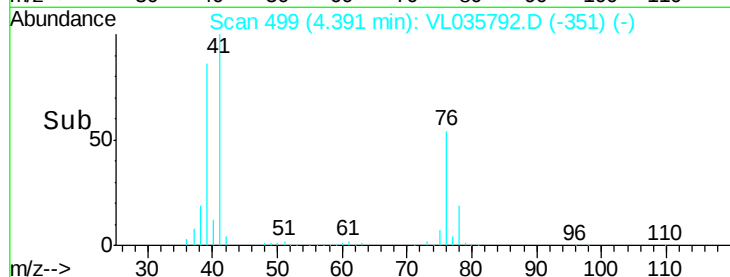
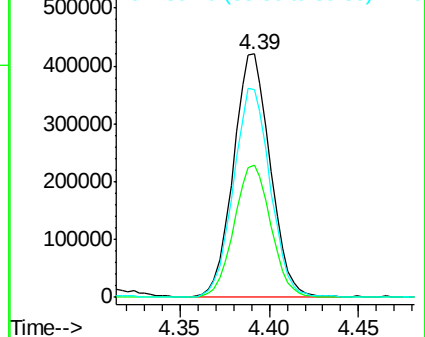
39 86.4 68.4 102.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.027 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

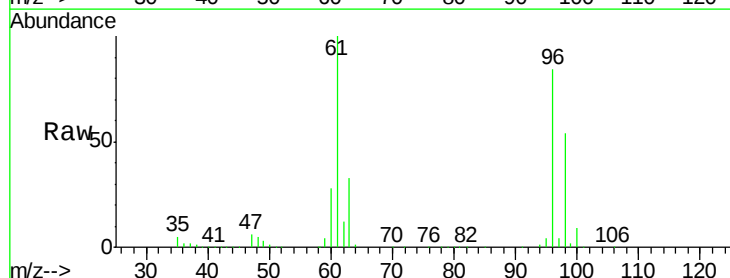
Tgt Ion: 96 Resp: 861702

Ion Ratio Lower Upper

96 100

61 119.6 93.7 140.5

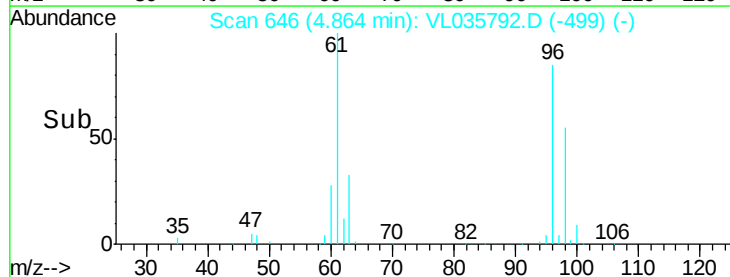
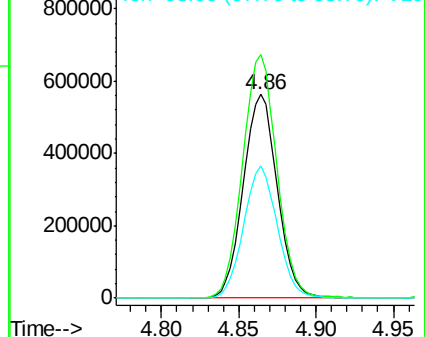
98 64.9 51.2 76.8

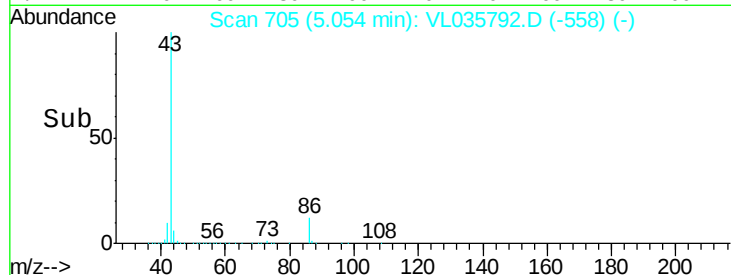
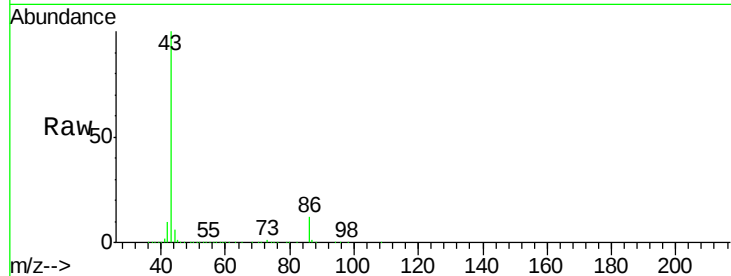
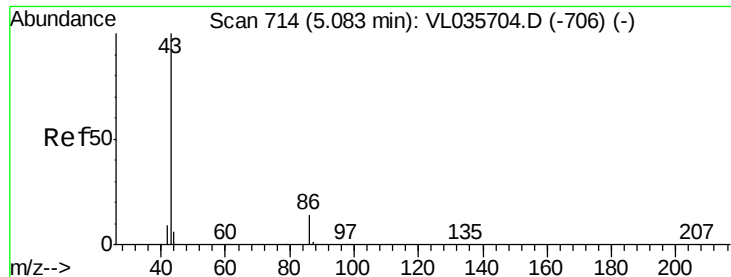


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.832 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

Tot Ion: 43 Resp: 1532325

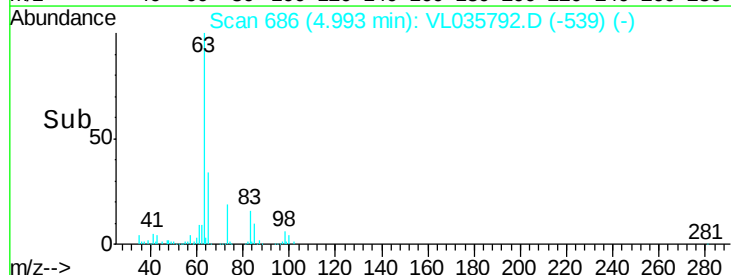
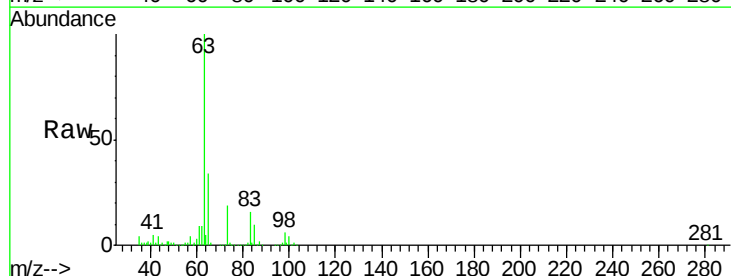
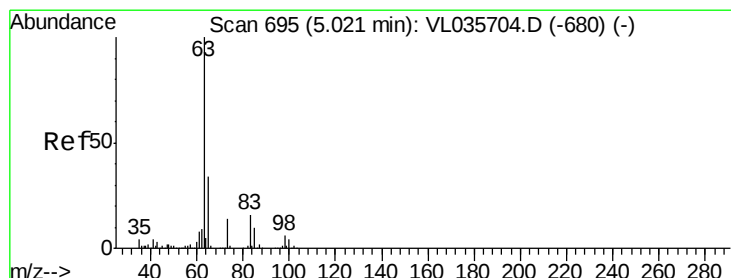
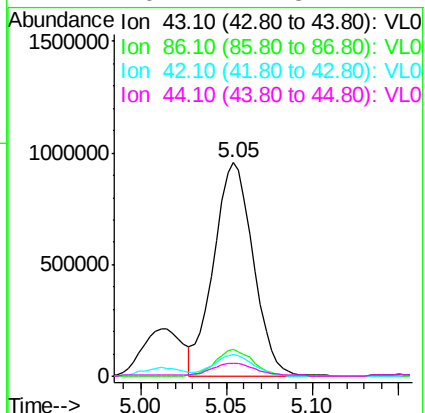
Ion Ratio Lower Upper

43 100

86 12.3 9.7 14.5

42 10.1 7.9 11.9

44 6.1 4.8 7.2



#24

1,1-Dichloroethane

Concen: 8.875 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

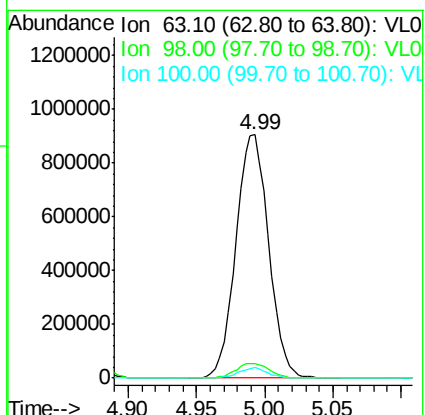
Tgt Ion: 63 Resp: 1506602

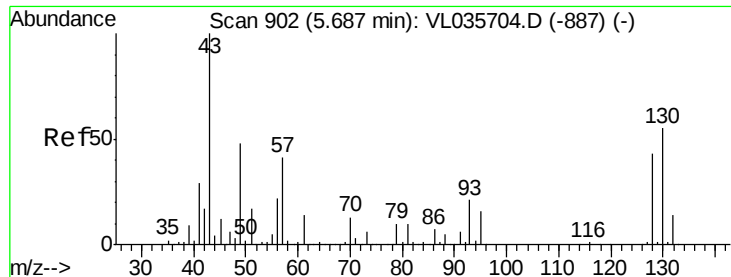
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 4.1 2.0 5.8



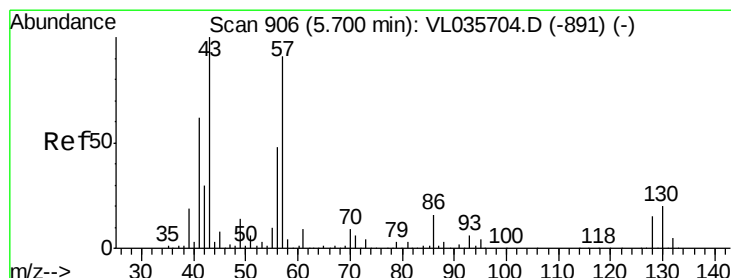
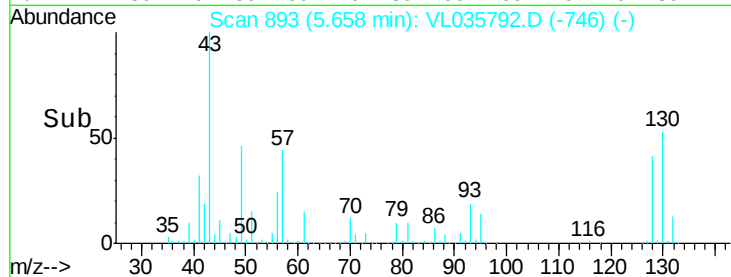
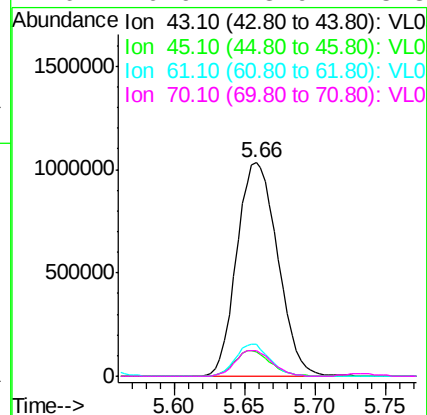
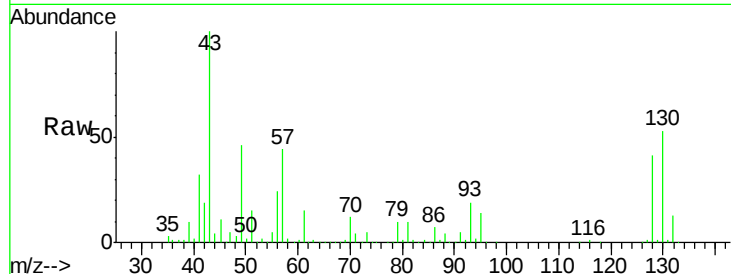


#25
Ethyl Acetate
Concen: 9.171 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1019ABS01

Tot Ion: 43 Resp: 2099789

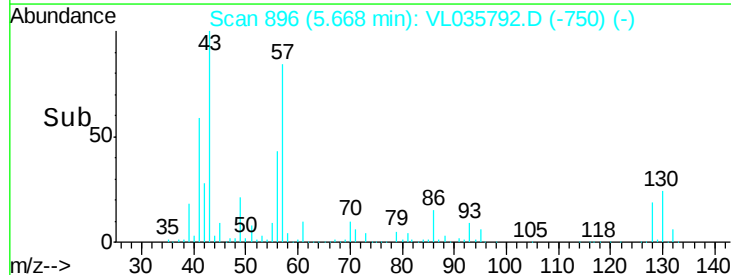
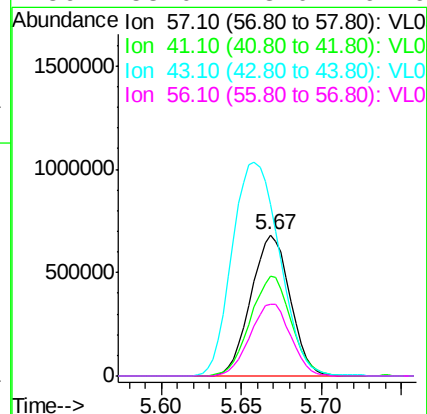
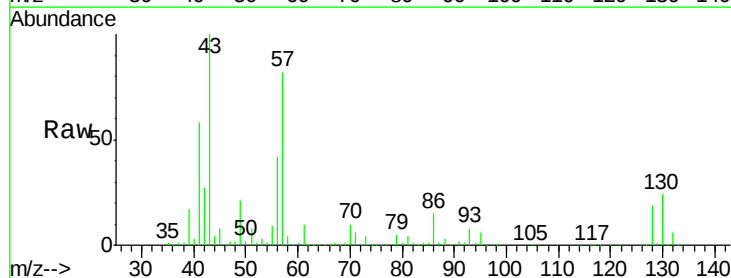
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	12.8
61	12.8	10.4	15.6
70	10.9	8.9	13.3

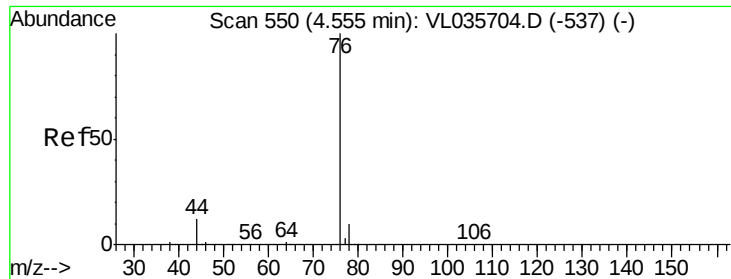


#26
Hexane
Concen: 9.121 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

Tgt Ion: 57 Resp: 1144333

Ion	Ratio	Lower	Upper
57	100		
41	73.7	57.9	86.9
43	184.1	143.8	215.6
56	53.0	43.0	64.6





#27

Carbon Disulfide

Concen: 10.002 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

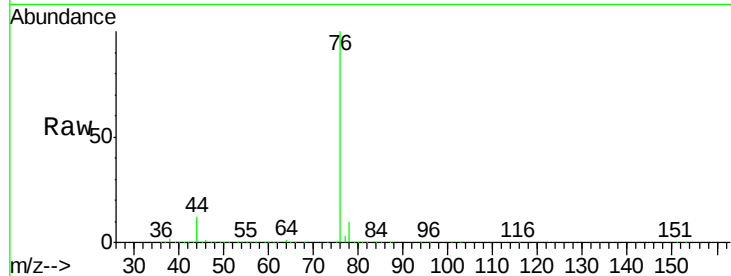
Tot Ion: 76 Resp: 1870524

Ion Ratio Lower Upper

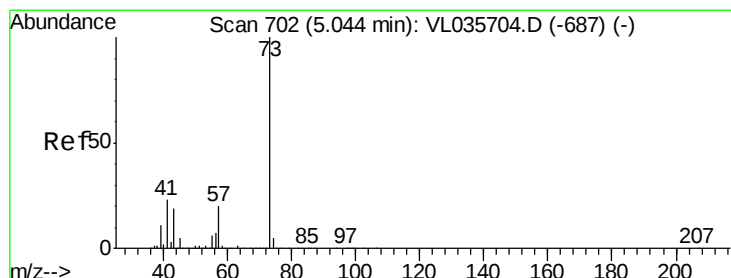
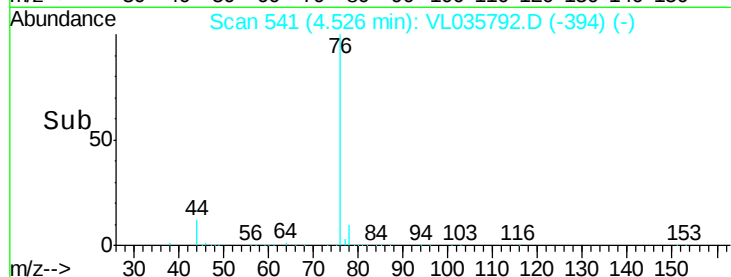
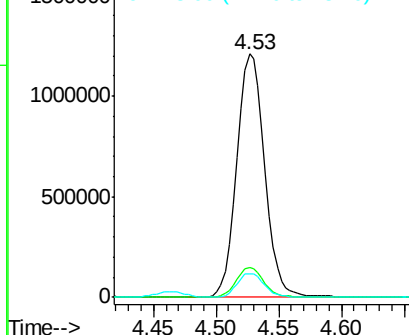
76 100

44 11.8 9.7 14.5

78 9.6 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: 9.949 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.03 min

Lab File: VL035792.D

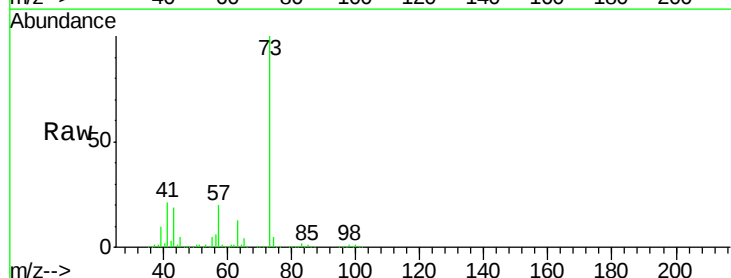
Acq: 19 Oct 2020 12:48

Tgt Ion: 73 Resp: 1978754

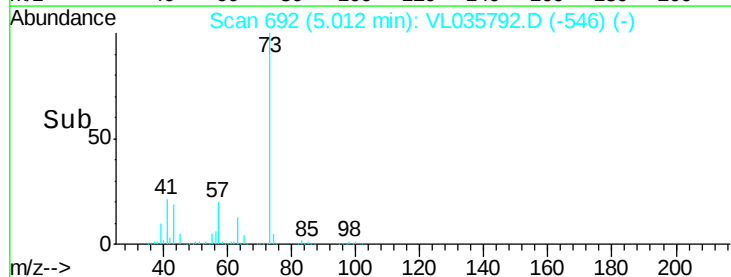
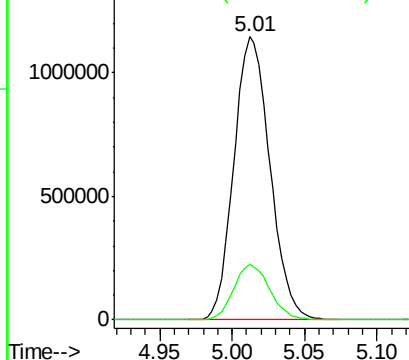
Ion Ratio Lower Upper

