

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
 Data File : VL035782.D
 Acq On : 16 Oct 2020 11:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 17 03:21:04 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	5.66	49	1107343	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4292246	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	5385345	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3127478	7.75	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1488354	8.191	ppbv	100
3) Chlorodifluoromethane	2.98	51	1208912	10.148	ppbv	99
4) Chloromethane	3.13	50	642704	10.043	ppbv	96
5) Vinyl Chloride	3.25	62	769065	10.160	ppbv	98
6) Bromomethane	3.46	94	639049	9.987	ppbv	98
7) Chloroethane	3.55	64	285566	10.286	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2088111	9.475	ppbv	100
9) Propene	3.00	41	466246	10.779	ppbv	100
10) Heptane	8.12	43	1345101	11.155	ppbv	99
11) Trichlorofluoromethane	3.94	101	2530864	9.762	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1874230	9.698	ppbv	100
13) Ethanol	3.60	45	99471	9.325	ppbv	96
14) Bromoethene	3.73	108	849435	10.435	ppbv	100
15) Acetone	3.84	43	1057729	8.877	ppbv	100
16) 1,3-Butadiene	3.32	39	481058	11.036	ppbv	99
17) tert-Butyl alcohol	4.29	59	1456015	11.218	ppbv	100
18) 1,1-Dichloroethene	4.28	96	878955	10.388	ppbv	97
19) Isopropyl Alcohol	3.96	45	700643	10.810	ppbv	# 97
20) Methylene Chloride	4.34	84	723113	8.262	ppbv	97
21) Allyl Chloride	4.40	41	632143	10.945	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	910559	10.186	ppbv	98
23) Vinyl Acetate	5.07	43	1686232	11.554	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1612511	10.144	ppbv	99
25) Ethyl Acetate	5.67	43	2213904	10.326	ppbv	100
26) Hexane	5.68	57	1227870	10.451	ppbv	99
27) Carbon Disulfide	4.54	76	1961327	11.200	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2194506	11.783	ppbv	99
29) Chloroform	5.75	83	2421491	10.149	ppbv	99
30) Cyclohexane	7.13	84	1329792	11.472	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1310010	11.551	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2387066	11.350	ppbv	100
34) 2-Butanone	5.24	43	1527892	10.762	ppbv	99
35) Carbon Tetrachloride	7.02	117	2422150	10.823	ppbv	99
36) Benzene	6.89	78	3077360	11.003	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1512893	10.379	ppbv	100
38) Trichloroethene	7.84	130	1503359	10.775	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1073954	10.594	ppbv	97
40) 1,4-Dioxane	7.83	88	501352	10.814	ppbv	97
41) Tetrahydrofuran	6.05	42	866769	12.119	ppbv	99
42) Bromodichloromethane	7.80	83	2542345	10.827	ppbv	100
43) Methyl Methacrylate	8.02	69	1295379	11.646	ppbv	99

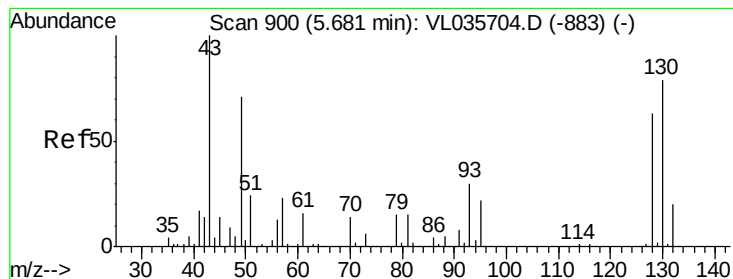
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4147902	10.335	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1465565	13.050	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1745182	12.607	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1478447	10.182	ppbv	99
48) Dibromochloromethane	10.31	129	2487554	11.256	ppbv	100
49) Bromoform	13.05	173	2240023	11.946	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2240285	10.804	ppbv	100
51) 2-Hexanone	10.14	43	1888999	11.307	ppbv #	100
52) Tetrachloroethene	11.23	164	1445185	10.745	ppbv	99
53) Toluene	9.81	91	3841920	11.649	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2326861	10.702	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1937451	8.580	ppbv	97
57) Chlorobenzene	12.16	112	3191821	7.847	ppbv	99
58) Ethyl Benzene	12.72	91	4979256	9.212	ppbv	99
59) m/p-Xylene	13.01	91	4736521	10.034	ppbv #	47
60) o-Xylene	13.71	91	4113420	8.615	ppbv	100
61) Styrene	13.54	104	3249367	9.842	ppbv	99
62) Isopropylbenzene	14.68	105	6220569	8.399	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2980077	7.611	ppbv	100
64) n-propylbenzene	15.58	120	1907788	8.801	ppbv	99
65) tert-Butylbenzene	16.76	119	5729781	8.509	ppbv	99
66) Benzyl Chloride	17.01	91	2123501	10.408	ppbv	98
67) sec-Butylbenzene	17.31	105	7663041	8.241	ppbv	100
69) p-Isopropyltoluene	17.67	119	6468316	8.550	ppbv	99
70) n-Butylbenzene	18.57	91	6382603	8.193	ppbv	99
71) 2-Chlorotoluene	15.47	91	4737625	8.770	ppbv	99
72) 4-Ethyltoluene	15.86	105	5056001	8.938	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4672202	8.741	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4839152	8.031	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	3210842	7.805	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3243414	8.248	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3142211	8.087	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1705349	7.955	ppbv	100
79) Naphthalene	22.23	128	4778891	8.315	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	1412081	10.416	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	2493552	8.372	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

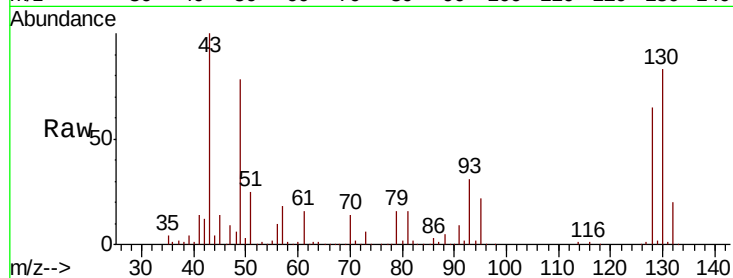
Tot Ion: 49 Resp: 1107343

Ion Ratio Lower Upper

49 100

128 84.8 43.1 129.4

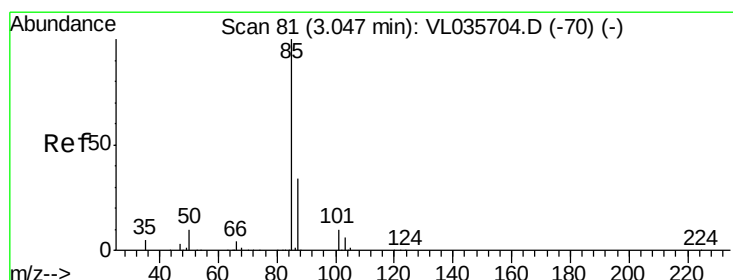
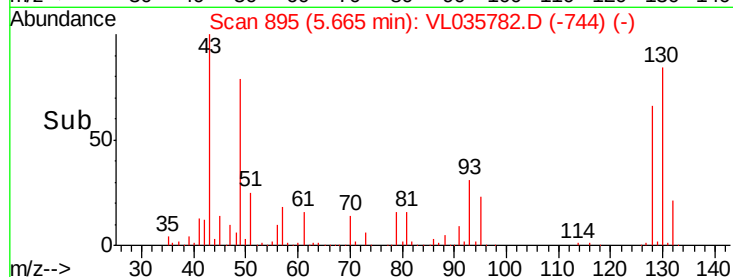
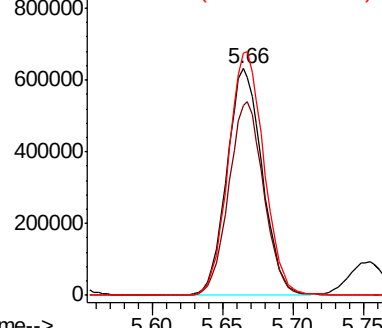
130 108.3 54.9 164.7



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: 8.191 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL035782.D

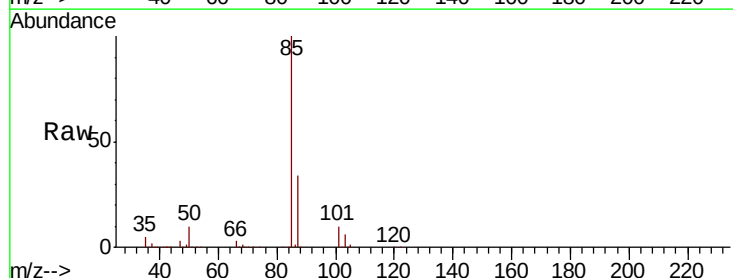
Acq: 16 Oct 2020 11:05

Tgt Ion: 85 Resp: 1488354

Ion Ratio Lower Upper

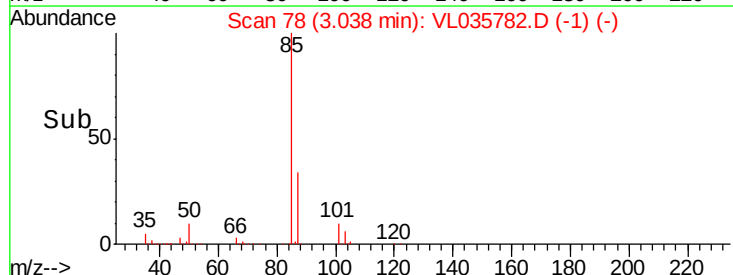
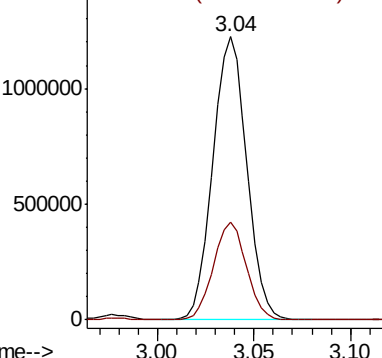
85 100

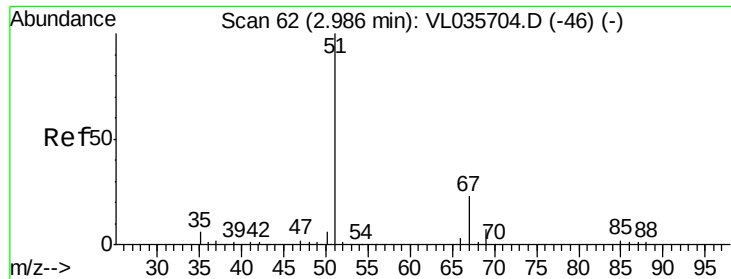
87 34.3 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.148 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

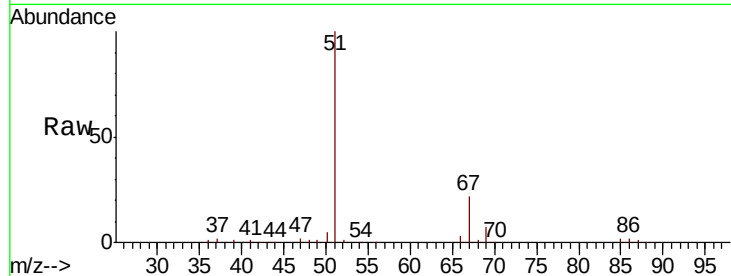
ClientSampleId :

Tot Ion: 51 Resp: 1208912

Ion Ratio Lower Upper

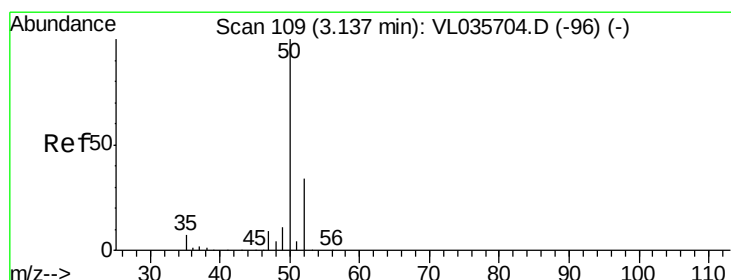
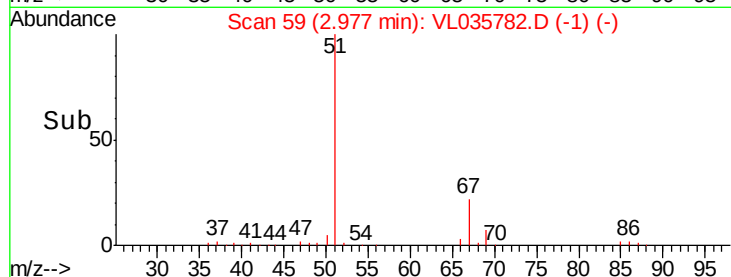
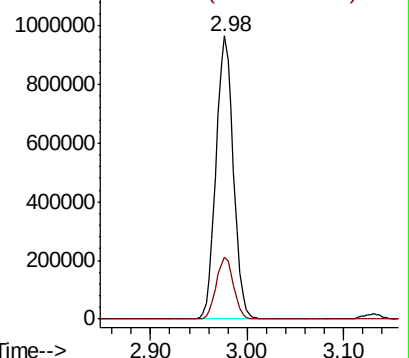
51 100

67 21.9 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: 10.043 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035782.D

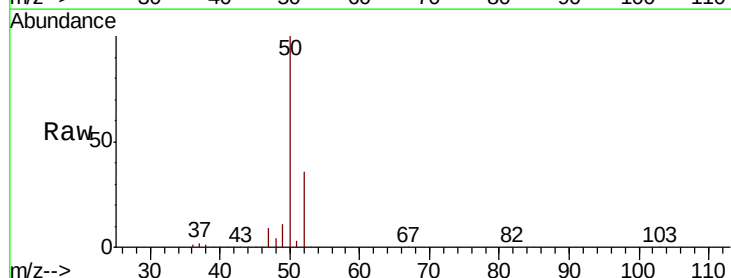
Acq: 16 Oct 2020 11:05

Tgt Ion: 50 Resp: 642704

Ion Ratio Lower Upper

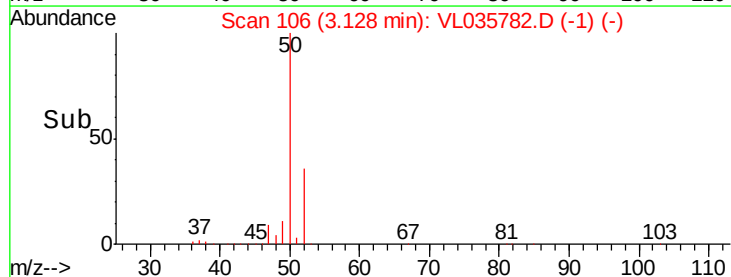
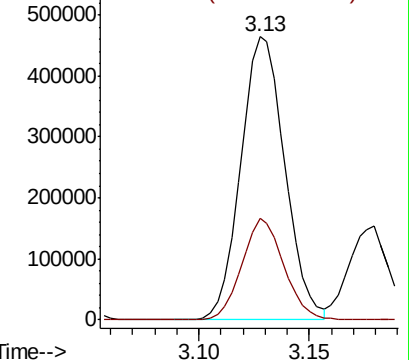
50 100

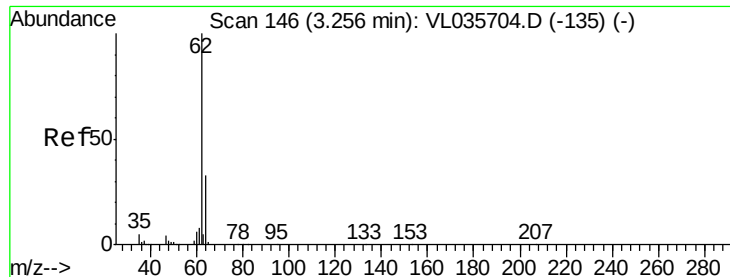
52 35.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.160 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

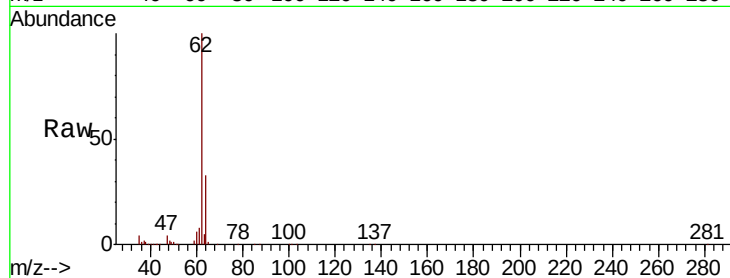
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 769065

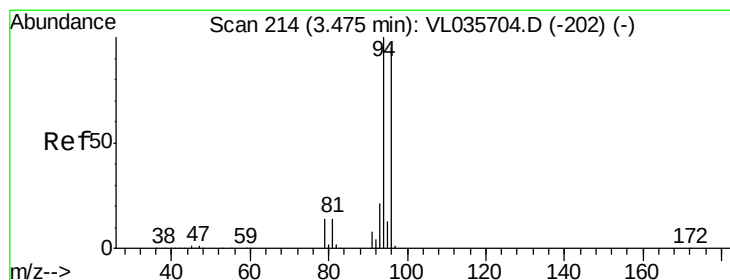
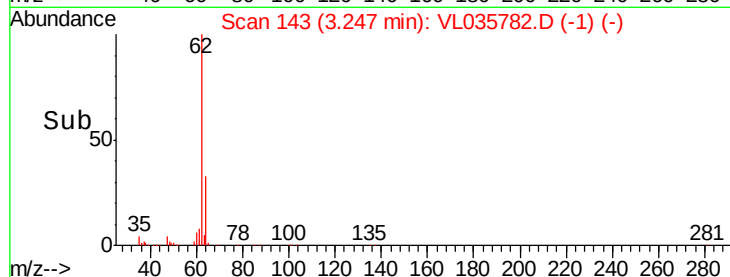
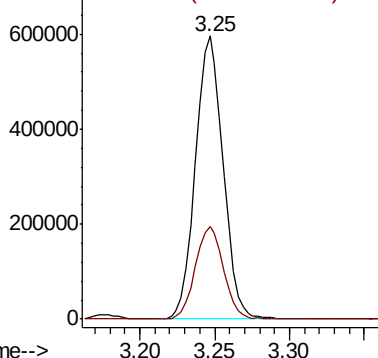
Ion Ratio Lower Upper

62 100

64 32.6 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.987 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL035782.D

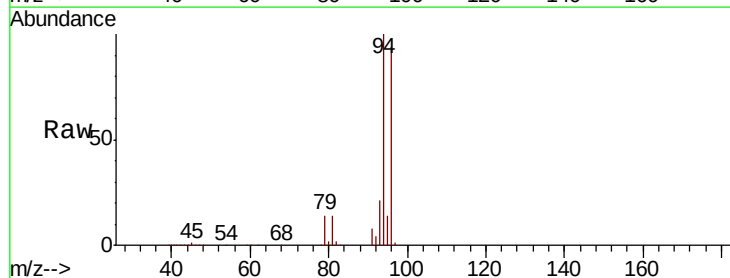
Acq: 16 Oct 2020 11:05

Tgt Ion: 94 Resp: 639049

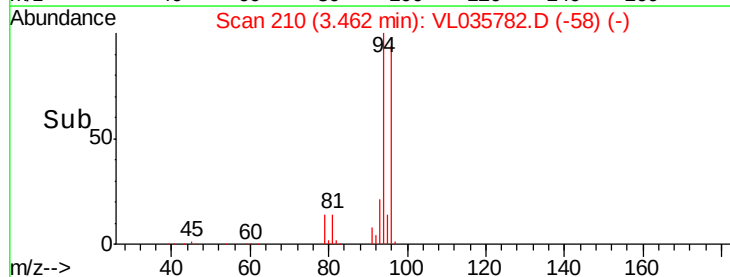
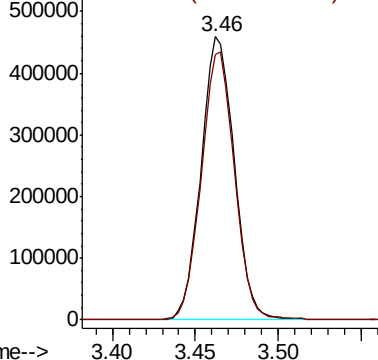
Ion Ratio Lower Upper

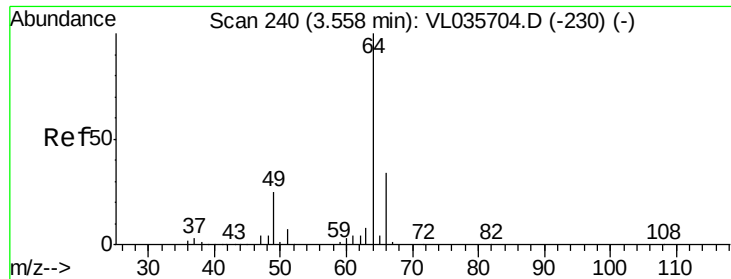
94 100

96 93.9 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0
Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.286 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

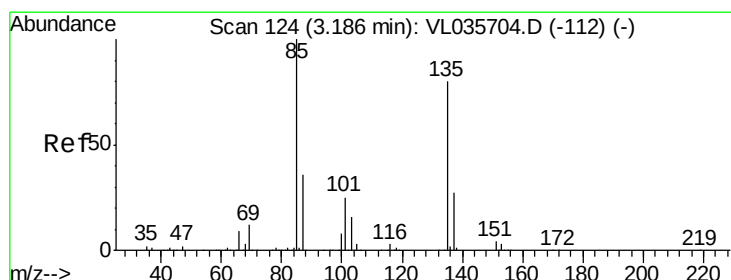
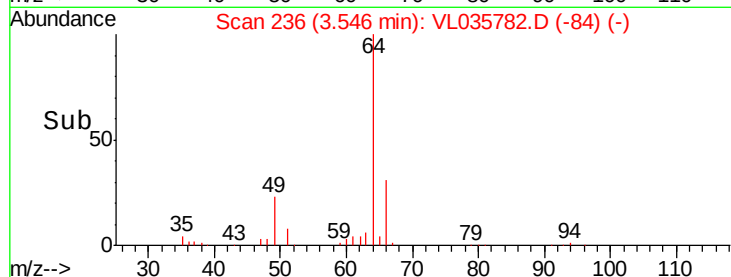
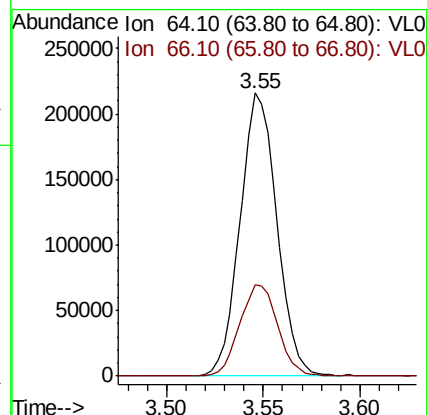
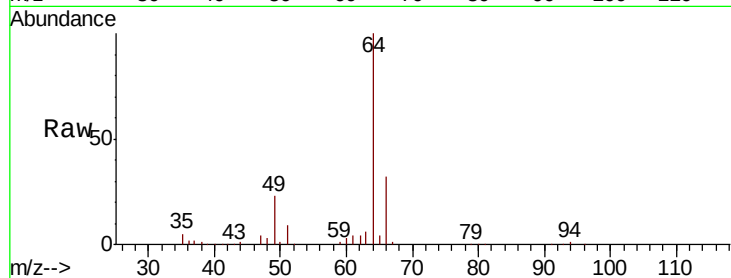
ClientSampleId :

Tot Ion: 64 Resp: 285566

Ion Ratio Lower Upper

64 100

66 32.1 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 9.475 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035782.D

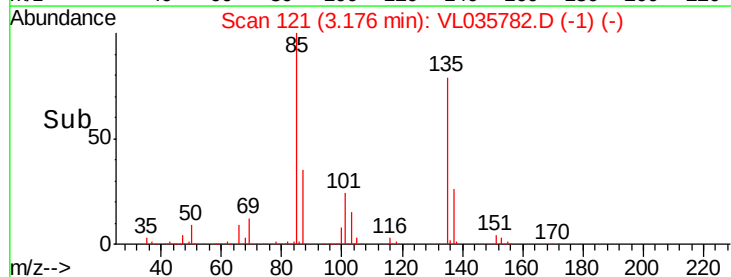
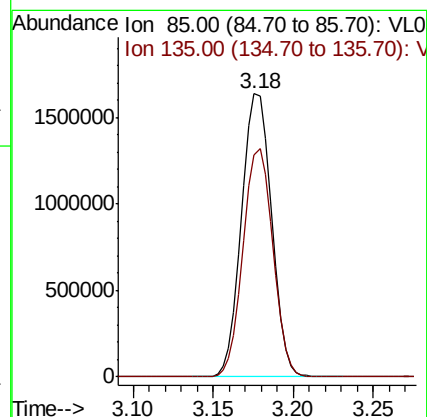
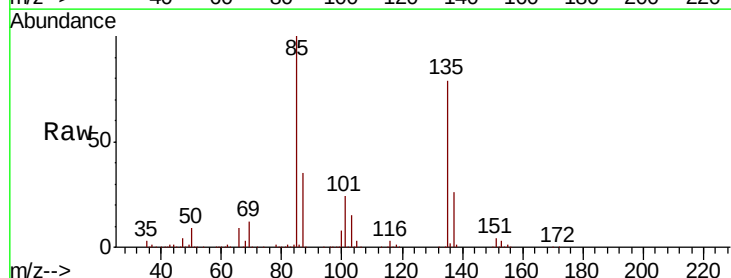
Acq: 16 Oct 2020 11:05

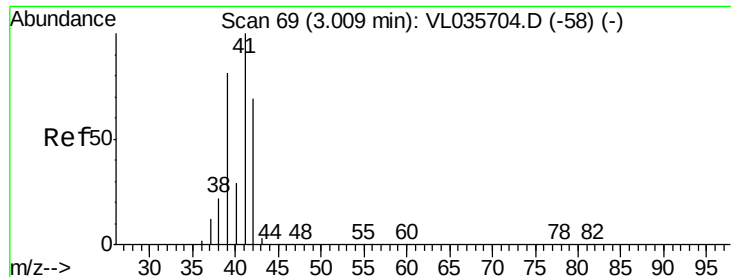
Tgt Ion: 85 Resp: 2088111

Ion Ratio Lower Upper

85 100

135 80.0 64.3 96.5





#9

Propene

Concen: 10.779 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

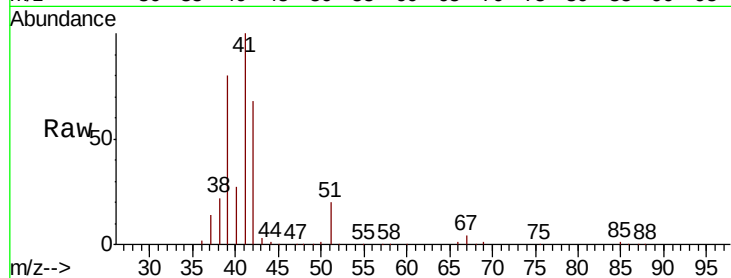
ClientSampleId :

