

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035209.D
 Acq On : 21 Jul 2020 10:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 22 00:46:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1232579	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2942121	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2797994	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2296232	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1335046	7.729	ppbv 100
3) Chlorodifluoromethane	2.94	51	1243176	9.131	ppbv 100
4) Chloromethane	3.09	50	704913	9.186	ppbv 97
5) Vinyl Chloride	3.21	62	736905	8.987	ppbv 98
6) Bromomethane	3.43	94	447557	9.617	ppbv 96
7) Chloroethane	3.51	64	279420	9.639	ppbv 99
8) Dichlorotetrafluoroethane	3.14	85	1698533	8.972	ppbv 100
9) Propene	2.96	41	486917	9.463	ppbv 98
10) Heptane	8.13	43	1436453	10.875	ppbv 100
11) Trichlorofluoromethane	3.91	101	1846348	9.465	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1286121	9.388	ppbv 100
13) Ethanol	3.56	45	131442	8.024	ppbv 94
14) Bromoethene	3.70	108	560603	9.943	ppbv 99
15) Acetone	3.81	43	1377446	8.255	ppbv 98
16) 1,3-Butadiene	3.28	39	655384	10.232	ppbv 100
17) tert-Butyl alcohol	4.26	59	1526075	10.336	ppbv 99
18) 1,1-Dichloroethene	4.26	96	590526	9.736	ppbv 94
19) Isopropyl Alcohol	3.93	45	1028658	10.218	ppbv 99
20) Methylene Chloride	4.31	84	565027	7.782	ppbv 98
21) Allyl Chloride	4.38	41	958235	9.866	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	594535	9.818	ppbv 97
23) Vinyl Acetate	5.05	43	1805258	9.994	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1470573	9.480	ppbv 99
25) Ethyl Acetate	5.66	43	2531721	9.776	ppbv 99
26) Hexane	5.67	57	1143052	10.011	ppbv 99
27) Carbon Disulfide	4.52	76	1586666	9.951	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1739789	10.001	ppbv 99
29) Chloroform	5.74	83	1823854	9.528	ppbv 98
30) Cyclohexane	7.12	84	924428	10.942	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	1099723	10.183	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	1819010	9.481	ppbv 99
34) 2-Butanone	5.22	43	1534329	9.771	ppbv 99
35) Carbon Tetrachloride	7.01	117	1902306	9.961	ppbv 97
36) Benzene	6.89	78	2197560	10.320	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1428011	9.993	ppbv 99
38) Trichloroethene	7.84	130	918790	10.589	ppbv 98
39) 1,2-Dichloropropane	7.62	63	870448	10.279	ppbv 97
40) 1,4-Dioxane	7.83	88	351367	10.423	ppbv 97
41) Tetrahydrofuran	6.03	42	847460	10.785	ppbv 99
42) Bromodichloromethane	7.80	83	1959969	10.271	ppbv 100
43) Methyl Methacrylate	8.02	69	1029383	11.436	ppbv 98

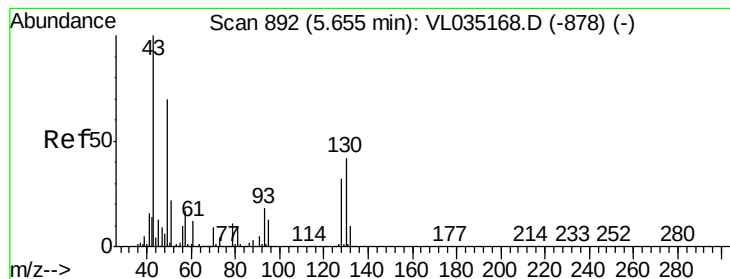
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3873765	10.539	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1152653	12.188	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1357712	12.110	ppbv	94
47) 1,1,2-Trichloroethane	9.49	97	963517	10.395	ppbv	98
48) Dibromochloromethane	10.33	129	1661562	11.017	ppbv	99
49) Bromoform	13.07	173	1461059	11.075	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2406319	10.677	ppbv	100
51) 2-Hexanone	10.15	43	1921913	11.184	ppbv #	100
52) Tetrachloroethene	11.25	164	813425	10.228	ppbv	95
53) Toluene	9.82	91	2623295	11.673	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1452804	10.562	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1272224	10.263	ppbv #	94
57) Chlorobenzene	12.17	112	2085882	10.115	ppbv	99
58) Ethyl Benzene	12.73	91	3580074	11.576	ppbv	98
59) m/p-Xylene	13.02	91	3085335	11.194	ppbv #	33
60) o-Xylene	13.72	91	3031121	11.022	ppbv	99
61) Styrene	13.56	104	2109520	12.414	ppbv	99
62) Isopropylbenzene	14.70	105	4449226	10.915	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2179310	9.484	ppbv	99
64) n-propylbenzene	15.59	120	1180543	11.212	ppbv	99
65) tert-Butylbenzene	16.78	119	3926928	10.727	ppbv	99
66) Benzyl Chloride	17.03	91	1587036	12.168	ppbv	100
67) sec-Butylbenzene	17.33	105	5660059	10.605	ppbv	99
69) p-Isopropyltoluene	17.69	119	4647459	11.110	ppbv	100
70) n-Butylbenzene	18.59	91	4833465	10.898	ppbv	99
71) 2-Chlorotoluene	15.49	91	3397190	11.014	ppbv	100
72) 4-Ethyltoluene	15.87	105	3555556	11.475	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3320423	11.113	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3500033	10.600	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	2014098	9.632	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	1993037	10.256	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1916774	10.181	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1391037	9.350	ppbv	99
79) Naphthalene	22.26	128	2890035	13.526	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1065508	21.111	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1626572	12.016	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

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VSTDCCC010

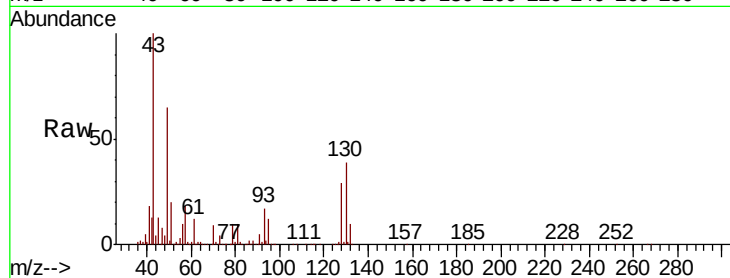
Tot Ion: 49 Resp: 1232579

Ion Ratio Lower Upper

49 100

128 47.3 23.8 71.4

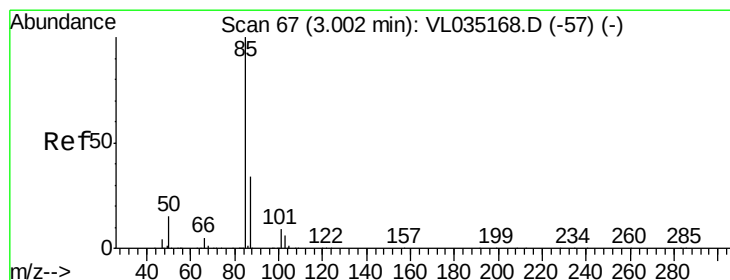
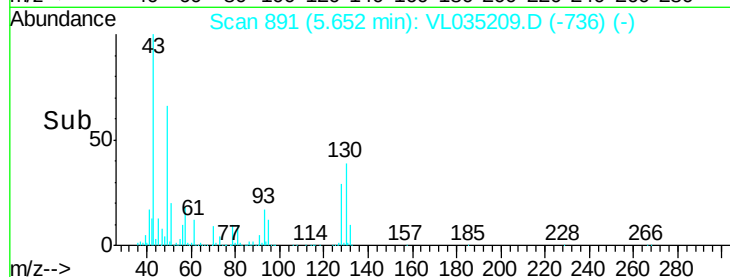
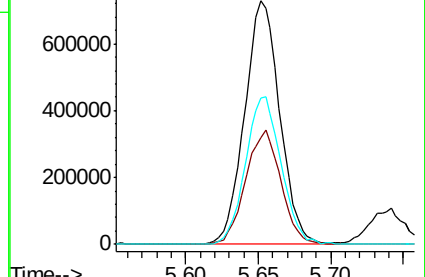
130 61.5 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.729 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL035209.D

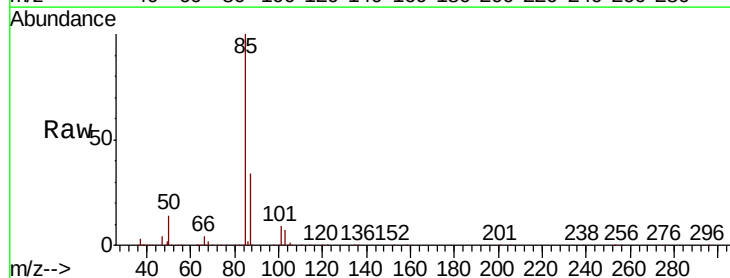
Acq: 21 Jul 2020 10:16

Tgt Ion: 85 Resp: 1335046

Ion Ratio Lower Upper

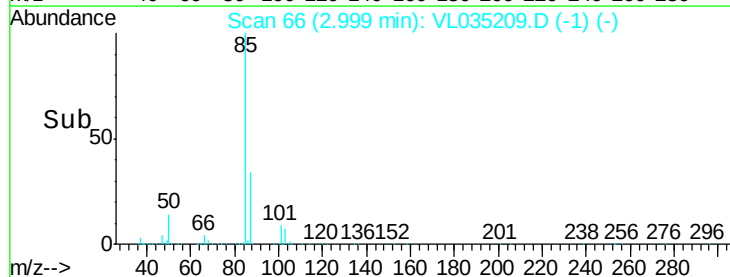
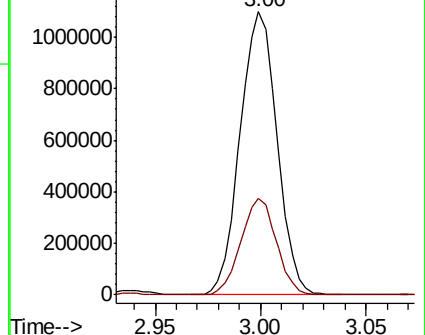
85 100

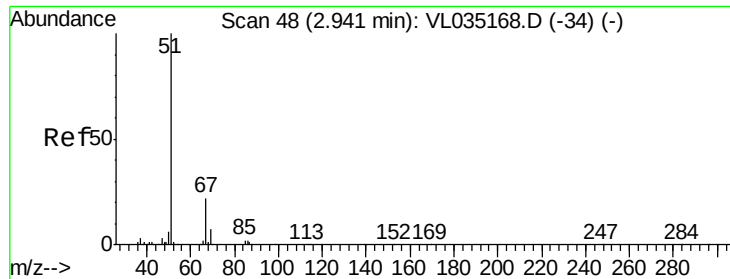
87 33.9 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

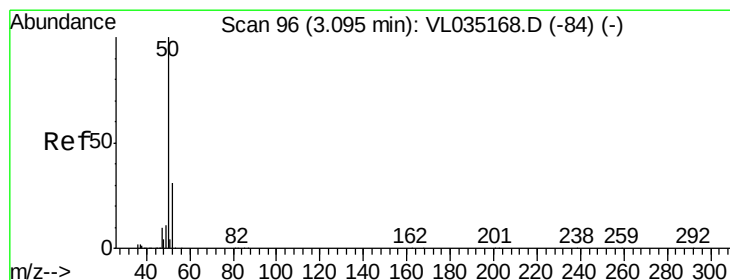
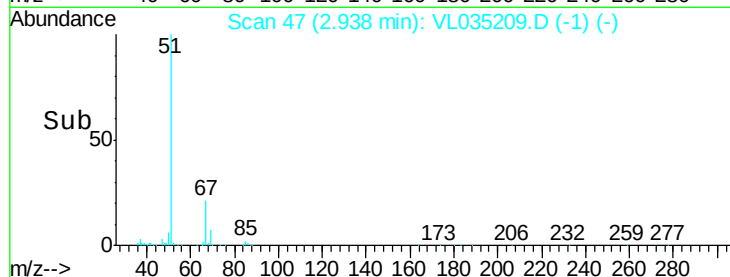
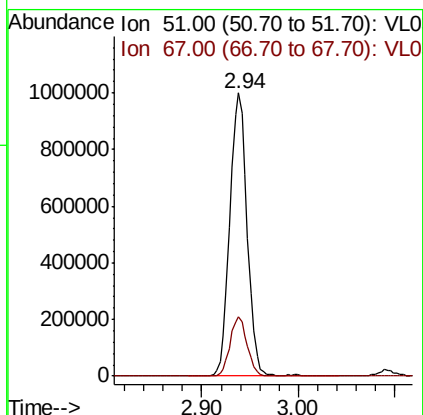
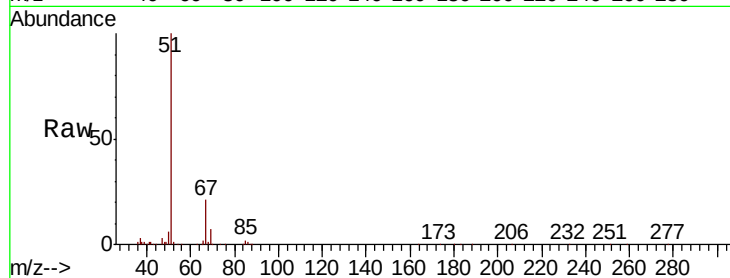




#3
Chlorodifluoromethane
Concen: 9.131 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

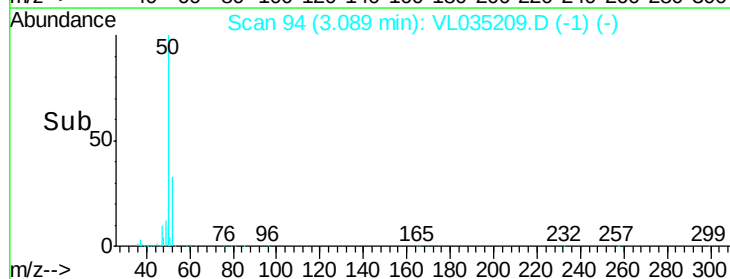
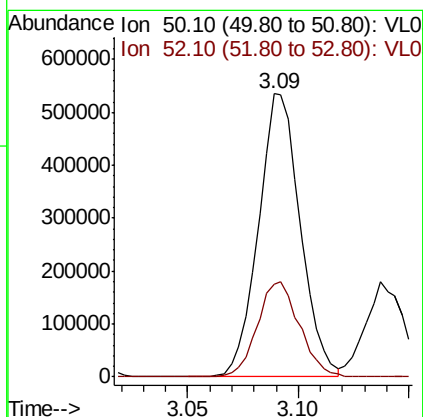
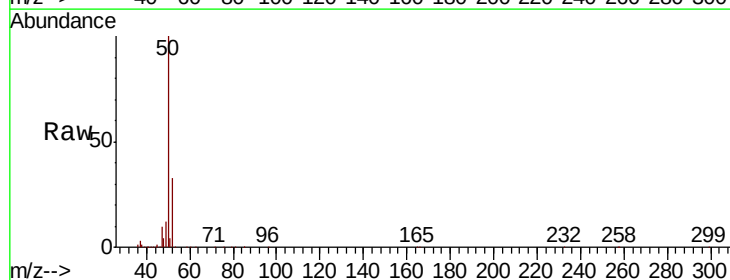
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

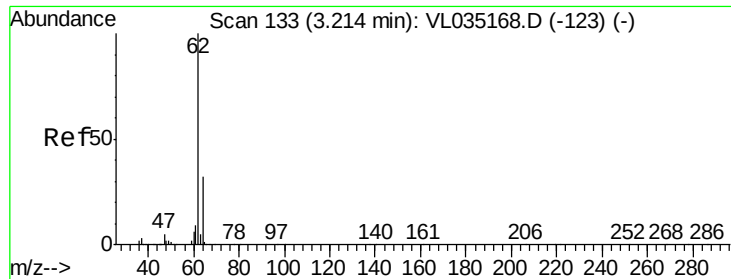
Tot Ion: 51 Resp: 1243176
Ion Ratio Lower Upper
51 100
67 20.7 16.6 24.8



#4
Chloromethane
Concen: 9.186 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.01 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 50 Resp: 704913
Ion Ratio Lower Upper
50 100
52 32.9 25.0 37.6





#5

Vinyl Chloride

Concen: 8.987 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

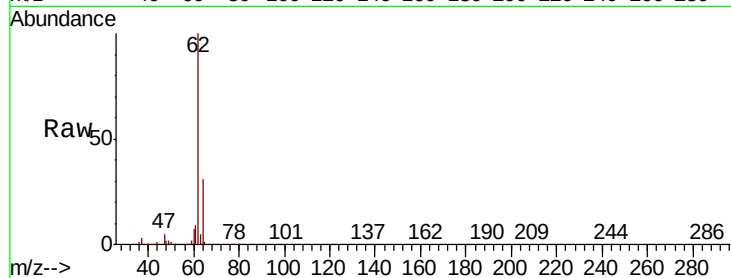
VSTDCCC010

Tot Ion: 62 Resp: 736905

Ion Ratio Lower Upper

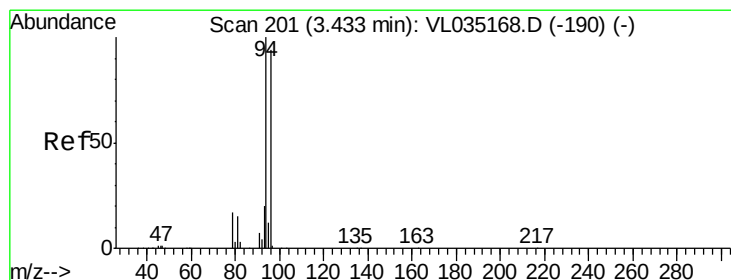
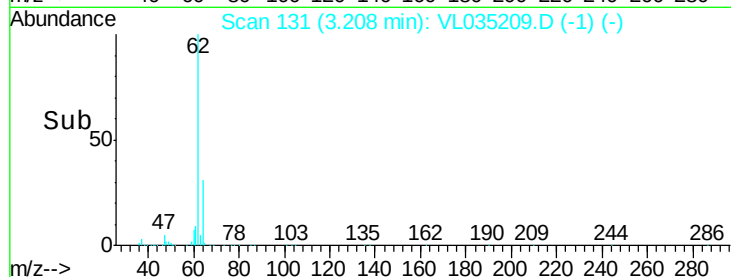
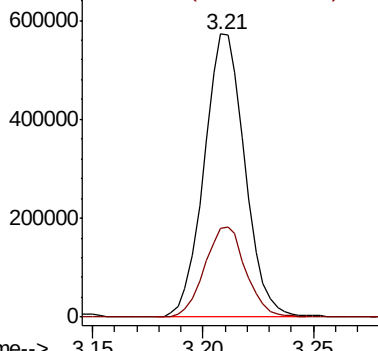
62 100

64 31.3 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.617 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035209.D

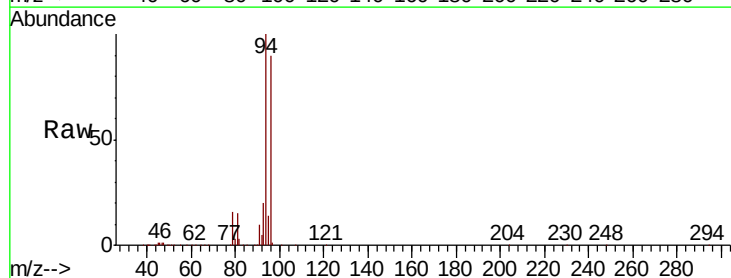
Acq: 21 Jul 2020 10:16

Tgt Ion: 94 Resp: 447557

Ion Ratio Lower Upper

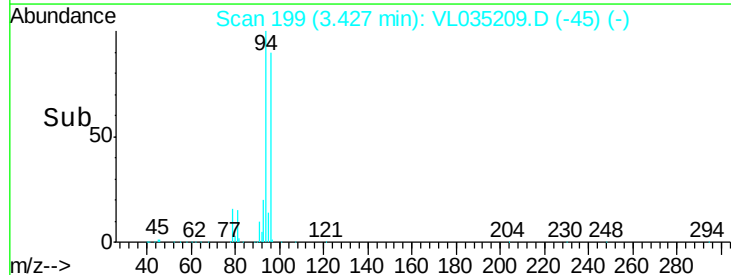
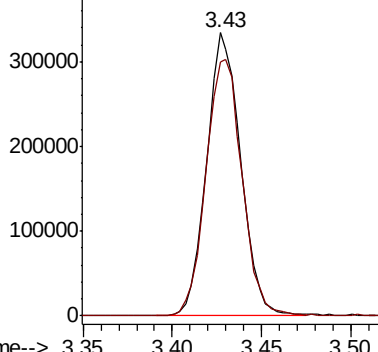
94 100

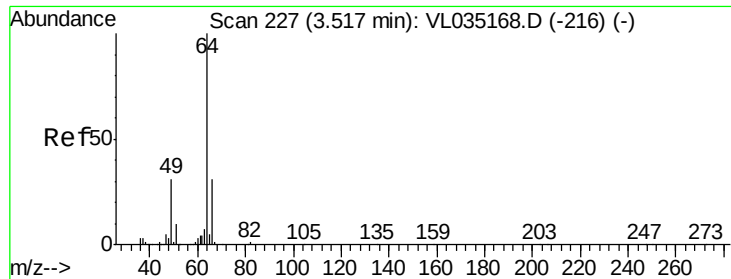
96 89.8 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.639 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

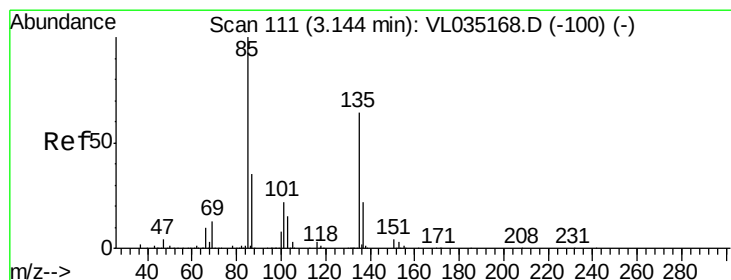
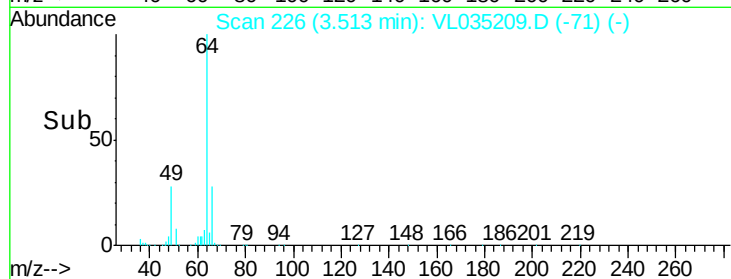
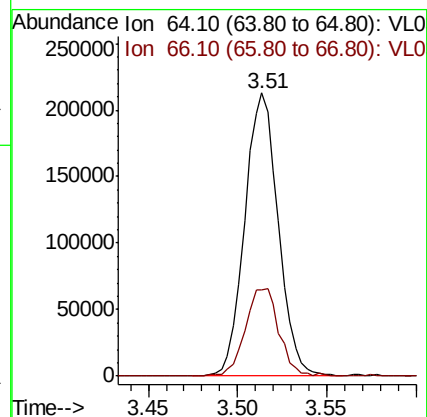
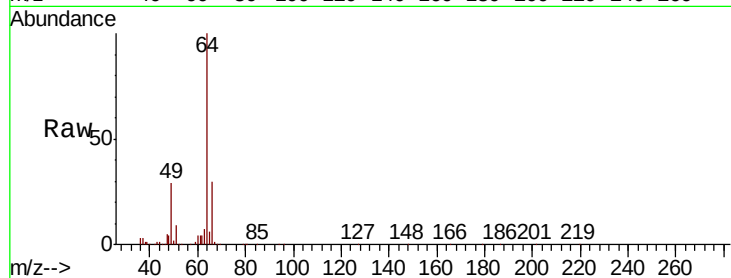
VSTDCCC010

Tot Ion: 64 Resp: 279420

Ion Ratio Lower Upper

64 100

66 30.4 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 8.972 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035209.D

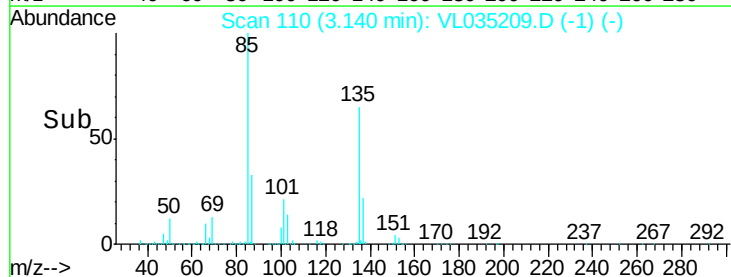
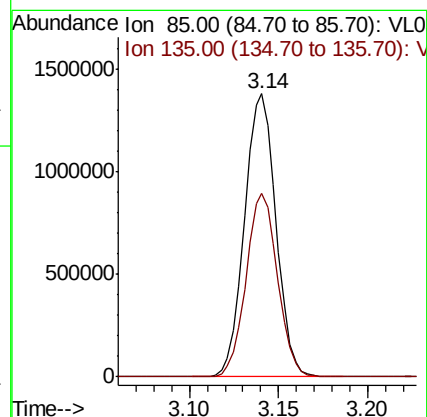
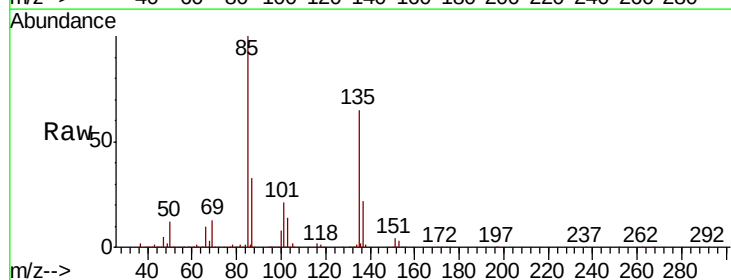
Acq: 21 Jul 2020 10:16

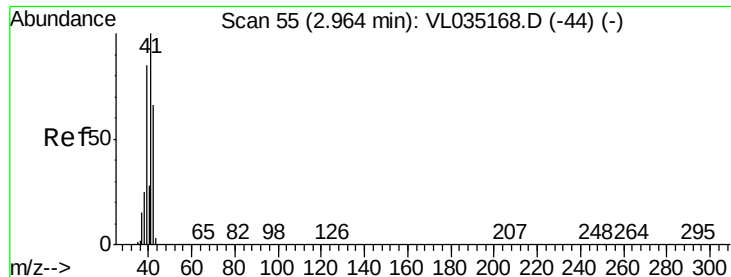
Tgt Ion: 85 Resp: 1698533

Ion Ratio Lower Upper

85 100

135 65.0 52.1 78.1





#9

Propene

Concen: 9.463 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

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ClientSampleId :