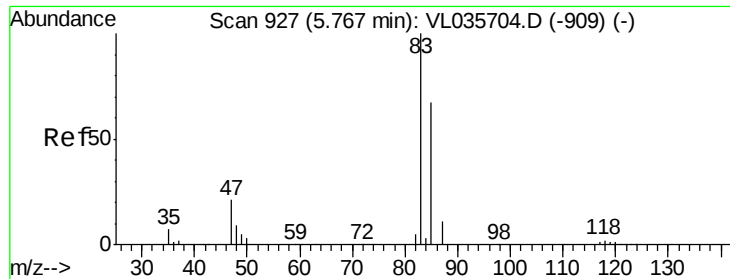
73 100

57 19.7 15.6 23.4



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

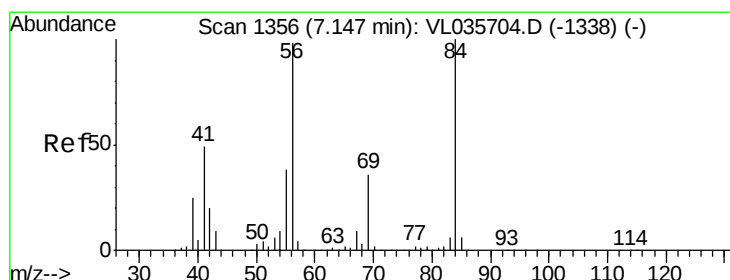
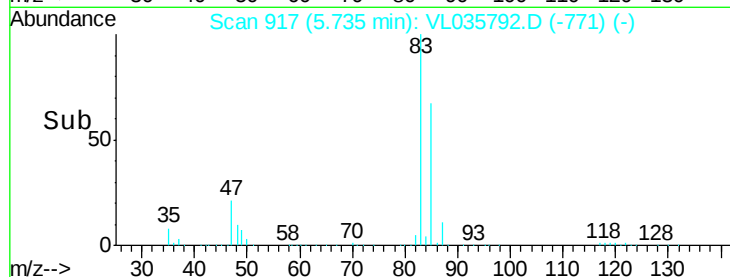
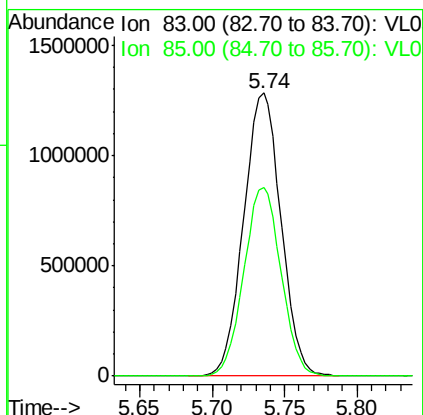
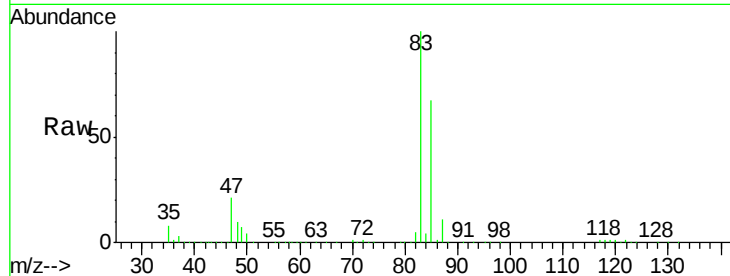




#29
Chloroform
Concen: 9.023 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

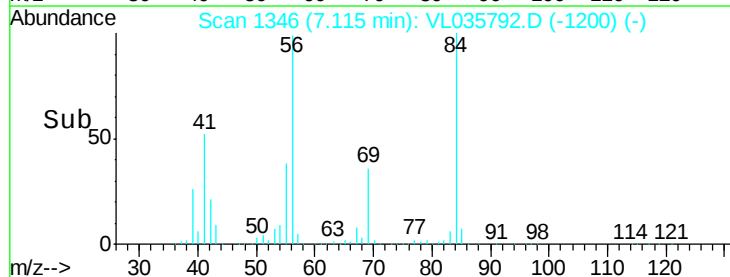
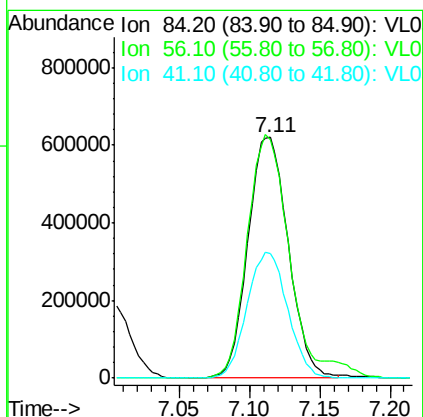
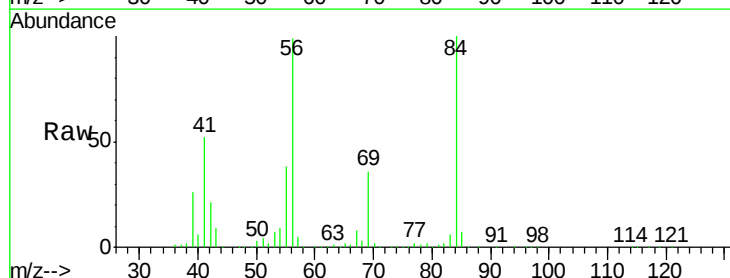
Instrument :
MSVOA_L
ClientSampleId :
VL1019ABS01

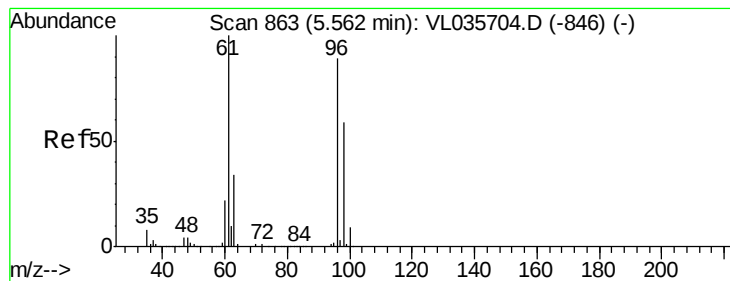
Tot Ion: 83 Resp: 2299077
Ion Ratio Lower Upper
83 100
85 66.6 54.0 81.0



#30
Cyclohexane
Concen: 10.042 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

Tgt Ion: 84 Resp: 1243019
Ion Ratio Lower Upper
84 100
56 106.9 84.6 127.0
41 52.7 41.1 61.7



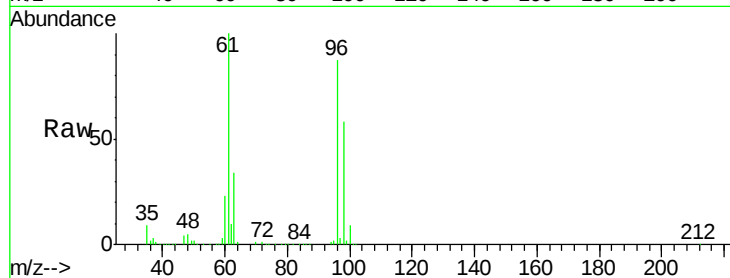


#31

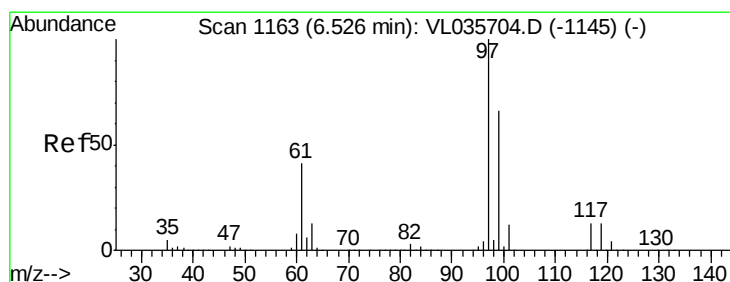
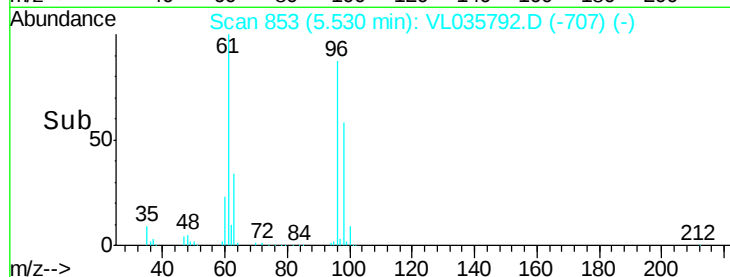
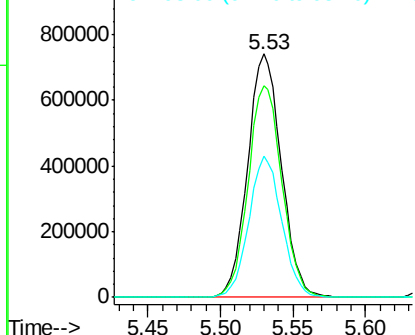
cis-1,2-Dichloroethene
 Concen: 9.922 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.03 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1019ABS01

Tot Ion: 61 Resp: 1201718
 Ion Ratio Lower Upper
 61 100
 96 86.7 71.4 107.2
 98 58.0 47.4 71.2



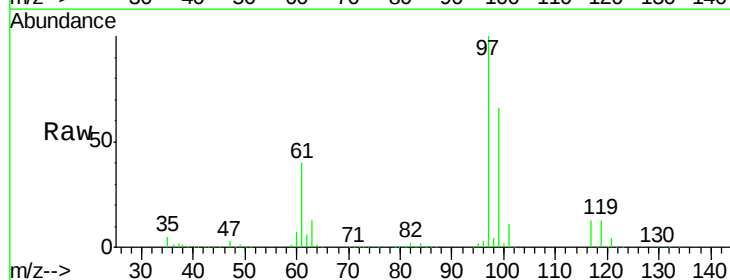
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



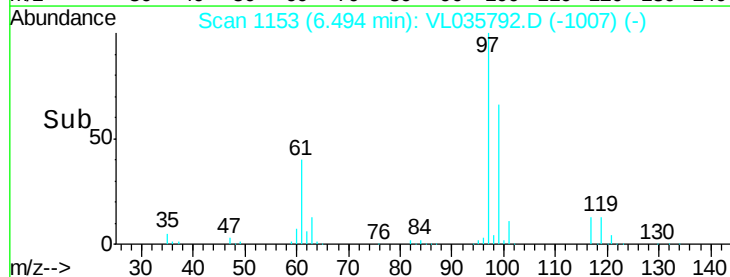
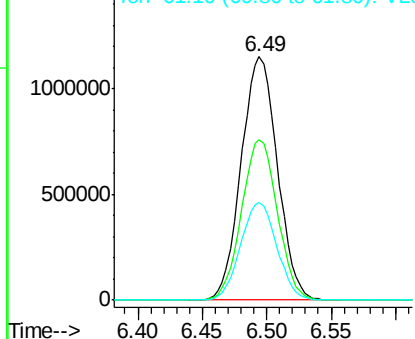
#32

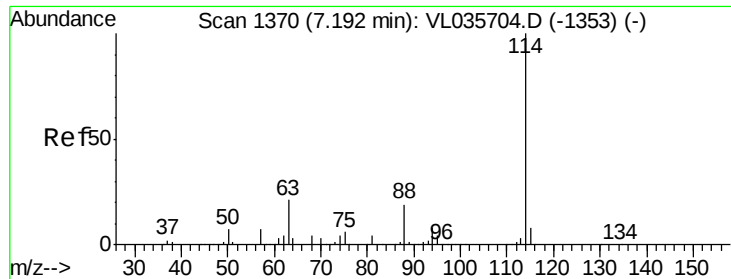
1,1,1-Trichloroethane
 Concen: 10.052 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

Tgt Ion: 97 Resp: 2257785
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.7 79.1
 61 40.3 32.7 49.1



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

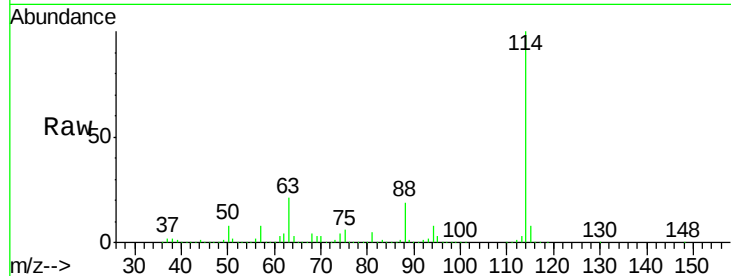




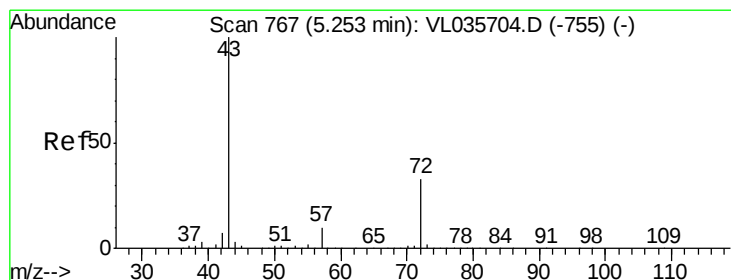
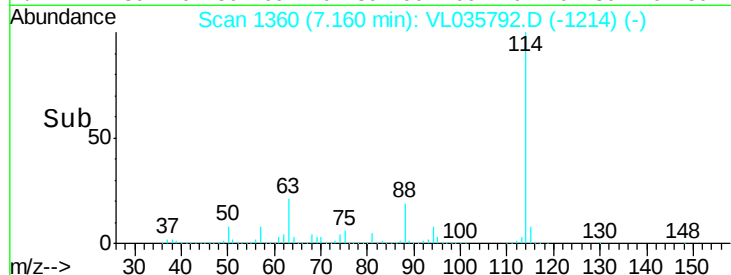
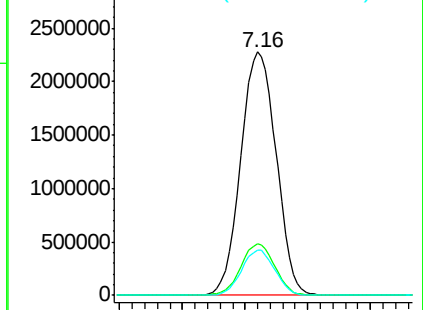
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1019ABS01

Tot Ion:114 Resp: 4463574
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.1 24.1
 88 17.6 14.1 21.1

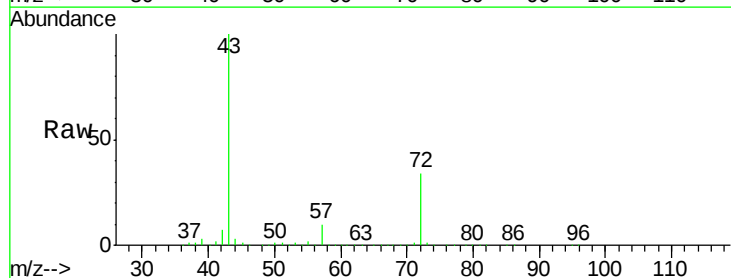


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

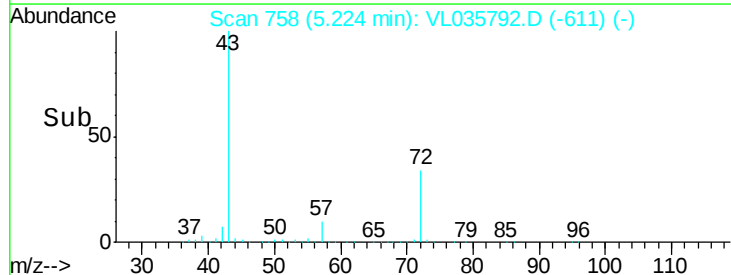
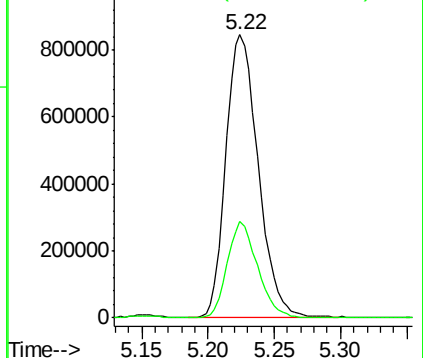


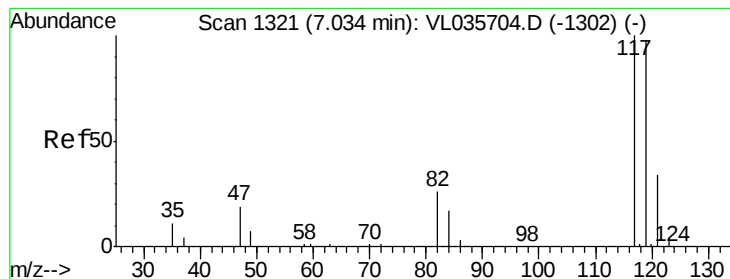
#34
 2-Butanone
 Concen: 9.715 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

Tgt Ion: 43 Resp: 1434214
 Ion Ratio Lower Upper
 43 100
 72 32.0 26.1 39.1



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





#35

Carbon Tetrachloride

Concen: 9.908 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

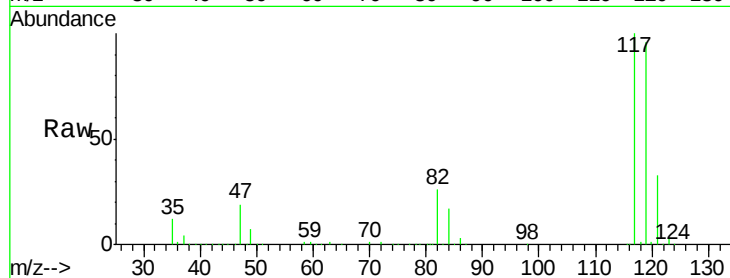
Tot Ion:117 Resp: 2305714

Ion Ratio Lower Upper

117 100

119 95.9 77.7 116.5

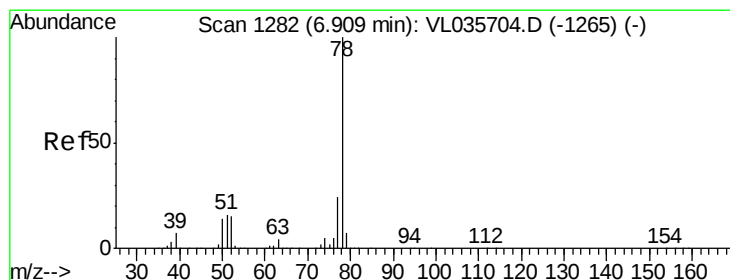
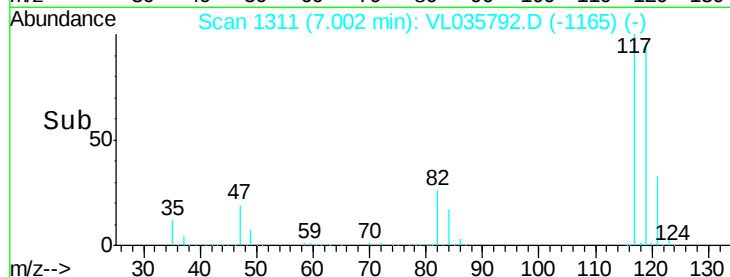
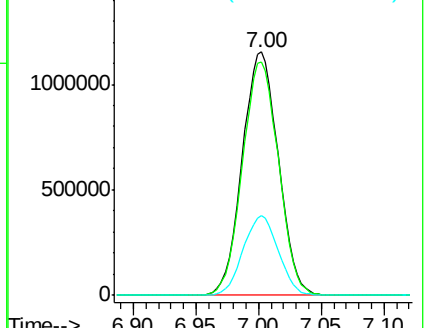
121 32.7 26.9 40.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.857 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

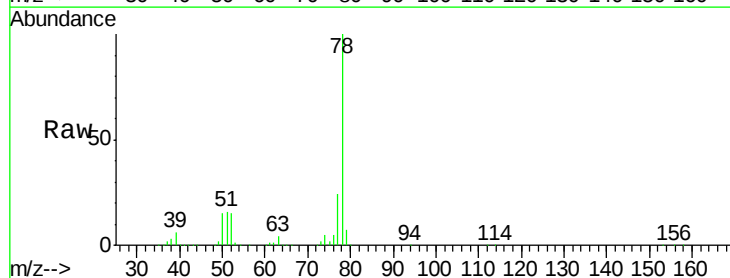
Tgt Ion: 78 Resp: 2867004

Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9

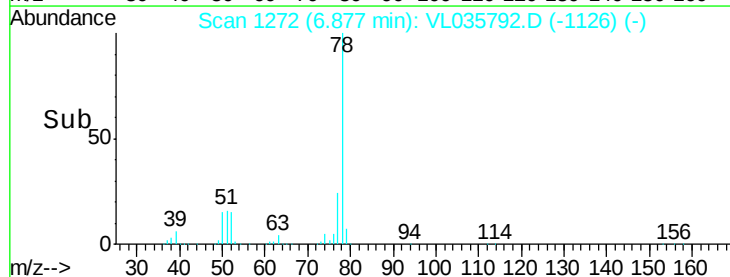
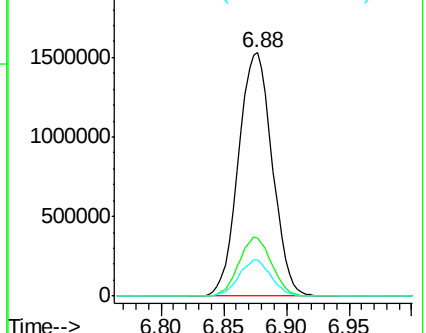
50 14.9 11.6 17.4

