

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035294.D
 Acq On : 31 Jul 2020 00:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 31 06:06:10 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
 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	5.67	49	1228585	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2954124	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2979825	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	2288620	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1456891	9.928	ppbv 99
3) Chlorodifluoromethane	2.95	51	1289426	9.481	ppbv 99
4) Chloromethane	3.11	50	726039	9.487	ppbv 100
5) Vinyl Chloride	3.22	62	753487	9.452	ppbv 99
6) Bromomethane	3.45	94	466359	9.471	ppbv 95
7) Chloroethane	3.53	64	289186	10.050	ppbv 99
8) Dichlorotetrafluoroethane	3.15	85	1798712	9.661	ppbv 100
9) Propene	2.97	41	488717	10.309	ppbv 99
10) Heptane	8.15	43	1433765	11.173	ppbv 100
11) Trichlorofluoromethane	3.93	101	1932637	9.792	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1380302	9.861	ppbv 100
13) Ethanol	3.58	45	114070	5.912	ppbv 94
14) Bromoethene	3.72	108	580521	10.163	ppbv 98
15) Acetone	3.83	43	1433064	8.745	ppbv 99
16) 1,3-Butadiene	3.30	39	655554	10.255	ppbv 98
17) tert-Butyl alcohol	4.28	59	1570442	9.929	ppbv 99
18) 1,1-Dichloroethene	4.27	96	633986	10.201	ppbv 86
19) Isopropyl Alcohol	3.95	45	1004595	9.295	ppbv 100
20) Methylene Chloride	4.33	84	587066	7.870	ppbv 96
21) Allyl Chloride	4.39	41	973876	10.435	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	605966	10.147	ppbv 96
23) Vinyl Acetate	5.07	43	1759344	10.684	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1516973	9.878	ppbv 99
25) Ethyl Acetate	5.68	43	2578165	10.074	ppbv 99
26) Hexane	5.68	57	1175952	10.186	ppbv 99
27) Carbon Disulfide	4.54	76	1626264	10.426	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	1761051	10.670	ppbv 99
29) Chloroform	5.75	83	1876314	9.690	ppbv 96
30) Cyclohexane	7.15	84	950475	11.518	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1134851	11.276	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1856986	9.370	ppbv 99
34) 2-Butanone	5.24	43	1530006	10.179	ppbv 100
35) Carbon Tetrachloride	7.03	117	1937232	9.794	ppbv 98
36) Benzene	6.91	78	2243384	10.927	ppbv 97
37) 1,2-Dichloroethane	6.32	62	1464955	10.207	ppbv 99
38) Trichloroethene	7.86	130	945835	11.116	ppbv 98
39) 1,2-Dichloropropane	7.64	63	890058	10.866	ppbv 97
40) 1,4-Dioxane	7.85	88	354534	10.991	ppbv 91
41) Tetrahydrofuran	6.05	42	820628	11.139	ppbv 99
42) Bromodichloromethane	7.82	83	2004948	10.467	ppbv 98
43) Methyl Methacrylate	8.03	69	1034683	11.632	ppbv 99

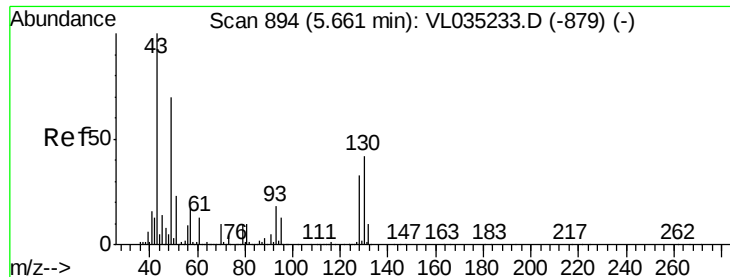
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035294.D
 Acq On : 31 Jul 2020 00:28
 Operator : SY/AP
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3954486	10.932	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1127739	12.582	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1346496	12.332	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	978899	10.117	ppbv	96
48) Dibromochloromethane	10.34	129	1707279	11.203	ppbv	99
49) Bromoform	13.09	173	1523536	11.121	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2422353	11.121	ppbv	99
51) 2-Hexanone	10.17	43	1952587	11.821	ppbv #	99
52) Tetrachloroethene	11.27	164	853667	10.898	ppbv	97
53) Toluene	9.84	91	2674076	12.255	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1509823	10.792	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.17	131	1328300	9.695	ppbv #	94
57) Chlorobenzene	12.19	112	2165617	9.659	ppbv	99
58) Ethyl Benzene	12.75	91	3706899	11.746	ppbv	98
59) m/p-Xylene	13.04	91	3148726	10.717	ppbv #	32
60) o-Xylene	13.74	91	3162534	10.788	ppbv	100
61) Styrene	13.57	104	2196035	12.342	ppbv	99
62) Isopropylbenzene	14.72	105	4671130	10.706	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2325053	9.218	ppbv	99
64) n-propylbenzene	15.61	120	1276671	11.005	ppbv	98
65) tert-Butylbenzene	16.80	119	4197171	10.619	ppbv	99
66) Benzyl Chloride	17.05	91	1648096	10.646	ppbv	99
67) sec-Butylbenzene	17.35	105	5944676	10.293	ppbv	100
69) p-Isopropyltoluene	17.71	119	4997999	10.609	ppbv	100
70) n-Butylbenzene	18.61	91	5249762	10.300	ppbv	99
71) 2-Chlorotoluene	15.50	91	3649832	11.094	ppbv	99
72) 4-Ethyltoluene	15.89	105	3786295	11.476	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3547283	11.024	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	3758546	10.034	ppbv	98
75) 1,3-Dichlorobenzene	17.06	146	2213439	9.152	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	2190246	10.012	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	2102651	9.706	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	1442452	8.135	ppbv	99
79) Naphthalene	22.27	128	2972954	9.981	ppbv	100
80) Naphthalene, 2-methyl-	25.02	142	815713	8.462	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1703165	9.394	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035294.D

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VSTDCCC010

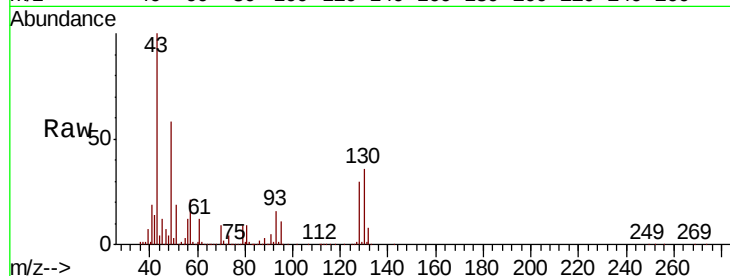
Tot Ion: 49 Resp: 1228585

Ion Ratio Lower Upper

49 100

128 48.4 24.0 72.0

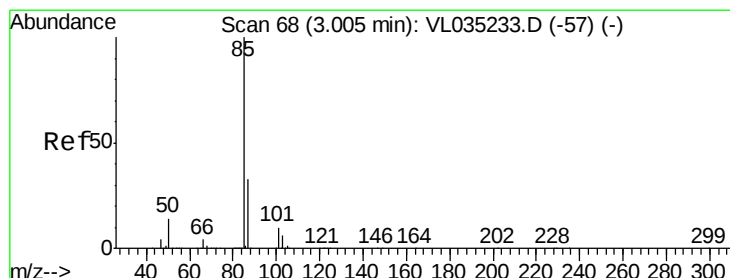
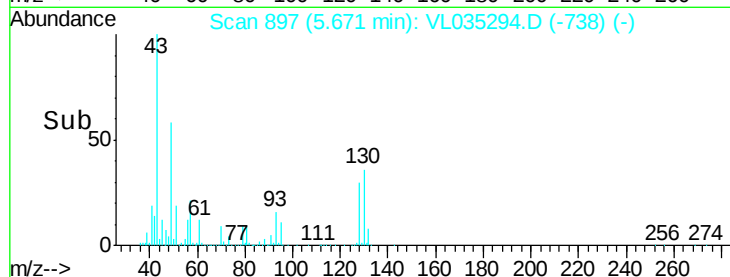
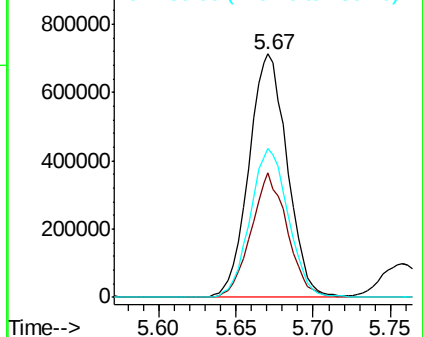
130 61.3 30.7 92.1



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



#2

Dichlorodifluoromethane

Concen: 9.928 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035294.D

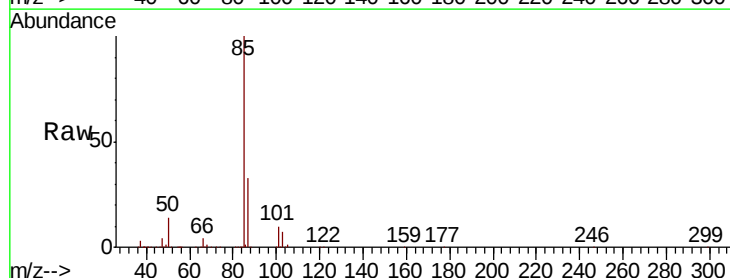
Acq: 31 Jul 2020 00:28

Tgt Ion: 85 Resp: 1456891

Ion Ratio Lower Upper

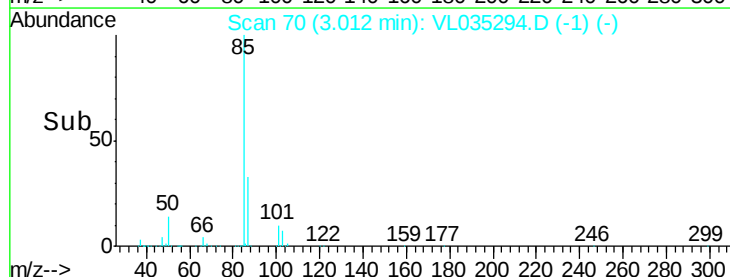
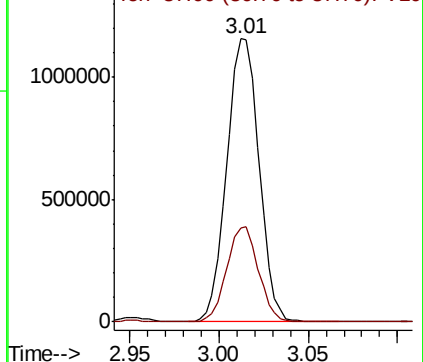
85 100

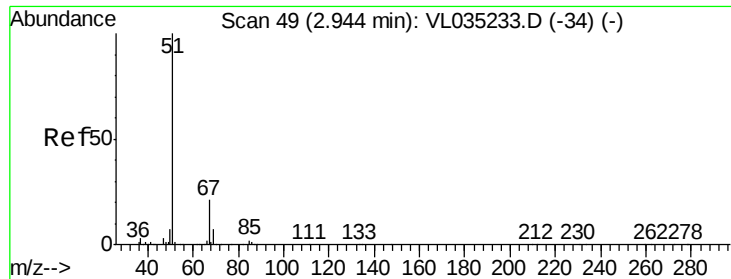
87 33.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

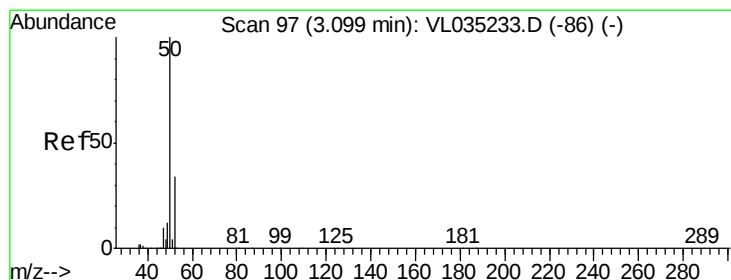
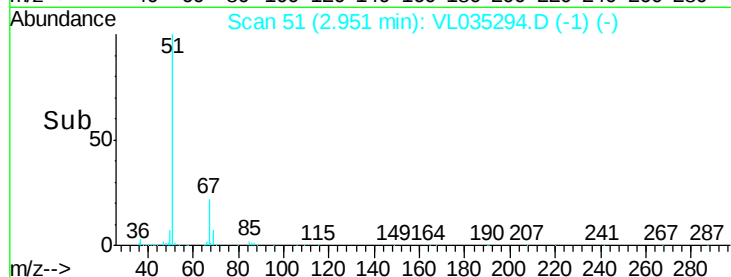
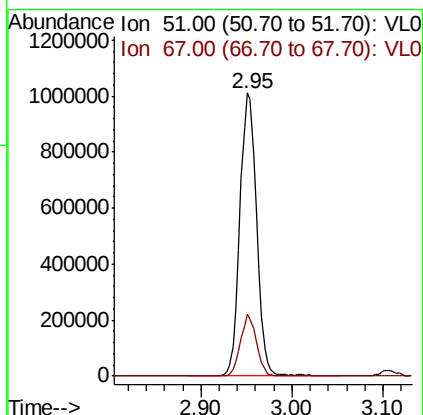
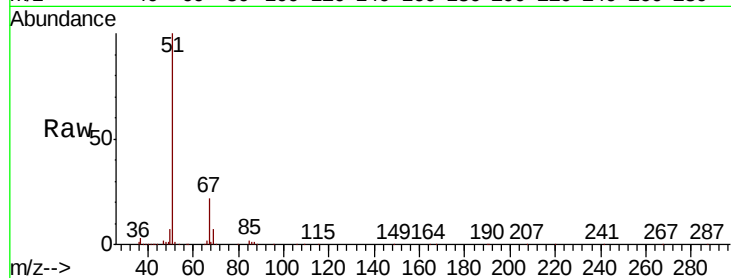




#3
 Chlorodifluoromethane
 Concen: 9.481 ppbv
 RT: 2.95 min Scan# 51
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

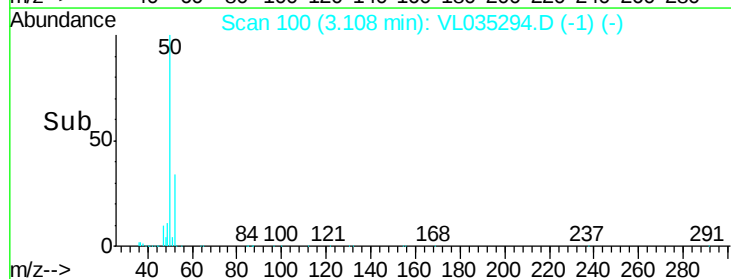
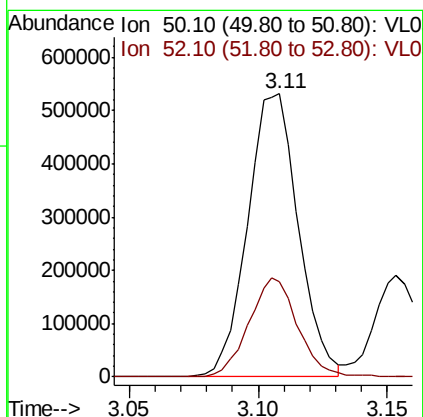
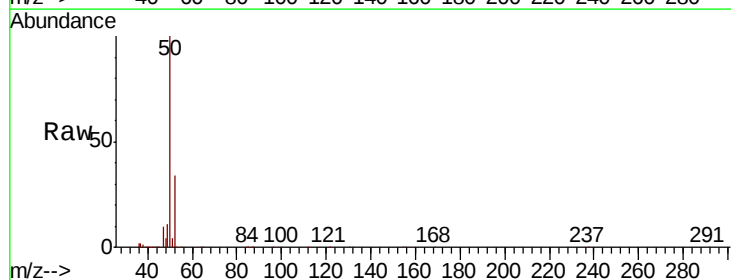
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

