

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036061.D
 Acq On : 3 Dec 2020 21:49
 Operator : SY/AP
 Sample : VL1203ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Quant Time: Dec 04 04:16:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 04 03:52:25 2020
 QLast Update : Fri Dec 04 03:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1186998	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4220043	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	5258321	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3272114	8.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1824670	8.931	ppbv 98
3) Chlorodifluoromethane	2.97	51	1349830	9.690	ppbv 100
4) Chloromethane	3.13	50	683774	9.983	ppbv 97
5) Vinyl Chloride	3.24	62	841056	9.671	ppbv 98
6) Bromomethane	3.46	94	689968	10.215	ppbv 99
7) Chloroethane	3.54	64	310783	9.980	ppbv 100
8) Dichlorotetrafluoroethane	3.17	85	2379260	9.752	ppbv 98
9) Propene	3.00	41	490544	10.065	ppbv 99
10) Heptane	8.11	43	1527696	11.355	ppbv 100
11) Trichlorofluoromethane	3.93	101	2815337	10.234	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2118398	10.105	ppbv 99
13) Ethanol	3.59	45	77839	8.446	ppbv 97
14) Bromoethene	3.73	108	893887	10.460	ppbv 99
15) Acetone	3.84	43	1147451	8.933	ppbv 100
16) 1,3-Butadiene	3.31	39	554203	10.310	ppbv 97
17) tert-Butyl alcohol	4.28	59	1318916	9.951	ppbv 99
18) 1,1-Dichloroethene	4.28	96	956007	10.306	ppbv 100
19) Isopropyl Alcohol	3.96	45	608608	9.588	ppbv 99
20) Methylene Chloride	4.33	84	805634	7.608	ppbv 99
21) Allyl Chloride	4.40	41	687607	10.680	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	976665	10.490	ppbv 98
23) Vinyl Acetate	5.06	43	1590921	11.229	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1636316	9.888	ppbv 99
25) Ethyl Acetate	5.66	43	2529924	10.063	ppbv 99
26) Hexane	5.67	57	1326768	9.845	ppbv 99
27) Carbon Disulfide	4.54	76	2142152	11.187	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	2009352	10.092	ppbv 100
29) Chloroform	5.74	83	2540381	10.184	ppbv 96
30) Cyclohexane	7.12	84	1349471	11.219	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1340360	10.963	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	2376723	10.407	ppbv 100
34) 2-Butanone	5.23	43	1540683	10.818	ppbv 99
35) Carbon Tetrachloride	7.01	117	2411759	10.996	ppbv 99
36) Benzene	6.88	78	3146636	10.742	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1570950	10.451	ppbv 100
38) Trichloroethene	7.83	130	1481504	11.414	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1134507	10.317	ppbv 99
40) 1,4-Dioxane	7.82	88	416128	11.336	ppbv # 1
41) Tetrahydrofuran	6.04	42	861640	11.446	ppbv 99
42) Bromodichloromethane	7.78	83	2633016	11.194	ppbv 98
43) Methyl Methacrylate	8.01	69	1318521	12.276	ppbv 100

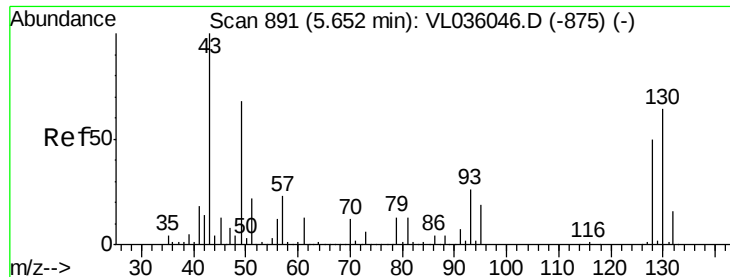
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036061.D
 Acq On : 3 Dec 2020 21:49
 Operator : SY/AP
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Quant Time: Dec 04 04:16:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 04 03:52:25 2020
 QLast Update : Fri Dec 04 03:52:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4596999	10.668	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1329275	13.236	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1711886	12.926	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1483070	10.621	ppbv	99
48) Dibromochloromethane	10.30	129	2356300	12.167	ppbv	100
49) Bromoform	13.03	173	1836759	12.807	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2533955	11.375	ppbv	100
51) 2-Hexanone	10.12	43	1988767	12.398	ppbv	99
52) Tetrachloroethene	11.22	164	1278273	11.346	ppbv	98
53) Toluene	9.80	91	3851695	12.031	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2173605	11.076	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1837831	8.558	ppbv	97
57) Chlorobenzene	12.14	112	3123523	8.070	ppbv	99
58) Ethyl Benzene	12.71	91	4938926	9.377	ppbv	98
59) m/p-Xylene	12.99	91	4578970	9.576	ppbv #	38
60) o-Xylene	13.69	91	4201675	8.739	ppbv	100
61) Styrene	13.52	104	2862188	10.418	ppbv	99
62) Isopropylbenzene	14.66	105	6080571	8.509	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	3010519	7.616	ppbv	100
64) n-propylbenzene	15.56	120	1726825	9.132	ppbv	100
65) tert-Butylbenzene	16.74	119	5283000	8.807	ppbv	99
66) Benzyl Chloride	16.99	91	1459764	10.183	ppbv	99
67) sec-Butylbenzene	17.29	105	7137446	8.675	ppbv	100
69) p-Isopropyltoluene	17.65	119	5696934	9.239	ppbv	100
70) n-Butylbenzene	18.55	91	5637725	9.163	ppbv	100
71) 2-Chlorotoluene	15.45	91	4488984	9.075	ppbv	100
72) 4-Ethyltoluene	15.83	105	4710897	9.474	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4319902	9.240	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4537404	8.717	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2616162	8.392	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2522968	8.565	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2409586	8.377	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1316837	8.300	ppbv	99
79) Naphthalene	22.20	128	2729339	10.983	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	727974	13.991	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1609444	9.579	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL036061.D

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MSVOA_L

ClientSampleId :

VL1203ABS01

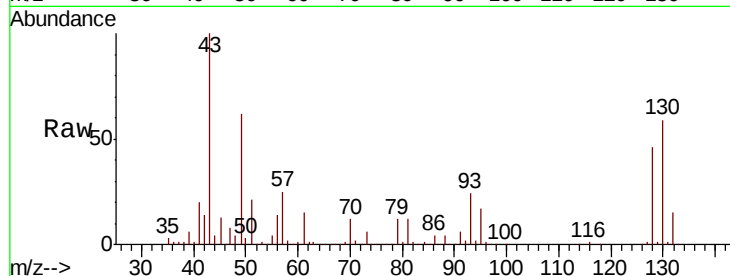
Tot Ion: 49 Resp: 1186998

Ion Ratio Lower Upper

49 100

128 76.7 38.3 114.8

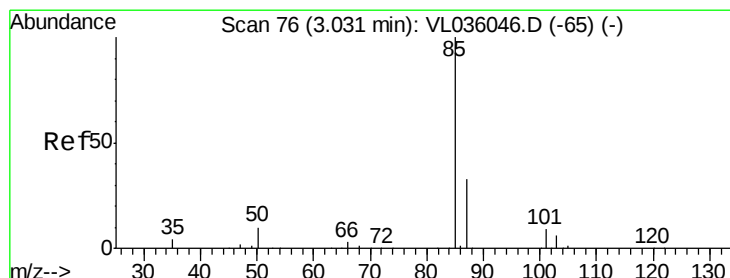
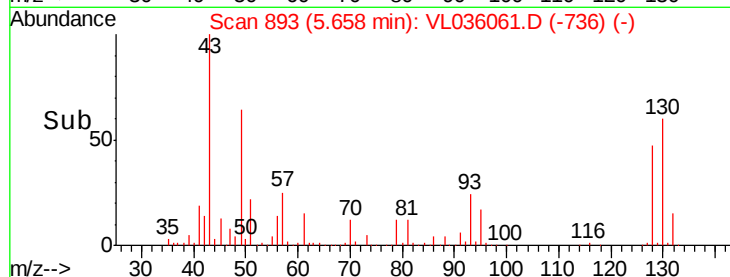
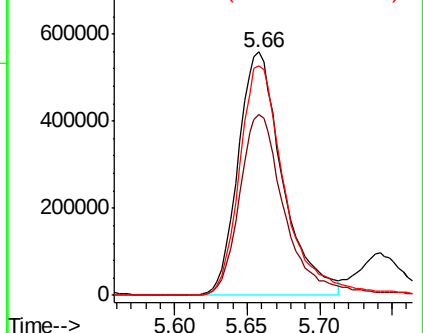
130 98.6 49.1 147.4



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: 8.931 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036061.D

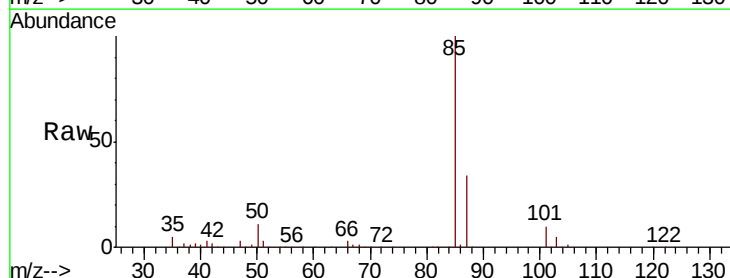
Acq: 3 Dec 2020 21:49

Tgt Ion: 85 Resp: 1824670

Ion Ratio Lower Upper

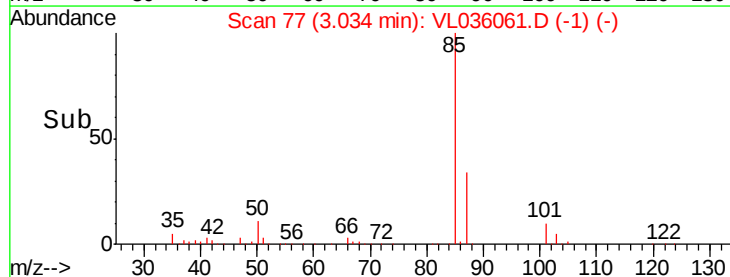
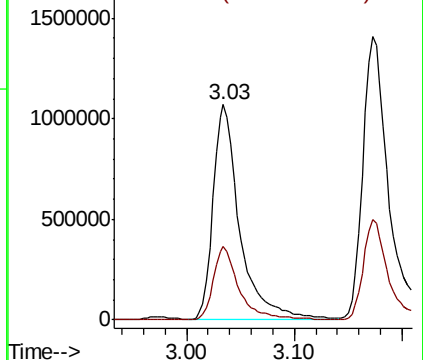
85 100

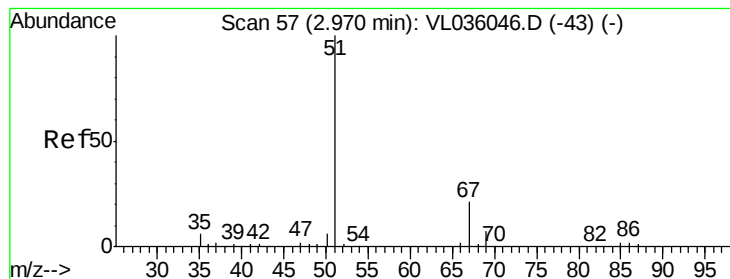
87 34.4 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.690 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

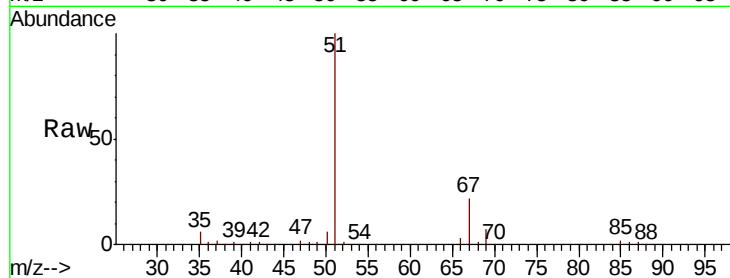
VL1203ABS01

Tot Ion: 51 Resp: 1349830

Ion Ratio Lower Upper

51 100

67 21.2 16.9 25.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

800000

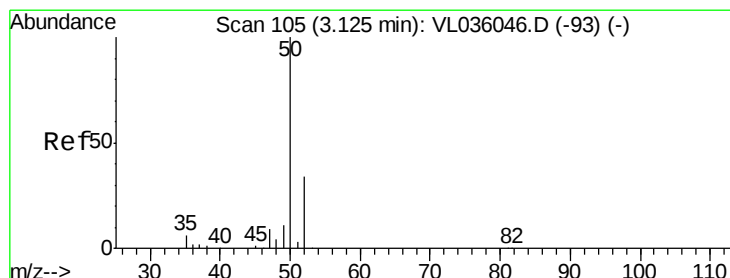
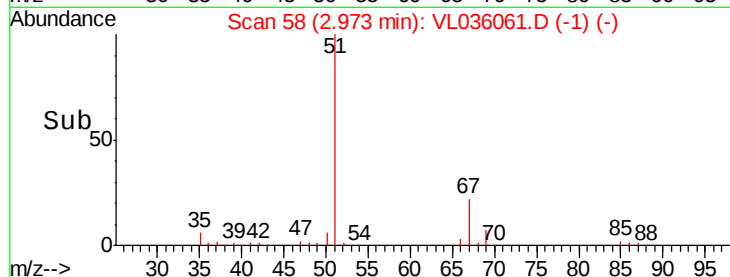
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.983 ppbv

RT: 3.13 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL036061.D

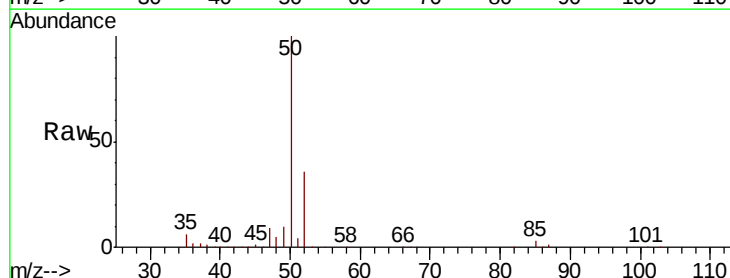
Acq: 3 Dec 2020 21:49

Tgt Ion: 50 Resp: 683774

Ion Ratio Lower Upper

50 100

52 36.2 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

400000

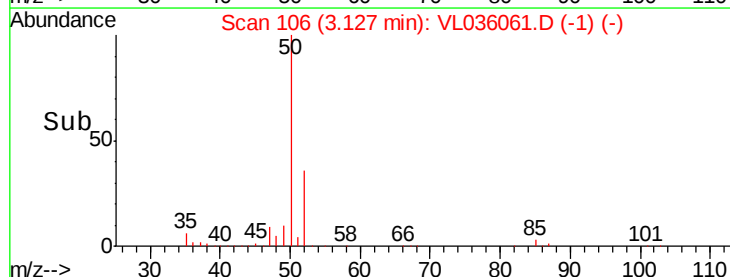
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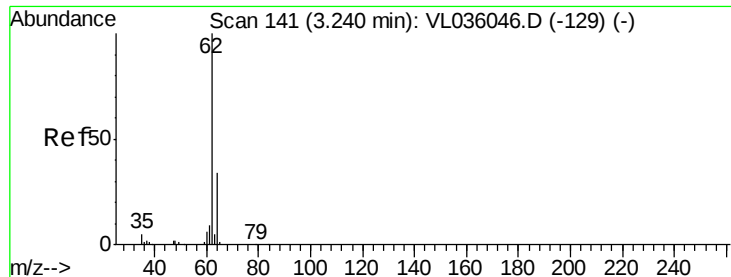
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.671 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

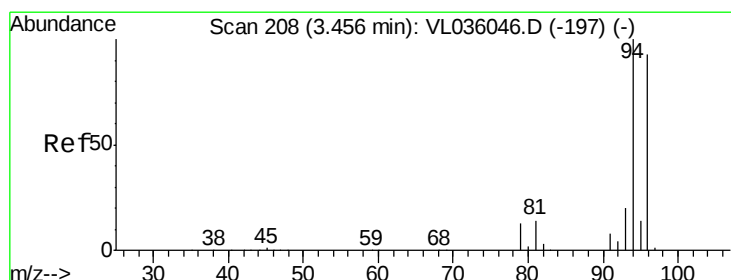
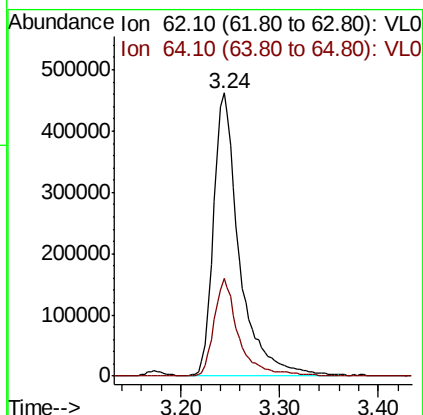
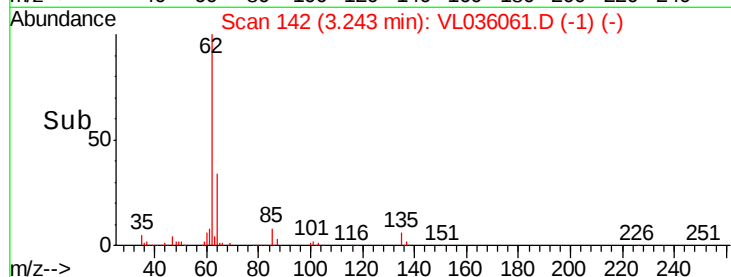
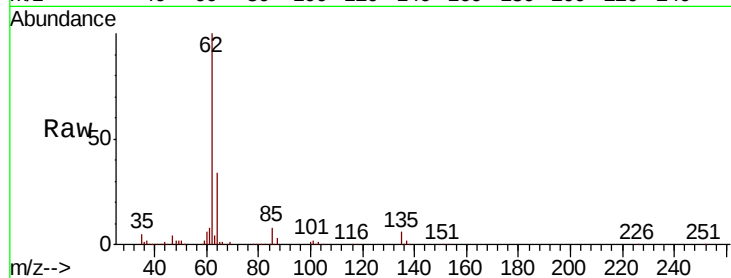
VL1203ABS01

Tot Ion: 62 Resp: 841056

Ion Ratio Lower Upper

62 100

64 34.5 26.8 40.2



#6

Bromomethane

Concen: 10.215 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036061.D

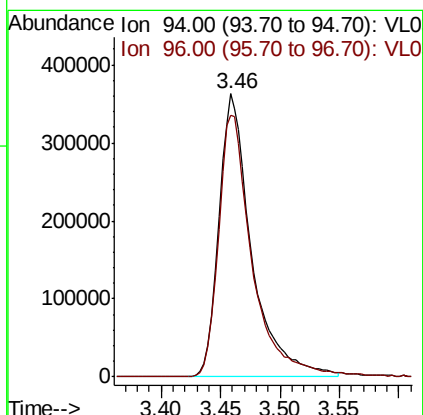
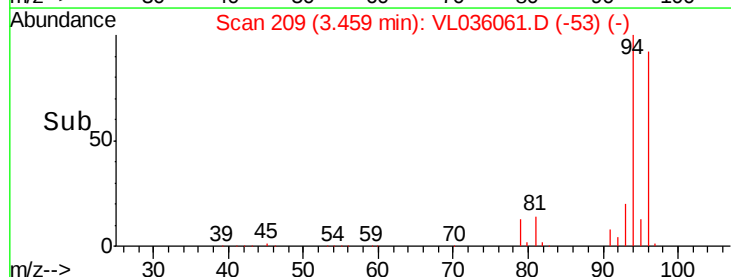
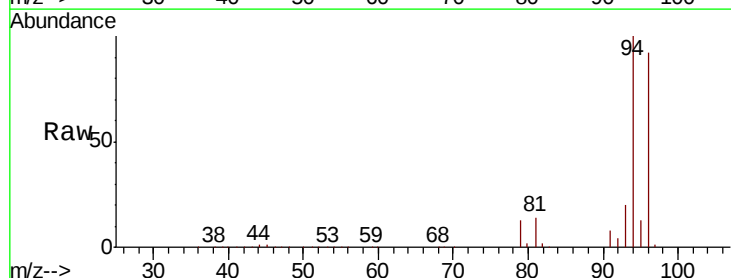
Acq: 3 Dec 2020 21:49

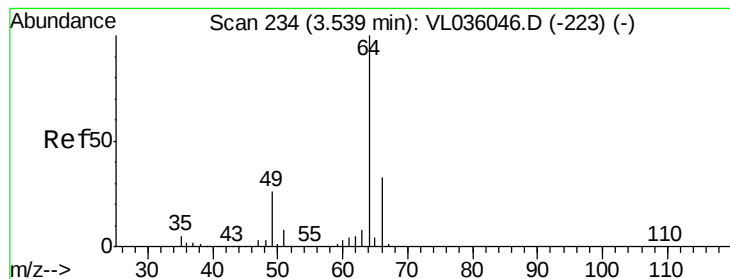
Tgt Ion: 94 Resp: 689968

Ion Ratio Lower Upper

94 100

96 92.4 74.8 112.2





#7

Chloroethane

Concen: 9.980 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

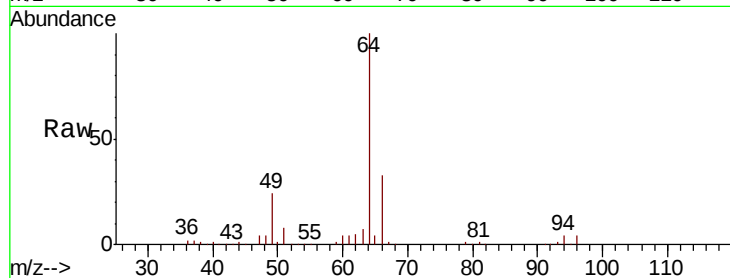
VL1203ABS01

Tot Ion: 64 Resp: 310783

Ion Ratio Lower Upper

64 100

66 32.7 26.1 39.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

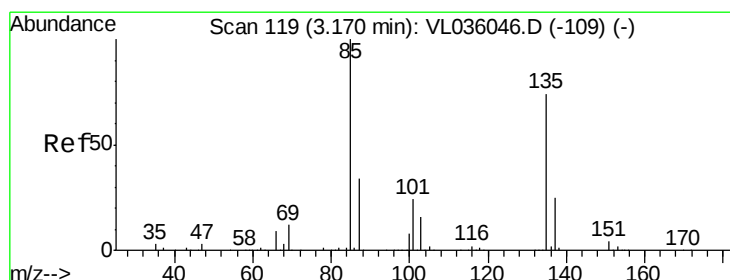
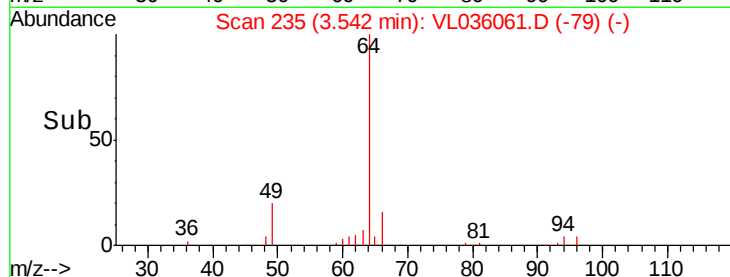
150000

100000

50000

0

Time--> 3.45 3.50 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 9.752 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036061.D

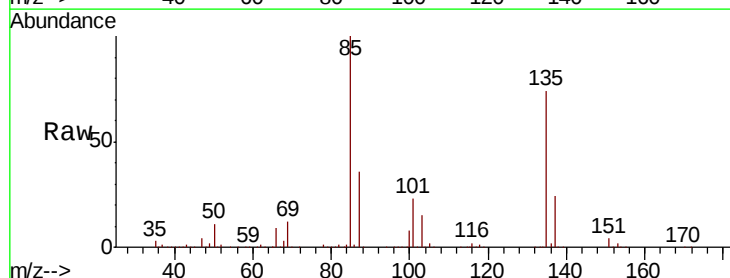
Acq: 3 Dec 2020 21:49

Tgt Ion: 85 Resp: 2379260

Ion Ratio Lower Upper

85 100

135 77.0 60.2 90.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

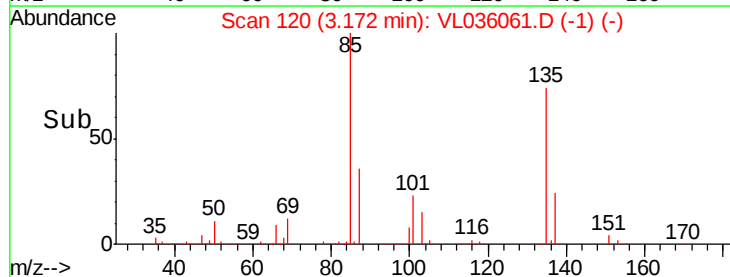
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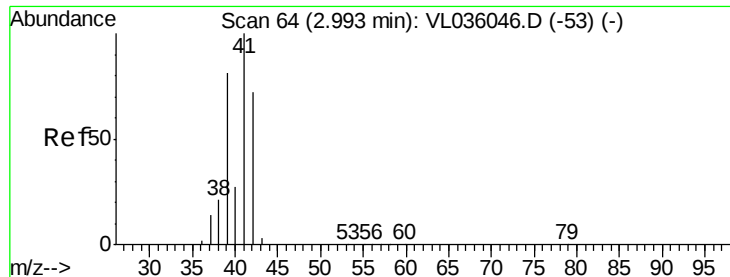
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0

Time--> 3.10 3.15 3.20 3.25 3.30





#9

Propene

Concen: 10.065 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

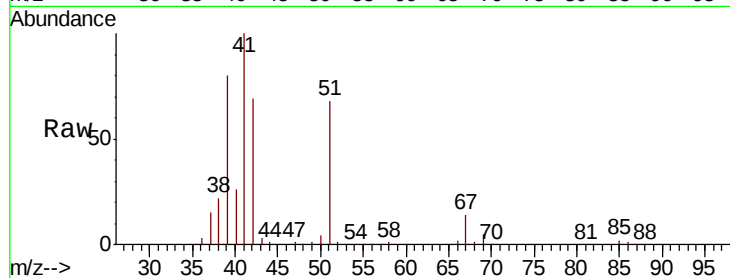
VL1203ABS01

Tot Ion: 41 Resp: 490544

Ion Ratio Lower Upper

41 100

42 72.3 56.9 85.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

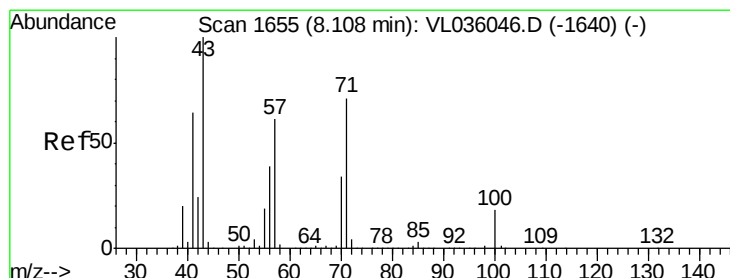
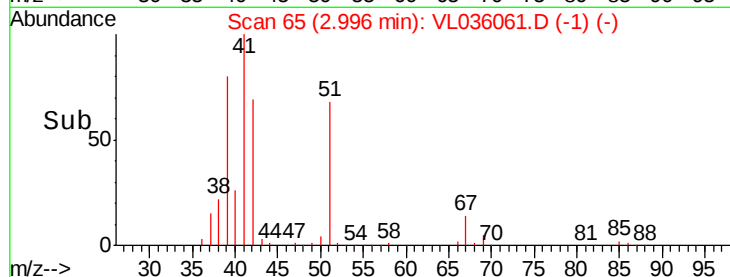
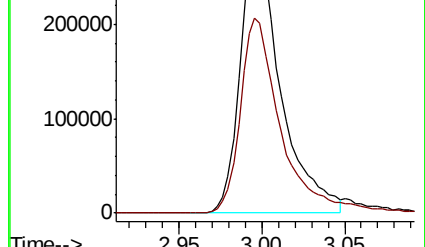
Ion 42.10 (41.80 to 42.80): VL0

