

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035936.D
 Acq On : 13 Nov 2020 8:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Nov 13 10:50:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.66	49	2060402	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	7191775	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	8084512	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	5481508	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2055952	5.300	ppbv	100
3) Chlorodifluoromethane	2.98	51	1315928	5.333	ppbv	99
4) Chloromethane	3.13	50	661707	5.520	ppbv	99
5) Vinyl Chloride	3.25	62	813816	5.326	ppbv	98
6) Bromomethane	3.47	94	665388	5.415	ppbv	98
7) Chloroethane	3.55	64	306353	5.697	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2340584	5.272	ppbv	97
9) Propene	3.00	41	474925	5.259	ppbv	98
10) Heptane	8.12	43	1475844	5.917	ppbv	99
11) Trichlorofluoromethane	3.94	101	2799970	5.748	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2089386	5.761	ppbv	99
13) Ethanol	3.60	45	92715	4.732	ppbv	93
14) Bromoethene	3.73	108	860653	5.157	ppbv	99
15) Acetone	3.84	43	1217882	5.529	ppbv	99
16) 1,3-Butadiene	3.32	39	529412	5.582	ppbv	96
17) tert-Butyl alcohol	4.29	59	1355997	4.645	ppbv	99
18) 1,1-Dichloroethene	4.28	96	925668	5.559	ppbv	94
19) Isopropyl Alcohol	3.96	45	638441	4.716	ppbv	# 95
20) Methylene Chloride	4.34	84	806165	5.199	ppbv	99
21) Allyl Chloride	4.41	41	688517	5.780	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	958595	5.679	ppbv	99
23) Vinyl Acetate	5.07	43	1618014	5.240	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1623954	5.521	ppbv	100
25) Ethyl Acetate	5.68	43	2428498	5.596	ppbv	99
26) Hexane	5.68	57	1282731	5.360	ppbv	97
27) Carbon Disulfide	4.55	76	2032713	5.669	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2148769	5.000	ppbv	100
29) Chloroform	5.75	83	2545111	5.411	ppbv	98
30) Cyclohexane	7.13	84	1352539	5.189	ppbv	94
31) cis-1,2-Dichloroethene	5.55	61	1327641	5.393	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2461547	5.015	ppbv	99
34) 2-Butanone	5.24	43	1585915	6.795	ppbv	96
35) Carbon Tetrachloride	7.02	117	2464342	6.413	ppbv	100
36) Benzene	6.89	78	3160067	5.910	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1606048	6.631	ppbv	98
38) Trichloroethene	7.84	130	1477974	5.659	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1125976	6.255	ppbv	99
40) 1,4-Dioxane	7.83	88	476185	5.582	ppbv	74
41) Tetrahydrofuran	6.05	42	897230	6.766	ppbv	96
42) Bromodichloromethane	7.80	83	2611186	6.389	ppbv	98
43) Methyl Methacrylate	8.02	69	1320335	6.474	ppbv	95

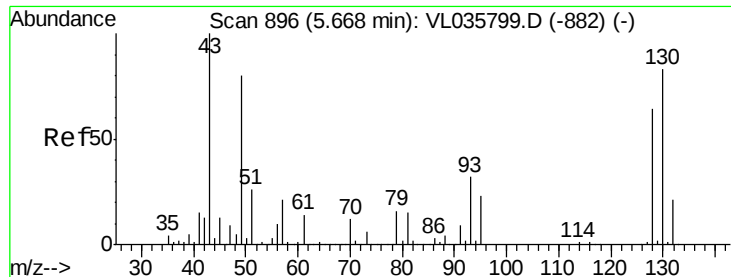
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
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 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4470736	6.319	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1398531	6.469	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1727665	6.310	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1486513	6.061	ppbv	99
48) Dibromochloromethane	10.31	129	2431791	6.490	ppbv	99
49) Bromoform	13.05	173	2090208	6.611	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2515247	7.047	ppbv	98
51) 2-Hexanone	10.14	43	2063556	7.198	ppbv #	97
52) Tetrachloroethene	11.23	164	1352328	5.339	ppbv	99
53) Toluene	9.81	91	3864869	5.991	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2258203	6.054	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1919699	5.291	ppbv #	31
57) Chlorobenzene	12.16	112	3226332	5.019	ppbv	99
58) Ethyl Benzene	12.72	91	5124616	5.205	ppbv	100
59) m/p-Xylene	13.00	91	5186280	6.226	ppbv #	51
60) o-Xylene	13.70	91	4365568	5.387	ppbv	98
61) Styrene	13.54	104	3223927	5.430	ppbv	99
62) Isopropylbenzene	14.68	105	6469432	5.079	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3255135	5.184	ppbv	99
64) n-propylbenzene	15.57	120	1924606	5.228	ppbv	95
65) tert-Butylbenzene	16.75	119	5982414	5.160	ppbv	97
66) Benzyl Chloride	17.00	91	2204789	5.753	ppbv	99
67) sec-Butylbenzene	17.30	105	8128512	5.203	ppbv	99
69) p-Isopropyltoluene	17.66	119	6836490	5.302	ppbv	98
70) n-Butylbenzene	18.56	91	7055169	5.682	ppbv	99
71) 2-Chlorotoluene	15.46	91	5011543	5.379	ppbv	97
72) 4-Ethyltoluene	15.85	105	5252160	5.344	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4916463	5.466	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	5207293	5.403	ppbv	99
75) 1,3-Dichlorobenzene	17.01	146	3251353	5.298	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3165287	5.347	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3180867	5.317	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1864875	6.681	ppbv	99
79) Naphthalene	22.21	128	4744770	7.062	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1202474	10.983	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	2388378	6.363	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC010EC

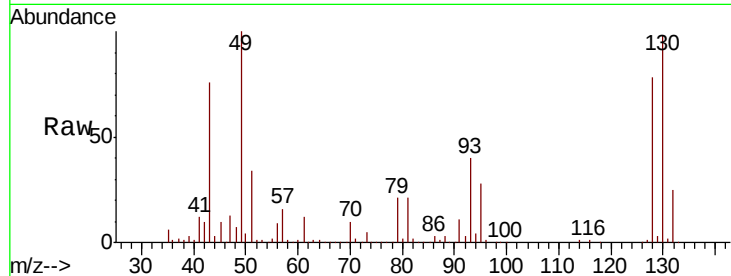
Tot Ion: 49 Resp: 2060402

Ion Ratio Lower Upper

49 100

128 80.4 41.5 124.6

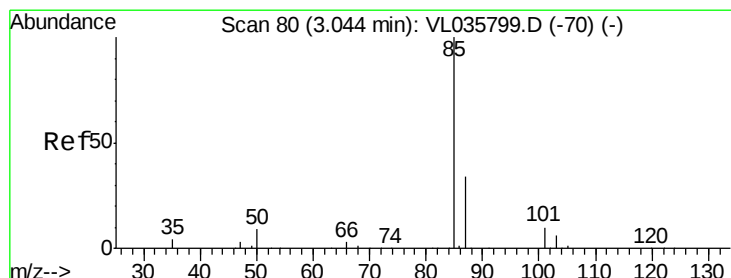
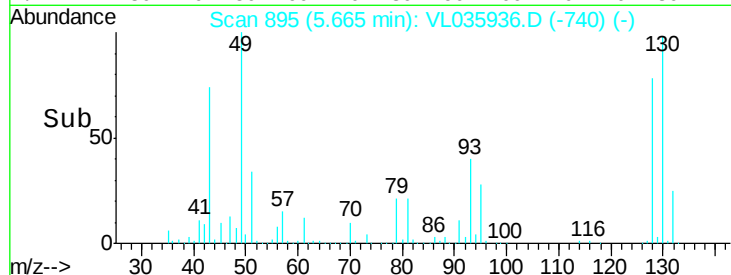
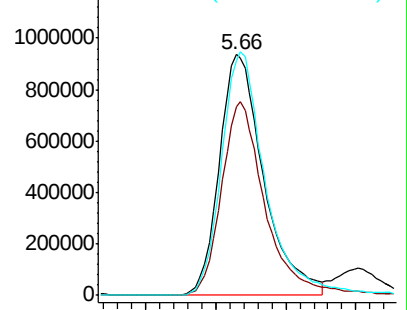
130 102.2 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 5.300 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035936.D

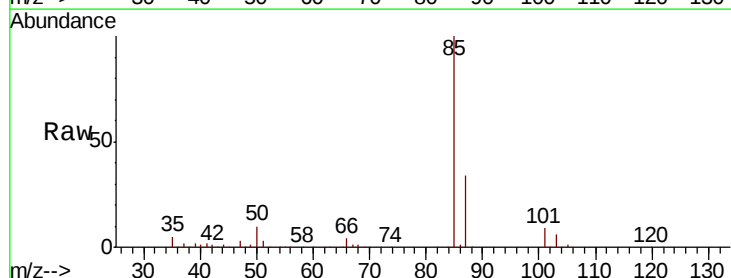
Acq: 13 Nov 2020 8:33

Tgt Ion: 85 Resp: 2055952

Ion Ratio Lower Upper

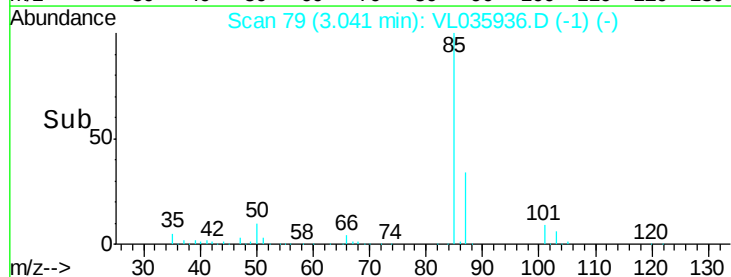
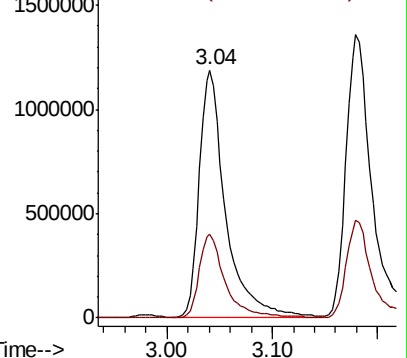
85 100

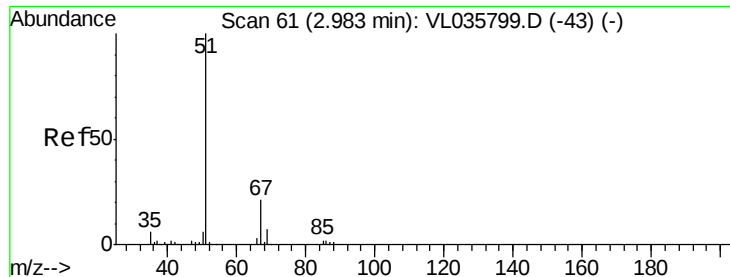
87 33.8 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

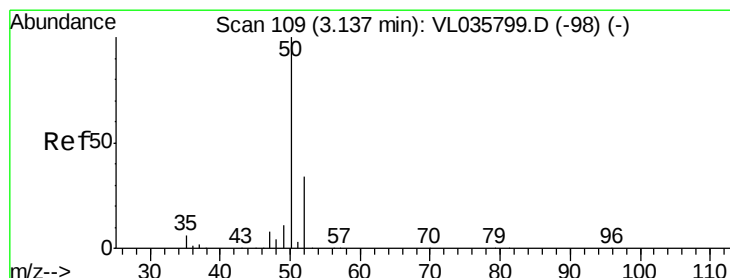
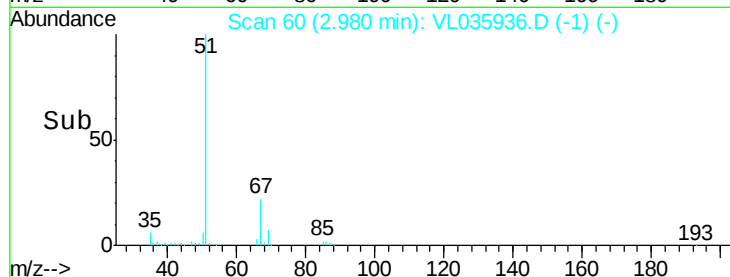
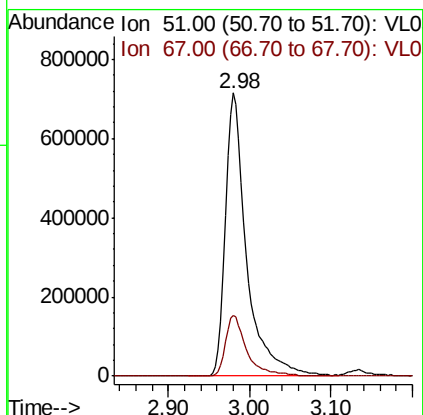
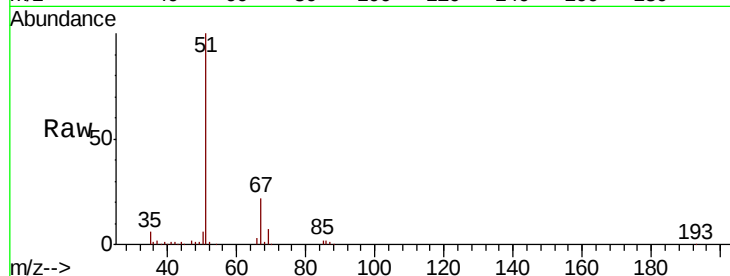




#3
 Chlorodifluoromethane
 Concen: 5.333 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

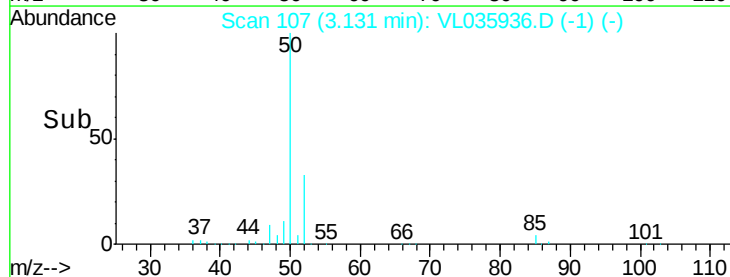
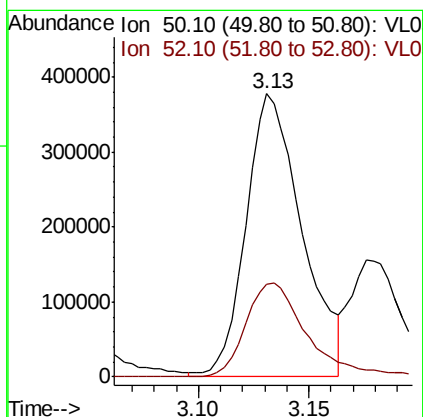
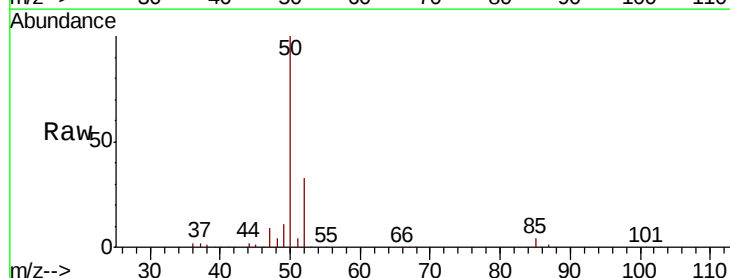
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

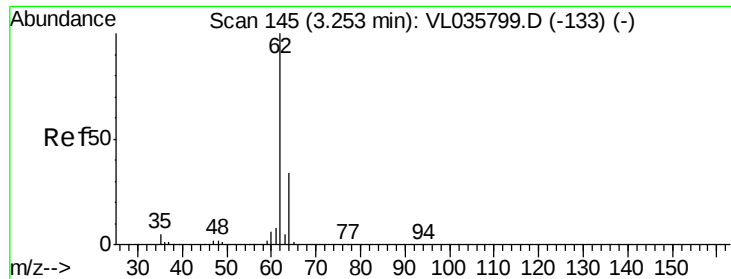
Tot Ion: 51 Resp: 1315928
 Ion Ratio Lower Upper
 51 100
 67 21.6 17.0 25.4



#4
 Chloromethane
 Concen: 5.520 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. -0.01 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion: 50 Resp: 661707
 Ion Ratio Lower Upper
 50 100
 52 33.4 27.1 40.7





#5

Vinyl Chloride

Concen: 5.326 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

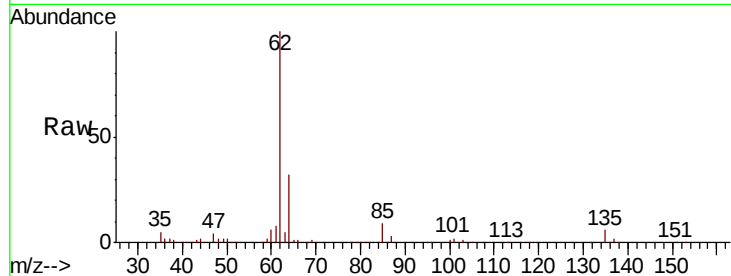
VSTDCCC010EC

Tot Ion: 62 Resp: 813816

Ion Ratio Lower Upper

62 100

64 32.5 26.9 40.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

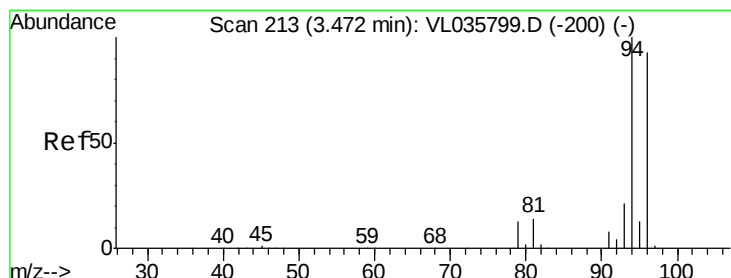
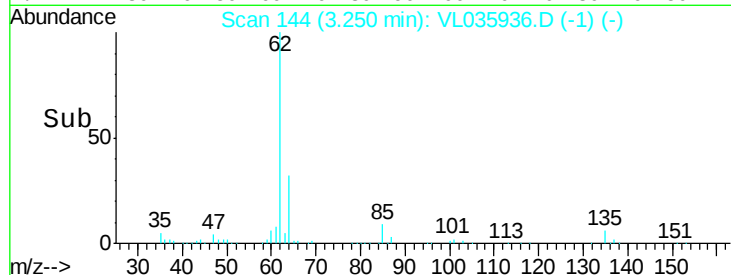
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200000

100000

0

Time-->



#6

Bromomethane

Concen: 5.415 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL035936.D

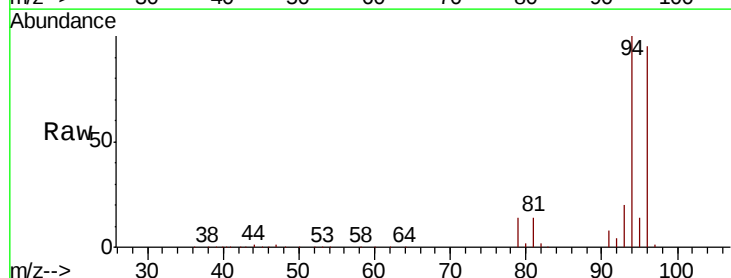
Acq: 13 Nov 2020 8:33

Tgt Ion: 94 Resp: 665388

Ion Ratio Lower Upper

94 100

96 94.9 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

400000

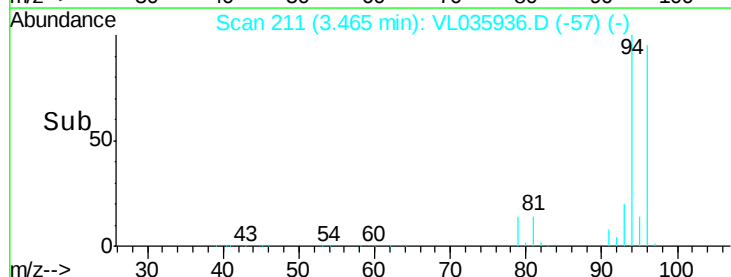
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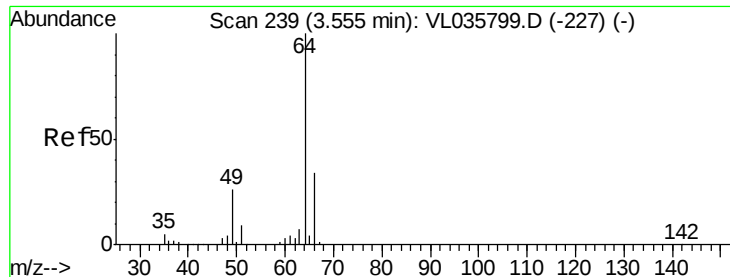
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100000

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Time-->





#7

Chloroethane

Concen: 5.697 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

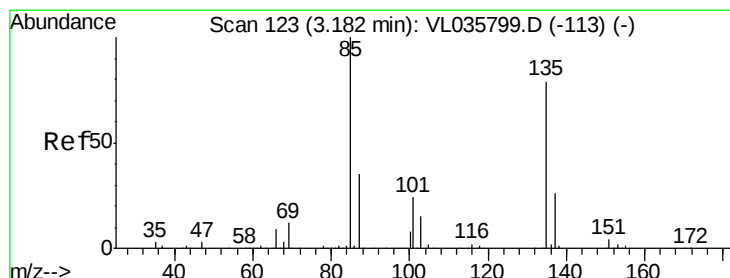
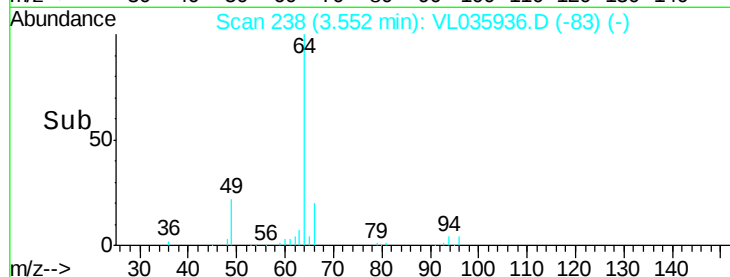
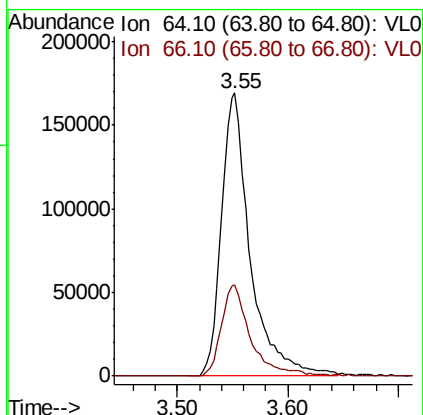
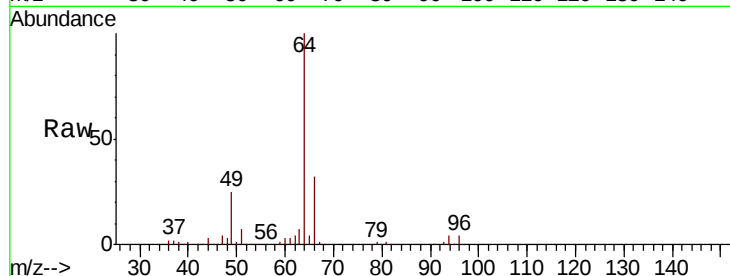
VSTDCCC010EC

Tot Ion: 64 Resp: 306353

Ion Ratio Lower Upper

64 100

66 32.2 27.0 40.6



#8

Dichlorotetrafluoroethane

Concen: 5.272 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL035936.D

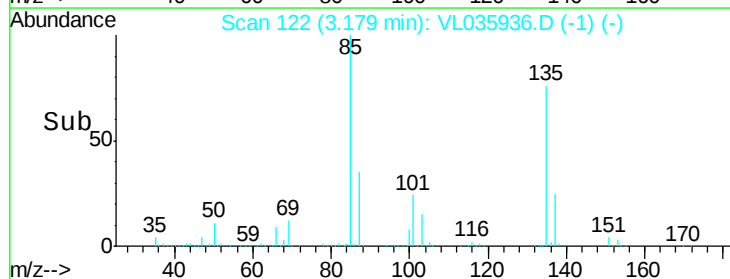
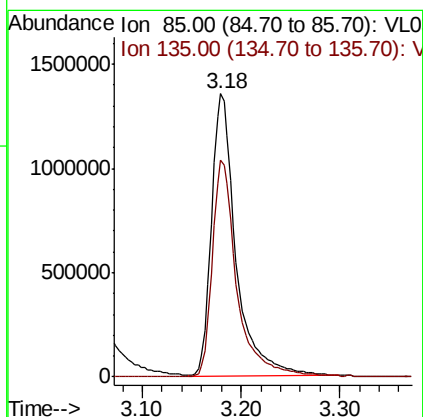
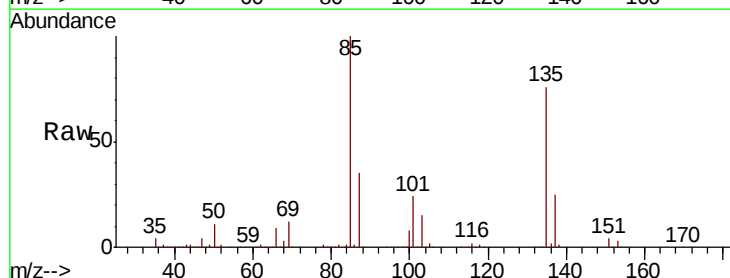
Acq: 13 Nov 2020 8:33

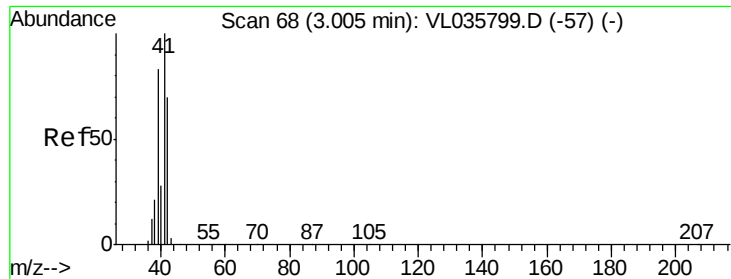
Tgt Ion: 85 Resp: 2340584

Ion Ratio Lower Upper

85 100

135 78.2 64.6 96.8





#9

Propene

Concen: 5.259 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

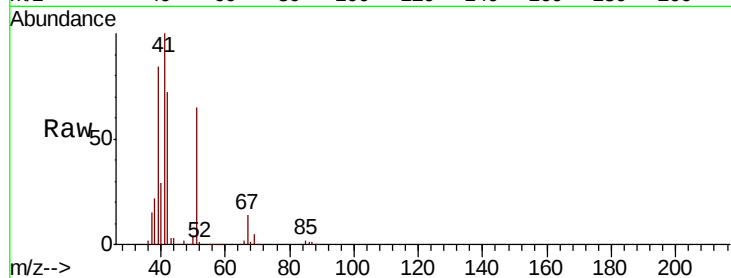
VSTDCCC010EC

Tot Ion: 41 Resp: 474925

Ion Ratio Lower Upper

41 100

42 72.2 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

250000

200000

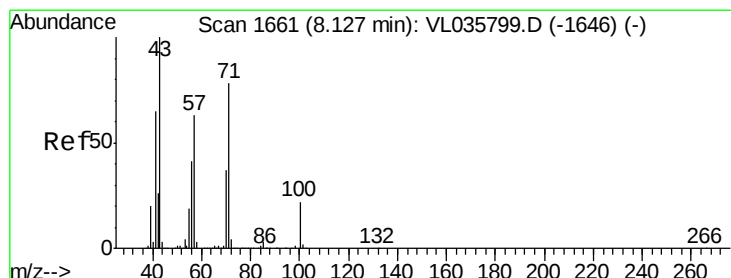
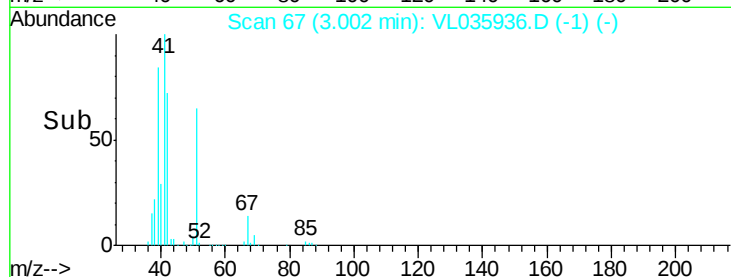
150000