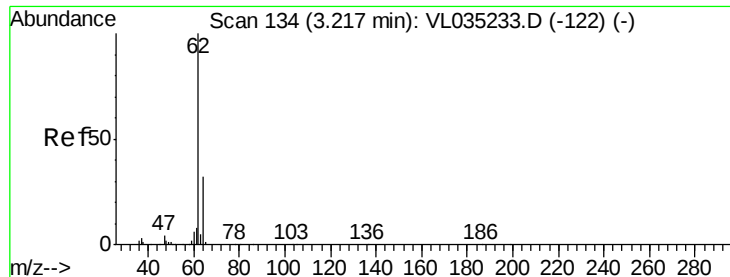
Tot Ion: 51 Resp: 1289426
 Ion Ratio Lower Upper
 51 100
 67 20.6 16.6 25.0



#4
 Chloromethane
 Concen: 9.487 ppbv
 RT: 3.11 min Scan# 100
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Tgt Ion: 50 Resp: 726039
 Ion Ratio Lower Upper
 50 100
 52 33.6 27.1 40.7





#5

Vinyl Chloride

Concen: 9.452 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

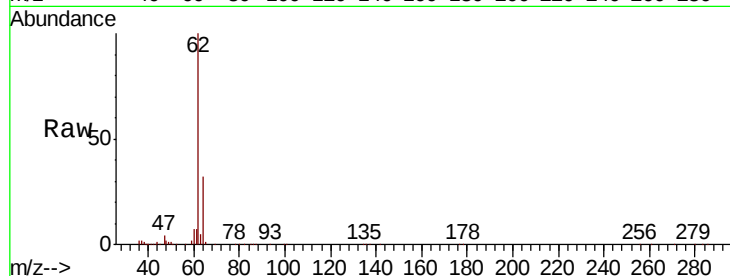
VSTDCCC010

Tot Ion: 62 Resp: 753487

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

600000

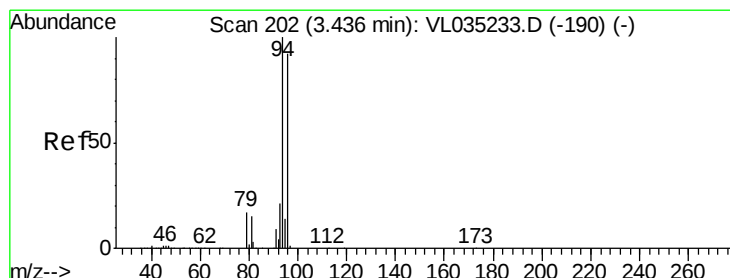
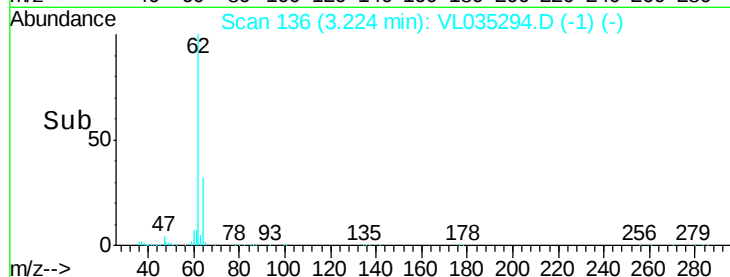
400000

200000

0

3.20 3.25

Time-->



#6

Bromomethane

Concen: 9.471 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL035294.D

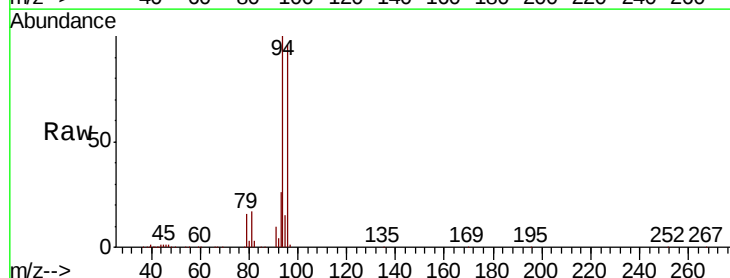
Acq: 31 Jul 2020 00:28

Tgt Ion: 94 Resp: 466359

Ion Ratio Lower Upper

94 100

96 96.1 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

300000

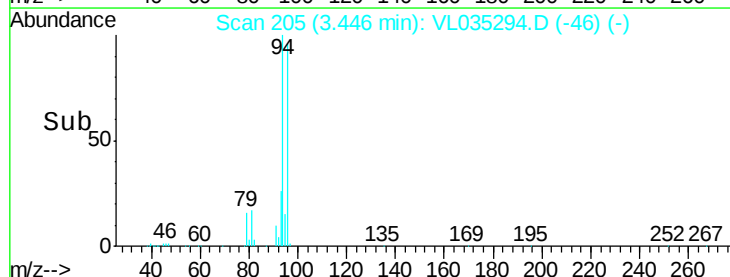
200000

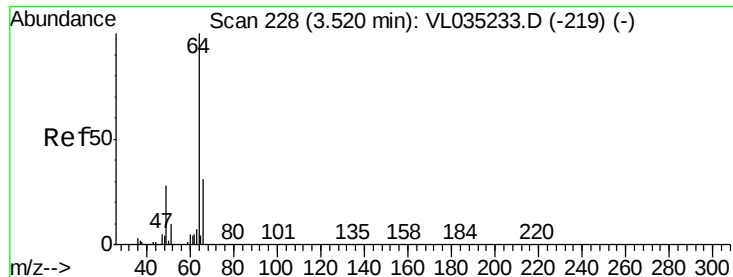
100000

0

3.40 3.45 3.50

Time-->





#7

Chloroethane

Concen: 10.050 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

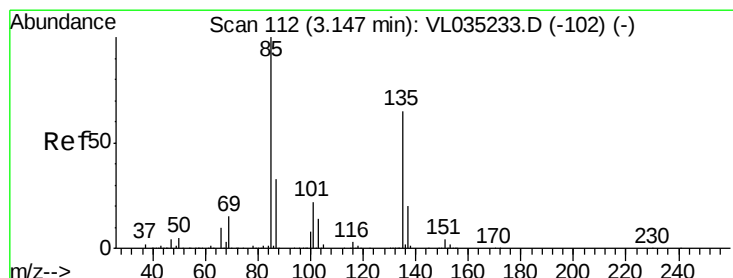
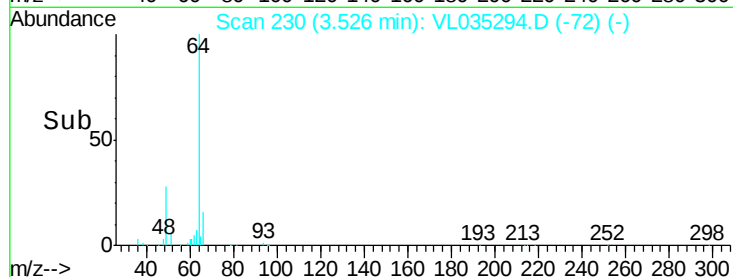
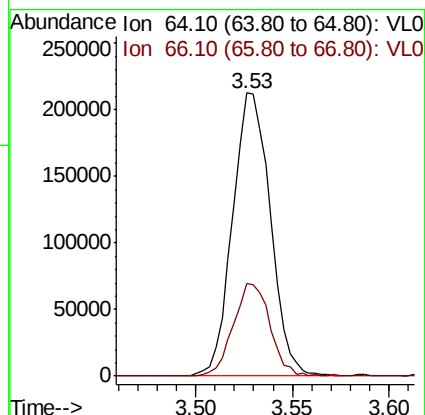
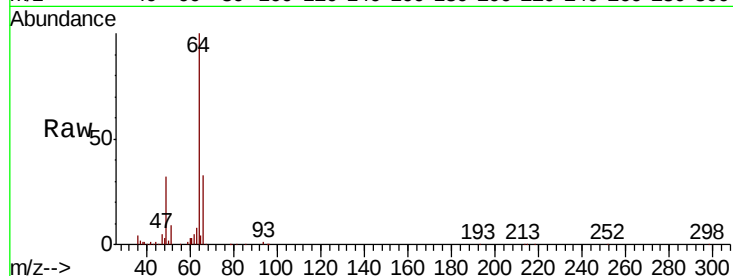
VSTDCCC010

Tot Ion: 64 Resp: 289186

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 9.661 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035294.D

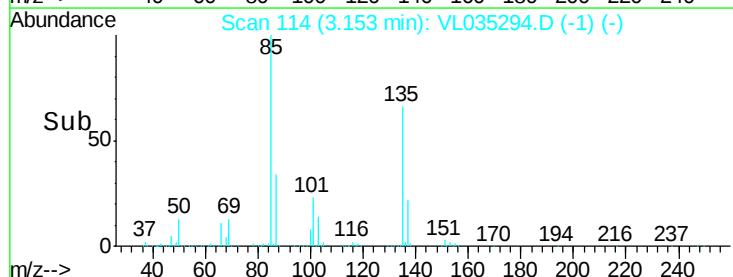
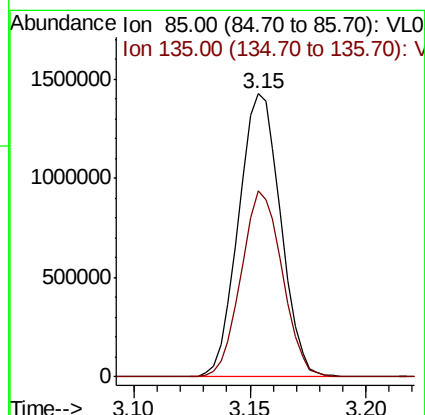
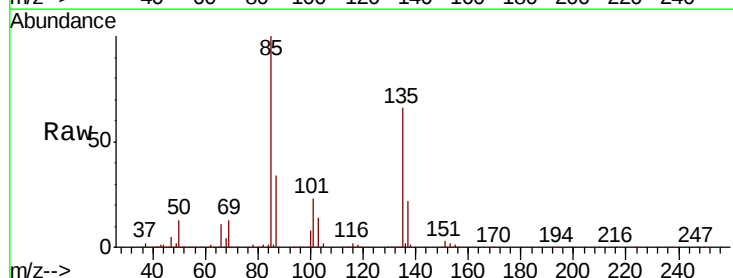
Acq: 31 Jul 2020 00:28

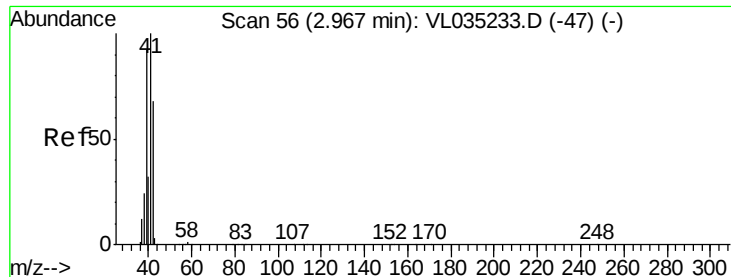
Tgt Ion: 85 Resp: 1798712

Ion Ratio Lower Upper

85 100

135 64.5 51.4 77.0





#9

Propene

Concen: 10.309 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

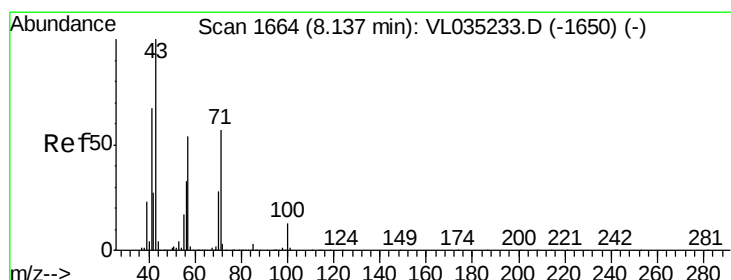
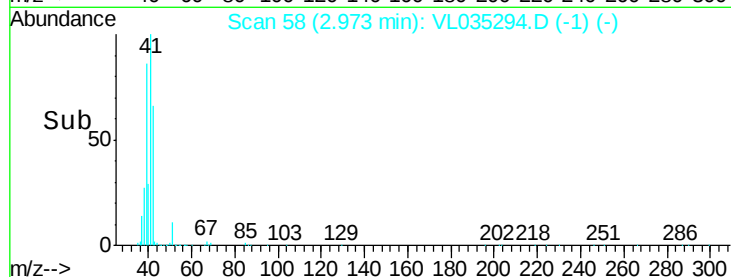
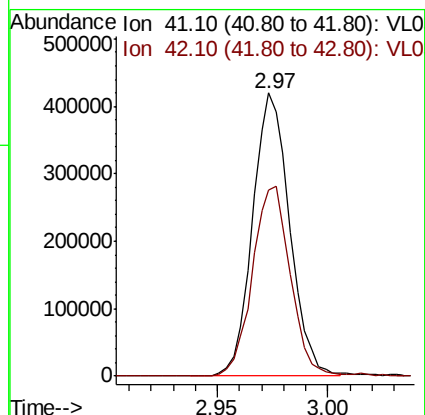
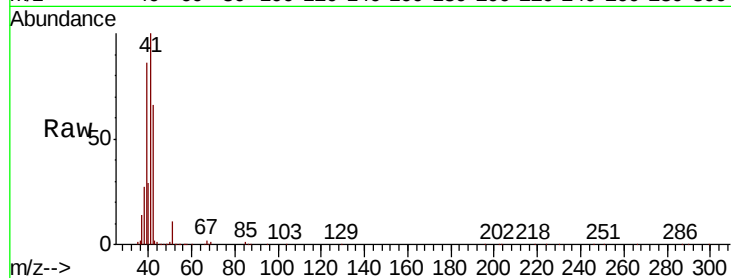
VSTDCCC010

Tot Ion: 41 Resp: 488717

Ion Ratio Lower Upper

41 100

42 69.3 55.0 82.6



#10

Heptane

Concen: 11.173 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035294.D

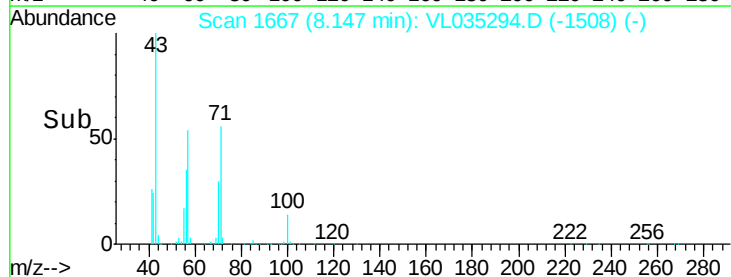
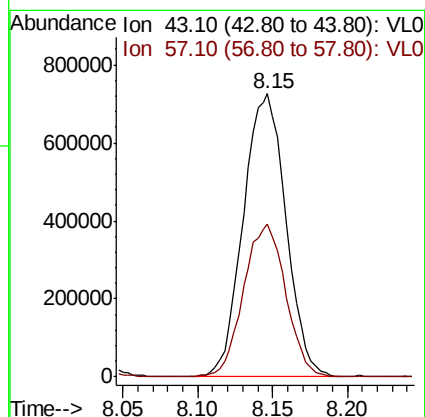
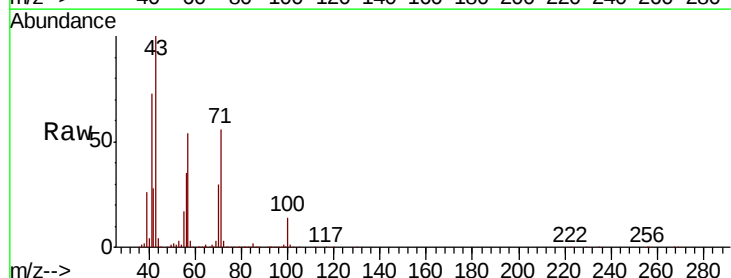
Acq: 31 Jul 2020 00:28