Tot Ion: 41 Resp: 466246

Ion Ratio Lower Upper

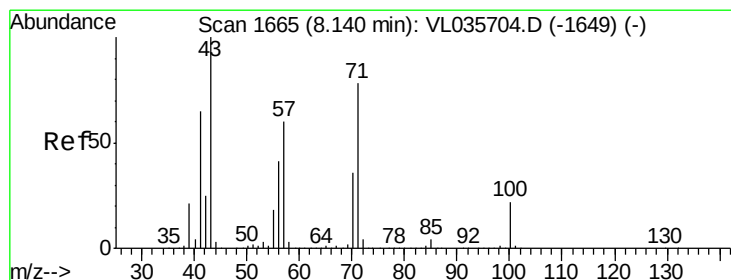
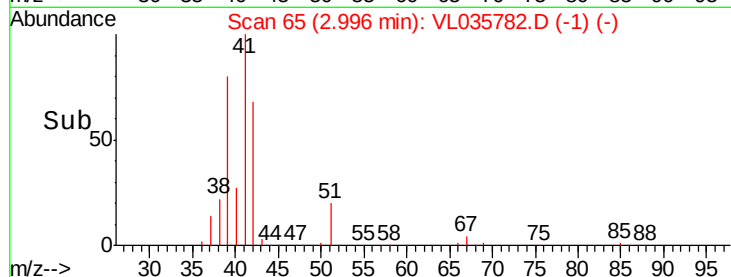
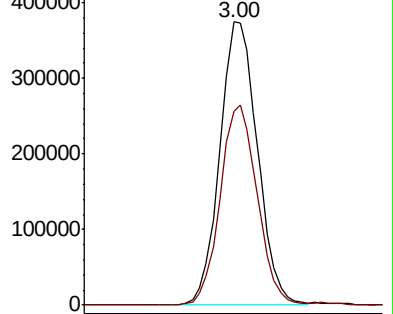
41 100

42 70.1 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.155 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL035782.D

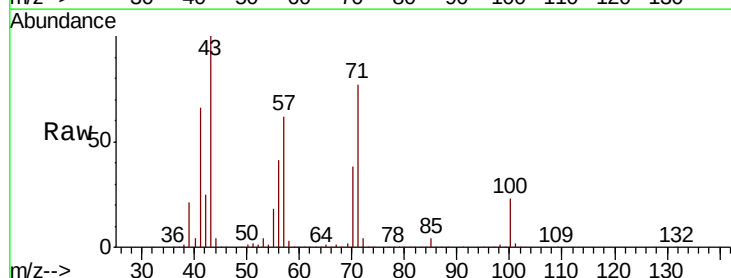
Acq: 16 Oct 2020 11:05

Tgt Ion: 43 Resp: 1345101

Ion Ratio Lower Upper

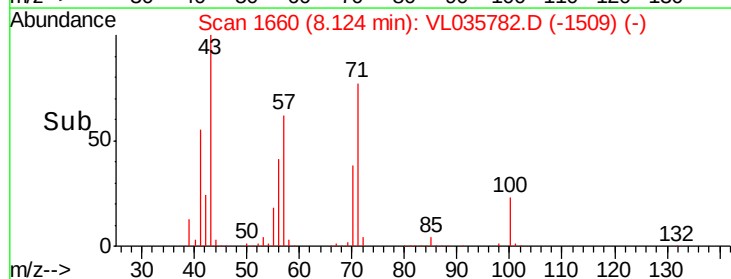
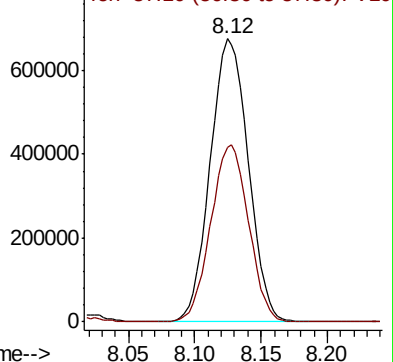
43 100

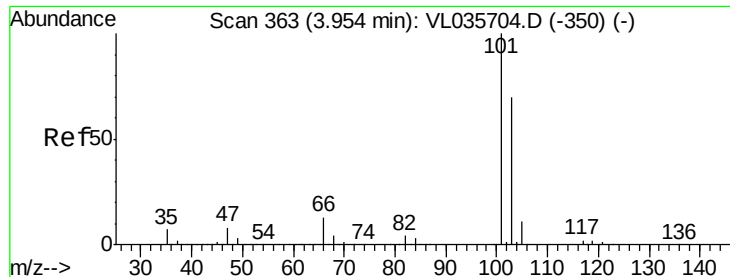
57 62.4 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

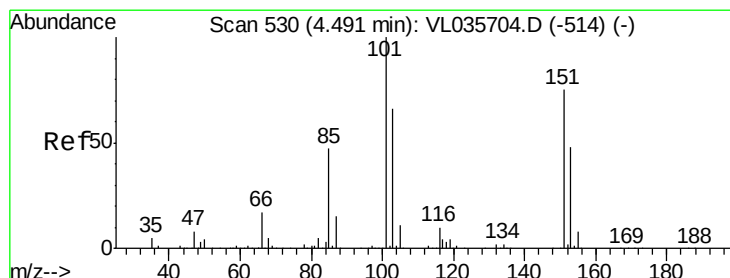
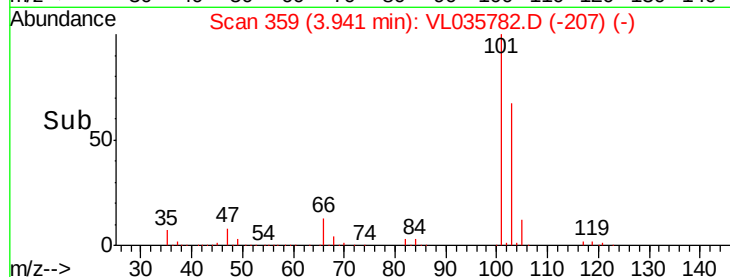
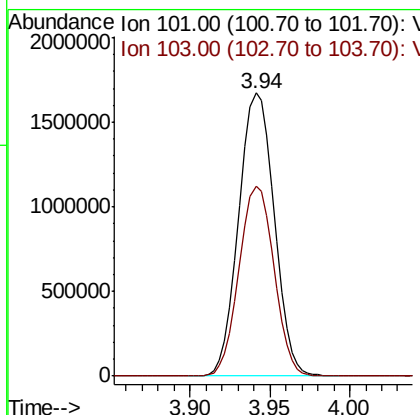
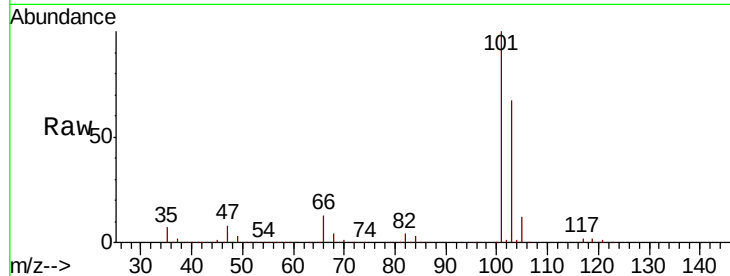




#11
 Trichlorofluoromethane
 Concen: 9.762 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

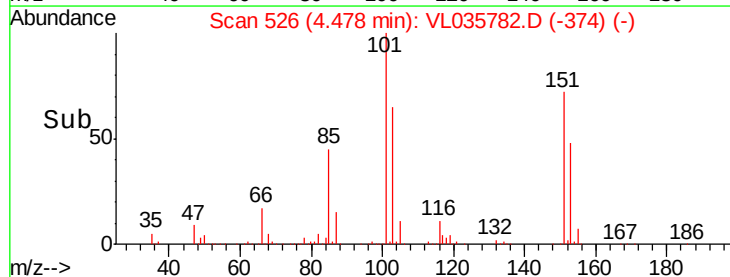
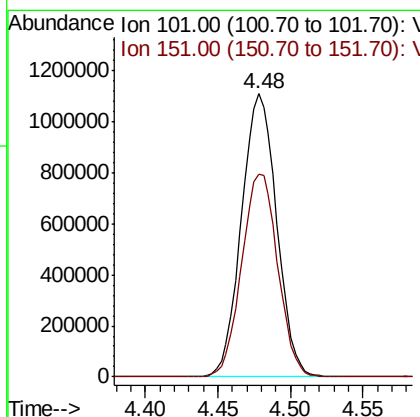
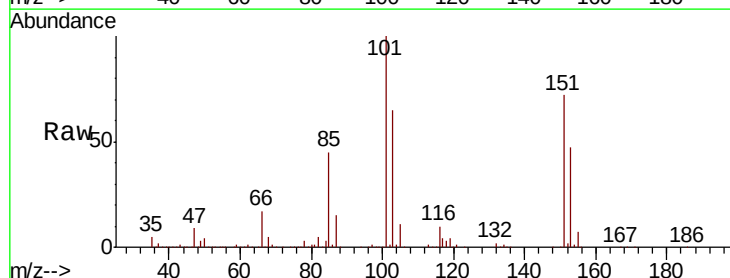
Instrument :
 MSVOA_L
 ClientSampleId :

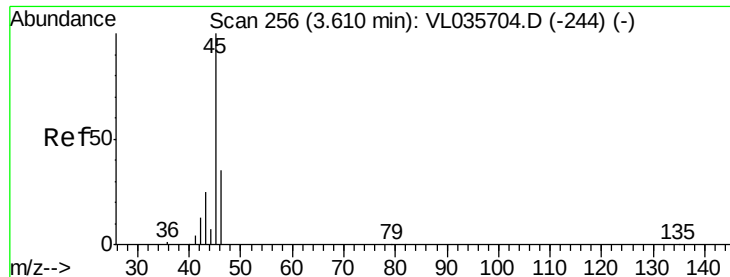
Tot Ion:101 Resp: 2530864
 Ion Ratio Lower Upper
 101 100
 103 67.3 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.698 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion:101 Resp: 1874230
 Ion Ratio Lower Upper
 101 100
 151 73.7 59.1 88.7





#13

Ethanol

Concen: 9.325 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

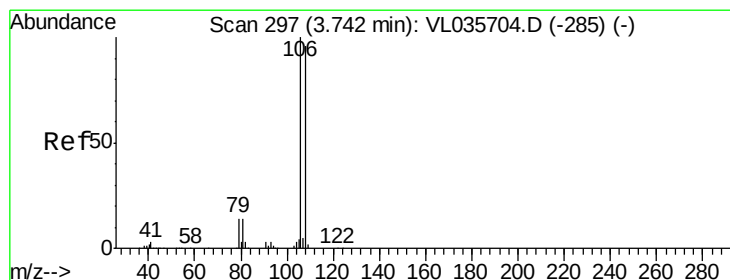
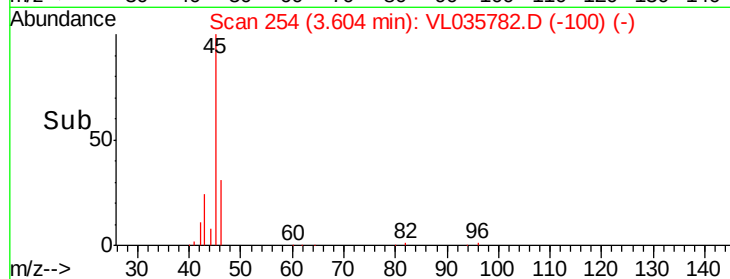
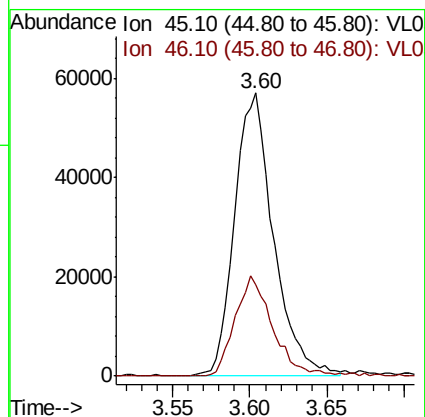
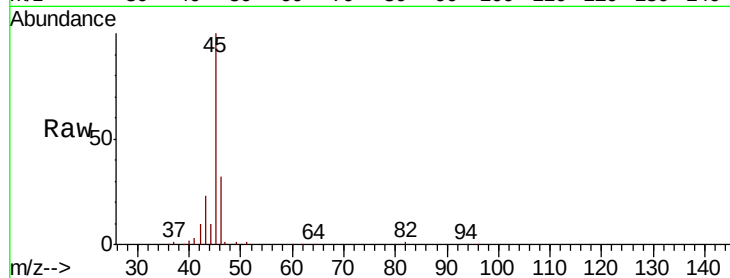
ClientSampleId :

Tot Ion: 45 Resp: 99471

Ion Ratio Lower Upper

45 100

46 34.5 14.7 58.7



#14

Bromoethene

Concen: 10.435 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

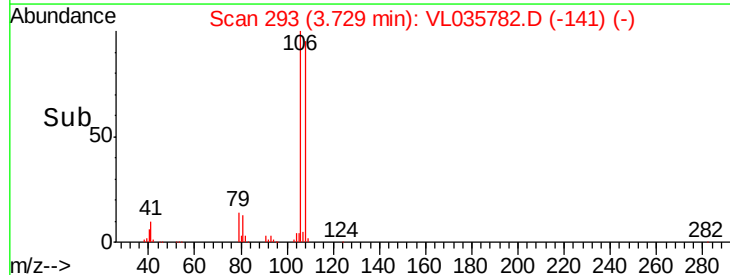
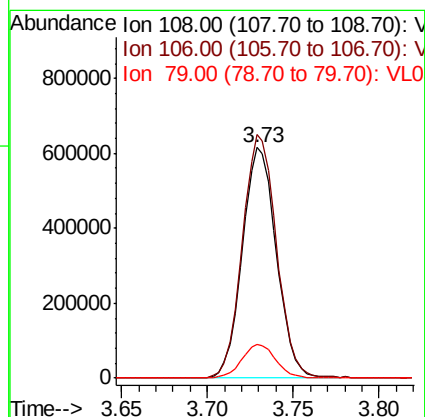
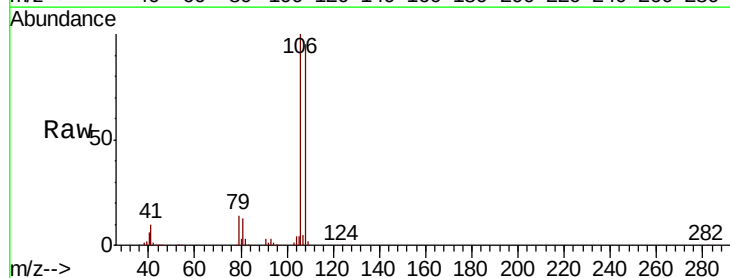
Tgt Ion: 108 Resp: 849435

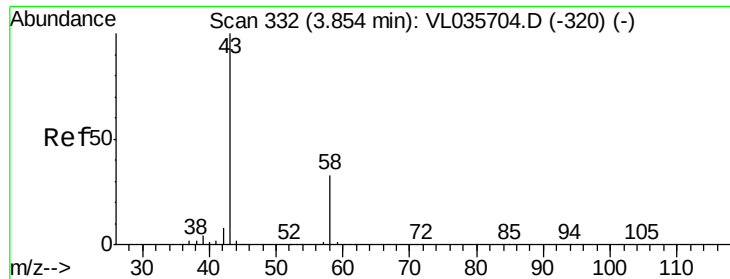
Ion Ratio Lower Upper

108 100

106 106.1 84.6 126.8

79 14.9 11.6 17.4





#15

Acetone

Concen: 8.877 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

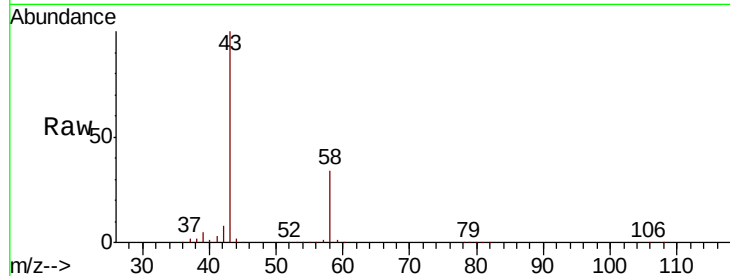
ClientSampleId :

Tot Ion: 43 Resp: 1057729

Ion Ratio Lower Upper

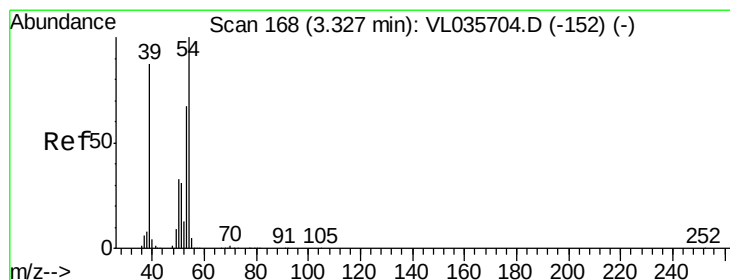
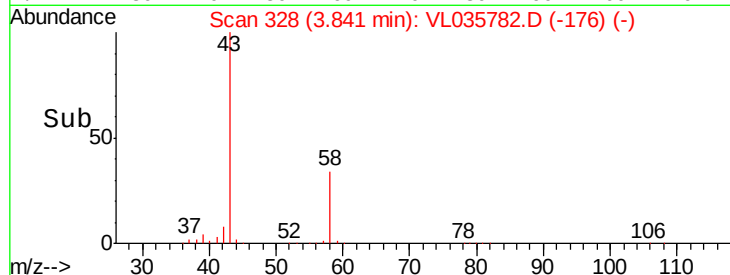
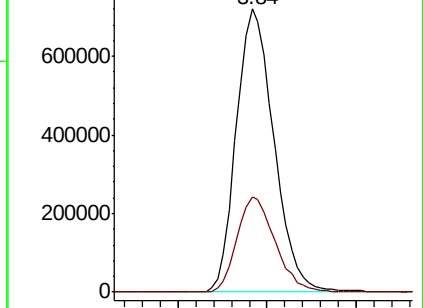
43 100

58 34.2 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 11.036 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL035782.D

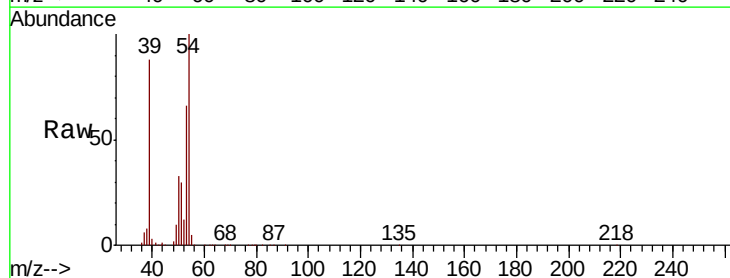
Acq: 16 Oct 2020 11:05

Tgt Ion: 39 Resp: 481058

Ion Ratio Lower Upper

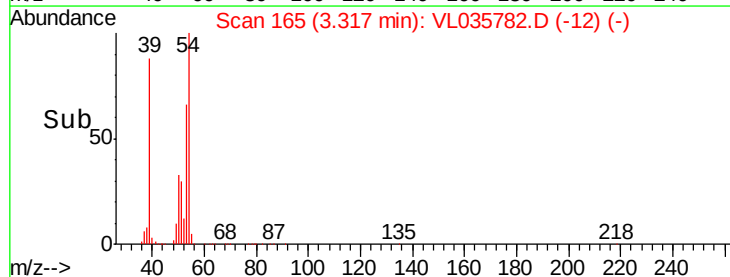
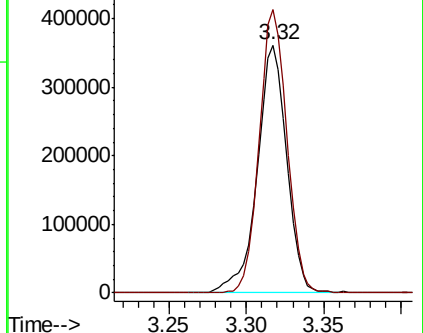
39 100

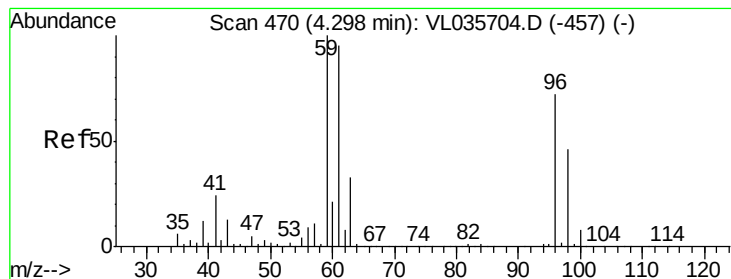
54 108.1 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.218 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

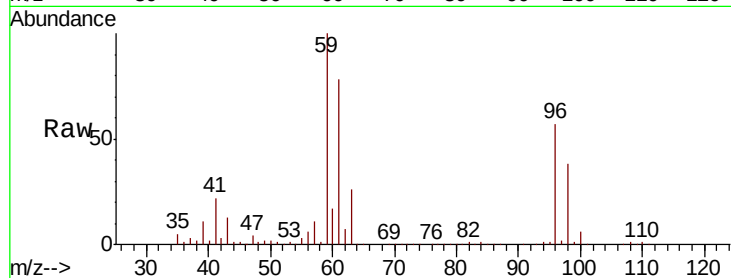
ClientSampleId :

Tot Ion: 59 Resp: 1456015

Ion Ratio Lower Upper

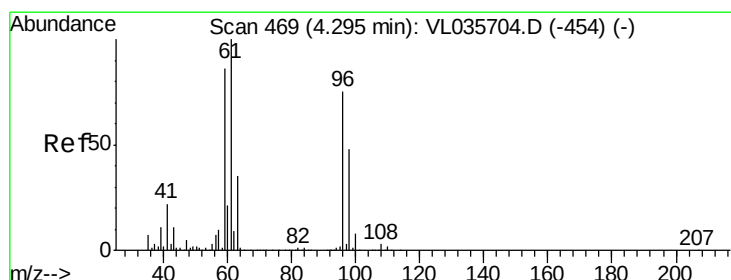
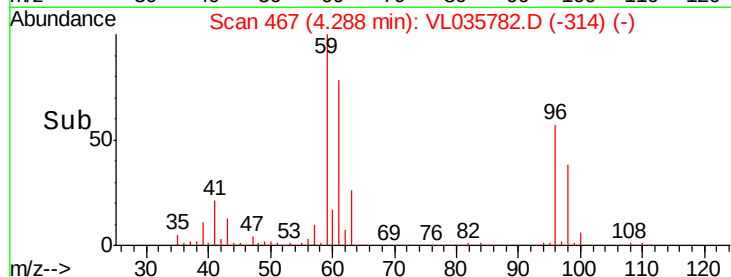
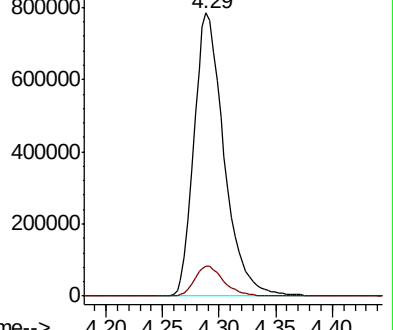
59 100

57 10.5 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.388 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

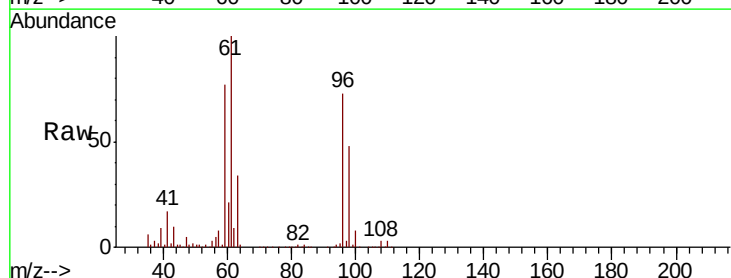
Tgt Ion: 96 Resp: 878955

Ion Ratio Lower Upper

96 100

61 137.7 106.7 160.1

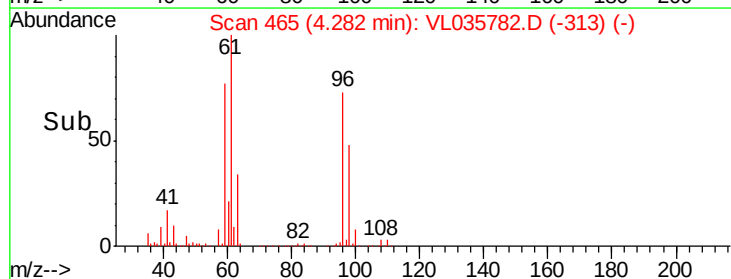
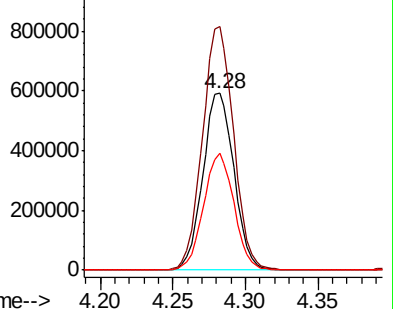
98 66.0 50.8 76.2

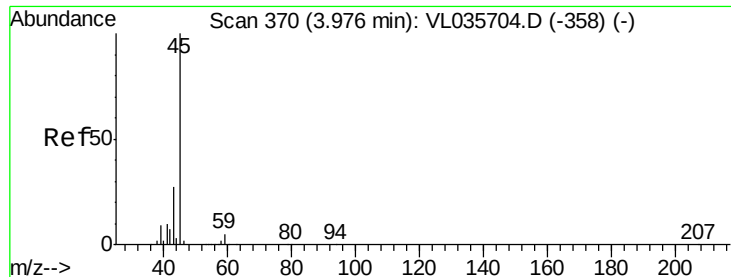


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



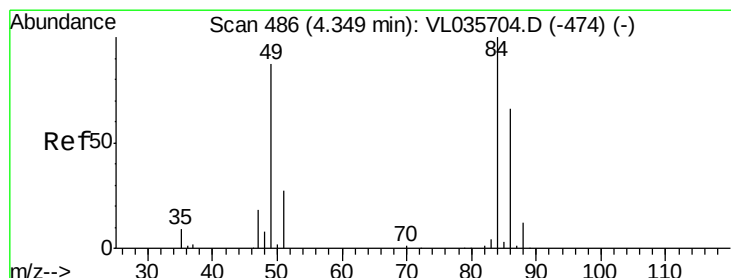
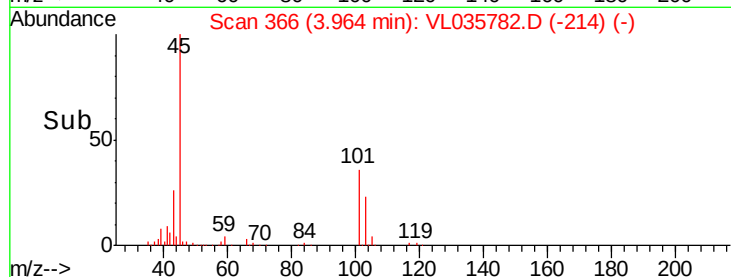
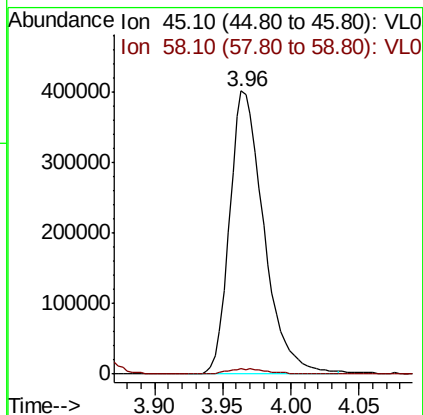
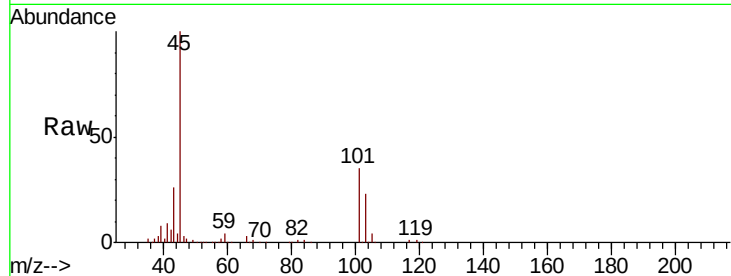