3.00

200000

100000

0



#10

Heptane

Concen: 11.355 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VL036061.D

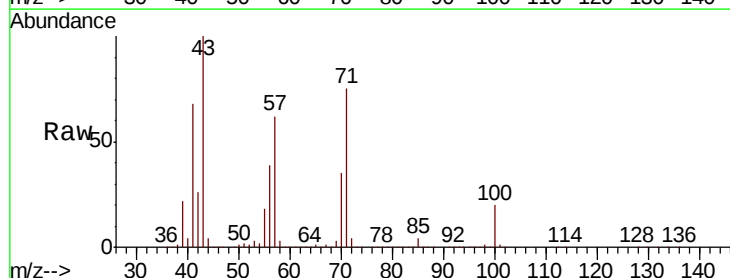
Acq: 3 Dec 2020 21:49

Tgt Ion: 43 Resp: 1527696

Ion Ratio Lower Upper

43 100

57 61.5 49.2 73.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

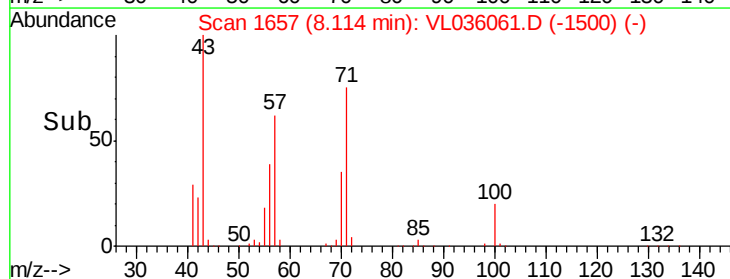
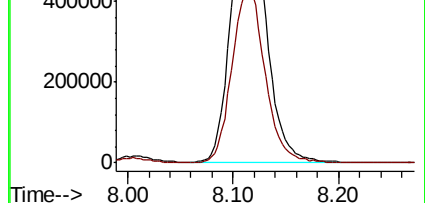
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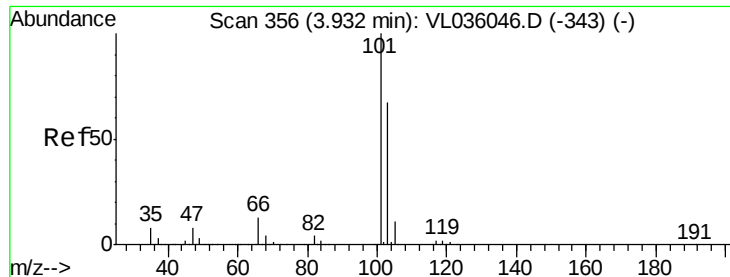
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200000

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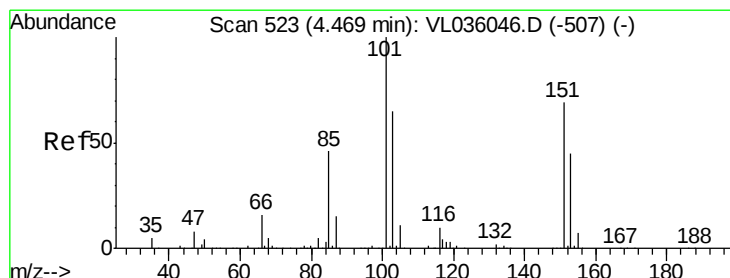
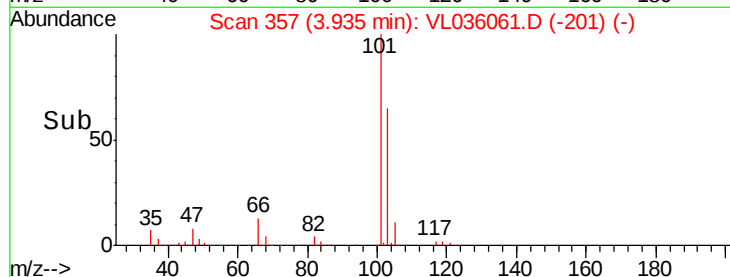
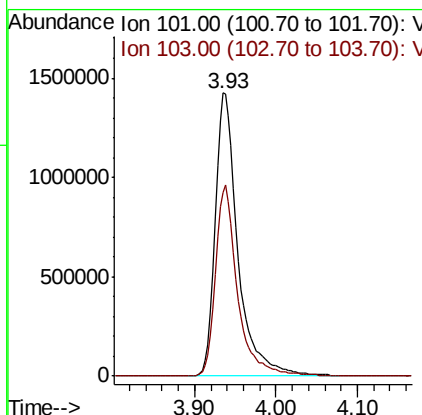
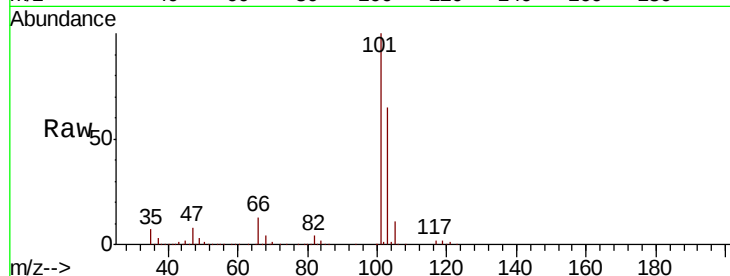




#11
 Trichlorofluoromethane
 Concen: 10.234 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

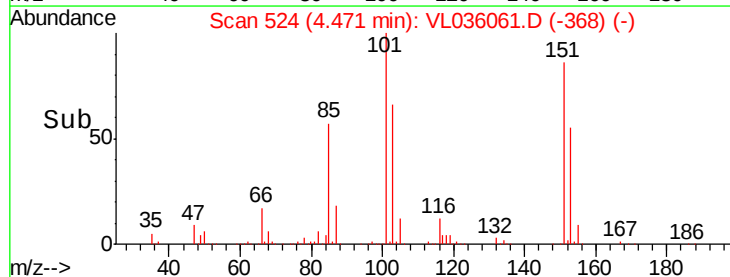
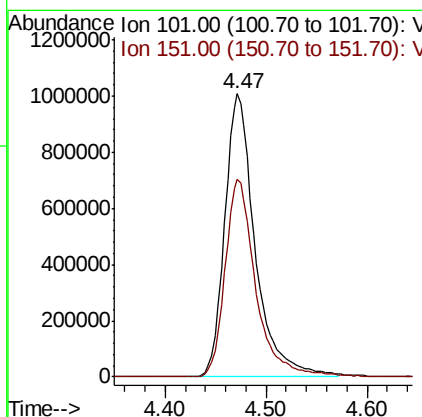
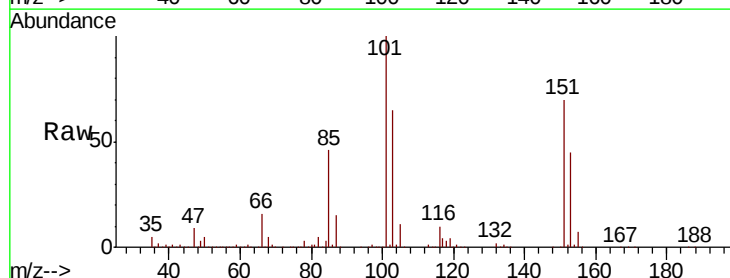
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

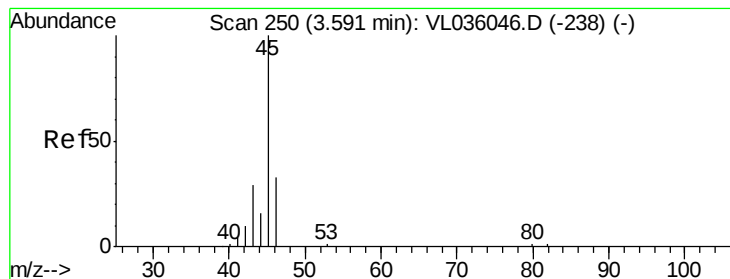
Tot Ion:101 Resp: 2815337
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.2 79.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.105 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Tgt Ion:101 Resp: 2118398
 Ion Ratio Lower Upper
 101 100
 151 70.8 56.1 84.1





#13

Ethanol

Concen: 8.446 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

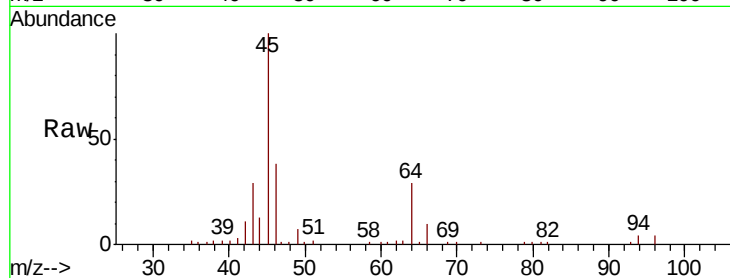
VL1203ABS01

Tot Ion: 45 Resp: 77839

Ion Ratio Lower Upper

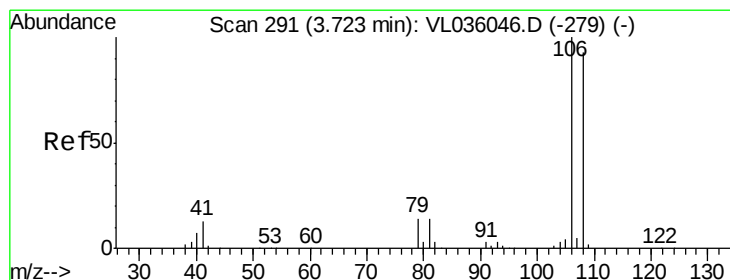
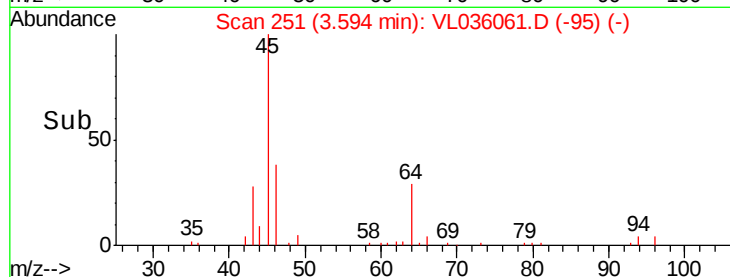
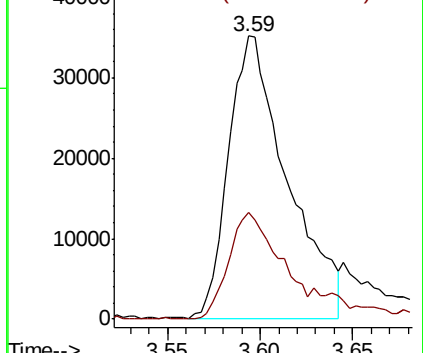
45 100

46 42.2 16.0 64.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.460 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

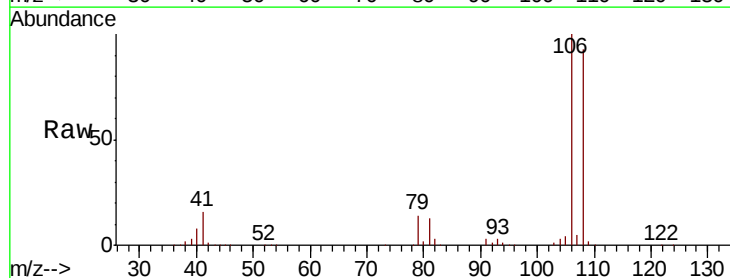
Tgt Ion: 108 Resp: 893887

Ion Ratio Lower Upper

108 100

106 106.7 85.0 127.4

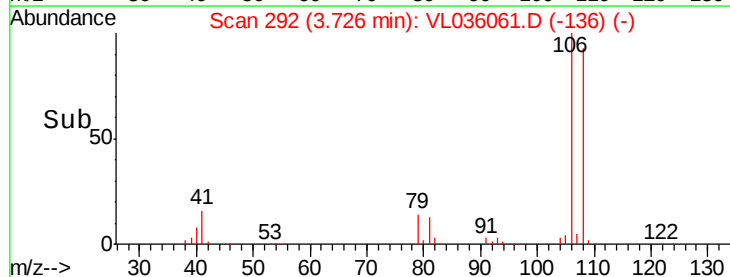
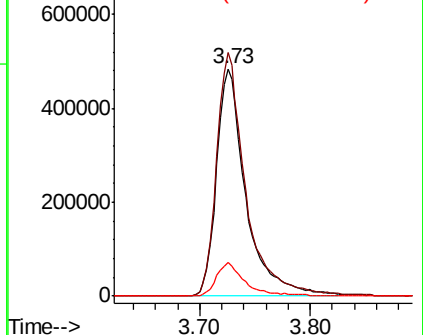
79 14.7 11.9 17.9

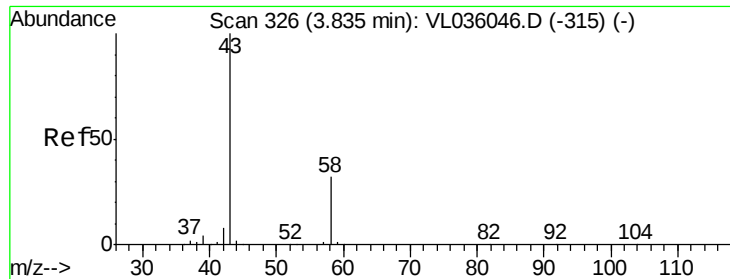


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.933 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

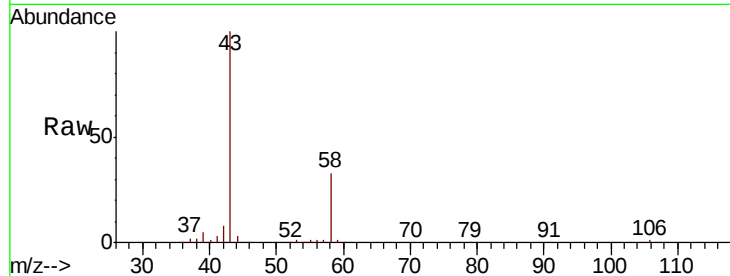
VL1203ABS01

Tot Ion: 43 Resp: 1147451

Ion Ratio Lower Upper

43 100

58 33.6 27.0 40.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

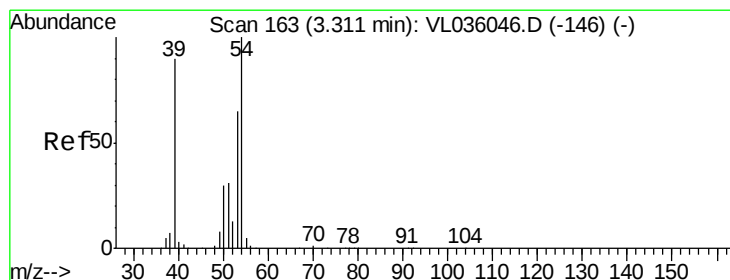
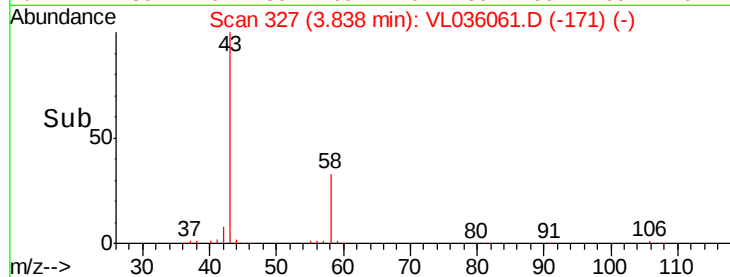
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 10.310 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.00 min

Lab File: VL036061.D

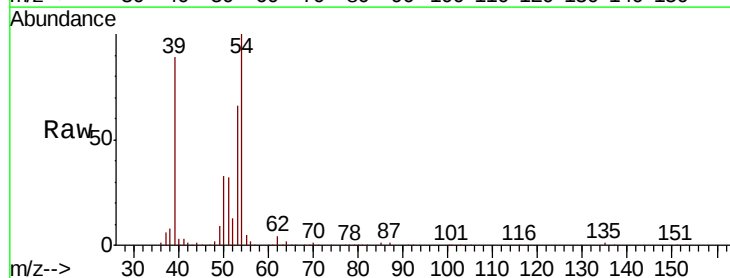
Acq: 3 Dec 2020 21:49

Tgt Ion: 39 Resp: 554203

Ion Ratio Lower Upper

39 100

54 104.1 86.1 129.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.31

400000

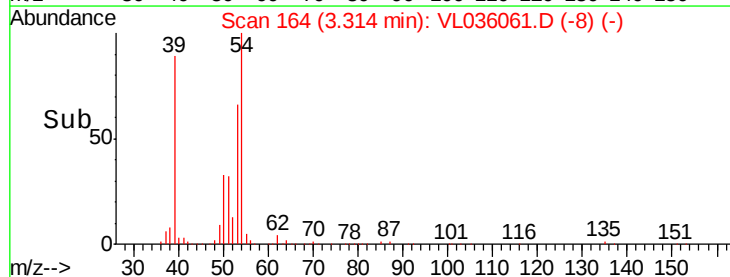
300000

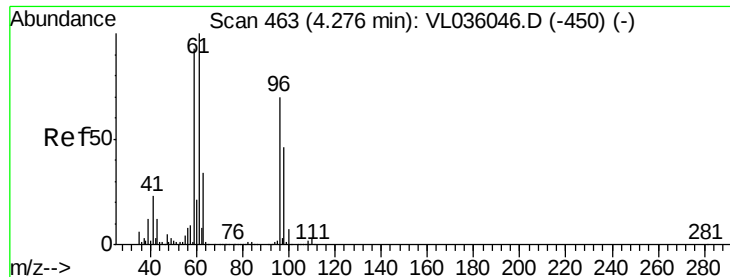
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 9.951 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

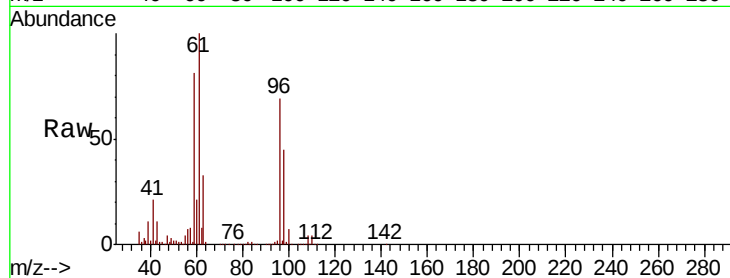
VL1203ABS01

Tot Ion: 59 Resp: 1318916

Ion Ratio Lower Upper

59 100

57 10.2 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

600000

500000

400000

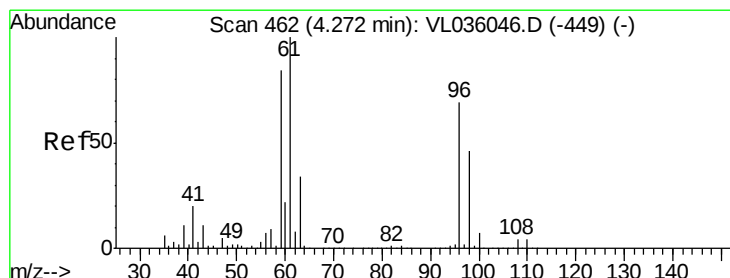
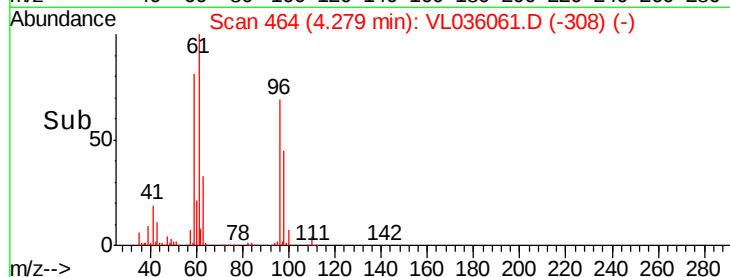
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.306 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

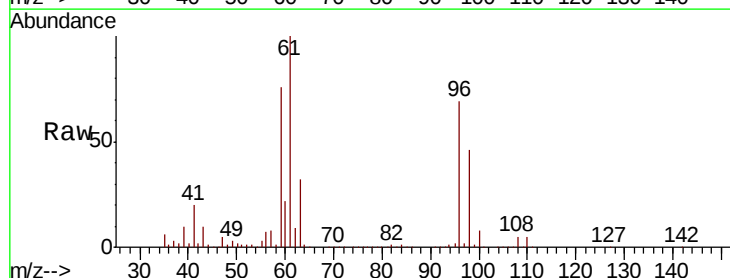
Tgt Ion: 96 Resp: 956007

Ion Ratio Lower Upper

96 100

61 145.3 115.8 173.6

98 66.4 53.1 79.7



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

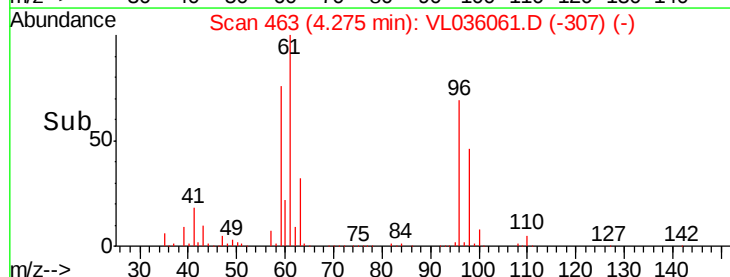
600000

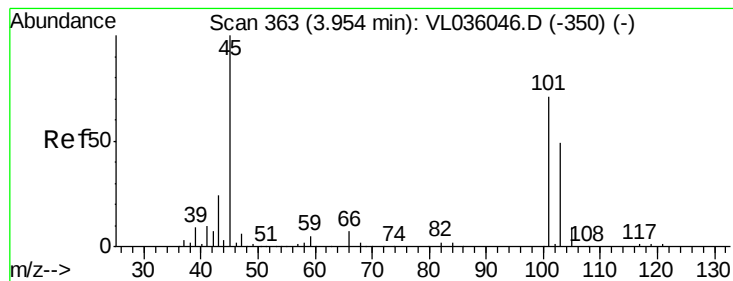
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.588 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

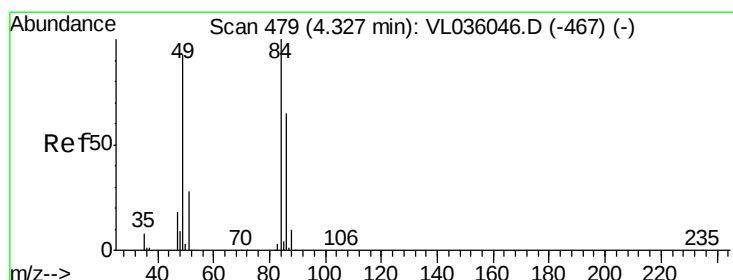
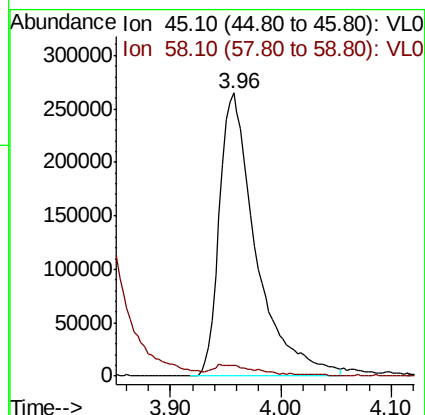
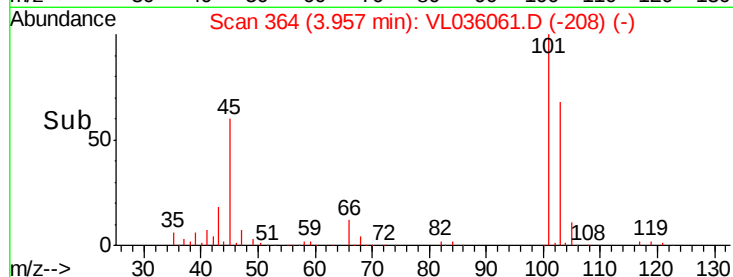
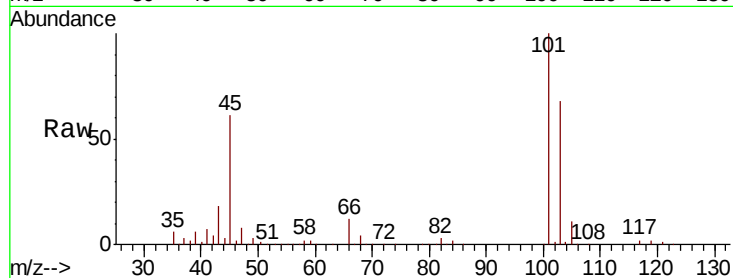
VL1203ABS01

Tot Ion: 45 Resp: 608608

Ion Ratio Lower Upper

45 100

58 4.4 3.4 5.0



#20

Methylene Chloride

Concen: 7.608 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Tgt Ion: 84 Resp: 805634

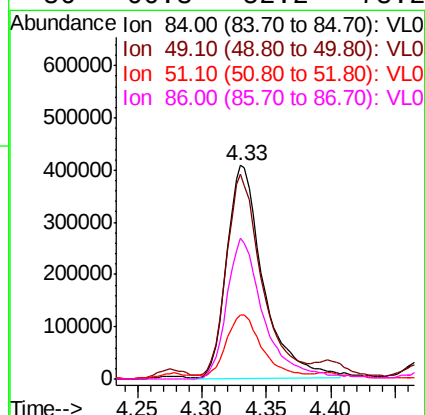
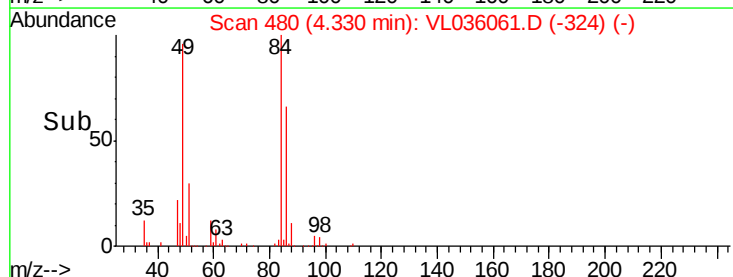
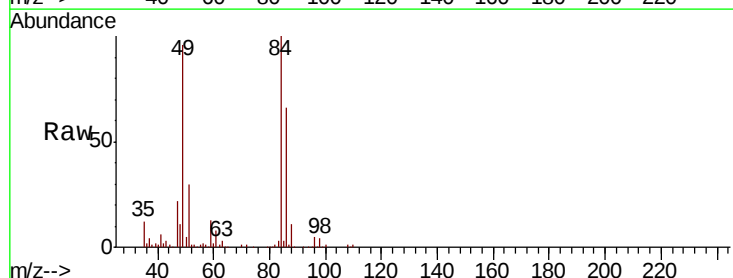
Ion Ratio Lower Upper

