

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035242.D
 Acq On : 29 Jul 2020 11:23
 Operator : SY/AP
 Sample : VL0729ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:47:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1436228	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3414076	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4046510	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2649619	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1484176	8.652	ppbv 99
3) Chlorodifluoromethane	2.94	51	1400115	8.807	ppbv 100
4) Chloromethane	3.10	50	803562	8.982	ppbv 98
5) Vinyl Chloride	3.21	62	823538	8.837	ppbv 99
6) Bromomethane	3.43	94	517849	8.996	ppbv 97
7) Chloroethane	3.52	64	311794	9.269	ppbv 99
8) Dichlorotetrafluoroethane	3.14	85	1887548	8.673	ppbv 100
9) Propene	2.96	41	544014	9.817	ppbv 97
10) Heptane	8.13	43	1593057	10.620	ppbv 99
11) Trichlorofluoromethane	3.92	101	2026882	8.785	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1406120	8.593	ppbv 99
13) Ethanol	3.57	45	126950	5.628	ppbv 93
14) Bromoethene	3.70	108	620909	9.298	ppbv 100
15) Acetone	3.82	43	1492888	7.793	ppbv 99
16) 1,3-Butadiene	3.29	39	719285	9.625	ppbv 100
17) tert-Butyl alcohol	4.26	59	1705091	9.222	ppbv 100
18) 1,1-Dichloroethene	4.26	96	649053	8.933	ppbv 96
19) Isopropyl Alcohol	3.94	45	1082518	8.568	ppbv 99
20) Methylene Chloride	4.32	84	615981	7.064	ppbv 97
21) Allyl Chloride	4.38	41	1039285	9.526	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	647430	9.274	ppbv 96
23) Vinyl Acetate	5.06	43	1968198	10.225	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1632928	9.096	ppbv 96
25) Ethyl Acetate	5.67	43	2803278	9.370	ppbv 100
26) Hexane	5.67	57	1289535	9.555	ppbv 98
27) Carbon Disulfide	4.53	76	1691000	9.274	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1976945	10.247	ppbv 99
29) Chloroform	5.75	83	2029622	8.966	ppbv 98
30) Cyclohexane	7.13	84	1054176	10.928	ppbv 97
31) cis-1,2-Dichloroethene	5.54	61	1232801	10.479	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	2013518	8.691	ppbv 99
34) 2-Butanone	5.23	43	1665346	9.587	ppbv 100
35) Carbon Tetrachloride	7.02	117	2086736	9.129	ppbv 97
36) Benzene	6.90	78	2468774	10.405	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1579264	9.521	ppbv 100
38) Trichloroethene	7.84	130	1021686	10.390	ppbv 93
39) 1,2-Dichloropropane	7.62	63	975626	10.306	ppbv 97
40) 1,4-Dioxane	7.84	88	373599	10.022	ppbv # 1
41) Tetrahydrofuran	6.04	42	920445	10.811	ppbv 100
42) Bromodichloromethane	7.80	83	2180498	9.849	ppbv 98
43) Methyl Methacrylate	8.02	69	1151095	11.197	ppbv 99

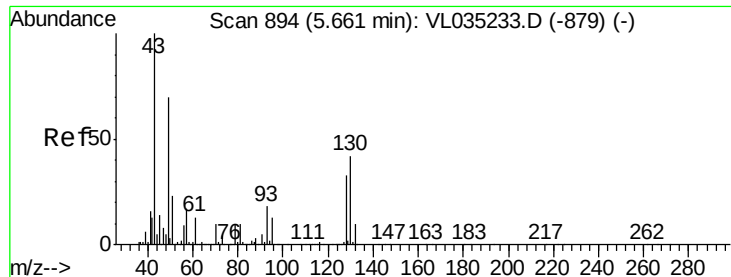
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035242.D
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 Operator : SY/AP
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Quant Time: Jul 30 02:47:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4339670	10.381	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1256601	12.131	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1496655	11.860	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1078637	9.645	ppbv	95
48) Dibromochloromethane	10.33	129	1840777	10.452	ppbv	98
49) Bromoform	13.08	173	1659433	10.481	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2667430	10.596	ppbv	100
51) 2-Hexanone	10.15	43	2131361	11.165	ppbv #	97
52) Tetrachloroethene	11.25	164	926709	10.237	ppbv	97
53) Toluene	9.83	91	2933878	11.634	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1644255	10.169	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.16	131	1444705	7.765	ppbv	99
57) Chlorobenzene	12.18	112	2363522	7.763	ppbv	97
58) Ethyl Benzene	12.74	91	4034379	9.414	ppbv	99
59) m/p-Xylene	13.03	91	3210996	8.048	ppbv #	22
60) o-Xylene	13.73	91	3462774	8.699	ppbv	99
61) Styrene	13.56	104	2388750	9.886	ppbv	100
62) Isopropylbenzene	14.71	105	5026602	8.484	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2504370	7.311	ppbv	99
64) n-propylbenzene	15.60	120	1375974	8.735	ppbv	98
65) tert-Butylbenzene	16.79	119	4509201	8.401	ppbv	100
66) Benzyl Chloride	17.03	91	1770966	8.424	ppbv	98
67) sec-Butylbenzene	17.34	105	6438722	8.210	ppbv	100
69) p-Isopropyltoluene	17.70	119	5335009	8.339	ppbv	99
70) n-Butylbenzene	18.59	91	5660226	8.178	ppbv	99
71) 2-Chlorotoluene	15.49	91	3942720	8.825	ppbv	100
72) 4-Ethyltoluene	15.88	105	4103173	9.158	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	3848939	8.809	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	4055774	7.973	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	2374463	7.230	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2353649	7.923	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2270462	7.718	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1642189	6.820	ppbv	99
79) Naphthalene	22.26	128	3246892	8.027	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1026945	7.845	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1844892	7.493	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

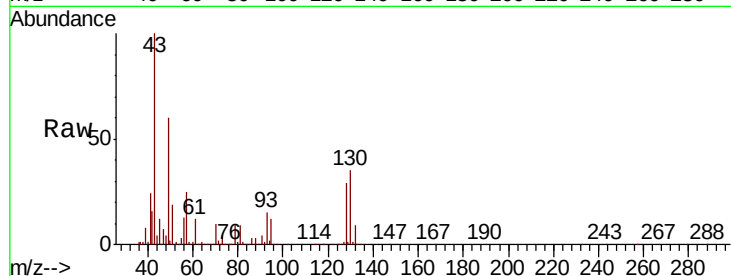
Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1436228

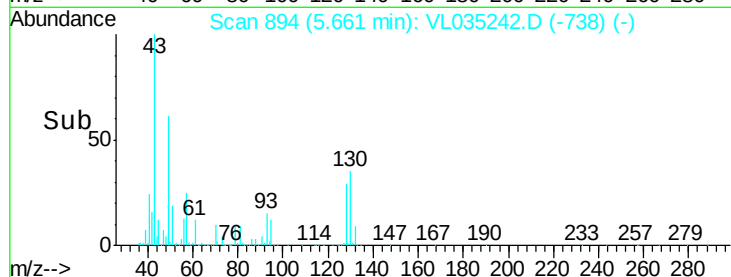
Ion	Ratio	Lower	Upper
49	100		
128	47.9	24.0	72.0
130	61.4	30.7	92.1



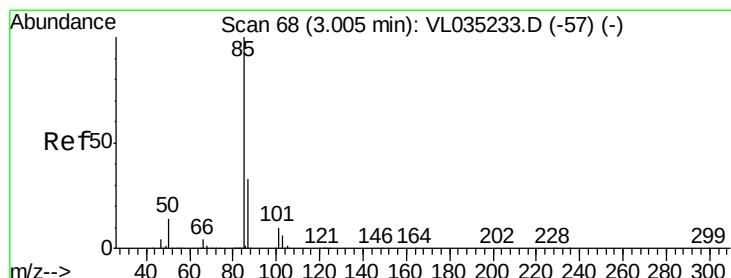
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 8.652 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035242.D

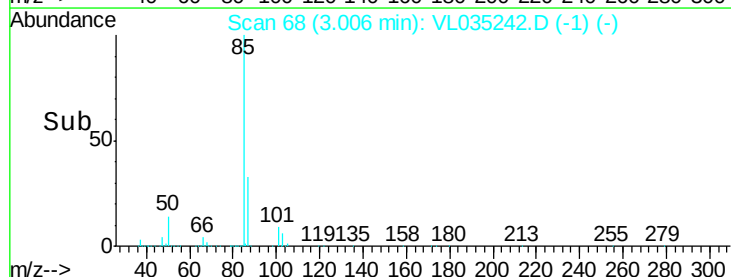
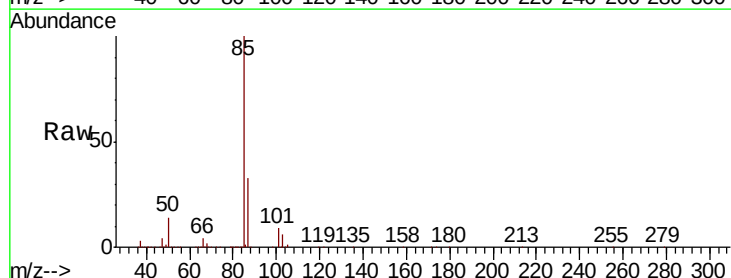
Acq: 29 Jul 2020 11:23

Tgt Ion: 85 Resp: 1484176

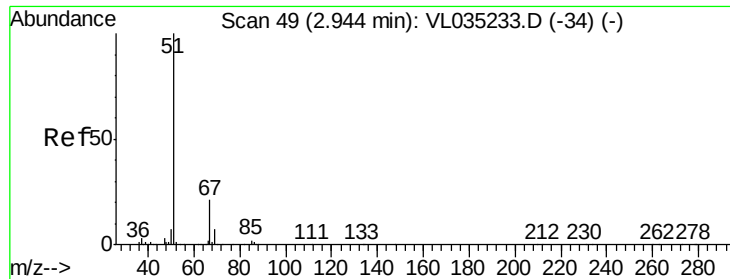
Ion	Ratio	Lower	Upper
85	100		
87	33.1	26.7	40.1

Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 8.807 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

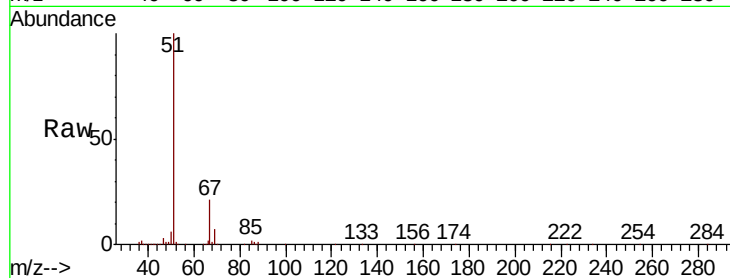
ClientSampleId :

Tot Ion: 51 Resp: 1400115

Ion Ratio Lower Upper

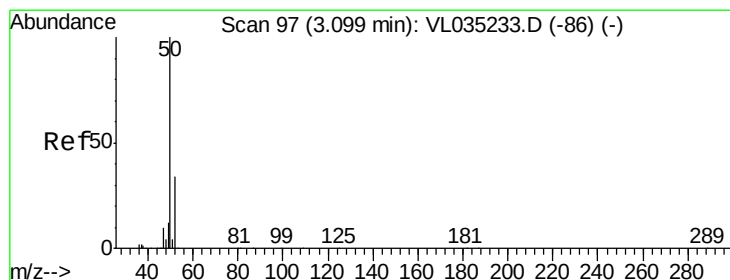
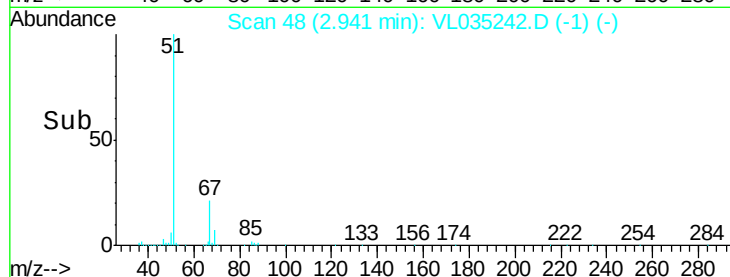
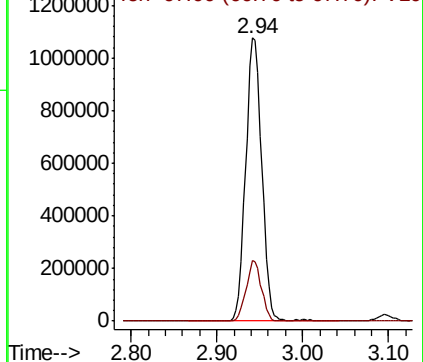
51 100

67 20.6 16.6 25.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.982 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL035242.D

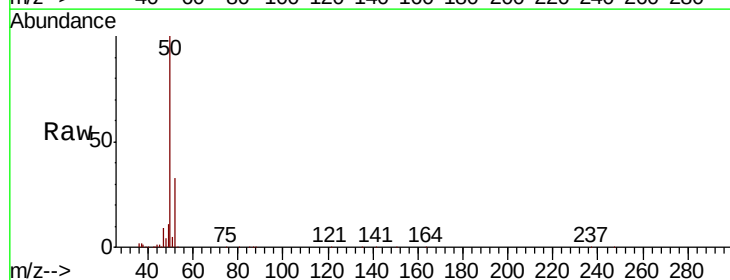
Acq: 29 Jul 2020 11:23

Tgt Ion: 50 Resp: 803562

Ion Ratio Lower Upper

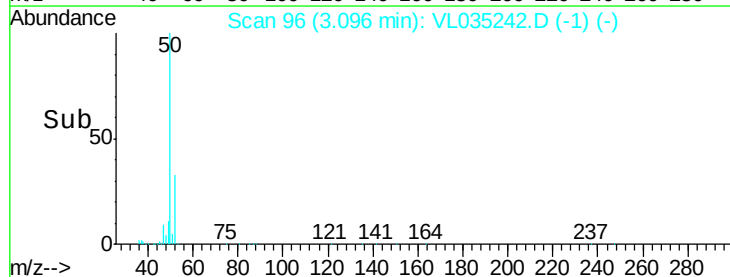
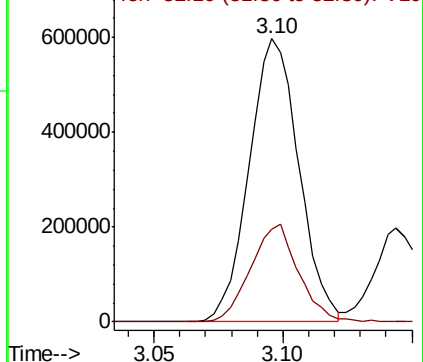
50 100

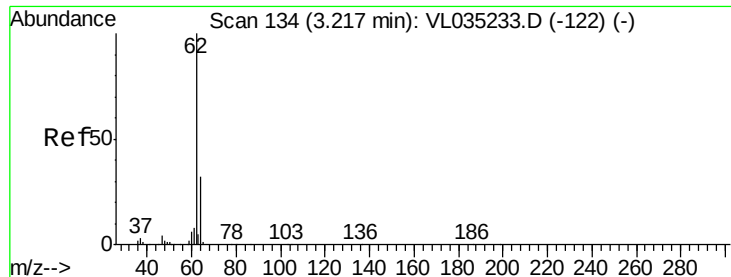
52 33.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.837 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

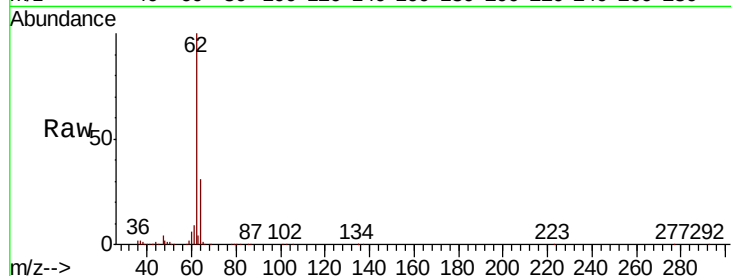
ClientSampleId :

Tot Ion: 62 Resp: 823538

Ion Ratio Lower Upper

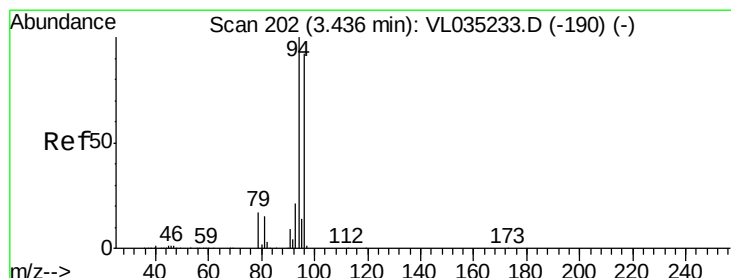
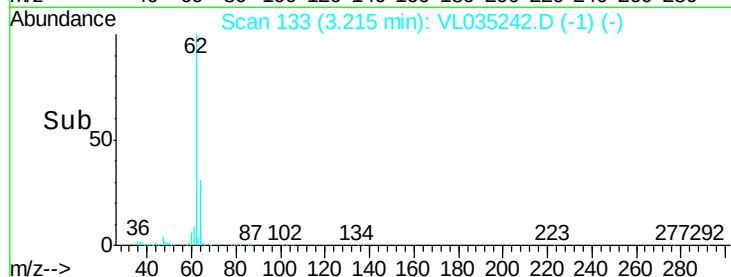
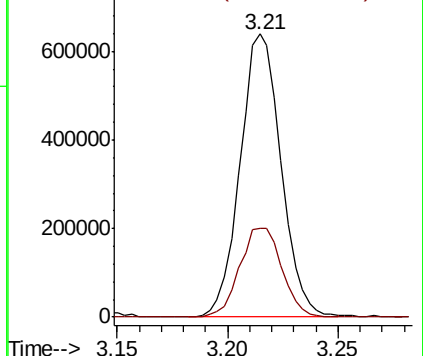
62 100

64 31.5 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.996 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL035242.D

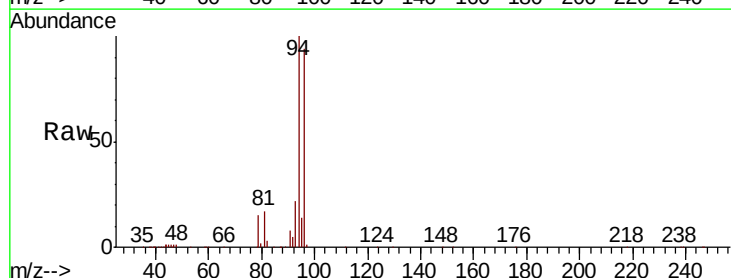
Acq: 29 Jul 2020 11:23

Tgt Ion: 94 Resp: 517849

Ion Ratio Lower Upper

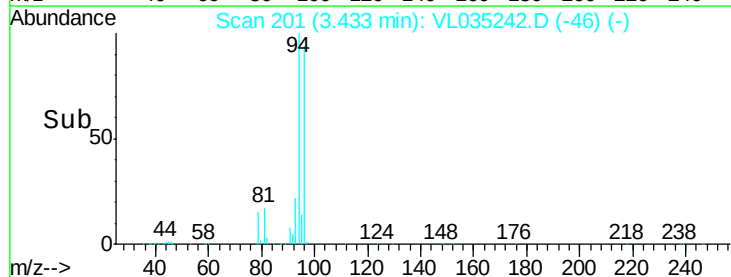
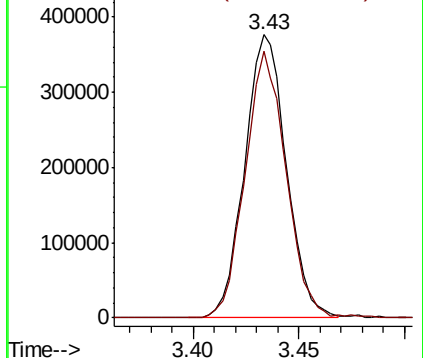
94 100

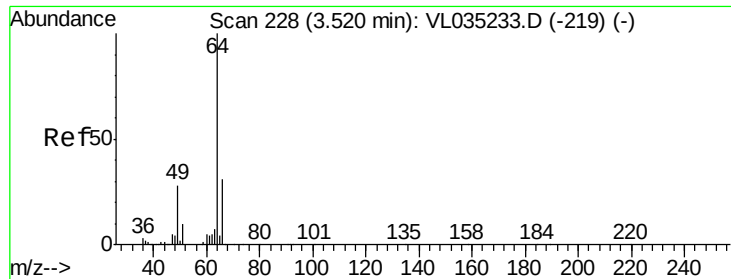
96 94.3 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.269 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

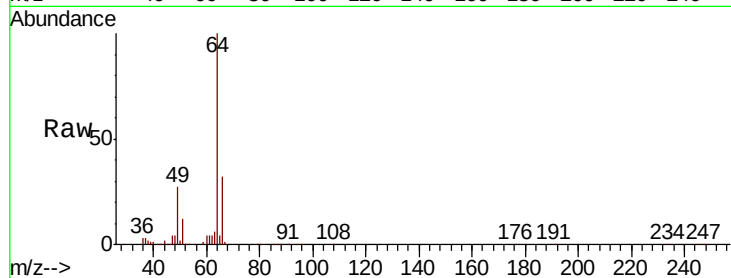
ClientSampleId :

Tot Ion: 64 Resp: 311794

Ion Ratio Lower Upper

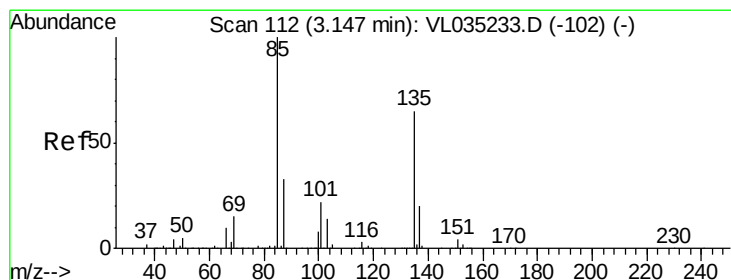
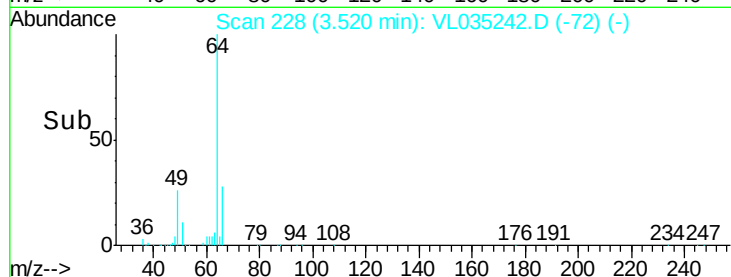
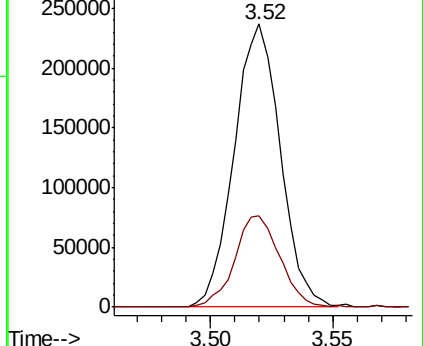
64 100

66 32.4 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.673 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL035242.D

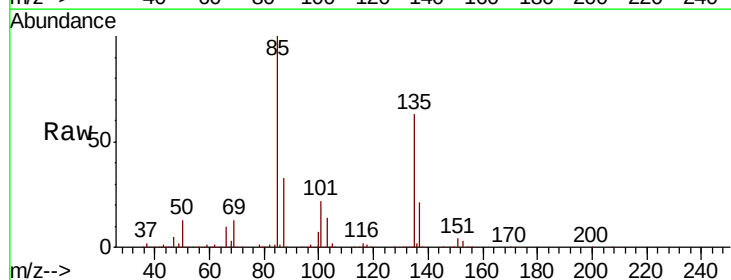
Acq: 29 Jul 2020 11:23

Tgt Ion: 85 Resp: 1887548

Ion Ratio Lower Upper

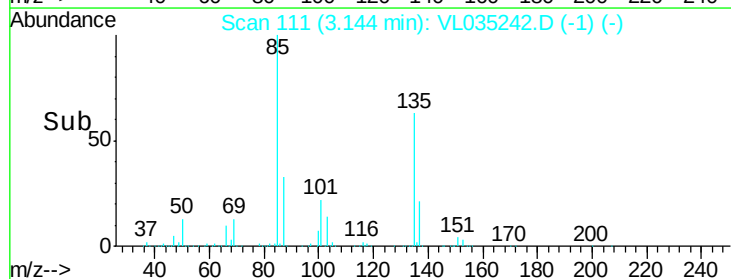
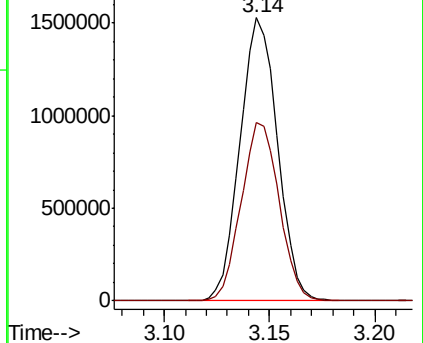
85 100

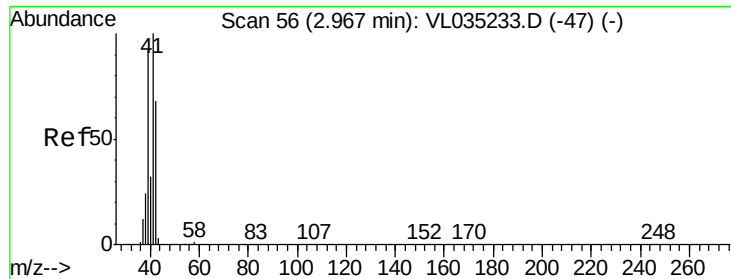
135 64.2 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.817 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

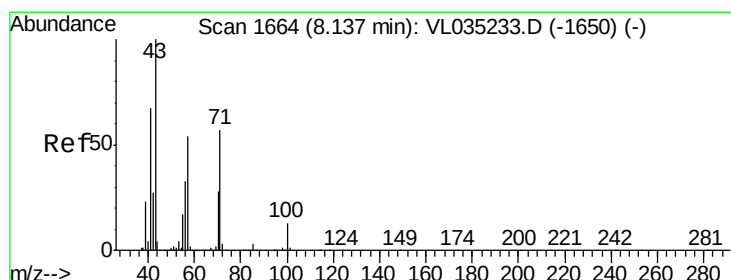
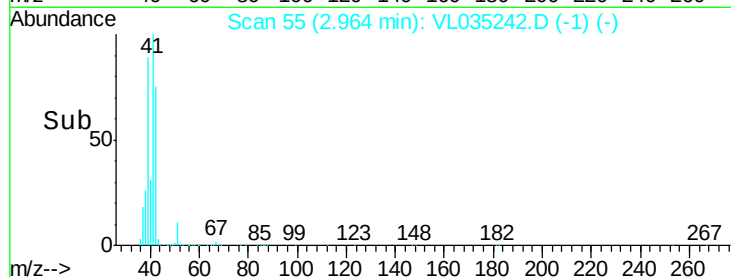
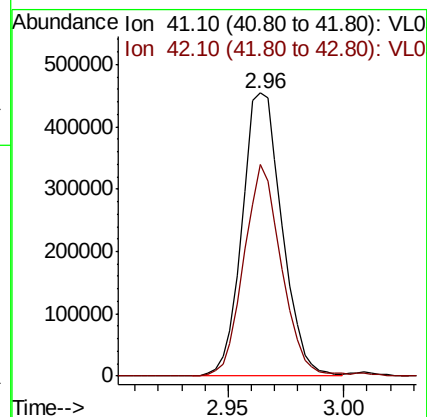
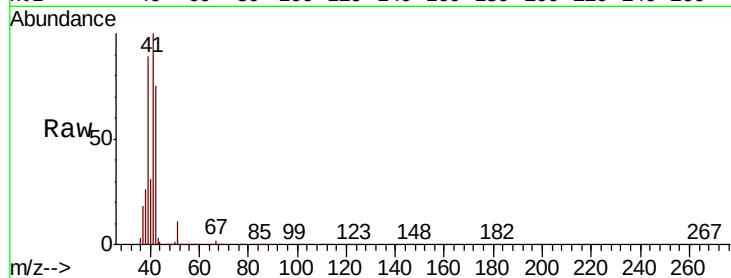
ClientSampleId :