#19

Isopropyl Alcohol
 Concen: 10.810 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Instrument :
 MSVOA_L
 ClientSampleId :

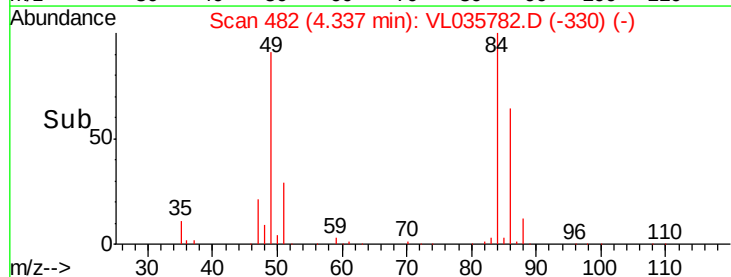
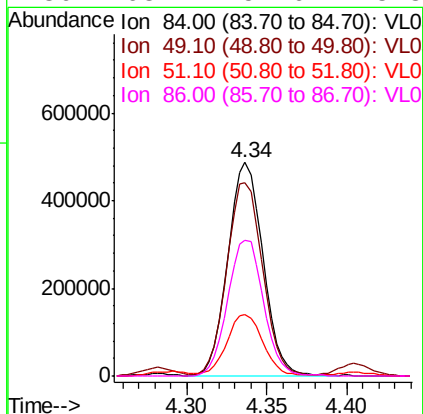
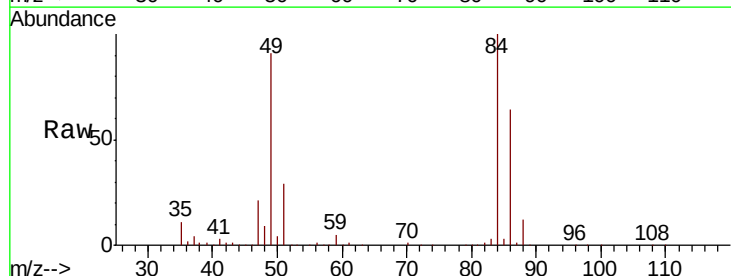
Tot Ion: 45 Resp: 700643
 Ion Ratio Lower Upper
 45 100
 58 2.5 2.8 4.2#

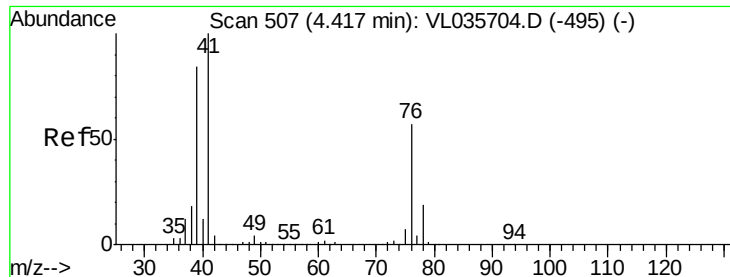


#20

Methylene Chloride
 Concen: 8.262 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion: 84 Resp: 723113
 Ion Ratio Lower Upper
 84 100
 49 90.3 69.8 104.6
 51 27.6 21.8 32.8
 86 63.7 52.6 78.8





#21

Allvl Chloride

Concen: 10.945 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

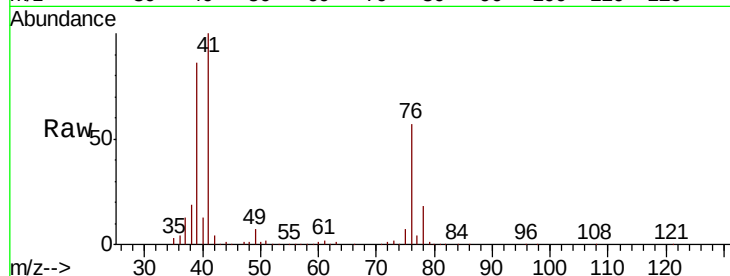
Tot Ion: 41 Resp: 632143

Ion Ratio Lower Upper

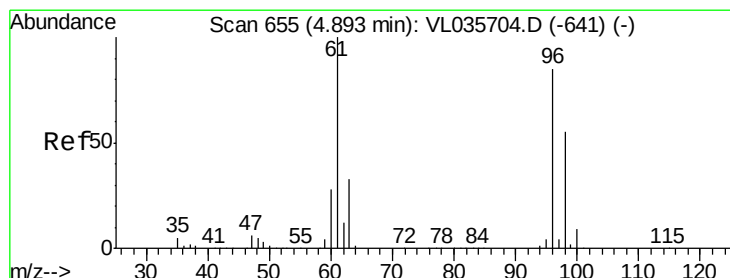
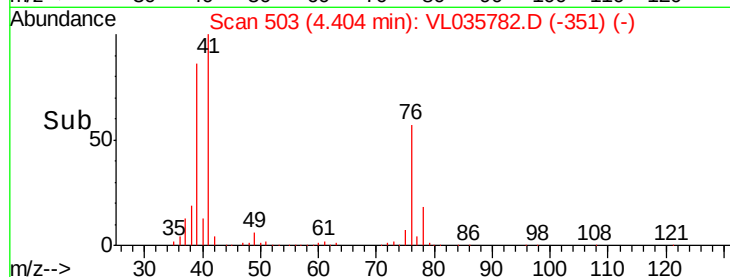
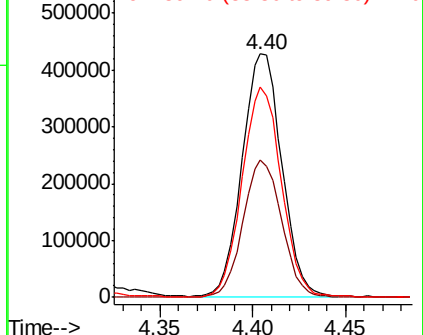
41 100

76 55.5 44.8 67.2

39 86.3 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: 10.186 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

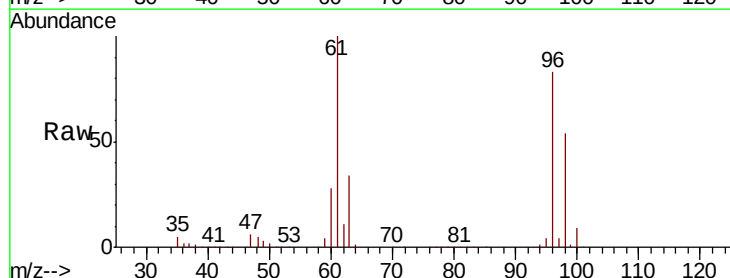
Tgt Ion: 96 Resp: 910559

Ion Ratio Lower Upper

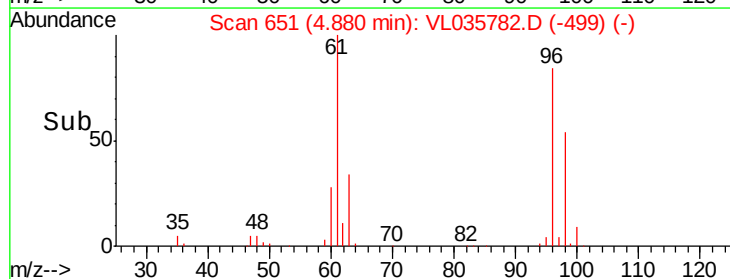
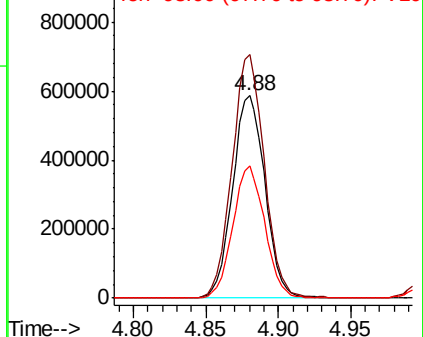
96 100

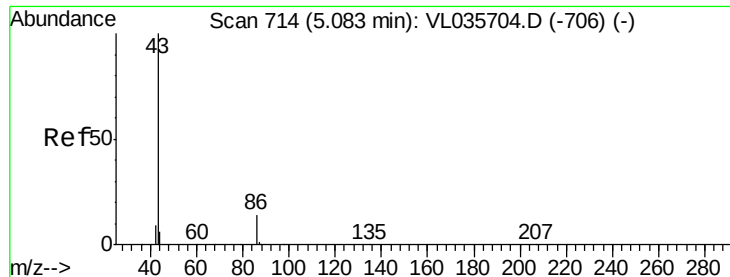
61 120.3 93.7 140.5

98 65.2 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: 11.554 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

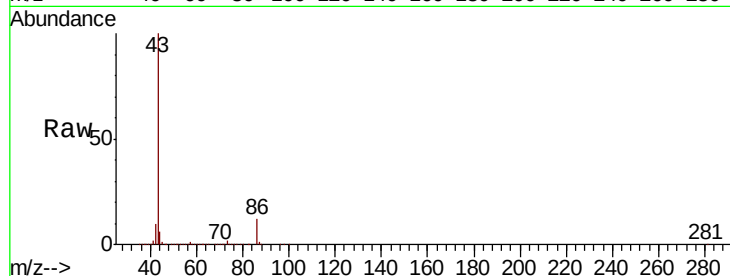
Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

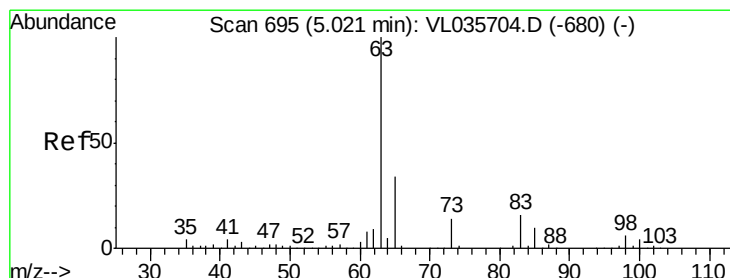
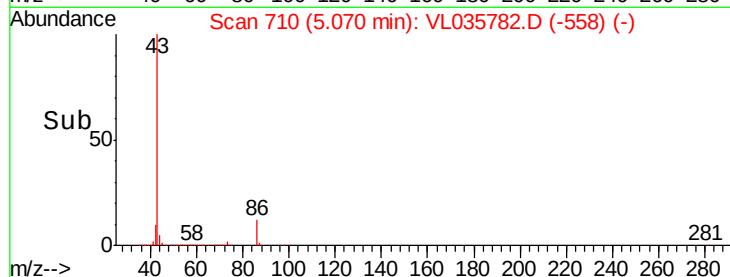
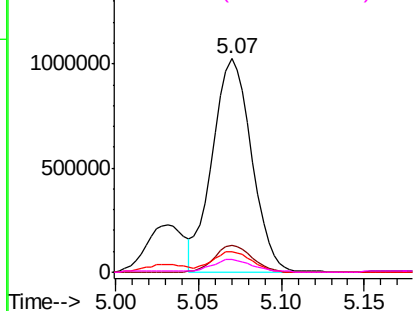
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1686232

Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.7	14.5
42	9.8	7.9	11.9
44	5.6	4.8	7.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.144 ppbv

RT: 5.01 min Scan# 690

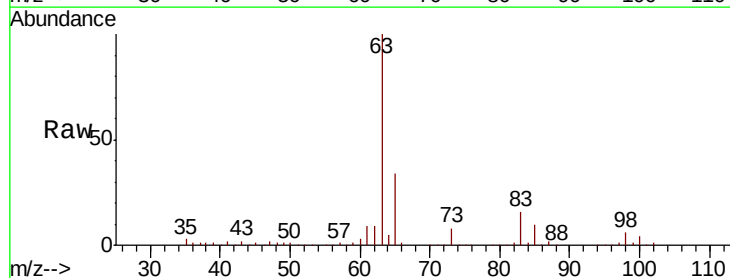
Delta R.T. -0.02 min

Lab File: VL035782.D

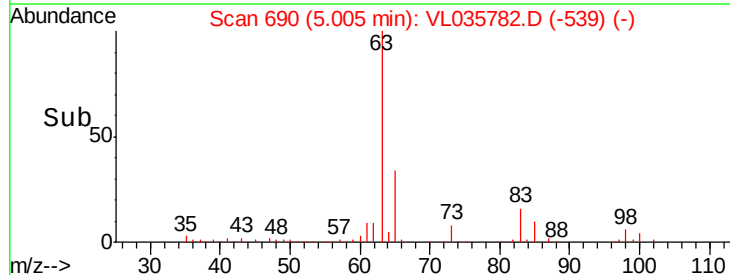
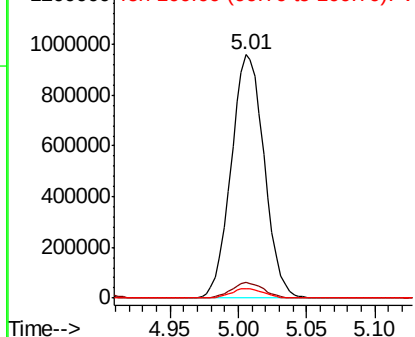
Acq: 16 Oct 2020 11:05

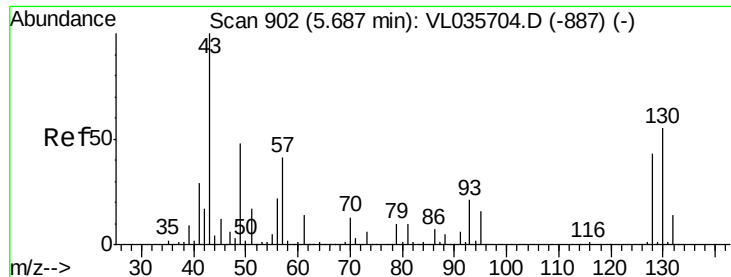
Tgt Ion: 63 Resp: 1612511

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.8
100	3.7	2.0	5.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



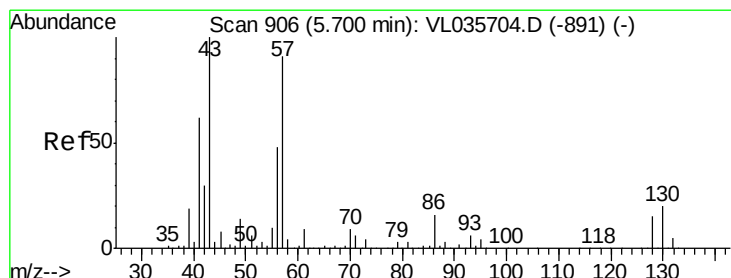
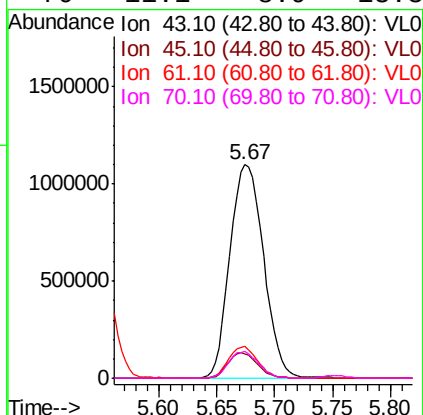
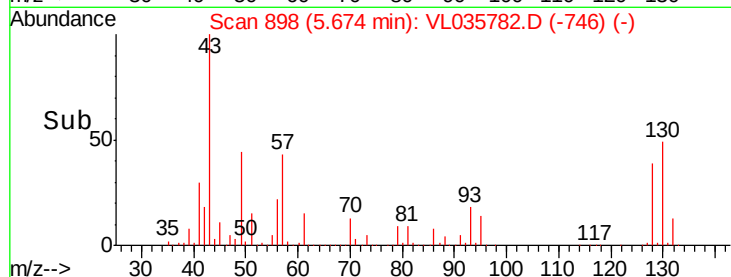
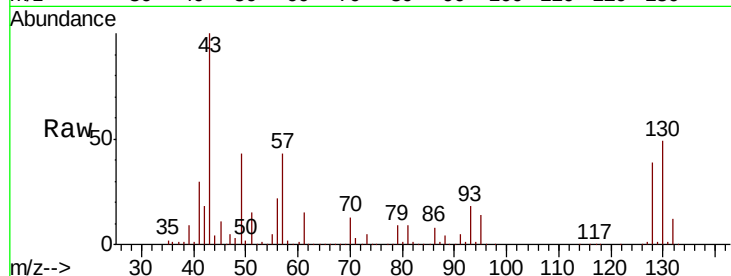


#25
Ethyl Acetate
Concen: 10.326 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2213904

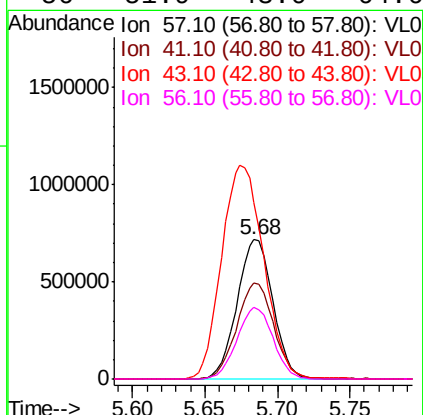
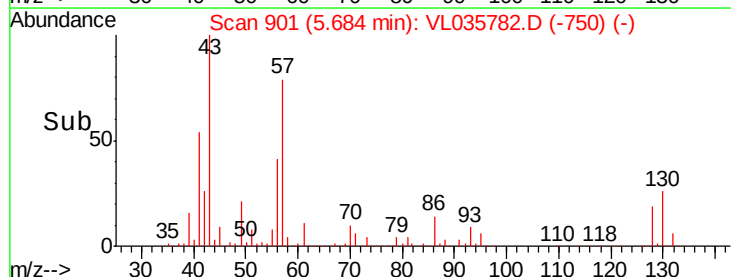
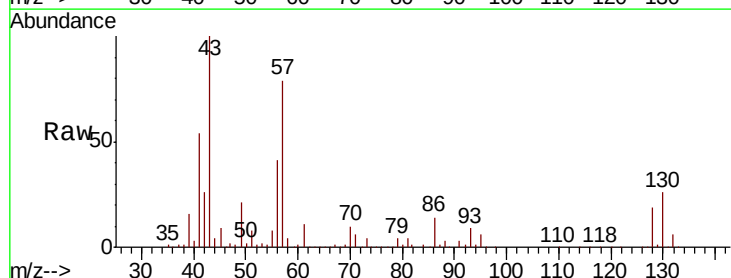
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	12.8
61	12.9	10.4	15.6
70	11.1	8.9	13.3

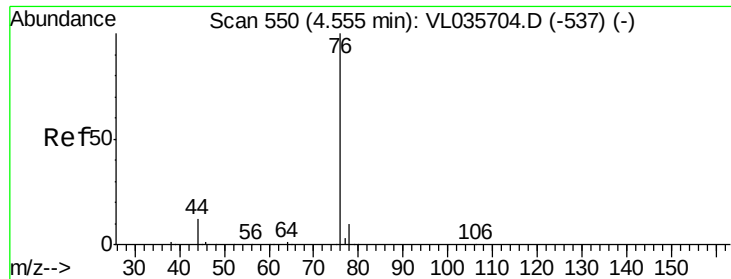


#26
Hexane
Concen: 10.451 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion: 57 Resp: 1227870

Ion	Ratio	Lower	Upper
57	100		
41	72.3	57.9	86.9
43	180.9	143.8	215.6
56	51.9	43.0	64.6





#27

Carbon Disulfide

Concen: 11.200 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

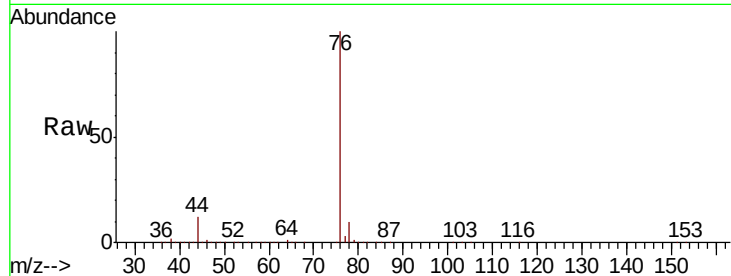
Tot Ion: 76 Resp: 1961327

Ion	Ratio	Lower	Upper
76	100		
44	11.9	9.7	14.5
78	9.6	7.8	11.8

76 100

44 11.9 9.7 14.5

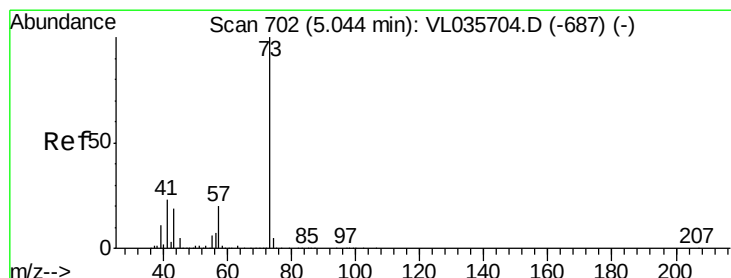
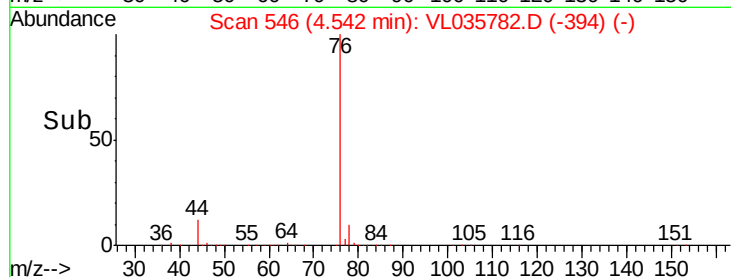
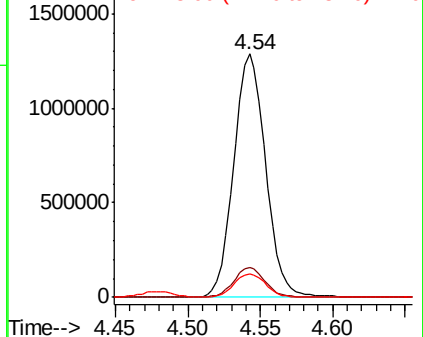
78 9.6 7.8 11.8



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: 11.783 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL035782.D

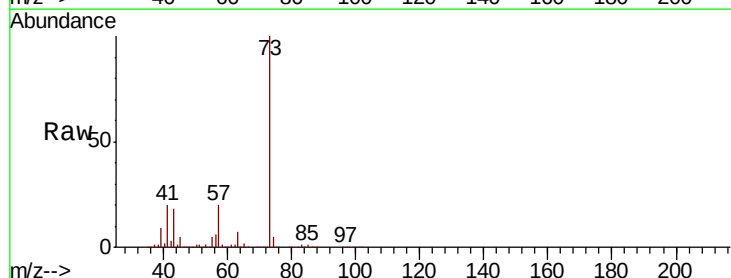
Acq: 16 Oct 2020 11:05

Tgt Ion: 73 Resp: 2194506

Ion	Ratio	Lower	Upper
73	100		
57	19.8	15.6	23.4

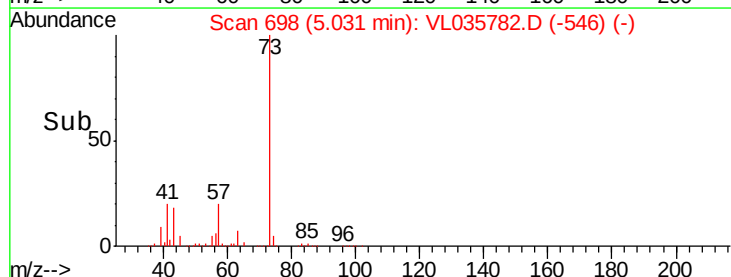
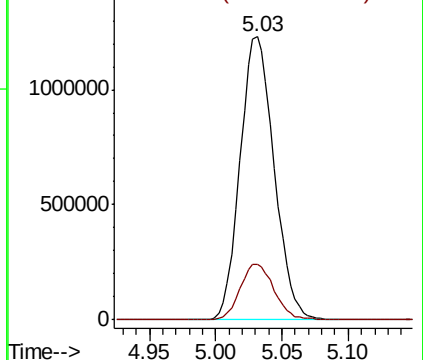
73 100

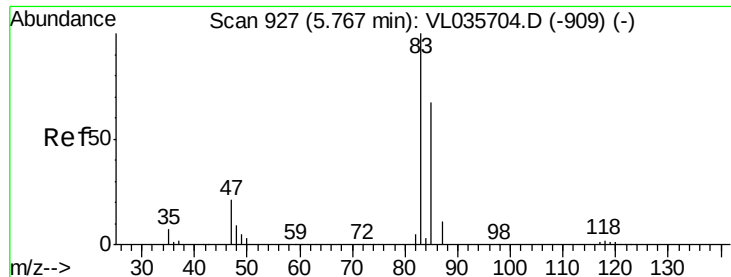
57 19.8 15.6 23.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

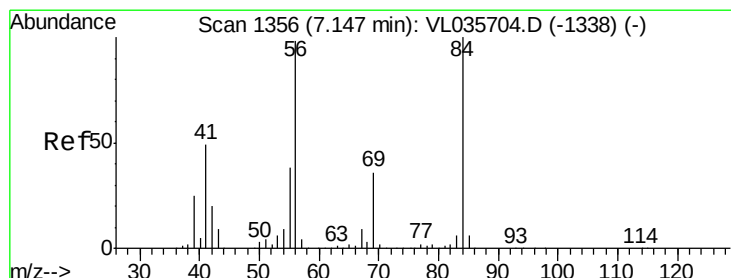
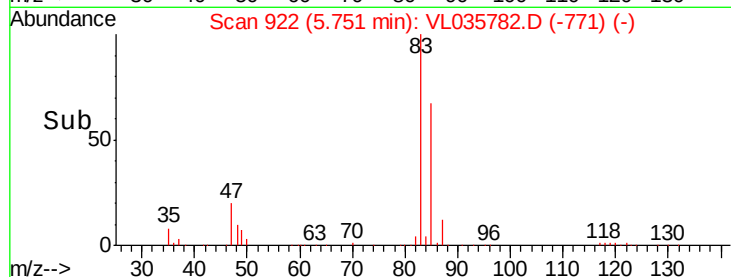
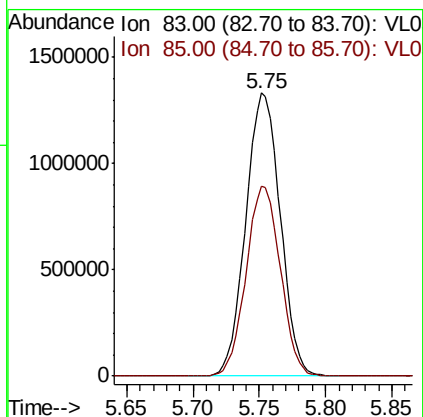
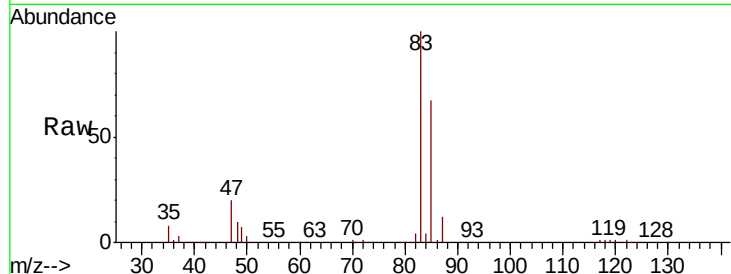




#29
Chloroform
Concen: 10.149 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