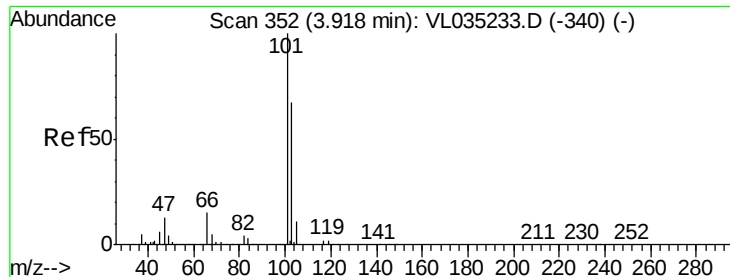
Tgt Ion: 43 Resp: 1433765

Ion Ratio Lower Upper

43 100

57 53.6 43.0 64.4

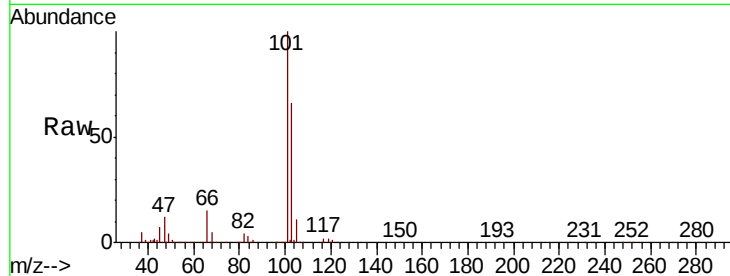




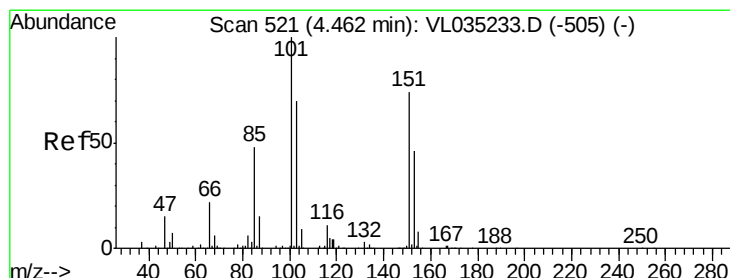
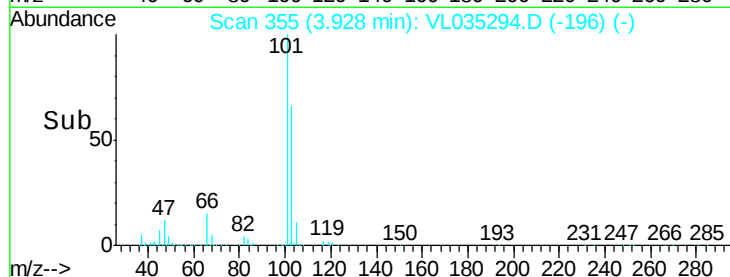
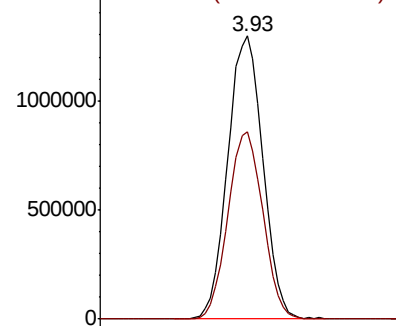
#11
 Trichlorofluoromethane
 Concen: 9.792 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1932637
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.4 80.0

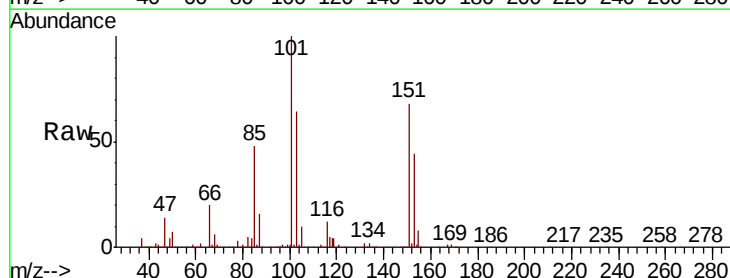


Abundance Ion 101.00 (100.70 to 101.70): V
 1500000 Ion 103.00 (102.70 to 103.70): V

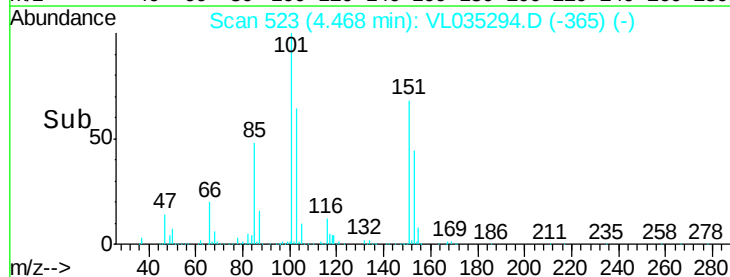
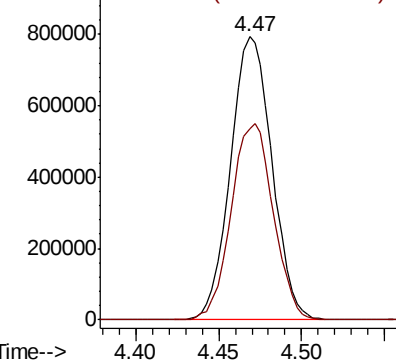


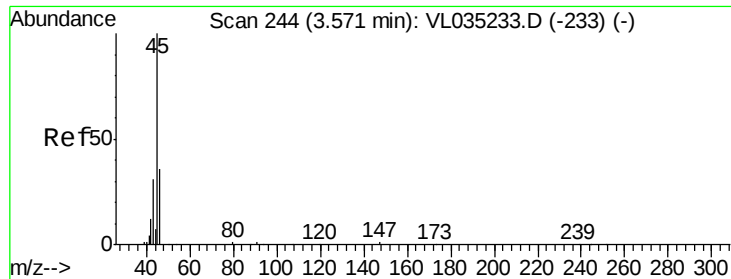
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.861 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Tgt Ion:101 Resp: 1380302
 Ion Ratio Lower Upper
 101 100
 151 70.5 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V
 800000 Ion 151.00 (150.70 to 151.70): V

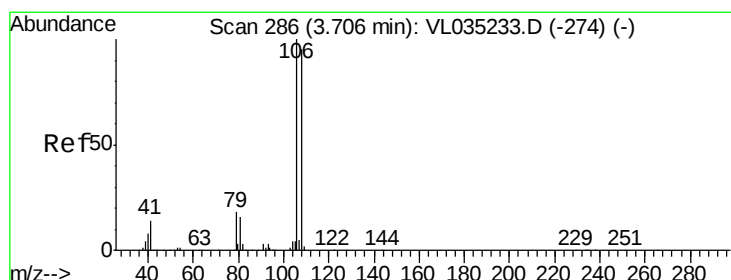
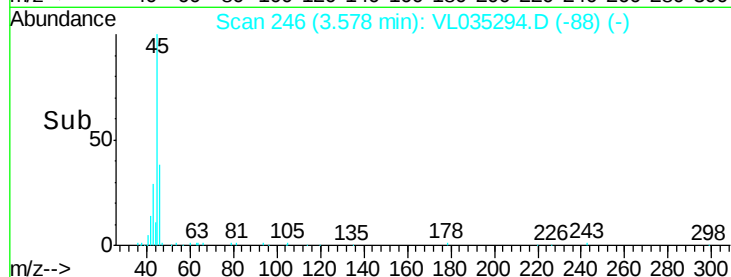
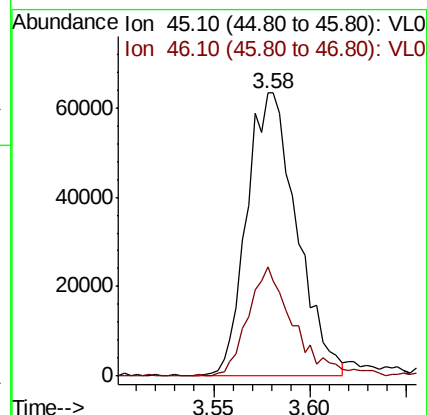
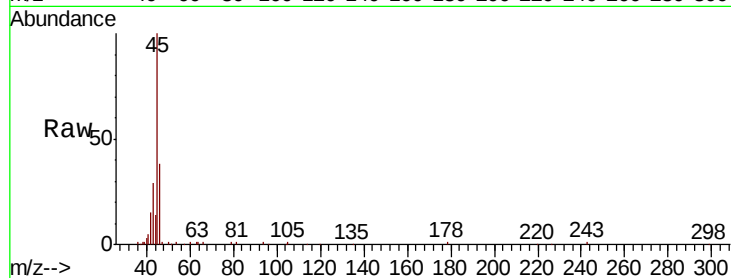




#13
Ethanol
Concen: 5.912 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL035294.D
Acq: 31 Jul 2020 00:28

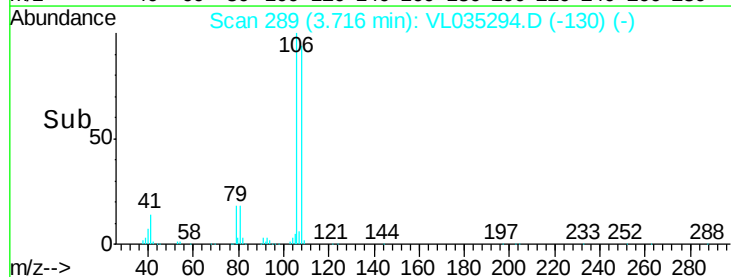
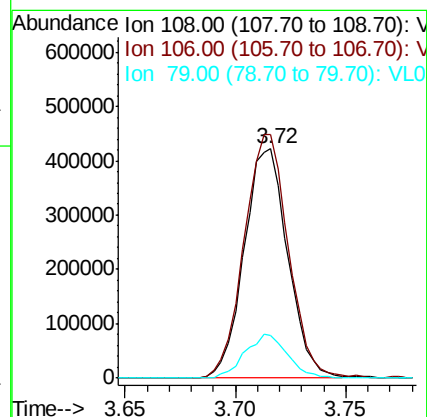
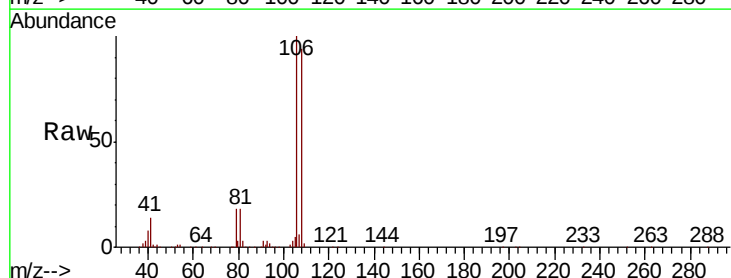
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

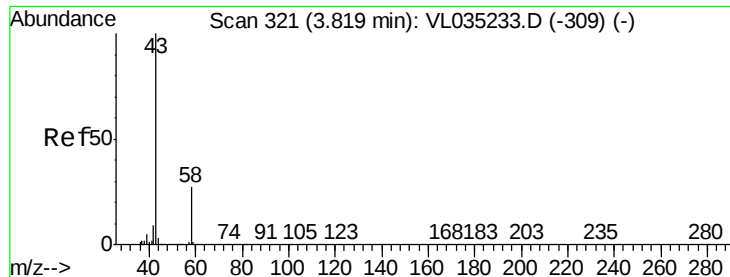
Tot Ion: 45 Resp: 114070
Ion Ratio Lower Upper
45 100
46 36.2 15.8 63.4



#14
Bromoethene
Concen: 10.163 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.01 min
Lab File: VL035294.D
Acq: 31 Jul 2020 00:28

Tgt Ion: 108 Resp: 580521
Ion Ratio Lower Upper
108 100
106 108.8 85.0 127.6
79 19.0 15.4 23.2





#15

Acetone

Concen: 8.745 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

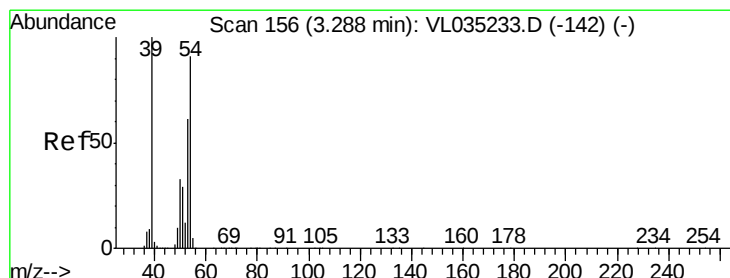
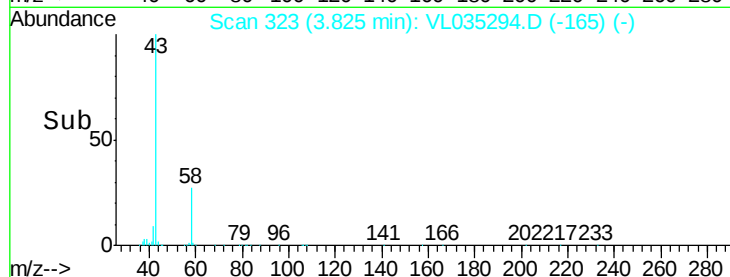
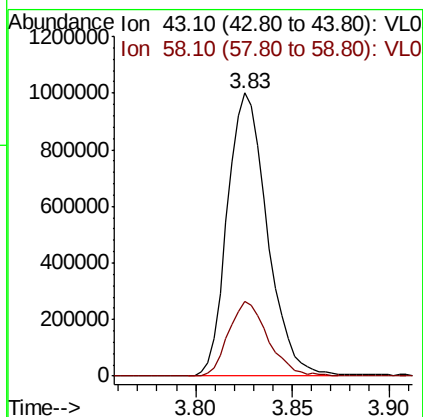
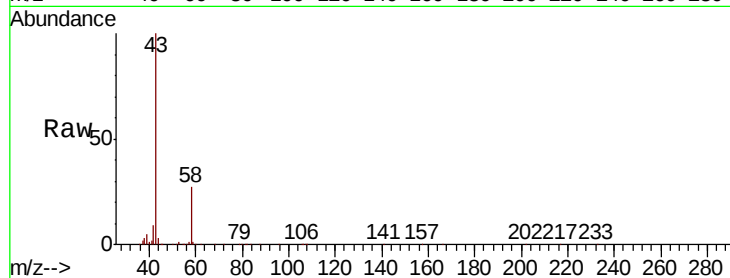
VSTDCCC010

