

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035972.D
 Acq On : 18 Nov 2020 12:48
 Operator : SY/AP
 Sample : VL1118ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Quant Time: Nov 19 08:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1139716	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4243636	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	5281952	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	3162692	8.43	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1656364	7.719	ppbv	100
3) Chlorodifluoromethane	2.96	51	1302913	9.546	ppbv	100
4) Chloromethane	3.11	50	643595	9.707	ppbv	99
5) Vinyl Chloride	3.23	62	812827	9.617	ppbv	99
6) Bromomethane	3.45	94	661576	9.733	ppbv	97
7) Chloroethane	3.53	64	299544	10.070	ppbv	94
8) Dichlorotetrafluoroethane	3.16	85	2310264	9.408	ppbv	97
9) Propene	2.98	41	490397	9.817	ppbv	99
10) Heptane	8.09	43	1441328	10.446	ppbv	98
11) Trichlorofluoromethane	3.92	101	2721188	10.100	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2033659	10.138	ppbv	96
13) Ethanol	3.58	45	90354	8.337	ppbv	97
14) Bromoethene	3.71	108	853756	9.248	ppbv	98
15) Acetone	3.82	43	1156145	9.489	ppbv	99
16) 1,3-Butadiene	3.30	39	513720	9.793	ppbv	99
17) tert-Butyl alcohol	4.26	59	1567962	9.710	ppbv	100
18) 1,1-Dichloroethene	4.26	96	924911	10.042	ppbv	95
19) Isopropyl Alcohol	3.94	45	731079	9.764	ppbv	99
20) Methylene Chloride	4.31	84	762189	8.886	ppbv	99
21) Allyl Chloride	4.38	41	681418	10.341	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	936758	10.033	ppbv	98
23) Vinyl Acetate	5.04	43	1529003	8.952	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1586717	9.751	ppbv	100
25) Ethyl Acetate	5.65	43	2409381	10.037	ppbv	99
26) Hexane	5.65	57	1259964	9.518	ppbv	97
27) Carbon Disulfide	4.52	76	2043055	10.300	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	2121724	8.925	ppbv	100
29) Chloroform	5.72	83	2502187	9.617	ppbv	98
30) Cyclohexane	7.10	84	1332011	9.239	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	1316299	9.666	ppbv	96
32) 1,1,1-Trichloroethane	6.48	97	2405479	8.859	ppbv	99
34) 2-Butanone	5.21	43	1525162	11.074	ppbv	98
35) Carbon Tetrachloride	6.99	117	2394442	10.560	ppbv	99
36) Benzene	6.86	78	3139361	9.951	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1539622	10.772	ppbv	99
38) Trichloroethene	7.80	130	1467164	9.521	ppbv	95
39) 1,2-Dichloropropane	7.58	63	1112376	10.473	ppbv	98
40) 1,4-Dioxane	7.80	88	506006	10.052	ppbv	91
41) Tetrahydrofuran	6.02	42	883287	11.289	ppbv	99
42) Bromodichloromethane	7.76	83	2583299	10.712	ppbv	99
43) Methyl Methacrylate	7.98	69	1300552	10.808	ppbv	97

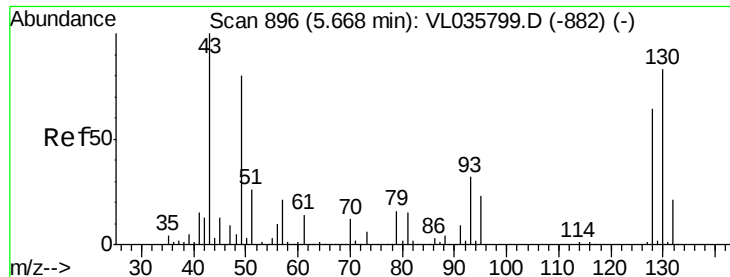
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4383210	10.499	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1383978	10.849	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	1717806	10.633	ppbv	98
47) 1,1,2-Trichloroethane	9.44	97	1482182	10.241	ppbv	98
48) Dibromochloromethane	10.27	129	2400428	10.856	ppbv	99
49) Bromoform	13.01	173	2049831	10.987	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2422052	11.501	ppbv	99
51) 2-Hexanone	10.10	43	2009656	11.879	ppbv #	98
52) Tetrachloroethene	11.19	164	1341609	8.976	ppbv	96
53) Toluene	9.77	91	3844490	10.099	ppbv	99
54) 1,2-Dibromoethane	10.58	107	2244813	10.199	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1883403	7.945	ppbv	98
57) Chlorobenzene	12.11	112	3174653	7.559	ppbv	99
58) Ethyl Benzene	12.68	91	5026900	7.814	ppbv	100
59) m/p-Xylene	12.96	91	4324471	7.945	ppbv #	30
60) o-Xylene	13.66	91	4263901	8.053	ppbv	99
61) Styrene	13.50	104	3163204	8.154	ppbv	99
62) Isopropylbenzene	14.64	105	6339932	7.618	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	3166386	7.718	ppbv	99
64) n-propylbenzene	15.54	120	1898361	7.892	ppbv	97
65) tert-Butylbenzene	16.72	119	5843107	7.714	ppbv	98
66) Benzyl Chloride	16.96	91	2207309	8.816	ppbv	98
67) sec-Butylbenzene	17.27	105	7941795	7.780	ppbv	99
69) p-Isopropyltoluene	17.63	119	6671328	7.920	ppbv	99
70) n-Butylbenzene	18.52	91	6808545	8.393	ppbv	99
71) 2-Chlorotoluene	15.43	91	4885039	8.025	ppbv	98
72) 4-Ethyltoluene	15.81	105	5189547	8.082	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4801042	8.170	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	5089212	8.082	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	3171249	7.910	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	3105624	8.030	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	3097651	7.926	ppbv	98
78) Hexachloro-1,3-Butadiene	23.35	225	1744101	9.564	ppbv	99
79) Naphthalene	22.16	128	4503586	10.260	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	906252	12.669	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2252499	9.185	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

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VL1118ABS01

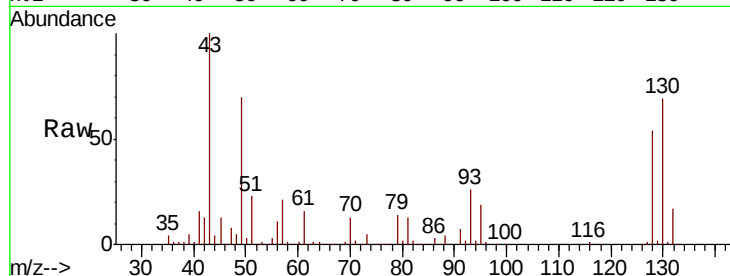
Tot Ion: 49 Resp: 1139716

Ion Ratio Lower Upper

49 100

128 79.4 41.5 124.6

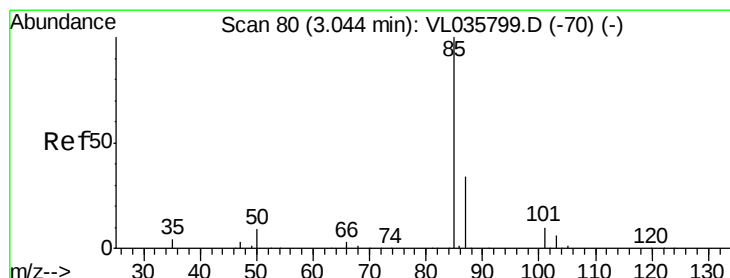
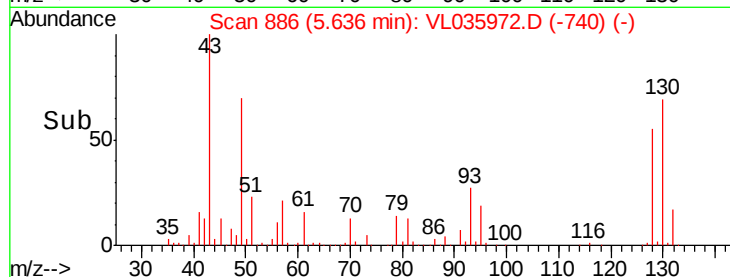
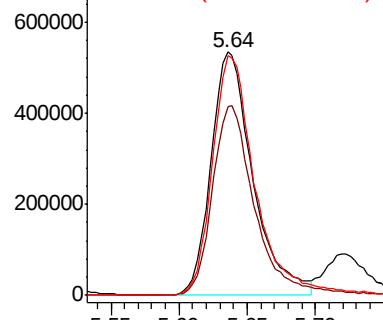
130 101.6 53.7 161.1



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: 7.719 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.02 min

Lab File: VL035972.D

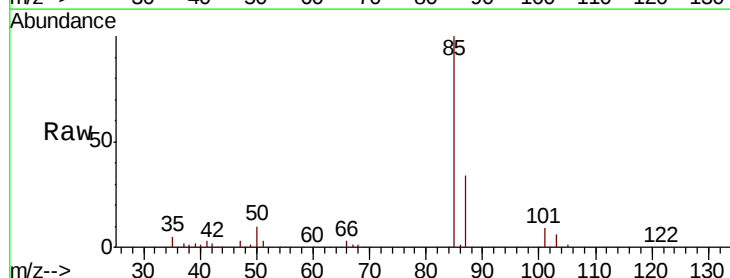
Acq: 18 Nov 2020 12:48

Tgt Ion: 85 Resp: 1656364

Ion Ratio Lower Upper

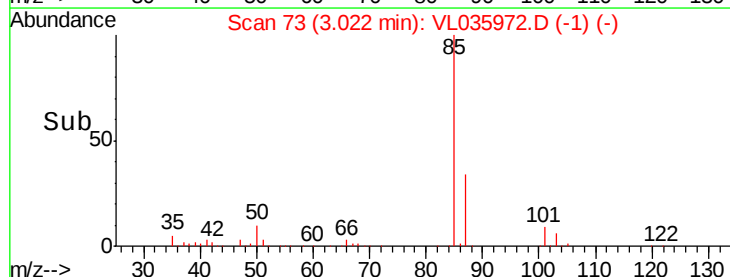
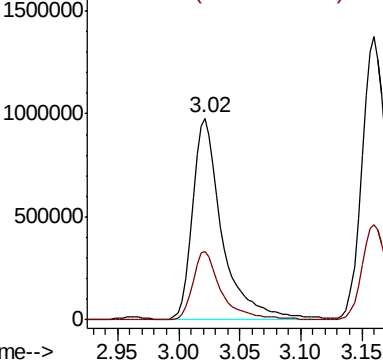
85 100

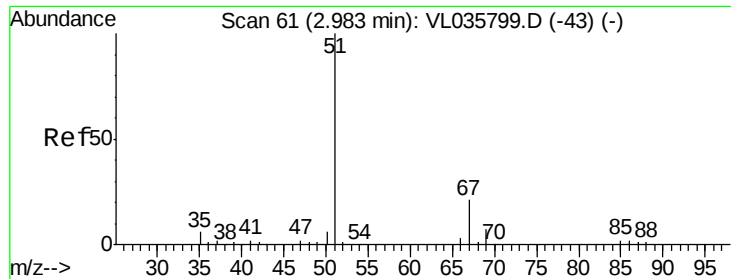
87 34.0 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.546 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.02 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

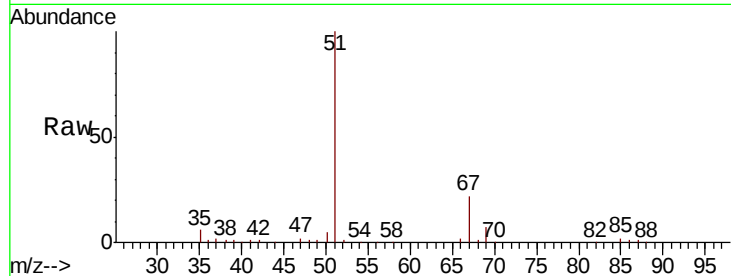
VL1118ABS01

Tot Ion: 51 Resp: 1302913

Ion Ratio Lower Upper

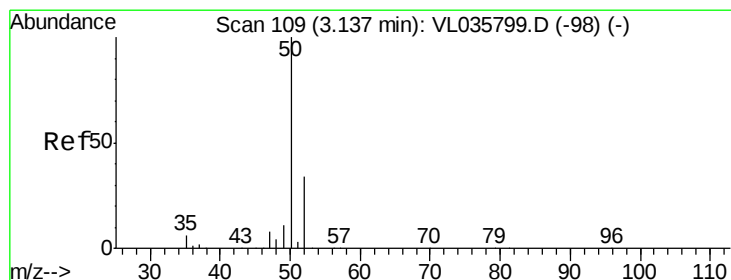
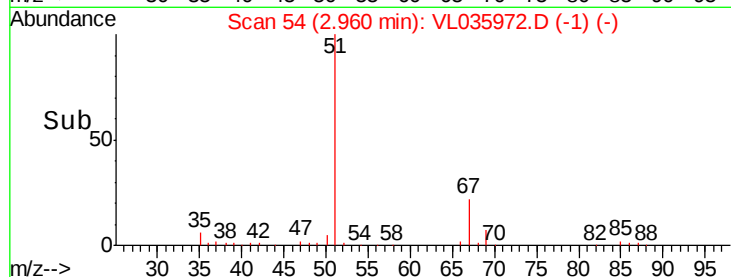
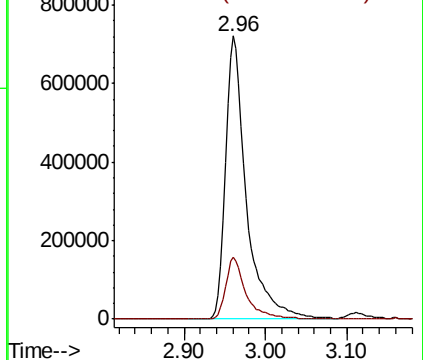
51 100

67 21.4 17.0 25.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.707 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.03 min

Lab File: VL035972.D

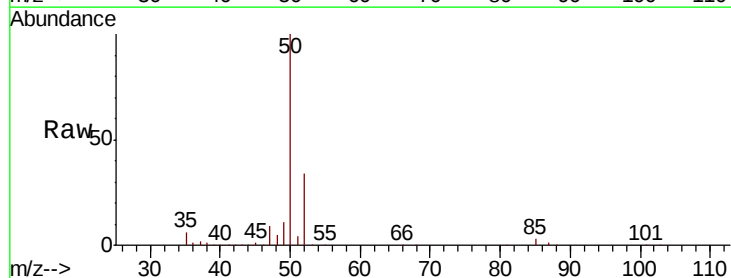
Acq: 18 Nov 2020 12:48

Tgt Ion: 50 Resp: 643595

Ion Ratio Lower Upper

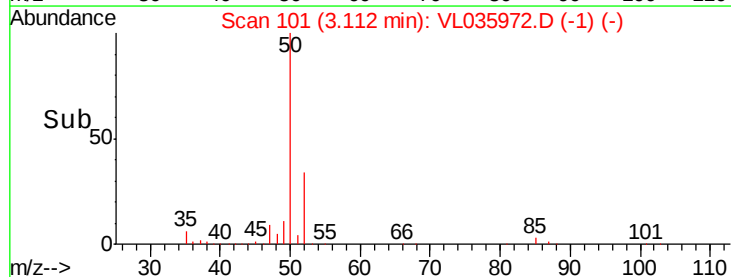
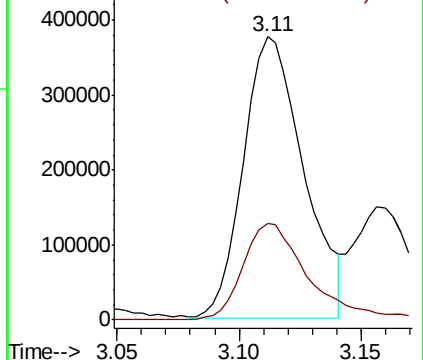
50 100

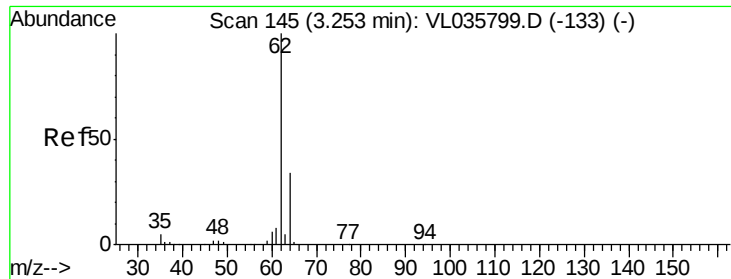
52 34.5 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.617 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

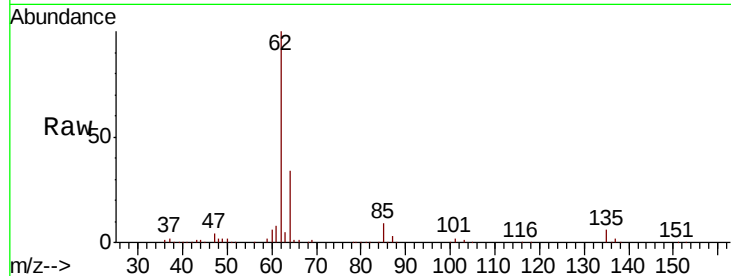
VL1118ABS01

Tot Ion: 62 Resp: 812827

Ion Ratio Lower Upper

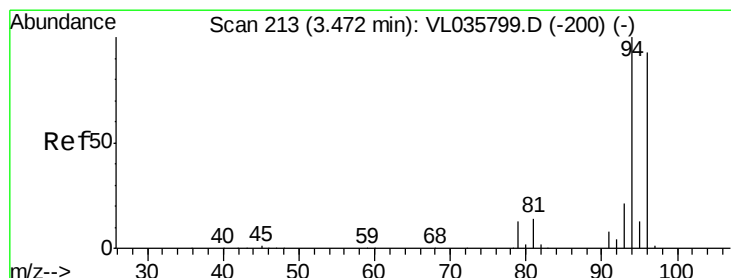
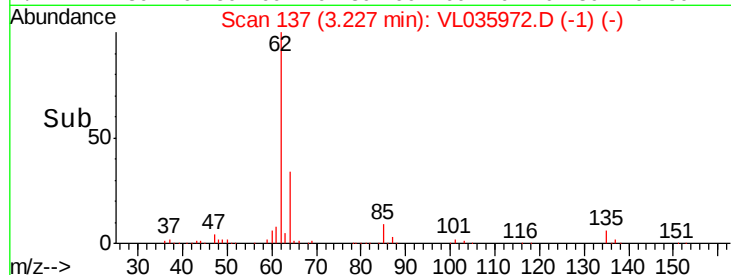
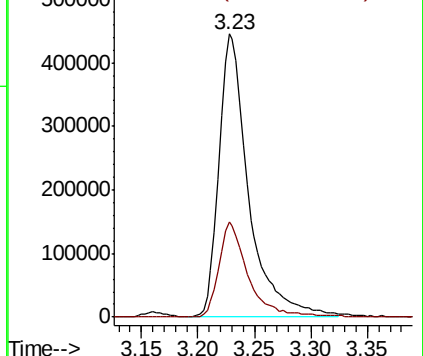
62 100

64 33.9 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.733 ppbv

RT: 3.45 min Scan# 205

Delta R.T. -0.03 min

Lab File: VL035972.D

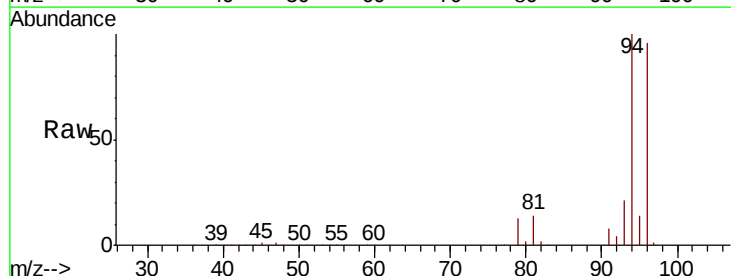
Acq: 18 Nov 2020 12:48

Tgt Ion: 94 Resp: 661576

Ion Ratio Lower Upper

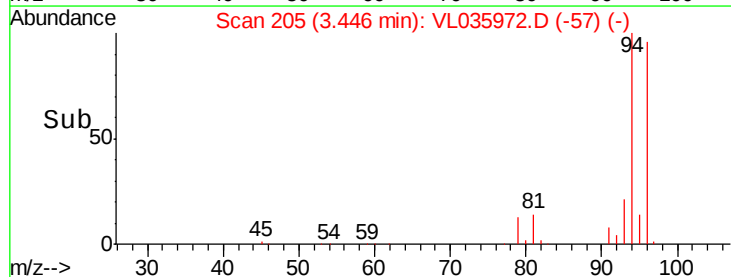
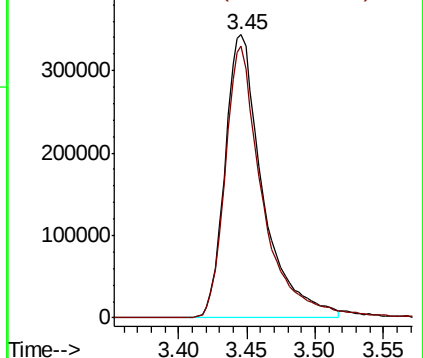
94 100

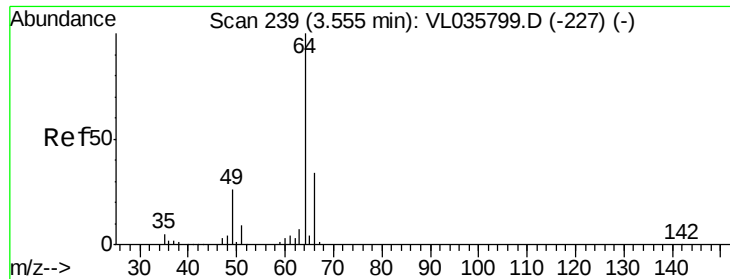
96 96.0 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.070 ppbv

RT: 3.53 min Scan# 230

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

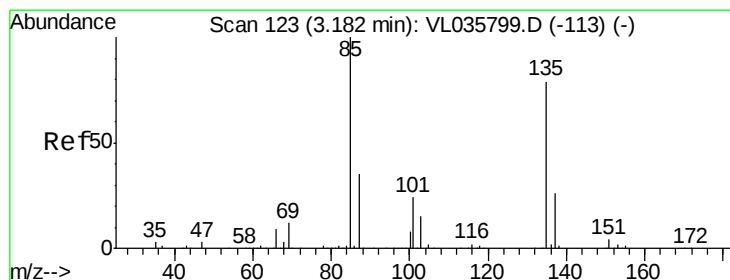
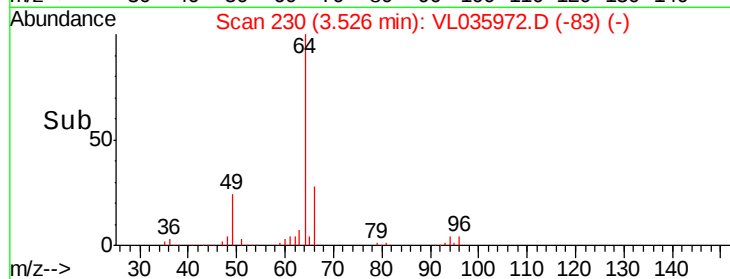
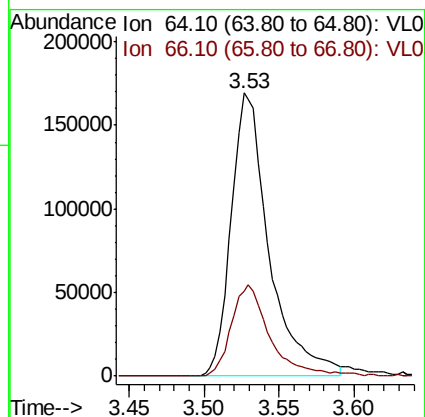
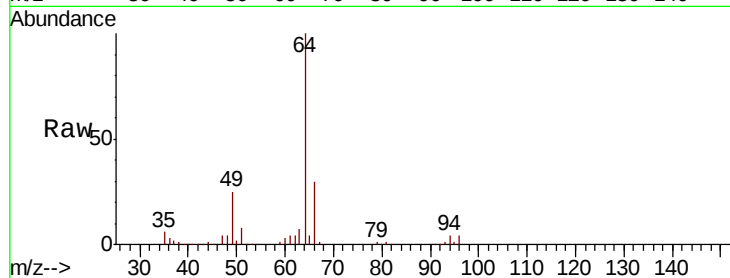
VL1118ABS01

Tot Ion: 64 Resp: 299544

Ion Ratio Lower Upper

64 100

66 30.2 27.0 40.6



#8

Dichlorotetrafluoroethane

Concen: 9.408 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.02 min

Lab File: VL035972.D

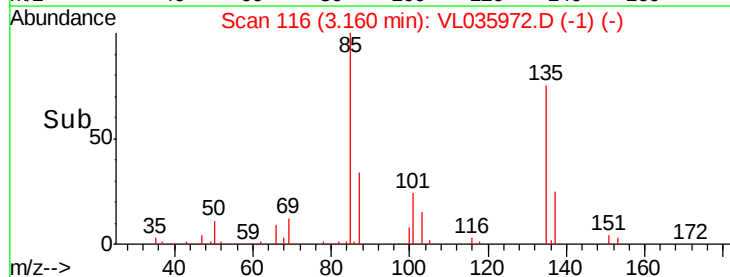
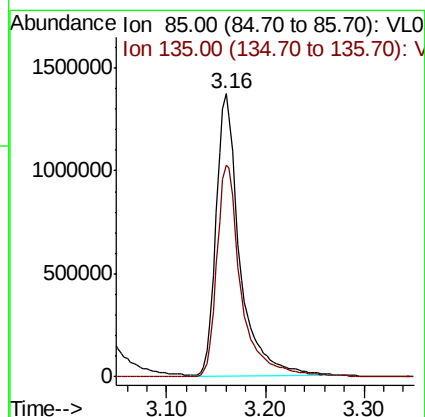
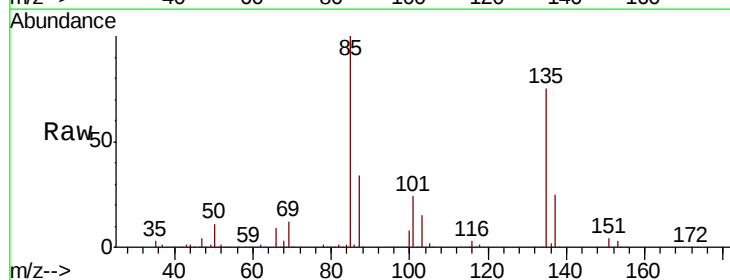
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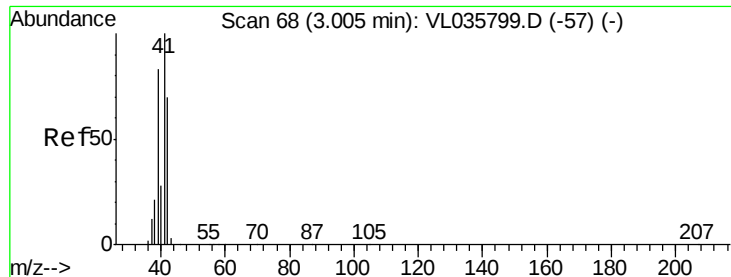
Tgt Ion: 85 Resp: 2310264

Ion Ratio Lower Upper

85 100

135 77.7 64.6 96.8





#9

Propene

Concen: 9.817 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.02 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

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ClientSampleId :