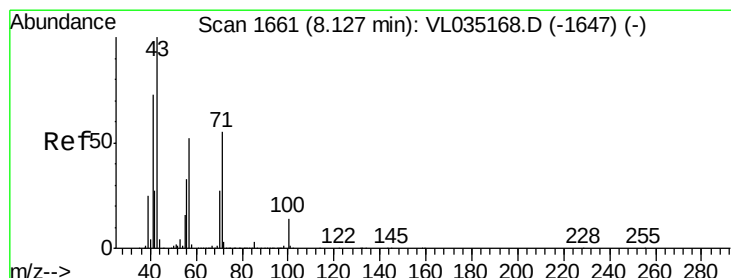
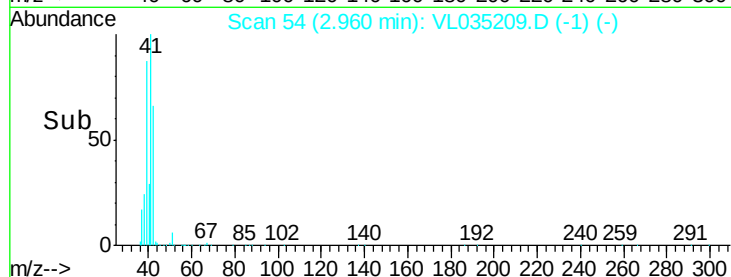
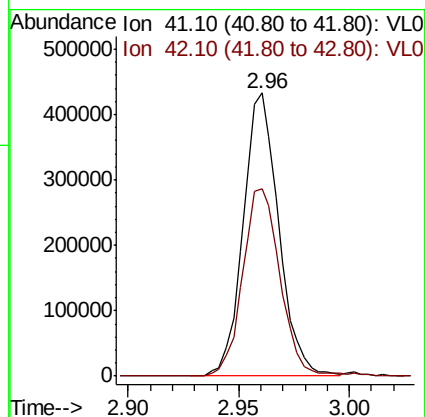
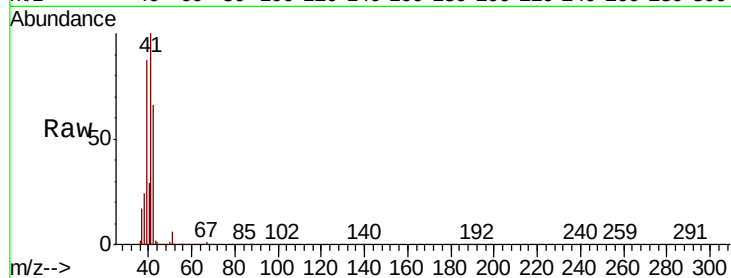
VSTDCCC010

Tot Ion: 41 Resp: 486917

Ion Ratio Lower Upper

41 100

42 70.2 54.6 81.8



#10

Heptane

Concen: 10.875 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035209.D

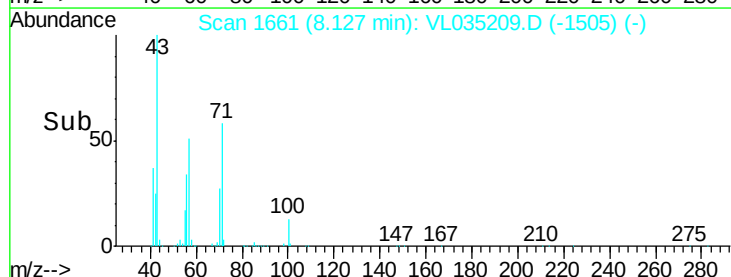
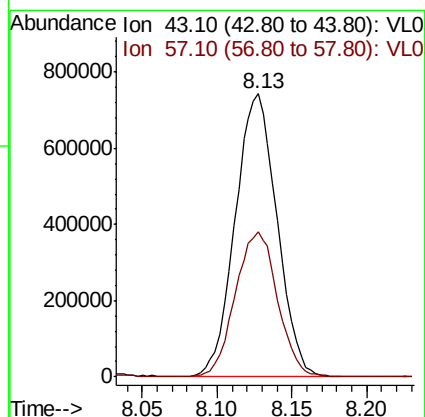
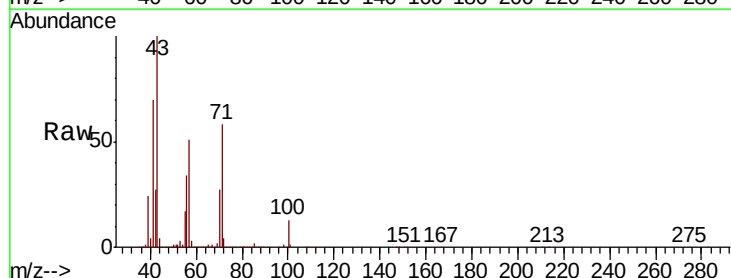
Acq: 21 Jul 2020 10:16

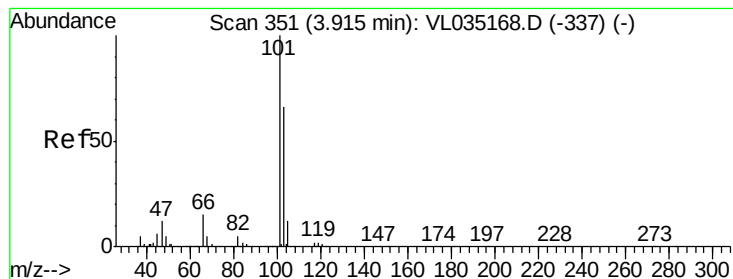
Tgt Ion: 43 Resp: 1436453

Ion Ratio Lower Upper

43 100

57 52.2 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.465 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

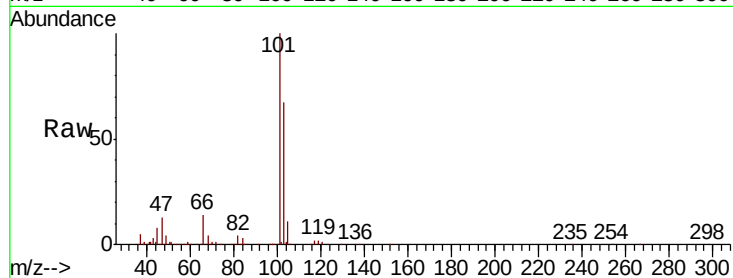
VSTDCCC010

Tot Ion:101 Resp: 1846348

Ion Ratio Lower Upper

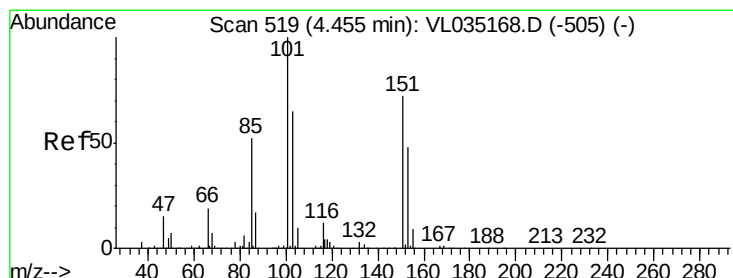
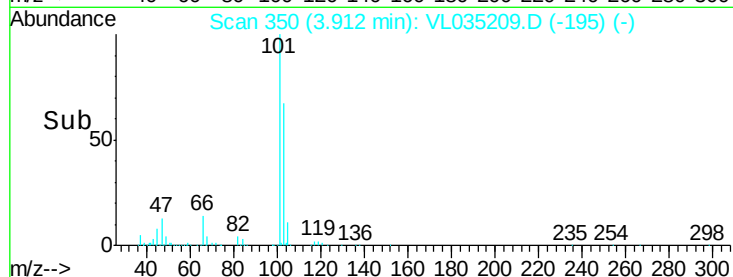
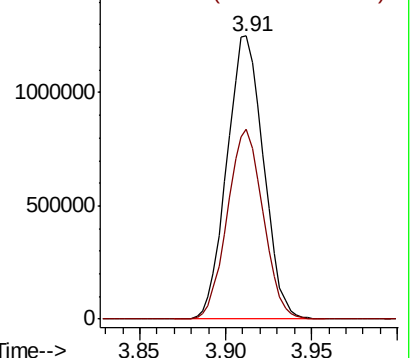
101 100

103 67.0 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.388 ppbv

RT: 4.46 min Scan# 519

Delta R.T. 0.00 min

Lab File: VL035209.D

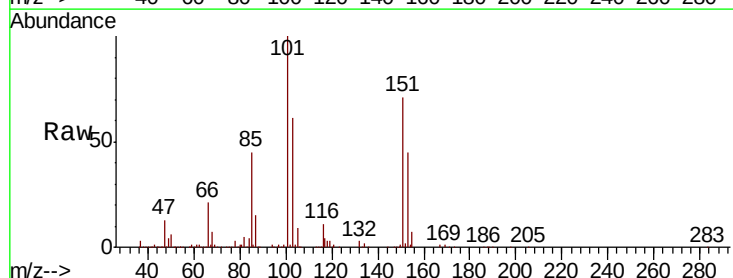
Acq: 21 Jul 2020 10:16

Tgt Ion:101 Resp: 1286121

Ion Ratio Lower Upper

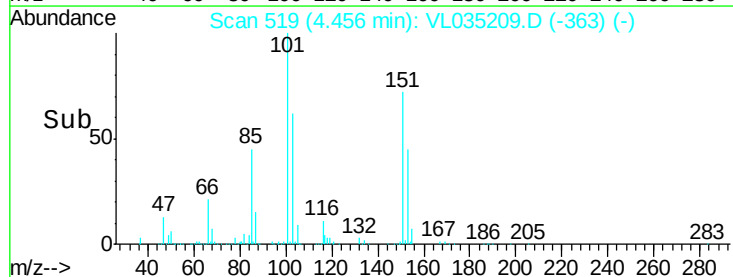
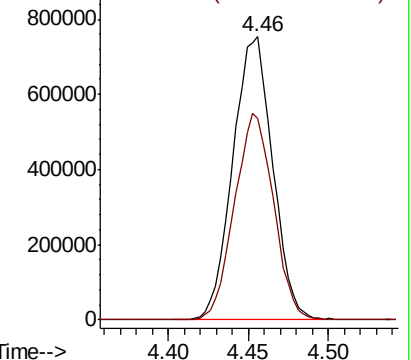
101 100

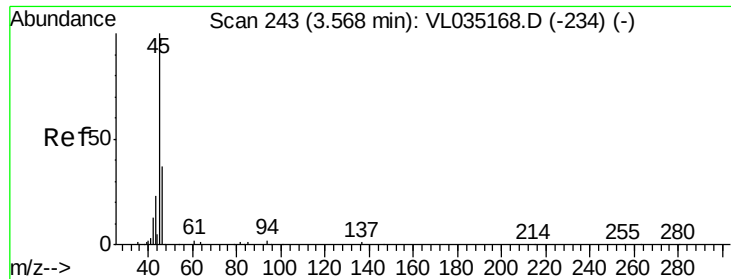
151 71.5 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.024 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

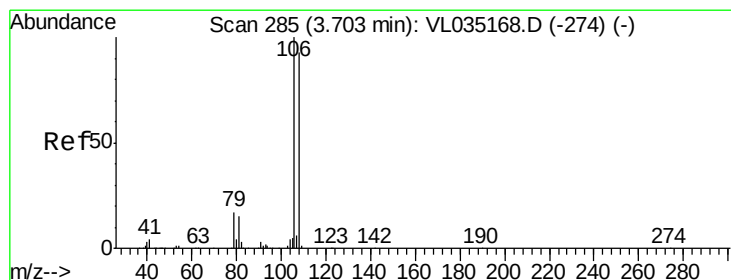
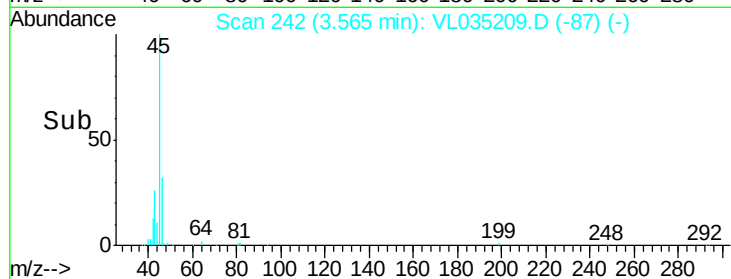
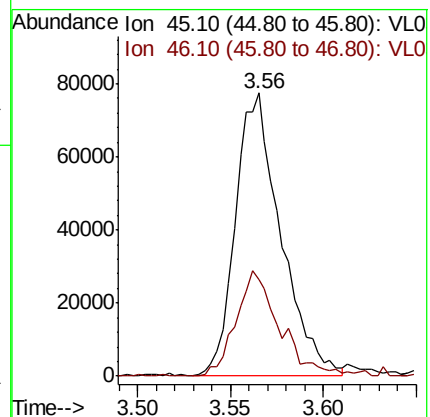
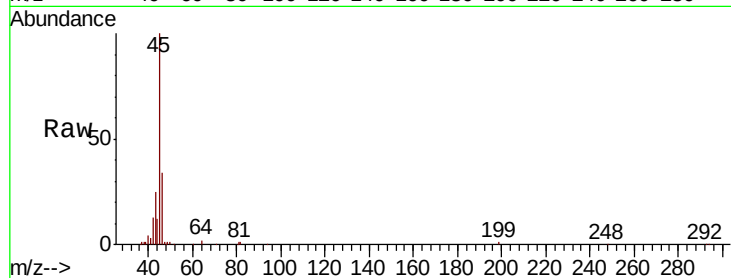
VSTDCCC010

Tot Ion: 45 Resp: 131442

Ion Ratio Lower Upper

45 100

46 36.6 16.2 65.0



#14

Bromoethene

Concen: 9.943 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.01 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

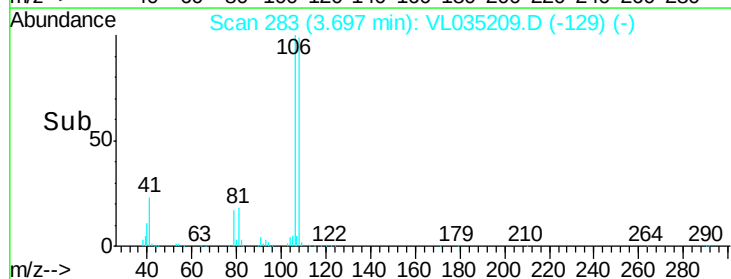
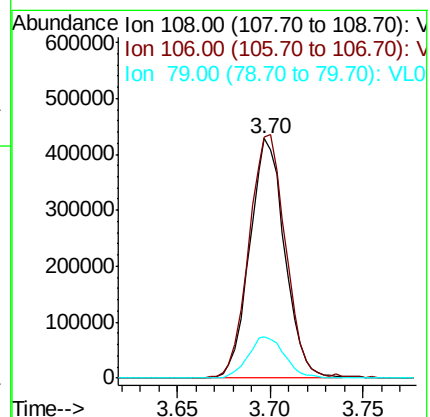
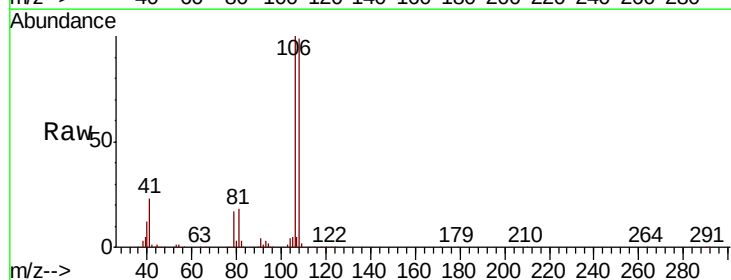
Tgt Ion: 108 Resp: 560603

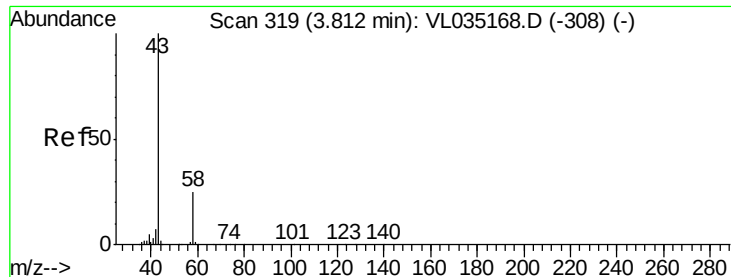
Ion Ratio Lower Upper

108 100

106 107.2 86.2 129.2

79 18.3 15.0 22.6





#15

Acetone

Concen: 8.255 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

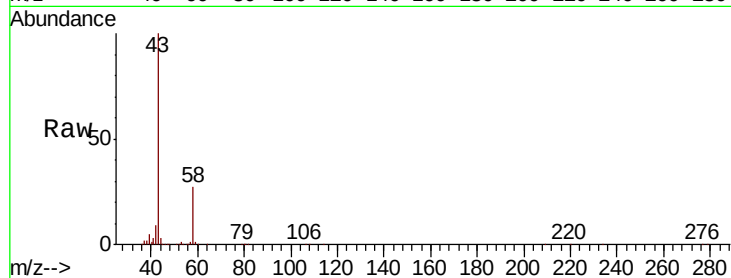
VSTDCCC010

Tot Ion: 43 Resp: 1377446

Ion Ratio Lower Upper

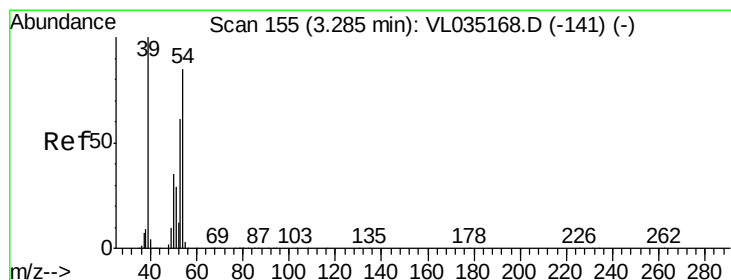
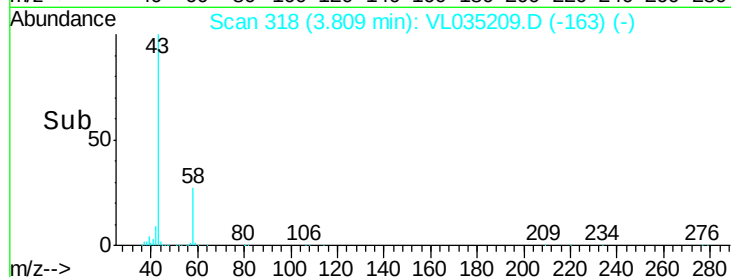
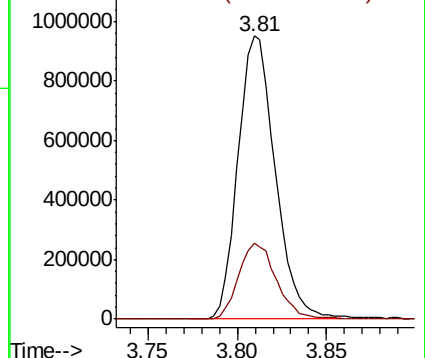
43 100

58 27.5 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.232 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035209.D

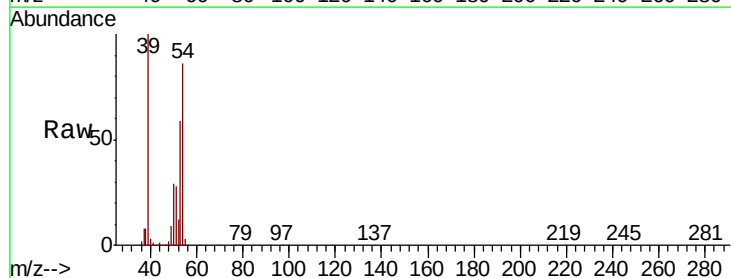
Acq: 21 Jul 2020 10:16

Tgt Ion: 39 Resp: 655384

Ion Ratio Lower Upper

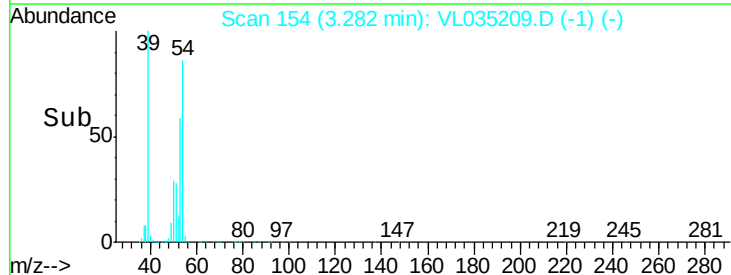
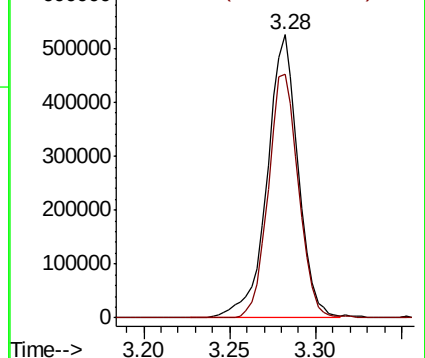
39 100

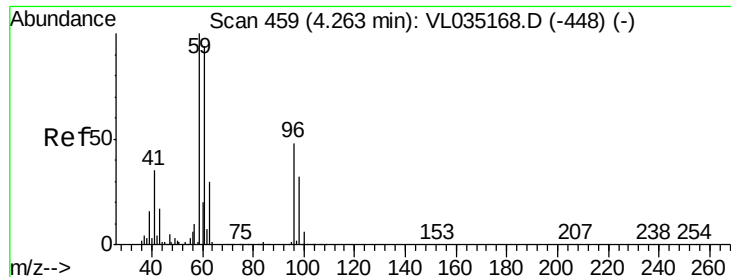
54 84.0 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol
Concen: 10.336 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

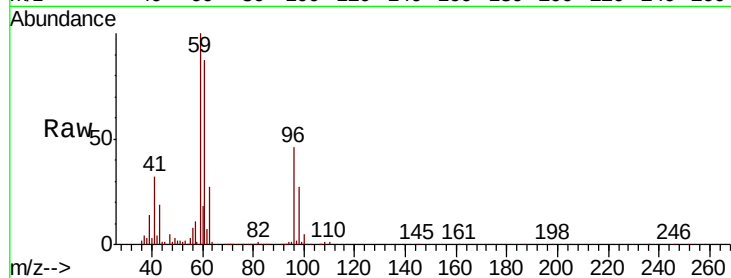
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1526075

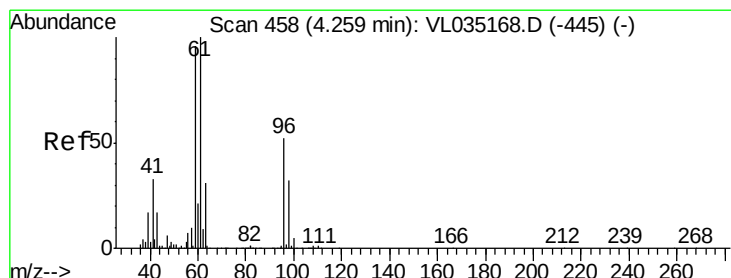
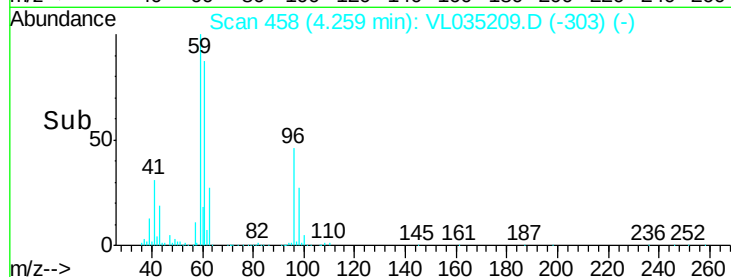
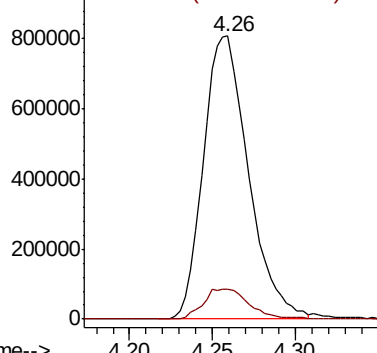
Ion Ratio Lower Upper

59 100

57 11.1 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
Concen: 9.736 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

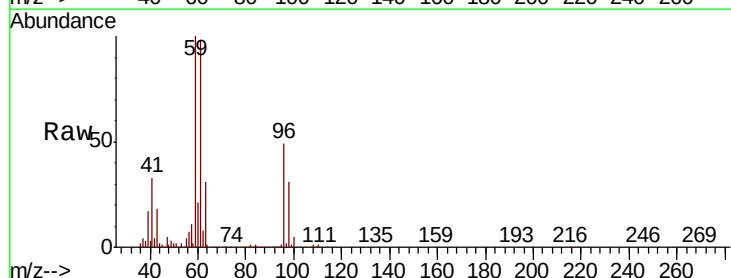
Tgt Ion: 96 Resp: 590526

Ion Ratio Lower Upper

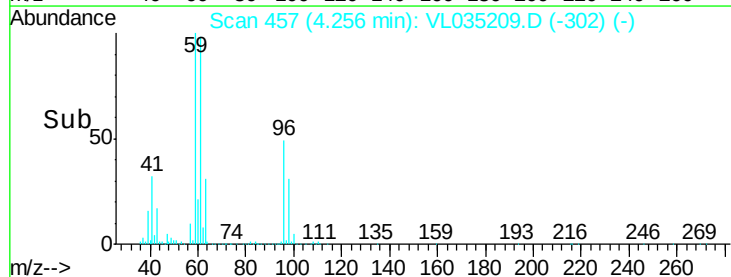
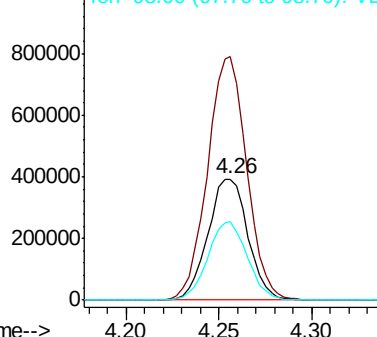
96 100