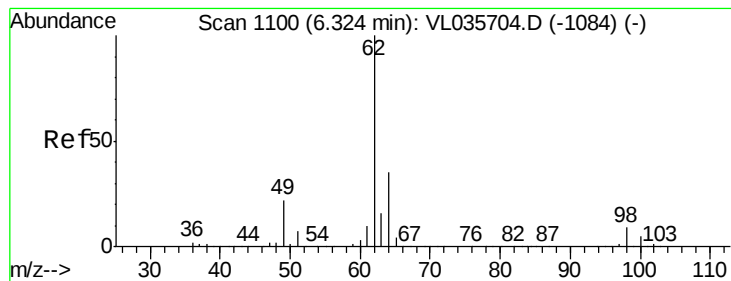


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.483 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

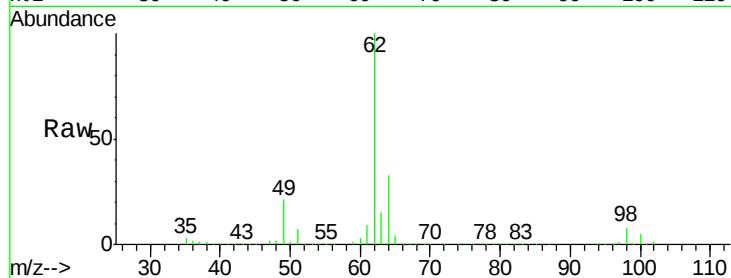
VL1019ABS01

Tot Ion: 62 Resp: 1437440

Ion Ratio Lower Upper

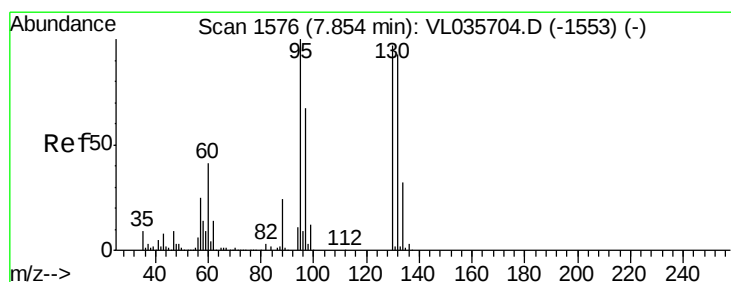
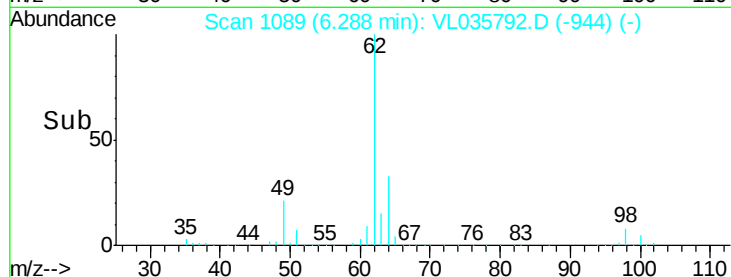
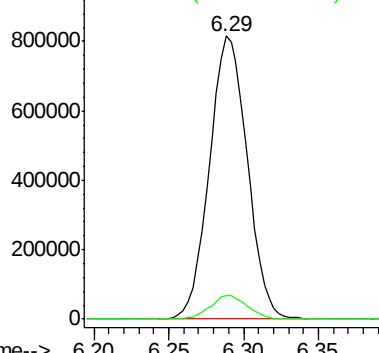
62 100

98 8.2 6.9 10.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.705 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Tgt Ion:130 Resp: 1408110

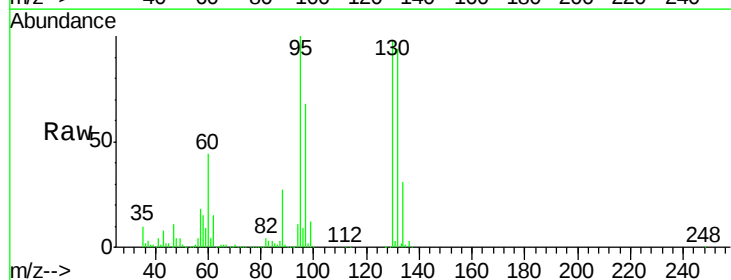
Ion Ratio Lower Upper

130 100

95 102.1 82.4 123.6

132 95.8 76.8 115.2

97 69.4 55.4 83.2

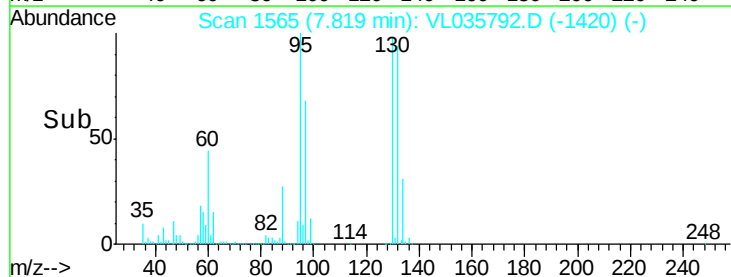
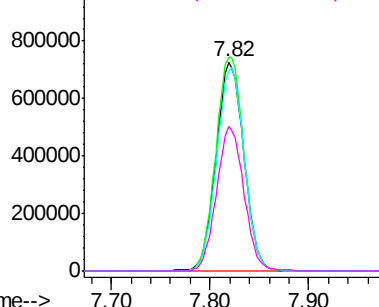


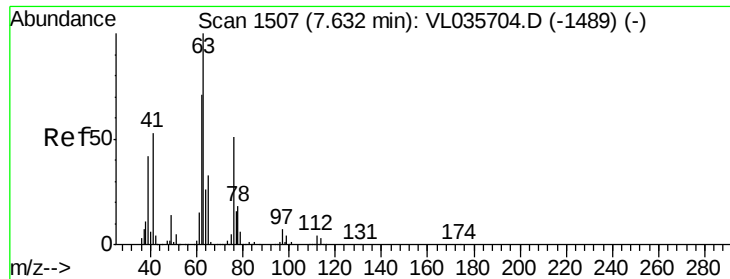
Abundance Ion 130.00 (129.70 to 130.70): V

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





#39

1,2-Dichloropropane

Concen: 9.579 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

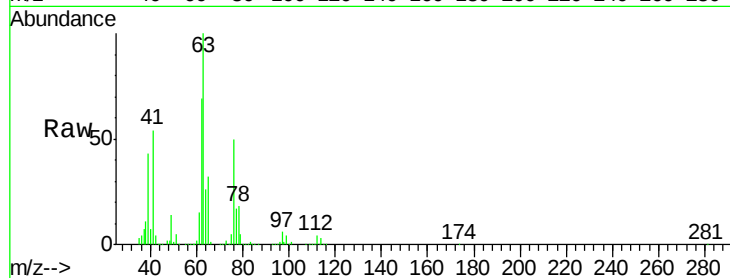
Tot Ion: 63 Resp: 1009811

Ion Ratio Lower Upper

63 100

41 54.4 42.6 63.8

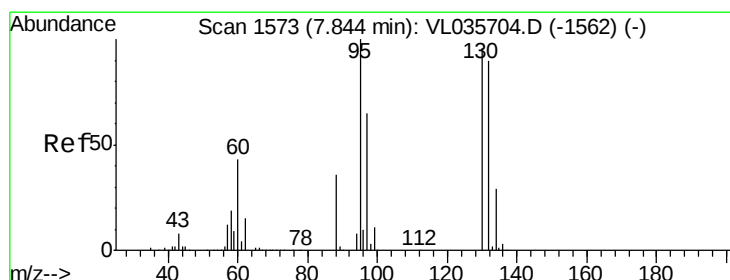
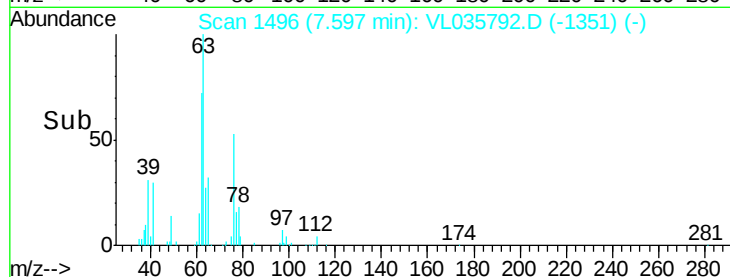
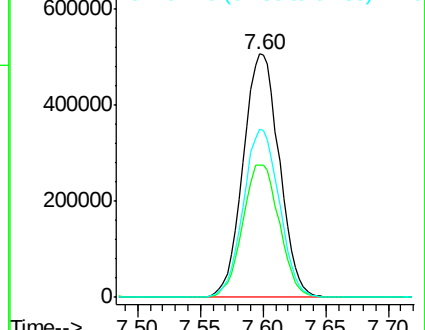
62 69.2 56.5 84.7



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: 9.868 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Tgt Ion: 88 Resp: 475742

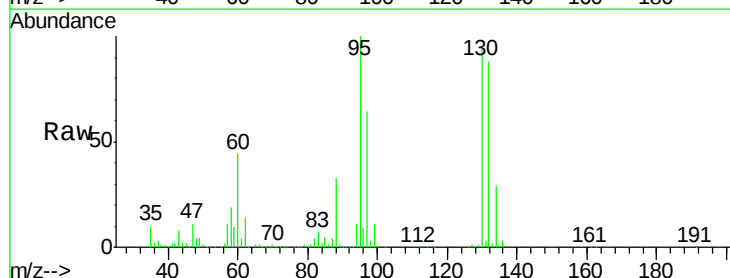
Ion Ratio Lower Upper

88 100

58 96.6 76.2 114.4

43 157.5 123.4 185.2

57 833.8 652.5 978.7

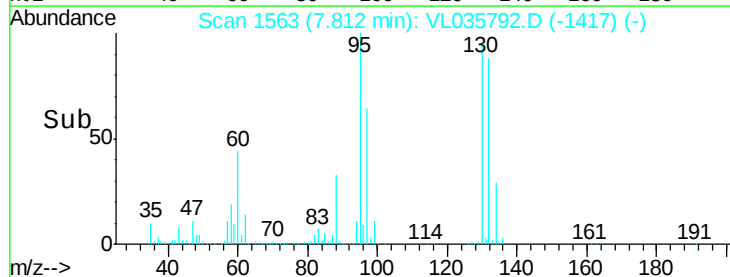
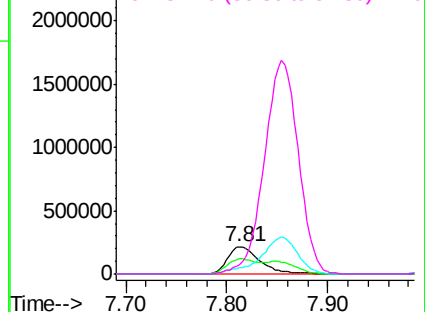


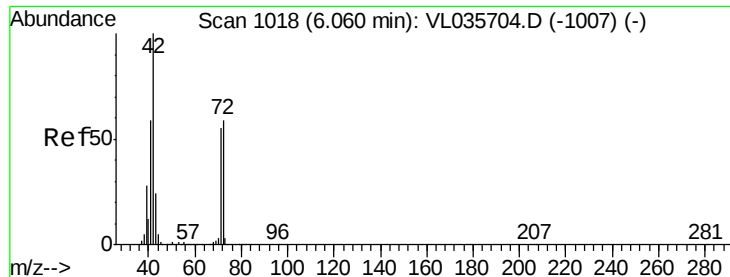
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

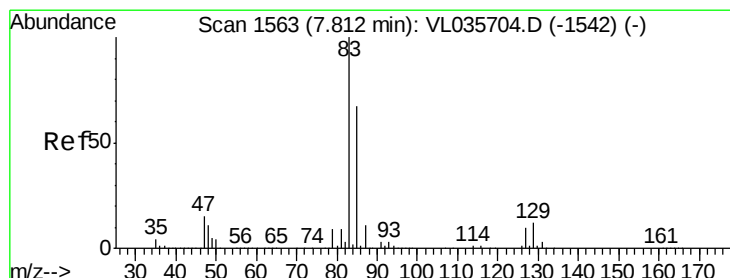
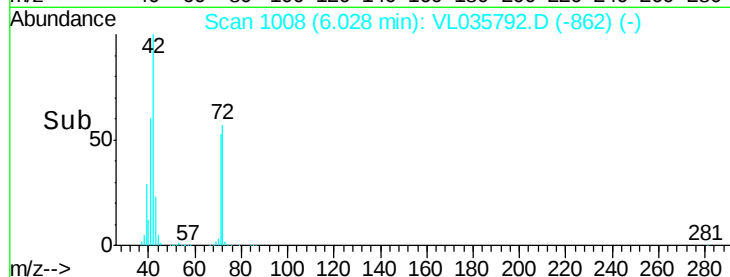
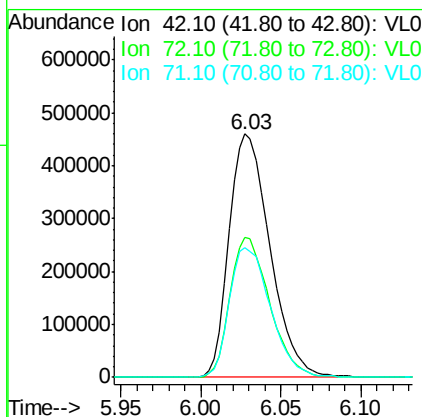
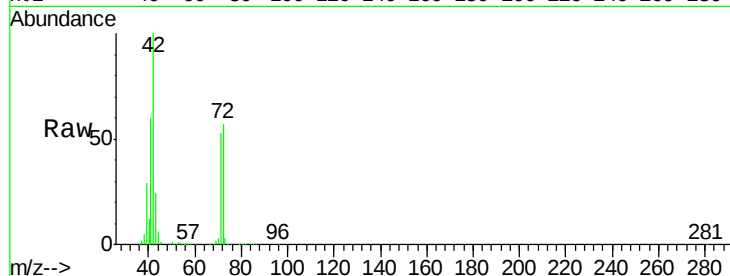




#41
Tetrahydrofuran
Concen: 10.782 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

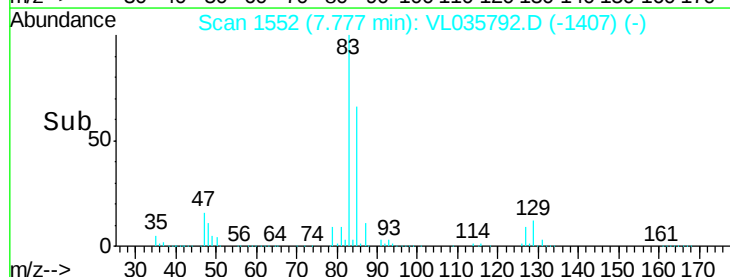
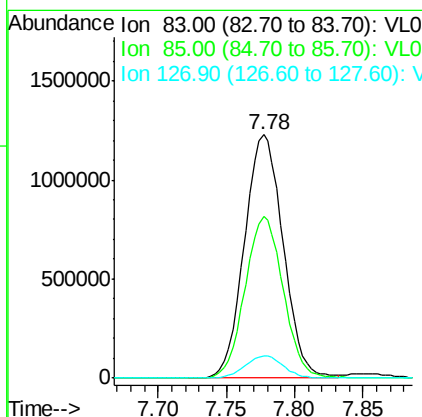
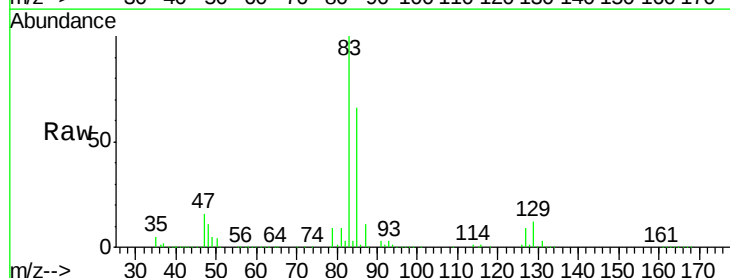
Instrument :
MSVOA_L
ClientSampleId :
VL1019ABS01

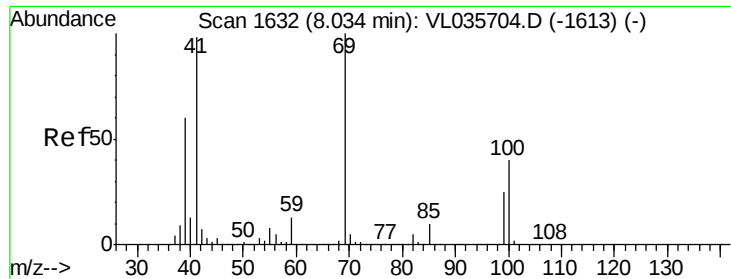
Tot Ion: 42 Resp: 801908
Ion Ratio Lower Upper
42 100
72 56.1 46.2 69.4
71 53.9 44.2 66.4



#42
Bromodichloromethane
Concen: 9.921 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.04 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

Tgt Ion: 83 Resp: 2422524
Ion Ratio Lower Upper
83 100
85 66.5 53.4 80.0
127 9.3 7.8 11.6

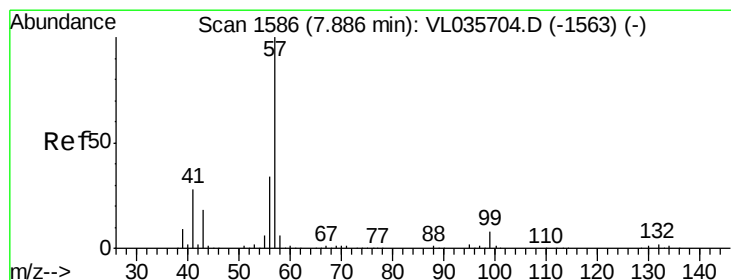
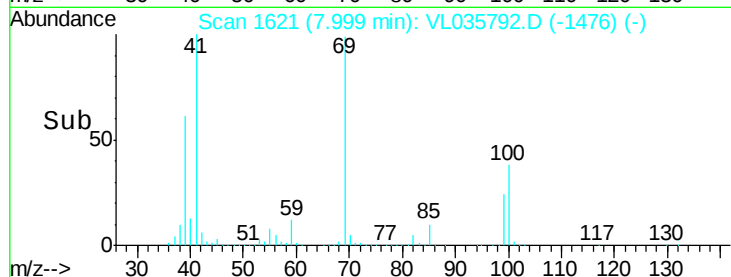
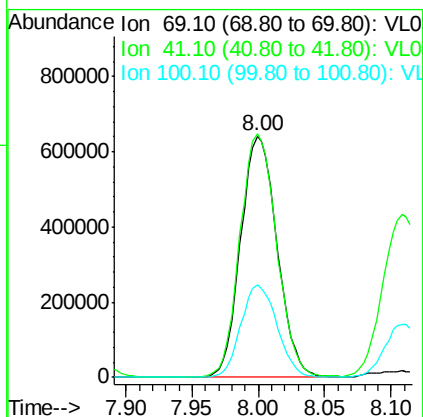
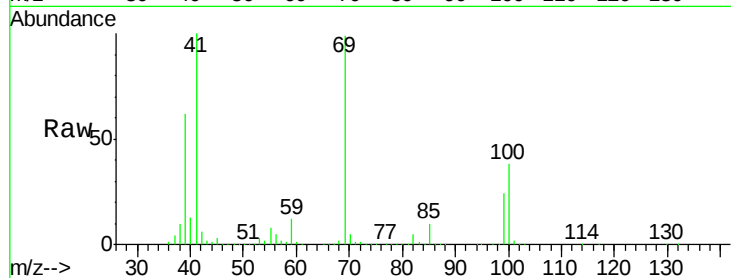




#43
Methyl Methacrylate
Concen: 10.567 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. -0.04 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

