

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035890.D
 Acq On : 6 Nov 2020 16:03
 Operator : SY/AP
 Sample : VSTDCCC010#1 TEST
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Nov 06 23:44:51 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	5.65	49	959135	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3721372	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4456593	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2591327	8.18	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2006215	11.110	ppbv	100
3) Chlorodifluoromethane	2.97	51	1285104	11.189	ppbv	99
4) Chloromethane	3.12	50	652576	11.695	ppbv	100
5) Vinyl Chloride	3.24	62	823058	11.571	ppbv	99
6) Bromomethane	3.46	94	666942	11.659	ppbv	100
7) Chloroethane	3.54	64	300808	12.016	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	2357674	11.408	ppbv	99
9) Propene	2.99	41	505039	12.013	ppbv	99
10) Heptane	8.11	43	1456017	12.539	ppbv #	70
11) Trichlorofluoromethane	3.93	101	2816671	12.422	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2083883	12.344	ppbv	99
13) Ethanol	3.59	45	84349	9.248	ppbv	97
14) Bromoethene	3.72	108	877159	11.290	ppbv	99
15) Acetone	3.84	43	527394	5.143	ppbv	99
16) 1,3-Butadiene	3.31	39	585090	13.253	ppbv	87
17) tert-Butyl alcohol	4.28	59	459471	3.381	ppbv	98
18) 1,1-Dichloroethene	4.27	96	942699	12.162	ppbv	96
19) Isopropyl Alcohol	3.95	45	283738	4.503	ppbv #	96
20) Methylene Chloride	4.33	84	778409	10.784	ppbv	98
21) Allyl Chloride	4.39	41	652134	11.760	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	958400	12.197	ppbv	98
23) Vinyl Acetate	5.06	43	1520505	10.579	ppbv	100
24) 1,1-Dichloroethane	5.00	63	1606838	11.734	ppbv	99
25) Ethyl Acetate	5.66	43	1711290	8.472	ppbv #	95
26) Hexane	5.67	57	1297917	11.650	ppbv #	77
27) Carbon Disulfide	4.53	76	1986322	11.899	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1559379	7.795	ppbv	100
29) Chloroform	5.74	83	2549478	11.643	ppbv	99
30) Cyclohexane	7.12	84	1370663	11.296	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1356310	11.835	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2510967	10.989	ppbv	99
34) 2-Butanone	5.23	43	568240	4.705	ppbv	98
35) Carbon Tetrachloride	7.01	117	2552170	12.836	ppbv	97
36) Benzene	6.88	78	3191147	11.535	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1575632	12.571	ppbv	99
38) Trichloroethene	7.82	130	1487242	11.006	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1095059	11.757	ppbv	98
40) 1,4-Dioxane	7.83	88	34478	0.781	ppbv #	1
41) Tetrahydrofuran	6.04	42	201238	2.933	ppbv	95
42) Bromodichloromethane	7.78	83	2632495	12.448	ppbv	98
43) Methyl Methacrylate	8.00	69	762794	7.228	ppbv	97

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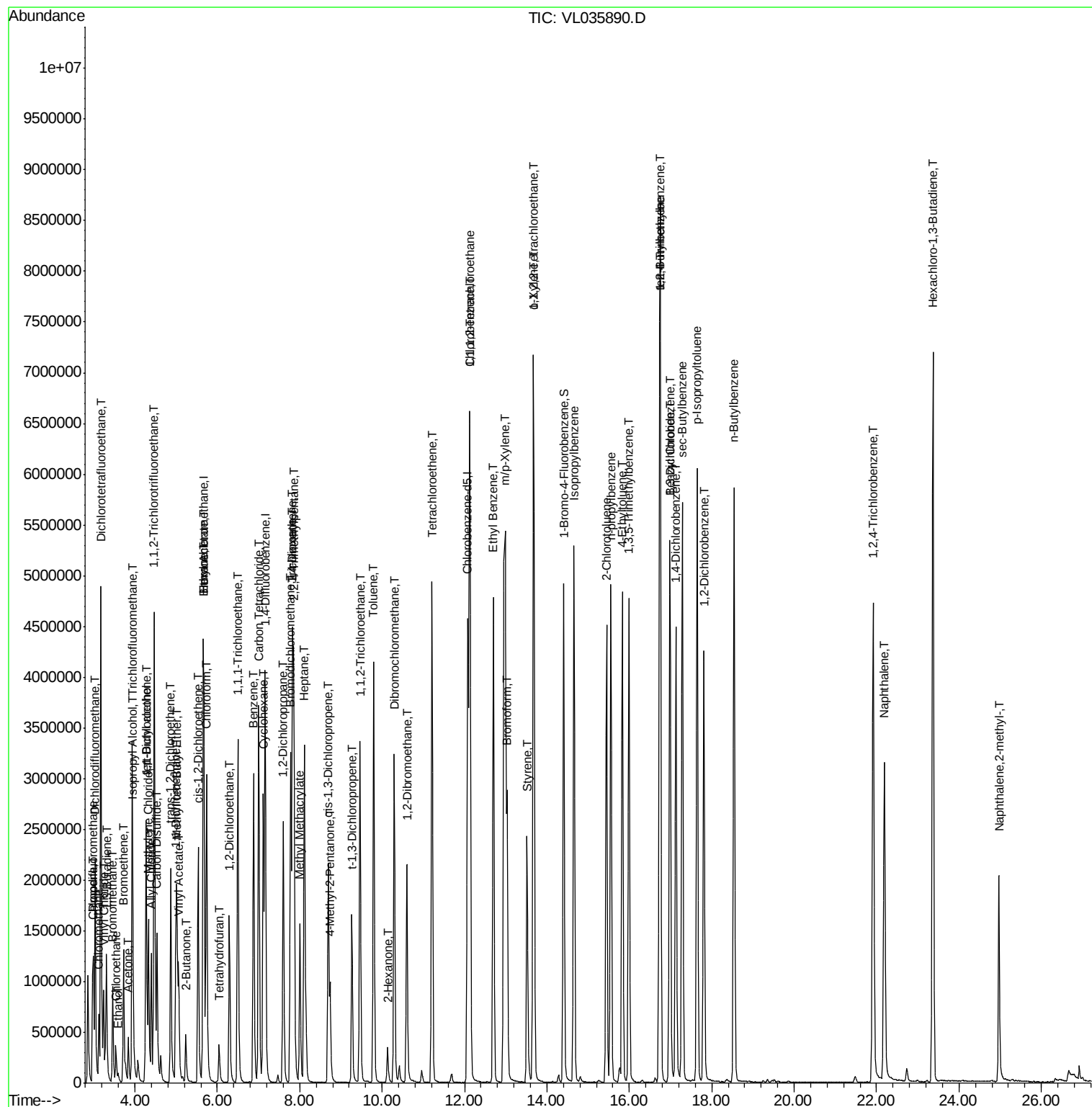
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4320752	11.802	ppbv	97
45) t-1,3-Dichloropropene	9.27	75	1151120	10.290	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1506310	10.632	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1408303	11.096	ppbv	99
48) Dibromochloromethane	10.29	129	2284531	11.782	ppbv	100
49) Bromoform	13.03	173	1683590	10.290	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	729324	3.949	ppbv	97
51) 2-Hexanone	10.13	43	287271	1.936	ppbv #	95
52) Tetrachloroethene	11.21	164	1412380	10.776	ppbv	100
53) Toluene	9.79	91	3894465	11.666	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2000903	10.367	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1589448	7.946	ppbv	97
57) Chlorobenzene	12.14	112	2999895	8.466	ppbv	99
58) Ethyl Benzene	12.70	91	4723580	8.703	ppbv	100
59) m/p-Xylene	12.99	91	4470272	9.734	ppbv #	44
60) o-Xylene	13.68	91	3795366	8.496	ppbv	99
61) Styrene	13.52	104	1640907	5.013	ppbv	99
62) Isopropylbenzene	14.66	105	5041605	7.180	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2543808	7.349	ppbv	99
64) n-propylbenzene	15.55	120	1404204	6.919	ppbv	91
65) tert-Butylbenzene	16.74	119	4519569	7.072	ppbv	99
66) Benzyl Chloride	16.98	91	590062	2.793	ppbv	97
67) sec-Butylbenzene	17.29	105	6064207	7.041	ppbv	98
69) p-Isopropyltoluene	17.64	119	5154835	7.253	ppbv	99
70) n-Butylbenzene	18.54	91	5180082	7.568	ppbv	99
71) 2-Chlorotoluene	15.45	91	3782009	7.364	ppbv	98
72) 4-Ethyltoluene	15.83	105	4472598	8.255	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3980028	8.027	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4187044	7.881	ppbv	100
75) 1,3-Dichlorobenzene	16.99	146	2763273	8.169	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2725416	8.352	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2587268	7.846	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1914058	12.440	ppbv	99
79) Naphthalene	22.19	128	4737242	12.791	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1395031	23.114	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	2559685	12.370	ppbv	99

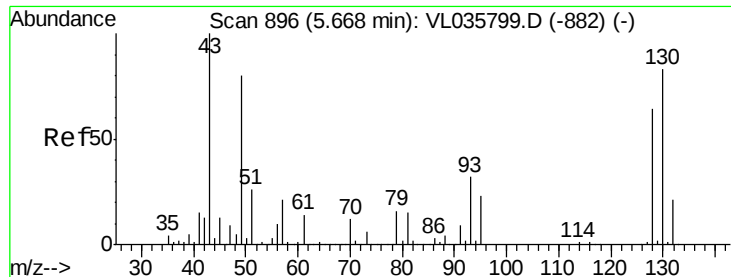
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

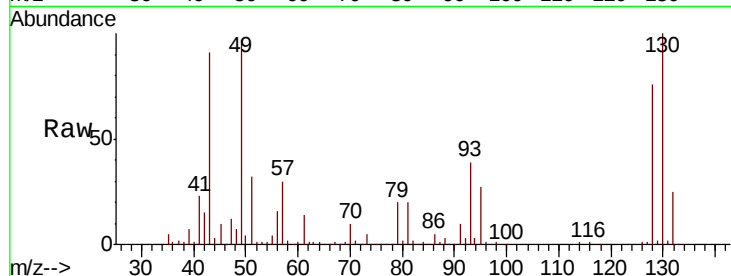
Tot Ion: 49 Resp: 959135

Ion Ratio Lower Upper

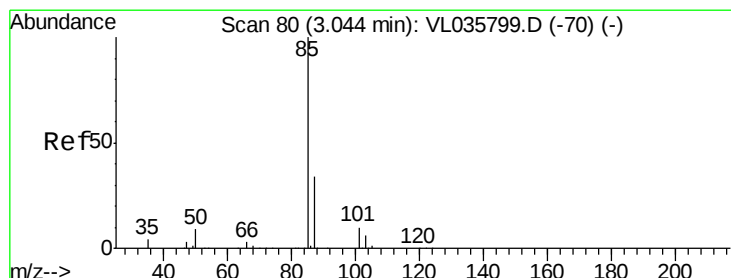
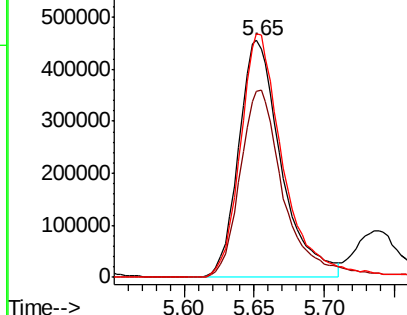
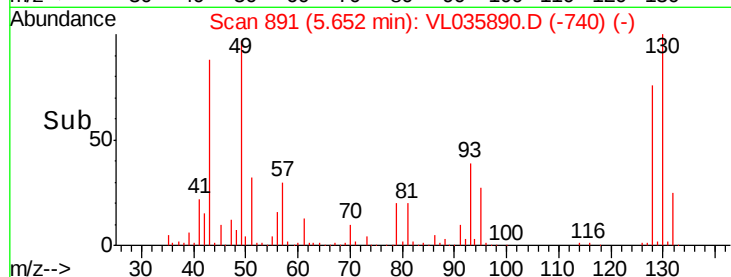
49 100

128 82.7 41.5 124.6

130 105.3 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: 11.110 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL035890.D

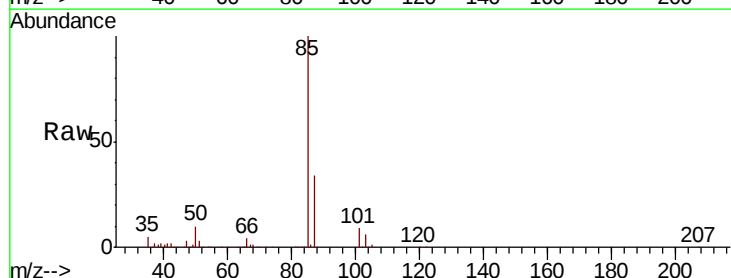
Acq: 6 Nov 2020 16:03

Tgt Ion: 85 Resp: 2006215

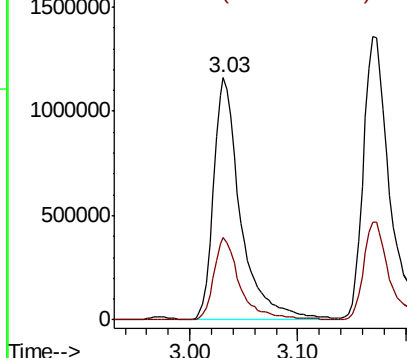
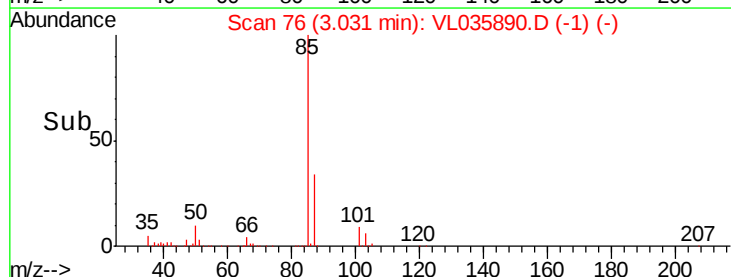
Ion Ratio Lower Upper

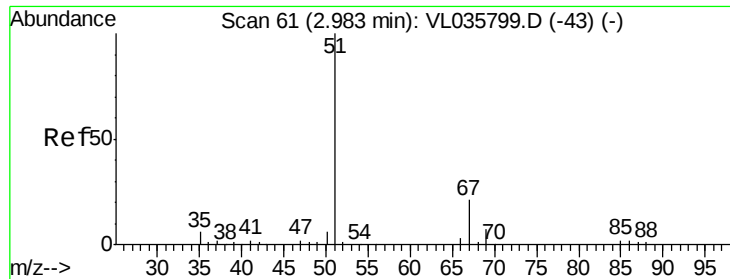
85 100

87 33.9 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: 11.189 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

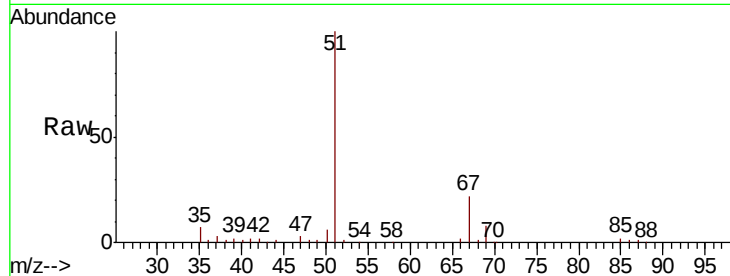
VSTDCCC010EC

Tot Ion: 51 Resp: 1285104

Ion Ratio Lower Upper

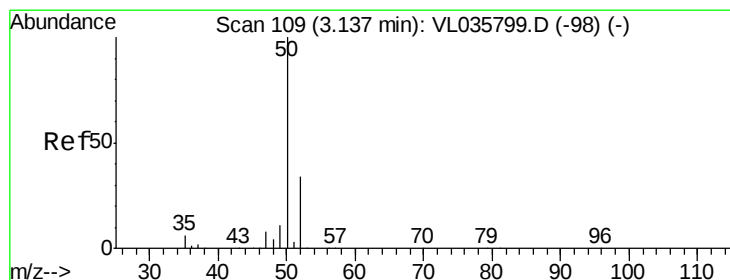
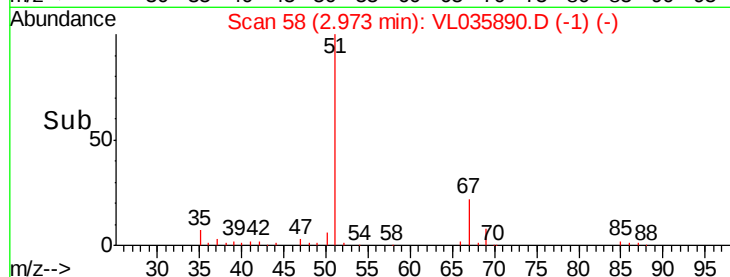
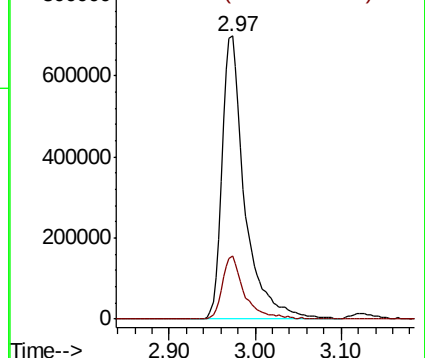
51 100

67 21.7 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: 11.695 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035890.D

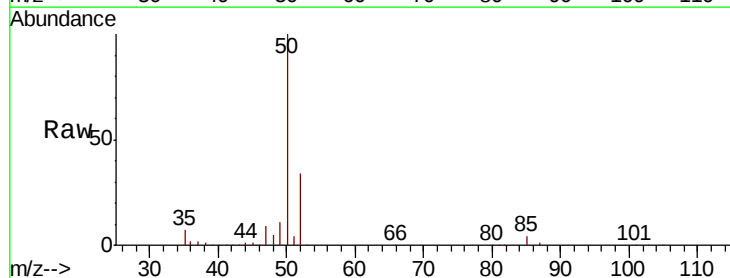
Acq: 6 Nov 2020 16:03

Tgt Ion: 50 Resp: 652576

Ion Ratio Lower Upper

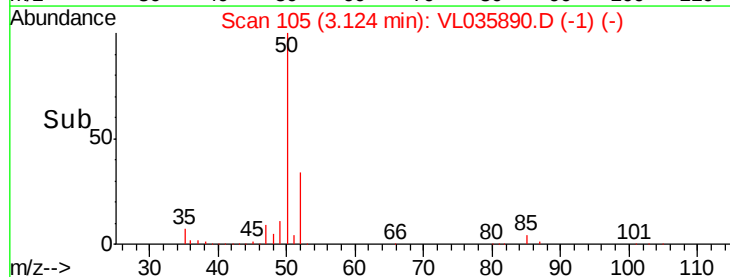
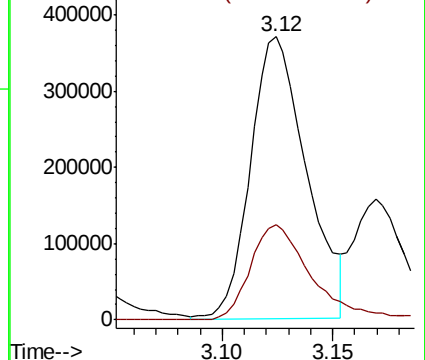
50 100

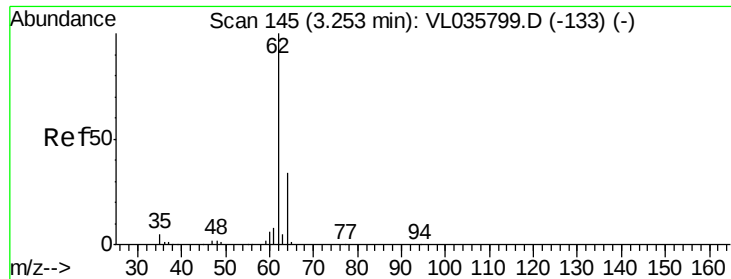
52 33.9 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.571 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

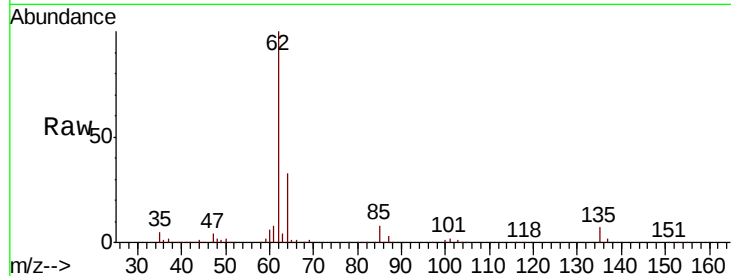
VSTDCCC010EC

Tot Ion: 62 Resp: 823058

Ion Ratio Lower Upper

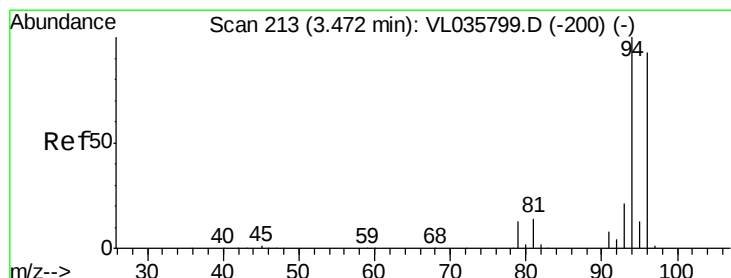
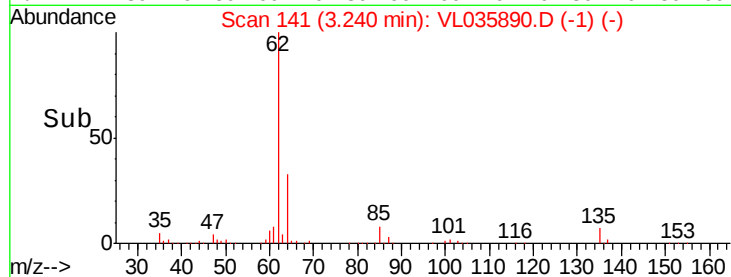
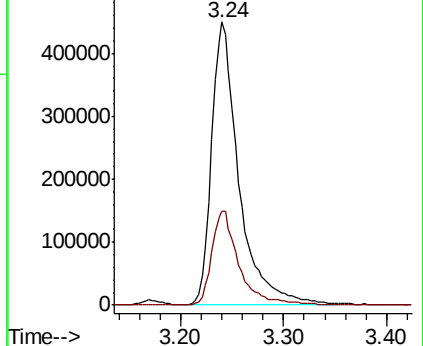
62 100

64 33.3 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: 11.659 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL035890.D

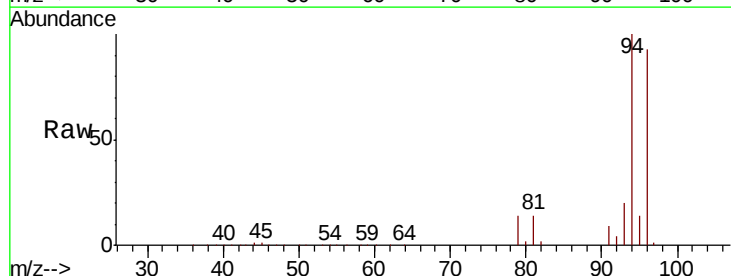
Acq: 6 Nov 2020 16:03

Tgt Ion: 94 Resp: 666942

Ion Ratio Lower Upper

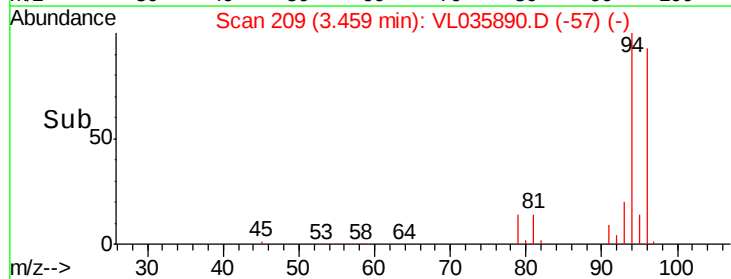
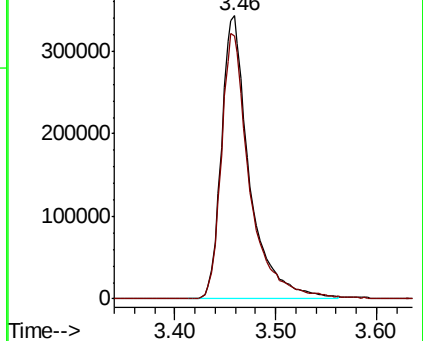
94 100

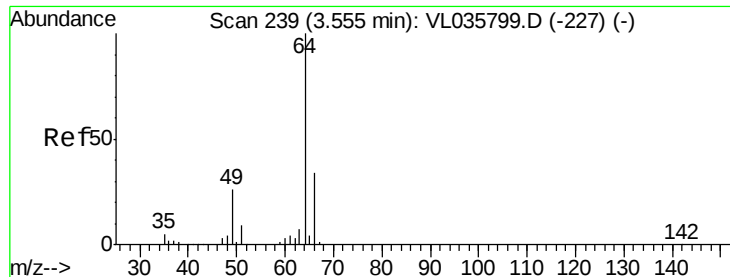
96 92.9 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 12.016 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

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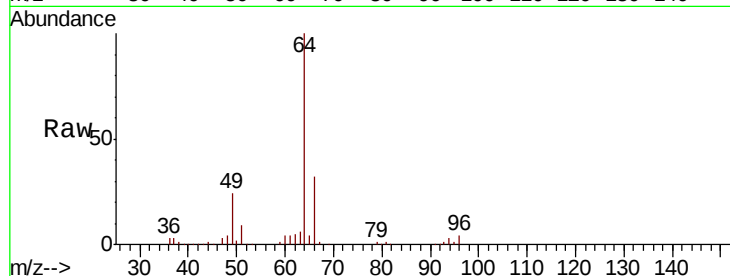
VSTDCCC010EC

Tot Ion: 64 Resp: 300808

Ion Ratio Lower Upper

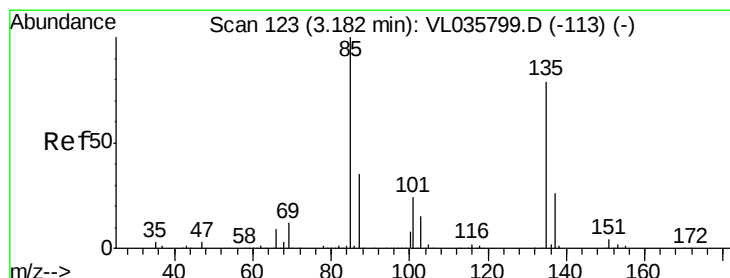
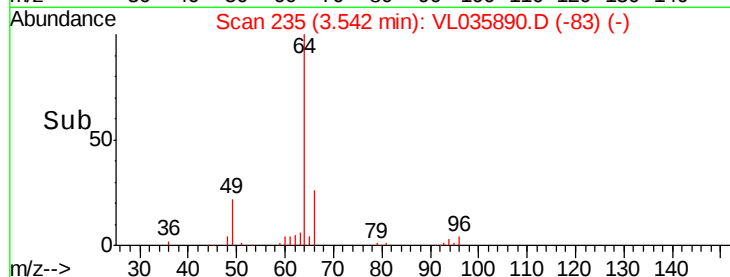
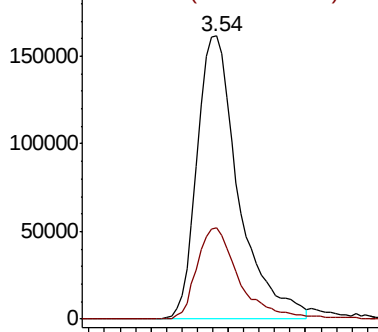
64 100

66 32.3 27.0 40.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.408 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL035890.D