Tot Ion: 43 Resp: 1433064

Ion Ratio Lower Upper

43 100

58 26.5 21.8 32.6



#16

1,3-Butadiene

Concen: 10.255 ppbv

RT: 3.30 min Scan# 159

Delta R.T. 0.01 min

Lab File: VL035294.D

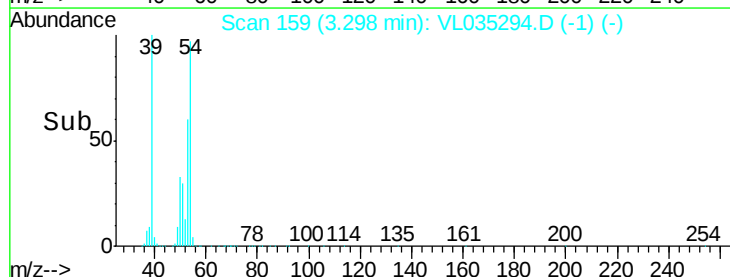
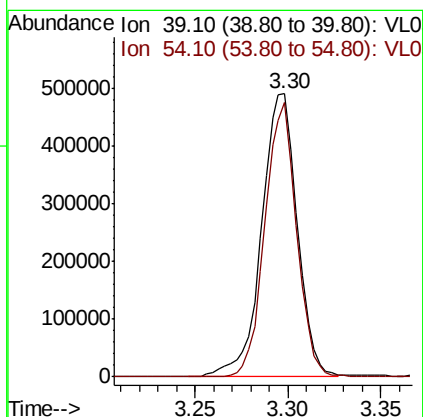
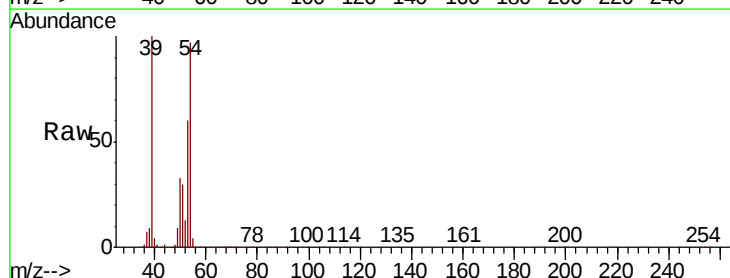
Acq: 31 Jul 2020 00:28

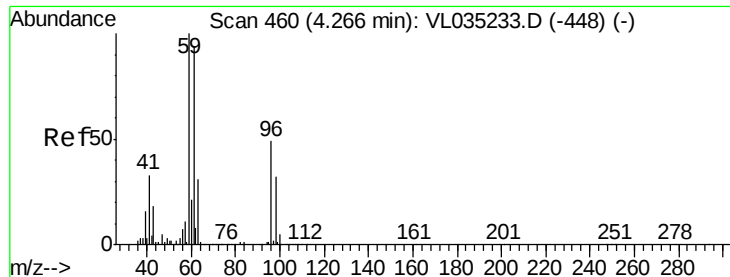
Tgt Ion: 39 Resp: 655554

Ion Ratio Lower Upper

39 100

54 86.6 68.2 102.2





#17

tert-Butyl alcohol
Concen: 9.929 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL035294.D
Acq: 31 Jul 2020 00:28

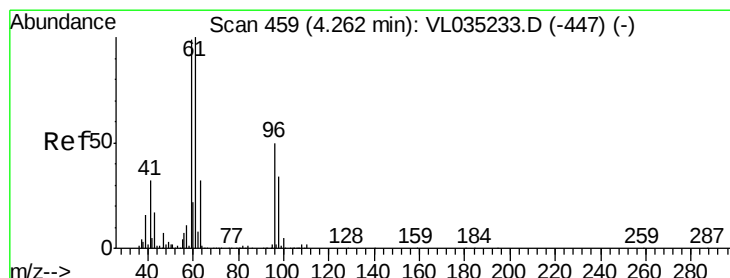
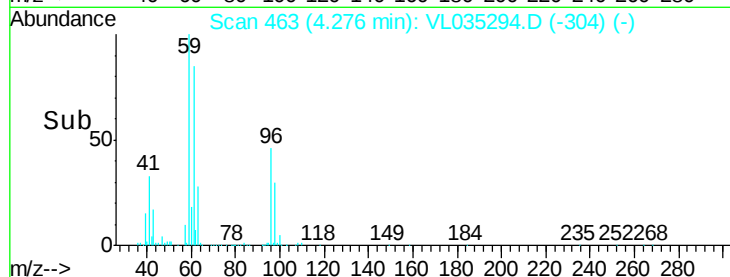
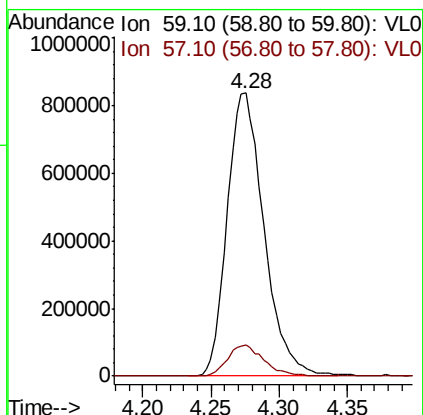
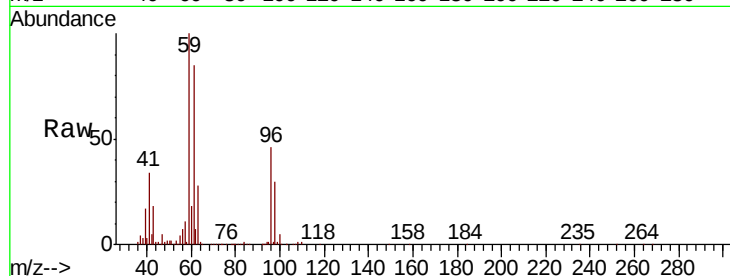
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1570442

Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8



#18

1,1-Dichloroethene
Concen: 10.201 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL035294.D
Acq: 31 Jul 2020 00:28

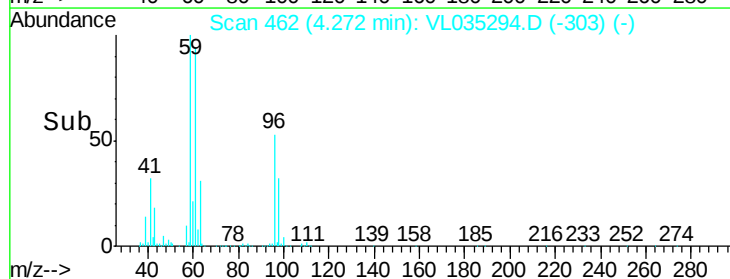
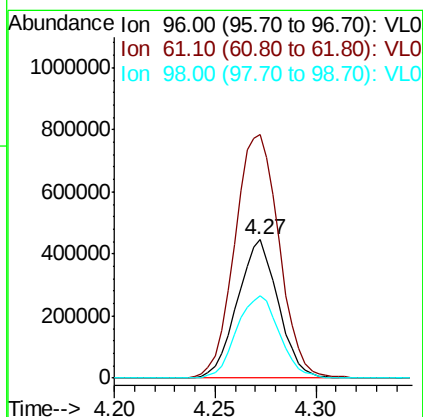
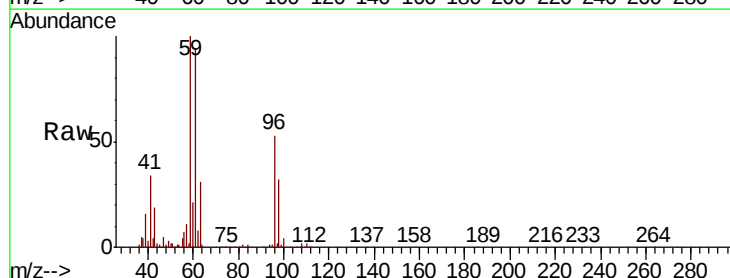
Tgt Ion: 96 Resp: 633986

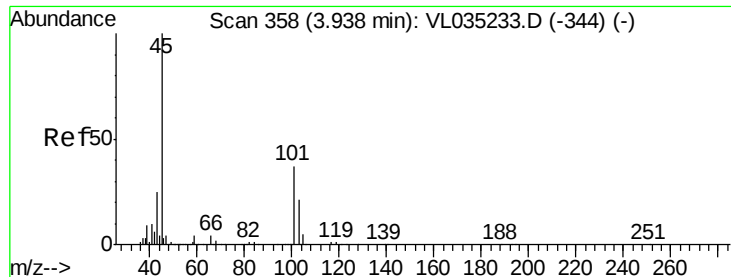
Ion Ratio Lower Upper

96 100

61 175.6 159.4 239.2

98 59.3 53.9 80.9





#19

Isopropyl Alcohol

Concen: 9.295 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

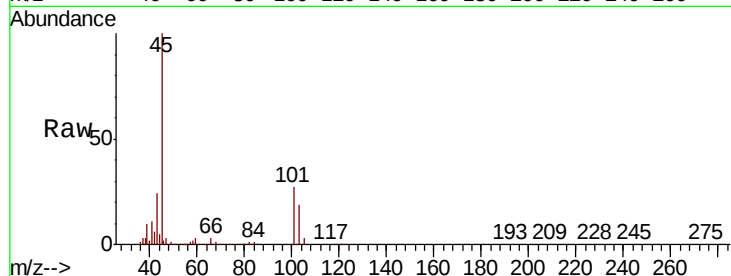
VSTDCCC010

Tot Ion: 45 Resp: 1004595

Ion Ratio Lower Upper

45 100

58 2.4 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

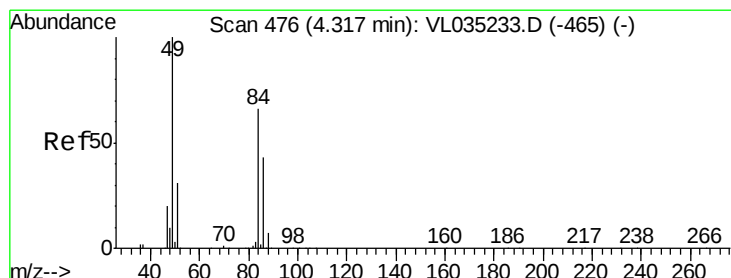
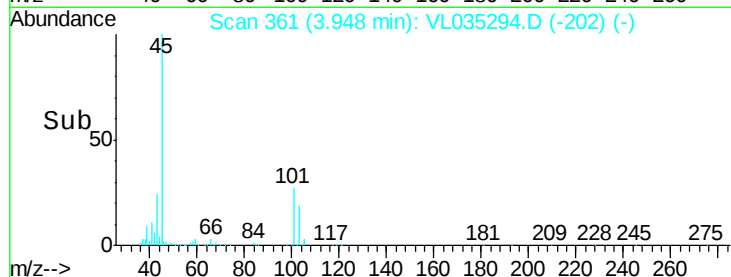
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.870 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Tgt Ion: 84 Resp: 587066

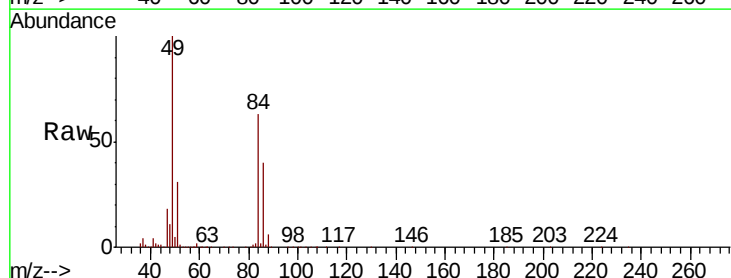
Ion Ratio Lower Upper

84 100

49 159.2 121.0 181.4

51 48.9 37.7 56.5

86 64.3 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

800000

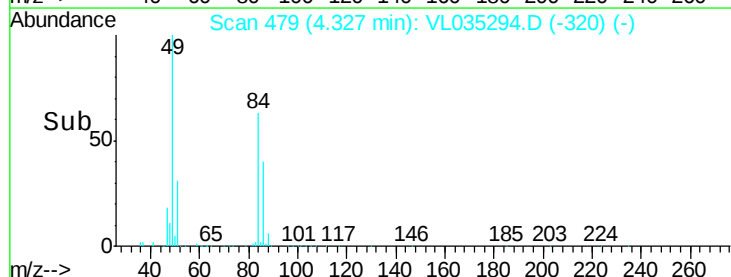
600000

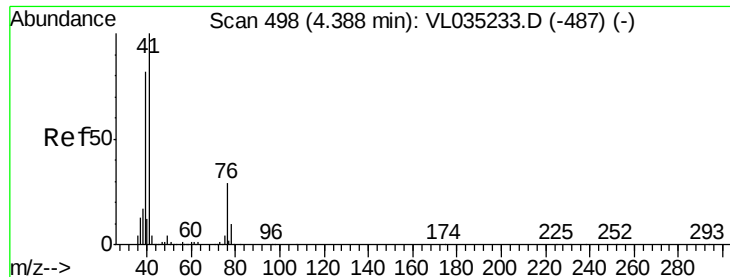
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.435 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

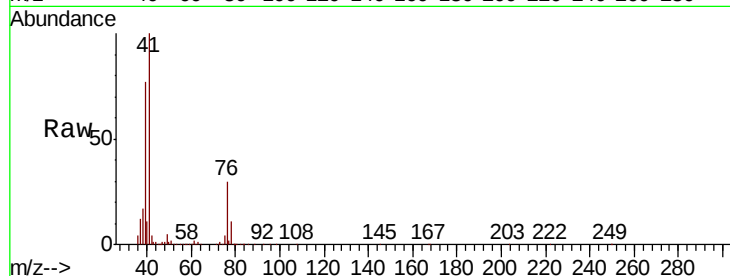
Tot Ion: 41 Resp: 973876

Ion Ratio Lower Upper

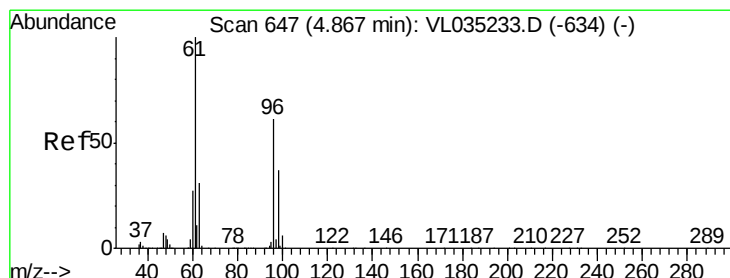
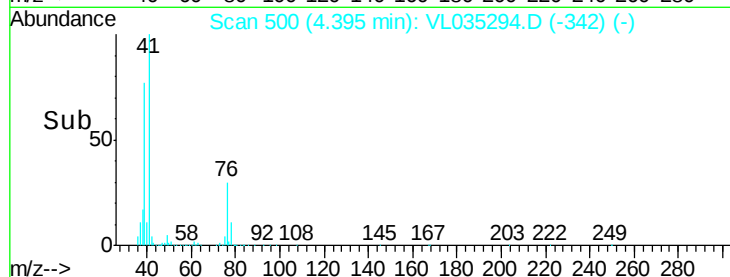
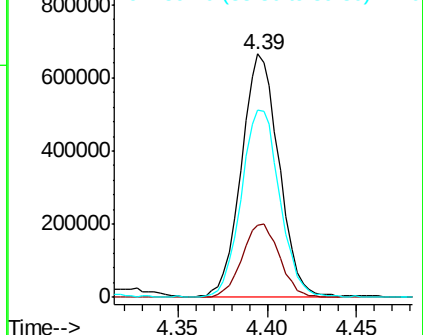
41 100