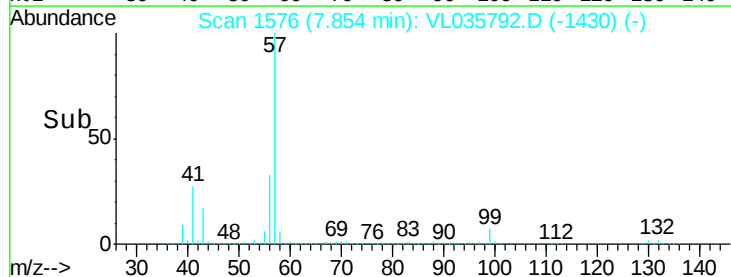
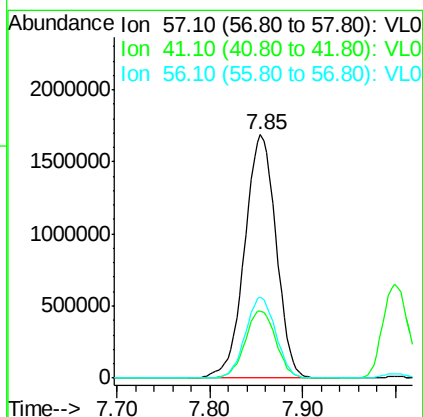
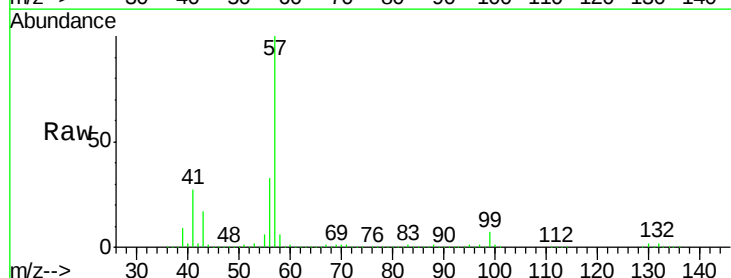
Instrument :
MSVOA_L
ClientSampleId :
VL1019ABS01

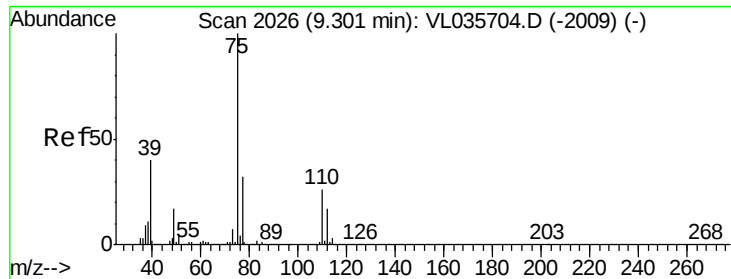
Tot Ion: 69 Resp: 1222294
Ion Ratio Lower Upper
69 100
41 101.8 79.8 119.6
100 38.1 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 9.500 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

Tgt Ion: 57 Resp: 3964730
Ion Ratio Lower Upper
57 100
41 27.0 21.2 31.8
56 32.0 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 11.857 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

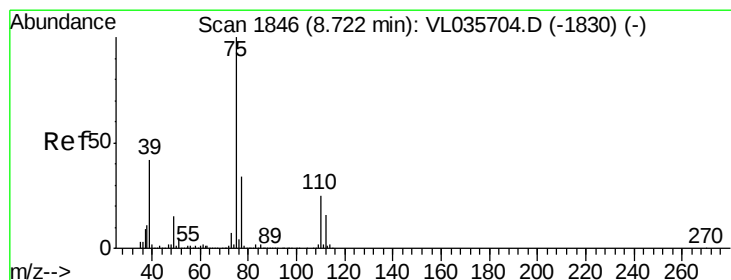
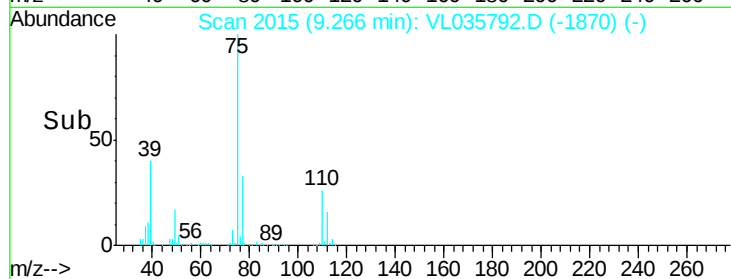
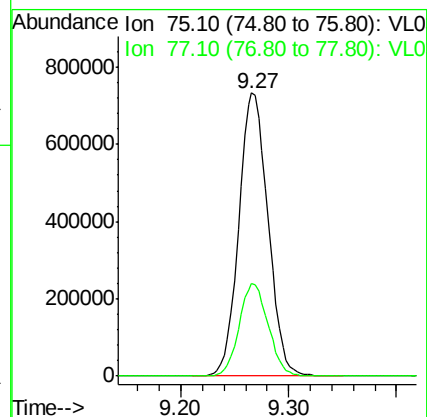
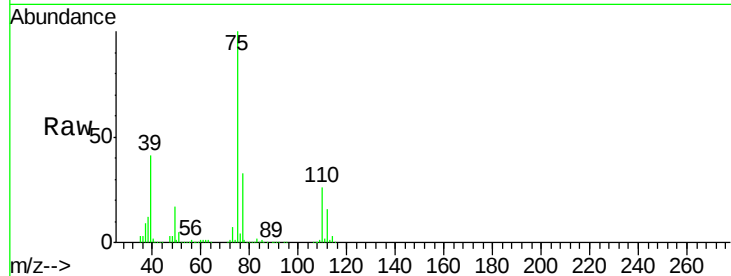
VL1019ABS01

Tot Ion: 75 Resp: 1384691

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 11.372 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

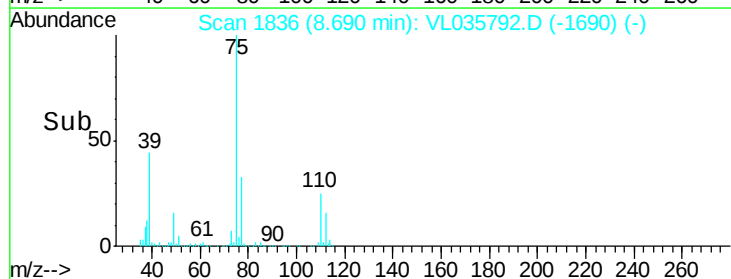
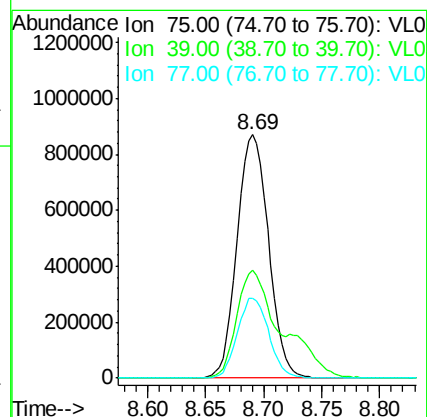
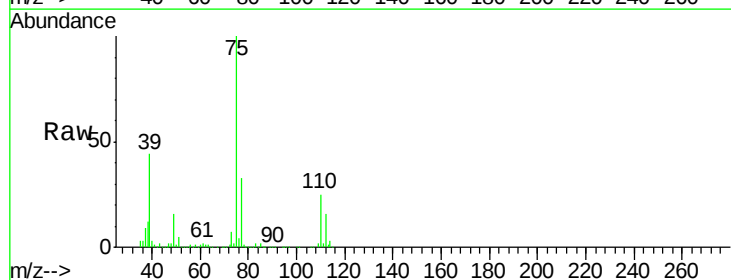
Tgt Ion: 75 Resp: 1637090

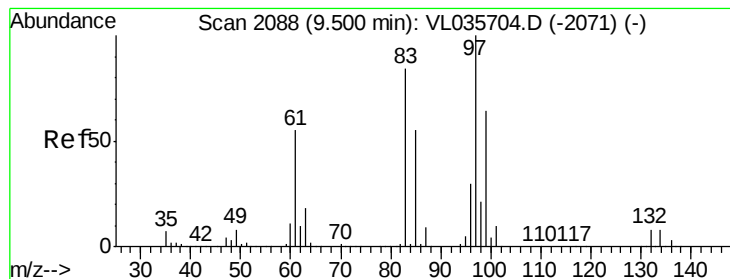
Ion Ratio Lower Upper

75 100

39 44.3 33.9 50.9

77 32.7 27.4 41.0





#47

1,1,2-Trichloroethane

Concen: 9.197 ppbv

RT: 9.47 min Scan# 2077

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

Tot Ion: 97 Resp: 1388746

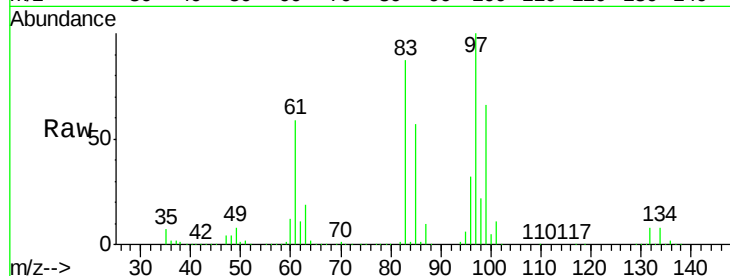
Ion Ratio Lower Upper

97 100

83 87.2 67.1 100.7

85 56.6 43.9 65.9

99 65.6 51.3 76.9

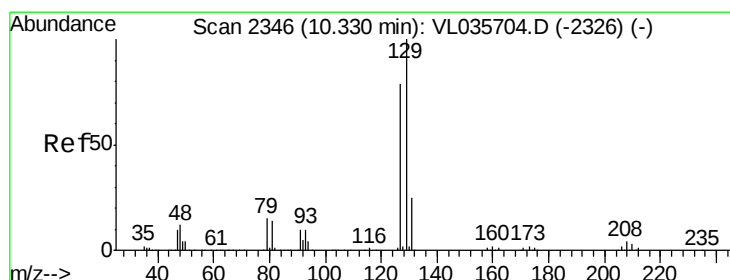
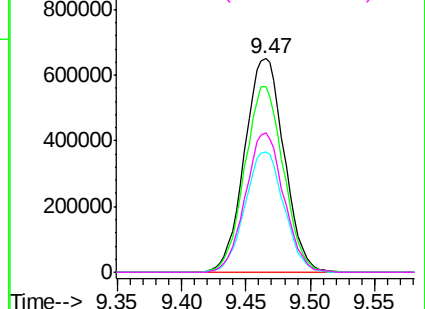
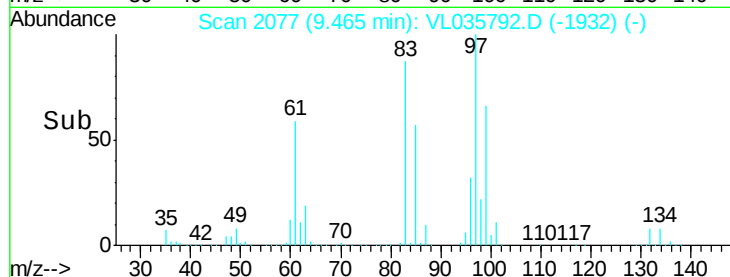


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.173 ppbv

RT: 10.29 min Scan# 2335

Delta R.T. -0.04 min

Lab File: VL035792.D

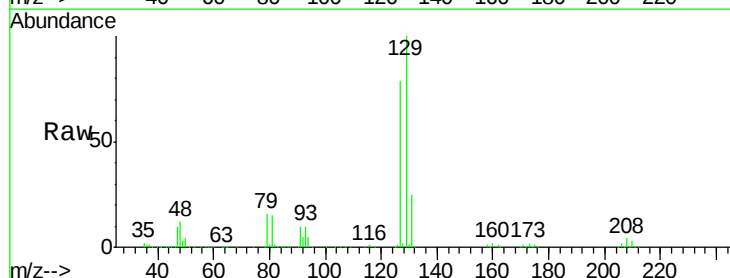
Acq: 19 Oct 2020 12:48

Tgt Ion:129 Resp: 2337895

Ion Ratio Lower Upper

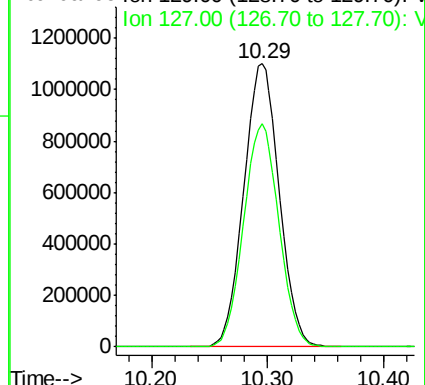
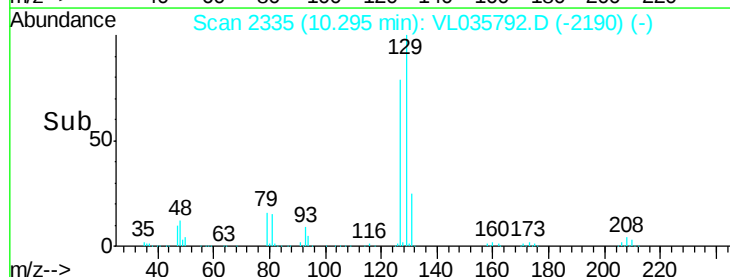
129 100

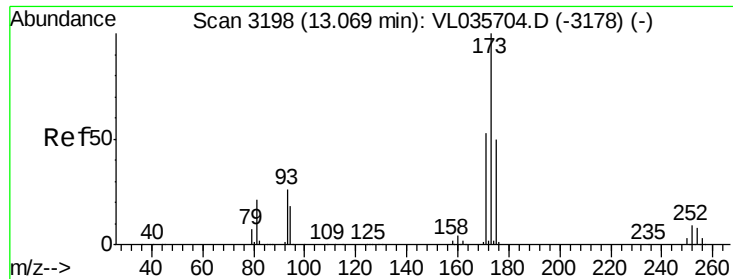
127 78.7 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.565 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

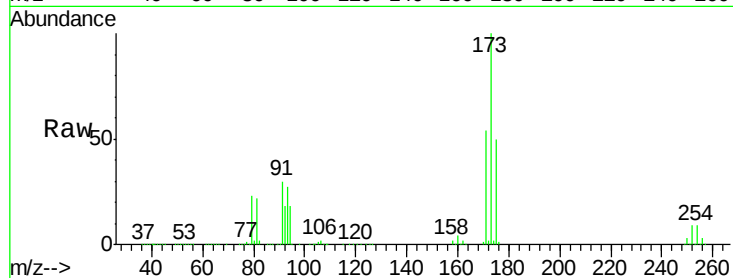
Tot Ion:173 Resp: 2060180

Ion Ratio Lower Upper

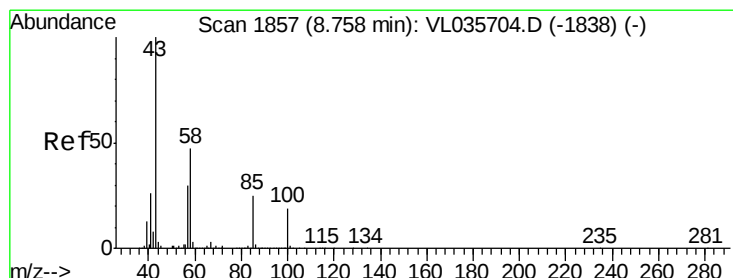
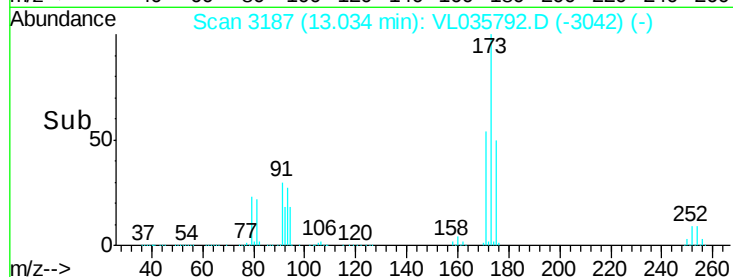
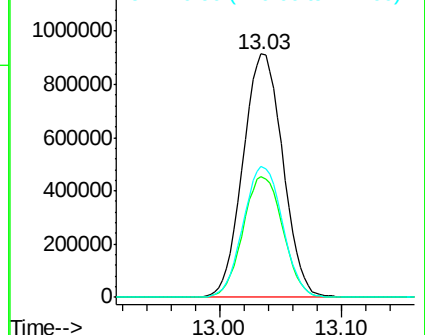
173 100

175 49.8 39.8 59.6

171 53.5 42.8 64.2



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: 10.001 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.03 min

Lab File: VL035792.D

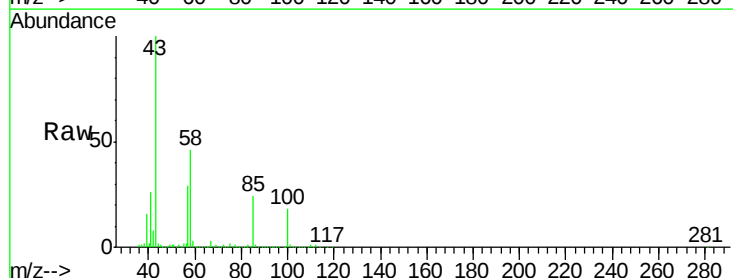
Acq: 19 Oct 2020 12:48

Tgt Ion: 43 Resp: 2156559

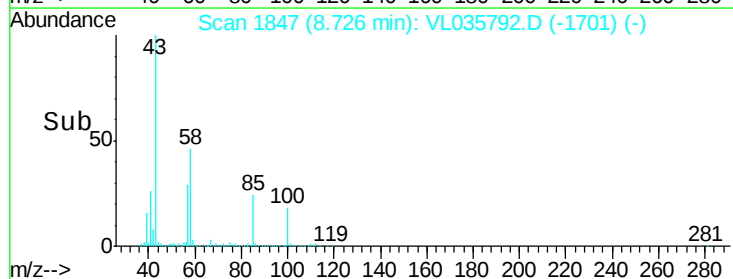
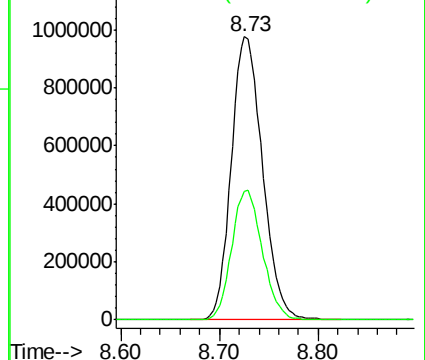
Ion Ratio Lower Upper

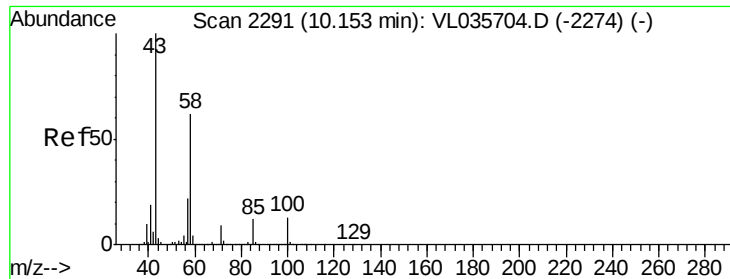
43 100

58 45.0 36.6 54.8



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

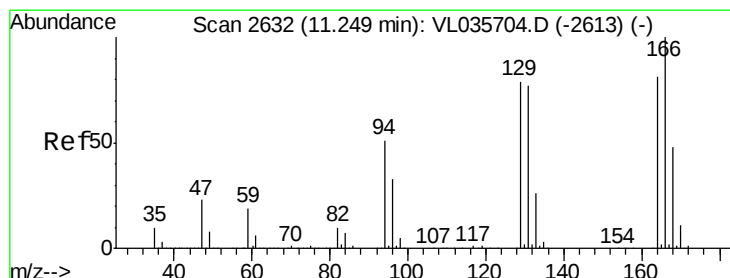
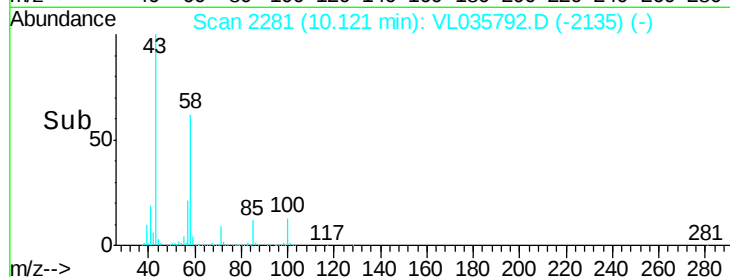
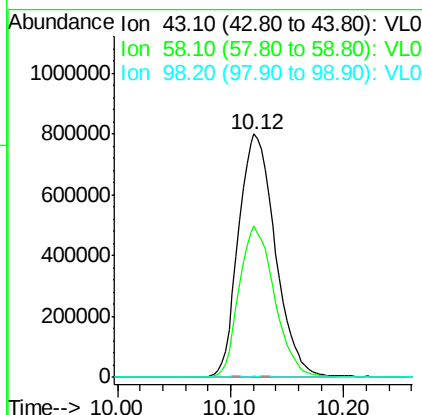
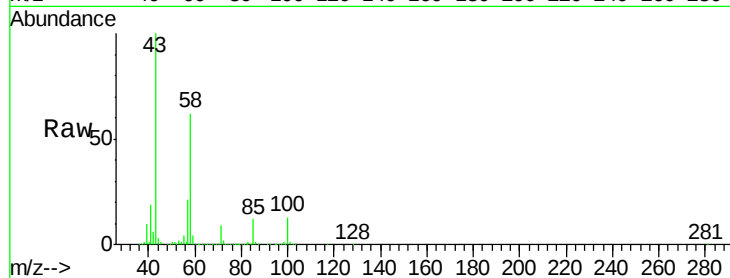