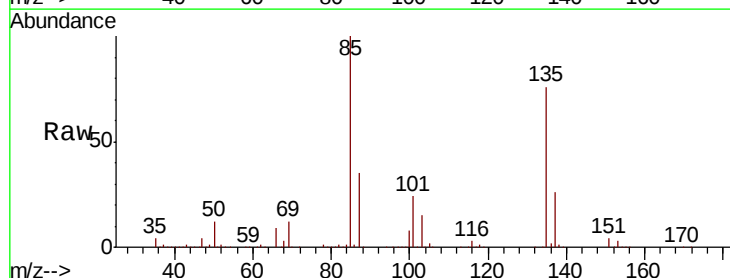
Acq: 6 Nov 2020 16:03

Tgt Ion: 85 Resp: 2357674

Ion Ratio Lower Upper

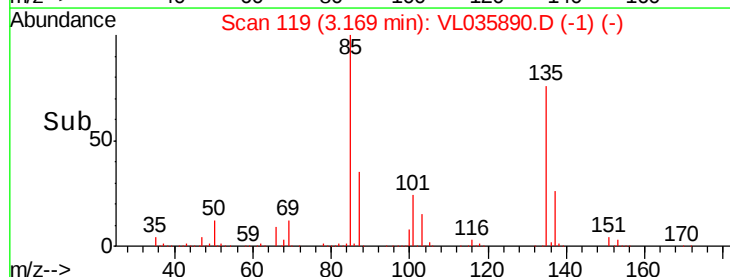
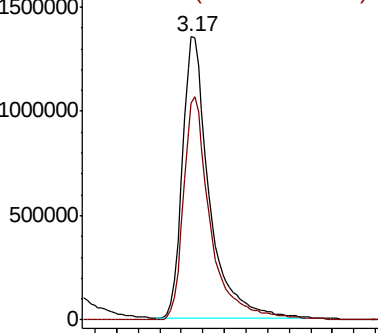
85 100

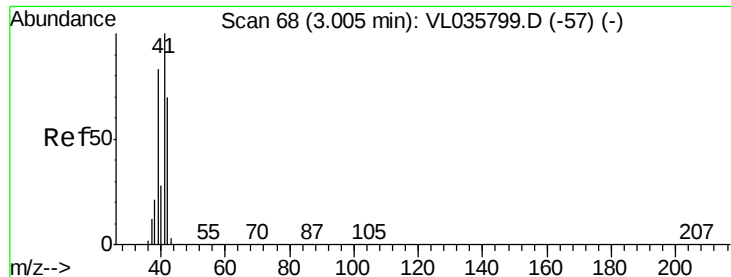
135 80.1 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.013 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035890.D

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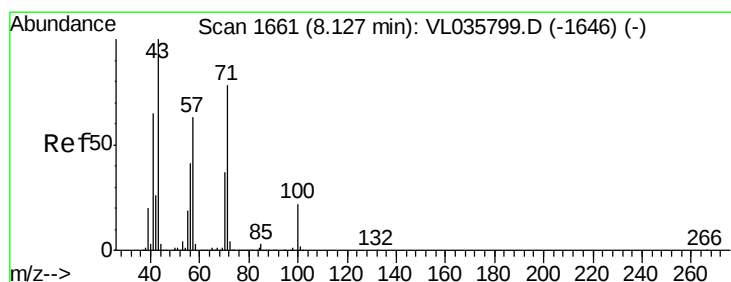
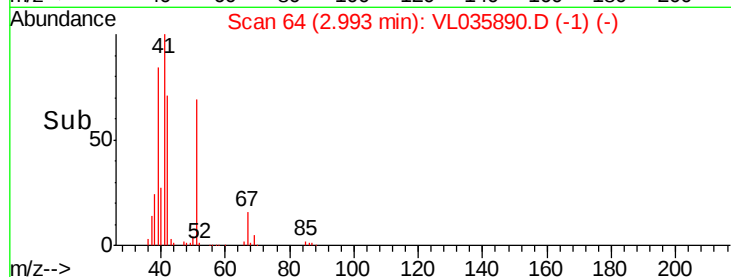
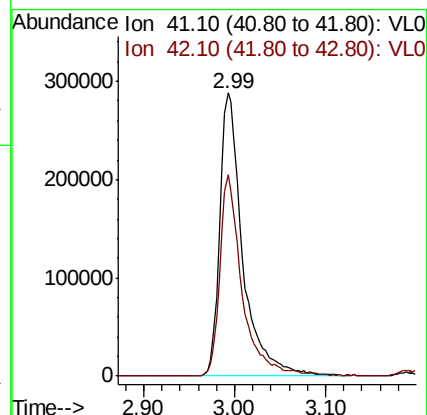
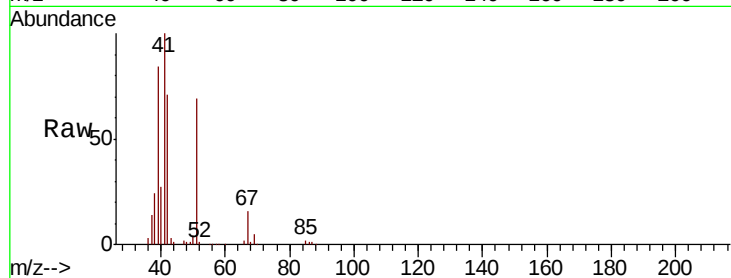
VSTDCCC010EC

Tot Ion: 41 Resp: 505039

Ion Ratio Lower Upper

41 100

42 69.4 56.2 84.4



#10

Heptane

Concen: 12.539 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL035890.D

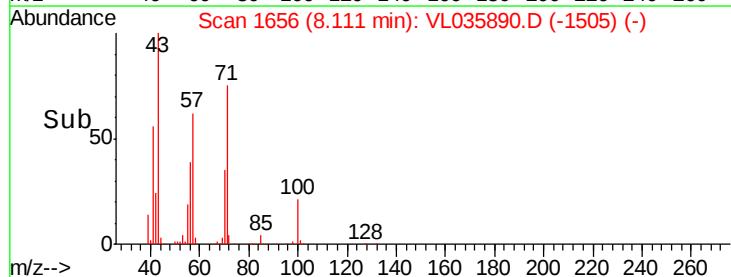
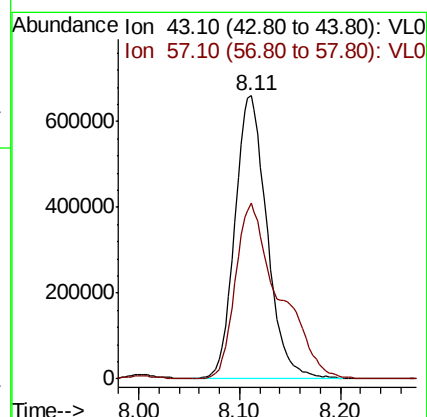
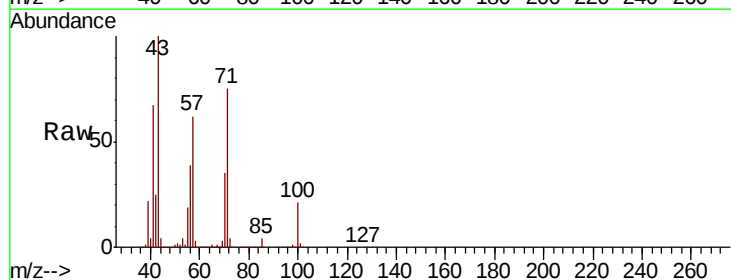
Acq: 6 Nov 2020 16:03

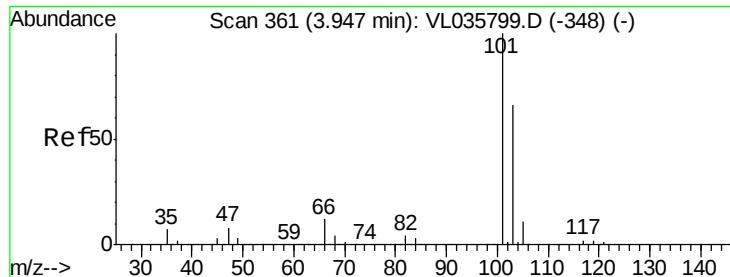
Tgt Ion: 43 Resp: 1456017

Ion Ratio Lower Upper

43 100

57 85.4 50.0 75.0#

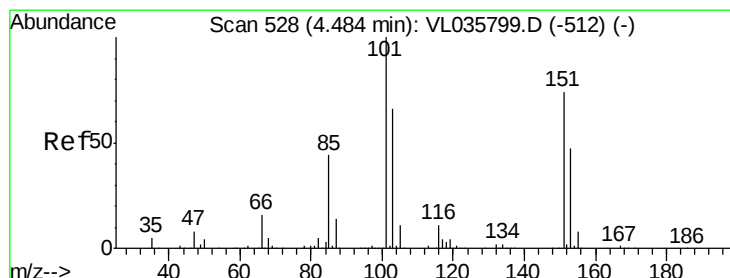
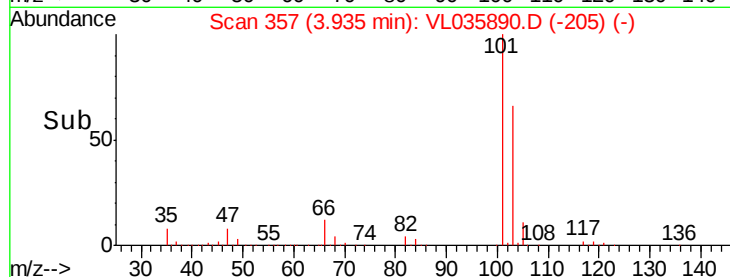
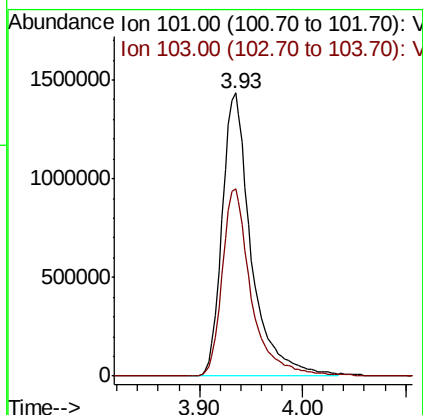
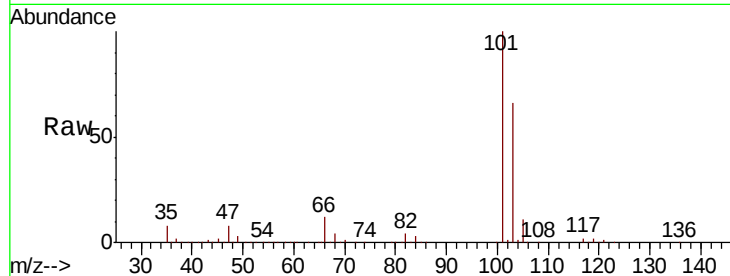




#11
 Trichlorofluoromethane
 Concen: 12.422 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

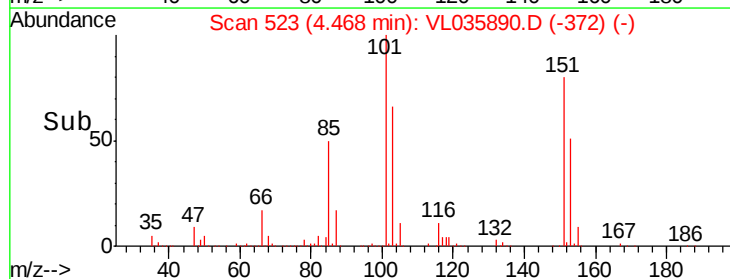
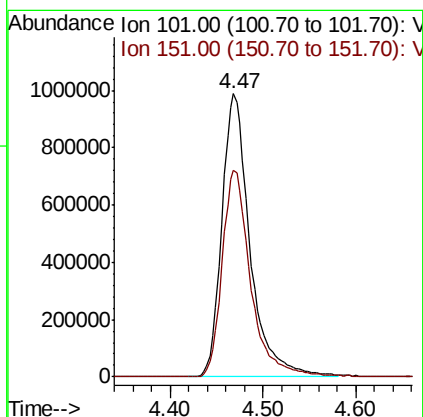
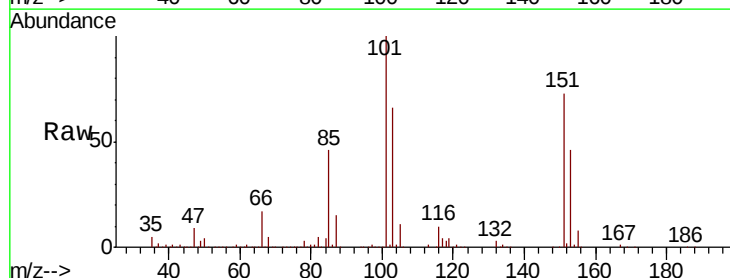
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

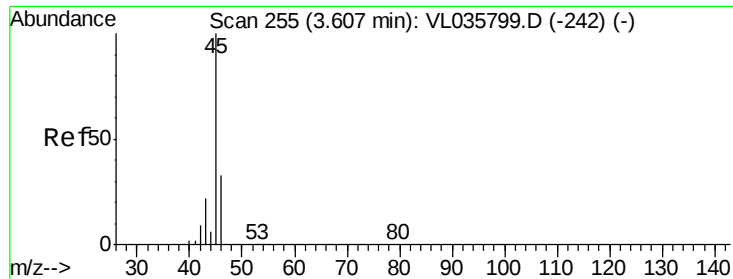
Tot Ion:101 Resp: 2816671
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.344 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion:101 Resp: 2083883
 Ion Ratio Lower Upper
 101 100
 151 74.4 58.9 88.3





#13

Ethanol

Concen: 9.248 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

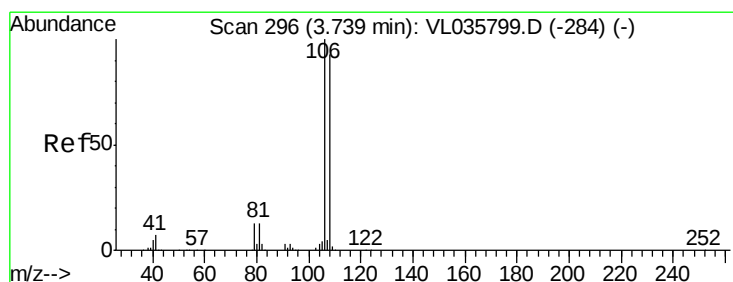
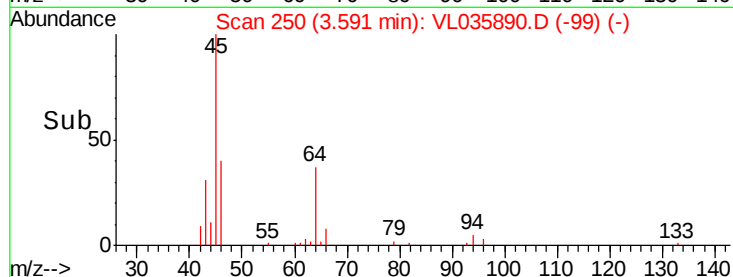
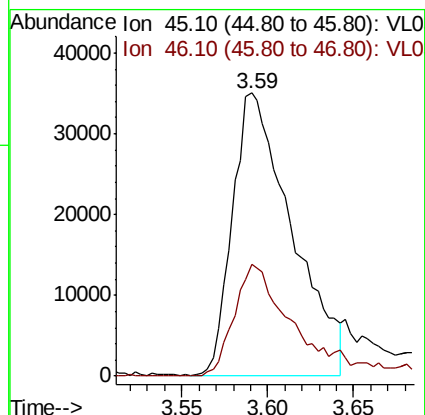
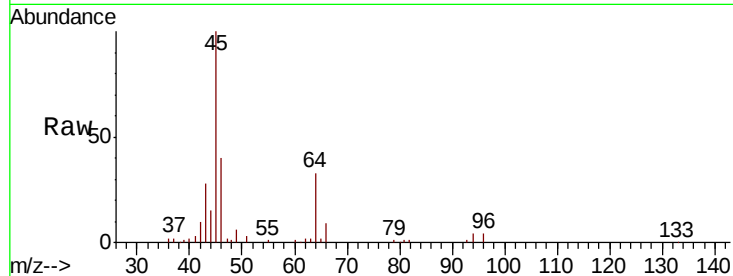
VSTDCCC010EC

Tot Ion: 45 Resp: 84349

Ion Ratio Lower Upper

45 100

46 42.5 16.1 64.5



#14

Bromoethene

Concen: 11.290 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

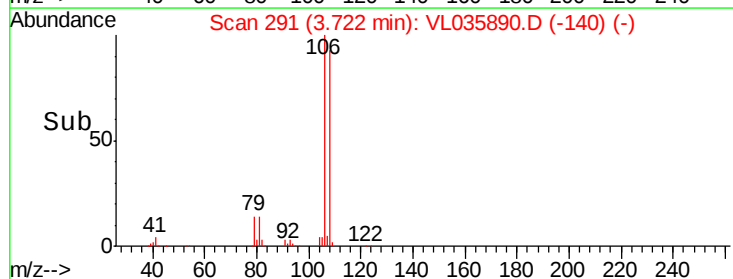
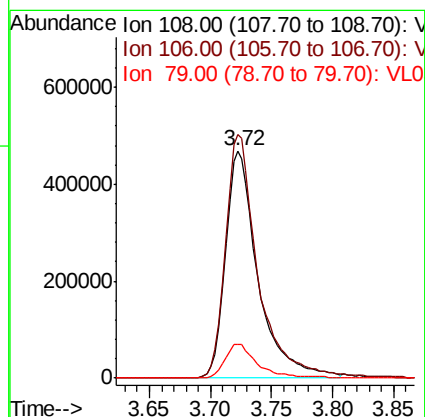
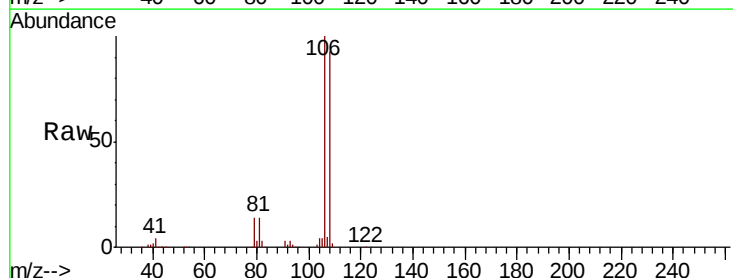
Tgt Ion: 108 Resp: 877159

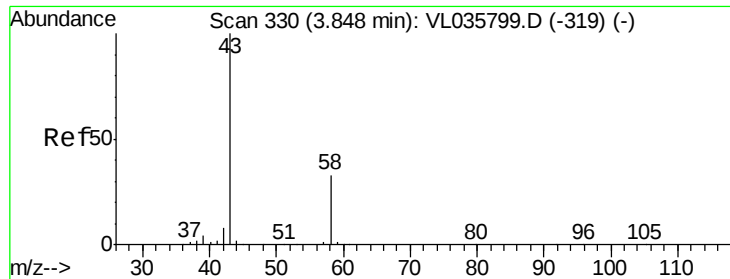
Ion Ratio Lower Upper

108 100

106 108.0 85.3 127.9

79 15.3 11.6 17.4





#15

Acetone

Concen: 5.143 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

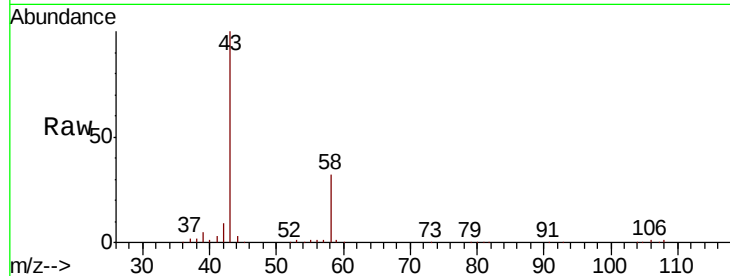
VSTDCCC010EC

Tot Ion: 43 Resp: 527394

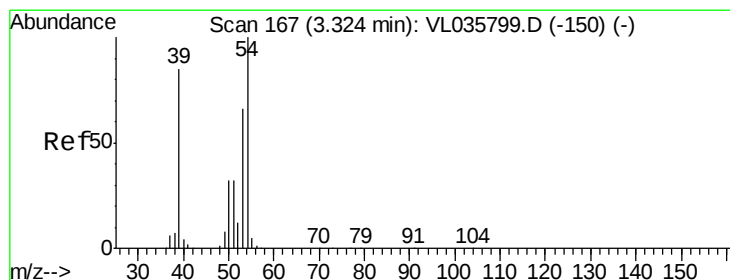
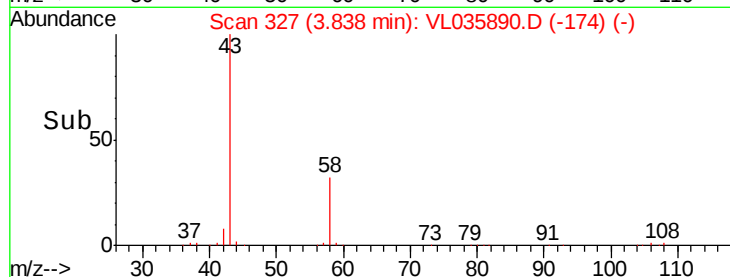
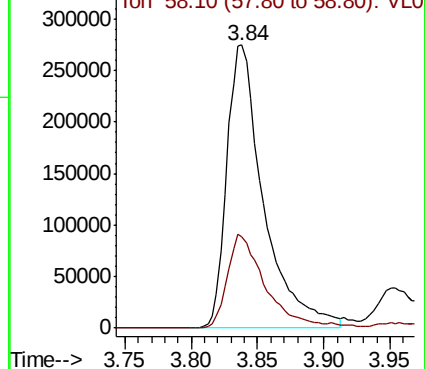
Ion Ratio Lower Upper

43 100

58 34.8 27.5 41.3



Abundance Ion 43.10 (42.80 to 43.80): VL0



#16

1,3-Butadiene

Concen: 13.253 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL035890.D

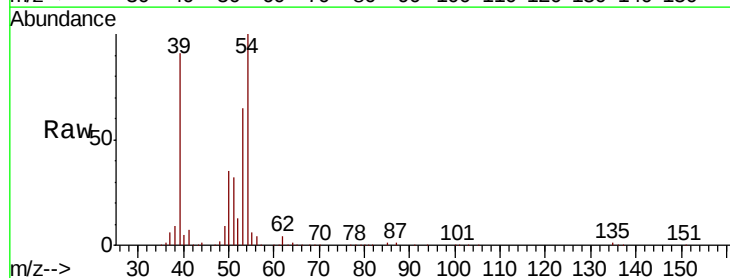
Acq: 6 Nov 2020 16:03

Tgt Ion: 39 Resp: 585090

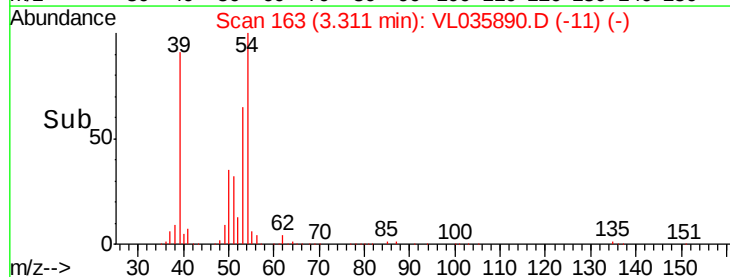
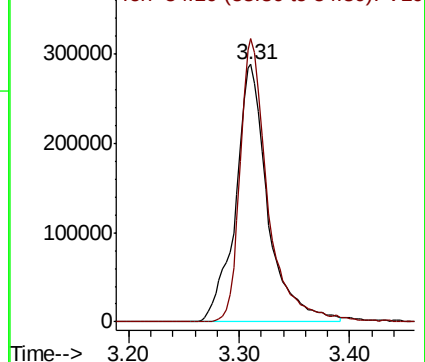
Ion Ratio Lower Upper

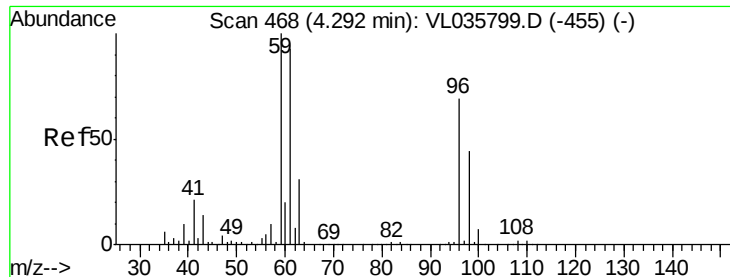
39 100

54 95.6 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0



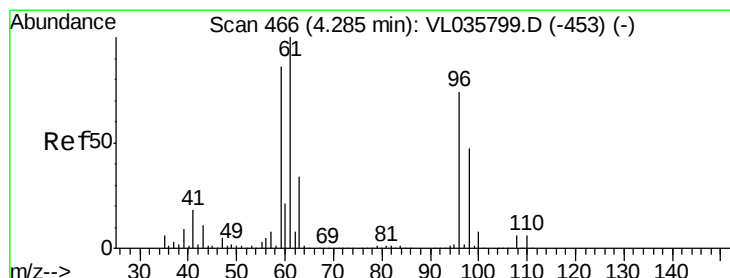
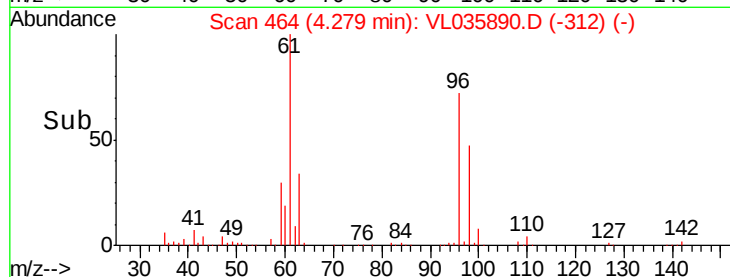
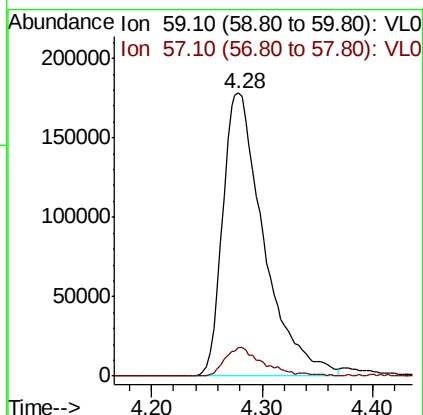
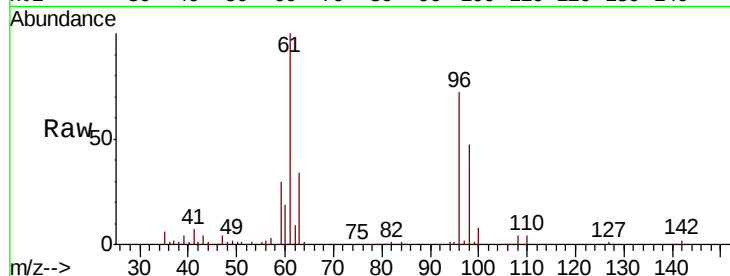


#17

tert-Butyl alcohol
Concen: 3.381 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