Tot Ion: 41 Resp: 544014

Ion Ratio Lower Upper

41 100

42 71.1 55.0 82.6



#10

Heptane

Concen: 10.620 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035242.D

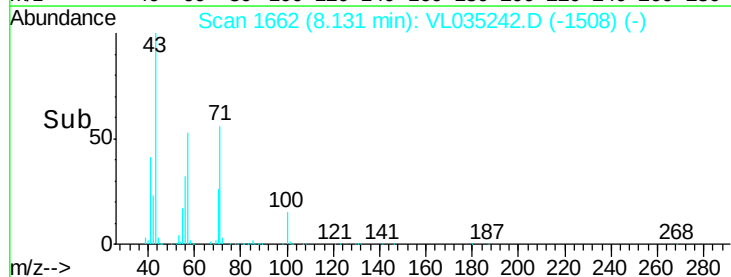
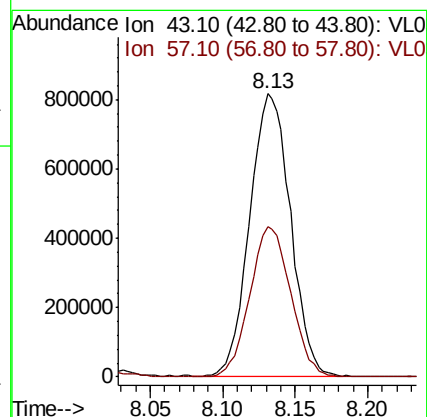
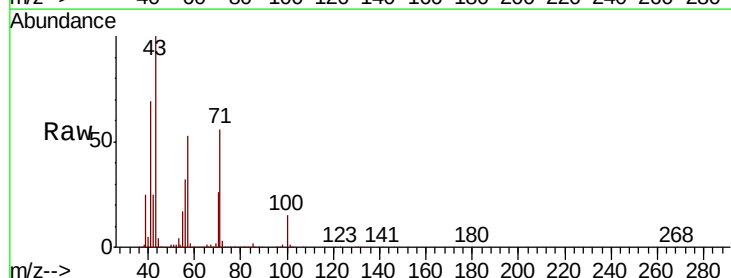
Acq: 29 Jul 2020 11:23

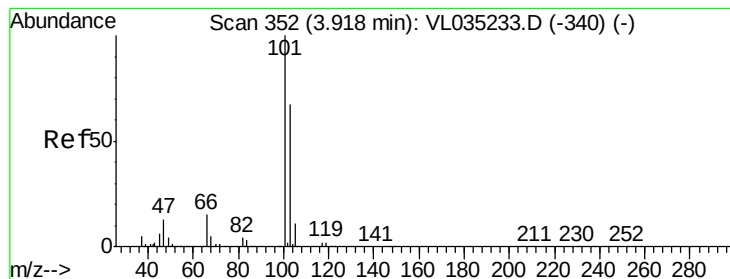
Tgt Ion: 43 Resp: 1593057

Ion Ratio Lower Upper

43 100

57 53.3 43.0 64.4





#11

Trichlorofluoromethane

Concen: 8.785 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

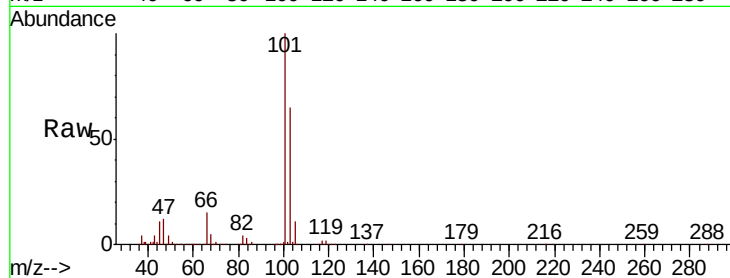
ClientSampleId :

Tot Ion:101 Resp: 2026882

Ion Ratio Lower Upper

101 100

103 65.0 53.4 80.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.92

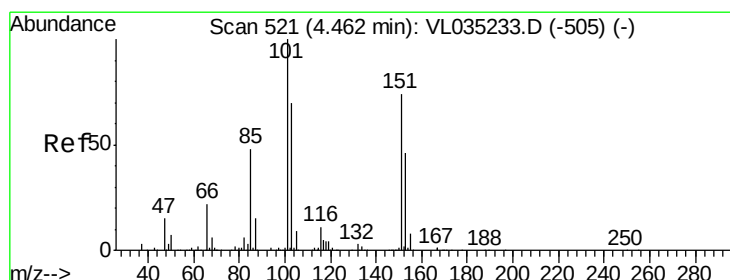
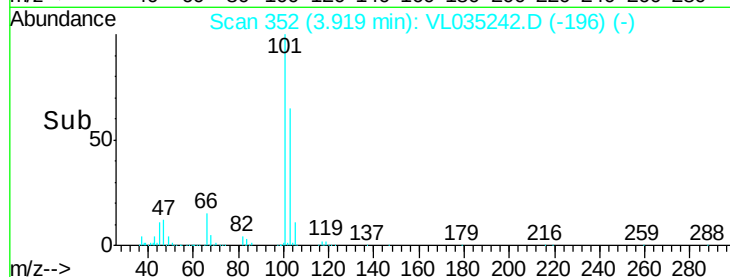
1500000

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.593 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL035242.D

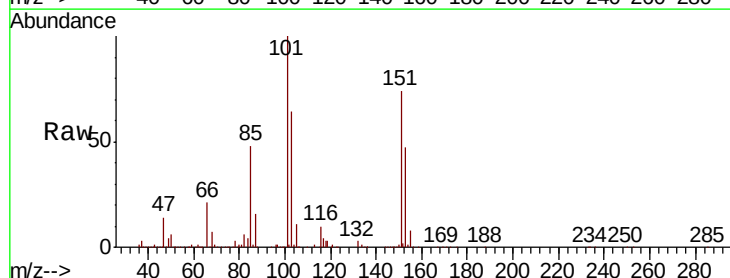
Acq: 29 Jul 2020 11:23

Tgt Ion:101 Resp: 1406120

Ion Ratio Lower Upper

101 100

151 71.5 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.46

800000

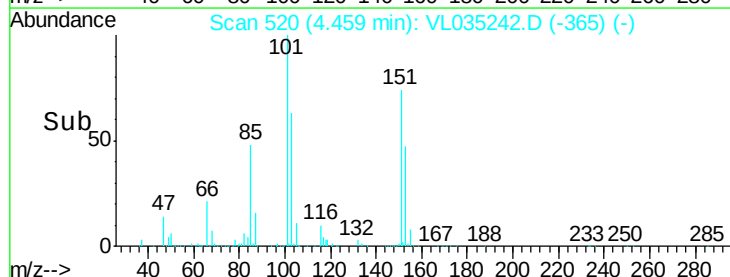
600000

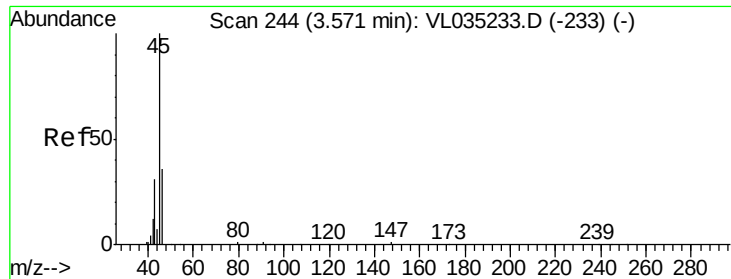
400000

200000

0

Time-->

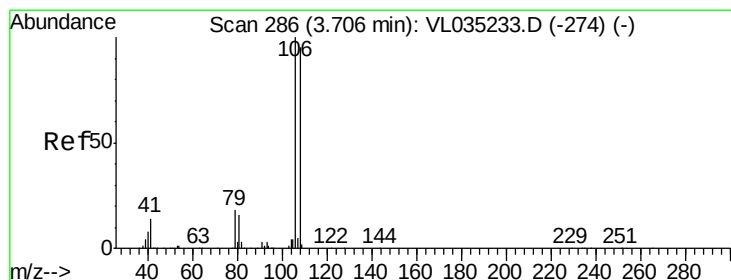
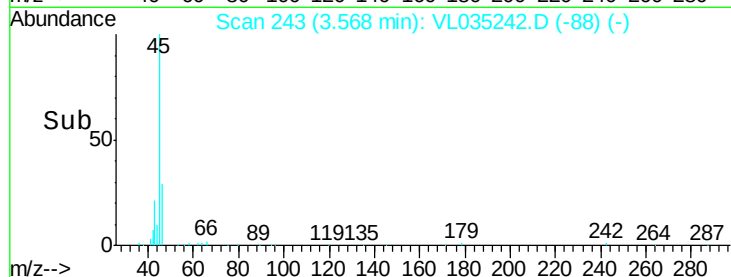
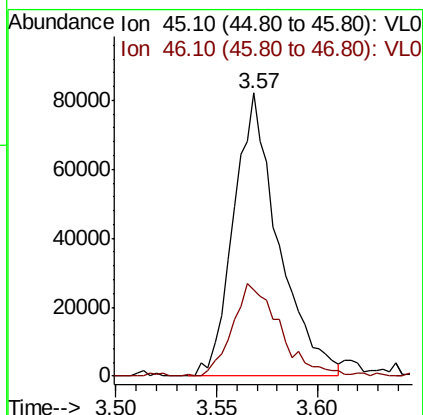
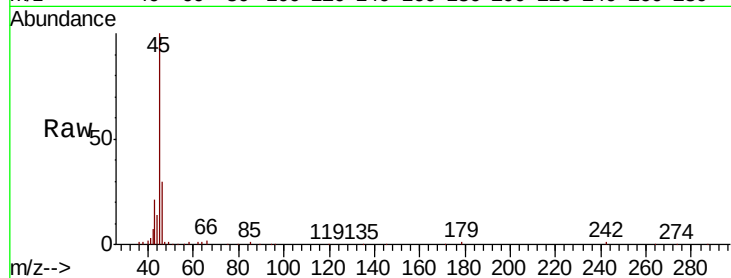




#13
Ethanol
Concen: 5.628 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

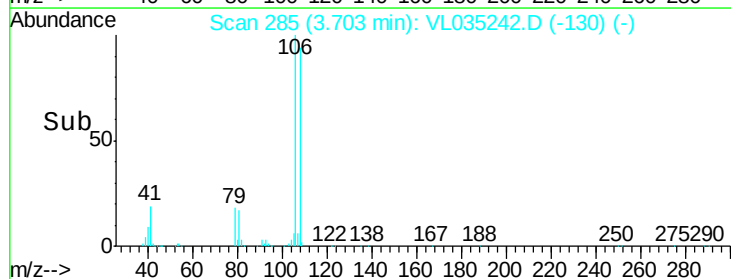
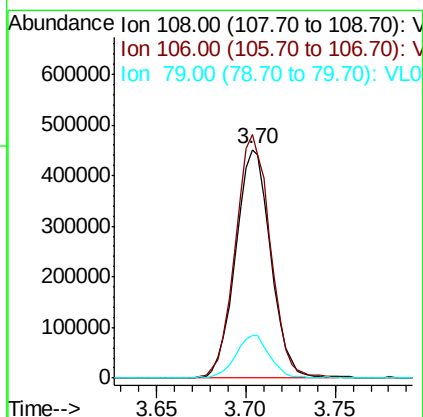
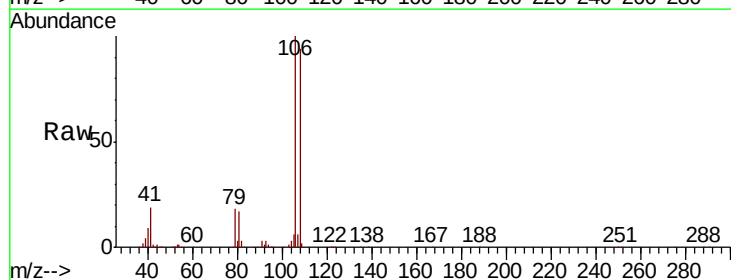
Instrument :
MSVOA_L
ClientSampleId :

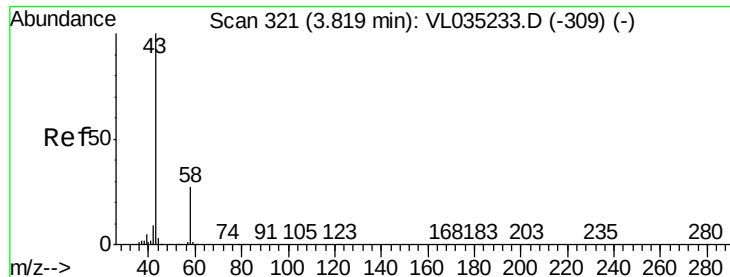
Tot Ion: 45 Resp: 126950
Ion Ratio Lower Upper
45 100
46 35.6 15.8 63.4



#14
Bromoethene
Concen: 9.298 ppbv
RT: 3.70 min Scan# 285
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 108 Resp: 620909
Ion Ratio Lower Upper
108 100
106 106.4 85.0 127.6
79 18.5 15.4 23.2





#15

Acetone

Concen: 7.793 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

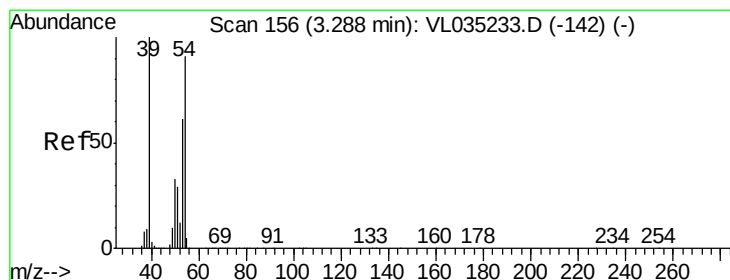
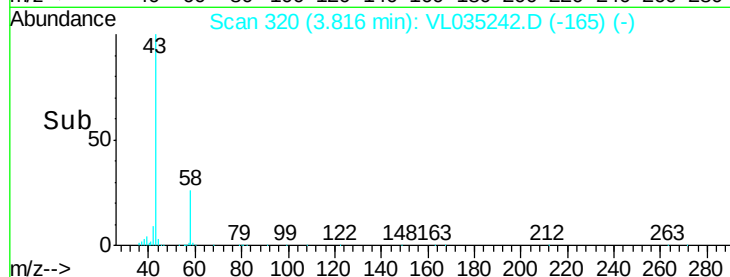
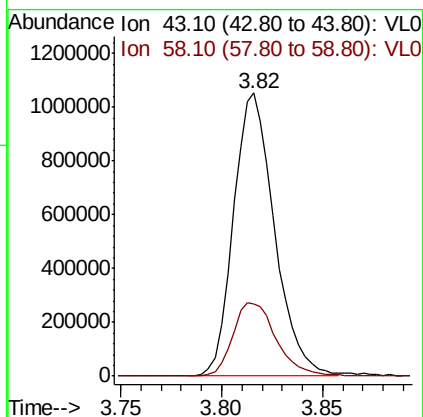
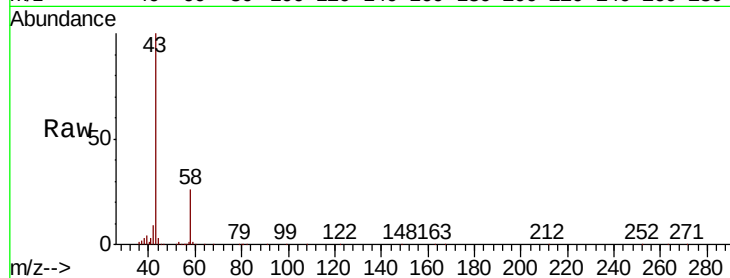
ClientSampleId :

Tot Ion: 43 Resp: 1492888

Ion Ratio Lower Upper

43 100

58 27.6 21.8 32.6



#16

1,3-Butadiene

Concen: 9.625 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.00 min

Lab File: VL035242.D

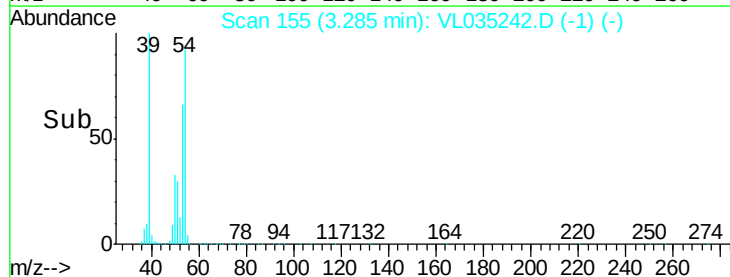
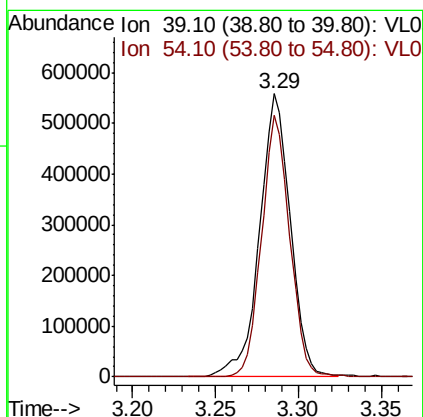
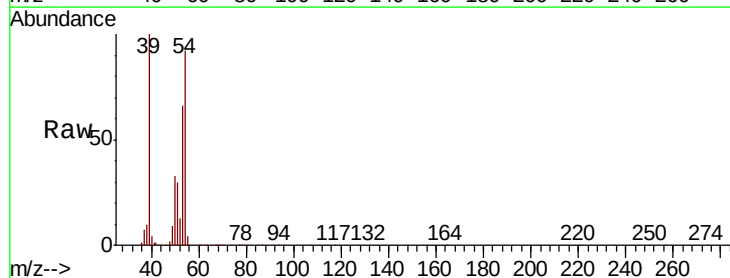
Acq: 29 Jul 2020 11:23

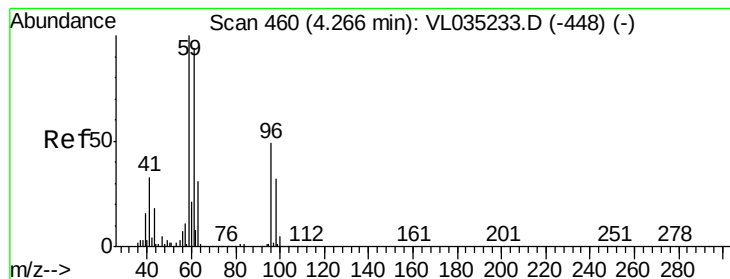
Tgt Ion: 39 Resp: 719285

Ion Ratio Lower Upper

39 100

54 84.9 68.2 102.2



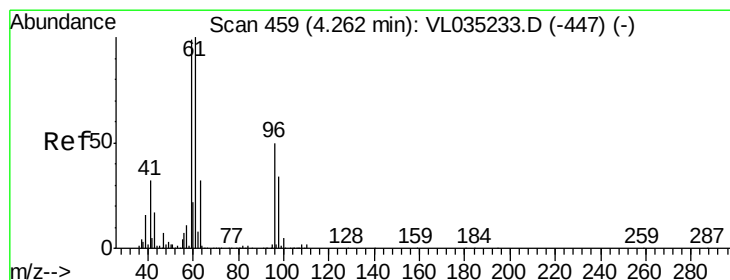
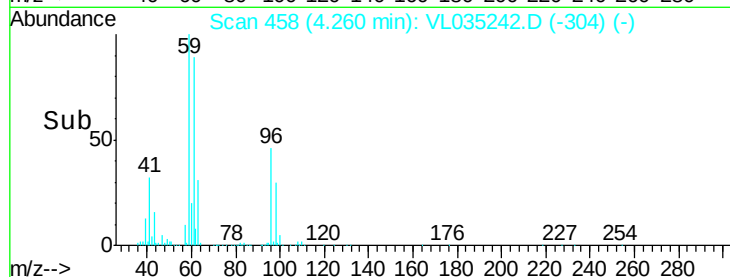
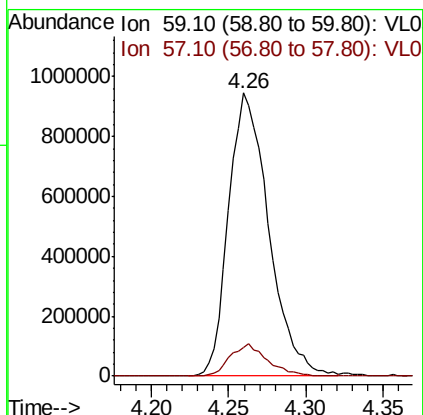
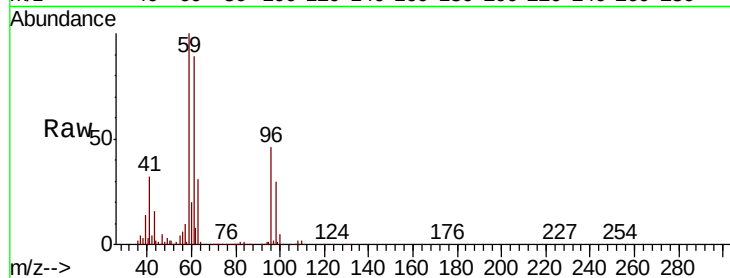


#17

tert-Butyl alcohol
Concen: 9.222 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :

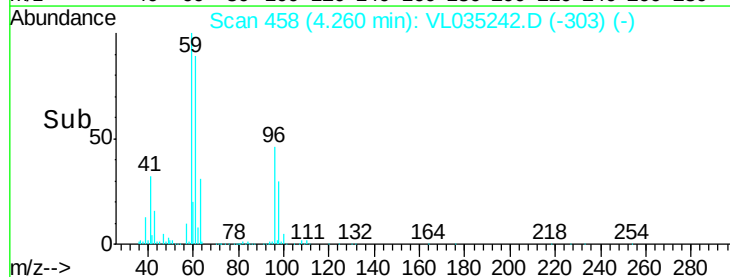
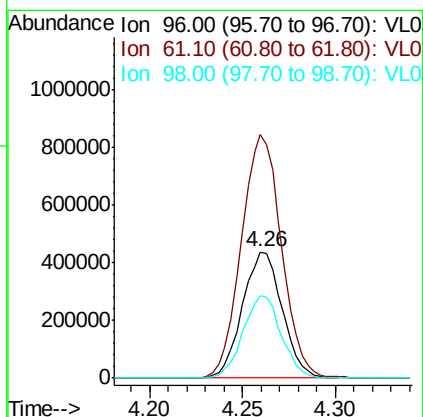
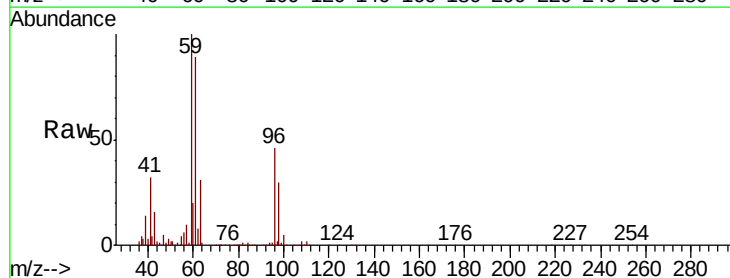
Tot Ion: 59 Resp: 1705091
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

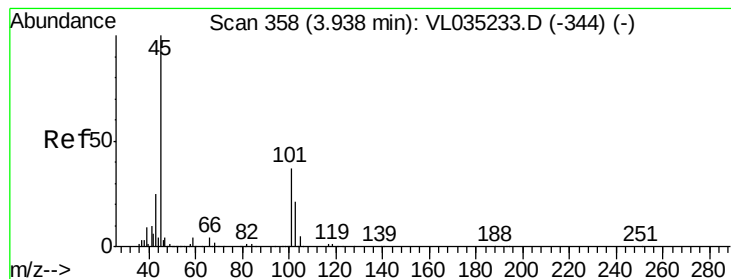


#18

1,1-Dichloroethene
Concen: 8.933 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 96 Resp: 649053
Ion Ratio Lower Upper
96 100
61 192.7 159.4 239.2
98 64.7 53.9 80.9





#19

Isopropyl Alcohol

Concen: 8.568 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

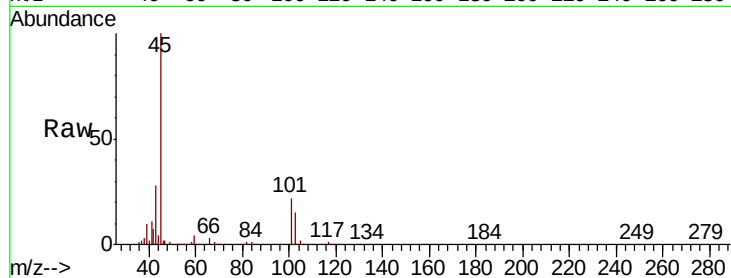
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 45 Resp: 1082518

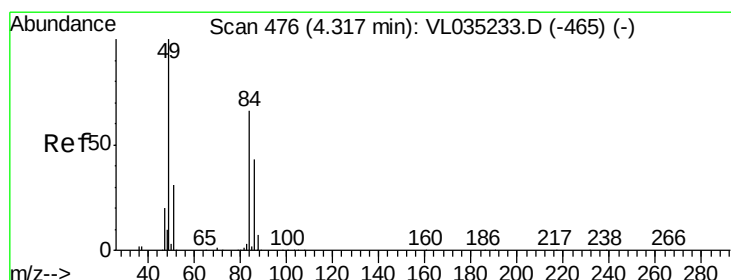
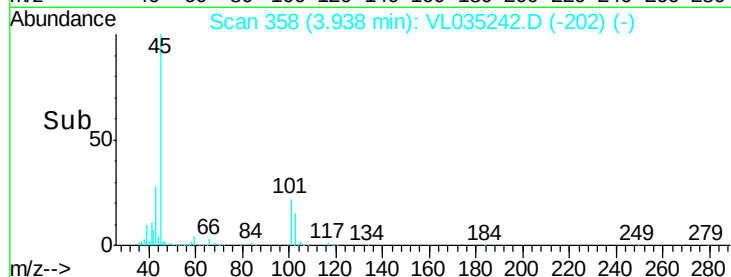
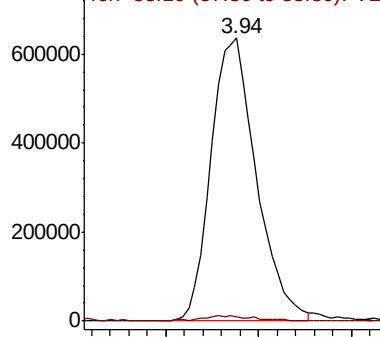
Ion Ratio Lower Upper