#51
2-Hexanone
Concen: 10.460 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

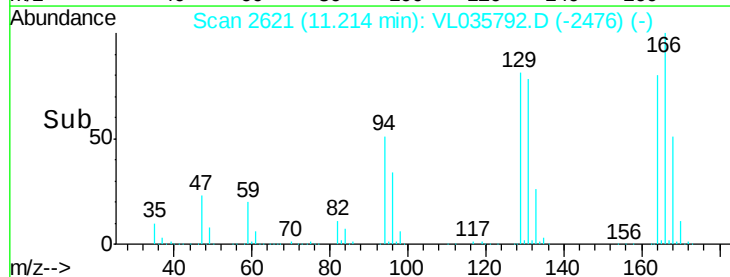
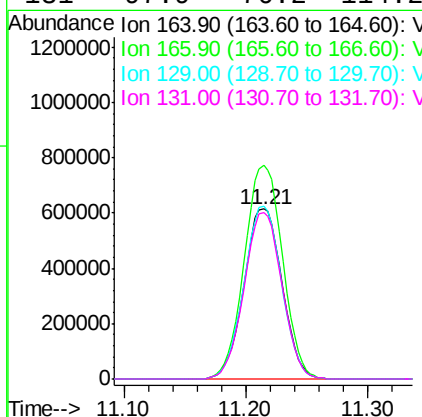
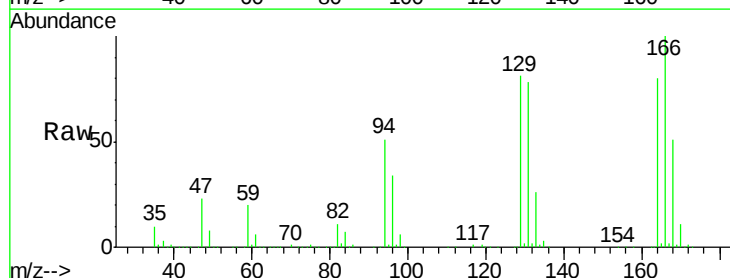
Instrument :
MSVOA_L
ClientSampleId :
VL1019ABS01

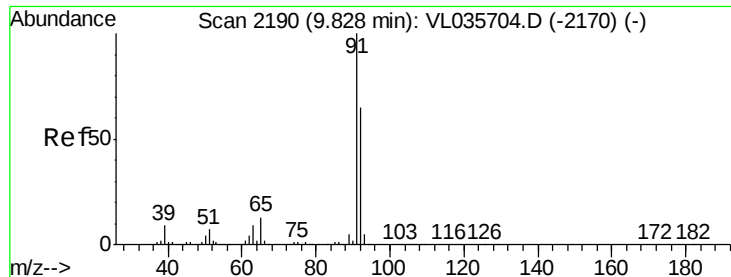
Tot Ion: 43 Resp: 1817270
Ion Ratio Lower Upper
43 100
58 60.1 48.7 73.1
98 0.8 0.7 1.1



#52
Tetrachloroethene
Concen: 9.477 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.04 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

Tgt Ion: 164 Resp: 1325517
Ion Ratio Lower Upper
164 100
166 125.7 98.7 148.1
129 101.4 78.4 117.6
131 97.9 76.2 114.2





#53

Toluene

Concen: 10.442 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

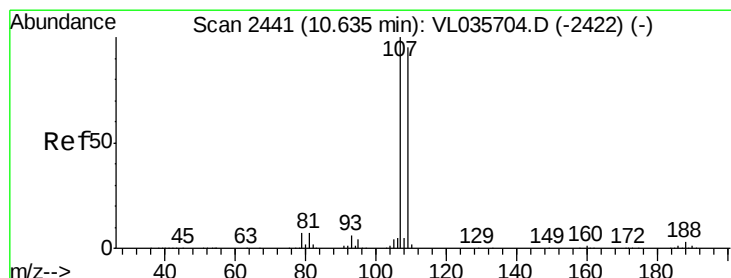
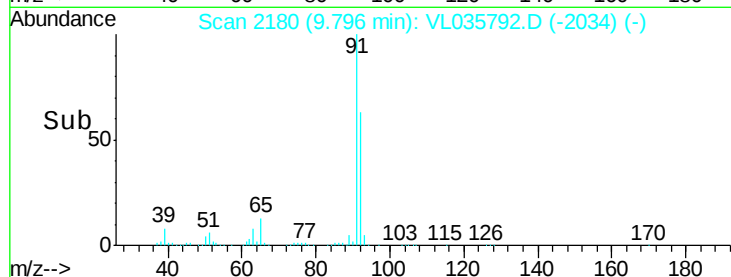
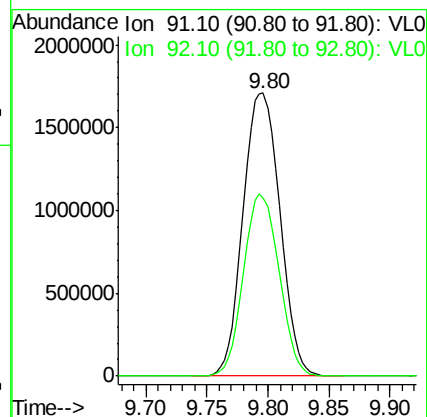
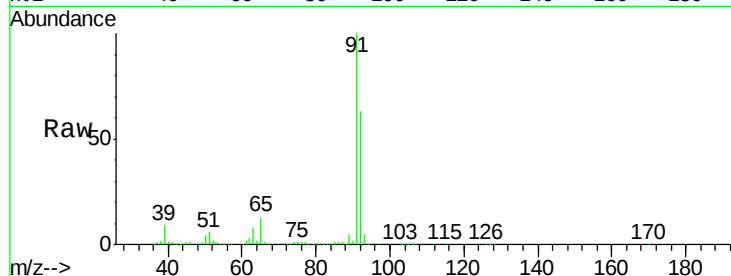
VL1019ABS01

Tot Ion: 91 Resp: 3581370

Ion Ratio Lower Upper

91 100

92 62.2 50.0 75.0



#54

1,2-Dibromoethane

Concen: 9.715 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.04 min

Lab File: VL035792.D

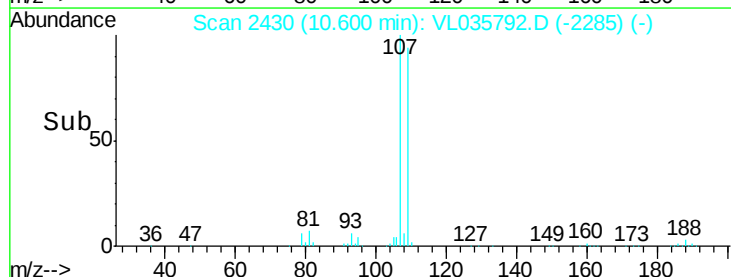
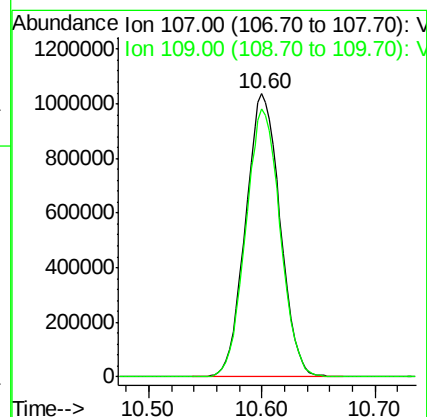
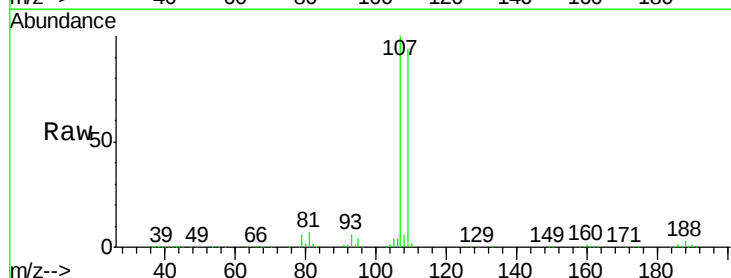
Acq: 19 Oct 2020 12:48

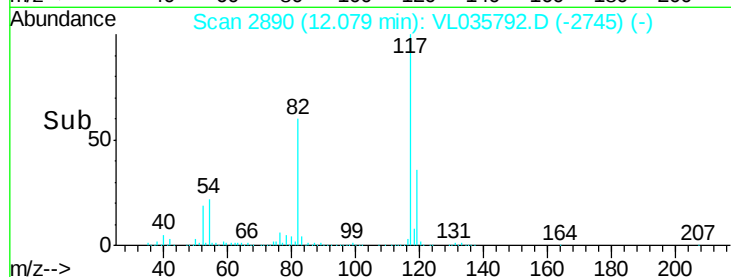
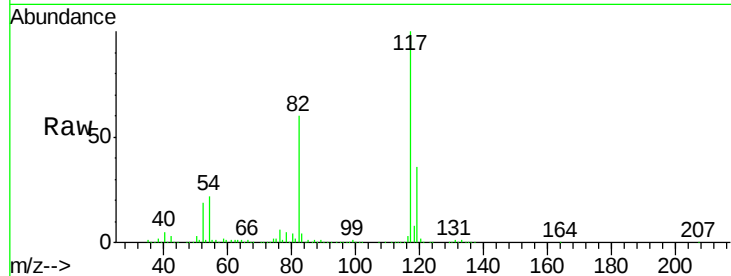
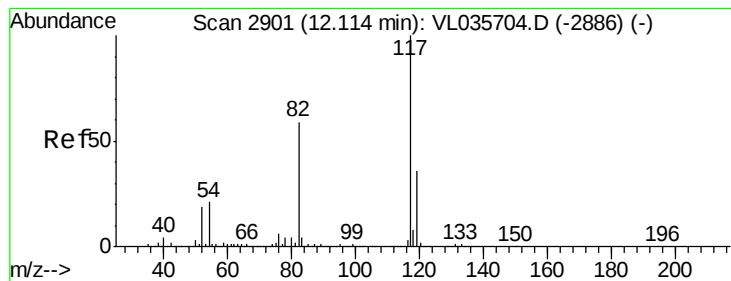
Tgt Ion:107 Resp: 2196494

Ion Ratio Lower Upper

107 100

109 94.5 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.08 min Scan# 2890

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

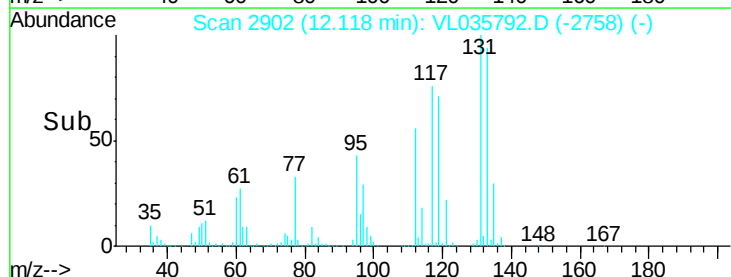
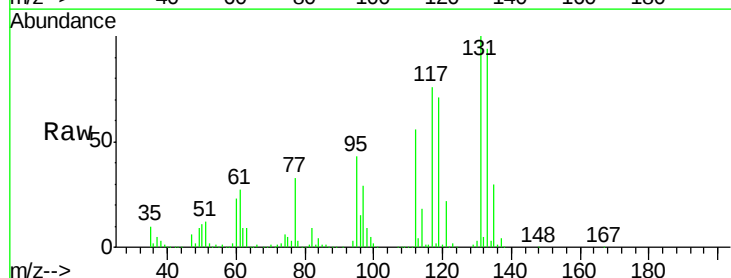
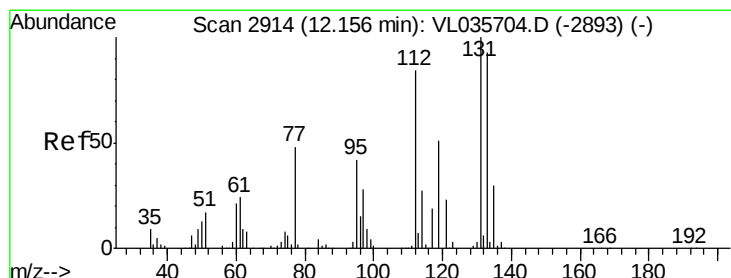
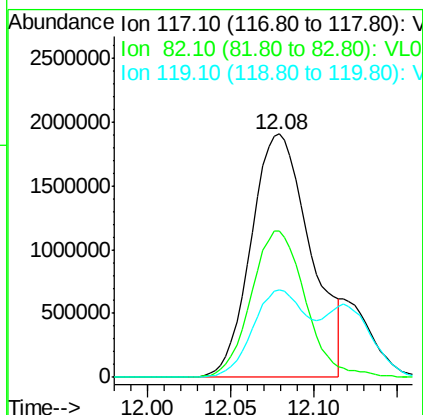
Tot Ion:117 Resp: 4713344

Ion Ratio Lower Upper

117 100

82 55.6 46.1 69.1

119 32.9 28.0 42.0



#56

1,1,1,2-Tetrachloroethane

Concen: 9.225 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

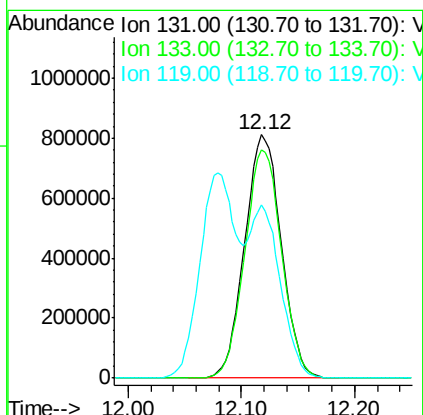
Tgt Ion:131 Resp: 1823185

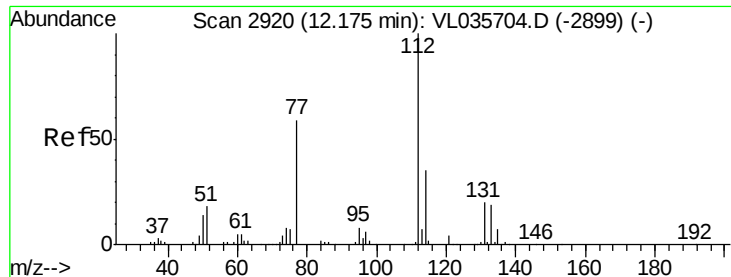
Ion Ratio Lower Upper

131 100

133 94.7 76.2 114.4

119 56.7 52.4 78.6

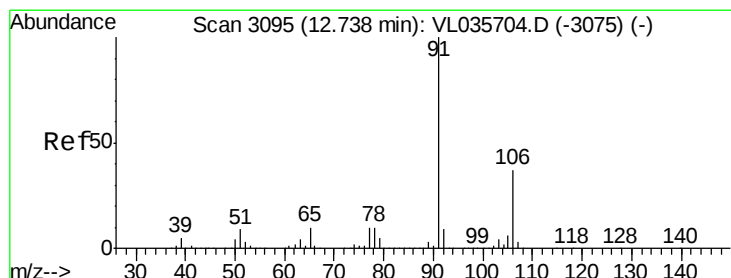
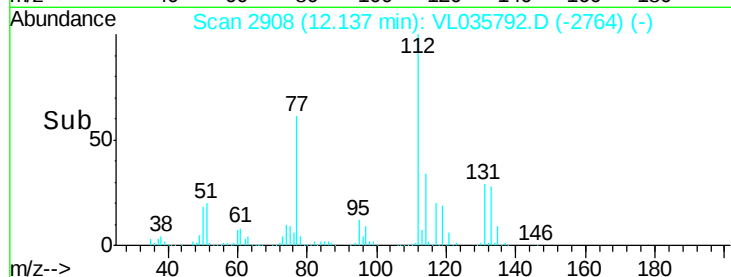
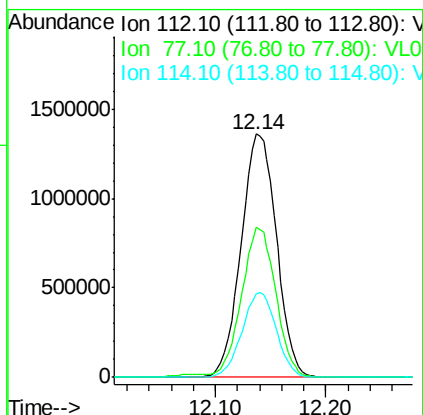
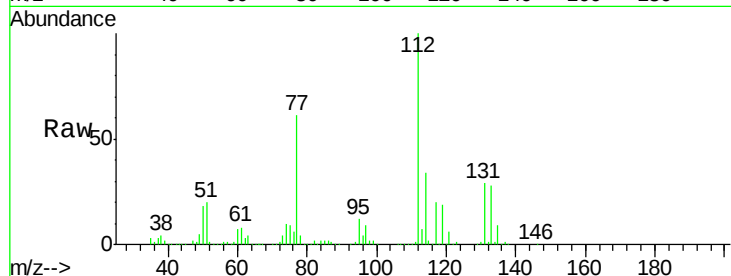




#57
Chlorobenzene
Concen: 8.479 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.04 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

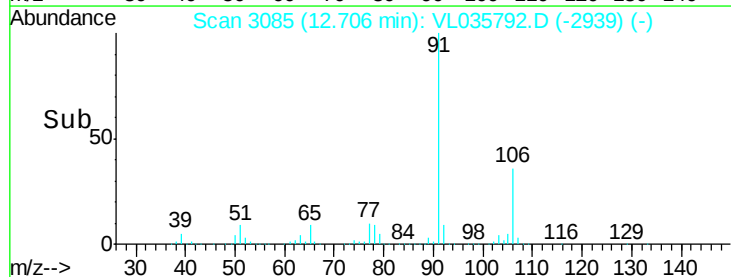
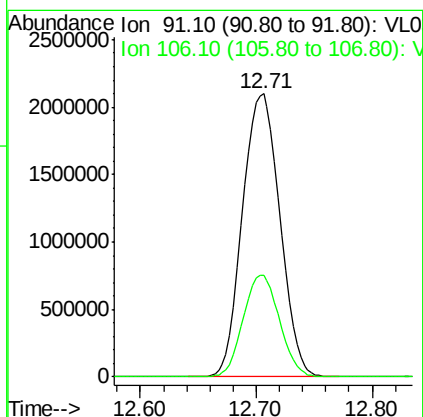
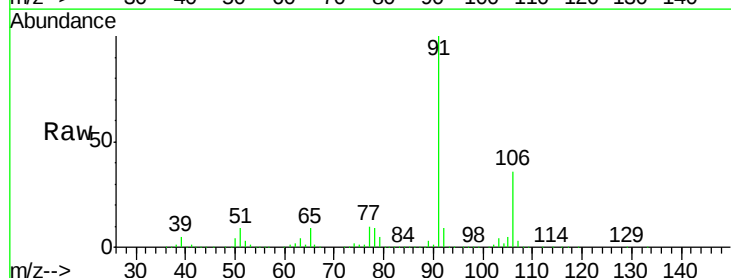
Instrument :
MSVOA_L
ClientSampleId :
VL1019ABS01