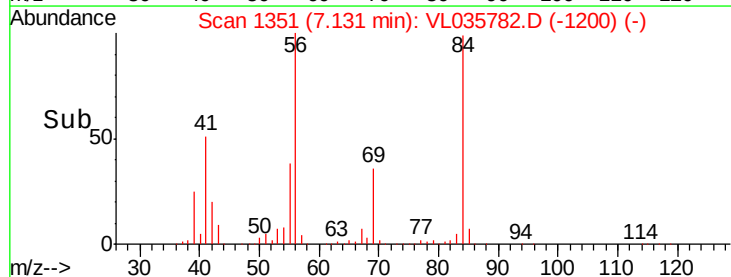
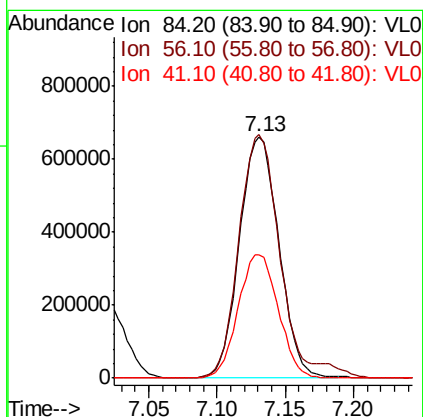
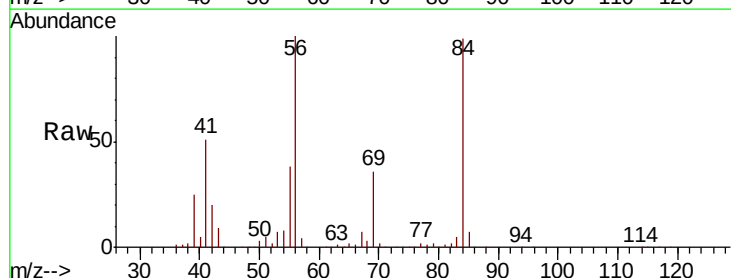
Instrument :
MSVOA_L
ClientSampled :

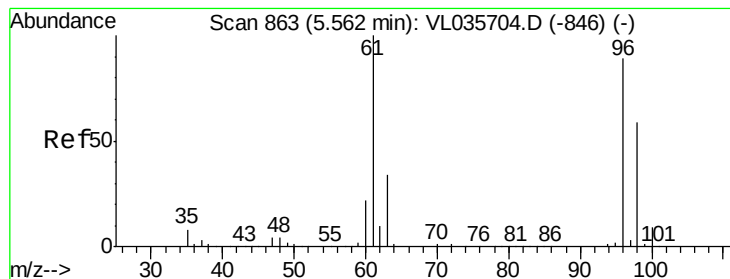
Tot Ion: 83 Resp: 2421491
Ion Ratio Lower Upper
83 100
85 66.9 54.0 81.0



#30
Cyclohexane
Concen: 11.472 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion: 84 Resp: 1329792
Ion Ratio Lower Upper
84 100
56 106.3 84.6 127.0
41 52.1 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 11.551 ppbv

RT: 5.55 min Scan# 858

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

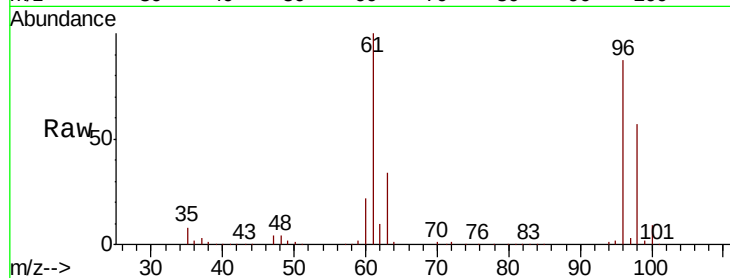
Tot Ion: 61 Resp: 1310010

Ion Ratio Lower Upper

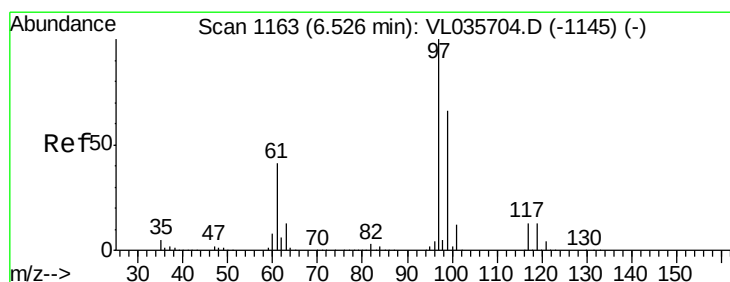
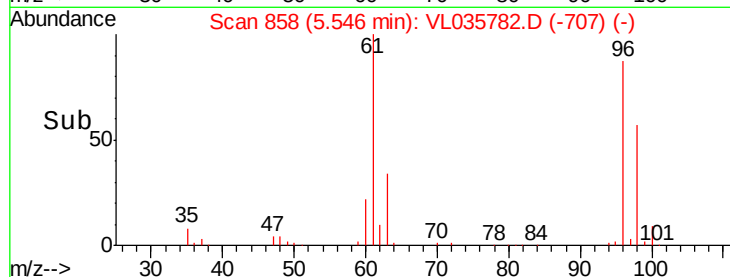
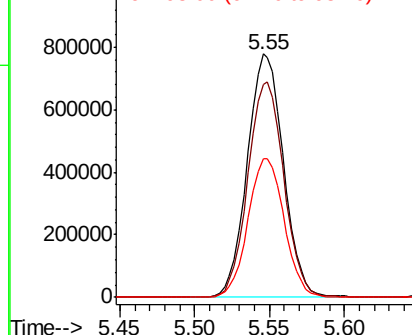
61 100

96 87.3 71.4 107.2

98 57.1 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: 11.350 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

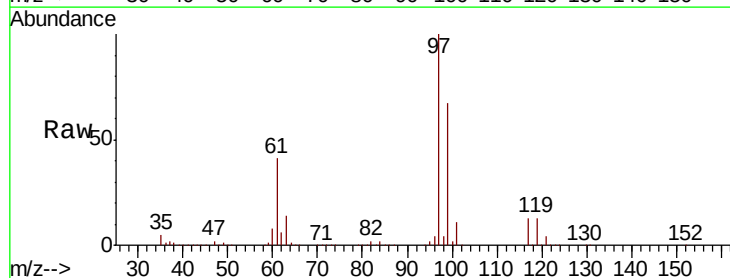
Tgt Ion: 97 Resp: 2387066

Ion Ratio Lower Upper

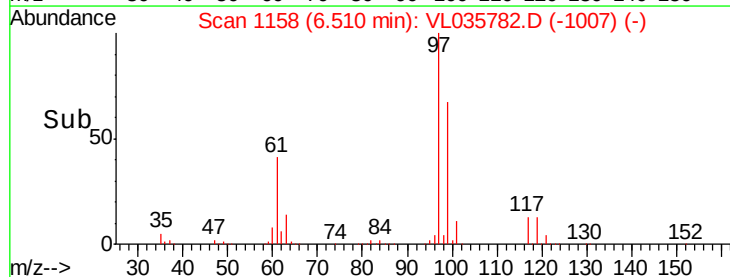
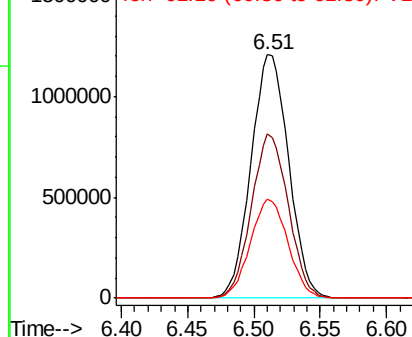
97 100

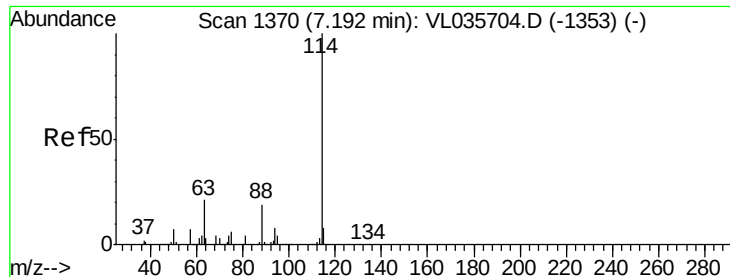
99 66.2 52.7 79.1

61 40.6 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

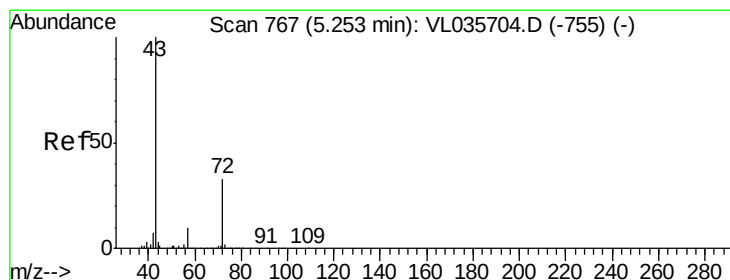
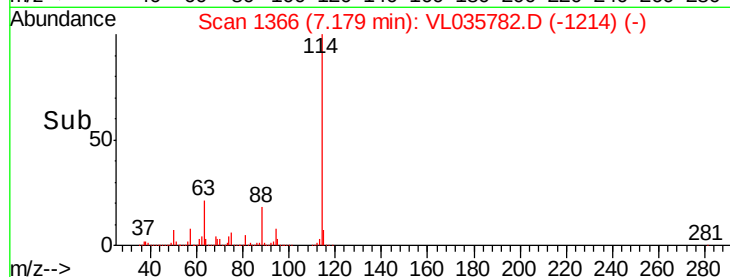
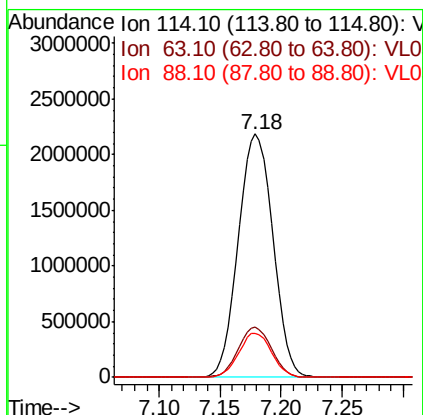
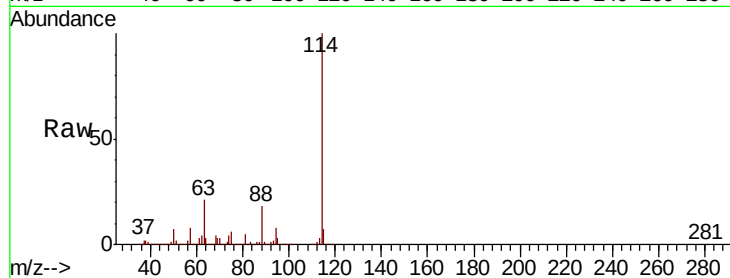




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

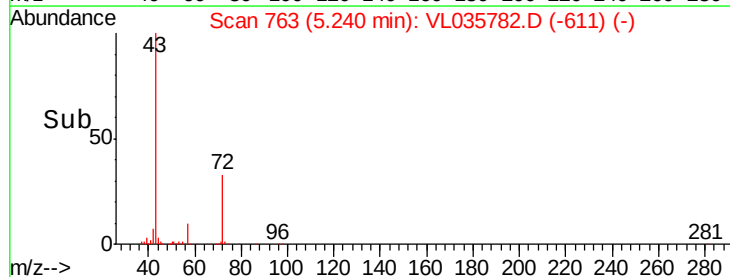
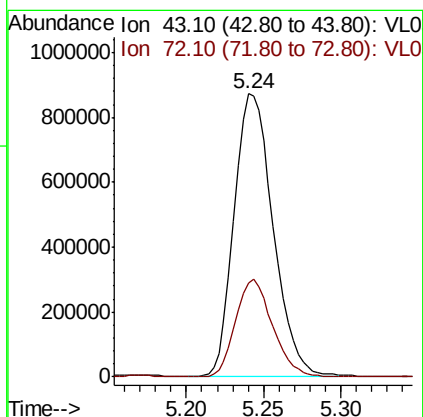
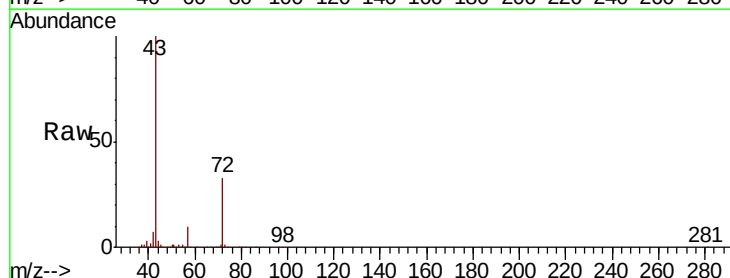
Instrument :
 MSVOA_L
 ClientSampleId :

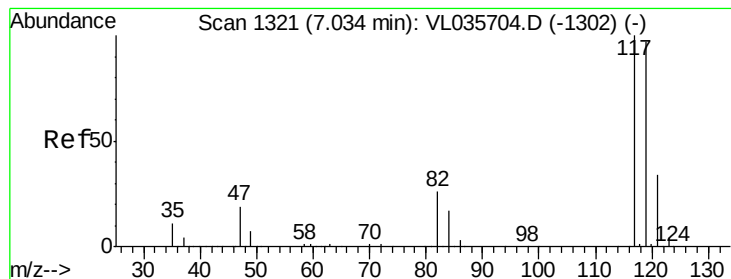
Tot Ion:114 Resp: 4292246
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.1 24.1
 88 17.3 14.1 21.1



#34
 2-Butanone
 Concen: 10.762 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion: 43 Resp: 1527892
 Ion Ratio Lower Upper
 43 100
 72 33.0 26.1 39.1





#35

Carbon Tetrachloride

Concen: 10.823 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

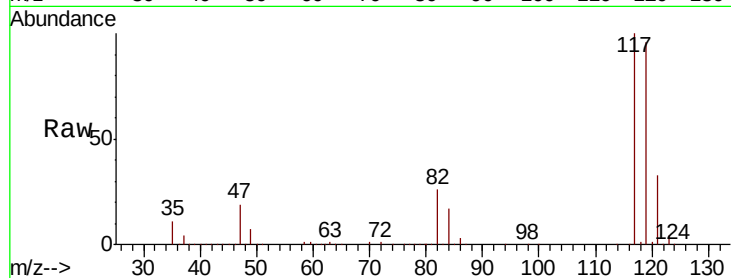
Tot Ion:117 Resp: 2422150

Ion Ratio Lower Upper

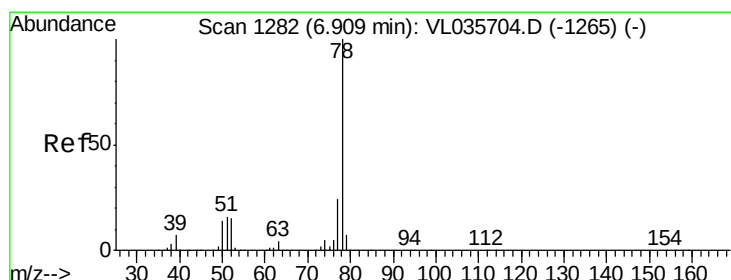
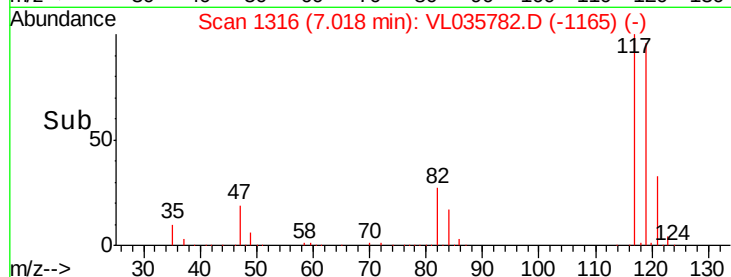
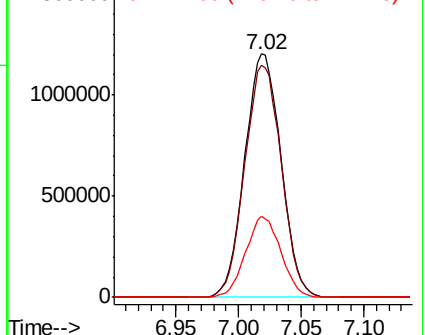
117 100

119 95.5 77.7 116.5

121 33.1 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: 11.003 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

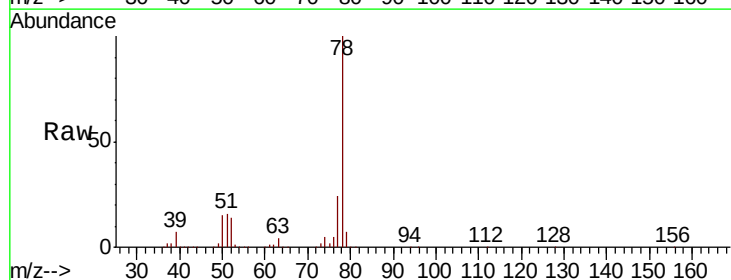
Tgt Ion: 78 Resp: 3077360

Ion Ratio Lower Upper

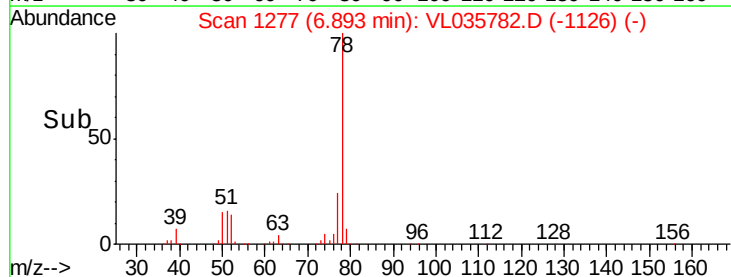
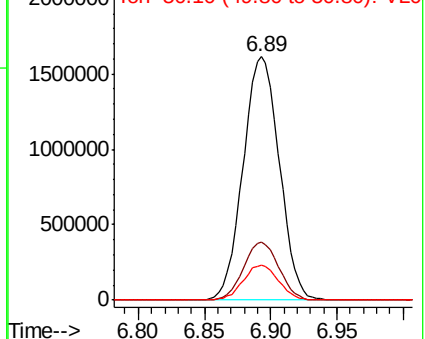
78 100

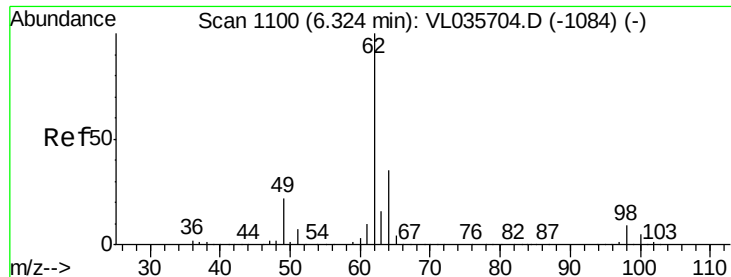
77 23.9 19.3 28.9

50 14.5 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

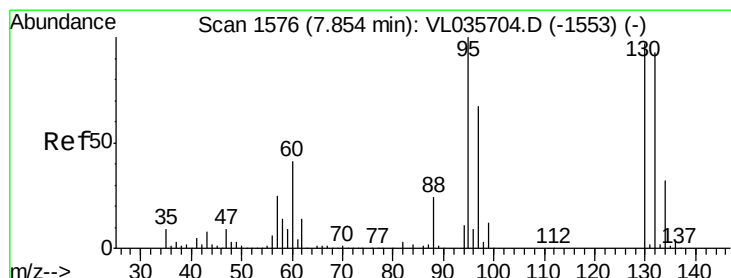
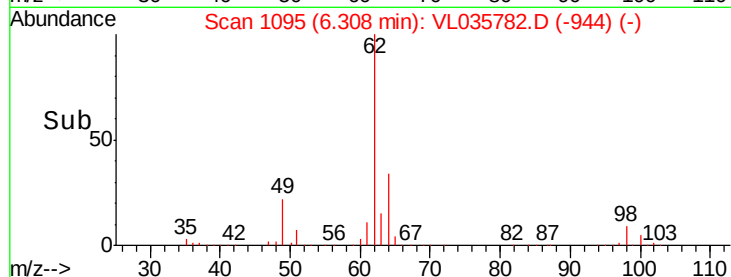
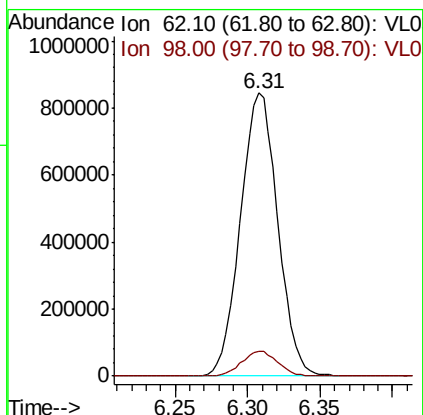
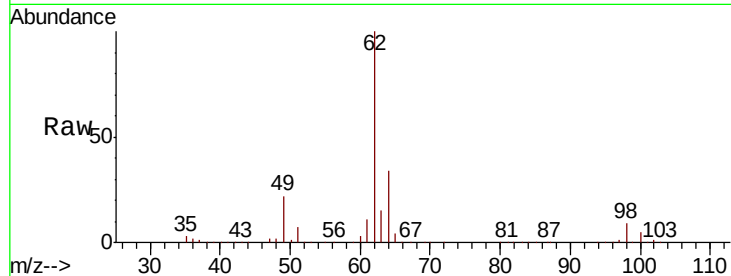




#37
 1,2-Dichloroethane
 Concen: 10.379 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

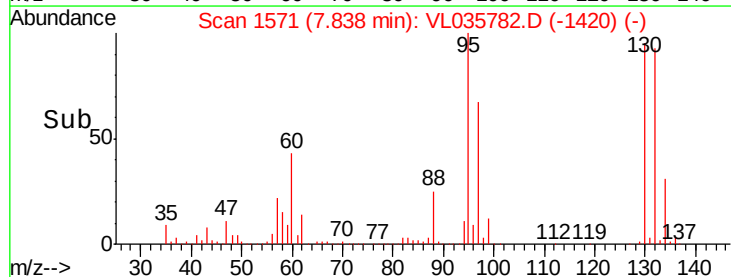
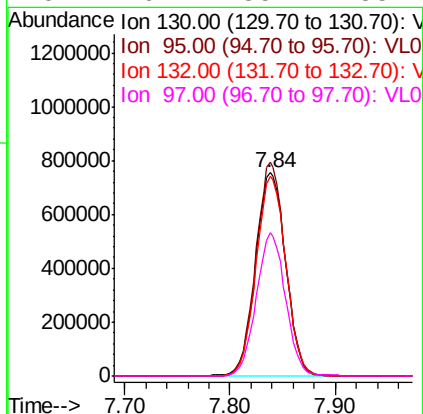
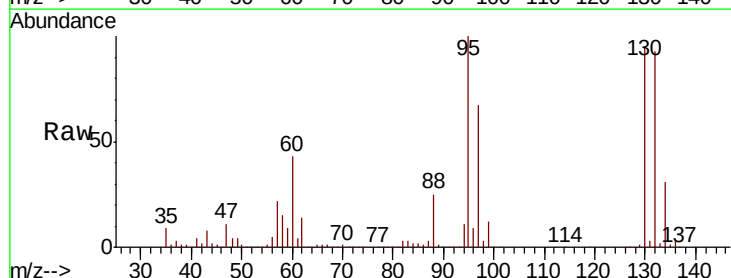
Instrument :
 MSVOA_L
 ClientSampleId :

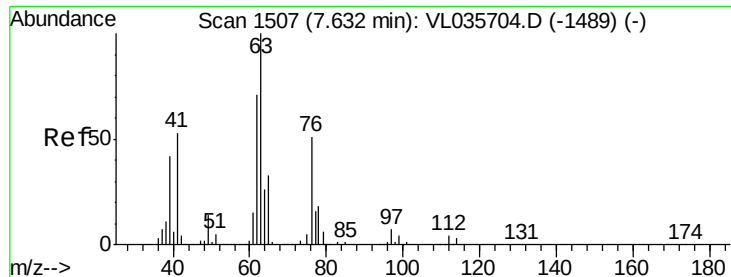
Tot Ion: 62 Resp: 1512893
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3



#38
 Trichloroethene
 Concen: 10.775 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion: 130 Resp: 1503359
 Ion Ratio Lower Upper
 130 100
 95 105.0 82.4 123.6
 132 98.2 76.8 115.2
 97 70.4 55.4 83.2



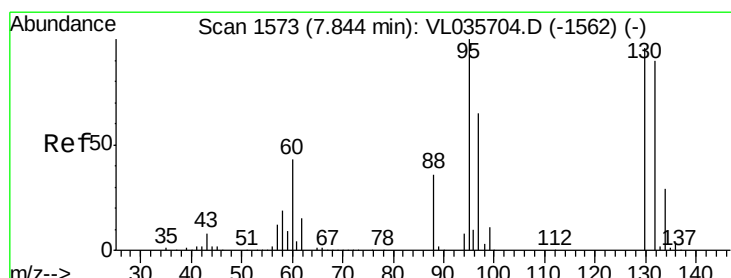
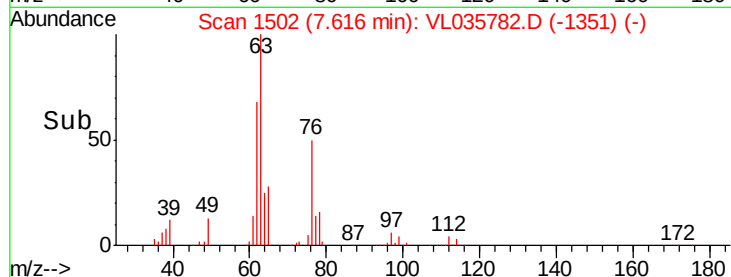
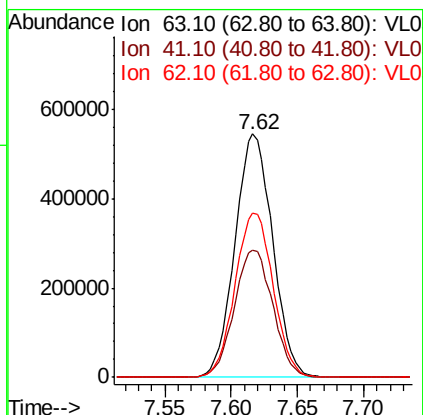
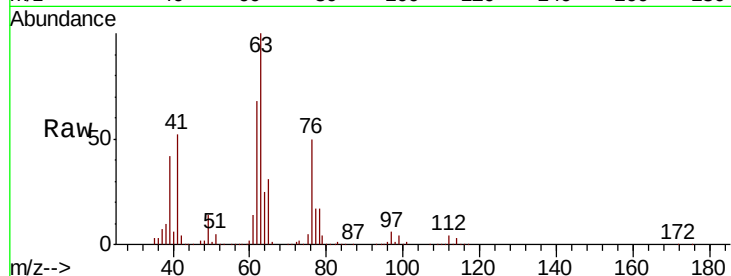


#39
 1,2-Dichloropropane
 Concen: 10.594 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1073954