76 30.2 24.4 36.6

39 79.9 63.8 95.8



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



#22

trans-1,2-Dichloroethene

Concen: 10.147 ppbv

RT: 4.88 min Scan# 651

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

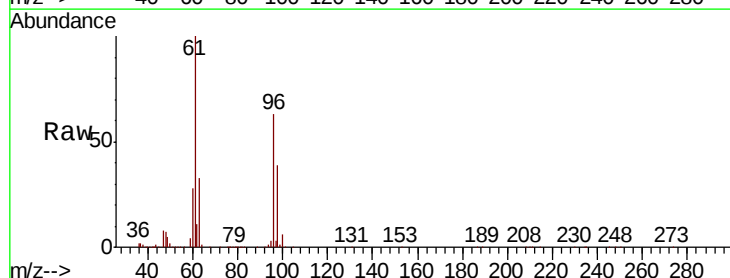
Tgt Ion: 96 Resp: 605966

Ion Ratio Lower Upper

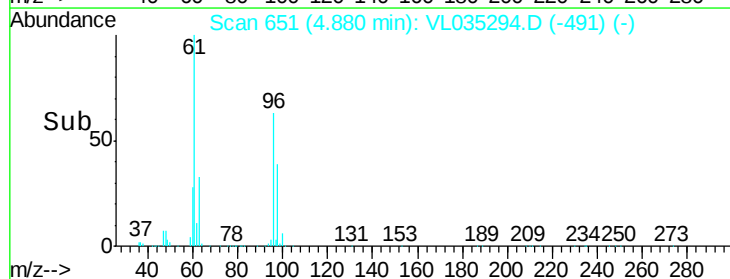
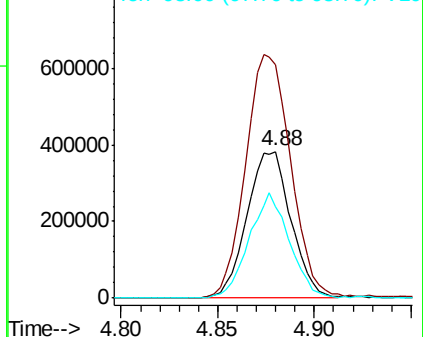
96 100

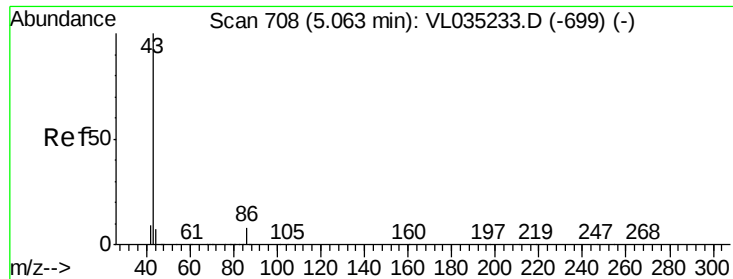
61 158.5 131.6 197.4

98 62.2 49.0 73.4



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





#23

Vinyl Acetate

Concen: 10.684 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1759344

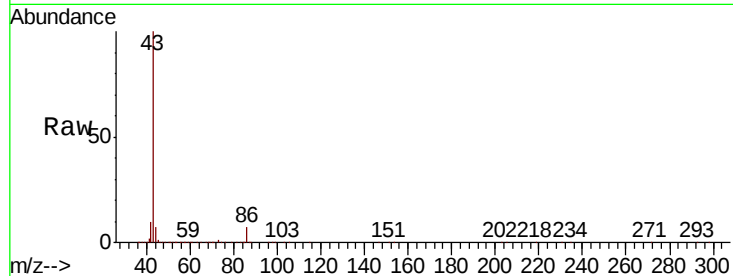
Ion Ratio Lower Upper

43 100

86 7.5 6.2 9.2

42 10.2 8.0 12.0

44 6.4 5.2 7.8

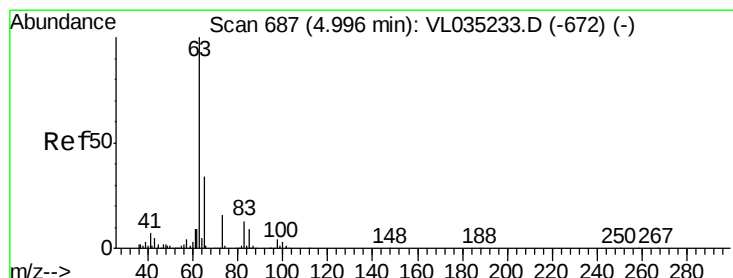
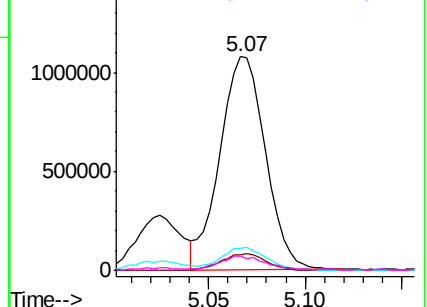
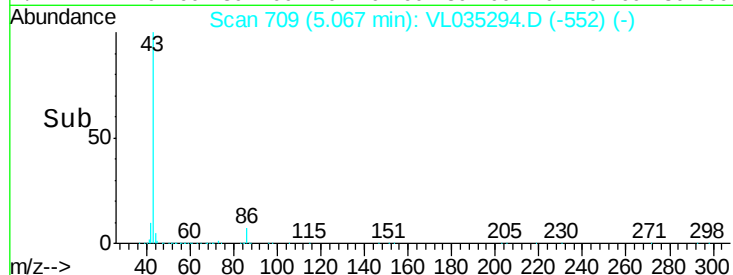


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.878 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

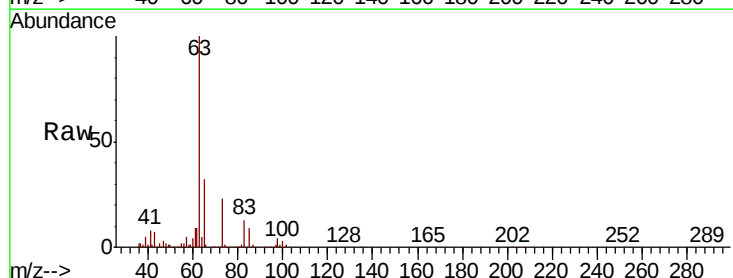
Tgt Ion: 63 Resp: 1516973

Ion Ratio Lower Upper

63 100

98 4.3 1.9 5.7

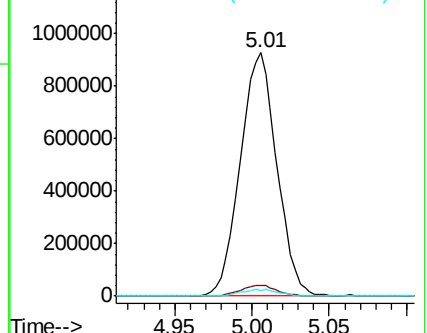
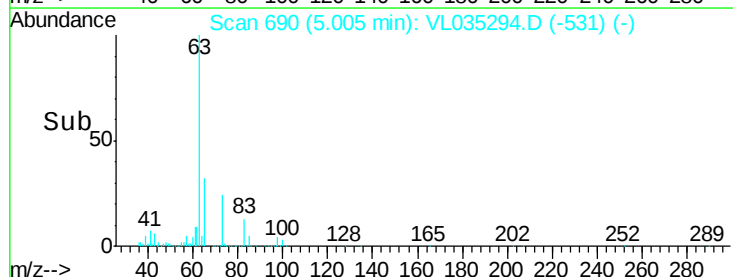
100 2.5 1.4 4.2

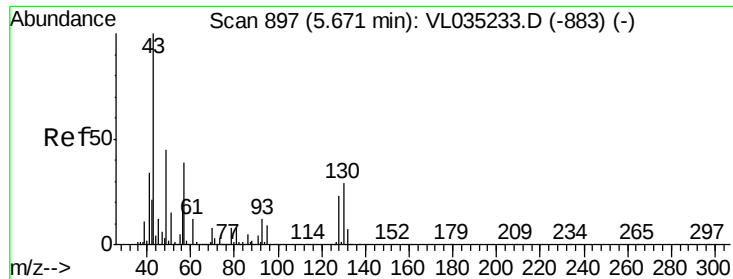


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

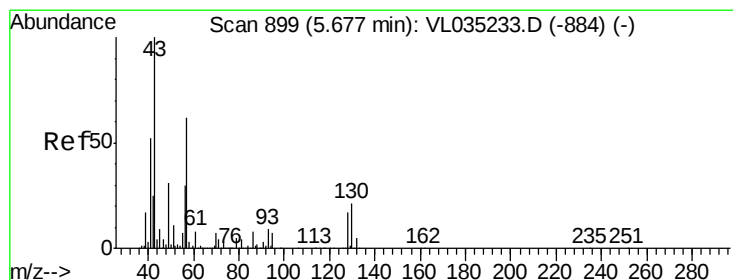
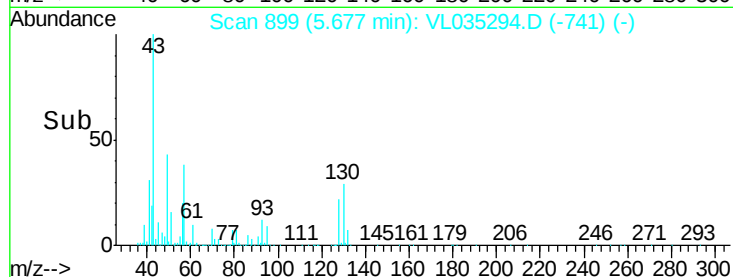
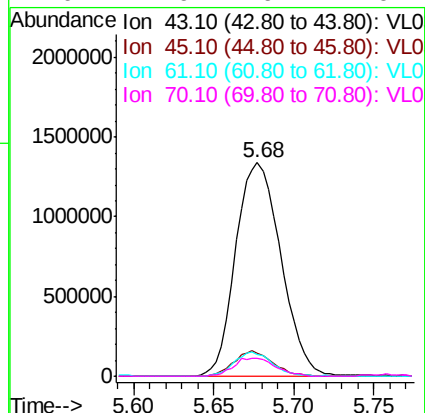
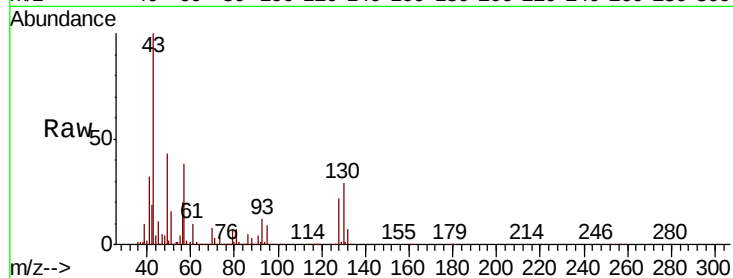




#25
Ethyl Acetate
Concen: 10.074 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035294.D
Acq: 31 Jul 2020 00:28

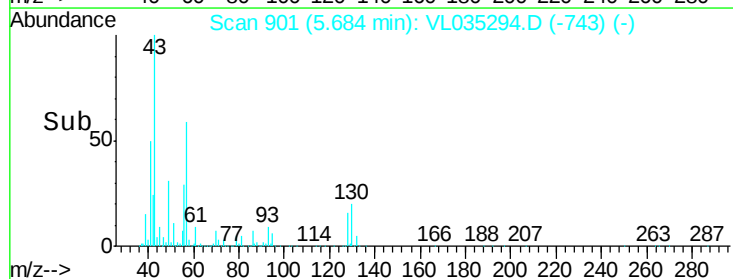
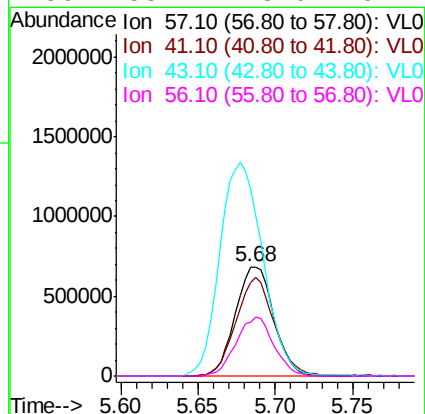
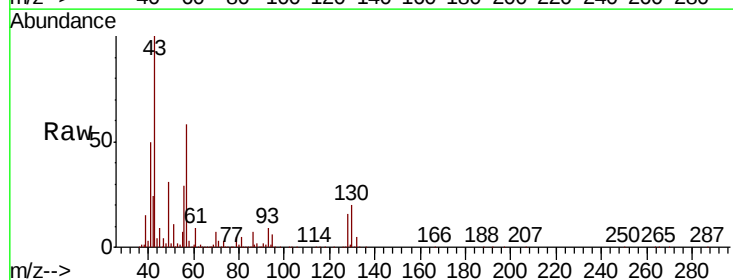
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

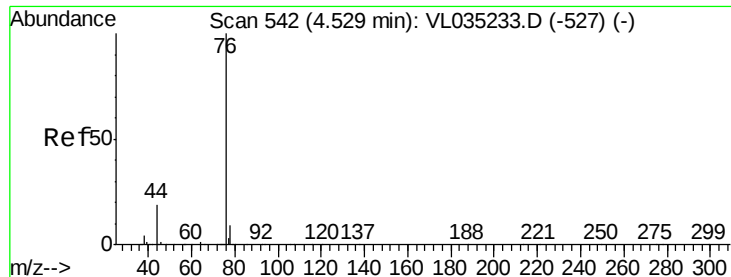
Tot Ion:	43	Resp:	2578165
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.5	12.7
61	9.9	8.1	12.1
70	7.9	6.2	9.4



#26
Hexane
Concen: 10.186 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035294.D
Acq: 31 Jul 2020 00:28

Tgt Ion:	57	Resp:	1175952
Ion	Ratio	Lower	Upper
57	100		
41	91.1	73.9	110.9
43	220.3	177.6	266.4
56	53.2	43.0	64.4





#27

Carbon Disulfide

Concen: 10.426 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

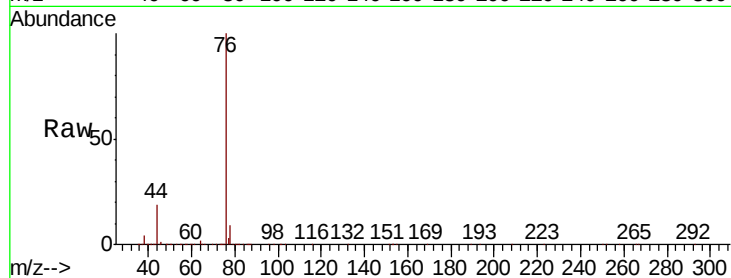
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1626264