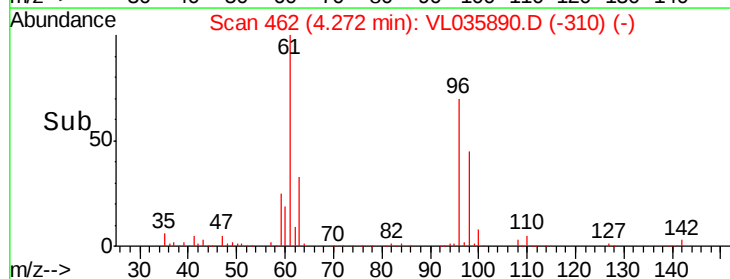
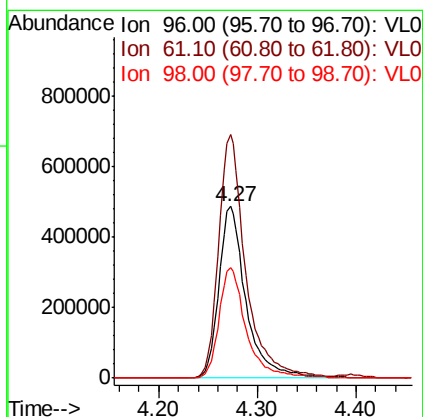
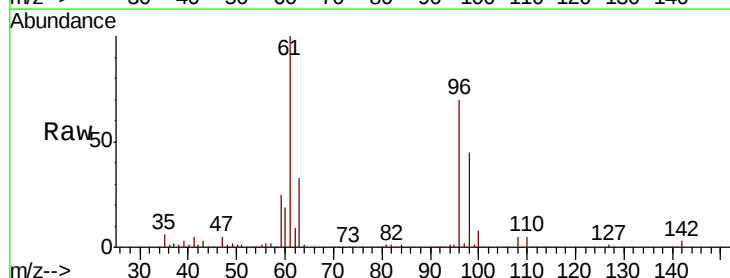
Tot Ion: 59 Resp: 459471
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4

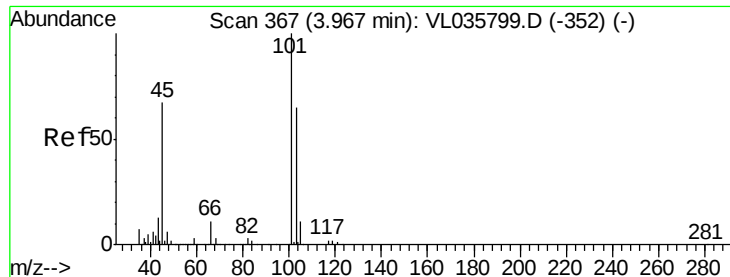


#18

1,1-Dichloroethene
Concen: 12.162 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 96 Resp: 942699
Ion Ratio Lower Upper
96 100
61 142.0 108.5 162.7
98 64.5 50.7 76.1





#19

Isopropyl Alcohol

Concen: 4.503 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

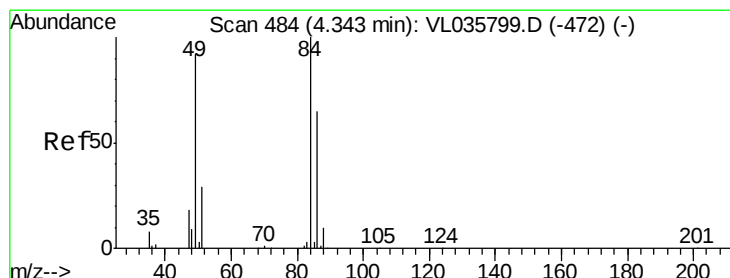
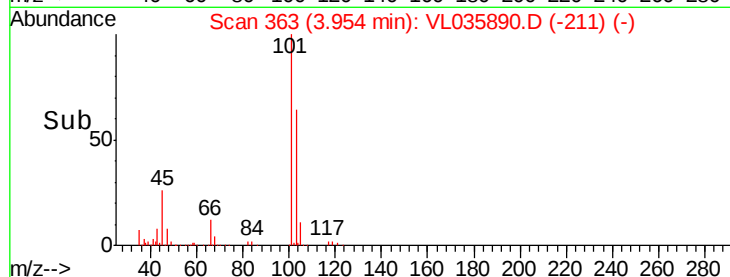
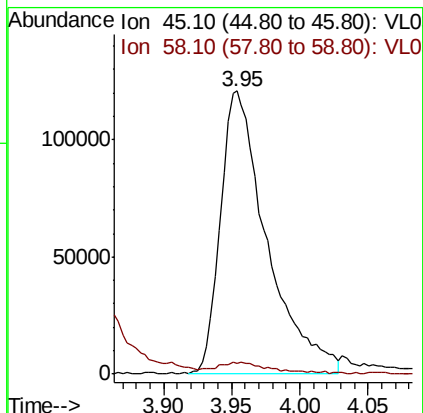
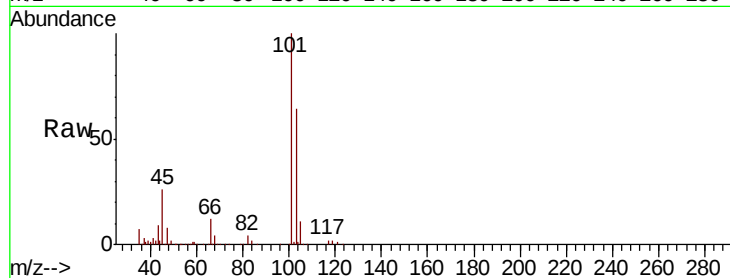
VSTDCCC010EC

Tot Ion: 45 Resp: 283738

Ion Ratio Lower Upper

45 100

58 4.5 2.6 3.8#



#20

Methylene Chloride

Concen: 10.784 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Tgt Ion: 84 Resp: 778409

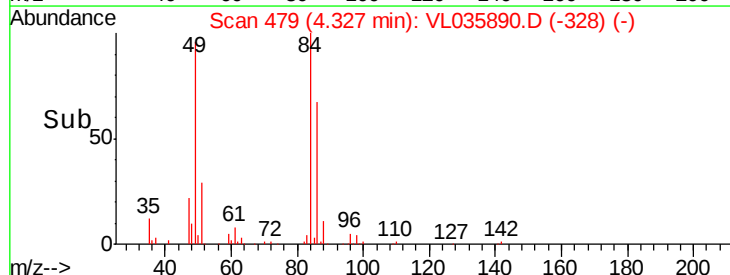
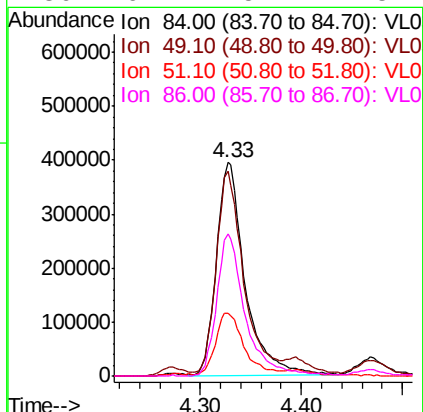
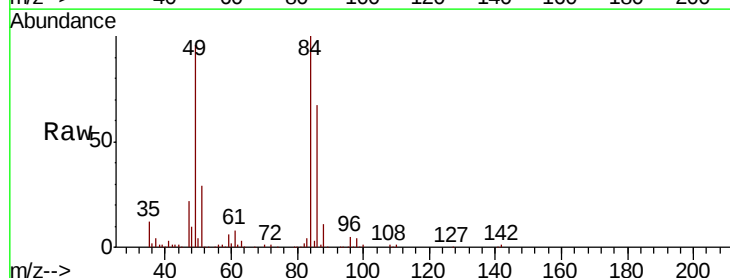
Ion Ratio Lower Upper

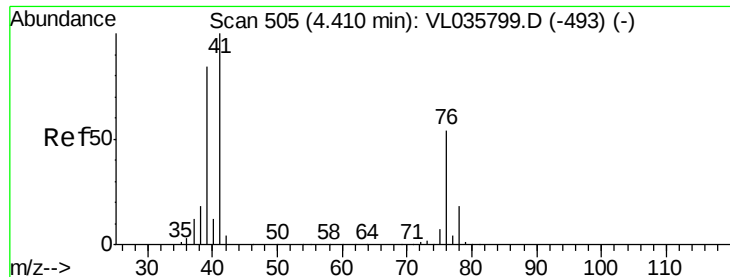
84 100

49 94.9 73.8 110.8

51 29.2 23.0 34.4

86 67.1 52.1 78.1





#21

Allvl Chloride

Concen: 11.760 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

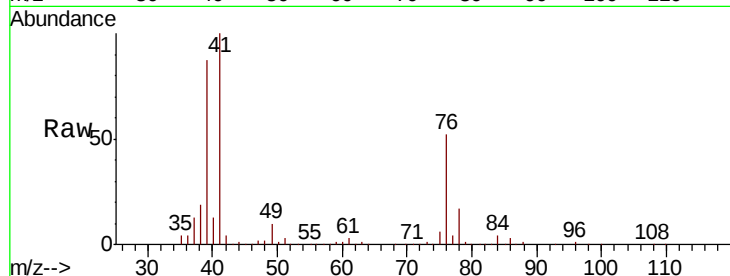
Tot Ion: 41 Resp: 652134

Ion Ratio Lower Upper

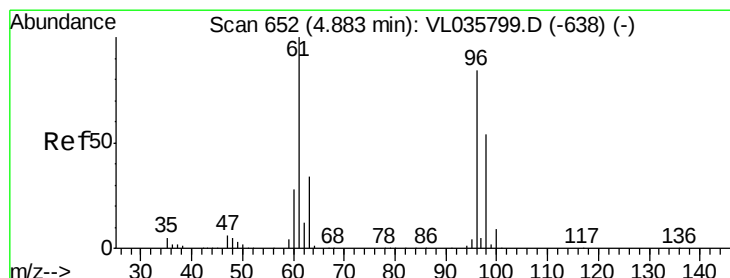
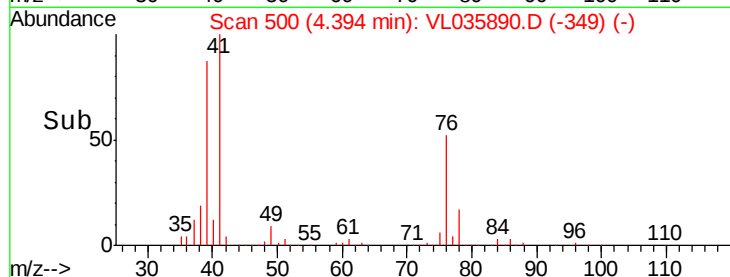
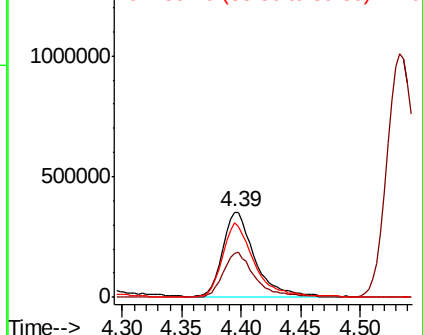
41 100

76 53.3 42.6 63.8

39 87.7 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: 12.197 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

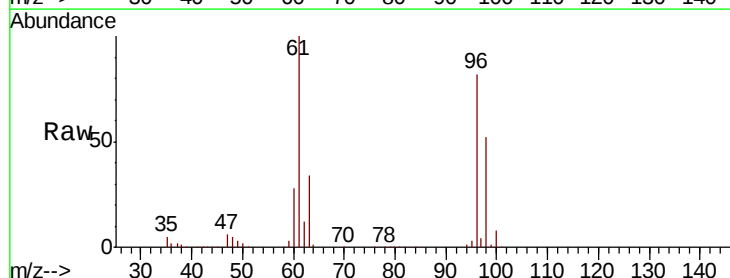
Tgt Ion: 96 Resp: 958400

Ion Ratio Lower Upper

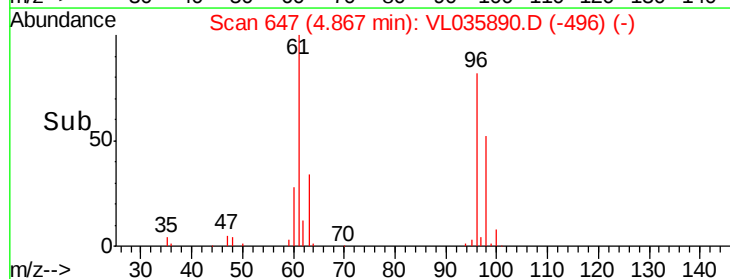
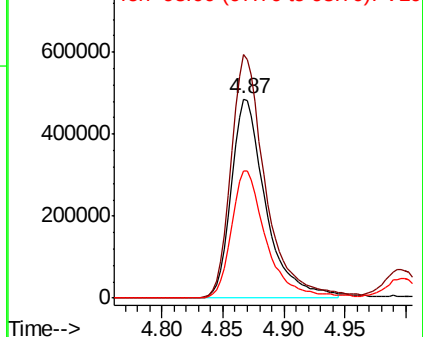
96 100

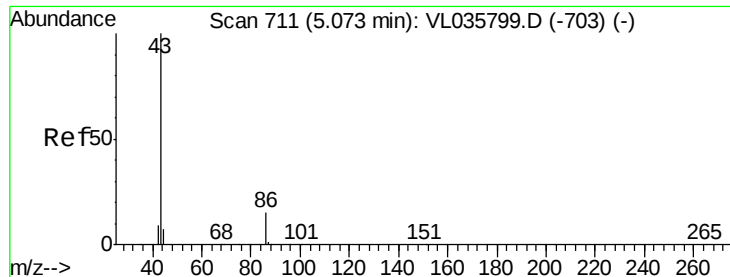
61 122.4 95.4 143.0

98 64.0 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



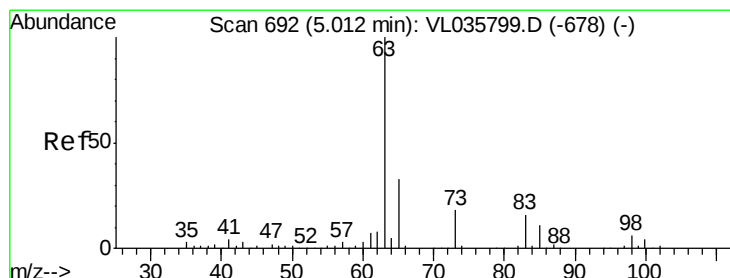
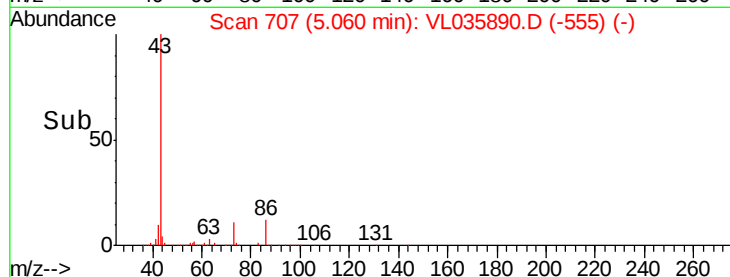
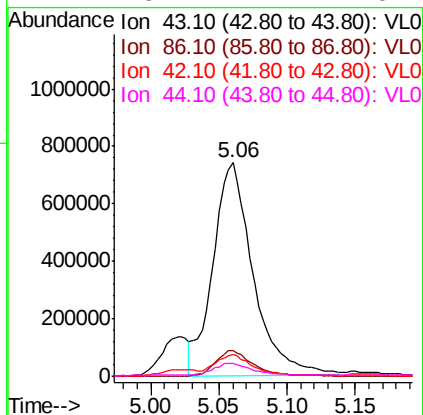
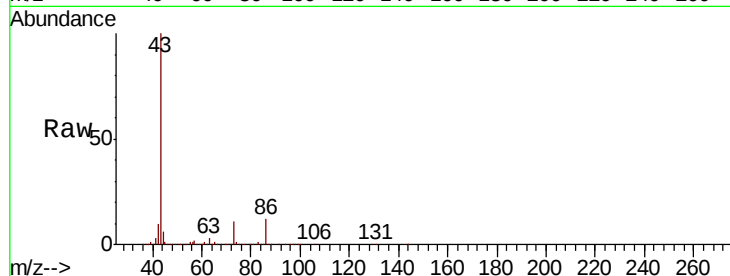


#23
 Vinyl Acetate
 Concen: 10.579 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 43 Resp: 1520505

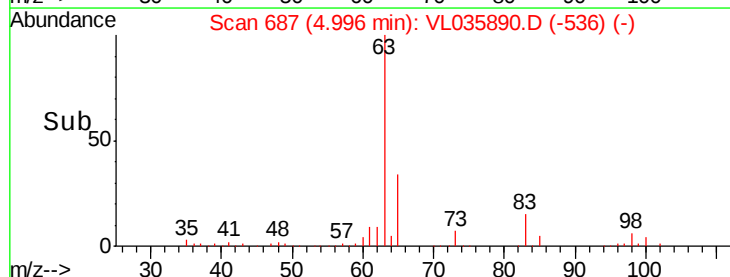
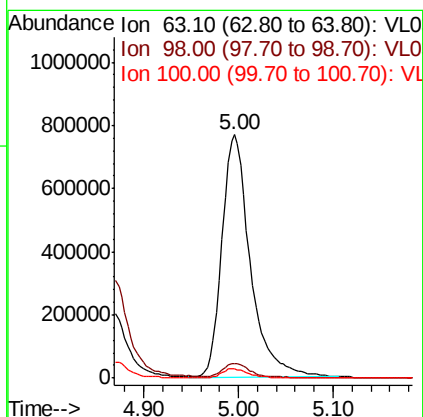
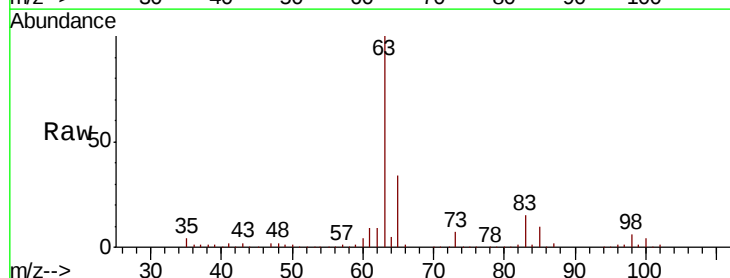
Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.8	14.6
42	10.2	8.1	12.1
44	5.4	4.2	6.4

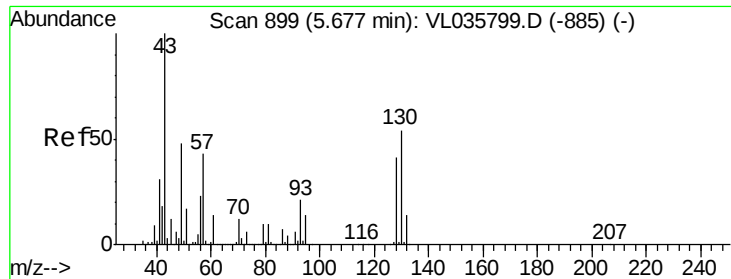


#24
 1,1-Dichloroethane
 Concen: 11.734 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 63 Resp: 1606838

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.2
100	4.1	1.8	5.4

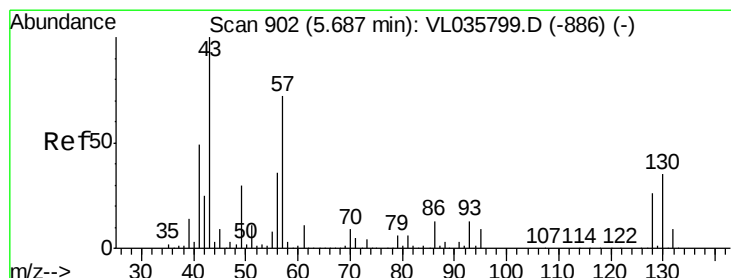
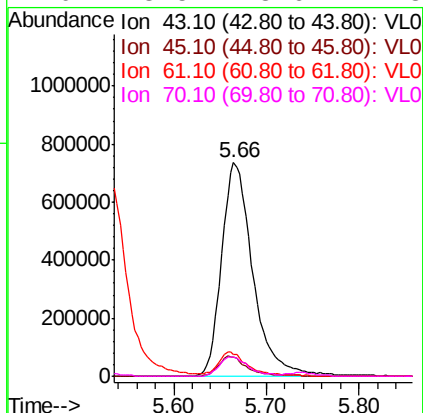
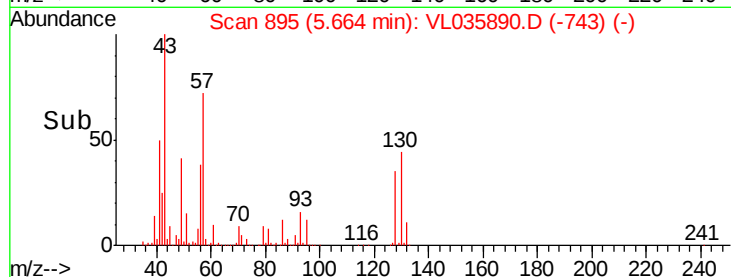
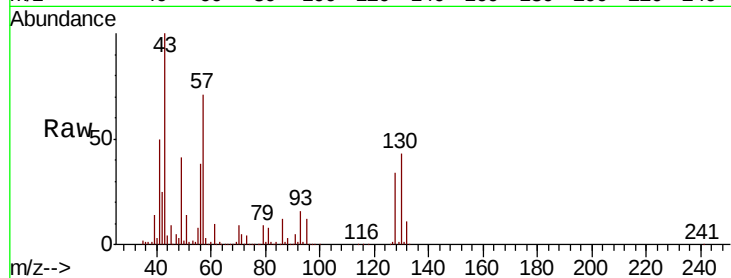




#25
Ethyl Acetate
Concen: 8.472 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

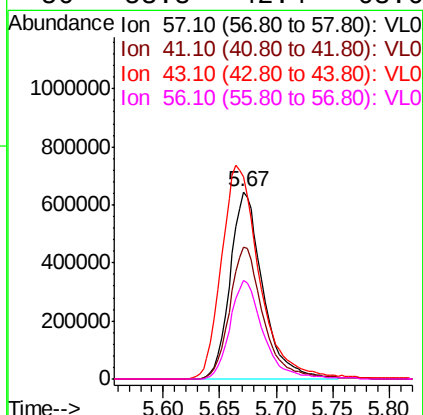
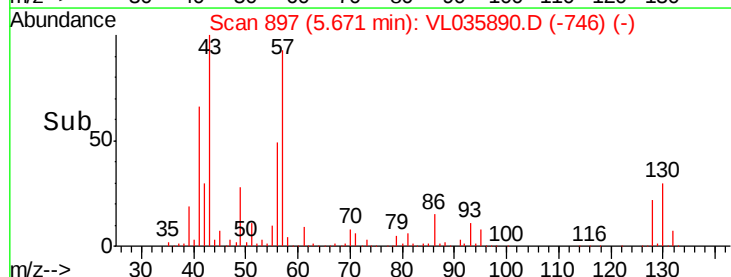
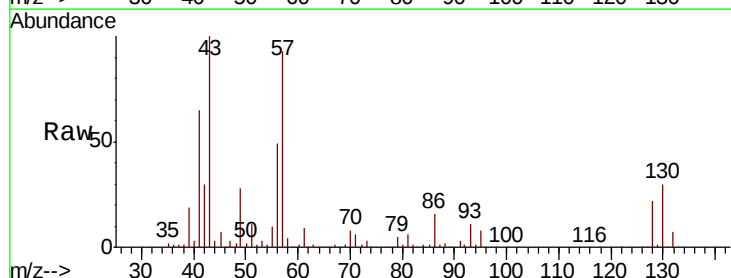
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

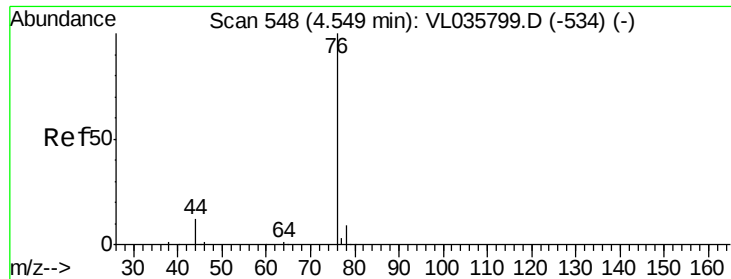
Tot Ion: 43 Resp: 1711290
Ion Ratio Lower Upper
43 100
45 8.7 8.5 12.7
61 11.3 10.7 16.1
70 8.5 8.6 12.8#



#26
Hexane
Concen: 11.650 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 57 Resp: 1297917
Ion Ratio Lower Upper
57 100
41 72.6 58.9 88.3
43 132.9 150.2 225.2#
56 53.8 42.4 63.6





#27

Carbon Disulfide

Concen: 11.899 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

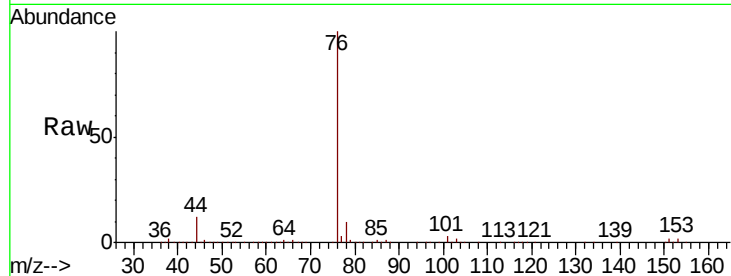
Tot Ion: 76 Resp: 1986322

Ion Ratio Lower Upper

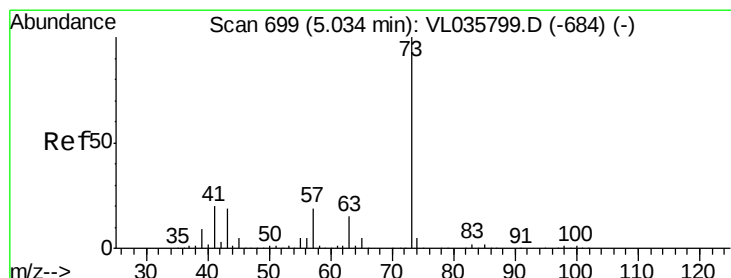
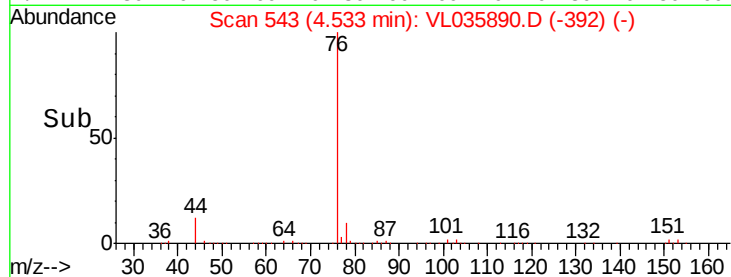
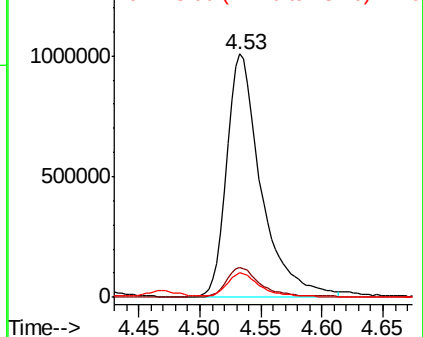
76 100

44 12.4 9.9 14.9

78 10.3 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: 7.795 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL035890.D

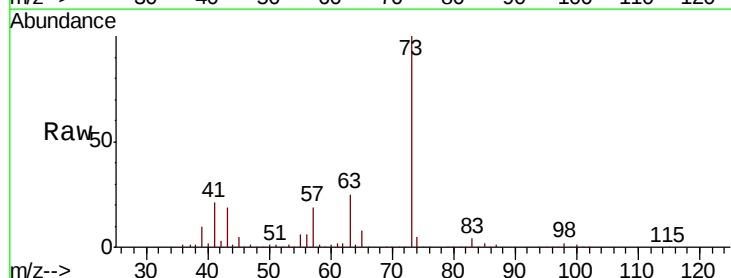
Acq: 6 Nov 2020 16:03

Tgt Ion: 73 Resp: 1559379

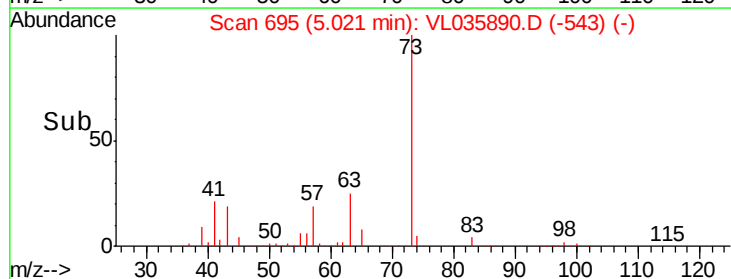
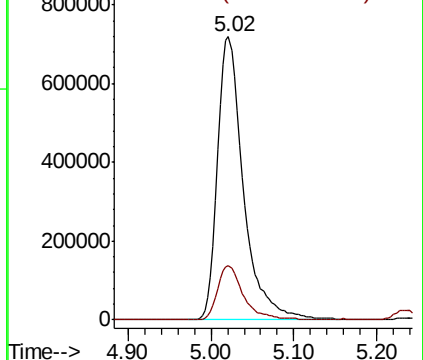
Ion Ratio Lower Upper