100000

50000

0

Time-->



#10

Heptane

Concen: 5.917 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL035936.D

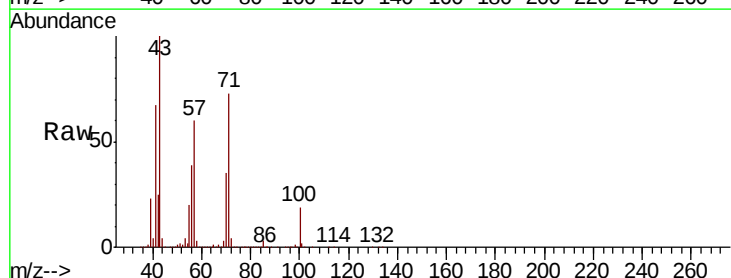
Acq: 13 Nov 2020 8:33

Tgt Ion: 43 Resp: 1475844

Ion Ratio Lower Upper

43 100

57 61.8 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

800000

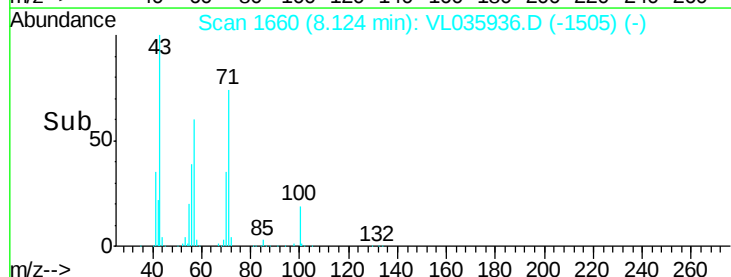
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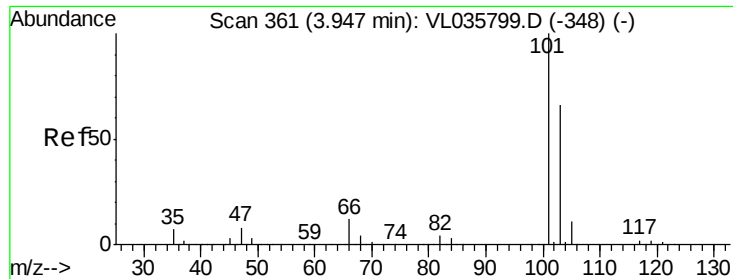
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200000

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Time-->

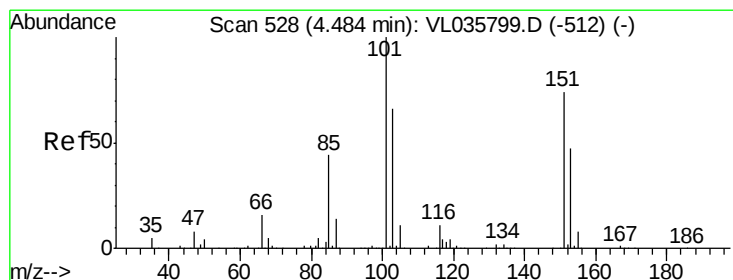
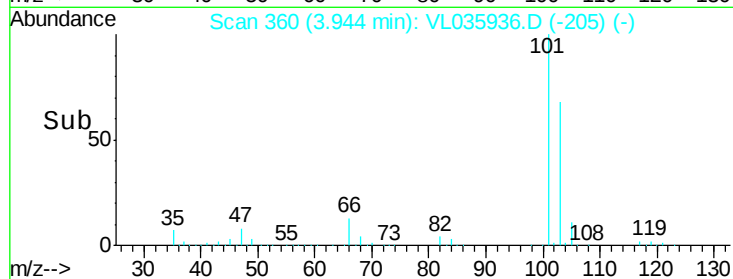
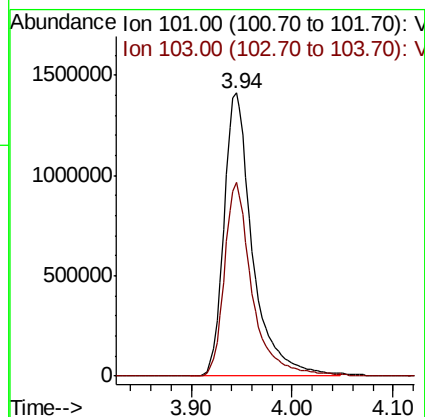
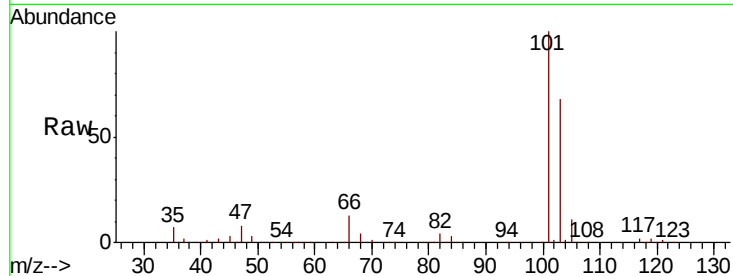




#11
 Trichlorofluoromethane
 Concen: 5.748 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

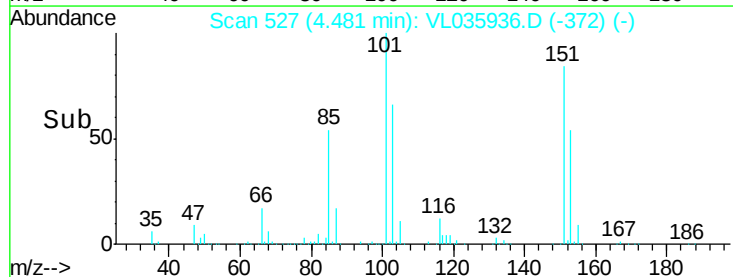
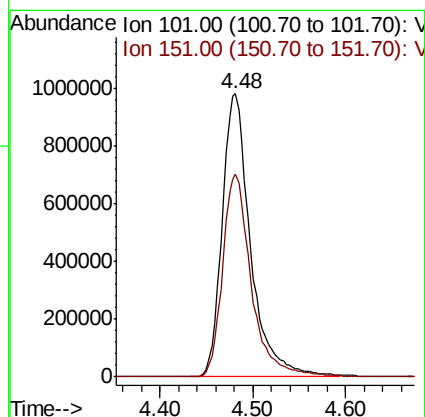
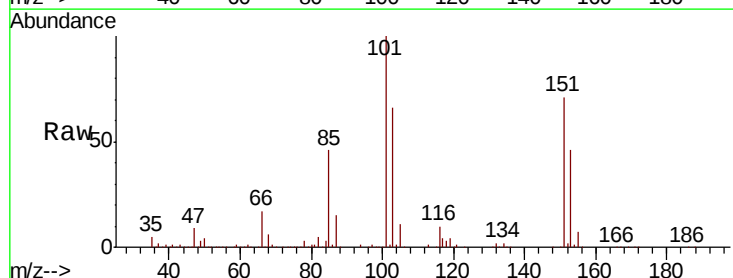
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

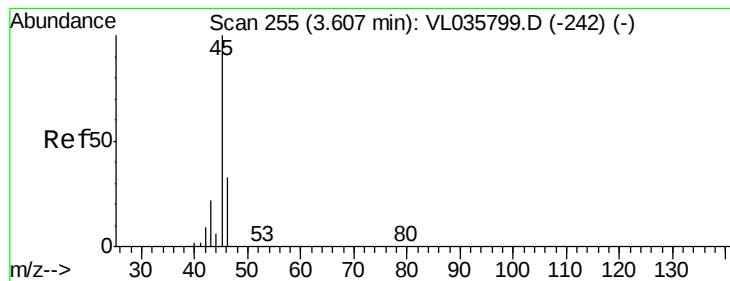
Tot Ion:101 Resp: 2799970
 Ion Ratio Lower Upper
 101 100
 103 68.3 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.761 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion:101 Resp: 2089386
 Ion Ratio Lower Upper
 101 100
 151 72.5 58.9 88.3





#13

Ethanol

Concen: 4.732 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

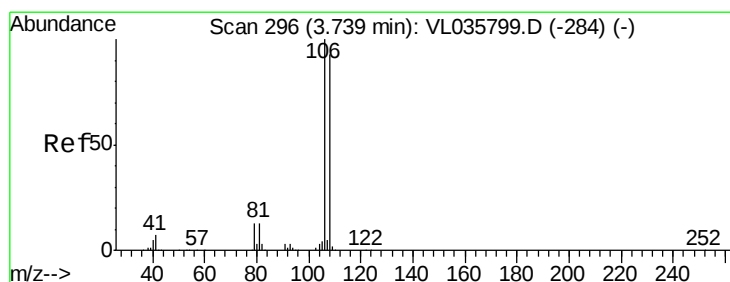
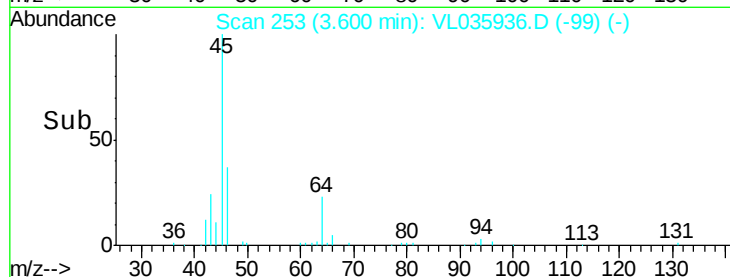
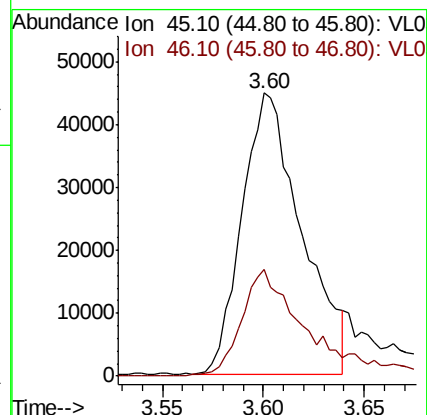
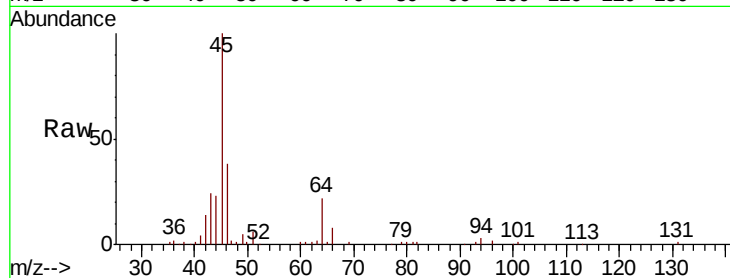
VSTDCCC010EC

Tot Ion: 45 Resp: 92715

Ion Ratio Lower Upper

45 100

46 44.5 16.1 64.5



#14

Bromoethene

Concen: 5.157 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

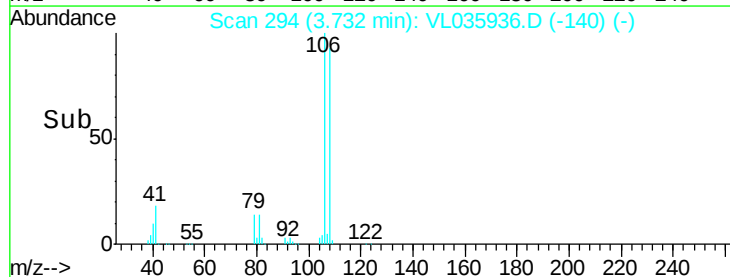
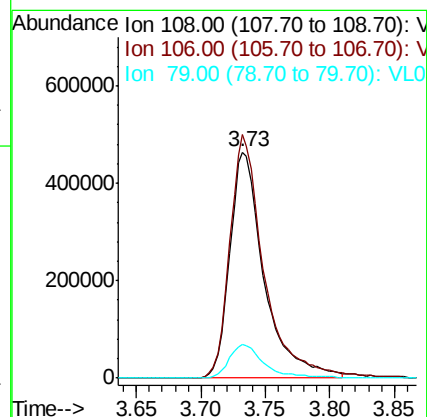
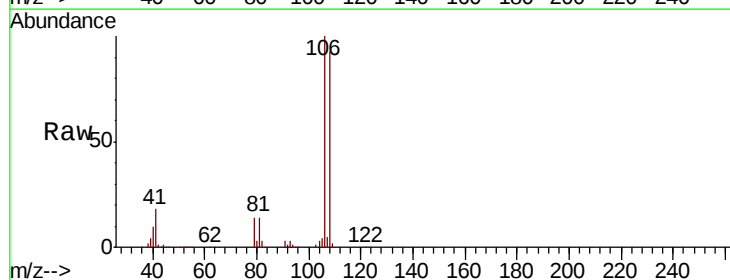
Tgt Ion: 108 Resp: 860653

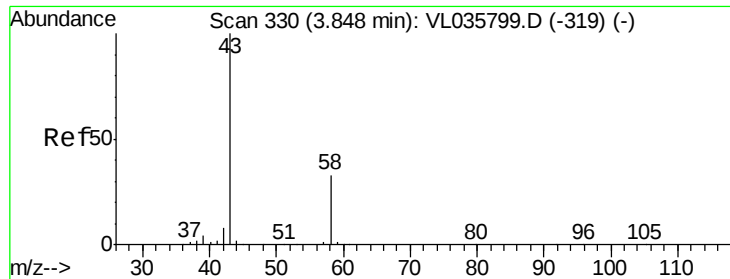
Ion Ratio Lower Upper

108 100

106 107.9 85.3 127.9

79 15.7 11.6 17.4





#15

Acetone

Concen: 5.529 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

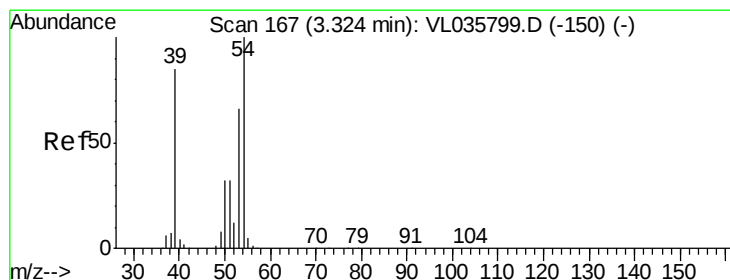
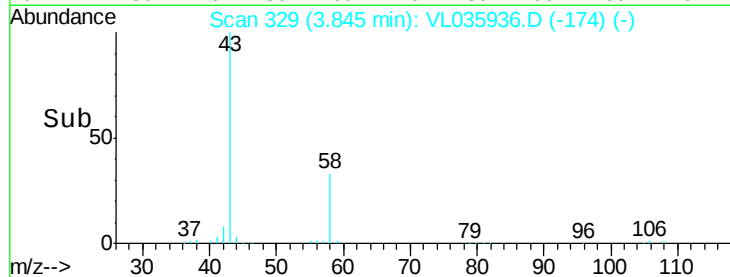
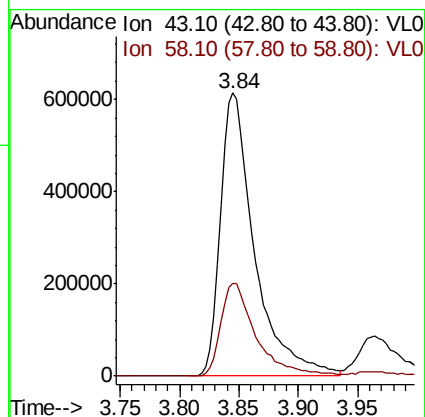
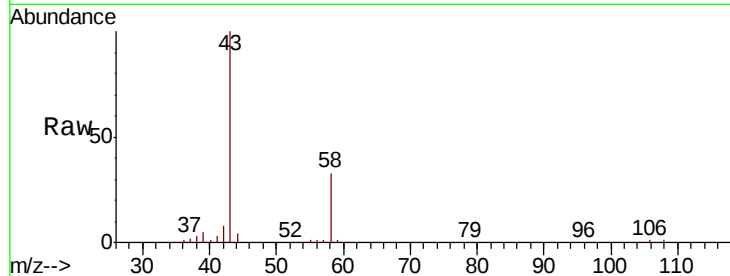
VSTDCCC010EC

Tot Ion: 43 Resp: 1217882

Ion Ratio Lower Upper

43 100

58 33.7 27.5 41.3



#16

1,3-Butadiene

Concen: 5.582 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL035936.D

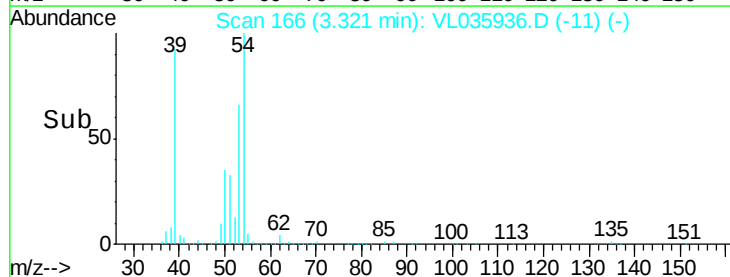
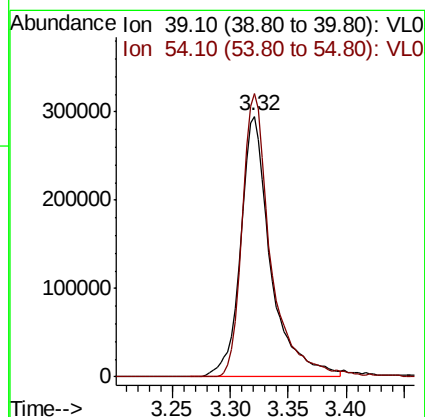
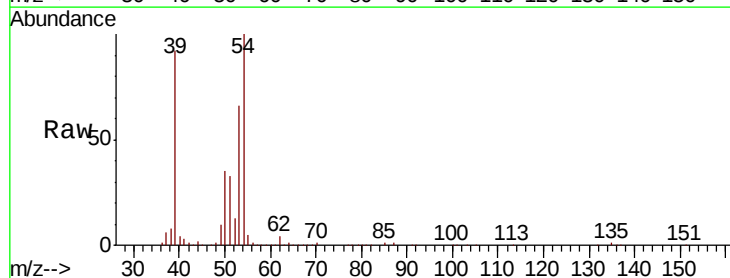
Acq: 13 Nov 2020 8:33

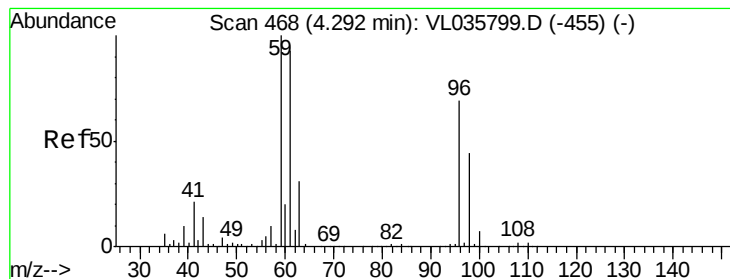
Tgt Ion: 39 Resp: 529412

Ion Ratio Lower Upper

39 100

54 104.5 87.1 130.7





#17

tert-Butyl alcohol

Concen: 4.645 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

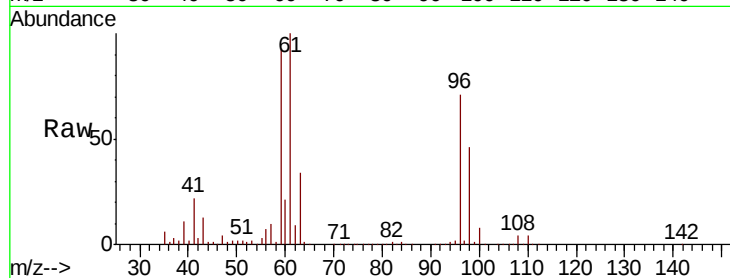
VSTDCCC010EC

Tot Ion: 59 Resp: 1355997

Ion Ratio Lower Upper

59 100

57 10.6 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

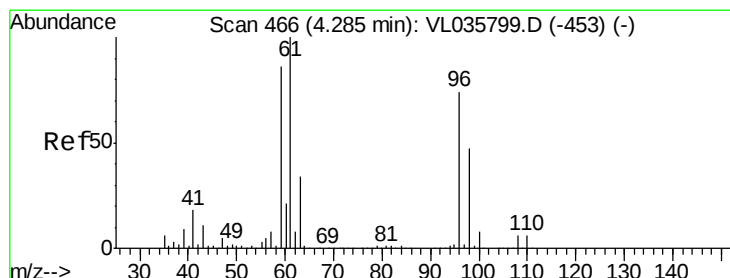
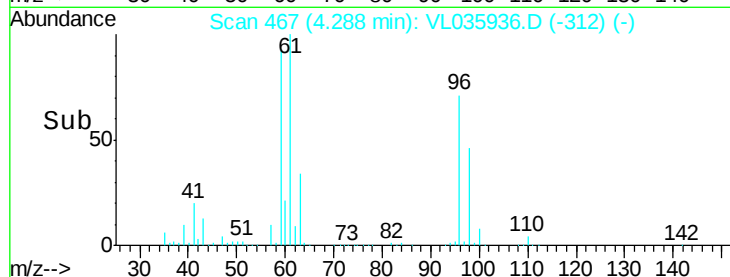
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 5.559 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

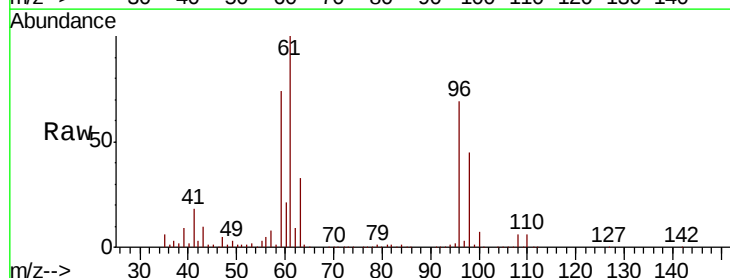
Tgt Ion: 96 Resp: 925668

Ion Ratio Lower Upper

96 100

61 144.5 108.5 162.7

98 65.2 50.7 76.1



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

4.28

800000

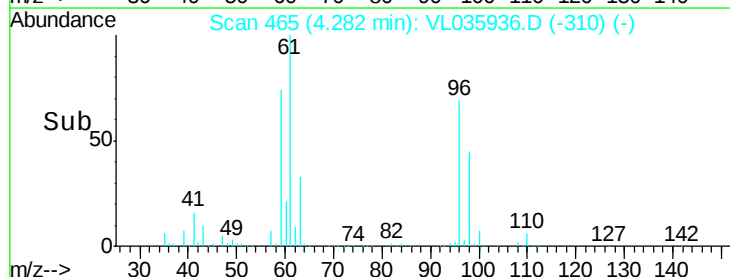
600000

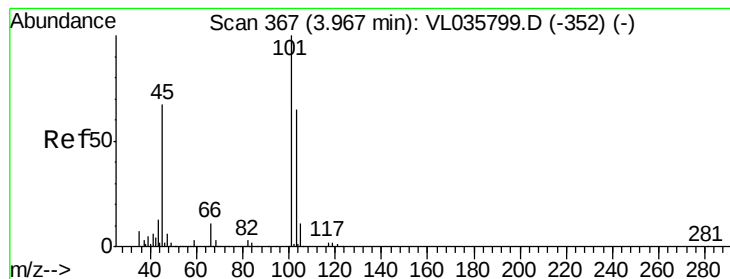
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 4.716 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

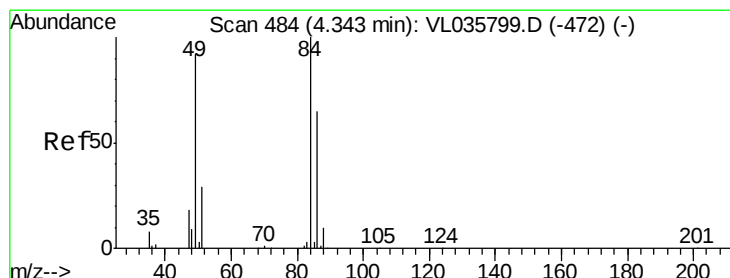
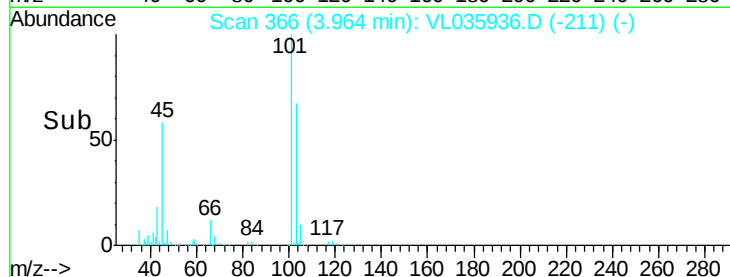
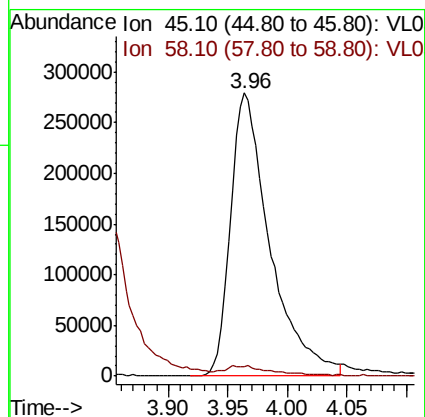
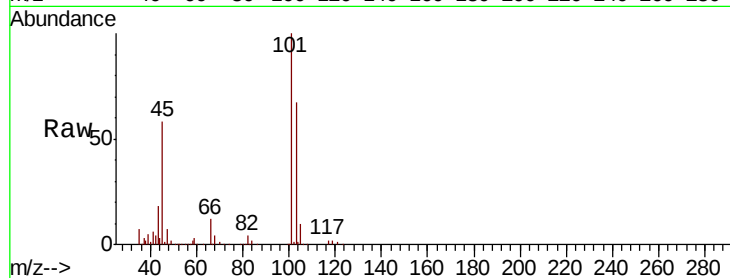
VSTDCCC010EC