45 100

58 2.2 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.064 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion: 84 Resp: 615981

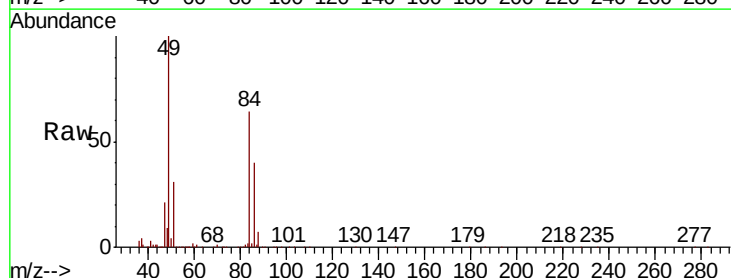
Ion Ratio Lower Upper

84 100

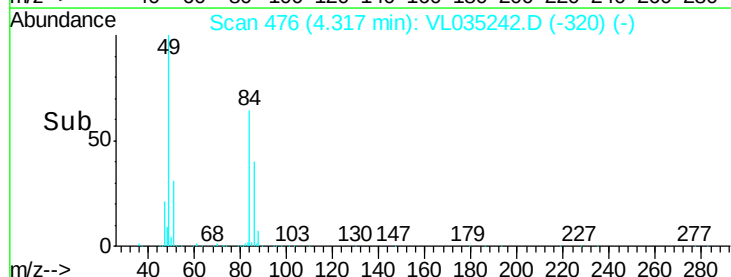
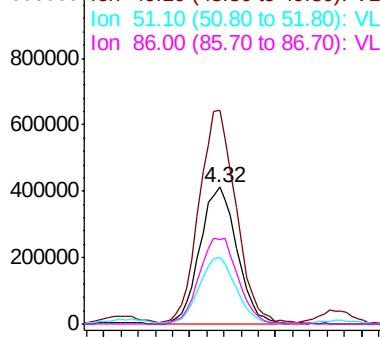
49 155.2 121.0 181.4

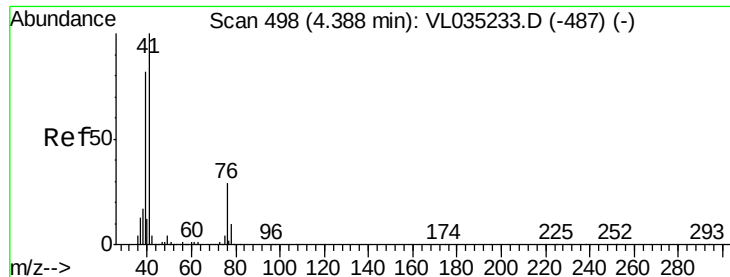
51 47.7 37.7 56.5

86 61.6 52.2 78.4



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

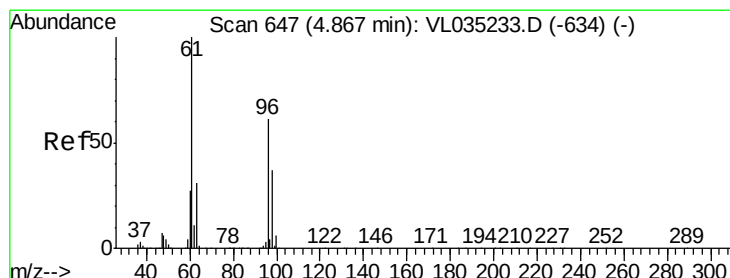
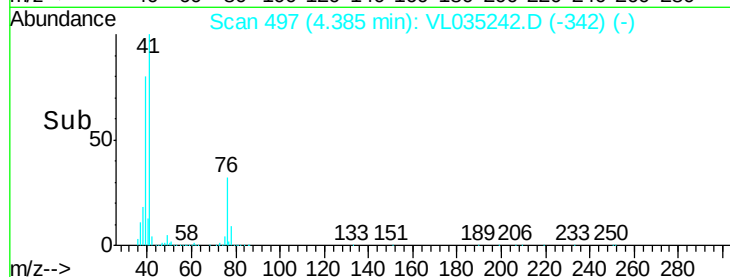
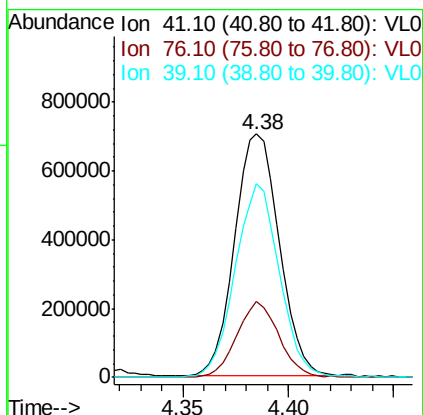
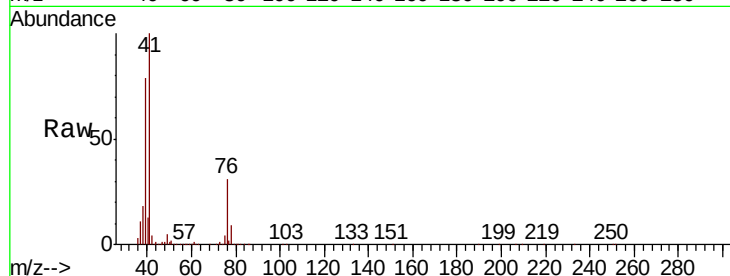




#21
Allvl Chloride
Concen: 9.526 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

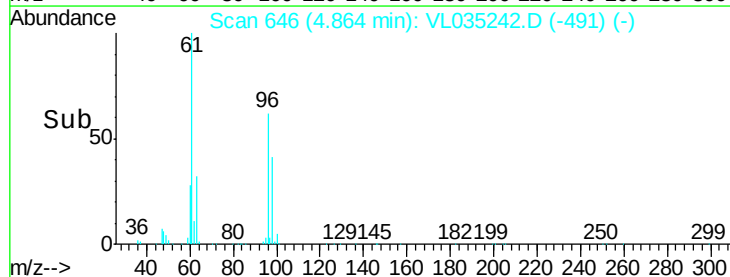
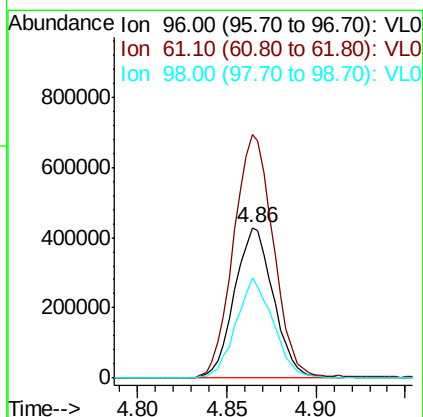
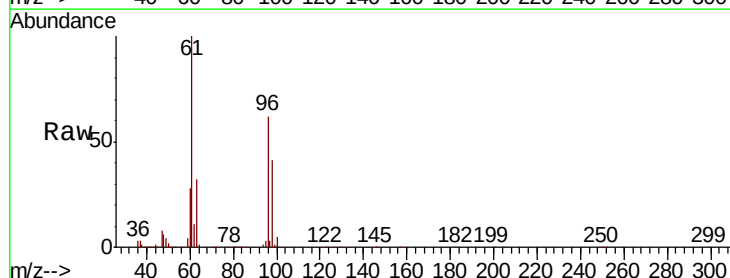
Instrument :
MSVOA_L
ClientSampleId :

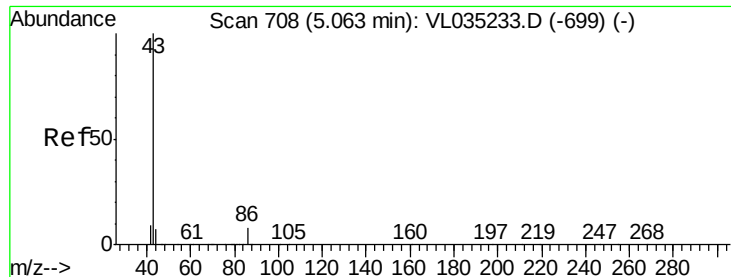
Tot Ion: 41 Resp: 1039285
Ion Ratio Lower Upper
41 100
76 29.5 24.4 36.6
39 78.6 63.8 95.8



#22
trans-1,2-Dichloroethene
Concen: 9.274 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 96 Resp: 647430
Ion Ratio Lower Upper
96 100
61 161.4 131.6 197.4
98 66.4 49.0 73.4





#23

Vinyl Acetate

Concen: 10.225 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.01 min

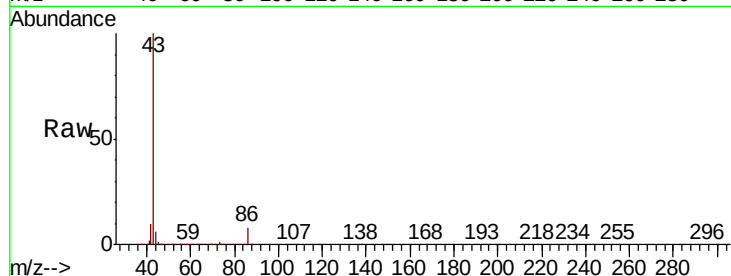
Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

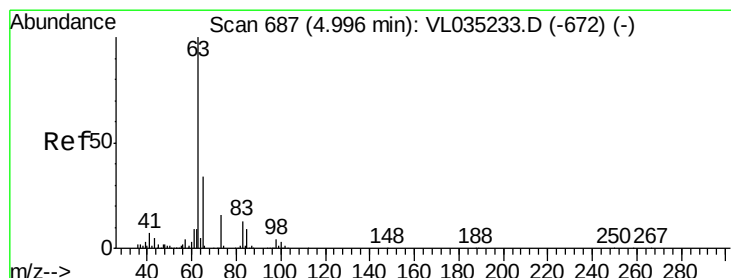
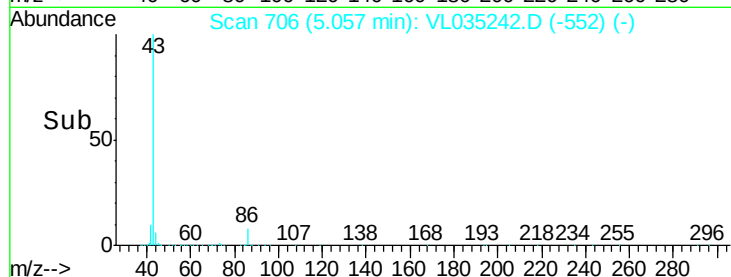
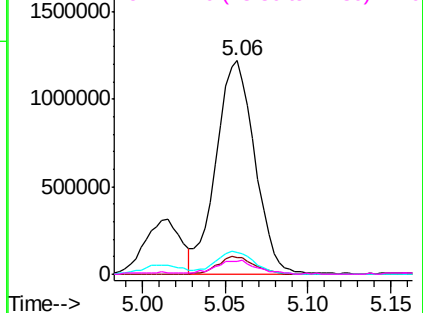
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1968198

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.2
42	10.2	8.0	12.0
44	5.7	5.2	7.8



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: 9.096 ppbv

RT: 4.99 min Scan# 686

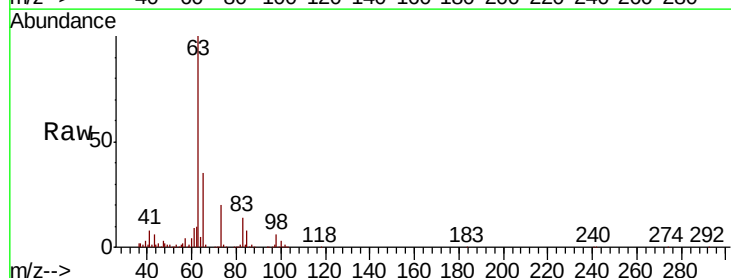
Delta R.T. -0.00 min

Lab File: VL035242.D

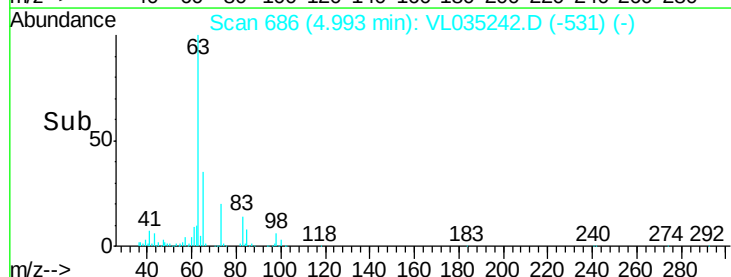
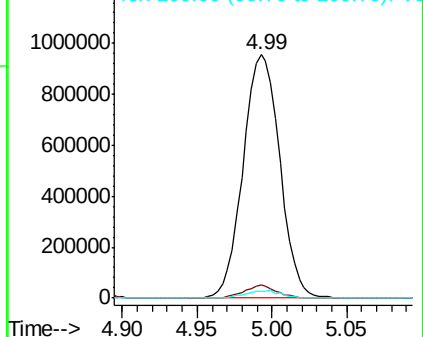
Acq: 29 Jul 2020 11:23

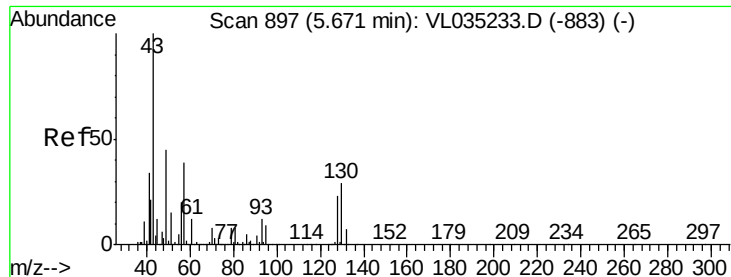
Tgt Ion: 63 Resp: 1632928

Ion	Ratio	Lower	Upper
63	100		
98	5.6	1.9	5.7
100	3.1	1.4	4.2



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: 9.370 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2803278

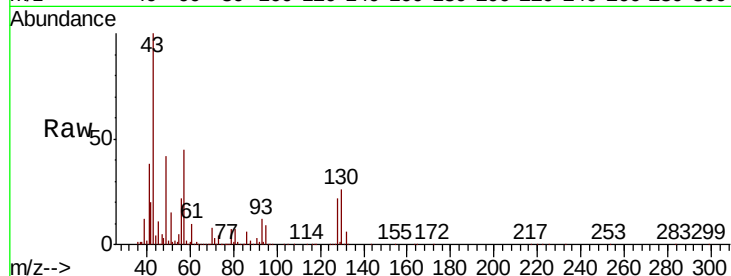
Ion Ratio Lower Upper

43 100

45 10.4 8.5 12.7

61 10.2 8.1 12.1

70 8.0 6.2 9.4

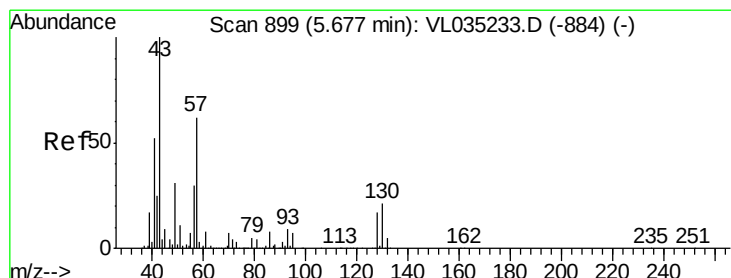
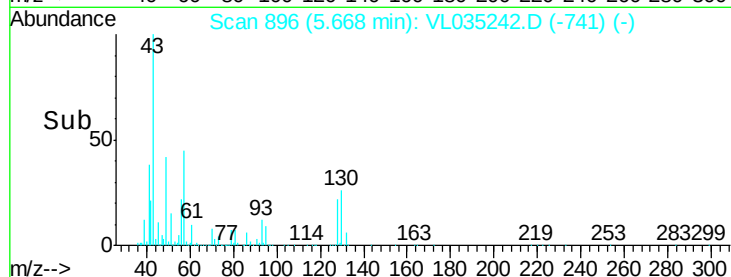
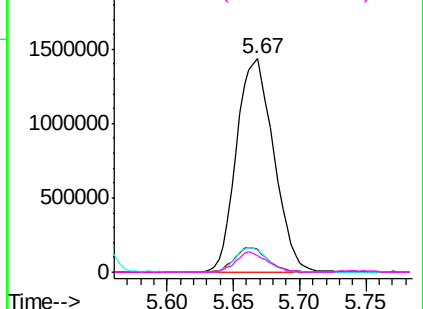


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.555 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion: 57 Resp: 1289535

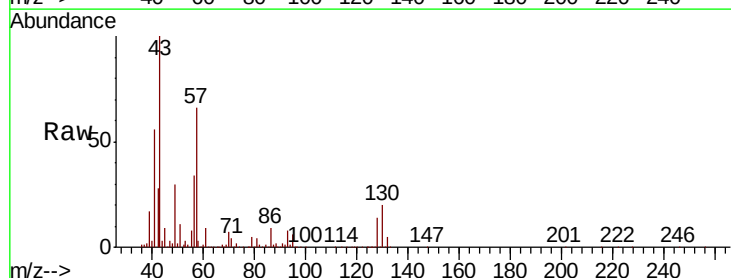
Ion Ratio Lower Upper

57 100

41 91.0 73.9 110.9

43 218.3 177.6 266.4

56 54.2 43.0 64.4

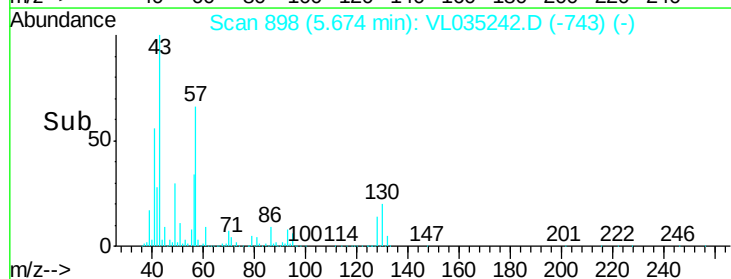
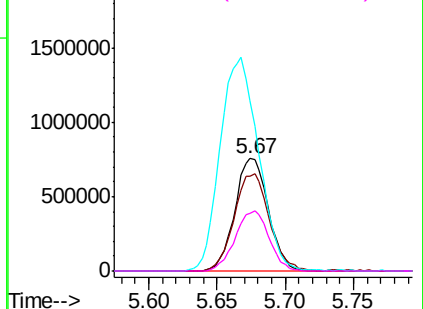


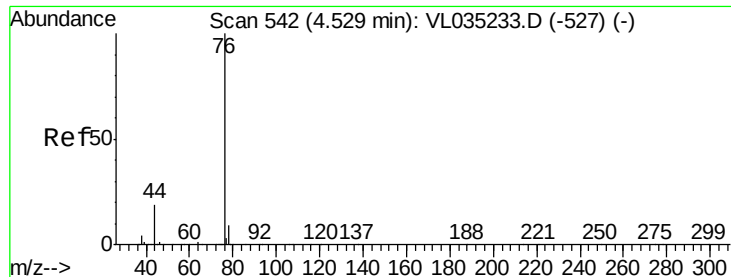
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 9.274 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

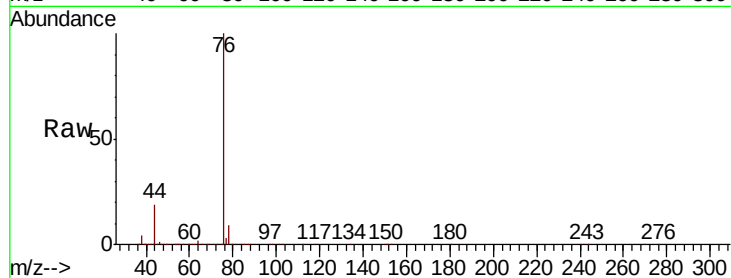
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 76 Resp: 1691000

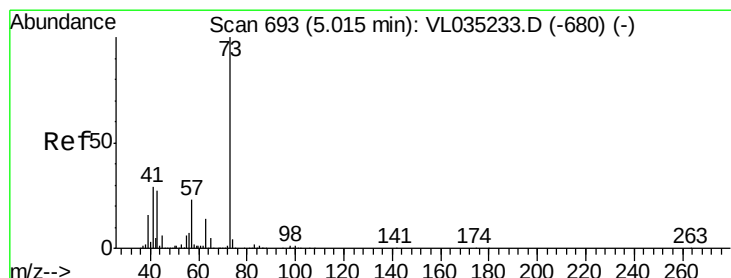
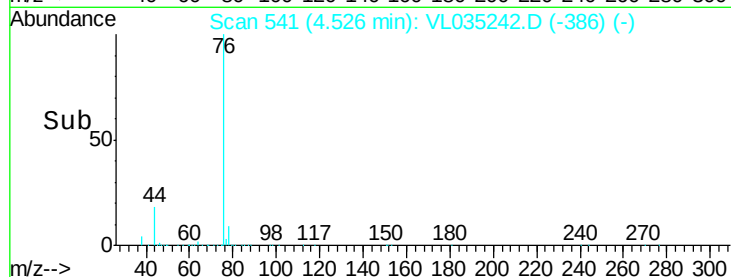
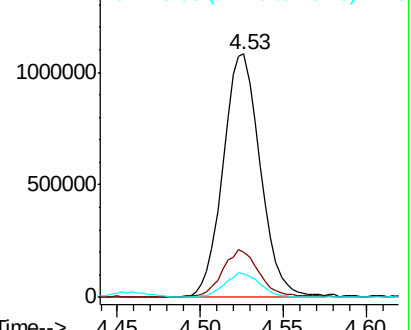
Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.7	22.1
78	9.7	7.6	11.4



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: 10.247 ppbv

RT: 5.01 min Scan# 692

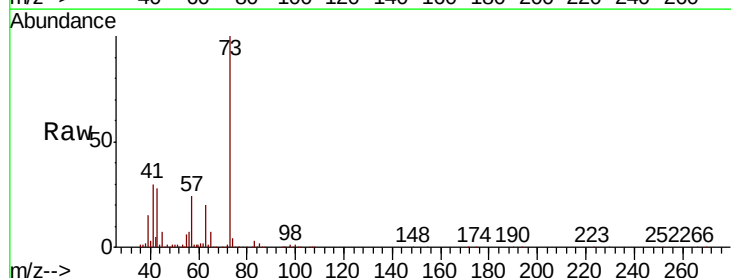
Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

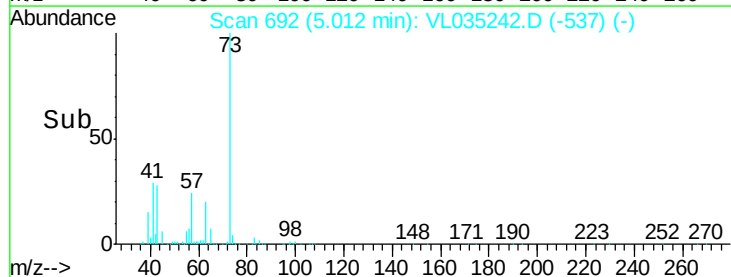
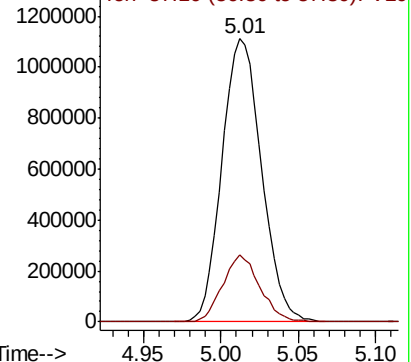
Tgt Ion: 73 Resp: 1976945

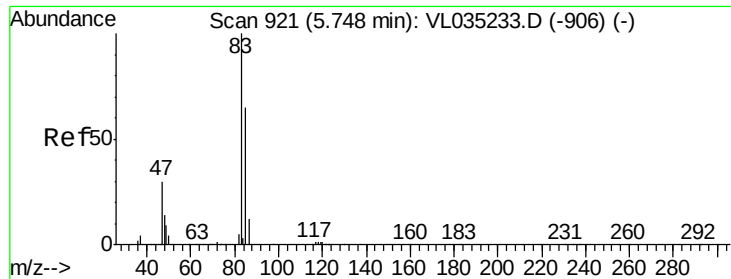
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.2	27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

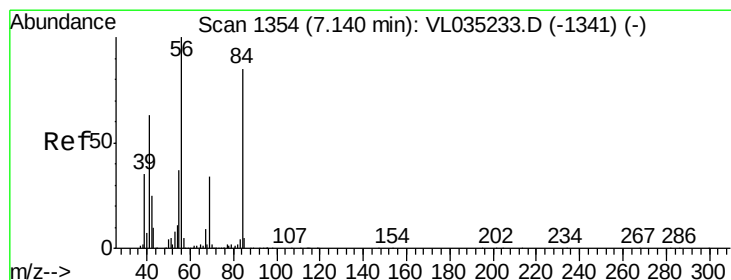
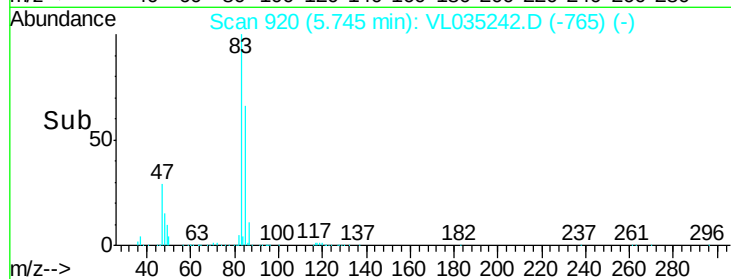
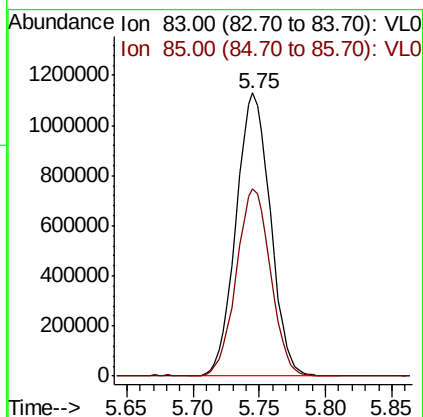
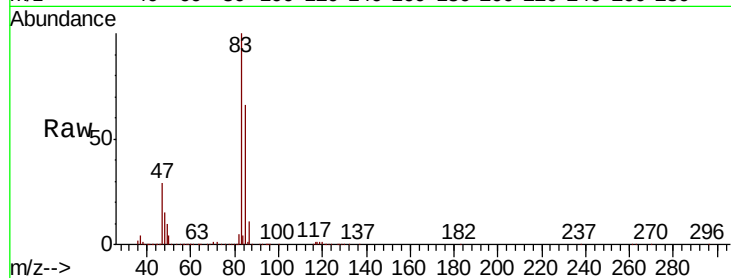




#29
Chloroform
Concen: 8.966 ppbv
RT: 5.75 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