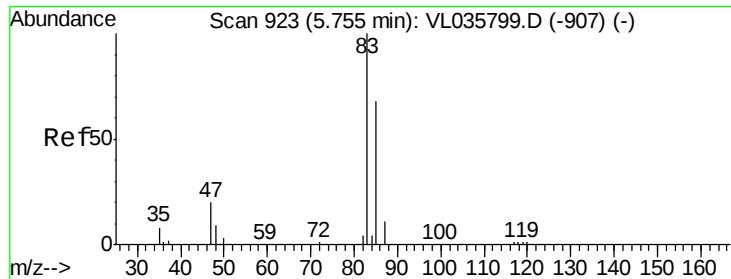
73 100

57 19.2 15.4 23.2



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

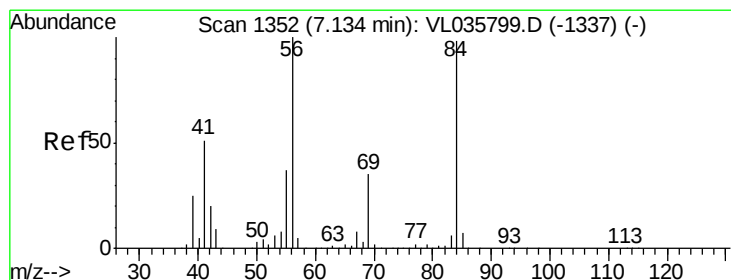
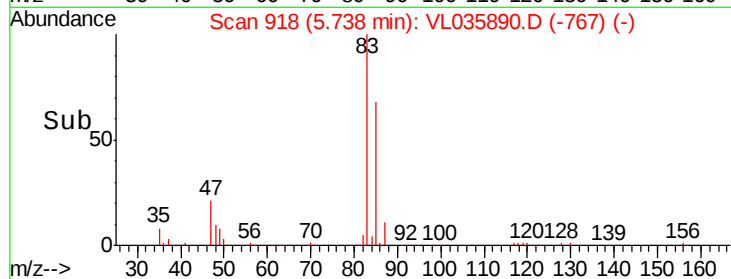
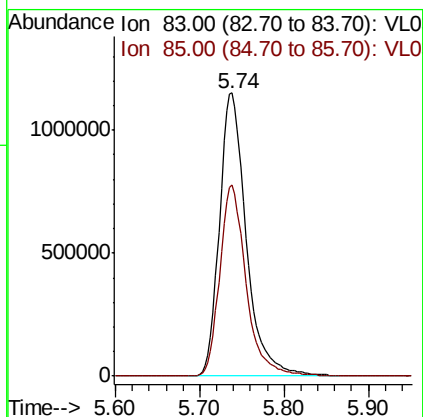
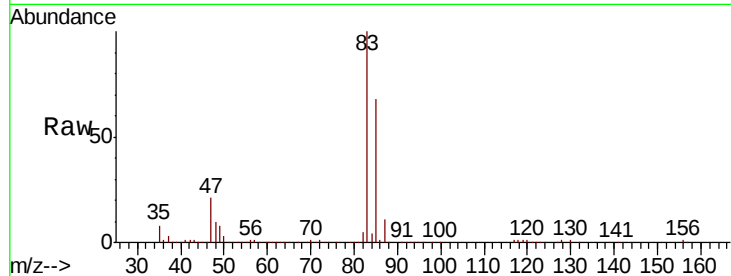




#29
Chloroform
Concen: 11.643 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

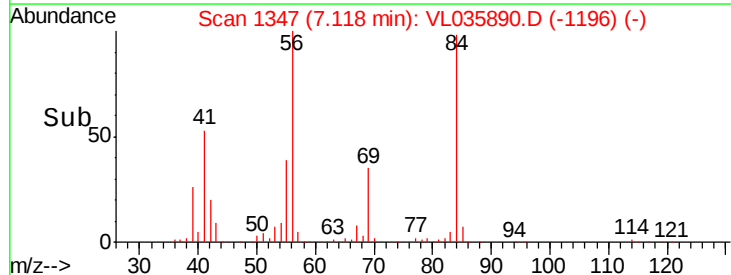
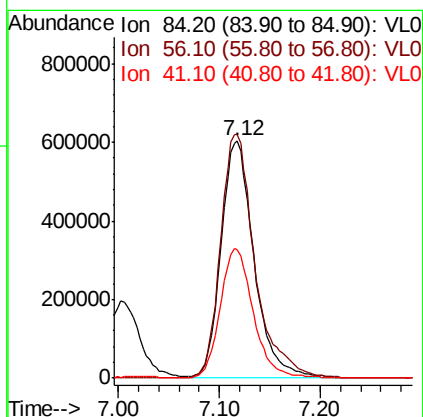
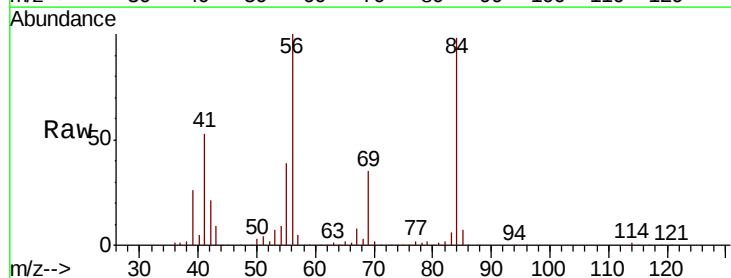
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

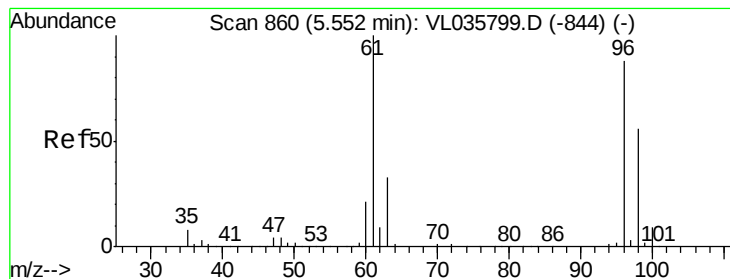
Tot Ion: 83 Resp: 2549478
Ion Ratio Lower Upper
83 100
85 67.6 54.6 81.8



#30
Cyclohexane
Concen: 11.296 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 84 Resp: 1370663
Ion Ratio Lower Upper
84 100
56 108.4 86.4 129.6
41 55.2 42.1 63.1



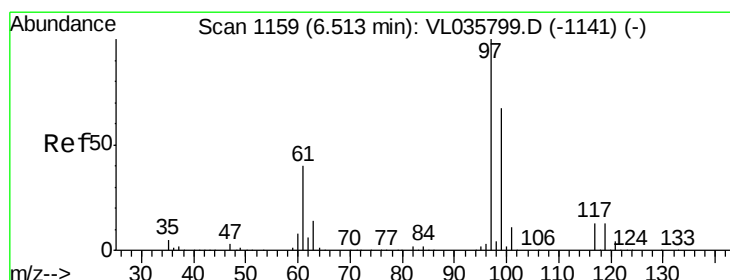
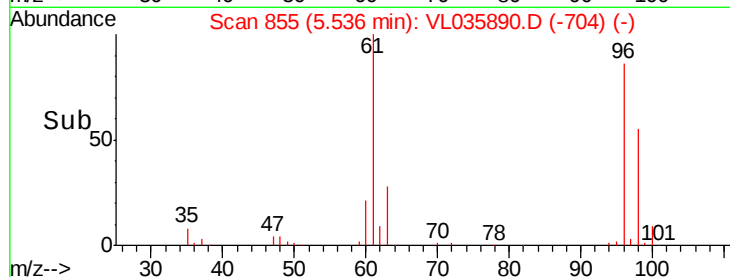
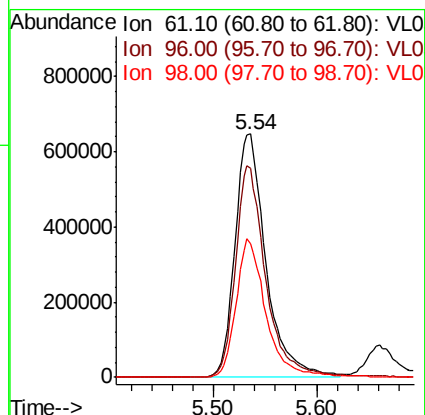
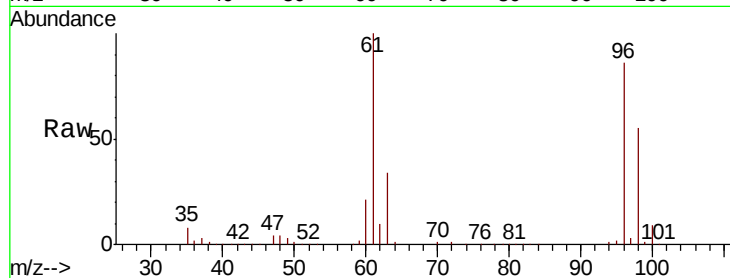


#31

cis-1,2-Dichloroethene
 Concen: 11.835 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

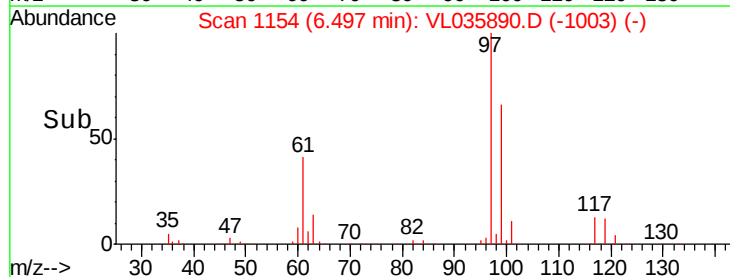
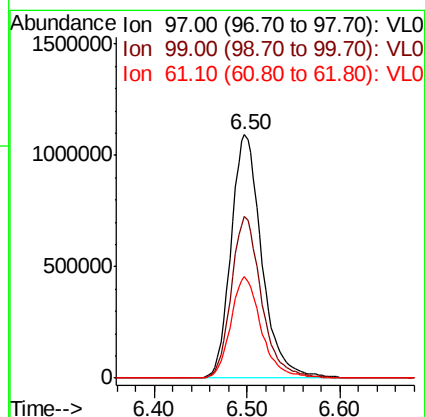
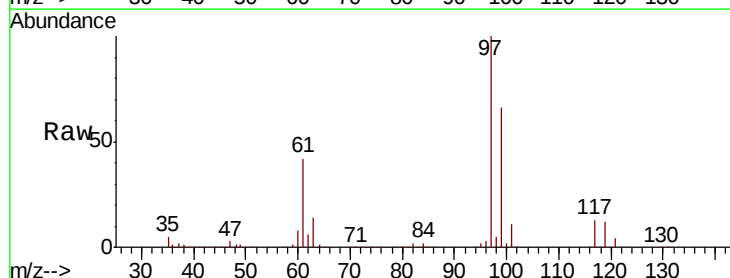
Tot Ion: 61 Resp: 1356310
 Ion Ratio Lower Upper
 61 100
 96 85.6 70.3 105.5
 98 55.0 45.0 67.6

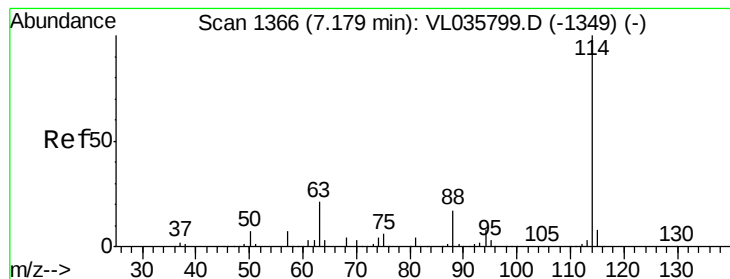


#32

1,1,1-Trichloroethane
 Concen: 10.989 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 97 Resp: 2510967
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.3 78.5
 61 41.5 32.0 48.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

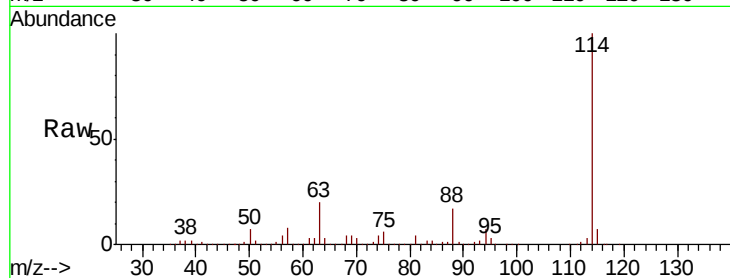
Tot Ion:114 Resp: 3721372

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

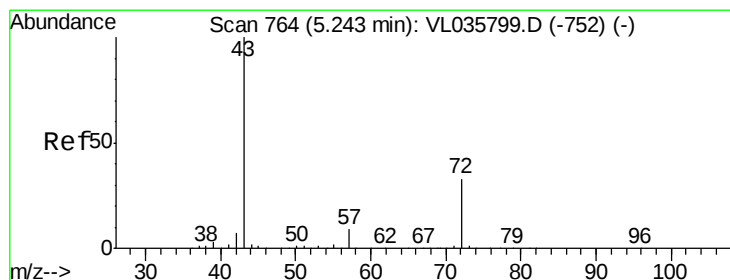
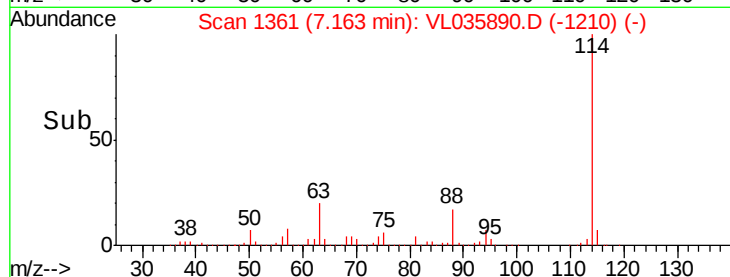
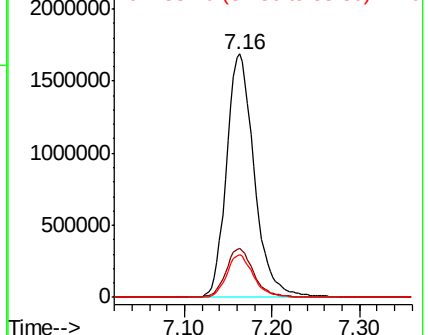
88 17.0 13.7 20.5



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: 4.705 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.01 min

Lab File: VL035890.D

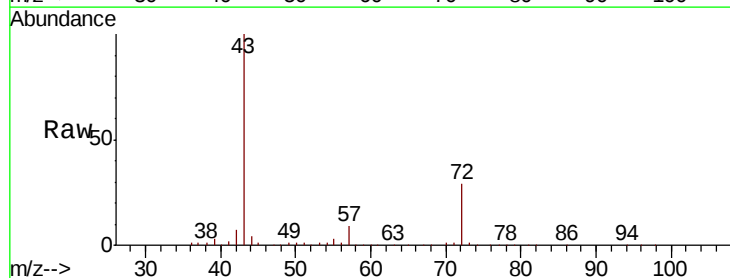
Acq: 6 Nov 2020 16:03

Tgt Ion: 43 Resp: 568240

Ion Ratio Lower Upper

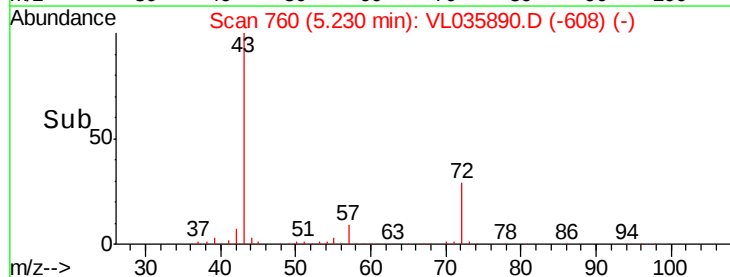
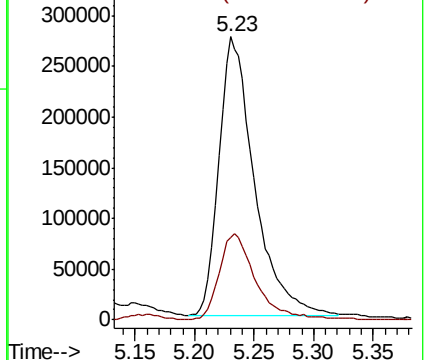
43 100

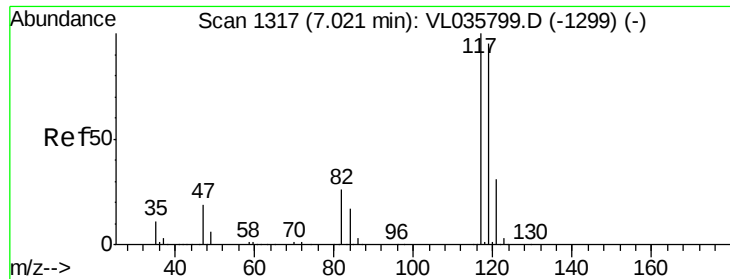
72 32.0 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

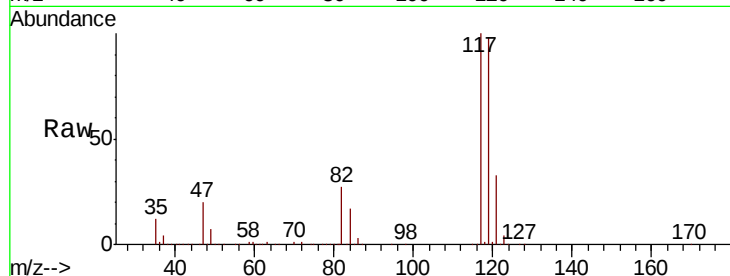




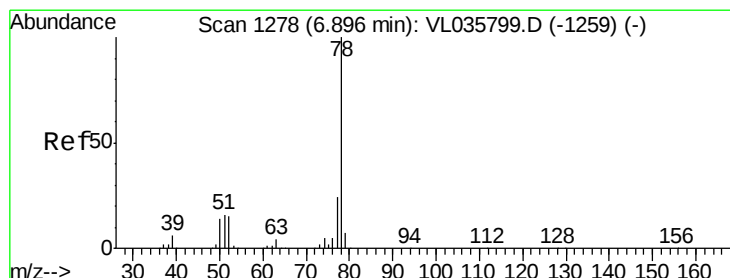
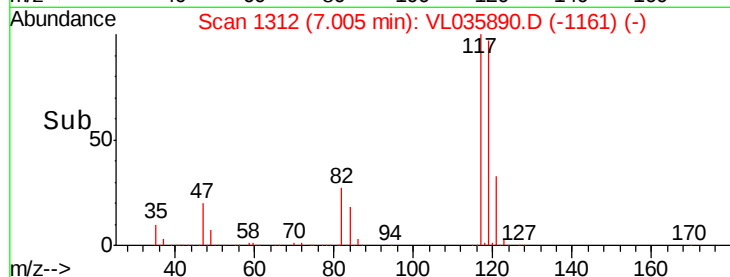
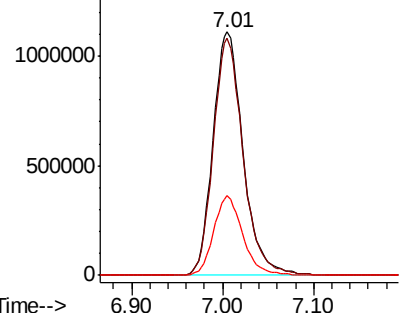
#35
Carbon Tetrachloride
Concen: 12.836 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 2552170
Ion Ratio Lower Upper
117 100
119 97.6 75.6 113.4
121 32.7 25.1 37.7

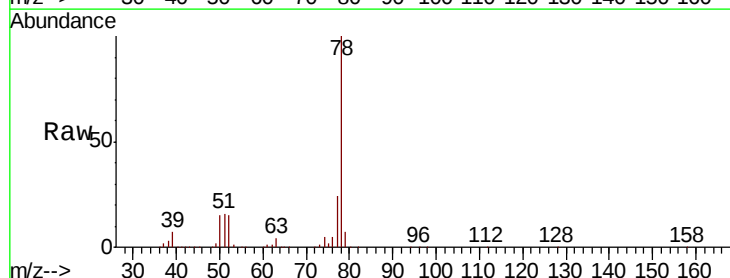


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

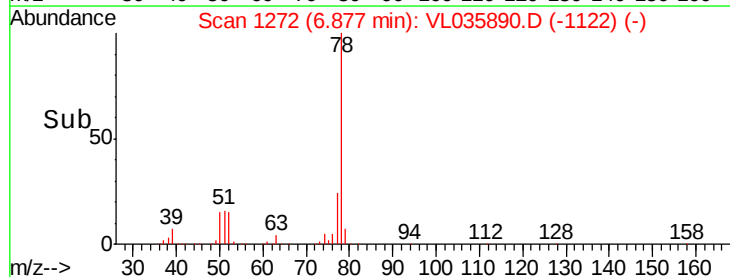
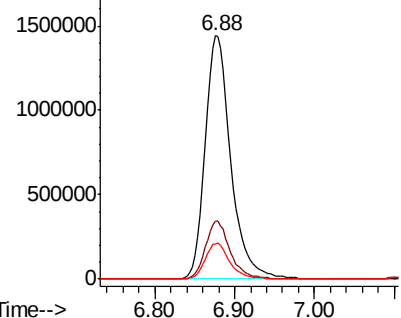


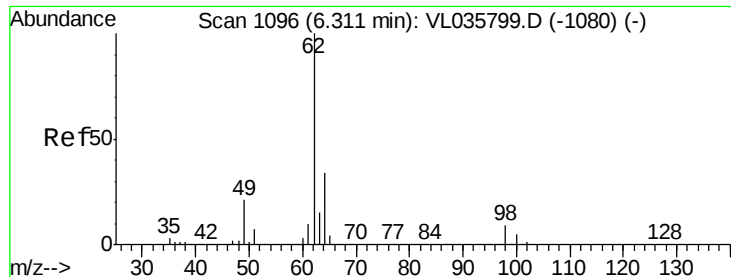
#36
Benzene
Concen: 11.535 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 78 Resp: 3191147
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9
50 14.6 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

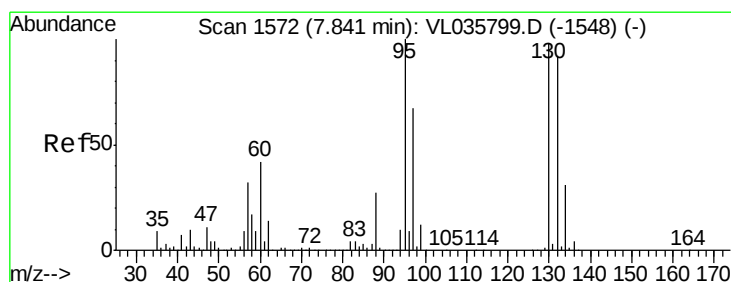
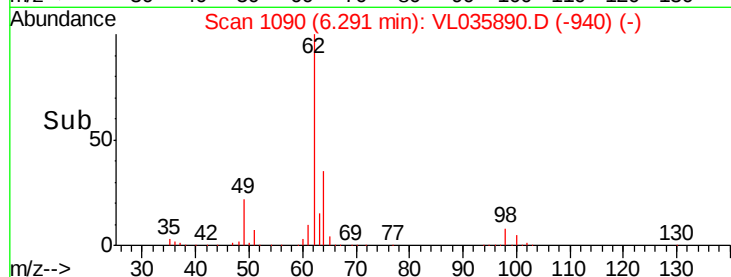
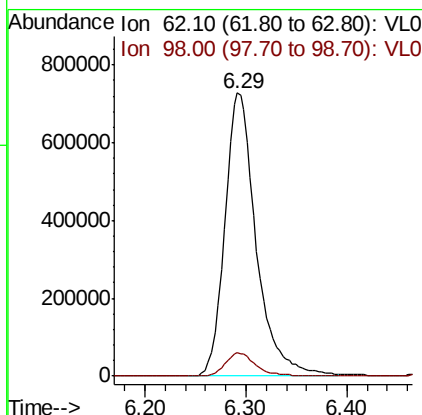
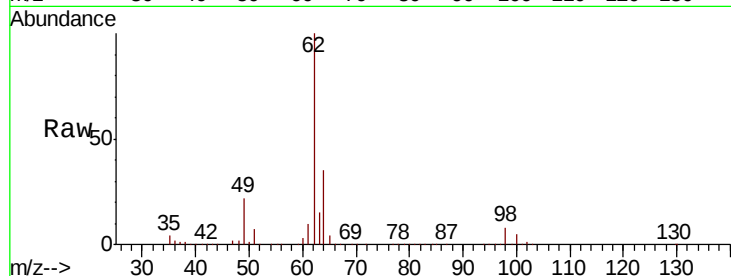




#37
 1,2-Dichloroethane
 Concen: 12.571 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

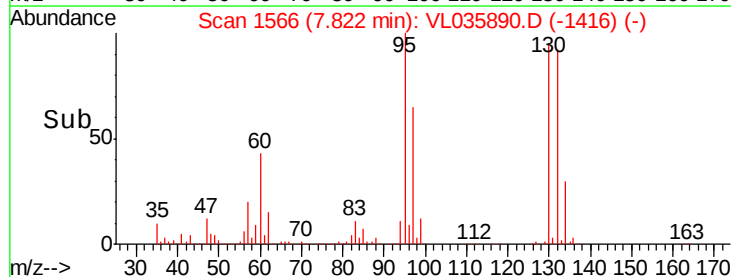
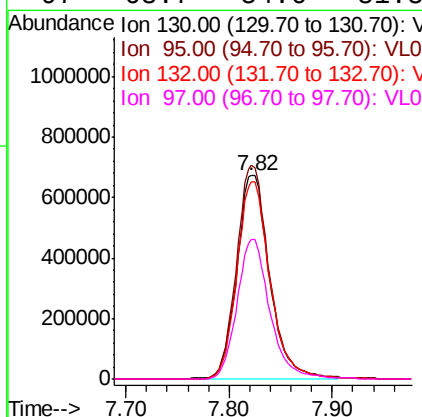
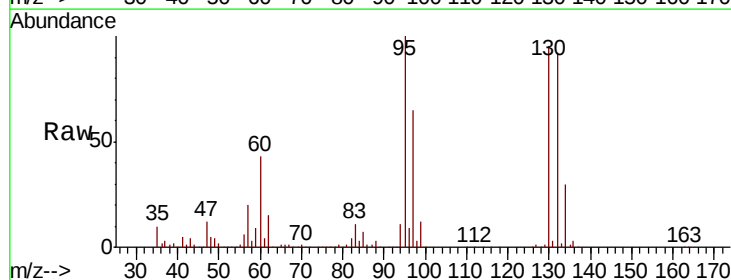
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

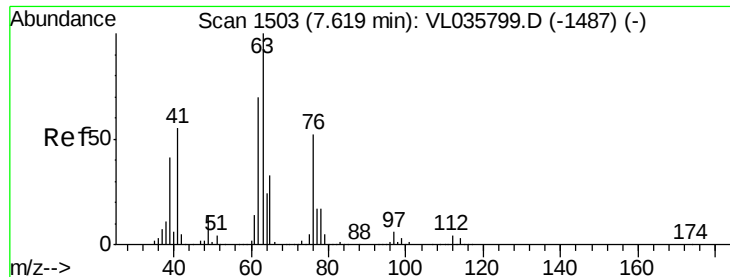
Tot Ion: 62 Resp: 1575632
 Ion Ratio Lower Upper
 62 100
 98 8.2 6.9 10.3