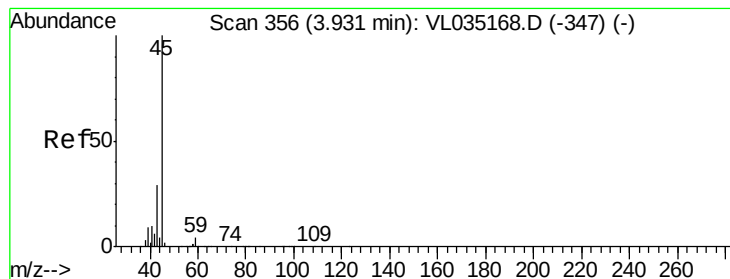
61 200.8 152.9 229.3

98 64.4 48.7 73.1



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





#19

Isopropyl Alcohol

Concen: 10.218 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

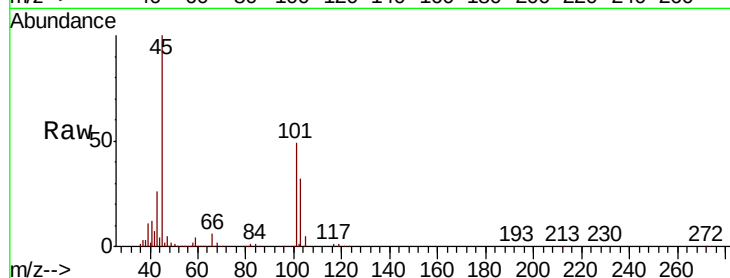
VSTDCCC010

Tot Ion: 45 Resp: 1028658

Ion Ratio Lower Upper

45 100

58 2.4 2.1 3.1



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

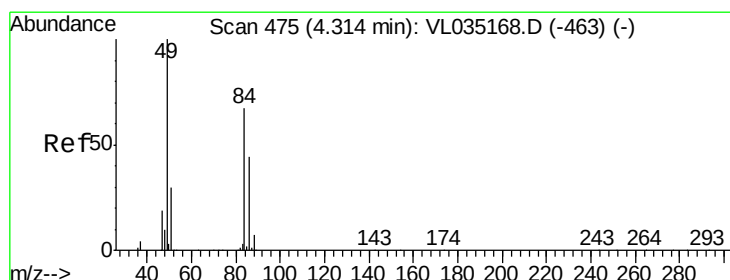
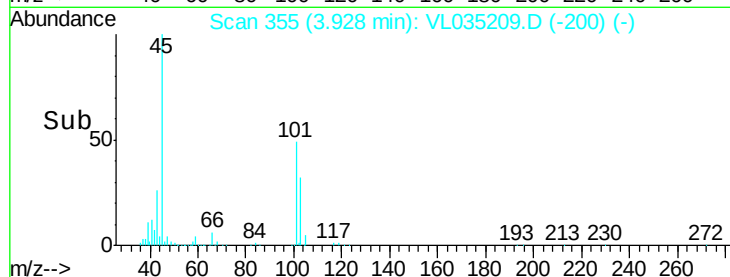
600000

400000

200000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 7.782 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Tgt Ion: 84 Resp: 565027

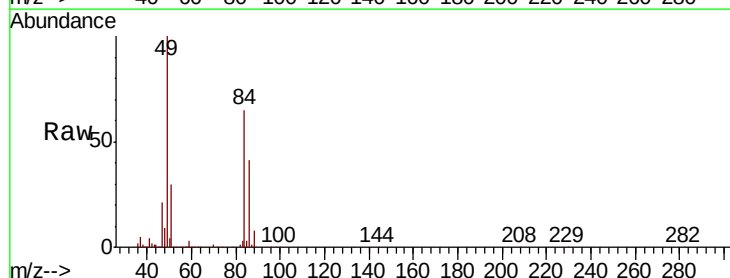
Ion Ratio Lower Upper

84 100

49 152.3 119.4 179.0

51 45.7 36.6 55.0

86 62.9 52.5 78.7



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

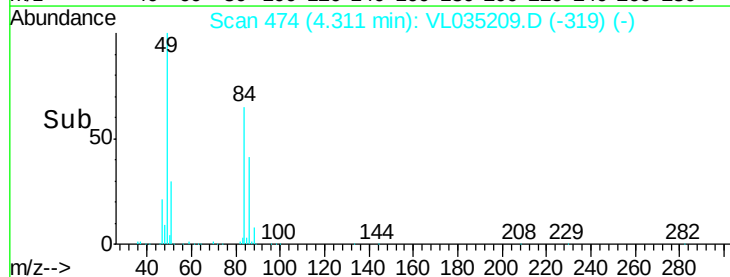
600000

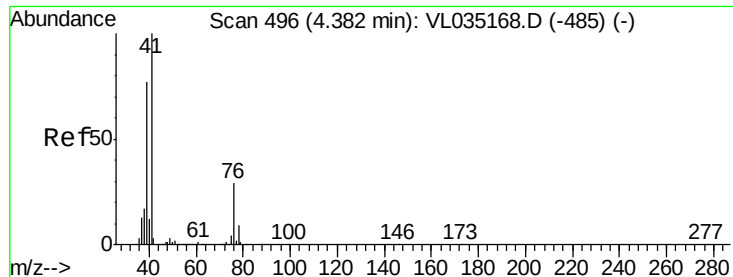
400000

200000

0

Time--> 4.25 4.30 4.35

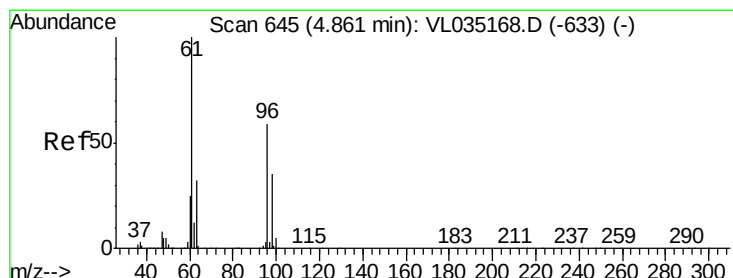
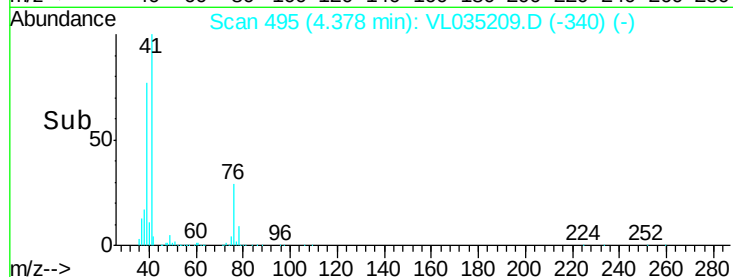
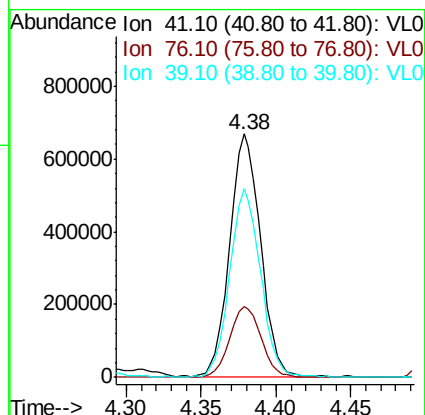
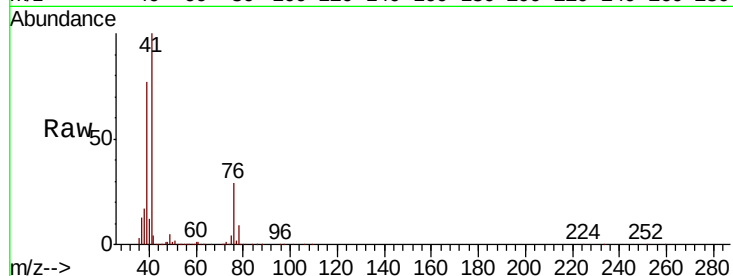




#21
 Allvl Chloride
 Concen: 9.866 ppbv
 RT: 4.38 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

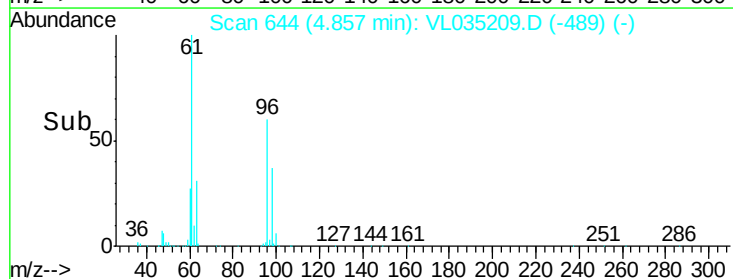
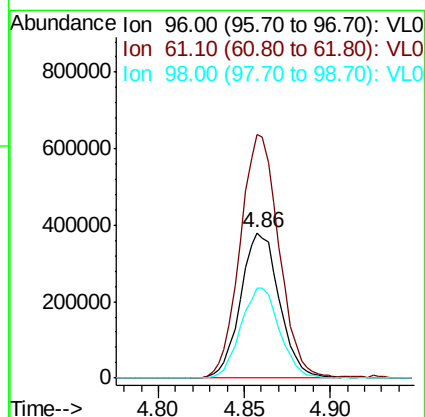
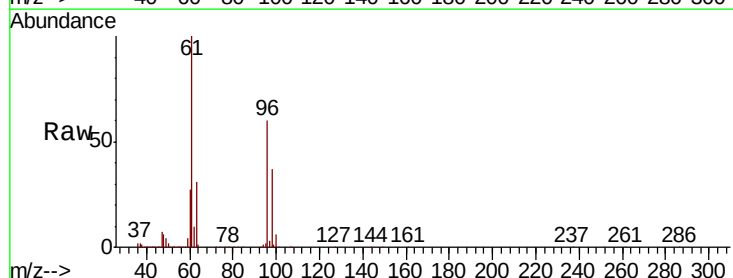
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

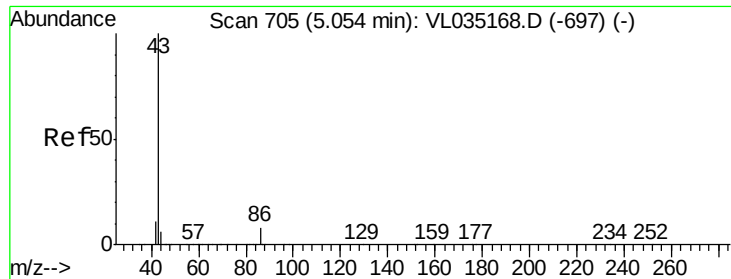
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.9	23.5	35.3
39	77.5	63.4	95.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.818 ppbv
 RT: 4.86 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.4	136.5	204.7
98	62.2	47.5	71.3





#23

Vinyl Acetate

Concen: 9.994 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

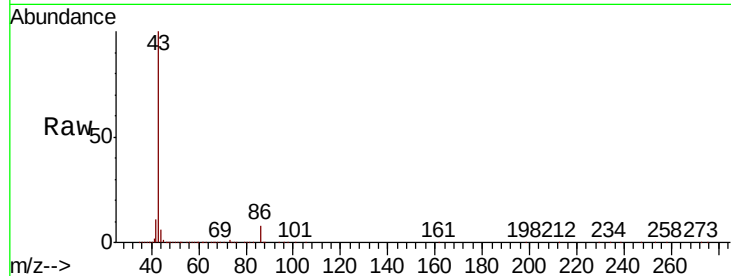
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1805258

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.2
42	10.5	9.1	13.7
44	5.7	4.6	6.8

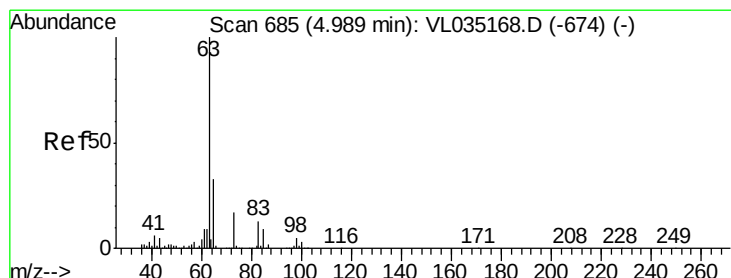
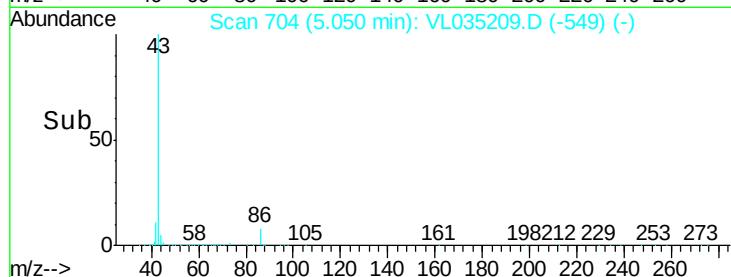


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.480 ppbv

RT: 4.99 min Scan# 684

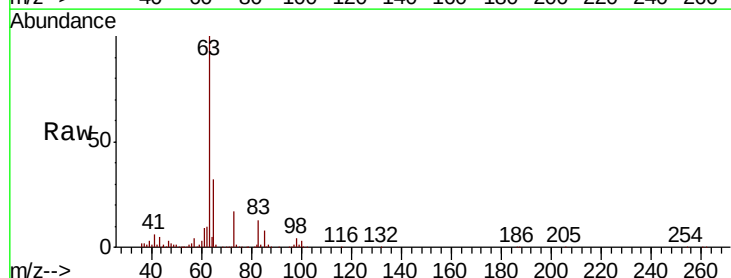
Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Tgt Ion: 63 Resp: 1470573

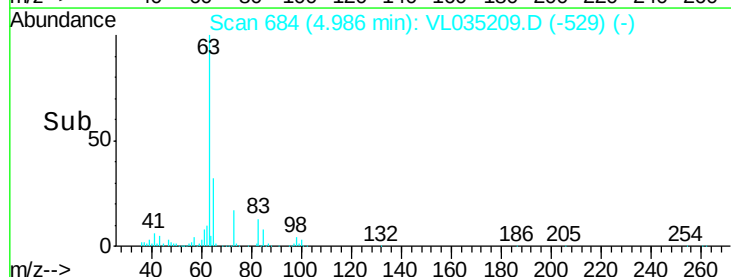
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.1
100	2.6	1.4	4.0

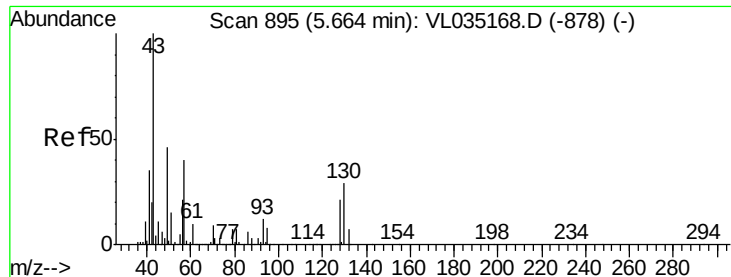


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



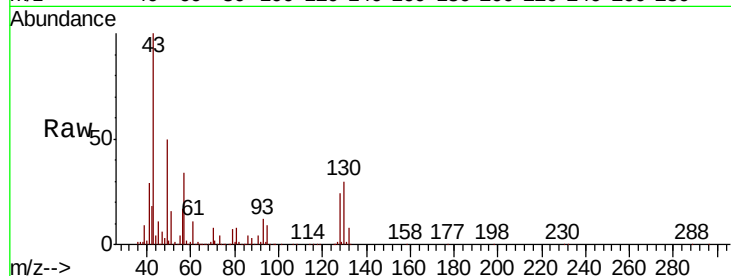


#25
Ethyl Acetate
Concen: 9.776 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2531721

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.5	12.7
61	9.7	8.1	12.1
70	7.6	6.3	9.5



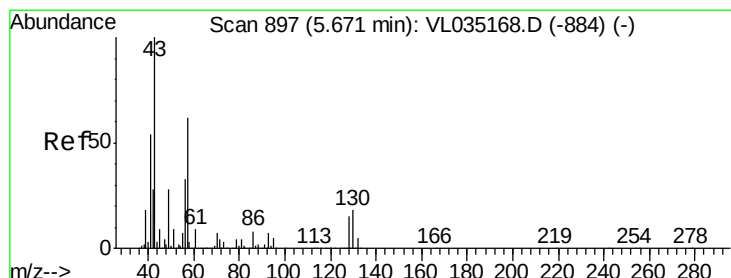
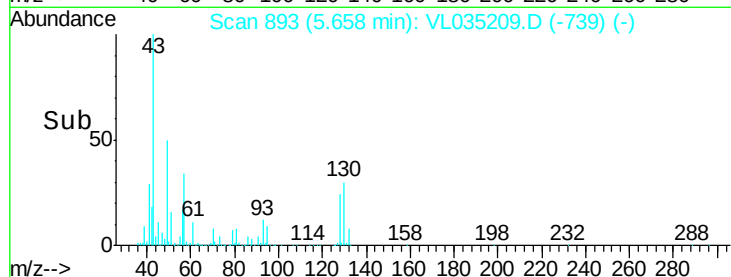
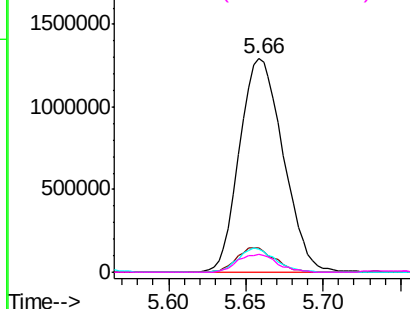
Abundance

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: 10.011 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 57 Resp: 1143052

Ion	Ratio	Lower	Upper
57	100		
41	91.5	72.9	109.3
43	222.2	179.5	269.3
56	53.1	42.9	64.3

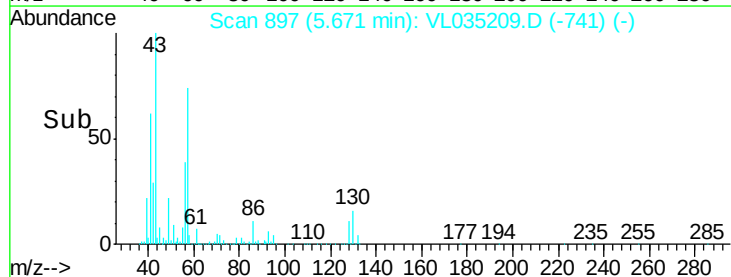
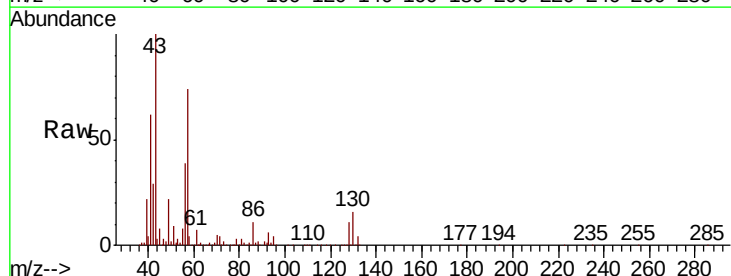
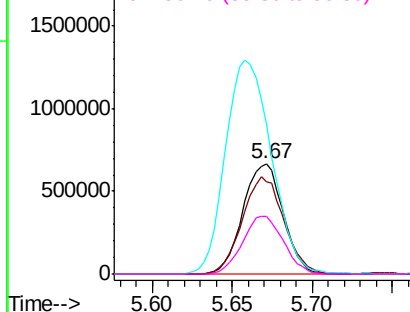
Abundance

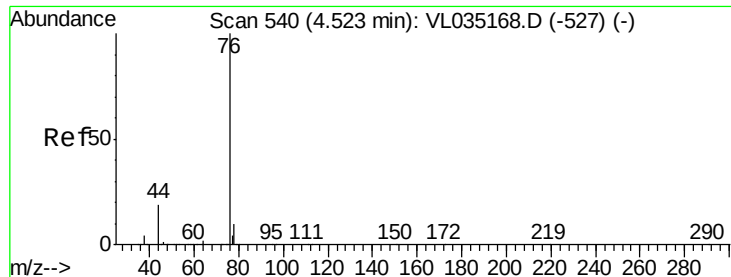
Ion 57.10 (56.80 to 57.80): VL0

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: 9.951 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

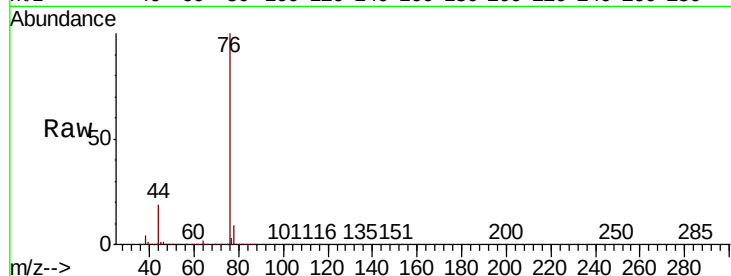
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1586666

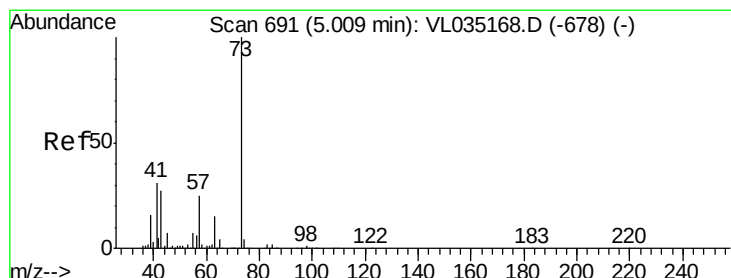
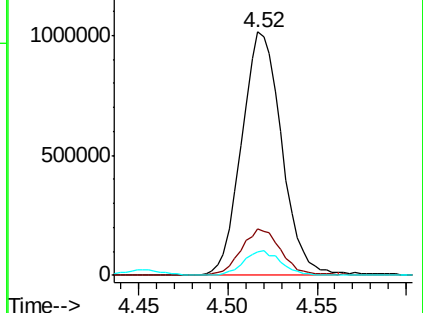
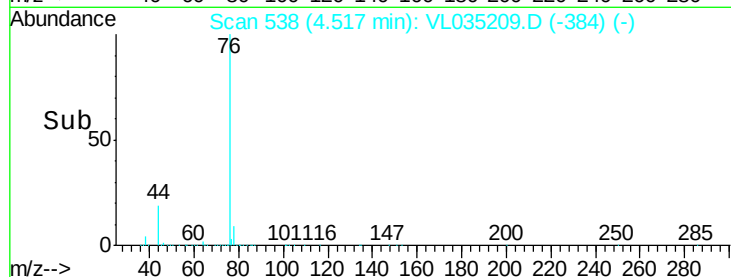
Ion	Ratio	Lower	Upper
76	100		
44	19.2	14.9	22.3
78	9.7	7.5	11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.001 ppbv

RT: 5.01 min Scan# 690

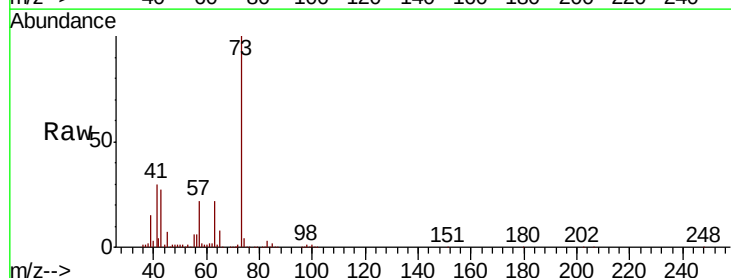
Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

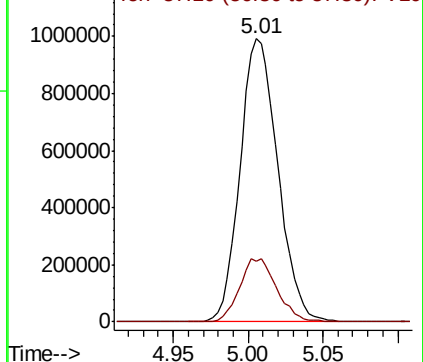
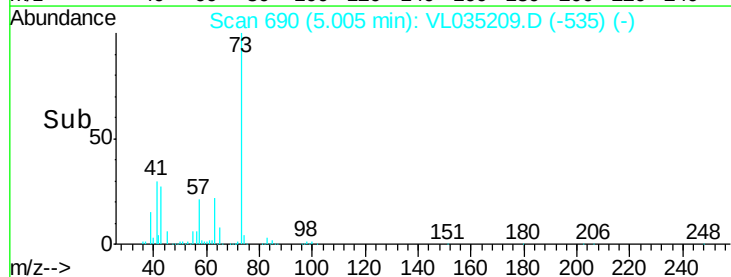
Tgt Ion: 73 Resp: 1739789

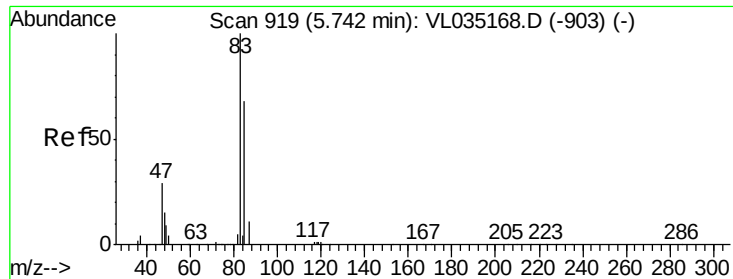
Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.1	27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

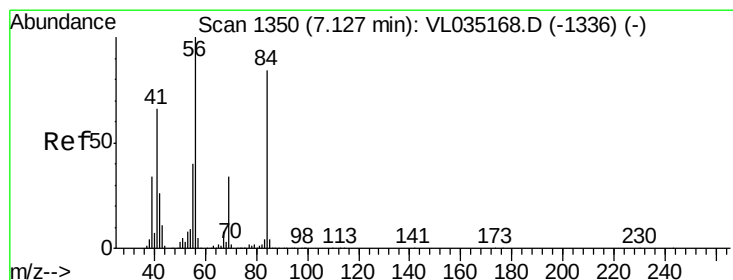
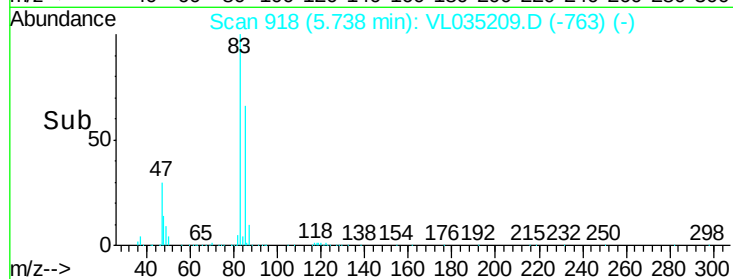
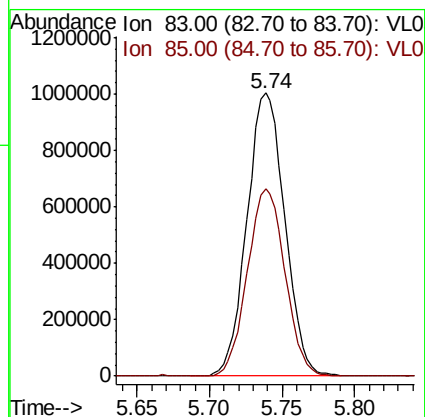
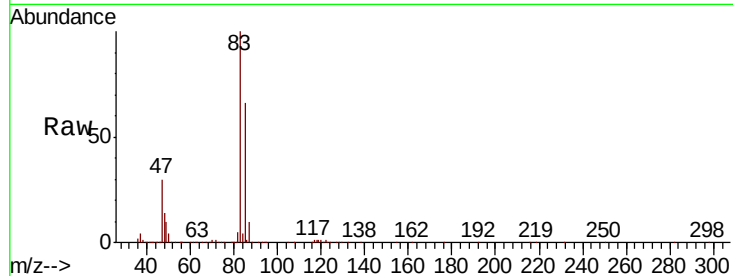




#29
Chloroform
Concen: 9.528 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