Tot Ion: 45 Resp: 638441

Ion Ratio Lower Upper

45 100

58 4.8 2.6 3.8#



#20

Methylene Chloride

Concen: 5.199 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Tgt Ion: 84 Resp: 806165

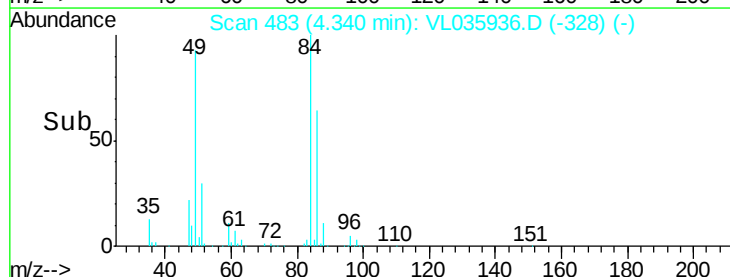
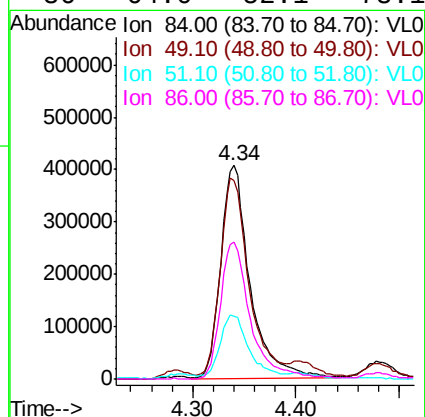
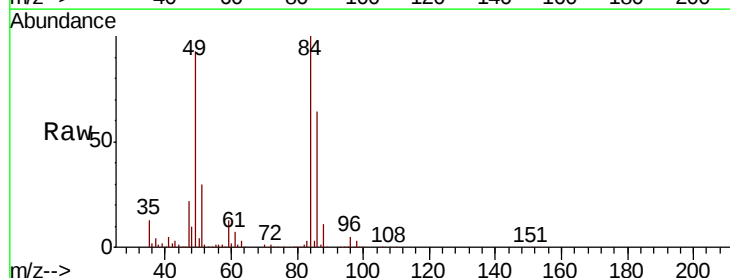
Ion Ratio Lower Upper

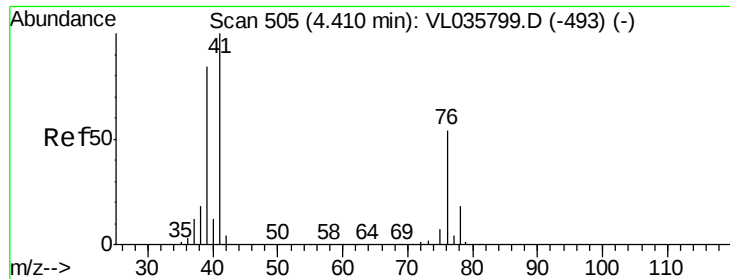
84 100

49 91.9 73.8 110.8

51 28.9 23.0 34.4

86 64.0 52.1 78.1

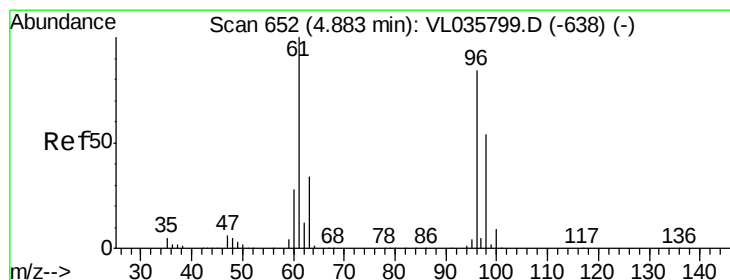
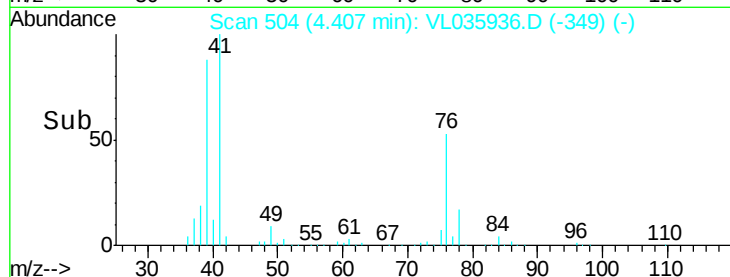
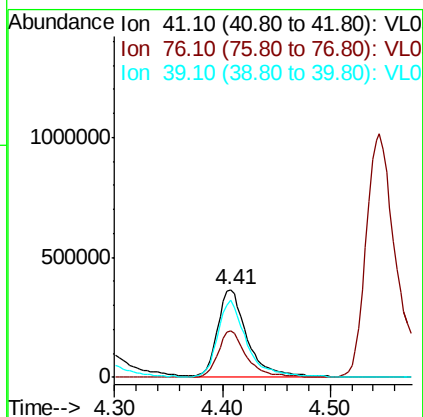
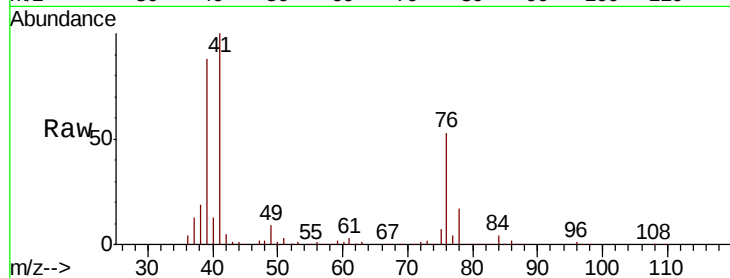




#21
 Allvl Chloride
 Concen: 5.780 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

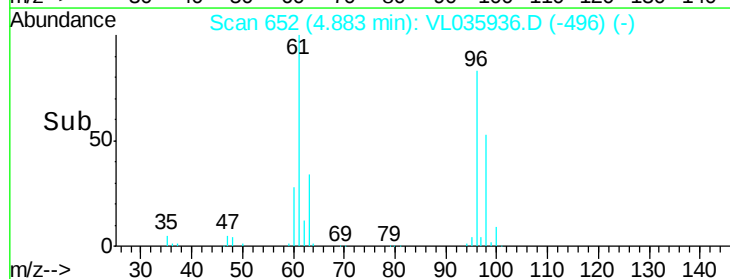
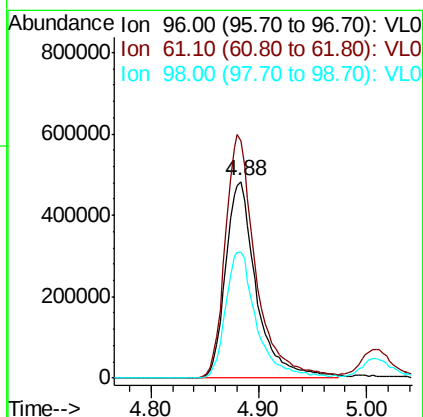
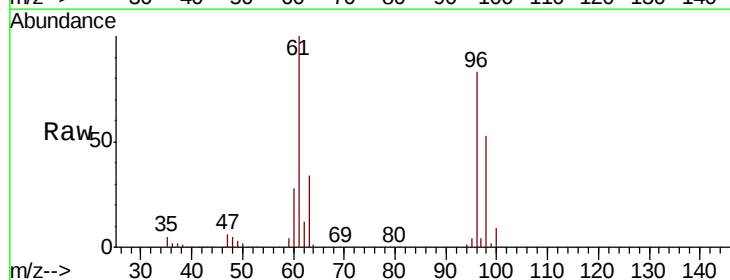
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

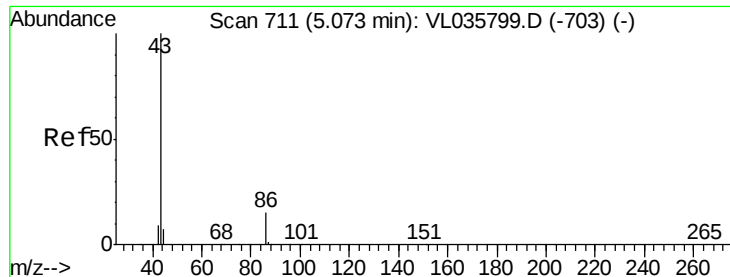
Tot Ion: 41 Resp: 688517
 Ion Ratio Lower Upper
 41 100
 76 52.0 42.6 63.8
 39 85.5 67.0 100.4



#22
 trans-1,2-Dichloroethene
 Concen: 5.679 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. 0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion: 96 Resp: 958595
 Ion Ratio Lower Upper
 96 100
 61 121.2 95.4 143.0
 98 64.4 51.8 77.6





#23

Vinyl Acetate

Concen: 5.240 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

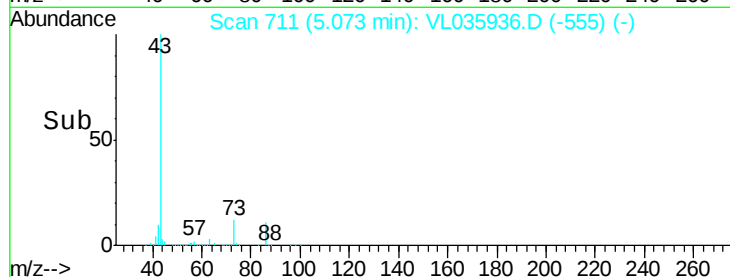
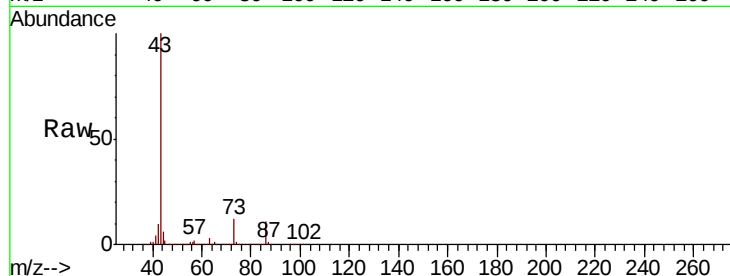
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1618014

Ion	Ratio	Lower	Upper
43	100		
86	11.2	9.8	14.6
42	10.0	8.1	12.1
44	5.7	4.2	6.4

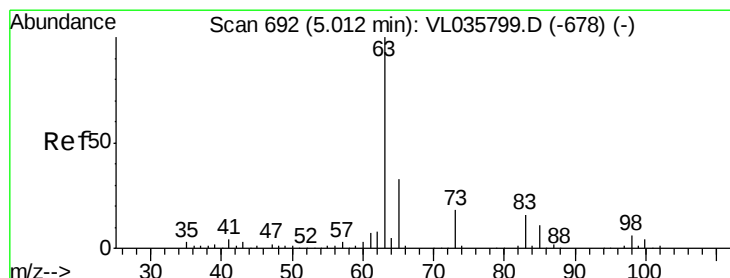


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 5.521 ppbv

RT: 5.01 min Scan# 691

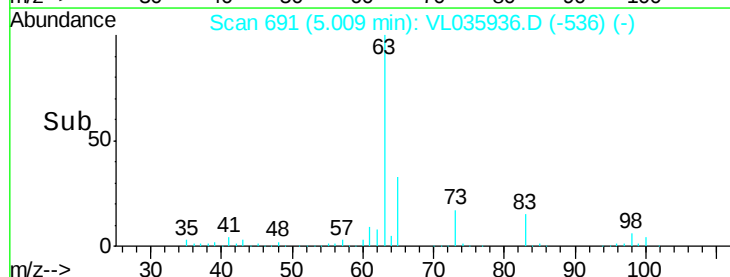
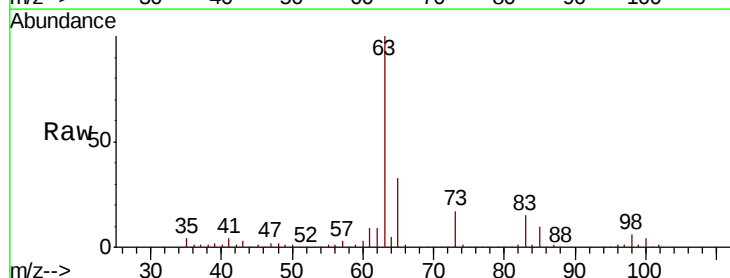
Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Tgt Ion: 63 Resp: 1623954

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	3.6	1.8	5.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 5.596 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2428498

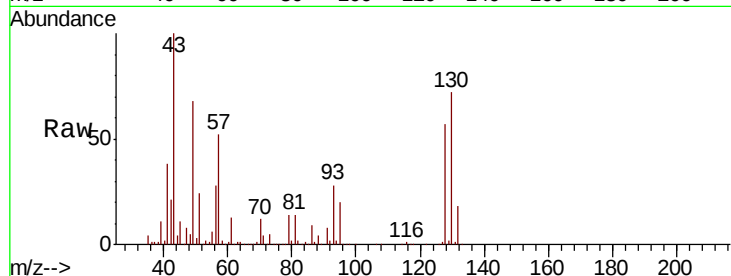
Ion Ratio Lower Upper

43 100

45 10.6 8.5 12.7

61 13.1 10.7 16.1

70 10.4 8.6 12.8

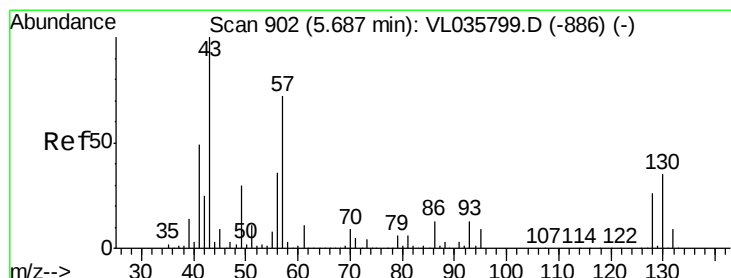
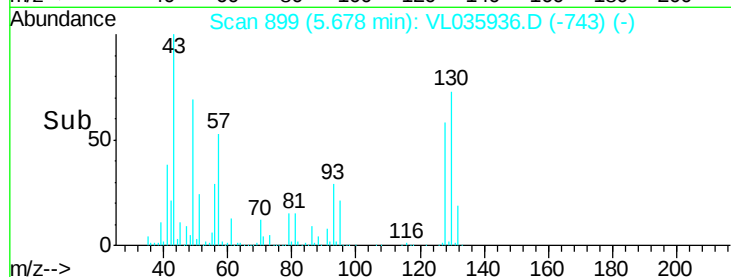
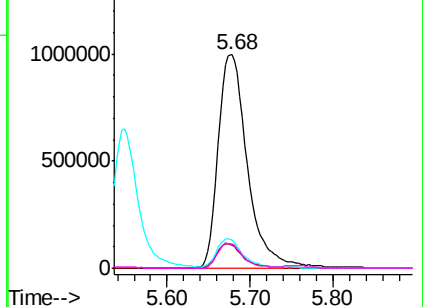


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 5.360 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Tgt Ion: 57 Resp: 1282731

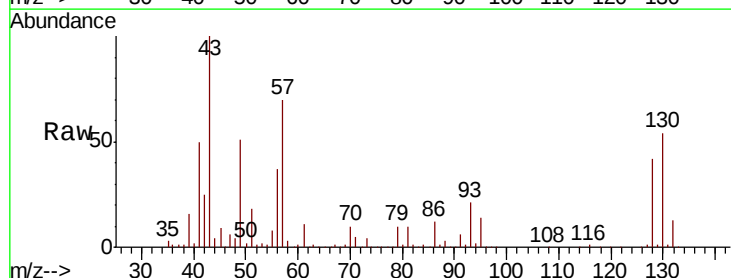
Ion Ratio Lower Upper

57 100

41 76.9 58.9 88.3

43 191.0 150.2 225.2

56 54.5 42.4 63.6

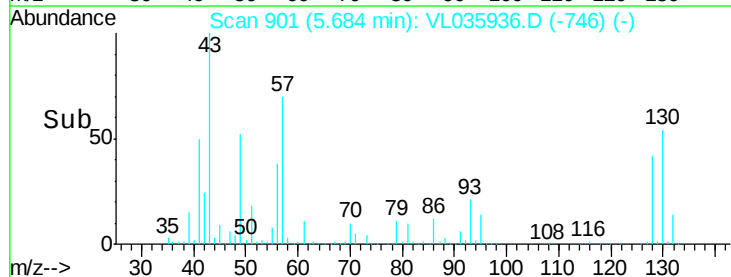
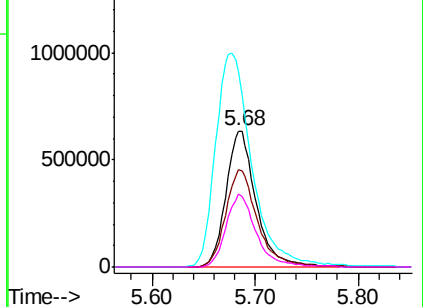


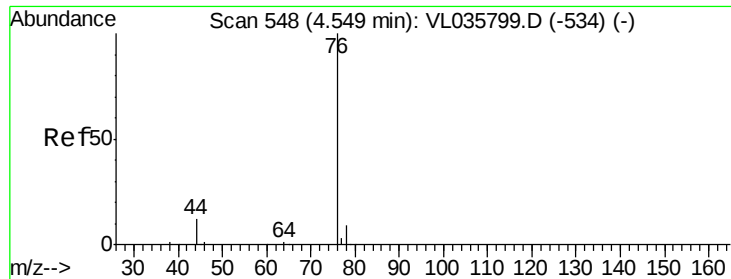
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

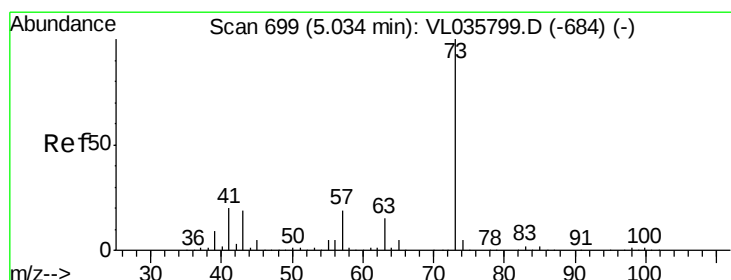
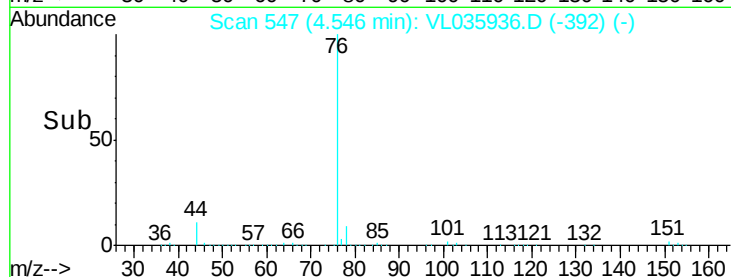
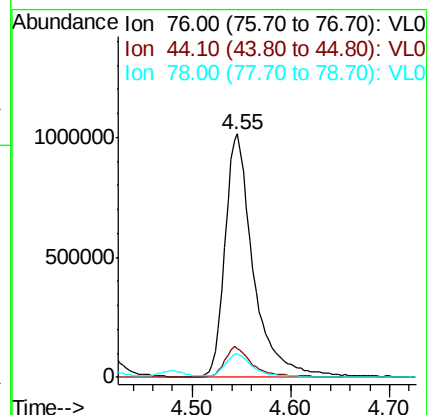
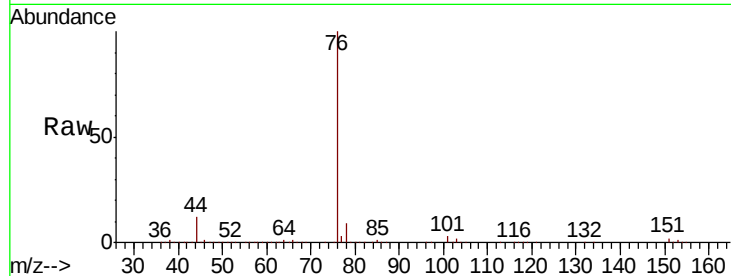




#27
Carbon Disulfide
Concen: 5.669 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

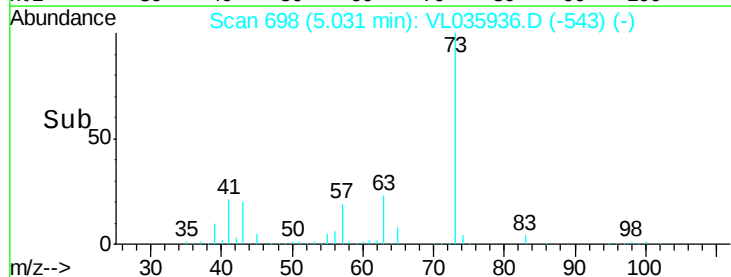
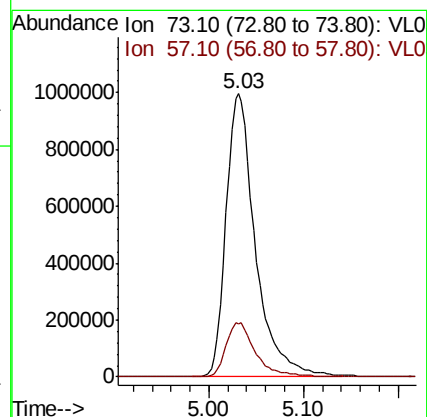
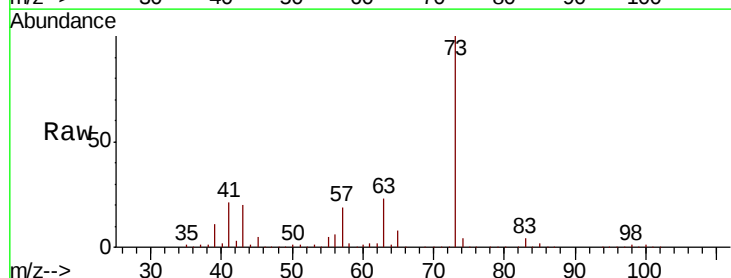
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

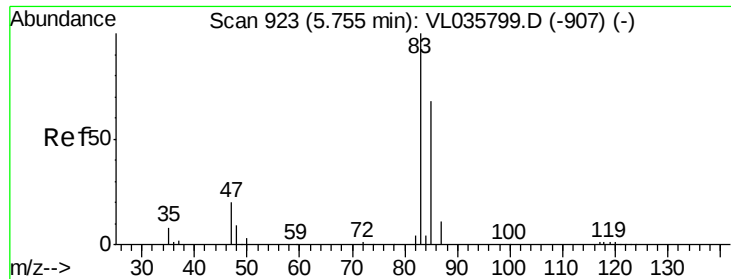
Tot Ion: 76 Resp: 2032713
Ion Ratio Lower Upper
76 100
44 11.9 9.9 14.9
78 10.0 8.1 12.1



#28
Methyl tert-Butyl Ether
Concen: 5.000 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

Tgt Ion: 73 Resp: 2148769
Ion Ratio Lower Upper
73 100
57 19.4 15.4 23.2

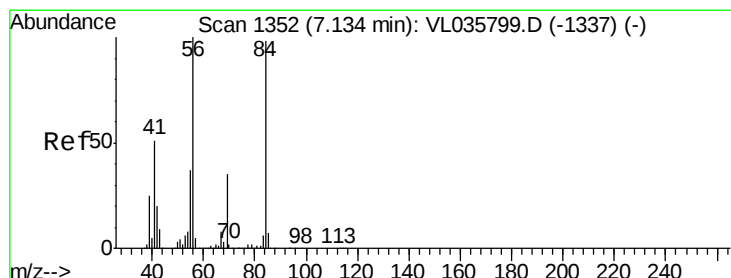
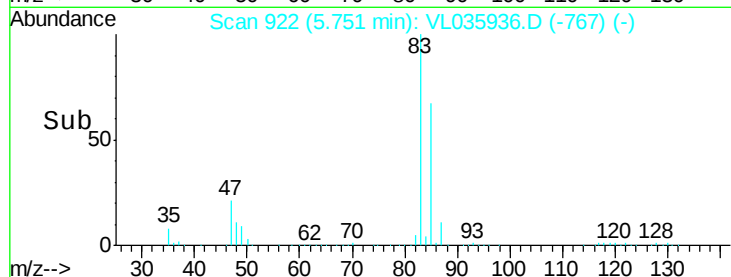
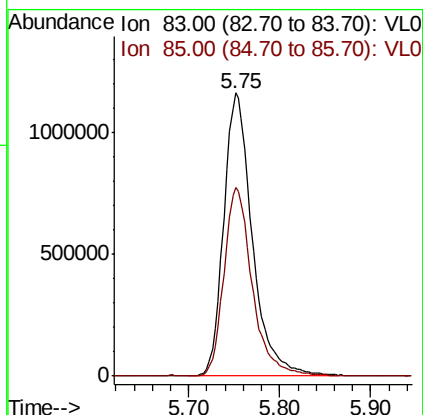
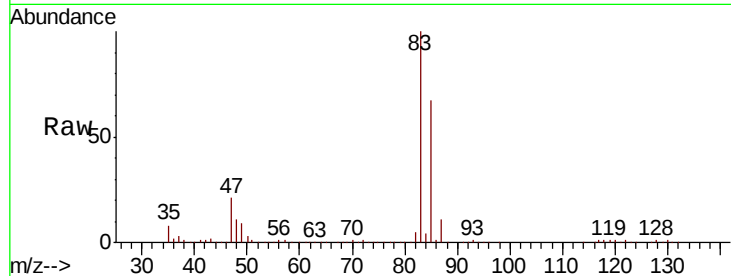




#29
Chloroform
Concen: 5.411 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

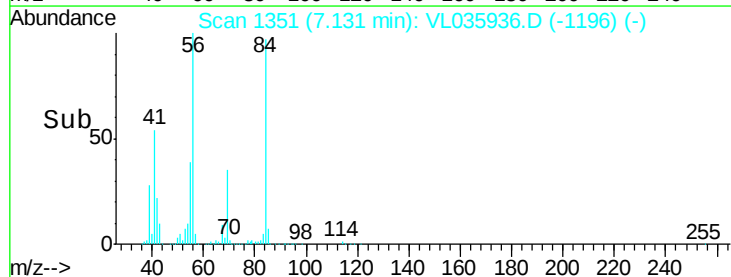
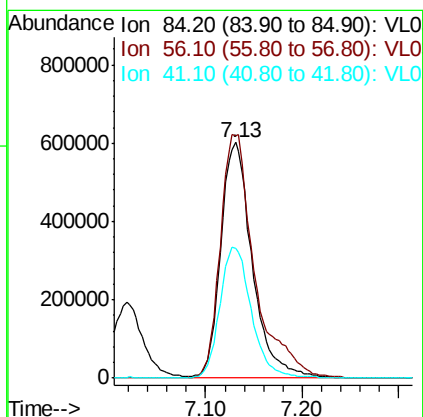
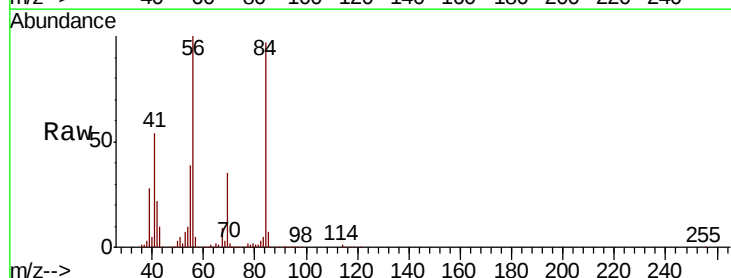
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