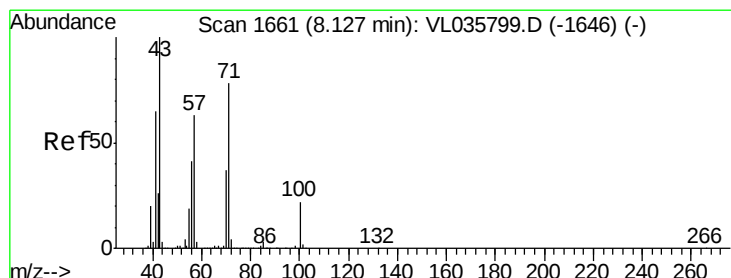
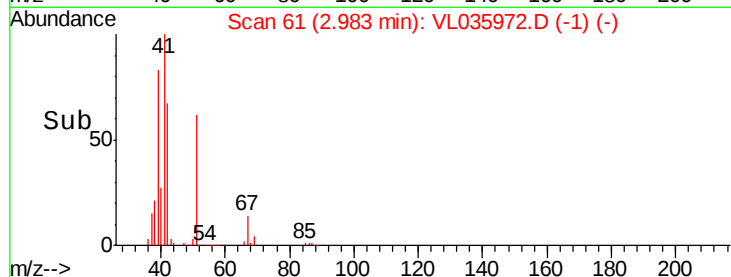
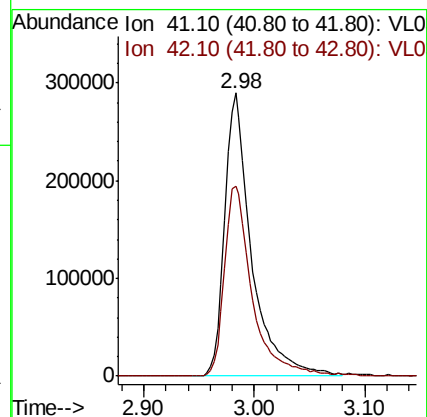
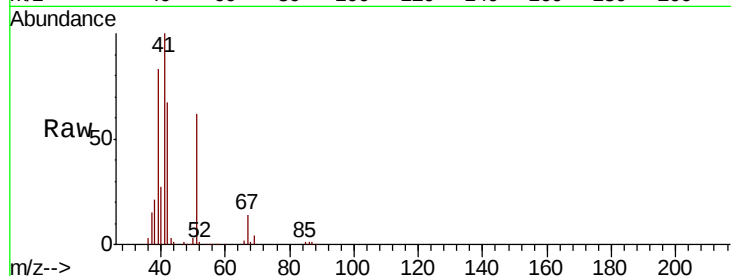
VL1118ABS01

Tot Ion: 41 Resp: 490397

Ion Ratio Lower Upper

41 100

42 69.8 56.2 84.4



#10

Heptane

Concen: 10.446 ppbv

RT: 8.09 min Scan# 1649

Delta R.T. -0.04 min

Lab File: VL035972.D

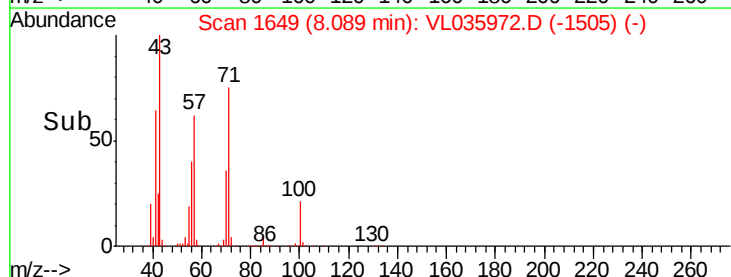
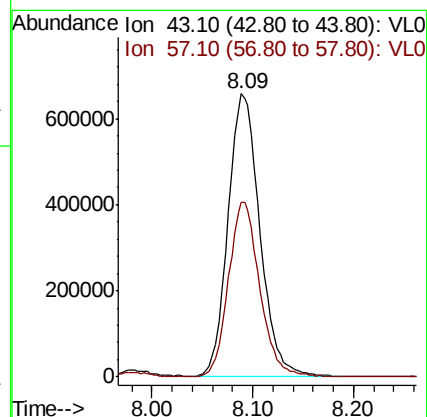
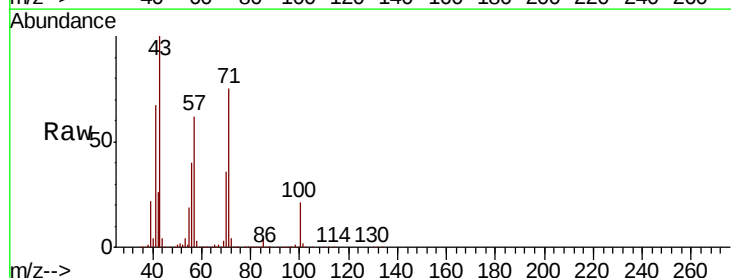
Acq: 18 Nov 2020 12:48

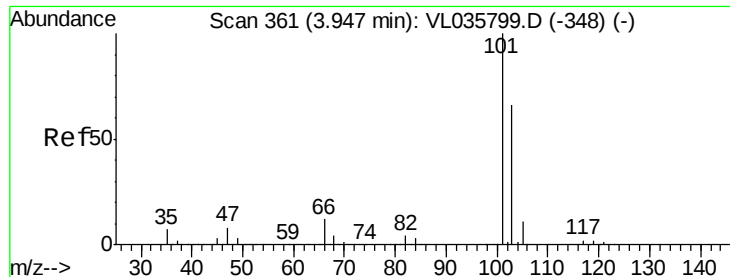
Tgt Ion: 43 Resp: 1441328

Ion Ratio Lower Upper

43 100

57 61.2 50.0 75.0

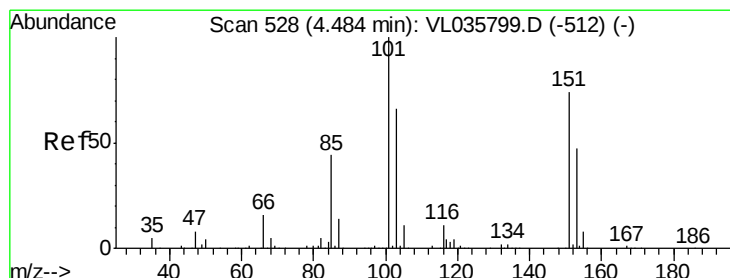
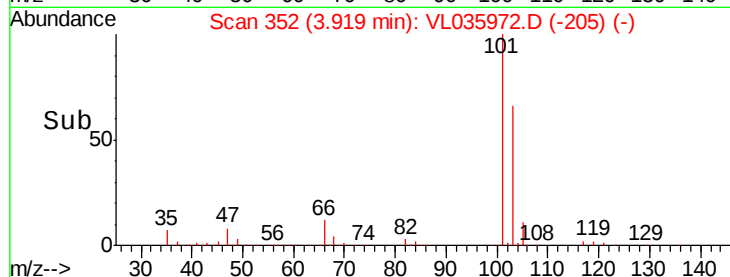
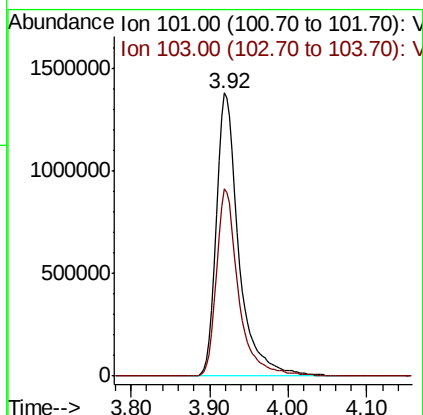
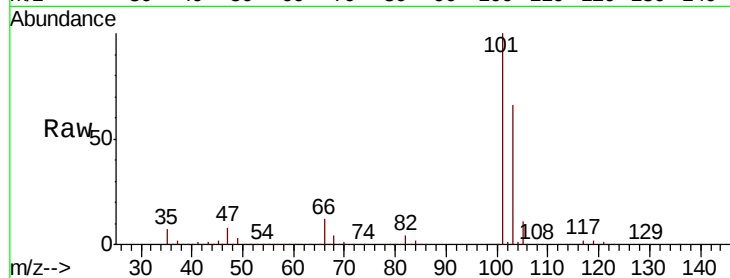




#11
 Trichlorofluoromethane
 Concen: 10.100 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

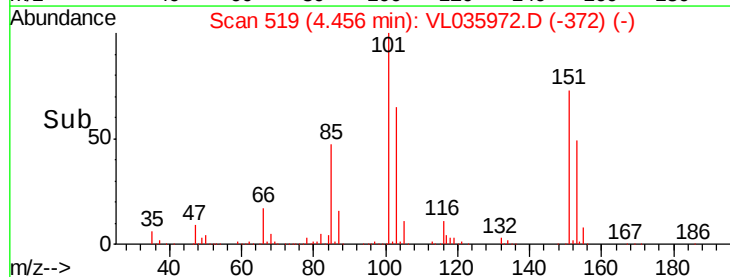
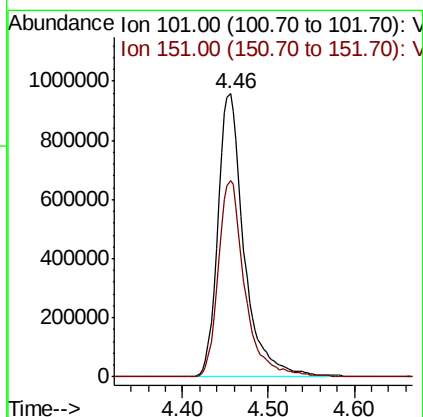
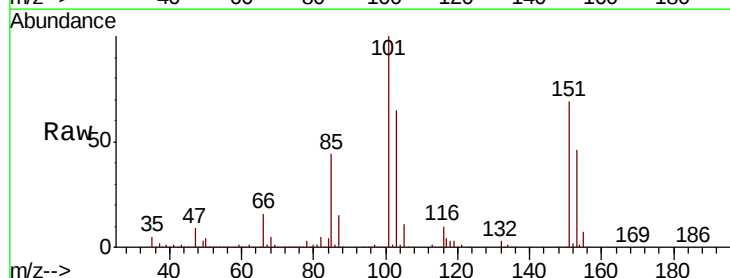
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

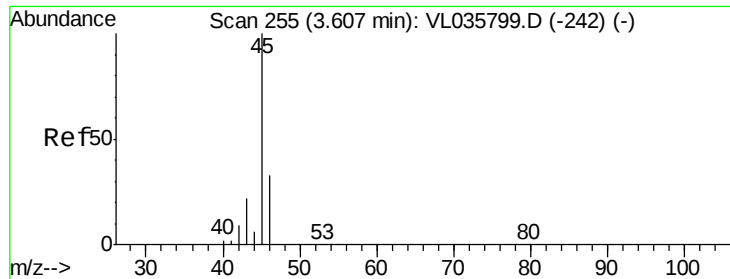
Tot Ion:101 Resp: 2721188
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.138 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion:101 Resp: 2033659
 Ion Ratio Lower Upper
 101 100
 151 70.6 58.9 88.3





#13

Ethanol

Concen: 8.337 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

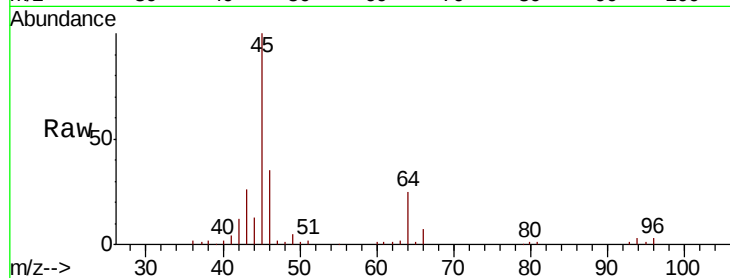
VL1118ABS01

Tot Ion: 45 Resp: 90354

Ion Ratio Lower Upper

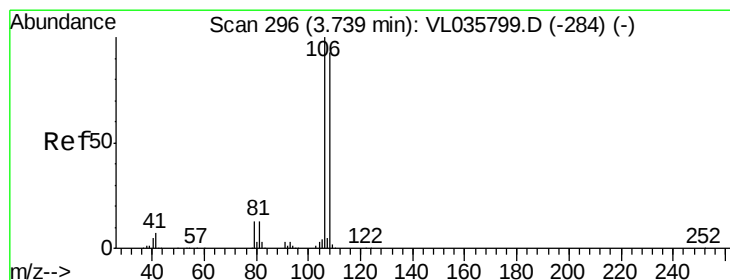
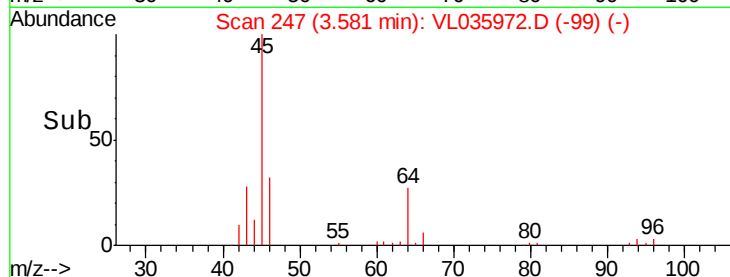
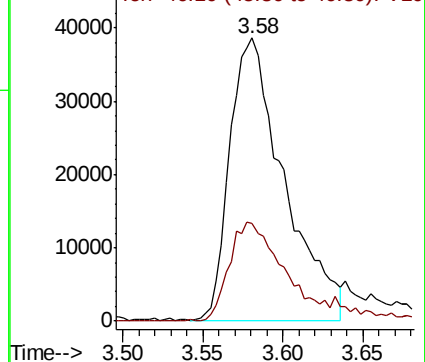
45 100

46 38.2 16.1 64.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.248 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

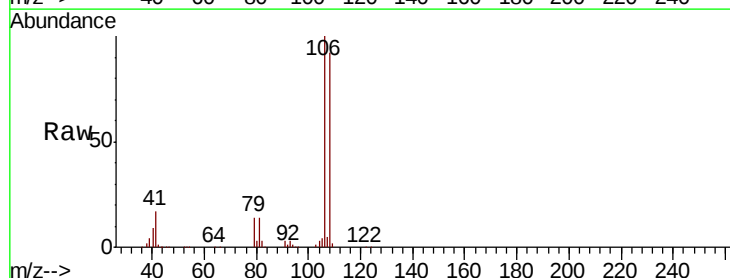
Tgt Ion: 108 Resp: 853756

Ion Ratio Lower Upper

108 100

106 108.8 85.3 127.9

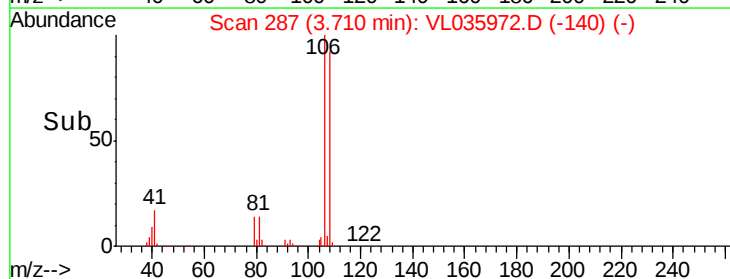
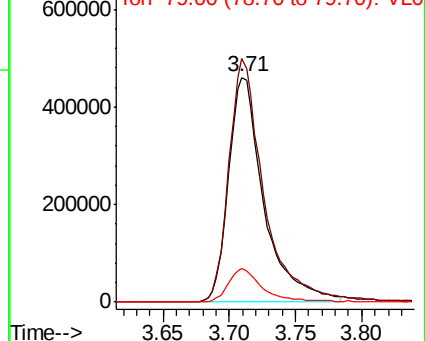
79 15.2 11.6 17.4

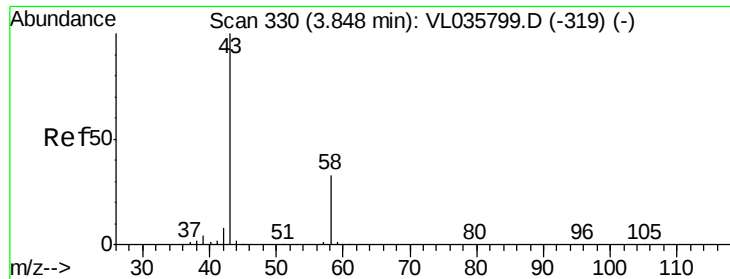


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.489 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

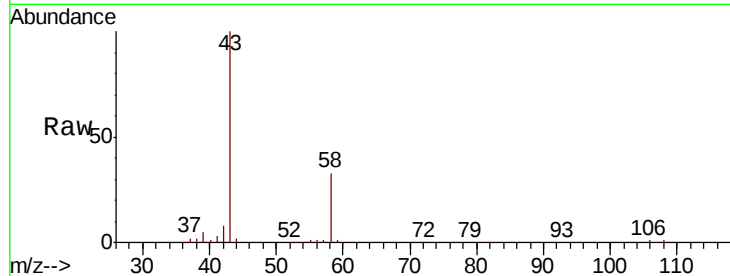
VL1118ABS01

Tot Ion: 43 Resp: 1156145

Ion Ratio Lower Upper

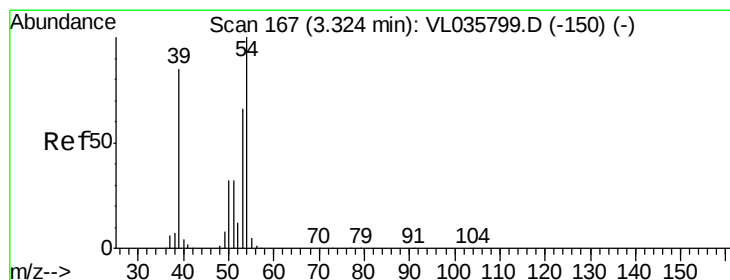
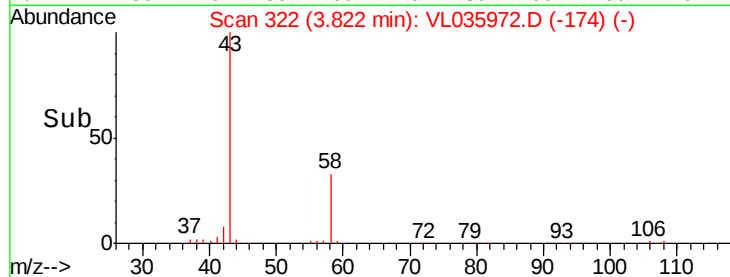
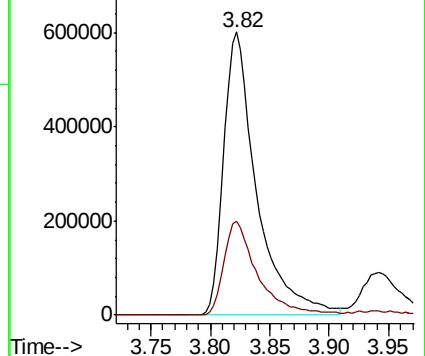
43 100

58 34.0 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.793 ppbv

RT: 3.30 min Scan# 159

Delta R.T. -0.03 min

Lab File: VL035972.D

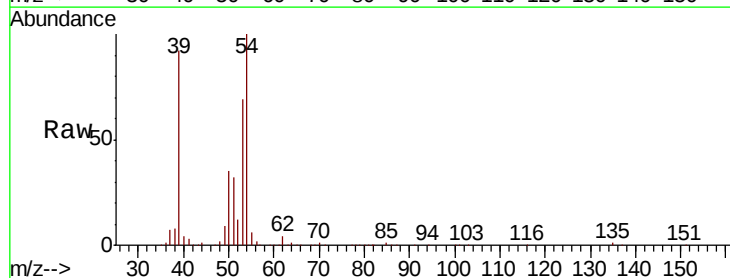
Acq: 18 Nov 2020 12:48

Tgt Ion: 39 Resp: 513720

Ion Ratio Lower Upper

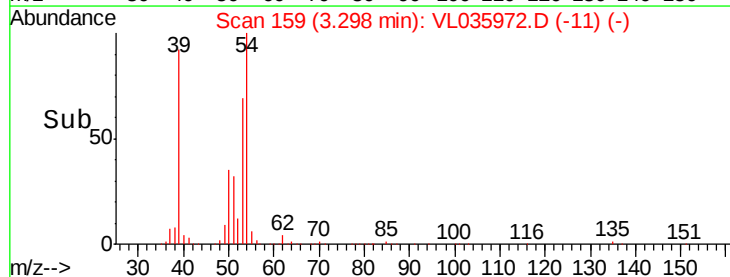
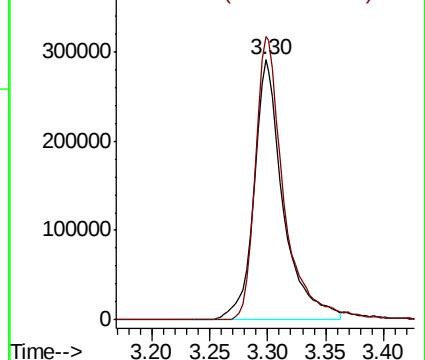
39 100

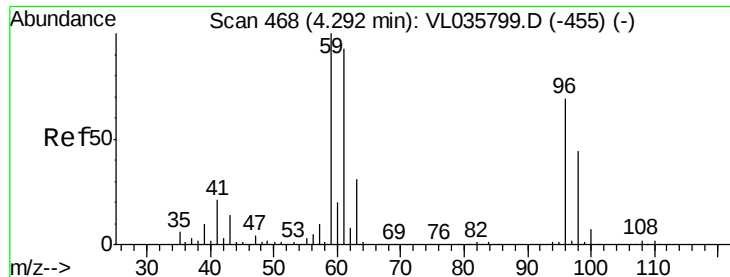
54 108.0 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

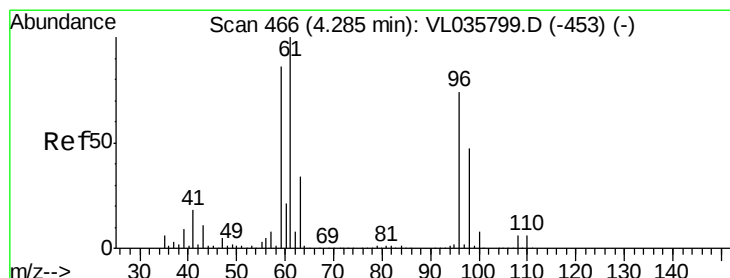
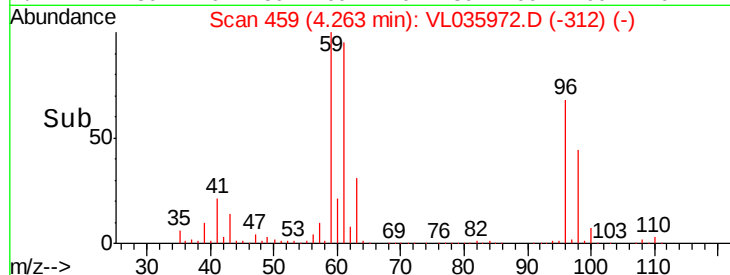
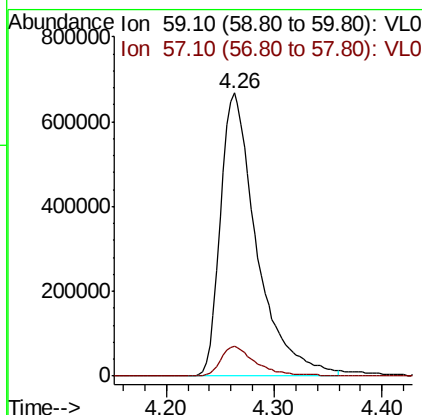
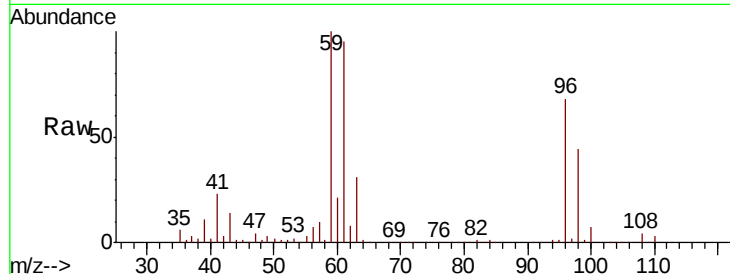




#17
 tert-Butyl alcohol
 Concen: 9.710 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

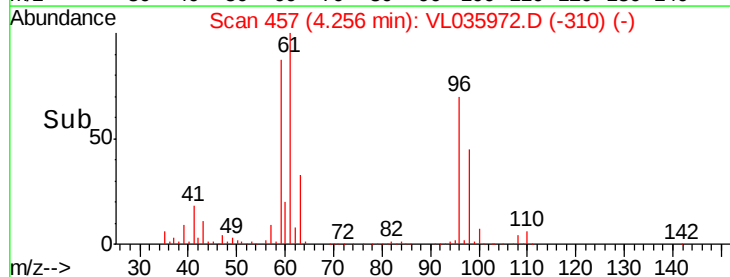
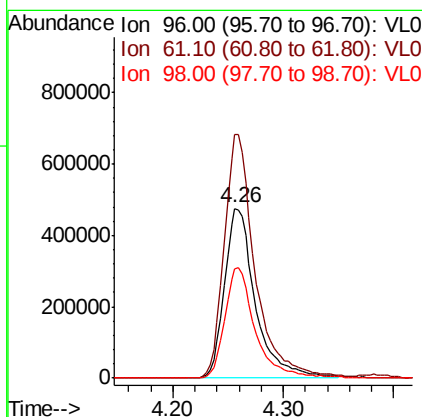
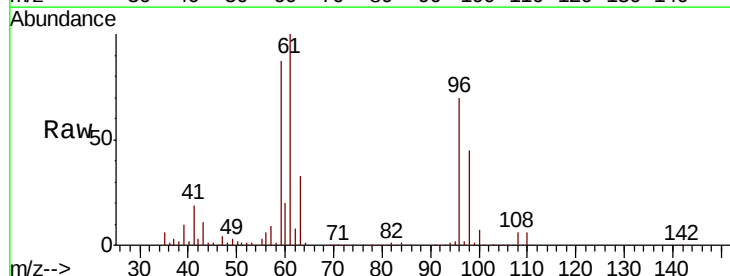
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

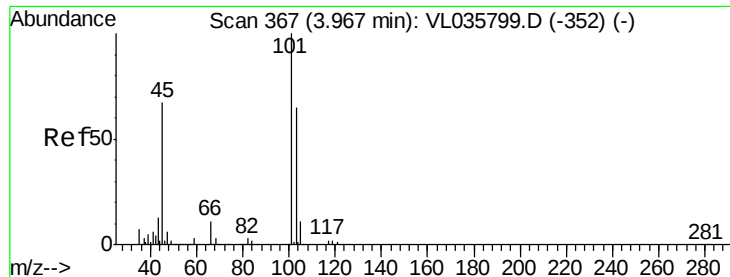
Tot Ion: 59 Resp: 1567962
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4



#18
 1,1-Dichloroethene
 Concen: 10.042 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 96 Resp: 924911
 Ion Ratio Lower Upper
 96 100
 61 143.6 108.5 162.7
 98 64.2 50.7 76.1