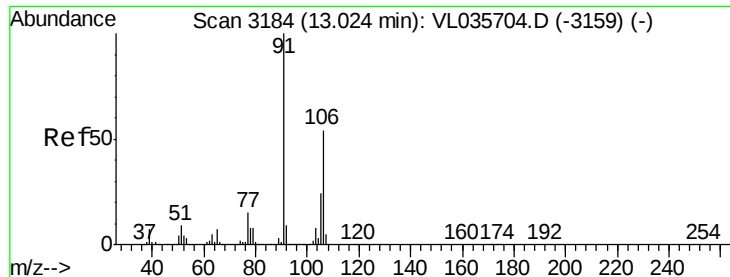
Tot Ion:112 Resp: 3018559
Ion Ratio Lower Upper
112 100
77 61.4 48.2 72.2
114 34.3 31.9 39.1



#58
Ethyl Benzene
Concen: 9.971 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

Tgt Ion: 91 Resp: 4716958
Ion Ratio Lower Upper
91 100
106 36.0 29.7 44.5





#59

m/p-Xylene

Concen: 19.700 ppbv m

RT: 12.99 min Scan# 3173

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

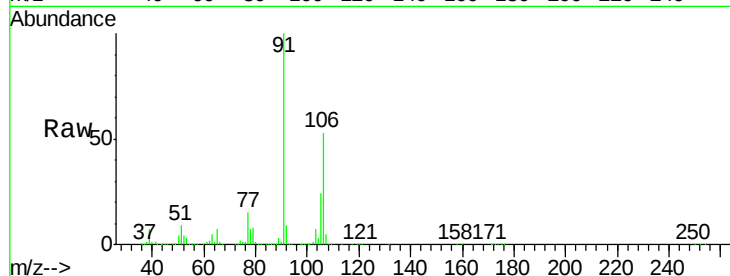
VL1019ABS01

Tot Ion: 91 Resp: 8138889

Ion Ratio Lower Upper

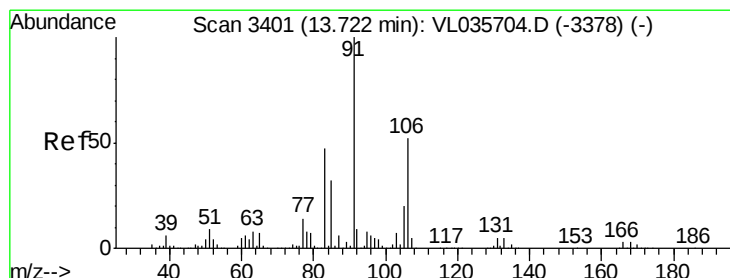
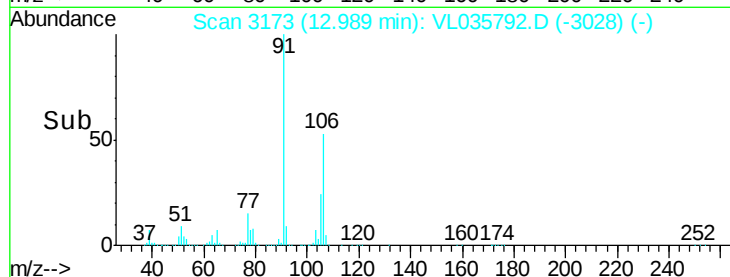
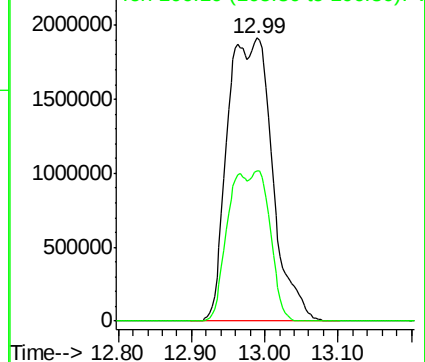
91 100

106 49.2 41.4 62.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 9.482 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. -0.04 min

Lab File: VL035792.D

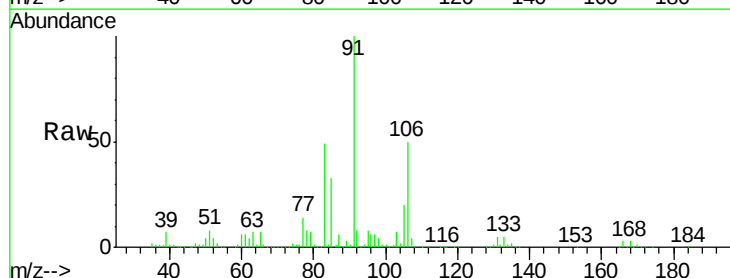
Acq: 19 Oct 2020 12:48

Tgt Ion: 91 Resp: 3962646

Ion Ratio Lower Upper

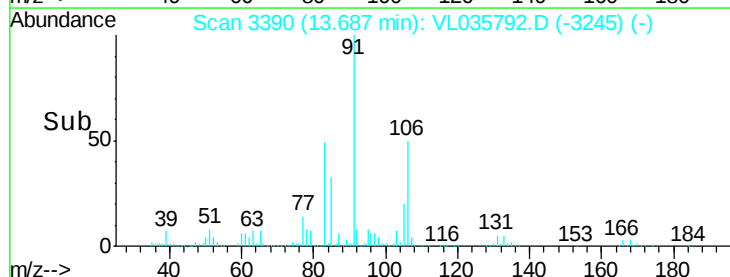
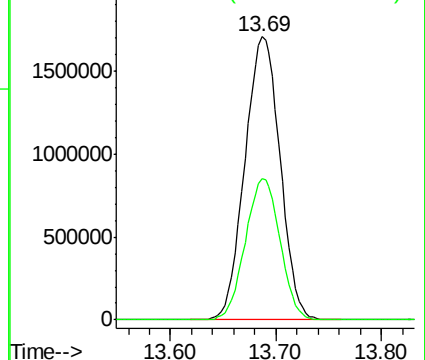
91 100

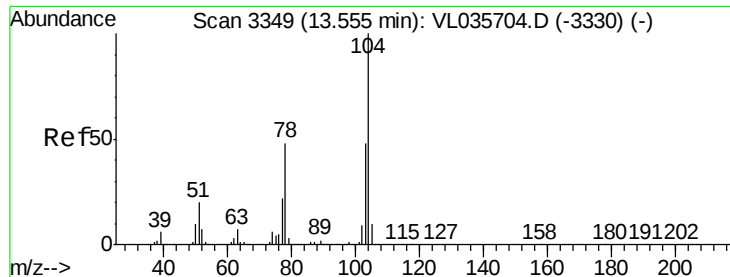
106 49.4 25.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 10.604 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

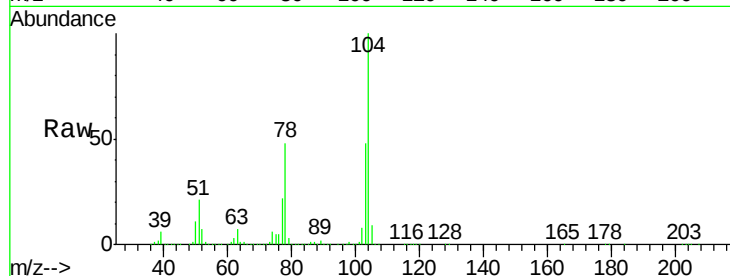
Tot Ion:104 Resp: 3064143

Ion Ratio Lower Upper

104 100

78 46.9 37.2 55.8

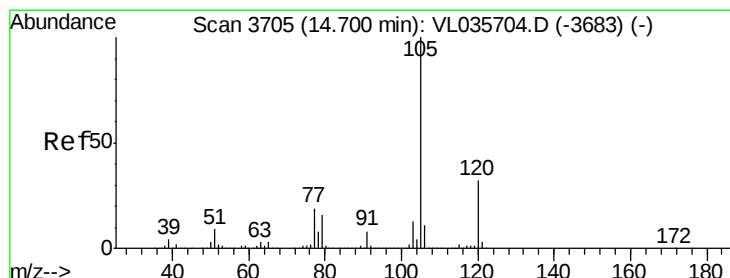
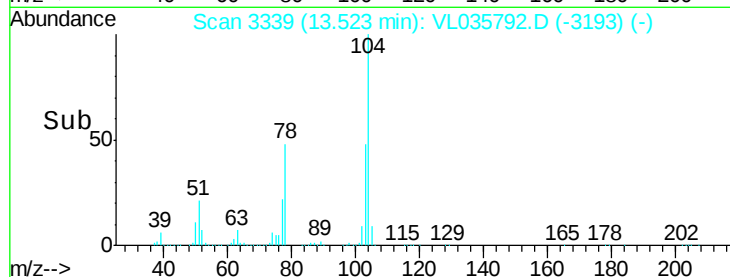
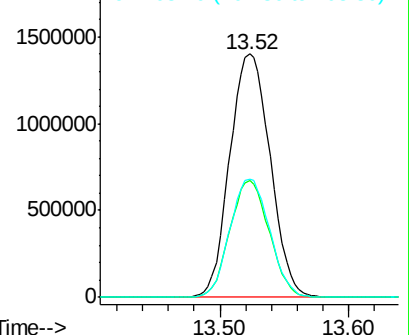
103 47.8 38.2 57.2



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: 9.182 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.04 min

Lab File: VL035792.D

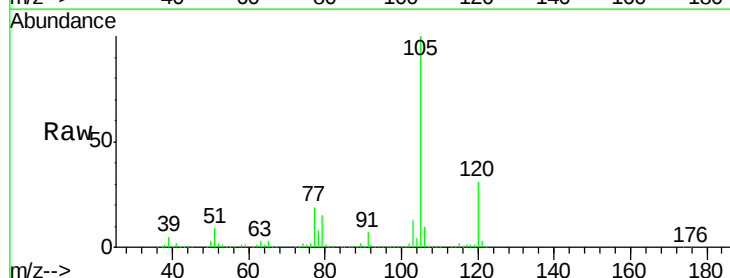
Acq: 19 Oct 2020 12:48

Tgt Ion:105 Resp: 5951987

Ion Ratio Lower Upper

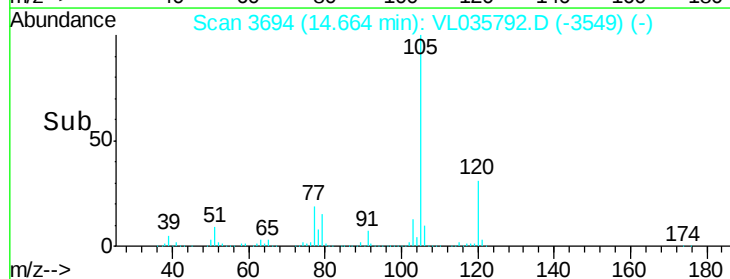
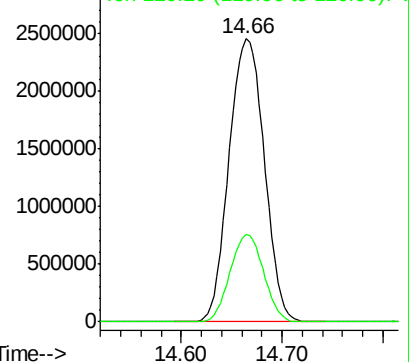
105 100

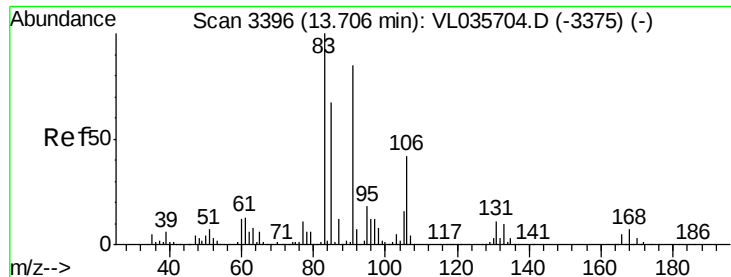
120 29.3 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.433 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

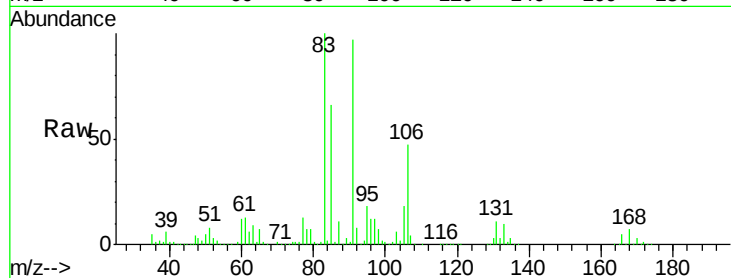
Tot Ion: 83 Resp: 2889935

Ion Ratio Lower Upper

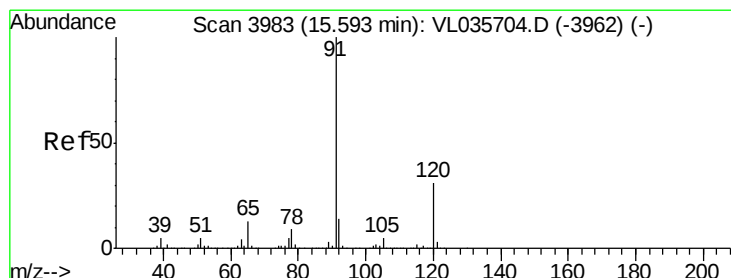
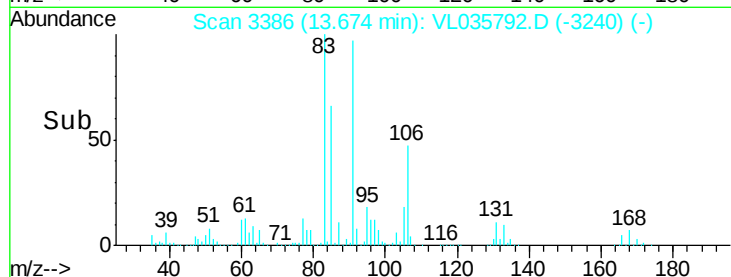
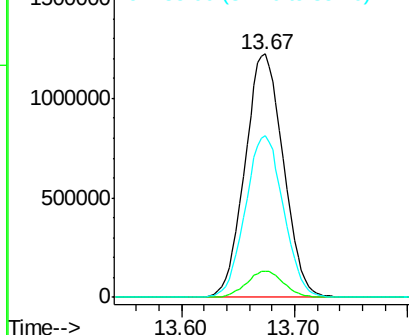
83 100

131 10.5 5.3 16.1

85 66.1 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.549 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.04 min

Lab File: VL035792.D

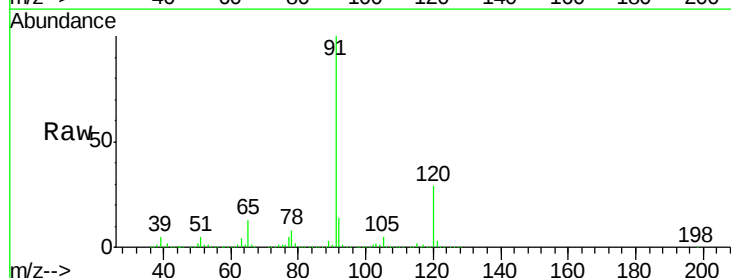
Acq: 19 Oct 2020 12:48

Tgt Ion:120 Resp: 1811599

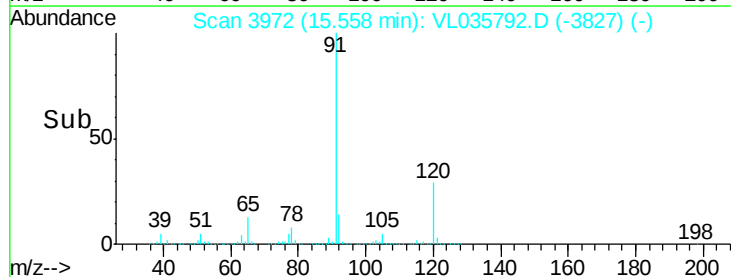
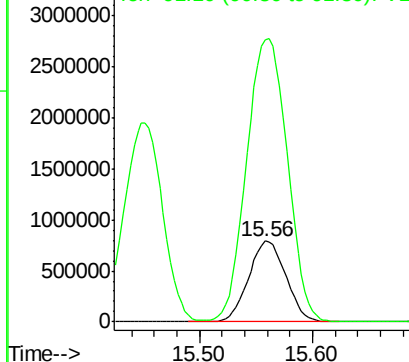
Ion Ratio Lower Upper

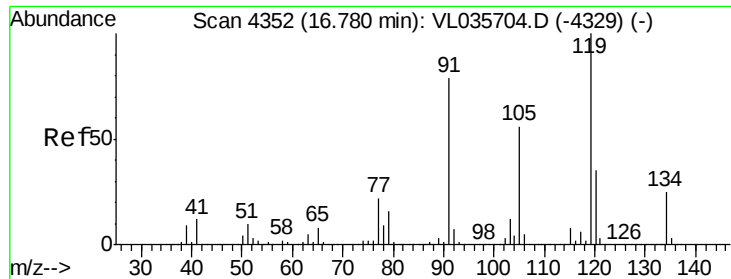
120 100

91 384.3 300.4 450.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

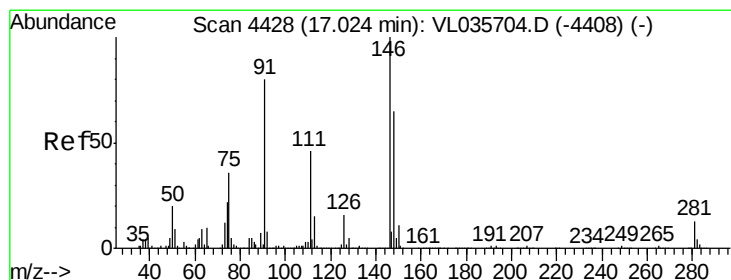
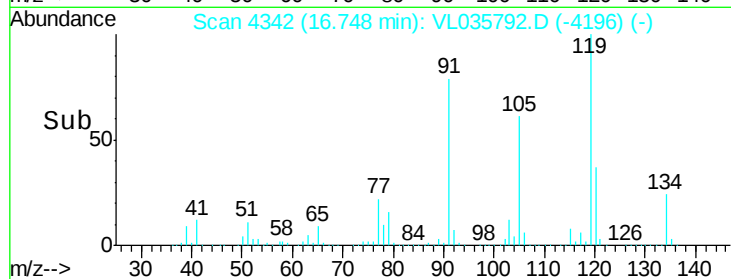
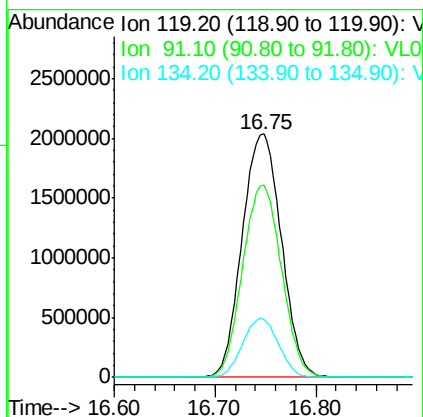
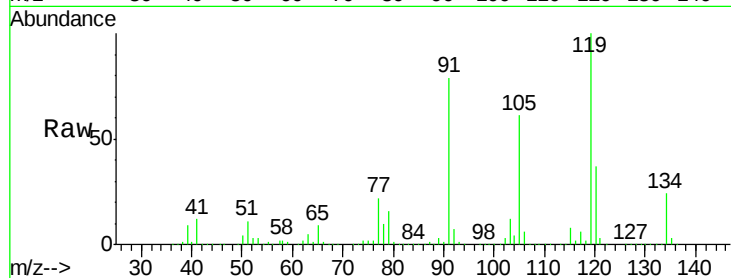




#65
tert-Butylbenzene
Concen: 9.331 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. -0.03 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