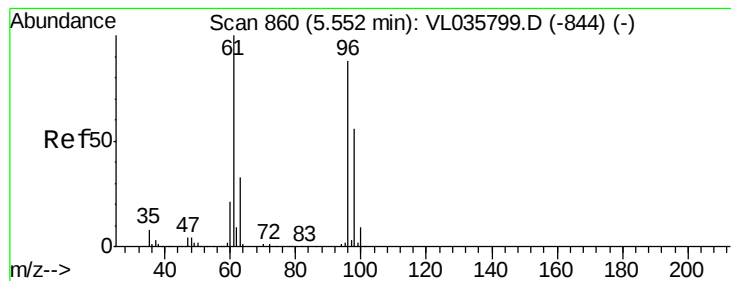
Tot Ion: 83 Resp: 2545111
Ion Ratio Lower Upper
83 100
85 66.6 54.6 81.8



#30
Cyclohexane
Concen: 5.189 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

Tgt Ion: 84 Resp: 1352539
Ion Ratio Lower Upper
84 100
56 114.3 86.4 129.6
41 56.2 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 5.393 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

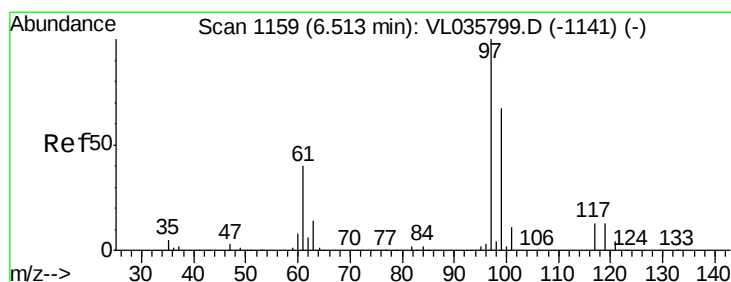
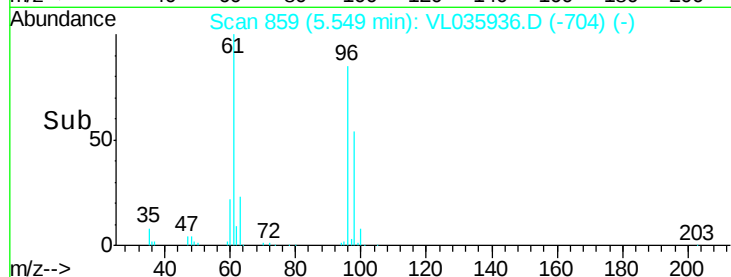
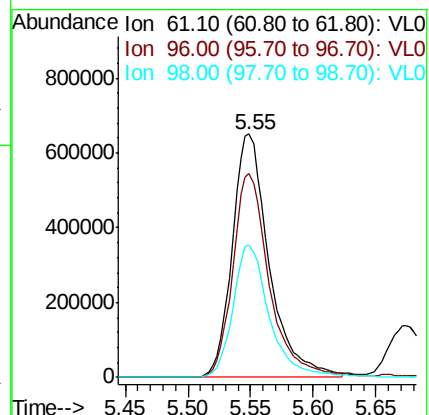
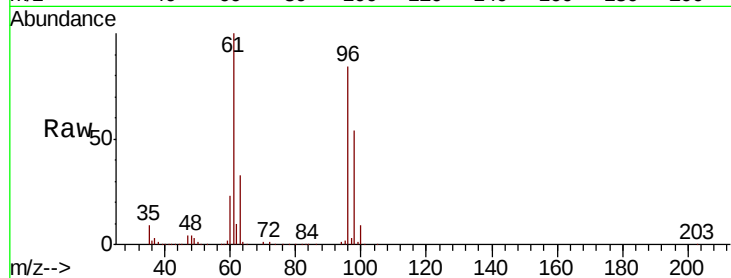
Tot Ion: 61 Resp: 1327641

Ion Ratio Lower Upper

61 100

96 83.9 70.3 105.5

98 54.3 45.0 67.6



#32

1,1,1-Trichloroethane

Concen: 5.015 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

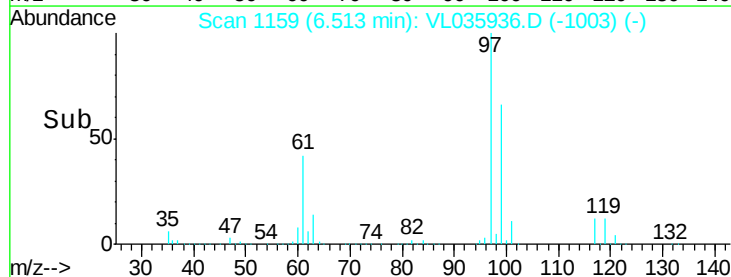
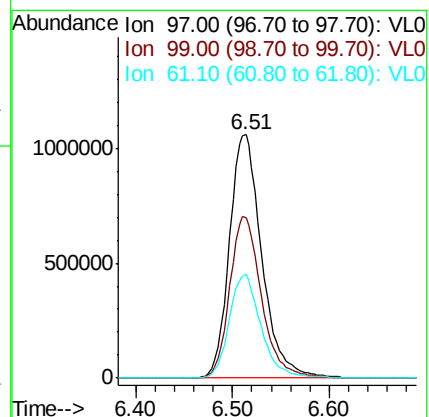
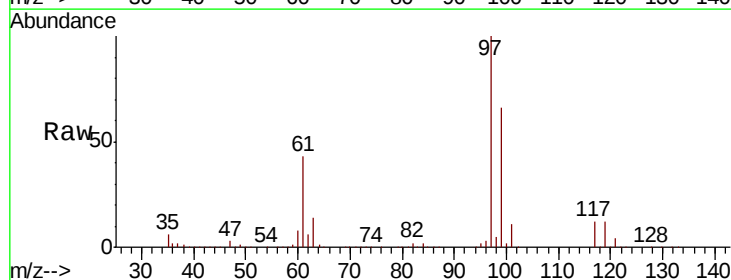
Tgt Ion: 97 Resp: 2461547

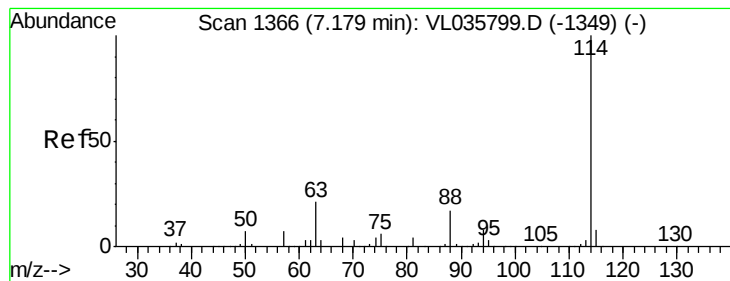
Ion Ratio Lower Upper

97 100

99 65.6 52.3 78.5

61 42.1 32.0 48.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

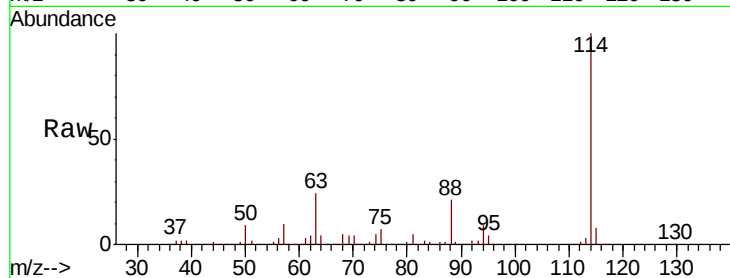
Tot Ion:114 Resp: 7191775

Ion Ratio Lower Upper

114 100

63 22.4 16.1 24.1

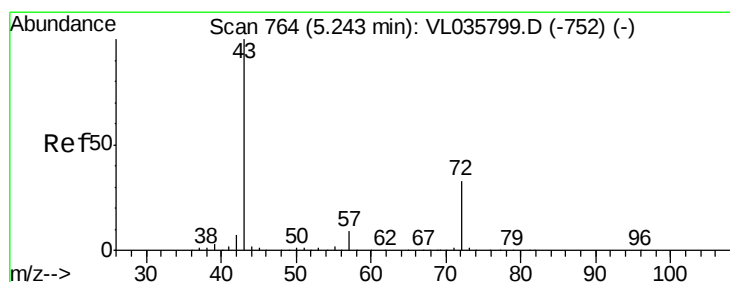
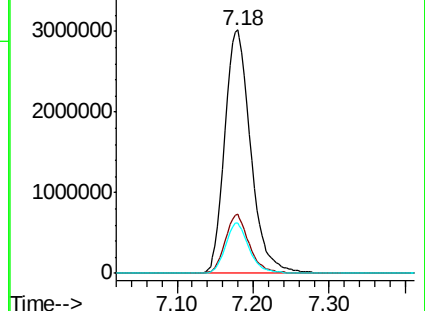
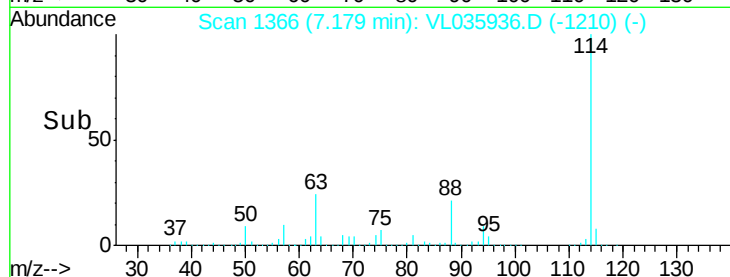
88 19.0 13.7 20.5



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 6.795 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL035936.D

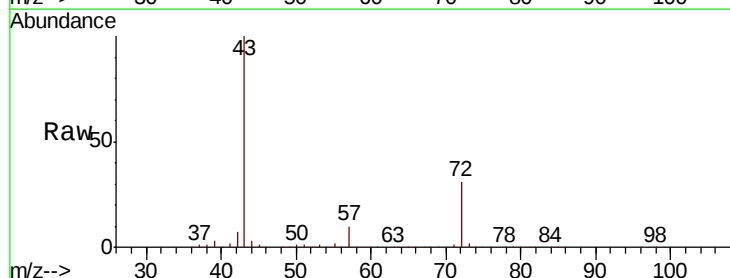
Acq: 13 Nov 2020 8:33

Tgt Ion: 43 Resp: 1585915

Ion Ratio Lower Upper

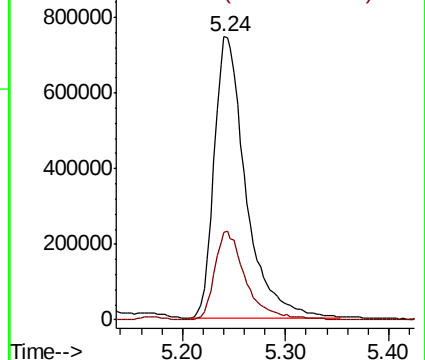
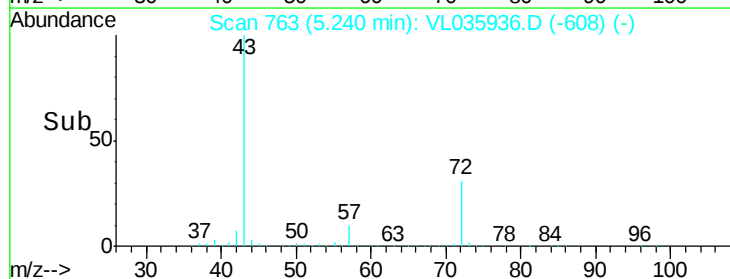
43 100

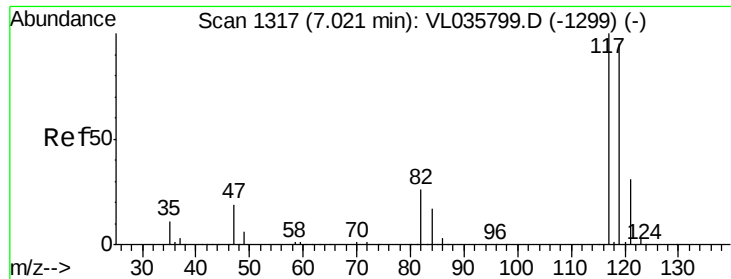
72 30.9 26.5 39.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 6.413 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

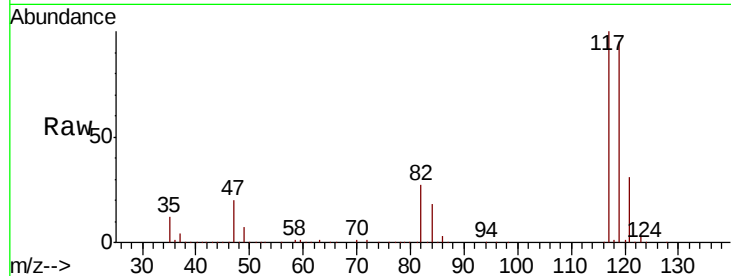
Tot Ion:117 Resp: 2464342

Ion Ratio Lower Upper

117 100

119 94.5 75.6 113.4

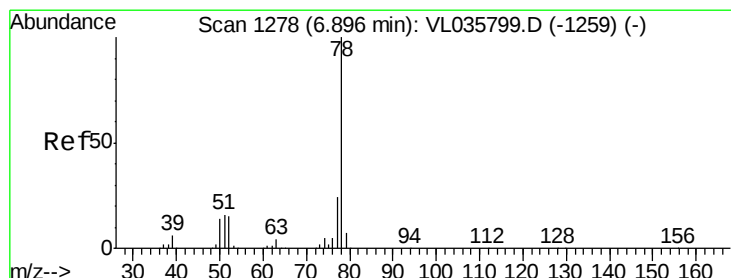
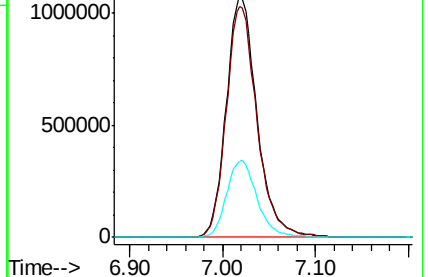
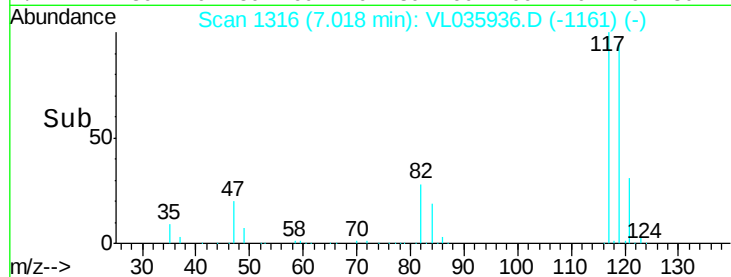
121 31.0 25.1 37.7



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: 5.910 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

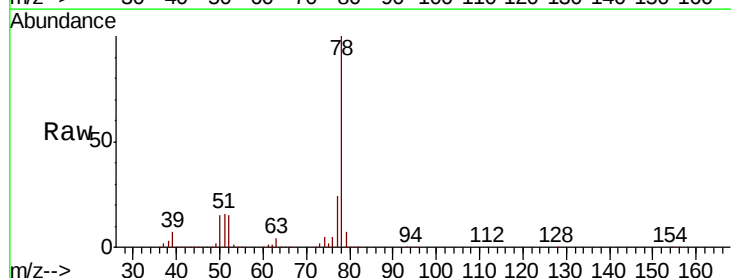
Tgt Ion: 78 Resp: 3160067

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

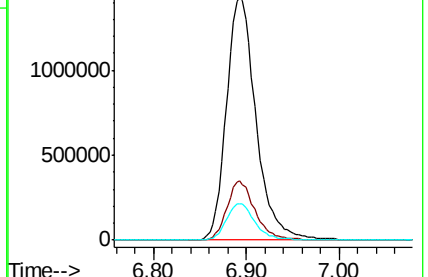
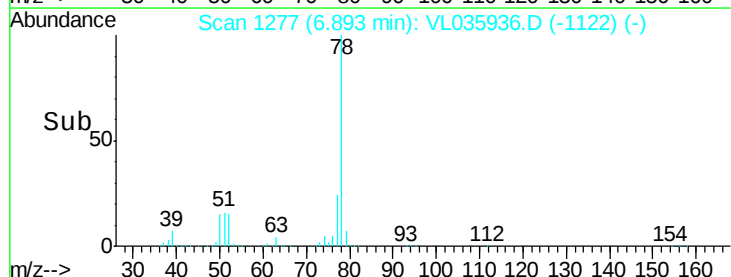
50 14.8 11.4 17.2

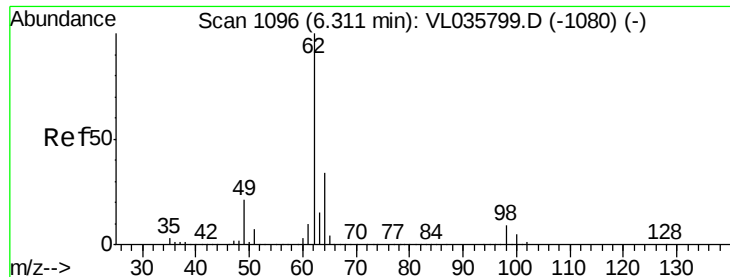


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

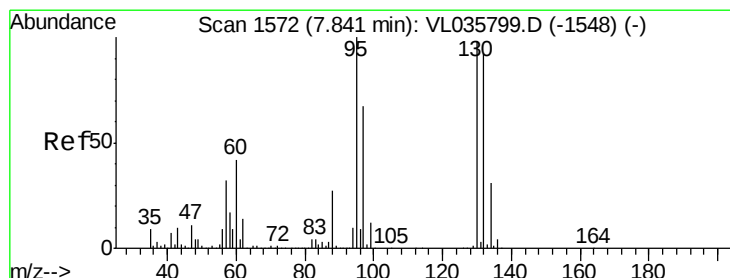
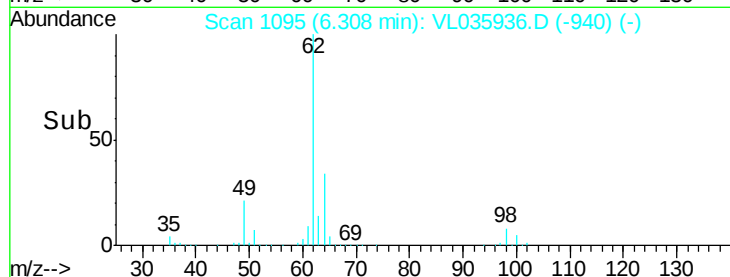
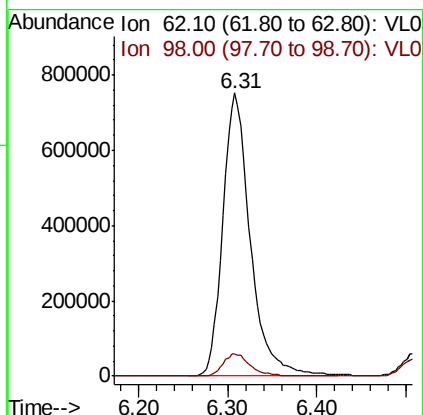
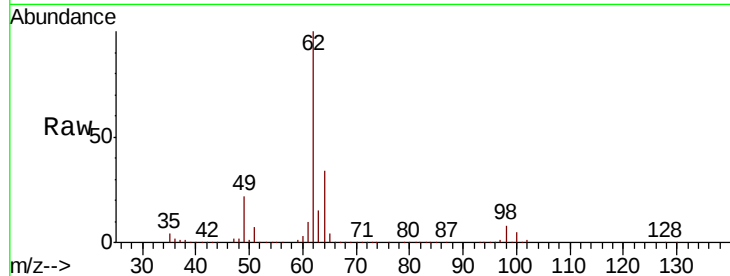




#37
 1,2-Dichloroethane
 Concen: 6.631 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

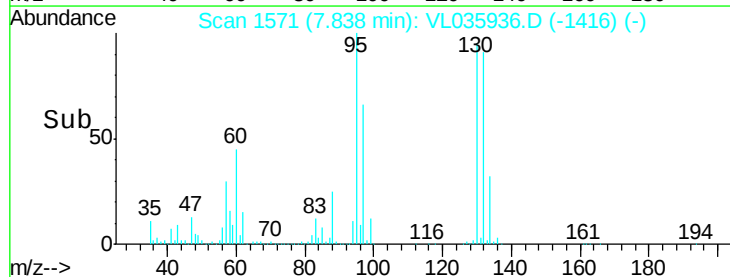
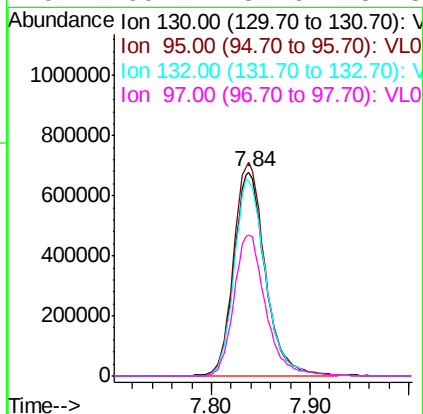
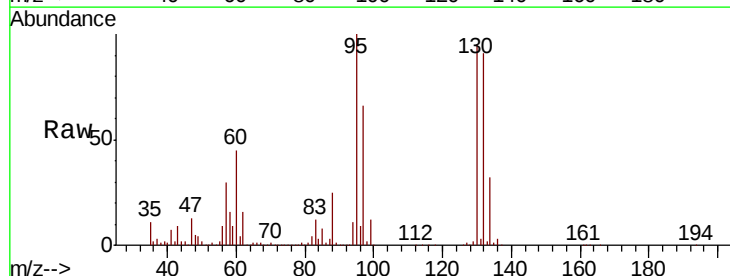
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

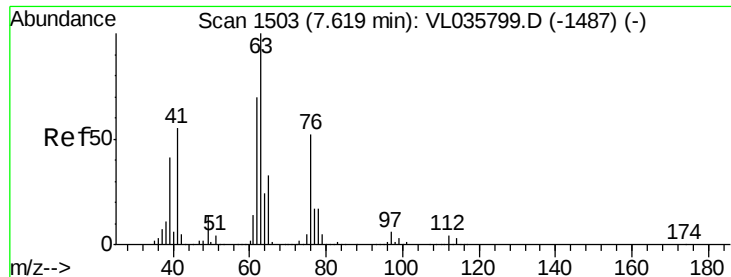
Tot Ion: 62 Resp: 1606048
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.9 10.3



#38
 Trichloroethene
 Concen: 5.659 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion: 130 Resp: 1477974
 Ion Ratio Lower Upper
 130 100
 95 105.0 81.6 122.4
 132 95.4 75.1 112.7
 97 69.4 54.6 81.8

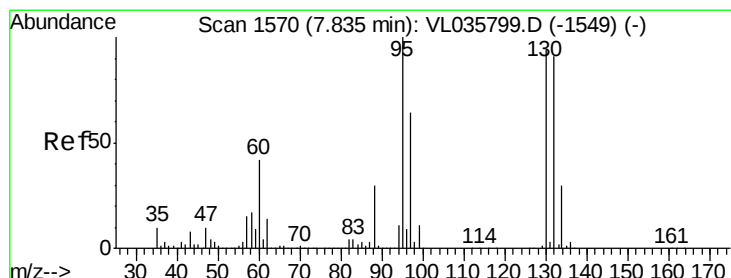
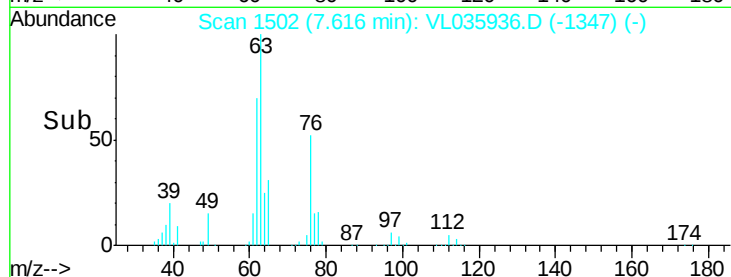
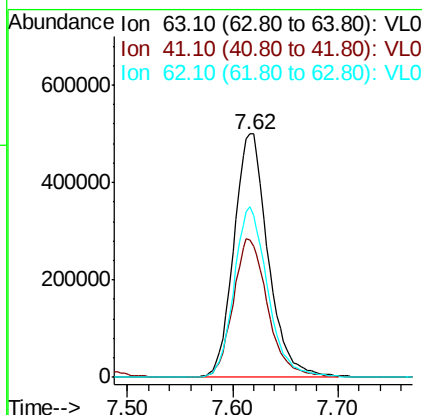
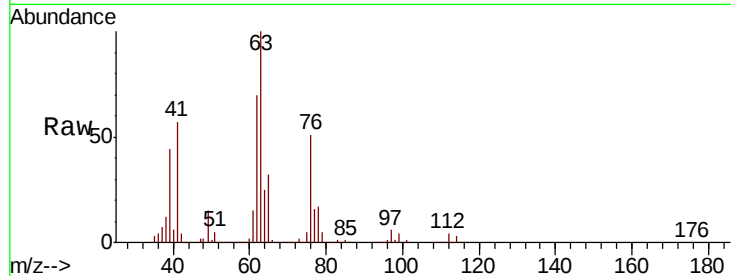




#39
 1,2-Dichloropropane
 Concen: 6.255 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

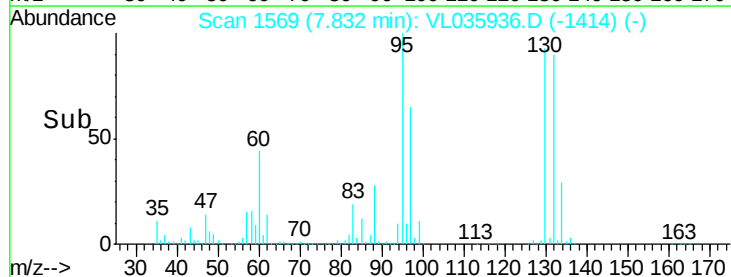
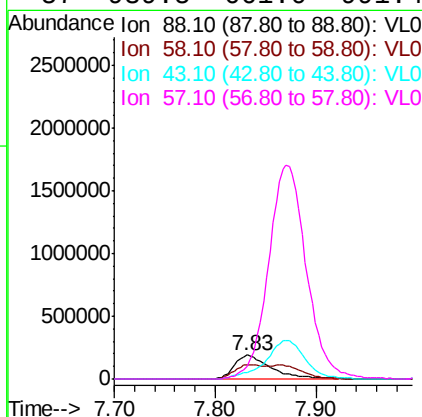
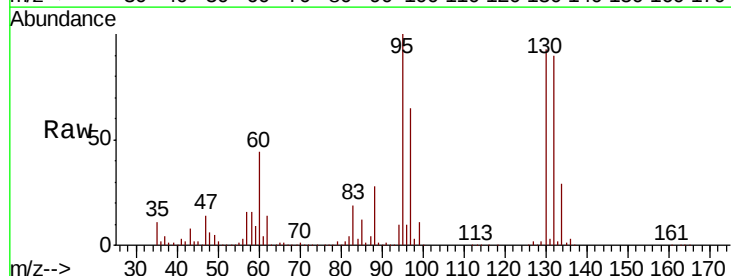
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