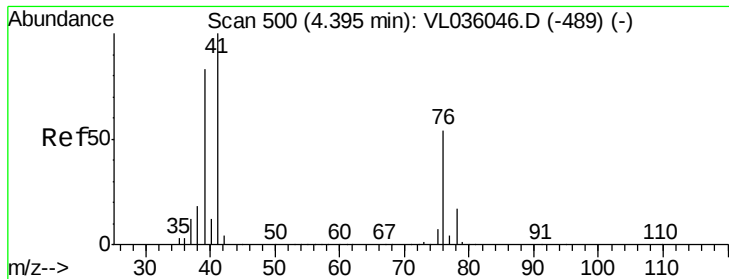
84 100

49 94.3 74.4 111.6

51 28.5 22.5 33.7

86 66.3 52.2 78.2





#21

Allvl Chloride

Concen: 10.680 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

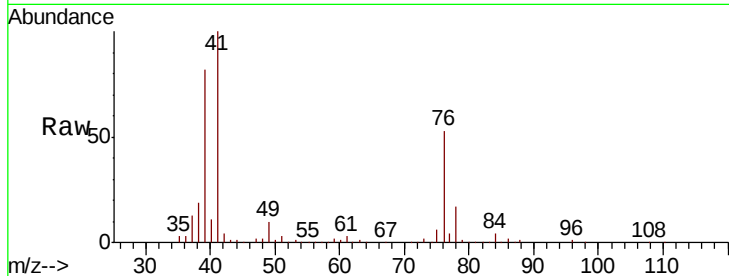
Tot Ion: 41 Resp: 687607

Ion Ratio Lower Upper

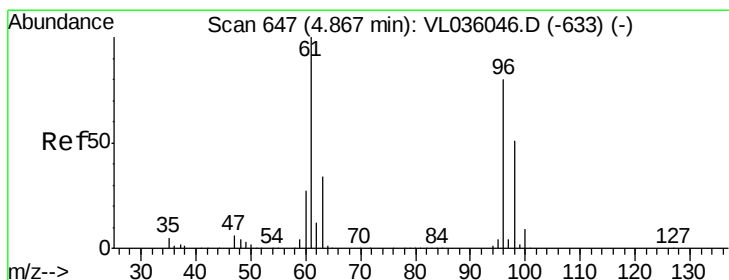
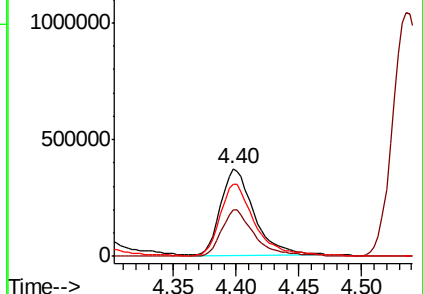
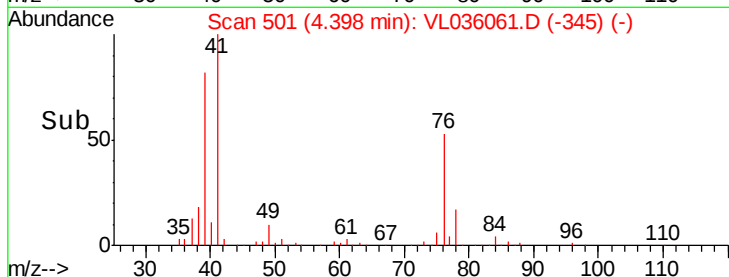
41 100

76 53.5 42.4 63.6

39 85.7 69.0 103.6



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: 10.490 ppbv

RT: 4.87 min Scan# 648

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

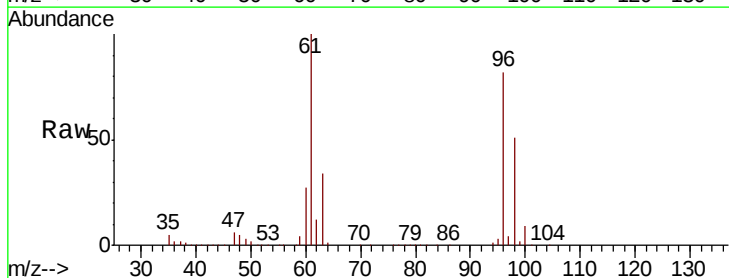
Tgt Ion: 96 Resp: 976665

Ion Ratio Lower Upper

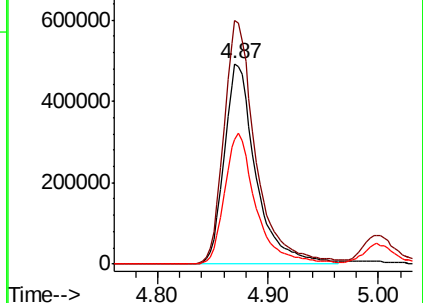
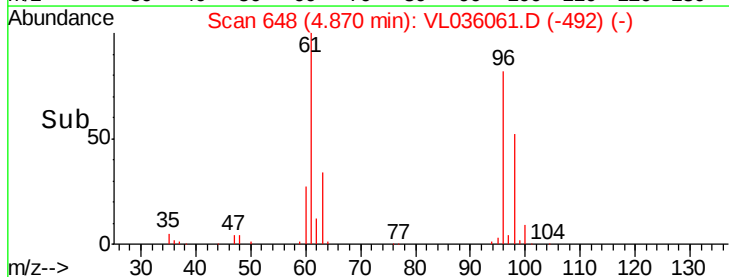
96 100

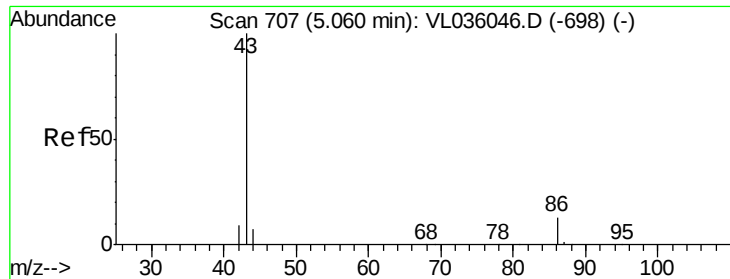
61 121.7 99.8 149.6

98 62.6 51.1 76.7



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: 11.229 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 43 Resp: 1590921

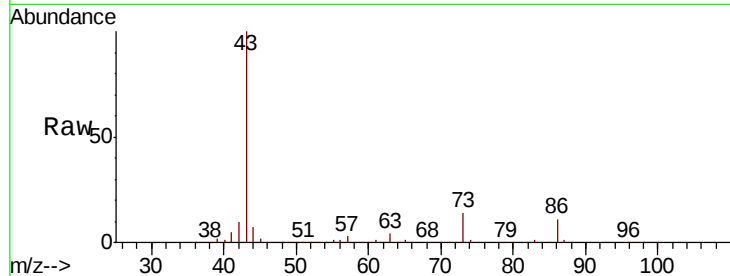
Ion Ratio Lower Upper

43 100

86 11.2 9.3 13.9

42 9.6 8.1 12.1

44 6.3 4.7 7.1

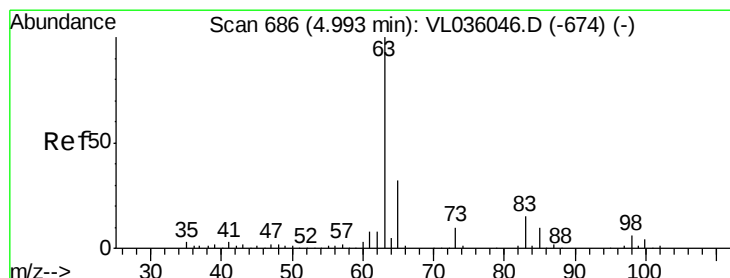
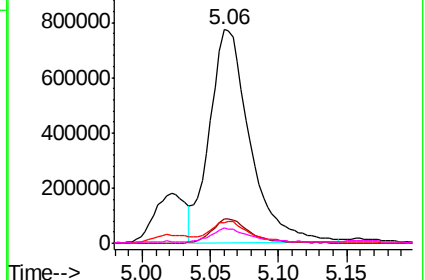
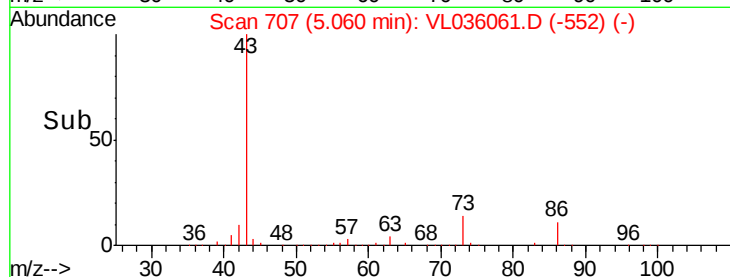


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.888 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

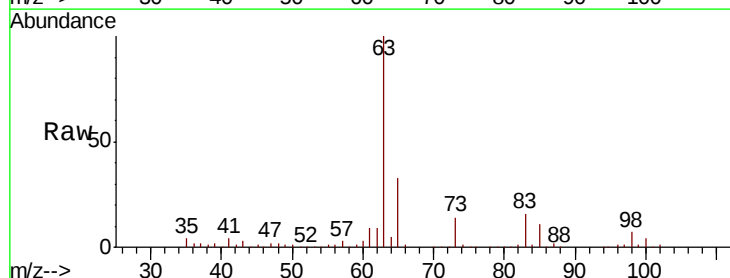
Tgt Ion: 63 Resp: 1636316

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

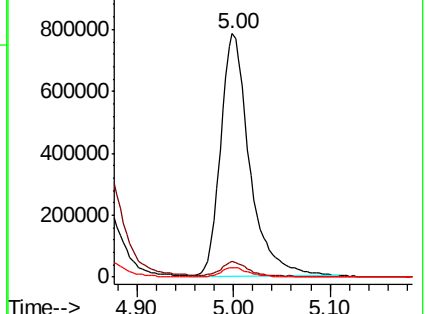
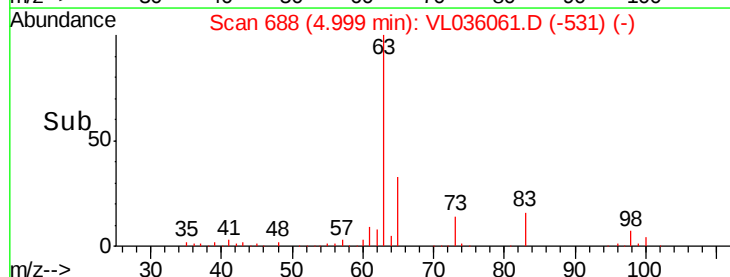
100 3.9 1.9 5.7

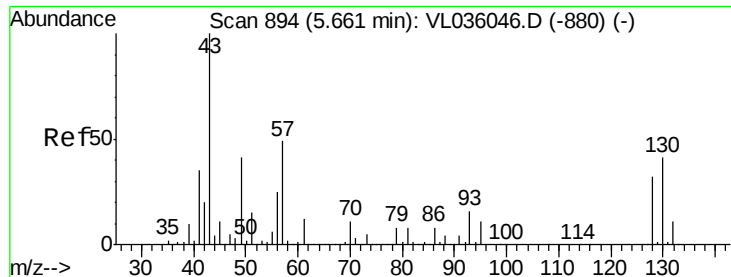


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



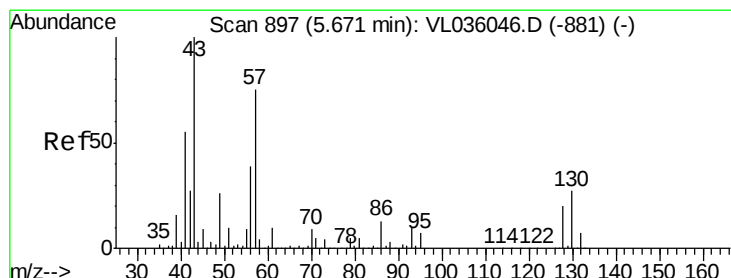
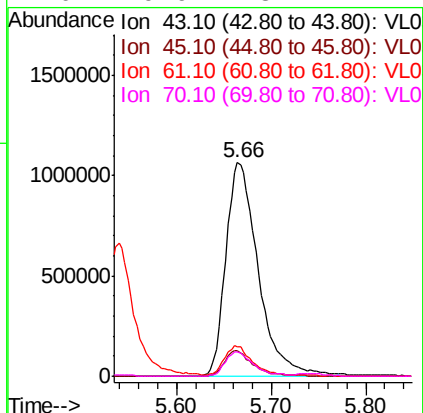
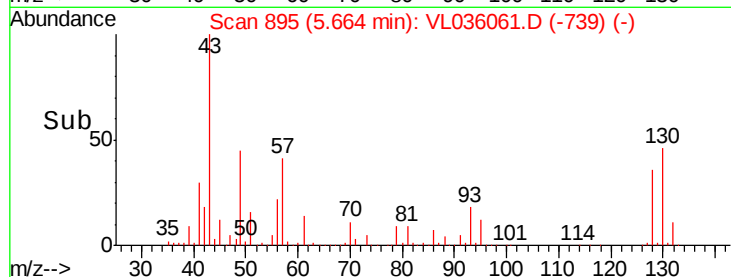
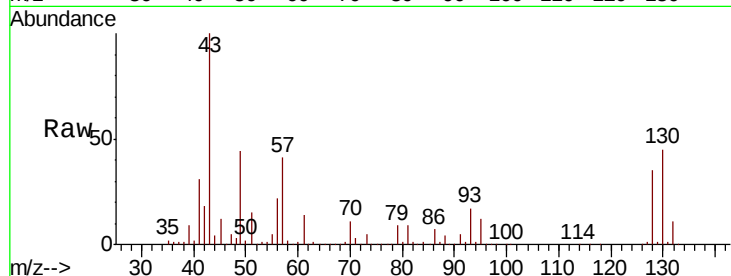


#25
Ethyl Acetate
Concen: 10.063 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion: 43 Resp: 2529924

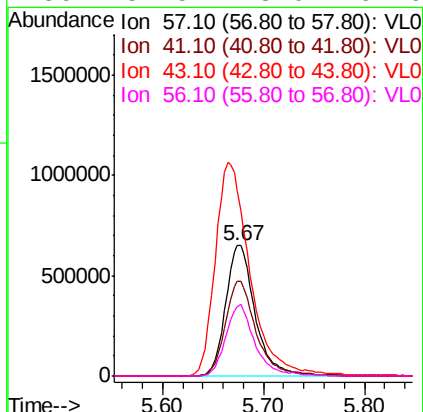
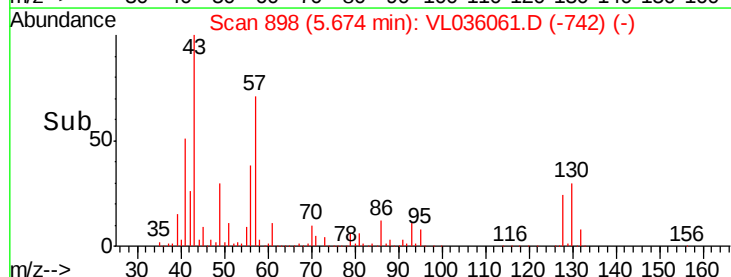
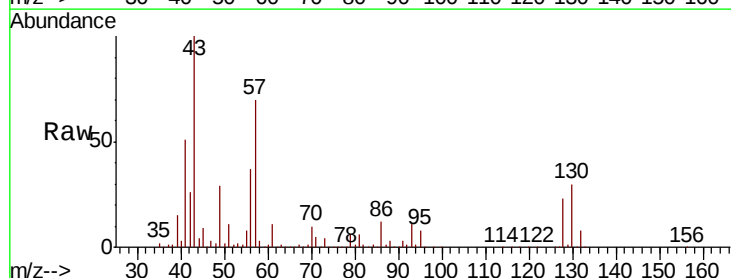
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	13.0
61	12.8	10.6	16.0
70	9.9	8.1	12.1

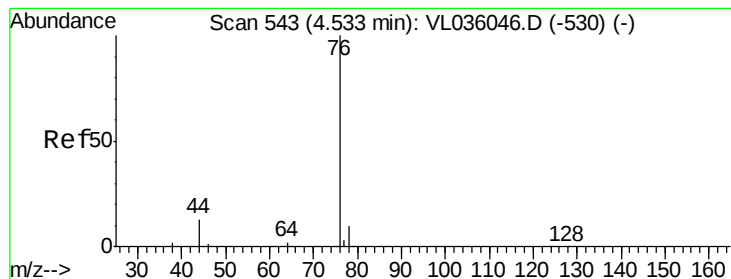


#26
Hexane
Concen: 9.845 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Tgt Ion: 57 Resp: 1326768

Ion	Ratio	Lower	Upper
57	100		
41	76.3	61.6	92.4
43	192.1	152.9	229.3
56	54.5	43.0	64.6





#27

Carbon Disulfide

Concen: 11.187 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

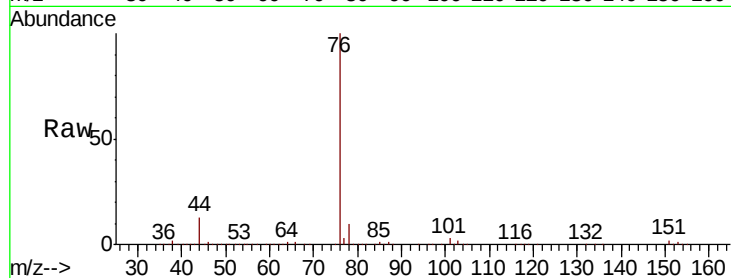
Tot Ion: 76 Resp: 2142152

Ion Ratio Lower Upper

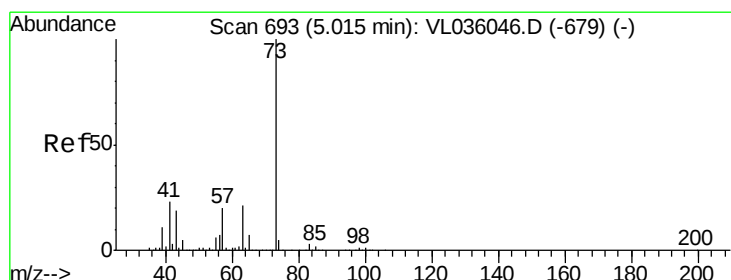
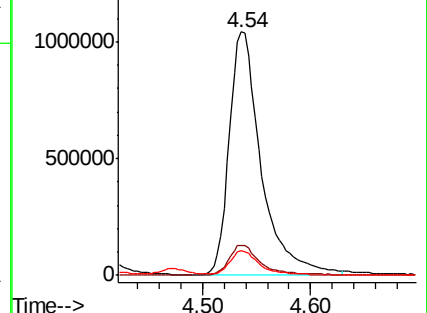
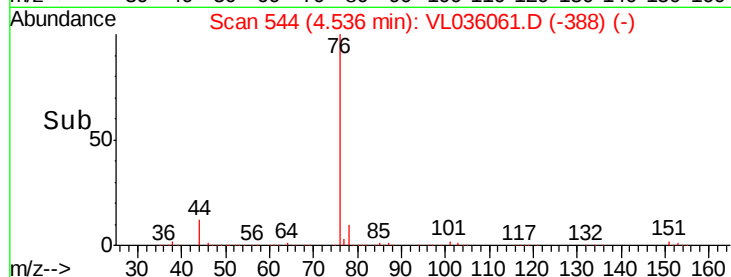
76 100

44 12.1 9.6 14.4

78 10.1 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.092 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036061.D

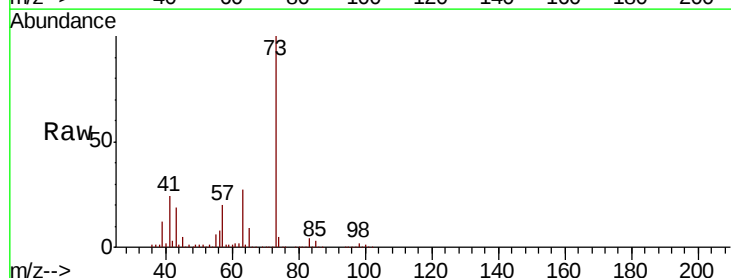
Acq: 3 Dec 2020 21:49

Tgt Ion: 73 Resp: 2009352

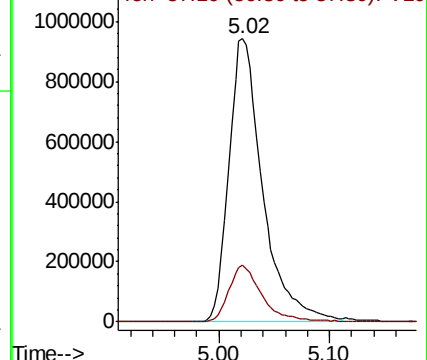
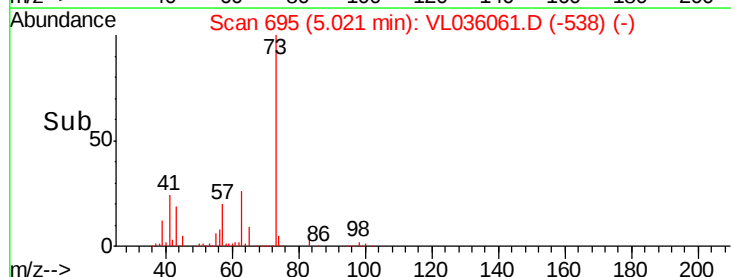
Ion Ratio Lower Upper

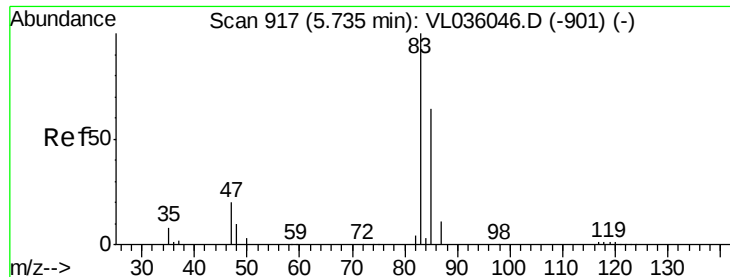
73 100

57 19.8 15.8 23.8



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

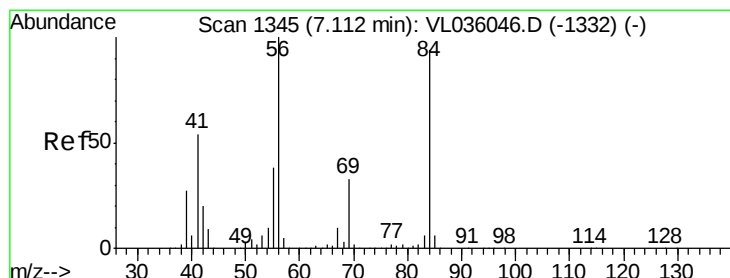
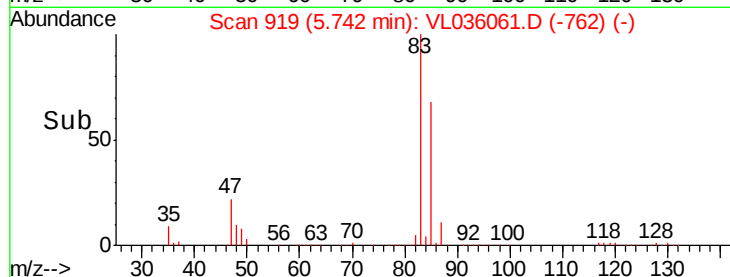
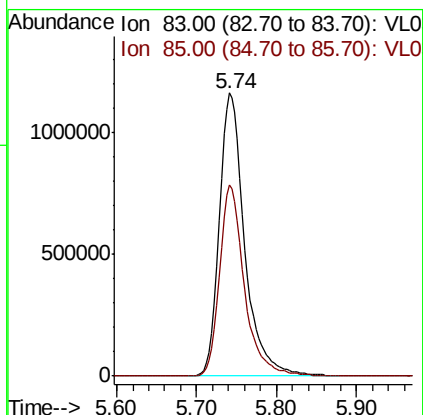
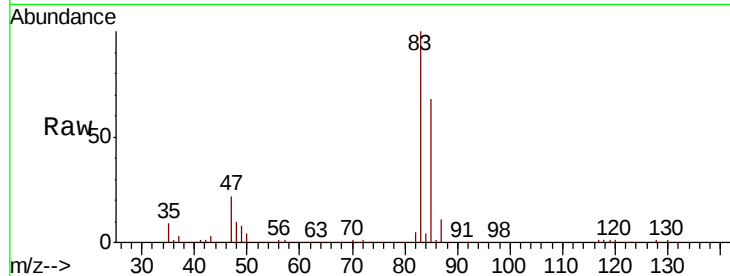




#29
Chloroform
Concen: 10.184 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

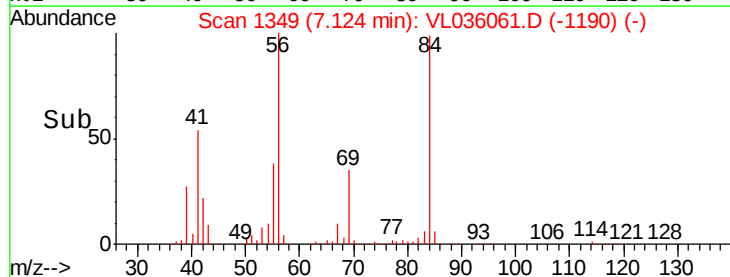
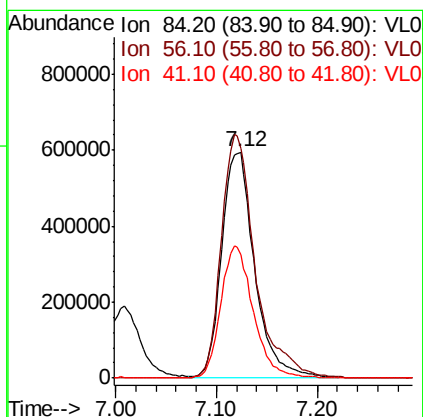
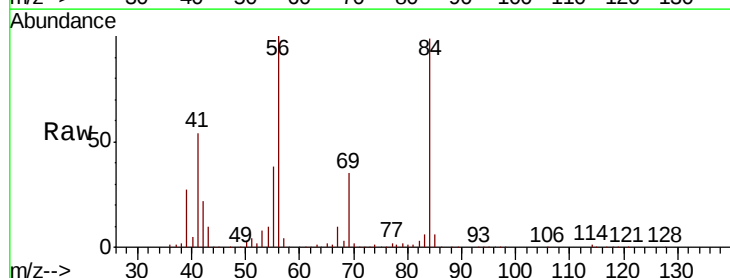
Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