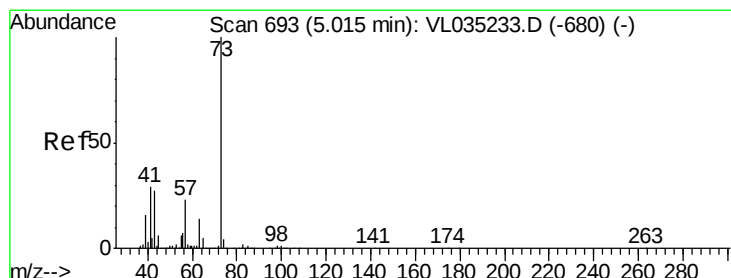
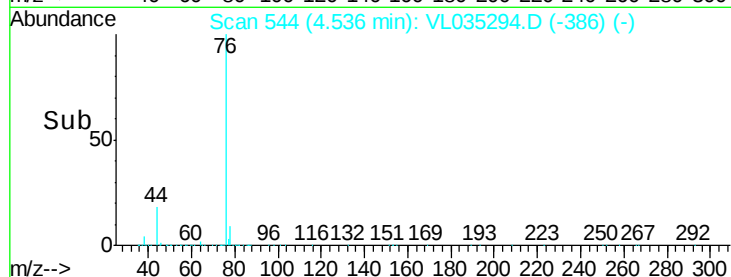
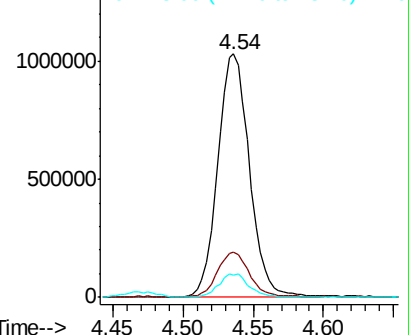
Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.7	22.1
78	9.5	7.6	11.4



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: 10.670 ppbv

RT: 5.02 min Scan# 696

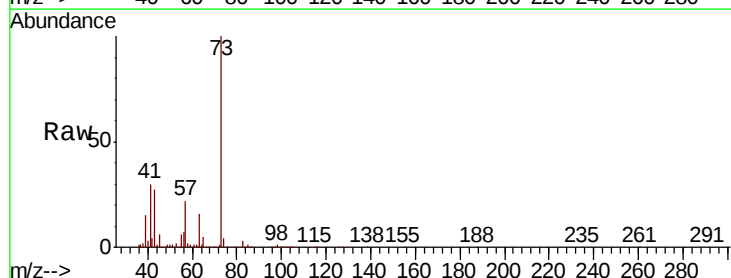
Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

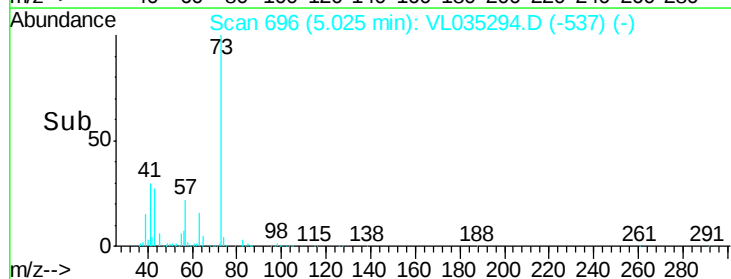
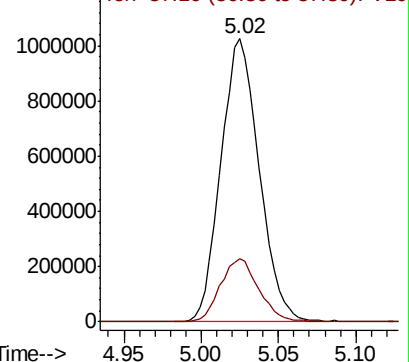
Tgt Ion: 73 Resp: 1761051

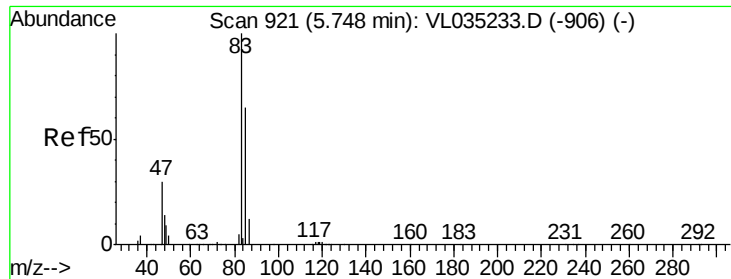
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.2	27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.690 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

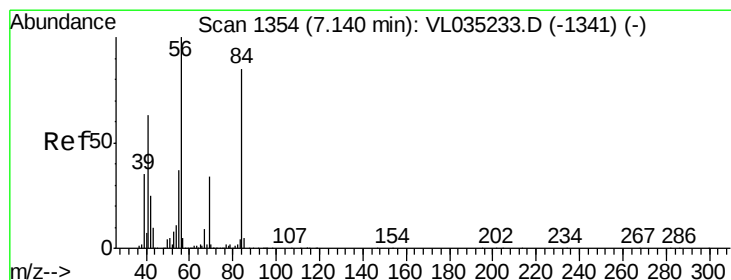
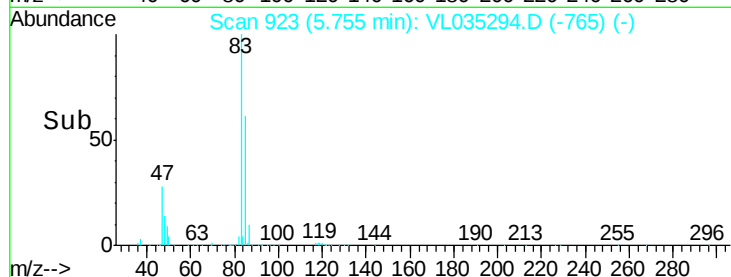
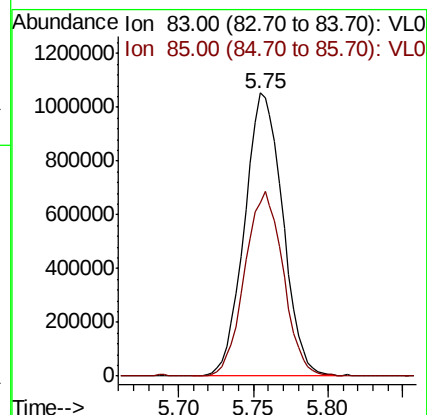
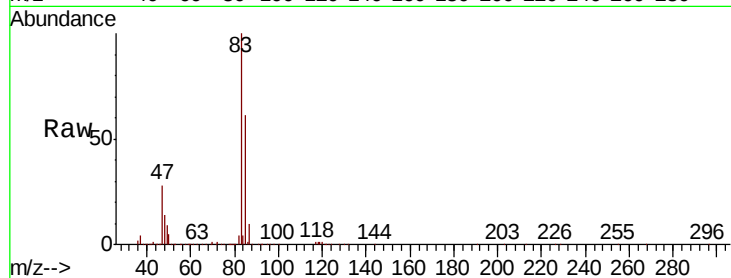
VSTDCCC010

Tot Ion: 83 Resp: 1876314

Ion Ratio Lower Upper

83 100

85 61.3 51.7 77.5



#30

Cyclohexane

Concen: 11.518 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

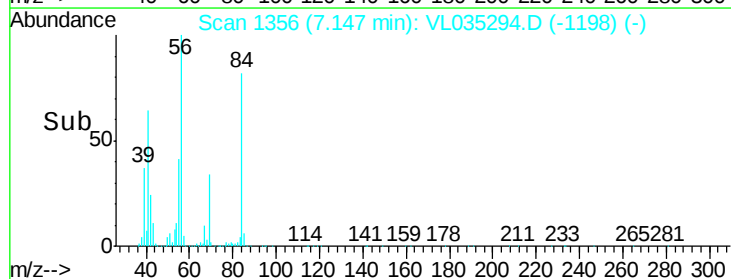
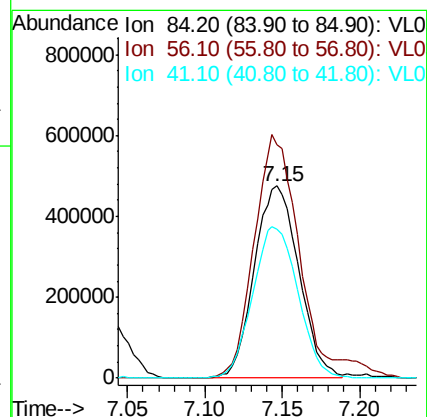
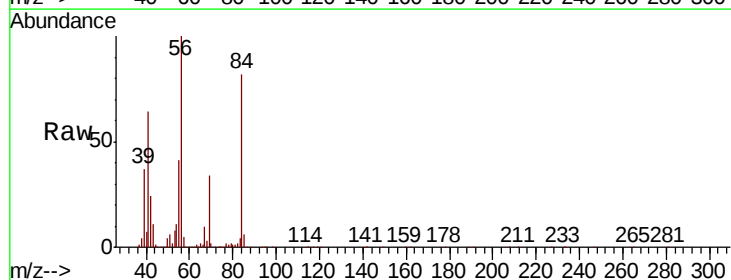
Tgt Ion: 84 Resp: 950475

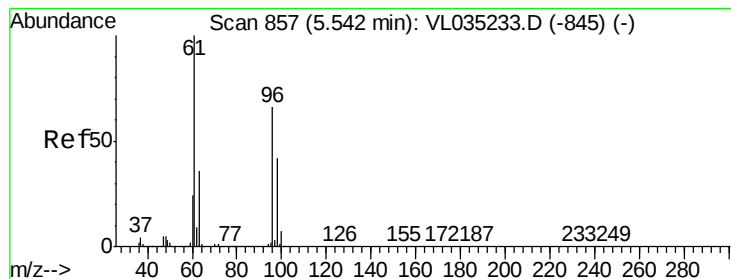
Ion Ratio Lower Upper

84 100

56 131.6 104.2 156.2

41 80.5 63.7 95.5





#31

cis-1,2-Dichloroethene

Concen: 11.276 ppbv

RT: 5.55 min Scan# 859

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

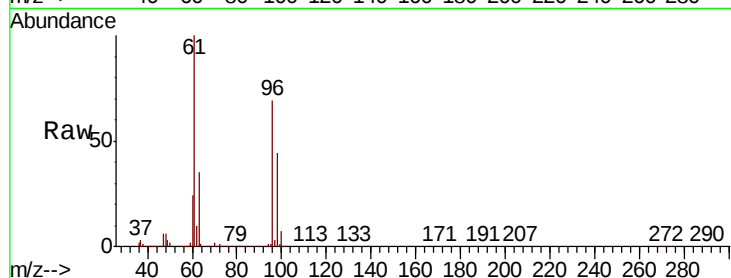
Tot Ion: 61 Resp: 1134851

Ion Ratio Lower Upper

61 100

96 69.2 52.6 78.8

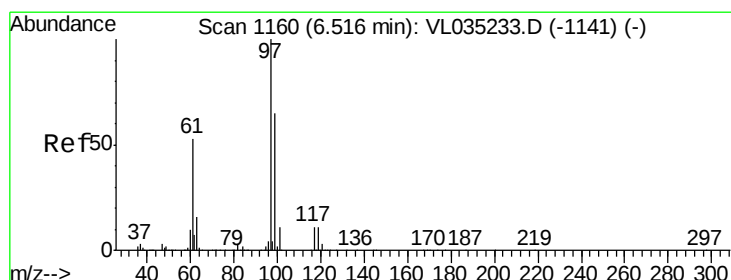
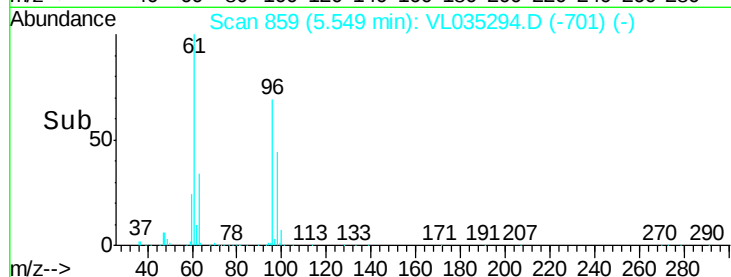
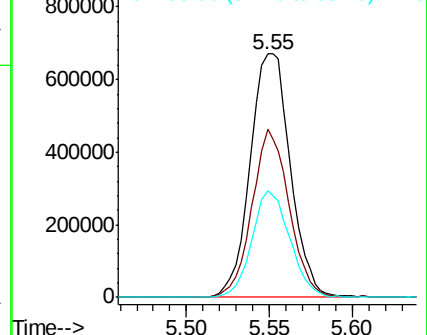
98 43.7 33.7 50.5



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.370 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

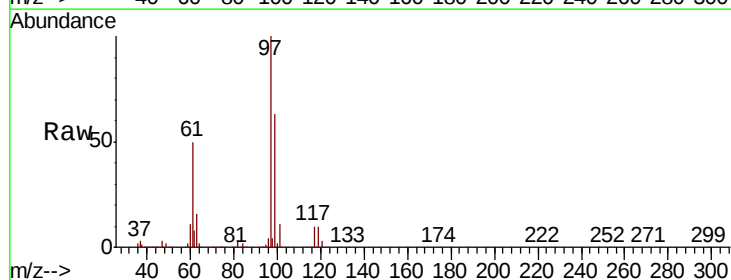
Tgt Ion: 97 Resp: 1856986

Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

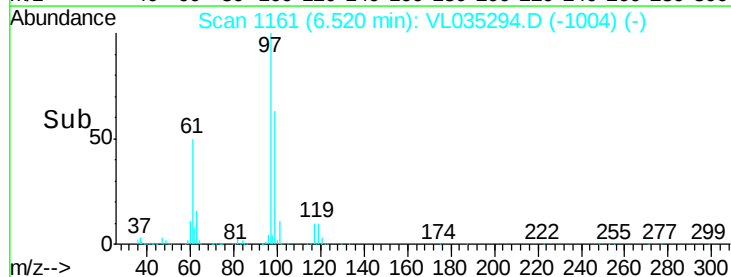
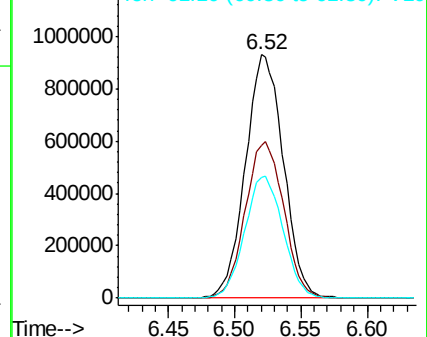
61 50.7 40.4 60.6