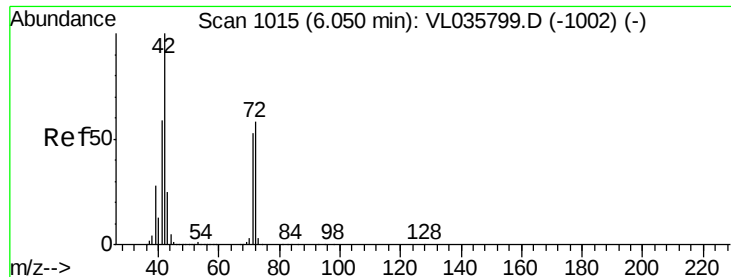
Tot Ion: 63 Resp: 1125976
 Ion Ratio Lower Upper
 63 100
 41 56.5 43.8 65.6
 62 70.0 56.2 84.2



#40
 1,4-Dioxane
 Concen: 5.582 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion: 88 Resp: 476185
 Ion Ratio Lower Upper
 88 100
 58 103.3 76.2 114.2
 43 179.8 123.1 184.7
 57 939.5 661.0 991.4





#41

Tetrahydrofuran

Concen: 6.766 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

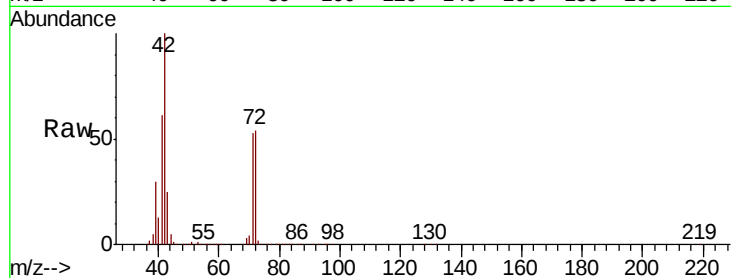
Tot Ion: 42 Resp: 897230

Ion Ratio Lower Upper

42 100

72 53.9 45.4 68.0

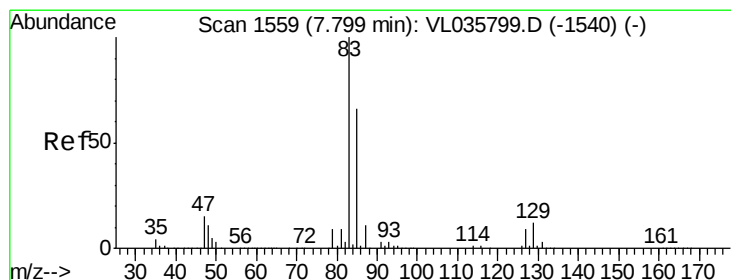
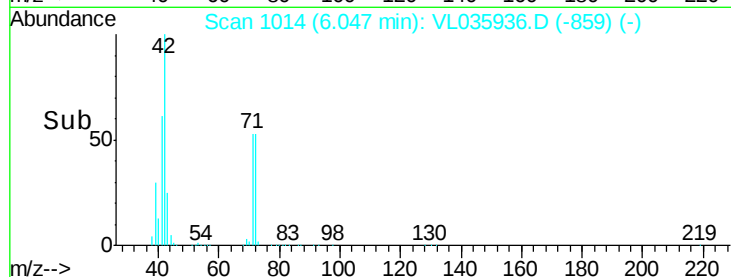
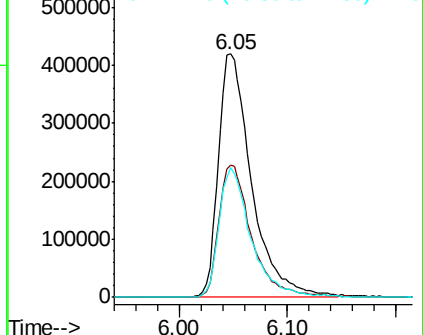
71 51.9 43.4 65.2



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: 6.389 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

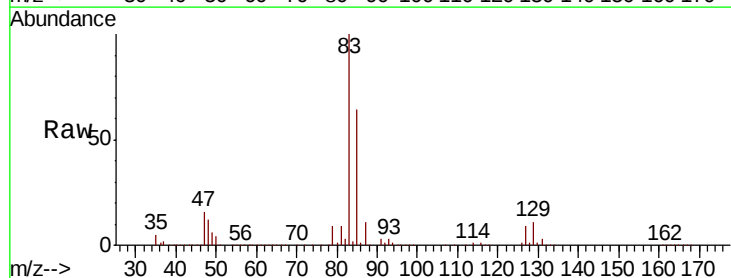
Tgt Ion: 83 Resp: 2611186

Ion Ratio Lower Upper

83 100

85 64.4 53.1 79.7

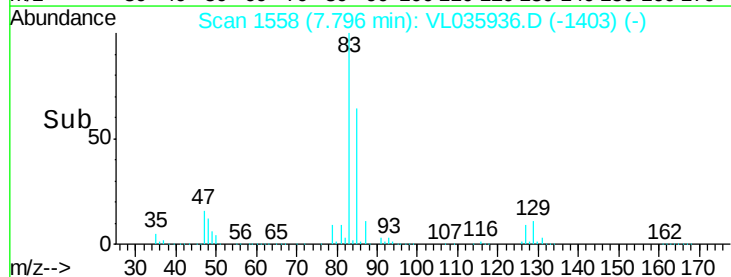
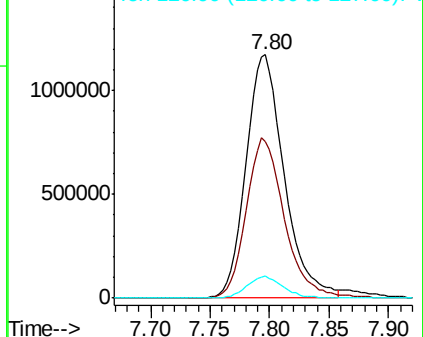
127 8.9 7.3 10.9

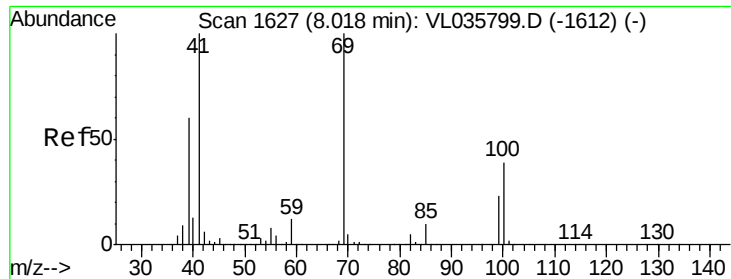


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

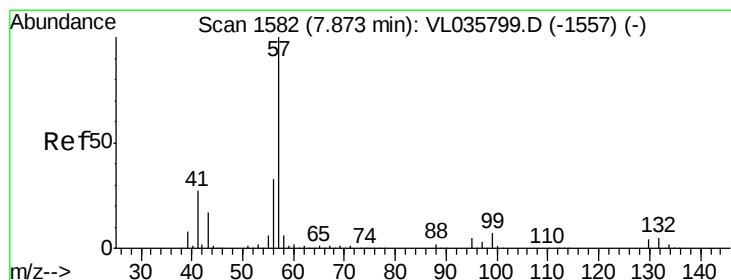
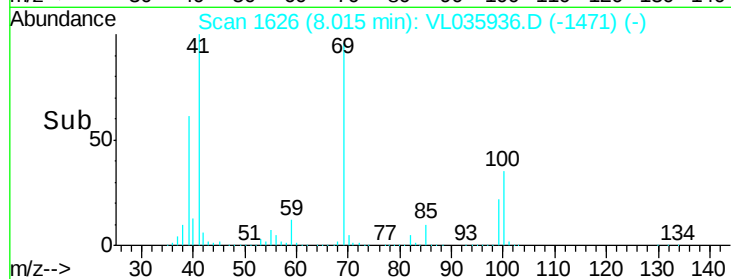
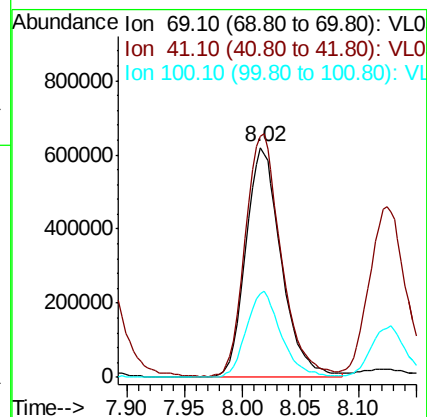
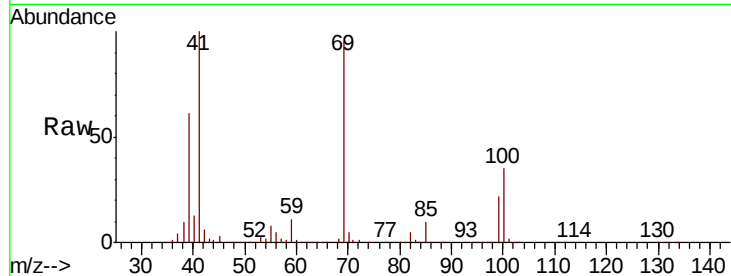




#43
Methvl Methacrylate
Concen: 6.474 ppbv
RT: 8.02 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

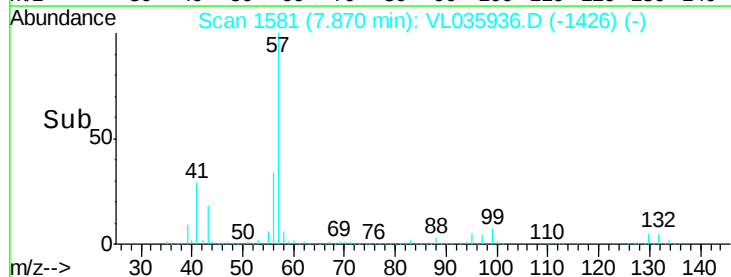
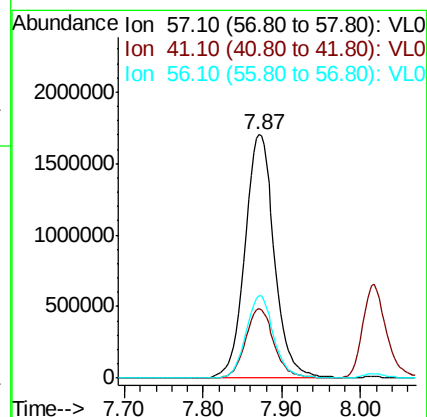
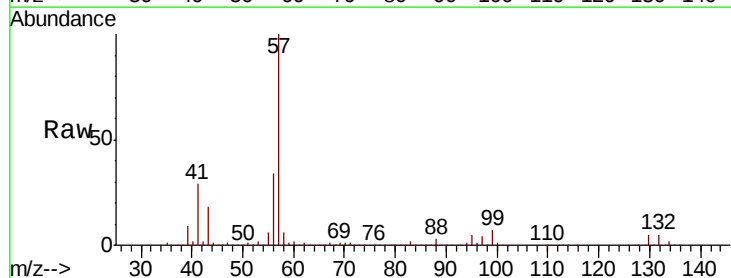
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

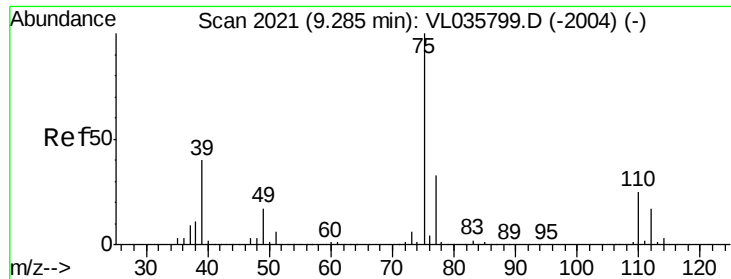
Tot Ion: 69 Resp: 1320335
Ion Ratio Lower Upper
69 100
41 107.5 81.1 121.7
100 36.9 31.0 46.4



#44
2,2,4-Trimethylpentane
Concen: 6.319 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

Tgt Ion: 57 Resp: 4470736
Ion Ratio Lower Upper
57 100
41 27.6 21.0 31.4
56 32.1 25.4 38.0

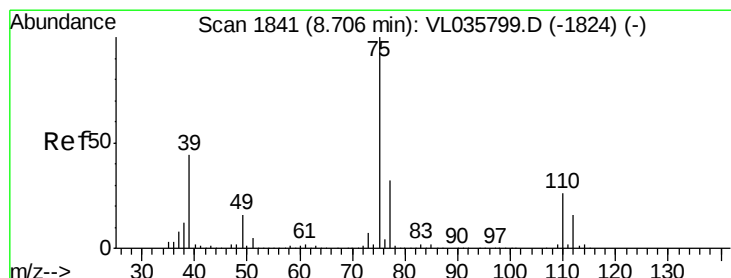
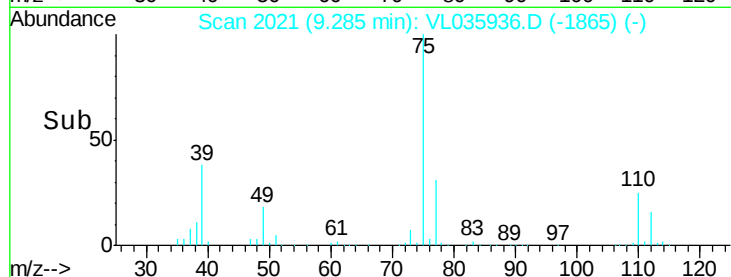
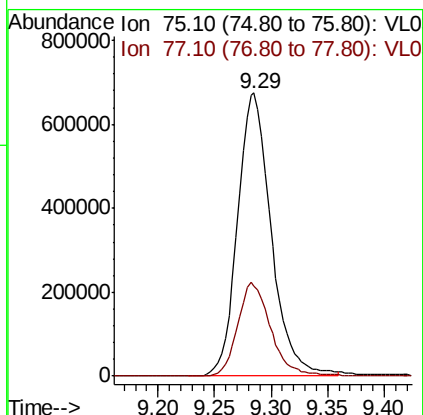
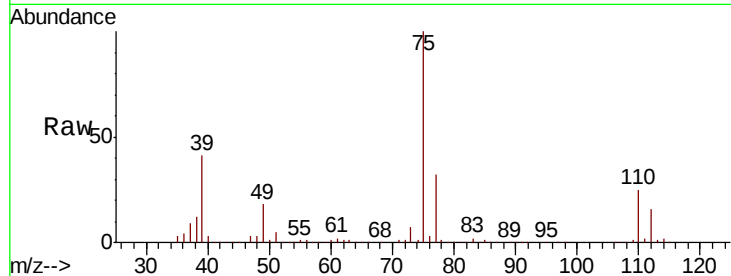




#45
 t-1,3-Dichloropropene
 Concen: 6.469 ppbv
 RT: 9.29 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

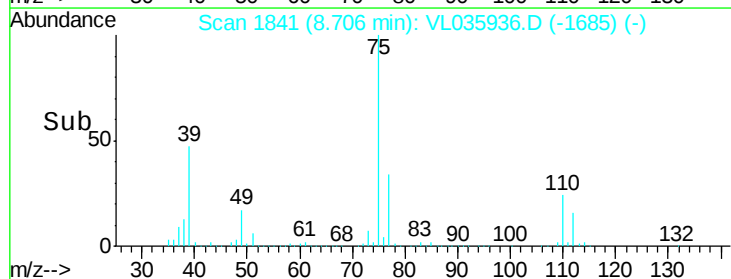
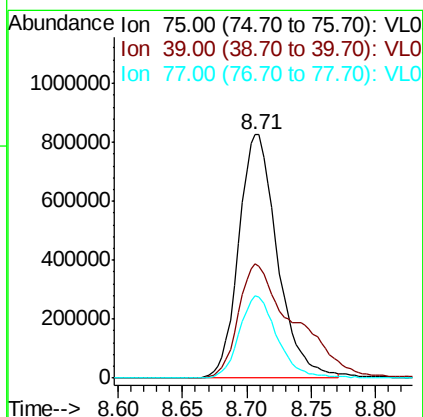
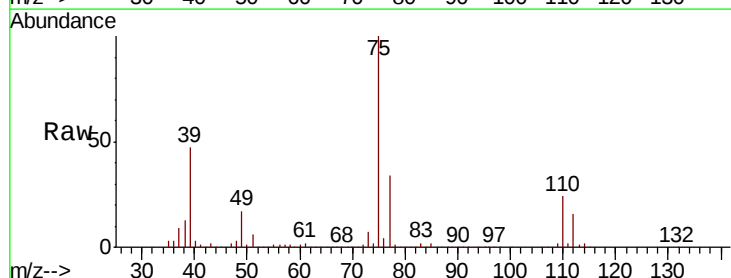
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

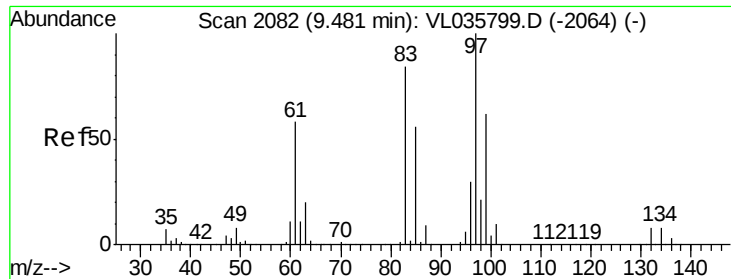
Tot Ion: 75 Resp: 1398531
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.4 39.6



#46
 cis-1,3-Dichloropropene
 Concen: 6.310 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion: 75 Resp: 1727665
 Ion Ratio Lower Upper
 75 100
 39 46.8 35.1 52.7
 77 34.0 25.7 38.5



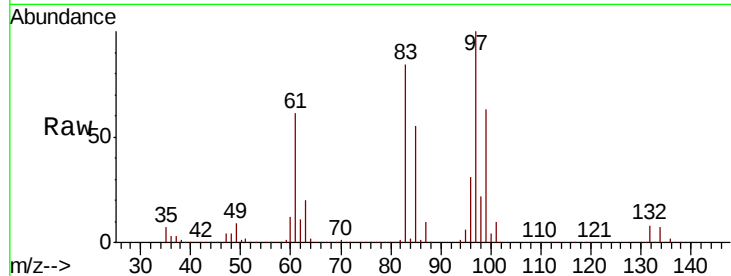


#47
 1,1,2-Trichloroethane
 Concen: 6.061 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1486513

Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.1	100.7
85	54.8	44.7	67.1
99	63.2	49.7	74.5



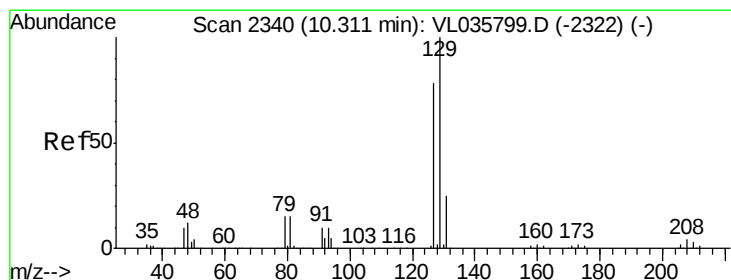
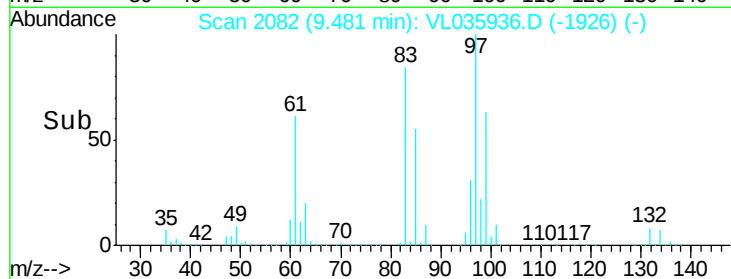
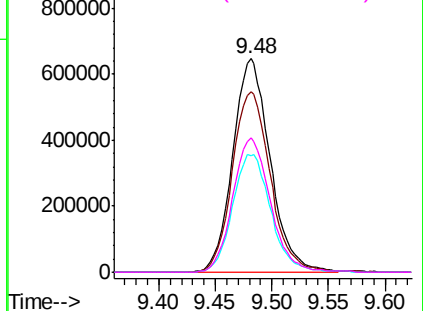
Abundance

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

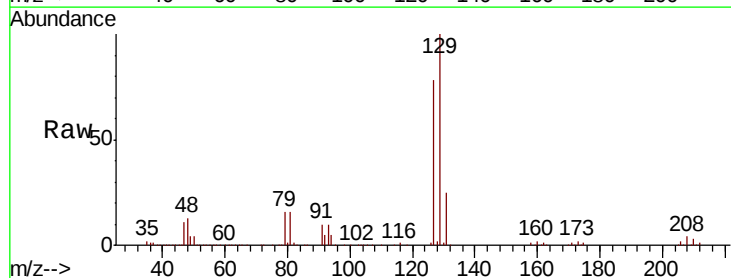
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 6.490 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion: 129 Resp: 2431791

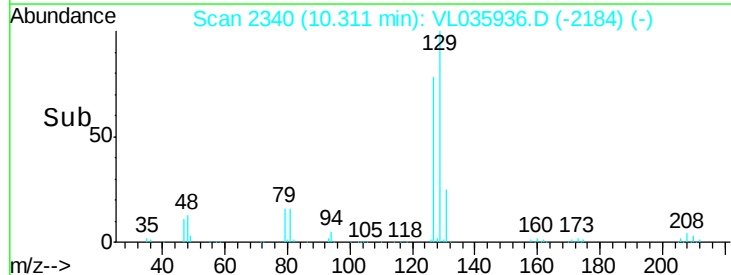
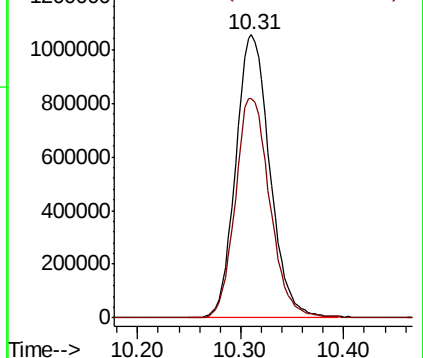
Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.2	117.6

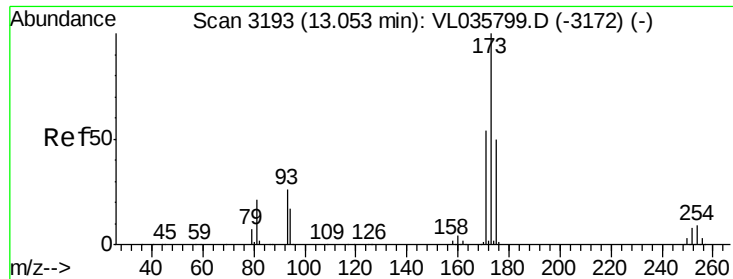


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 6.611 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

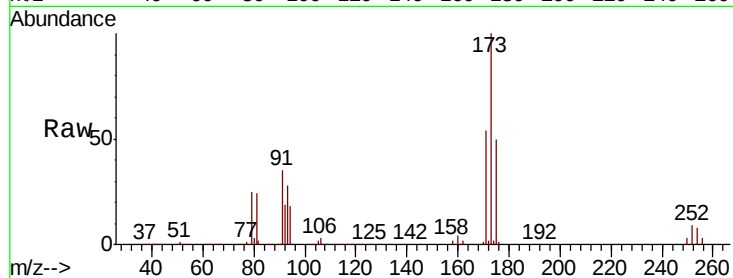
Tot Ion:173 Resp: 2090208

Ion Ratio Lower Upper

173 100

175 49.4 40.1 60.1

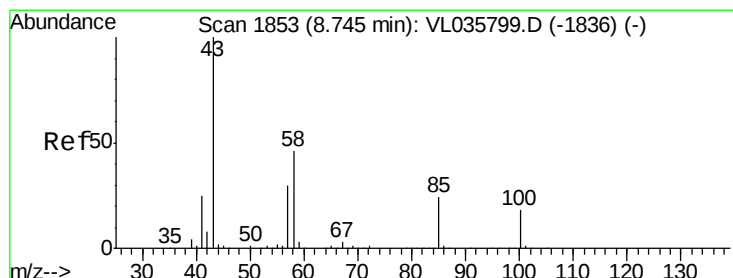
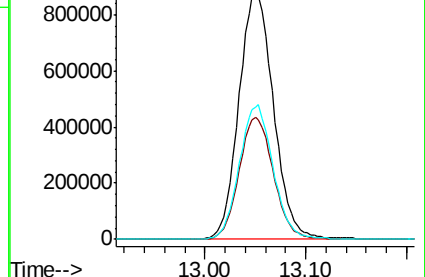
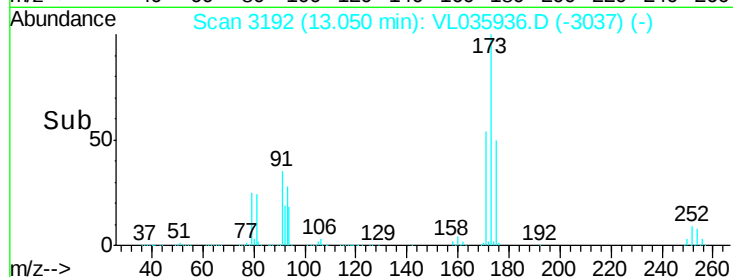
171 53.3 42.6 63.8



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: 7.047 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL035936.D

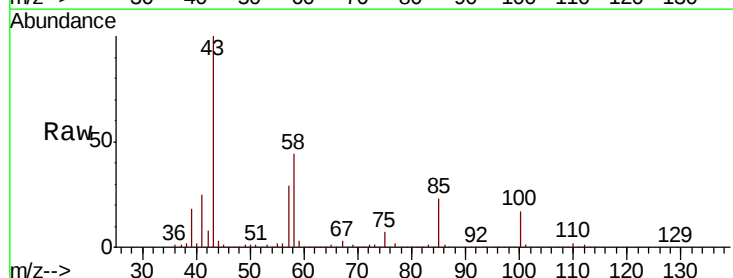
Acq: 13 Nov 2020 8:33

Tgt Ion: 43 Resp: 2515247

Ion Ratio Lower Upper

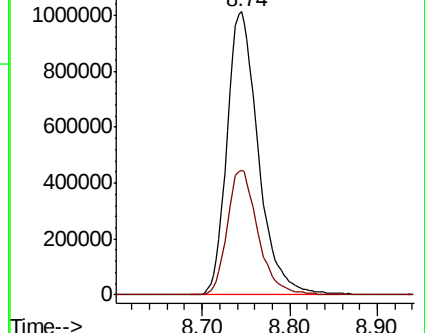
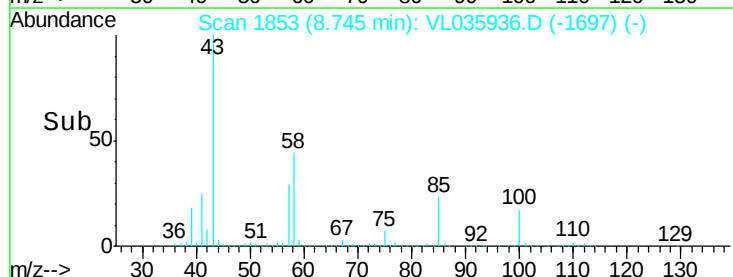
43 100