#19

Isopropyl Alcohol

Concen: 9.764 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

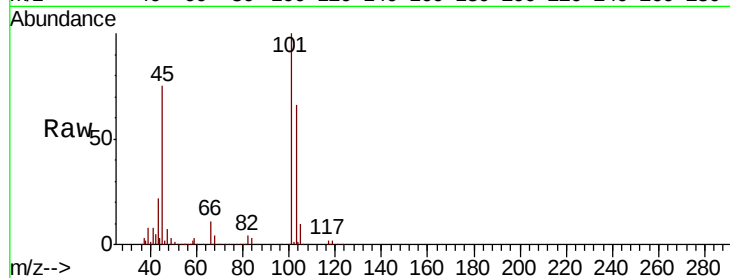
VL1118ABS01

Tot Ion: 45 Resp: 731079

Ion Ratio Lower Upper

45 100

58 3.6 2.6 3.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

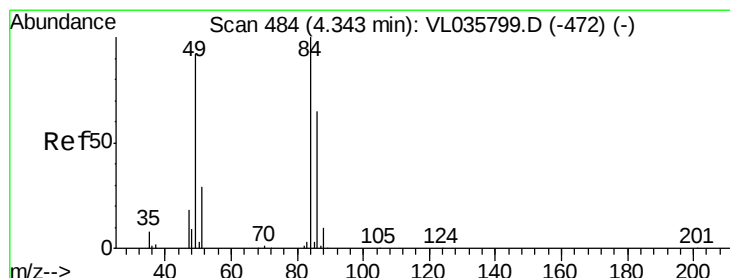
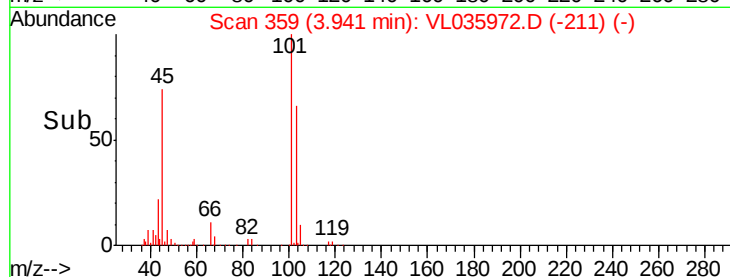
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.886 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion: 84 Resp: 762189

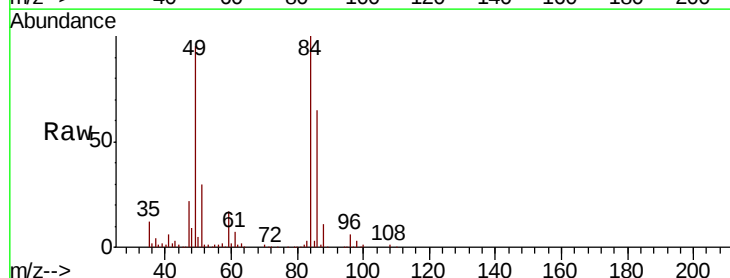
Ion Ratio Lower Upper

84 100

49 93.7 73.8 110.8

51 29.9 23.0 34.4

86 65.5 52.1 78.1



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

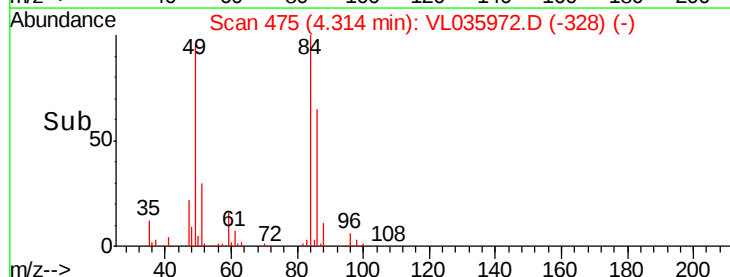
300000

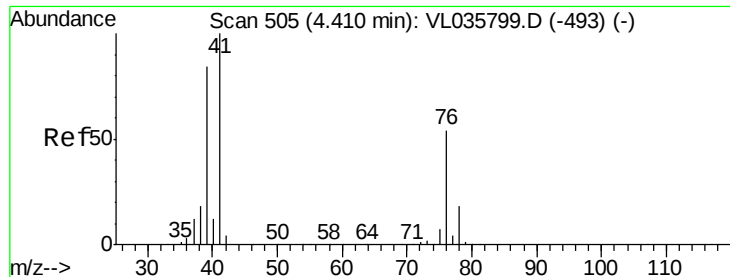
200000

100000

0

Time-->





#21

Allvl Chloride

Concen: 10.341 ppbv

RT: 4.38 min Scan# 496

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

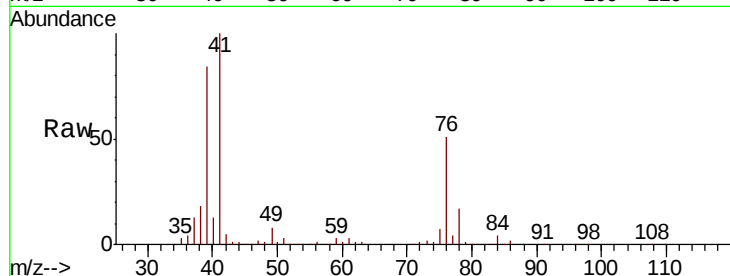
Tot Ion: 41 Resp: 681418

Ion Ratio Lower Upper

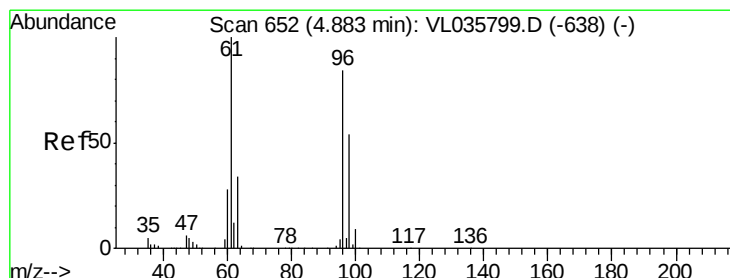
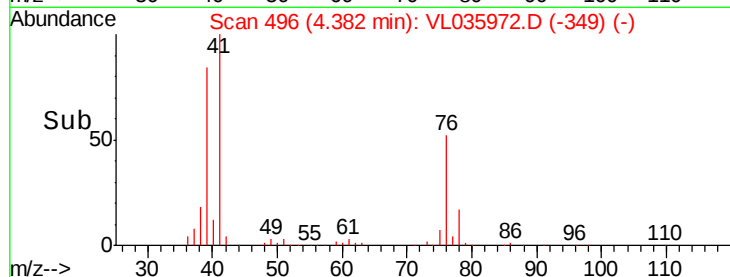
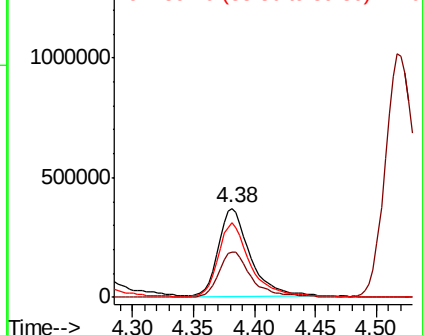
41 100

76 52.8 42.6 63.8

39 84.1 67.0 100.4



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.033 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

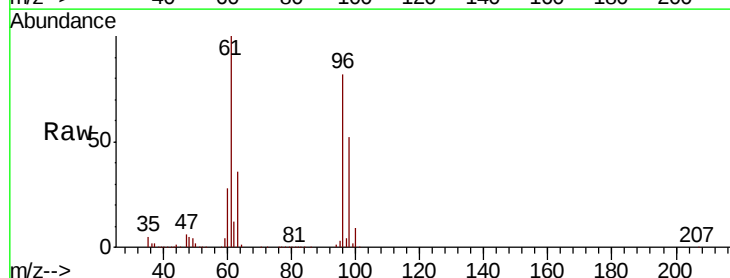
Tgt Ion: 96 Resp: 936758

Ion Ratio Lower Upper

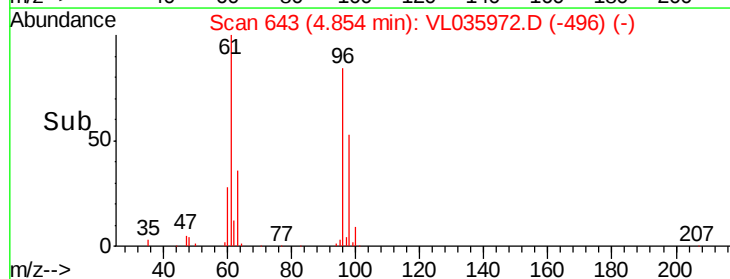
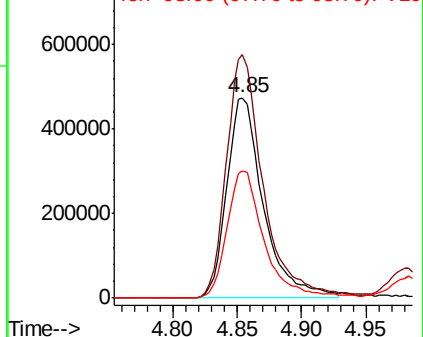
96 100

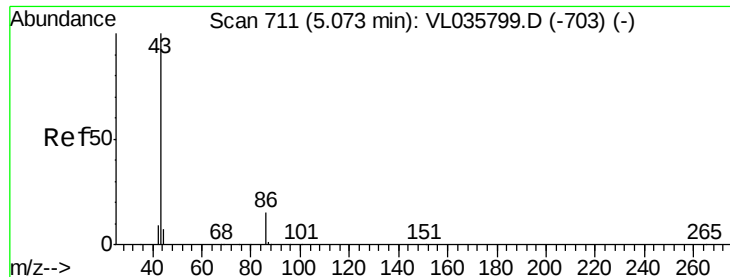
61 121.4 95.4 143.0

98 63.2 51.8 77.6



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



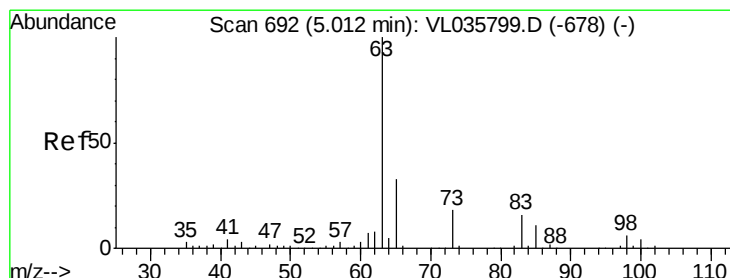
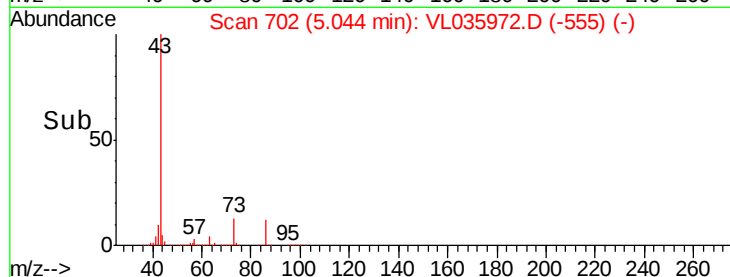
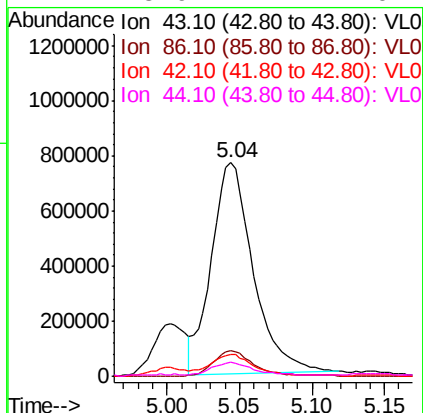
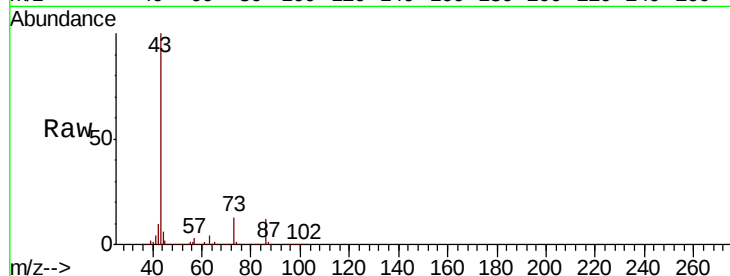


#23
 Vinyl Acetate
 Concen: 8.952 ppbv
 RT: 5.04 min Scan# 702
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion: 43 Resp: 1529003

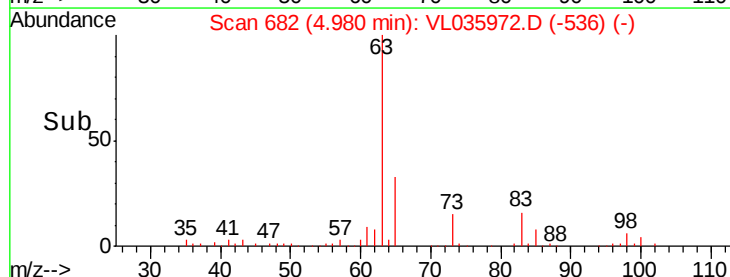
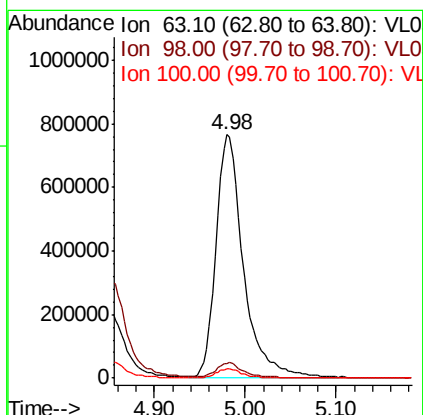
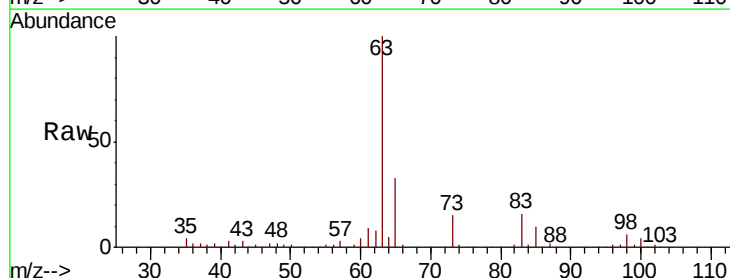
Ion	Ratio	Lower	Upper
43	100		
86	12.1	9.8	14.6
42	9.8	8.1	12.1
44	5.9	4.2	6.4

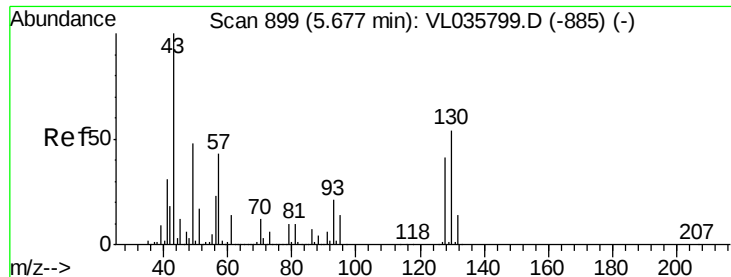


#24
 1,1-Dichloroethane
 Concen: 9.751 ppbv
 RT: 4.98 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 63 Resp: 1586717

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.2
100	3.8	1.8	5.4





#25

Ethyl Acetate

Concen: 10.037 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion: 43 Resp: 2409381

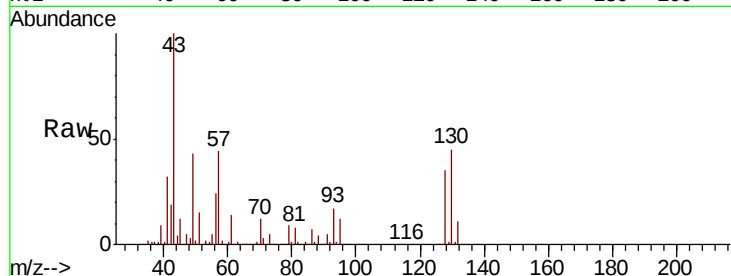
Ion Ratio Lower Upper

43 100

45 10.9 8.5 12.7

61 13.3 10.7 16.1

70 10.3 8.6 12.8

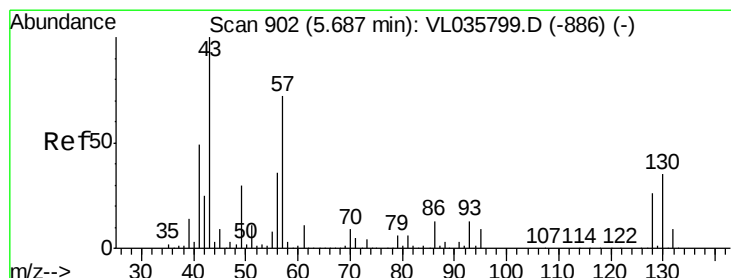
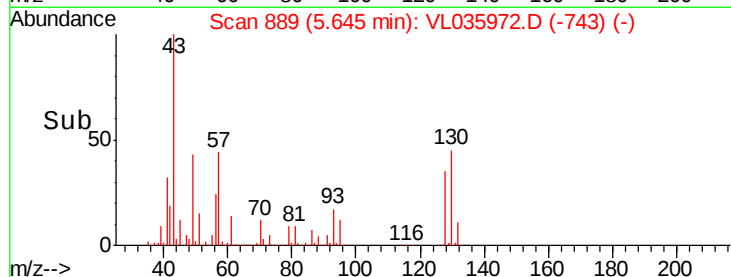
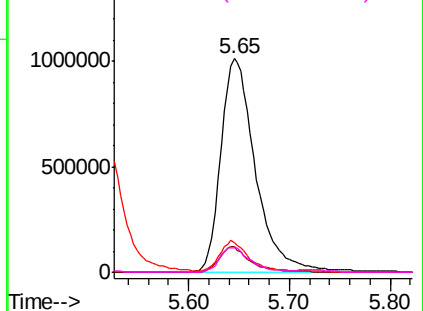


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.518 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion: 57 Resp: 1259964

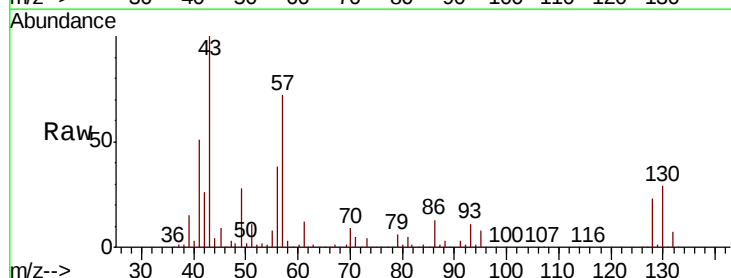
Ion Ratio Lower Upper

57 100

41 75.8 58.9 88.3

43 193.1 150.2 225.2

56 54.5 42.4 63.6

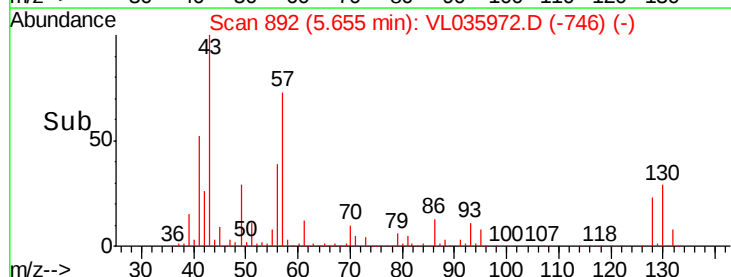
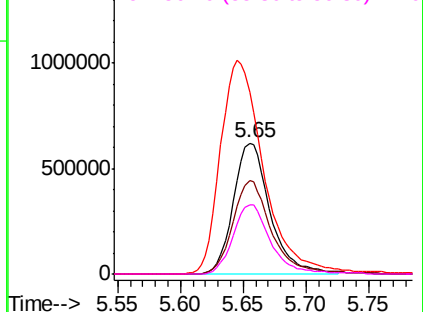


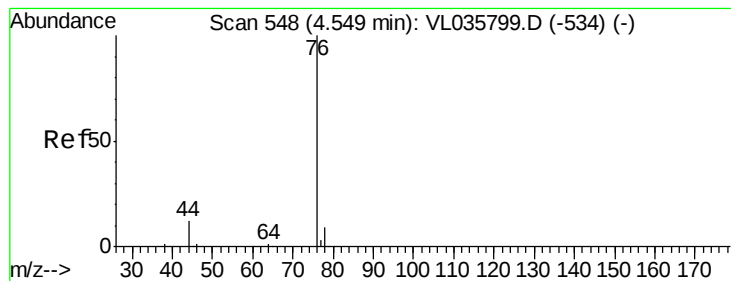
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.300 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

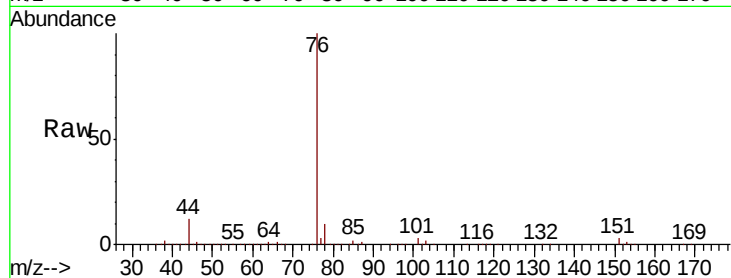
Tot Ion: 76 Resp: 2043055

Ion Ratio Lower Upper

76 100

44 12.1 9.9 14.9

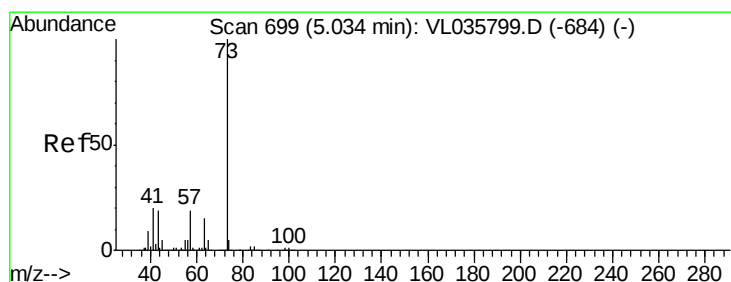
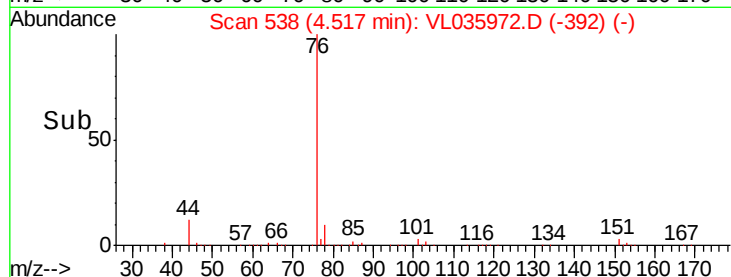
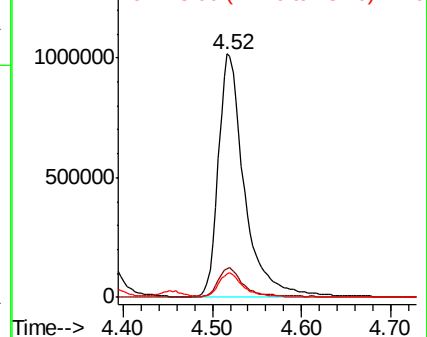
78 10.0 8.1 12.1



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: 8.925 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.03 min

Lab File: VL035972.D

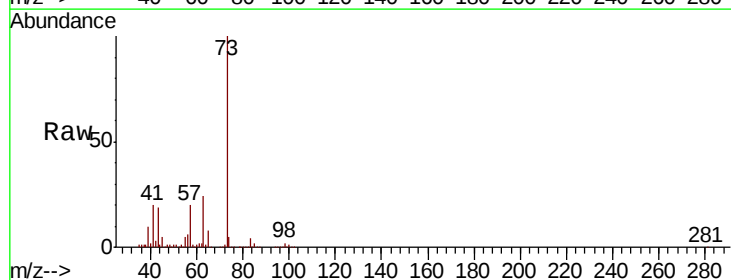
Acq: 18 Nov 2020 12:48

Tgt Ion: 73 Resp: 2121724

Ion Ratio Lower Upper

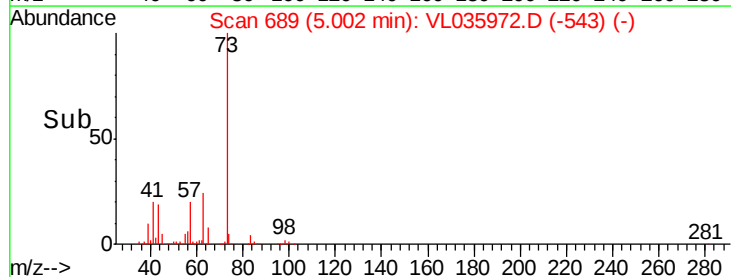
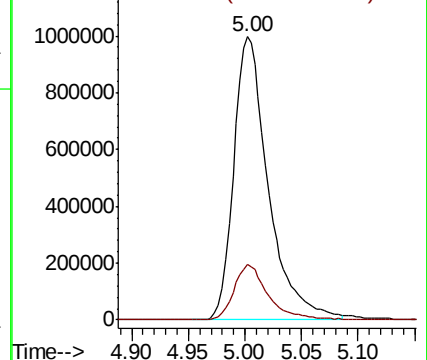
73 100

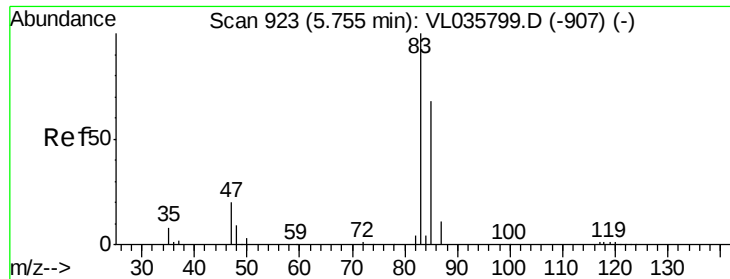
57 19.4 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

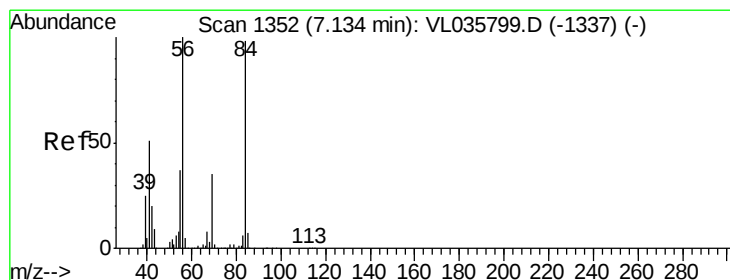
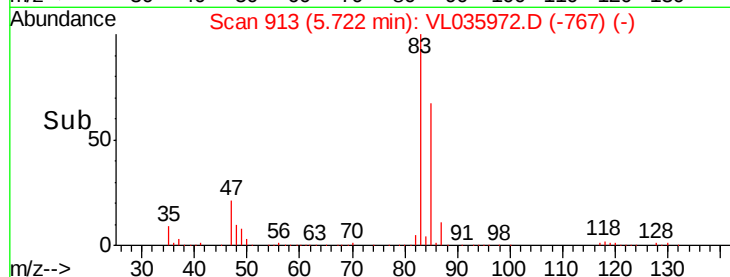
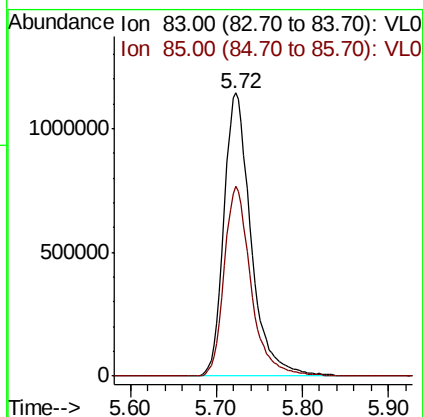
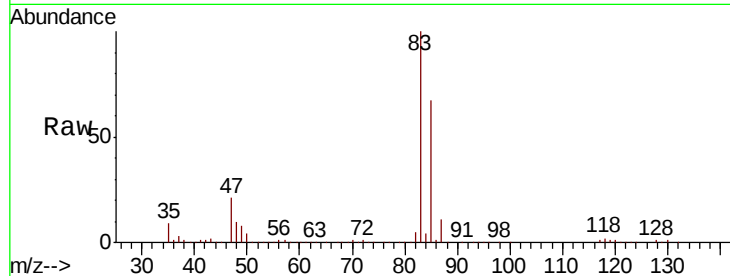