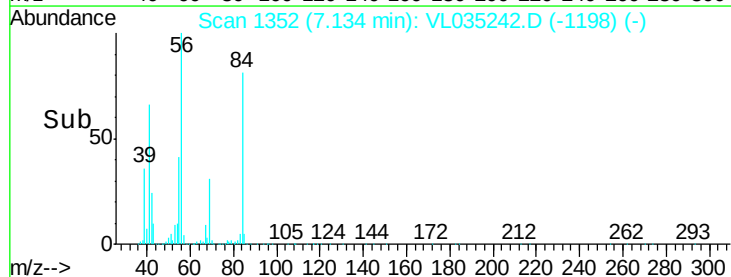
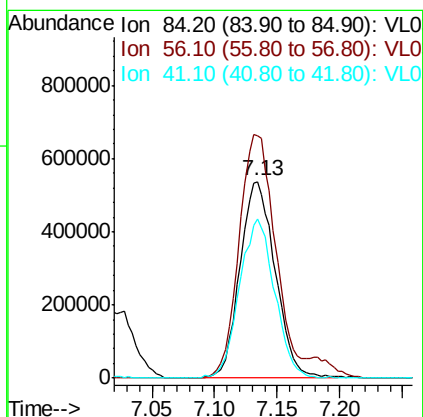
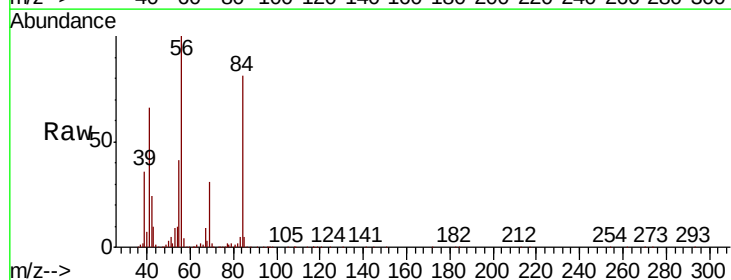
Instrument :
MSVOA_L
ClientSampleId :

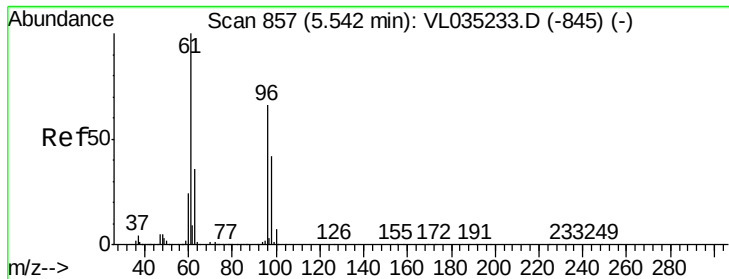
Tot Ion: 83 Resp: 2029622
Ion Ratio Lower Upper
83 100
85 66.2 51.7 77.5



#30
Cyclohexane
Concen: 10.928 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 84 Resp: 1054176
Ion Ratio Lower Upper
84 100
56 135.1 104.2 156.2
41 80.8 63.7 95.5



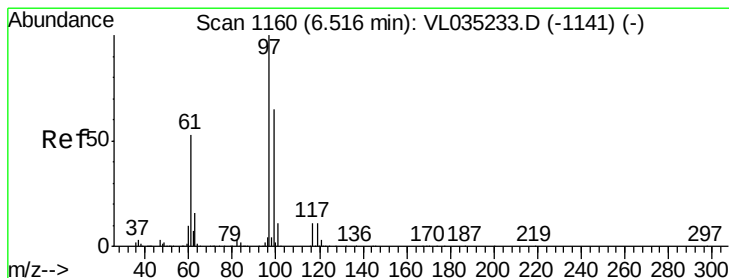
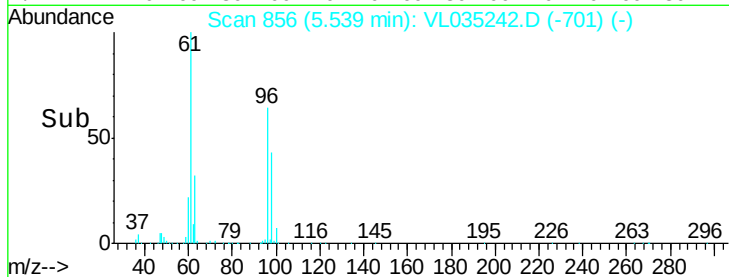
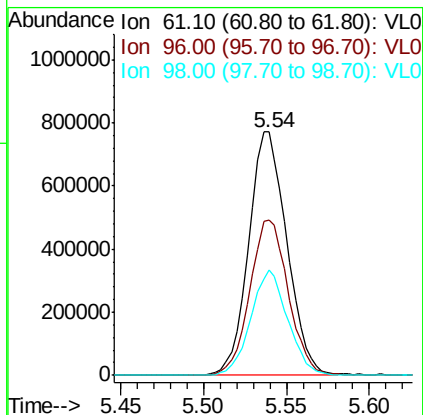
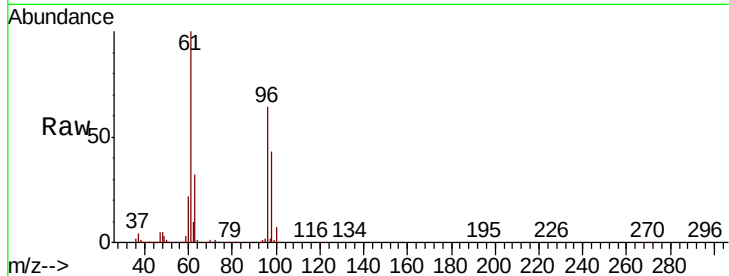


#31

cis-1,2-Dichloroethene
 Concen: 10.479 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampled :

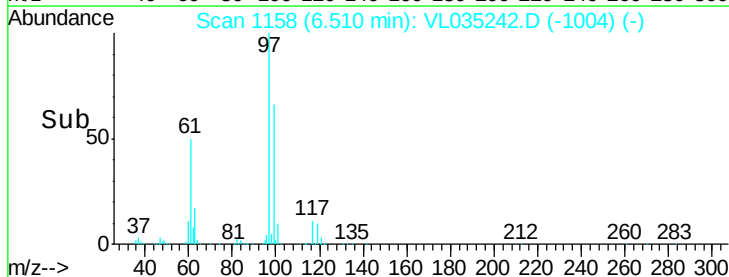
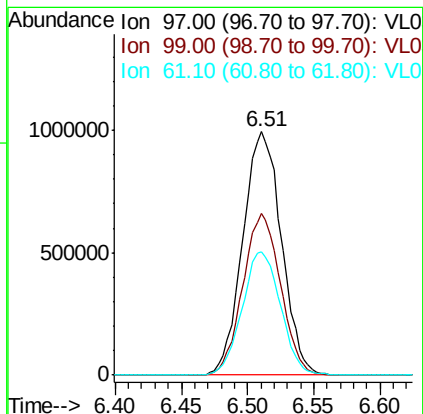
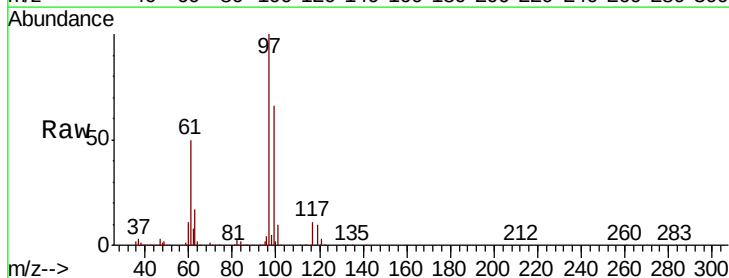
Tot Ion: 61 Resp: 1232801
 Ion Ratio Lower Upper
 61 100
 96 63.7 52.6 78.8
 98 43.3 33.7 50.5

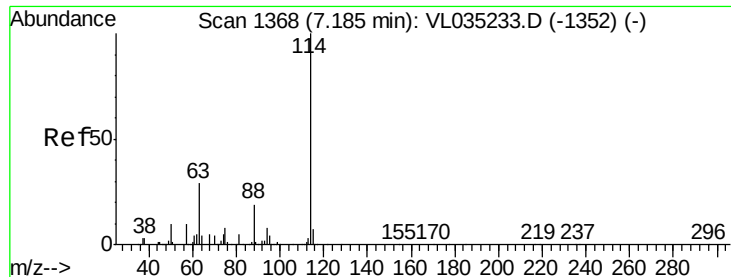


#32

1,1,1-Trichloroethane
 Concen: 8.691 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion: 97 Resp: 2013518
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.0
 61 50.3 40.4 60.6



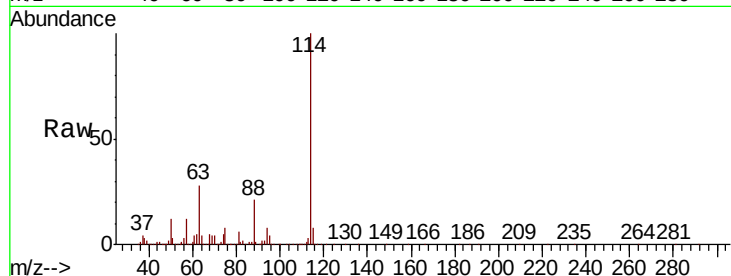


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

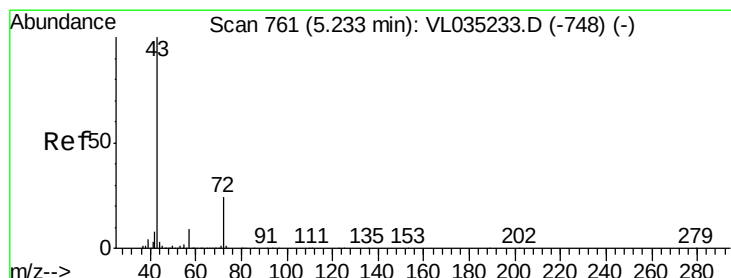
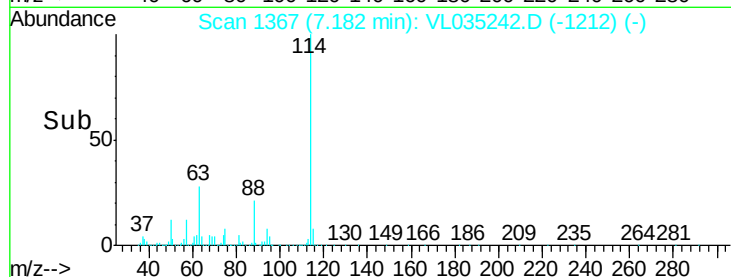
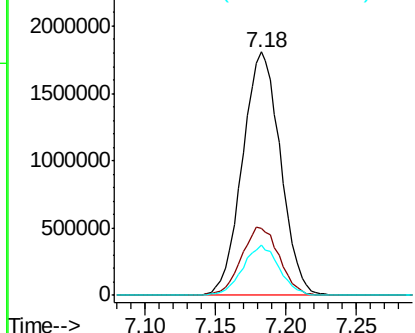
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3414076

Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.2	33.2
88	19.7	15.4	23.0



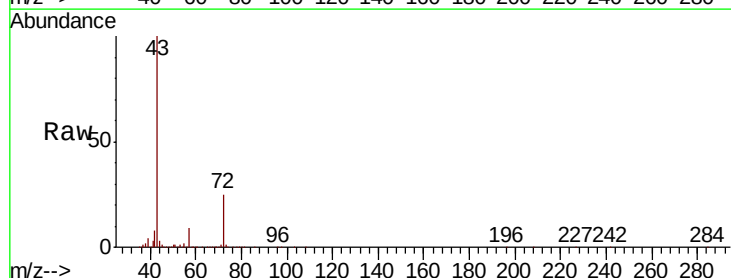
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



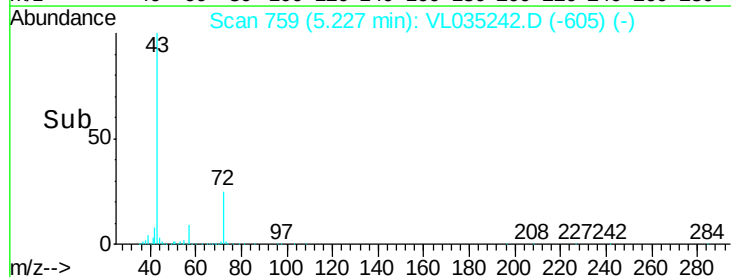
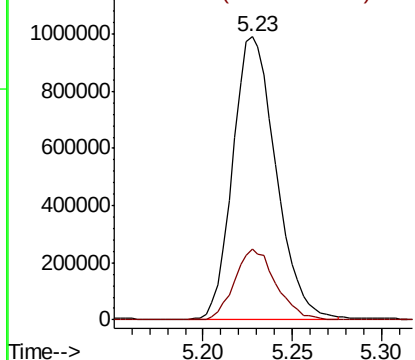
#34
 2-Butanone
 Concen: 9.587 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

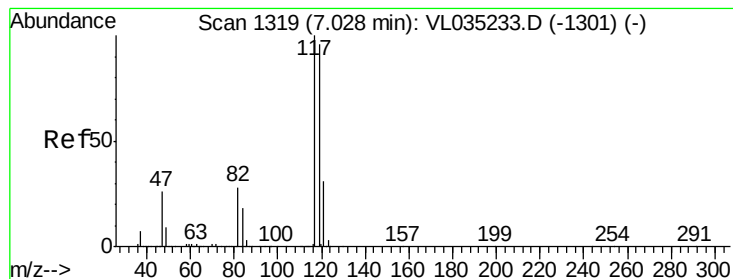
Tgt Ion: 43 Resp: 1665346

Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.2	28.8



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





#35

Carbon Tetrachloride

Concen: 9.129 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

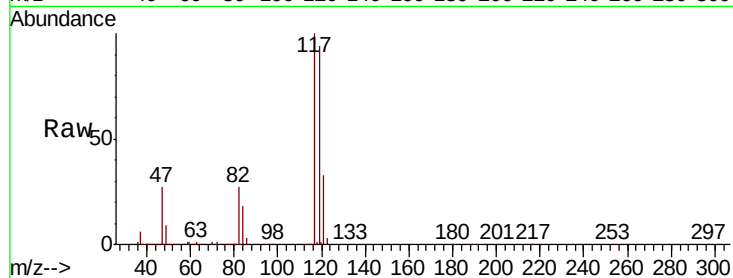
Tot Ion:117 Resp: 2086736

Ion Ratio Lower Upper

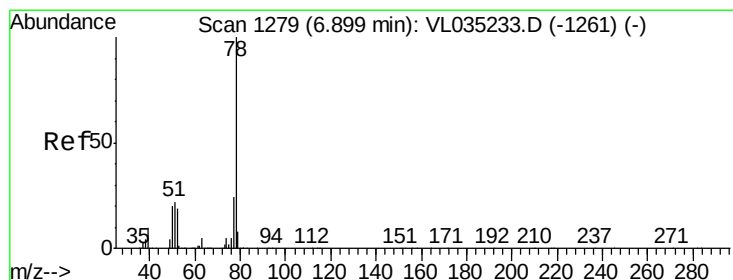
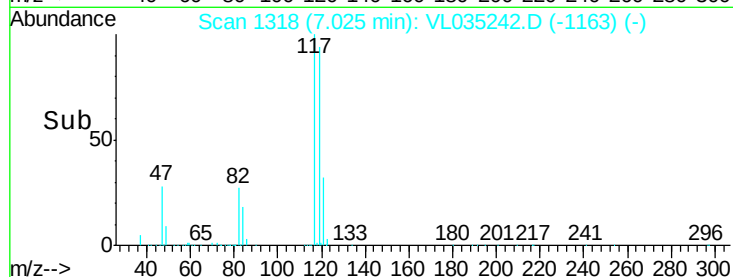
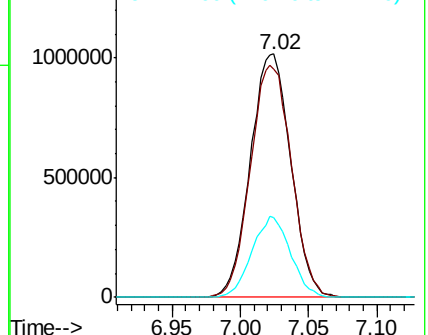
117 100

119 93.8 76.8 115.2

121 32.6 24.5 36.7



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: 10.405 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

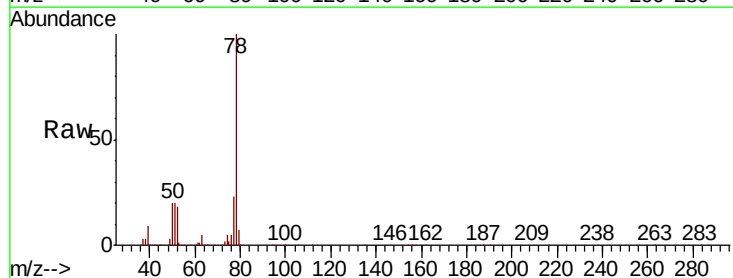
Tgt Ion: 78 Resp: 2468774

Ion Ratio Lower Upper

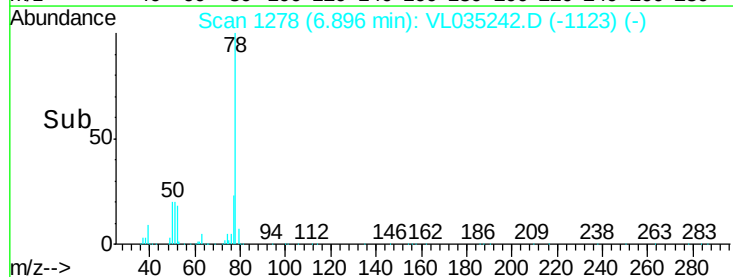
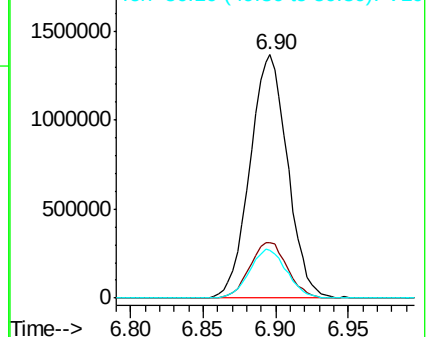
78 100

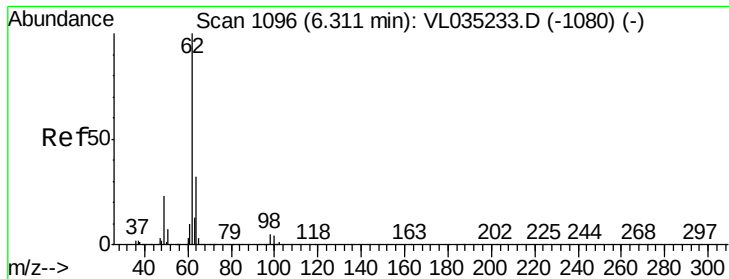
77 22.6 18.9 28.3

50 19.6 16.1 24.1



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

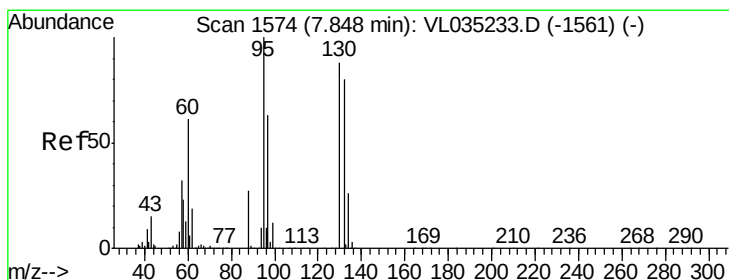
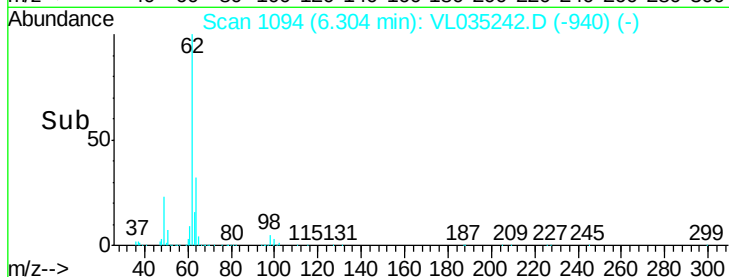
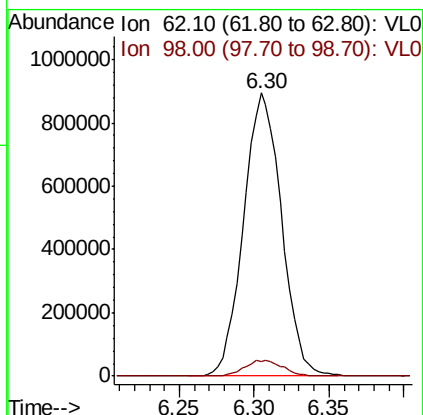
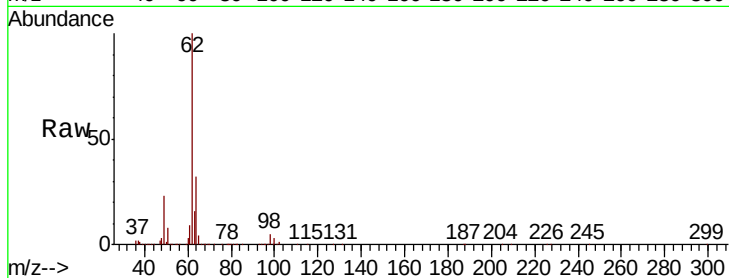




#37
 1,2-Dichloroethane
 Concen: 9.521 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

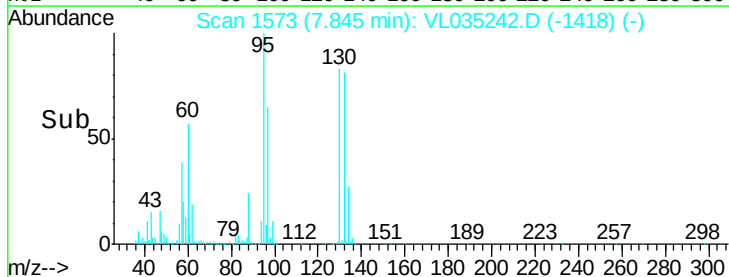
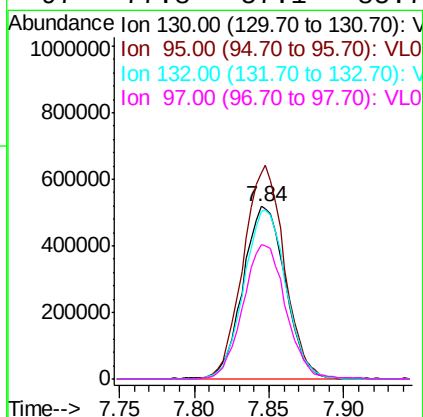
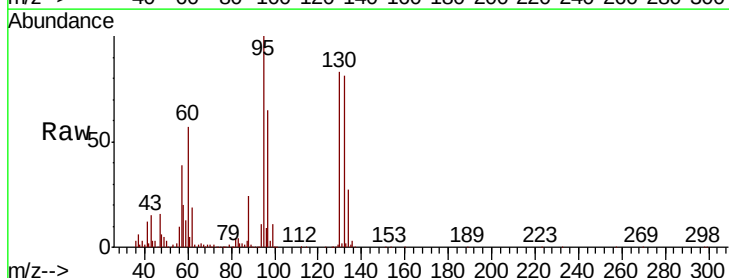
Instrument :
 MSVOA_L
 ClientSampleId :

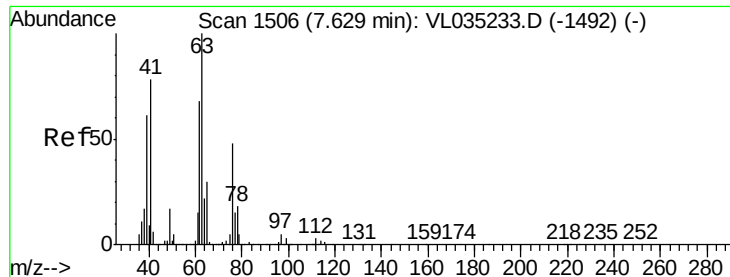
Tot Ion: 62 Resp: 1579264
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.5 6.7



#38
 Trichloroethene
 Concen: 10.390 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion: 130 Resp: 1021686
 Ion Ratio Lower Upper
 130 100
 95 119.9 90.7 136.1
 132 97.4 72.9 109.3
 97 77.8 57.1 85.7





#39

1,2-Dichloropropane

Concen: 10.306 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

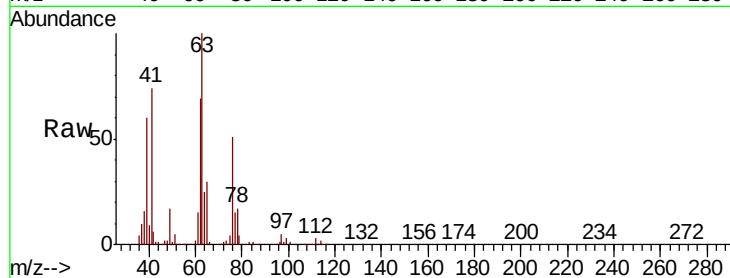
Tot Ion: 63 Resp: 975626

Ion Ratio Lower Upper

63 100

41 74.2 62.2 93.4

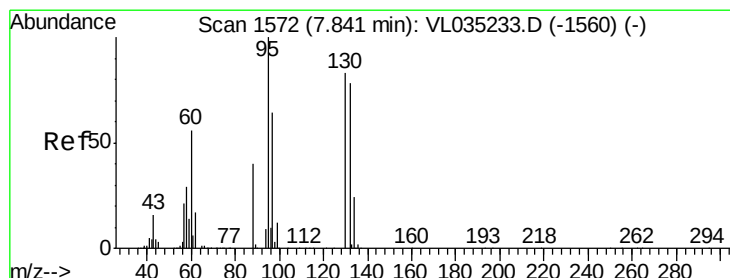
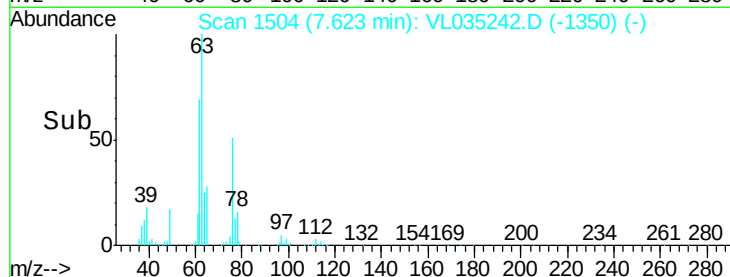
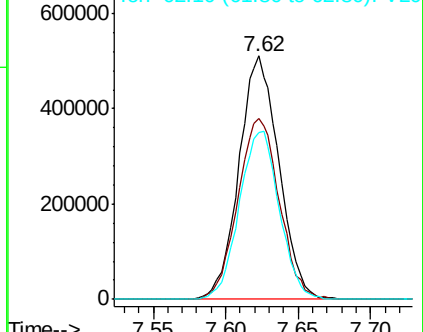
62 68.8 54.2 81.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.022 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion: 88 Resp: 373599