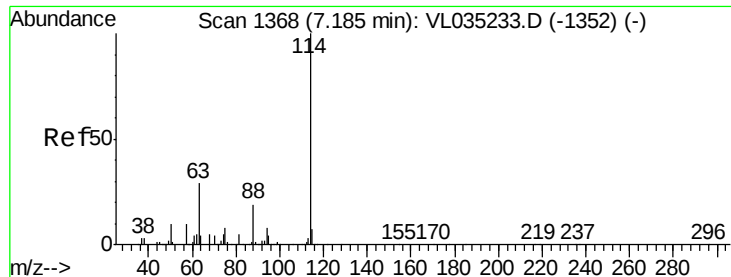


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

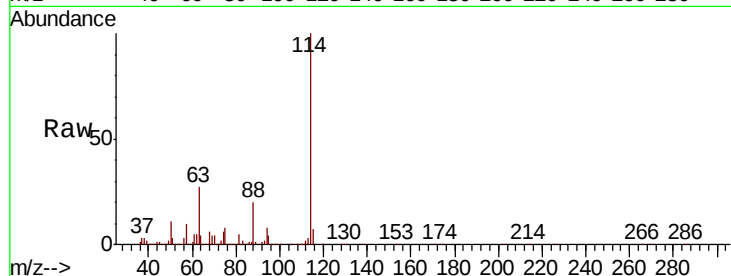




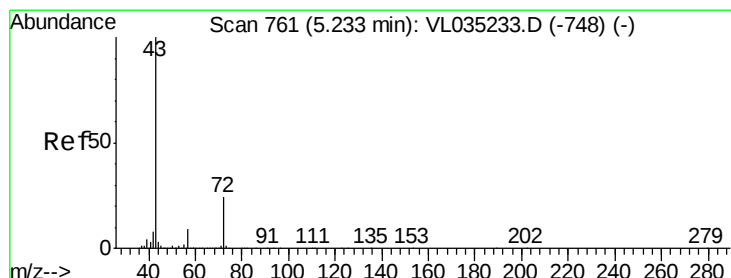
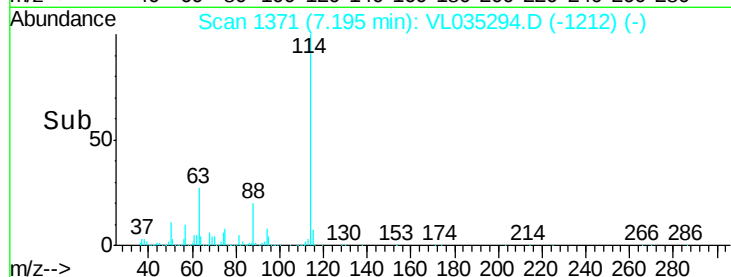
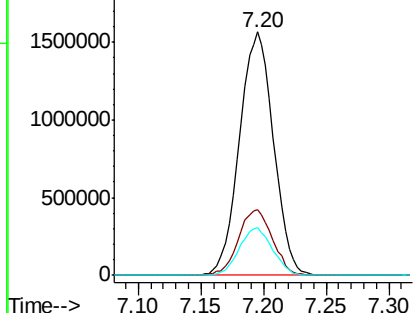
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2954124
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.2 33.2
 88 19.2 15.4 23.0

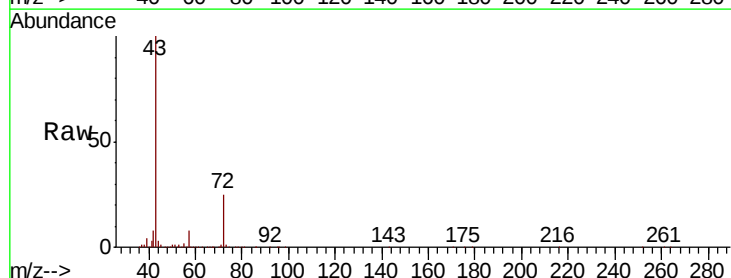


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

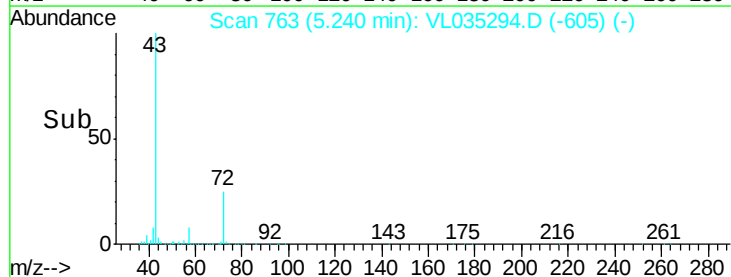
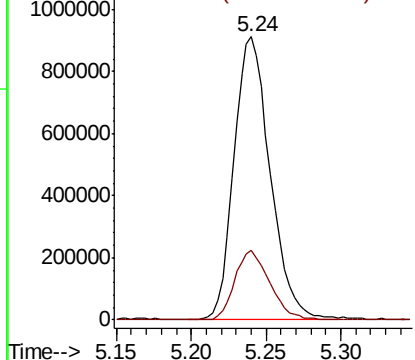


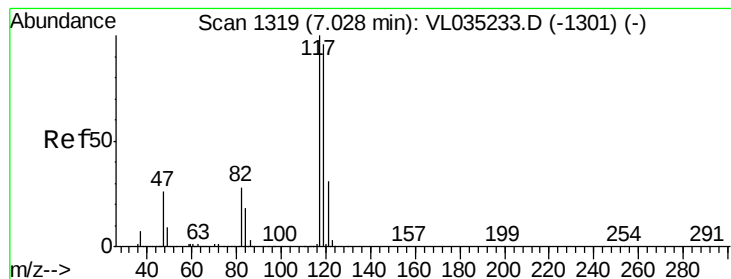
#34
 2-Butanone
 Concen: 10.179 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Tgt Ion: 43 Resp: 1530006
 Ion Ratio Lower Upper
 43 100
 72 23.9 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: 9.794 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

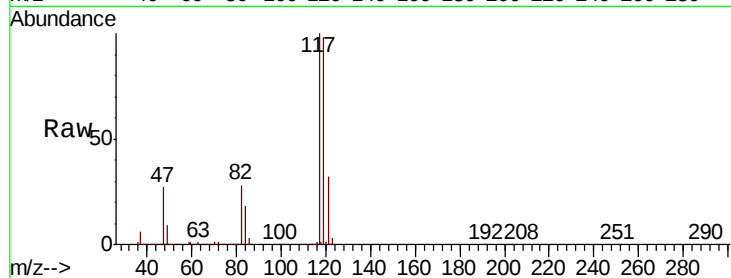
Tot Ion:117 Resp: 1937232

Ion Ratio Lower Upper

117 100

119 98.1 76.8 115.2

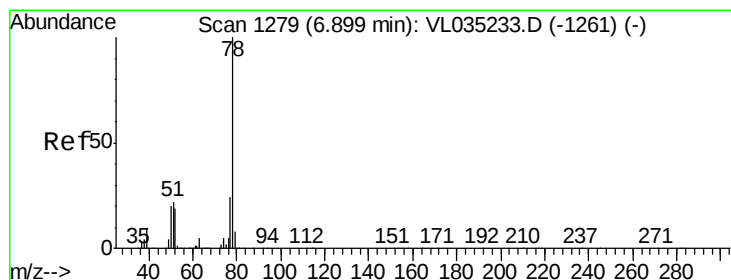
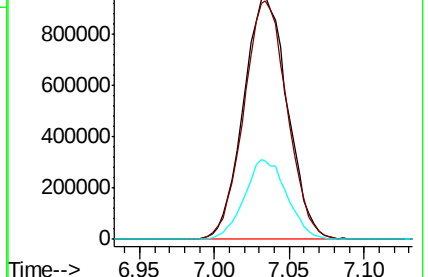
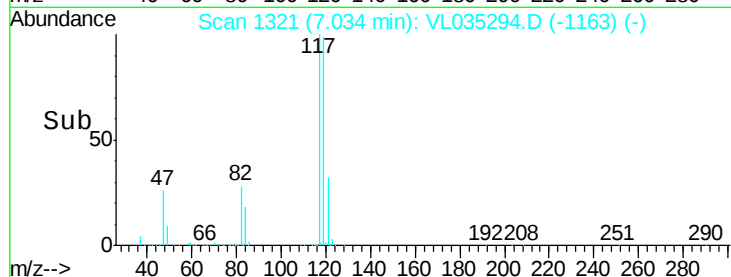
121 32.4 24.5 36.7



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: 10.927 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

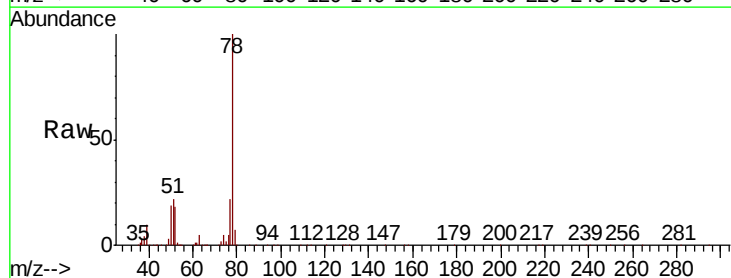
Tgt Ion: 78 Resp: 2243384

Ion Ratio Lower Upper

78 100

77 22.0 18.9 28.3

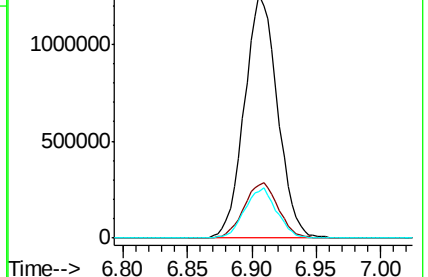
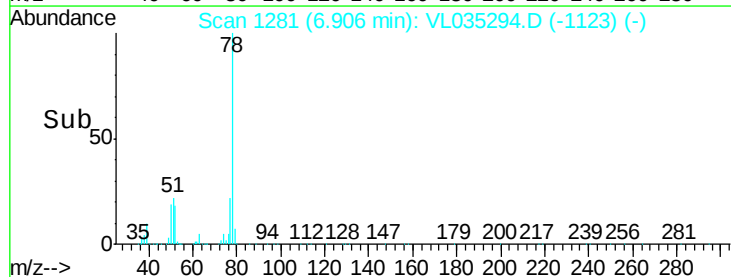
50 19.3 16.1 24.1

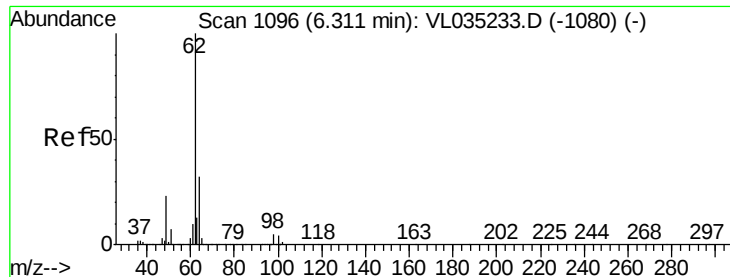


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.207 ppbv

RT: 6.32 min Scan# 1098

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

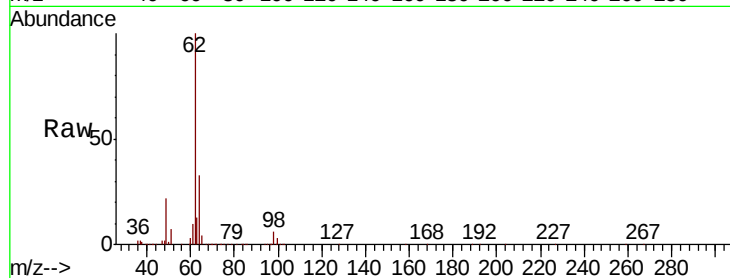
VSTDCCC010

Tot Ion: 62 Resp: 1464955

Ion Ratio Lower Upper

62 100

98 5.4 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.32

800000

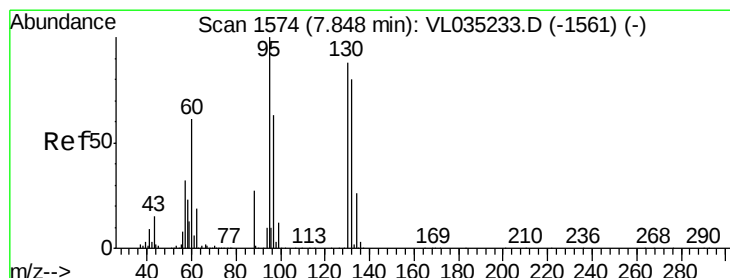
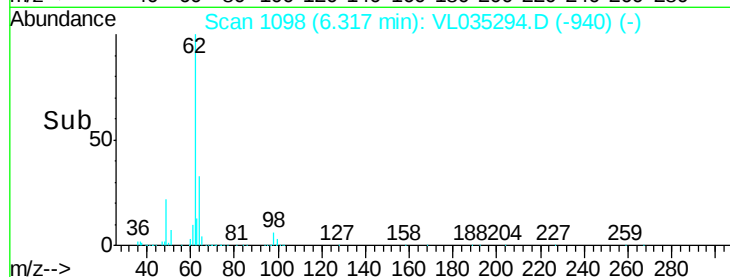
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 11.116 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Tgt Ion: 130 Resp: 945835

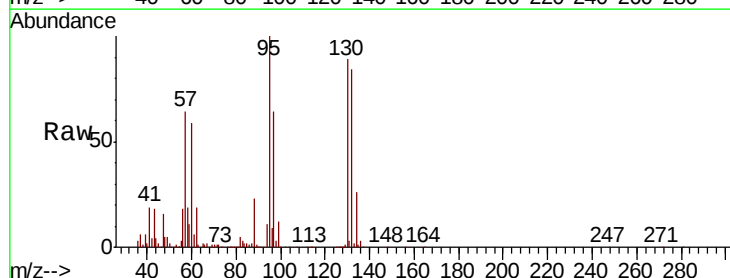
Ion Ratio Lower Upper

130 100

95 112.6 90.7 136.1

132 94.7 72.9 109.3

97 72.3 57.1 85.7



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

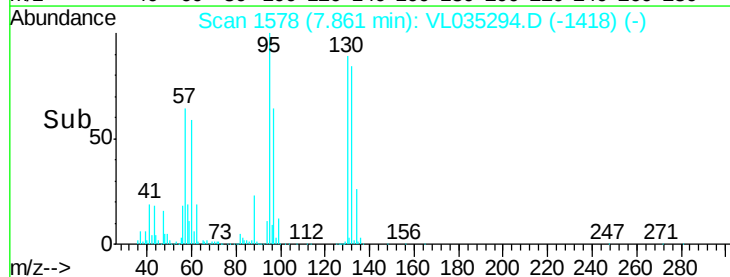
600000

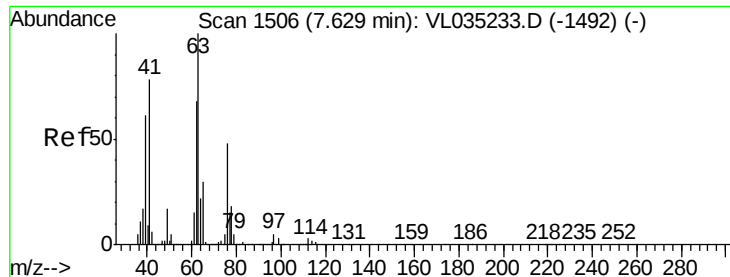
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 10.866 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