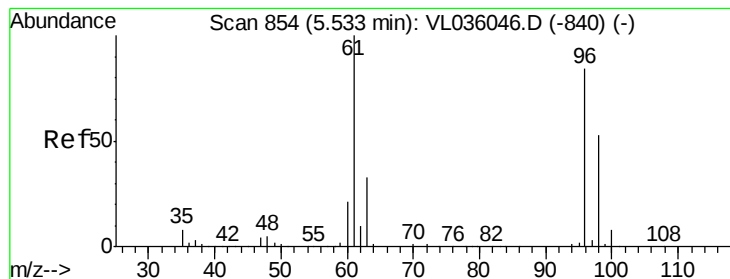
Tot Ion: 83 Resp: 2540381
Ion Ratio Lower Upper
83 100
85 67.7 51.6 77.4



#30
Cyclohexane
Concen: 11.219 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Tgt Ion: 84 Resp: 1349471
Ion Ratio Lower Upper
84 100
56 112.3 89.9 134.9
41 58.0 46.1 69.1



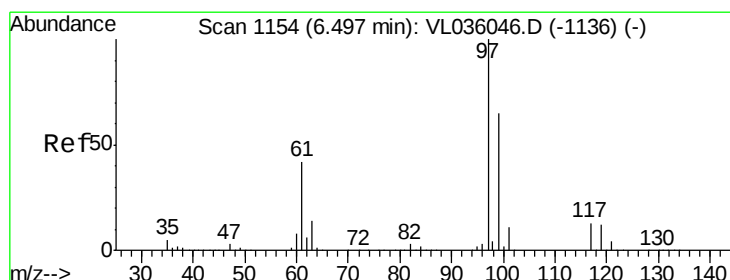
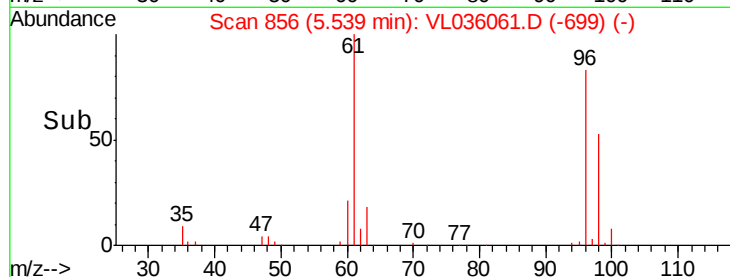
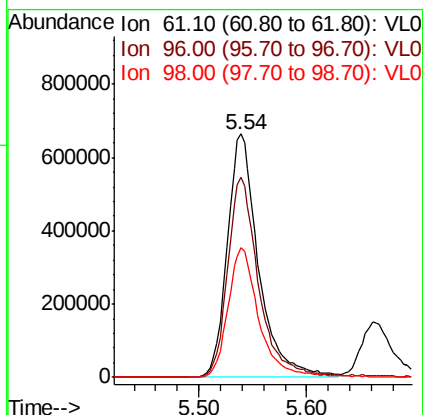
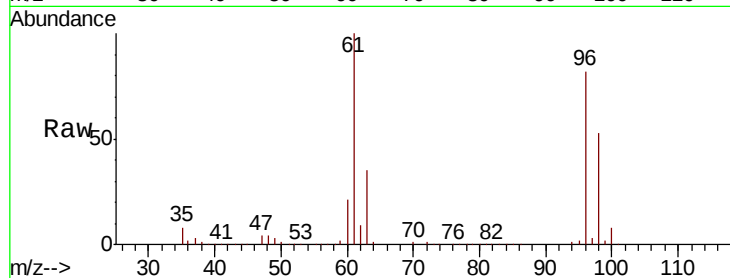


#31

cis-1,2-Dichloroethene
 Concen: 10.963 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

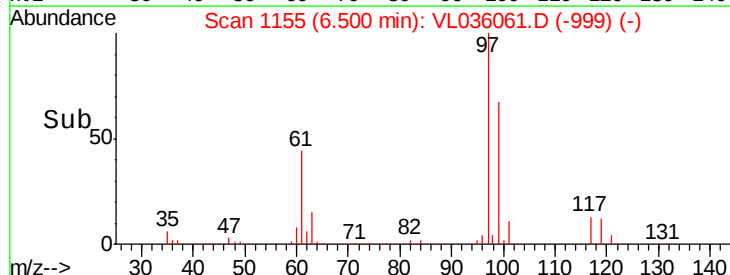
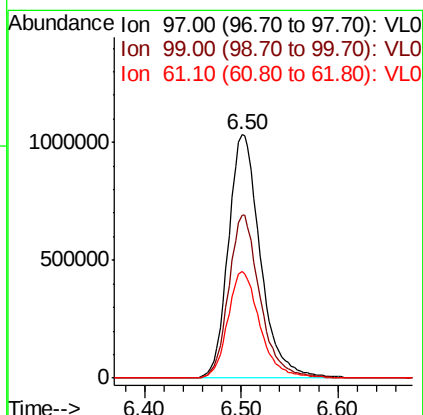
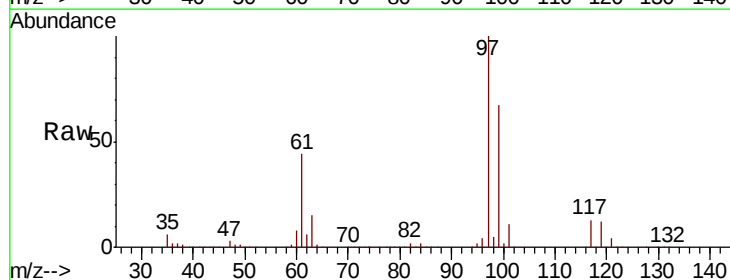
Tot Ion: 61 Resp: 1340360
 Ion Ratio Lower Upper
 61 100
 96 82.1 66.8 100.2
 98 53.5 42.6 63.8

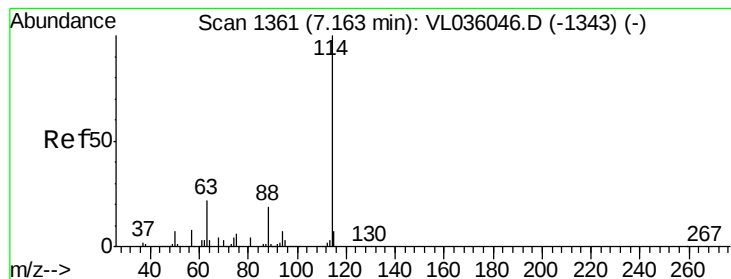


#32

1,1,1-Trichloroethane
 Concen: 10.407 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Tgt Ion: 97 Resp: 2376723
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.4 78.6
 61 44.0 34.7 52.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

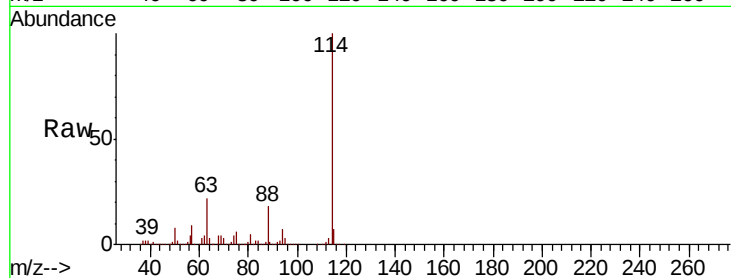
Tot Ion:114 Resp: 4220043

Ion Ratio Lower Upper

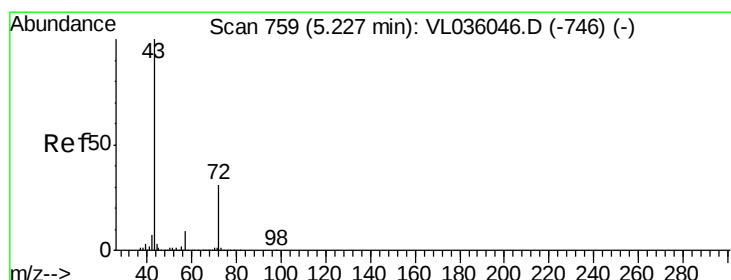
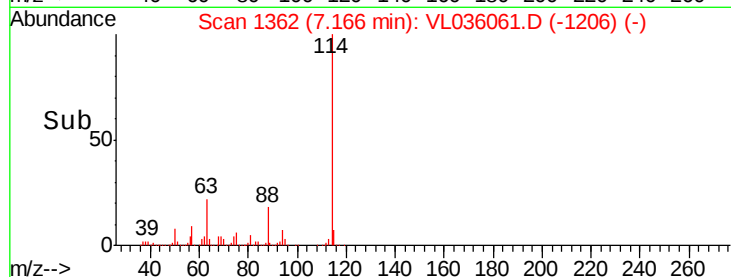
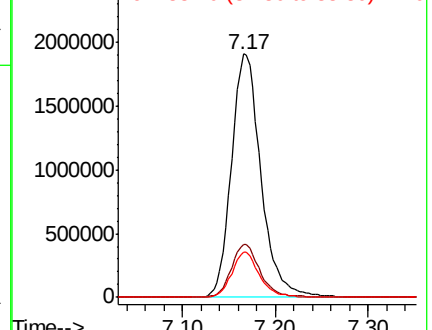
114 100

63 21.4 17.2 25.8

88 17.5 14.0 21.0



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



#34

2-Butanone

Concen: 10.818 ppbv

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VL036061.D

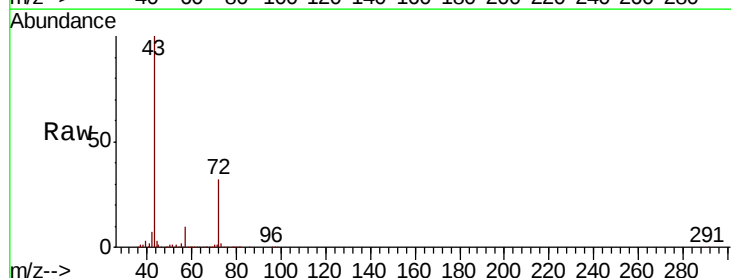
Acq: 3 Dec 2020 21:49

Tgt Ion: 43 Resp: 1540683

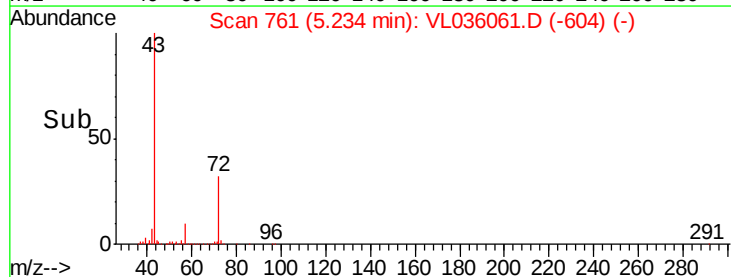
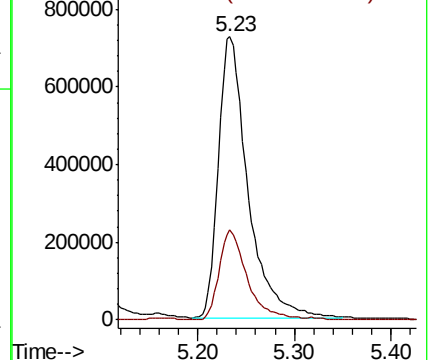
Ion Ratio Lower Upper

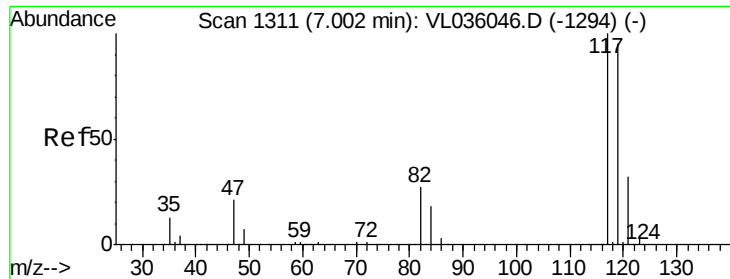
43 100

72 31.1 24.5 36.7



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





#35

Carbon Tetrachloride

Concen: 10.996 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

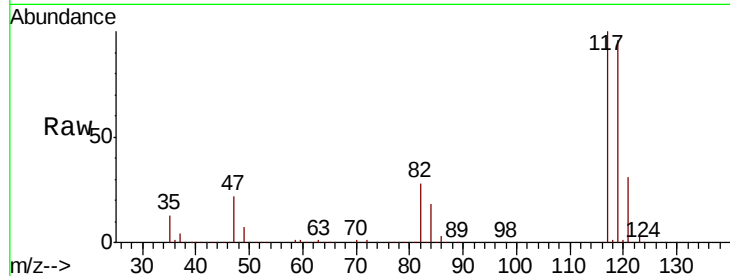
Tot Ion:117 Resp: 2411759

Ion Ratio Lower Upper

117 100

119 96.0 75.9 113.9

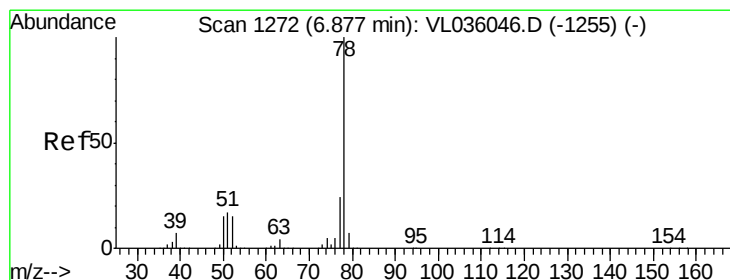
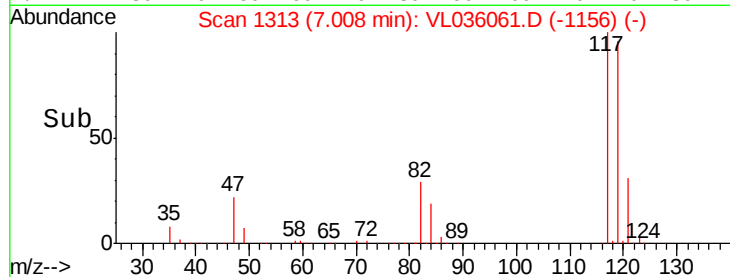
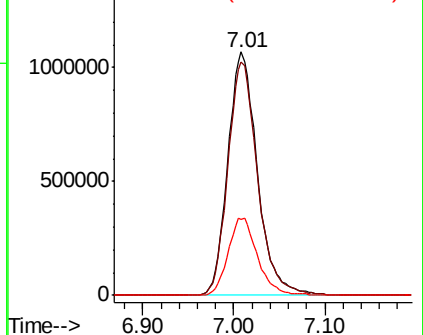
121 30.9 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.742 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

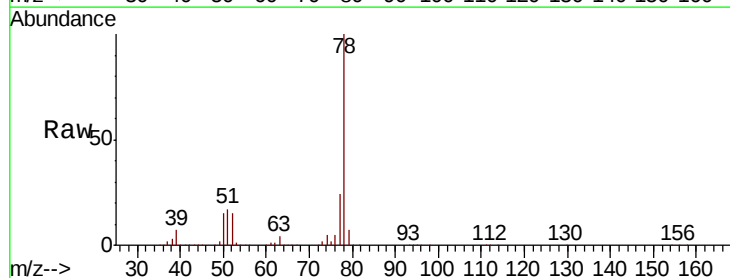
Tgt Ion: 78 Resp: 3146636

Ion Ratio Lower Upper

78 100

77 24.5 19.1 28.7

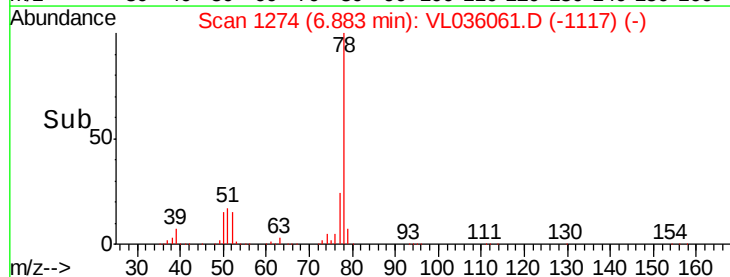
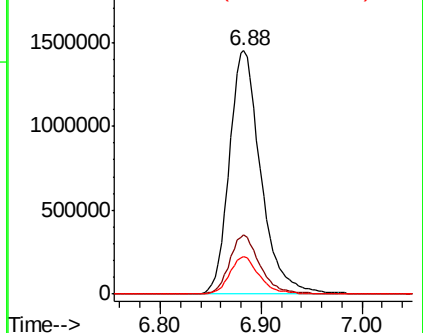
50 15.3 12.0 18.0

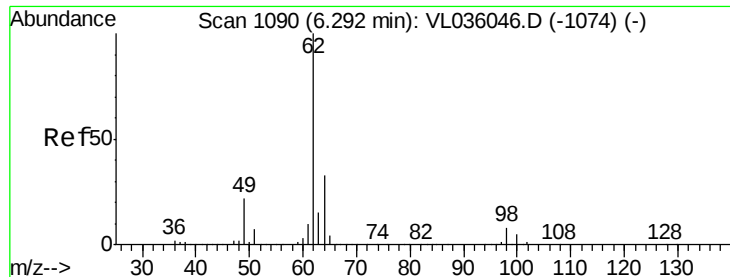


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

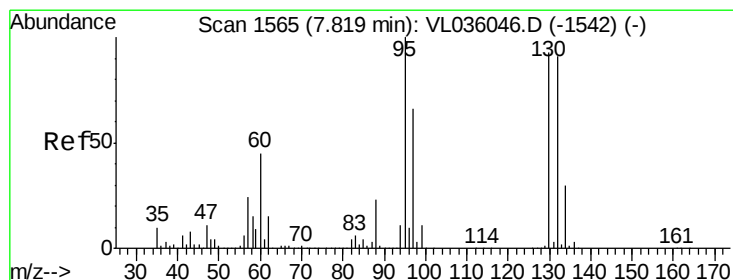
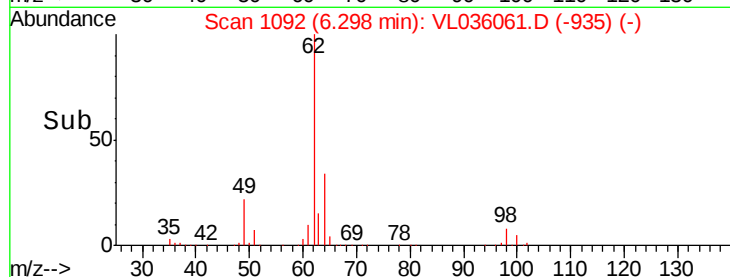
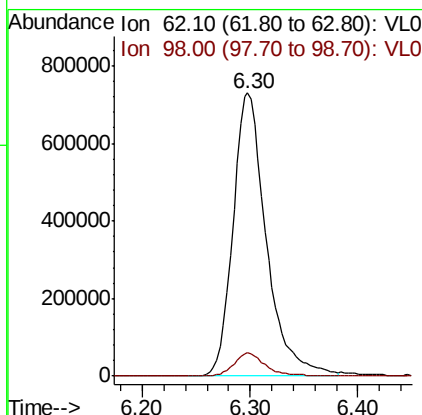
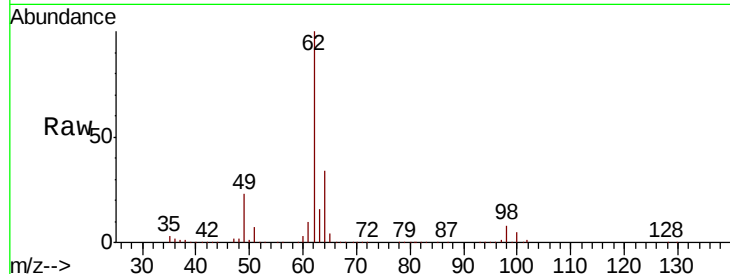




#37
 1,2-Dichloroethane
 Concen: 10.451 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

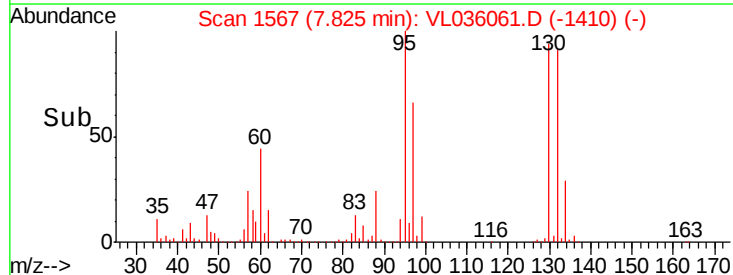
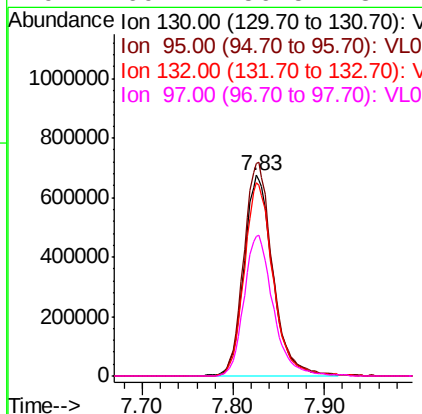
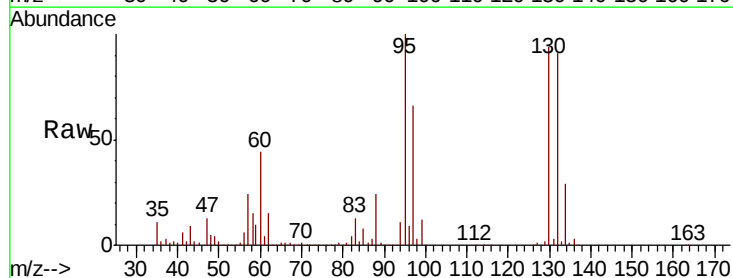
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

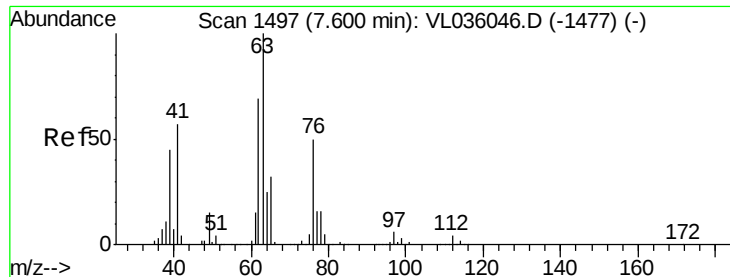
Tot Ion: 62 Resp: 1570950
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.4 9.6



#38
 Trichloroethene
 Concen: 11.414 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Tgt Ion:130 Resp: 1481504
 Ion Ratio Lower Upper
 130 100
 95 105.9 86.1 129.1
 132 96.3 78.6 118.0
 97 69.7 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.317 ppbv

RT: 7.60 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

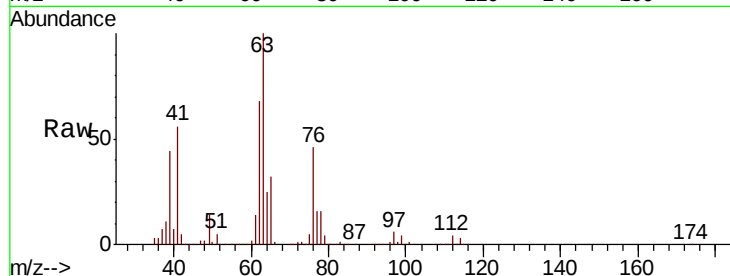
Tot Ion: 63 Resp: 1134507

Ion Ratio Lower Upper

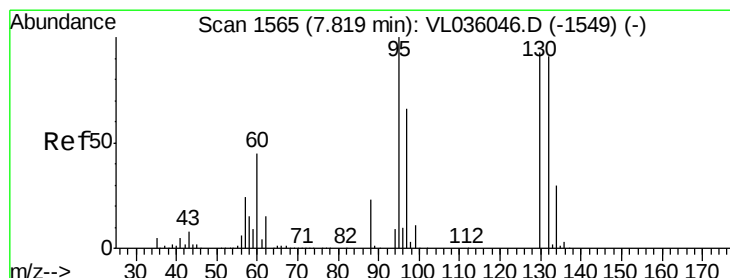
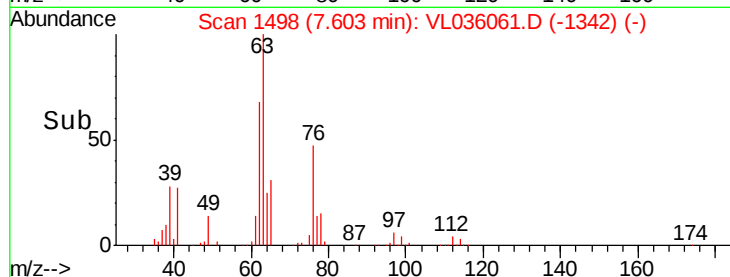
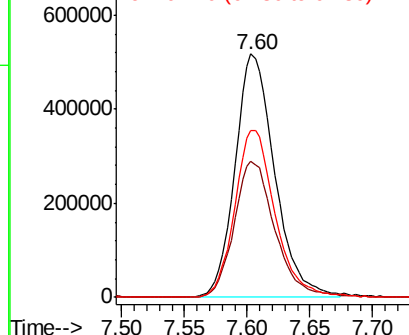
63 100

41 55.7 45.4 68.0

62 68.3 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: 11.336 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Tgt Ion: 88 Resp: 416128

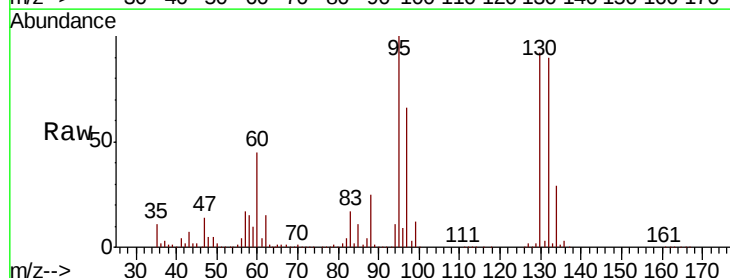
Ion Ratio Lower Upper

88 100

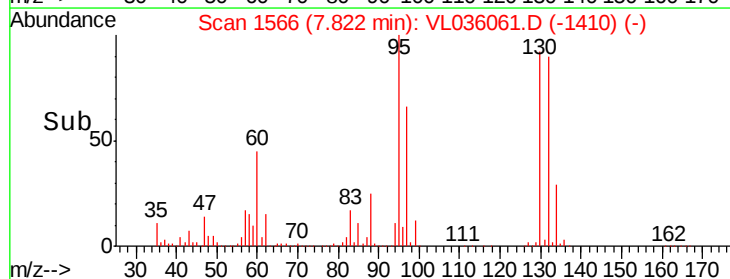
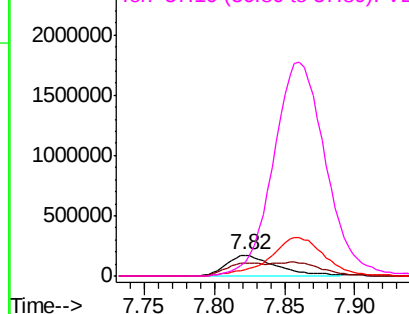
58 0.0 91.0 136.6#