#38
 Trichloroethene
 Concen: 11.006 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 130 Resp: 1487242
 Ion Ratio Lower Upper
 130 100
 95 105.2 81.6 122.4
 132 96.8 75.1 112.7
 97 68.7 54.6 81.8





#39

1,2-Dichloropropane

Concen: 11.757 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

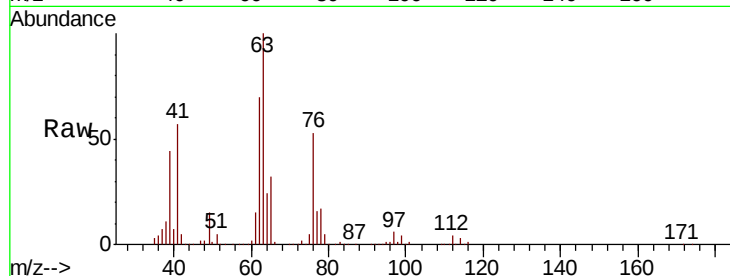
Tot Ion: 63 Resp: 1095059

Ion Ratio Lower Upper

63 100

41 56.9 43.8 65.6

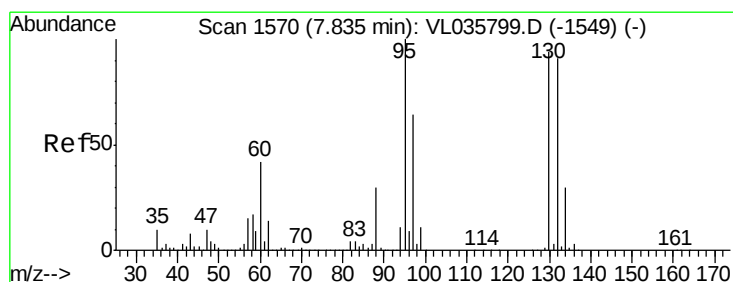
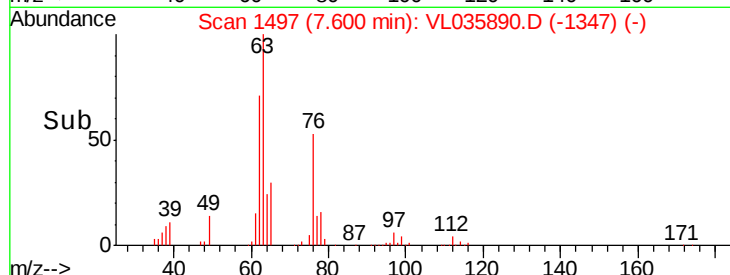
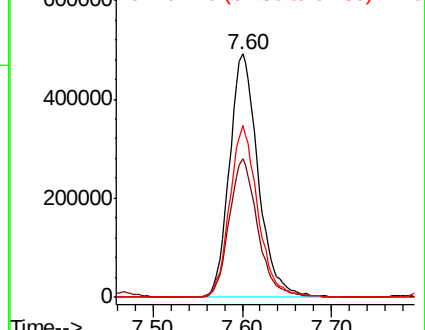
62 70.5 56.2 84.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.781 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Tgt Ion: 88 Resp: 34478

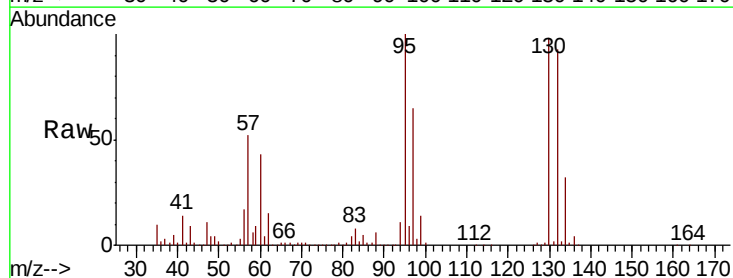
Ion Ratio Lower Upper

88 100

58 0.0 76.2 114.2#

43 0.0 123.1 184.7#

57 0.0 661.0 991.4#

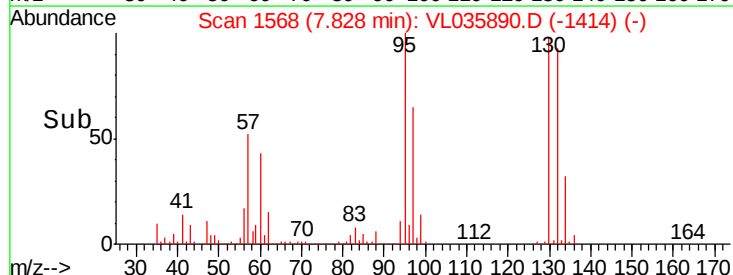
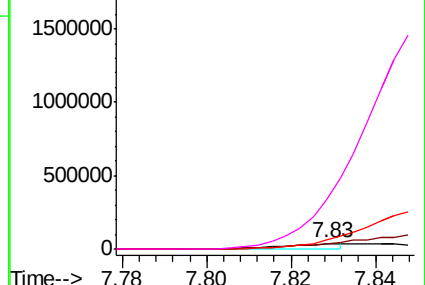


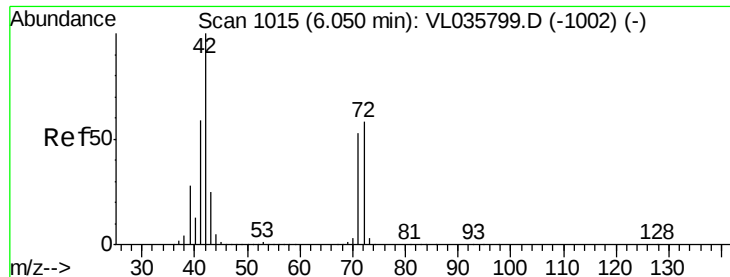
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 2.933 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

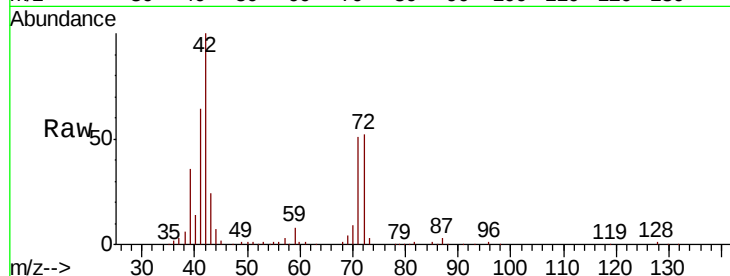
Tot Ion: 42 Resp: 201238

Ion Ratio Lower Upper

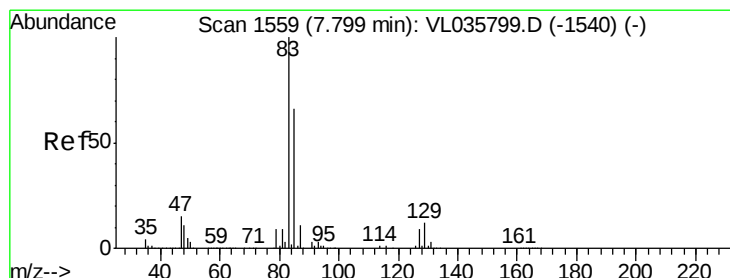
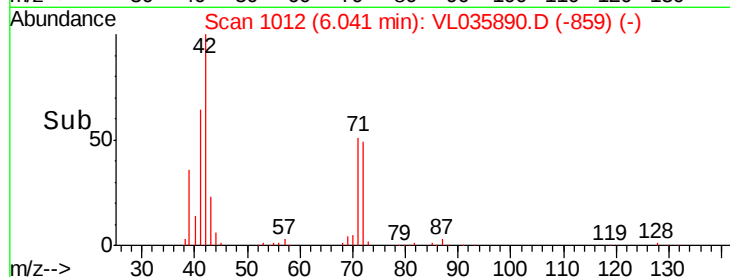
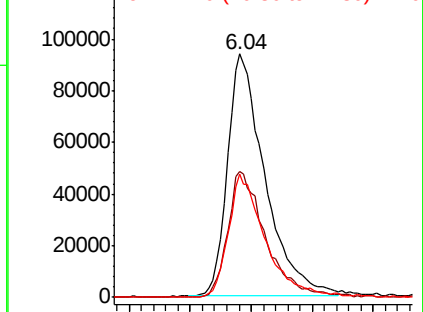
42 100

72 53.0 45.4 68.0

71 50.5 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: 12.448 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

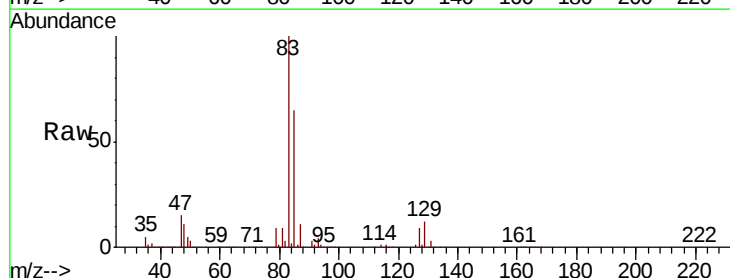
Tgt Ion: 83 Resp: 2632495

Ion Ratio Lower Upper

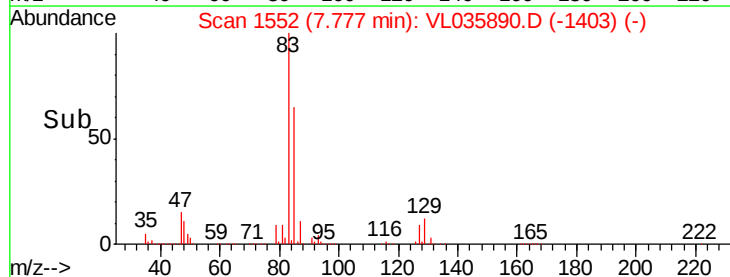
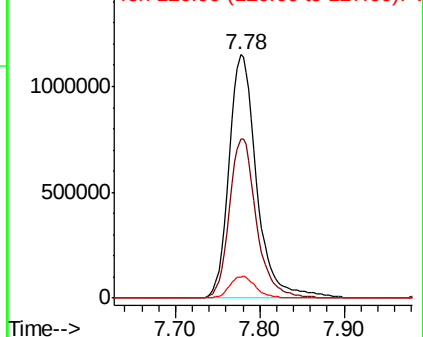
83 100

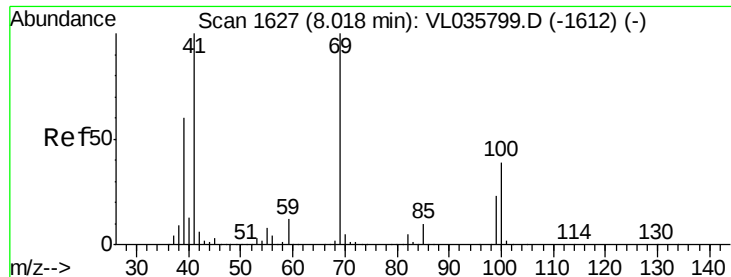
85 65.2 53.1 79.7

127 8.6 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

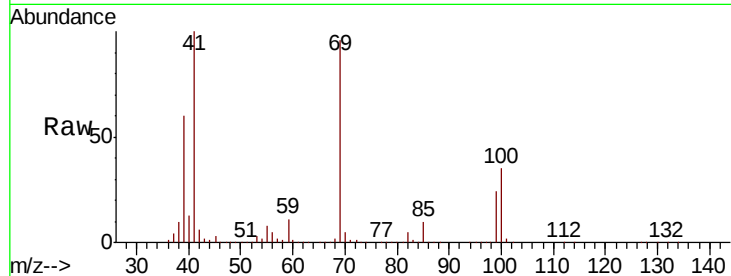




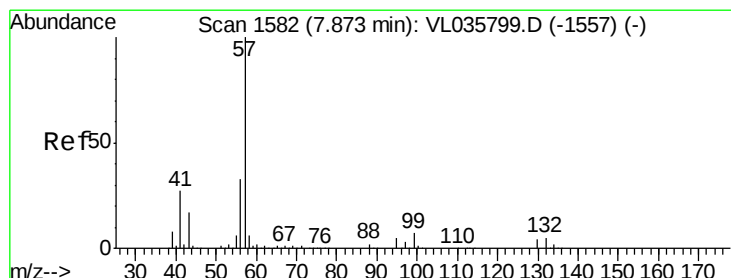
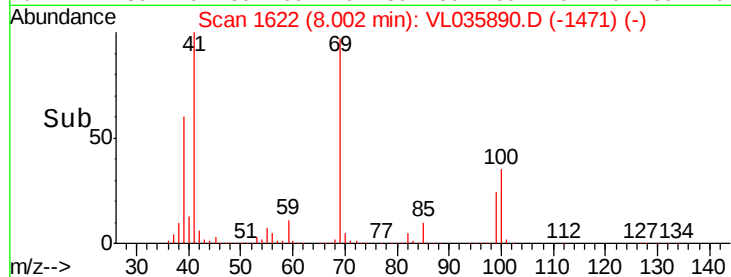
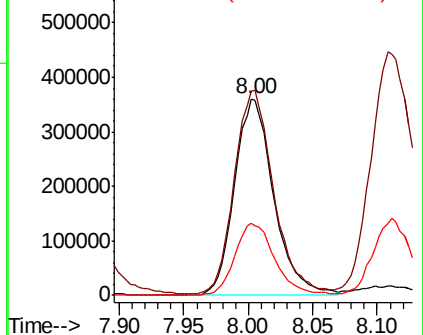
#43
Methyl Methacrylate
Concen: 7.228 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 762794
Ion Ratio Lower Upper
69 100
41 105.1 81.1 121.7
100 37.2 31.0 46.4

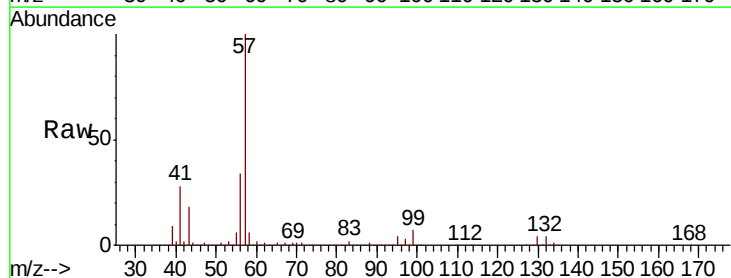


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

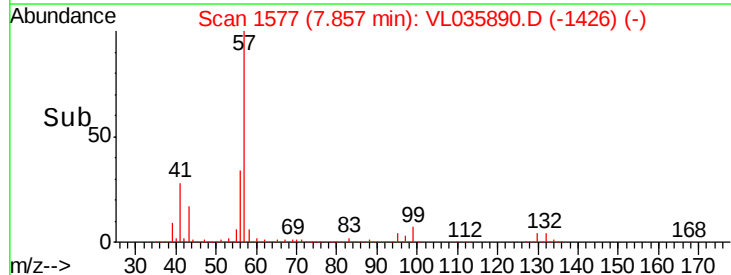
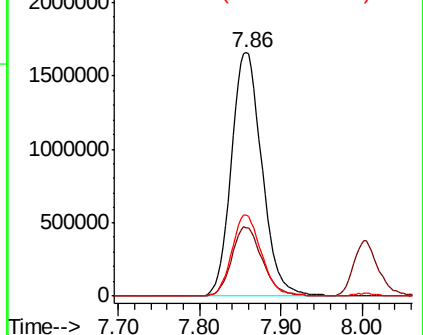


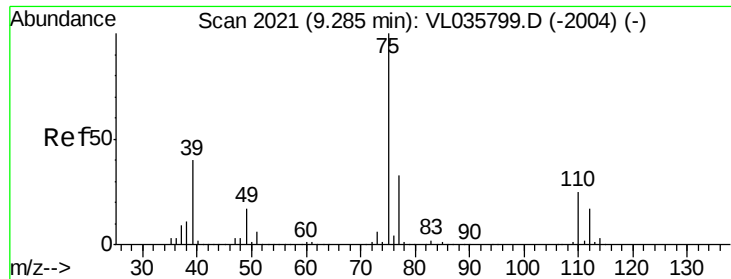
#44
2,2,4-Trimethylpentane
Concen: 11.802 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 57 Resp: 4320752
Ion Ratio Lower Upper
57 100
41 28.5 21.0 31.4
56 32.5 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

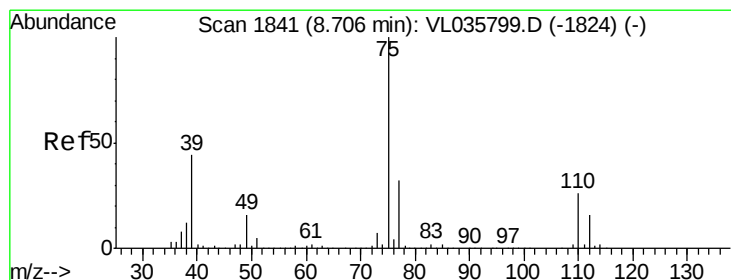
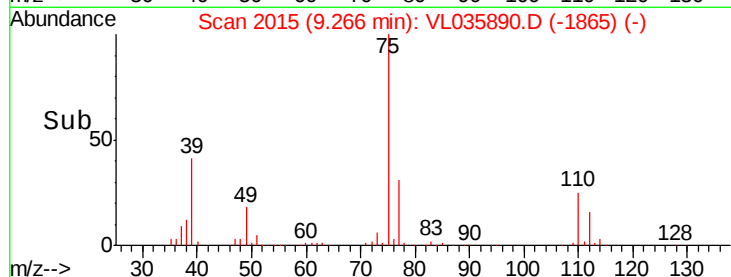
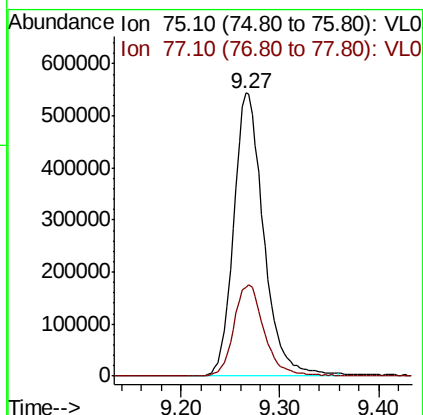
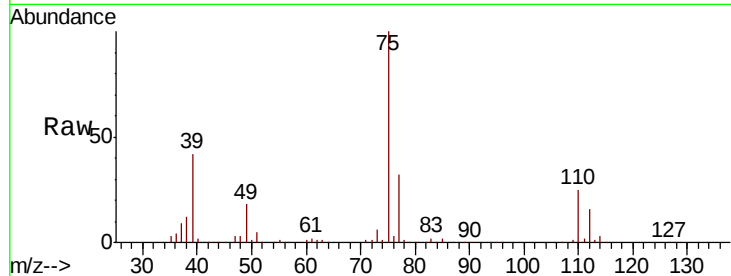




#45
t-1,3-Dichloropropene
Concen: 10.290 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

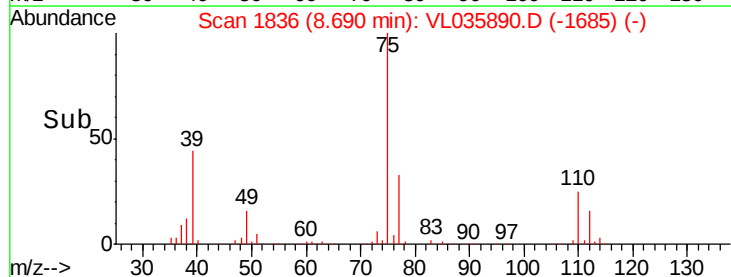
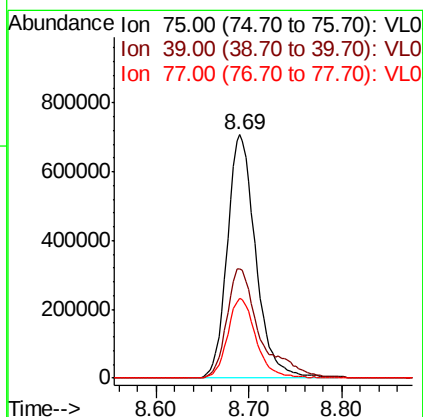
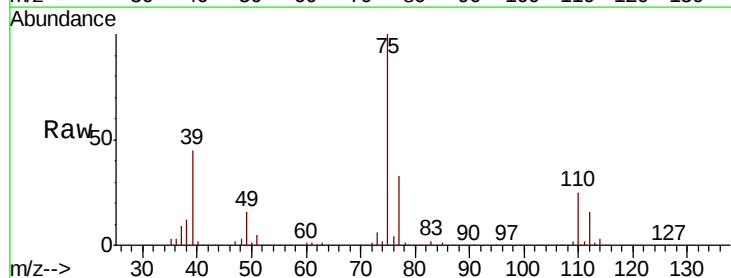
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

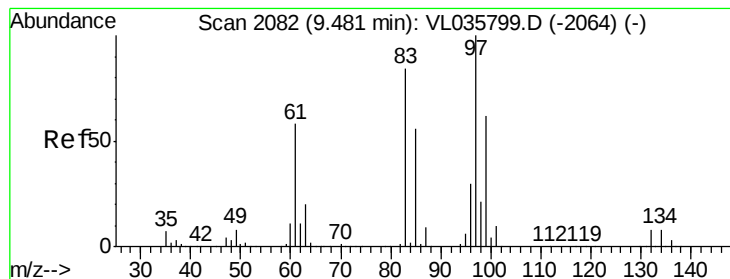
Tot Ion: 75 Resp: 1151120
Ion Ratio Lower Upper
75 100
77 31.5 26.4 39.6



#46
cis-1,3-Dichloropropene
Concen: 10.632 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 75 Resp: 1506310
Ion Ratio Lower Upper
75 100
39 44.9 35.1 52.7
77 32.5 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 11.096 ppbv

RT: 9.46 min Scan# 2076

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1408303

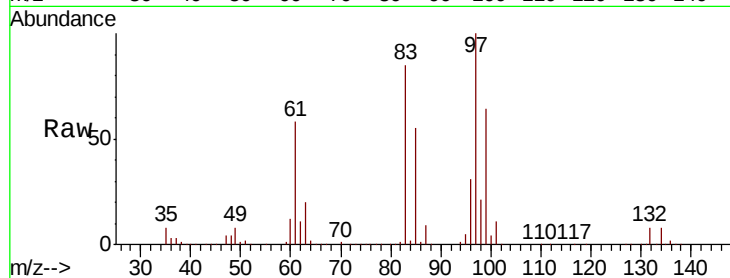
Ion Ratio Lower Upper

97 100

83 85.2 67.1 100.7

85 55.5 44.7 67.1

99 63.8 49.7 74.5

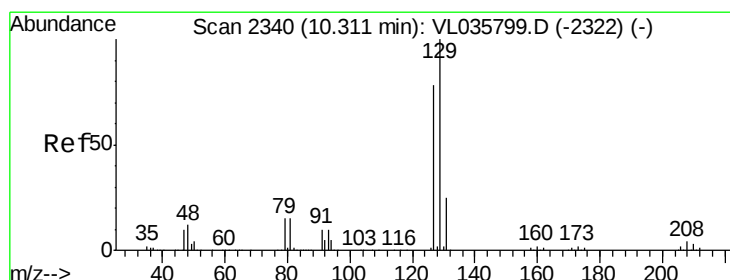
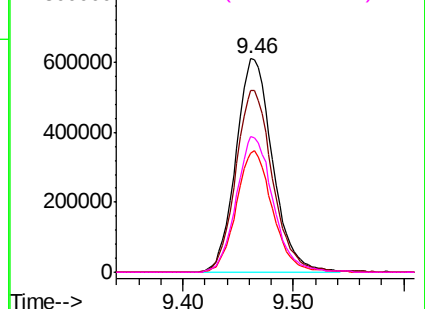
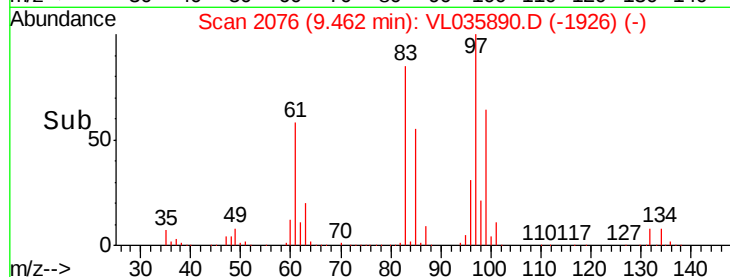


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.782 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. -0.02 min

Lab File: VL035890.D

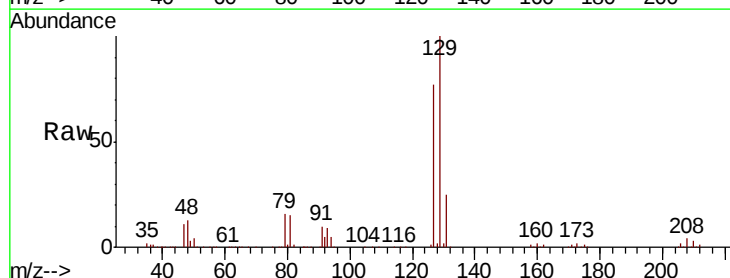
Acq: 6 Nov 2020 16:03

Tgt Ion: 129 Resp: 2284531

Ion Ratio Lower Upper

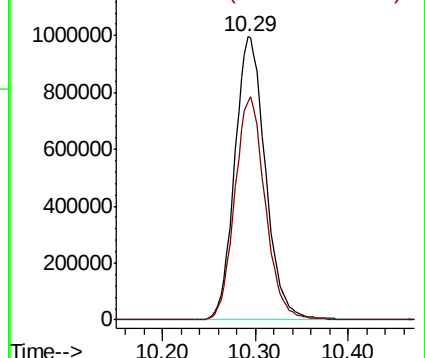
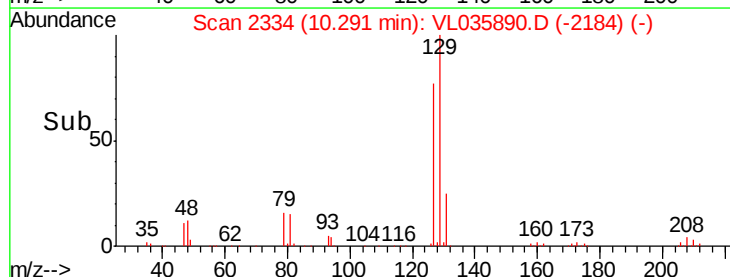
129 100

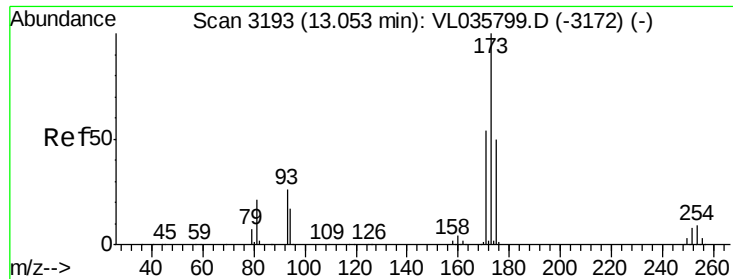
127 78.4 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.290 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