#29
Chloroform
Concen: 9.617 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.03 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

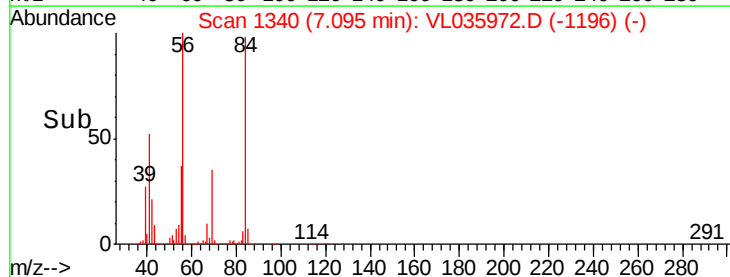
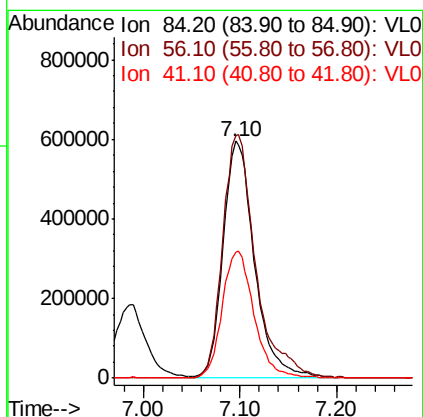
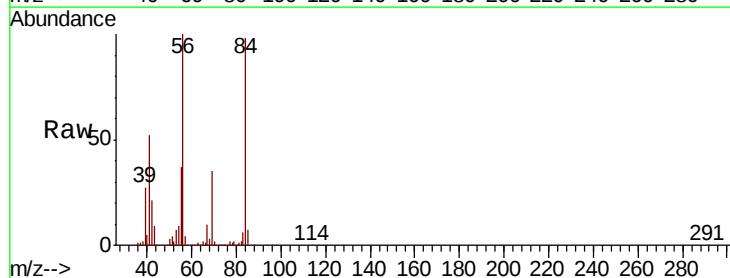
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

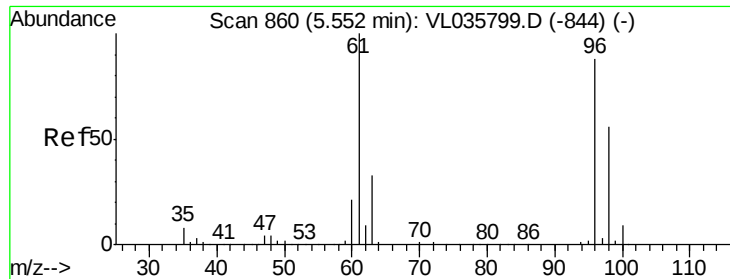
Tot Ion: 83 Resp: 2502187
Ion Ratio Lower Upper
83 100
85 66.7 54.6 81.8



#30
Cyclohexane
Concen: 9.239 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 84 Resp: 1332011
Ion Ratio Lower Upper
84 100
56 109.4 86.4 129.6
41 55.2 42.1 63.1



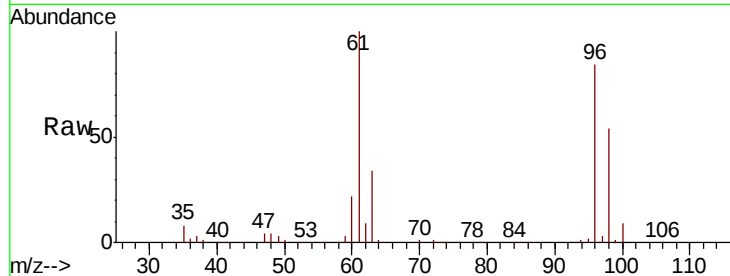


#31

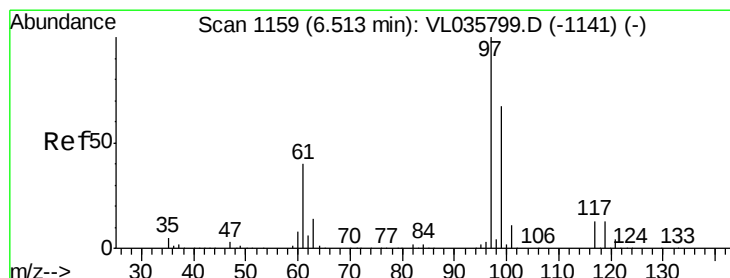
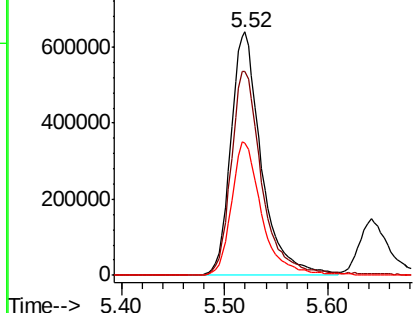
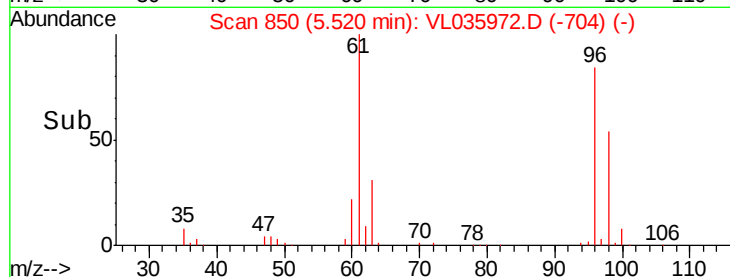
cis-1,2-Dichloroethene
 Concen: 9.666 ppbv
 RT: 5.52 min Scan# 850
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion: 61 Resp: 1316299
 Ion Ratio Lower Upper
 61 100
 96 83.5 70.3 105.5
 98 54.1 45.0 67.6



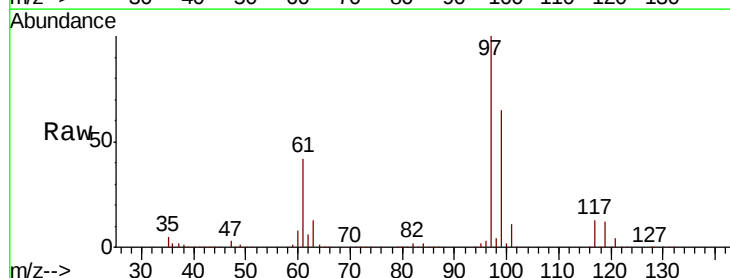
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



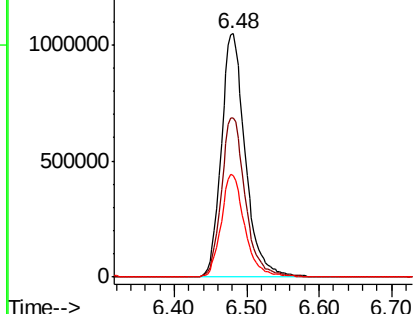
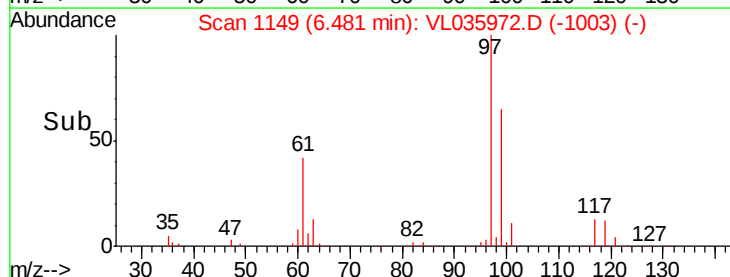
#32

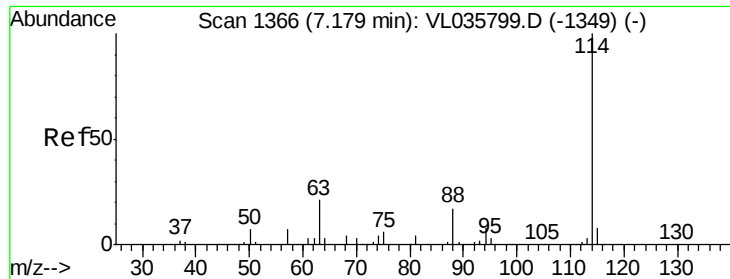
1,1,1-Trichloroethane
 Concen: 8.859 ppbv
 RT: 6.48 min Scan# 1149
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 97 Resp: 2405479
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.3 78.5
 61 41.7 32.0 48.0



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

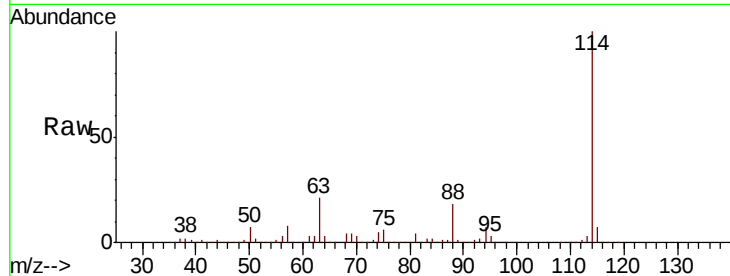




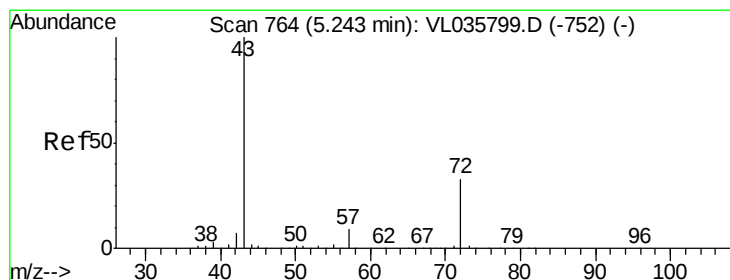
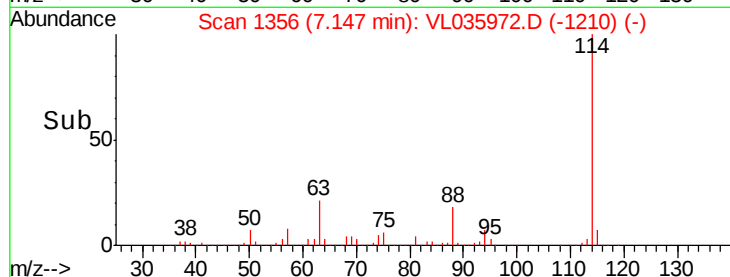
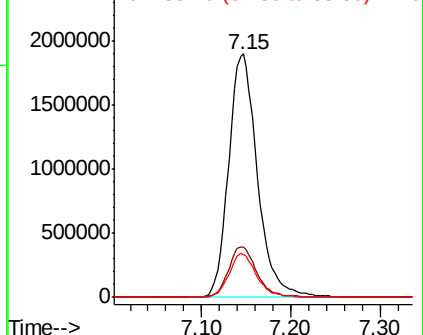
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion:114 Resp: 4243636
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.1 24.1
 88 17.3 13.7 20.5

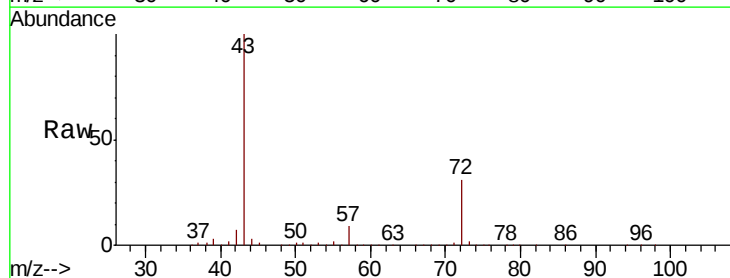


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

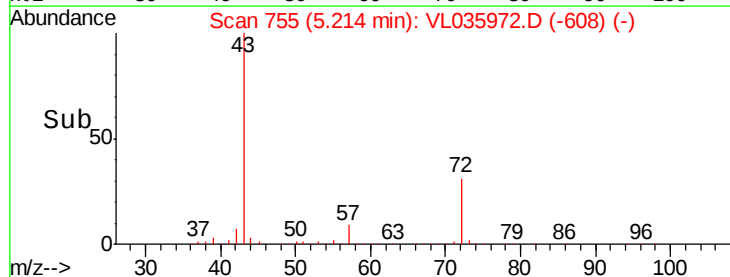
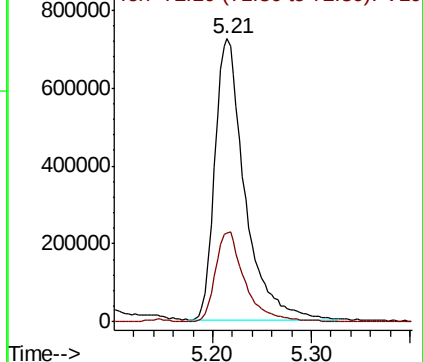


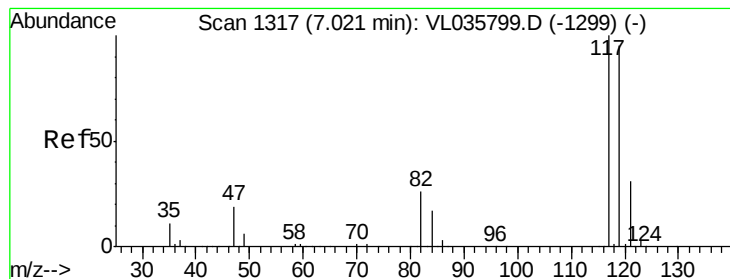
#34
 2-Butanone
 Concen: 11.074 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 43 Resp: 1525162
 Ion Ratio Lower Upper
 43 100
 72 32.1 26.5 39.7



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





#35

Carbon Tetrachloride

Concen: 10.560 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

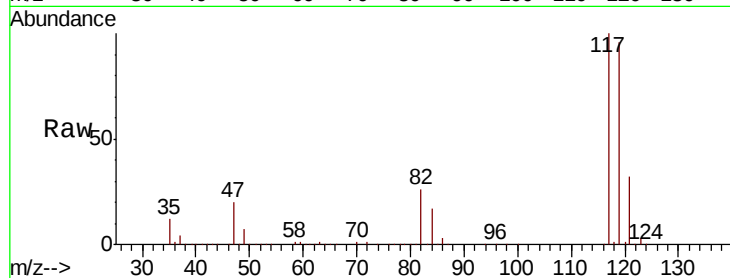
Tot Ion:117 Resp: 2394442

Ion Ratio Lower Upper

117 100

119 95.7 75.6 113.4

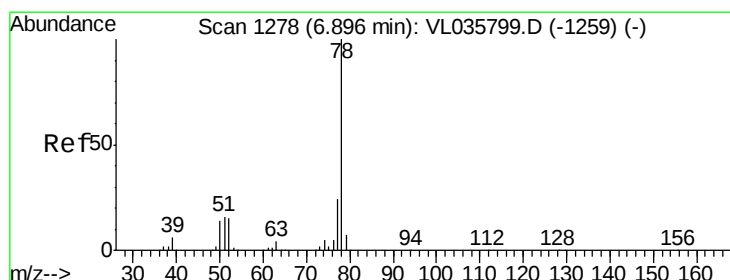
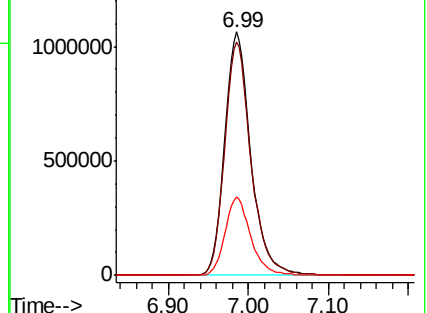
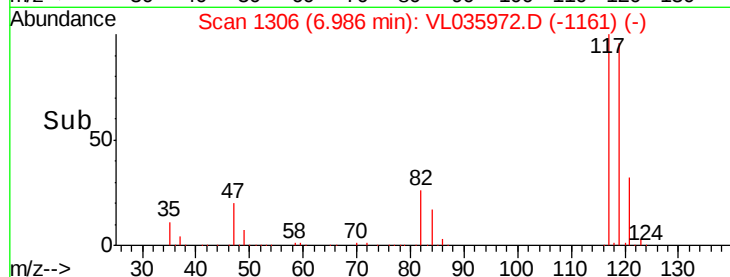
121 32.1 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.951 ppbv

RT: 6.86 min Scan# 1267

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

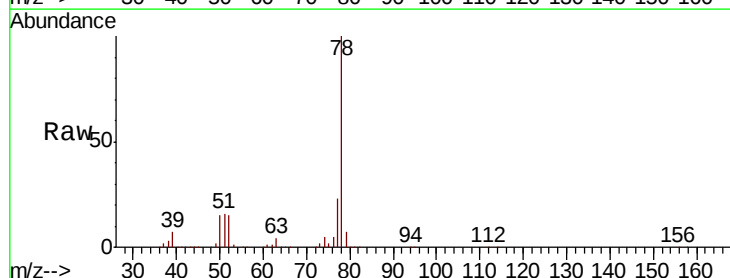
Tgt Ion: 78 Resp: 3139361

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9

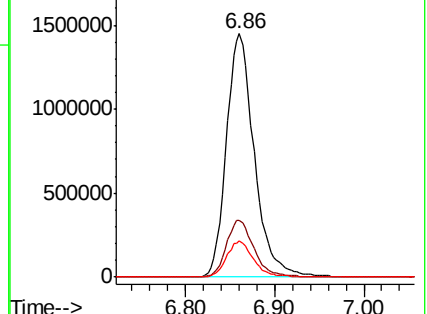
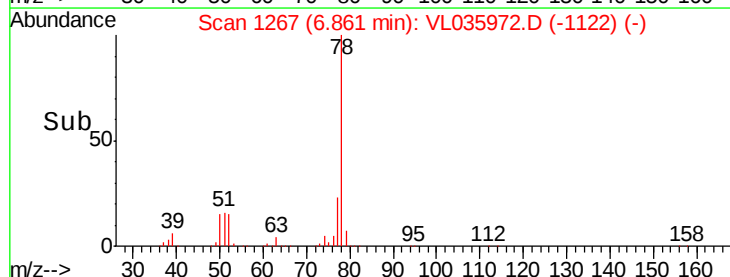
50 14.8 11.4 17.2

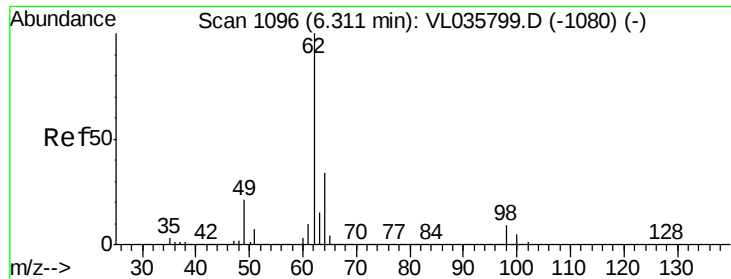


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

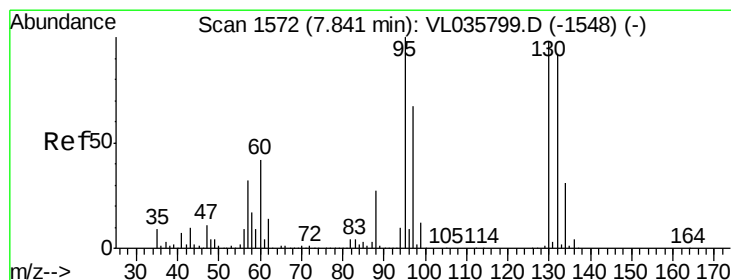
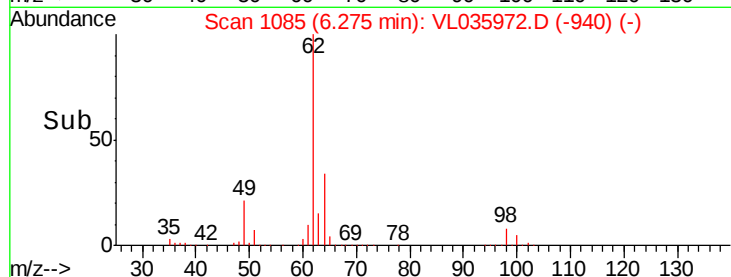
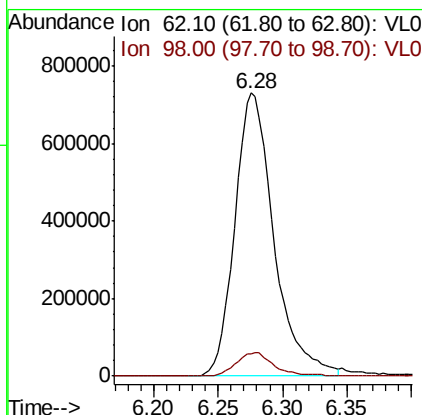
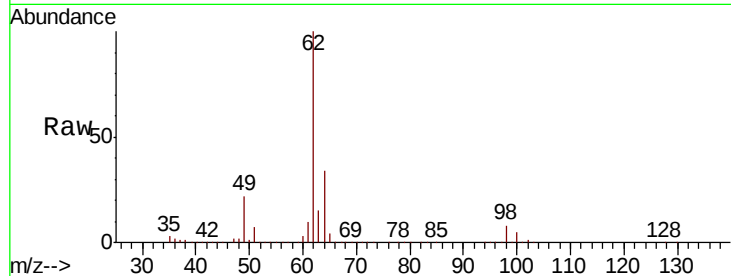




#37
 1,2-Dichloroethane
 Concen: 10.772 ppbv
 RT: 6.28 min Scan# 1085
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

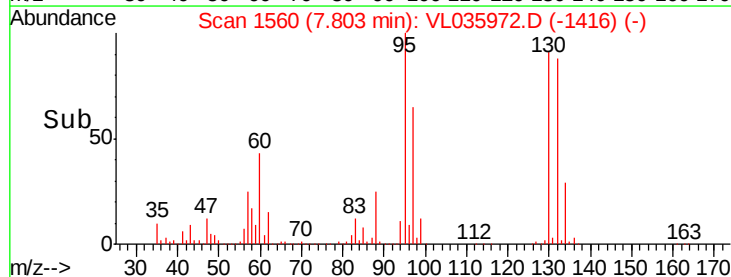
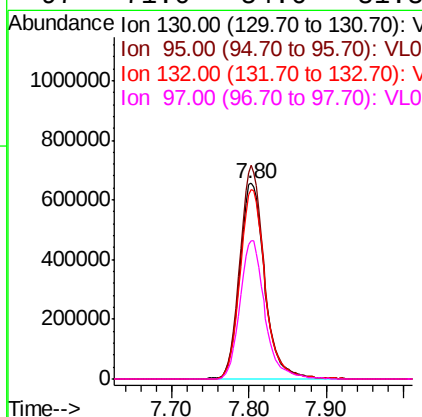
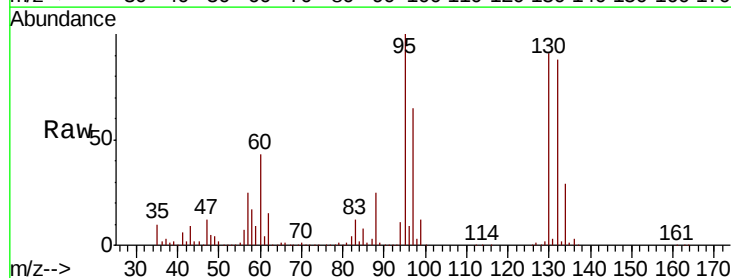
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

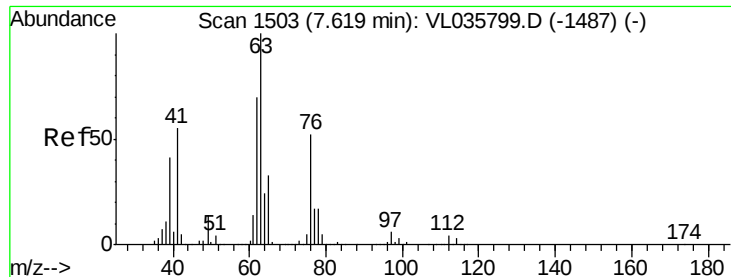
Tot Ion: 62 Resp: 1539622
 Ion Ratio Lower Upper
 62 100
 98 8.3 6.9 10.3



#38
 Trichloroethene
 Concen: 9.521 ppbv
 RT: 7.80 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion:130 Resp: 1467164
 Ion Ratio Lower Upper
 130 100
 95 109.3 81.6 122.4
 132 96.7 75.1 112.7
 97 71.0 54.6 81.8



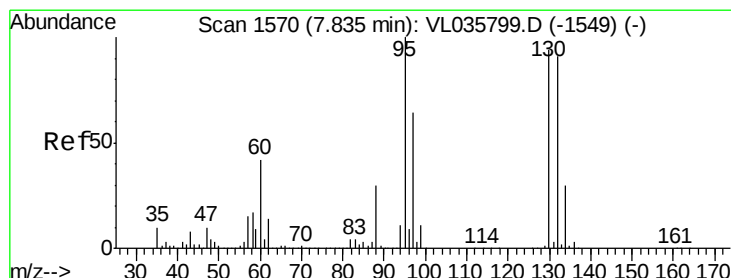
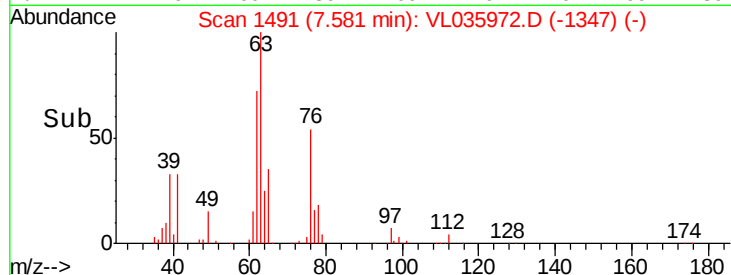
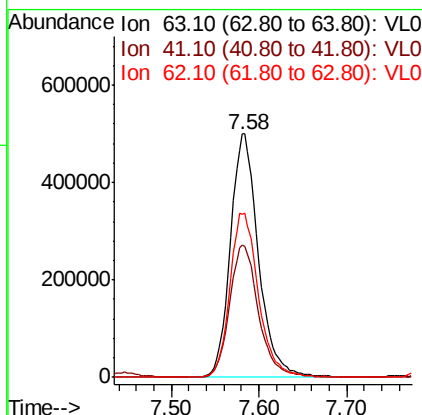
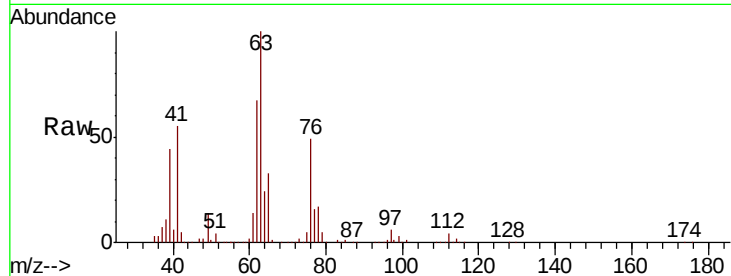


#39
 1,2-Dichloropropane
 Concen: 10.473 ppbv
 RT: 7.58 min Scan# 1491
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion: 63 Resp: 1112376