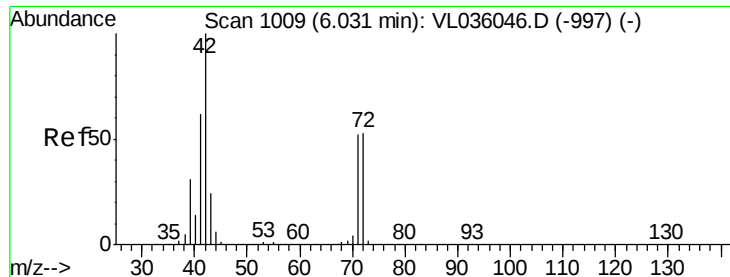
43 0.0 163.3 244.9#

57 0.0 865.6 1298.4#



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

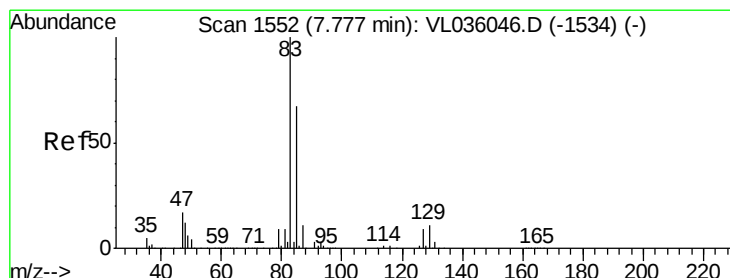
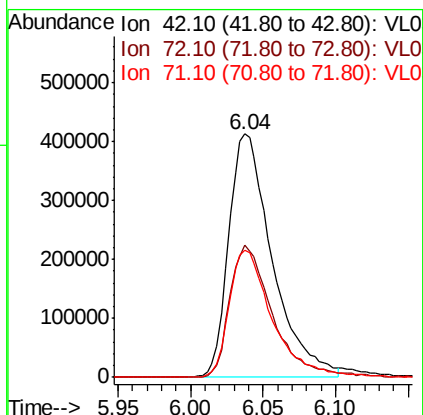
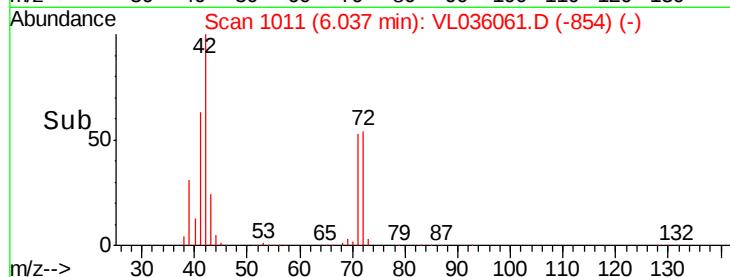
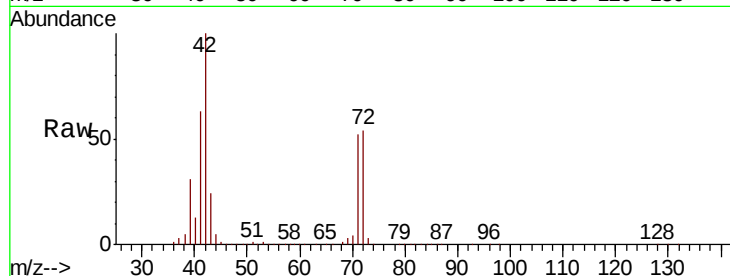




#41
Tetrahydrofuran
Concen: 11.446 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

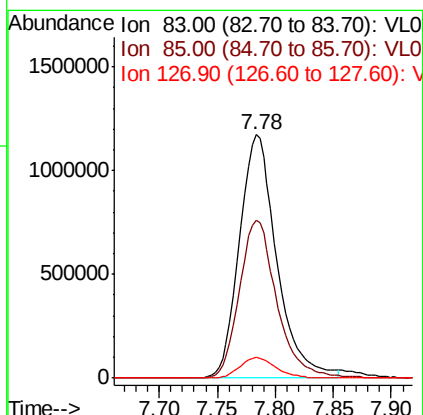
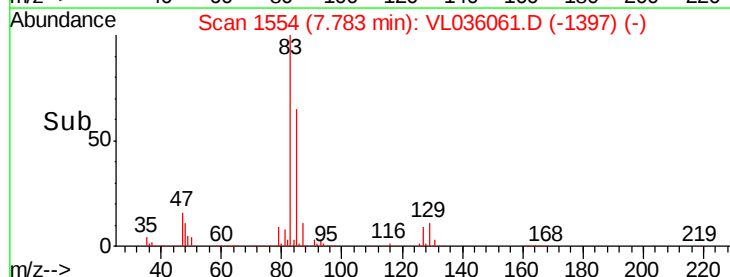
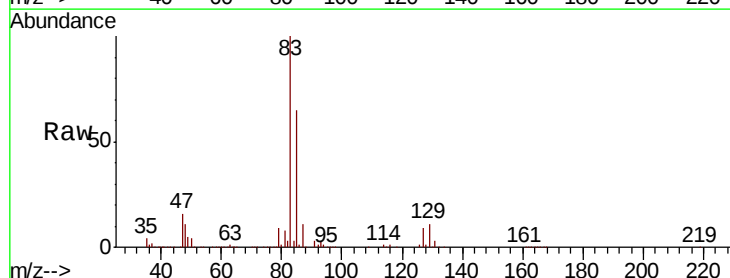
Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

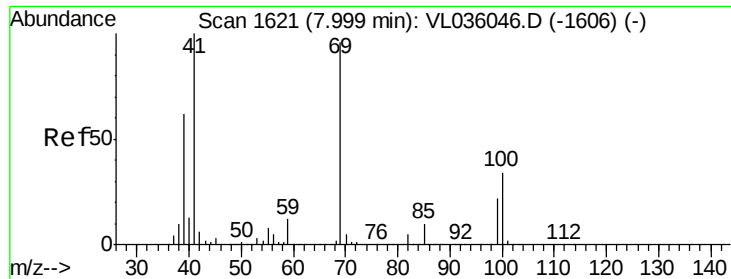
Tot Ion: 42 Resp: 861640
Ion Ratio Lower Upper
42 100
72 54.2 42.7 64.1
71 52.4 41.0 61.4



#42
Bromodichloromethane
Concen: 11.194 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Tgt Ion: 83 Resp: 2633016
Ion Ratio Lower Upper
83 100
85 64.9 53.7 80.5
127 8.6 7.0 10.6





#43

Methyl Methacrylate

Concen: 12.276 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

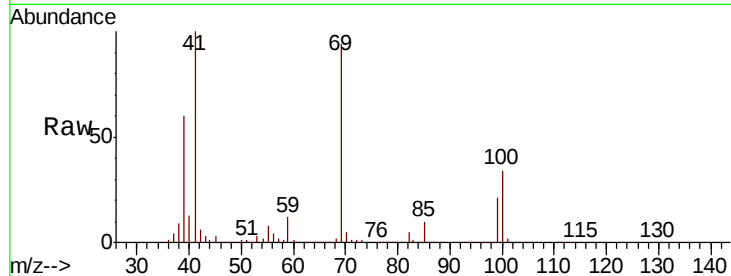
Tot Ion: 69 Resp: 1318521

Ion Ratio Lower Upper

69 100

41 107.9 86.5 129.7

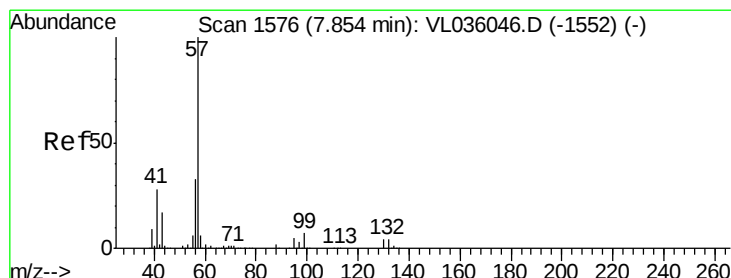
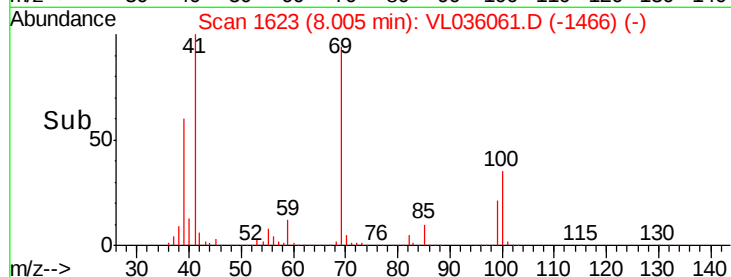
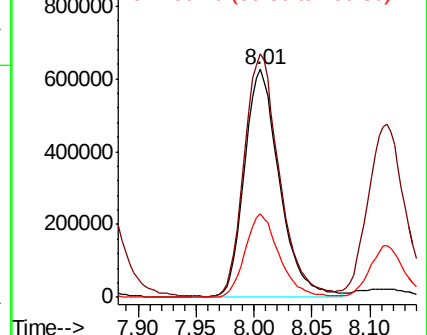
100 35.8 29.0 43.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.668 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

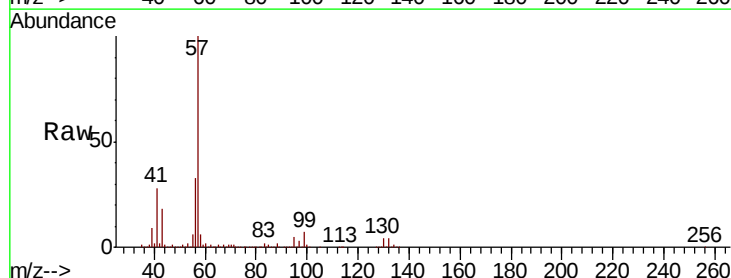
Tgt Ion: 57 Resp: 4596999

Ion Ratio Lower Upper

57 100

41 27.6 21.9 32.9

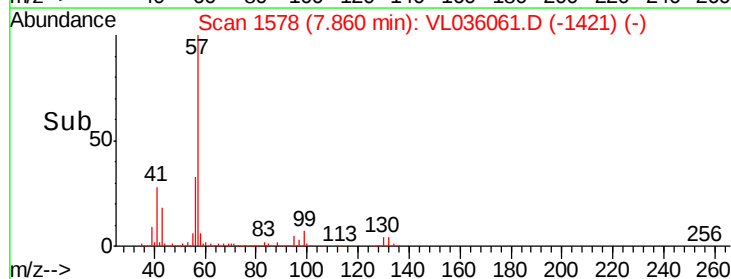
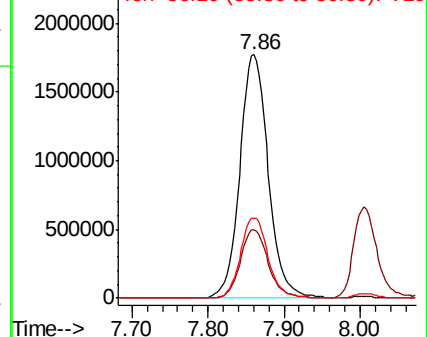
56 32.2 25.8 38.6

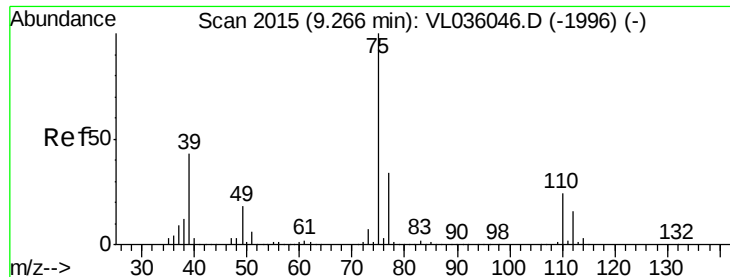


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 13.236 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

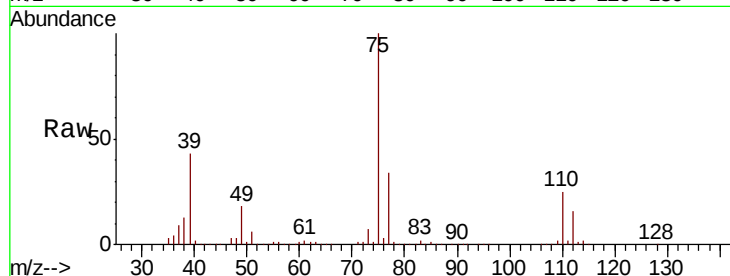
VL1203ABS01

Tot Ion: 75 Resp: 1329275

Ion Ratio Lower Upper

75 100

77 33.8 26.8 40.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

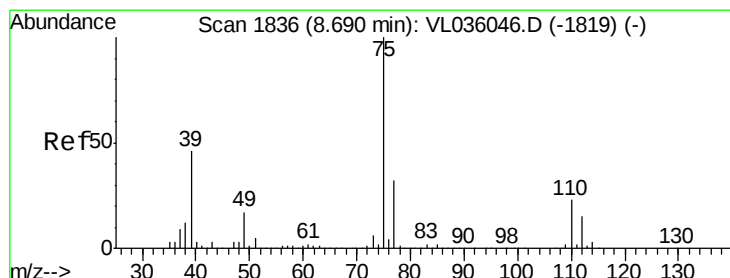
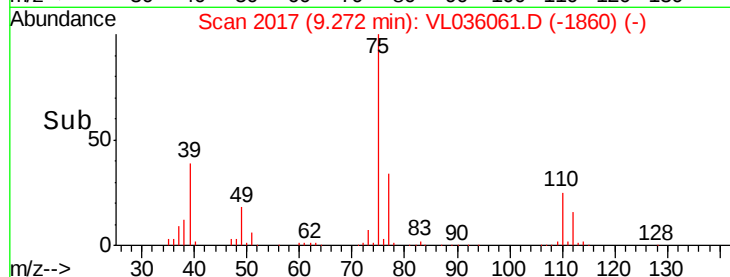
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.926 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

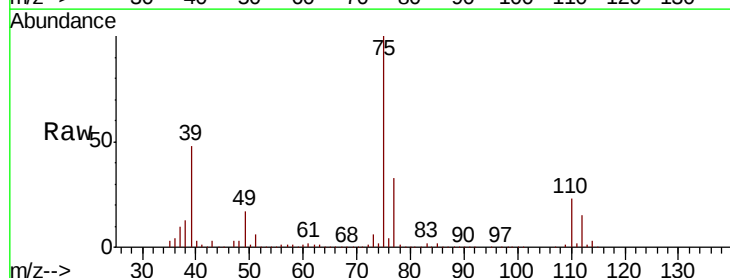
Tgt Ion: 75 Resp: 1711886

Ion Ratio Lower Upper

75 100

39 47.5 37.0 55.4

77 33.3 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

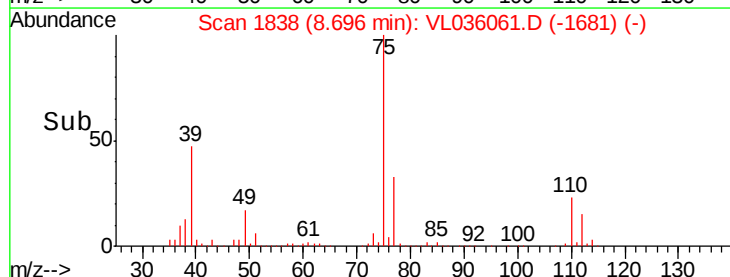
600000

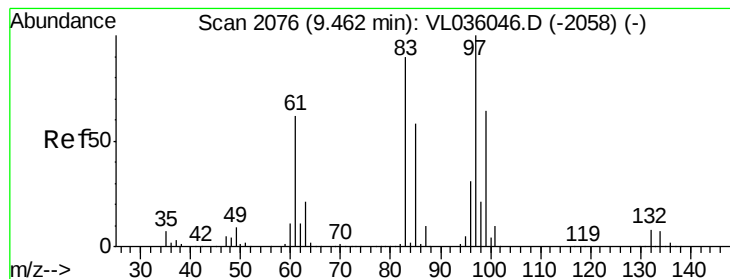
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.621 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 97 Resp: 1483070

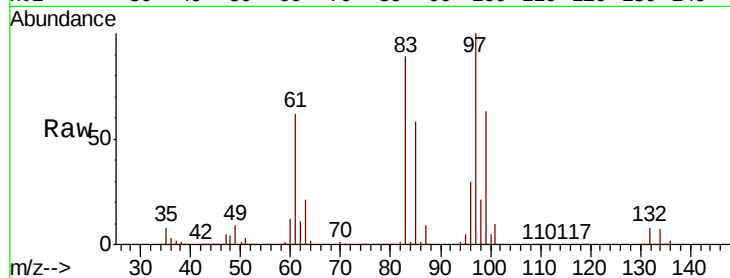
Ion Ratio Lower Upper

97 100

83 88.6 72.1 108.1

85 58.0 46.6 69.8

99 63.2 51.0 76.4

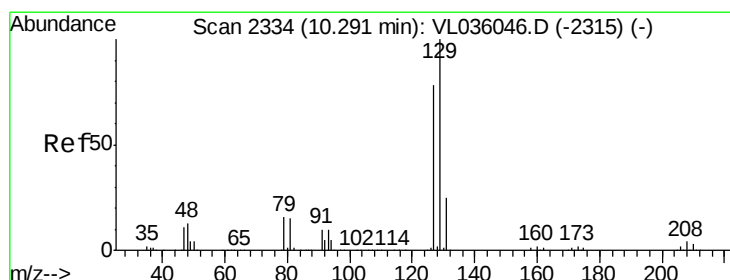
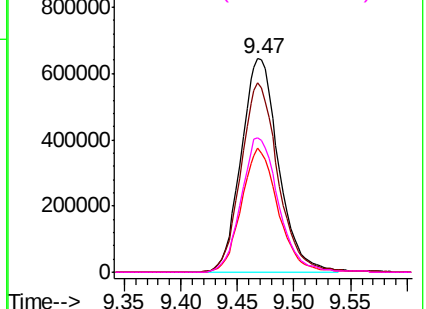
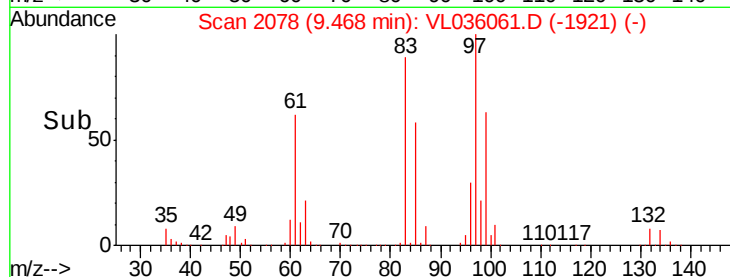


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 12.167 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. 0.01 min

Lab File: VL036061.D

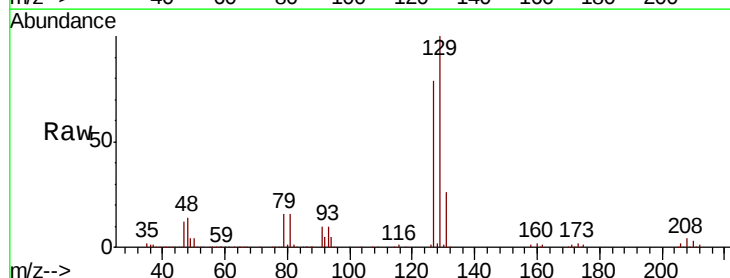
Acq: 3 Dec 2020 21:49

Tgt Ion: 129 Resp: 2356300

Ion Ratio Lower Upper

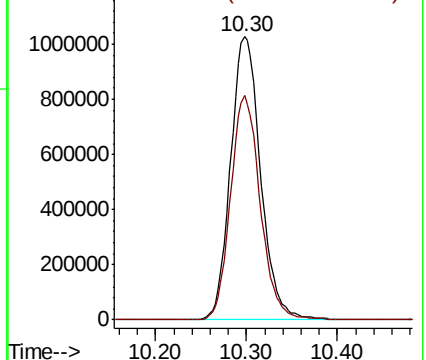
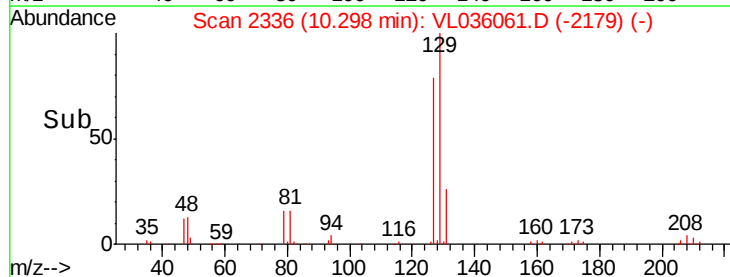
129 100

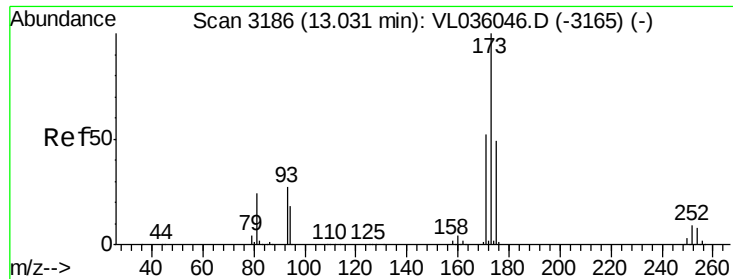
127 78.8 39.4 118.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.807 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

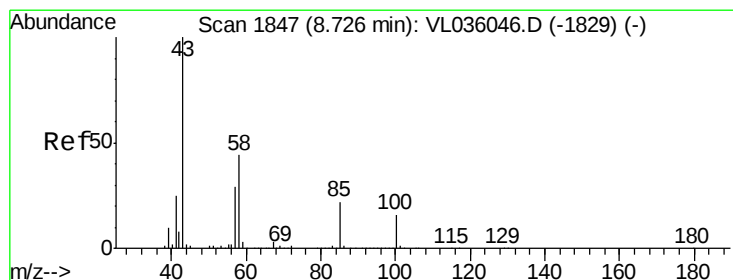
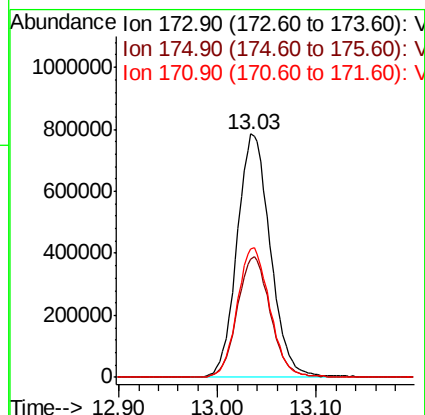
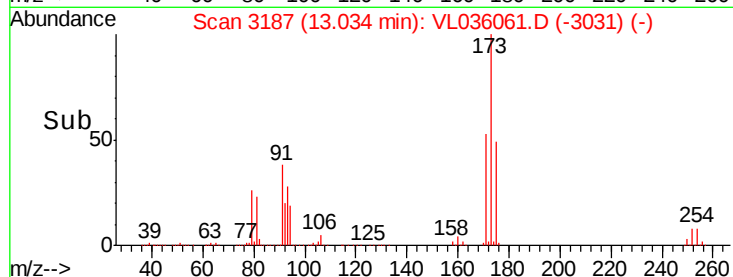
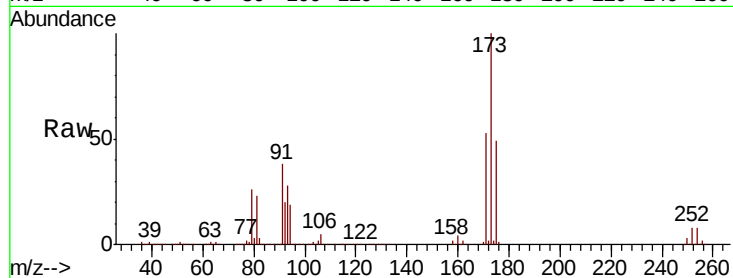
Tot Ion:173 Resp: 1836759

Ion Ratio Lower Upper

173 100

175 49.8 39.5 59.3

171 52.8 42.6 63.8



#50

4-Methyl-2-Pentanone

Concen: 11.375 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL036061.D

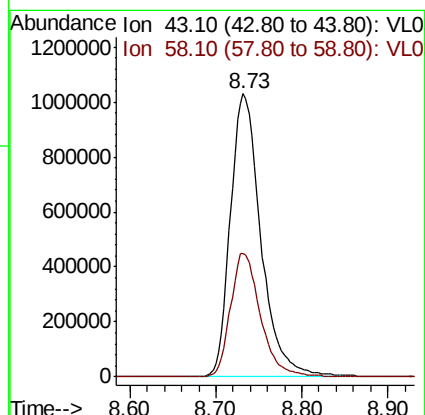
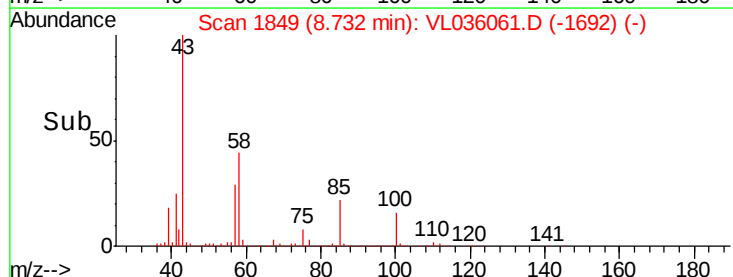
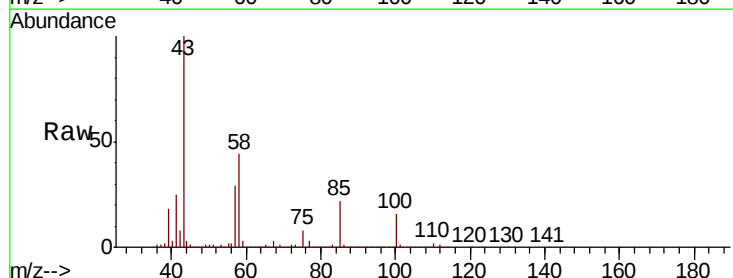
Acq: 3 Dec 2020 21:49