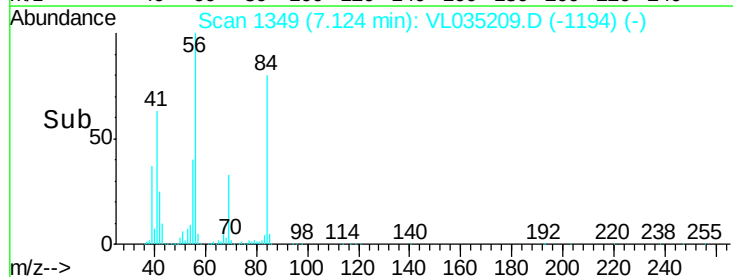
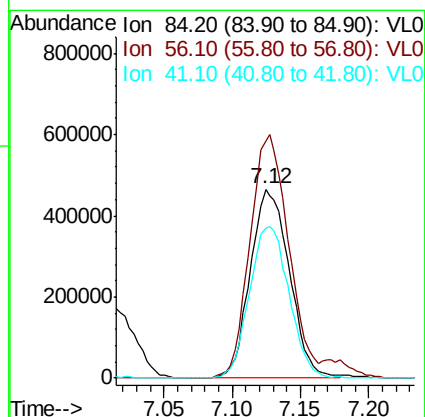
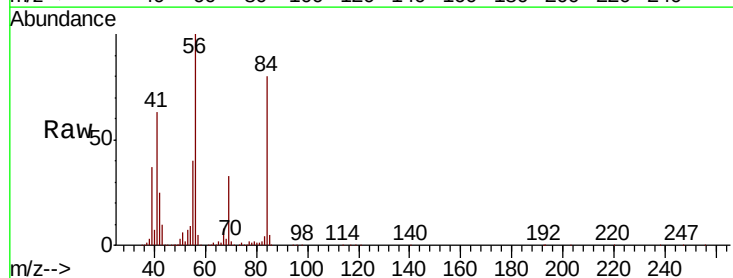
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

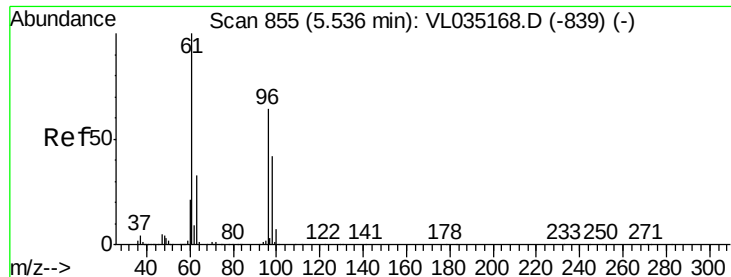
Tot Ion: 83 Resp: 1823854
Ion Ratio Lower Upper
83 100
85 66.1 54.3 81.5



#30
Cyclohexane
Concen: 10.942 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 84 Resp: 924428
Ion Ratio Lower Upper
84 100
56 135.1 105.6 158.4
41 81.8 64.9 97.3



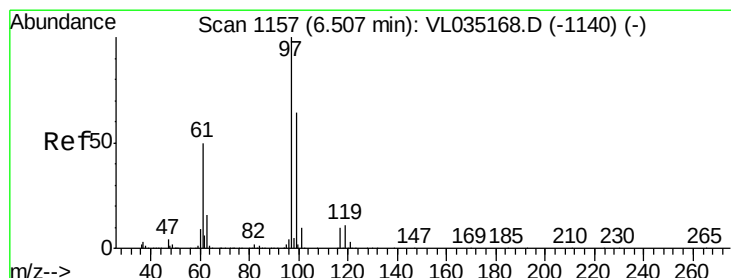
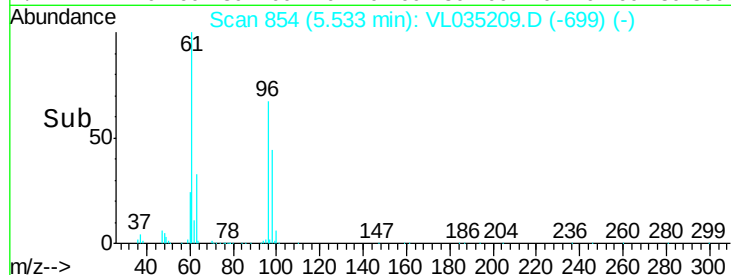
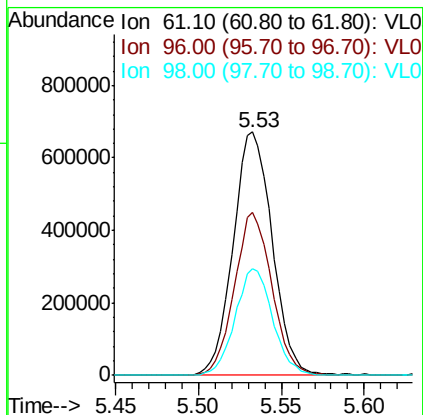
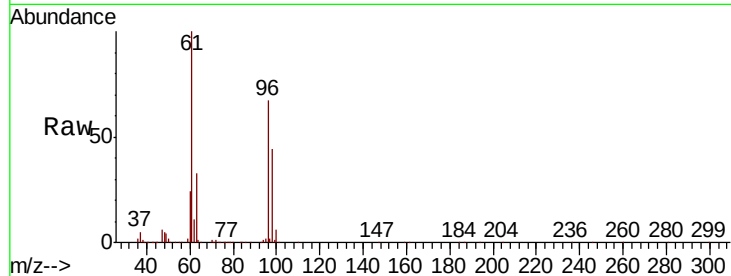


#31

cis-1,2-Dichloroethene
Concen: 10.183 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

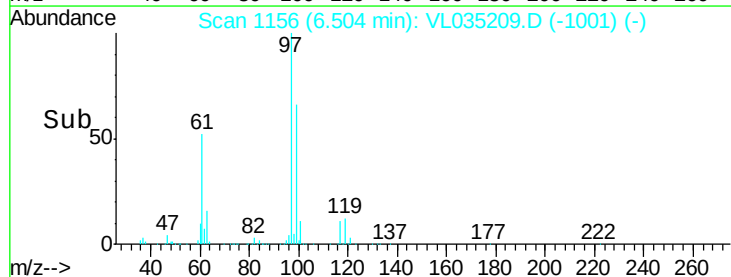
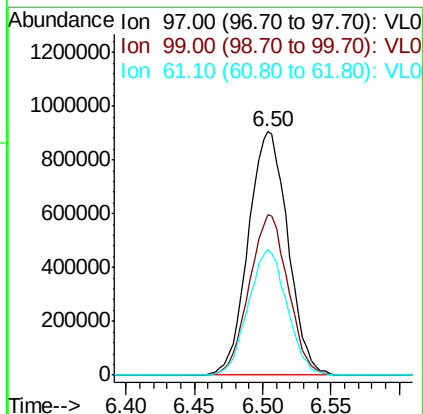
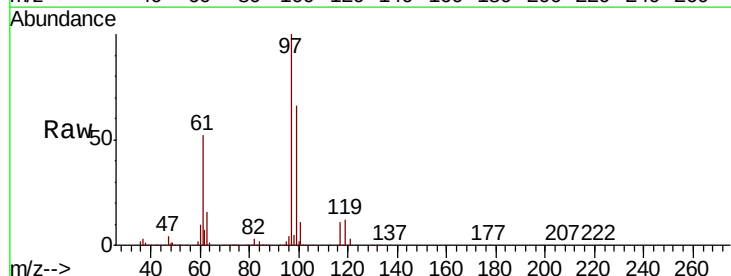
Tot Ion: 61 Resp: 1099723
Ion Ratio Lower Upper
61 100
96 66.9 51.3 76.9
98 43.5 33.8 50.8

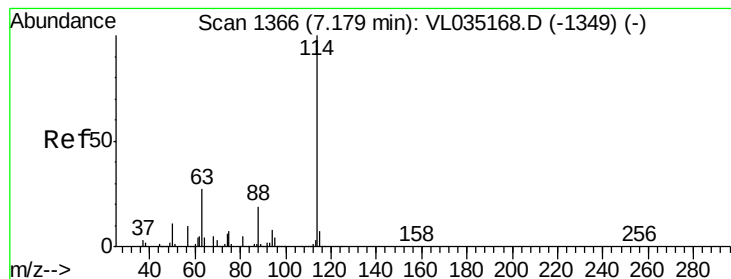


#32

1,1,1-Trichloroethane
Concen: 9.481 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 97 Resp: 1819010
Ion Ratio Lower Upper
97 100
99 64.5 51.2 76.8
61 50.7 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

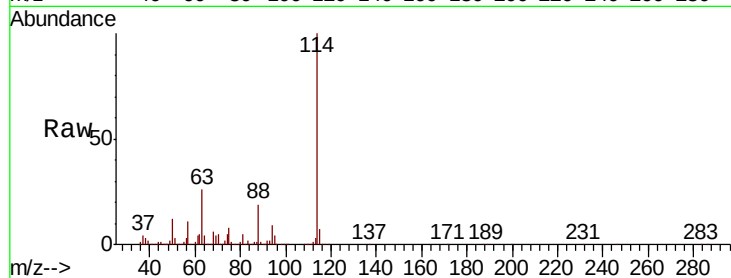
Tot Ion:114 Resp: 2942121

Ion Ratio Lower Upper

114 100

63 27.7 22.0 33.0

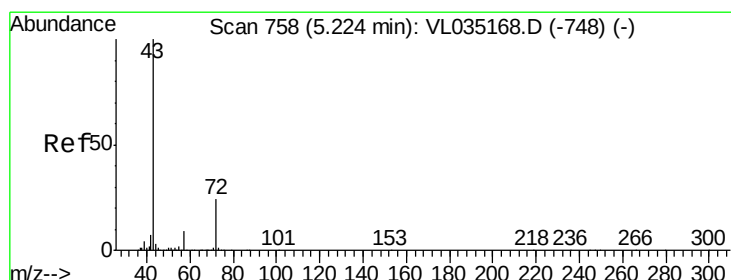
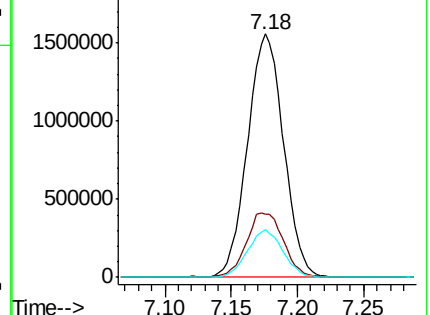
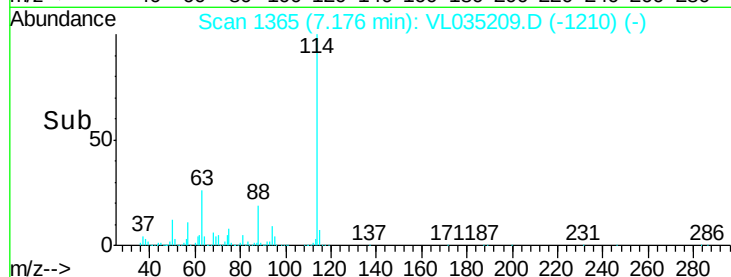
88 19.2 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.771 ppbv

RT: 5.22 min Scan# 757

Delta R.T. -0.00 min

Lab File: VL035209.D

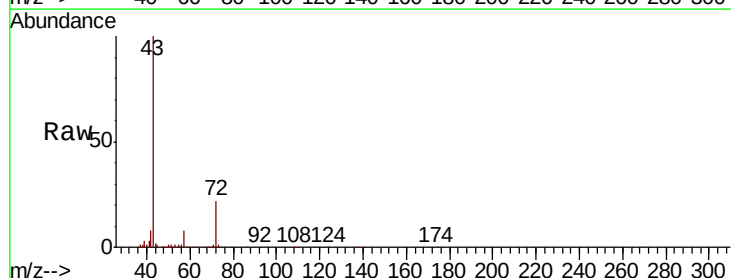
Acq: 21 Jul 2020 10:16

Tgt Ion: 43 Resp: 1534329

Ion Ratio Lower Upper

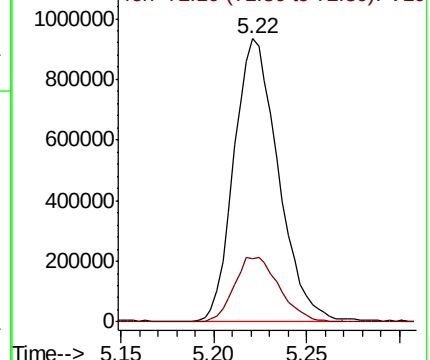
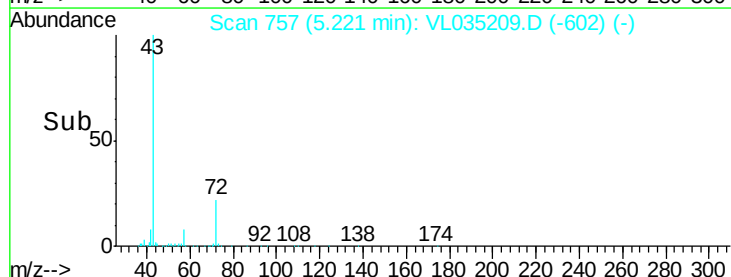
43 100

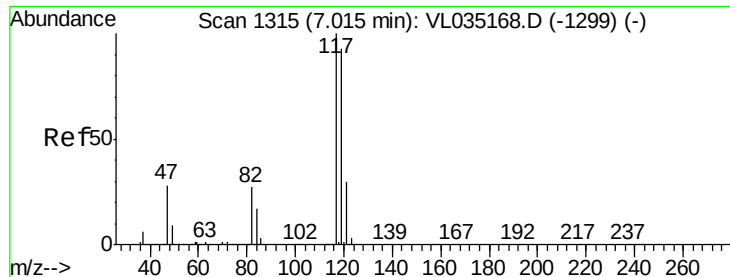
72 23.7 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

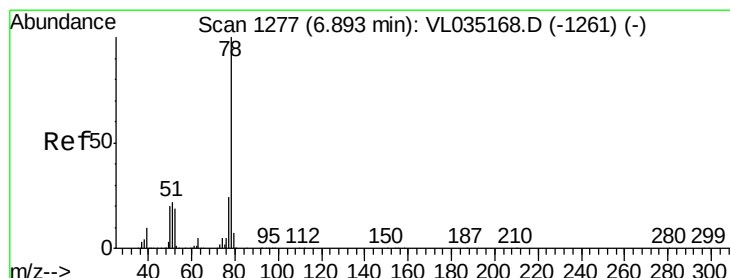
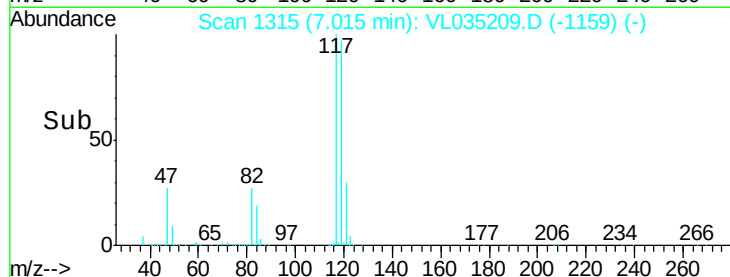
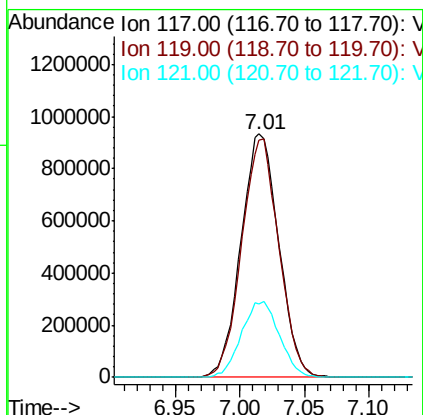
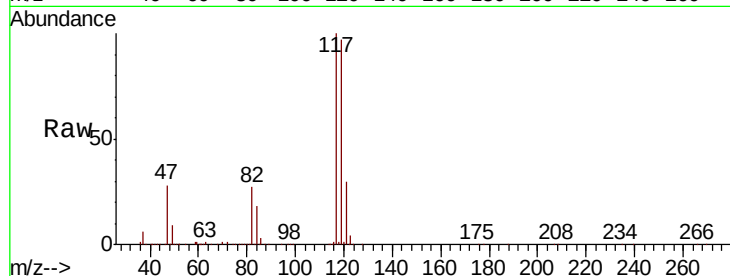




#35
Carbon Tetrachloride
Concen: 9.961 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

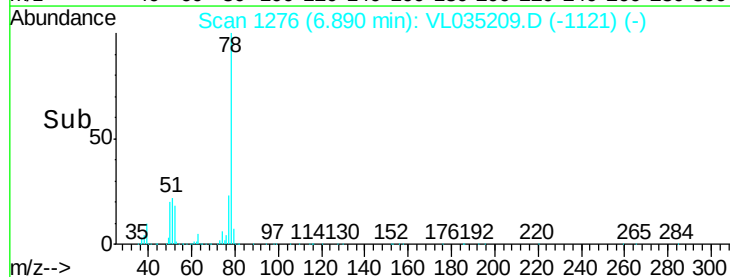
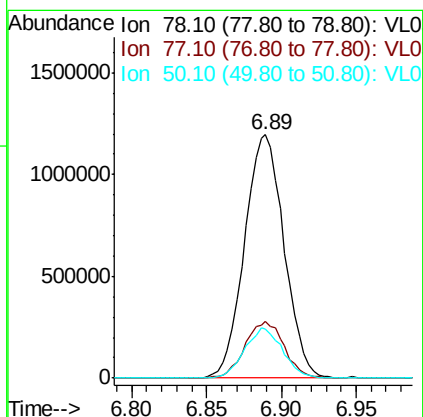
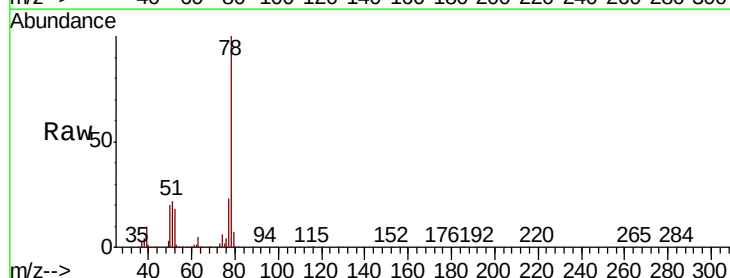
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

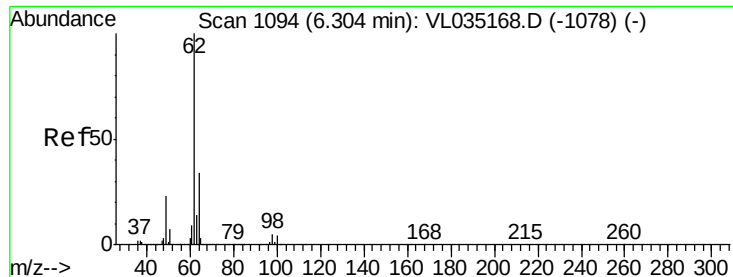
Tot Ion:117 Resp: 1902306
Ion Ratio Lower Upper
117 100
119 97.2 74.8 112.2
121 30.2 24.2 36.2



#36
Benzene
Concen: 10.320 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 78 Resp: 2197560
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9
50 19.9 16.0 24.0

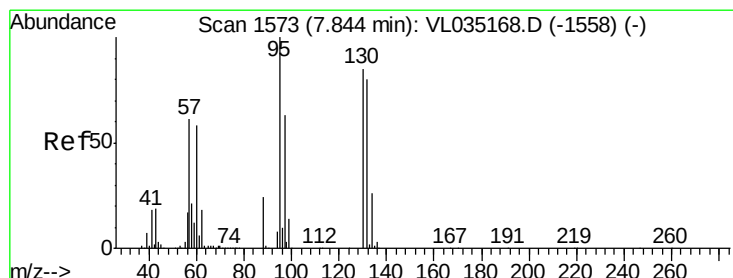
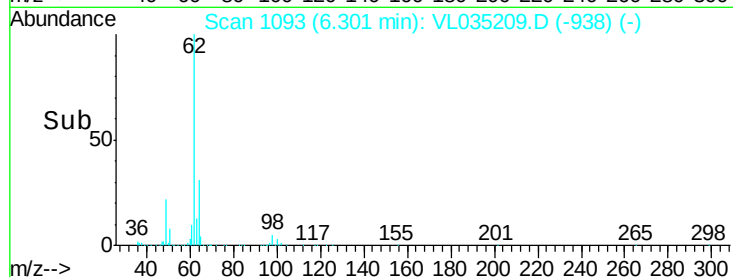
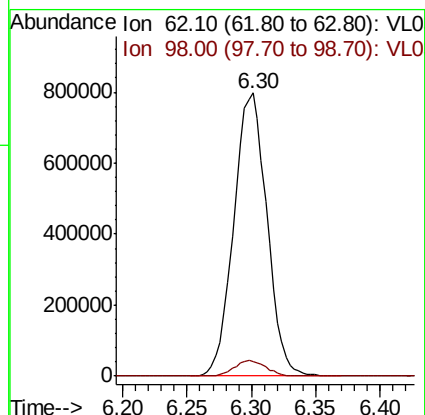
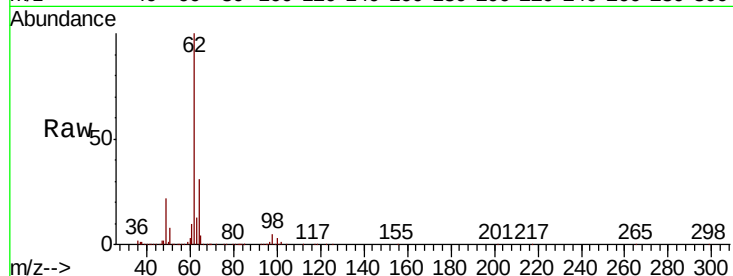




#37
 1,2-Dichloroethane
 Concen: 9.993 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

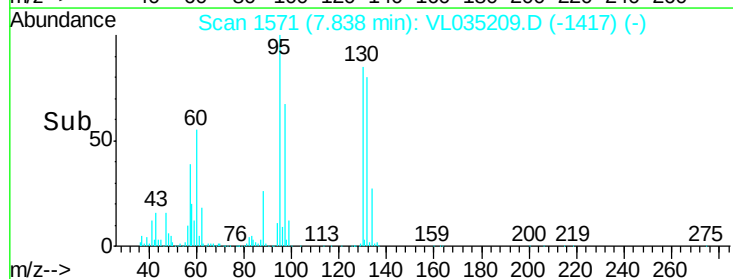
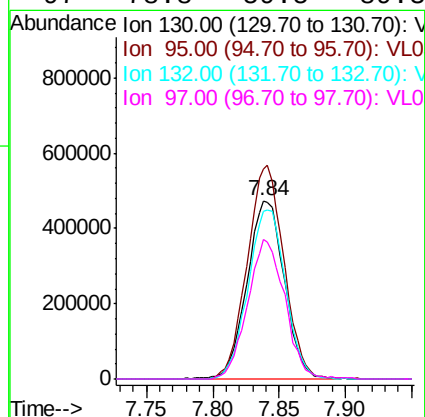
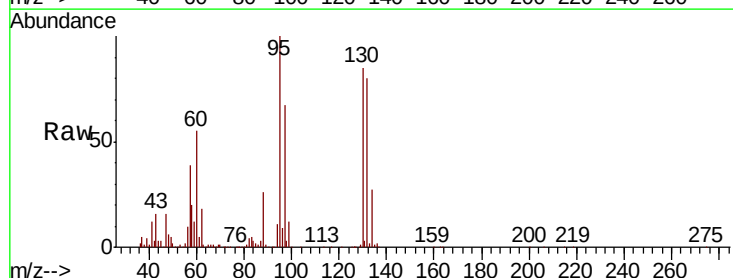
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

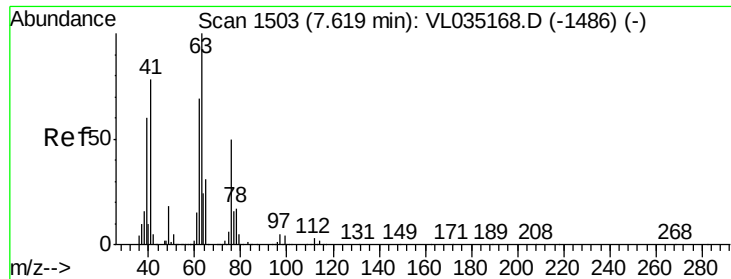
Tot Ion: 62 Resp: 1428011
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.6 6.8



#38
 Trichloroethene
 Concen: 10.589 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

Tgt Ion: 130 Resp: 918790
 Ion Ratio Lower Upper
 130 100
 95 118.0 93.8 140.8
 132 94.2 75.0 112.4
 97 78.8 59.5 89.3





#39

1,2-Dichloropropane

Concen: 10.279 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

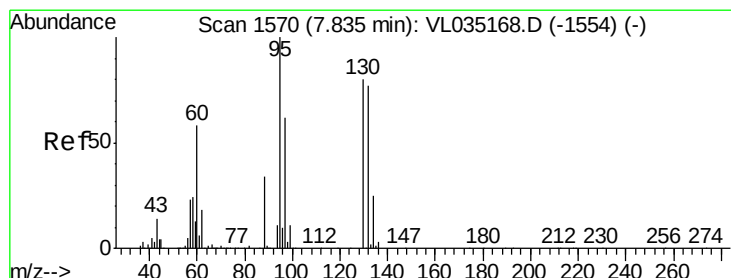
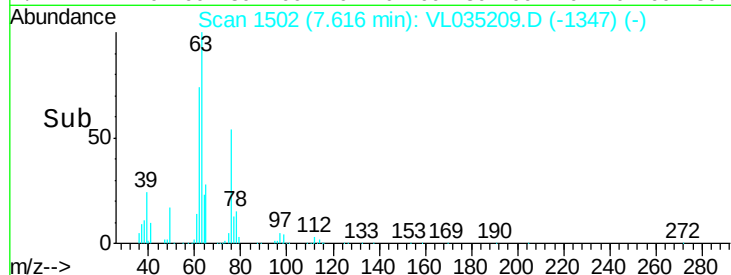
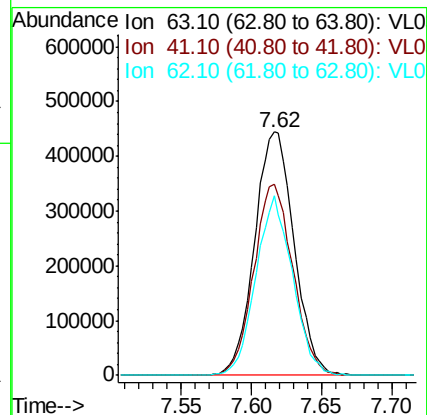
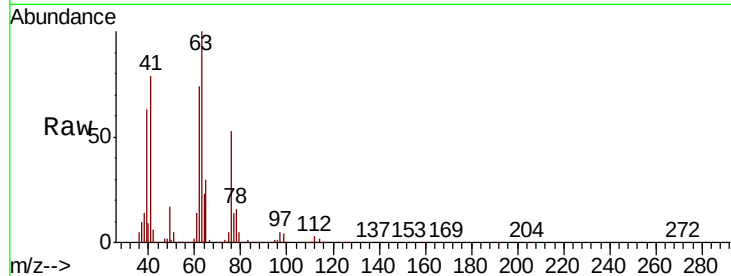
Tot Ion: 63 Resp: 870448

Ion Ratio Lower Upper

63 100

41 78.6 62.6 94.0

62 73.5 55.0 82.6



#40

1,4-Dioxane

Concen: 10.423 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Tgt Ion: 88 Resp: 351367