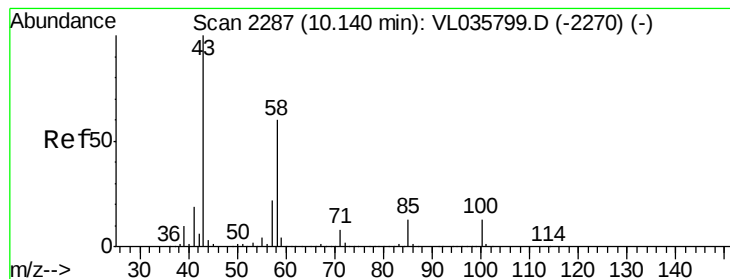
58 43.5 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 7.198 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

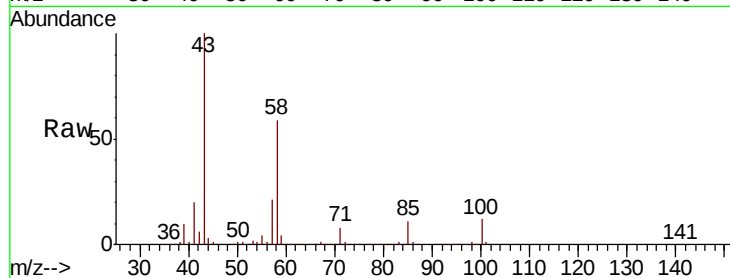
Tot Ion: 43 Resp: 2063556

Ion Ratio Lower Upper

43 100

58 58.2 48.3 72.5

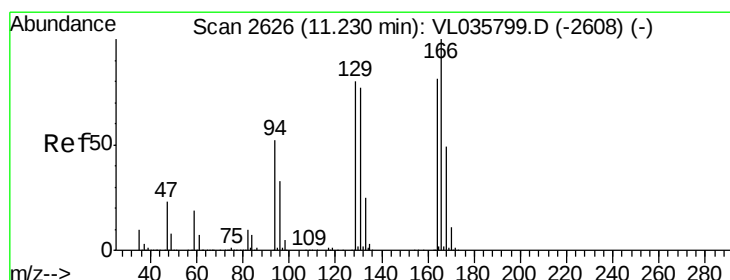
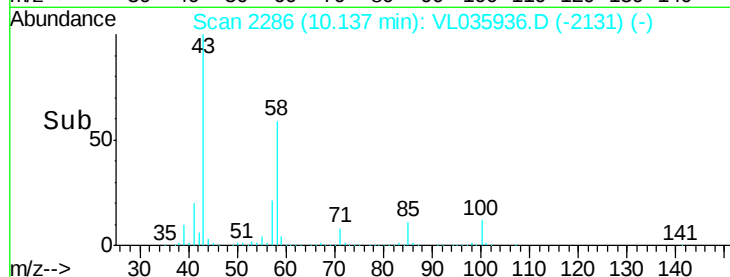
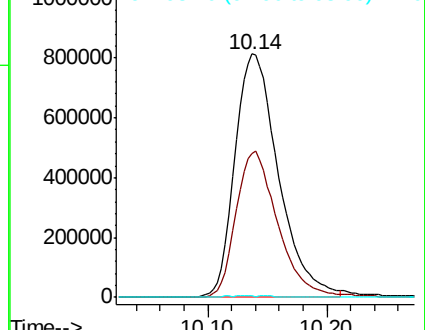
98 0.9 0.6 0.8#



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: 5.339 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Tgt Ion:164 Resp: 1352328

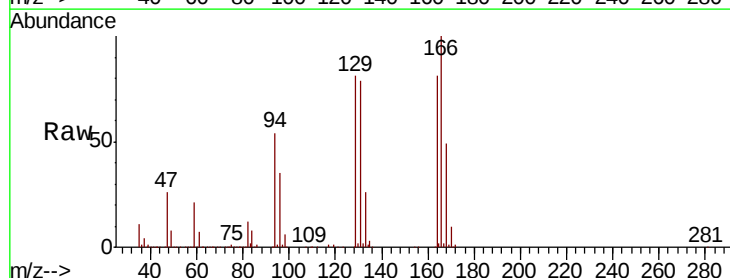
Ion Ratio Lower Upper

164 100

166 124.2 99.3 148.9

129 100.1 79.3 118.9

131 98.5 76.5 114.7

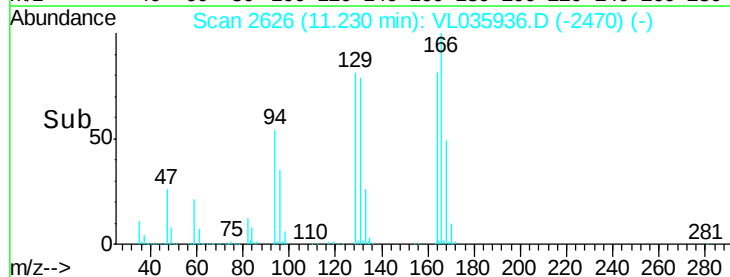
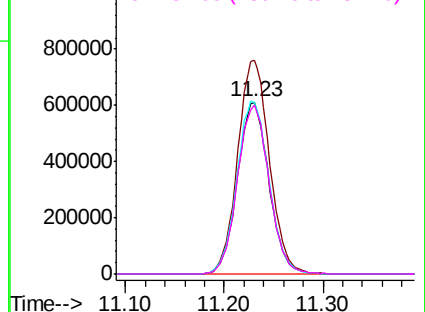


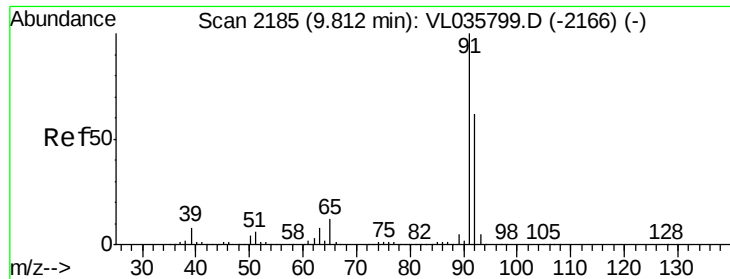
Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.991 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

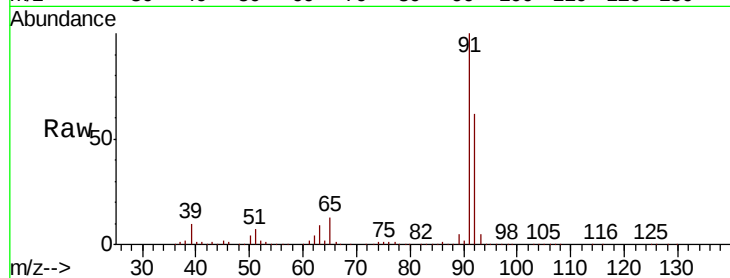
VSTDCCC010EC

Tot Ion: 91 Resp: 3864869

Ion Ratio Lower Upper

91 100

92 61.6 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

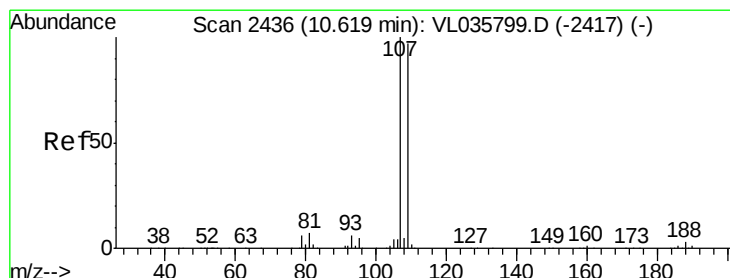
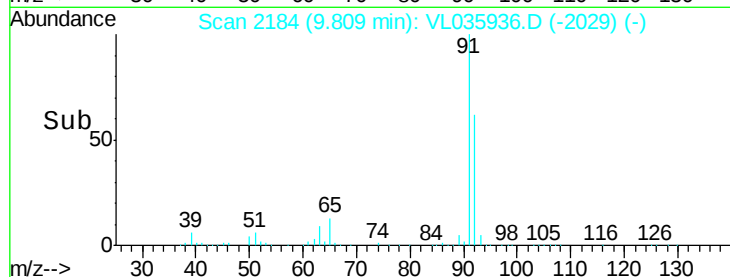
1500000

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 6.054 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL035936.D

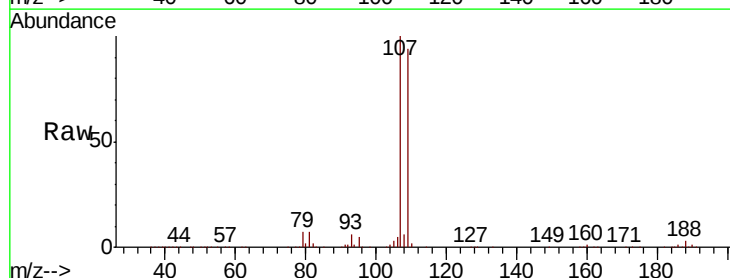
Acq: 13 Nov 2020 8:33

Tgt Ion:107 Resp: 2258203

Ion Ratio Lower Upper

107 100

109 94.2 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.62

1000000

800000

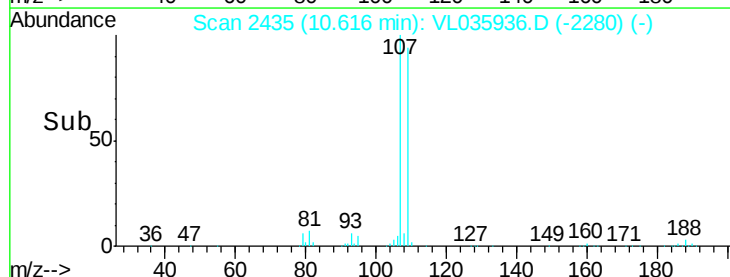
600000

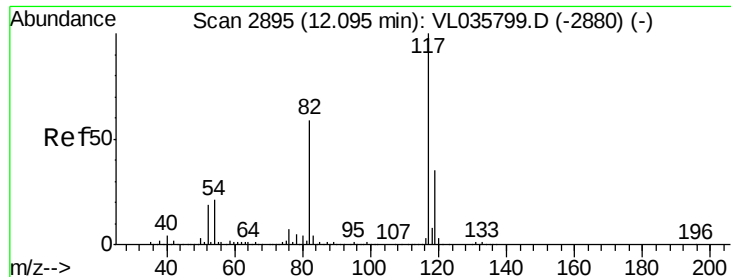
400000

200000

0

Time-->

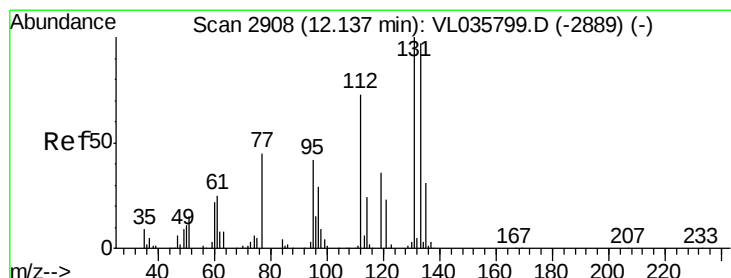
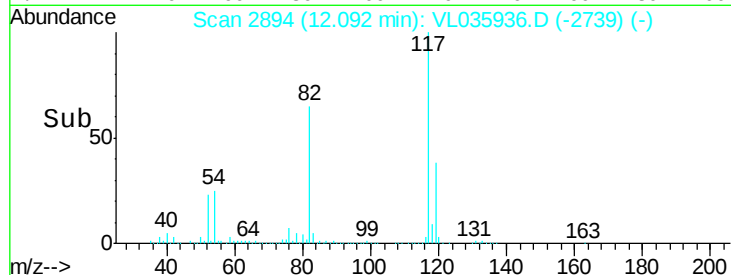
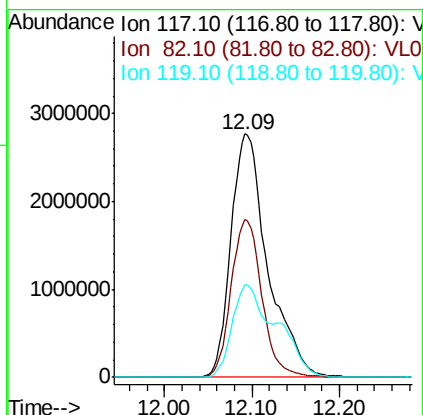
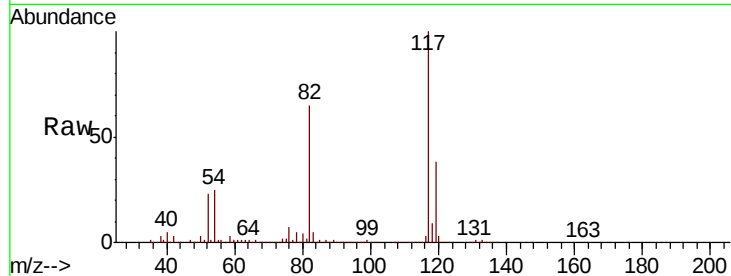




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

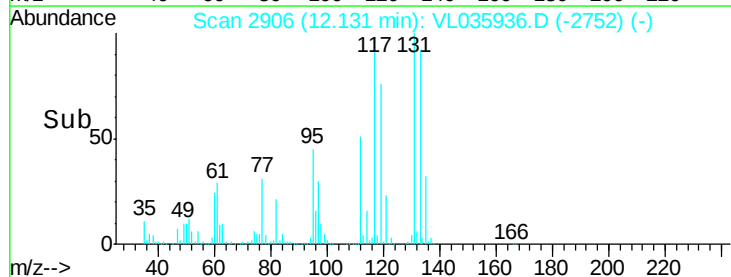
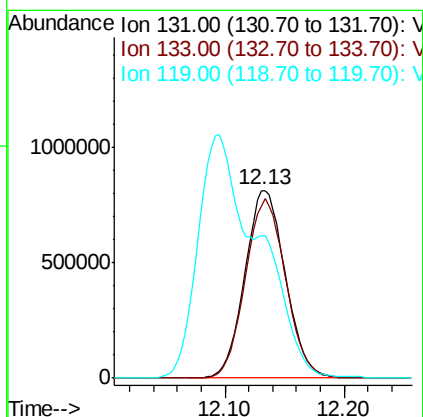
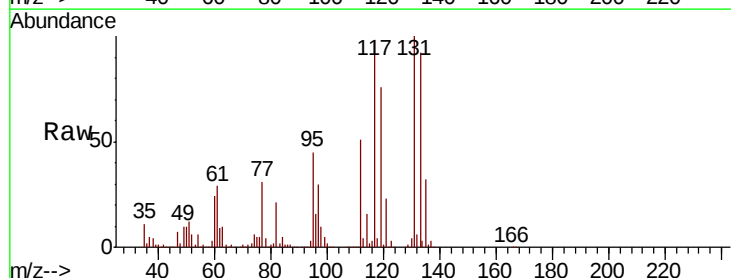
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

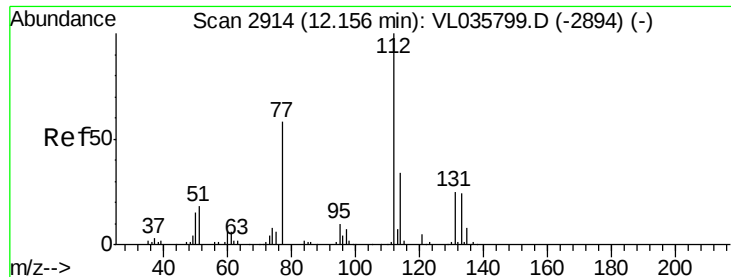
Tot Ion:117 Resp: 8084512
Ion Ratio Lower Upper
117 100
82 54.5 50.6 76.0
119 46.0 52.6 78.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 5.291 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

Tgt Ion:131 Resp: 1919699
Ion Ratio Lower Upper
131 100
133 95.0 76.8 115.2
119 193.7 47.4 71.0#

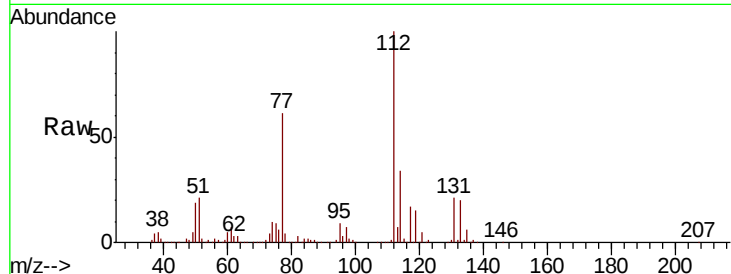




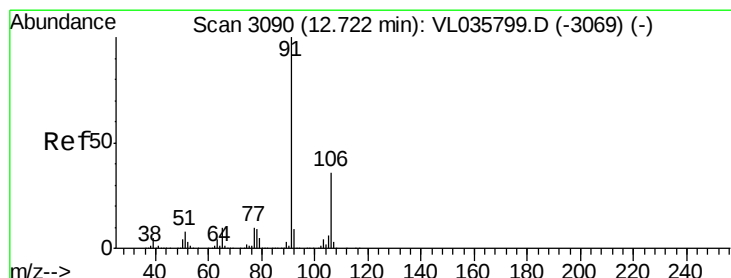
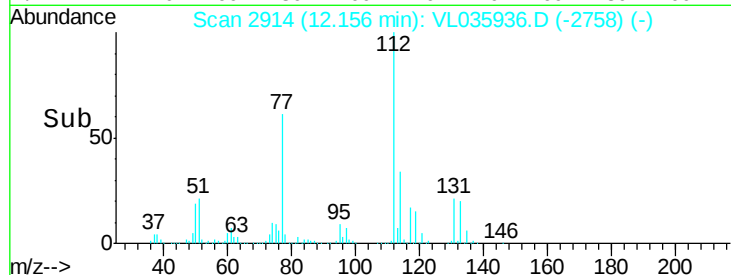
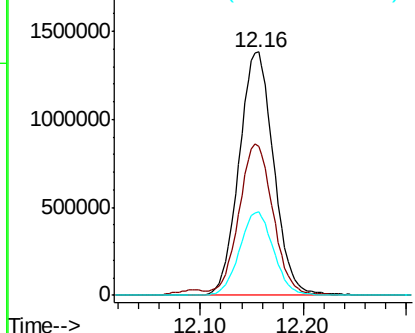
#57
Chlorobenzene
Concen: 5.019 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 3226332
Ion Ratio Lower Upper
112 100
77 60.7 47.5 71.3
114 34.3 30.3 37.1

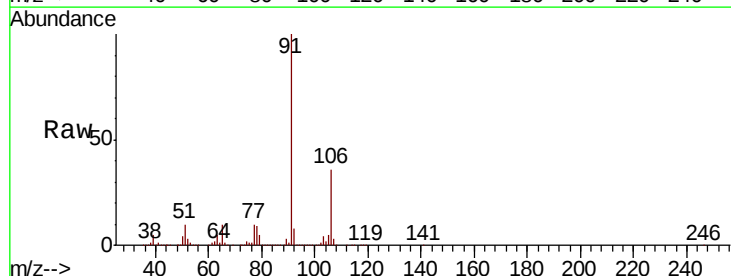


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

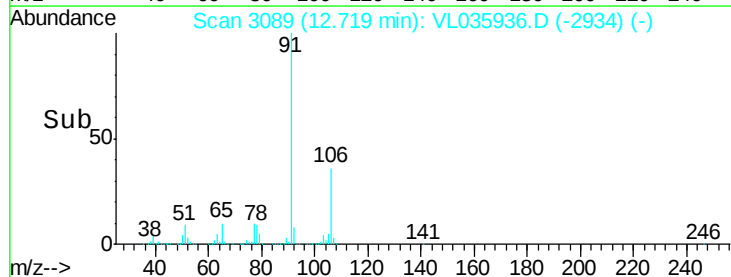
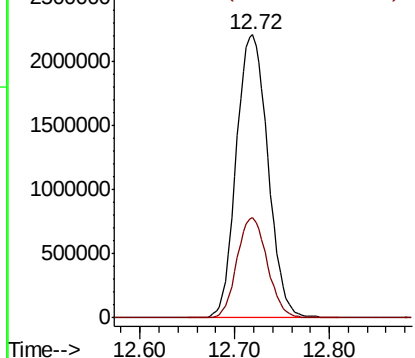


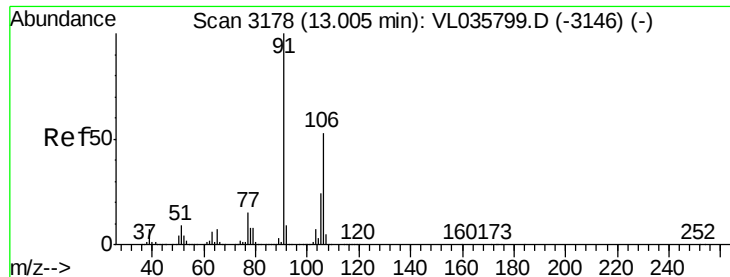
#58
Ethyl Benzene
Concen: 5.205 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

Tgt Ion: 91 Resp: 5124616
Ion Ratio Lower Upper
91 100
106 35.6 28.6 43.0



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

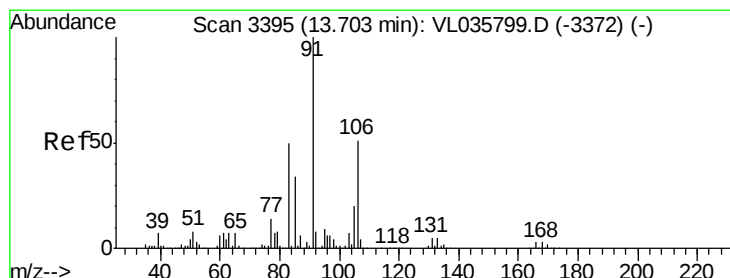
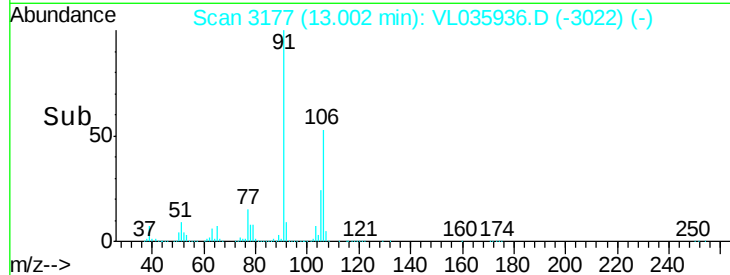
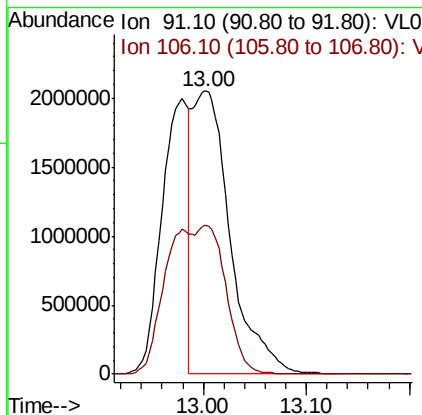
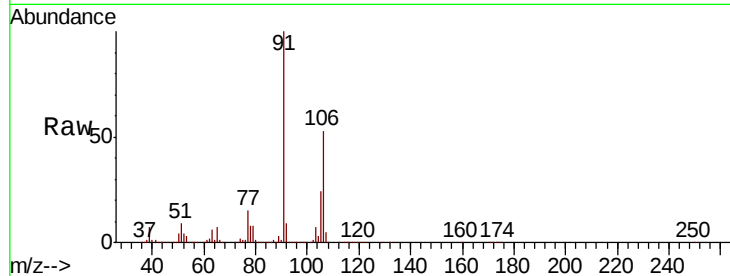




#59
m/p-Xylene
Concen: 6.226 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

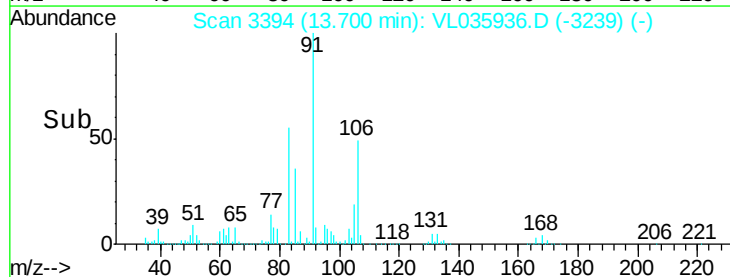
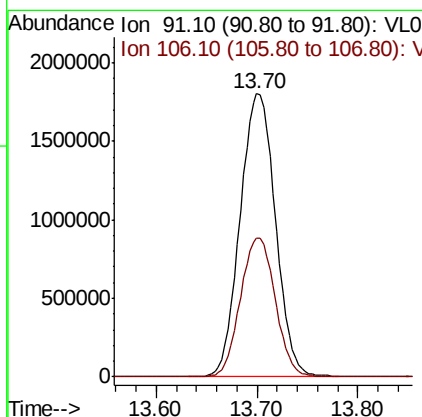
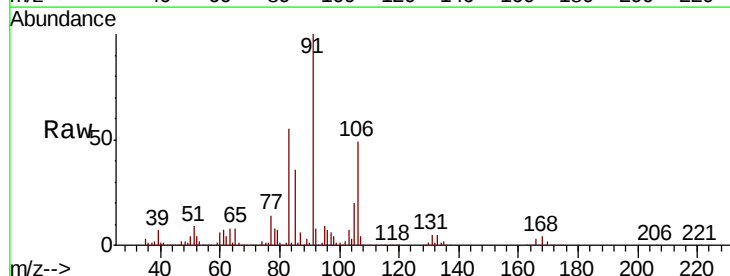
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

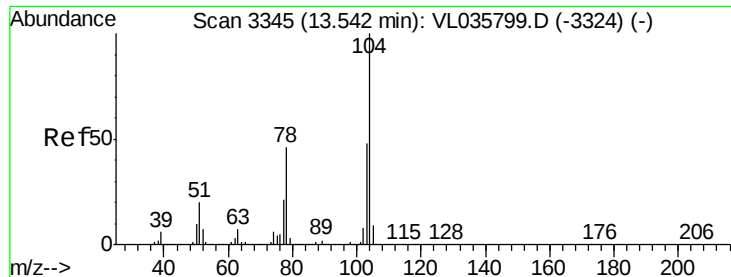
Tot Ion: 91 Resp: 5186280
Ion Ratio Lower Upper
91 100
106 83.0 39.5 59.3#