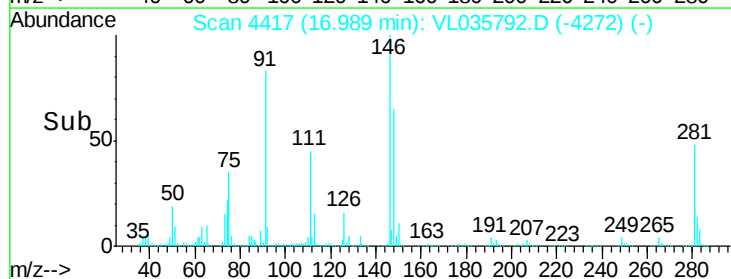
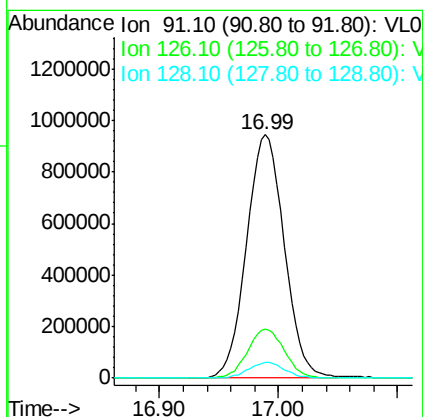
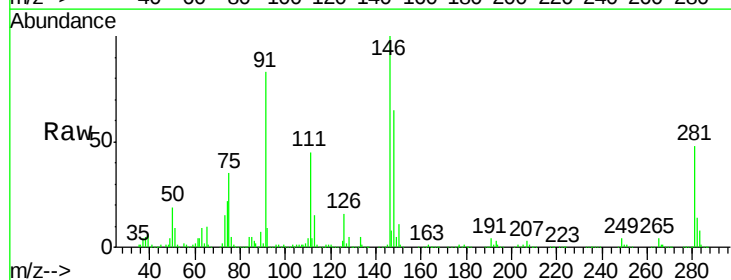
Instrument :
MSVOA_L
ClientSampleId :
VL1019ABS01

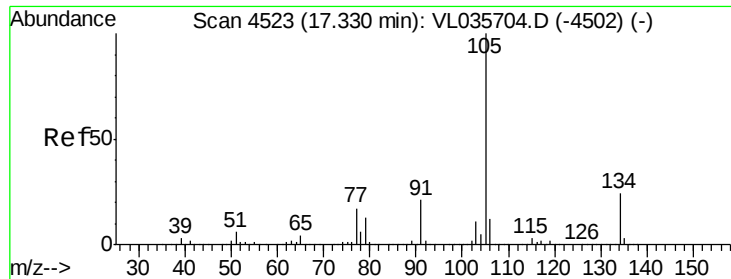
Tot Ion:119 Resp: 5498942
Ion Ratio Lower Upper
119 100
91 78.3 62.4 93.6
134 22.2 18.2 27.2



#66
Benzyl Chloride
Concen: 11.584 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. -0.04 min
Lab File: VL035792.D
Acq: 19 Oct 2020 12:48

Tgt Ion: 91 Resp: 2068430
Ion Ratio Lower Upper
91 100
126 19.7 15.3 22.9
128 6.3 5.0 7.4

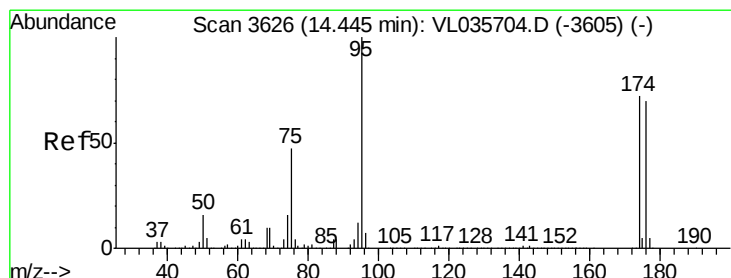
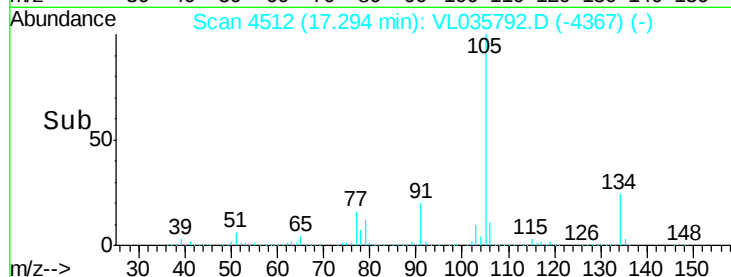
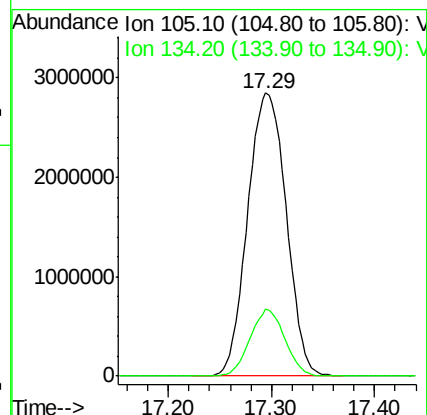
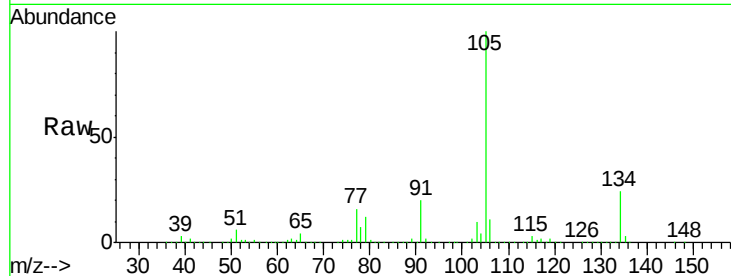




#67
 sec-Butylbenzene
 Concen: 9.098 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.04 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

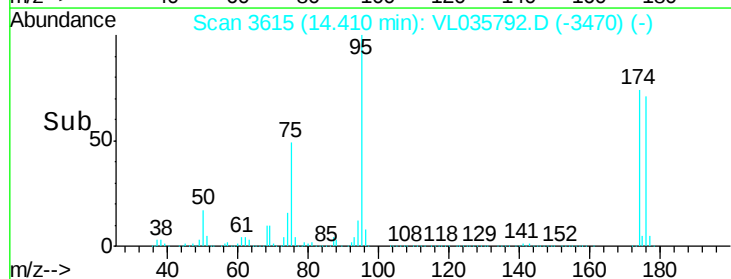
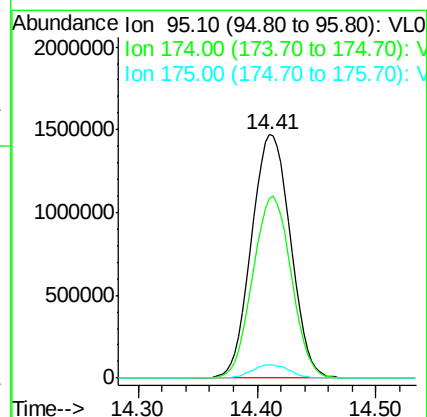
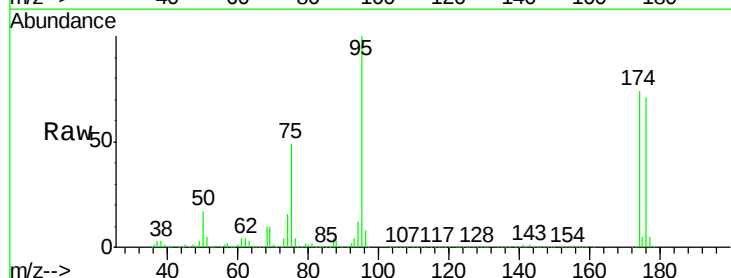
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1019ABS01

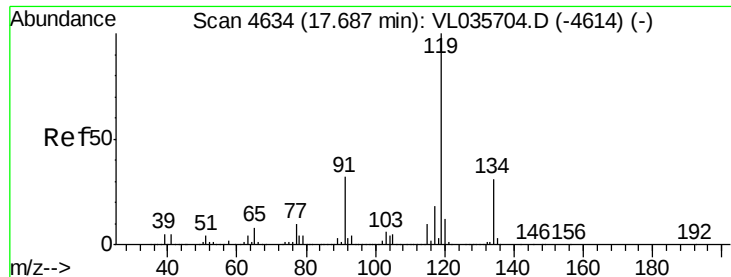
Tot Ion:105 Resp: 7404508
 Ion Ratio Lower Upper
 105 100
 134 21.4 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.469 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.04 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

Tgt Ion: 95 Resp: 3344384
 Ion Ratio Lower Upper
 95 100
 174 74.0 59.6 89.4
 175 5.3 4.2 6.4

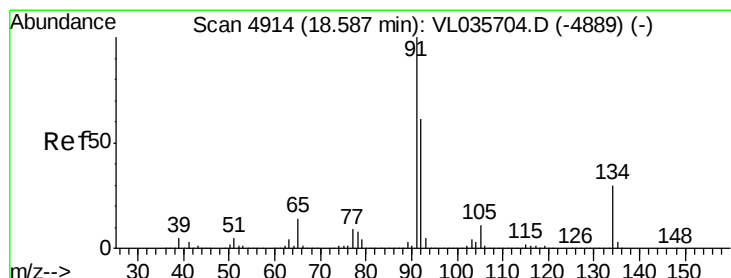
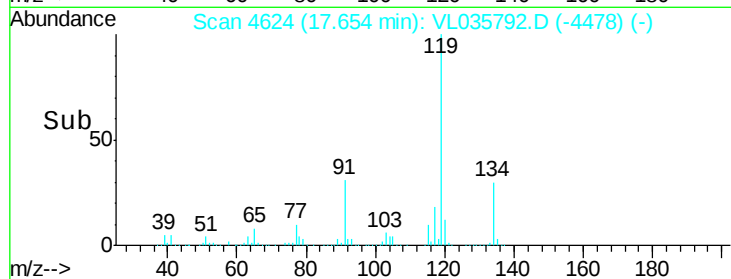
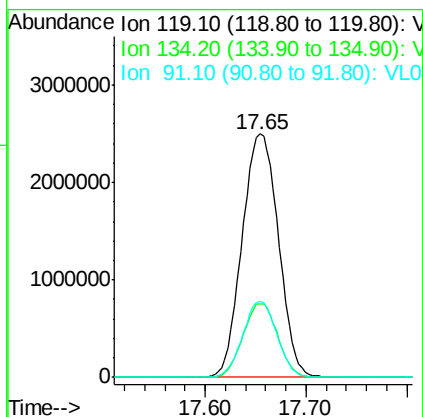
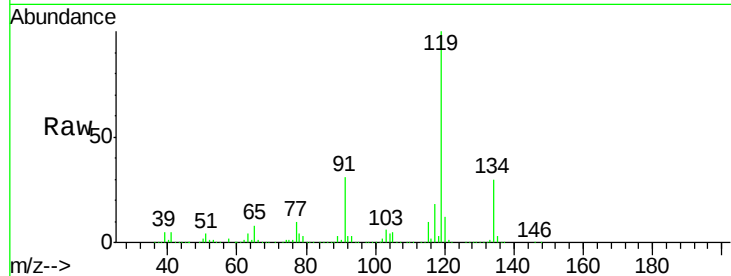




#69
 p-Isopropyltoluene
 Concen: 9.411 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.03 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

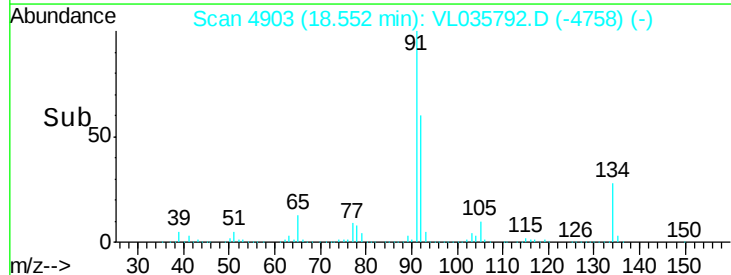
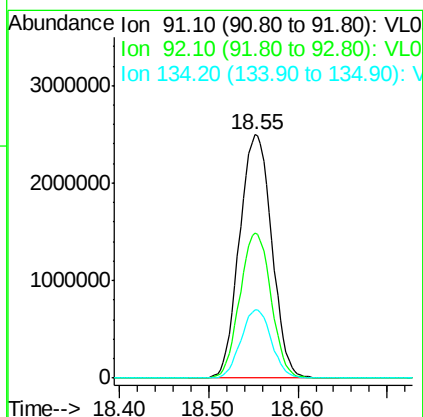
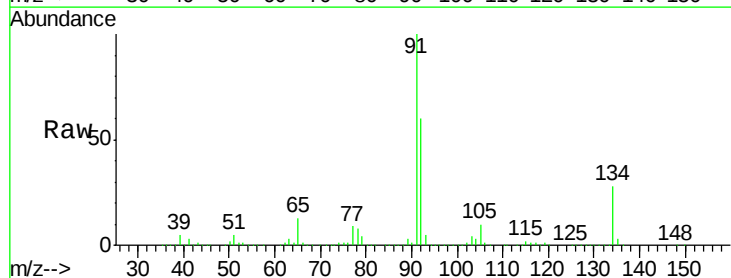
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1019ABS01

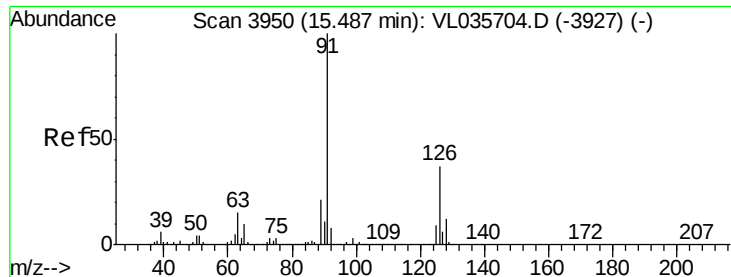
Tot Ion:119 Resp: 6231005
 Ion Ratio Lower Upper
 119 100
 134 28.9 23.9 35.9
 91 29.4 23.8 35.6



#70
 n-Butylbenzene
 Concen: 9.203 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.04 min
 Lab File: VL035792.D
 Acq: 19 Oct 2020 12:48

Tgt Ion: 91 Resp: 6274995
 Ion Ratio Lower Upper
 91 100
 92 57.7 47.0 70.4
 134 26.6 21.9 32.9





#71

2-Chlorotoluene

Concen: 9.675 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

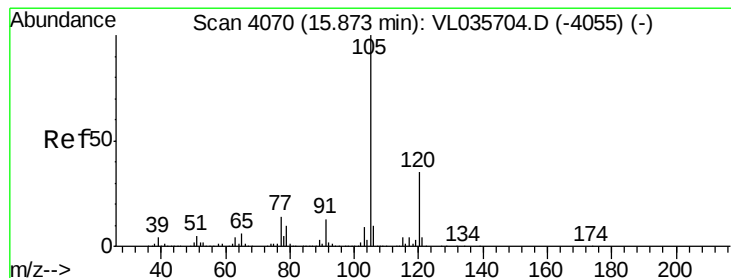
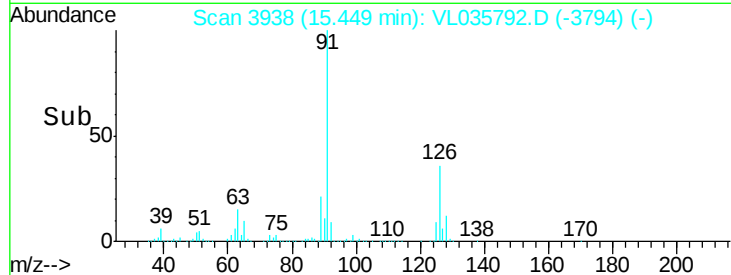
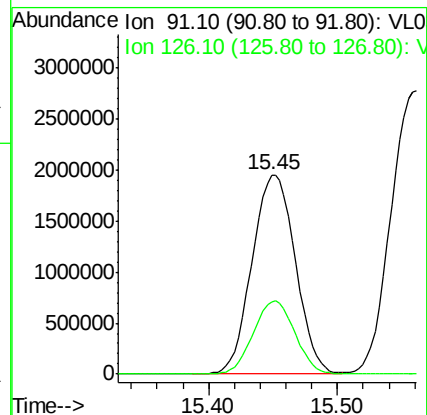
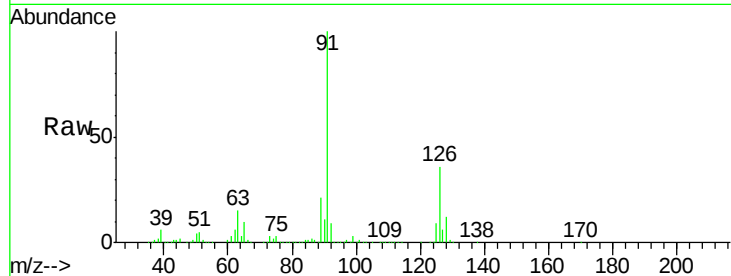
VL1019ABS01

Tot Ion: 91 Resp: 4574412

Ion Ratio Lower Upper

91 100

126 35.3 14.4 57.4



#72

4-Ethyltoluene

Concen: 9.834 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Tgt Ion:105 Resp: 4868724

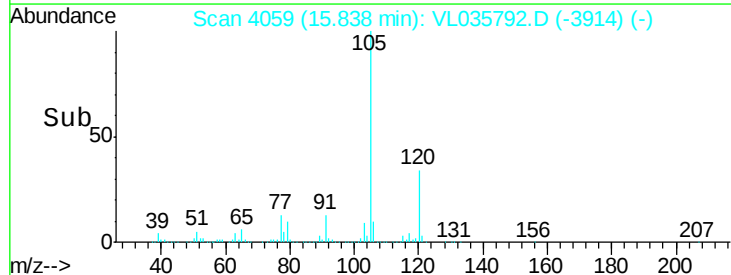
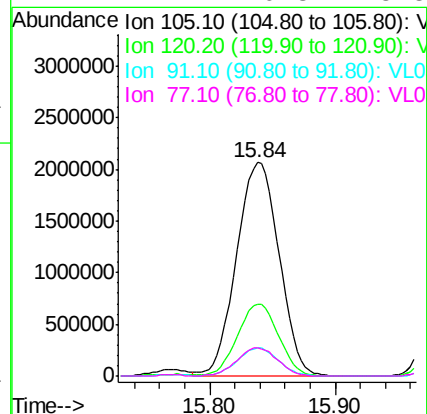
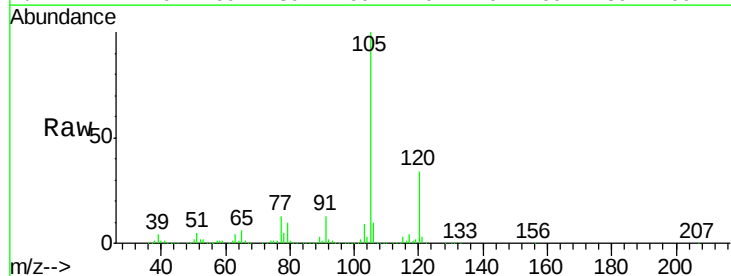
Ion Ratio Lower Upper

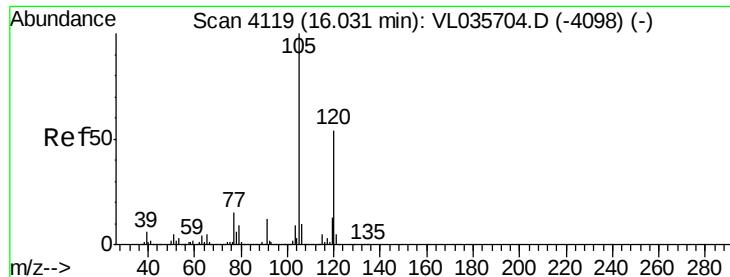
105 100

120 32.6 26.5 39.7

91 12.6 10.2 15.2

77 12.7 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 9.639 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