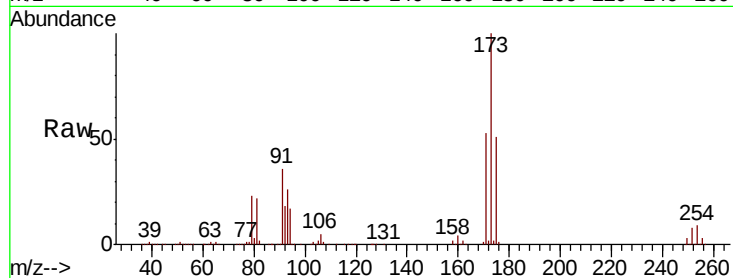
Tot Ion:173 Resp: 1683590

Ion Ratio Lower Upper

173 100

175 49.7 40.1 60.1

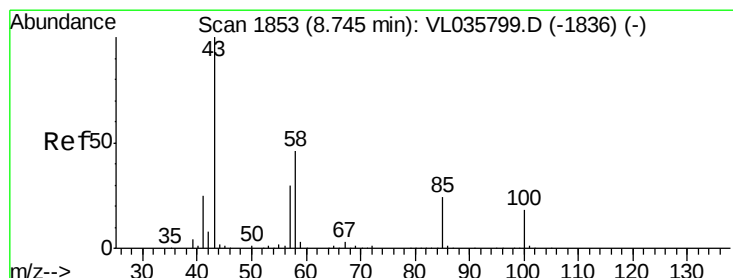
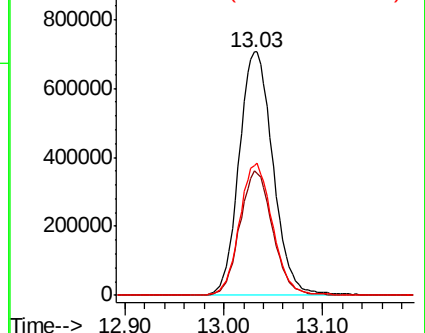
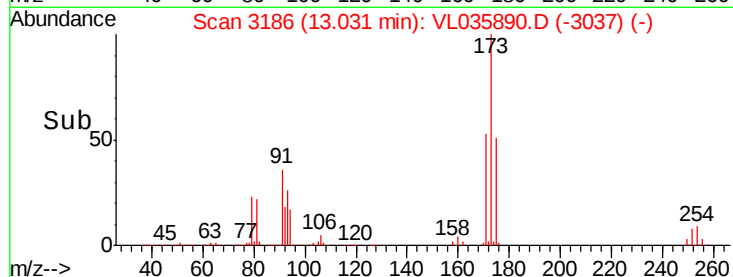
171 53.3 42.6 63.8



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: 3.949 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL035890.D

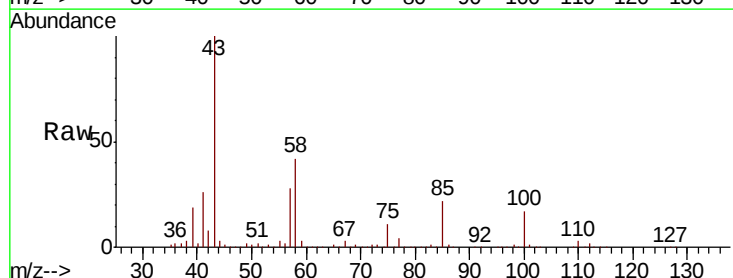
Acq: 6 Nov 2020 16:03

Tgt Ion: 43 Resp: 729324

Ion Ratio Lower Upper

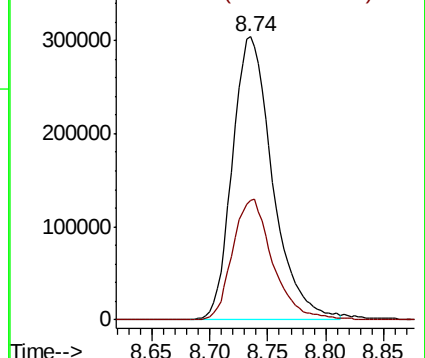
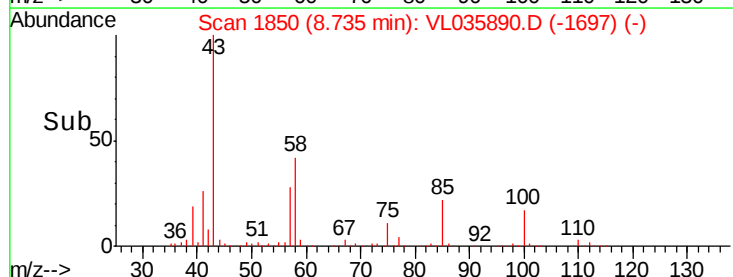
43 100

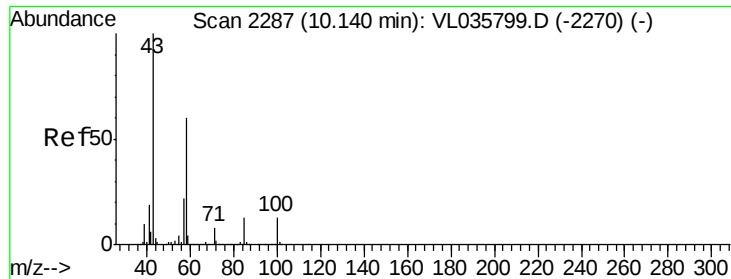
58 42.9 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

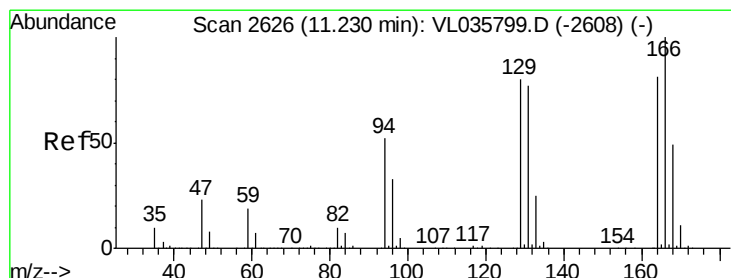
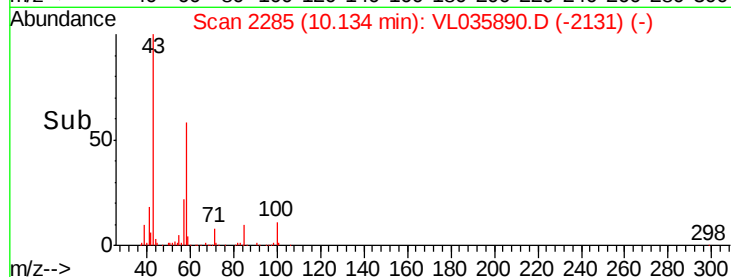
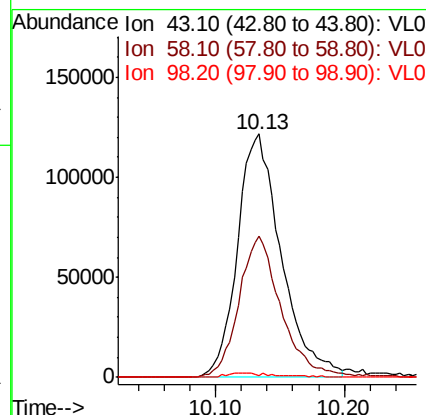
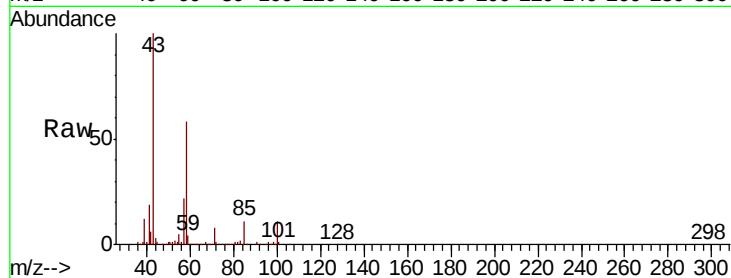




#51
2-Hexanone
Concen: 1.936 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. -0.01 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

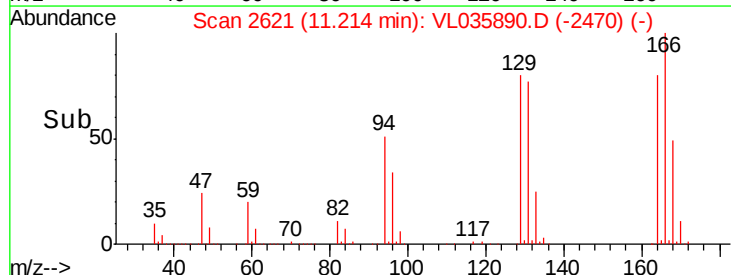
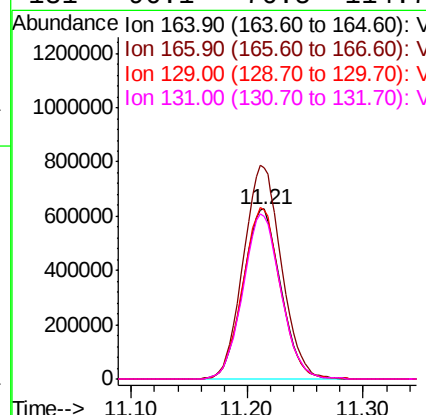
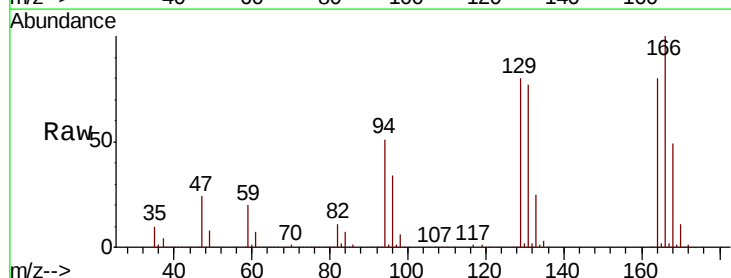
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

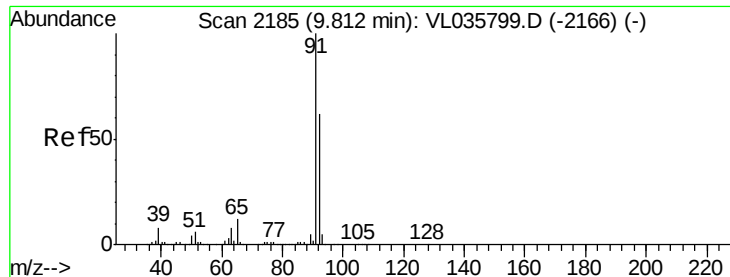
Tot Ion: 43 Resp: 287271
Ion Ratio Lower Upper
43 100
58 56.3 48.3 72.5
98 2.2 0.6 0.8#



#52
Tetrachloroethene
Concen: 10.776 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion:164 Resp: 1412380
Ion Ratio Lower Upper
164 100
166 124.3 99.3 148.9
129 99.4 79.3 118.9
131 96.1 76.5 114.7





#53

Toluene

Concen: 11.666 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

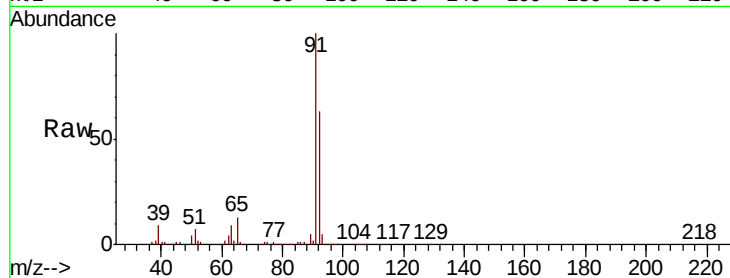
VSTDCCC010EC

Tot Ion: 91 Resp: 3894465

Ion Ratio Lower Upper

91 100

92 61.8 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.79

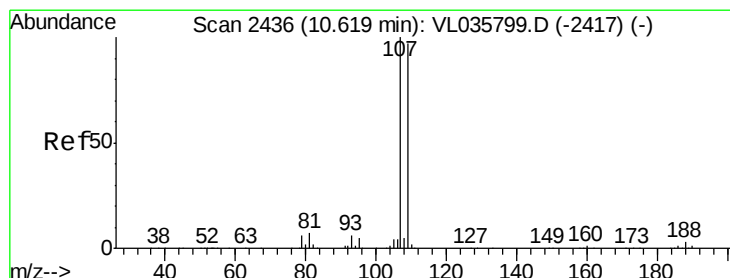
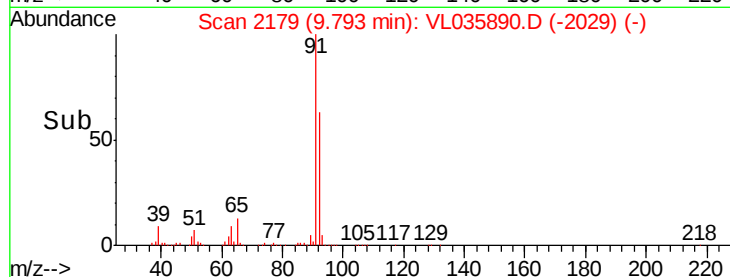
1500000

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 10.367 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.02 min

Lab File: VL035890.D

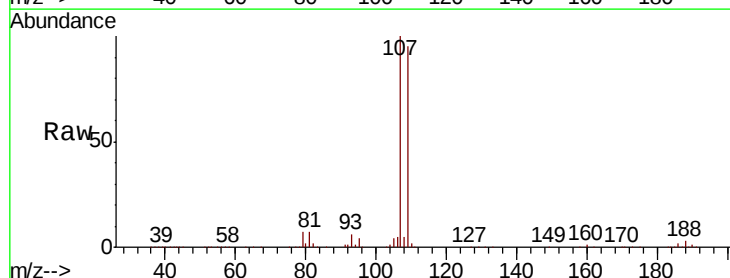
Acq: 6 Nov 2020 16:03

Tgt Ion: 107 Resp: 2000903

Ion Ratio Lower Upper

107 100

109 95.2 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.60

1000000

800000

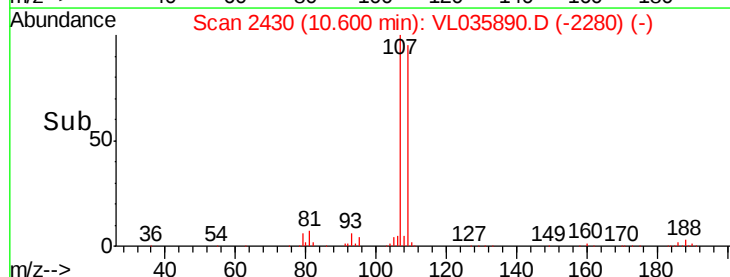
600000

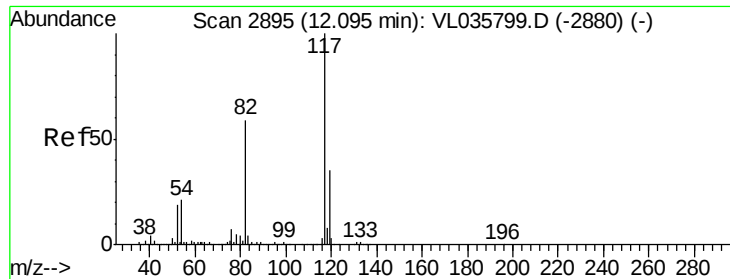
400000

200000

0

Time-->

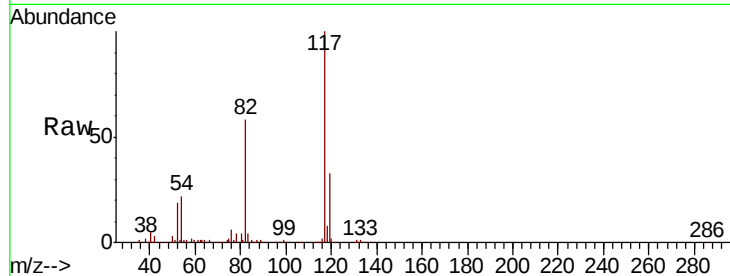




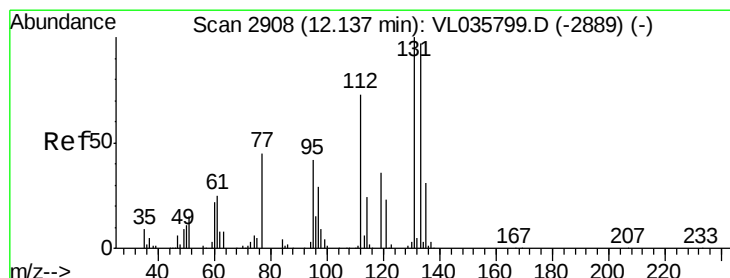
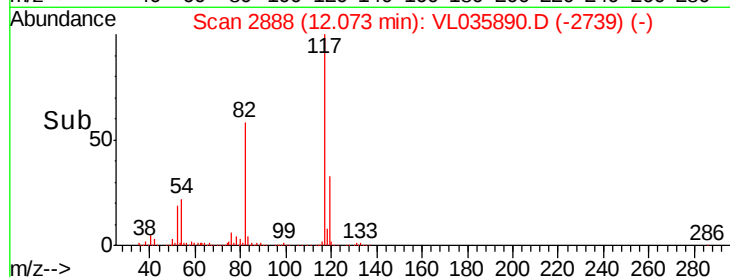
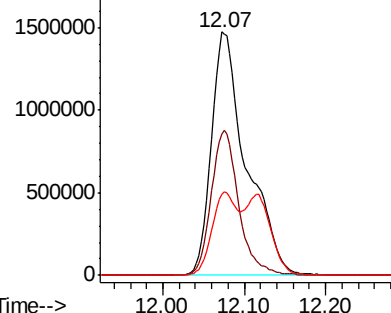
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4456593
Ion Ratio Lower Upper
117 100
82 46.8 50.6 76.0#
119 26.3 52.6 78.8#

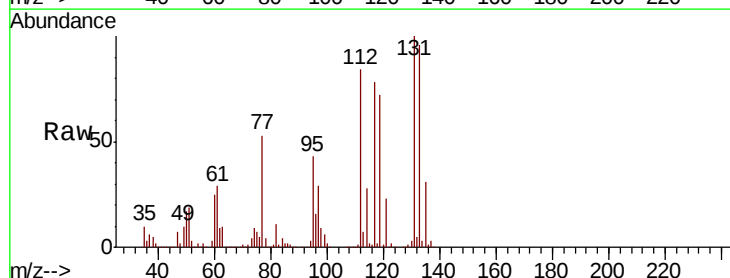


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

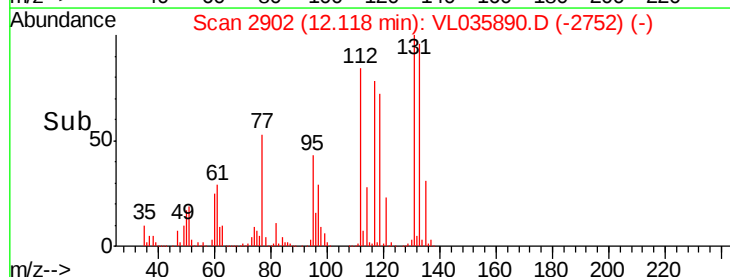
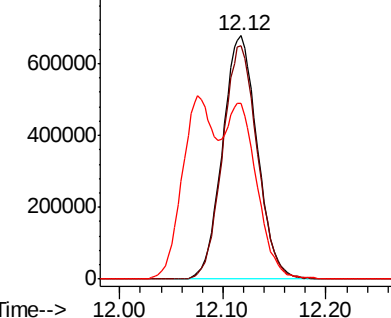


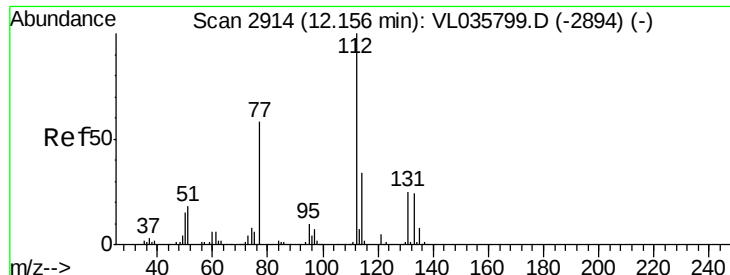
#56
1,1,1,2-Tetrachloroethane
Concen: 7.946 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion:131 Resp: 1589448
Ion Ratio Lower Upper
131 100
133 96.1 76.8 115.2
119 64.4 47.4 71.0



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

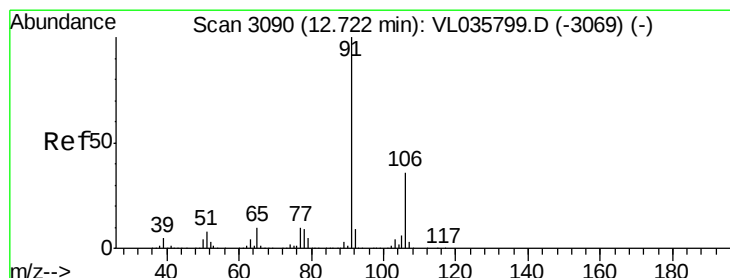
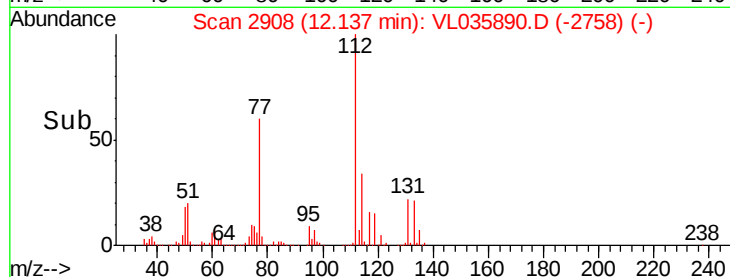
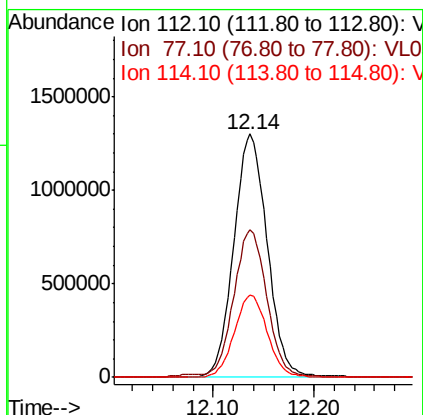
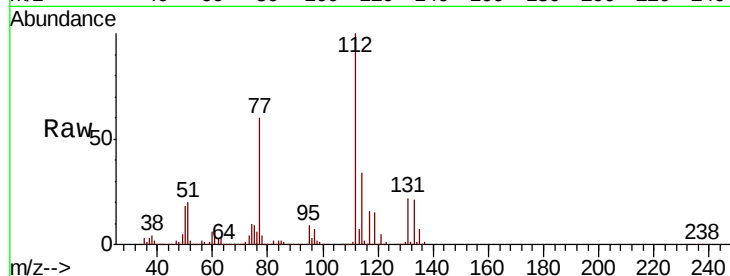




#57
Chlorobenzene
Concen: 8.466 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

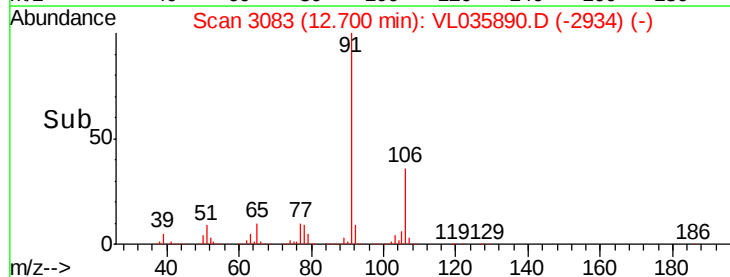
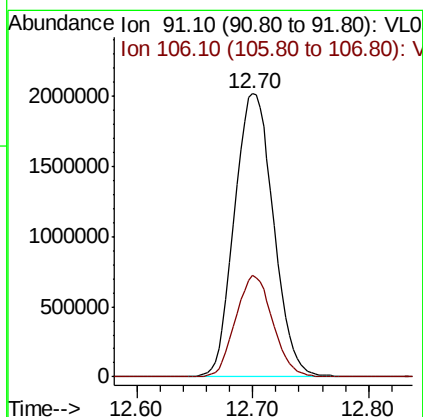
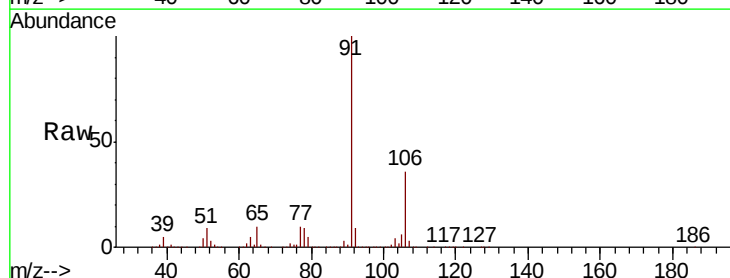
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

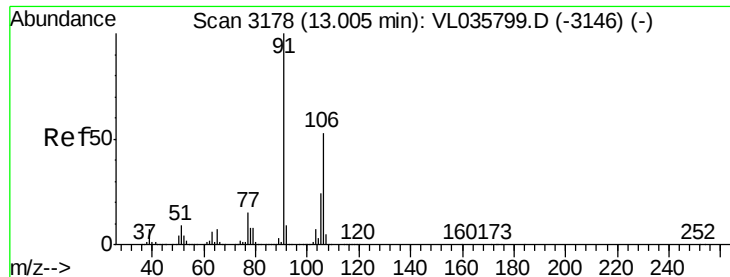
Tot Ion:112 Resp: 2999895
Ion Ratio Lower Upper
112 100
77 60.1 47.5 71.3
114 33.6 30.3 37.1



#58
Ethyl Benzene
Concen: 8.703 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 91 Resp: 4723580
Ion Ratio Lower Upper
91 100
106 35.7 28.6 43.0

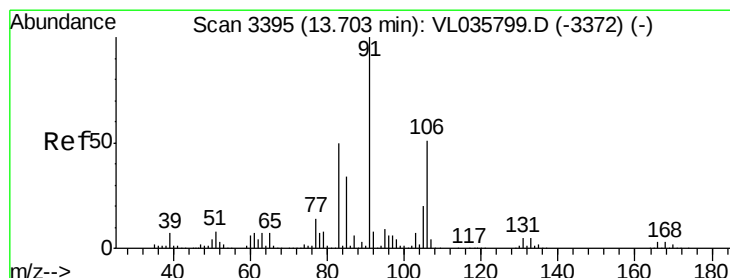
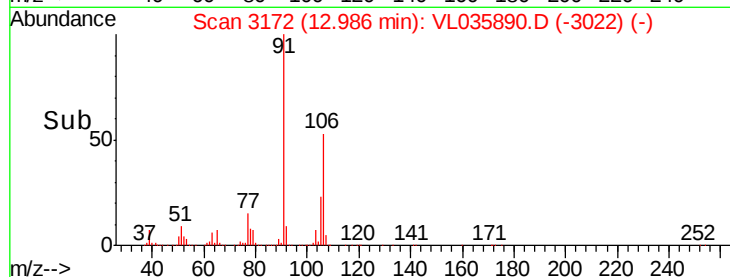
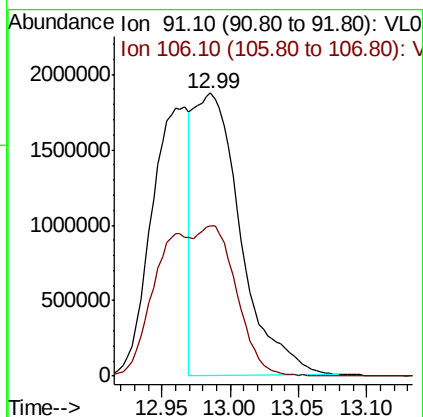
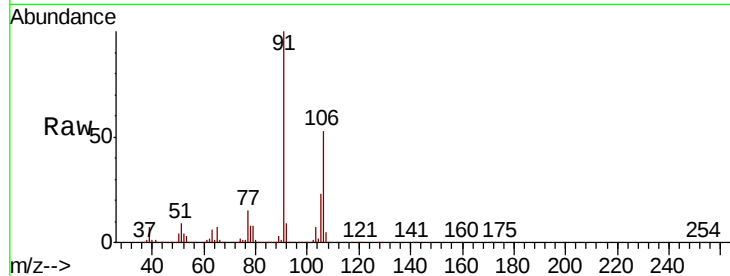




#59
m/p-Xylene
Concen: 9.734 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