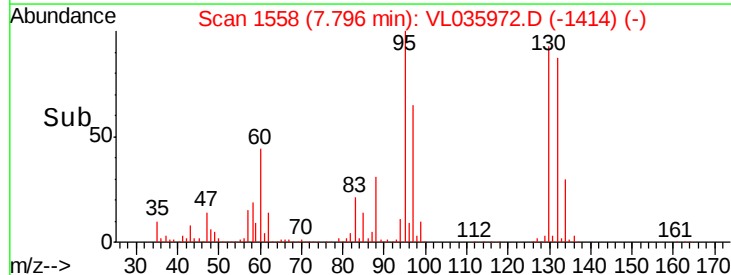
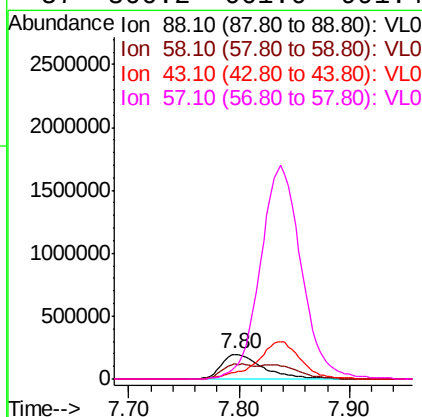
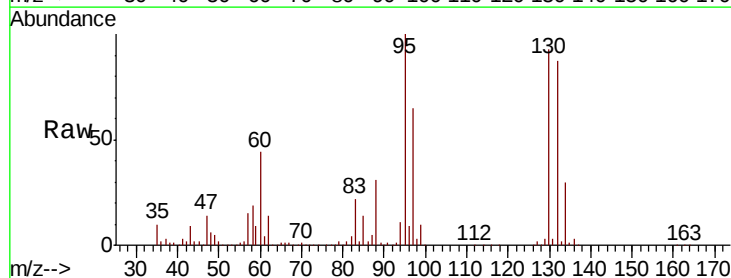
Ion	Ratio	Lower	Upper
63	100		
41	54.4	43.8	65.6
62	67.0	56.2	84.2

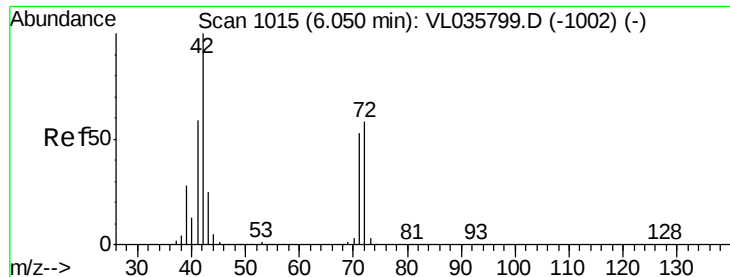


#40
 1,4-Dioxane
 Concen: 10.052 ppbv
 RT: 7.80 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 88 Resp: 506006

Ion	Ratio	Lower	Upper
88	100		
58	101.3	76.2	114.2
43	162.8	123.1	184.7
57	866.2	661.0	991.4





#41

Tetrahydrofuran

Concen: 11.289 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

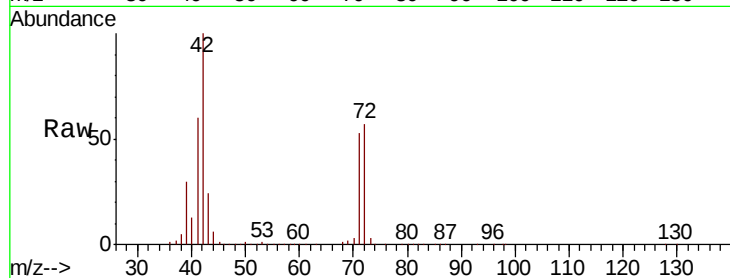
Tot Ion: 42 Resp: 883287

Ion Ratio Lower Upper

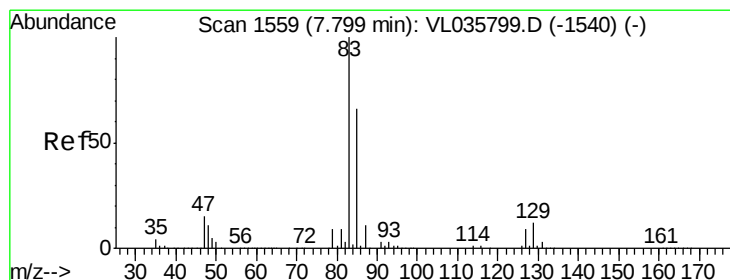
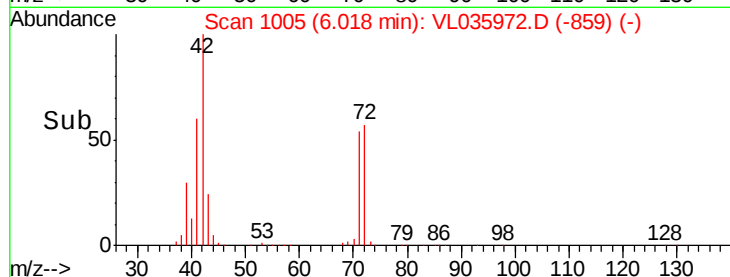
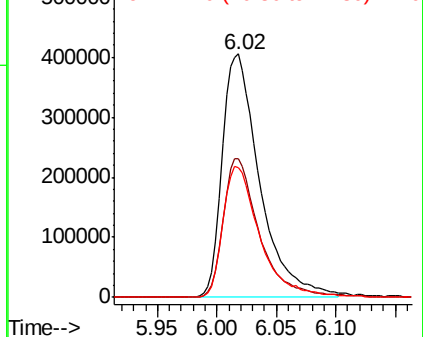
42 100

72 55.5 45.4 68.0

71 53.4 43.4 65.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.712 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

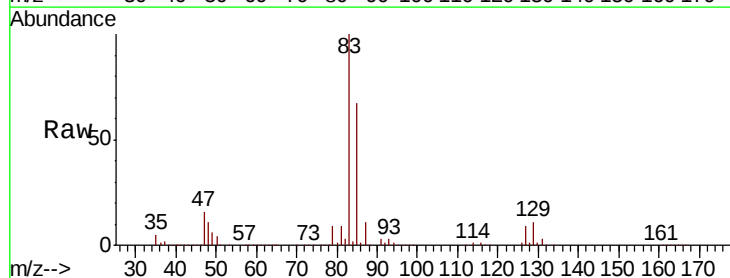
Tgt Ion: 83 Resp: 2583299

Ion Ratio Lower Upper

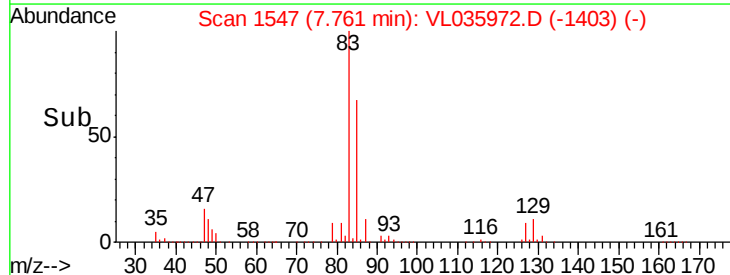
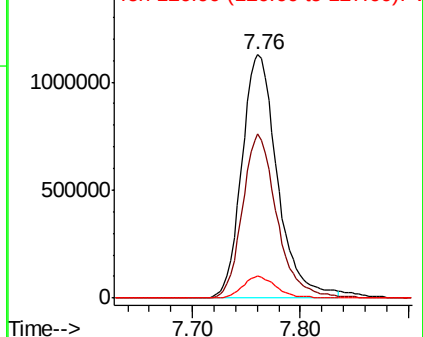
83 100

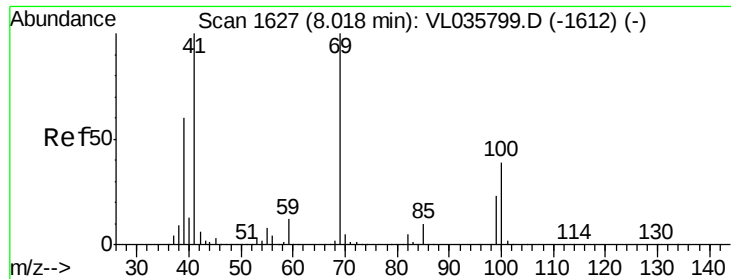
85 67.5 53.1 79.7

127 9.2 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

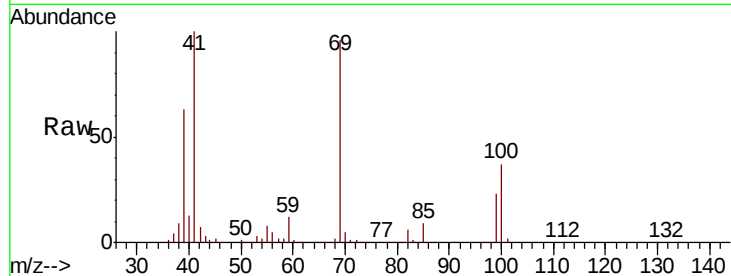




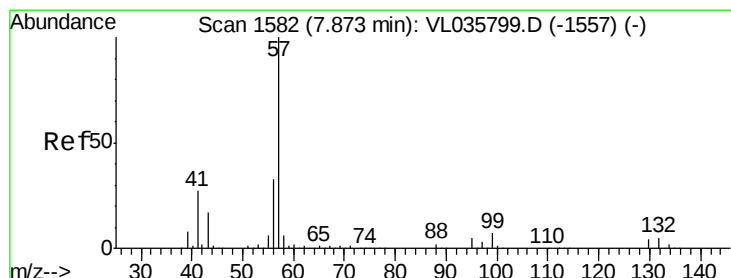
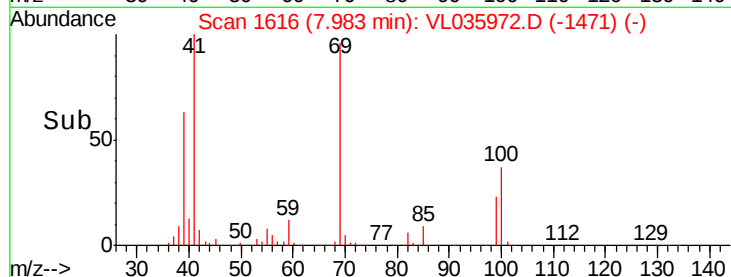
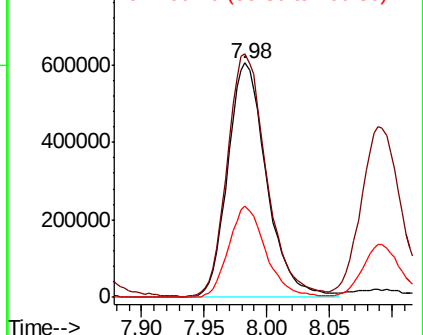
#43
Methyl Methacrylate
Concen: 10.808 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion: 69 Resp: 1300552
Ion Ratio Lower Upper
69 100
41 104.9 81.1 121.7
100 37.2 31.0 46.4

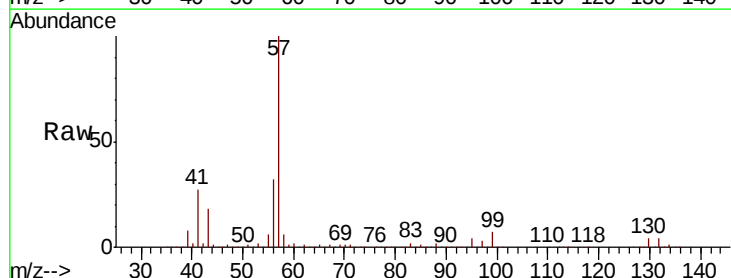


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

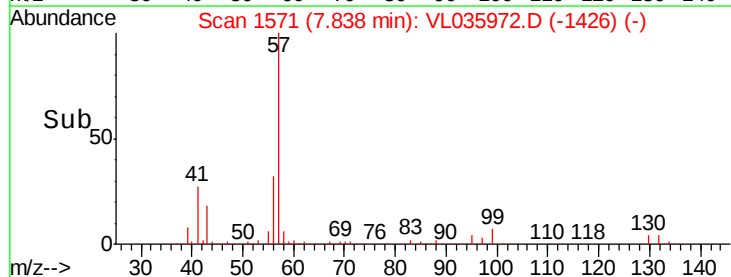
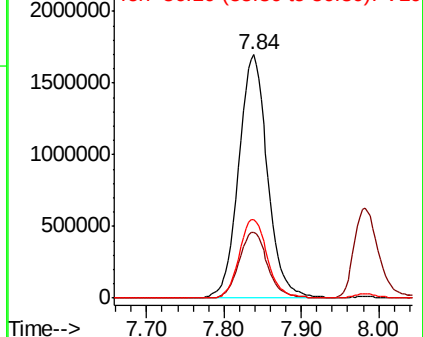


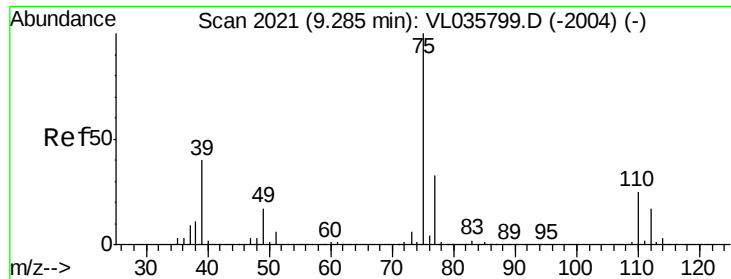
#44
2,2,4-Trimethylpentane
Concen: 10.499 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 57 Resp: 4383210
Ion Ratio Lower Upper
57 100
41 26.8 21.0 31.4
56 31.8 25.4 38.0



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

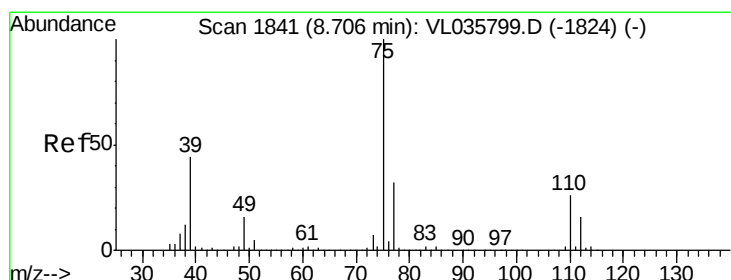
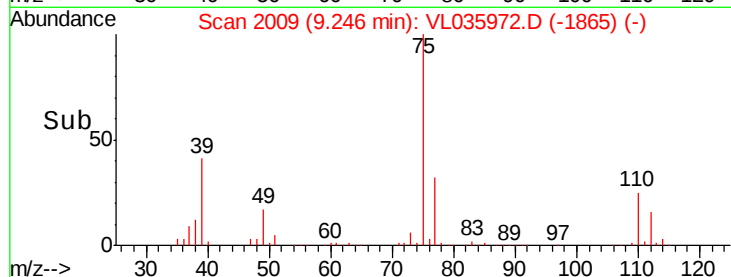
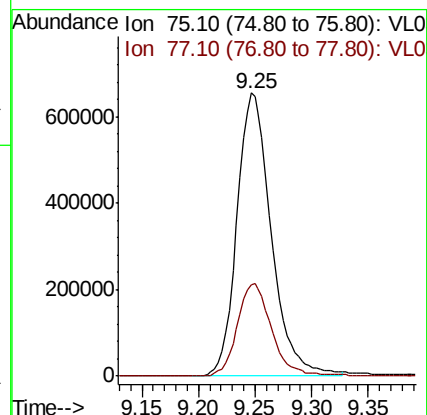
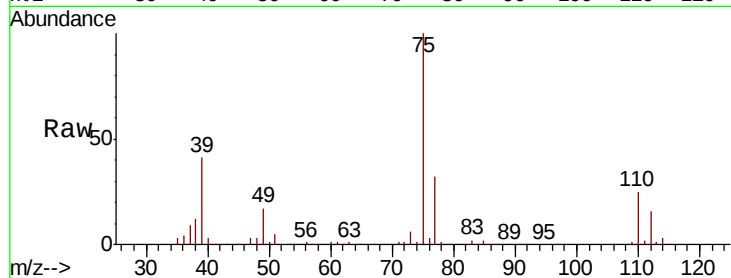




#45
 t-1,3-Dichloropropene
 Concen: 10.849 ppbv
 RT: 9.25 min Scan# 2009
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

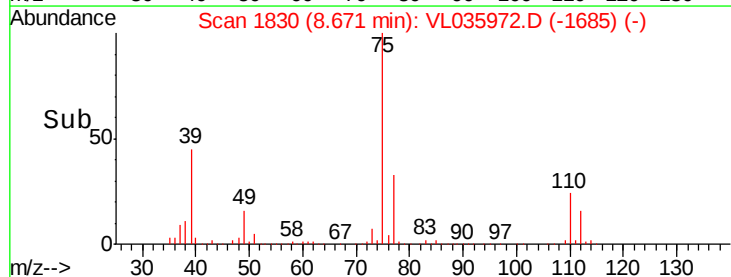
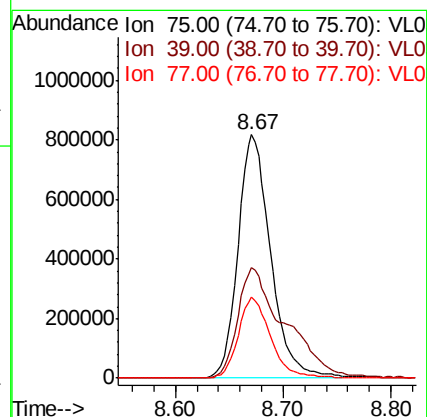
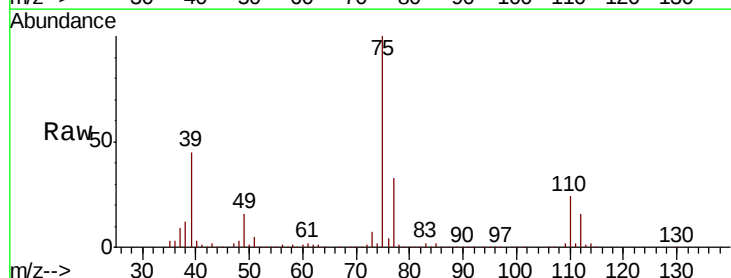
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

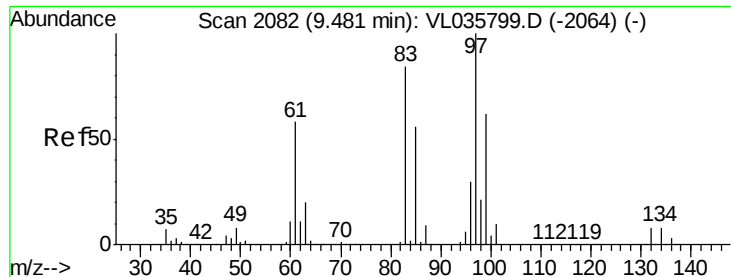
Tot Ion: 75 Resp: 1383978
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.4 39.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.633 ppbv
 RT: 8.67 min Scan# 1830
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 75 Resp: 1717806
 Ion Ratio Lower Upper
 75 100
 39 45.3 35.1 52.7
 77 33.0 25.7 38.5



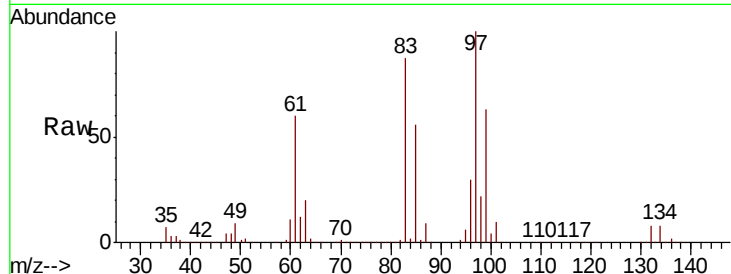


#47
 1,1,2-Trichloroethane
 Concen: 10.241 ppbv
 RT: 9.44 min Scan# 2070
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

Tot Ion: 97 Resp: 1482182

Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.1	100.7
85	56.3	44.7	67.1
99	62.7	49.7	74.5



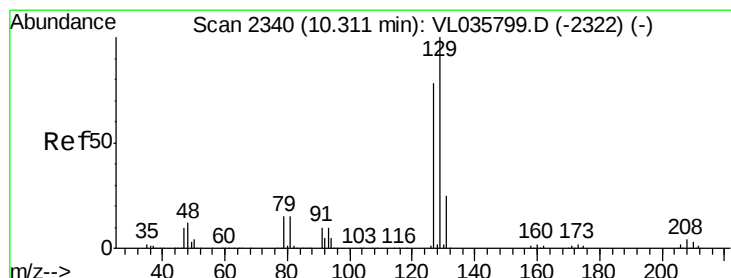
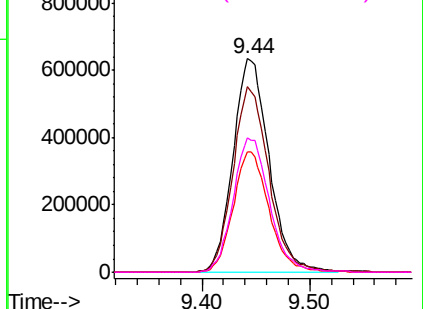
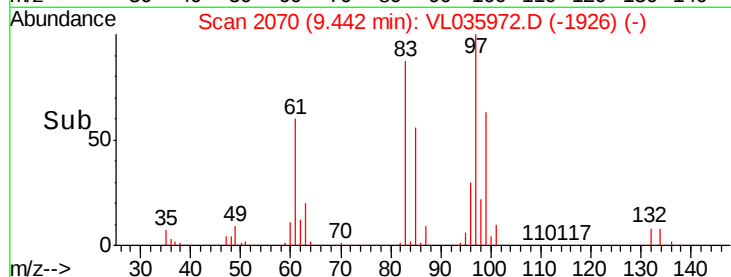
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

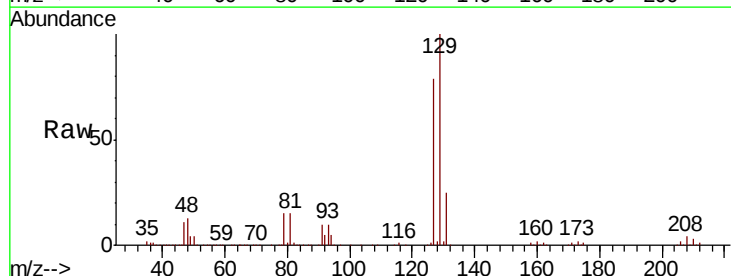
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.856 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 129 Resp: 2400428

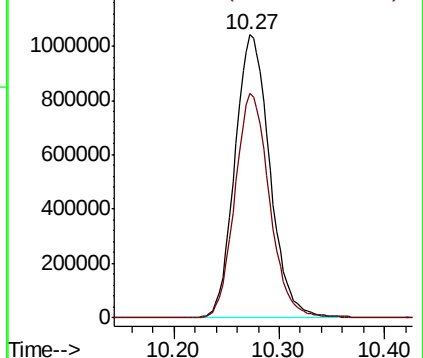
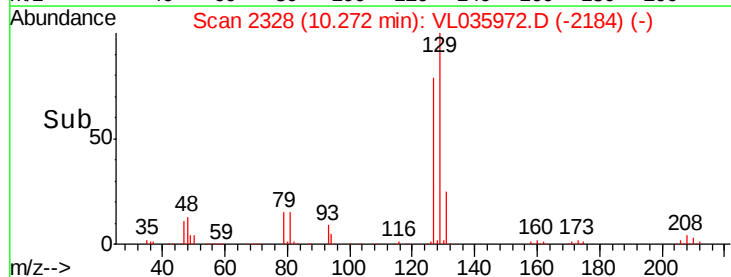
Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.2	117.6

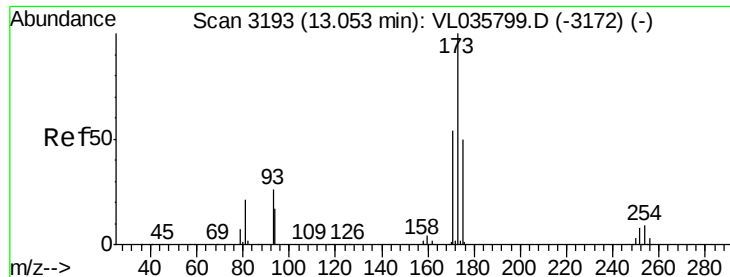


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.987 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

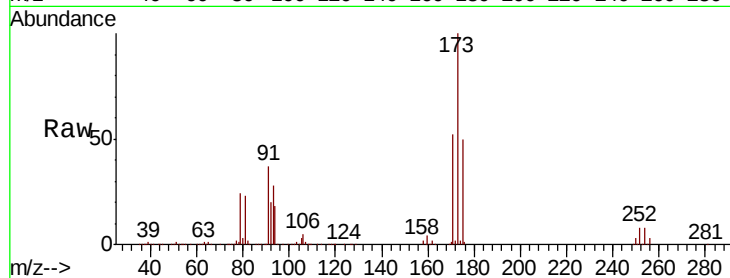
Tot Ion:173 Resp: 2049831

Ion Ratio Lower Upper

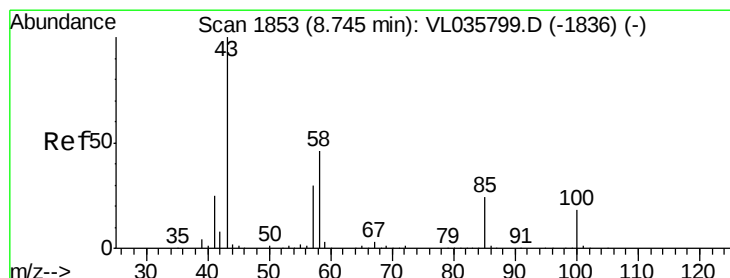
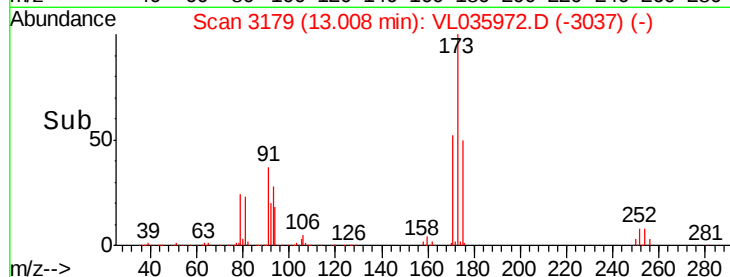
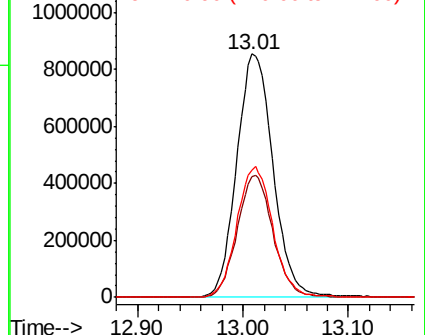
173 100

175 49.6 40.1 60.1

171 53.4 42.6 63.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.501 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VL035972.D