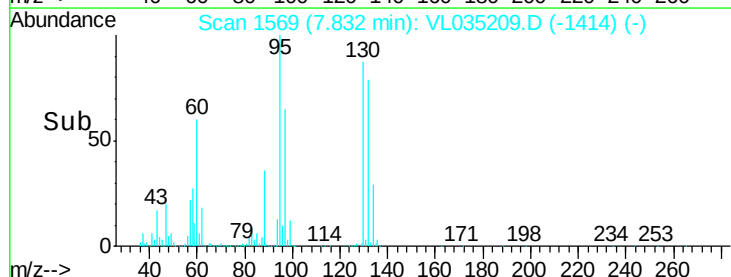
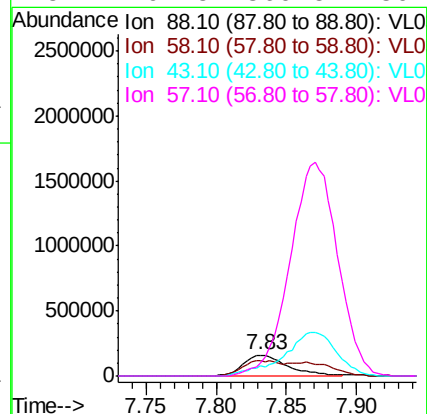
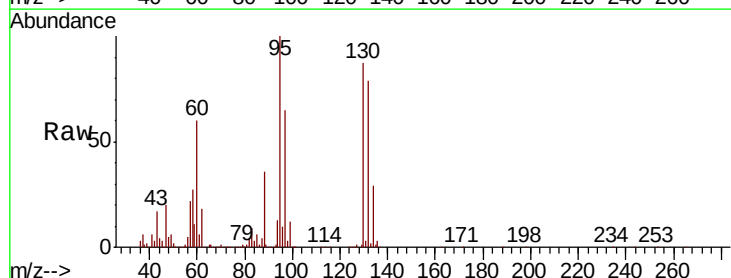
Ion Ratio Lower Upper

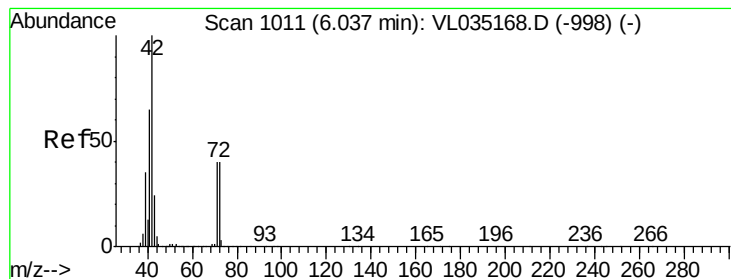
88 100

58 129.5 100.2 150.4

43 250.4 199.8 299.8

57 1104.5 869.5 1304.3





#41

Tetrahydrofuran

Concen: 10.785 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

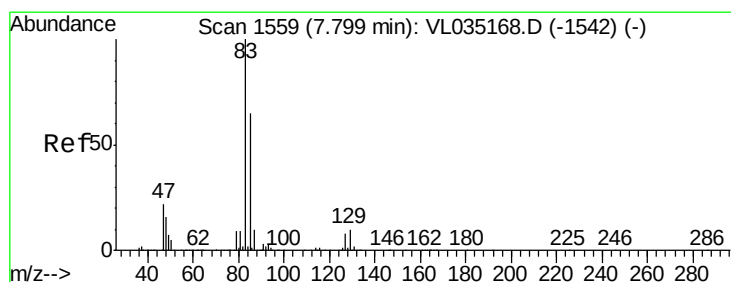
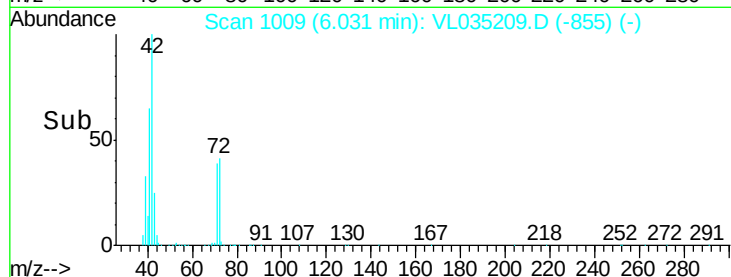
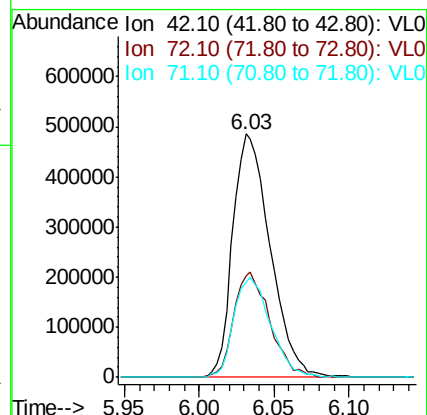
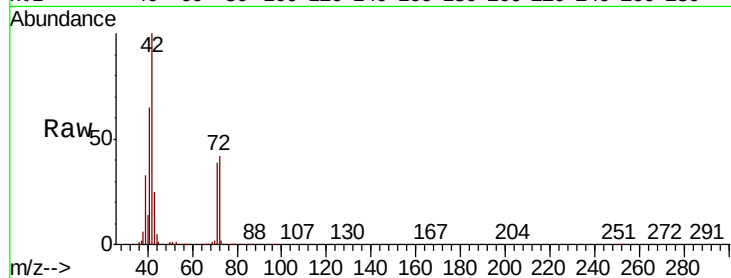
Tot Ion: 42 Resp: 847460

Ion Ratio Lower Upper

42 100

72 41.9 33.4 50.2

71 40.6 31.9 47.9



#42

Bromodichloromethane

Concen: 10.271 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

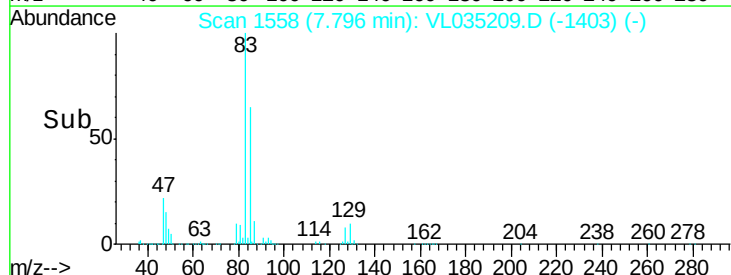
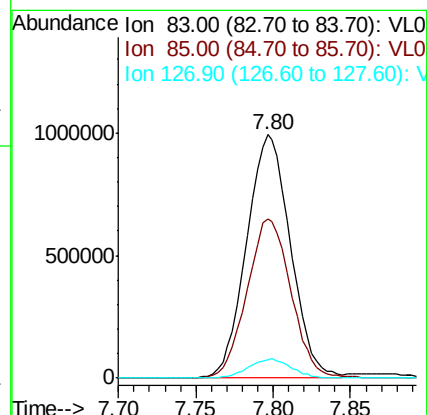
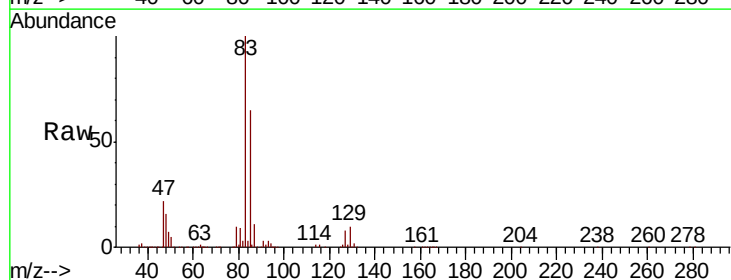
Tgt Ion: 83 Resp: 1959969

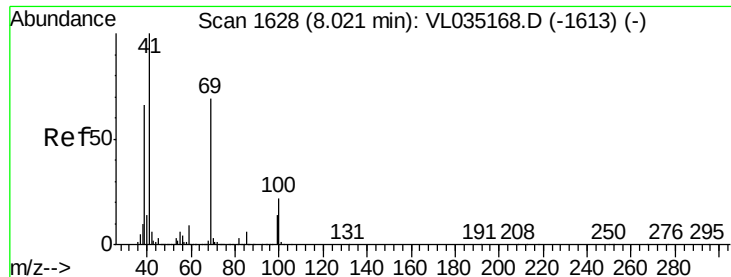
Ion Ratio Lower Upper

83 100

85 65.1 52.2 78.4

127 7.6 6.3 9.5

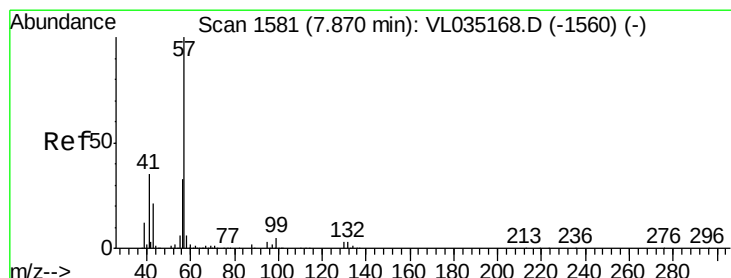
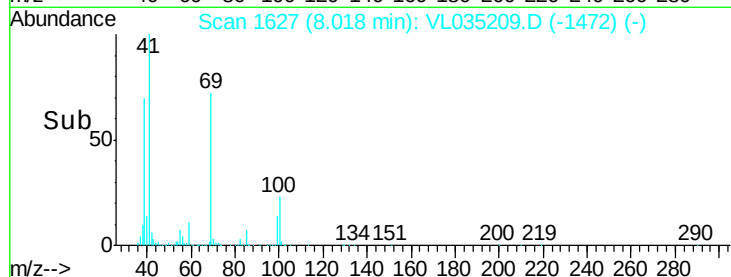
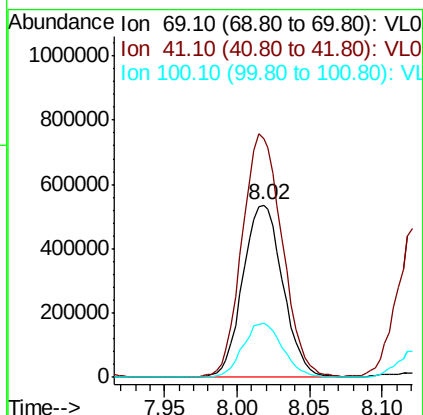
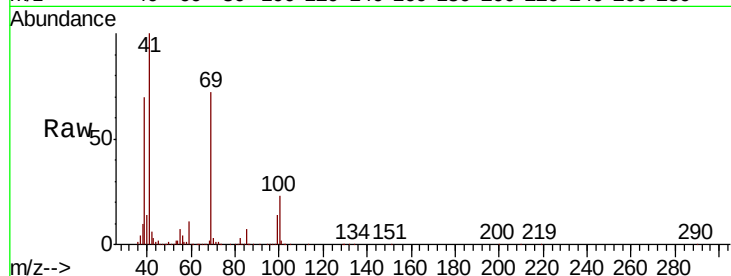




#43
Methyl Methacrylate
Concen: 11.436 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

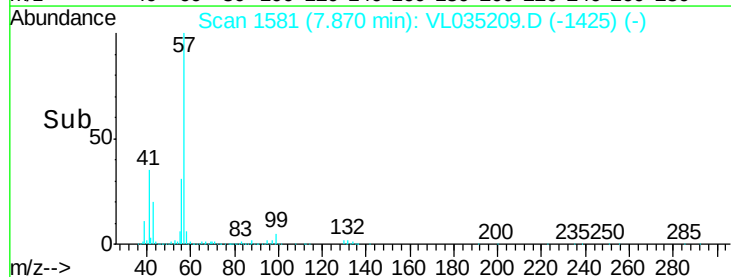
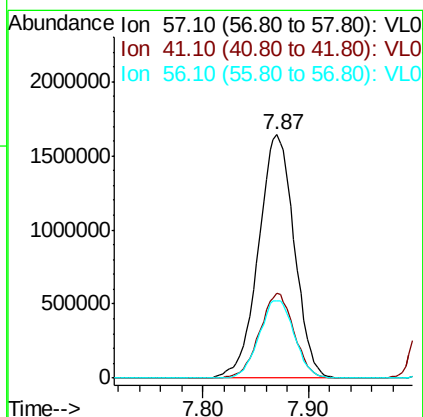
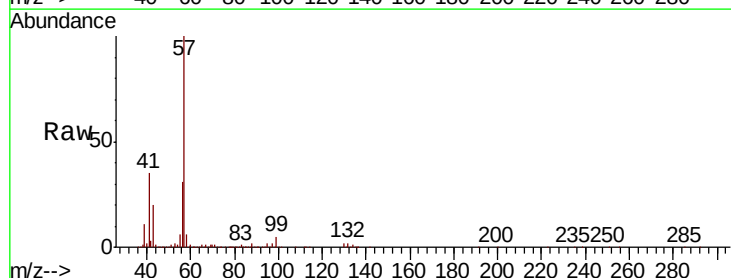
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

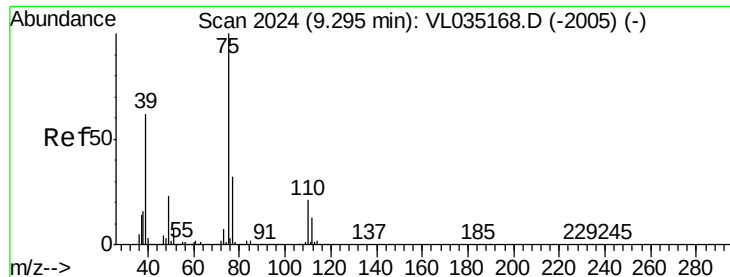
Tot Ion: 69 Resp: 1029383
Ion Ratio Lower Upper
69 100
41 141.9 116.3 174.5
100 31.5 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.539 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 57 Resp: 3873765
Ion Ratio Lower Upper
57 100
41 33.5 27.0 40.6
56 31.6 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 12.188 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

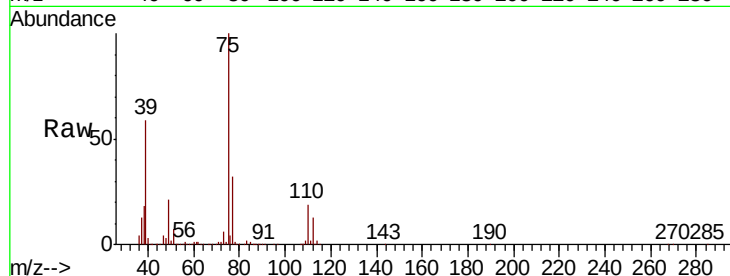
VSTDCCC010

Tot Ion: 75 Resp: 1152653

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

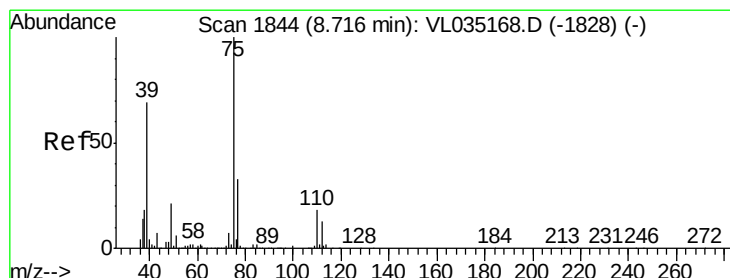
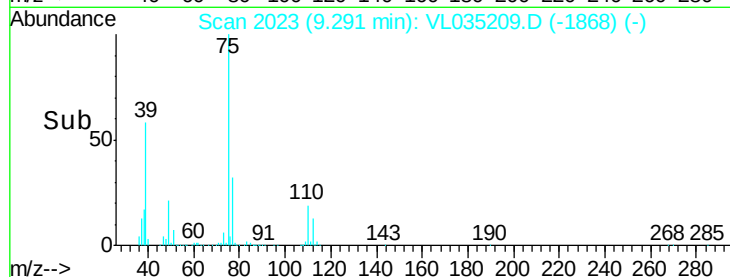
600000

400000

200000

0

Time--> 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 12.110 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

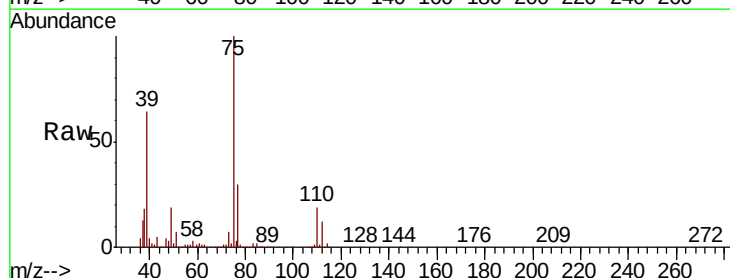
Tgt Ion: 75 Resp: 1357712

Ion Ratio Lower Upper

75 100

39 63.9 55.2 82.8

77 30.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

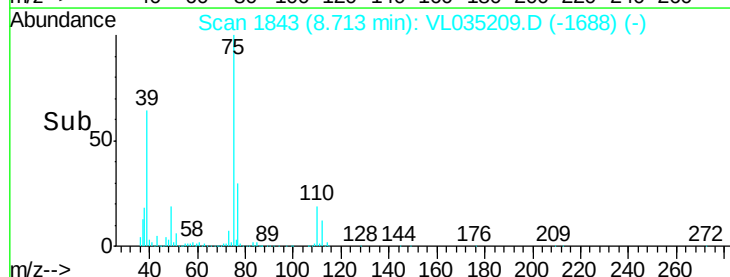
600000

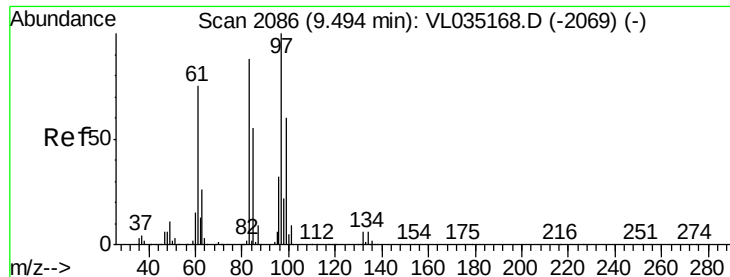
400000

200000

0

Time--> 8.65 8.70 8.75 8.80

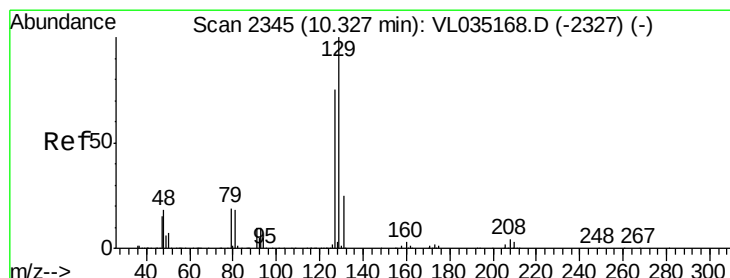
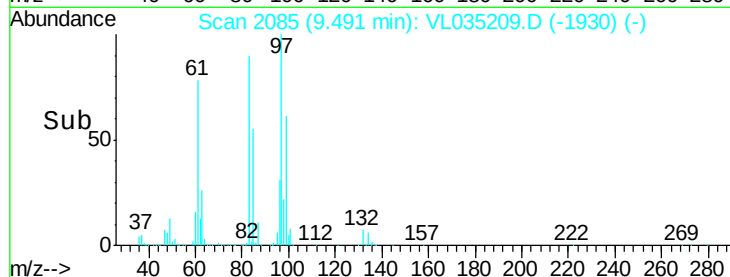
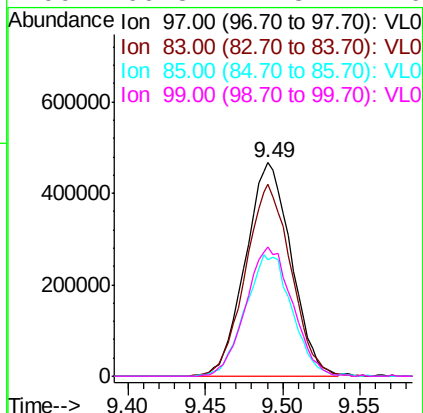
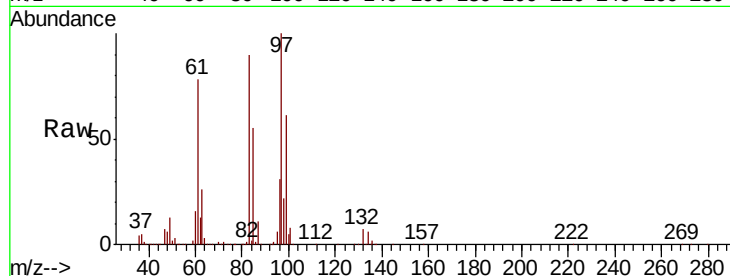




#47
 1,1,2-Trichloroethane
 Concen: 10.395 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

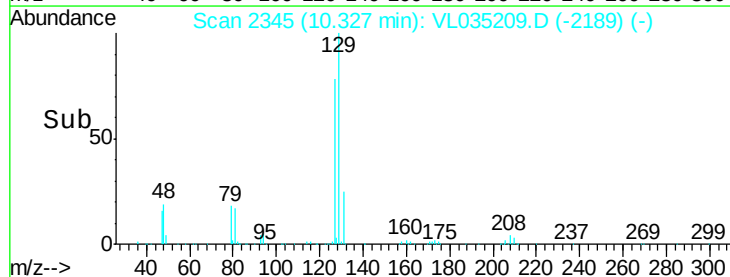
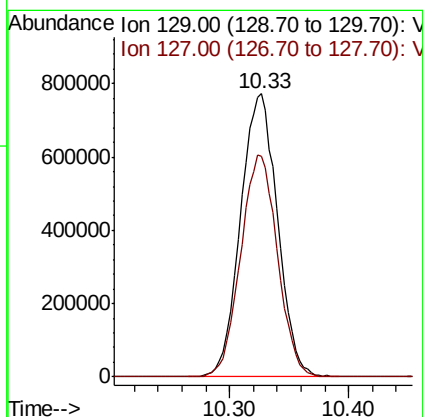
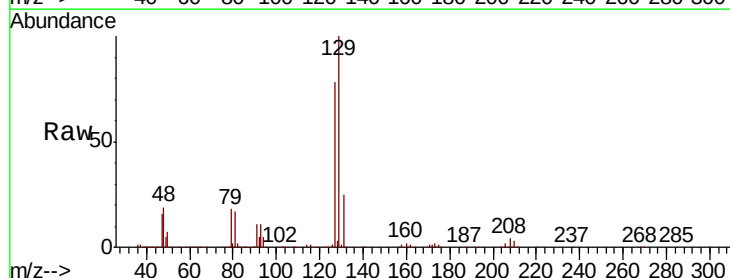
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

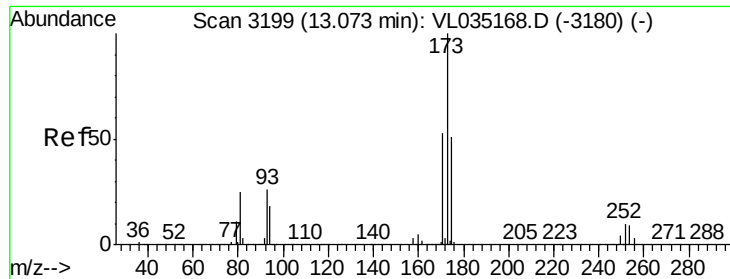
Tot Ion:	97	Resp:	963517
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.3	105.5
85	54.8	44.3	66.5
99	60.8	47.8	71.6



#48
 Dibromochloromethane
 Concen: 11.017 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

Tgt Ion:	129	Resp:	1661562
Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.8	116.3





#49

Bromoform

Concen: 11.075 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

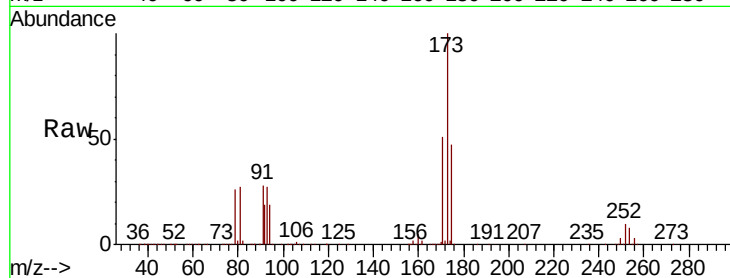
Tot Ion:173 Resp: 1461059

Ion Ratio Lower Upper

173 100

175 48.9 39.7 59.5

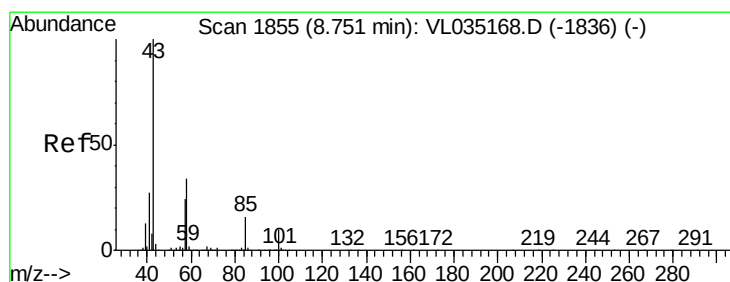
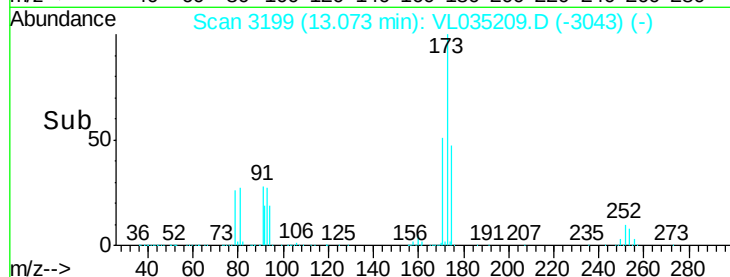
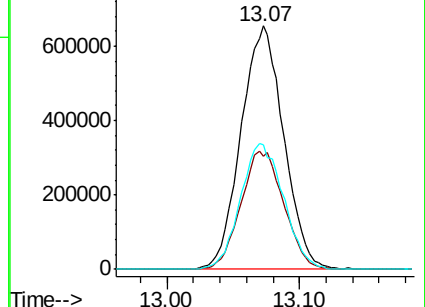
171 52.6 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.677 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VL035209.D

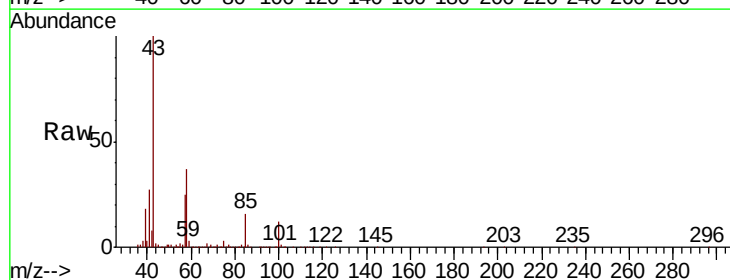
Acq: 21 Jul 2020 10:16

Tgt Ion: 43 Resp: 2406319

Ion Ratio Lower Upper

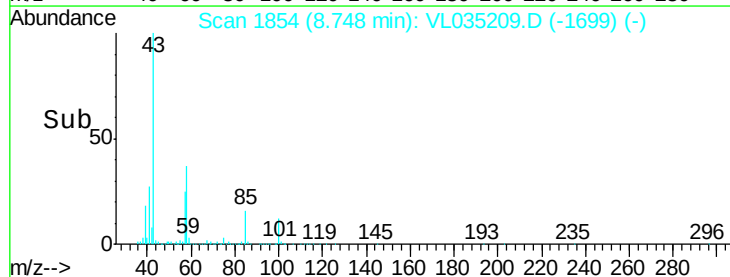
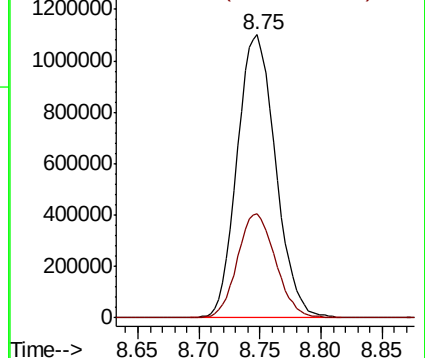
43 100