#60
o-Xylene
Concen: 5.387 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

Tgt Ion: 91 Resp: 4365568
Ion Ratio Lower Upper
91 100
106 48.6 24.8 74.4





#61

Stvrene

Concen: 5.430 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

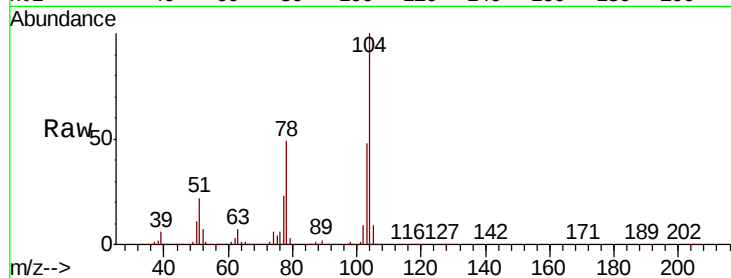
Tot Ion:104 Resp: 3223927

Ion Ratio Lower Upper

104 100

78 48.0 37.1 55.7

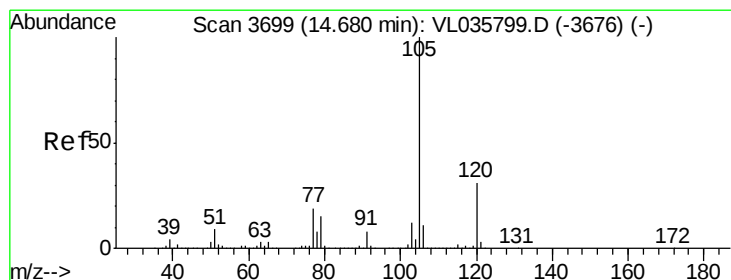
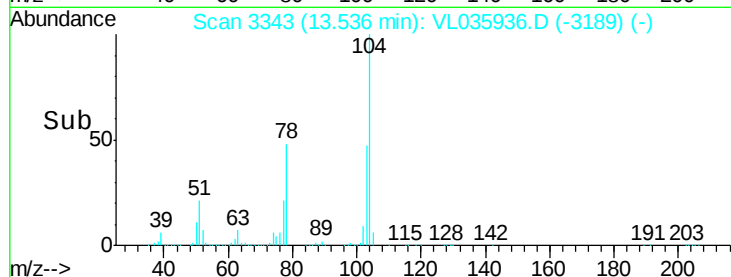
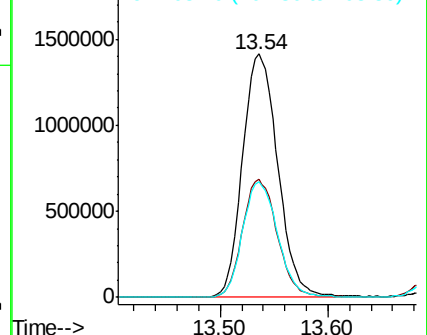
103 47.5 37.9 56.9



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: 5.079 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.00 min

Lab File: VL035936.D

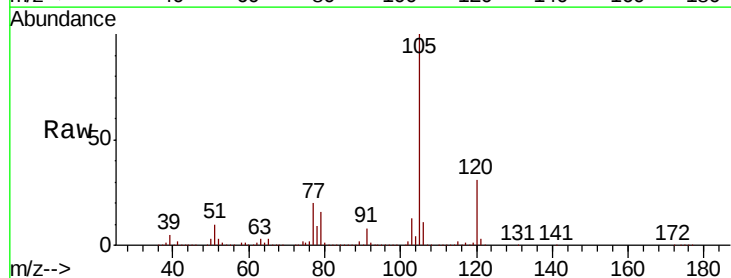
Acq: 13 Nov 2020 8:33

Tgt Ion:105 Resp: 6469432

Ion Ratio Lower Upper

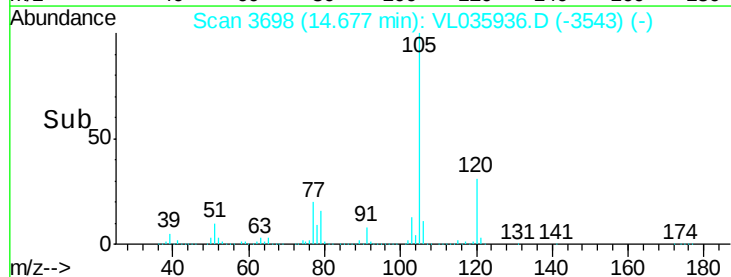
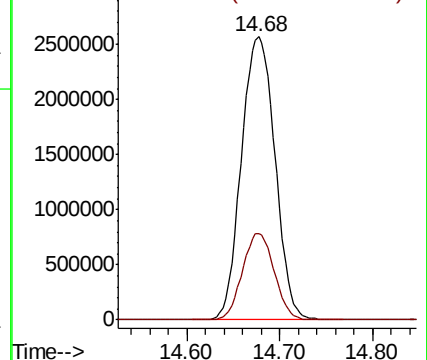
105 100

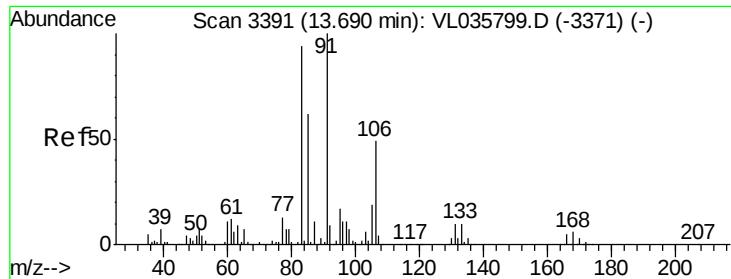
120 28.9 23.5 35.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

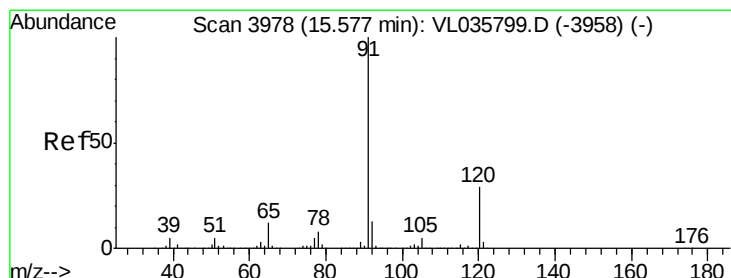
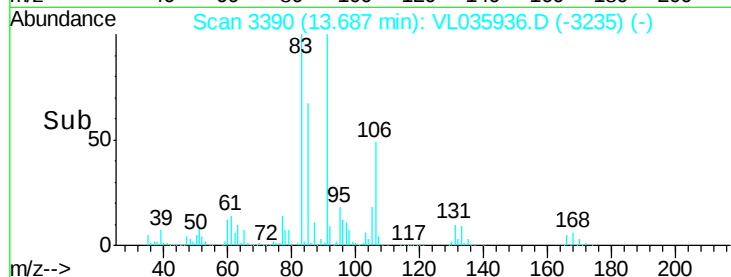
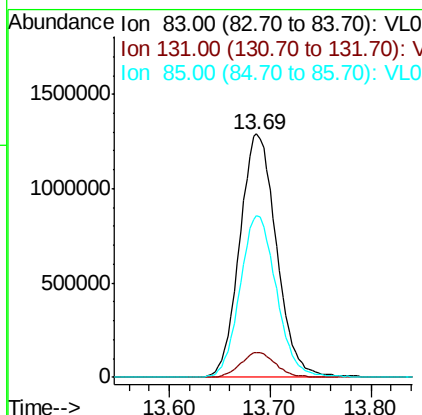
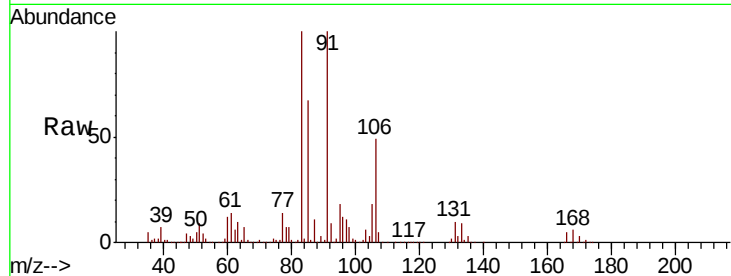




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.184 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

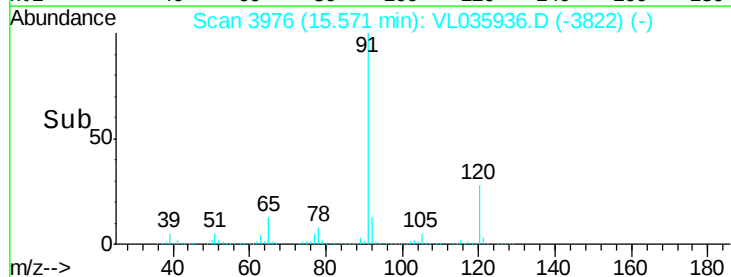
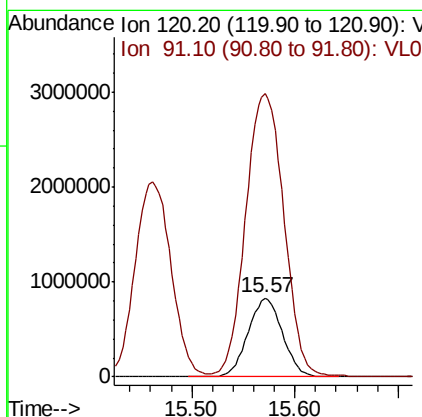
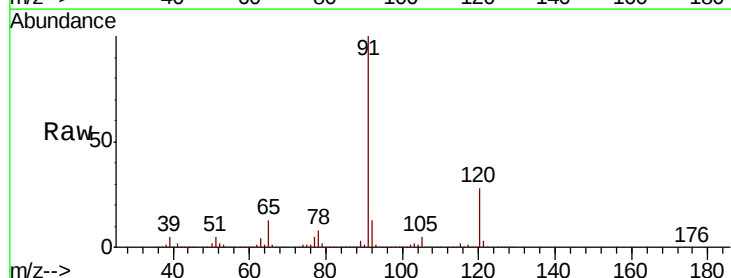
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

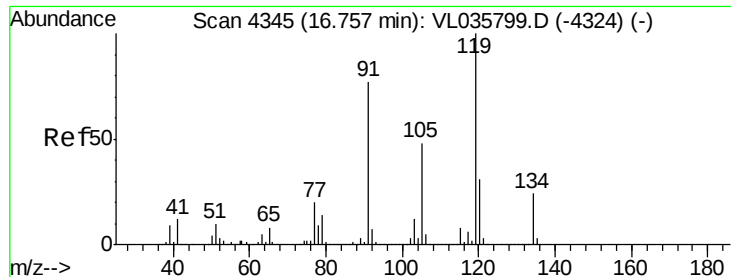
Tot Ion: 83 Resp: 3255135
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.3 15.8
 85 66.3 33.5 100.4



#64
 n-propylbenzene
 Concen: 5.228 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. -0.01 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion:120 Resp: 1924606
 Ion Ratio Lower Upper
 120 100
 91 399.6 311.1 466.7





#65

tert-Butylbenzene

Concen: 5.160 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

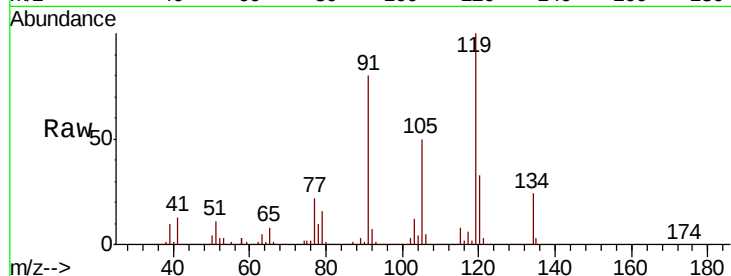
Tot Ion:119 Resp: 5982414

Ion Ratio Lower Upper

119 100

91 80.2 62.0 93.0

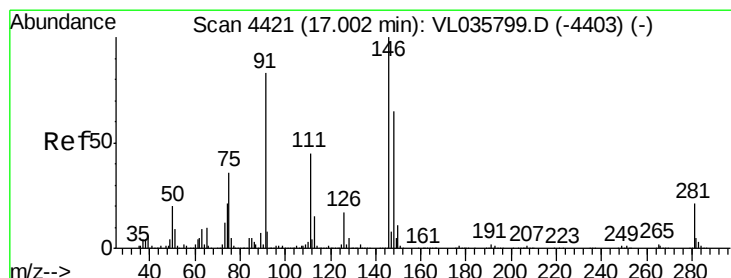
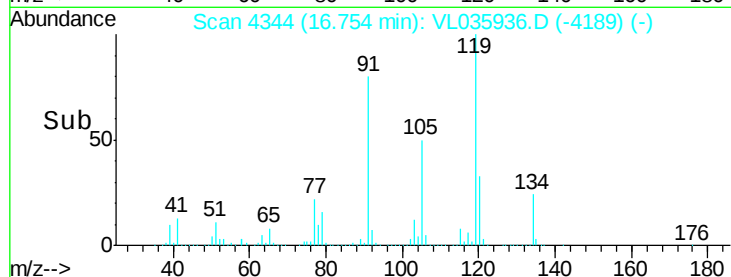
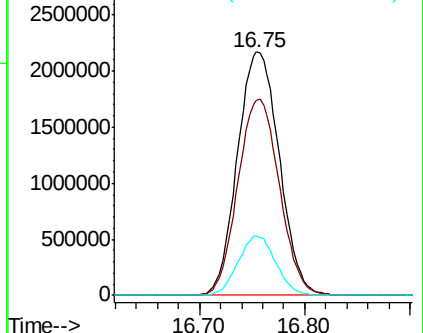
134 22.0 17.8 26.8



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: 5.753 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

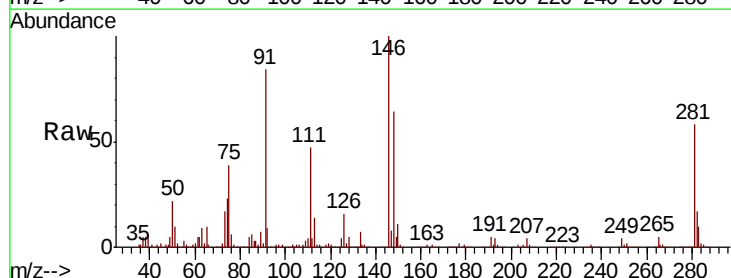
Tgt Ion: 91 Resp: 2204789

Ion Ratio Lower Upper

91 100

126 19.5 16.0 24.0

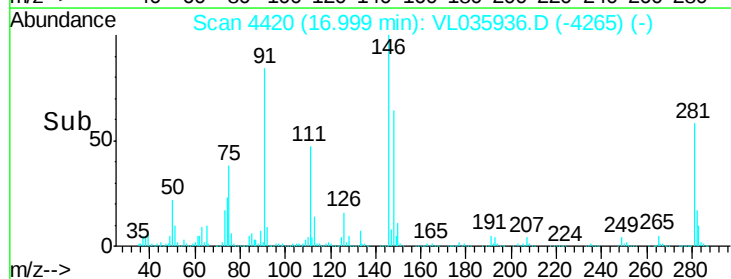
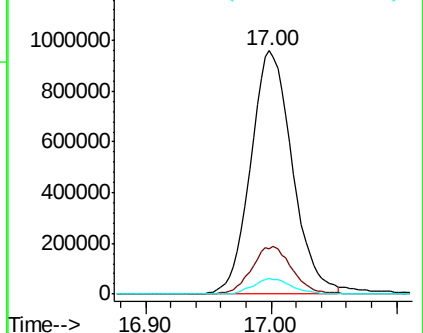
128 6.0 5.0 7.4

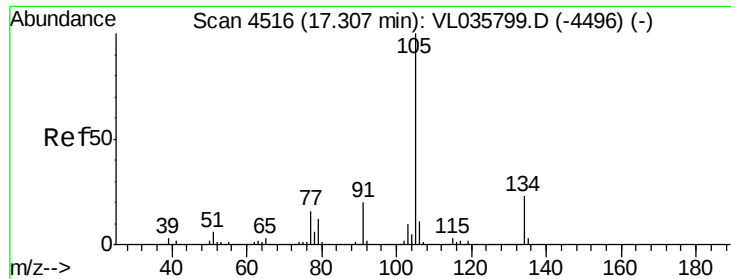


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 5.203 ppbv

RT: 17.30 min Scan# 4516

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

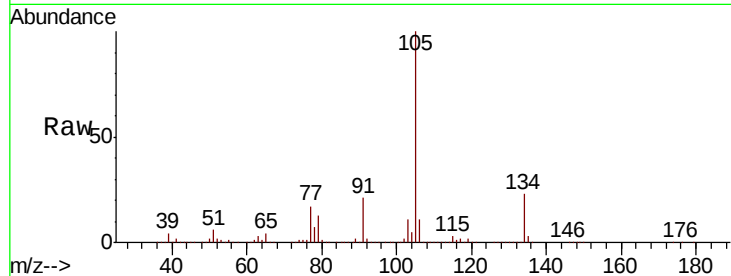
VSTDCCC010EC

Tot Ion:105 Resp: 8128512

Ion Ratio Lower Upper

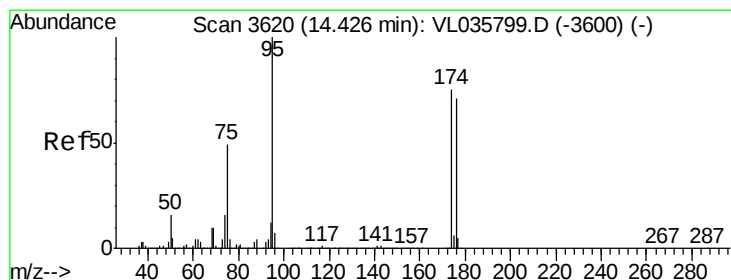
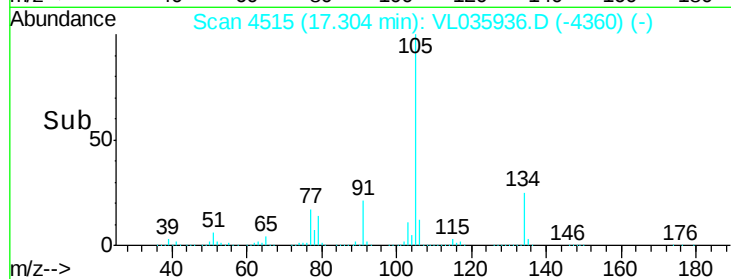
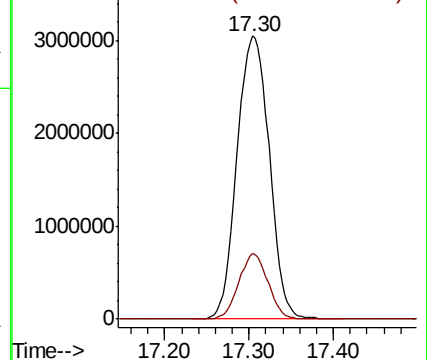
105 100

134 21.0 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: 9.543 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

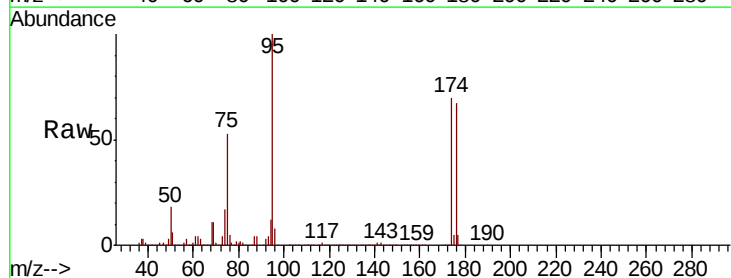
Tgt Ion: 95 Resp: 5481508

Ion Ratio Lower Upper

95 100

174 70.9 59.8 89.6

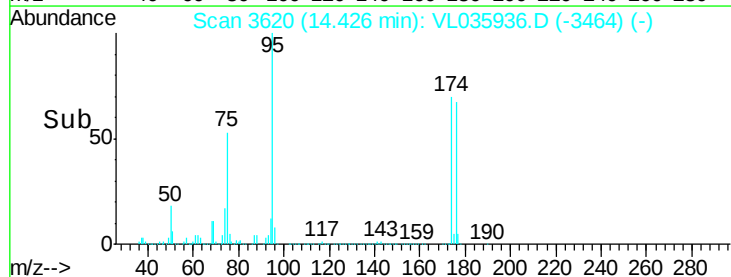
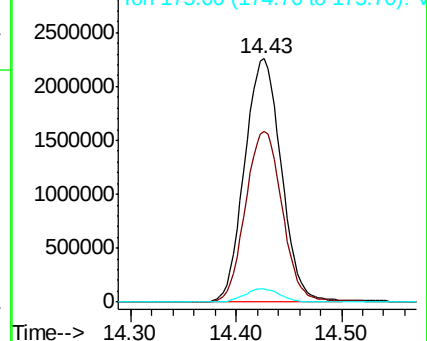
175 5.3 4.3 6.5

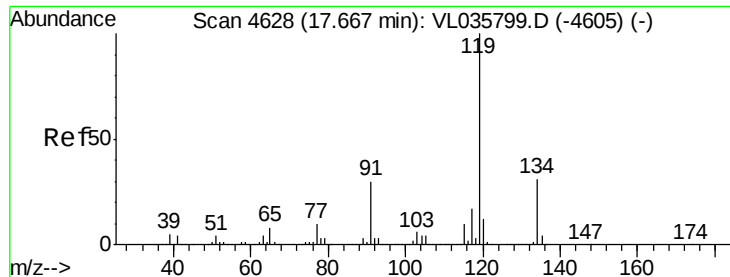


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

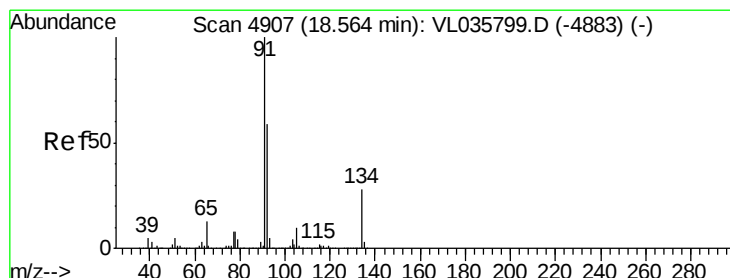
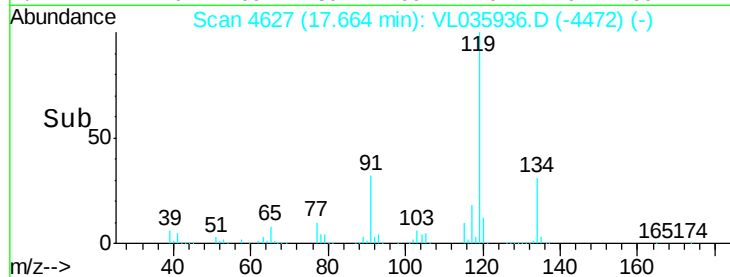
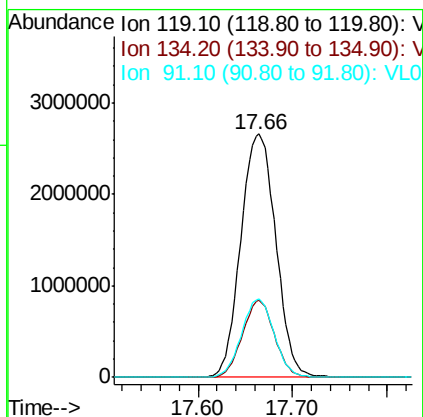
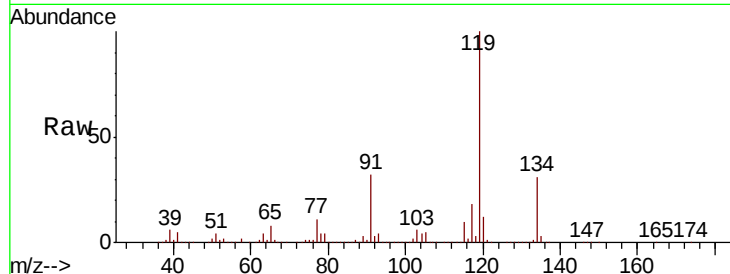




#69
 p-Isopropyltoluene
 Concen: 5.302 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

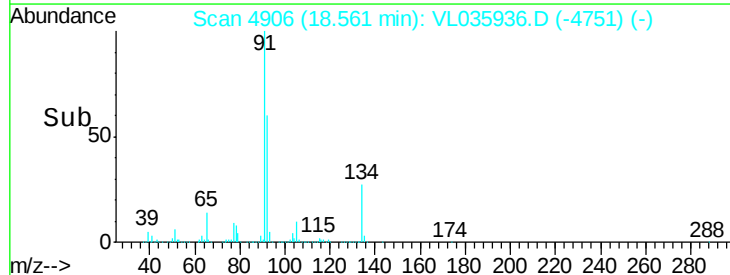
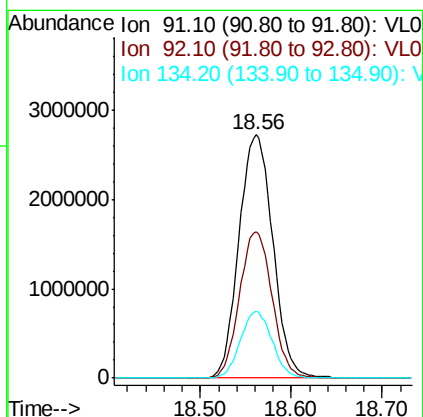
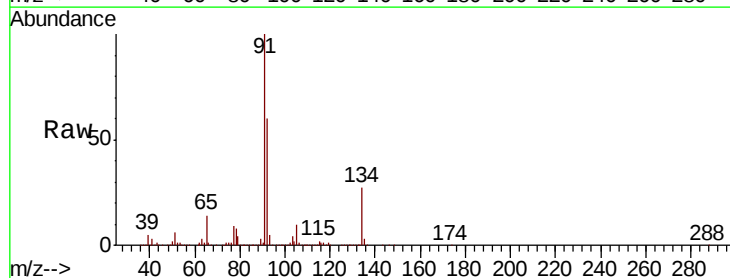
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

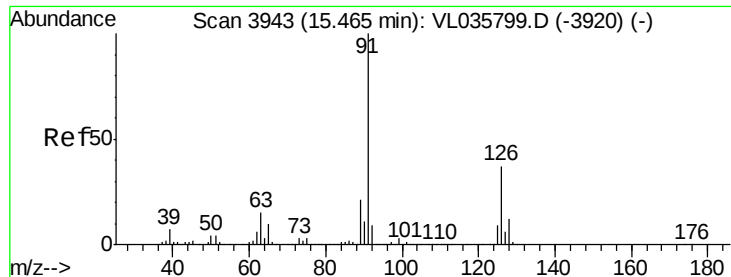
Tot Ion:119 Resp: 6836490
 Ion Ratio Lower Upper
 119 100
 134 28.9 23.0 34.6
 91 30.1 22.8 34.2