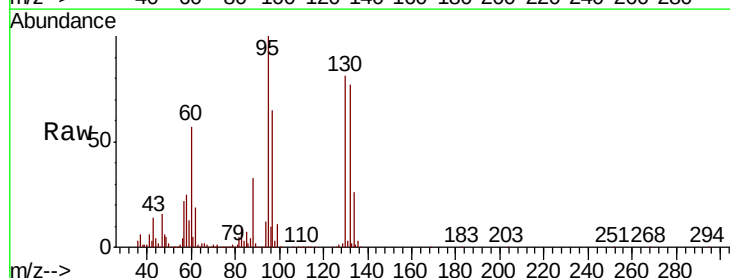
Ion Ratio Lower Upper

88 100

58 131.9 99.3 148.9

43 0.0 195.6 293.4#

57 0.0 854.3 1281.5#

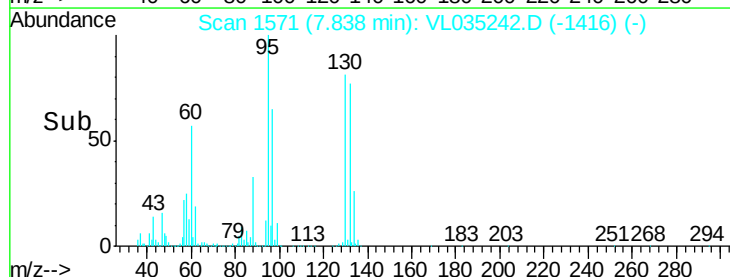
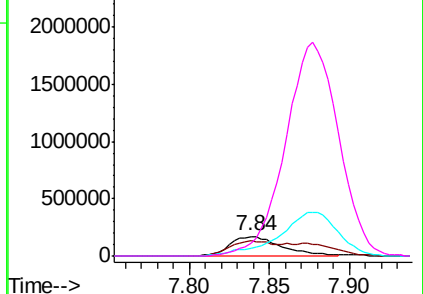


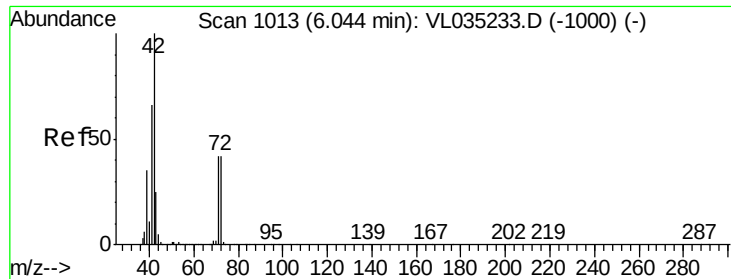
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

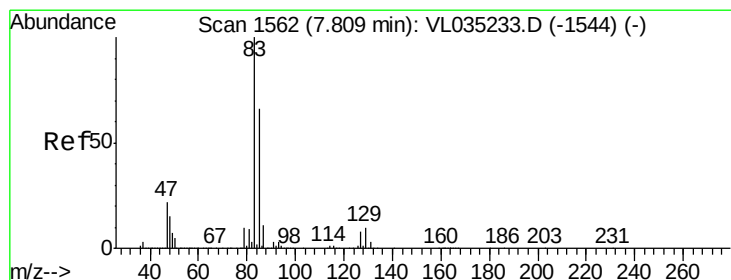
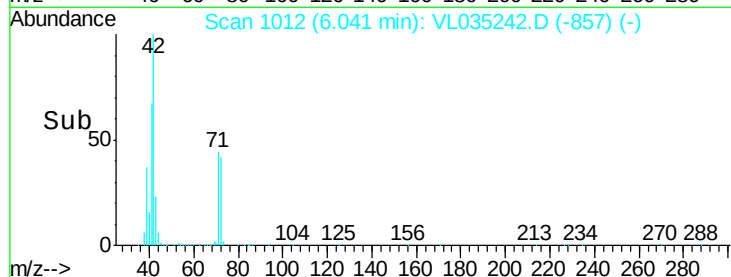
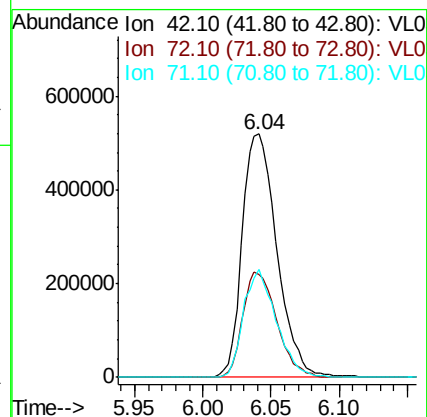
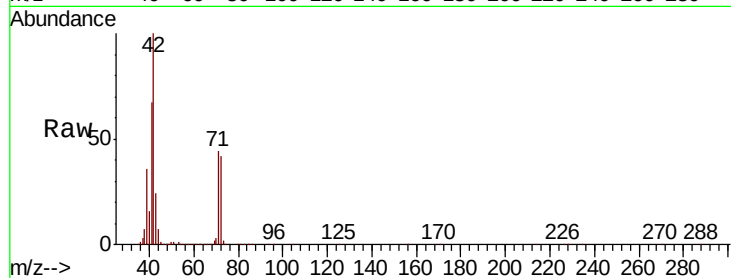




#41
Tetrahydrofuran
Concen: 10.811 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

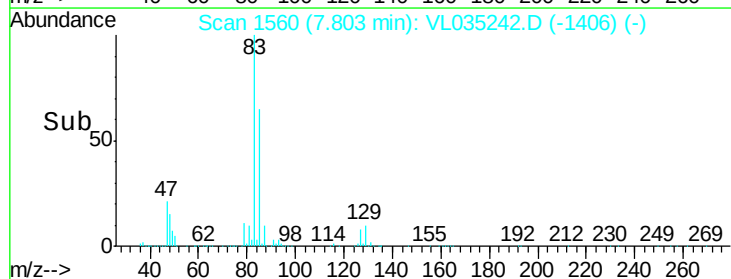
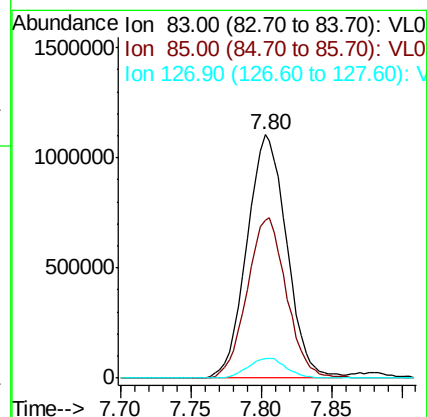
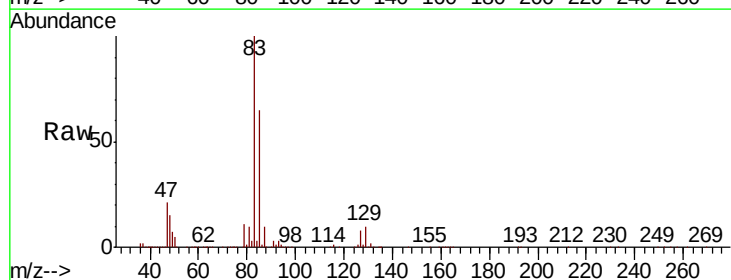
Instrument :
MSVOA_L
ClientSampleId :

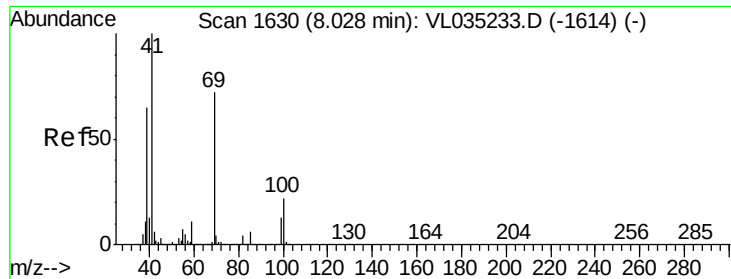
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	41.8	33.2	49.8



#42
Bromodichloromethane
Concen: 9.849 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.9	79.3
127	7.8	6.5	9.7

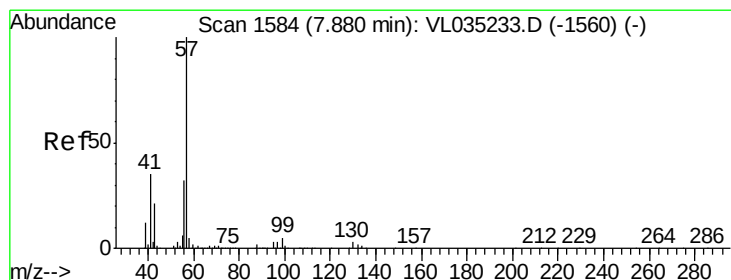
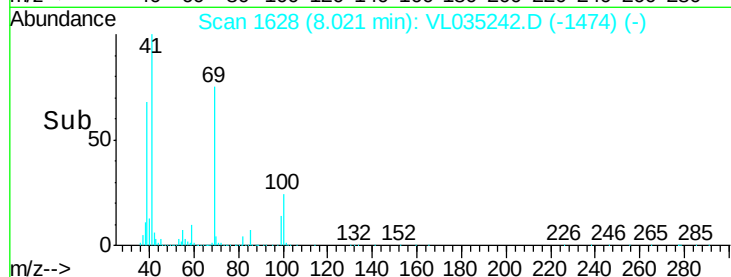
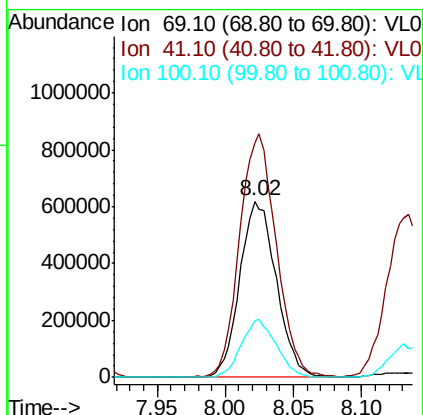
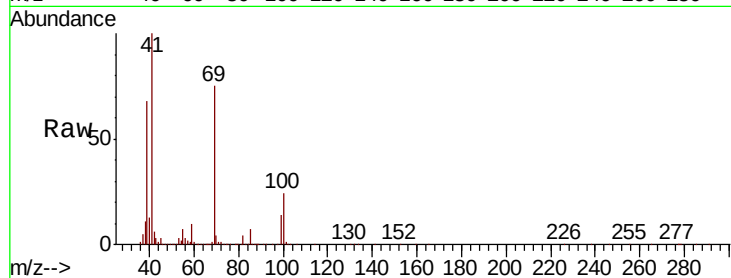




#43
Methvl Methacrylate
Concen: 11.197 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

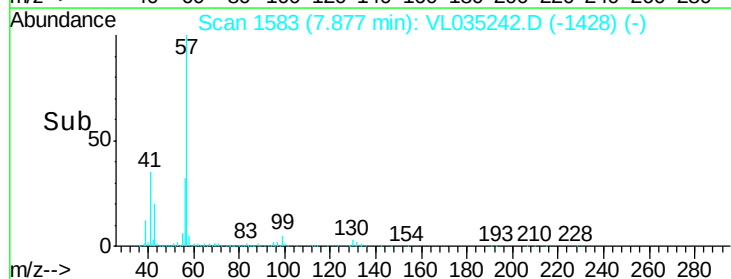
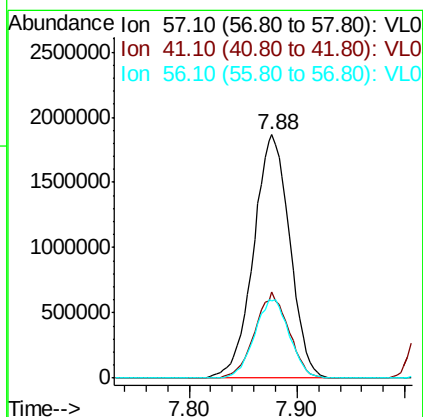
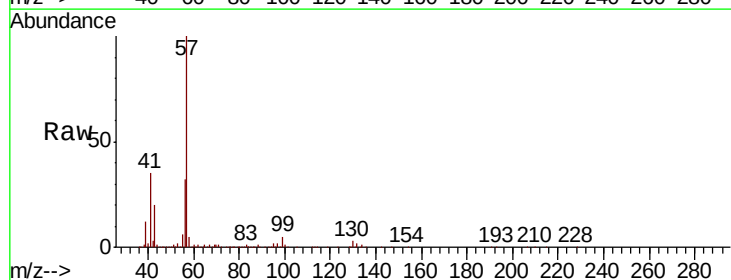
Instrument :
MSVOA_L
ClientSampleId :

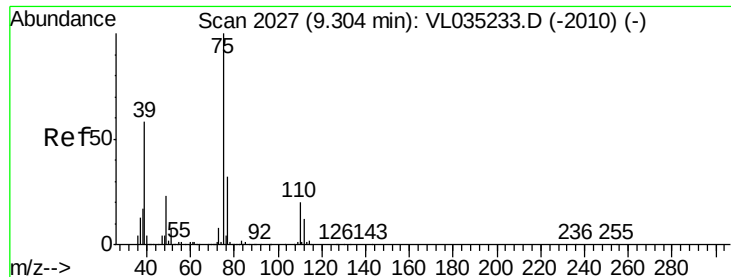
Tot Ion: 69 Resp: 1151095
Ion Ratio Lower Upper
69 100
41 139.3 113.0 169.4
100 31.7 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.381 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion: 57 Resp: 4339670
Ion Ratio Lower Upper
57 100
41 33.0 27.0 40.4
56 31.3 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 12.131 ppbv

RT: 9.30 min Scan# 2025

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

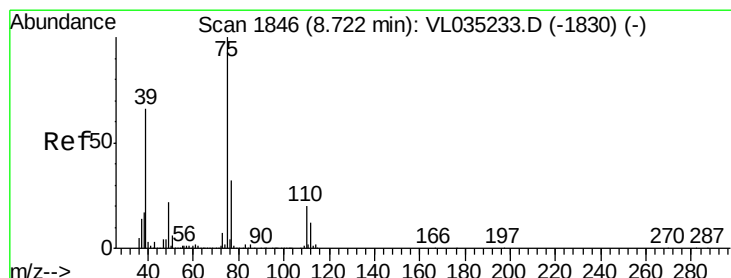
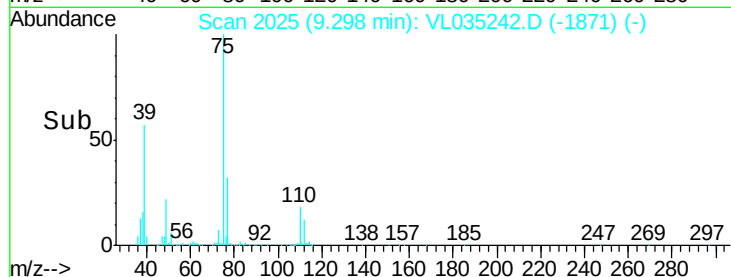
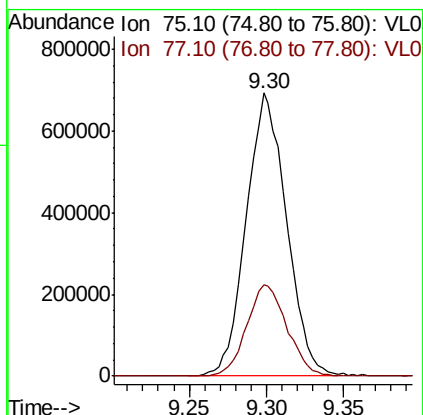
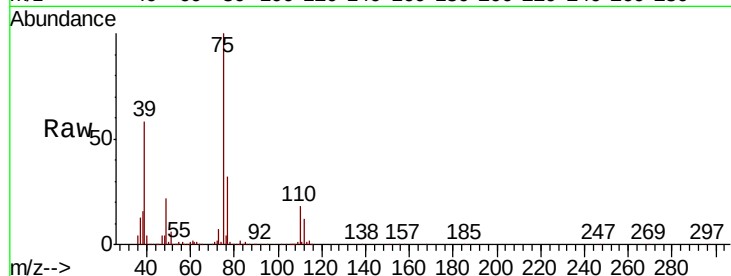
ClientSampleId :

Tot Ion: 75 Resp: 1256601

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 11.860 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

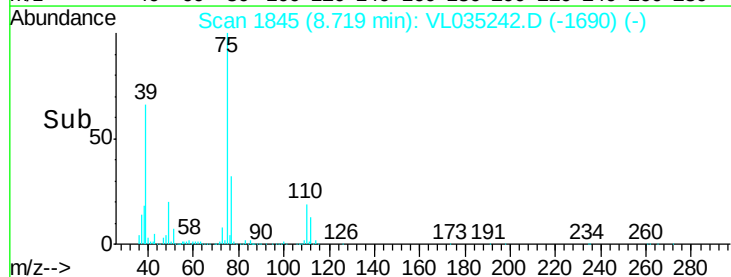
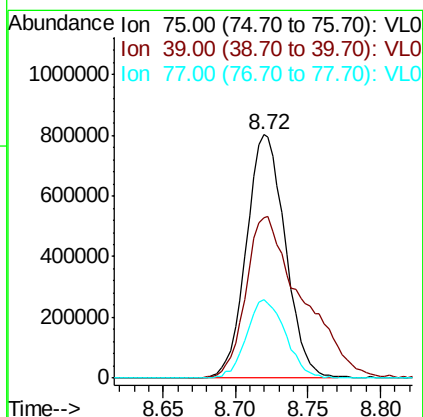
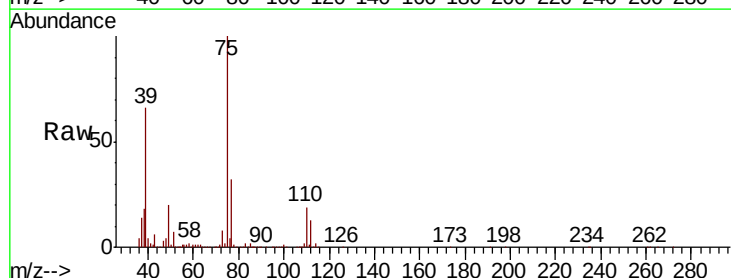
Tgt Ion: 75 Resp: 1496655

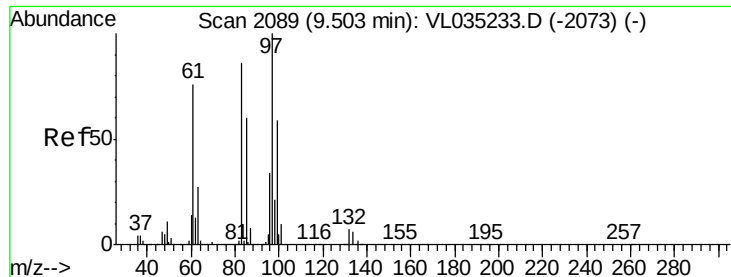
Ion Ratio Lower Upper

75 100

39 66.1 53.0 79.4

77 32.0 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.645 ppbv

RT: 9.50 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

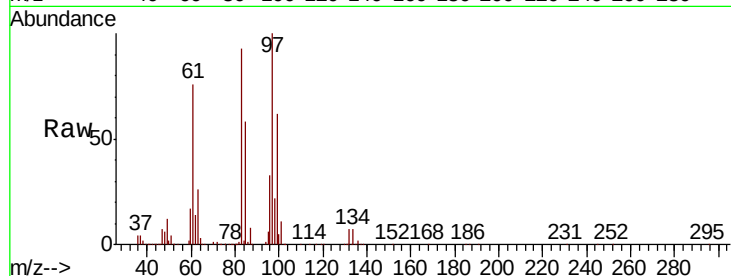
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1078637

Ion	Ratio	Lower	Upper
97	100		
83	92.9	69.0	103.4
85	57.8	47.8	71.8
99	61.5	47.6	71.4

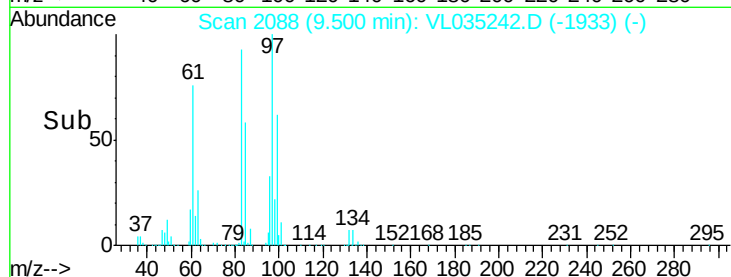


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

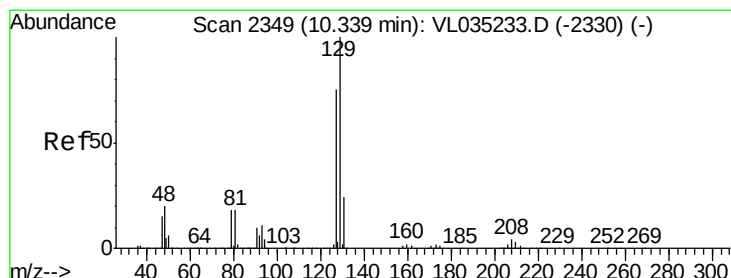
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



Time-->

9.40 9.45 9.50 9.55



#48

Dibromochloromethane

Concen: 10.452 ppbv

RT: 10.33 min Scan# 2347

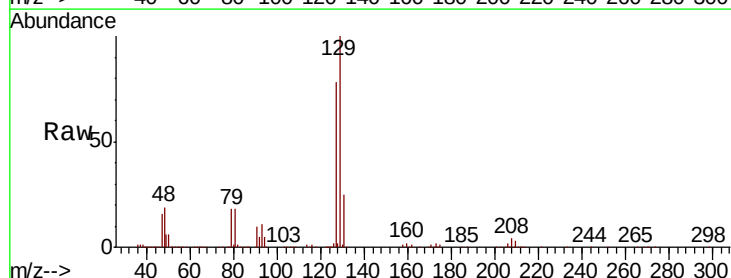
Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

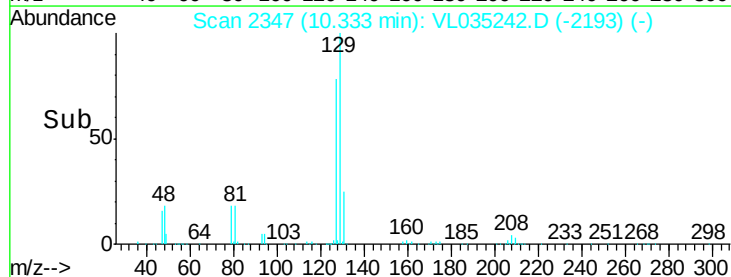
Tgt Ion: 129 Resp: 1840777

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.6	119.0



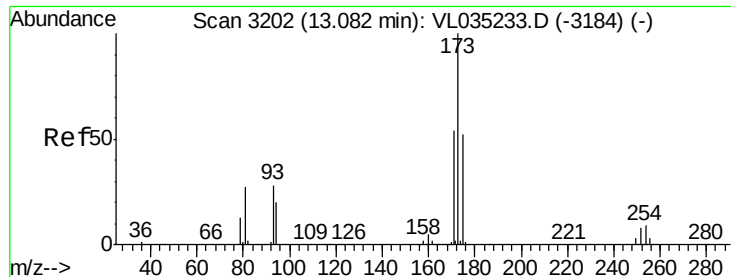
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->

10.30 10.33 10.40



#49

Bromoform

Concen: 10.481 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

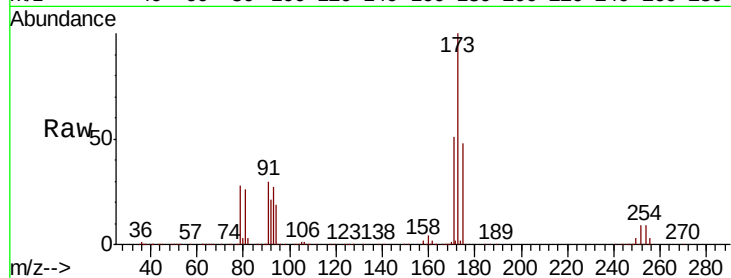
Tot Ion:173 Resp: 1659433

Ion Ratio Lower Upper

173 100

175 49.3 40.0 60.0

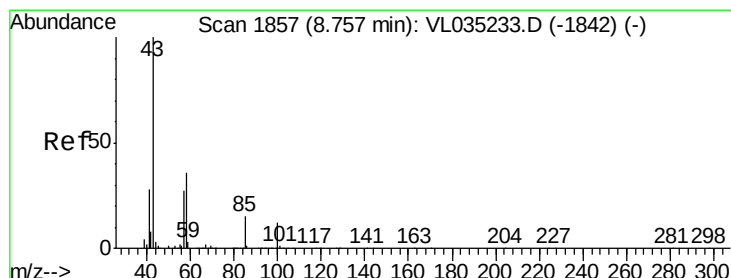
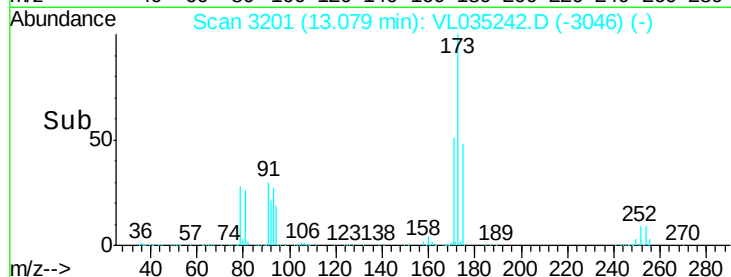
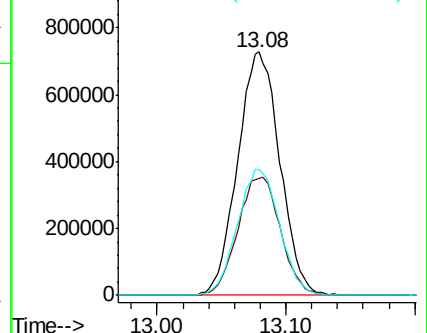
171 51.6 41.8 62.8



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: 10.596 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.01 min

Lab File: VL035242.D

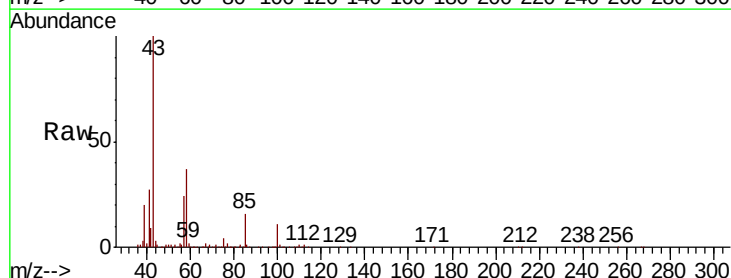
Acq: 29 Jul 2020 11:23

Tgt Ion: 43 Resp: 2667430

Ion Ratio Lower Upper

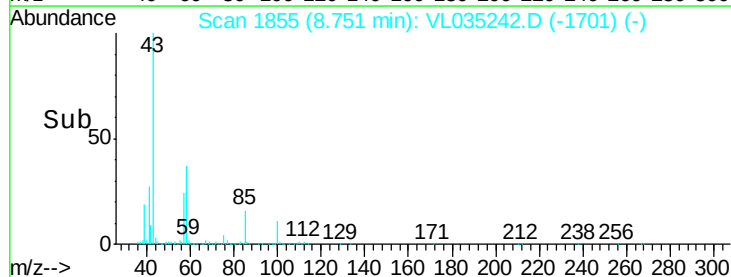
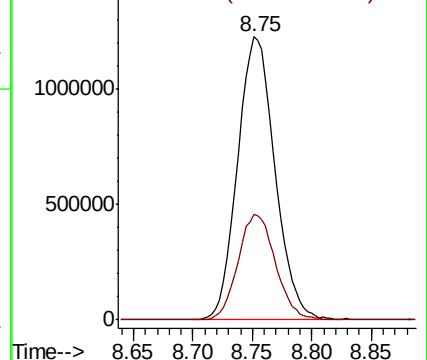
43 100