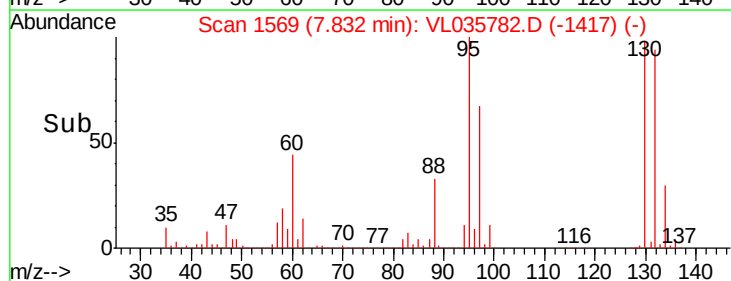
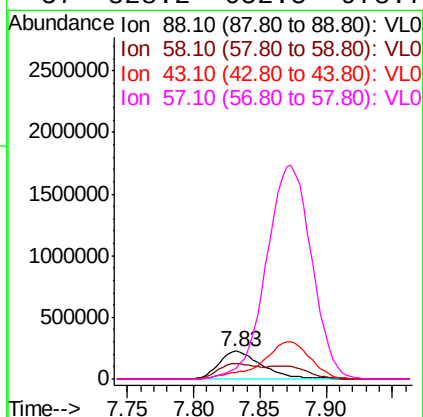
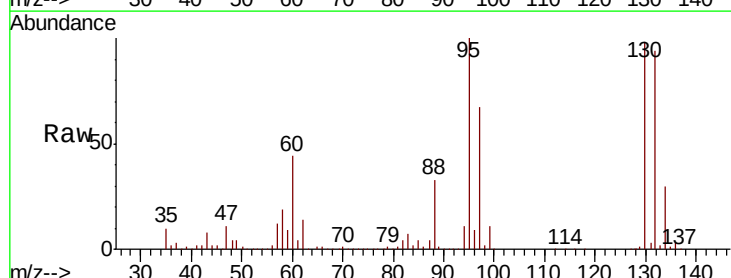
Ion	Ratio	Lower	Upper
63	100		
41	52.1	42.6	63.8
62	67.6	56.5	84.7

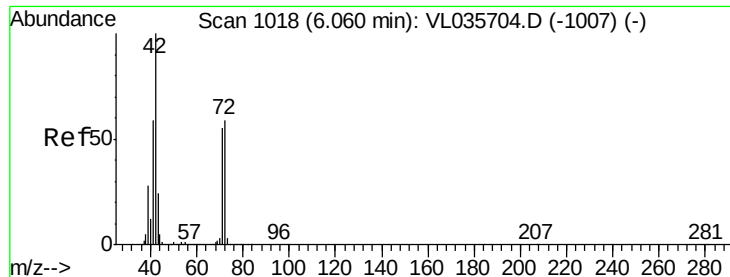


#40
 1,4-Dioxane
 Concen: 10.814 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion: 88 Resp: 501352

Ion	Ratio	Lower	Upper
88	100		
58	97.8	76.2	114.4
43	155.6	123.4	185.2
57	828.2	652.5	978.7

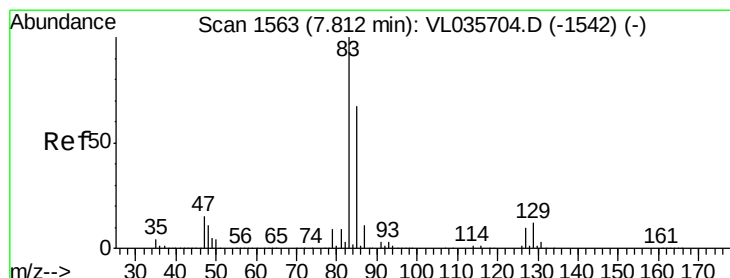
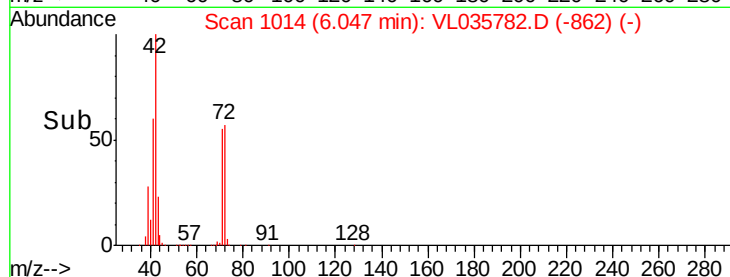
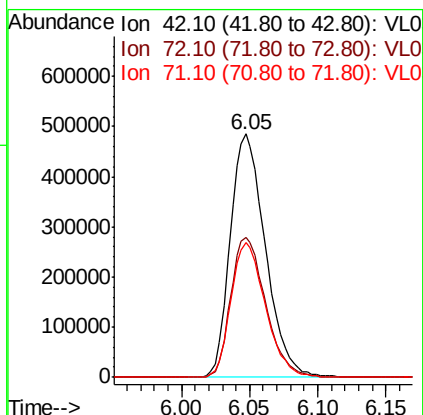
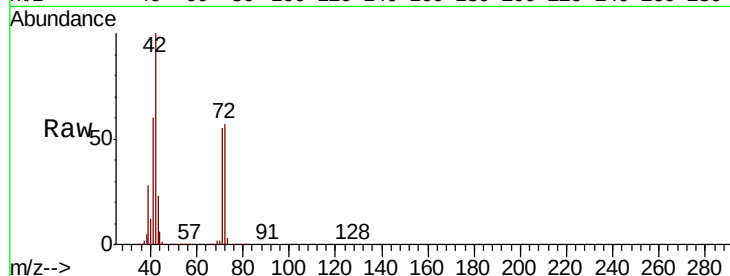




#41
Tetrahydrofuran
Concen: 12.119 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

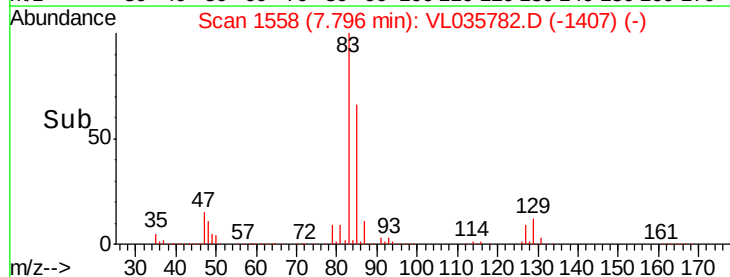
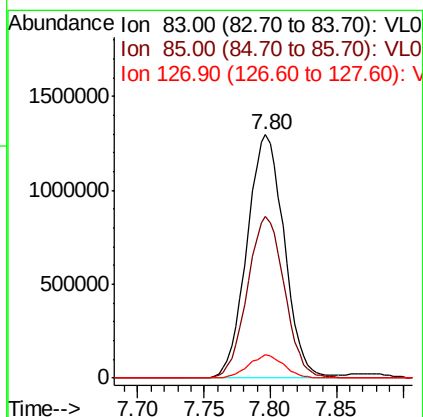
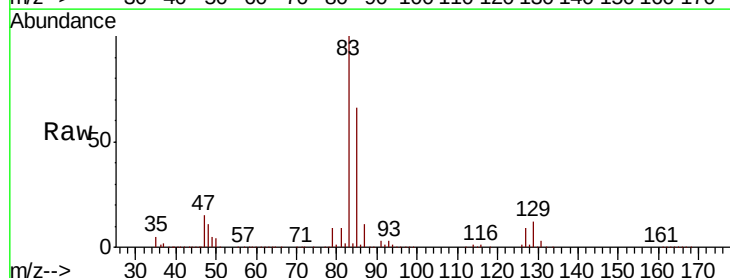
Instrument :
MSVOA_L
ClientSampleId :

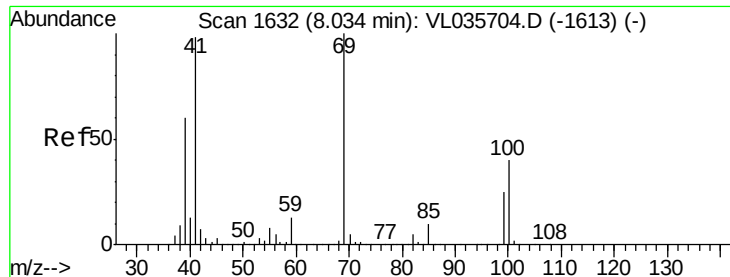
Tot Ion	Ratio	Lower	Upper
42	100		
72	57.5	46.2	69.4
71	54.7	44.2	66.4



#42
Bromodichloromethane
Concen: 10.827 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.4	80.0
127	9.4	7.8	11.6

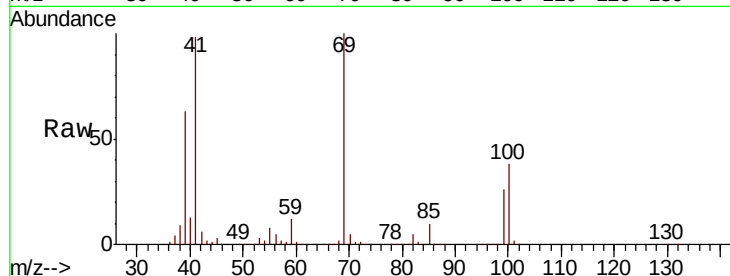




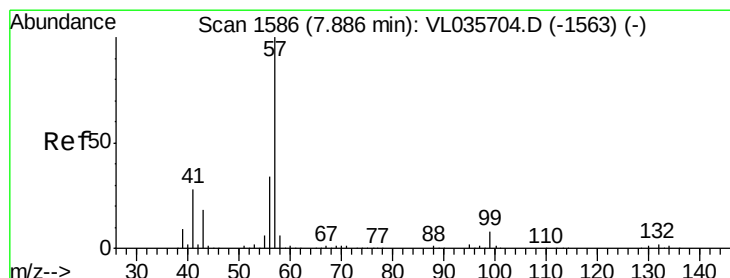
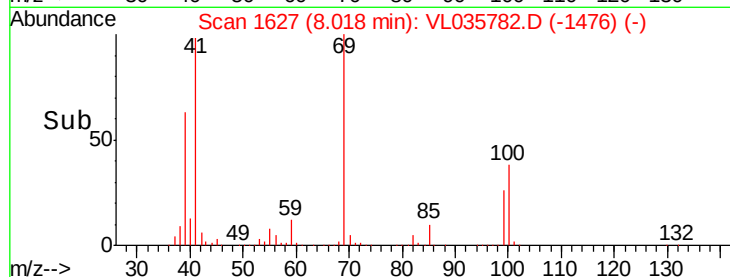
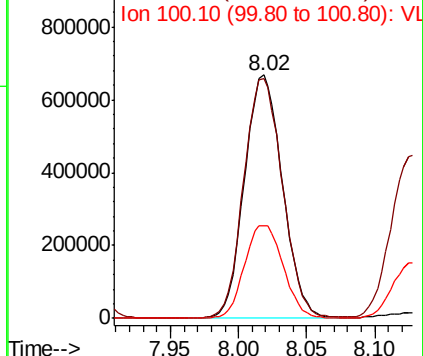
#43
Methvl Methacrylate
Concen: 11.646 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1295379
Ion Ratio Lower Upper
69 100
41 100.3 79.8 119.6
100 39.1 30.6 46.0

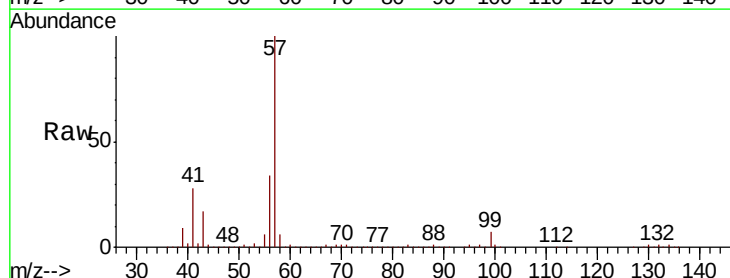


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

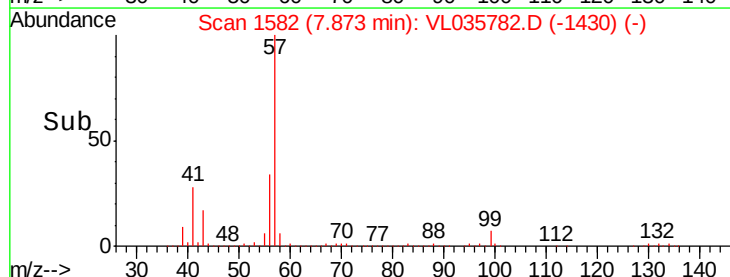
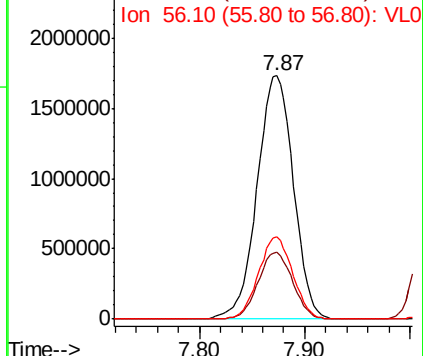


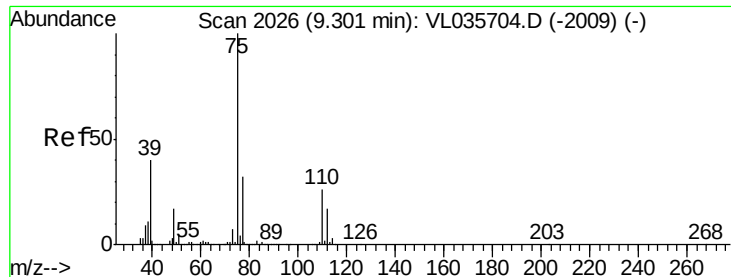
#44
2,2,4-Trimethylpentane
Concen: 10.335 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion: 57 Resp: 4147902
Ion Ratio Lower Upper
57 100
41 26.2 21.2 31.8
56 31.8 25.8 38.8



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: 13.050 ppbv

RT: 9.29 min Scan# 2021

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

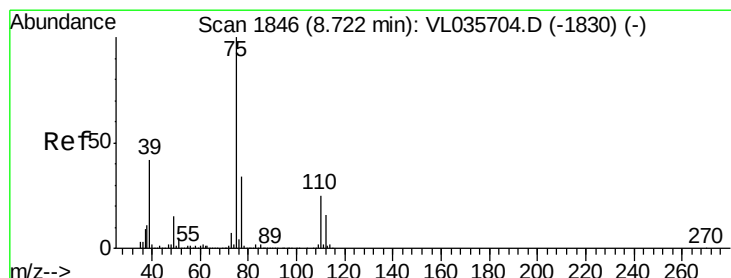
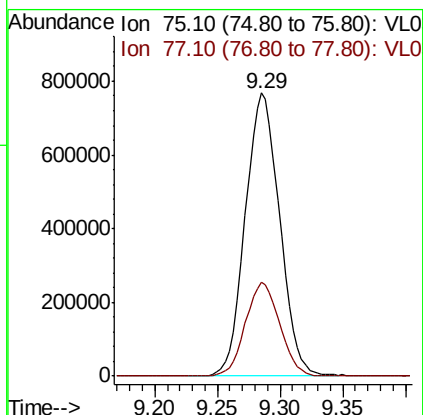
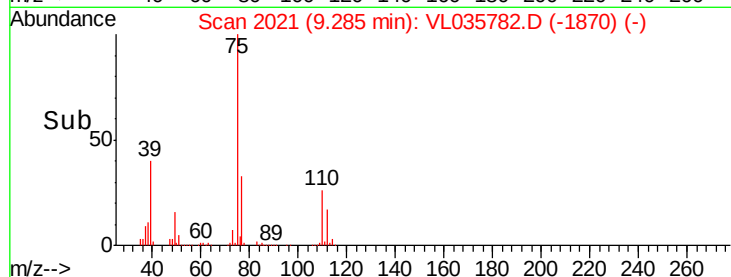
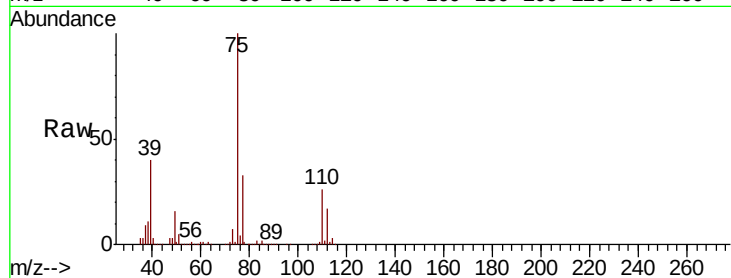
ClientSampled :

Tot Ion: 75 Resp: 1465565

Ion Ratio Lower Upper

75 100

77 33.2 25.9 38.9



#46

cis-1,3-Dichloropropene

Concen: 12.607 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

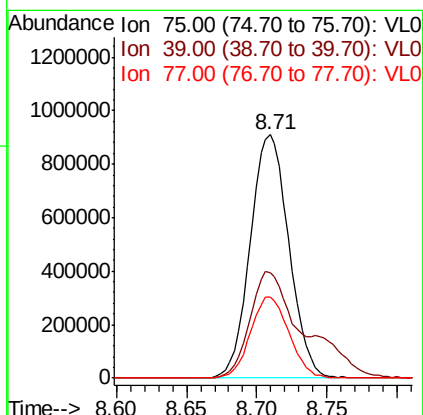
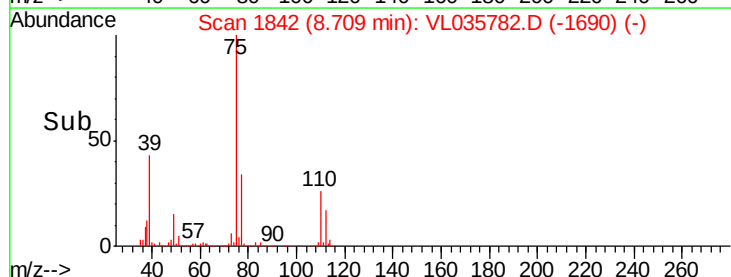
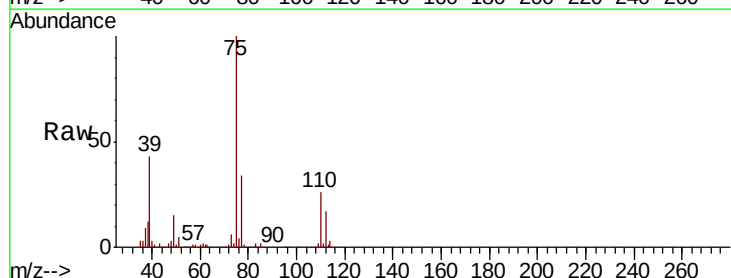
Tgt Ion: 75 Resp: 1745182

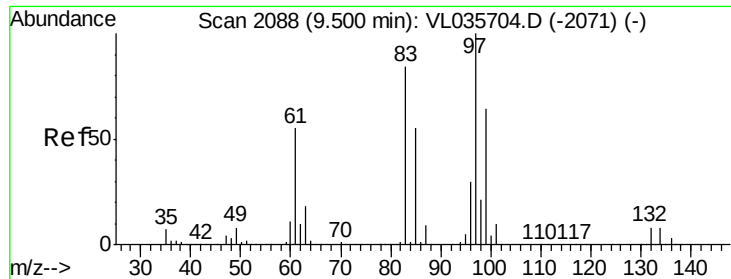
Ion Ratio Lower Upper

75 100

39 43.3 33.9 50.9

77 33.5 27.4 41.0



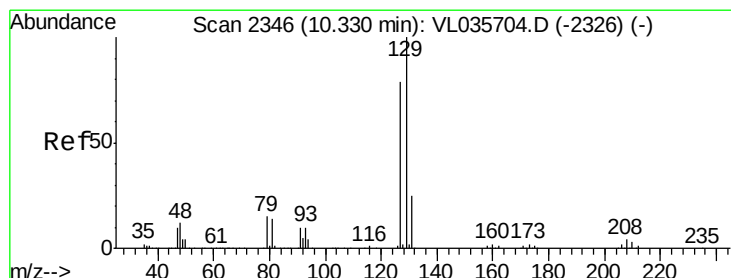
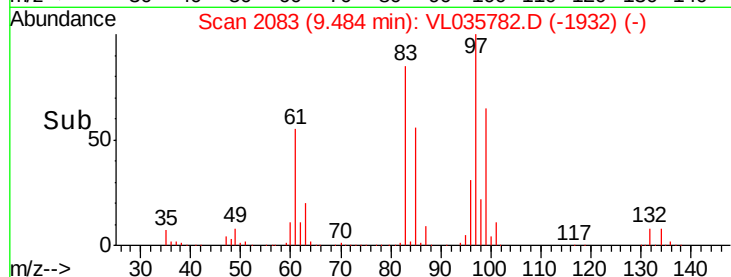
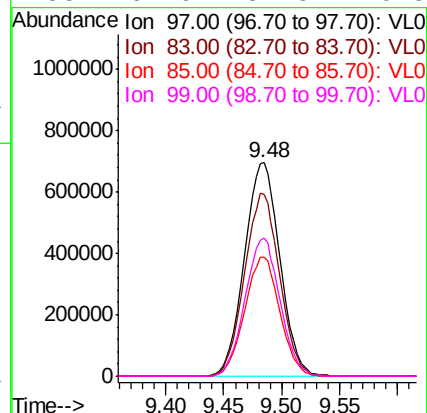
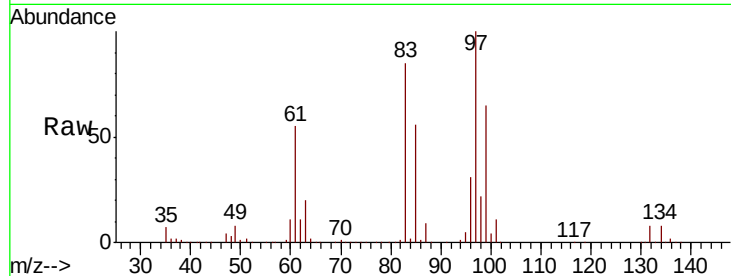


#47
 1,1,2-Trichloroethane
 Concen: 10.182 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1478447

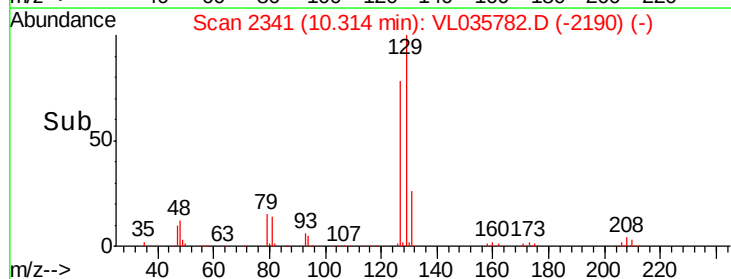
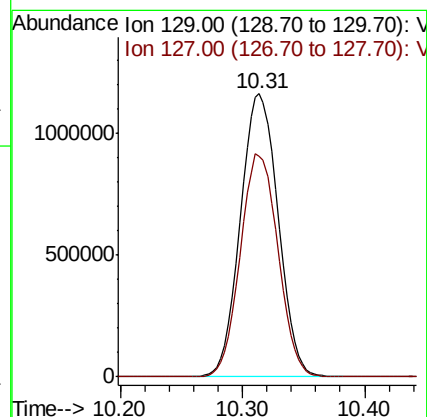
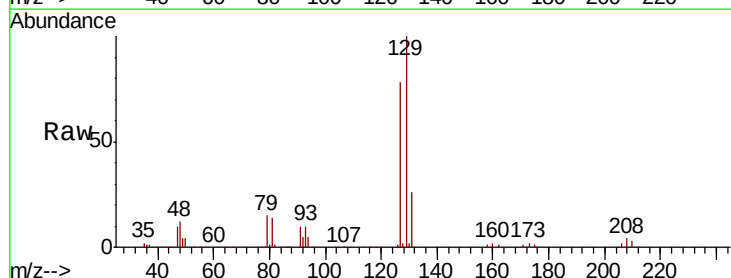
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.1	100.7
85	55.8	43.9	65.9
99	64.9	51.3	76.9

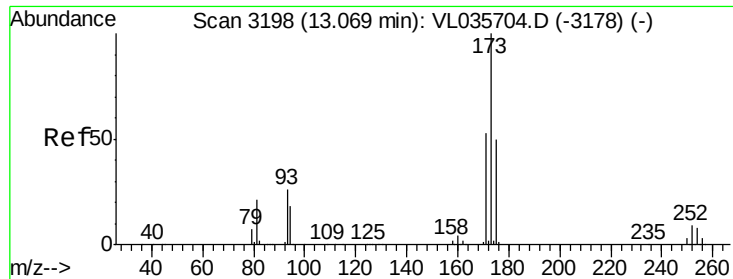


#48
 Dibromochloromethane
 Concen: 11.256 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion: 129 Resp: 2487554

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.4	118.1





#49

Bromoform

Concen: 11.946 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

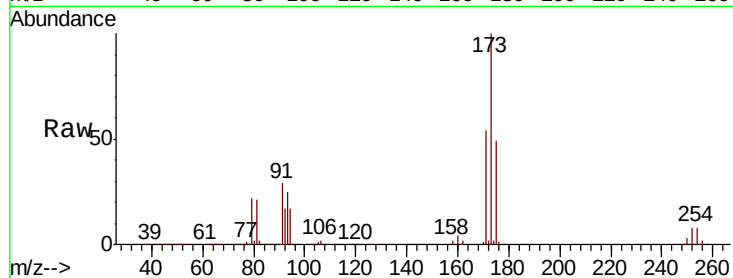
Tot Ion:173 Resp: 2240023

Ion Ratio Lower Upper

173 100

175 49.6 39.8 59.6

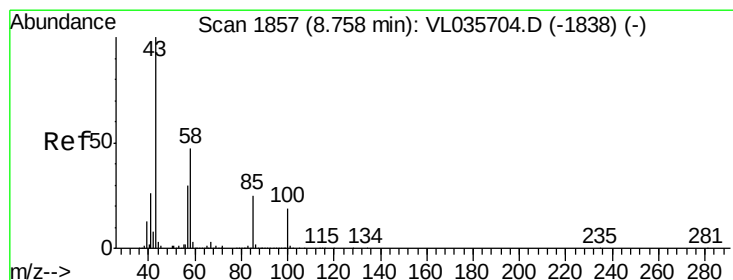
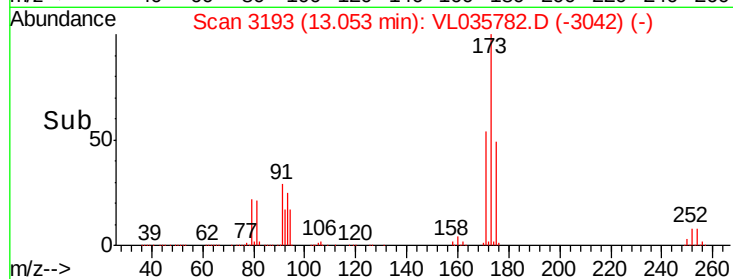
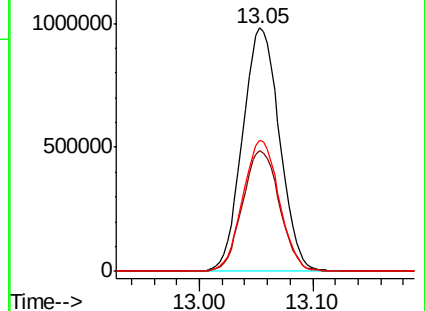
171 53.0 42.8 64.2



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: 10.804 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035782.D

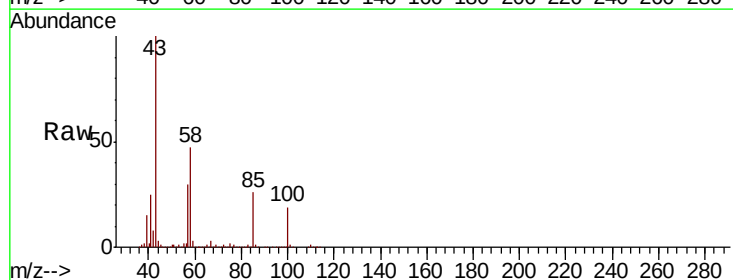
Acq: 16 Oct 2020 11:05

Tgt Ion: 43 Resp: 2240285

Ion Ratio Lower Upper

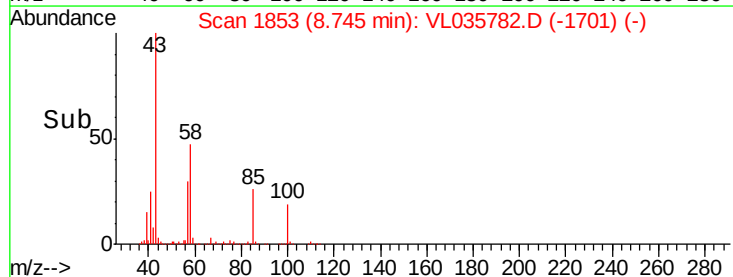
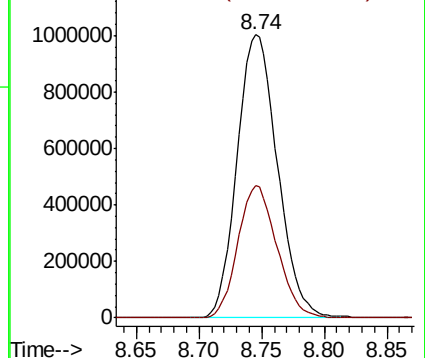
43 100