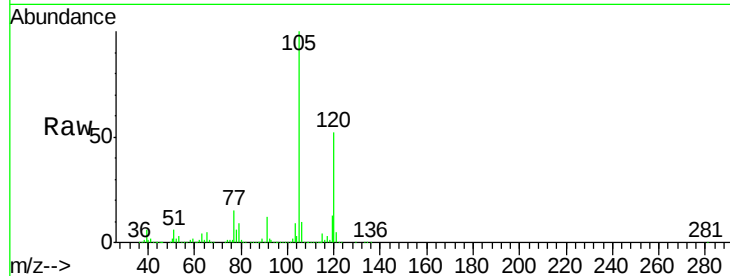
VL1019ABS01

Tot Ion:105 Resp: 4509616

Ion Ratio Lower Upper

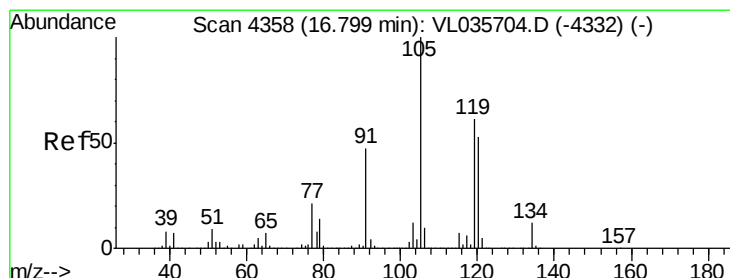
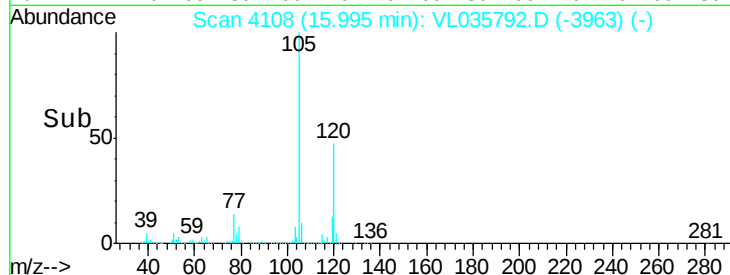
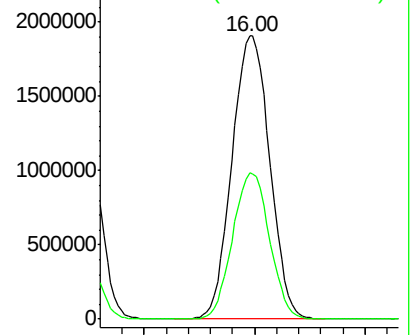
105 100

120 51.9 43.0 64.4



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: 8.967 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Tgt Ion:105 Resp: 4729152

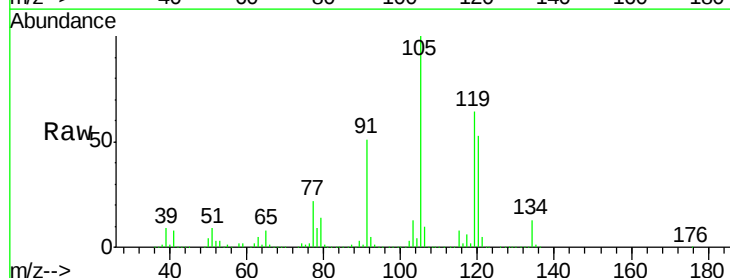
Ion Ratio Lower Upper

105 100

120 53.3 42.5 63.7

91 50.7 37.7 56.5

77 21.5 16.7 25.1

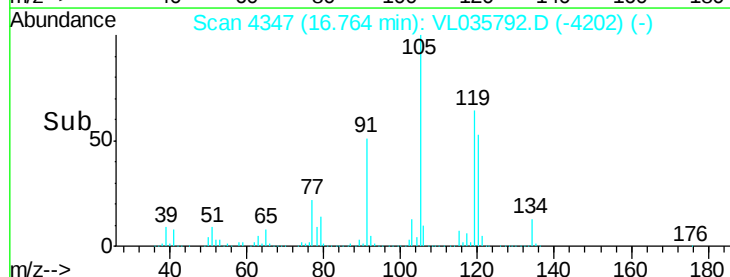
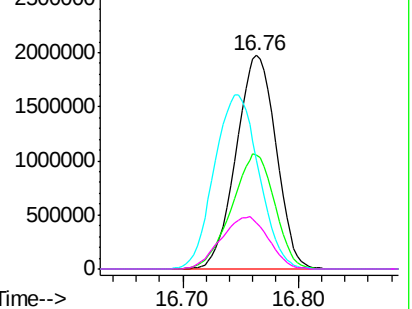


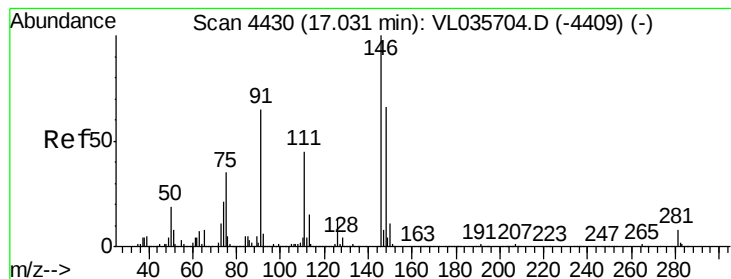
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.535 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

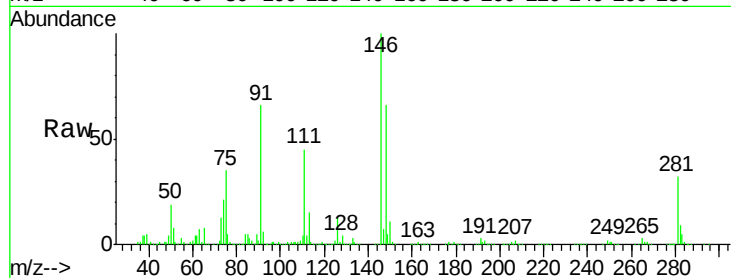
Tot Ion:146 Resp: 3072981

Ion Ratio Lower Upper

146 100

111 44.5 22.4 67.0

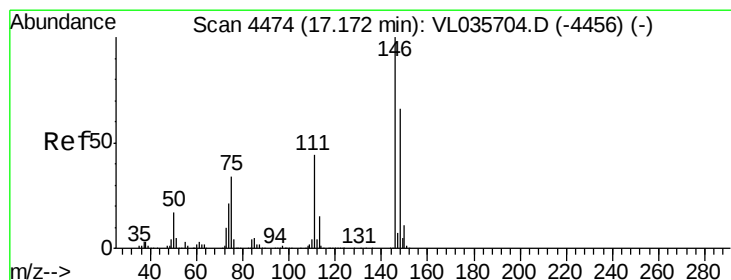
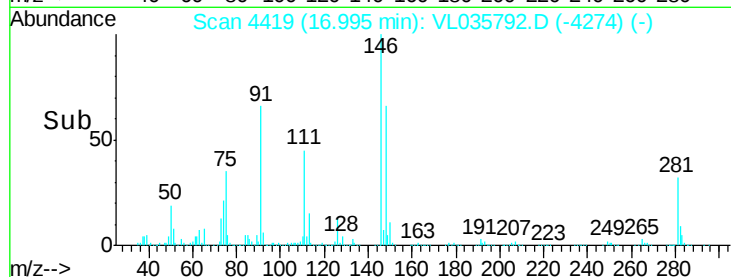
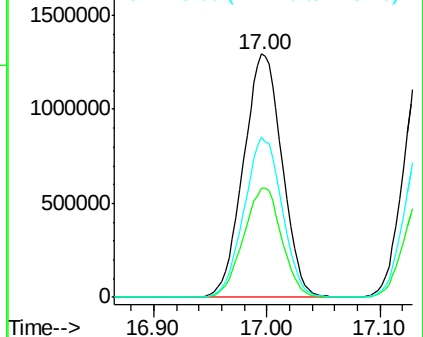
148 65.0 33.0 99.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.031 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

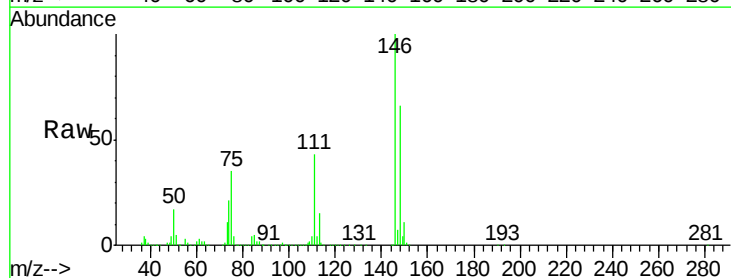
Tgt Ion:146 Resp: 3108332

Ion Ratio Lower Upper

146 100

111 42.9 21.4 64.3

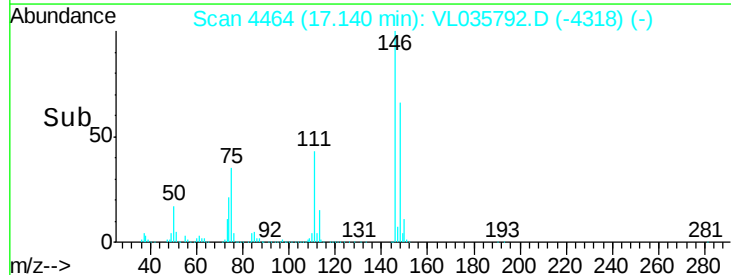
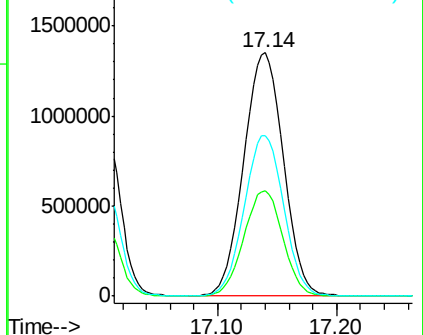
148 65.9 32.6 98.0

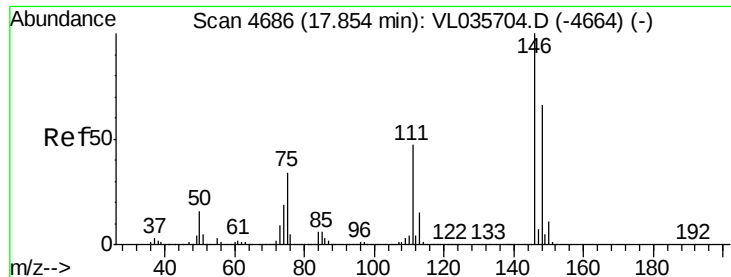


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.828 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

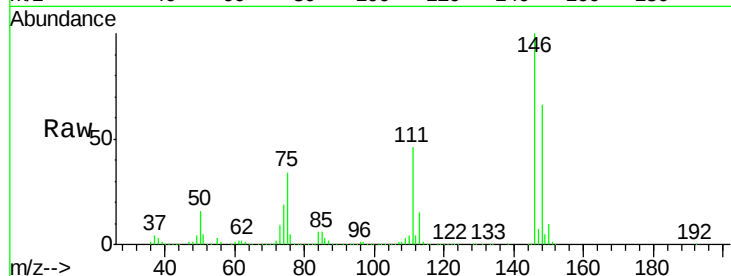
MSVOA_L

ClientSampleId :

VL1019ABS01

Tot Ion:146 Resp: 3002155

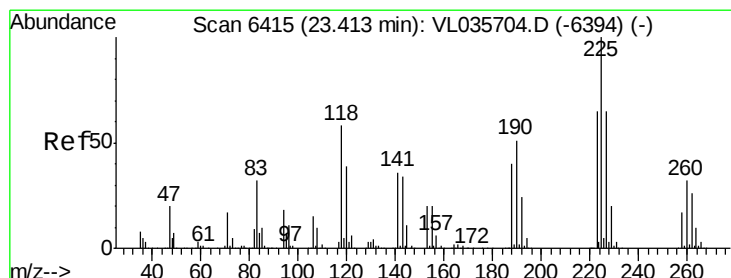
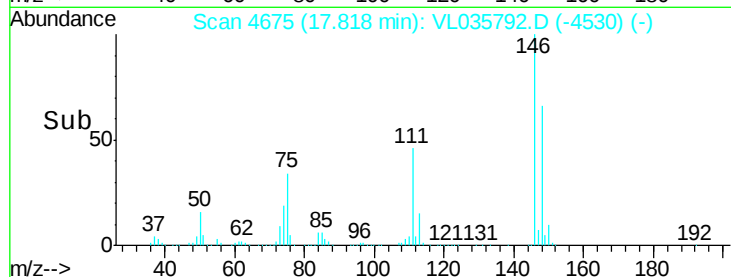
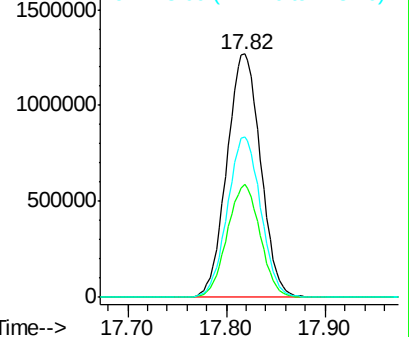
Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.9	68.5
148	65.0	32.6	98.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.647 ppbv

RT: 23.38 min Scan# 6405

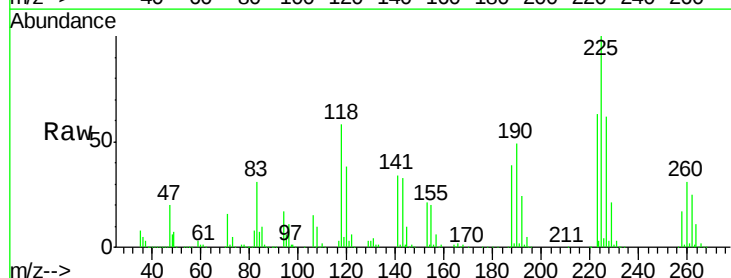
Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Tgt Ion:225 Resp: 1622489

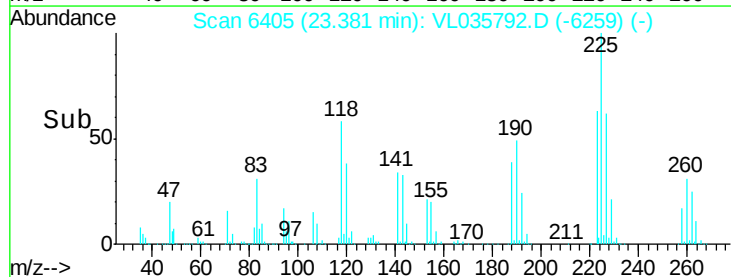
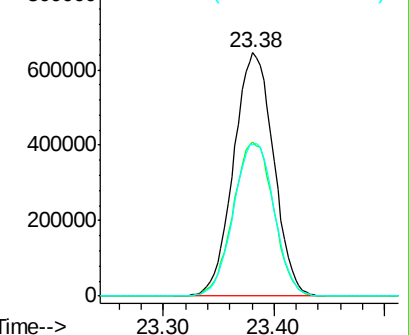
Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.3	76.9
227	64.0	51.6	77.4

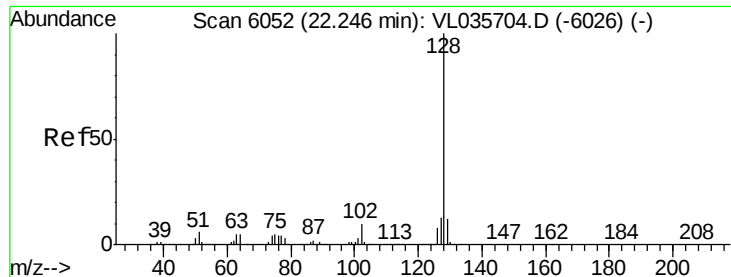


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.151 ppbv

RT: 22.20 min Scan# 6039

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

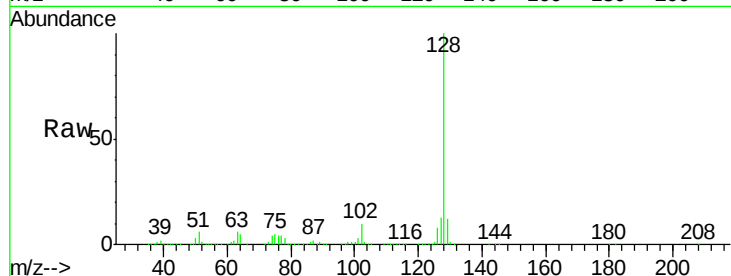
Tot Ion:128 Resp: 4603133

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

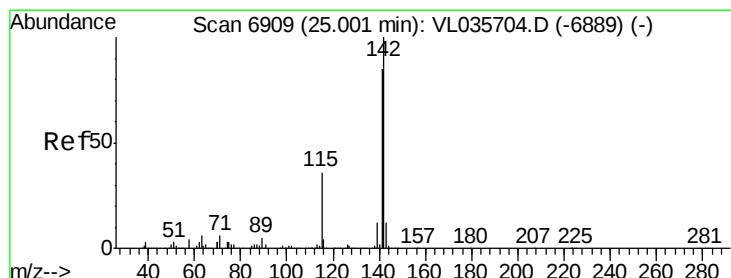
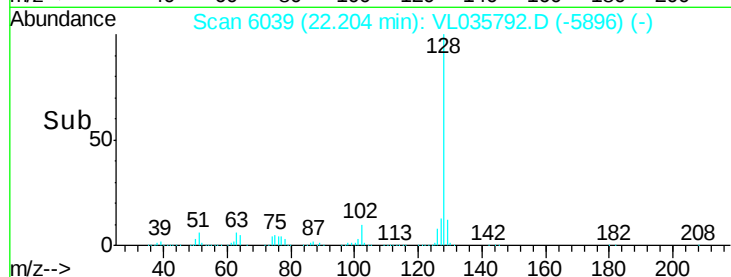
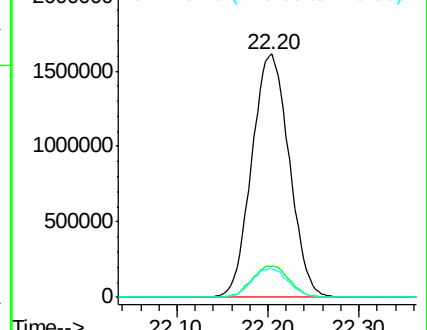
129 11.8 9.4 14.0



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.253 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.03 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

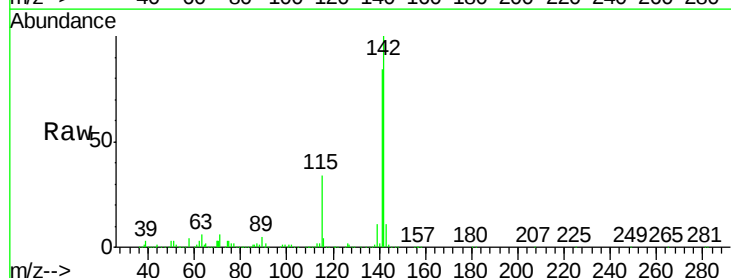
Tgt Ion:142 Resp: 1216423

Ion Ratio Lower Upper

142 100

141 84.6 68.2 102.4

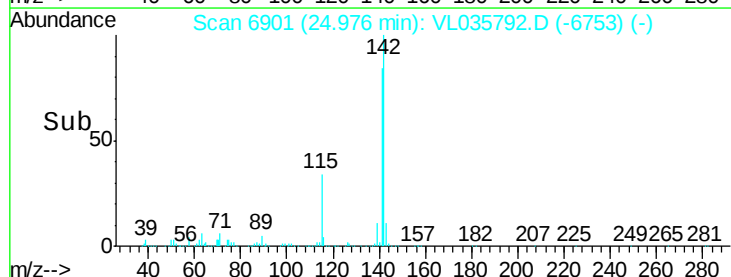
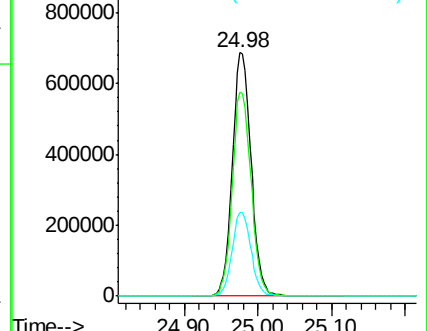
115 34.9 27.8 41.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.975 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. -0.04 min

Lab File: VL035792.D

Acq: 19 Oct 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1019ABS01

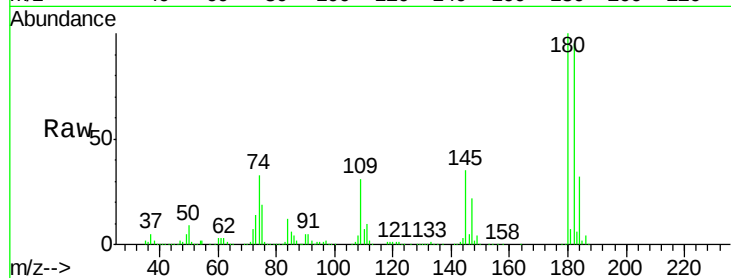
Tot Ion:180 Resp: 2339600

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

184 30.7 24.6 37.0



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