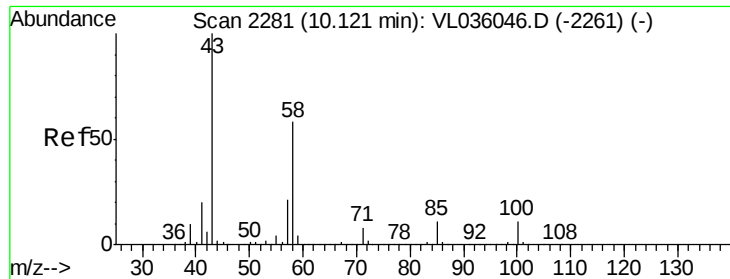
Tgt Ion: 43 Resp: 2533955

Ion Ratio Lower Upper

43 100

58 43.2 34.7 52.1

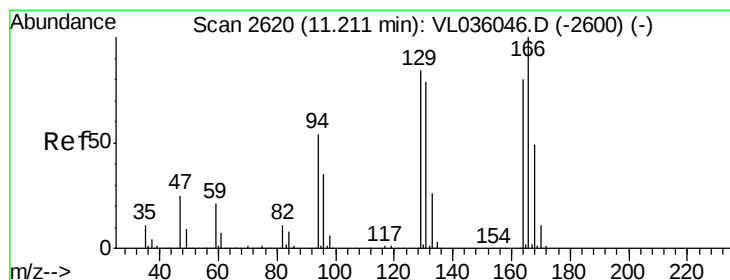
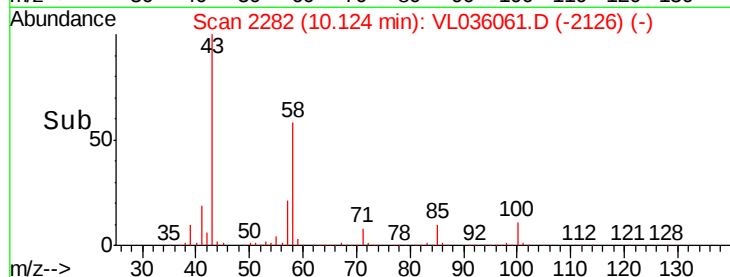
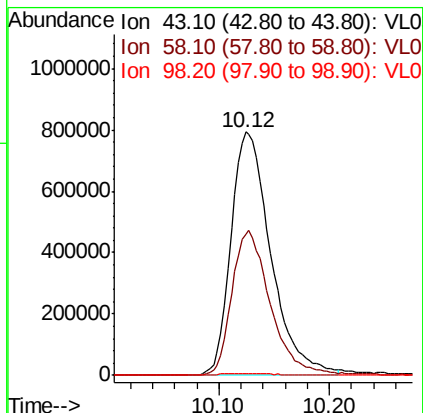
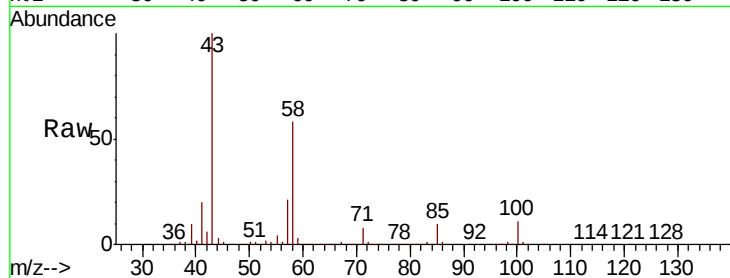




#51
2-Hexanone
Concen: 12.398 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

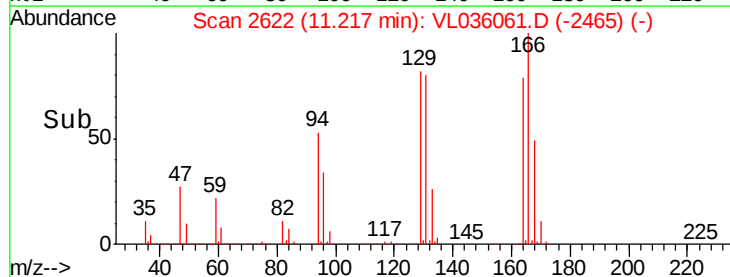
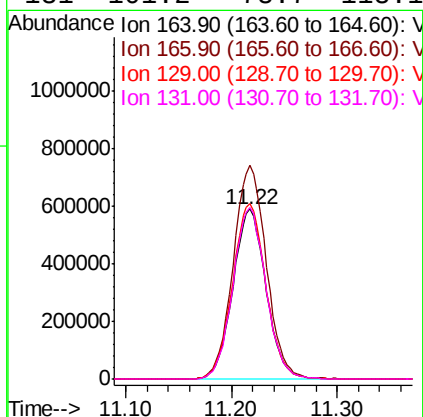
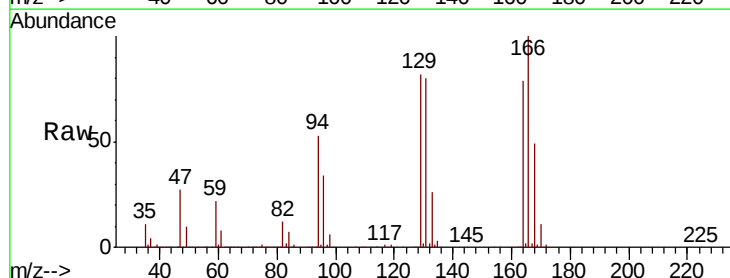
Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

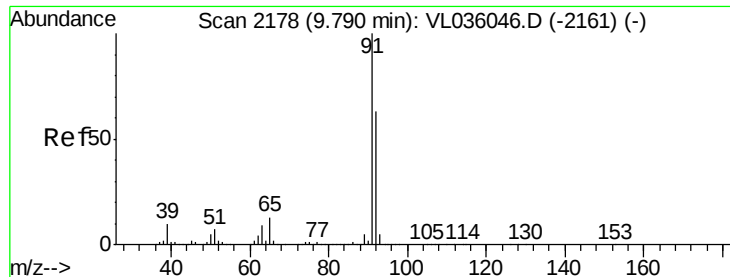
Tot Ion: 43 Resp: 1988767
Ion Ratio Lower Upper
43 100
58 57.8 45.7 68.5
98 1.0 0.8 1.2



#52
Tetrachloroethene
Concen: 11.346 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Tgt Ion:164 Resp: 1278273
Ion Ratio Lower Upper
164 100
166 125.8 100.2 150.2
129 103.1 83.7 125.5
131 101.2 78.7 118.1





#53

Toluene

Concen: 12.031 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

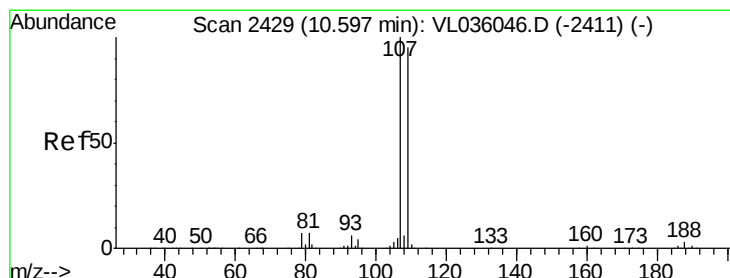
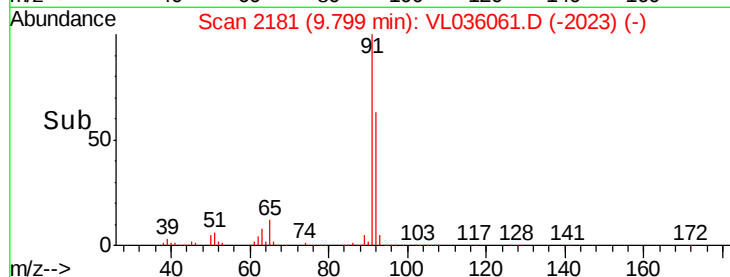
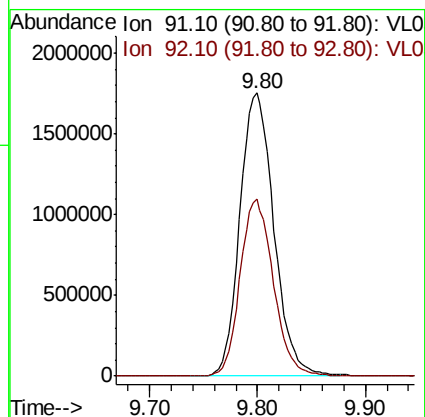
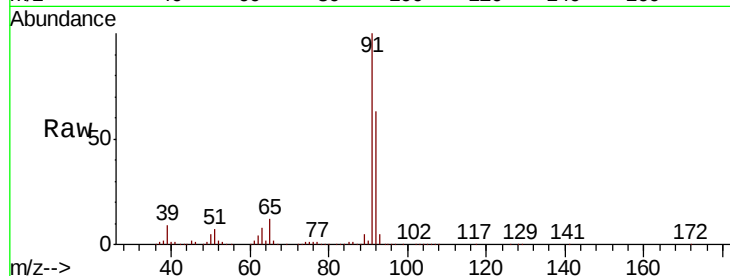
VL1203ABS01

Tot Ion: 91 Resp: 3851695

Ion Ratio Lower Upper

91 100

92 61.5 49.3 73.9



#54

1,2-Dibromoethane

Concen: 11.076 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.01 min

Lab File: VL036061.D

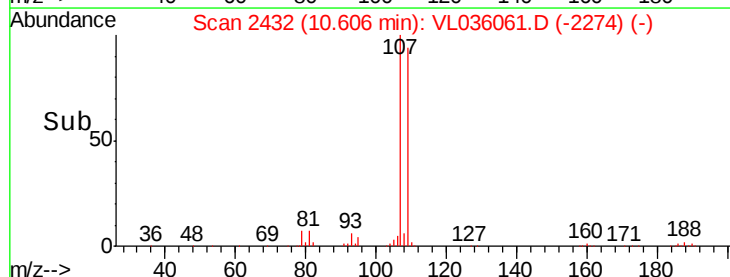
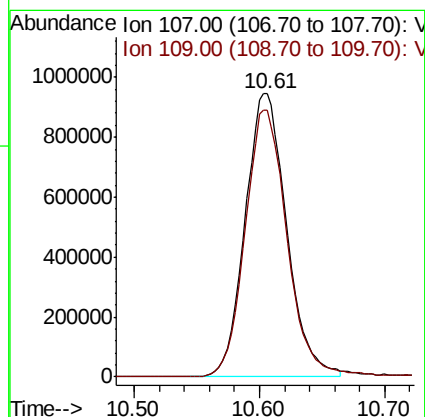
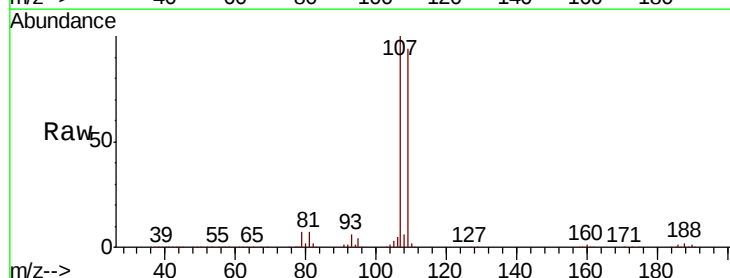
Acq: 3 Dec 2020 21:49

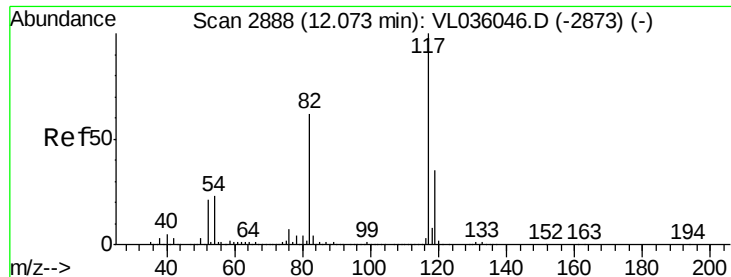
Tgt Ion: 107 Resp: 2173605

Ion Ratio Lower Upper

107 100

109 94.2 75.7 113.5

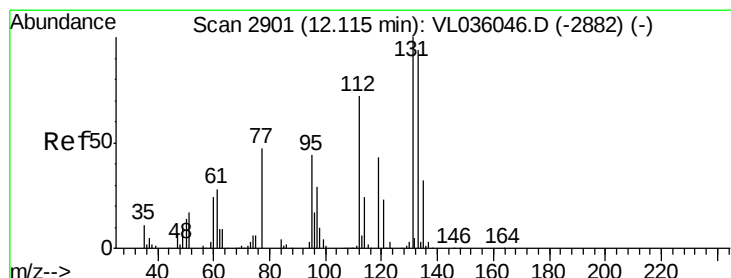
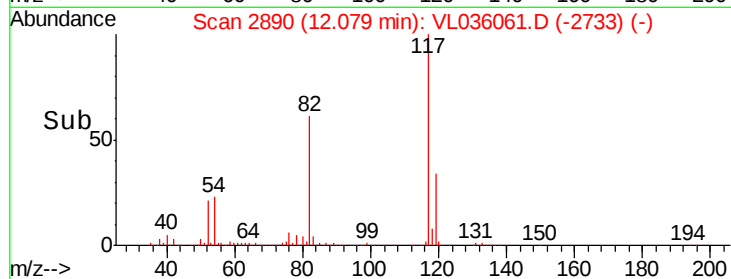
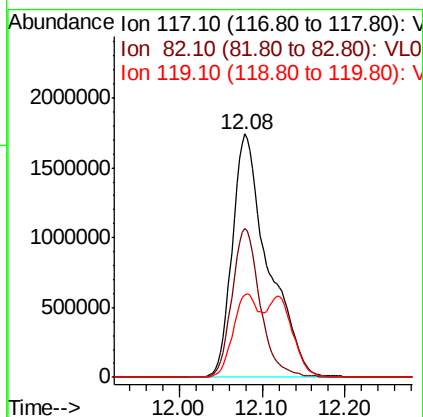
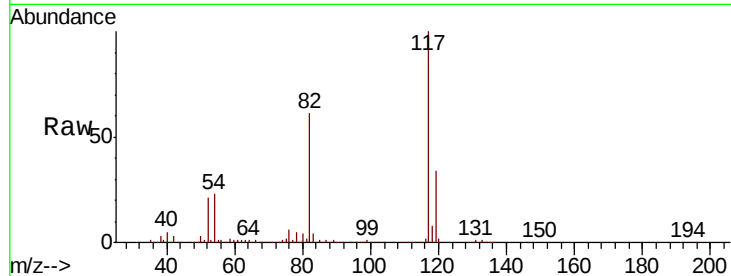




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

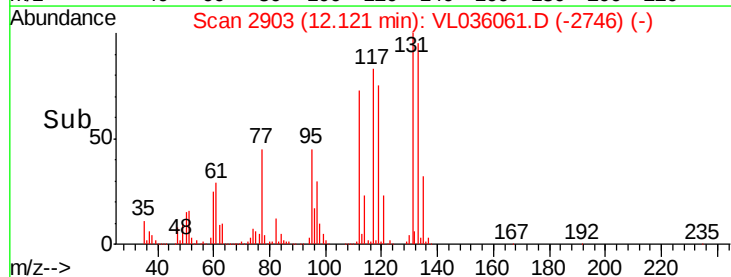
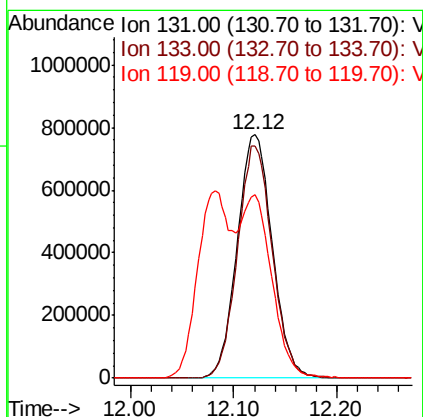
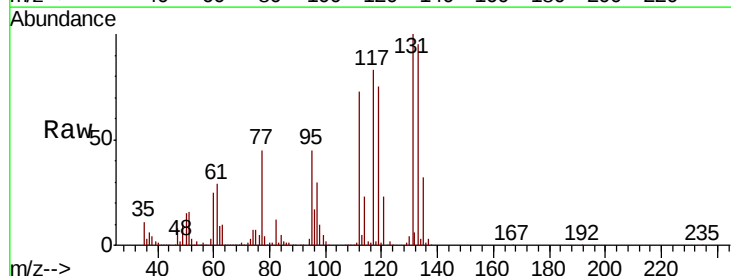
Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

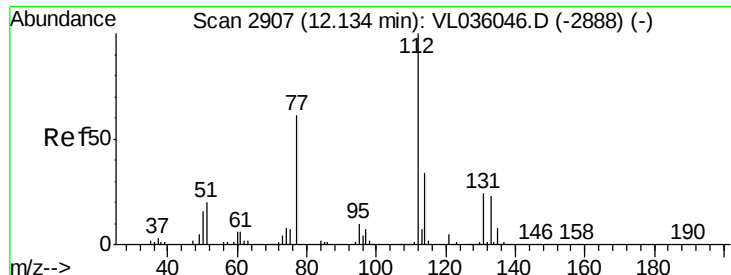
Tot Ion:117 Resp: 5258321
Ion Ratio Lower Upper
117 100
82 48.5 49.9 74.9#
119 24.0 28.7 43.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.558 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Tgt Ion:131 Resp: 1837831
Ion Ratio Lower Upper
131 100
133 94.9 76.1 114.1
119 67.9 49.5 74.3

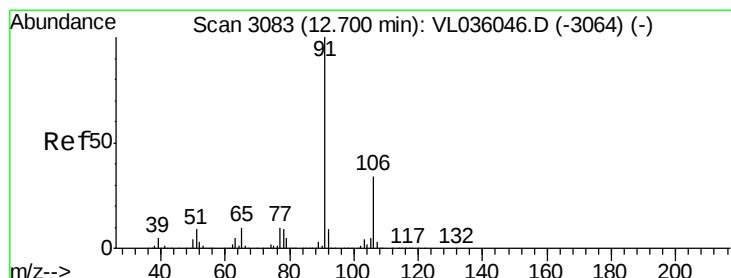
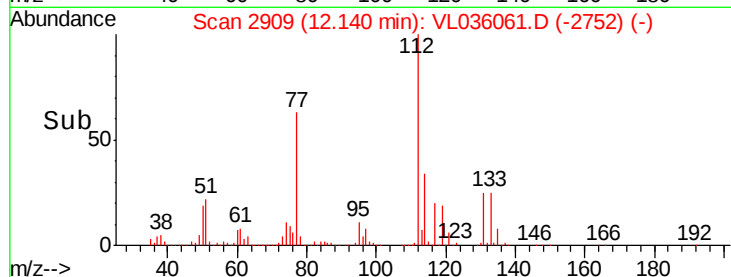
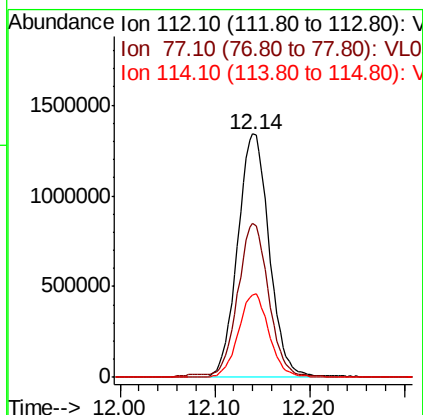
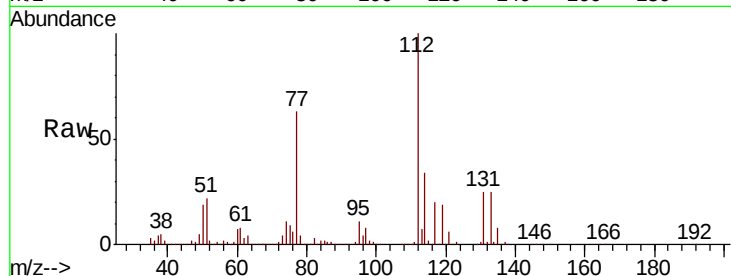




#57
Chlorobenzene
Concen: 8.070 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

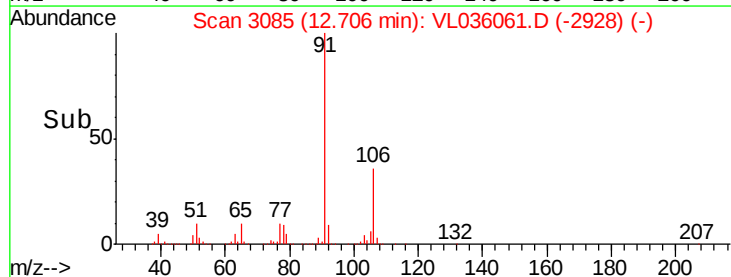
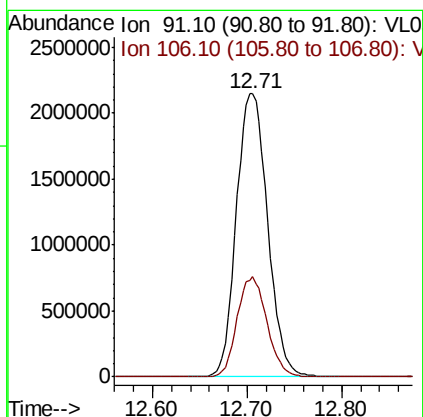
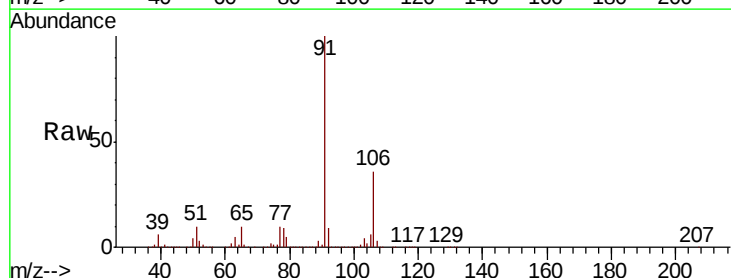
Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

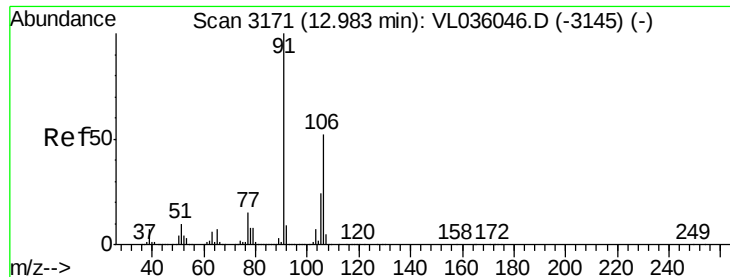
Tot Ion:112 Resp: 3123523
Ion Ratio Lower Upper
112 100
77 62.8 49.3 73.9
114 34.0 30.2 36.9



#58
Ethyl Benzene
Concen: 9.377 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Tgt Ion: 91 Resp: 4938926
Ion Ratio Lower Upper
91 100
106 35.7 27.4 41.2

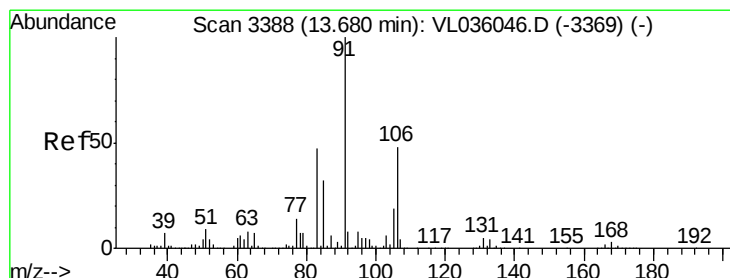
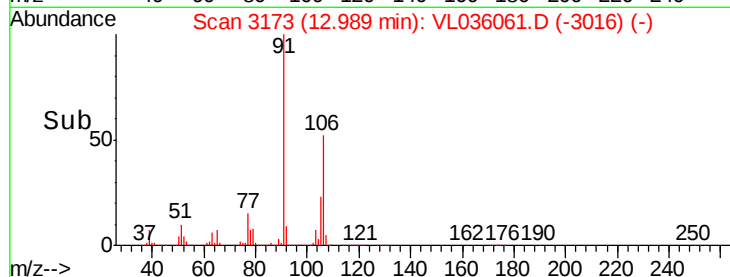
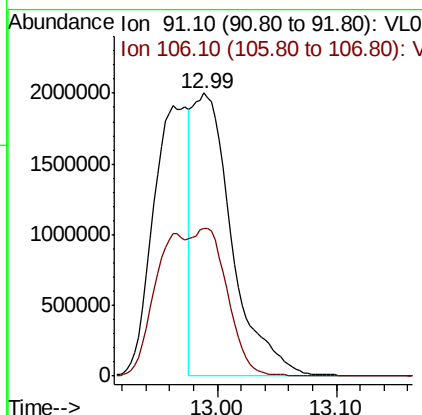
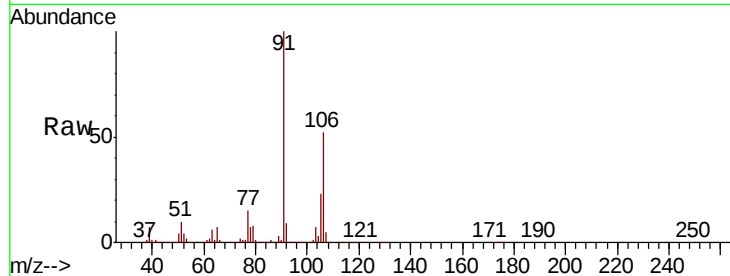




#59
m/p-Xylene
Concen: 9.576 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

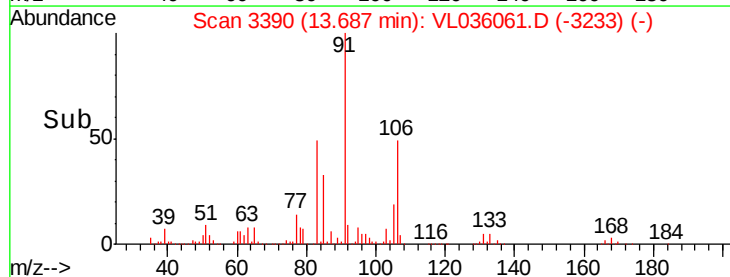
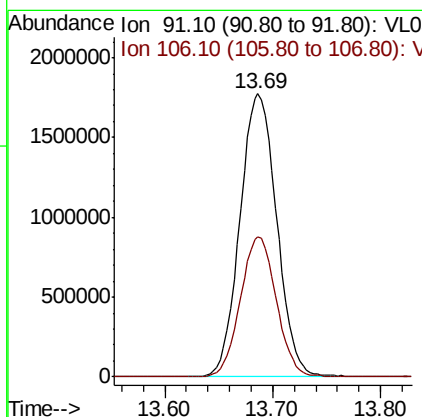
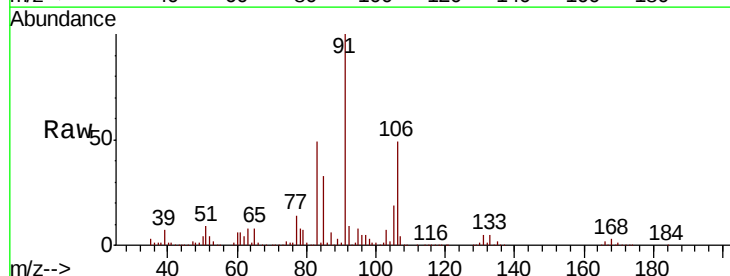
Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

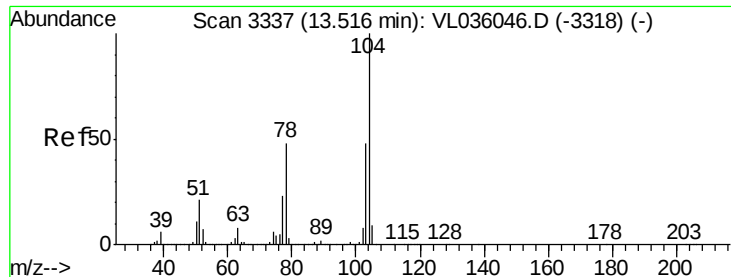
Tot Ion: 91 Resp: 4578970
Ion Ratio Lower Upper
91 100
106 90.4 38.7 58.1#



#60
o-Xylene
Concen: 8.739 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Tgt Ion: 91 Resp: 4201675
Ion Ratio Lower Upper
91 100
106 48.4 24.1 72.3