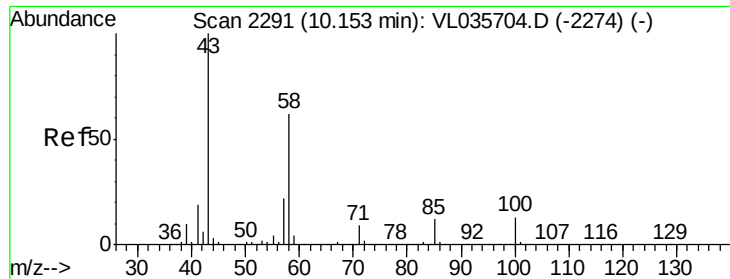
58 45.4 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

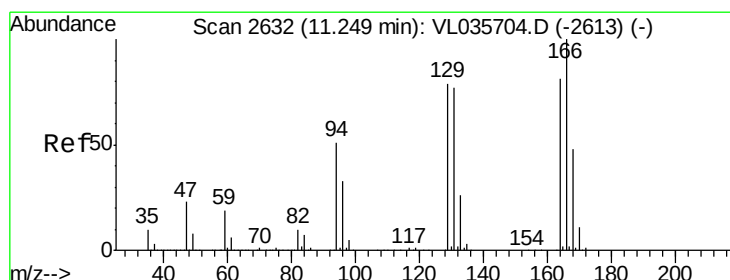
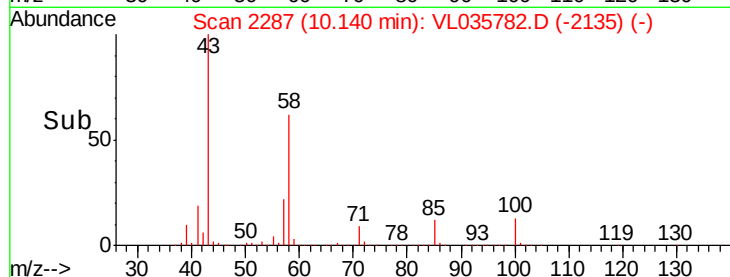
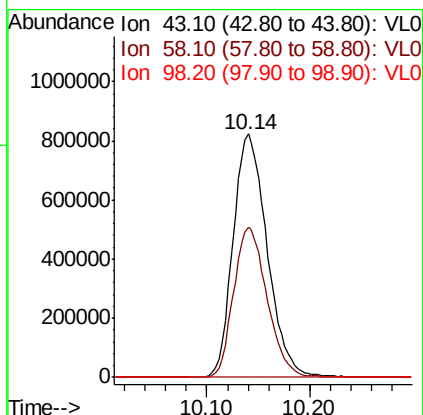
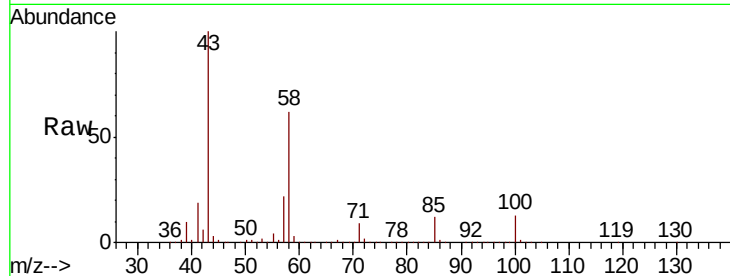




#51
2-Hexanone
Concen: 11.307 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

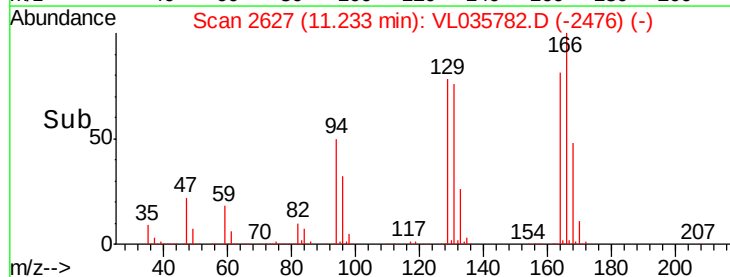
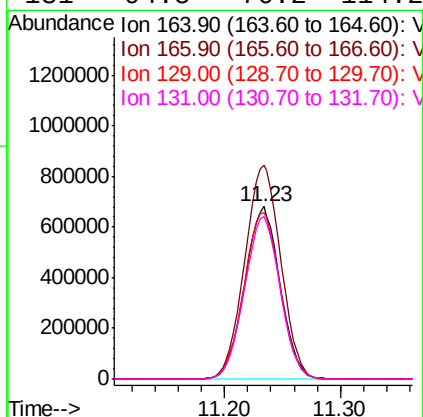
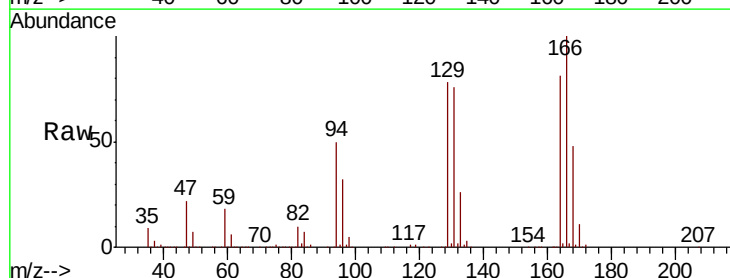
Instrument :
MSVOA_L
ClientSampleId :

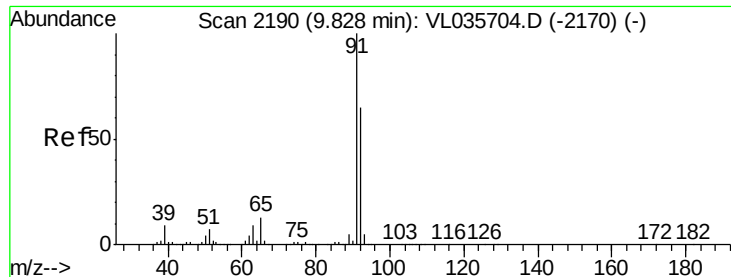
Tot Ion: 43 Resp: 1888999
Ion Ratio Lower Upper
43 100
58 60.9 48.7 73.1
98 0.6 0.7 1.1#



#52
Tetrachloroethene
Concen: 10.745 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion: 164 Resp: 1445185
Ion Ratio Lower Upper
164 100
166 123.7 98.7 148.1
129 96.5 78.4 117.6
131 94.5 76.2 114.2





#53

Toluene

Concen: 11.649 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

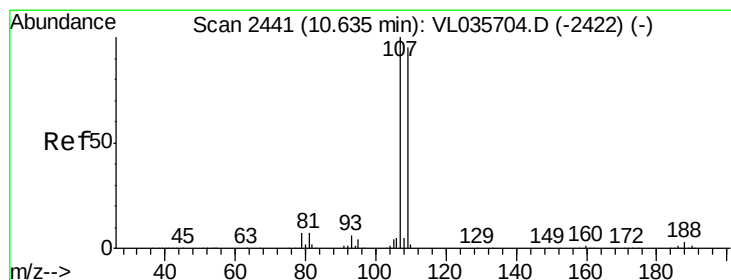
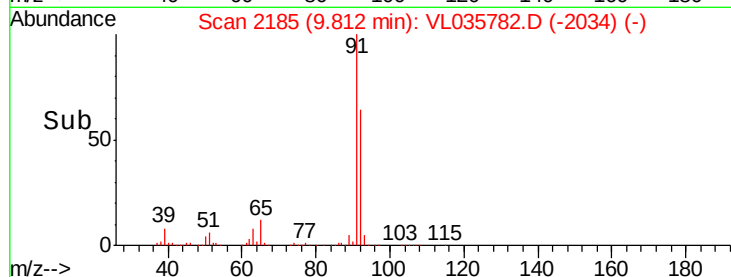
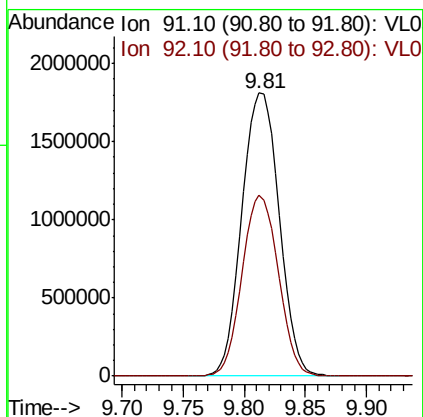
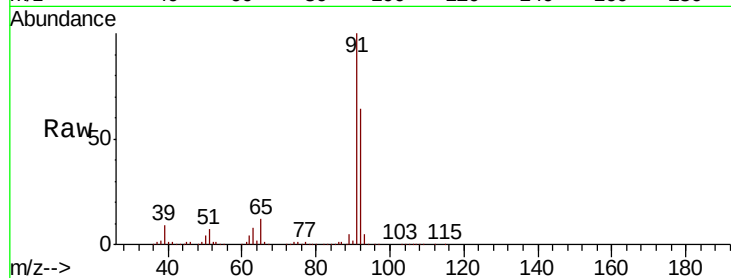
ClientSampleId :

Tot Ion: 91 Resp: 3841920

Ion Ratio Lower Upper

91 100

92 62.1 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.702 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035782.D

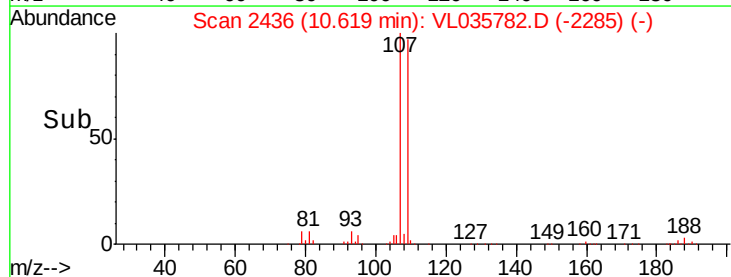
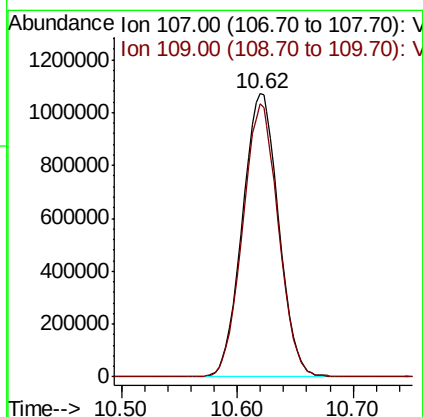
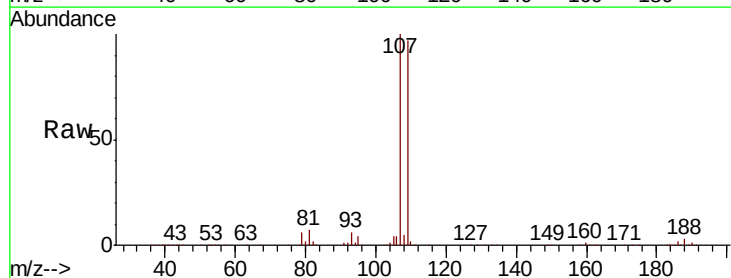
Acq: 16 Oct 2020 11:05

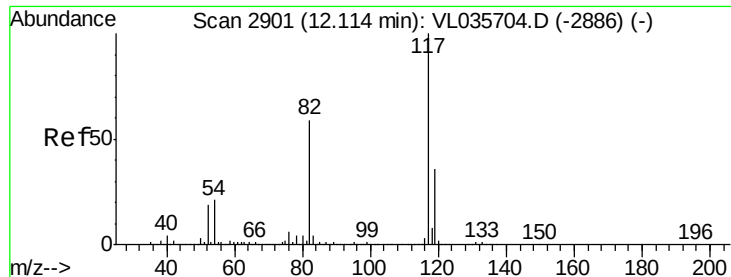
Tgt Ion: 107 Resp: 2326861

Ion Ratio Lower Upper

107 100

109 96.5 76.0 114.0

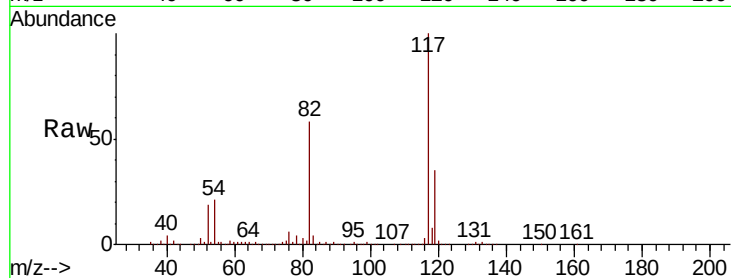




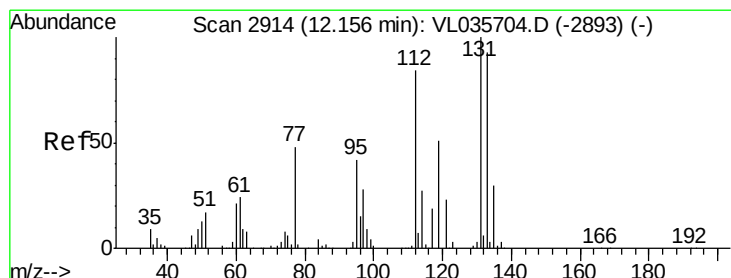
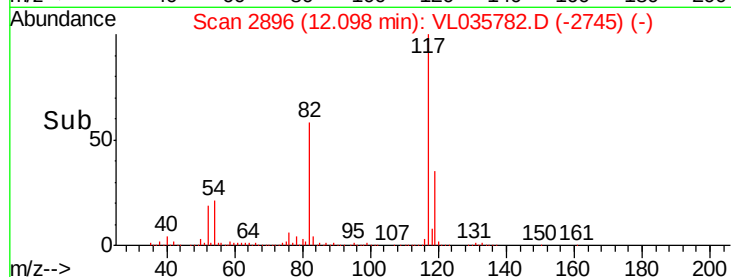
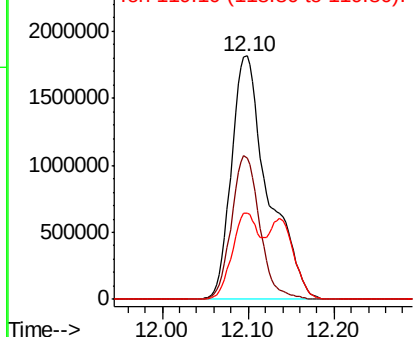
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 5385345
Ion Ratio Lower Upper
117 100
82 45.8 46.1 69.1#
119 24.7 28.0 42.0#

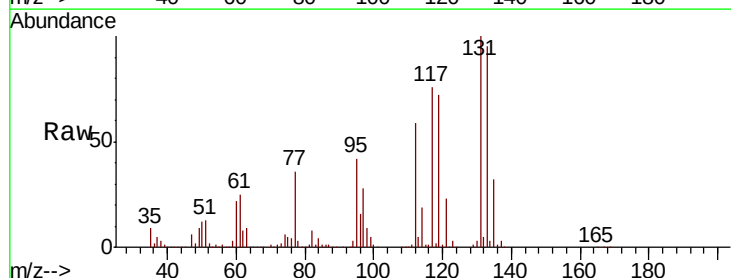


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

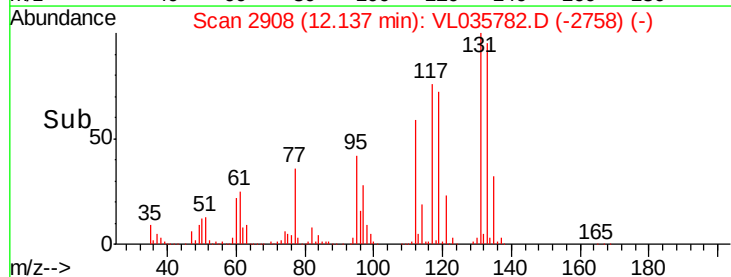
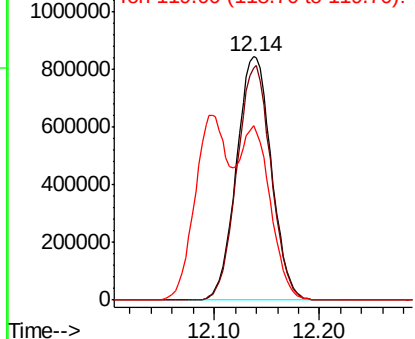


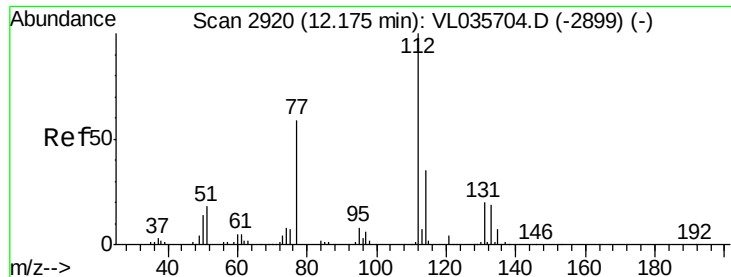
#56
1,1,1,2-Tetrachloroethane
Concen: 8.580 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion:131 Resp: 1937451
Ion Ratio Lower Upper
131 100
133 94.8 76.2 114.4
119 69.8 52.4 78.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

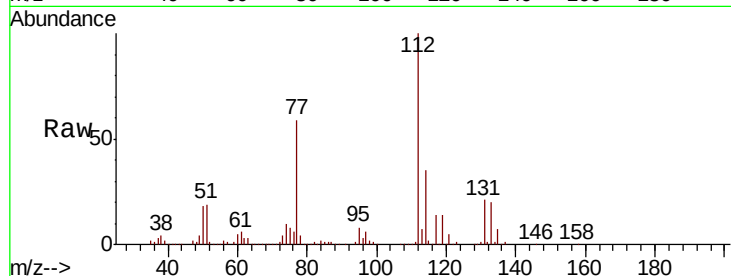




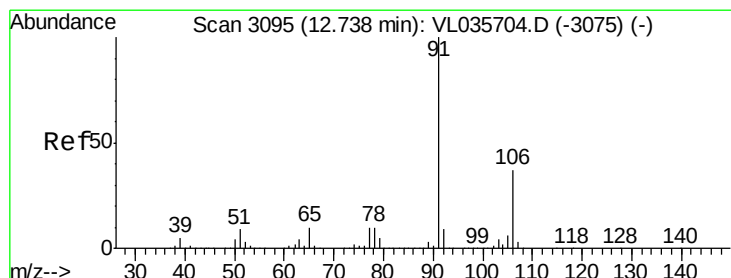
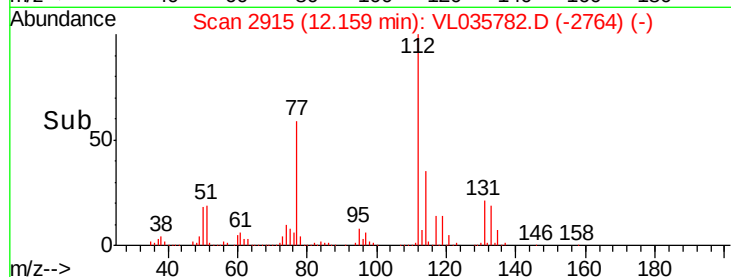
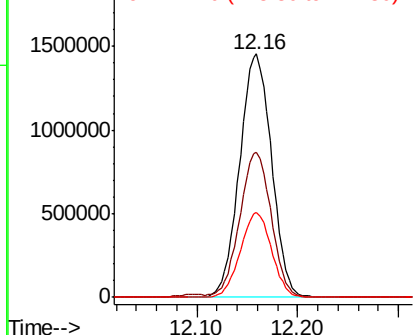
#57
Chlorobenzene
Concen: 7.847 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 3191821
Ion Ratio Lower Upper
112 100
77 59.3 48.2 72.2
114 34.9 31.9 39.1

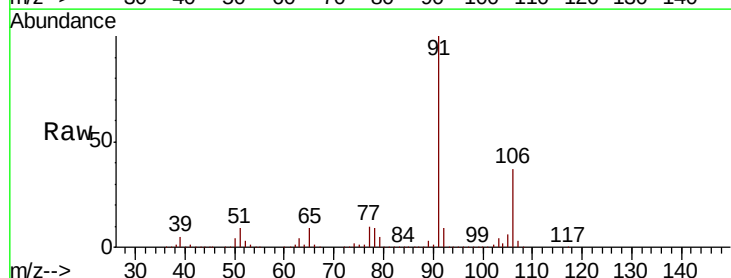


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

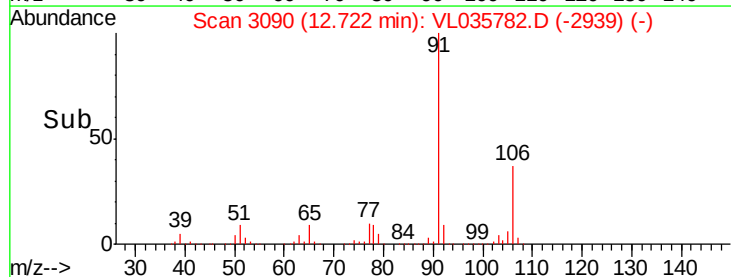
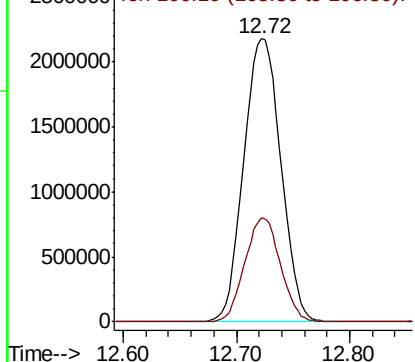


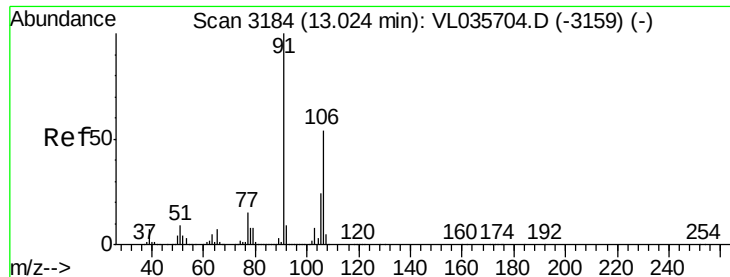
#58
Ethyl Benzene
Concen: 9.212 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion: 91 Resp: 4979256
Ion Ratio Lower Upper
91 100
106 36.7 29.7 44.5



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

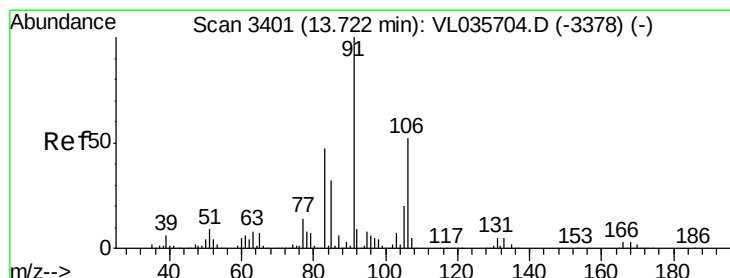
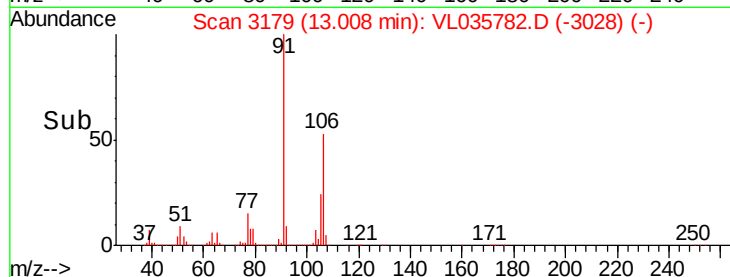
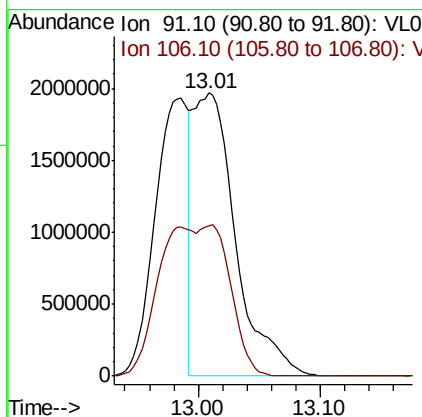
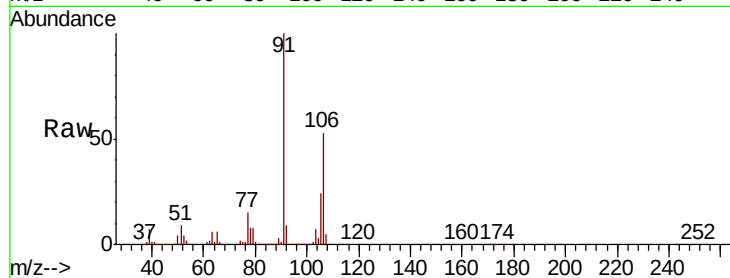




#59
m/p-Xylene
Concen: 10.034 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

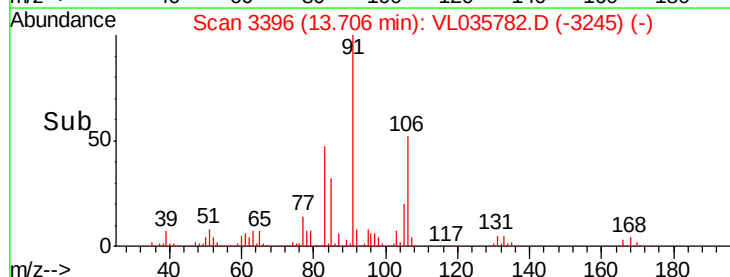
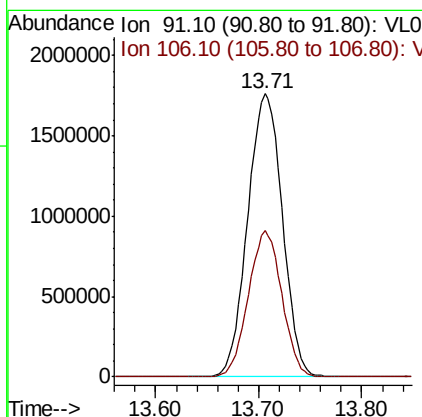
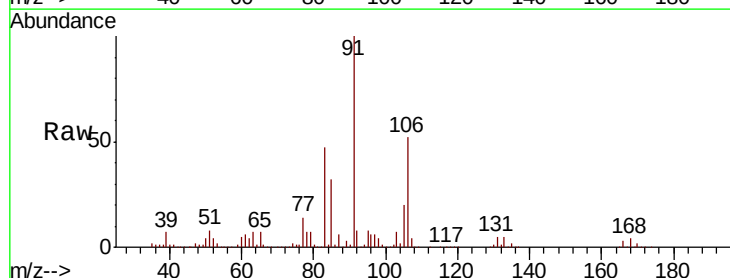
Instrument :
MSVOA_L
ClientSampled :