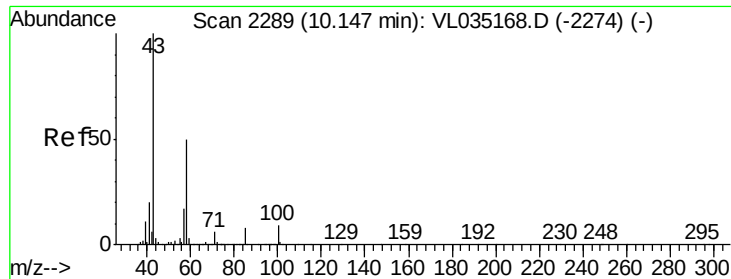
58 36.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

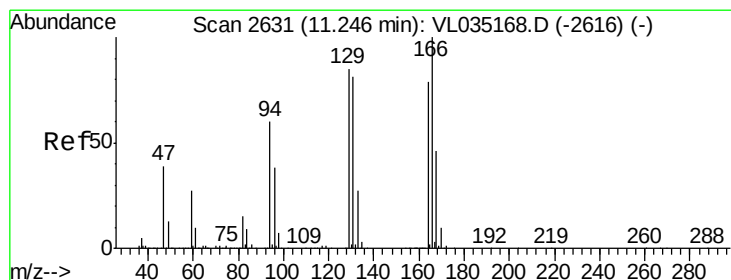
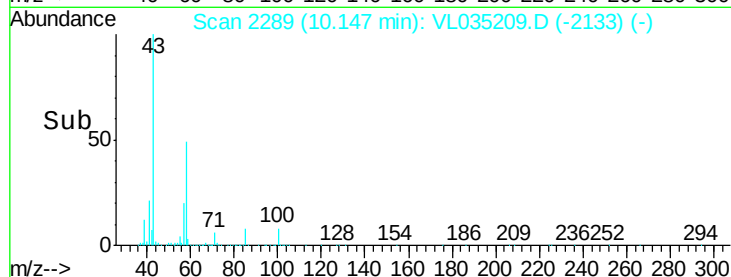
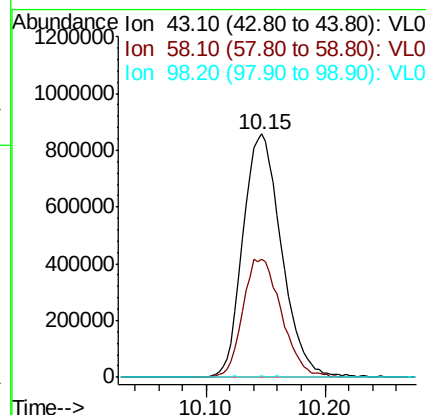
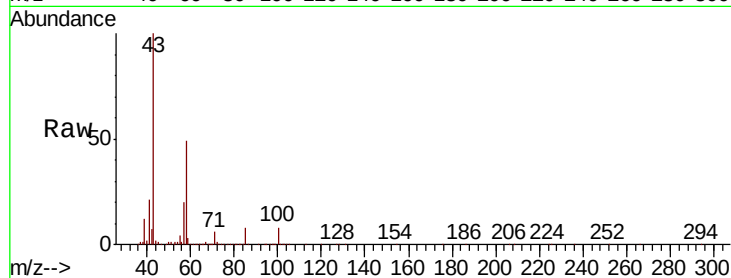




#51
2-Hexanone
Concen: 11.184 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

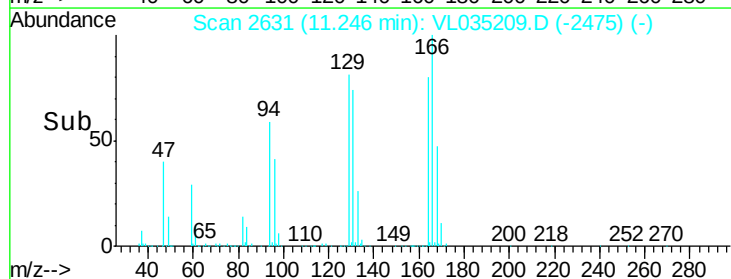
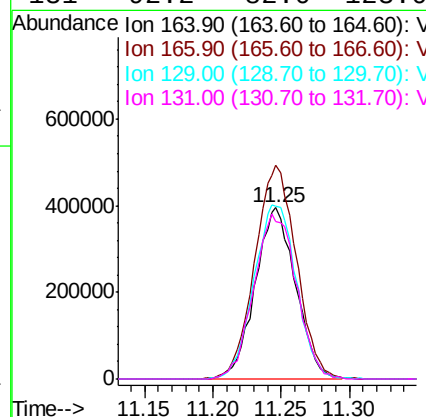
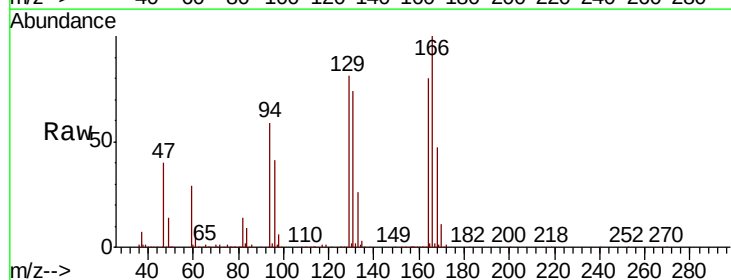
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

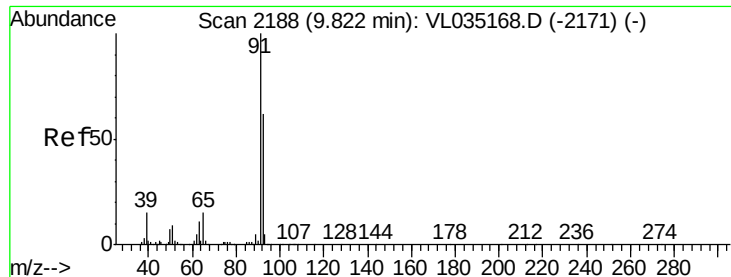
Tot Ion: 43 Resp: 1921913
Ion Ratio Lower Upper
43 100
58 49.0 39.4 59.0
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.228 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 164 Resp: 813425
Ion Ratio Lower Upper
164 100
166 124.9 100.7 151.1
129 101.3 85.8 128.6
131 92.2 82.0 123.0





#53

Toluene

Concen: 11.673 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

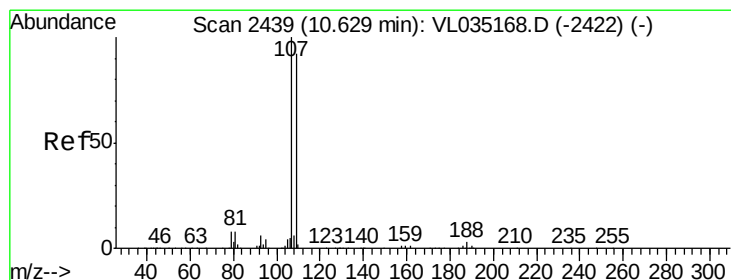
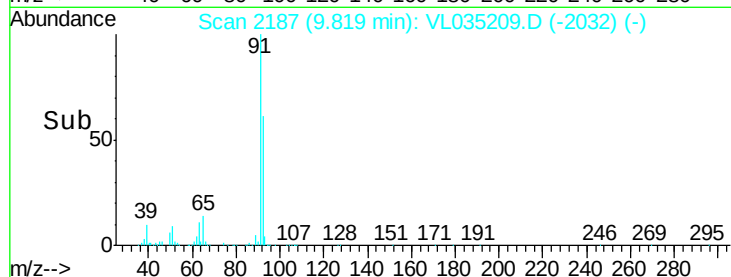
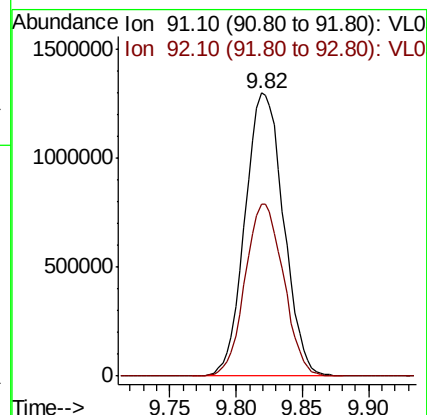
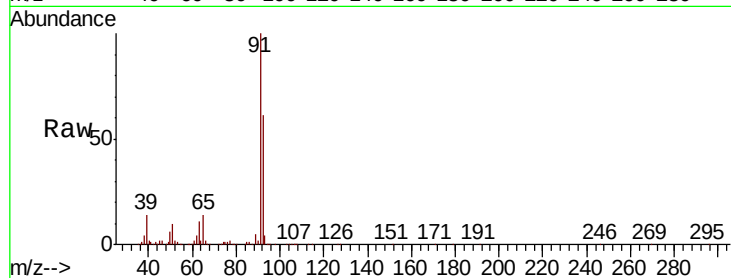
VSTDCCC010

Tot Ion: 91 Resp: 2623295

Ion Ratio Lower Upper

91 100

92 60.4 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.562 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035209.D

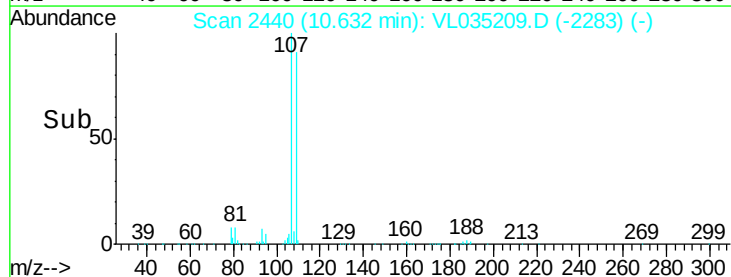
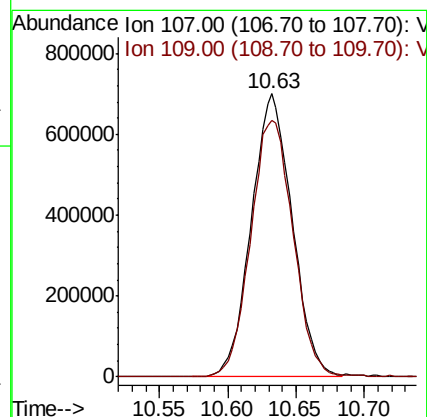
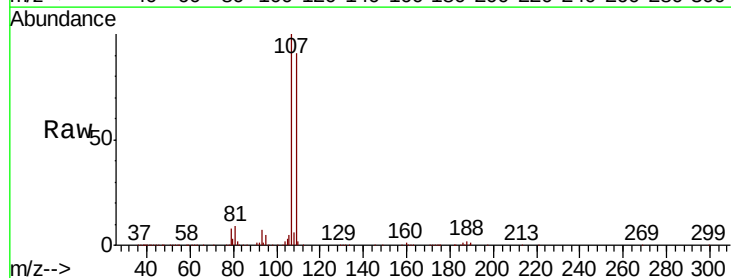
Acq: 21 Jul 2020 10:16

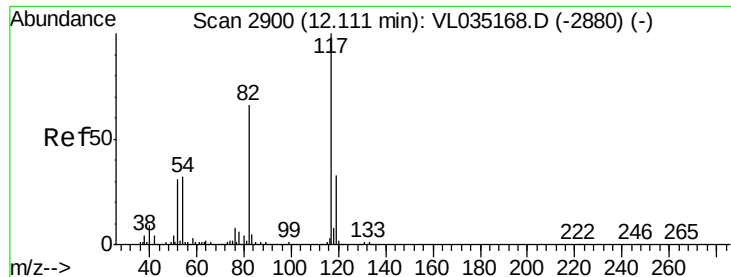
Tgt Ion: 107 Resp: 1452804

Ion Ratio Lower Upper

107 100

109 90.5 74.0 111.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

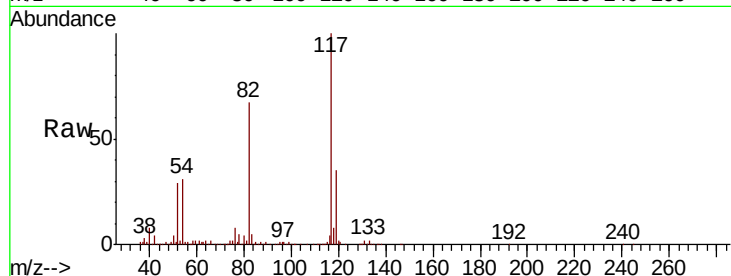
Tot Ion:117 Resp: 2797994

Ion Ratio Lower Upper

117 100

82 68.6 52.3 78.5

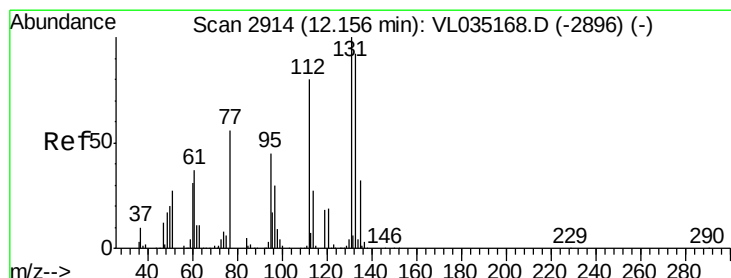
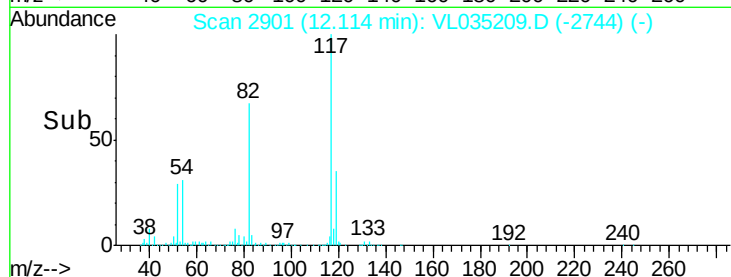
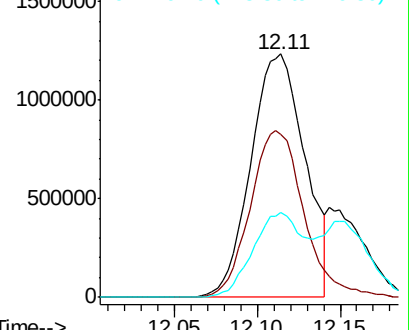
119 35.5 24.9 37.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.263 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

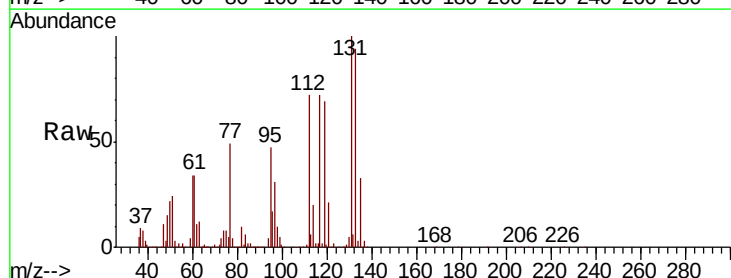
Tgt Ion:131 Resp: 1272224

Ion Ratio Lower Upper

131 100

133 94.7 75.4 113.2

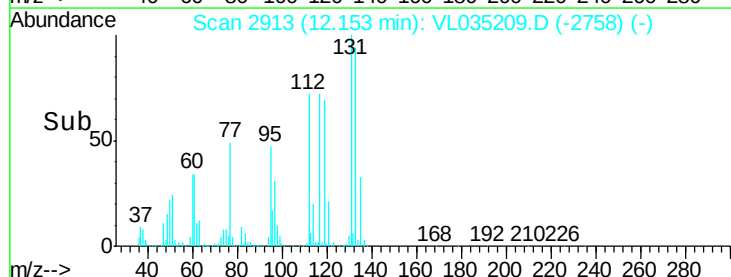
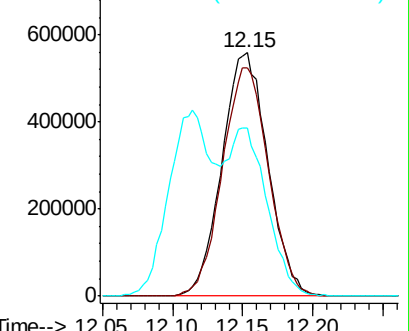
119 64.6 42.4 63.6#

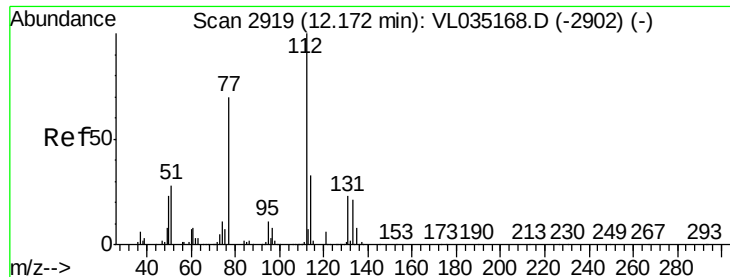


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

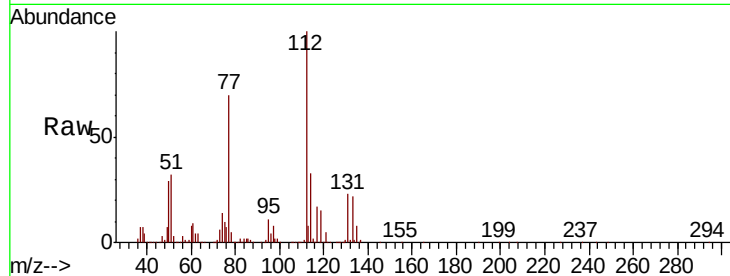




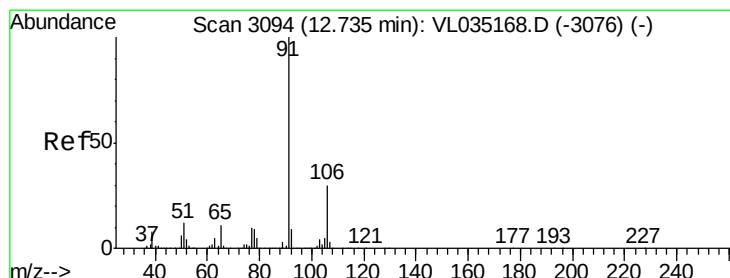
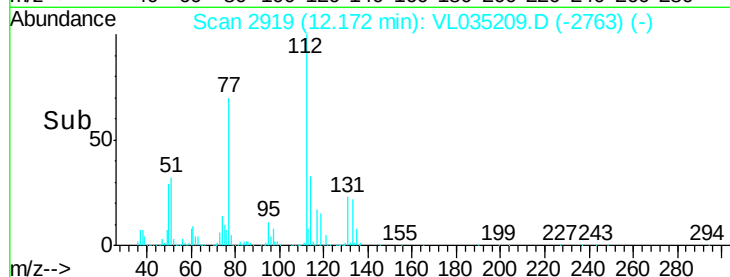
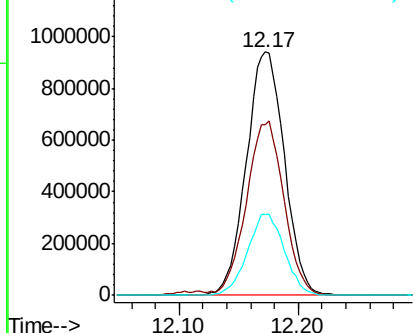
#57
Chlorobenzene
Concen: 10.115 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 2085882
Ion Ratio Lower Upper
112 100
77 69.9 57.0 85.4
114 33.3 30.2 37.0

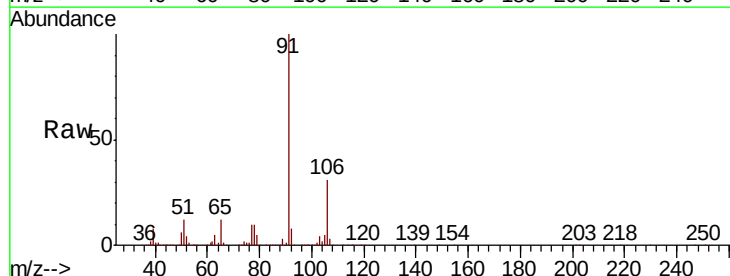


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

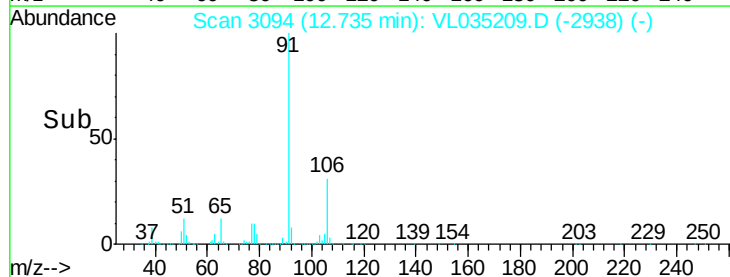
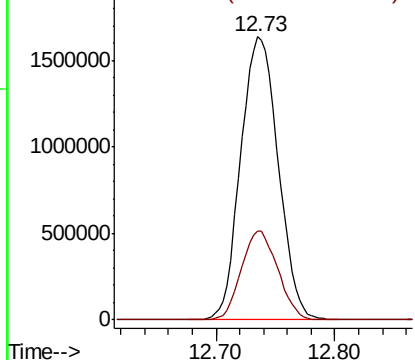


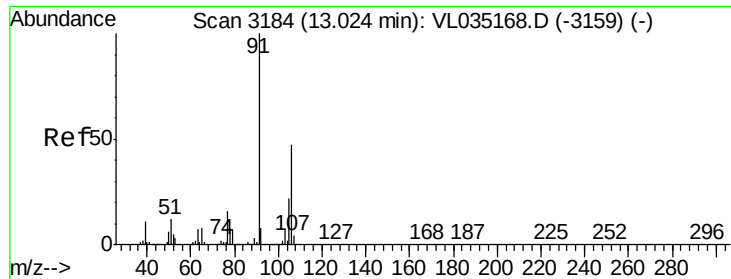
#58
Ethyl Benzene
Concen: 11.576 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 91 Resp: 3580074
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.2



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

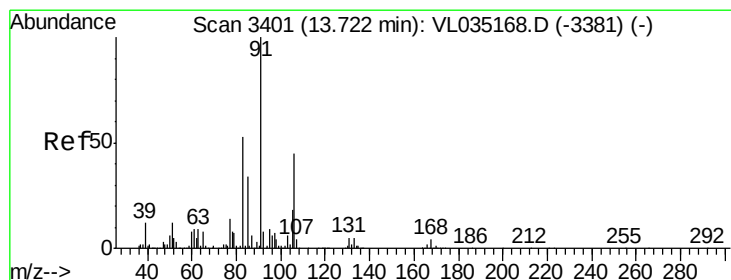
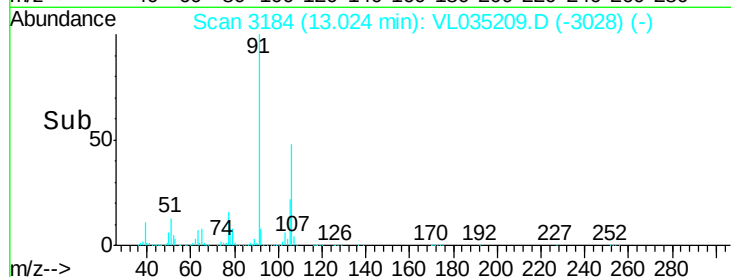
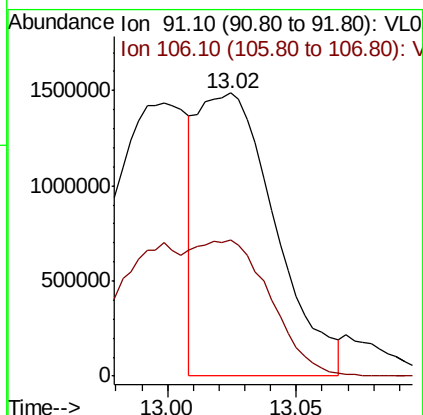
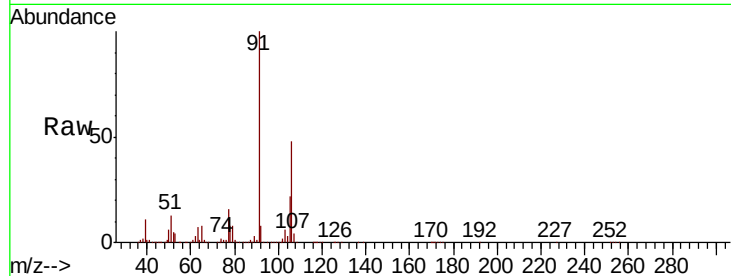




#59
m/p-Xylene
Concen: 11.194 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

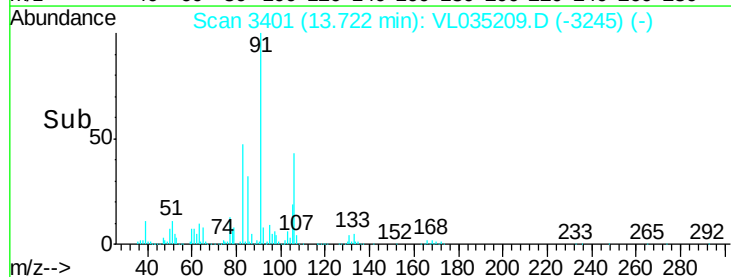
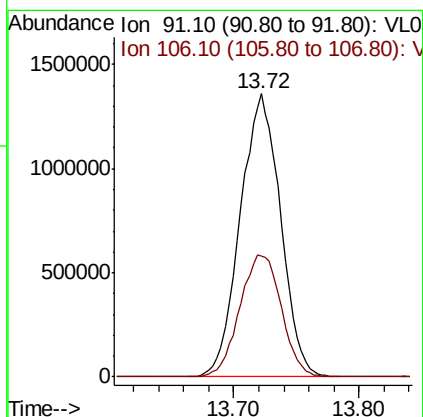
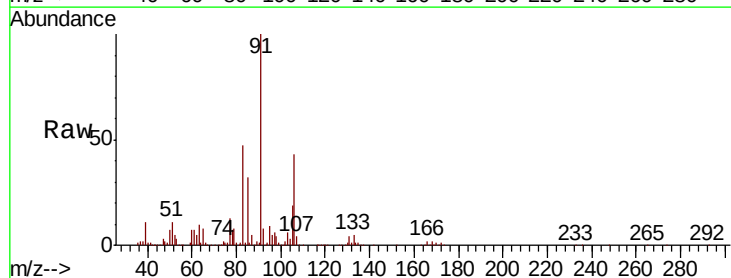
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