#61

Stvrene

Concen: 10.418 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

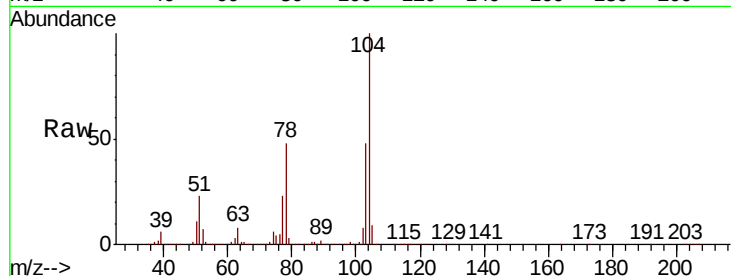
Tot Ion:104 Resp: 2862188

Ion Ratio Lower Upper

104 100

78 48.0 38.0 57.0

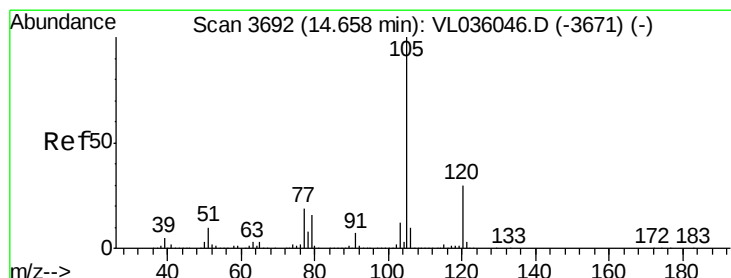
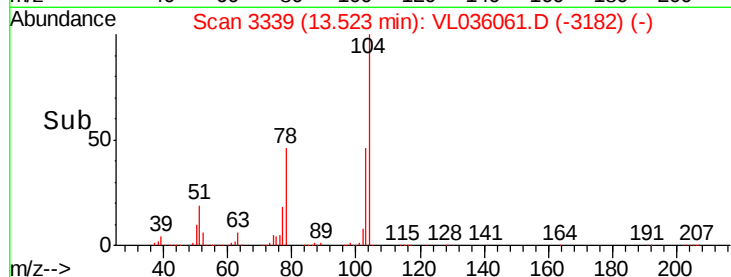
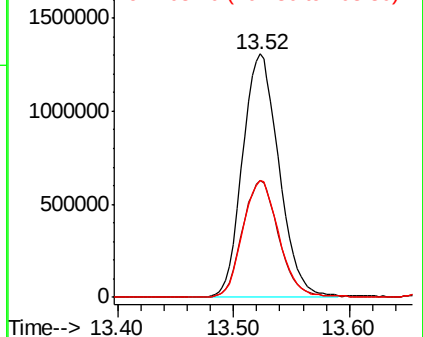
103 47.9 37.7 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.509 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.01 min

Lab File: VL036061.D

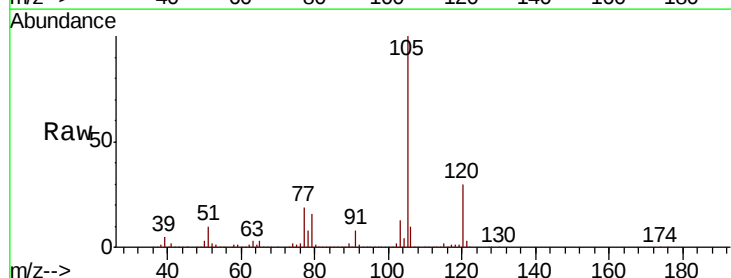
Acq: 3 Dec 2020 21:49

Tgt Ion:105 Resp: 6080571

Ion Ratio Lower Upper

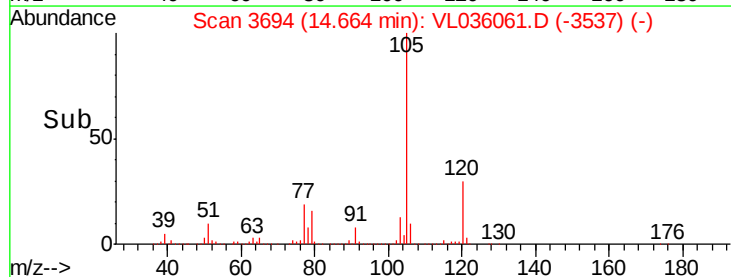
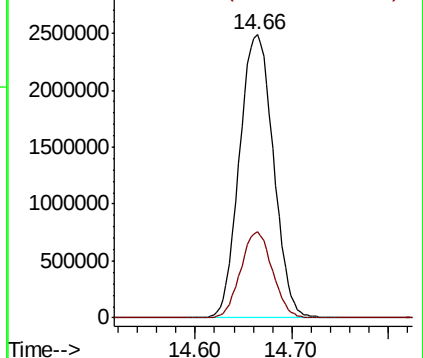
105 100

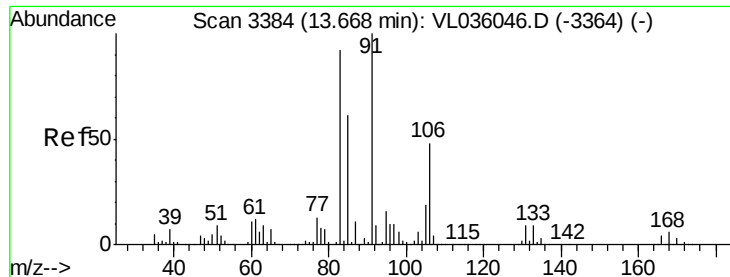
120 28.5 22.6 34.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

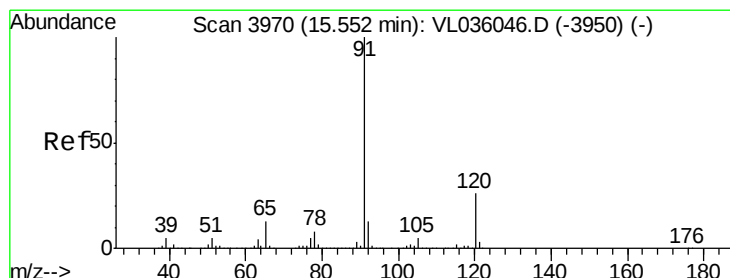
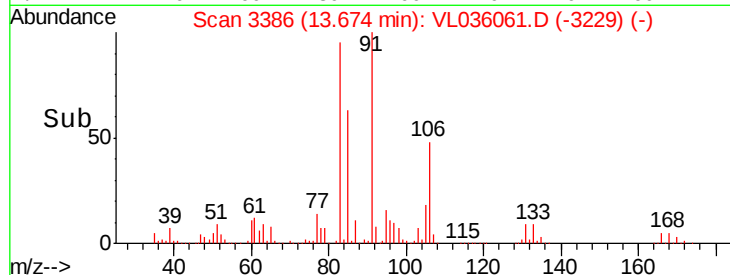
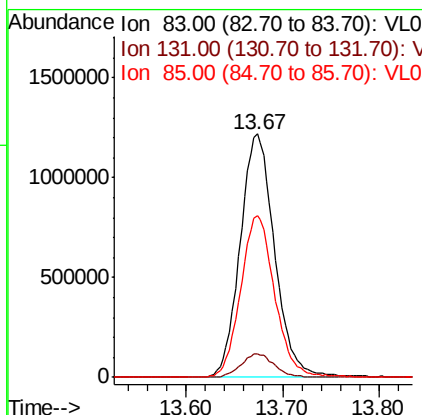
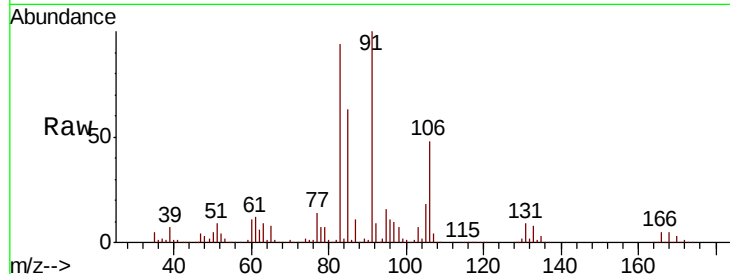




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.616 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

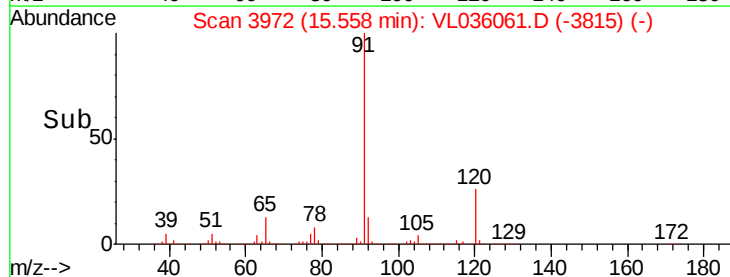
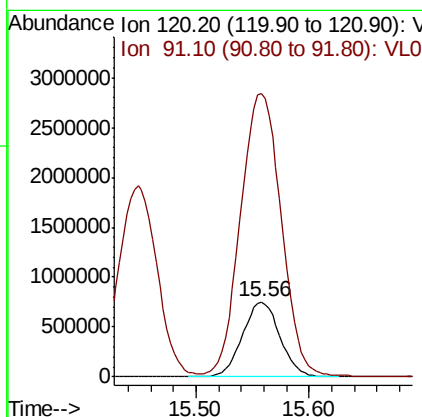
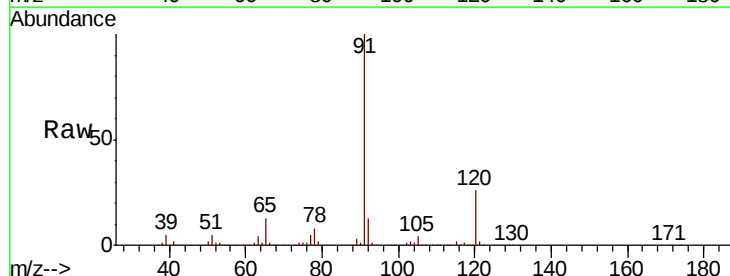
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

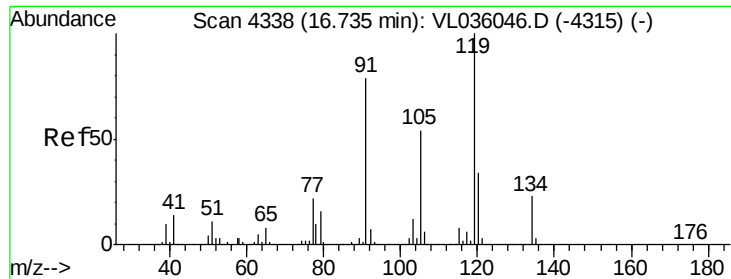
Tot Ion: 83 Resp: 3010519
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.4
 85 66.5 33.3 99.9



#64
 n-propylbenzene
 Concen: 9.132 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Tgt Ion:120 Resp: 1726825
 Ion Ratio Lower Upper
 120 100
 91 414.2 331.4 497.2

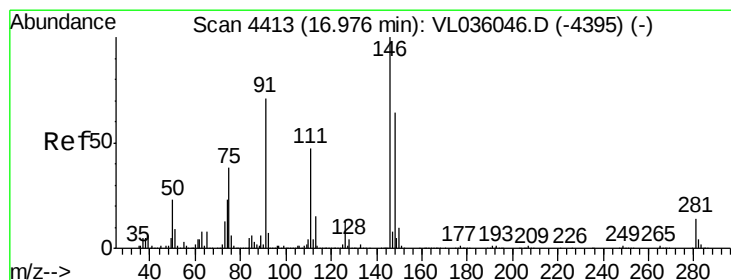
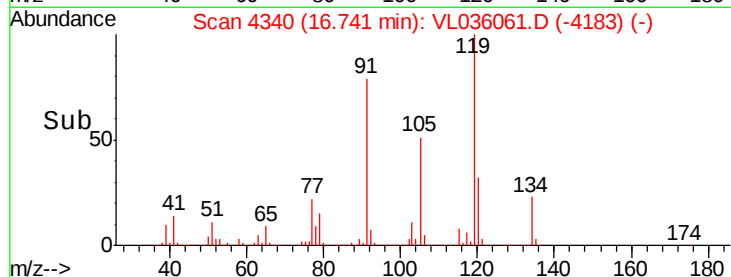
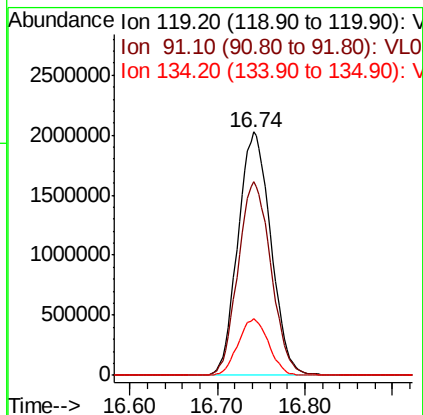
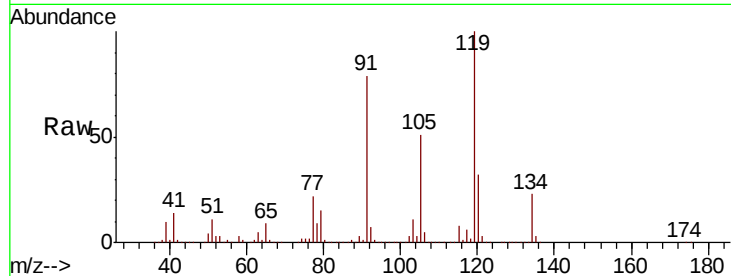




#65
tert-Butylbenzene
Concen: 8.807 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

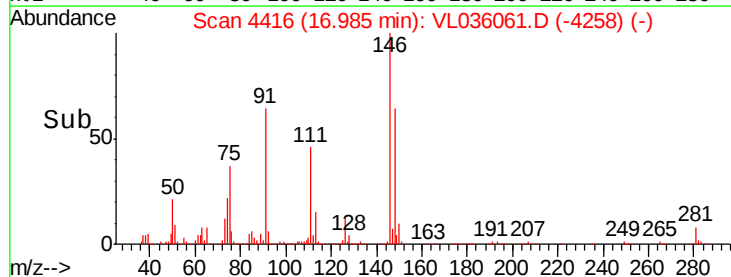
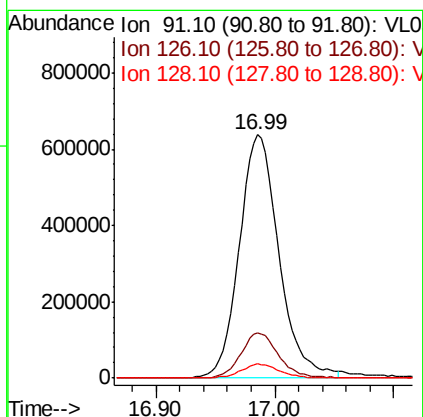
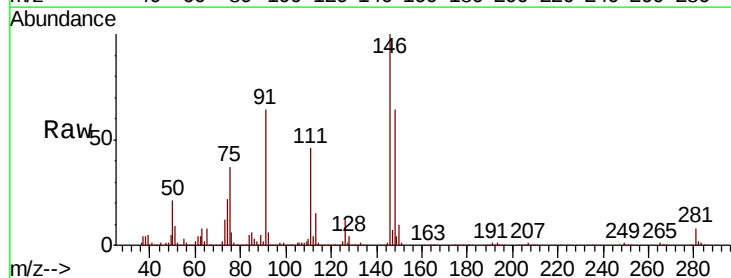
Instrument :
MSVOA_L
ClientSampleID :
VL1203ABS01

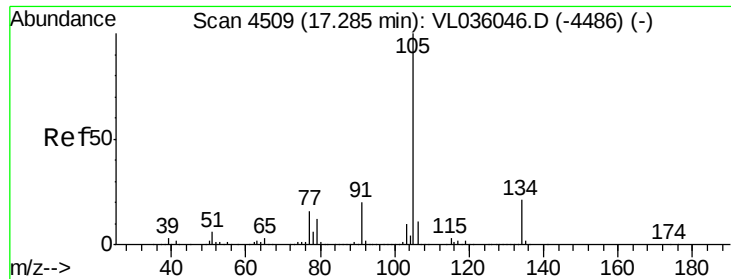
Tot Ion:119 Resp: 5283000
Ion Ratio Lower Upper
119 100
91 79.8 63.4 95.2
134 21.6 17.1 25.7



#66
Benzyl Chloride
Concen: 10.183 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. 0.01 min
Lab File: VL036061.D
Acq: 3 Dec 2020 21:49

Tgt Ion: 91 Resp: 1459764
Ion Ratio Lower Upper
91 100
126 18.1 14.3 21.5
128 5.7 4.7 7.1

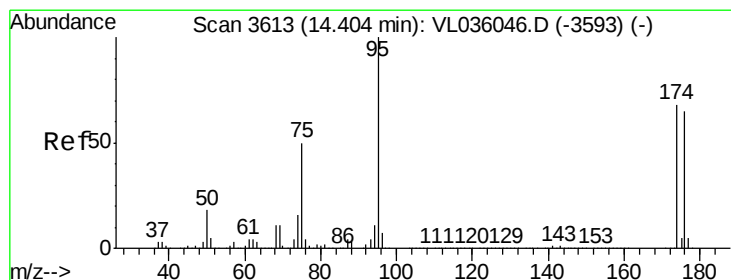
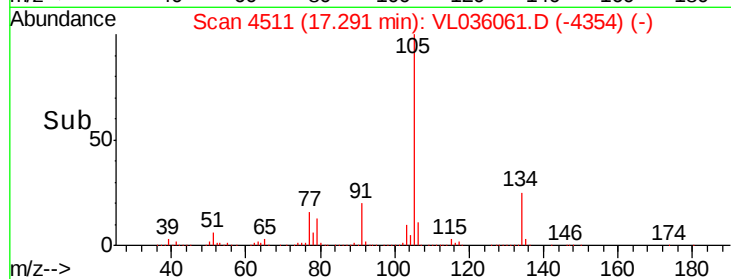
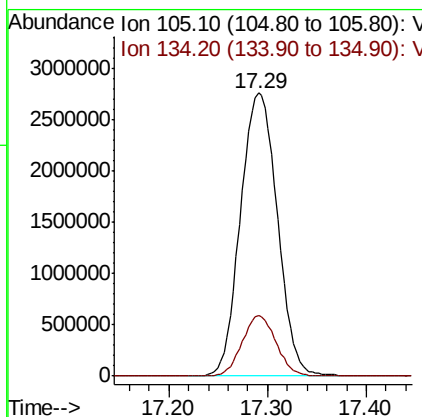
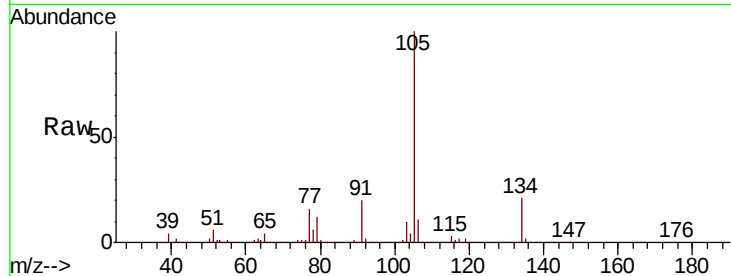




#67
 sec-Butylbenzene
 Concen: 8.675 ppbv
 RT: 17.29 min Scan# 4511
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

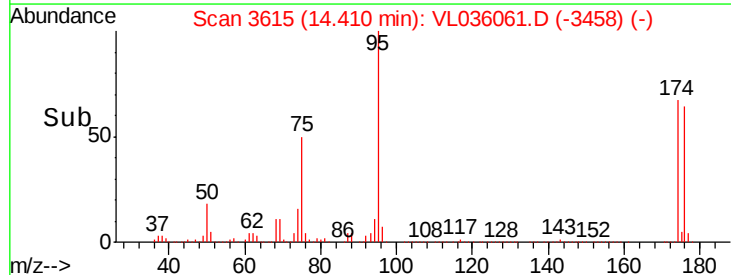
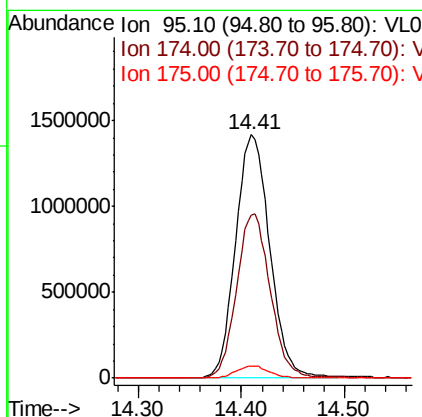
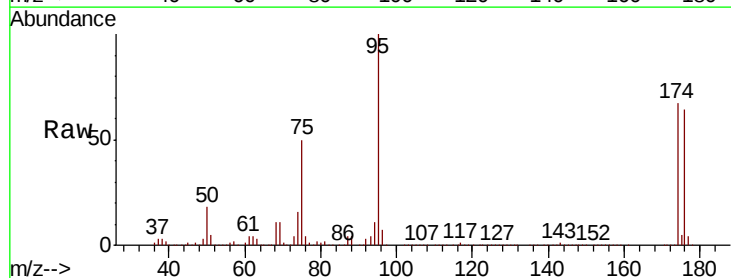
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

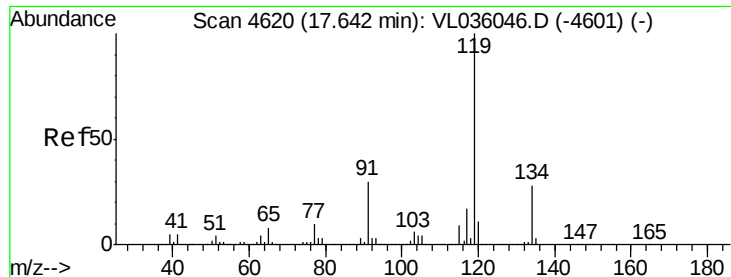
Tot Ion:105 Resp: 7137446
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.8 23.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.178 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Tgt Ion: 95 Resp: 3272114
 Ion Ratio Lower Upper
 95 100
 174 67.3 54.2 81.2
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 9.239 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

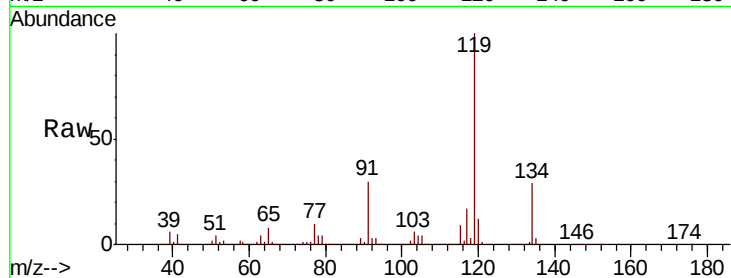
Tot Ion:119 Resp: 5696934

Ion Ratio Lower Upper

119 100

134 27.6 22.2 33.2

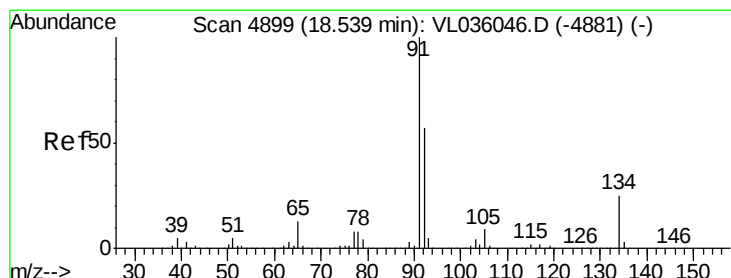
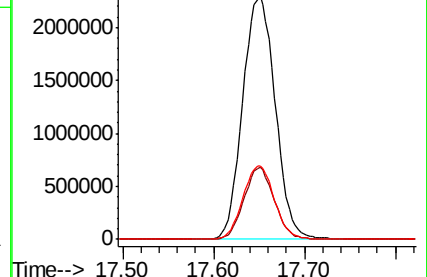
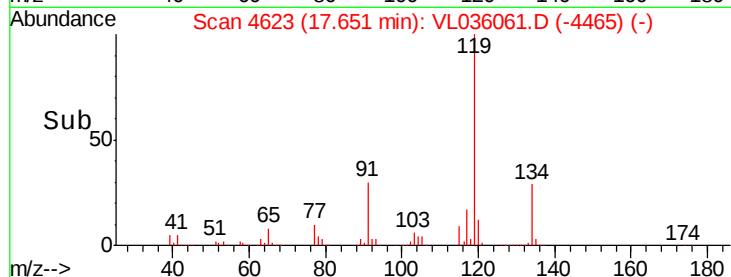
91 29.2 23.2 34.8



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: 9.163 ppbv

RT: 18.55 min Scan# 4902

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

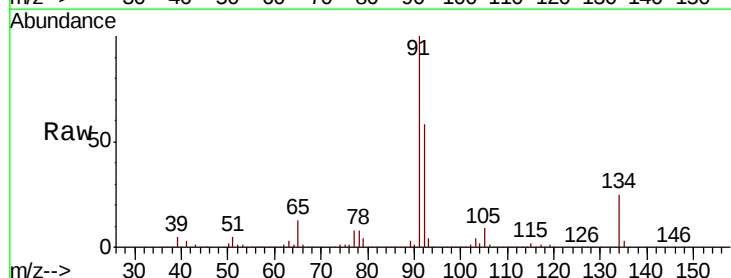
Tgt Ion: 91 Resp: 5637725

Ion Ratio Lower Upper

91 100

92 56.4 45.2 67.8

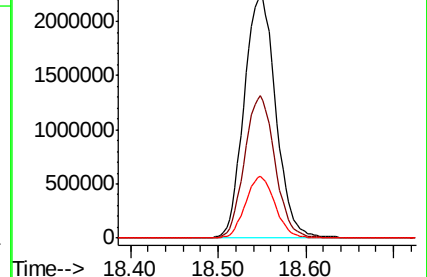
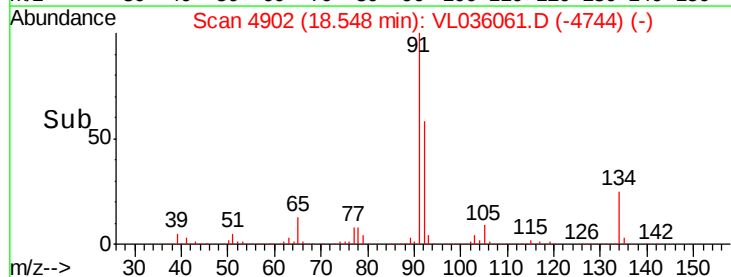
134 23.8 19.2 28.8

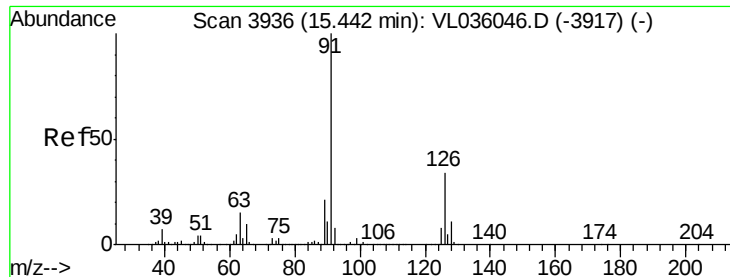


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.075 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