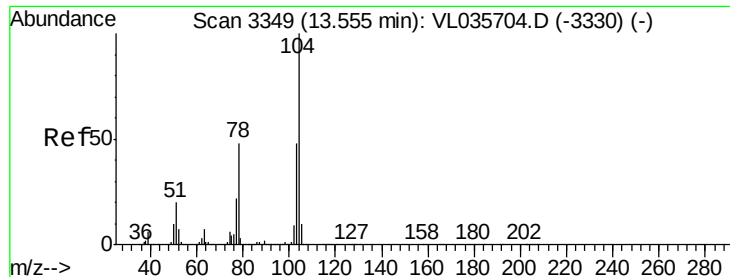
Tot Ion: 91 Resp: 4736521
Ion Ratio Lower Upper
91 100
106 89.0 41.4 62.0#



#60
o-Xylene
Concen: 8.615 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion: 91 Resp: 4113420
Ion Ratio Lower Upper
91 100
106 49.9 25.0 75.0





#61

Stvrene

Concen: 9.842 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

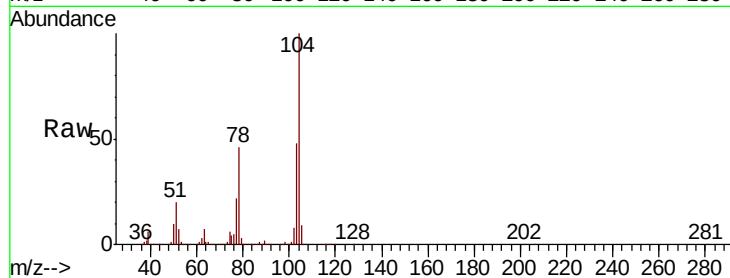
Tot Ion:104 Resp: 3249367

Ion Ratio Lower Upper

104 100

78 45.8 37.2 55.8

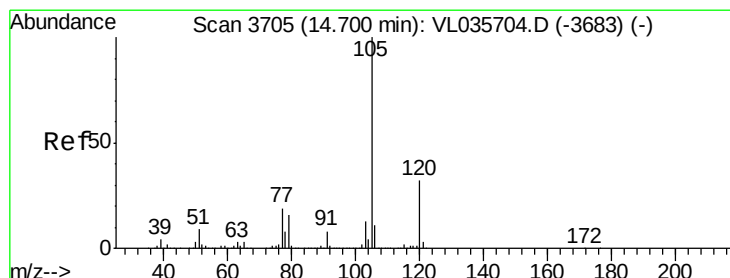
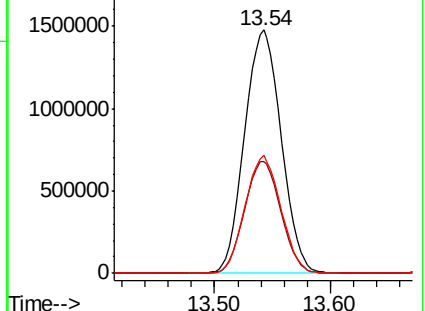
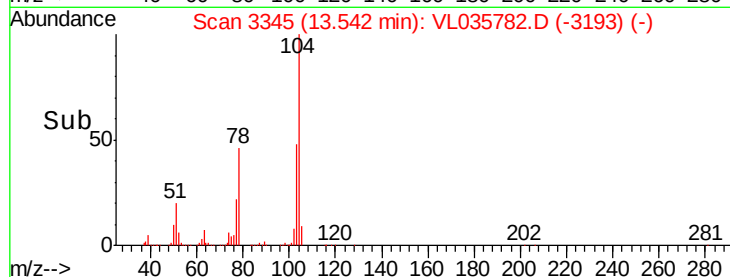
103 47.3 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.399 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. -0.02 min

Lab File: VL035782.D

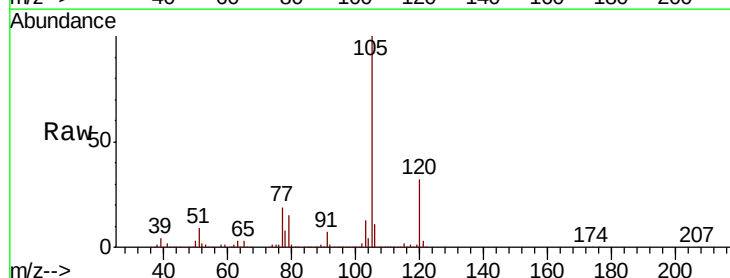
Acq: 16 Oct 2020 11:05

Tgt Ion:105 Resp: 6220569

Ion Ratio Lower Upper

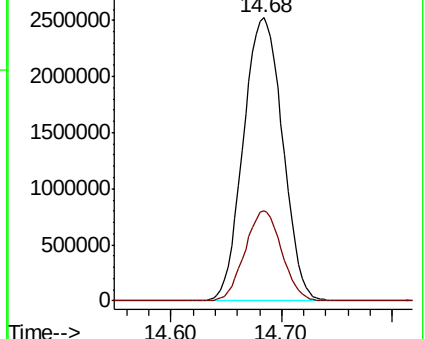
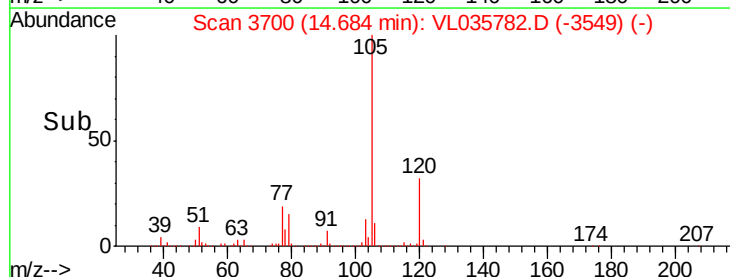
105 100

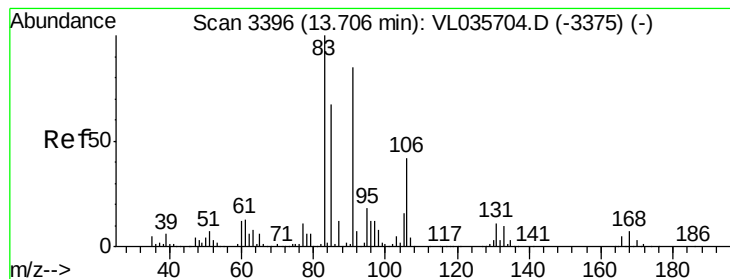
120 29.8 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.611 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

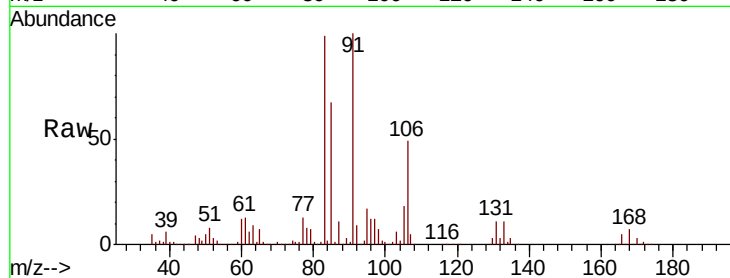
Tot Ion: 83 Resp: 2980077

Ion Ratio Lower Upper

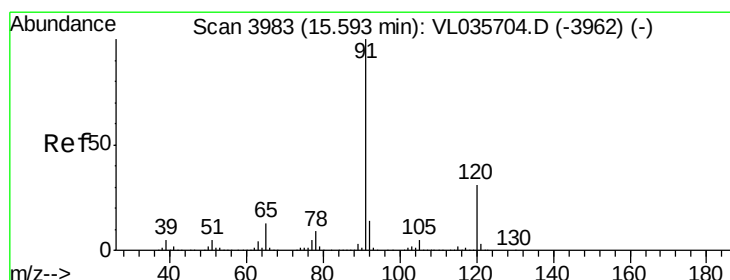
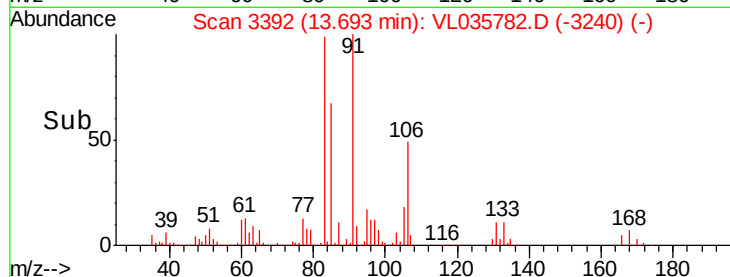
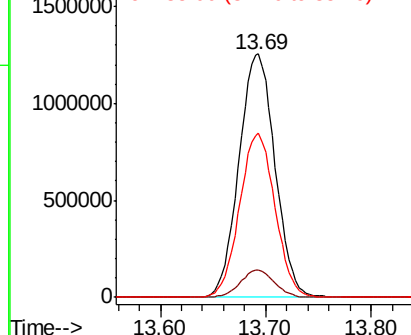
83 100

131 10.7 5.3 16.1

85 66.6 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: 8.801 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. -0.02 min

Lab File: VL035782.D

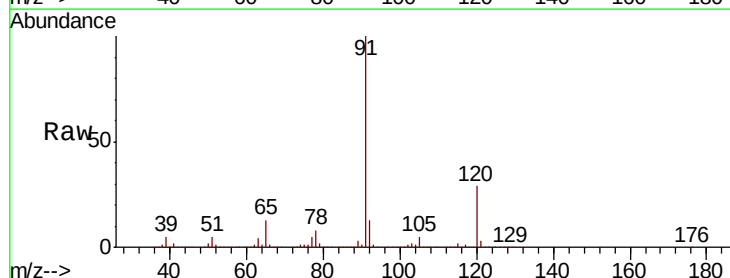
Acq: 16 Oct 2020 11:05

Tgt Ion:120 Resp: 1907788

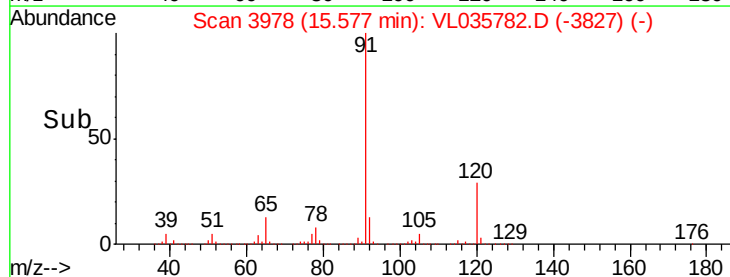
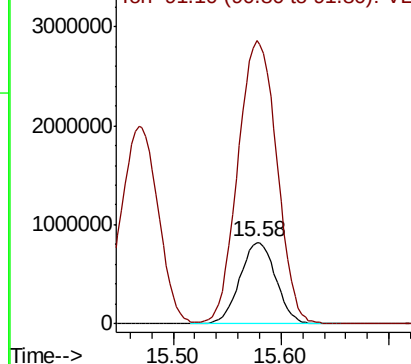
Ion Ratio Lower Upper

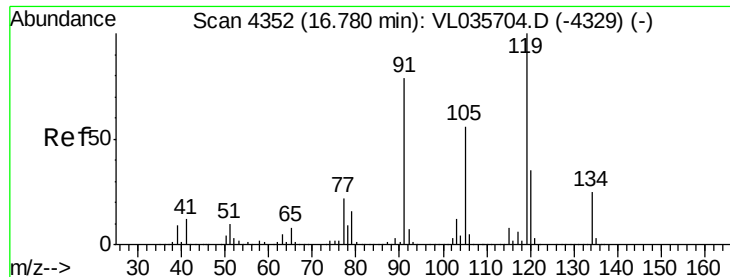
120 100

91 377.1 300.4 450.6



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





#65

tert-Butylbenzene

Concen: 8.509 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

ClientSampleId :

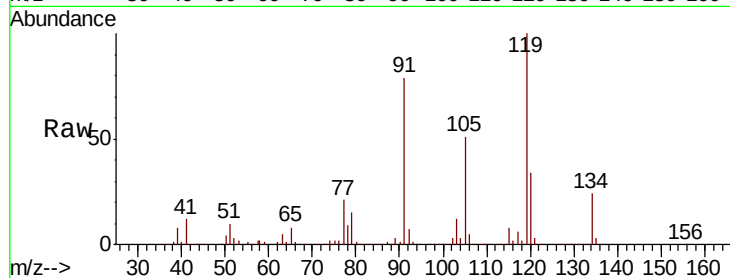
Tot Ion:119 Resp: 5729781

Ion Ratio Lower Upper

119 100

91 77.0 62.4 93.6

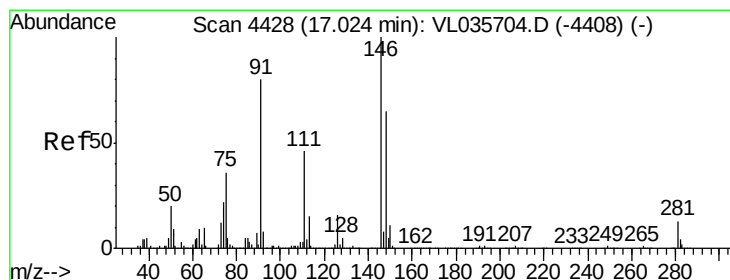
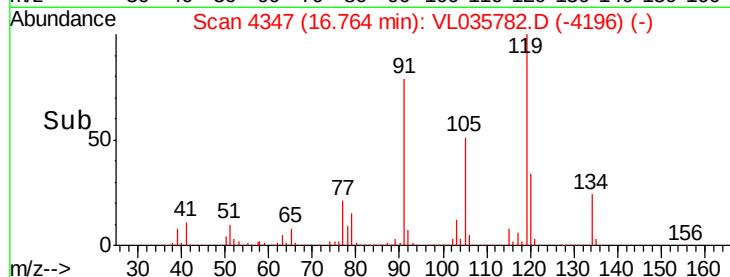
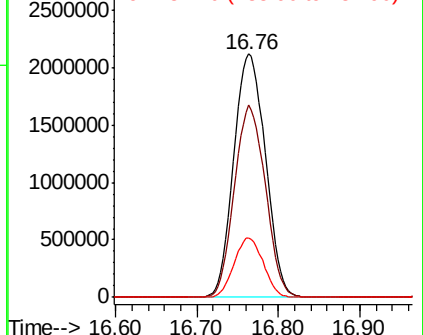
134 22.5 18.2 27.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.408 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

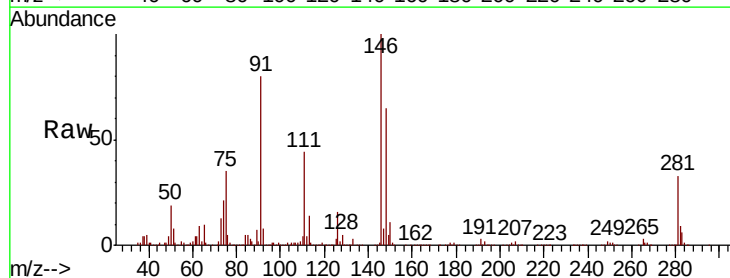
Tgt Ion: 91 Resp: 2123501

Ion Ratio Lower Upper

91 100

126 20.2 15.3 22.9

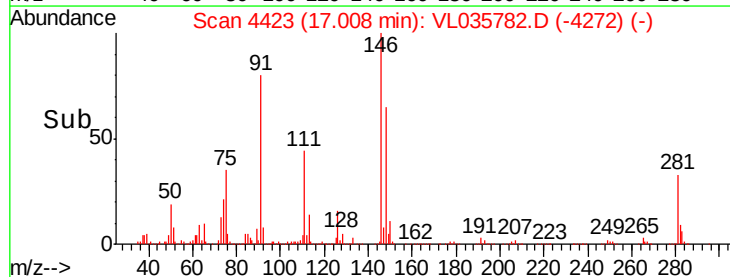
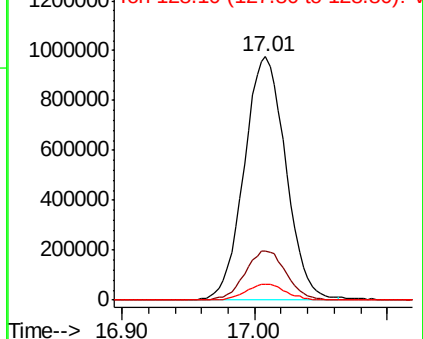
128 6.4 5.0 7.4

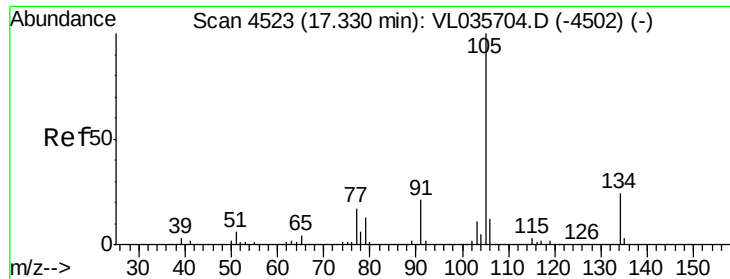


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.241 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

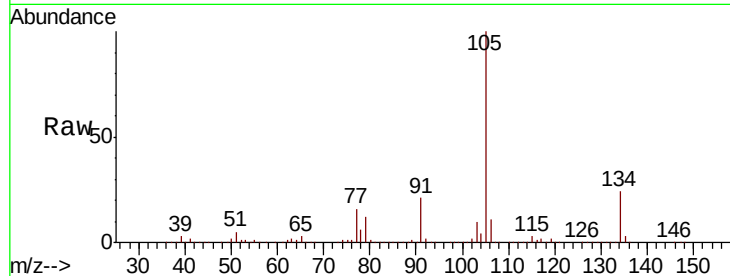
ClientSampleId :

Tot Ion:105 Resp: 7663041

Ion Ratio Lower Upper

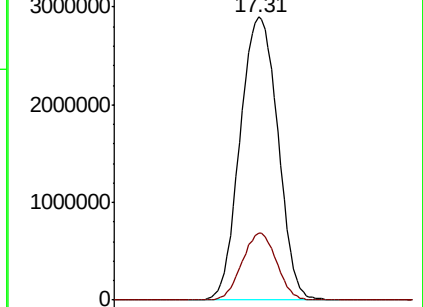
105 100

134 21.8 17.6 26.4

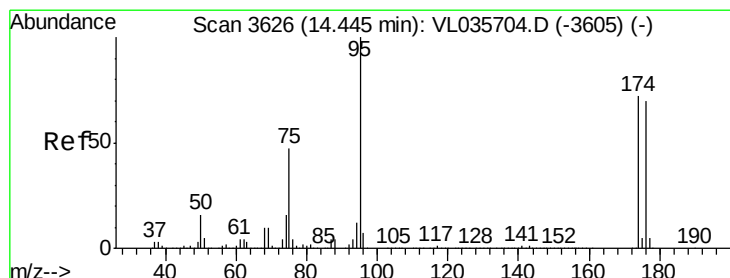
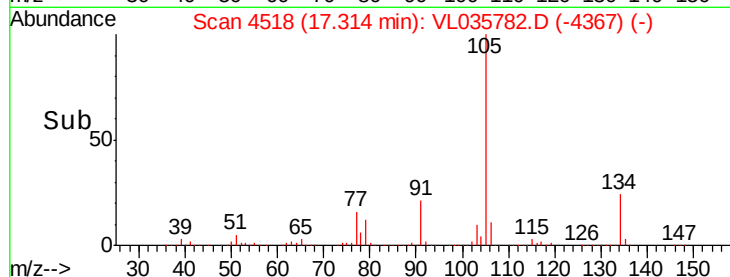


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 7.750 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

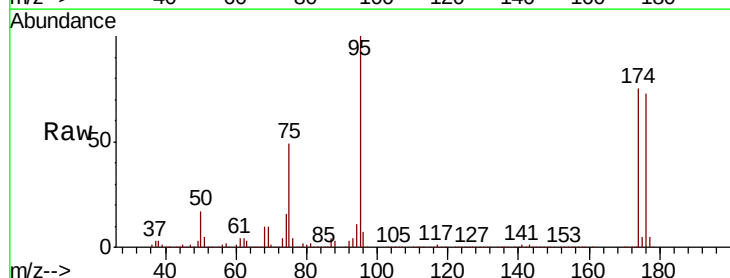
Tgt Ion: 95 Resp: 3127478

Ion Ratio Lower Upper

95 100

174 75.8 59.6 89.4

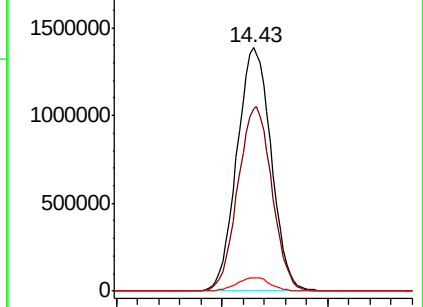
175 5.4 4.2 6.4



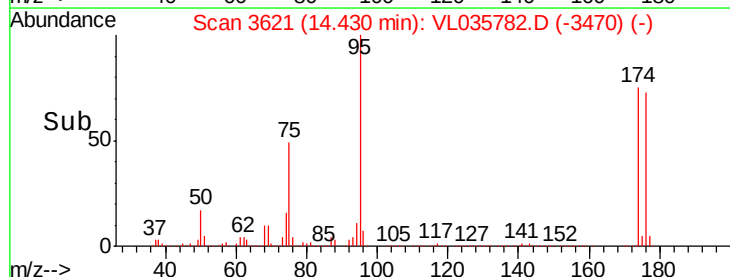
Abundance Ion 95.10 (94.80 to 95.80): VL0

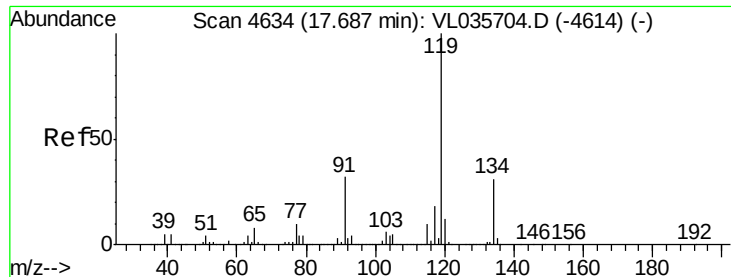
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->

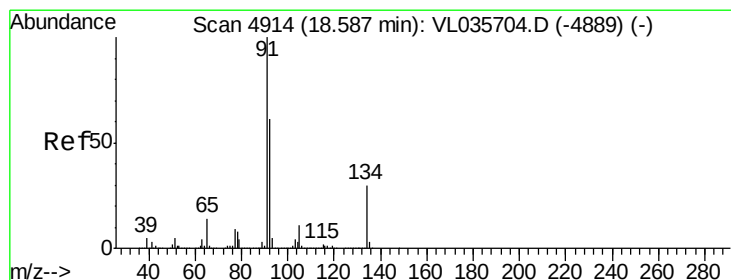
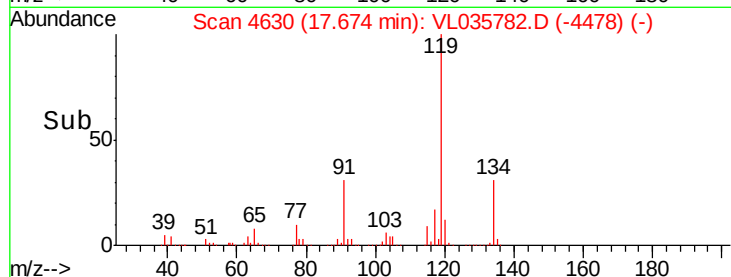
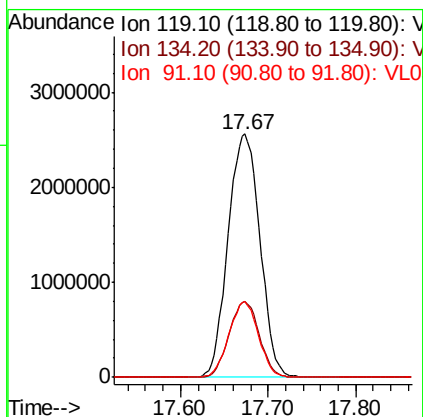
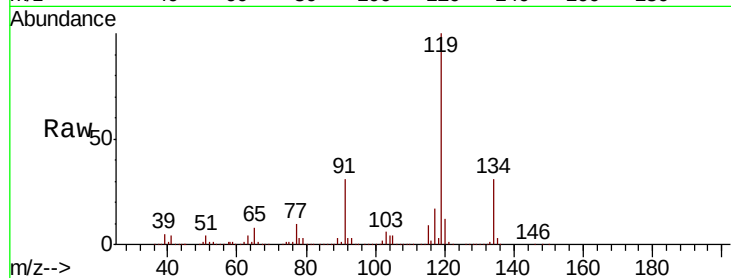




#69
 p-Isopropyltoluene
 Concen: 8.550 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

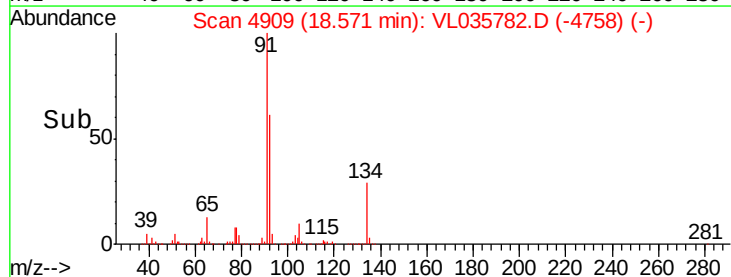
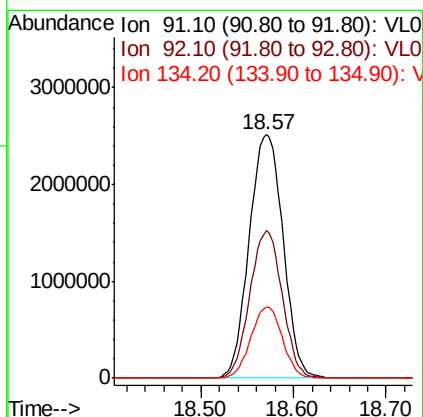
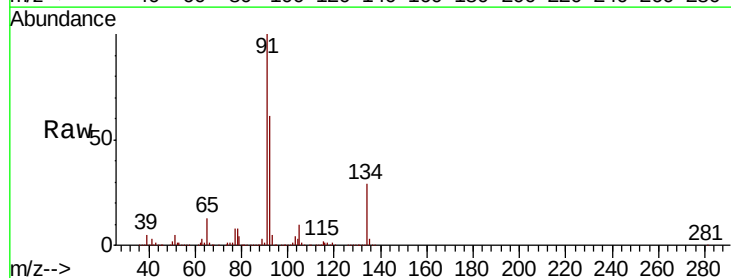
Instrument :
 MSVOA_L
 ClientSampleId :

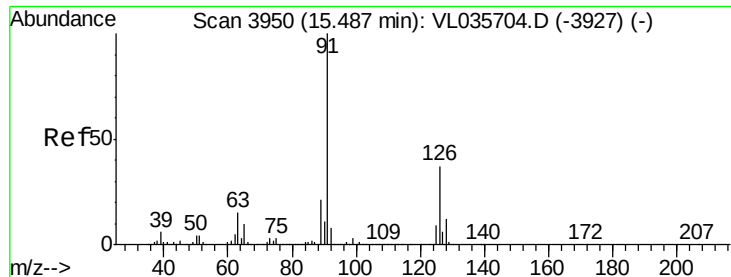
Tot Ion:119 Resp: 6468316
 Ion Ratio Lower Upper
 119 100
 134 29.5 23.9 35.9
 91 28.8 23.8 35.6



#70
 n-Butylbenzene
 Concen: 8.193 ppbv
 RT: 18.57 min Scan# 4909
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion: 91 Resp: 6382603
 Ion Ratio Lower Upper
 91 100
 92 57.9 47.0 70.4
 134 27.2 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.770 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