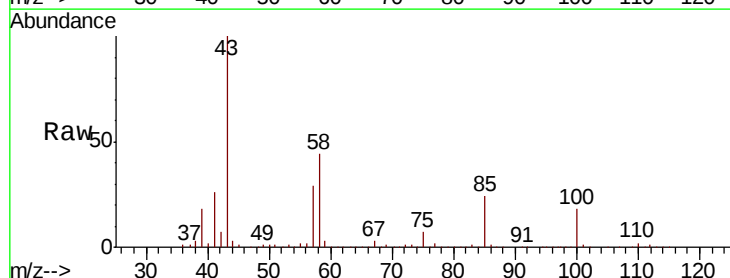
Acq: 18 Nov 2020 12:48

Tgt Ion: 43 Resp: 2422052

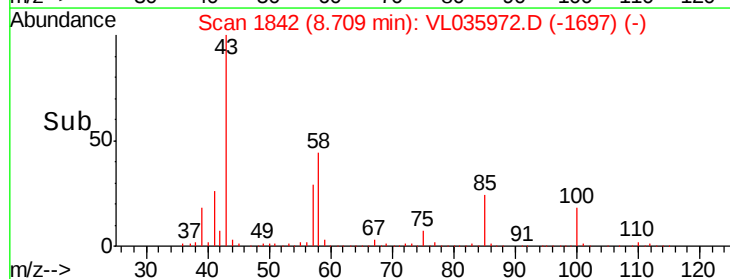
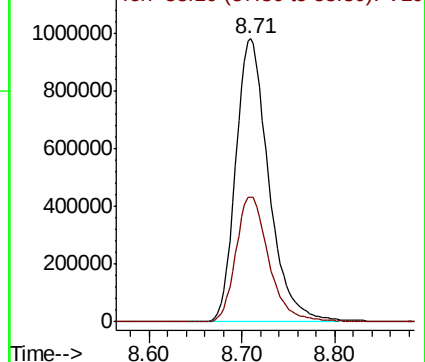
Ion Ratio Lower Upper

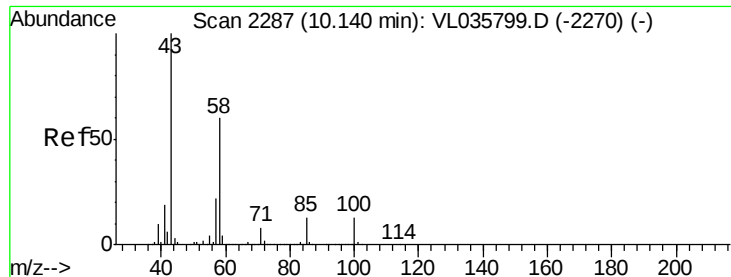
43 100

58 44.2 36.0 54.0



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

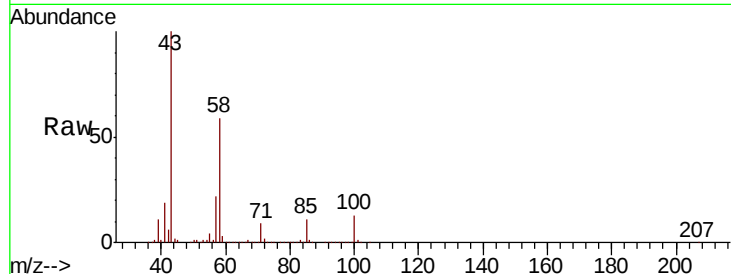




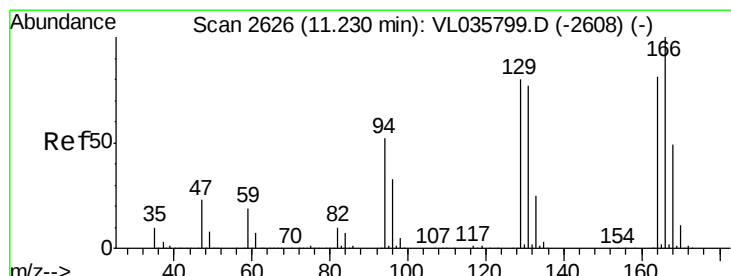
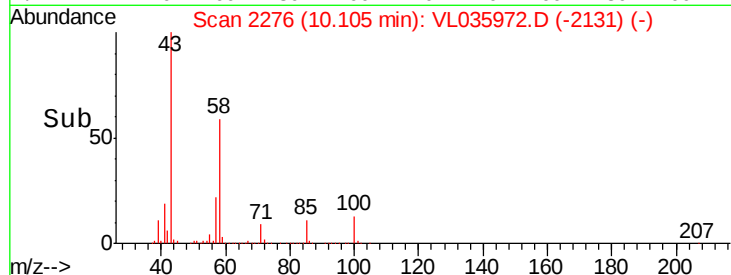
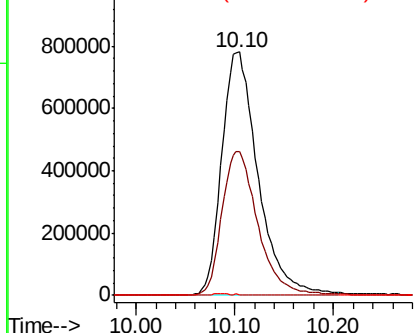
#51
2-Hexanone
Concen: 11.879 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion: 43 Resp: 2009656
Ion Ratio Lower Upper
43 100
58 58.9 48.3 72.5
98 0.9 0.6 0.8#

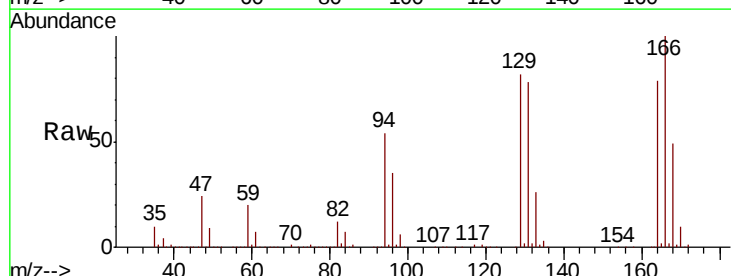


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

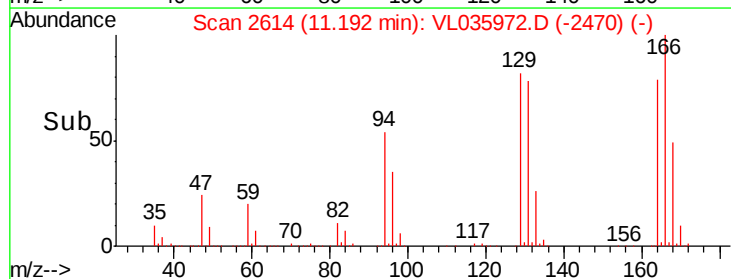
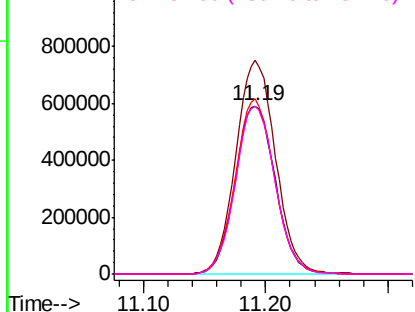


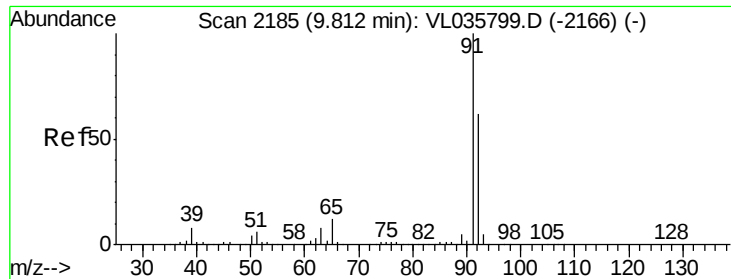
#52
Tetrachloroethene
Concen: 8.976 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 164 Resp: 1341609
Ion Ratio Lower Upper
164 100
166 127.3 99.3 148.9
129 104.9 79.3 118.9
131 99.7 76.5 114.7



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





#53

Toluene

Concen: 10.099 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

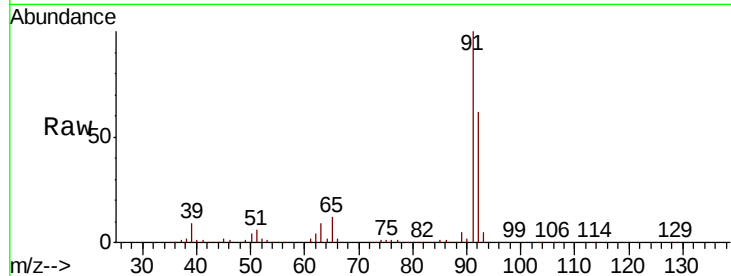
VL1118ABS01

Tot Ion: 91 Resp: 3844490

Ion Ratio Lower Upper

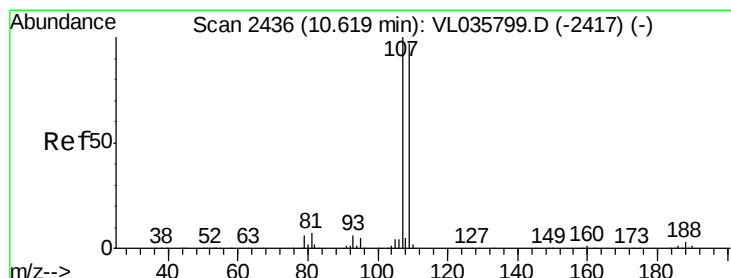
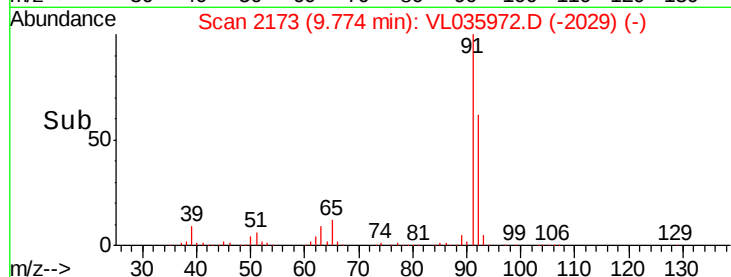
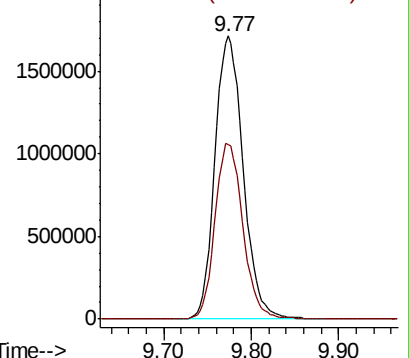
91 100

92 61.5 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.199 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.04 min

Lab File: VL035972.D

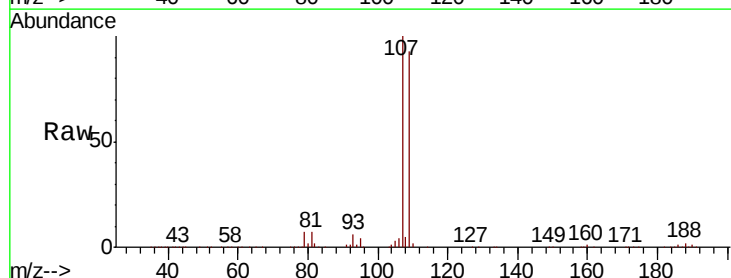
Acq: 18 Nov 2020 12:48

Tgt Ion:107 Resp: 2244813

Ion Ratio Lower Upper

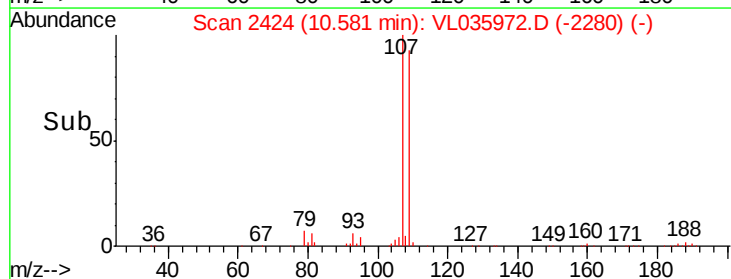
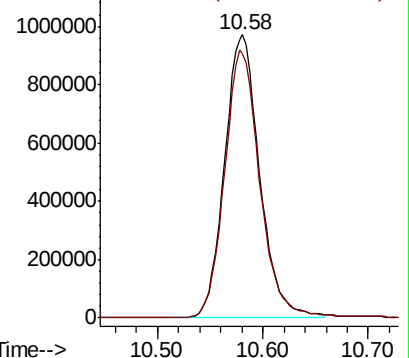
107 100

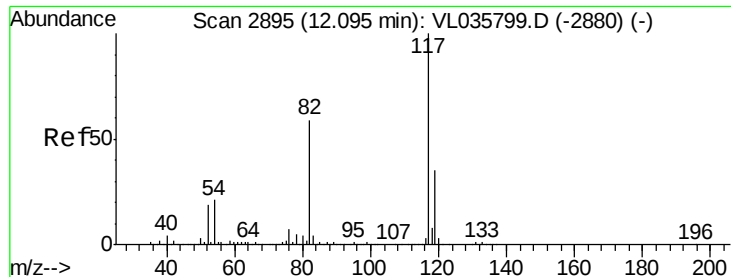
109 93.4 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

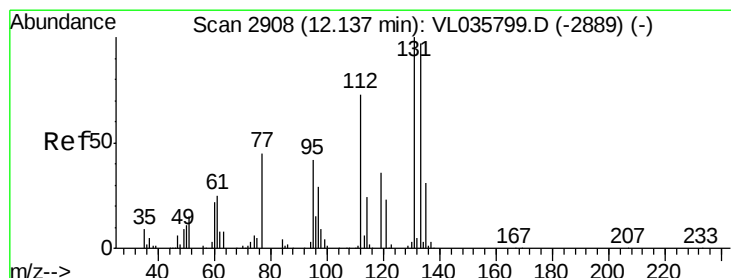
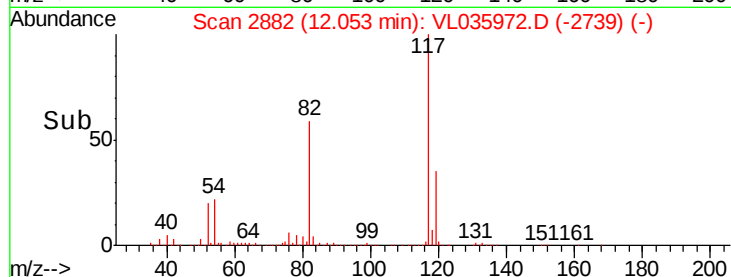
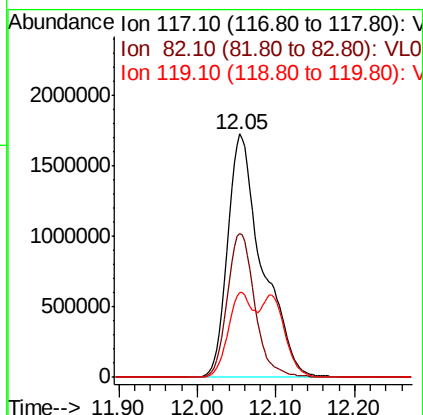
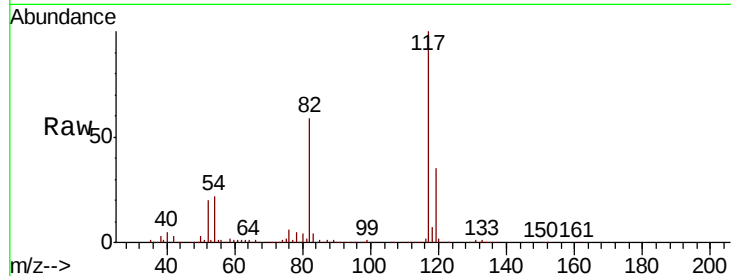




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

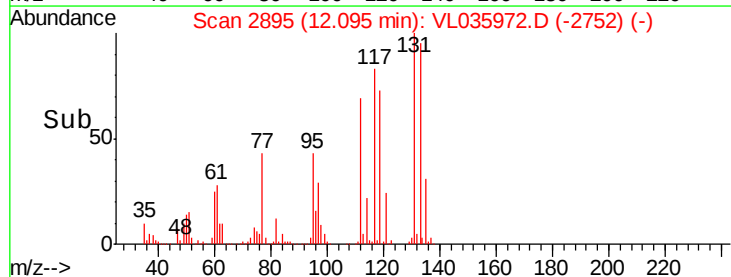
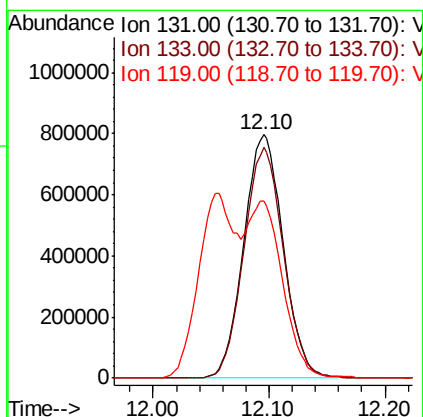
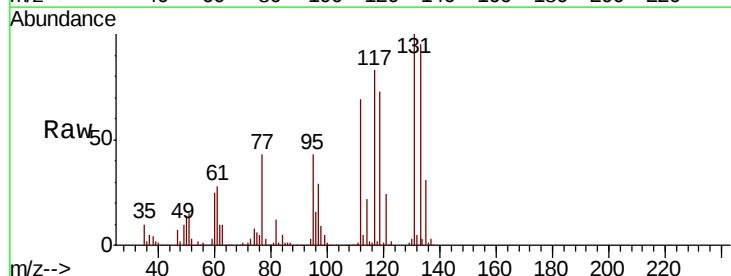
Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

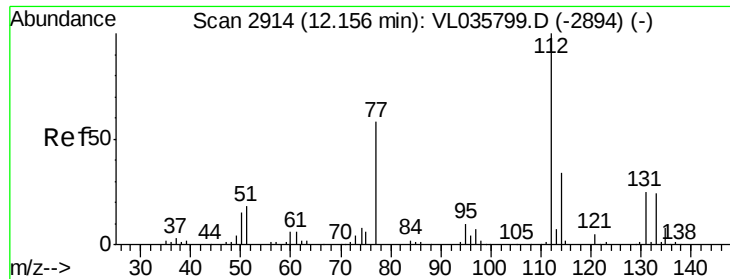
Tot Ion:117 Resp: 5281952
Ion Ratio Lower Upper
117 100
82 47.0 50.6 76.0#
119 24.1 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.945 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion:131 Resp: 1883403
Ion Ratio Lower Upper
131 100
133 95.3 76.8 115.2
119 62.4 47.4 71.0

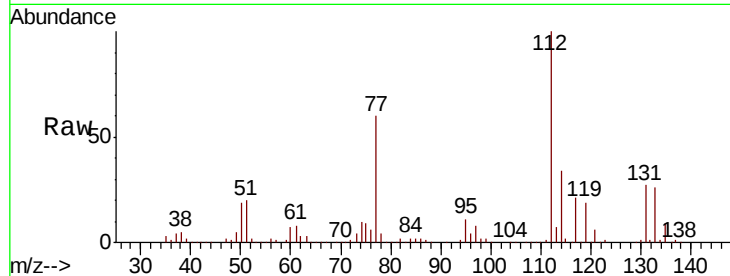




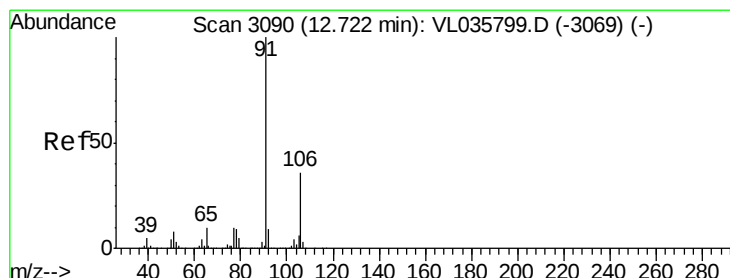
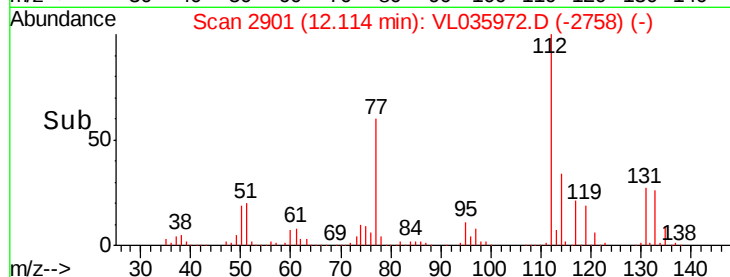
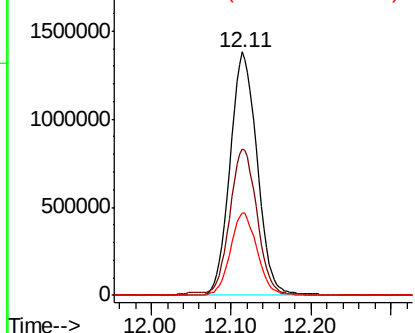
#57
Chlorobenzene
Concen: 7.559 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1118ABS01

Tot Ion:112 Resp: 3174653
Ion Ratio Lower Upper
112 100
77 59.9 47.5 71.3
114 33.5 30.3 37.1

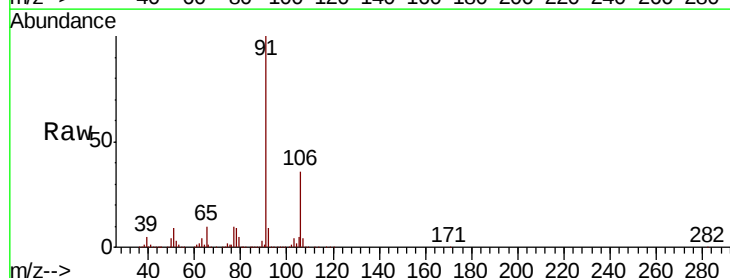


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

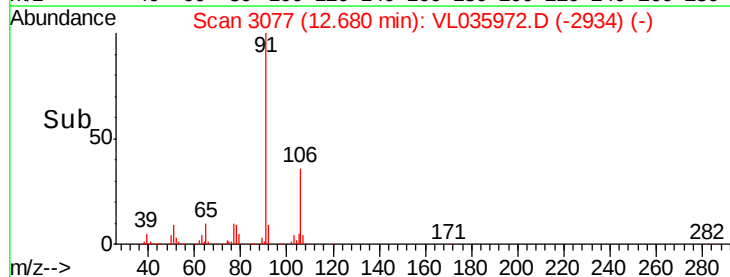
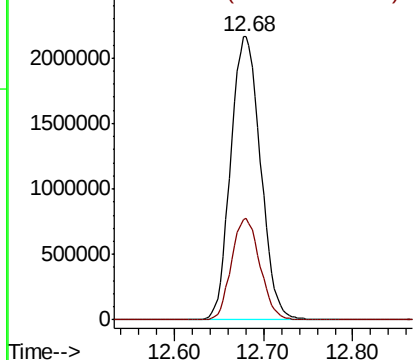


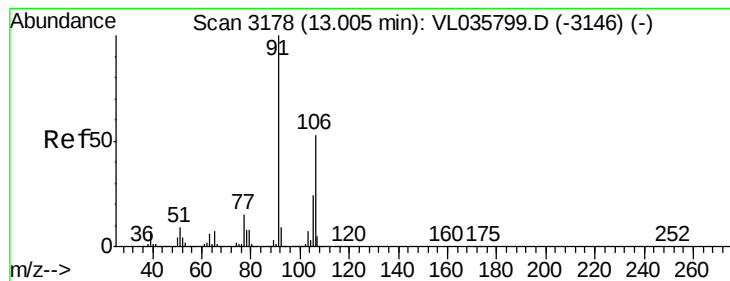
#58
Ethyl Benzene
Concen: 7.814 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 91 Resp: 5026900
Ion Ratio Lower Upper
91 100
106 36.0 28.6 43.0



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





#59

m/p-Xylene

Concen: 7.945 ppbv

RT: 12.96 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

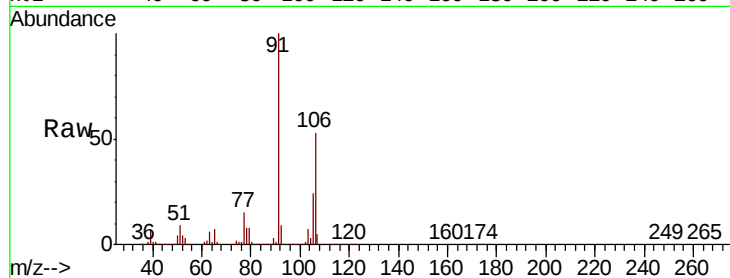
VL1118ABS01

Tot Ion: 91 Resp: 4324471

Ion Ratio Lower Upper

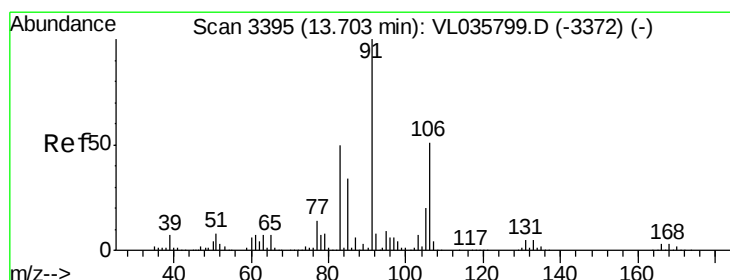
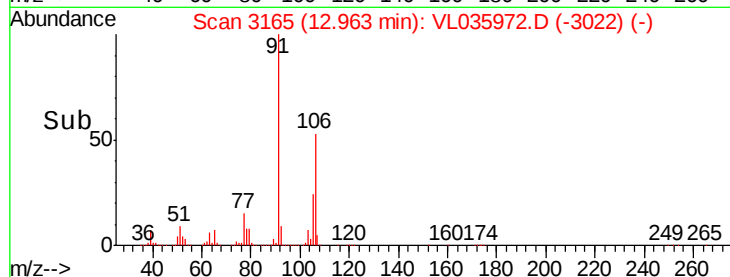
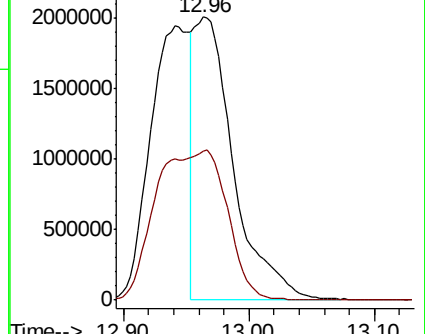
91 100

106 97.6 39.5 59.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.053 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.04 min

Lab File: VL035972.D

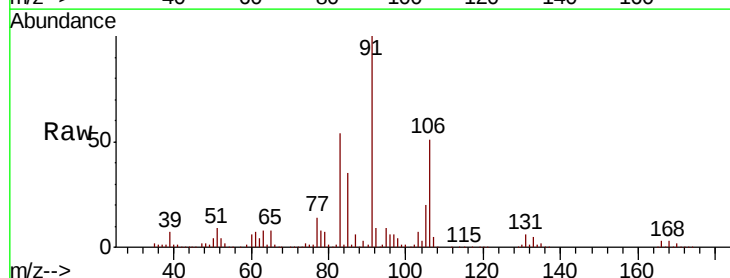
Acq: 18 Nov 2020 12:48

Tgt Ion: 91 Resp: 4263901

Ion Ratio Lower Upper

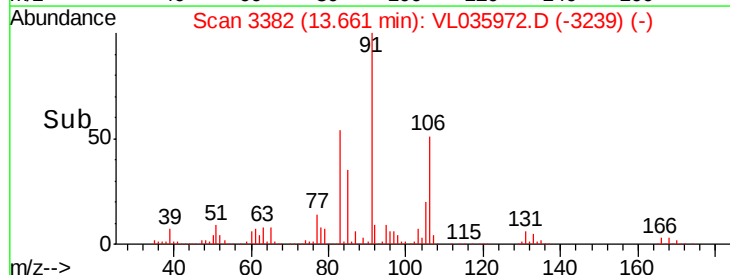
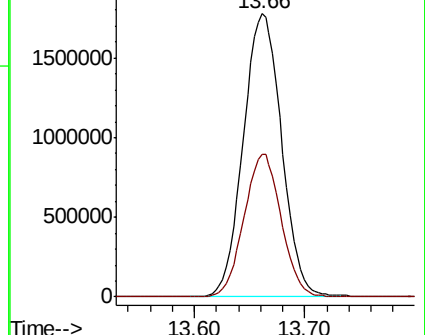
91 100