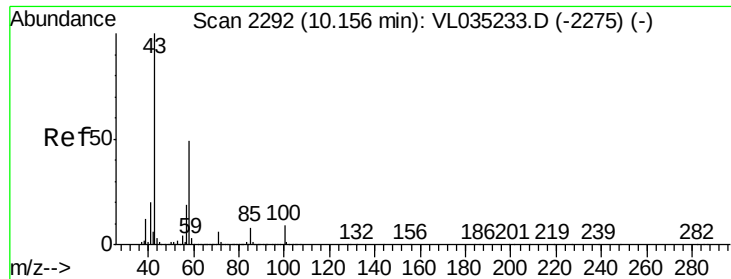
58 37.4 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.165 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

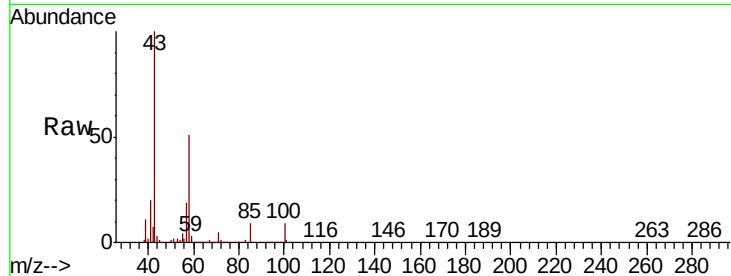
Tot Ion: 43 Resp: 2131361

Ion Ratio Lower Upper

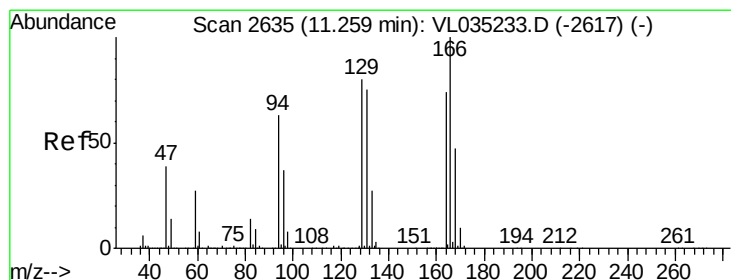
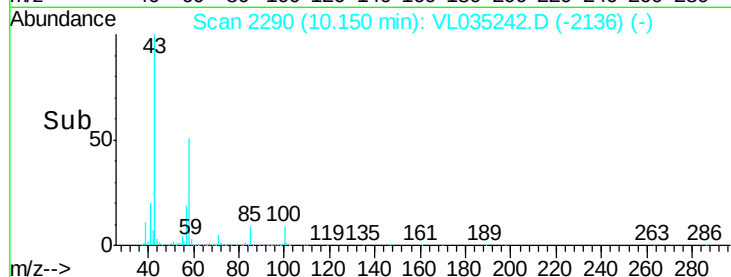
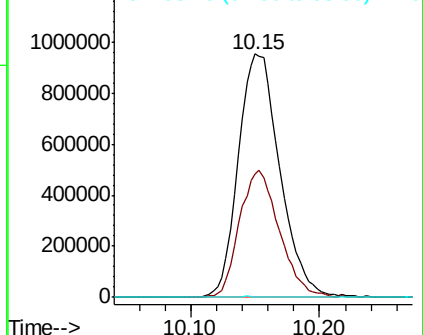
43 100

58 50.5 38.8 58.2

98 0.5 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: 10.237 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion: 164 Resp: 926709

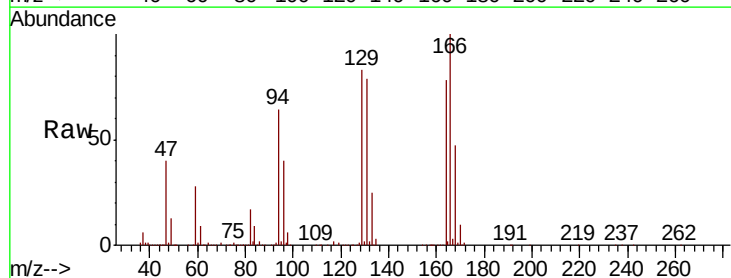
Ion Ratio Lower Upper

164 100

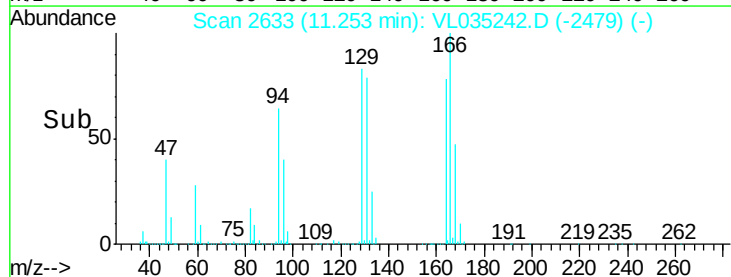
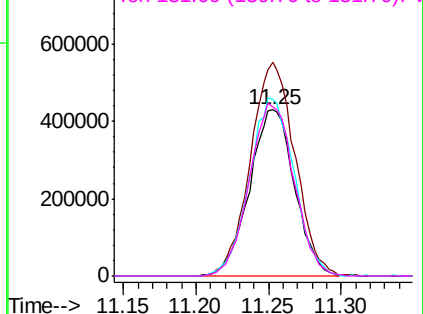
166 128.4 107.5 161.3

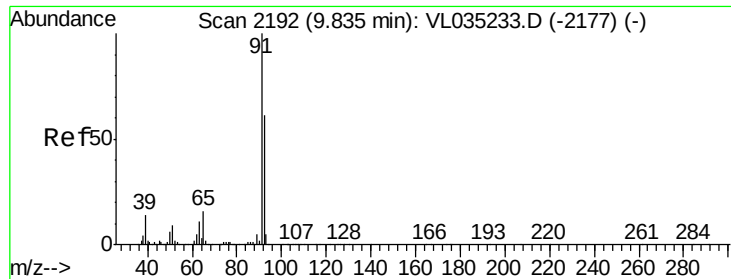
129 106.2 86.0 129.0

131 102.0 80.3 120.5



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: 11.634 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

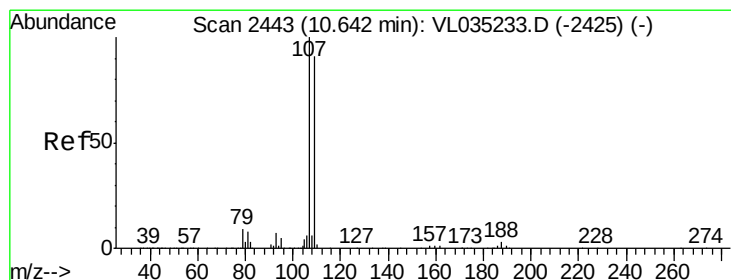
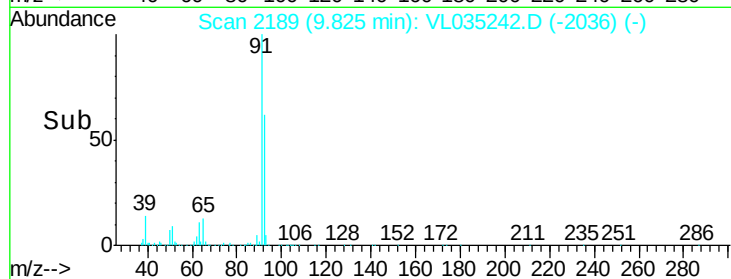
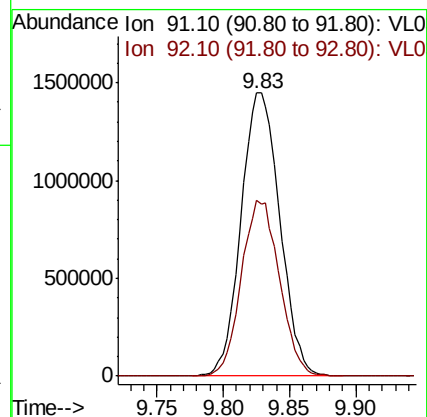
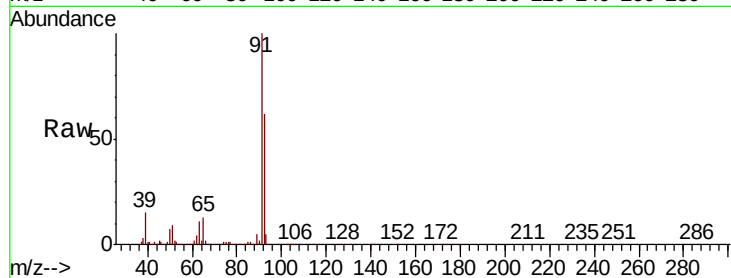
ClientSampleId :

Tot Ion: 91 Resp: 2933878

Ion Ratio Lower Upper

91 100

92 61.2 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.169 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL035242.D

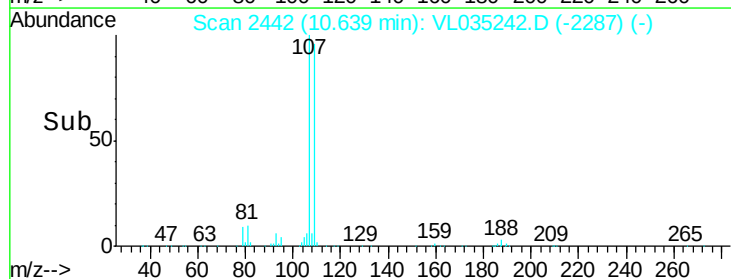
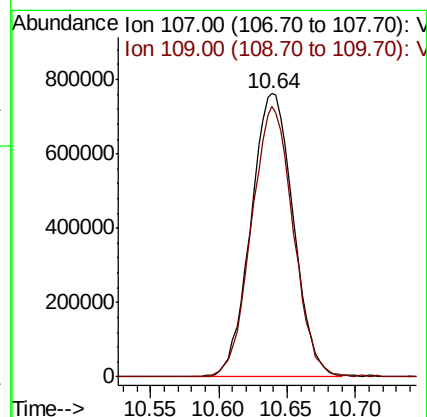
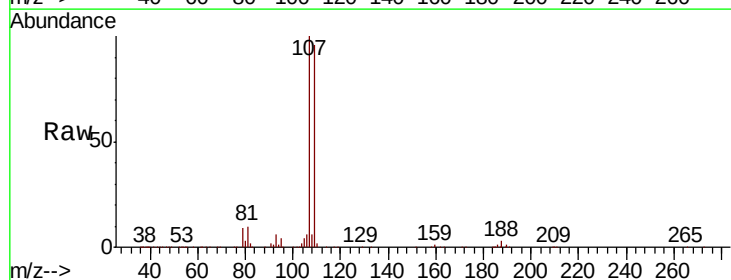
Acq: 29 Jul 2020 11:23

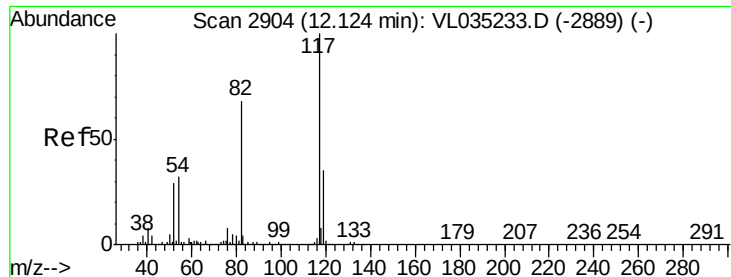
Tgt Ion: 107 Resp: 1644255

Ion Ratio Lower Upper

107 100

109 95.7 73.0 109.6

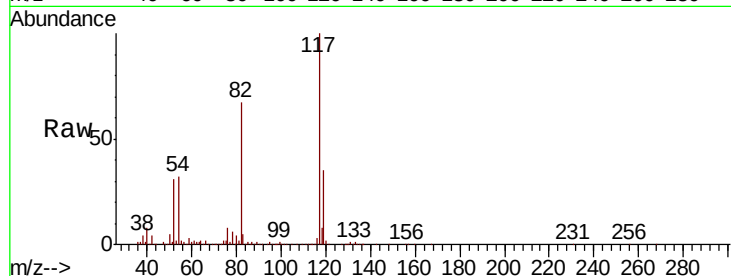




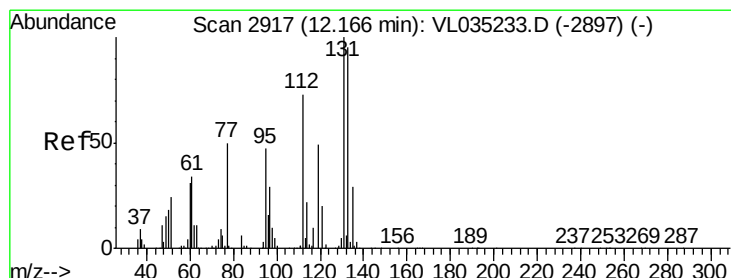
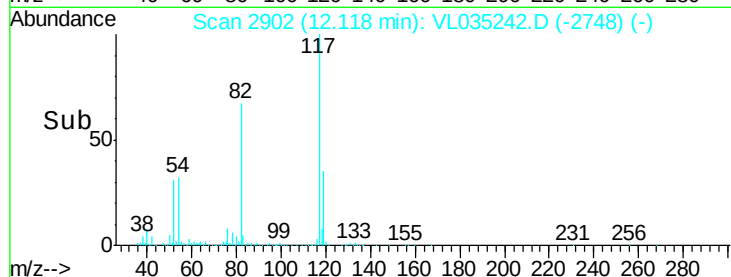
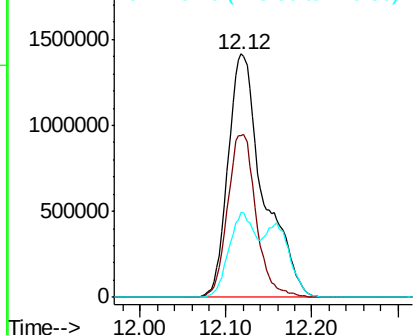
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 4046510
Ion Ratio Lower Upper
117 100
82 54.0 52.4 78.6
119 26.7 24.6 36.8

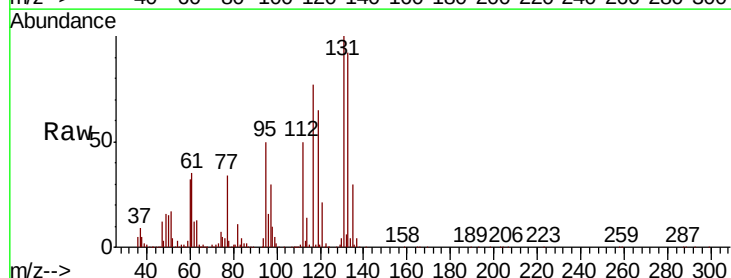


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

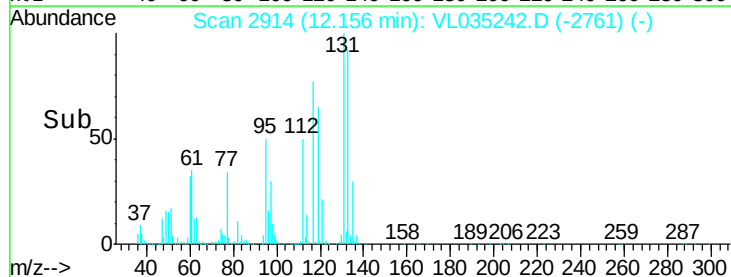
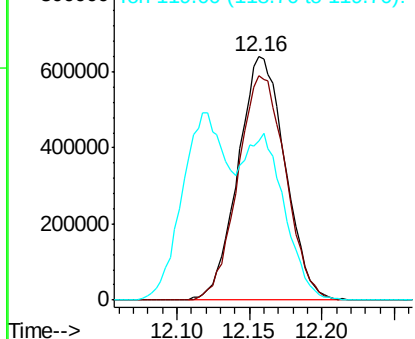


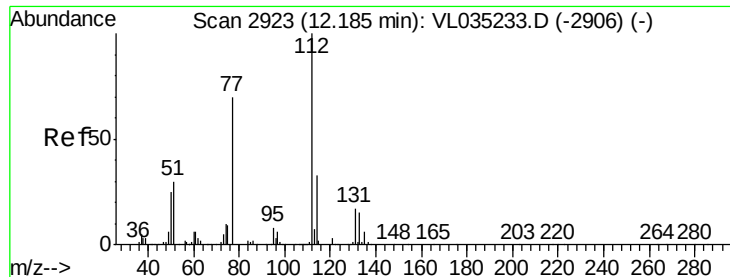
#56
1,1,1,2-Tetrachloroethane
Concen: 7.765 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion:131 Resp: 1444705
Ion Ratio Lower Upper
131 100
133 93.7 76.1 114.1
119 55.8 44.3 66.5



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





#57

Chlorobenzene

Concen: 7.763 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

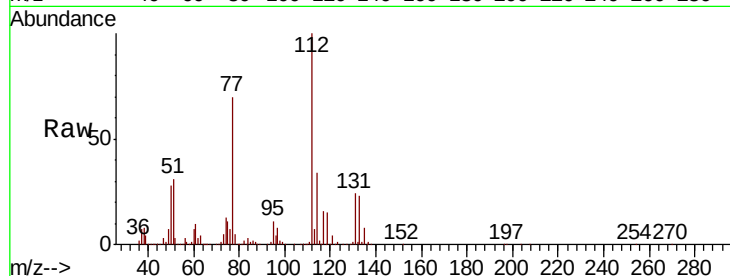
Tot Ion:112 Resp: 2363522

Ion Ratio Lower Upper

112 100

77 69.1 57.3 85.9

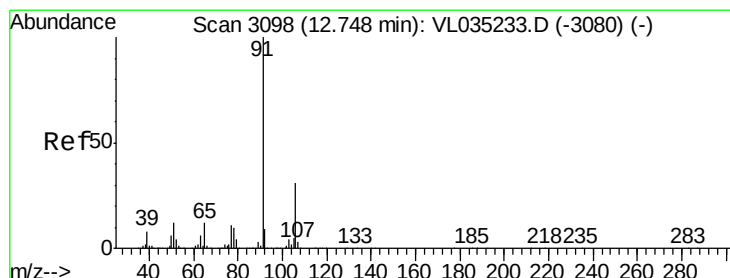
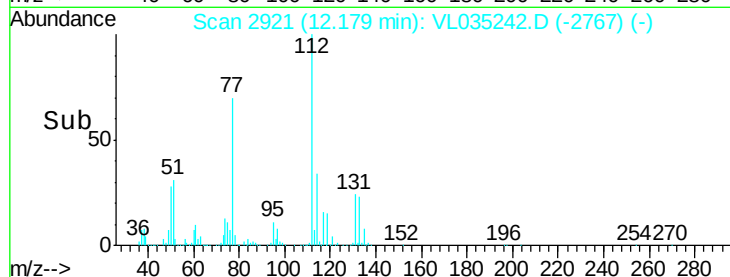
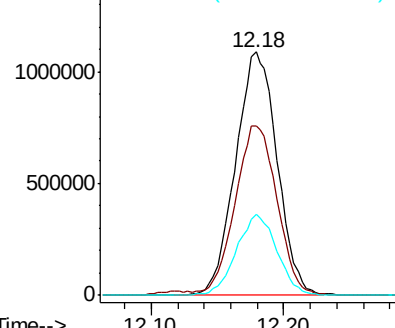
114 33.5 29.3 35.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.414 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. -0.01 min

Lab File: VL035242.D

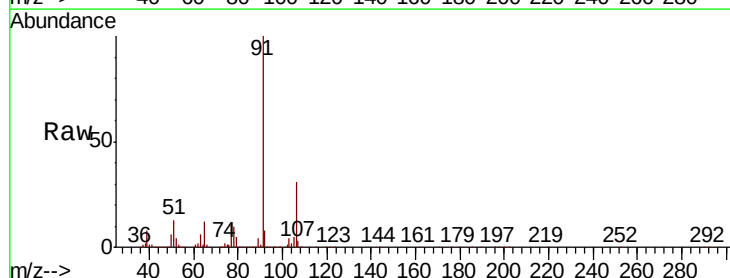
Acq: 29 Jul 2020 11:23

Tgt Ion: 91 Resp: 4034379

Ion Ratio Lower Upper

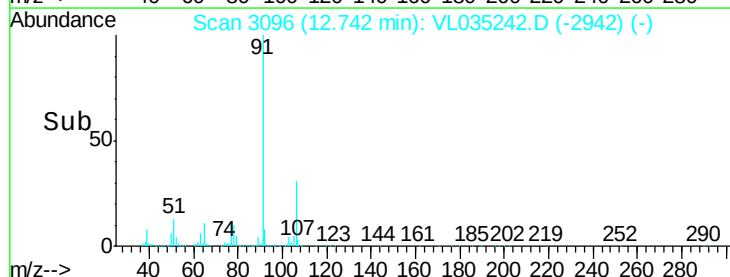
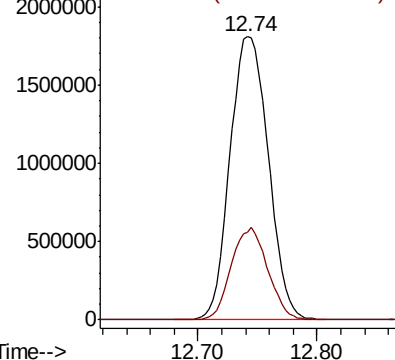
91 100

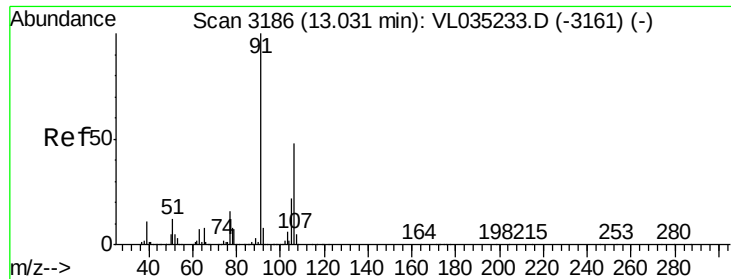
106 31.0 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.048 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

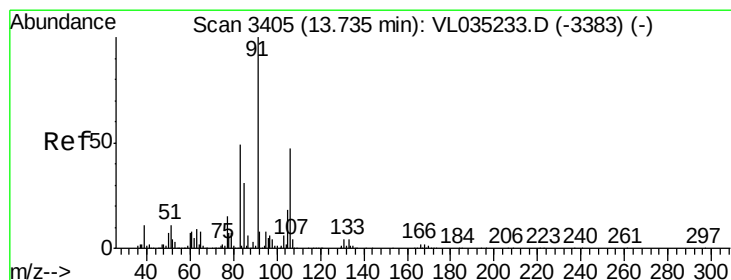
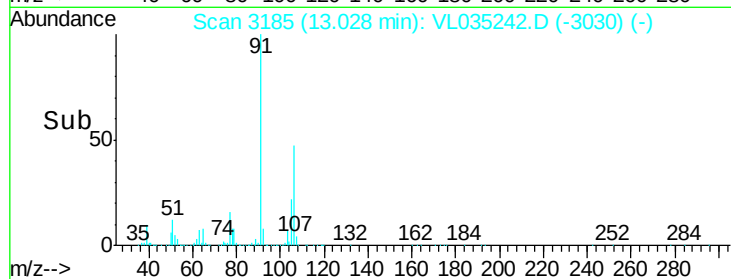
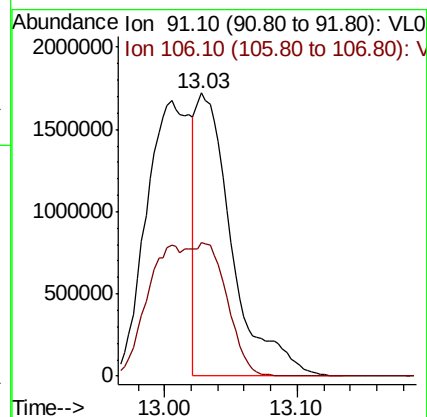
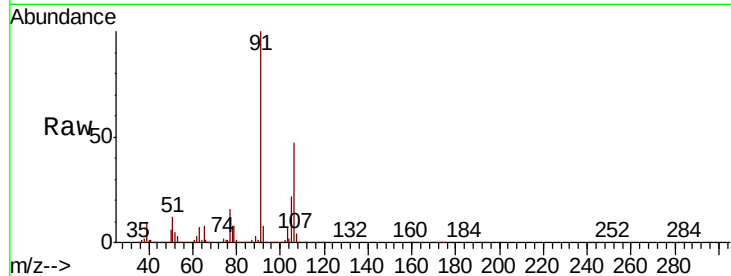
ClientSampleId :

Tot Ion: 91 Resp: 3210996

Ion Ratio Lower Upper

91 100

106 98.5 37.2 55.8#



#60

o-Xylene

Concen: 8.699 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. -0.01 min

Lab File: VL035242.D

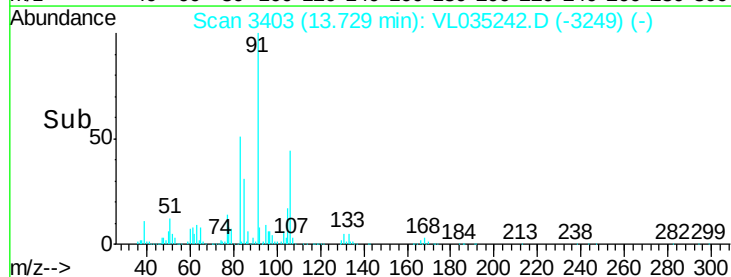
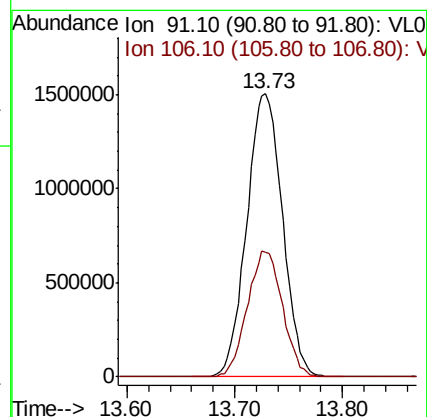
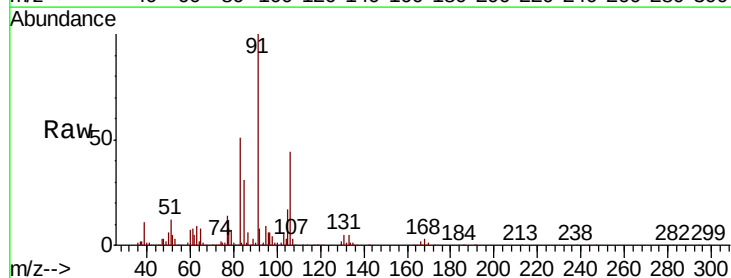
Acq: 29 Jul 2020 11:23

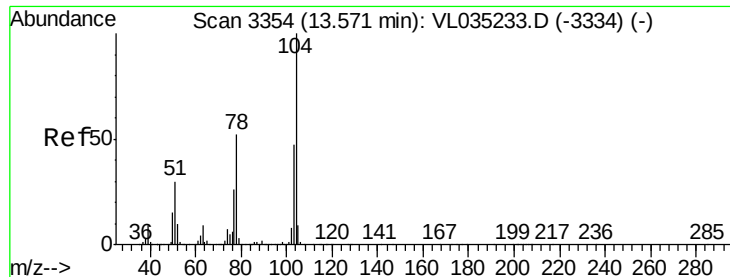
Tgt Ion: 91 Resp: 3462774

Ion Ratio Lower Upper

91 100

106 43.9 22.4 67.0





#61

Stvrene

Concen: 9.886 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampled :