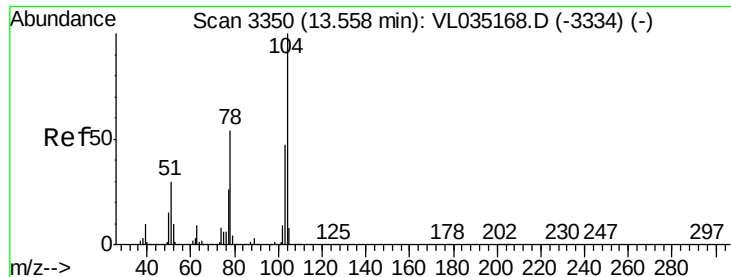
Tot Ion: 91 Resp: 3085335
Ion Ratio Lower Upper
91 100
106 89.2 36.2 54.2#



#60
o-Xylene
Concen: 11.022 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL035209.D
Acq: 21 Jul 2020 10:16

Tgt Ion: 91 Resp: 3031121
Ion Ratio Lower Upper
91 100
106 44.6 22.1 66.3





#61

Stvrene

Concen: 12.414 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

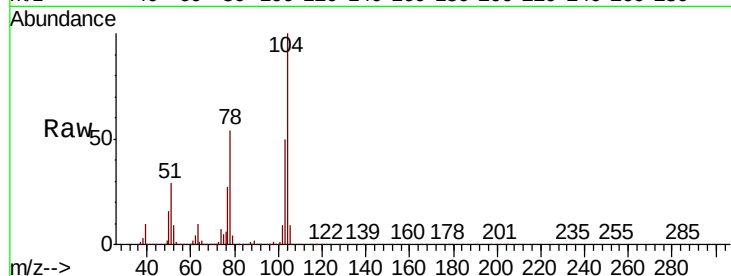
Tot Ion:104 Resp: 2109520

Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.4	65.0
103	47.9	37.4	56.0

104 100

78 54.6 43.4 65.0

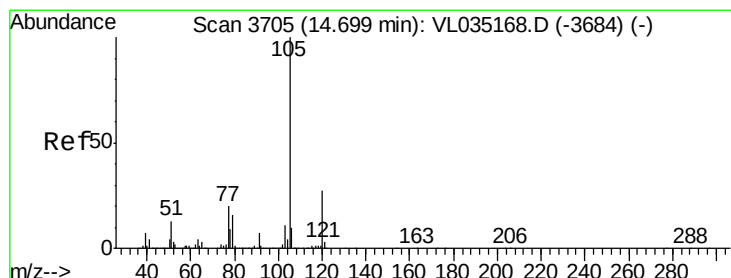
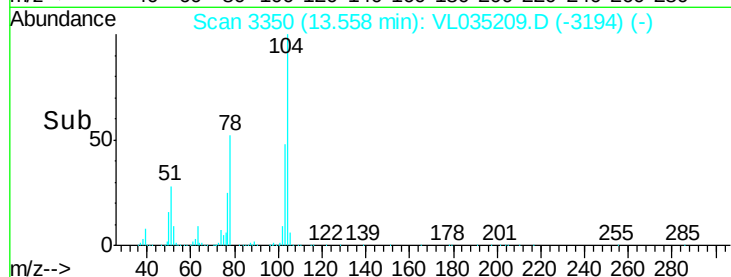
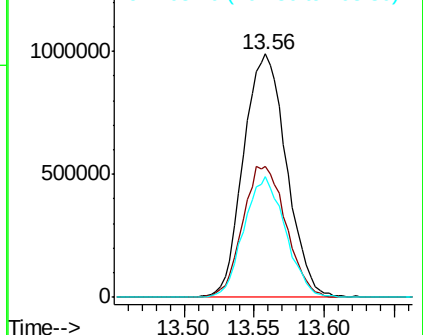
103 47.9 37.4 56.0



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: 10.915 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL035209.D

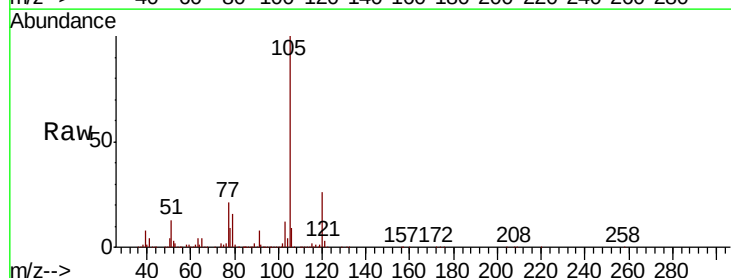
Acq: 21 Jul 2020 10:16

Tgt Ion:105 Resp: 4449226

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.7	31.1

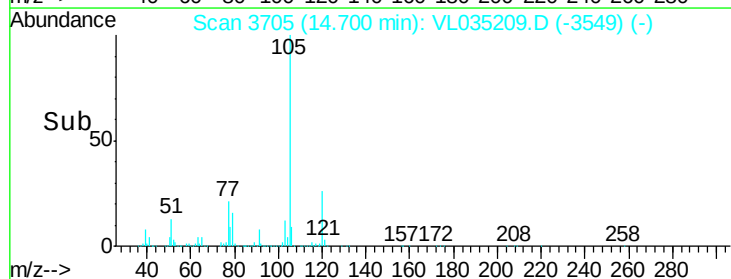
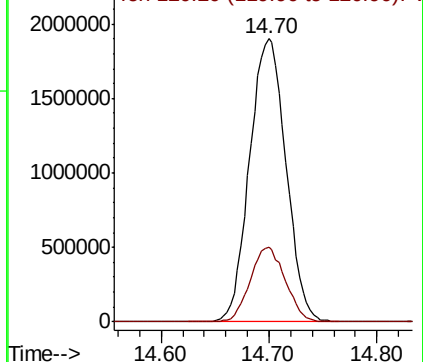
105 100

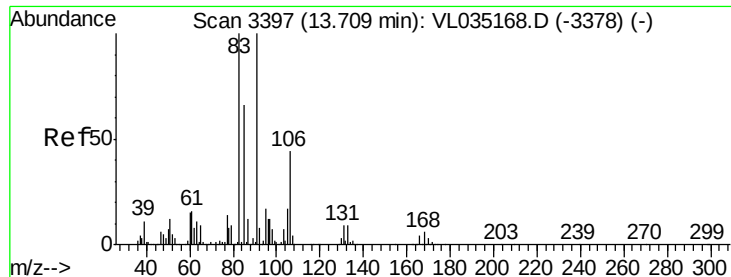
120 25.6 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.484 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDC0010

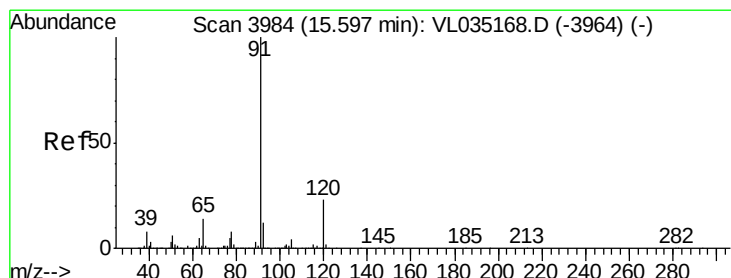
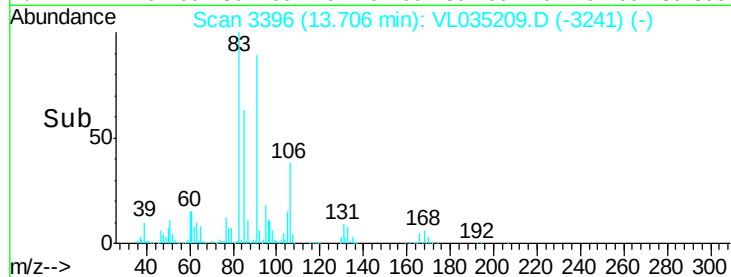
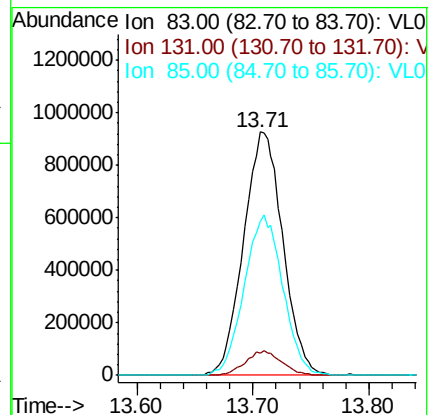
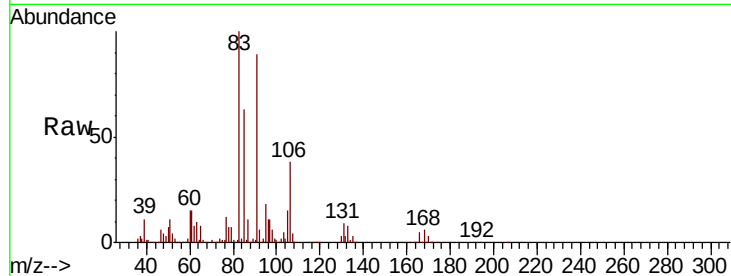
Tot Ion: 83 Resp: 2179310

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.8	33.0	99.0

83 100

131 9.3 4.7 14.0

85 64.8 33.0 99.0



#64

n-propylbenzene

Concen: 11.212 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VL035209.D

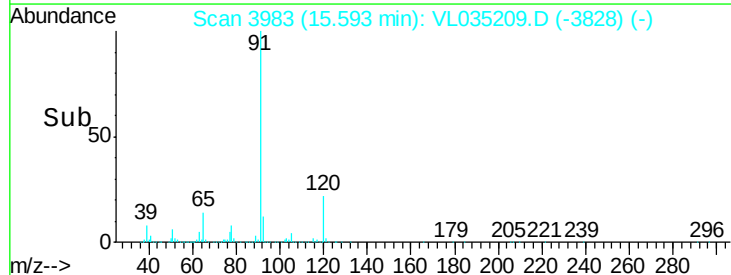
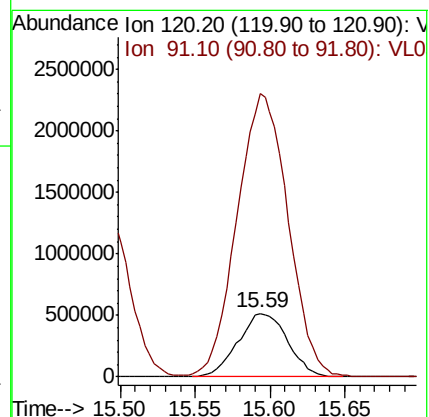
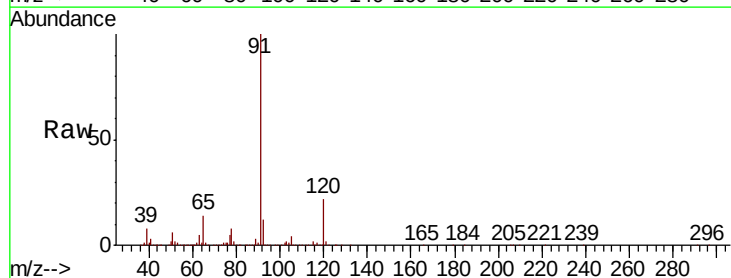
Acq: 21 Jul 2020 10:16

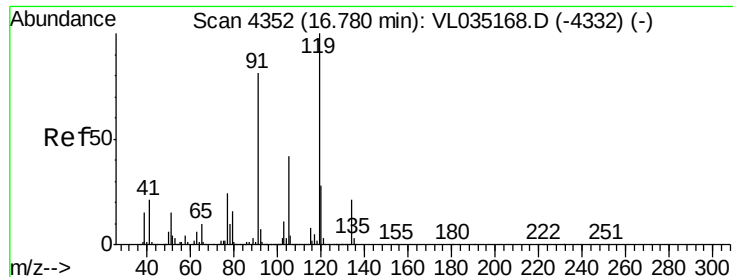
Tgt Ion: 120 Resp: 1180543

Ion	Ratio	Lower	Upper
120	100		
91	462.2	372.4	558.6

120 100

91 462.2 372.4 558.6

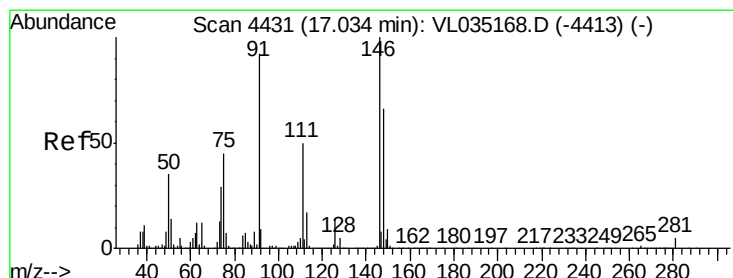
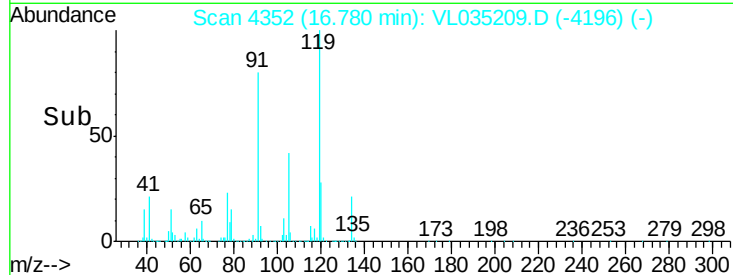
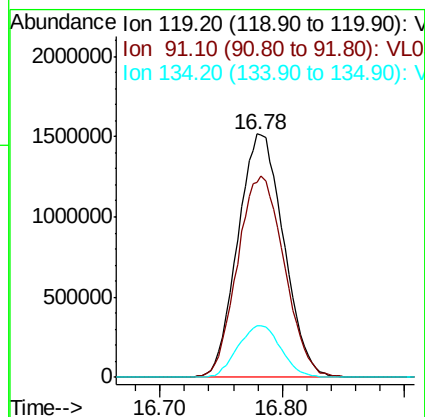
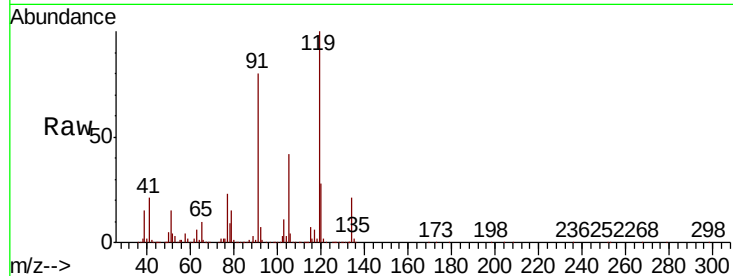




#65
 tert-Butylbenzene
 Concen: 10.727 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

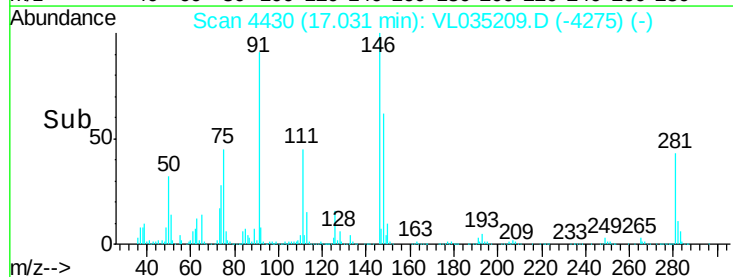
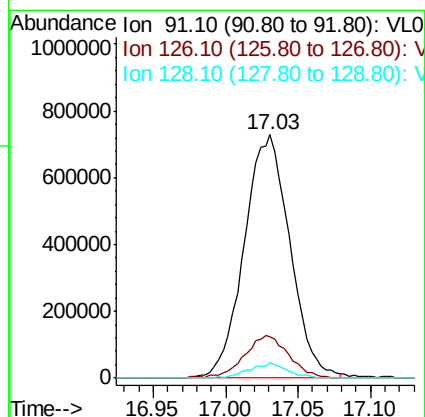
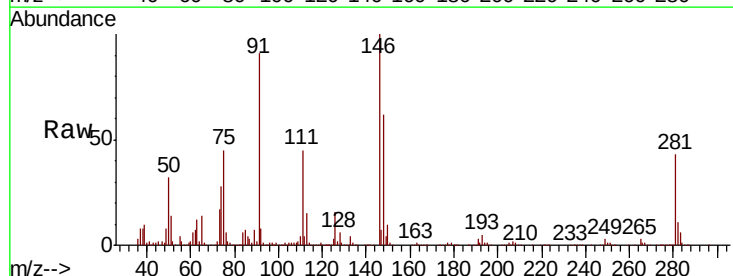
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

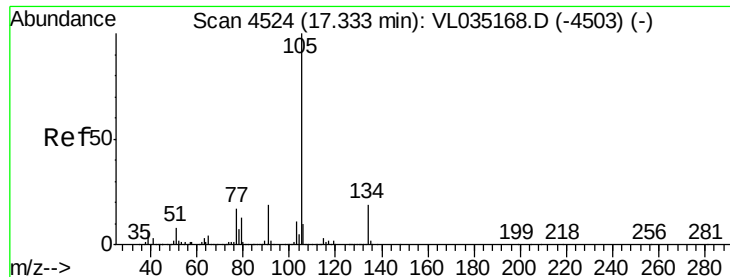
Tot Ion:119 Resp: 3926928
 Ion Ratio Lower Upper
 119 100
 91 85.2 67.5 101.3
 134 20.1 16.0 24.0



#66
 Benzyl Chloride
 Concen: 12.168 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

Tgt Ion: 91 Resp: 1587036
 Ion Ratio Lower Upper
 91 100
 126 17.3 13.9 20.9
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 10.605 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

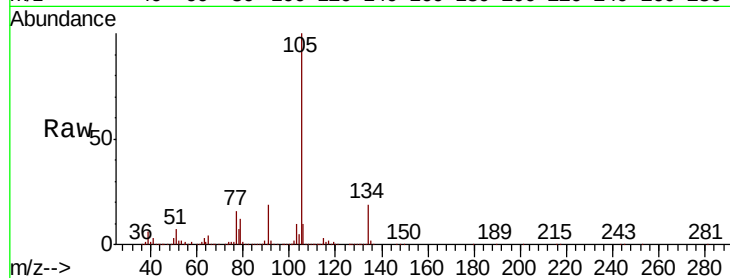
VSTDCCC010

Tot Ion:105 Resp: 5660059

Ion Ratio Lower Upper

105 100

134 18.4 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

2500000

2000000

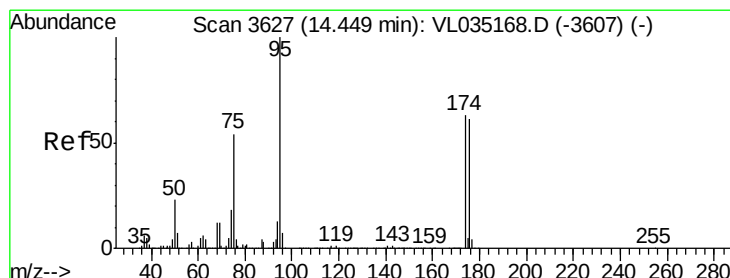
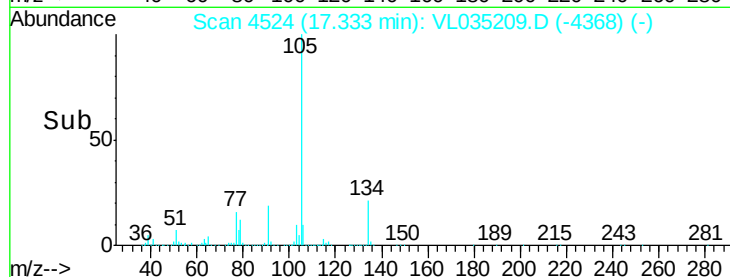
1500000

1000000

500000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 10.102 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

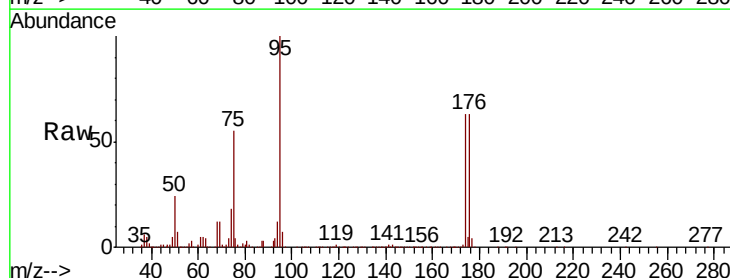
Tgt Ion: 95 Resp: 2296232

Ion Ratio Lower Upper

95 100

174 66.1 52.2 78.2

175 4.8 4.0 6.0



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

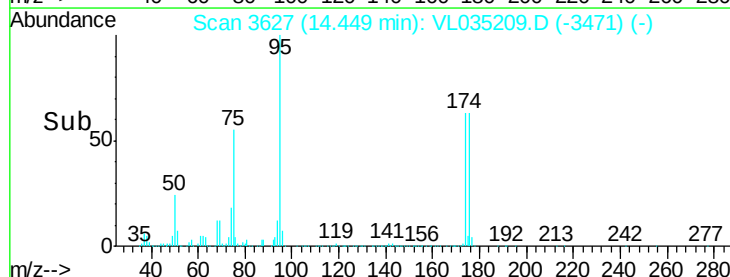
14.45

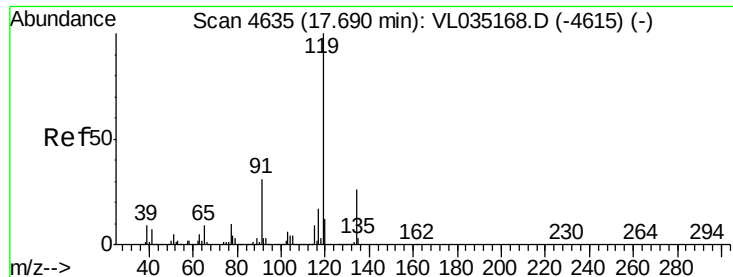
1000000

500000

0

Time--> 14.40 14.50

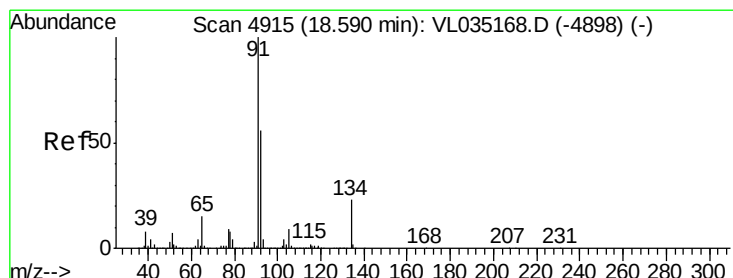
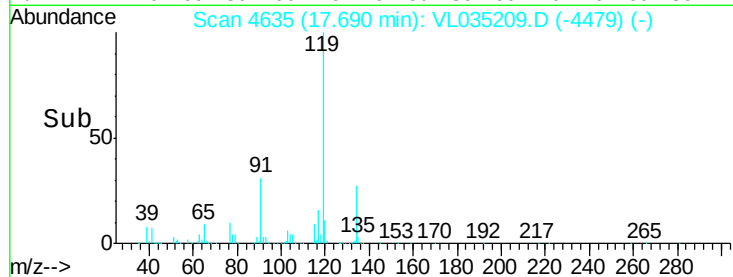
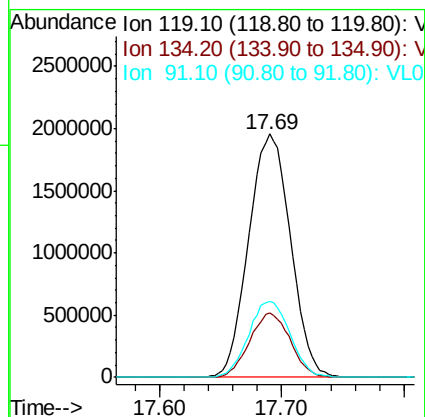
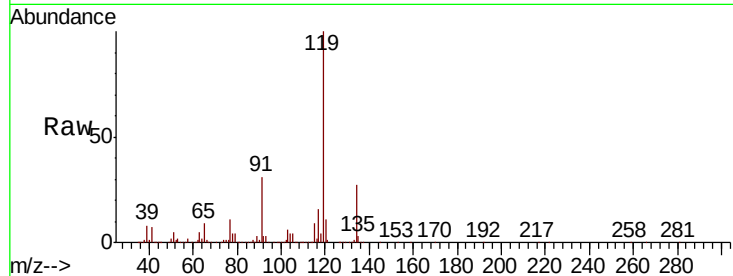




#69
 p-Isopropyltoluene
 Concen: 11.110 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

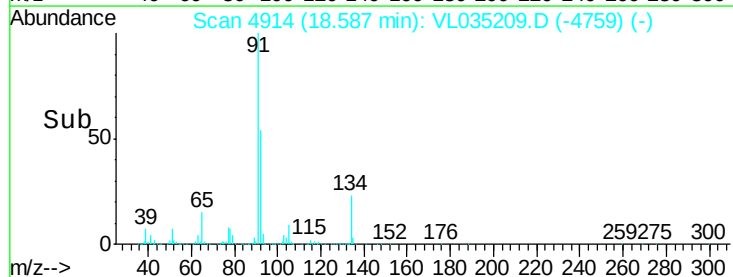
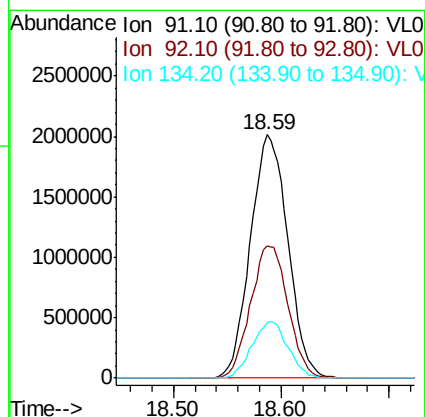
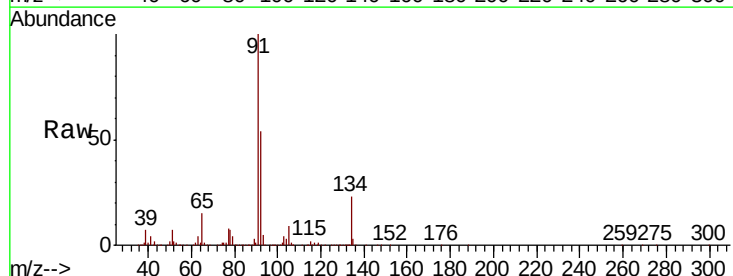
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

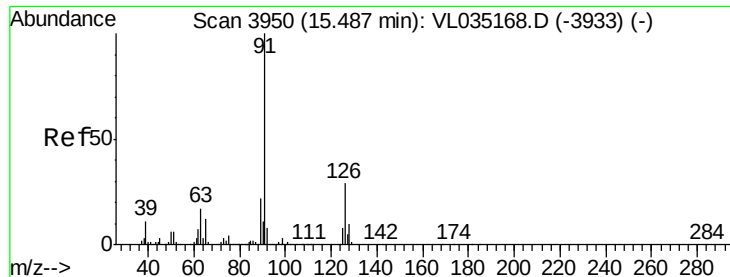
Tot Ion:119 Resp: 4647459
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.8 31.2
 91 31.0 24.9 37.3