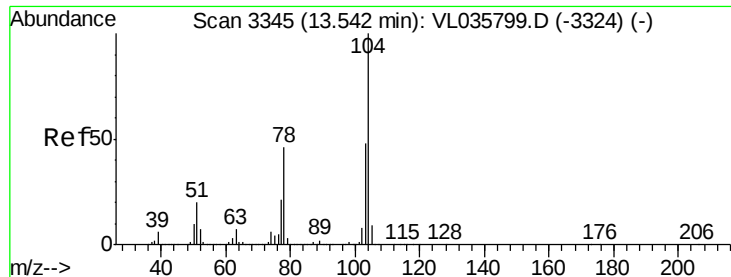
106 49.1 24.8 74.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 8.154 ppbv

RT: 13.50 min Scan# 3331

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

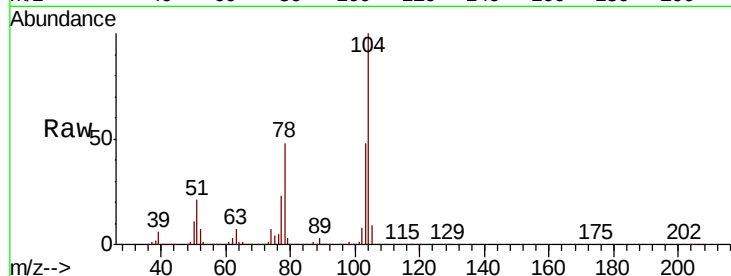
Tot Ion:104 Resp: 3163204

Ion Ratio Lower Upper

104 100

78 47.3 37.1 55.7

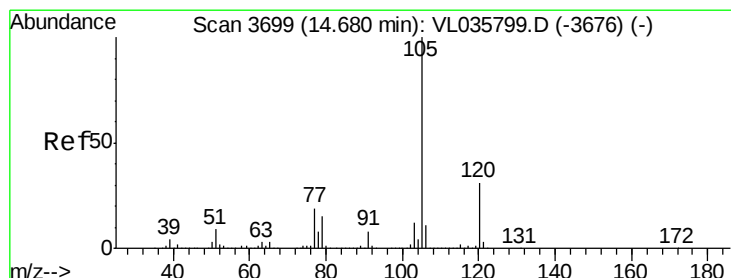
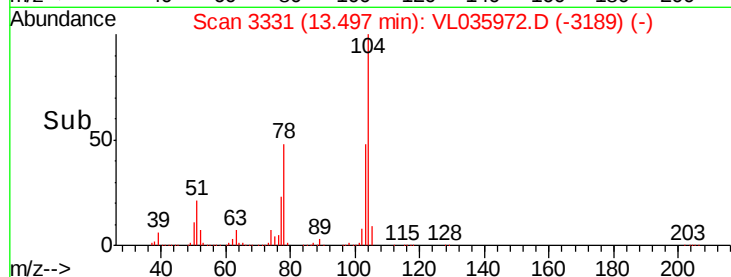
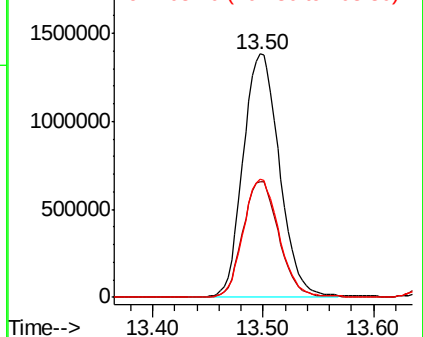
103 47.8 37.9 56.9



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: 7.618 ppbv

RT: 14.64 min Scan# 3686

Delta R.T. -0.04 min

Lab File: VL035972.D

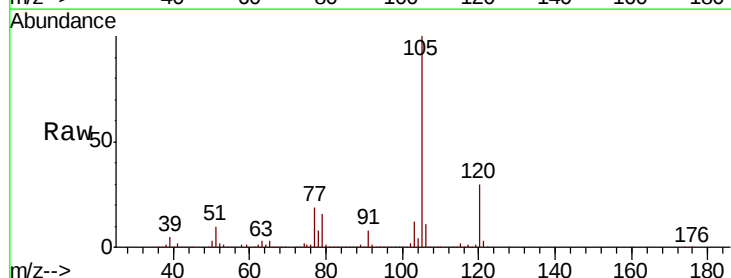
Acq: 18 Nov 2020 12:48

Tgt Ion:105 Resp: 6339932

Ion Ratio Lower Upper

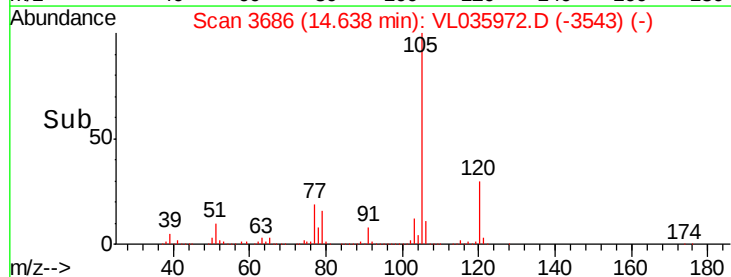
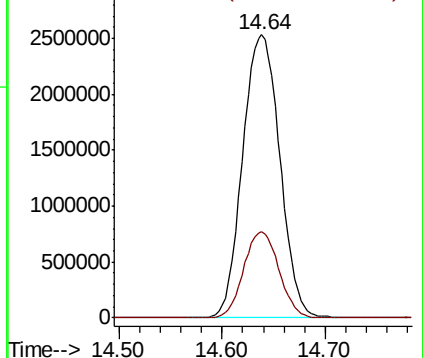
105 100

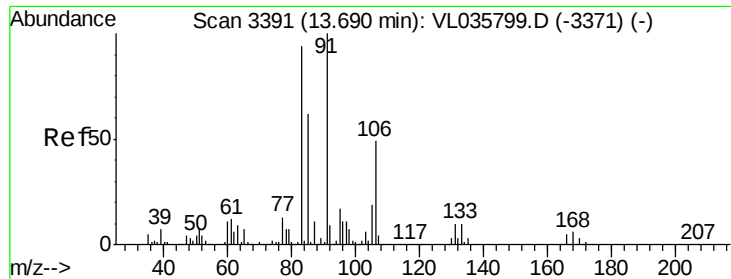
120 29.0 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

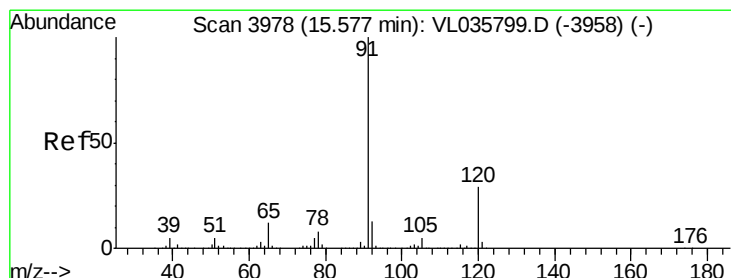
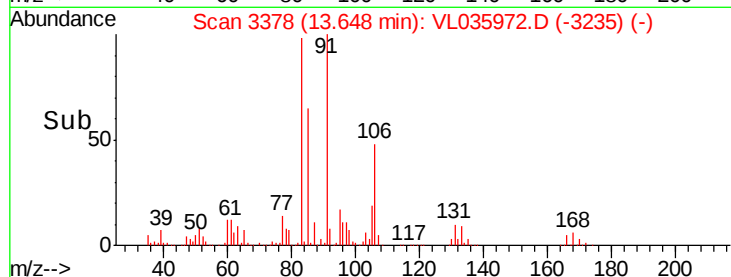
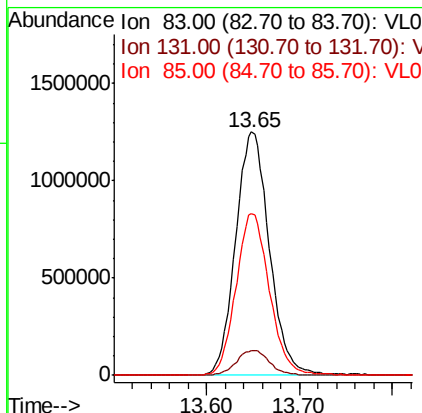
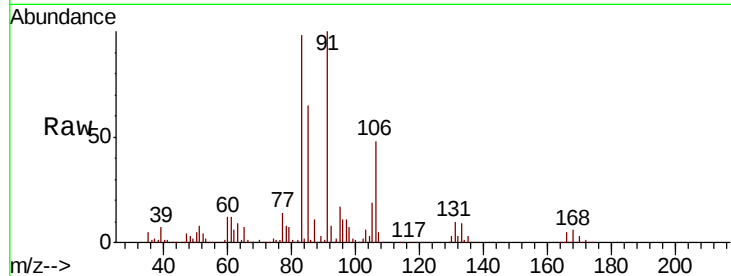




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.718 ppbv
 RT: 13.65 min Scan# 3378
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

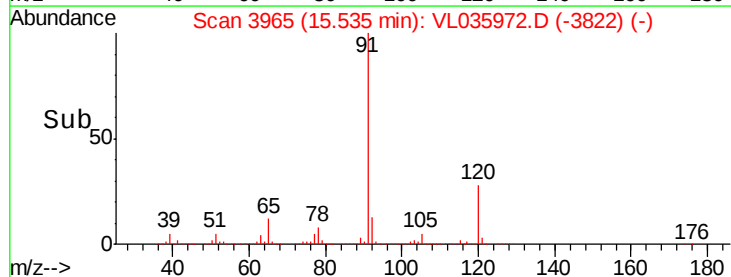
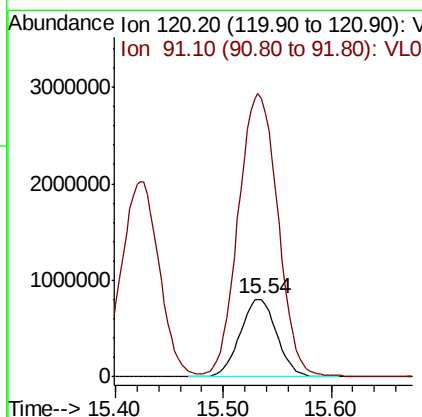
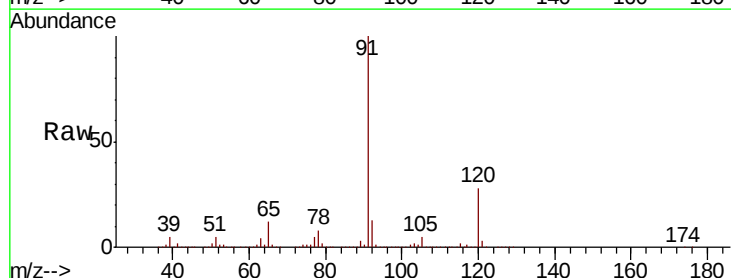
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

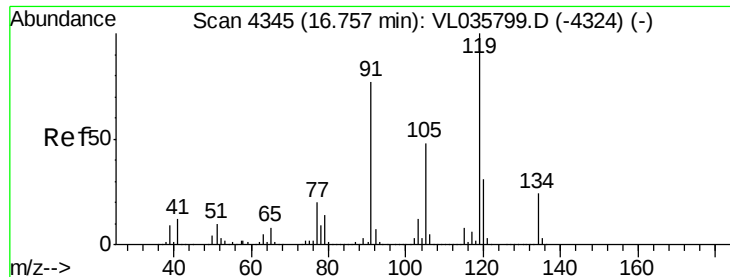
Tot Ion: 83 Resp: 3166386
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.3 15.8
 85 66.4 33.5 100.4



#64
 n-propylbenzene
 Concen: 7.892 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion:120 Resp: 1898361
 Ion Ratio Lower Upper
 120 100
 91 396.0 311.1 466.7

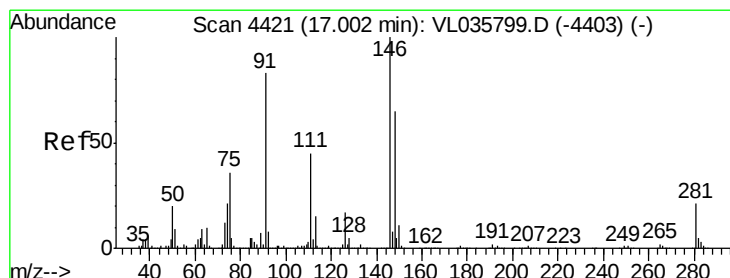
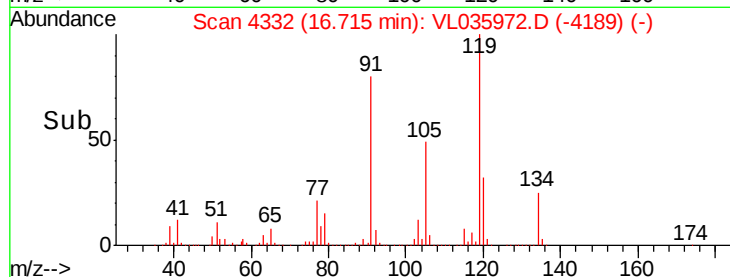
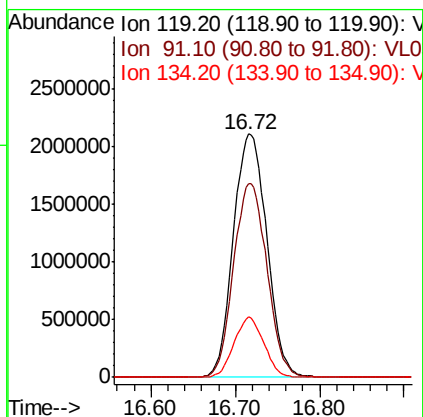
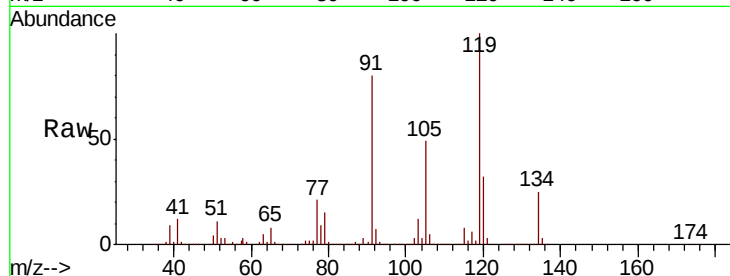




#65
tert-Butylbenzene
Concen: 7.714 ppbv
RT: 16.72 min Scan# 4332
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

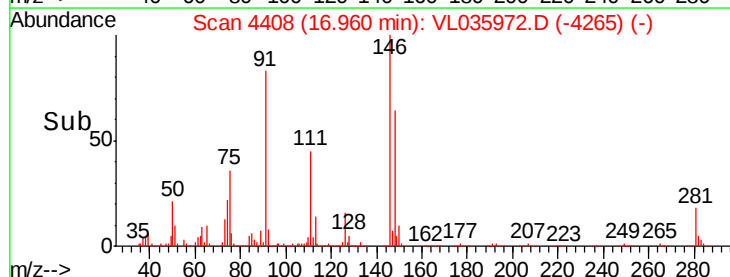
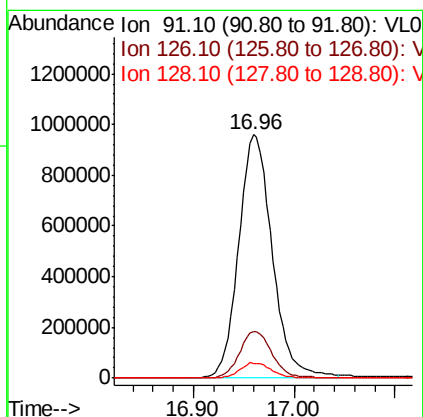
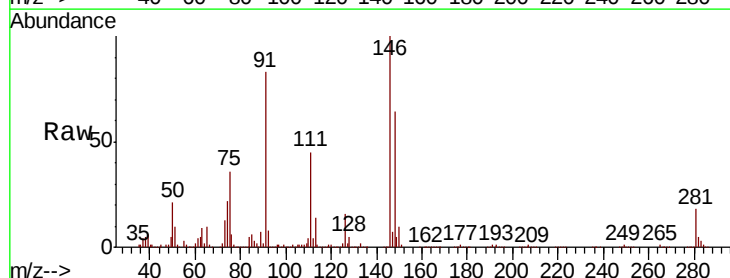
Instrument :
MSVOA_L
ClientSampleID :
VL1118ABS01

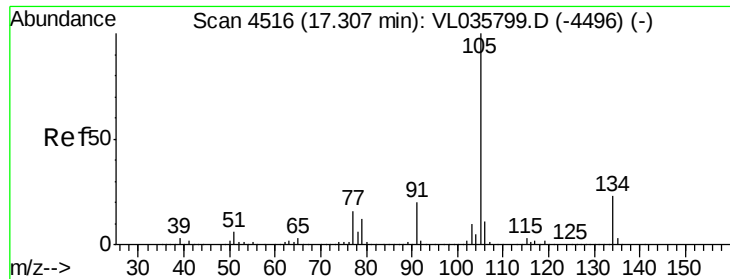
Tot Ion:119 Resp: 5843107
Ion Ratio Lower Upper
119 100
91 79.2 62.0 93.0
134 22.0 17.8 26.8



#66
Benzyl Chloride
Concen: 8.816 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.04 min
Lab File: VL035972.D
Acq: 18 Nov 2020 12:48

Tgt Ion: 91 Resp: 2207309
Ion Ratio Lower Upper
91 100
126 19.0 16.0 24.0
128 6.1 5.0 7.4





#67

sec-Butylbenzene

Concen: 7.780 ppbv

RT: 17.27 min Scan# 4503

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

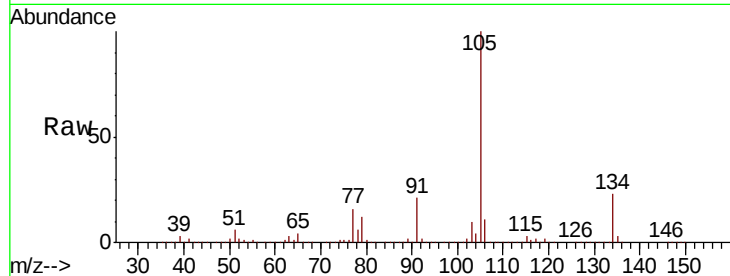
VL1118ABS01

Tot Ion:105 Resp: 7941795

Ion Ratio Lower Upper

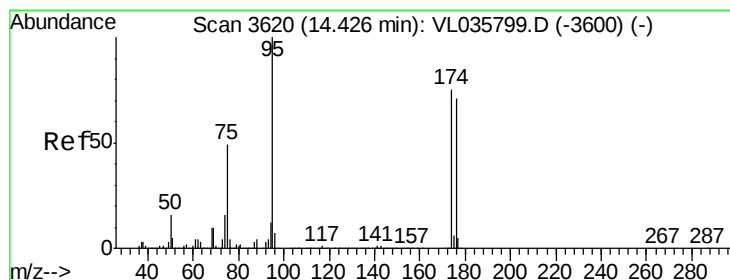
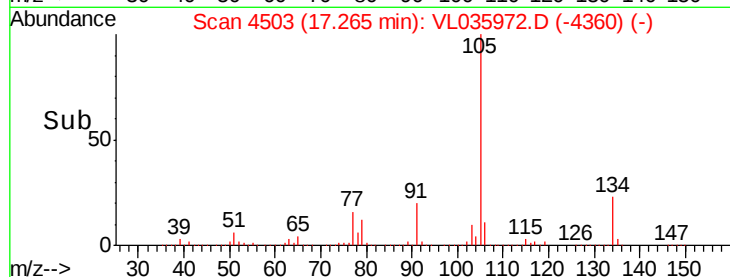
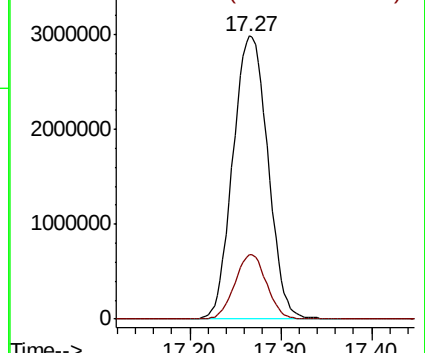
105 100

134 20.9 17.0 25.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.428 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

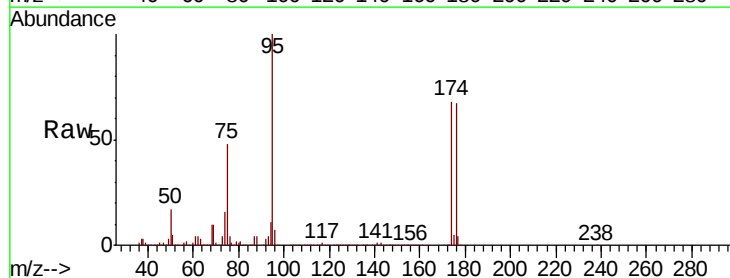
Tgt Ion: 95 Resp: 3162692

Ion Ratio Lower Upper

95 100

174 69.8 59.8 89.6

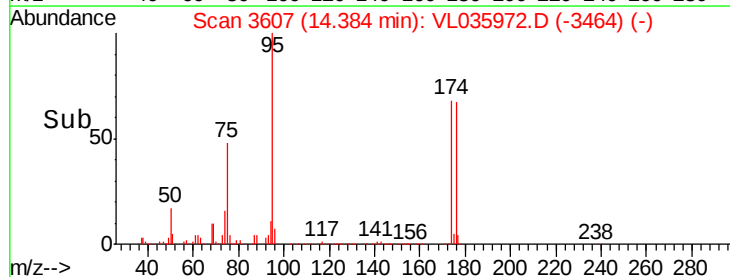
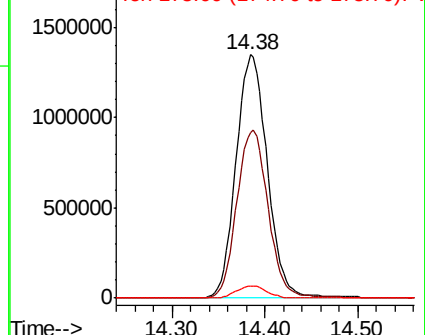
175 5.0 4.3 6.5

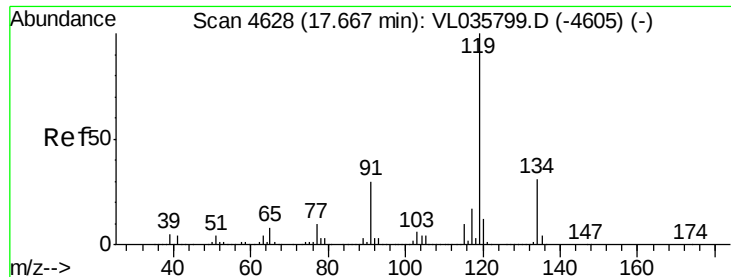


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.920 ppbv

RT: 17.63 min Scan# 4615

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

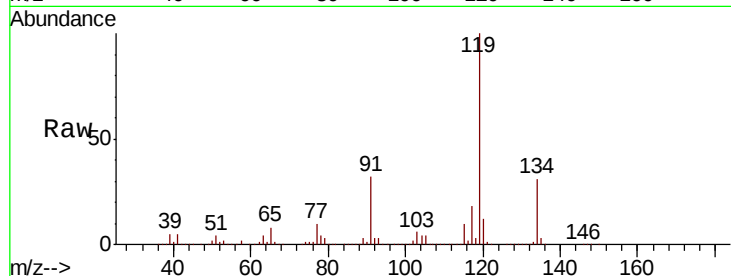
Tot Ion:119 Resp: 6671328

Ion Ratio Lower Upper

119 100

134 28.7 23.0 34.6

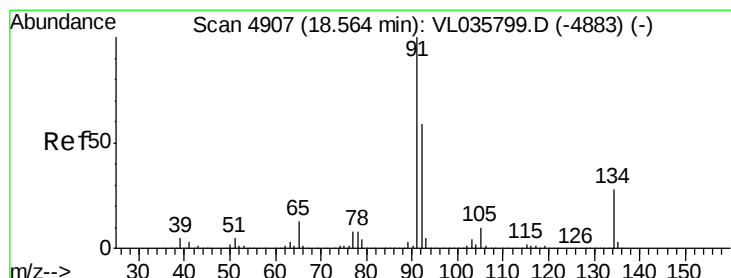
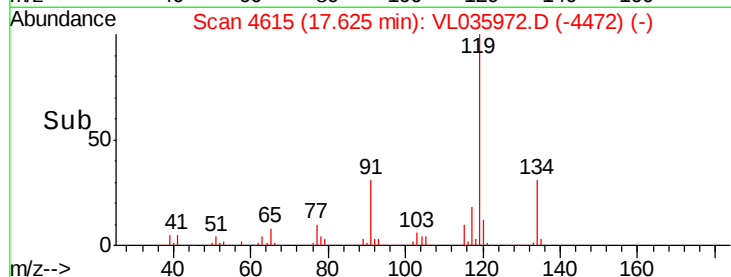
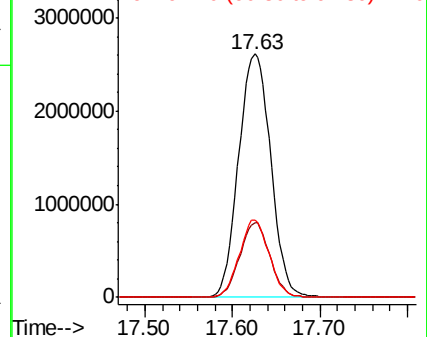
91 29.5 22.8 34.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.393 ppbv

RT: 18.52 min Scan# 4894

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

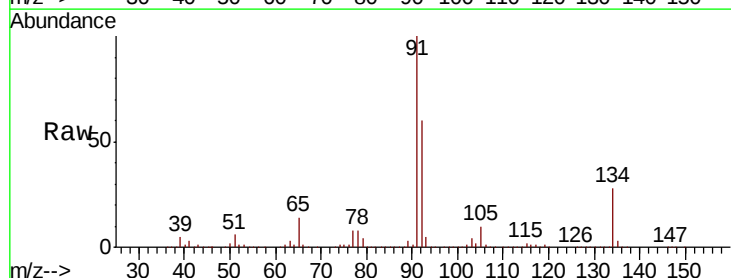
Tgt Ion: 91 Resp: 6808545

Ion Ratio Lower Upper

91 100

92 57.6 45.7 68.5

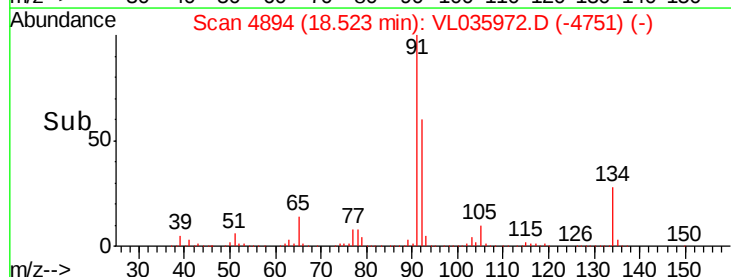
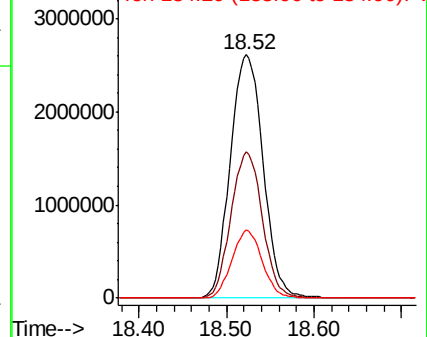
134 26.0 21.0 31.4