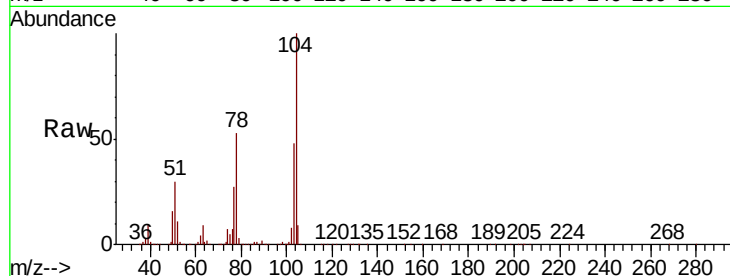
Tot Ion:104 Resp: 2388750

Ion Ratio Lower Upper

104 100

78 54.4 43.3 64.9

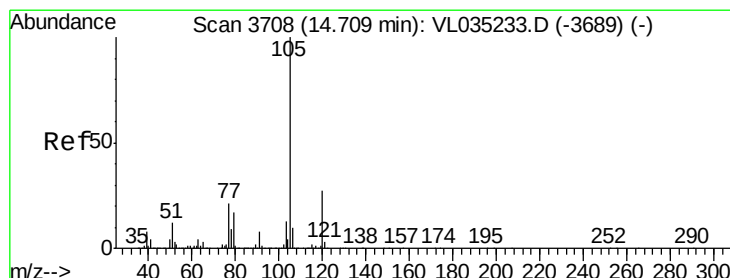
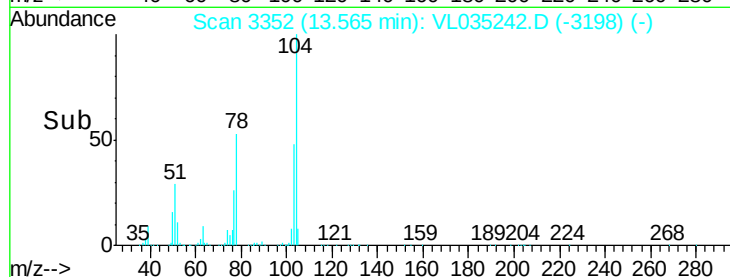
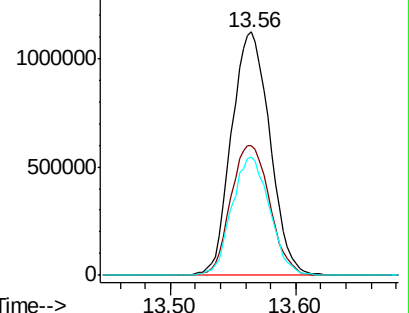
103 47.9 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

1500000 Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.484 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. -0.00 min

Lab File: VL035242.D

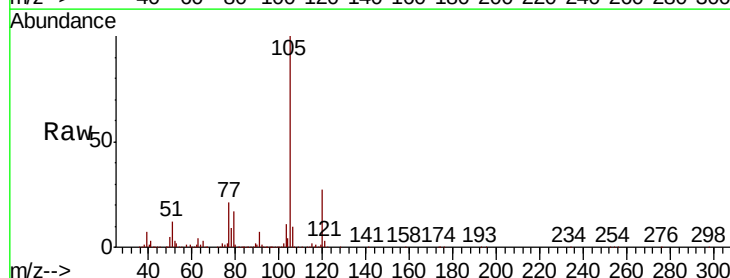
Acq: 29 Jul 2020 11:23

Tgt Ion:105 Resp: 5026602

Ion Ratio Lower Upper

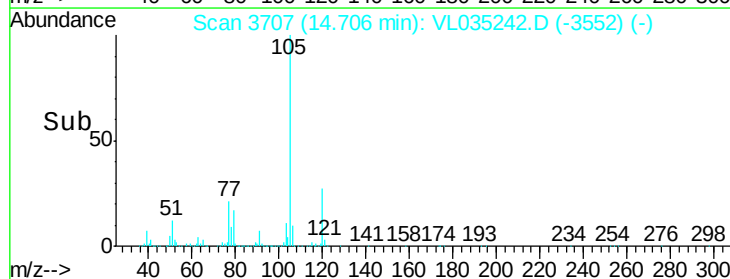
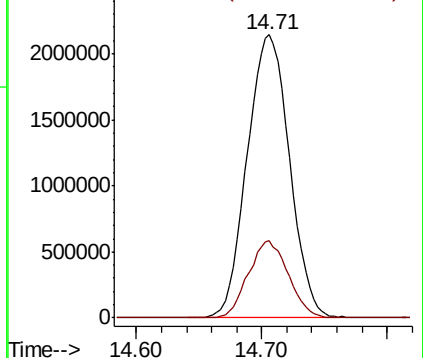
105 100

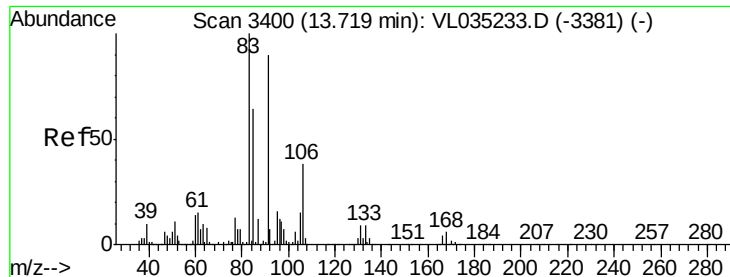
120 25.9 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

2500000 Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.311 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampled :

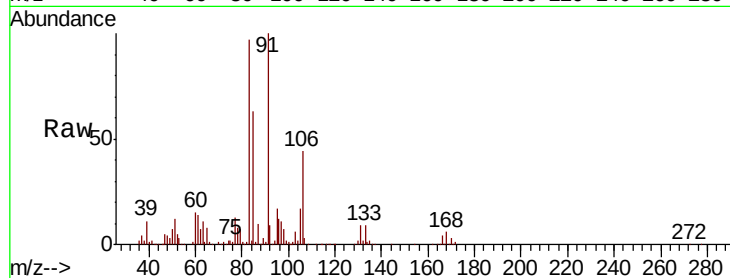
Tot Ion: 83 Resp: 2504370

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

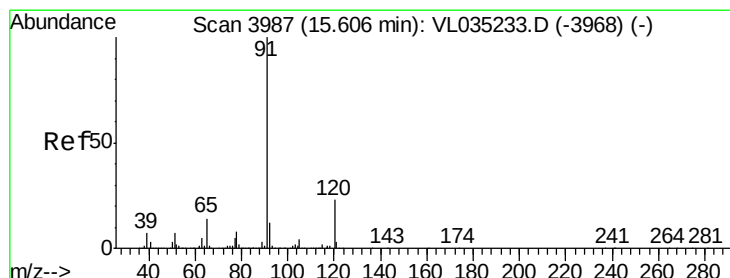
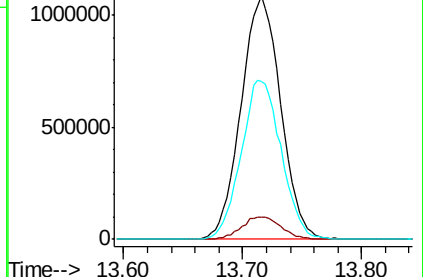
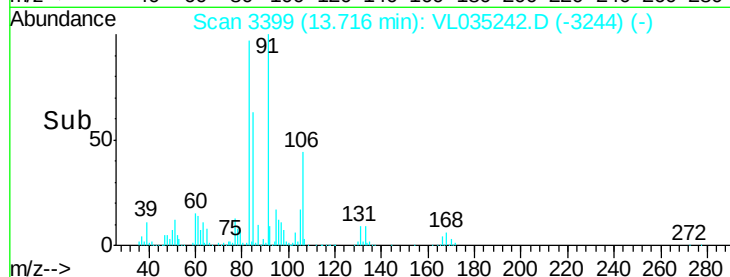
85 66.1 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.735 ppbv

RT: 15.60 min Scan# 3986

Delta R.T. -0.00 min

Lab File: VL035242.D

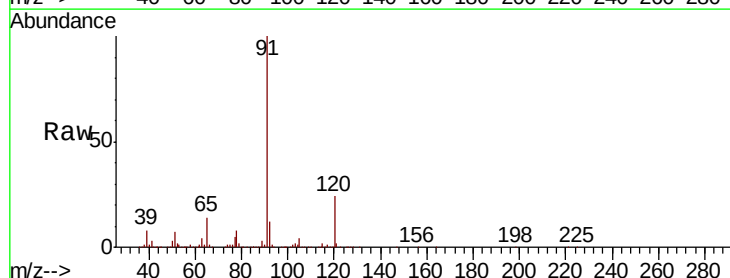
Acq: 29 Jul 2020 11:23

Tgt Ion:120 Resp: 1375974

Ion Ratio Lower Upper

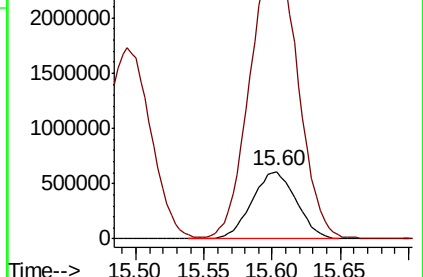
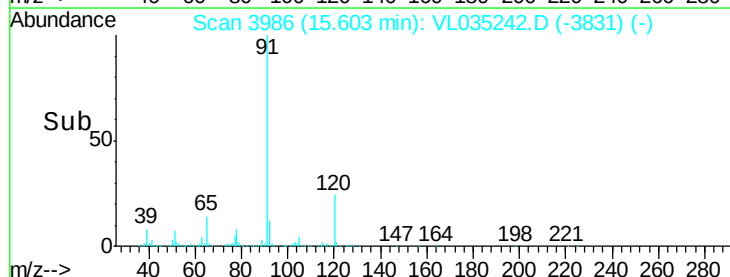
120 100

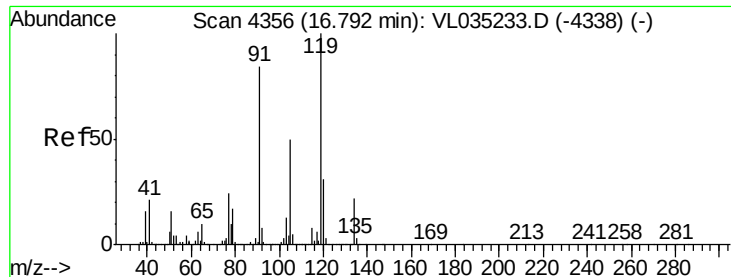
91 455.2 367.5 551.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.401 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

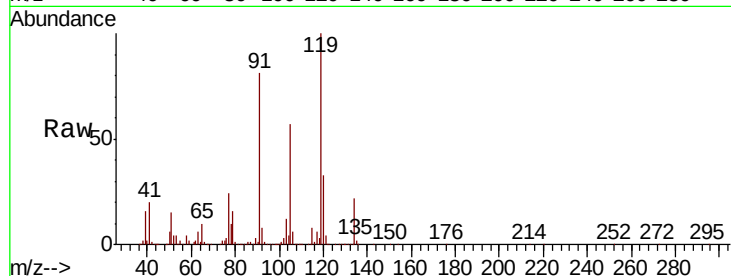
Tot Ion: 119 Resp: 4509201

Ion Ratio Lower Upper

119 100

91 84.9 68.0 102.0

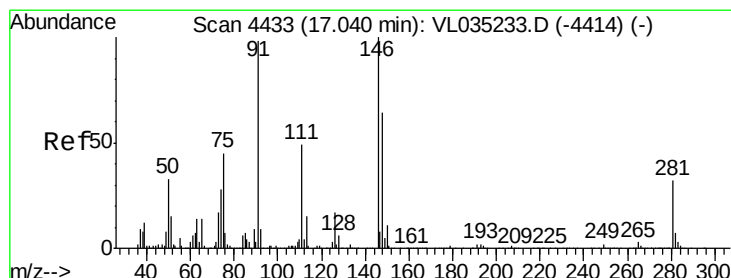
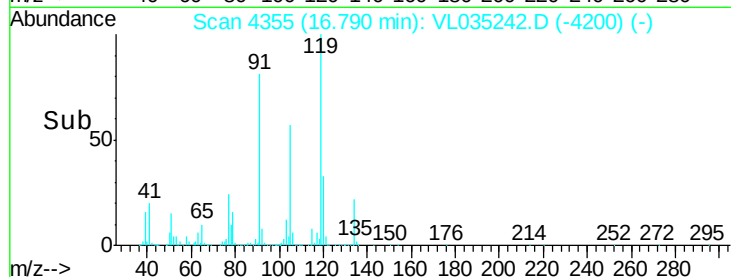
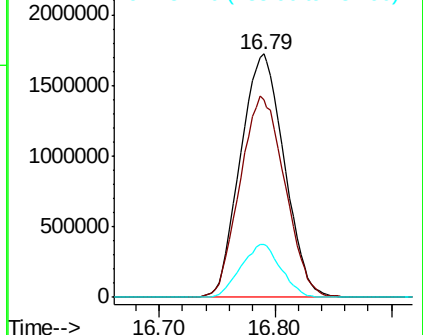
134 20.0 16.3 24.5



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: 8.424 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

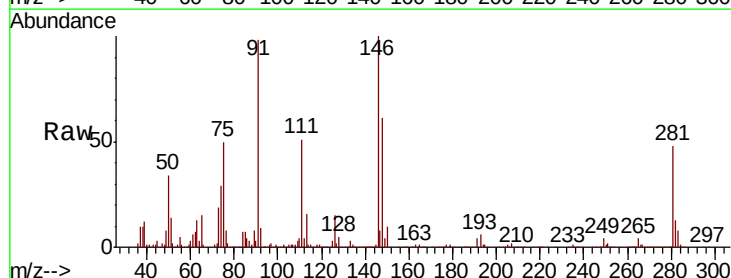
Tgt Ion: 91 Resp: 1770966

Ion Ratio Lower Upper

91 100

126 16.7 14.1 21.1

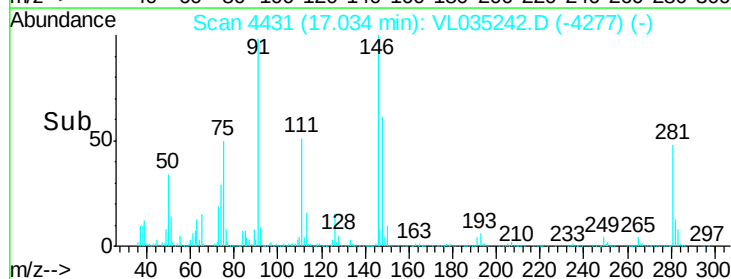
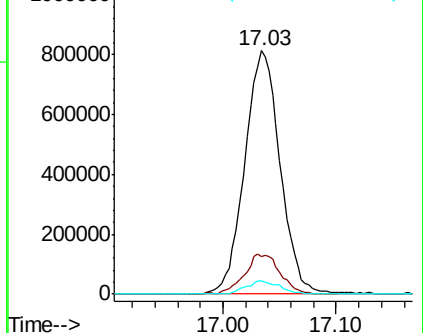
128 5.3 4.4 6.6

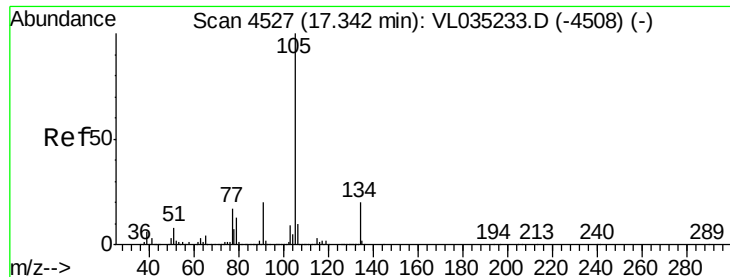


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.210 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

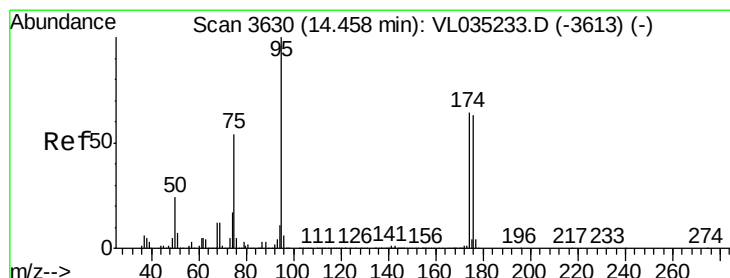
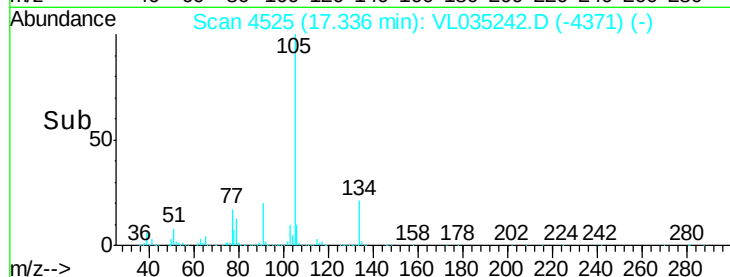
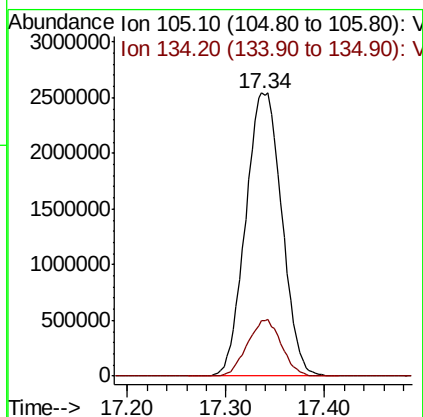
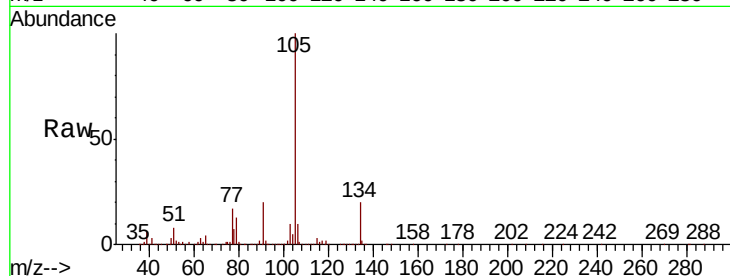
ClientSampleId :

Tot Ion:105 Resp: 6438722

Ion Ratio Lower Upper

105 100

134 18.8 15.0 22.4



#68

1-Bromo-4-Fluorobenzene

Concen: 8.194 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

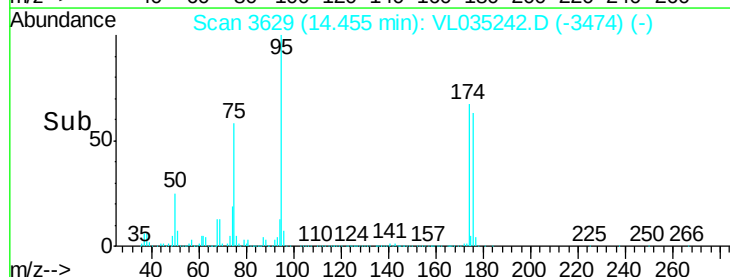
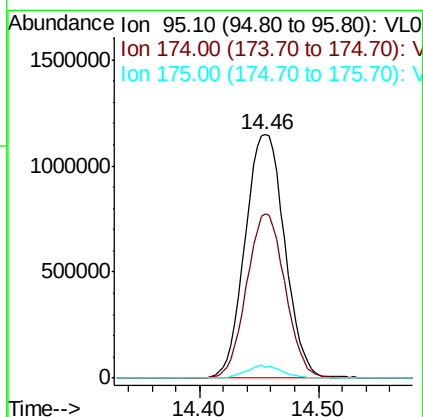
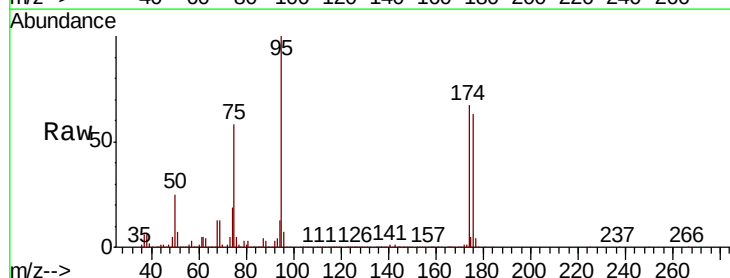
Tgt Ion: 95 Resp: 2649619

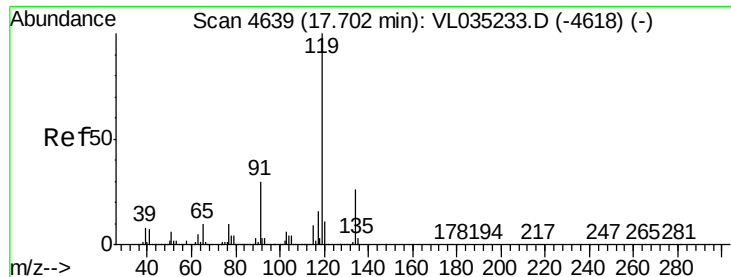
Ion Ratio Lower Upper

95 100

174 65.4 52.7 79.1

175 4.7 3.9 5.9

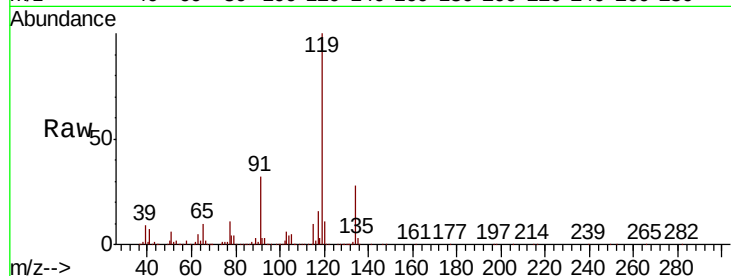




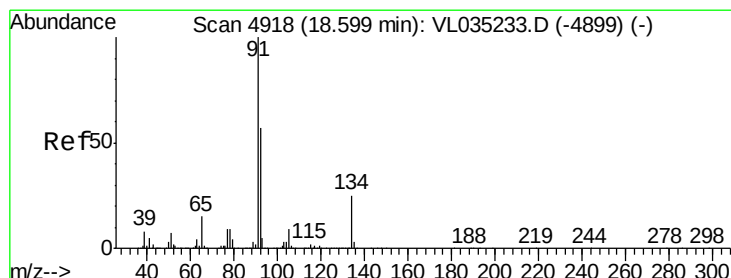
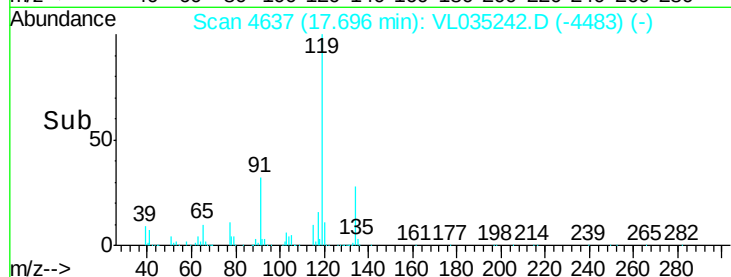
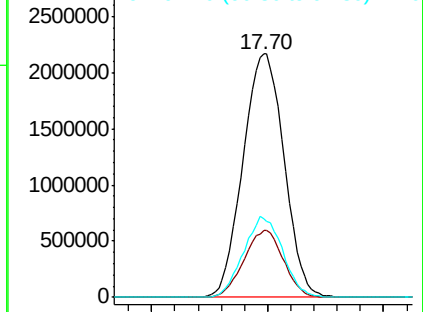
#69
 p-Isopropyltoluene
 Concen: 8.339 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:119 Resp: 5335009
 Ion Ratio Lower Upper
 119 100
 134 26.4 20.8 31.2
 91 31.7 24.7 37.1

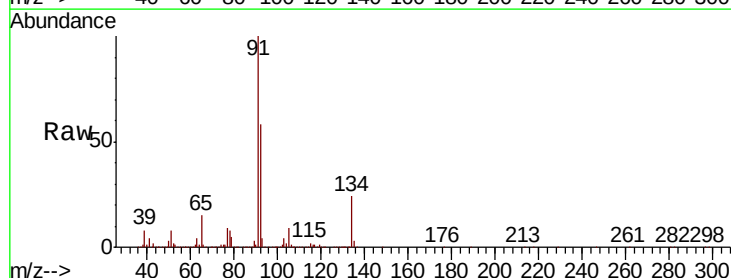


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

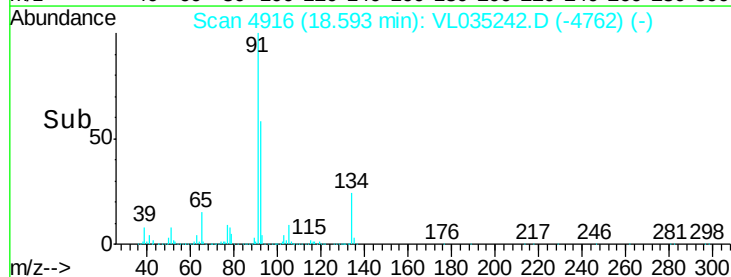
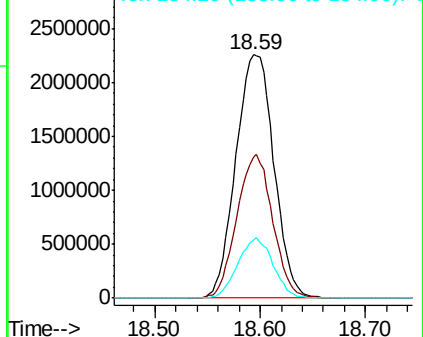


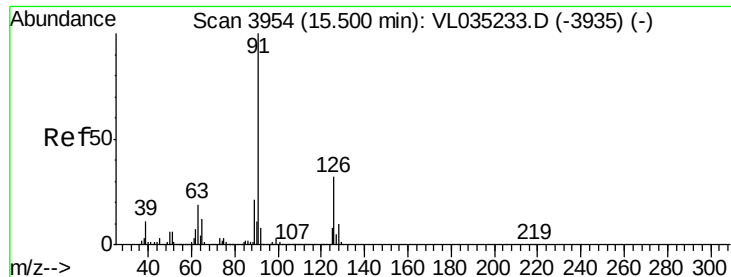
#70
 n-Butylbenzene
 Concen: 8.178 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion: 91 Resp: 5660226
 Ion Ratio Lower Upper
 91 100
 92 55.5 44.9 67.3
 134 22.9 18.6 28.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