#70
 n-Butylbenzene
 Concen: 10.898 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

Tgt Ion: 91 Resp: 4833465
 Ion Ratio Lower Upper
 91 100
 92 54.4 44.0 66.0
 134 22.4 18.0 27.0





#71

2-Chlorotoluene

Concen: 11.014 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

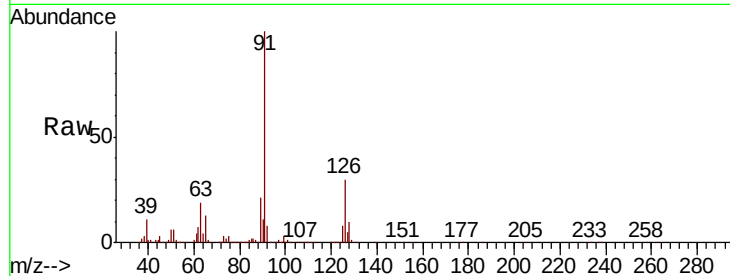
VSTDCCC010

Tot Ion: 91 Resp: 3397190

Ion Ratio Lower Upper

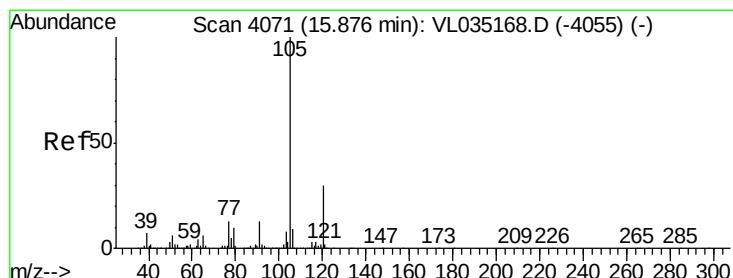
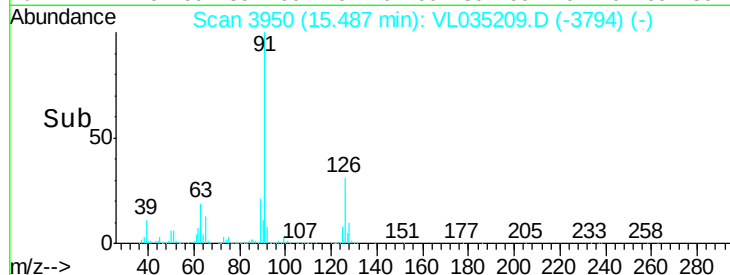
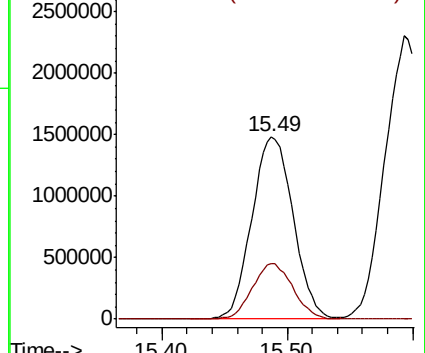
91 100

126 29.9 12.0 48.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.475 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Tgt Ion:105 Resp: 3555556

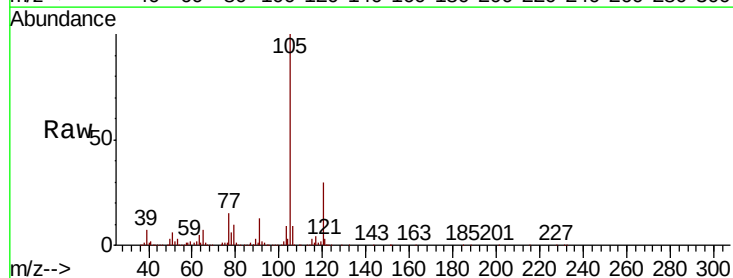
Ion Ratio Lower Upper

105 100

120 28.9 23.2 34.8

91 13.5 10.9 16.3

77 14.5 11.8 17.6

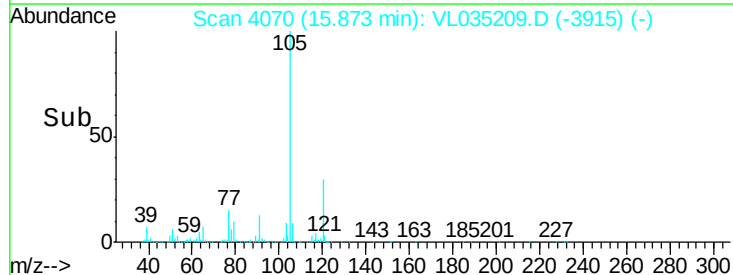
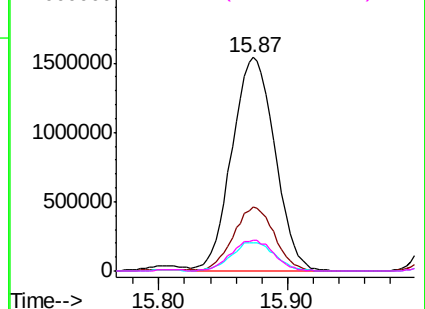


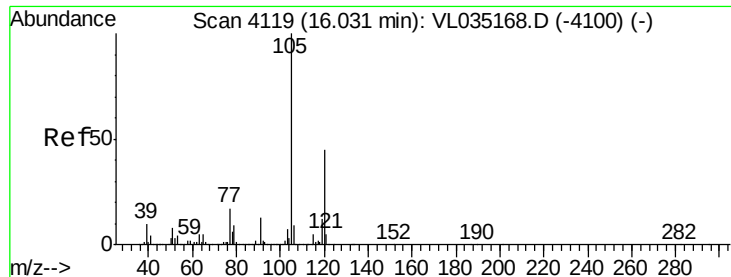
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 11.113 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

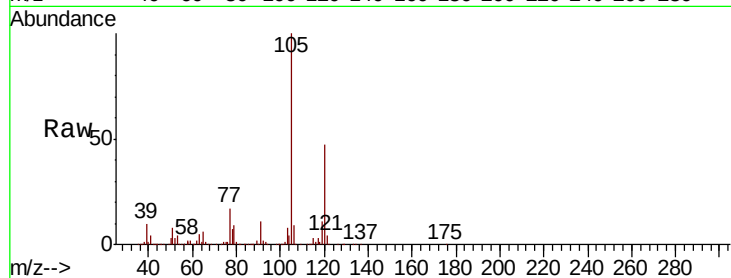
VSTDCCC010

Tot Ion:105 Resp: 3320423

Ion Ratio Lower Upper

105 100

120 46.8 36.2 54.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

1500000

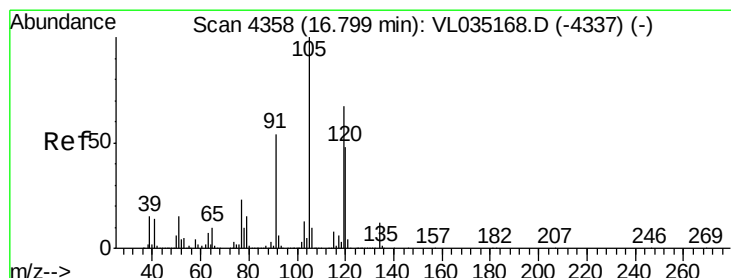
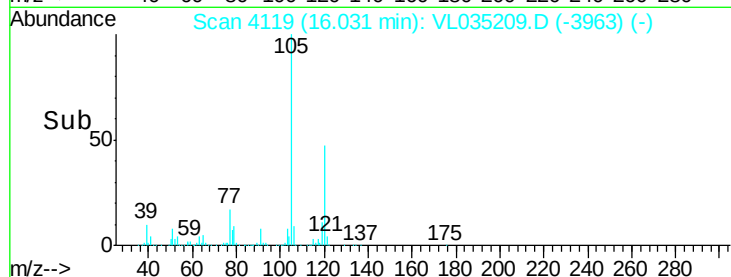
1000000

500000

0

Time-->

16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 10.600 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Tgt Ion:105 Resp: 3500033

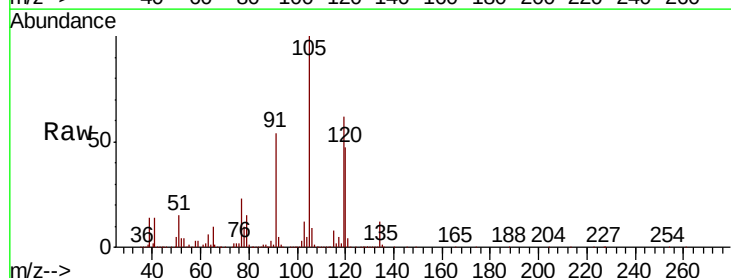
Ion Ratio Lower Upper

105 100

120 46.7 38.6 57.8

91 53.4 43.6 65.4

77 22.5 18.3 27.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

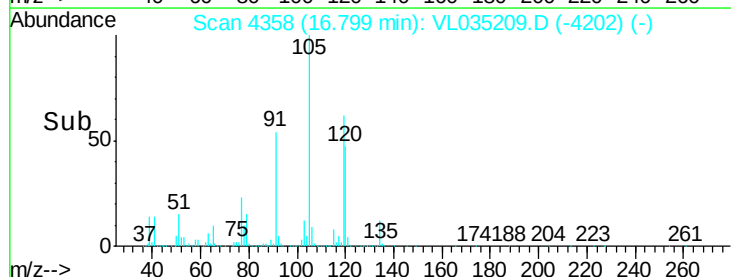
1000000

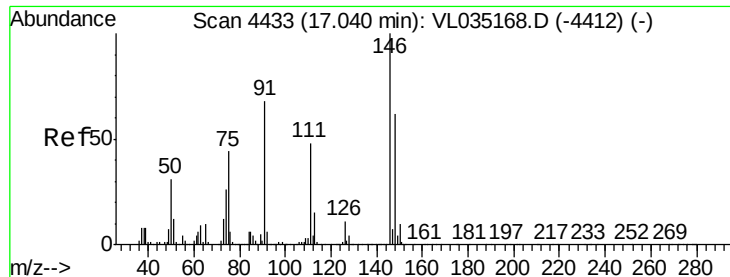
500000

0

Time-->

16.70 16.80

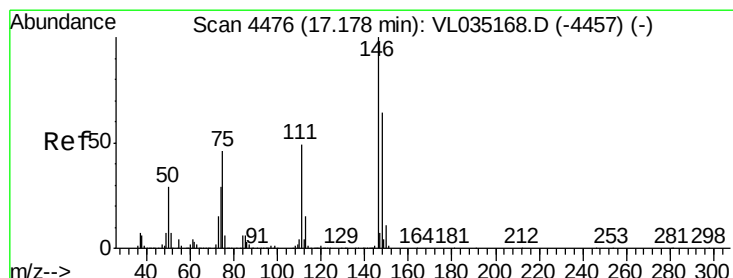
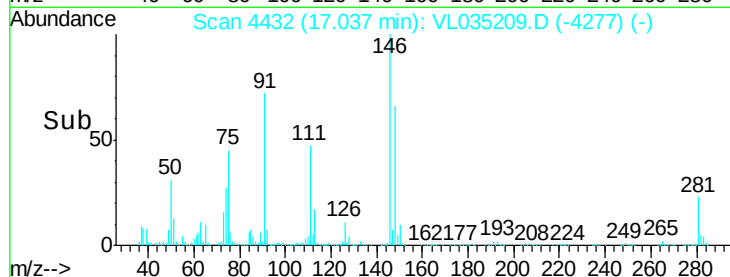
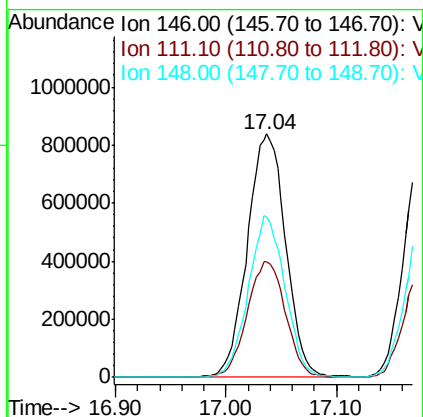
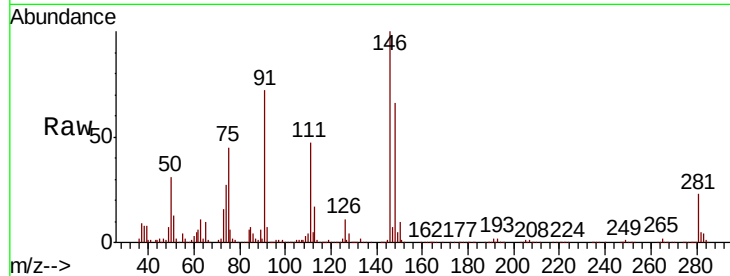




#75
 1,3-Dichlorobenzene
 Concen: 9.632 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

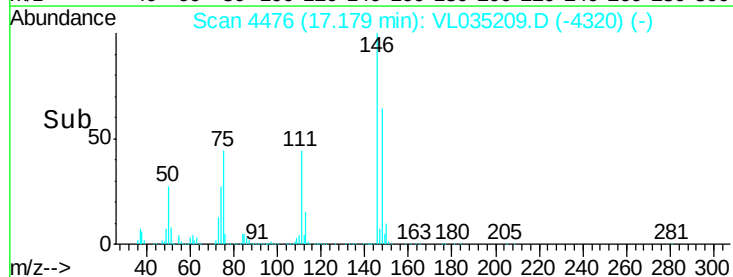
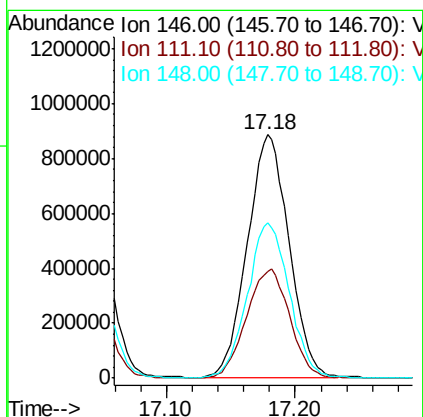
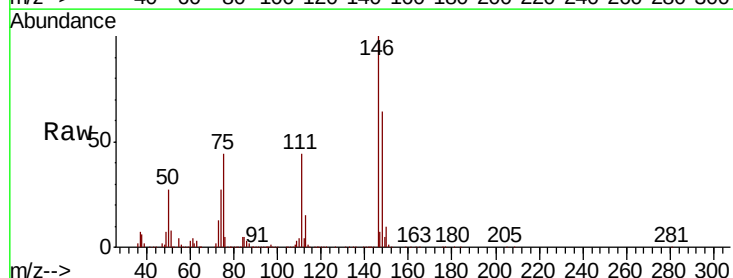
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

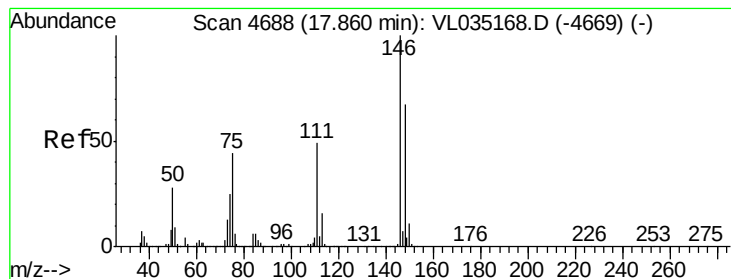
Tot Ion:146 Resp: 2014098
 Ion Ratio Lower Upper
 146 100
 111 48.1 24.7 74.1
 148 63.7 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 10.256 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.00 min
 Lab File: VL035209.D
 Acq: 21 Jul 2020 10:16

Tgt Ion:146 Resp: 1993037
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.8 71.2
 148 64.4 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 10.181 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

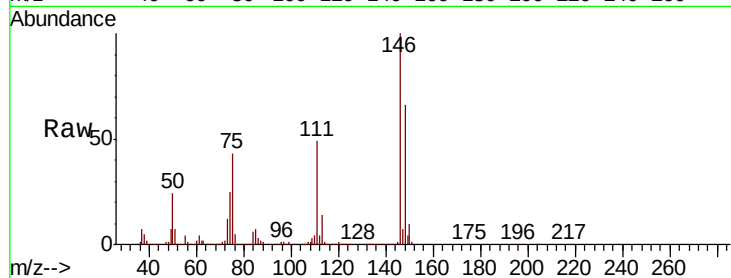
Tot Ion:146 Resp: 1916774

Ion Ratio Lower Upper

146 100

111 49.2 25.1 75.2

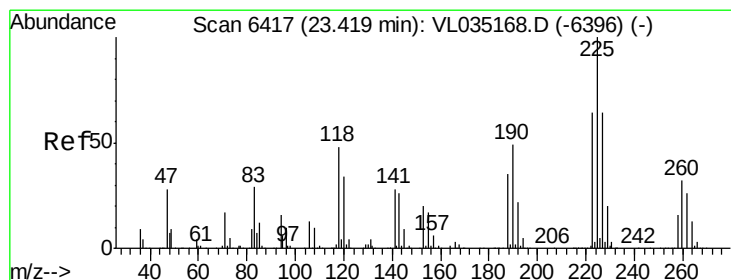
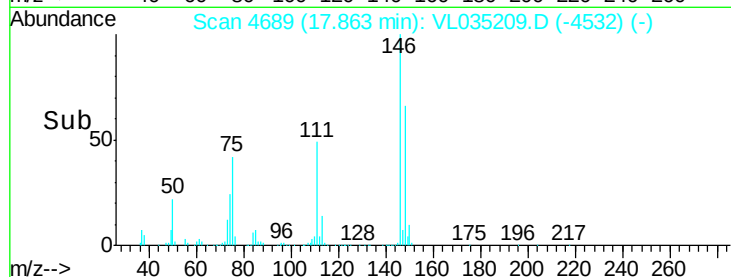
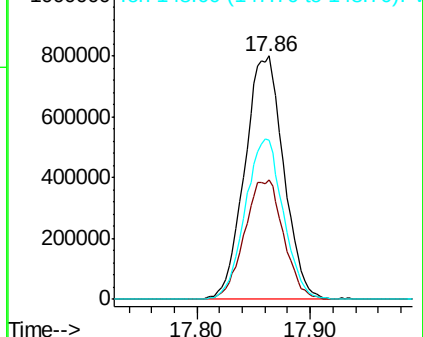
148 64.5 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.350 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

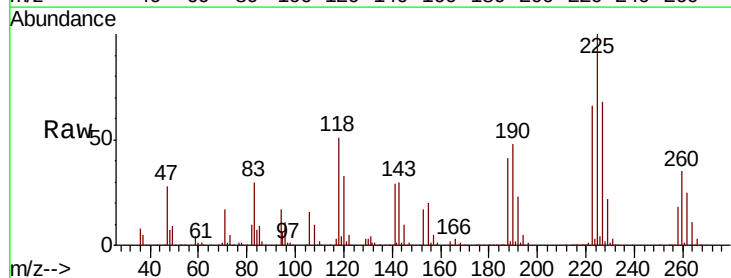
Tgt Ion:225 Resp: 1391037

Ion Ratio Lower Upper

225 100

223 63.6 50.2 75.2

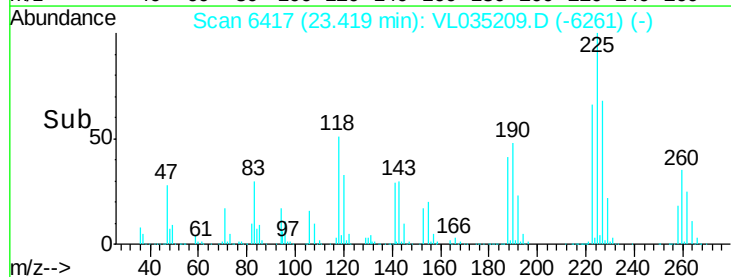
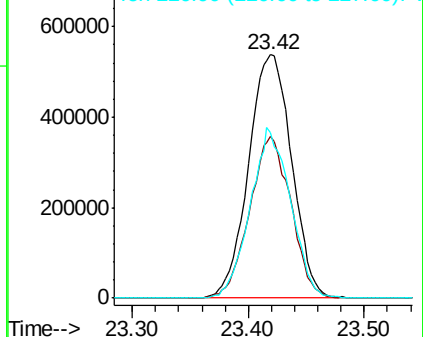
227 65.0 51.2 76.8

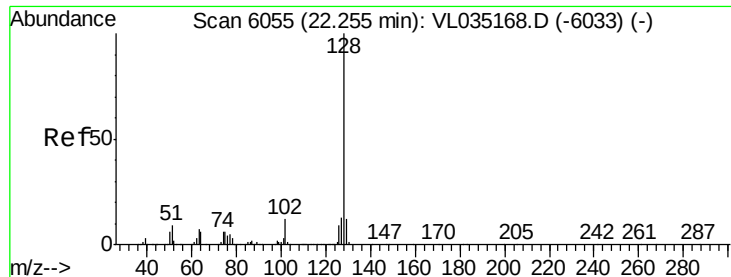


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.526 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

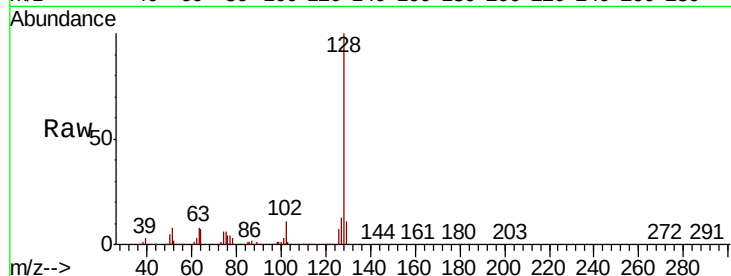
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 2890035

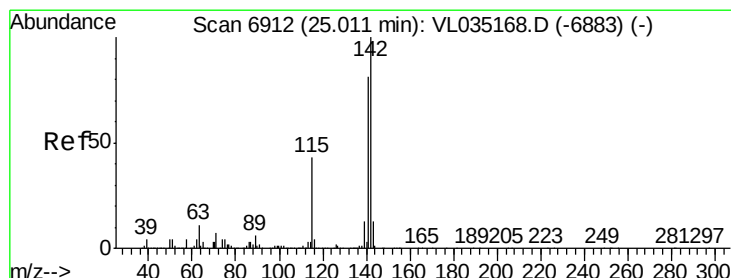
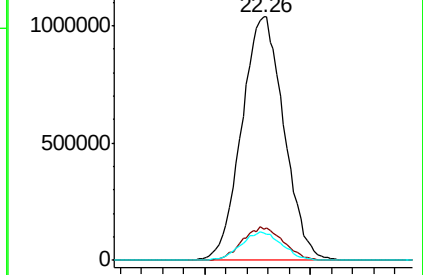
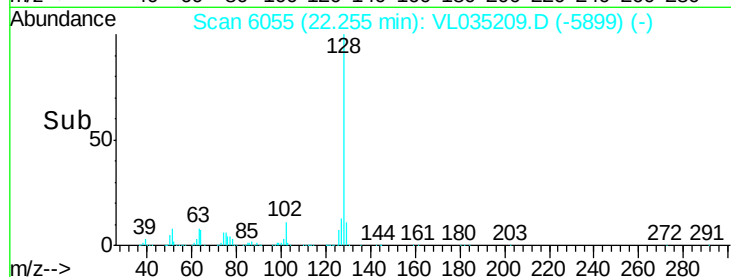
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.8	16.2
129	11.0	9.4	14.2



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: 21.111 ppbv

RT: 25.01 min Scan# 6912

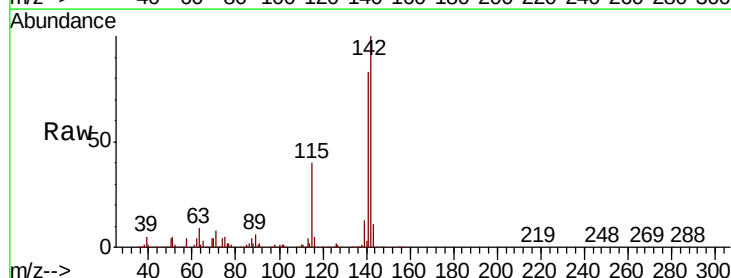
Delta R.T. 0.00 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Tgt Ion:142 Resp: 1065508

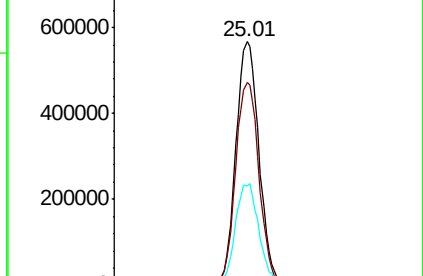
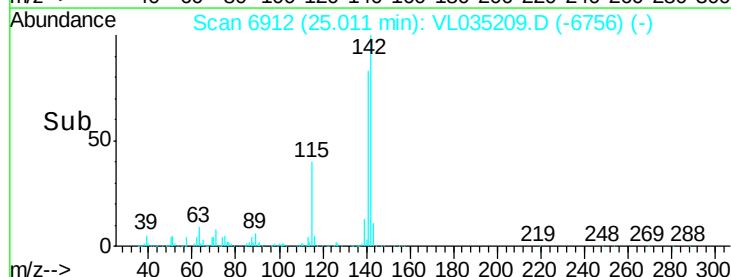
Ion	Ratio	Lower	Upper
142	100		
141	85.0	68.2	102.4
115	42.7	34.4	51.6

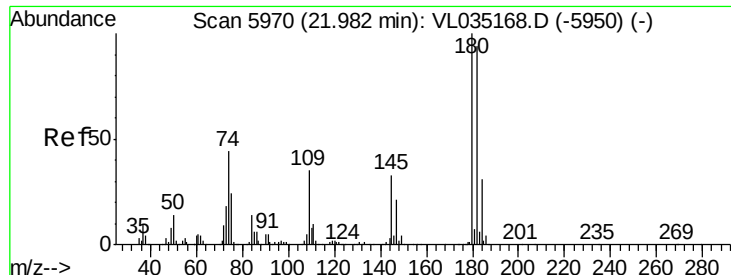


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 12.016 ppbv

RT: 21.99 min Scan# 5972

Delta R.T. 0.01 min

Lab File: VL035209.D

Acq: 21 Jul 2020 10:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

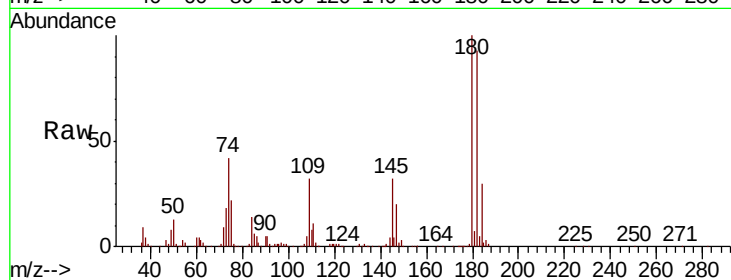
Tot Ion:180 Resp: 1626572

Ion Ratio Lower Upper

180 100

182 93.9 76.7 115.1

184 30.5 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