#70
 n-Butylbenzene
 Concen: 5.682 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion: 91 Resp: 7055169
 Ion Ratio Lower Upper
 91 100
 92 58.0 45.7 68.5
 134 25.8 21.0 31.4

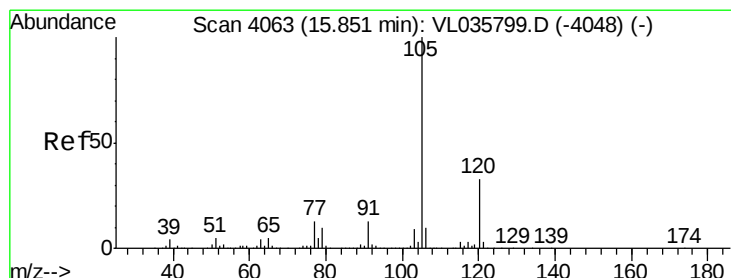
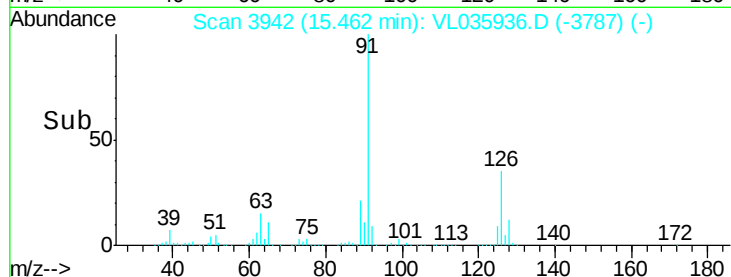
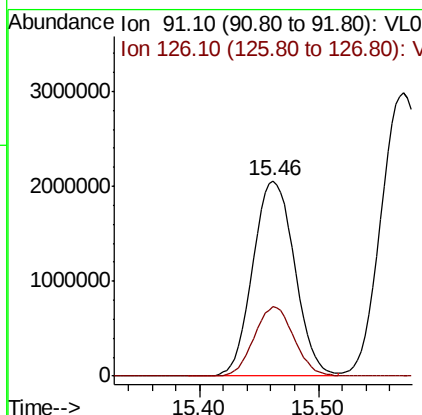
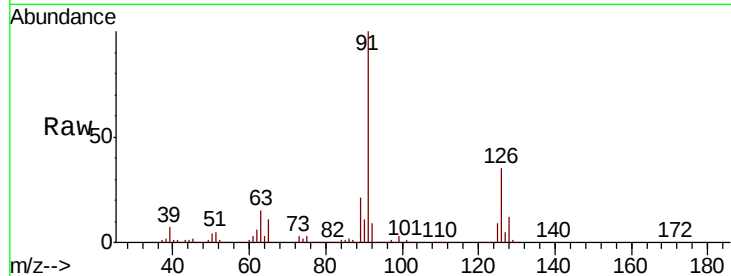




#71
2-Chlorotoluene
Concen: 5.379 ppbv
RT: 15.46 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

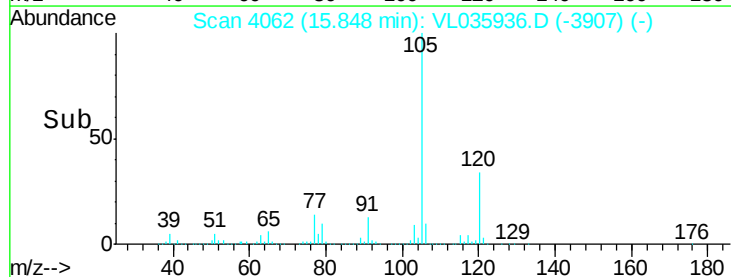
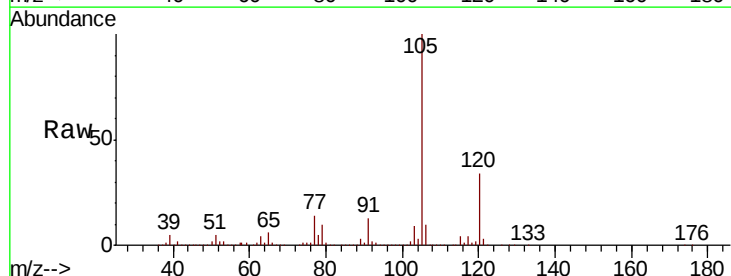
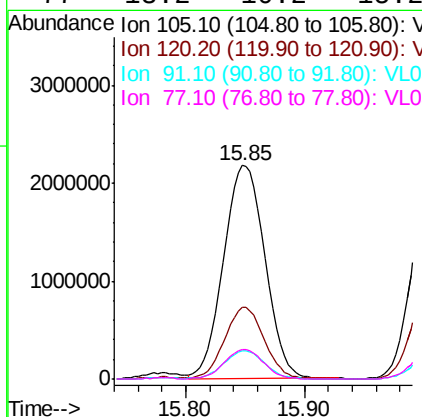
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

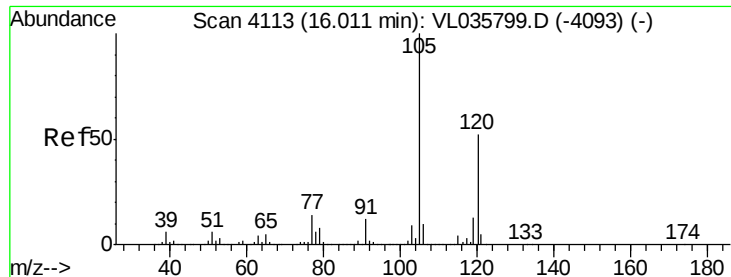
Tot Ion: 91 Resp: 5011543
Ion Ratio Lower Upper
91 100
126 34.1 14.3 57.1



#72
4-Ethyltoluene
Concen: 5.344 ppbv
RT: 15.85 min Scan# 4062
Delta R.T. -0.00 min
Lab File: VL035936.D
Acq: 13 Nov 2020 8:33

Tgt Ion: 105 Resp: 5252160
Ion Ratio Lower Upper
105 100
120 32.2 25.9 38.9
91 12.8 9.9 14.9
77 13.2 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 5.466 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

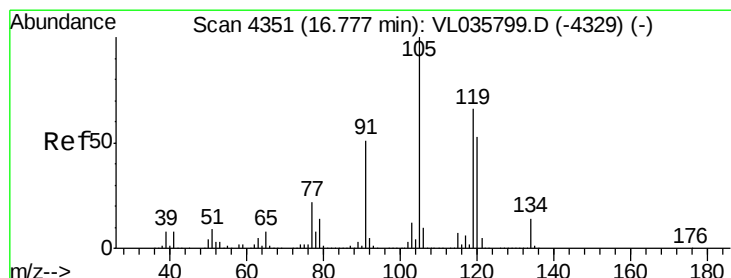
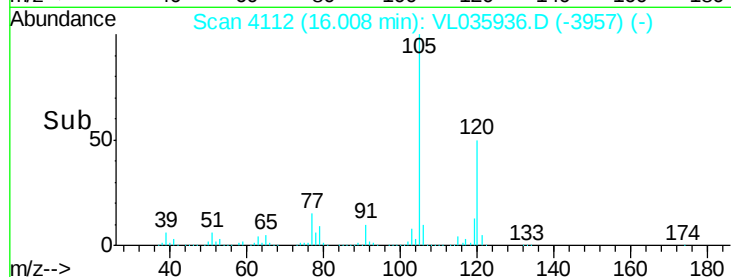
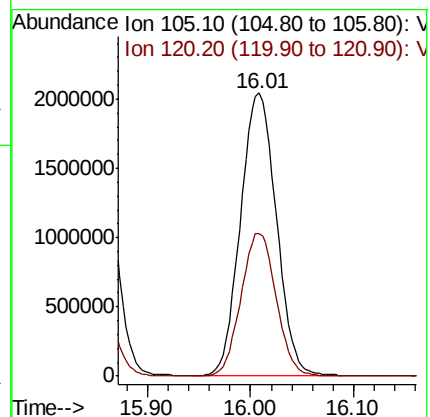
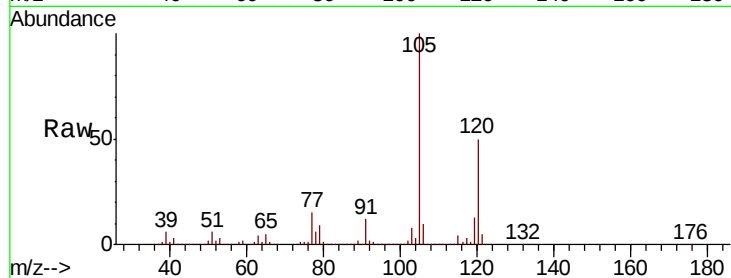
VSTDCCC010EC

Tot Ion:105 Resp: 4916463

Ion Ratio Lower Upper

105 100

120 50.5 41.4 62.2



#74

1,2,4-Trimethylbenzene

Concen: 5.403 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Tgt Ion:105 Resp: 5207293

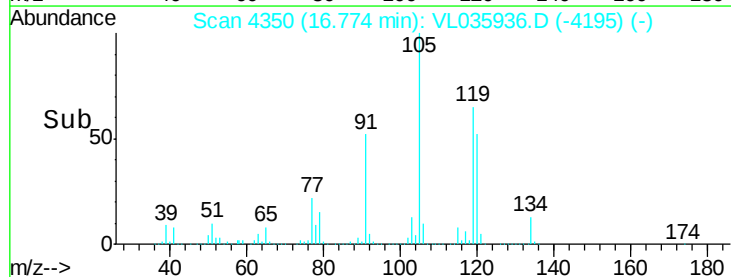
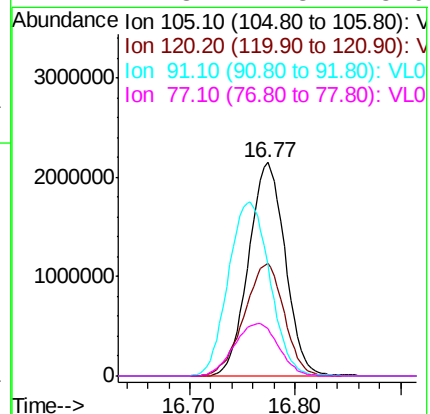
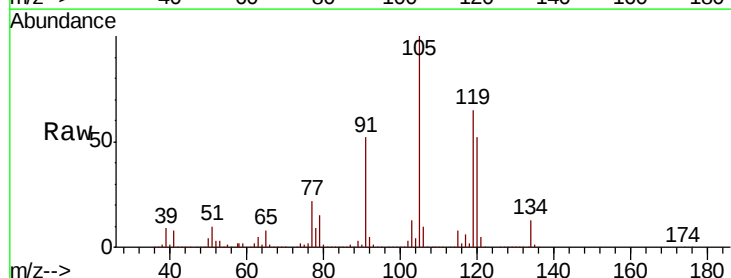
Ion Ratio Lower Upper

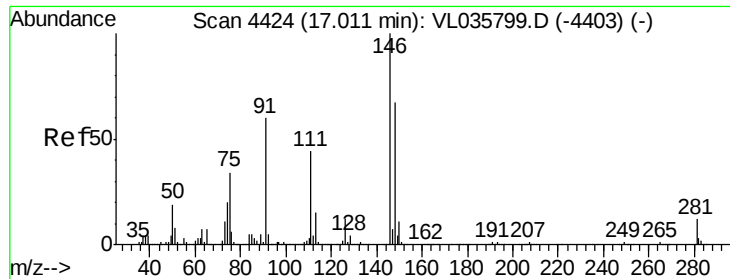
105 100

120 52.4 42.0 63.0

91 52.1 41.0 61.6

77 22.3 17.3 25.9





#75

1,3-Dichlorobenzene

Concen: 5.298 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

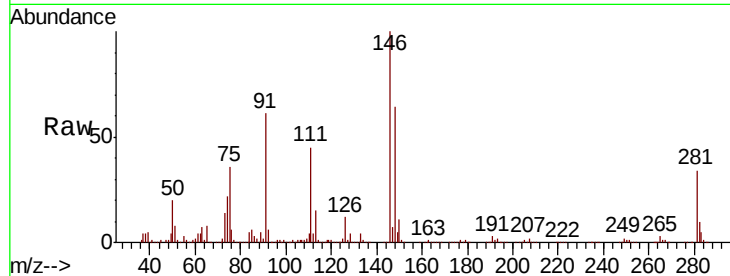
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3251353

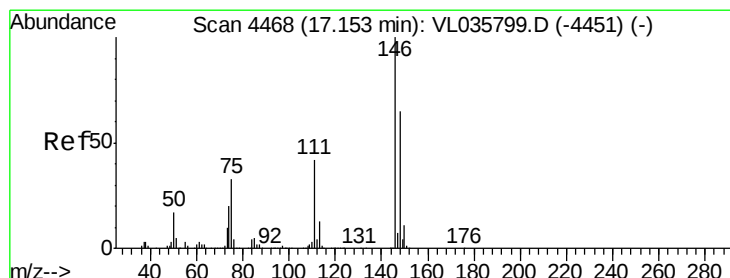
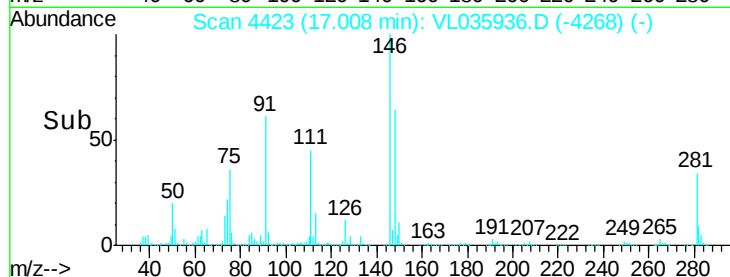
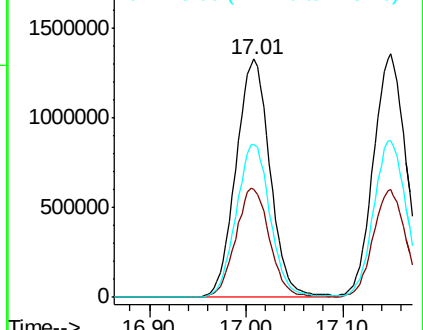
Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.8	65.4
148	64.4	32.5	97.5



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



#76

1,4-Dichlorobenzene

Concen: 5.347 ppbv

RT: 17.15 min Scan# 4467

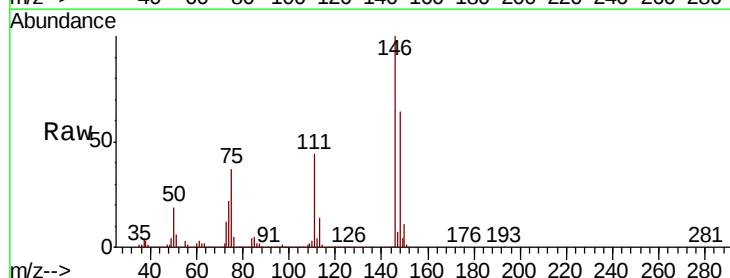
Delta R.T. -0.00 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Tgt Ion:146 Resp: 3165287

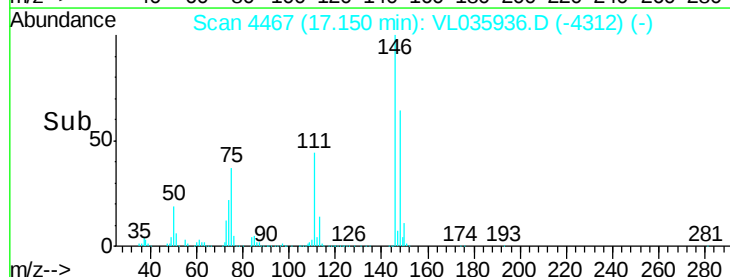
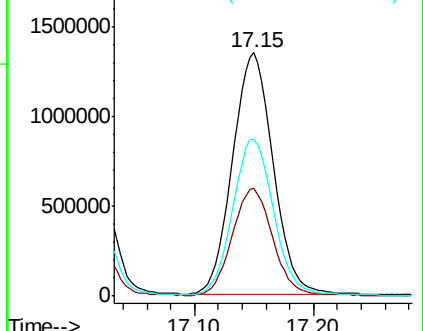
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.3	63.7
148	66.2	33.0	99.0

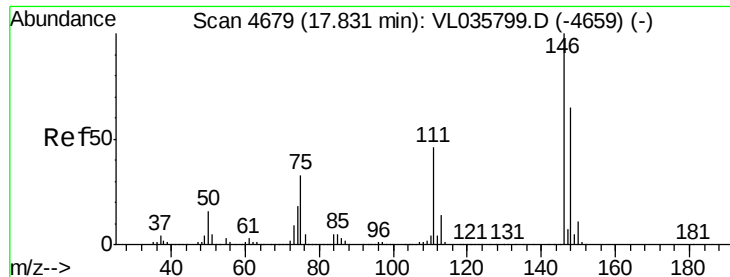


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



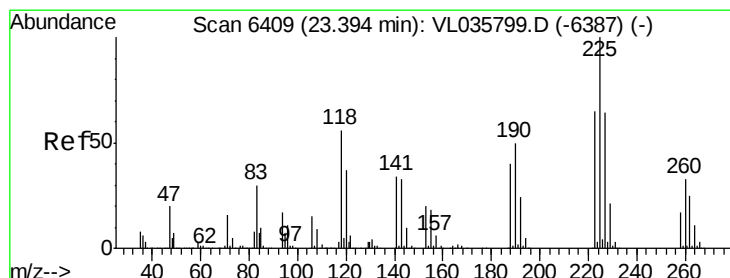
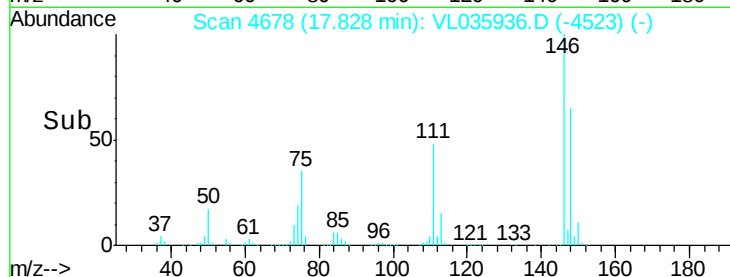
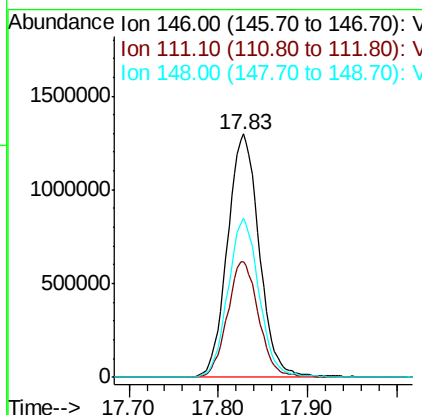
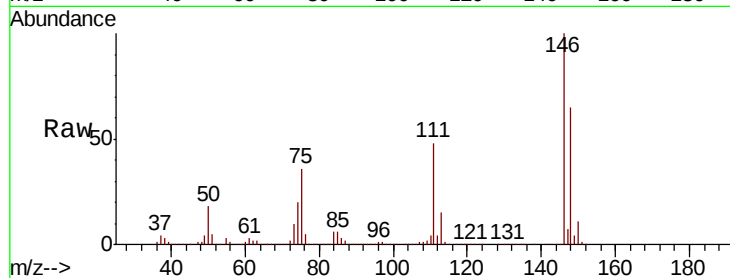


#77
 1,2-Dichlorobenzene
 Concen: 5.317 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. -0.00 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3180867

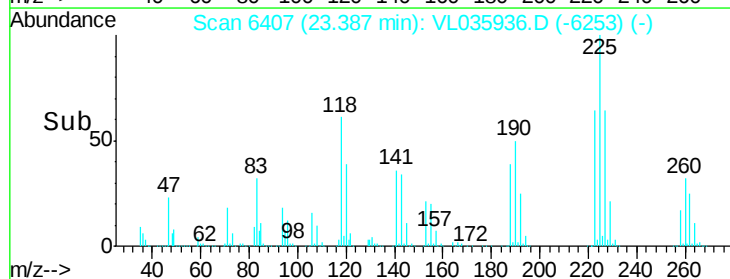
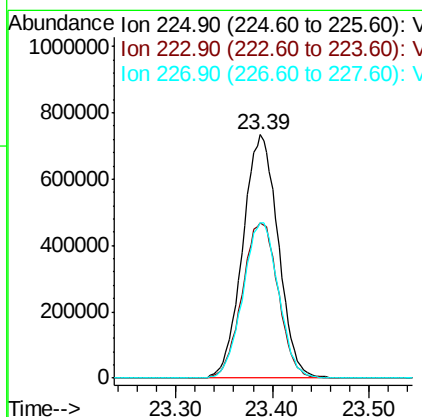
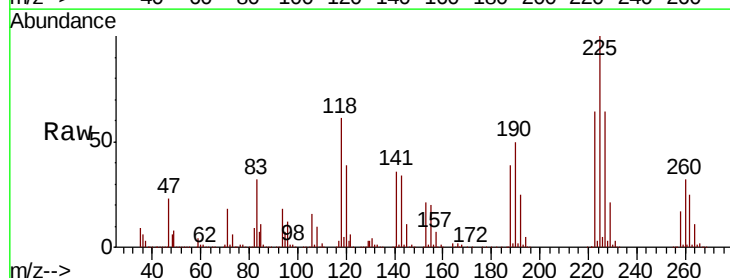
Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.4	67.0
148	64.5	32.5	97.5

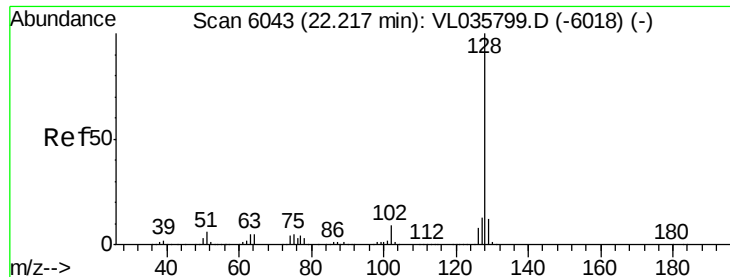


#78
 Hexachloro-1,3-Butadiene
 Concen: 6.681 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. -0.01 min
 Lab File: VL035936.D
 Acq: 13 Nov 2020 8:33

Tgt Ion:225 Resp: 1864875

Ion	Ratio	Lower	Upper
225	100		
223	65.0	51.0	76.6
227	64.4	51.2	76.8





#79

Naphthalene

Concen: 7.062 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. -0.01 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

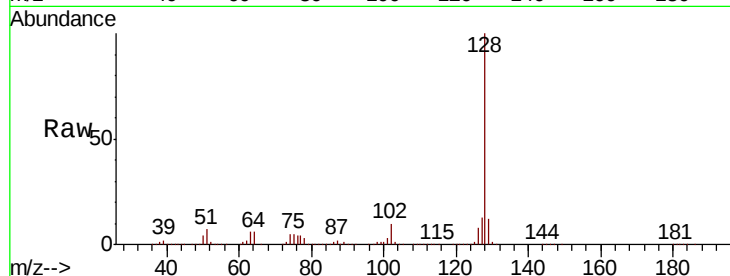
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 4744770

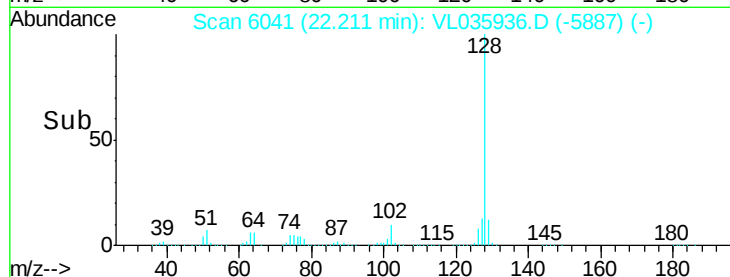
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.6	9.2	13.8



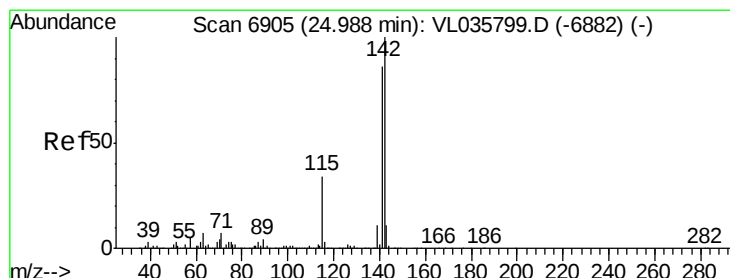
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 10.983 ppbv

RT: 24.98 min Scan# 6903

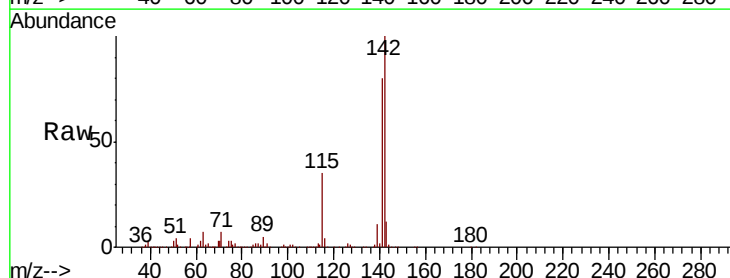
Delta R.T. -0.01 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Tgt Ion:142 Resp: 1202474

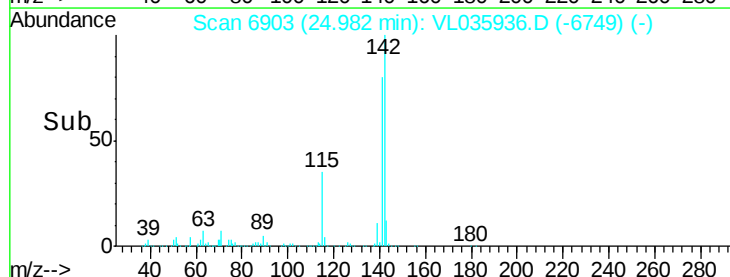
Ion	Ratio	Lower	Upper
142	100		
141	85.0	67.8	101.8
115	34.2	28.1	42.1



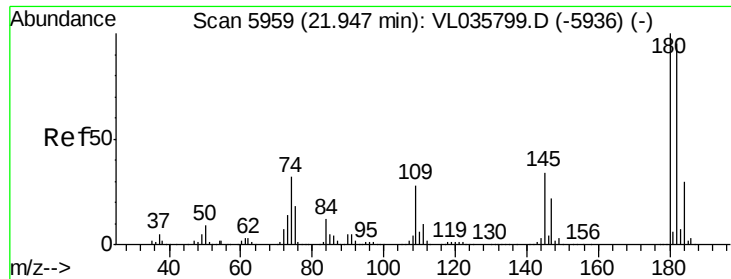
Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->



#81

1,2,4-Trichlorobenzene

Concen: 6.363 ppbv

RT: 21.94 min Scan# 5956

Delta R.T. -0.01 min

Lab File: VL035936.D

Acq: 13 Nov 2020 8:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:180 Resp: 2388378

Ion Ratio Lower Upper

180 100

182 97.6 77.2 115.8

184 31.5 24.7 37.1