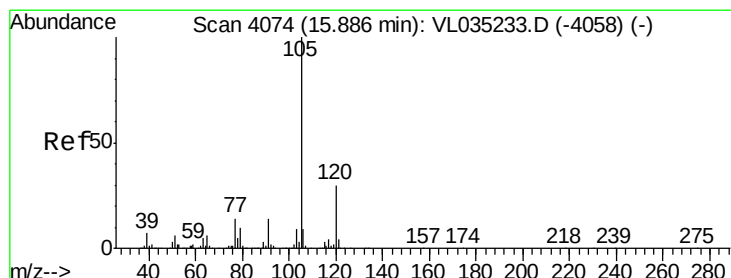
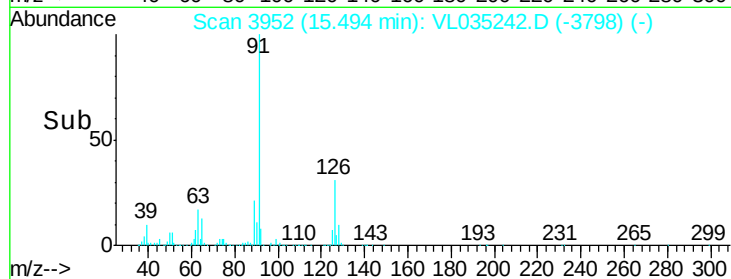
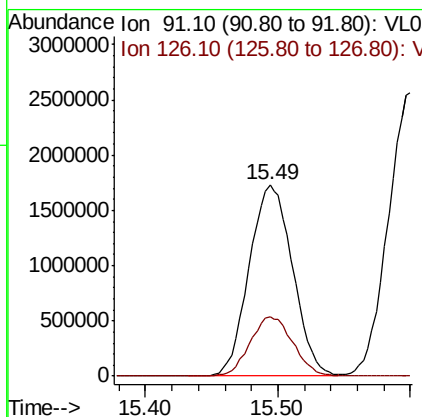
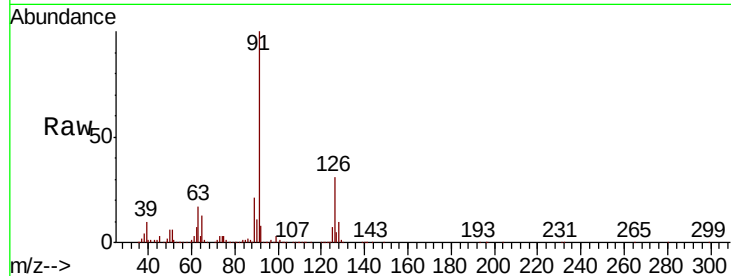




#71
2-Chlorotoluene
Concen: 8.825 ppbv
RT: 15.49 min Scan# 3952
Delta R.T. -0.01 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

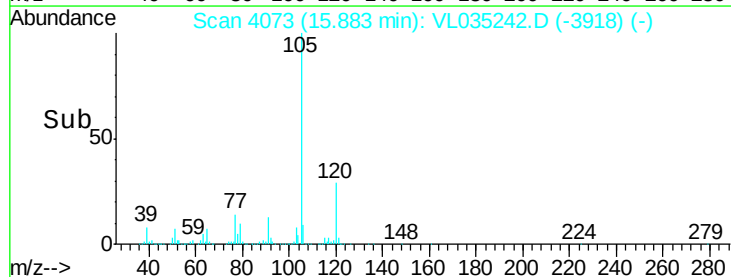
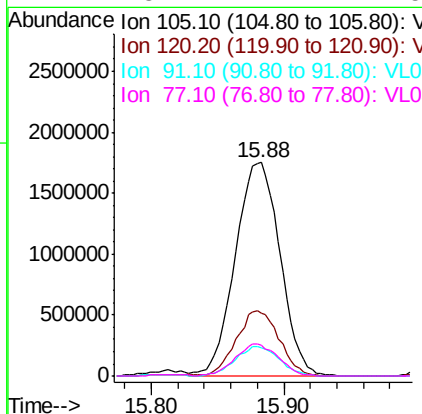
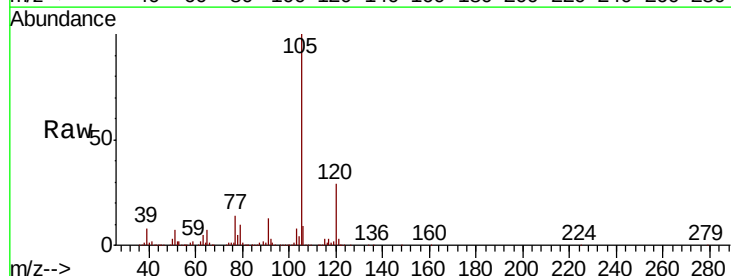
Instrument :
MSVOA_L
ClientSampleId :

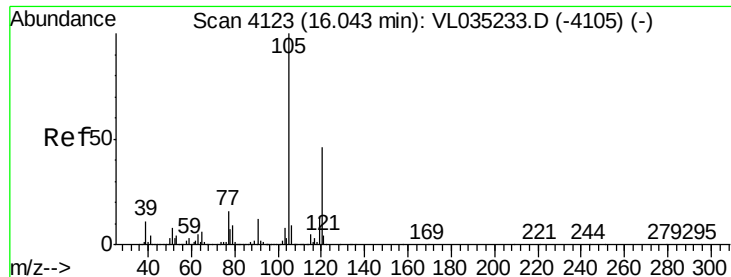
Tot Ion: 91 Resp: 3942720
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.1



#72
4-Ethyltoluene
Concen: 9.158 ppbv
RT: 15.88 min Scan# 4073
Delta R.T. -0.00 min
Lab File: VL035242.D
Acq: 29 Jul 2020 11:23

Tgt Ion:105 Resp: 4103173
Ion Ratio Lower Upper
105 100
120 29.6 23.6 35.4
91 13.9 11.0 16.6
77 15.1 11.7 17.5

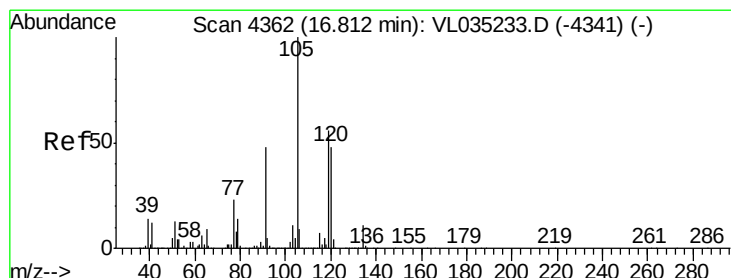
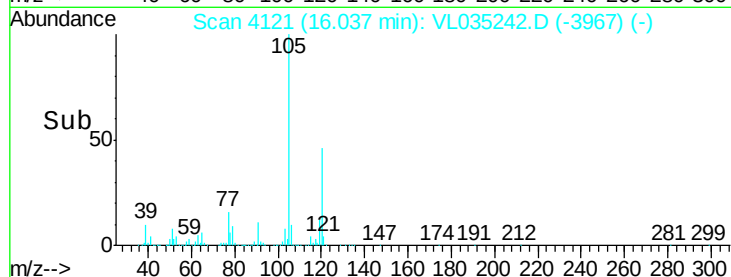
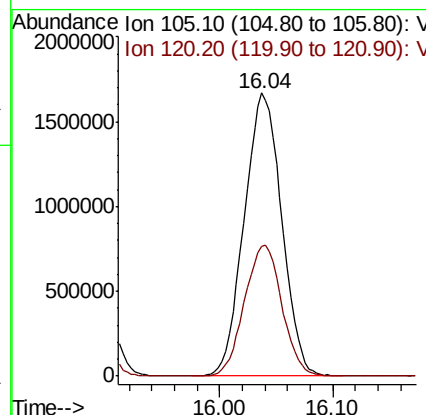
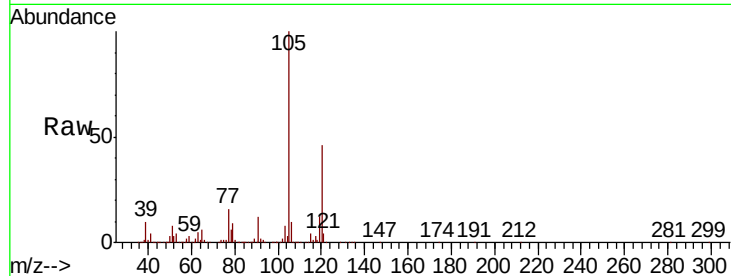




#73
 1,3,5-Trimethylbenzene
 Concen: 8.809 ppbv
 RT: 16.04 min Scan# 4121
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

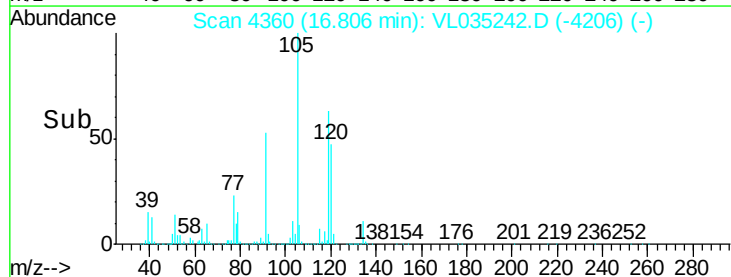
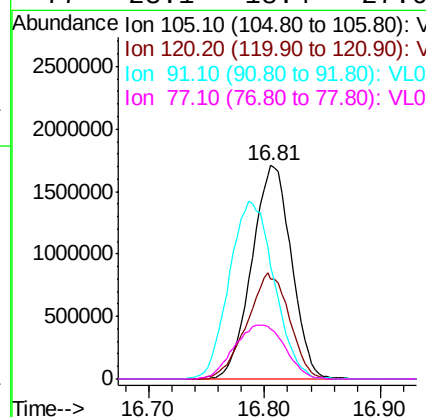
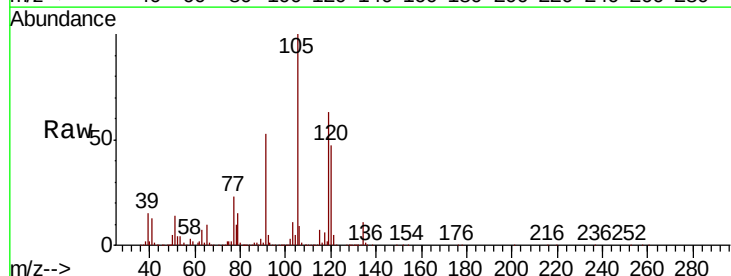
Instrument :
 MSVOA_L
 ClientSampleId :

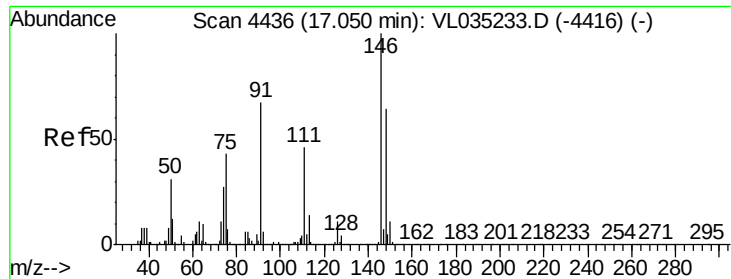
Tot Ion:105 Resp: 3848939
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 7.973 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion:105 Resp: 4055774
 Ion Ratio Lower Upper
 105 100
 120 46.7 38.8 58.2
 91 52.8 38.9 58.3
 77 23.1 18.4 27.6

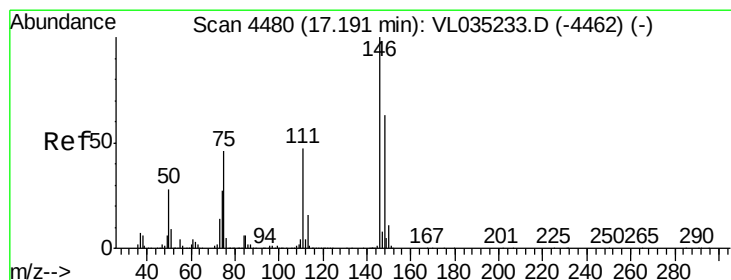
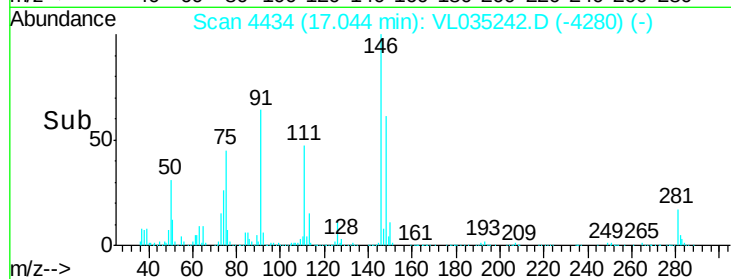
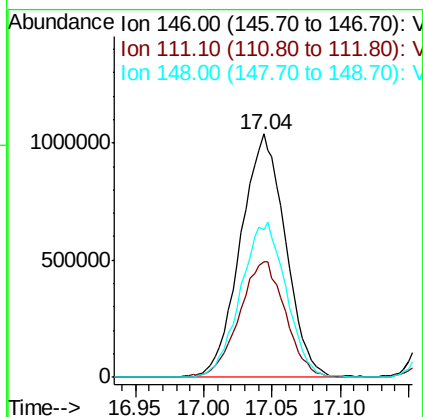
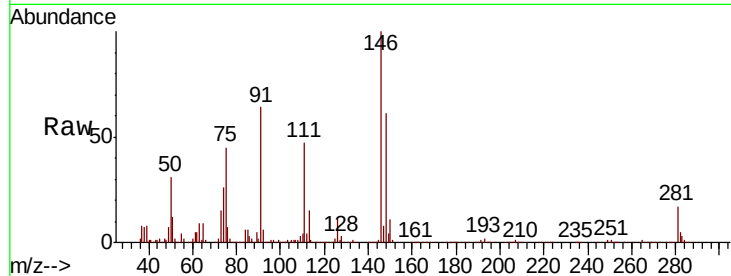




#75
 1,3-Dichlorobenzene
 Concen: 7.230 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

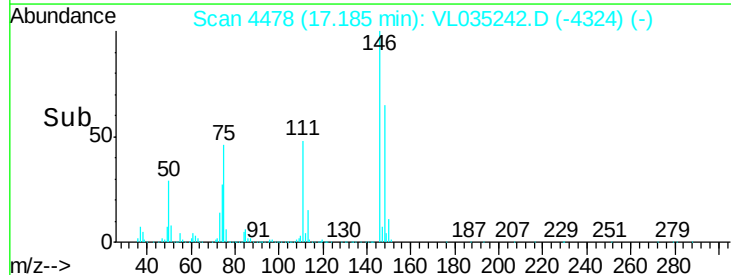
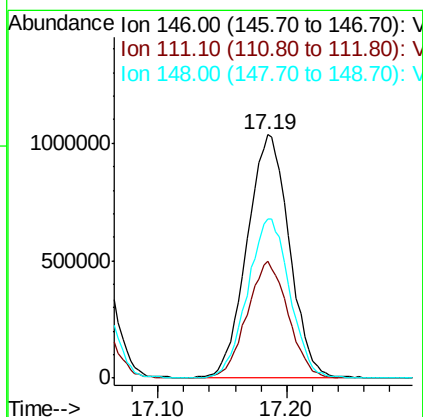
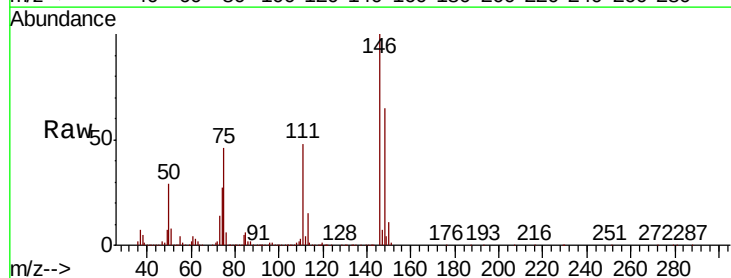
Instrument :
 MSVOA_L
 ClientSampleId :

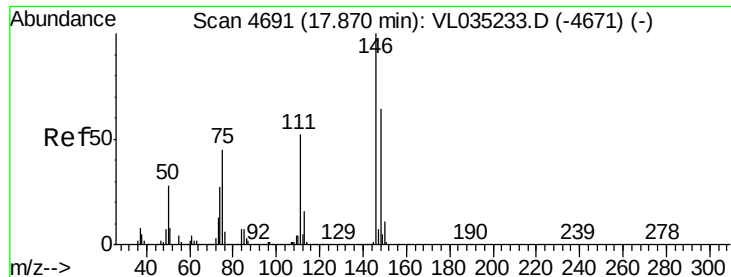
Tot Ion:146 Resp: 2374463
 Ion Ratio Lower Upper
 146 100
 111 48.8 24.4 73.4
 148 64.7 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.923 ppbv
 RT: 17.19 min Scan# 4478
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Tgt Ion:146 Resp: 2353649
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.4 70.2
 148 65.6 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 7.718 ppbv

RT: 17.87 min Scan# 4690

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Instrument :

MSVOA_L

ClientSampleId :

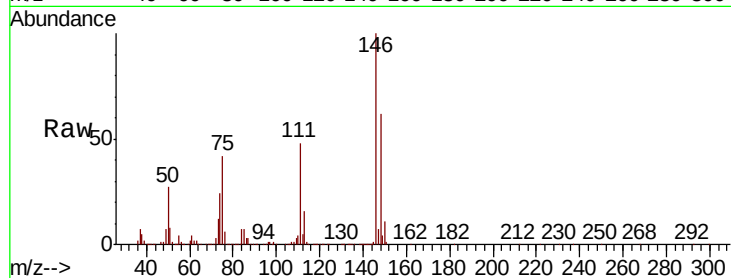
Tot Ion:146 Resp: 2270462

Ion Ratio Lower Upper

146 100

111 49.3 24.6 73.8

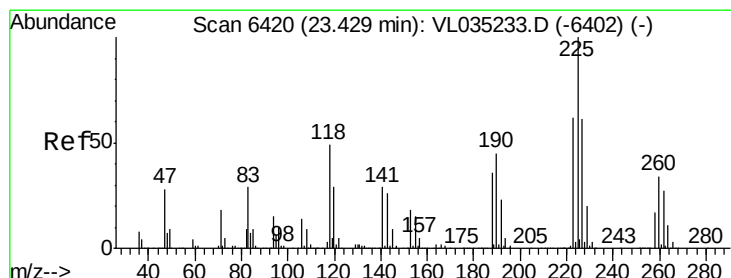
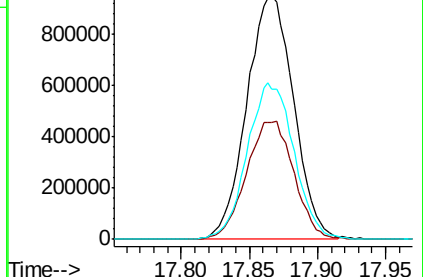
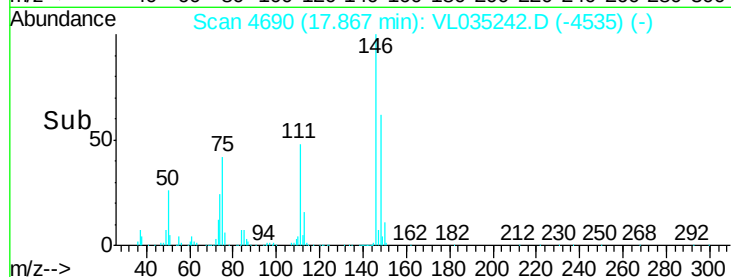
148 64.2 32.0 96.0



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: 6.820 ppbv

RT: 23.43 min Scan# 6419

Delta R.T. -0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

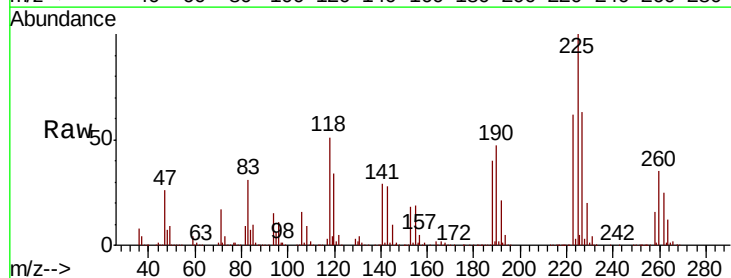
Tgt Ion:225 Resp: 1642189

Ion Ratio Lower Upper

225 100

223 62.6 51.3 76.9

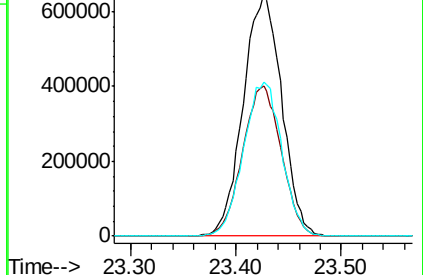
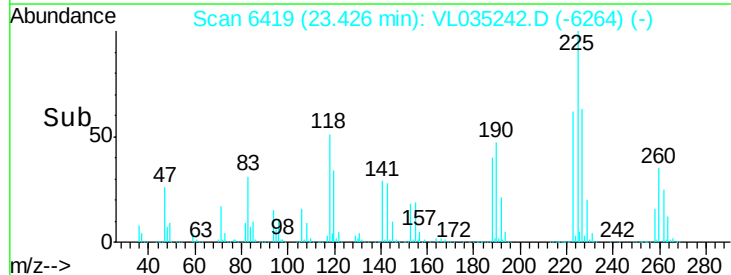
227 63.6 51.4 77.2

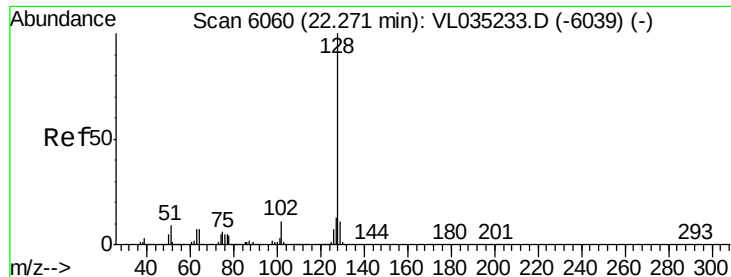


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.027 ppbv

RT: 22.26 min Scan# 6057

Delta R.T. -0.01 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

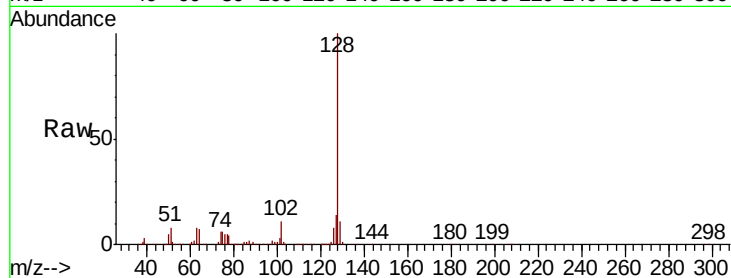
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3246892

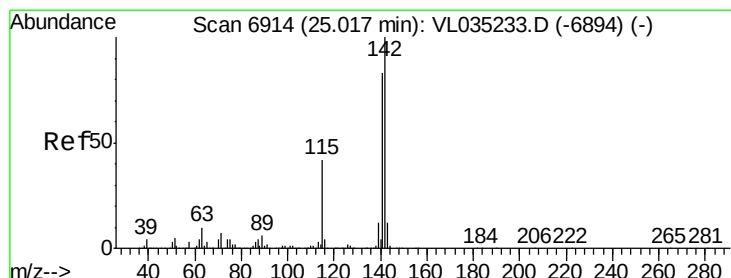
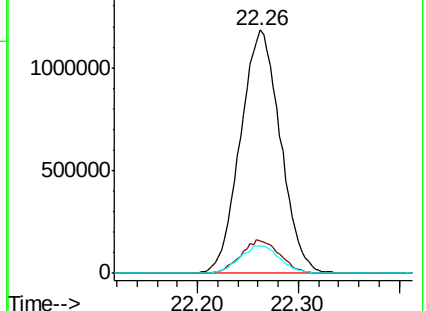
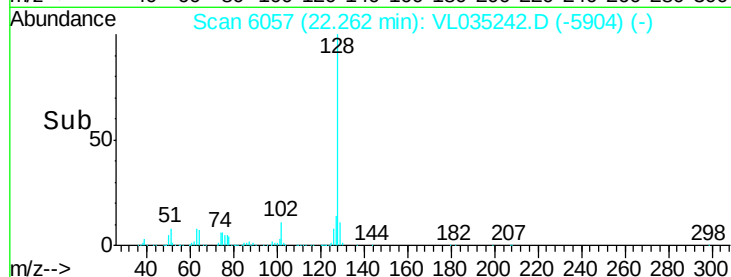
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.0	8.5	12.7



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: 7.845 ppbv

RT: 25.02 min Scan# 6914

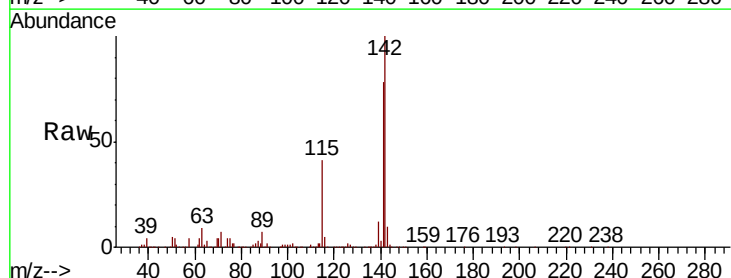
Delta R.T. 0.00 min

Lab File: VL035242.D

Acq: 29 Jul 2020 11:23

Tgt Ion:142 Resp: 1026945

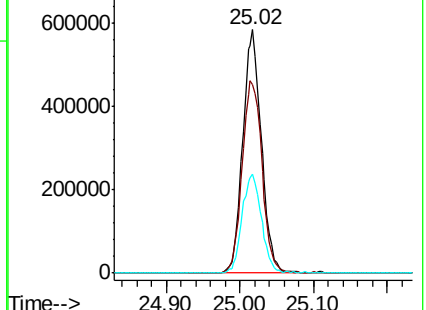
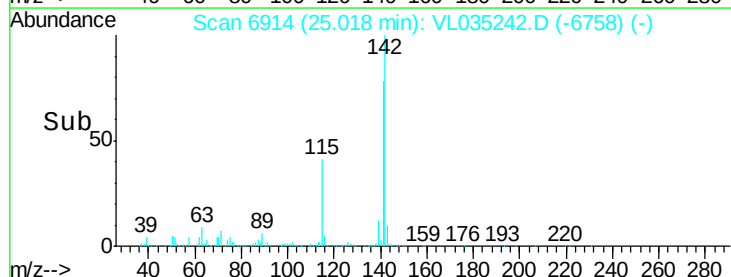
Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.6	103.0
115	42.5	34.5	51.7

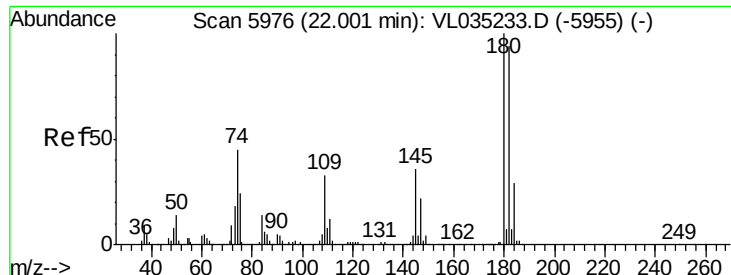


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.493 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. -0.01 min
 Lab File: VL035242.D
 Acq: 29 Jul 2020 11:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1844892
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.7 115.1
 184 30.8 24.7 37.1