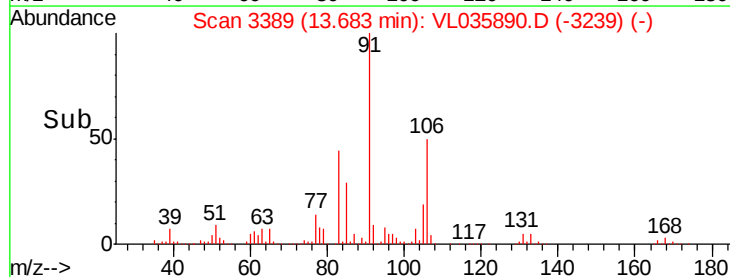
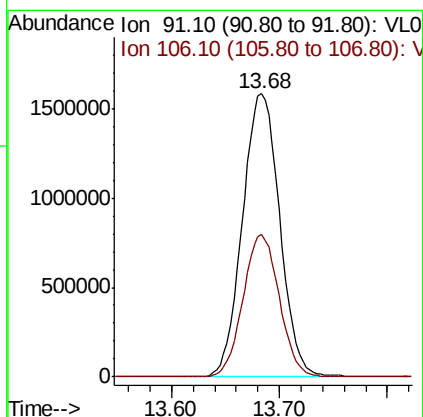
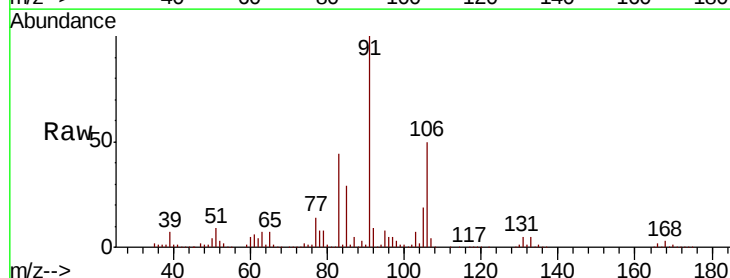
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

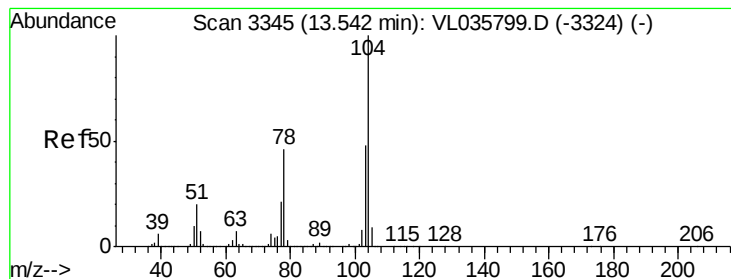
Tot Ion: 91 Resp: 4470272
Ion Ratio Lower Upper
91 100
106 87.9 39.5 59.3#



#60
o-Xylene
Concen: 8.496 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL035890.D
Acq: 6 Nov 2020 16:03

Tgt Ion: 91 Resp: 3795366
Ion Ratio Lower Upper
91 100
106 49.1 24.8 74.4





#61

Stvrene

Concen: 5.013 ppbv

RT: 13.52 min Scan# 3338

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

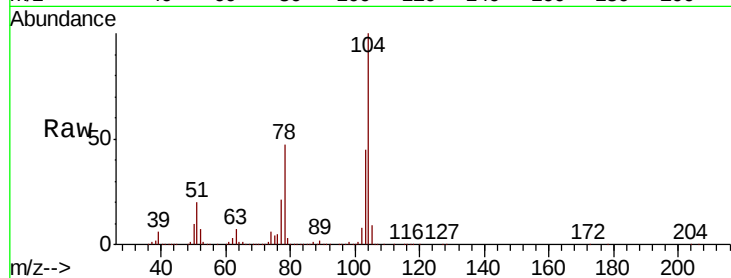
Tot Ion:104 Resp: 1640907

Ion Ratio Lower Upper

104 100

78 46.9 37.1 55.7

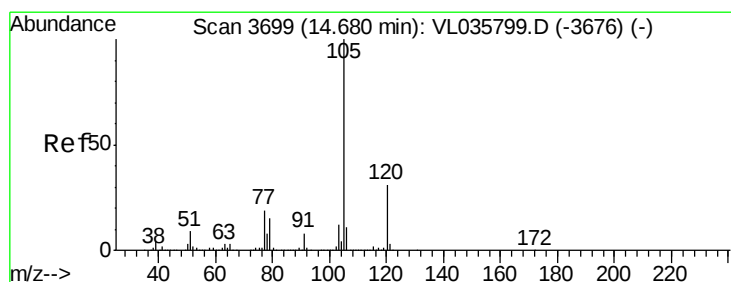
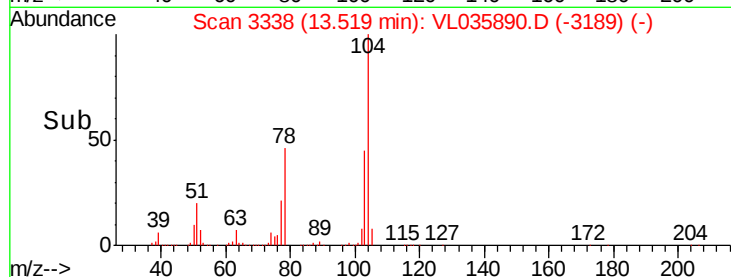
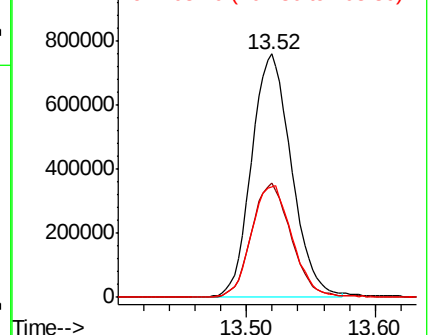
103 47.2 37.9 56.9



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: 7.180 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.02 min

Lab File: VL035890.D

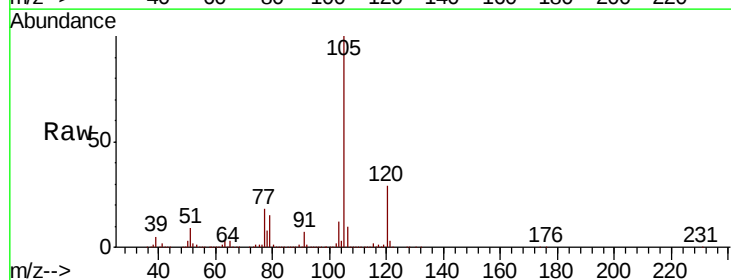
Acq: 6 Nov 2020 16:03

Tgt Ion:105 Resp: 5041605

Ion Ratio Lower Upper

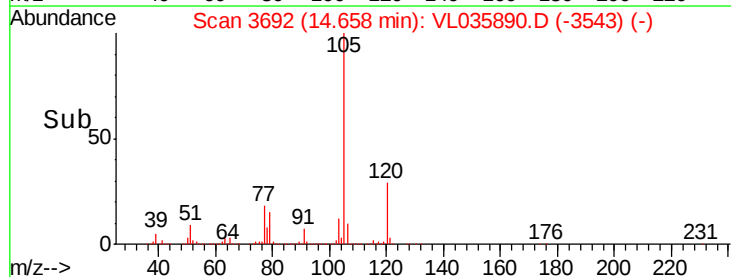
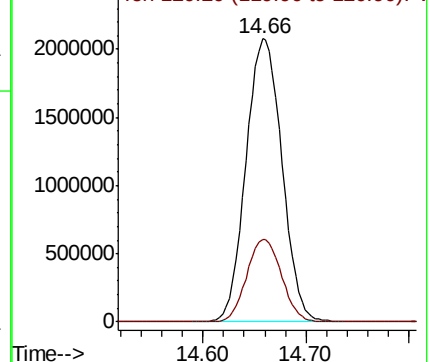
105 100

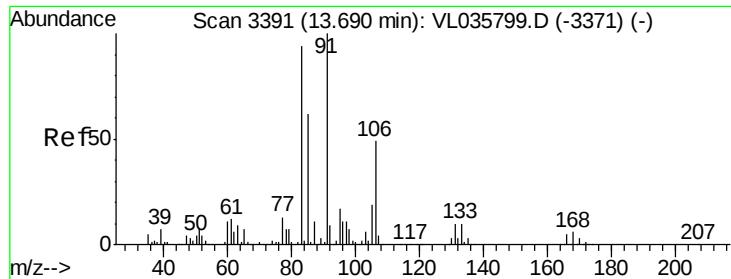
120 28.4 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

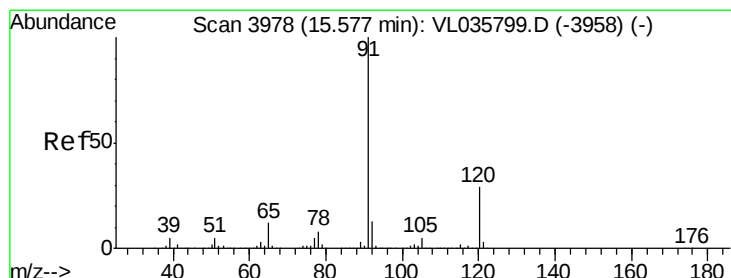
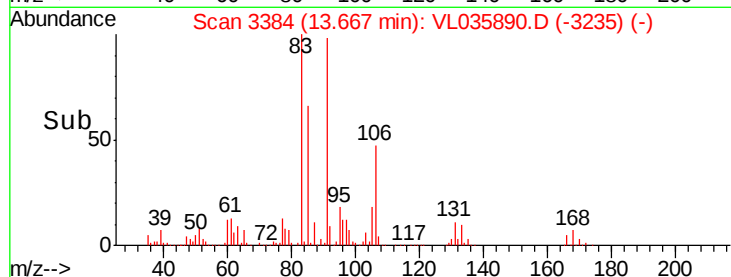
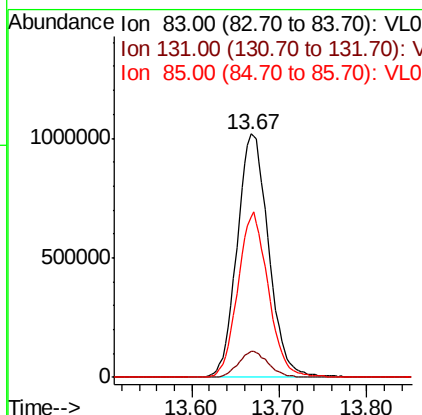
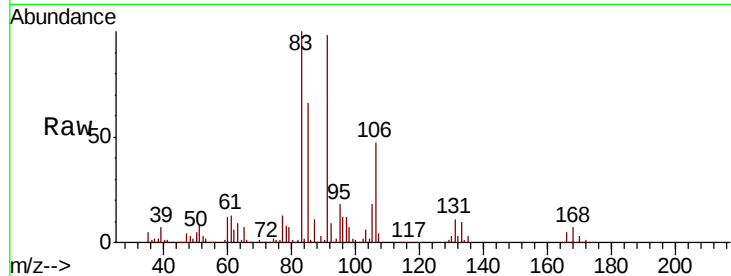




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.349 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

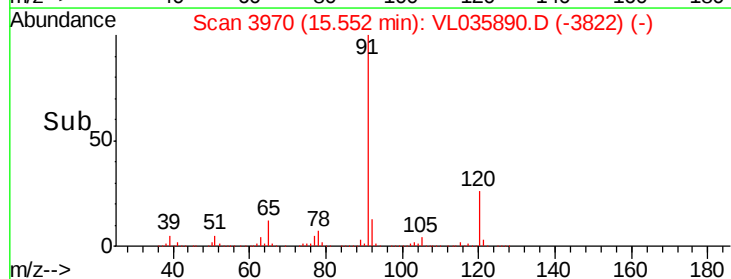
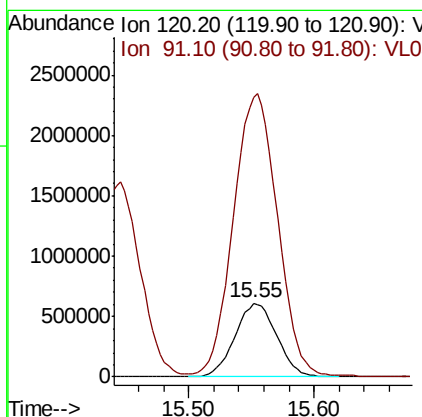
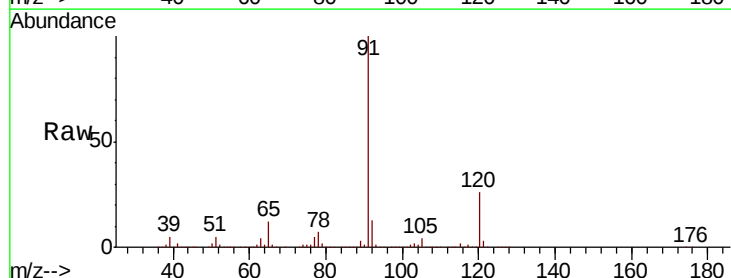
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

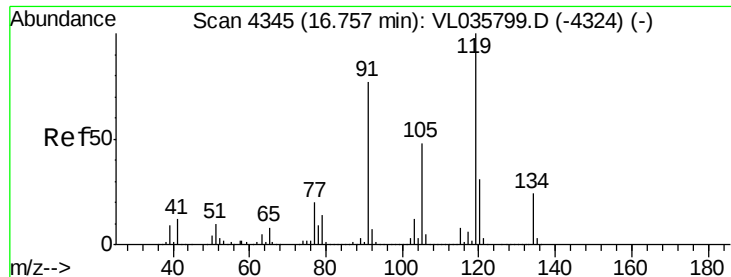
Tot Ion: 83 Resp: 2543808
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.3 15.8
 85 65.8 33.5 100.4



#64
 n-propylbenzene
 Concen: 6.919 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.03 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion:120 Resp: 1404204
 Ion Ratio Lower Upper
 120 100
 91 409.8 311.1 466.7





#65

tert-Butylbenzene

Concen: 7.072 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

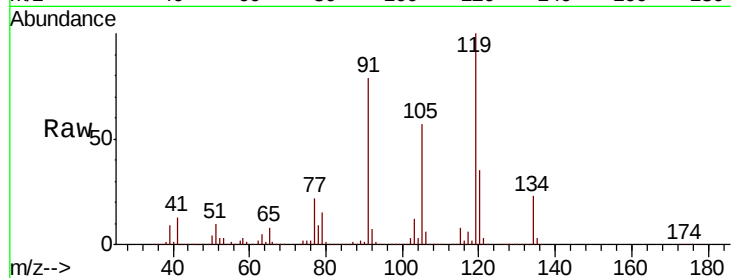
Tot Ion:119 Resp: 4519569

Ion Ratio Lower Upper

119 100

91 77.6 62.0 93.0

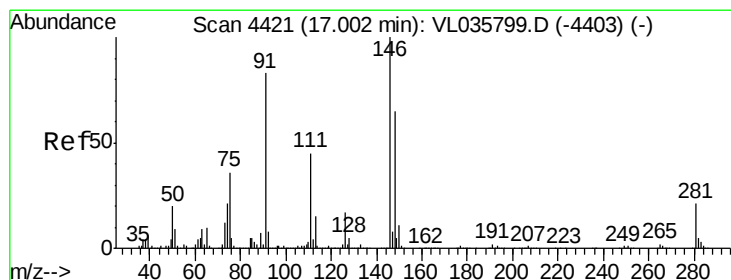
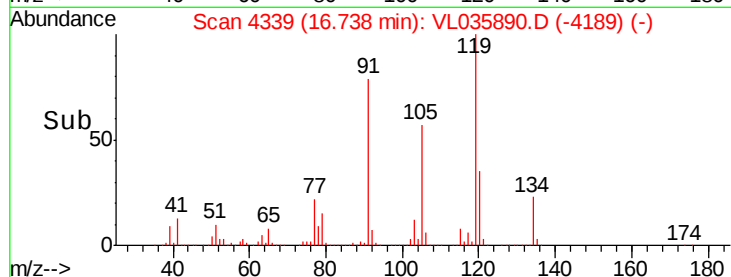
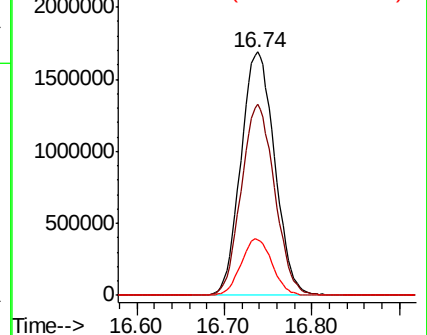
134 21.4 17.8 26.8



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: 2.793 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

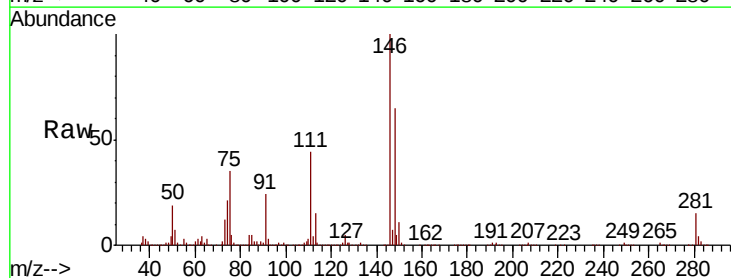
Tgt Ion: 91 Resp: 590062

Ion Ratio Lower Upper

91 100

126 18.4 16.0 24.0

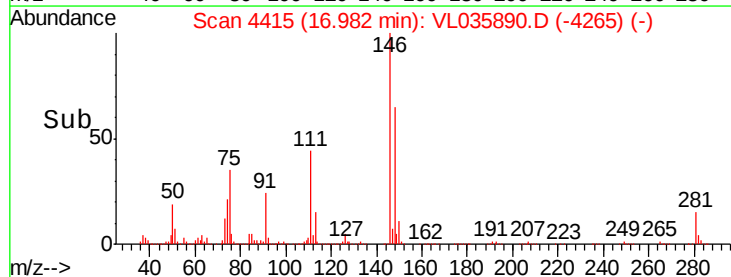
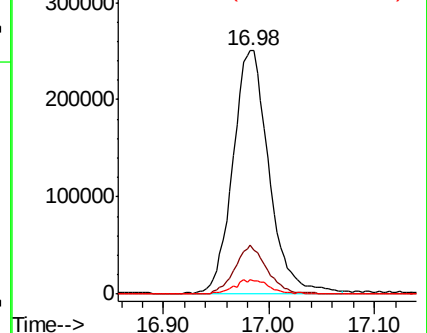
128 6.0 5.0 7.4

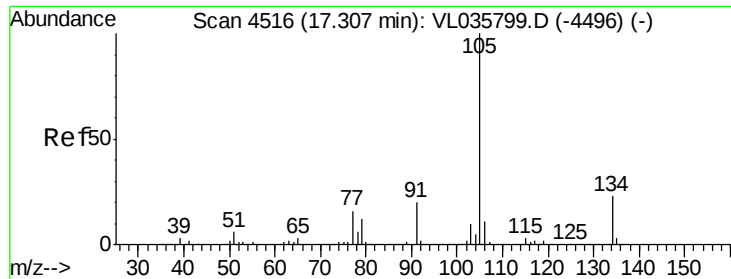


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

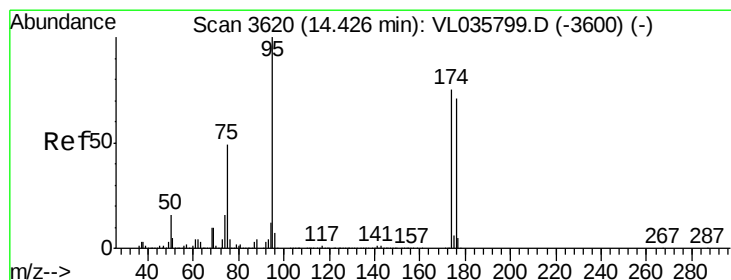
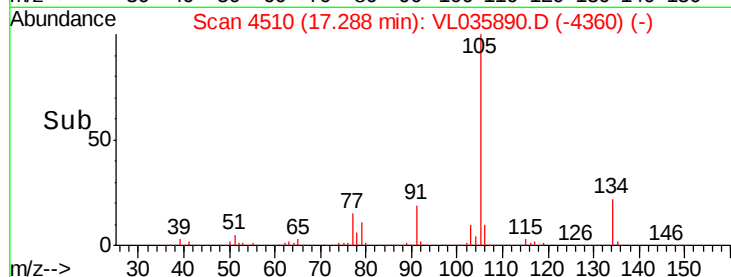
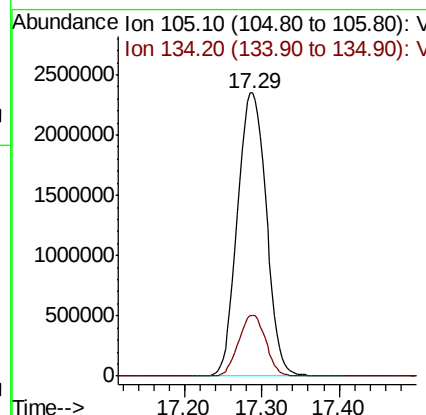
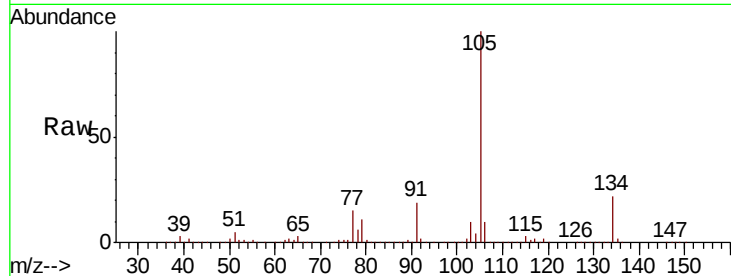




#67
 sec-Butylbenzene
 Concen: 7.041 ppbv
 RT: 17.29 min Scan# 4510
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

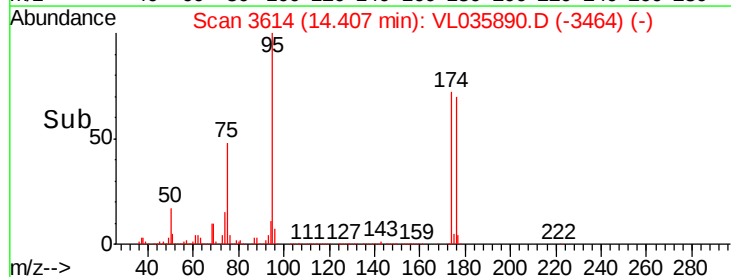
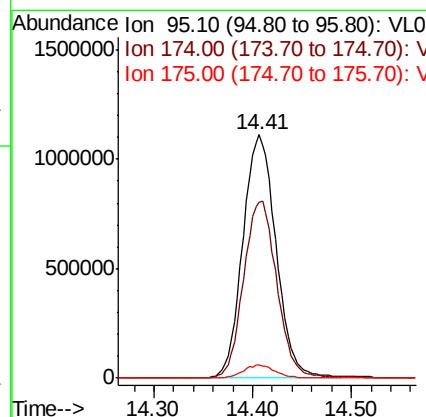
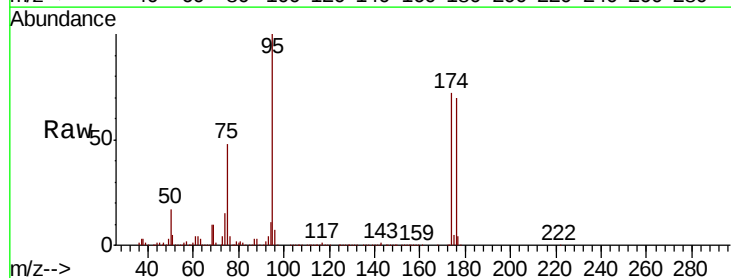
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

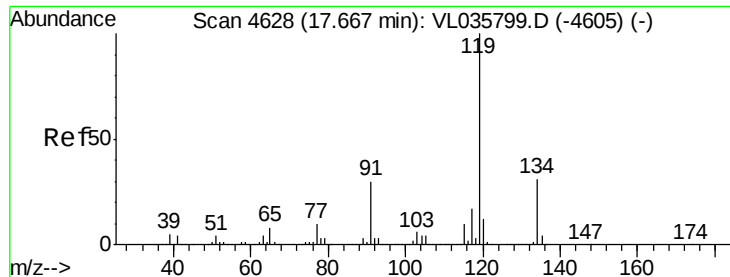
Tot Ion:105 Resp: 6064207
 Ion Ratio Lower Upper
 105 100
 134 20.3 17.0 25.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.184 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 95 Resp: 2591327
 Ion Ratio Lower Upper
 95 100
 174 73.8 59.8 89.6
 175 5.2 4.3 6.5

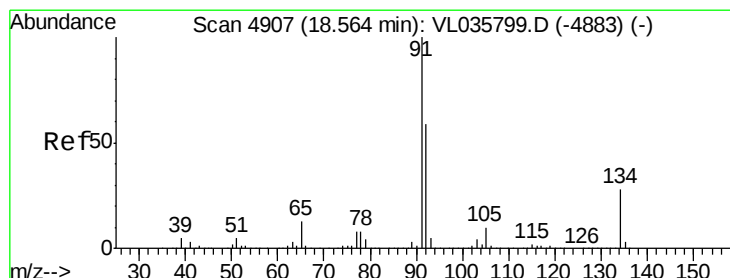
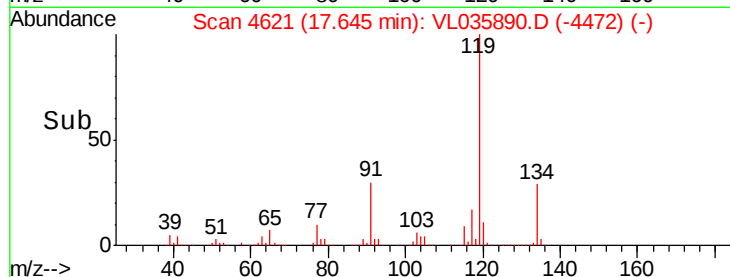
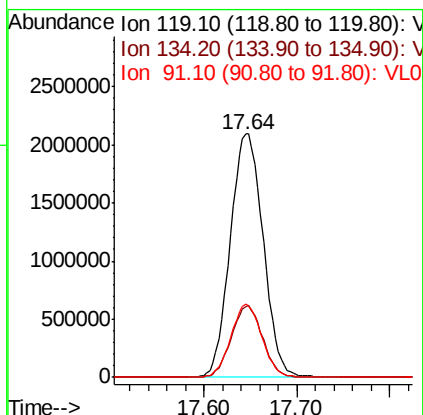
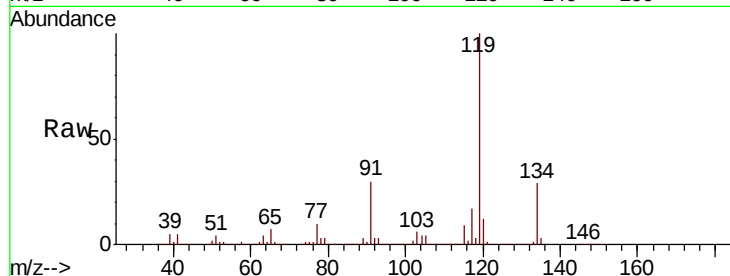




#69
 p-Isopropyltoluene
 Concen: 7.253 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

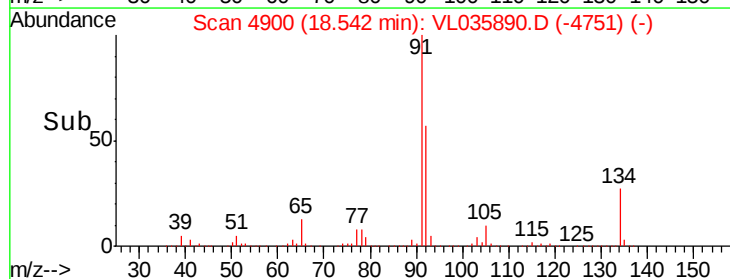
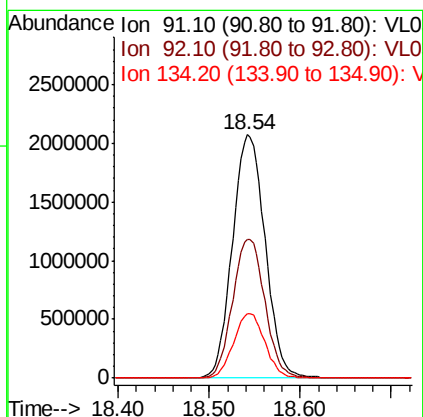
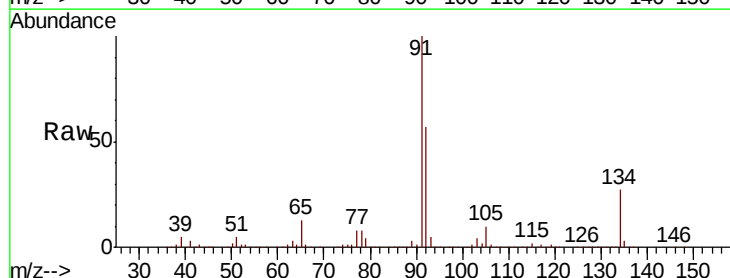
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