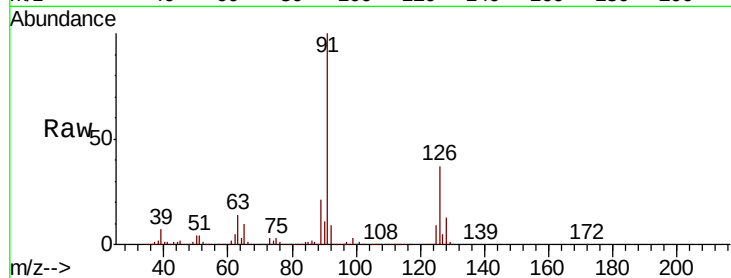
ClientSampleId :

Tot Ion: 91 Resp: 4737625

Ion Ratio Lower Upper

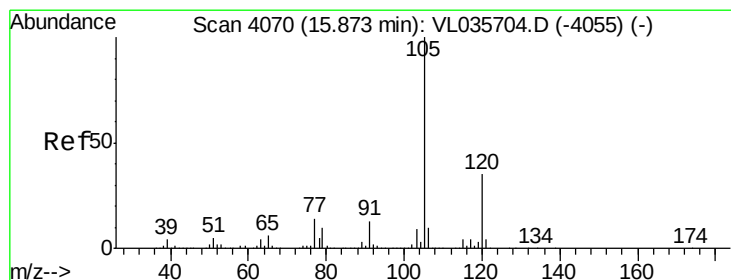
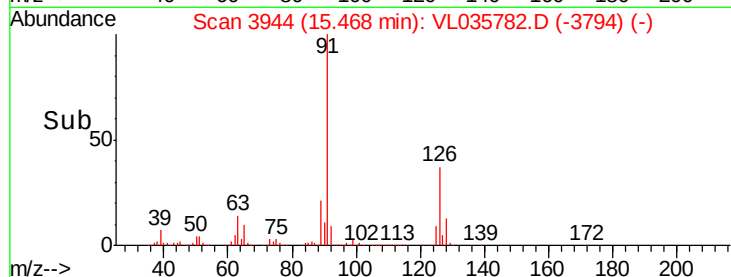
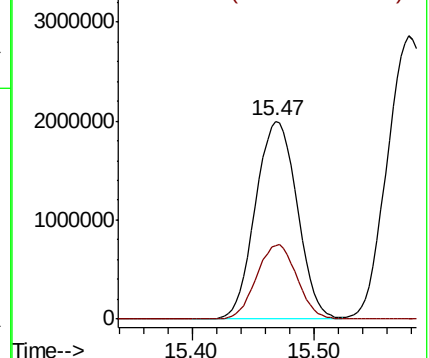
91 100

126 36.3 14.4 57.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.938 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Tgt Ion:105 Resp: 5056001

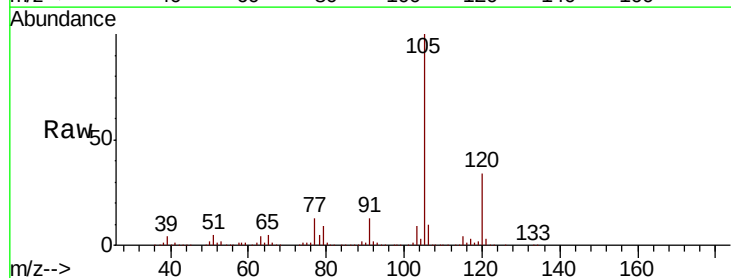
Ion Ratio Lower Upper

105 100

120 33.0 26.5 39.7

91 12.5 10.2 15.2

77 12.7 10.3 15.5

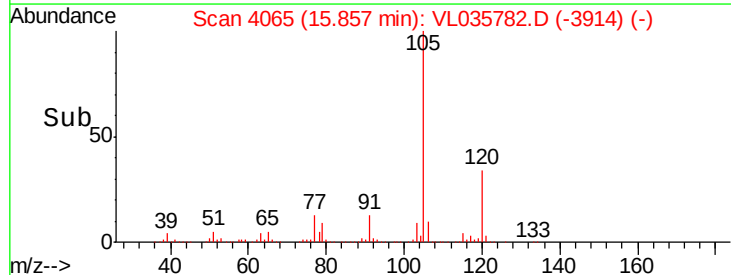
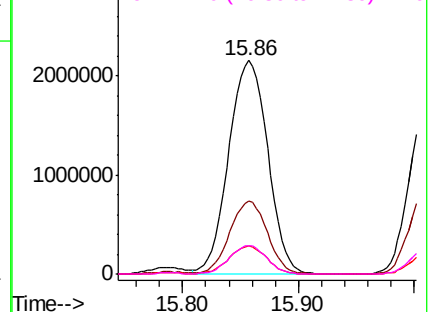


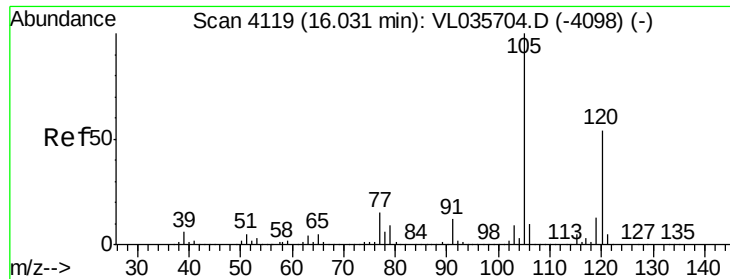
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.741 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Instrument :

MSVOA_L

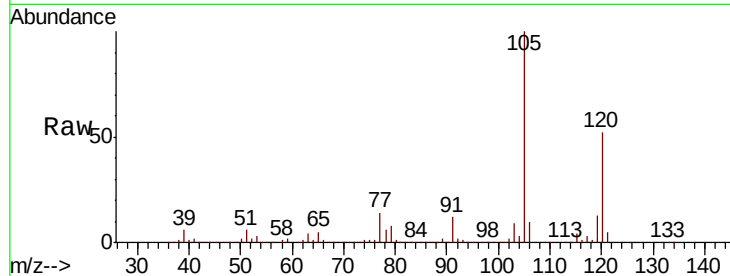
ClientSampleId :

Tot Ion:105 Resp: 4672202

Ion Ratio Lower Upper

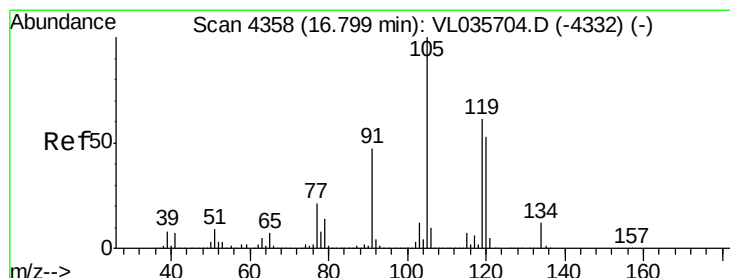
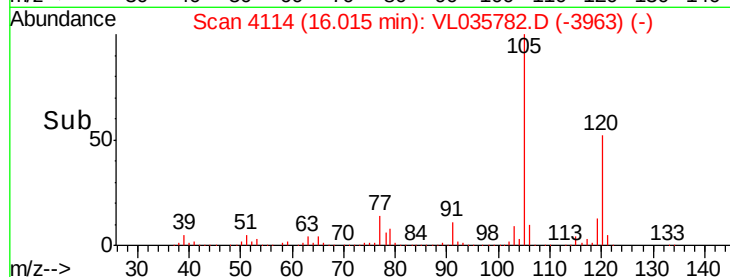
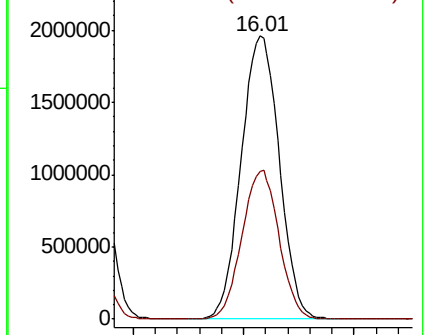
105 100

120 52.3 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: 8.031 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.02 min

Lab File: VL035782.D

Acq: 16 Oct 2020 11:05

Tgt Ion:105 Resp: 4839152

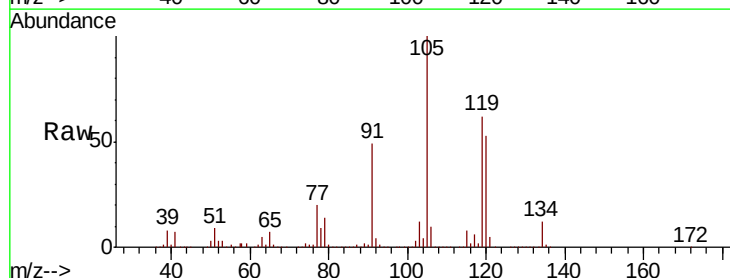
Ion Ratio Lower Upper

105 100

120 53.4 42.5 63.7

91 48.9 37.7 56.5

77 20.4 16.7 25.1

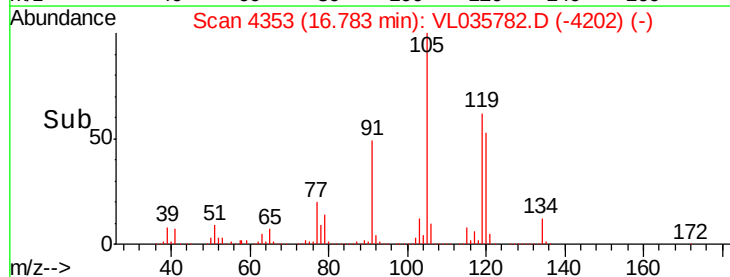
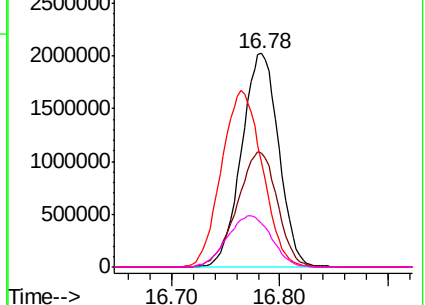


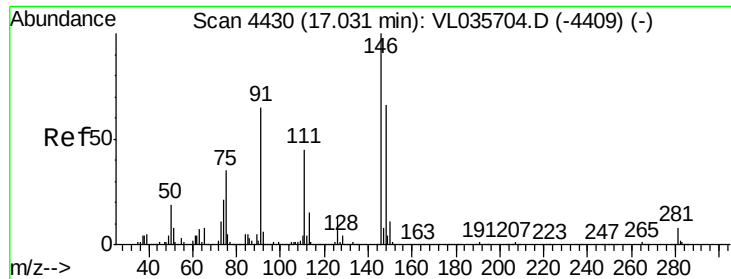
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

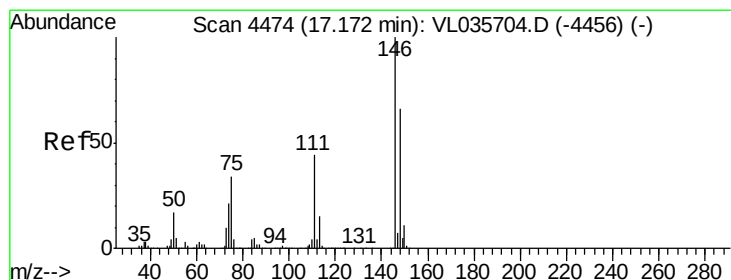
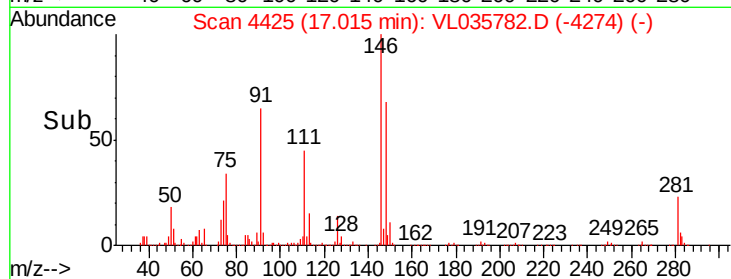
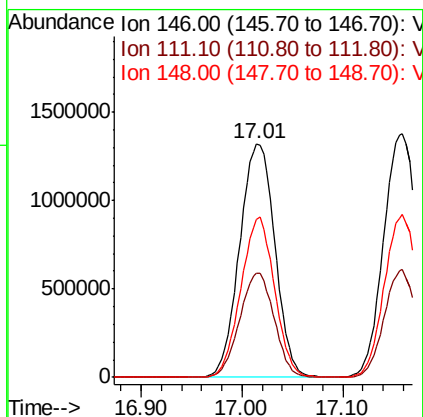
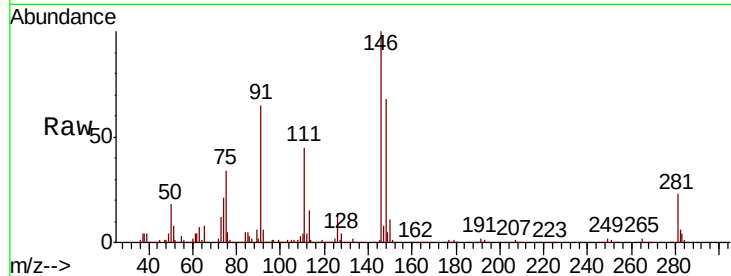




#75
 1,3-Dichlorobenzene
 Concen: 7.805 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

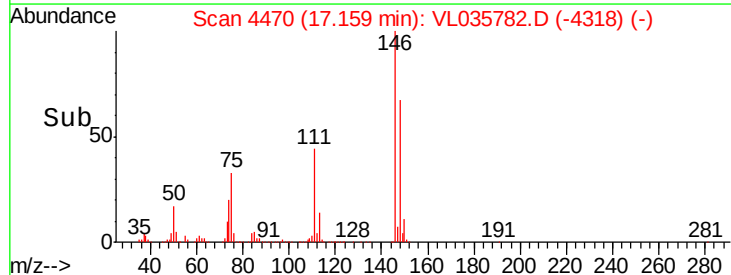
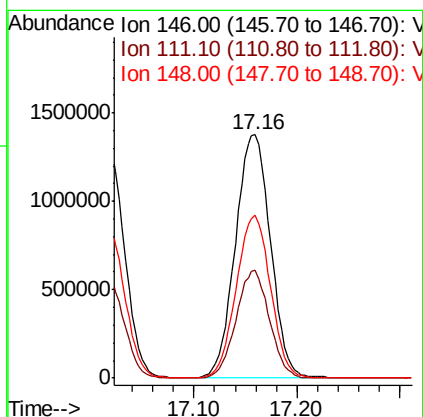
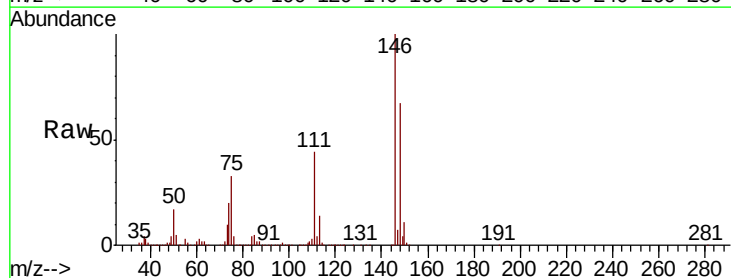
Instrument :
 MSVOA_L
 ClientSampleId :

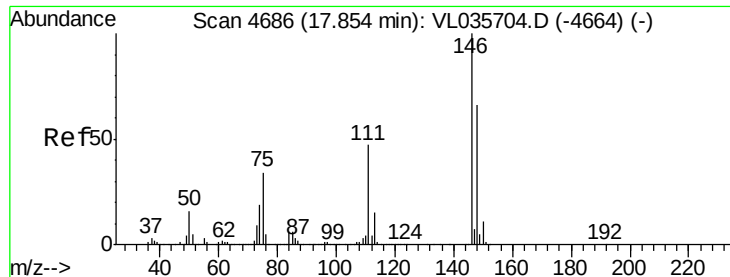
Tot Ion:146 Resp: 3210842
 Ion Ratio Lower Upper
 146 100
 111 43.6 22.4 67.0
 148 65.4 33.0 99.0



#76
 1,4-Dichlorobenzene
 Concen: 8.248 ppbv
 RT: 17.16 min Scan# 4470
 Delta R.T. -0.01 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion:146 Resp: 3243414
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.4 64.3
 148 65.8 32.6 98.0

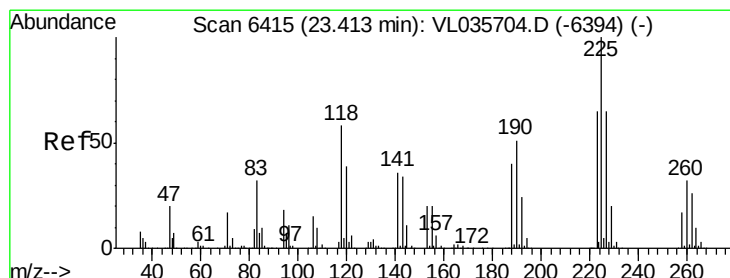
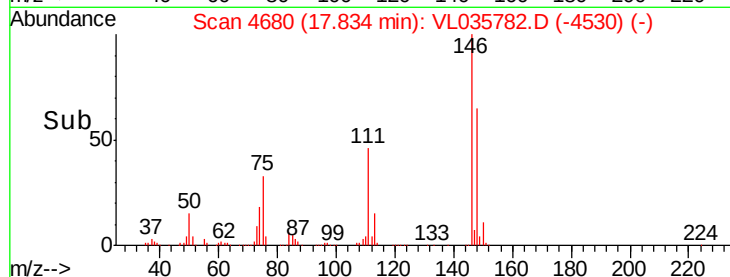
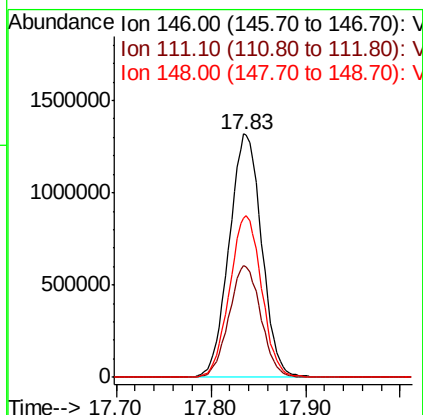
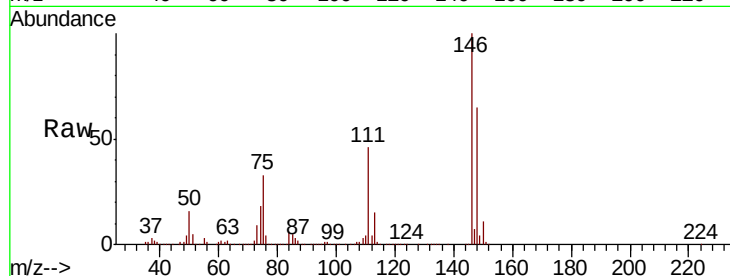




#77
 1,2-Dichlorobenzene
 Concen: 8.087 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

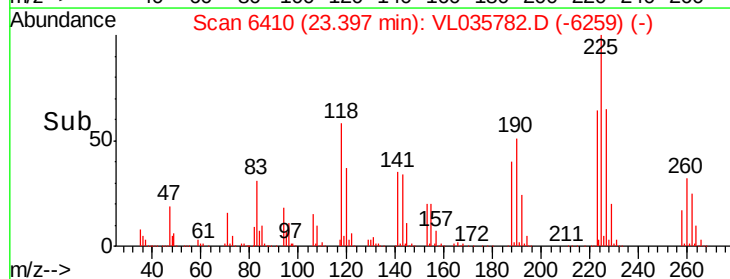
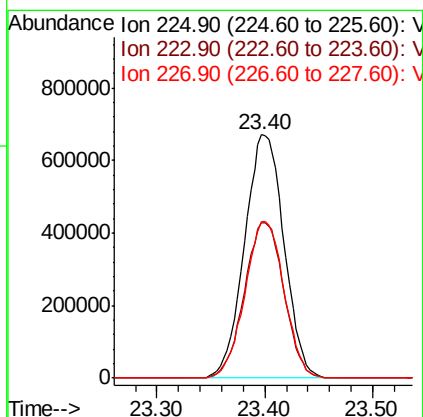
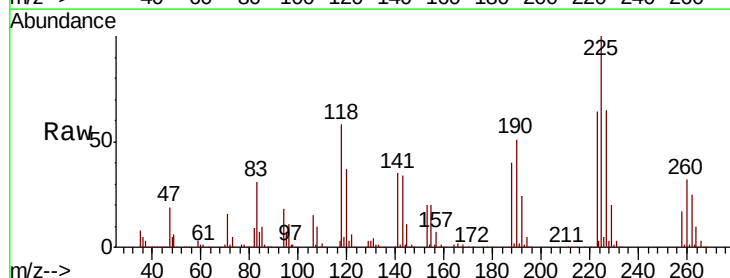
Instrument :
 MSVOA_L
 ClientSampleId :

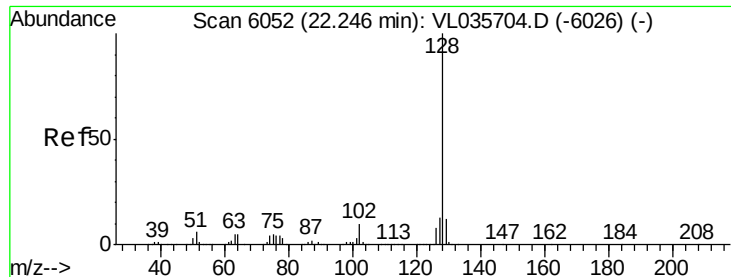
Tot Ion:146 Resp: 3142211
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.9 68.5
 148 65.6 32.6 98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.955 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Tgt Ion:225 Resp: 1705349
 Ion Ratio Lower Upper
 225 100
 223 64.1 51.3 76.9
 227 63.9 51.6 77.4

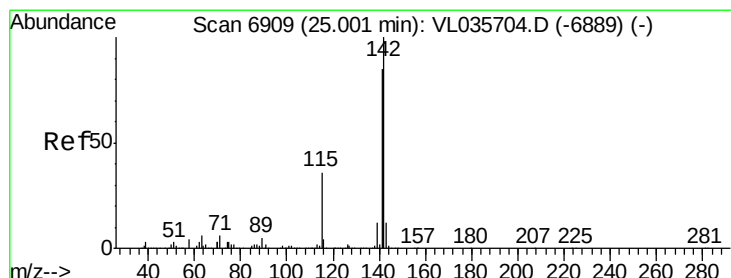
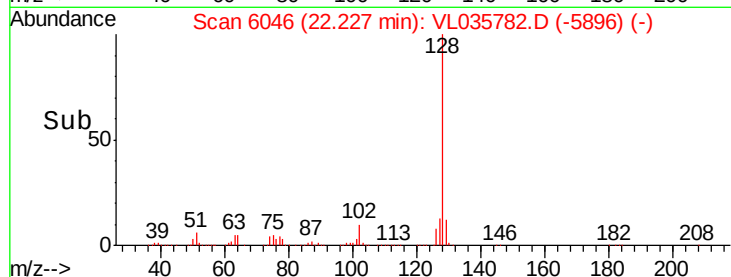
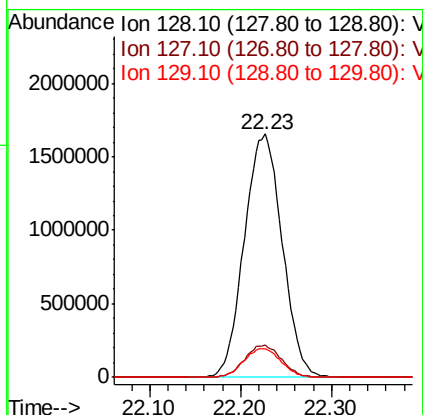
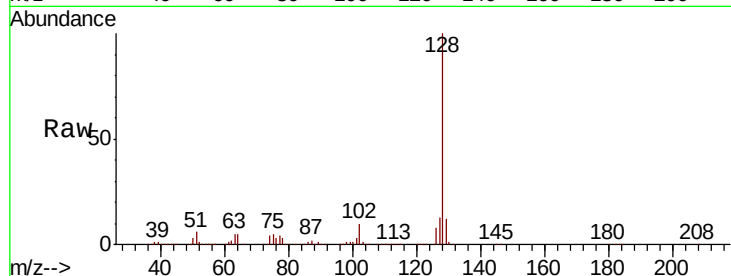




#79
Naphthalene
Concen: 8.315 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.02 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

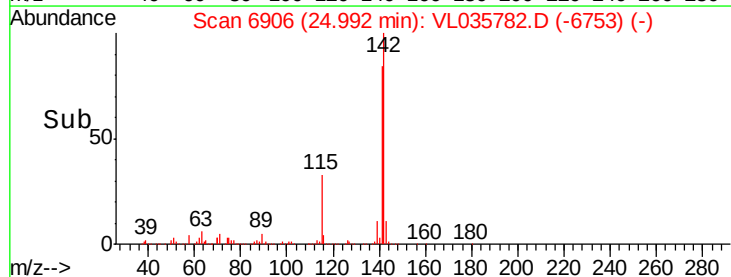
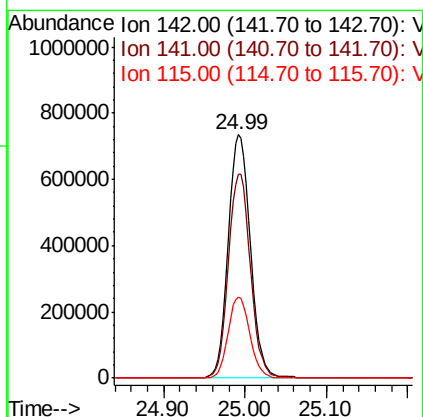
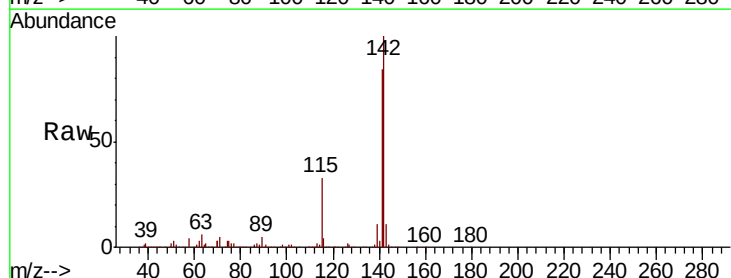
Instrument :
MSVOA_L
ClientSampleId :

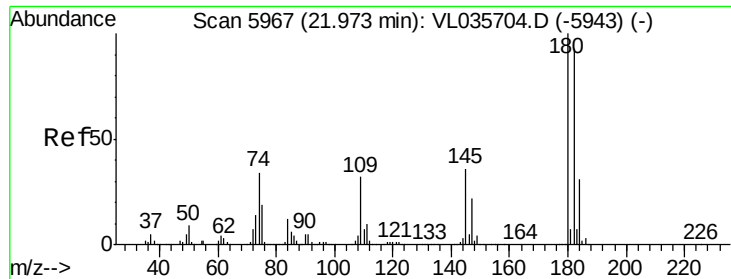
Tot Ion:128 Resp: 4778891
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.9 9.4 14.0



#80
Naphthalene, 2-methyl-
Concen: 10.416 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. -0.01 min
Lab File: VL035782.D
Acq: 16 Oct 2020 11:05

Tgt Ion:142 Resp: 1412081
Ion Ratio Lower Upper
142 100
141 84.0 68.2 102.4
115 33.1 27.8 41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 8.372 ppbv
 RT: 21.95 min Scan# 5961
 Delta R.T. -0.02 min
 Lab File: VL035782.D
 Acq: 16 Oct 2020 11:05

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2493552
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 184 30.9 24.6 37.0