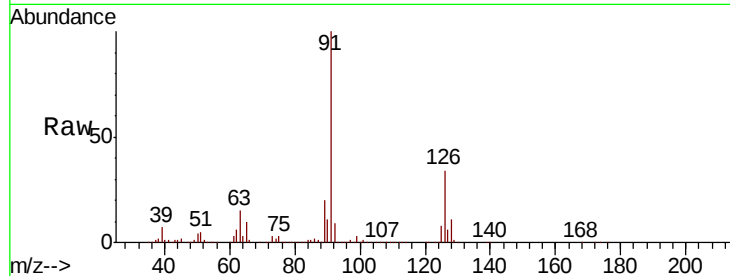
VL1203ABS01

Tot Ion: 91 Resp: 4488984

Ion Ratio Lower Upper

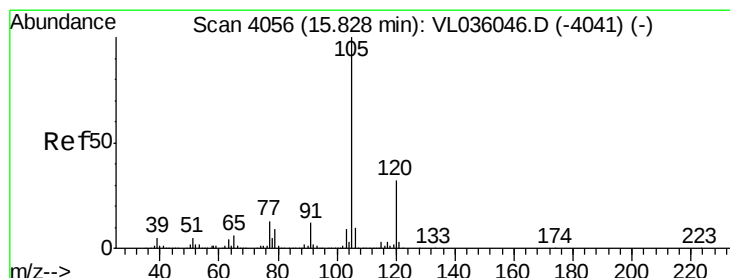
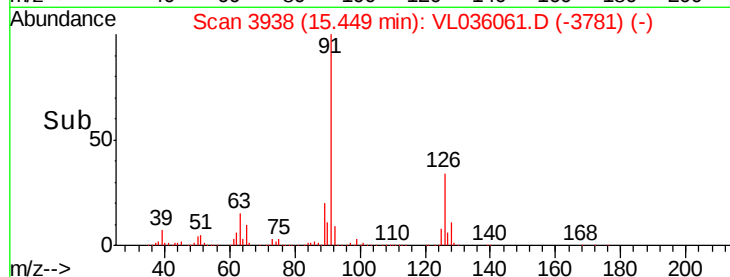
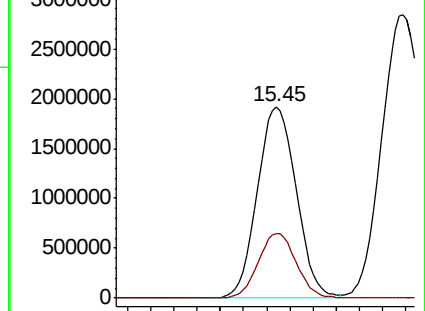
91 100

126 33.2 13.2 53.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.474 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Tgt Ion:105 Resp: 4710897

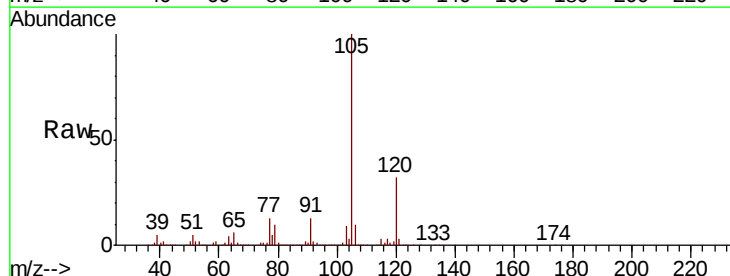
Ion Ratio Lower Upper

105 100

120 31.4 25.3 37.9

91 13.4 10.1 15.1

77 13.3 10.5 15.7

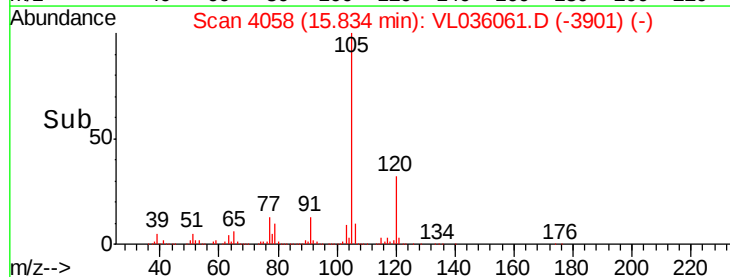
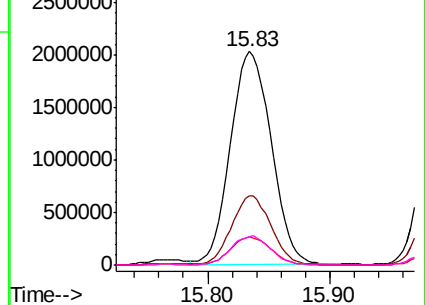


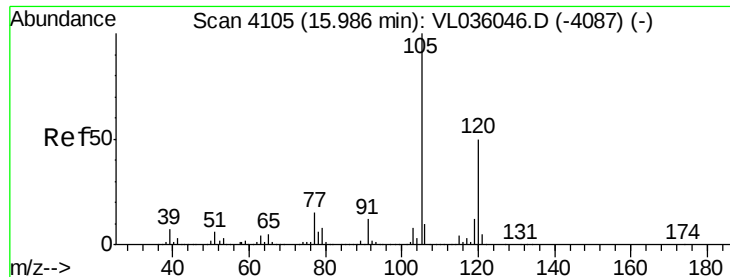
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

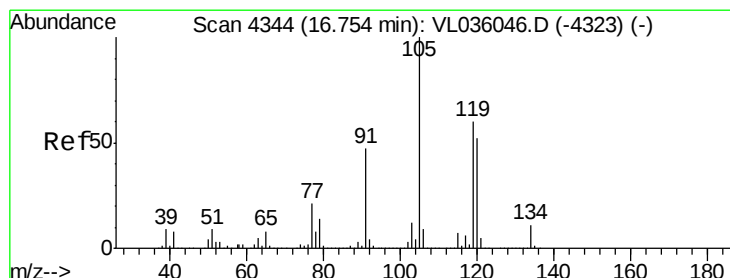
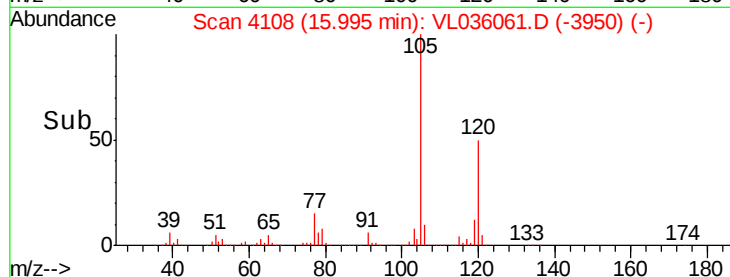
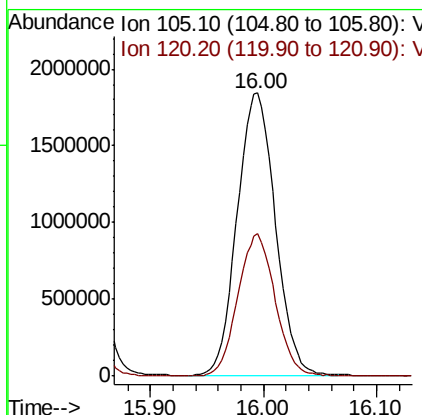
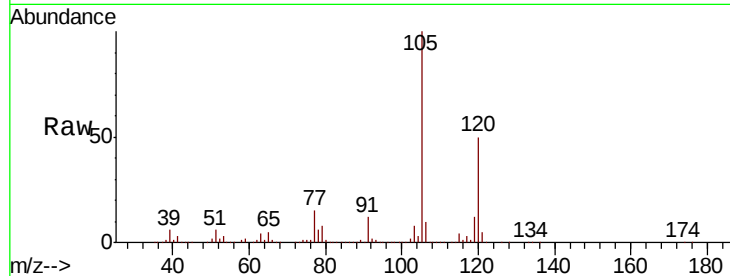




#73
 1,3,5-Trimethylbenzene
 Concen: 9.240 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

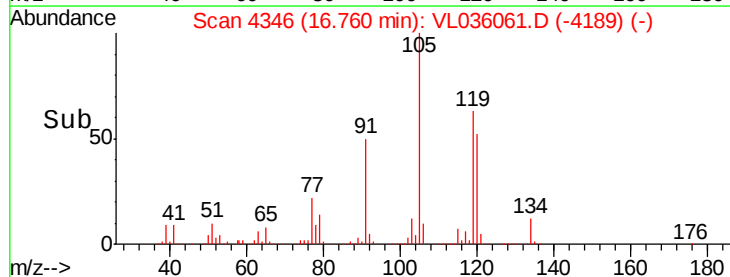
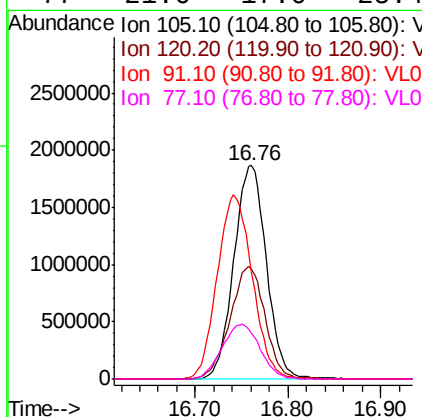
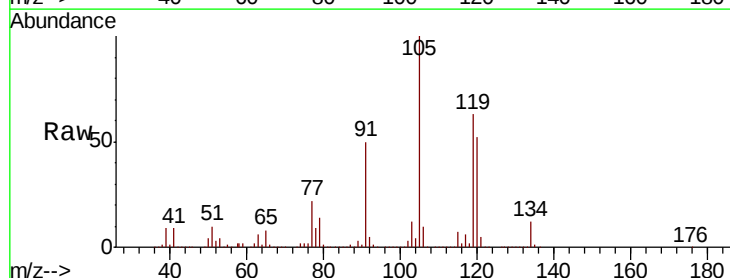
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

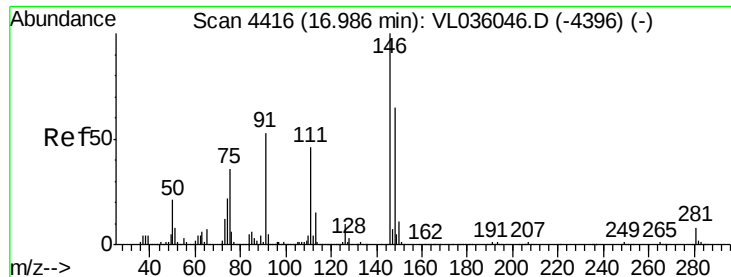
Tot Ion:105 Resp: 4319902
 Ion Ratio Lower Upper
 105 100
 120 50.2 39.8 59.8



#74
 1,2,4-Trimethylbenzene
 Concen: 8.717 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Tgt Ion:105 Resp: 4537404
 Ion Ratio Lower Upper
 105 100
 120 51.7 41.5 62.3
 91 50.0 38.1 57.1
 77 21.6 17.0 25.4





#75

1,3-Dichlorobenzene

Concen: 8.392 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

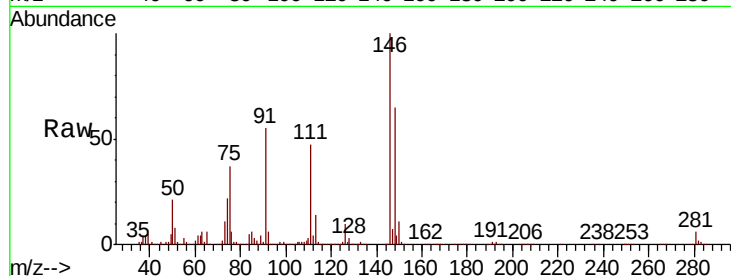
Tot Ion:146 Resp: 2616162

Ion Ratio Lower Upper

146 100

111 46.3 22.9 68.7

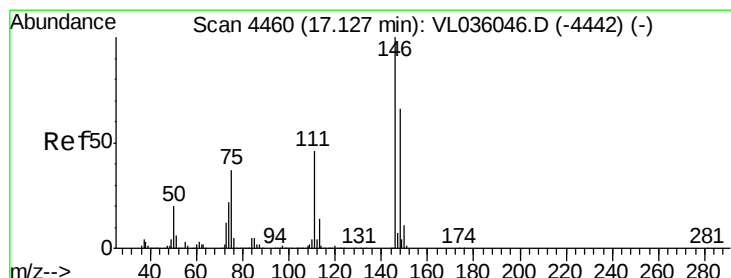
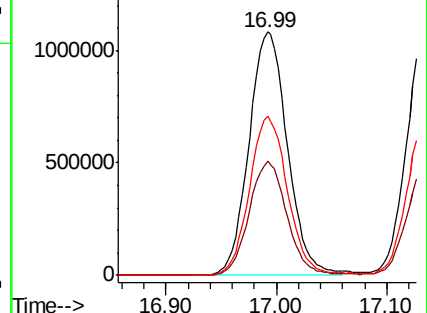
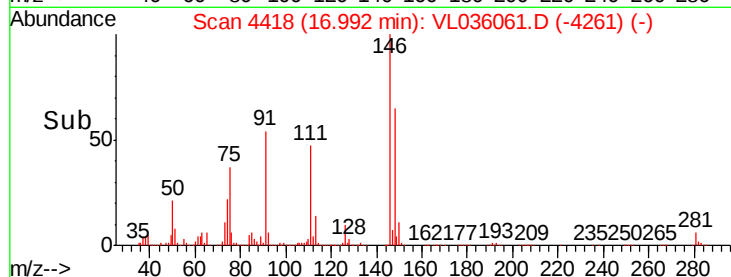
148 64.6 32.4 97.0



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: 8.565 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

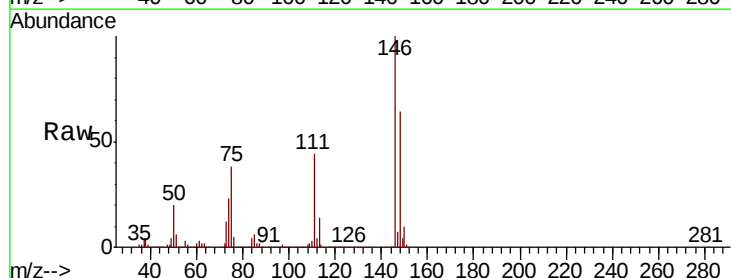
Tgt Ion:146 Resp: 2522968

Ion Ratio Lower Upper

146 100

111 44.3 22.4 67.2

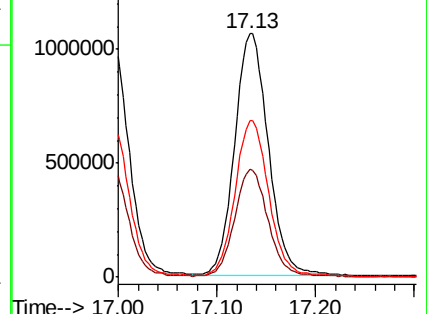
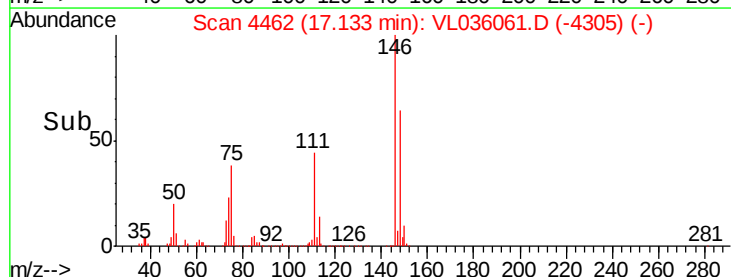
148 64.9 33.0 98.9

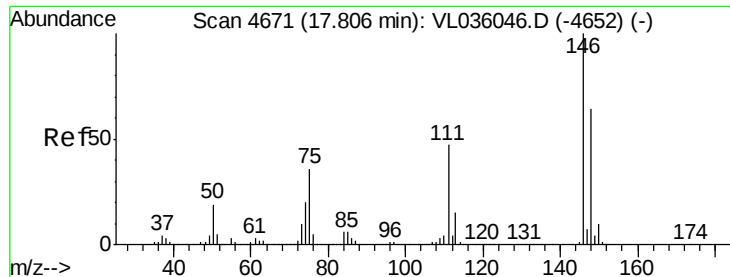


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

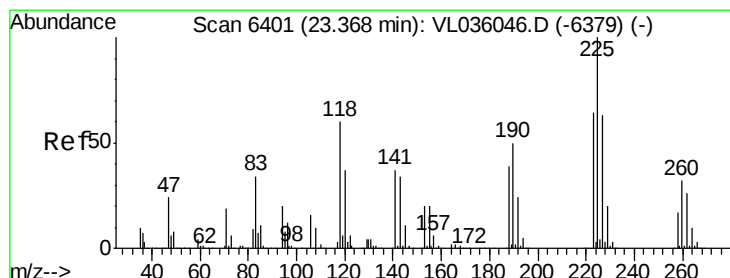
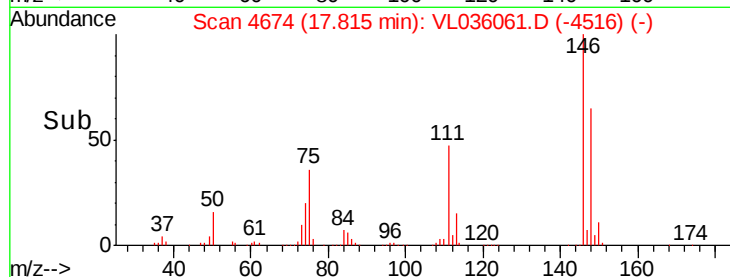
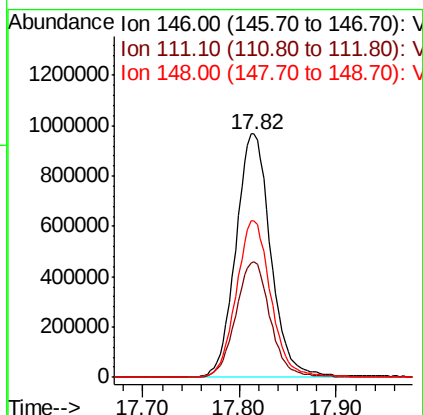
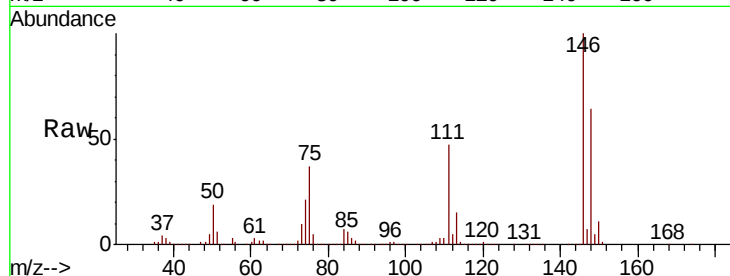




#77
 1,2-Dichlorobenzene
 Concen: 8.377 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

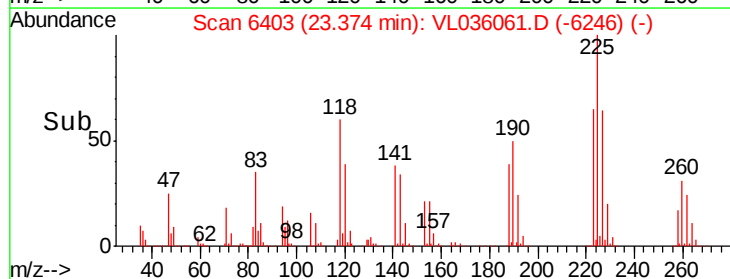
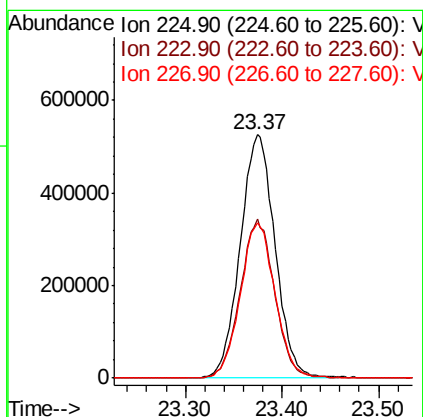
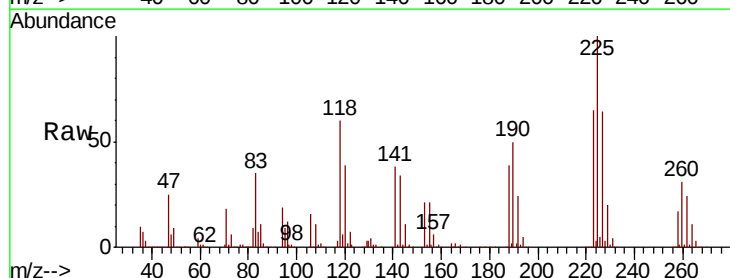
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

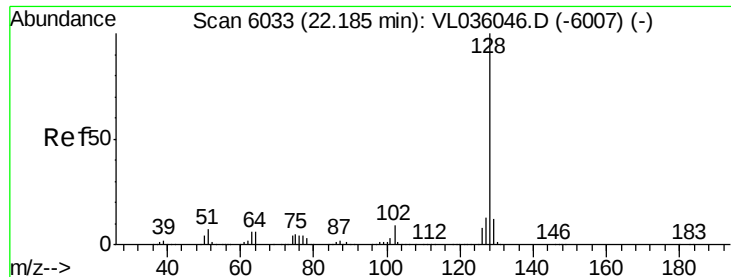
Tot Ion:146 Resp: 2409586
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.5 70.6
 148 64.2 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.300 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Tgt Ion:225 Resp: 1316837
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.0 76.4
 227 63.7 51.2 76.8





#79

Naphthalene

Concen: 10.983 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

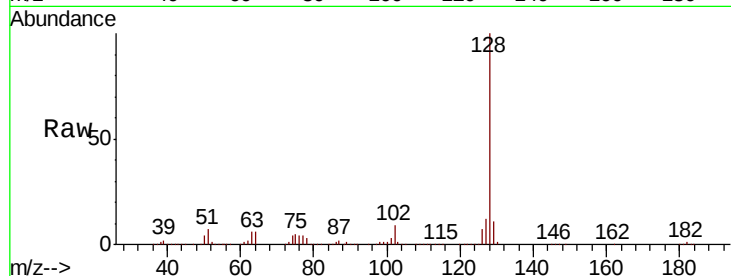
Tot Ion:128 Resp: 2729339

Ion Ratio Lower Upper

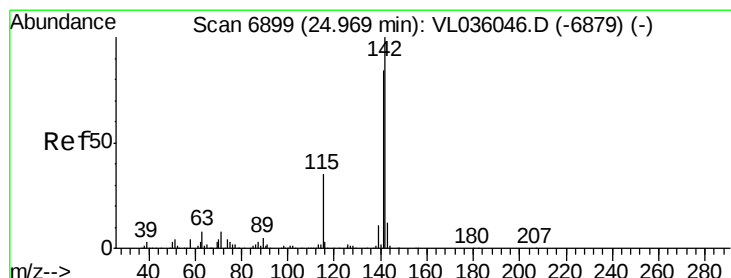
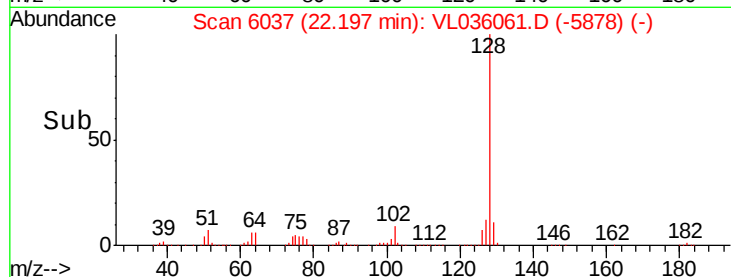
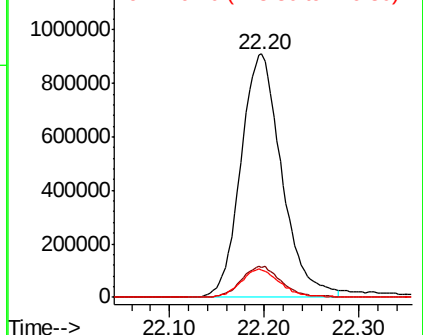
128 100

127 12.4 10.3 15.5

129 11.4 9.3 13.9



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: 13.991 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.01 min

Lab File: VL036061.D

Acq: 3 Dec 2020 21:49

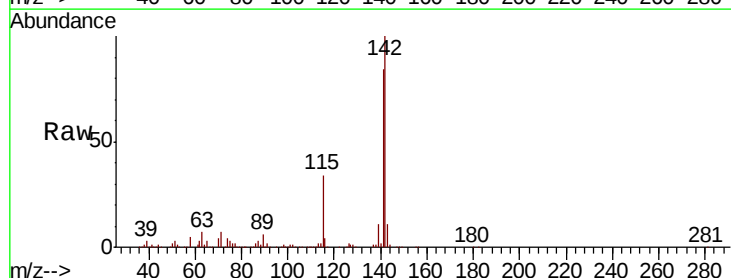
Tgt Ion:142 Resp: 727974

Ion Ratio Lower Upper

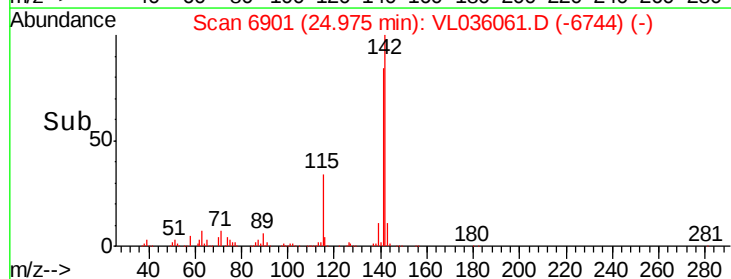
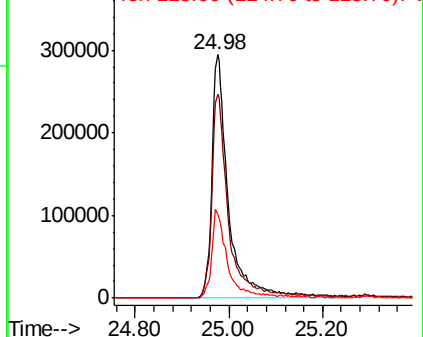
142 100

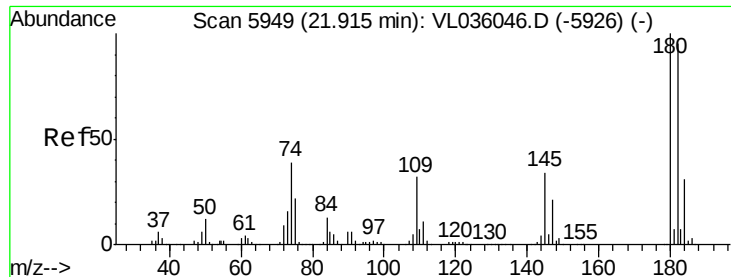
141 84.0 68.6 103.0

115 35.4 27.9 41.9



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: 9.579 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.01 min
 Lab File: VL036061.D
 Acq: 3 Dec 2020 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Tot Ion:180 Resp: 1609444
 Ion Ratio Lower Upper
 180 100
 182 99.4 78.5 117.7
 184 31.7 25.0 37.6