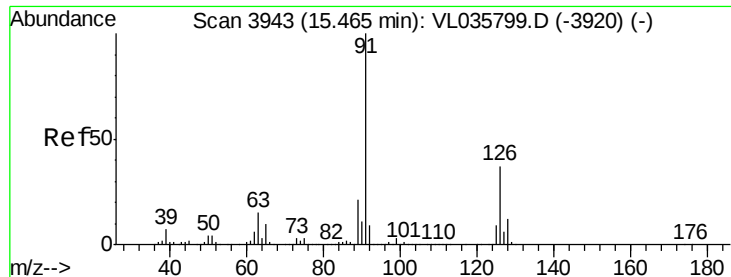


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

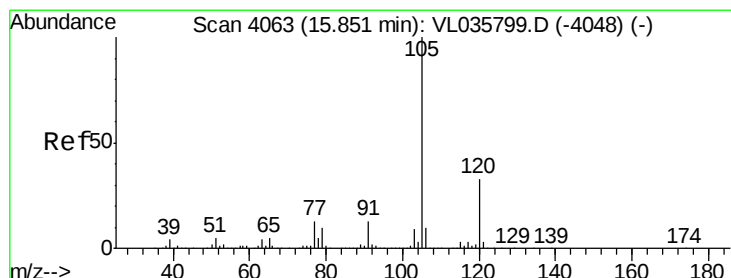
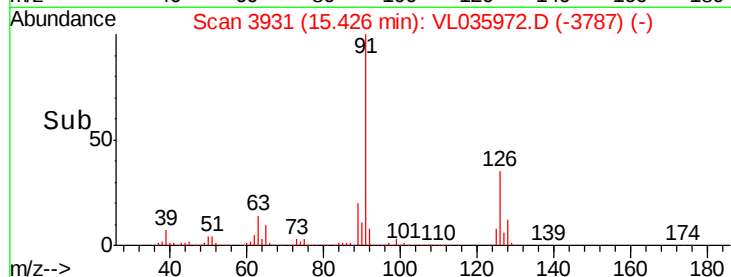
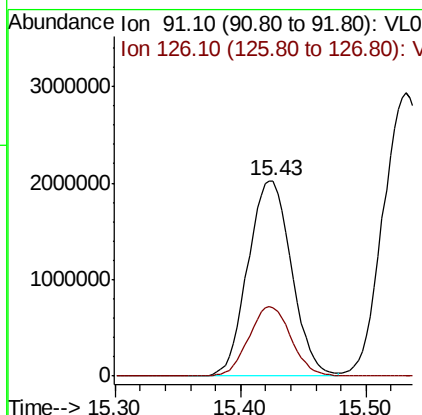
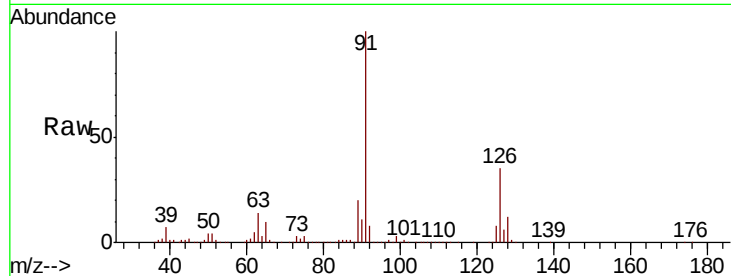




#71
 2-Chlorotoluene
 Concen: 8.025 ppbv
 RT: 15.43 min Scan# 3931
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

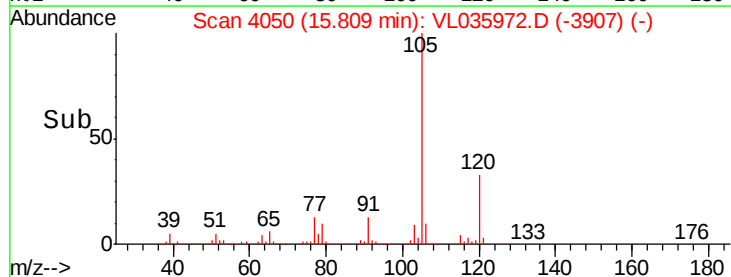
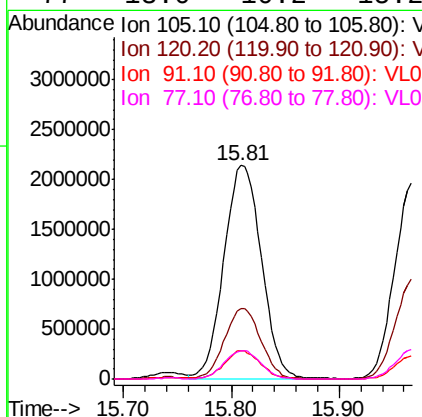
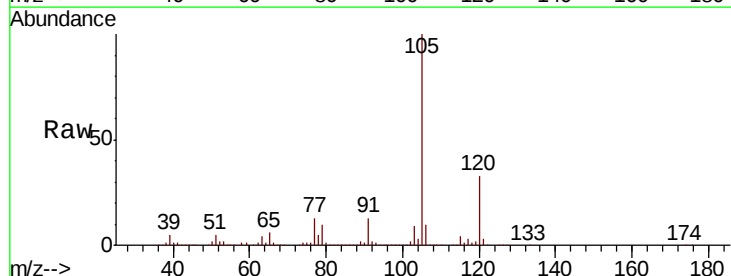
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

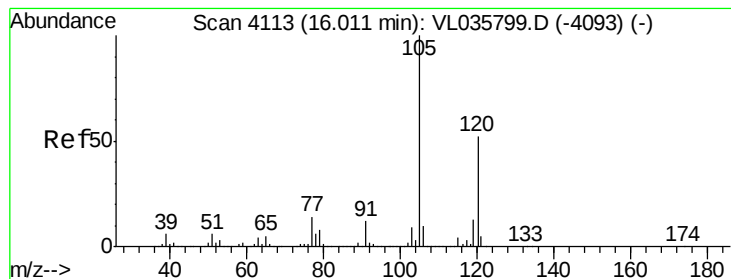
Tot Ion: 91 Resp: 4885039
 Ion Ratio Lower Upper
 91 100
 126 34.6 14.3 57.1



#72
 4-Ethyltoluene
 Concen: 8.082 ppbv
 RT: 15.81 min Scan# 4050
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion: 105 Resp: 5189547
 Ion Ratio Lower Upper
 105 100
 120 32.1 25.9 38.9
 91 12.6 9.9 14.9
 77 13.0 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 8.170 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

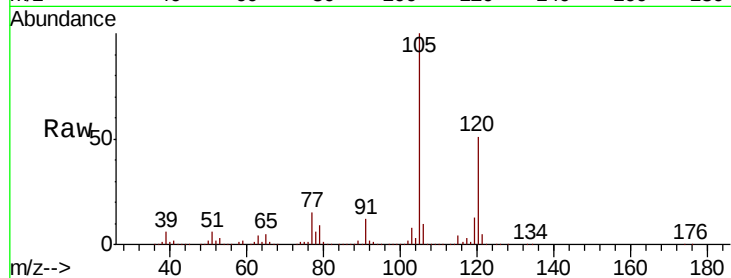
VL1118ABS01

Tot Ion:105 Resp: 4801042

Ion Ratio Lower Upper

105 100

120 51.2 41.4 62.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

1500000

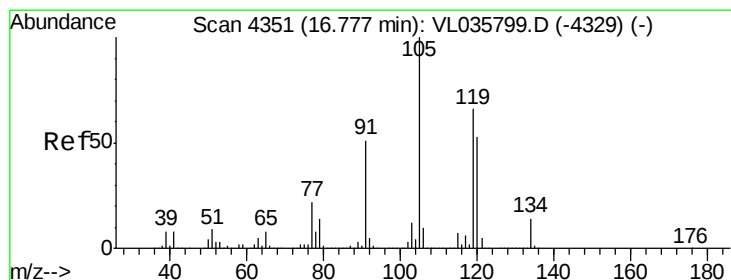
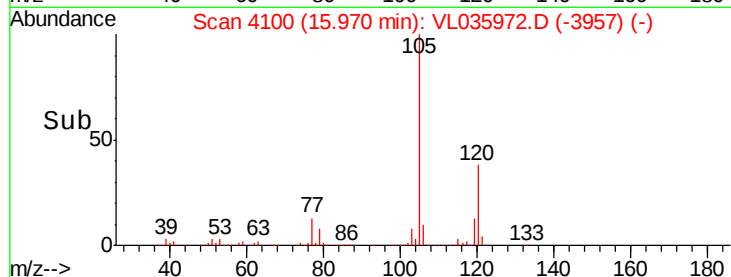
1000000

500000

0

Time-->

15.90 16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 8.082 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion:105 Resp: 5089212

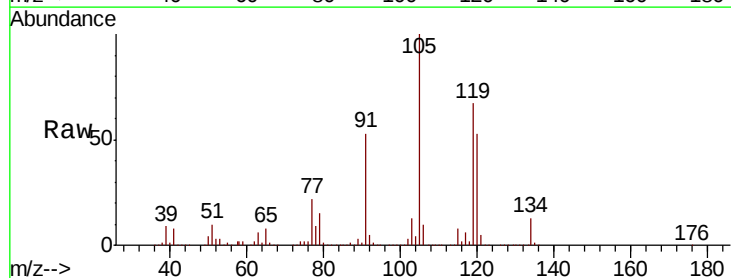
Ion Ratio Lower Upper

105 100

120 53.2 42.0 63.0

91 53.4 41.0 61.6

77 22.0 17.3 25.9



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): VLO

Ion 77.10 (76.80 to 77.80): VLO

3000000

2500000

2000000

1500000

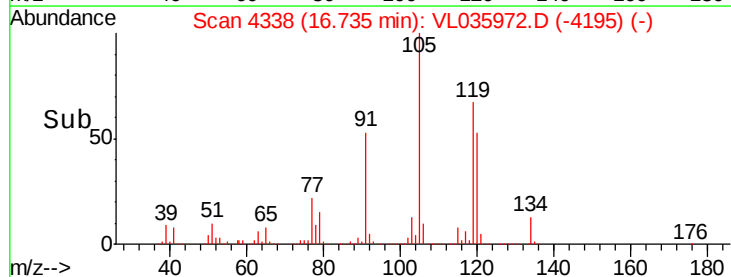
1000000

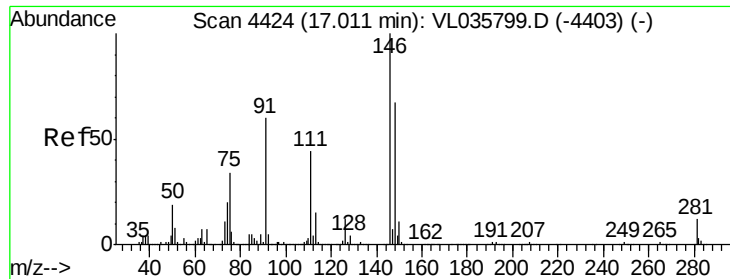
500000

0

Time-->

16.60 16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 7.910 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

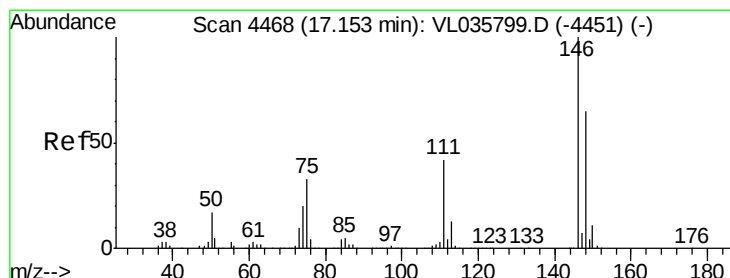
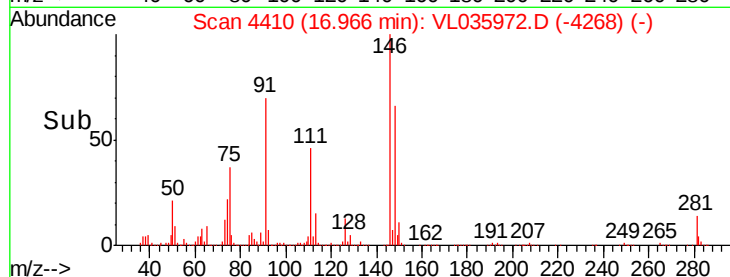
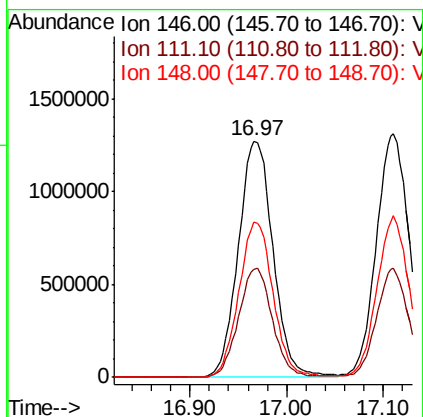
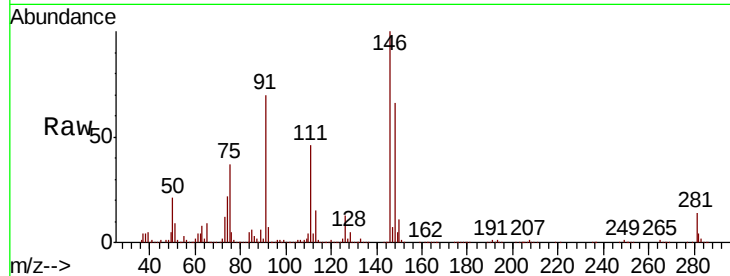
Tot Ion:146 Resp: 3171249

Ion Ratio Lower Upper

146 100

111 45.1 21.8 65.4

148 65.0 32.5 97.5



#76

1,4-Dichlorobenzene

Concen: 8.030 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

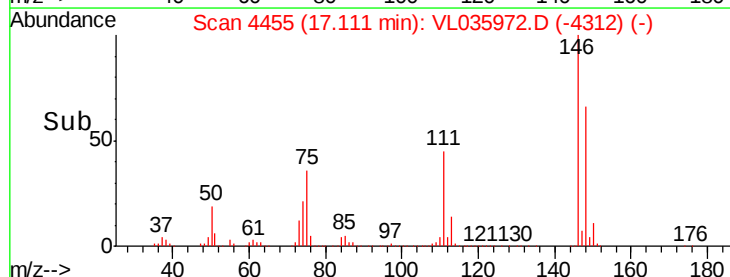
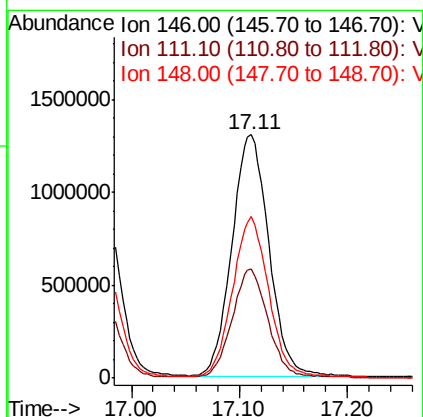
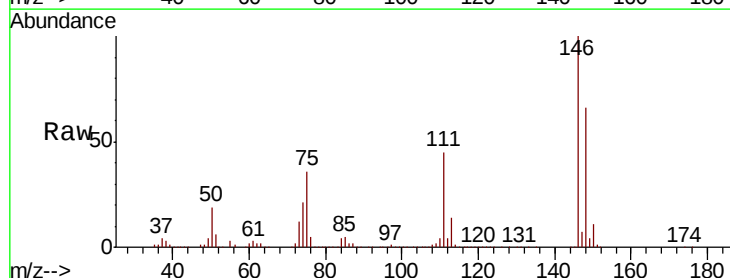
Tgt Ion:146 Resp: 3105624

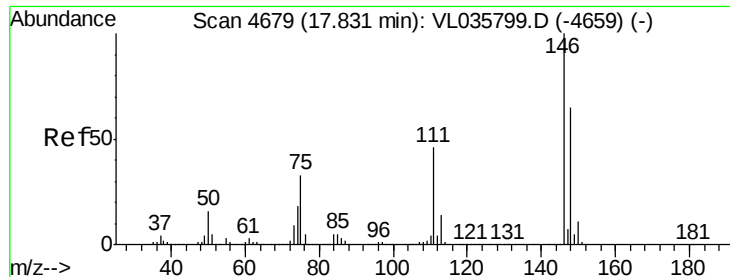
Ion Ratio Lower Upper

146 100

111 44.3 21.3 63.7

148 65.6 33.0 99.0

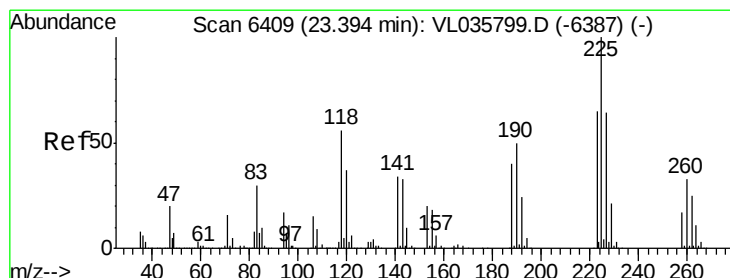
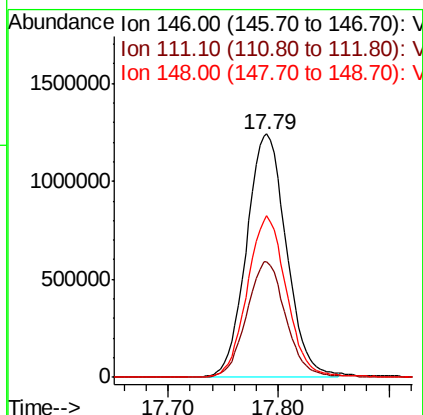
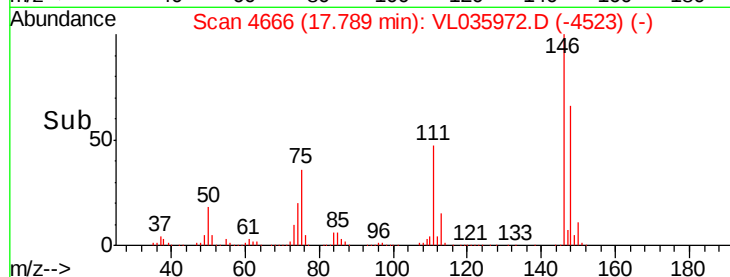
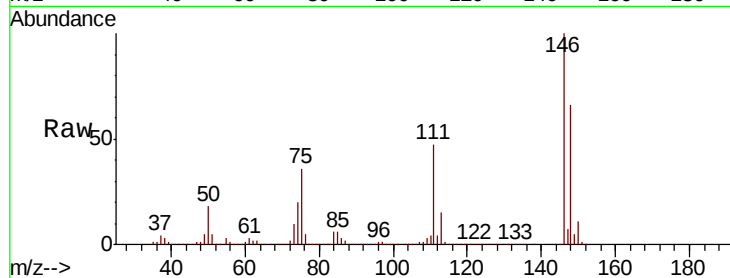




#77
 1,2-Dichlorobenzene
 Concen: 7.926 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

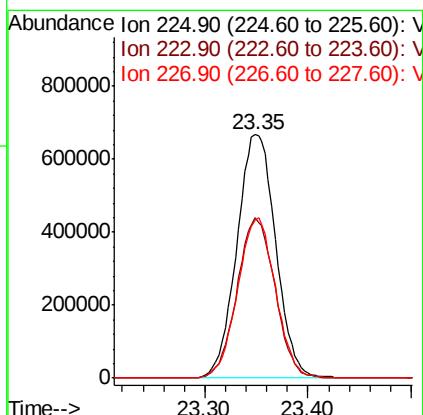
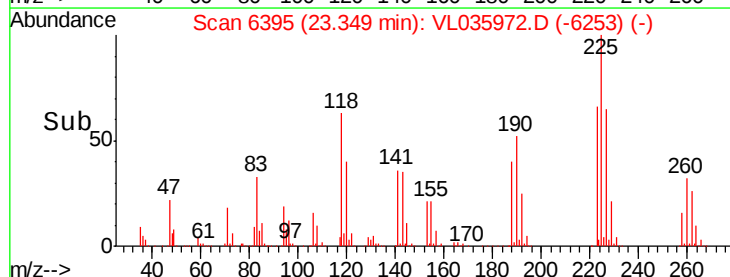
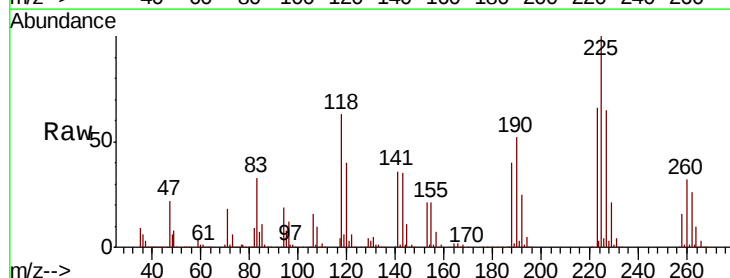
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABS01

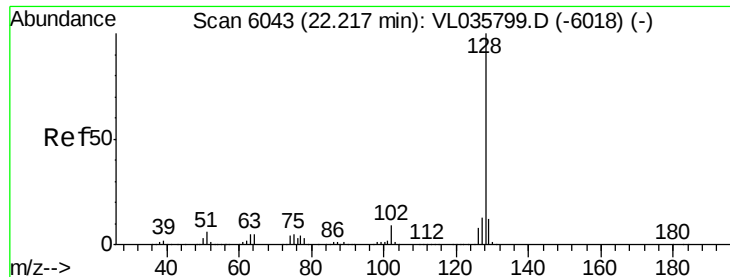
Tot Ion:146 Resp: 3097651
 Ion Ratio Lower Upper
 146 100
 111 46.9 22.4 67.0
 148 65.6 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.564 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.04 min
 Lab File: VL035972.D
 Acq: 18 Nov 2020 12:48

Tgt Ion:225 Resp: 1744101
 Ion Ratio Lower Upper
 225 100
 223 64.7 51.0 76.6
 227 64.5 51.2 76.8





#79

Naphthalene

Concen: 10.260 ppbv

RT: 22.16 min Scan# 6026

Delta R.T. -0.05 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

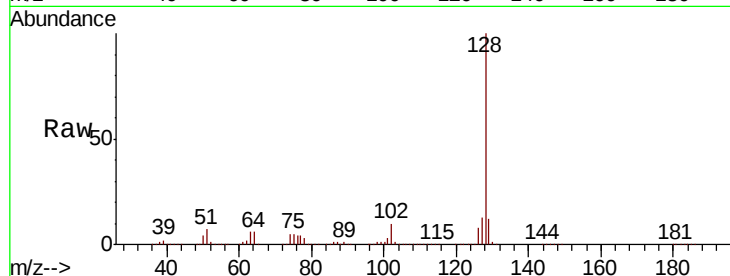
MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion:128 Resp: 4503586

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.9	9.2	13.8

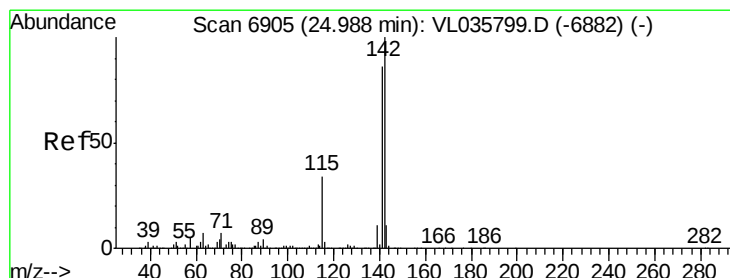
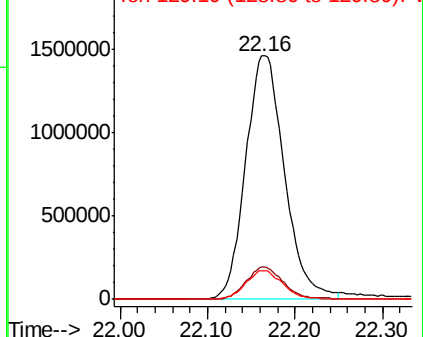
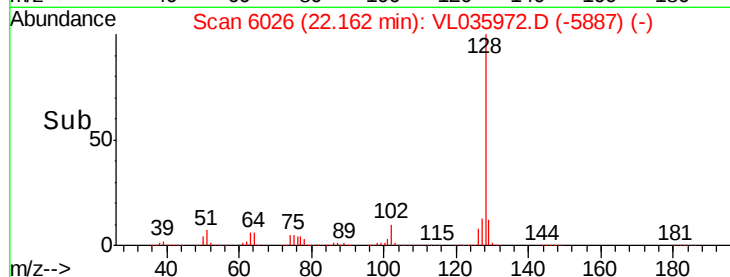


Abundance

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: 12.669 ppbv

RT: 24.95 min Scan# 6894

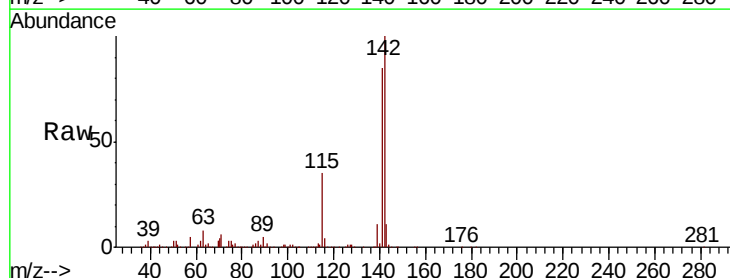
Delta R.T. -0.04 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Tgt Ion:142 Resp: 906252

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.8	101.8
115	33.5	28.1	42.1

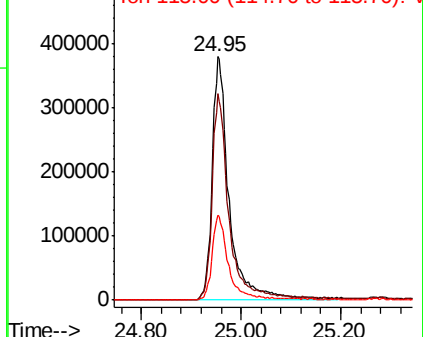
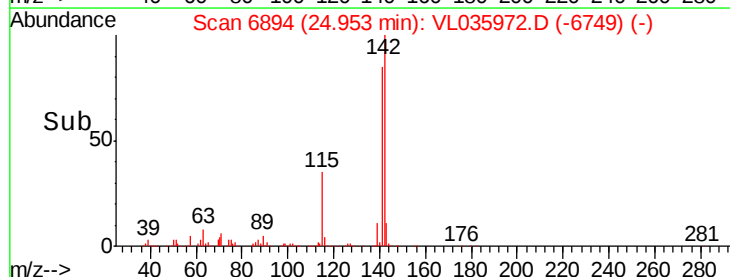


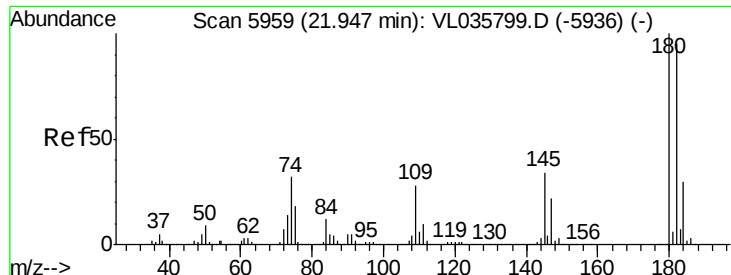
Abundance

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: 9.185 ppbv

RT: 21.90 min Scan# 5943

Delta R.T. -0.05 min

Lab File: VL035972.D

Acq: 18 Nov 2020 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1118ABS01

Tot Ion:180 Resp: 2252499

Ion Ratio Lower Upper

180 100

182 99.1 77.2 115.8

184 32.1 24.7 37.1