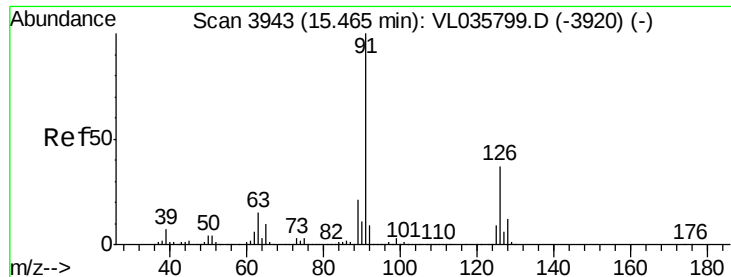
Tot Ion: 119 Resp: 5154835
 Ion Ratio Lower Upper
 119 100
 134 28.0 23.0 34.6
 91 28.3 22.8 34.2



#70
 n-Butylbenzene
 Concen: 7.568 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion: 91 Resp: 5180082
 Ion Ratio Lower Upper
 91 100
 92 56.4 45.7 68.5
 134 25.5 21.0 31.4

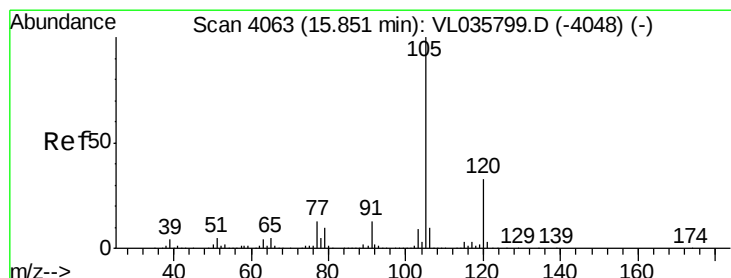
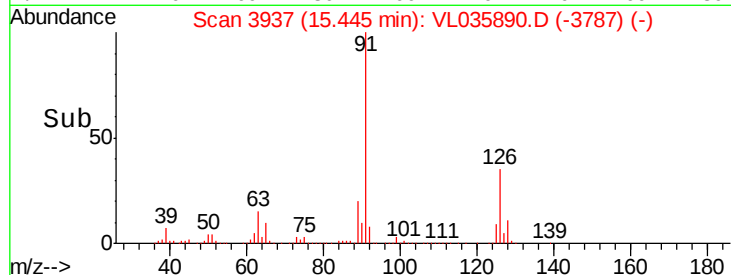
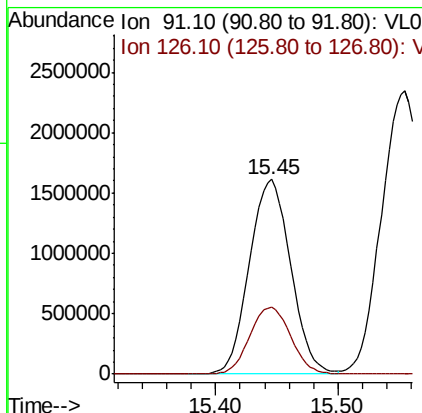
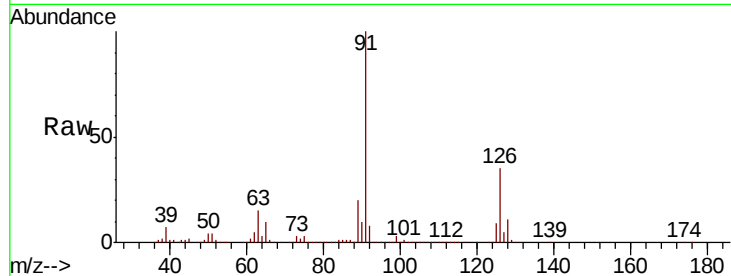




#71
 2-Chlorotoluene
 Concen: 7.364 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

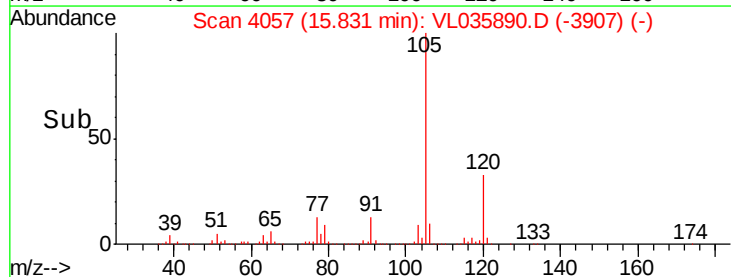
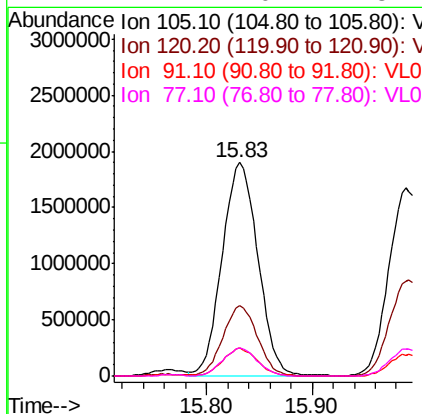
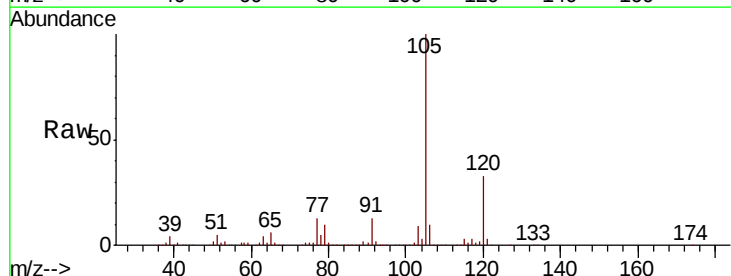
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

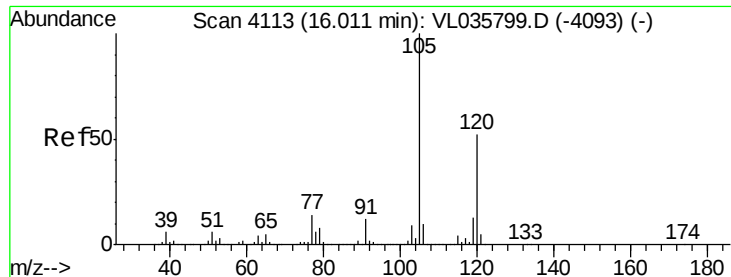
Tot Ion: 91 Resp: 3782009
 Ion Ratio Lower Upper
 91 100
 126 34.5 14.3 57.1



#72
 4-Ethyltoluene
 Concen: 8.255 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion:105 Resp: 4472598
 Ion Ratio Lower Upper
 105 100
 120 32.0 25.9 38.9
 91 12.8 9.9 14.9
 77 12.7 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 8.027 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

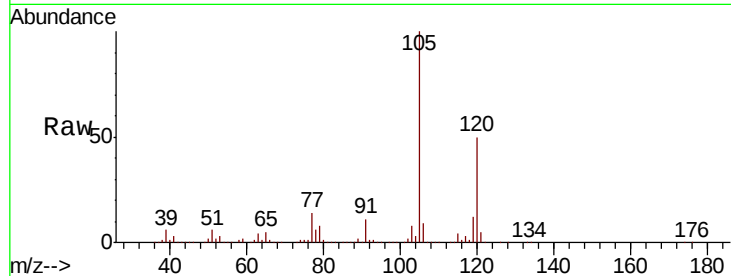
VSTDCCC010EC

Tot Ion:105 Resp: 3980028

Ion Ratio Lower Upper

105 100

120 50.4 41.4 62.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

0

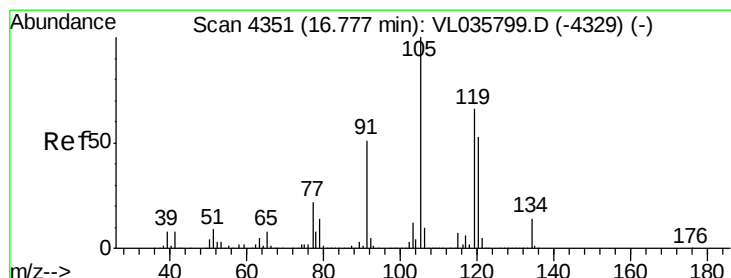
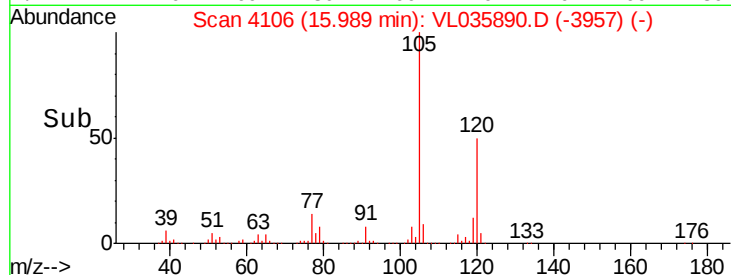
15.99

15.90

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.881 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Tgt Ion:105 Resp: 4187044

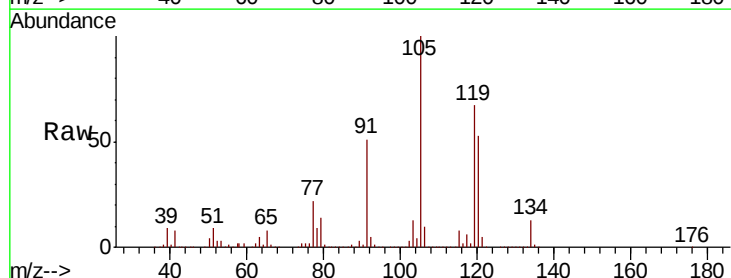
Ion Ratio Lower Upper

105 100

120 53.0 42.0 63.0

91 51.3 41.0 61.6

77 21.6 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): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

500000

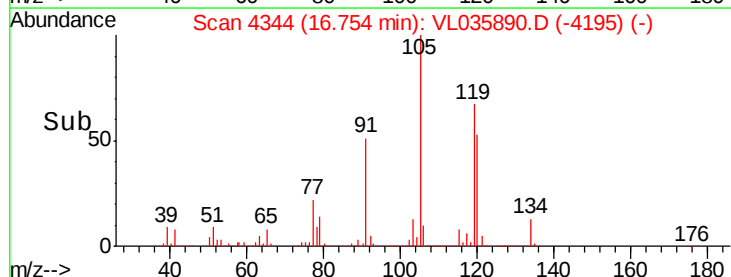
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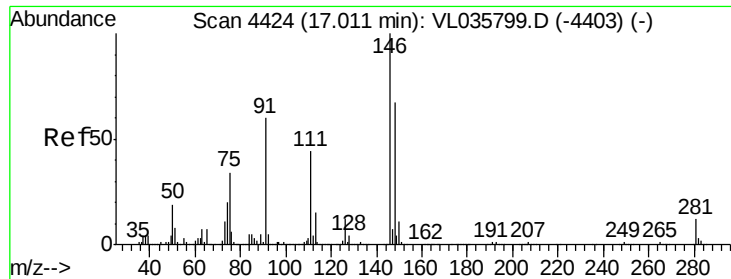
16.75

16.70

16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.169 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

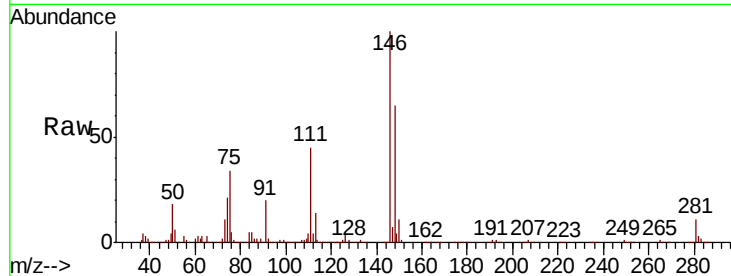
Tot Ion:146 Resp: 2763273

Ion Ratio Lower Upper

146 100

111 44.1 21.8 65.4

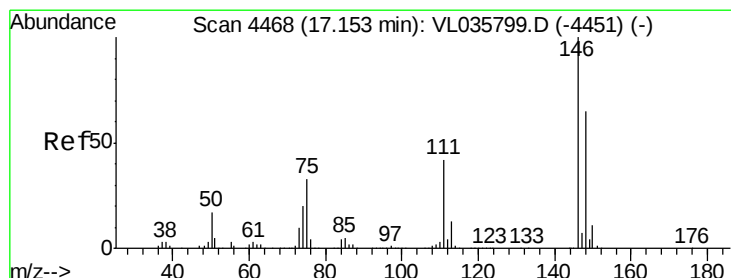
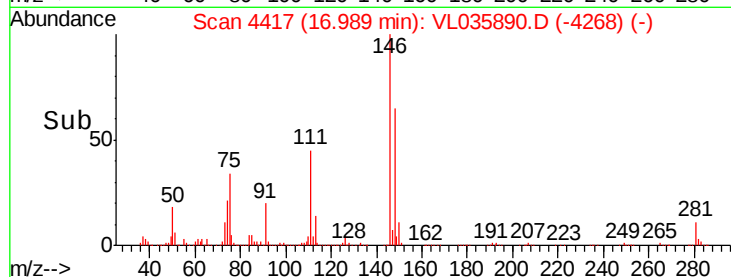
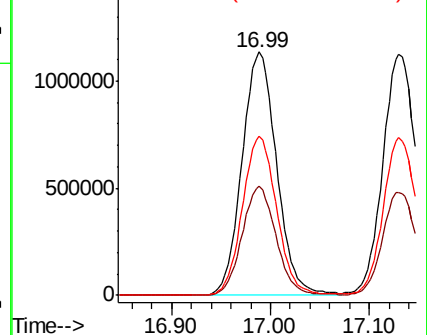
148 65.0 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.352 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

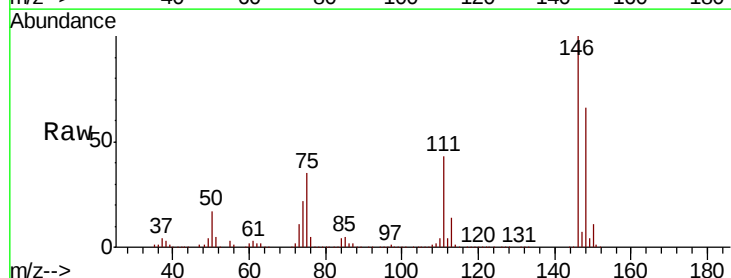
Tgt Ion:146 Resp: 2725416

Ion Ratio Lower Upper

146 100

111 42.8 21.3 63.7

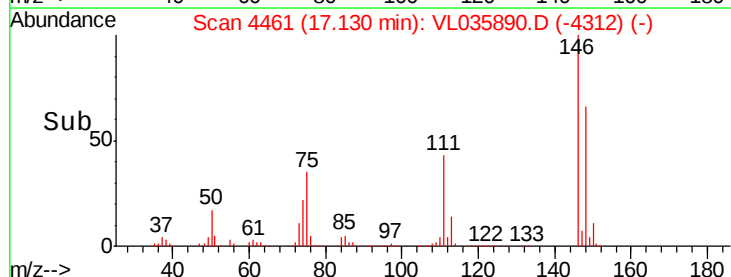
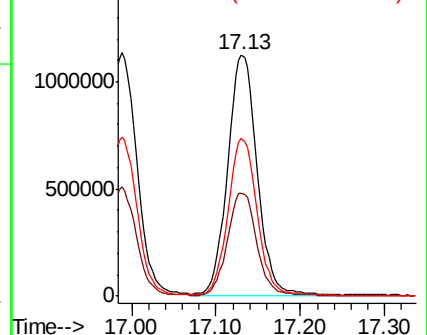
148 64.7 33.0 99.0

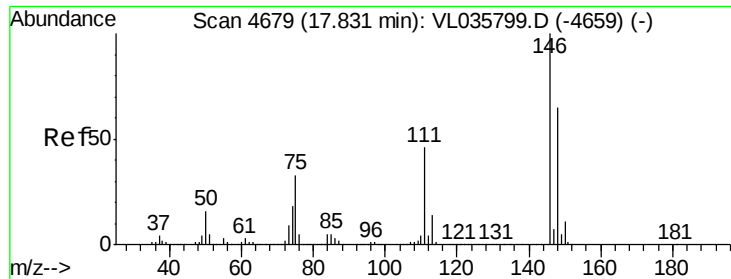


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

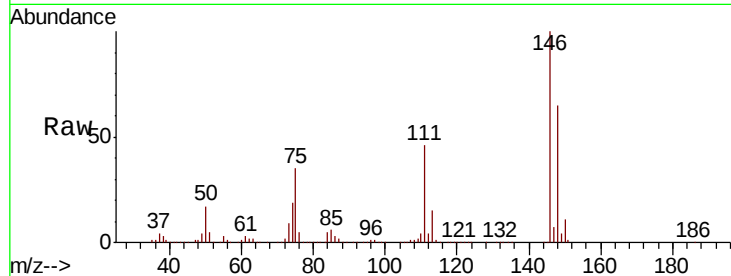




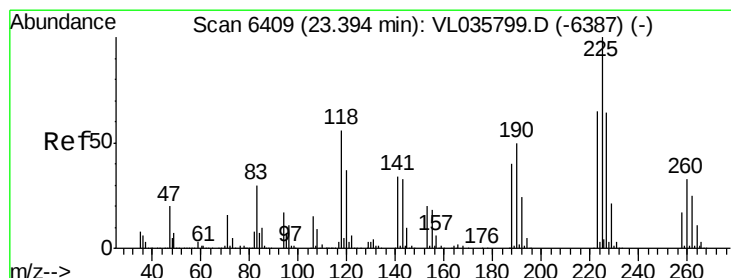
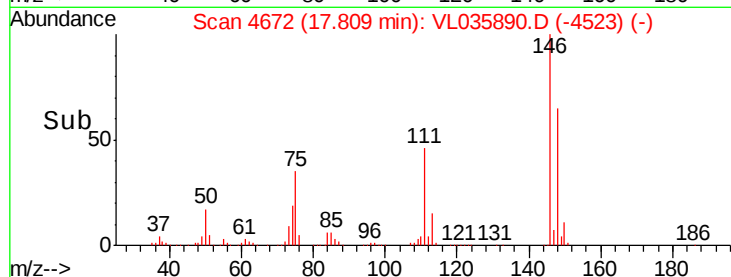
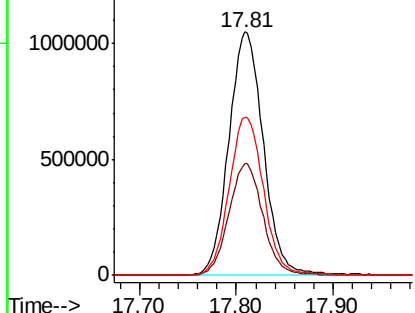
#77
 1,2-Dichlorobenzene
 Concen: 7.846 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2587268
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.4 67.0
 148 65.4 32.5 97.5

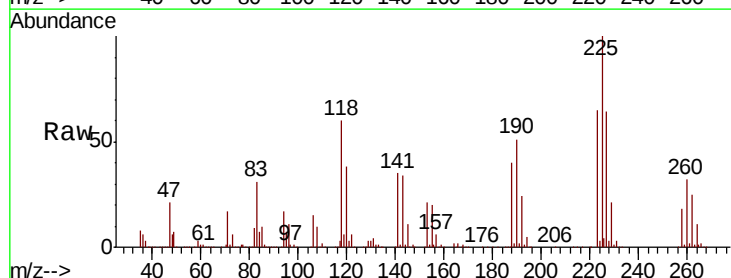


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

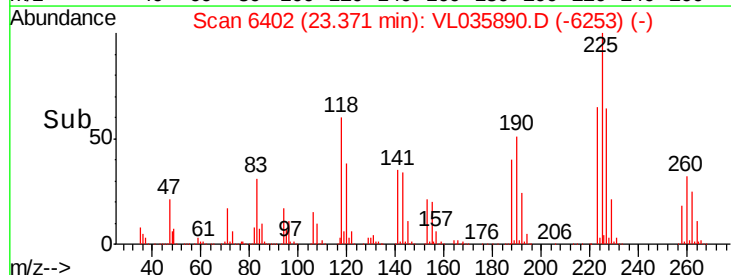
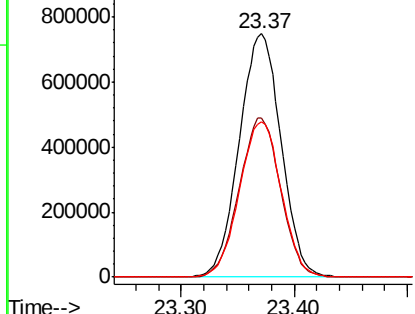


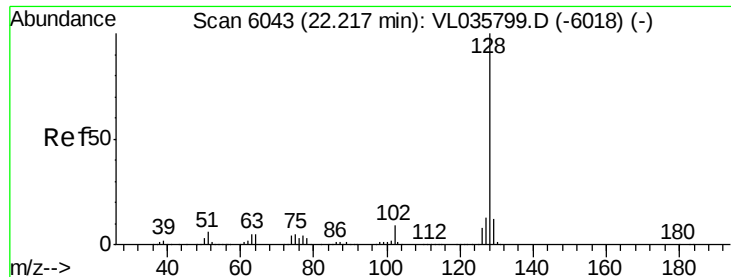
#78
 Hexachloro-1,3-Butadiene
 Concen: 12.440 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. -0.02 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Tgt Ion:225 Resp: 1914058
 Ion Ratio Lower Upper
 225 100
 223 65.1 51.0 76.6
 227 64.4 51.2 76.8



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.791 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. -0.03 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Instrument :

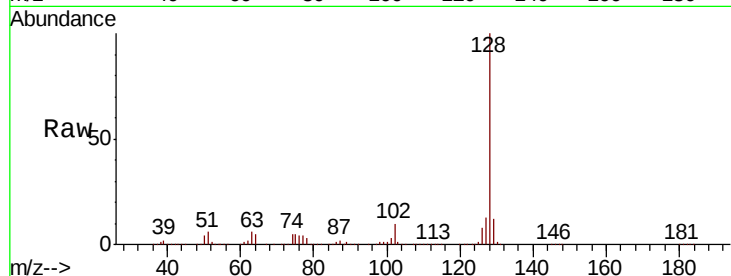
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 4737242

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.7	9.2	13.8

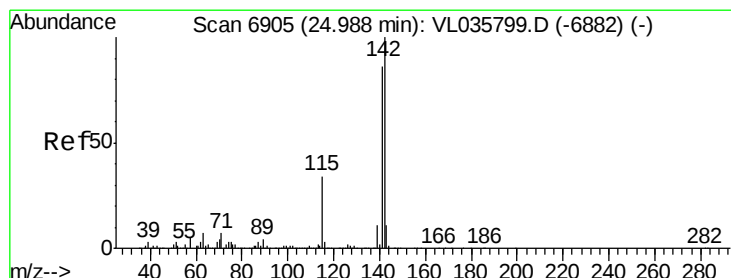
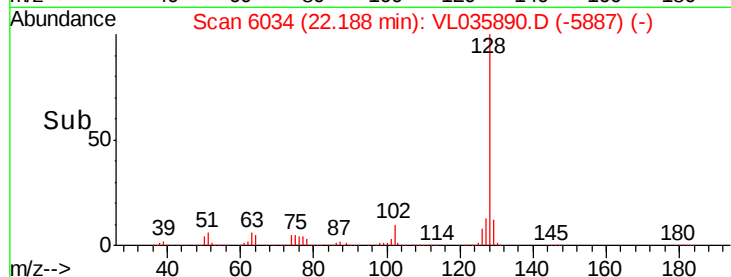
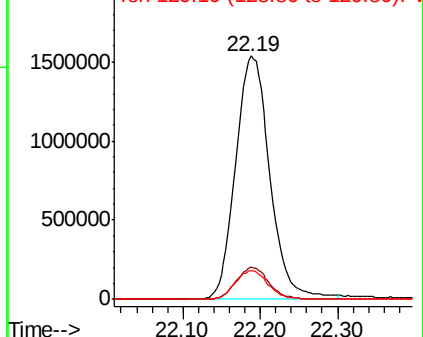


Abundance

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: 23.114 ppbv

RT: 24.97 min Scan# 6898

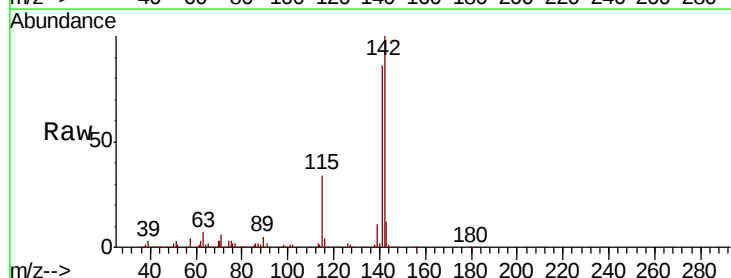
Delta R.T. -0.02 min

Lab File: VL035890.D

Acq: 6 Nov 2020 16:03

Tgt Ion:142 Resp: 1395031

Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.8	101.8
115	34.4	28.1	42.1

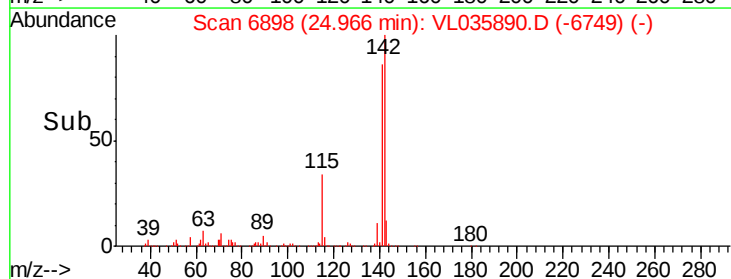
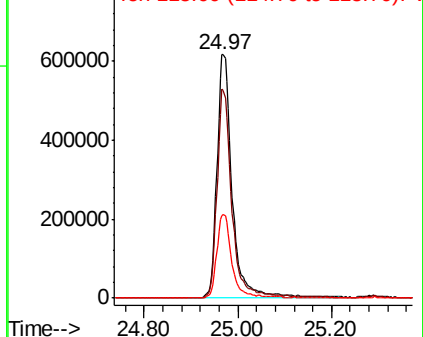


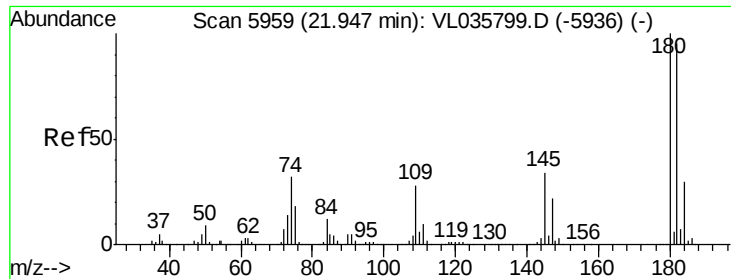
Abundance

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: 12.370 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. -0.03 min
 Lab File: VL035890.D
 Acq: 6 Nov 2020 16:03

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 2559685
 Ion Ratio Lower Upper
 180 100
 182 97.2 77.2 115.8
 184 31.5 24.7 37.1