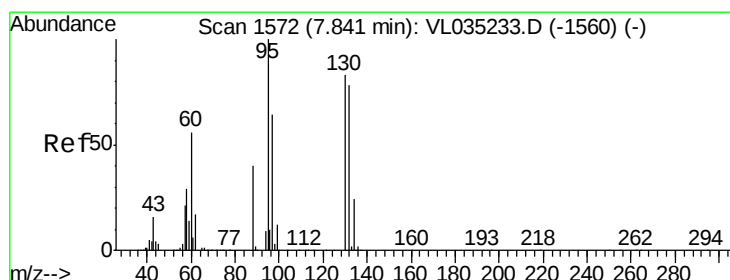
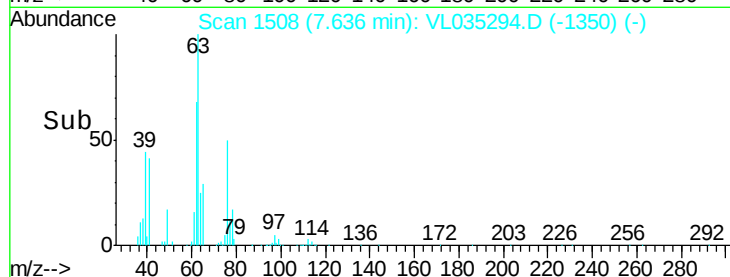
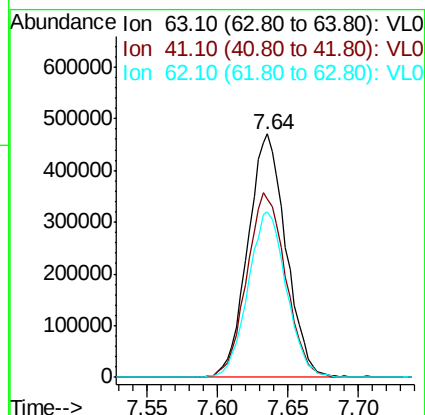
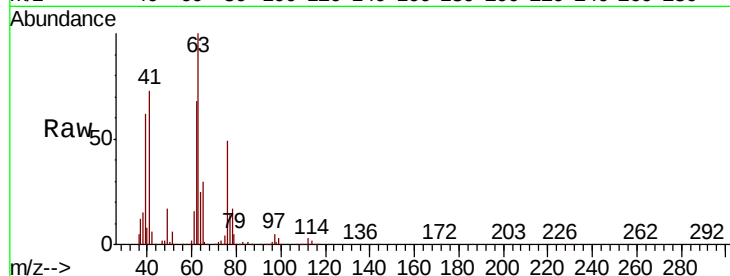
Tot Ion: 63 Resp: 890058

Ion Ratio Lower Upper

63 100

41 73.0 62.2 93.4

62 68.2 54.2 81.2



#40

1,4-Dioxane

Concen: 10.991 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Tgt Ion: 88 Resp: 354534

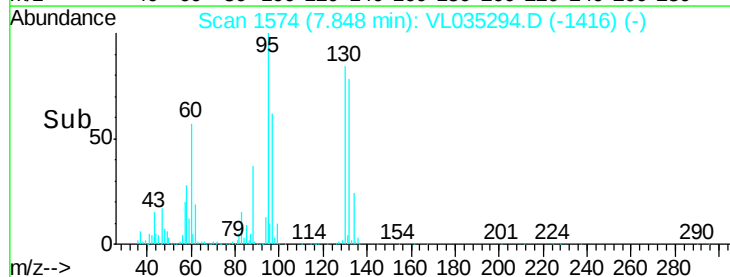
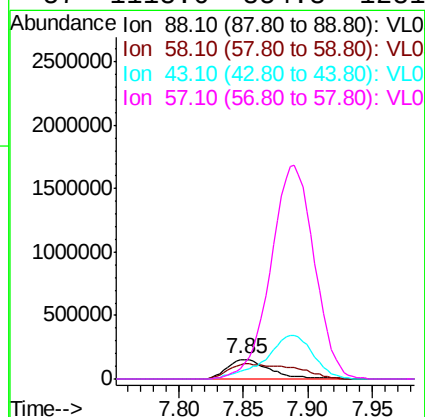
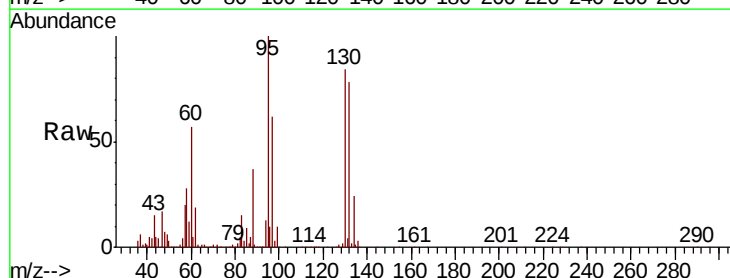
Ion Ratio Lower Upper

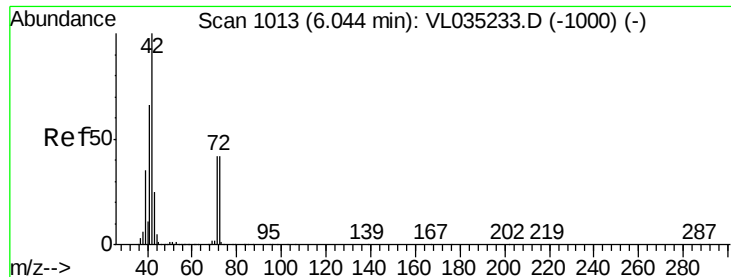
88 100

58 127.1 99.3 148.9

43 251.1 195.6 293.4

57 1118.6 854.3 1281.5





#41

Tetrahydrofuran

Concen: 11.139 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

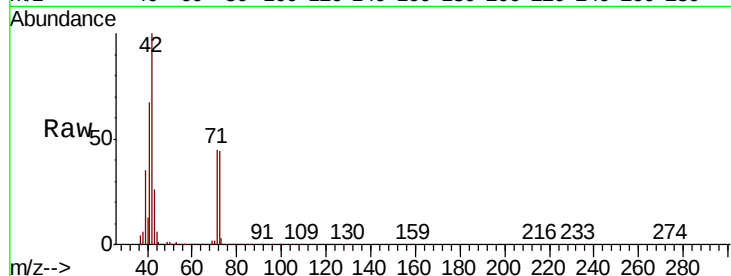
Tot Ion: 42 Resp: 820628

Ion Ratio Lower Upper

42 100

72 43.4 34.2 51.2

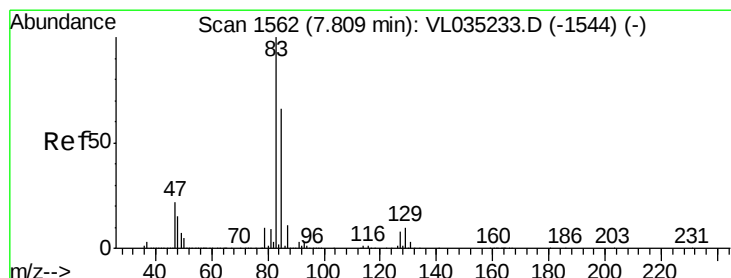
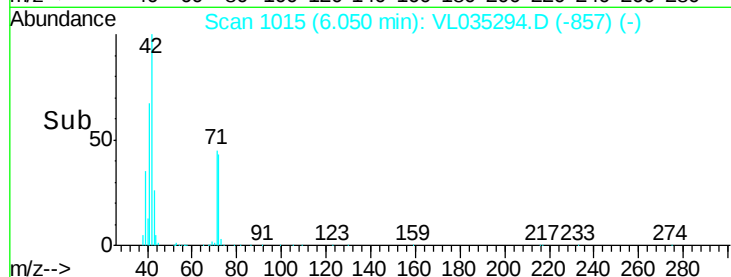
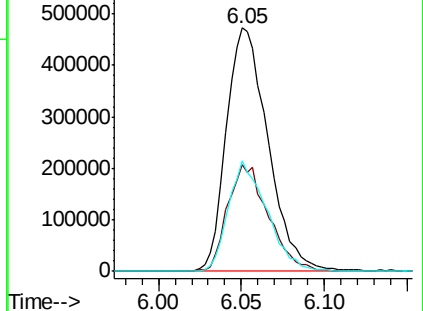
71 42.5 33.2 49.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.467 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

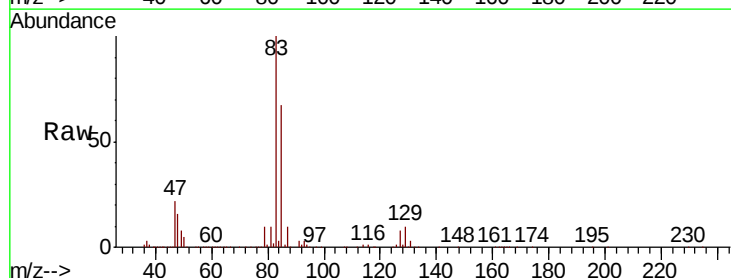
Tgt Ion: 83 Resp: 2004948

Ion Ratio Lower Upper

83 100

85 67.4 52.9 79.3

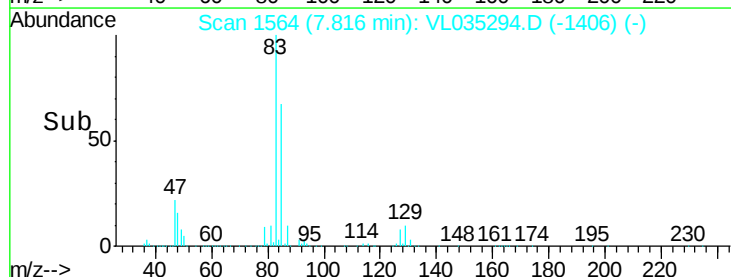
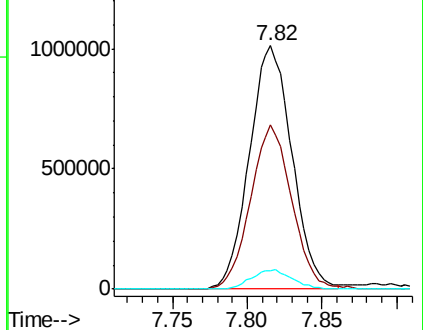
127 7.7 6.5 9.7

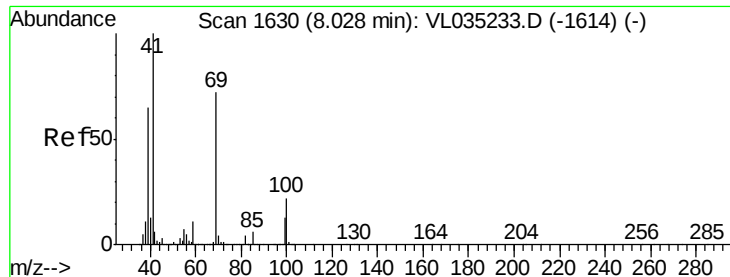


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.632 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

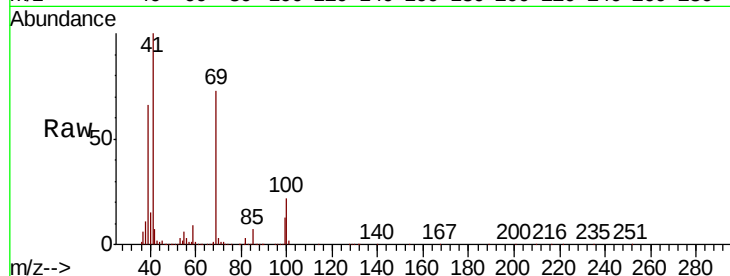
Tot Ion: 69 Resp: 1034683

Ion Ratio Lower Upper

69 100

41 140.5 113.0 169.4

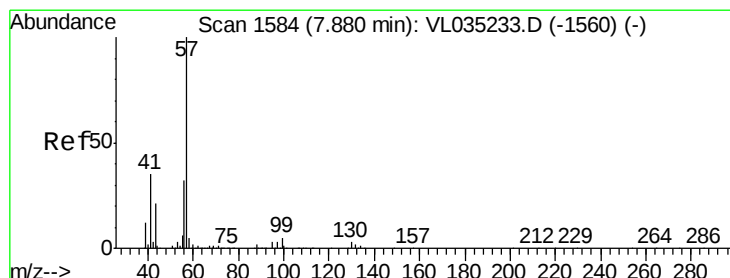
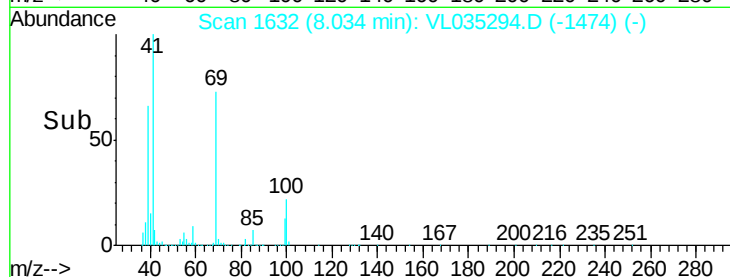
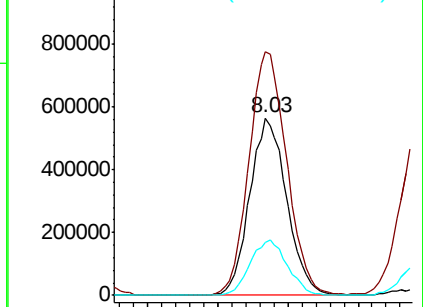
100 31.6 25.3 37.9



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.932 ppbv

RT: 7.89 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

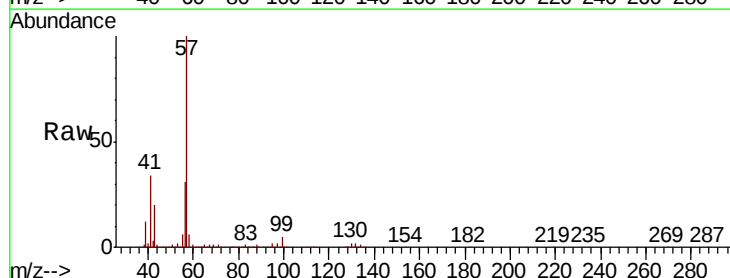
Tgt Ion: 57 Resp: 3954486

Ion Ratio Lower Upper

57 100

41 33.2 27.0 40.4

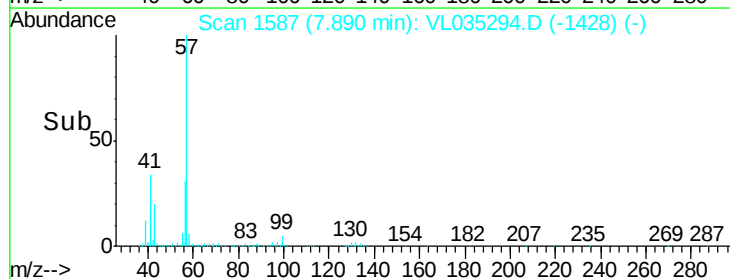
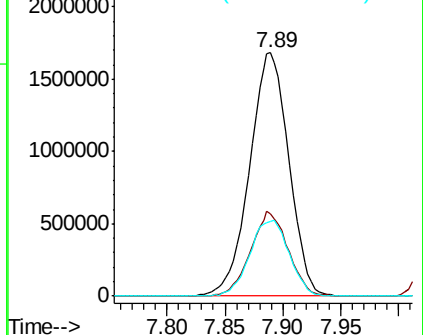
56 31.3 25.6 38.4

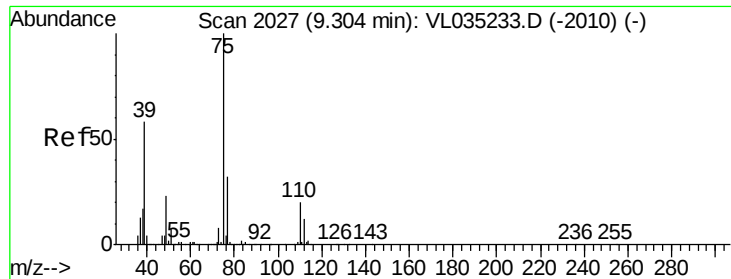


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.582 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

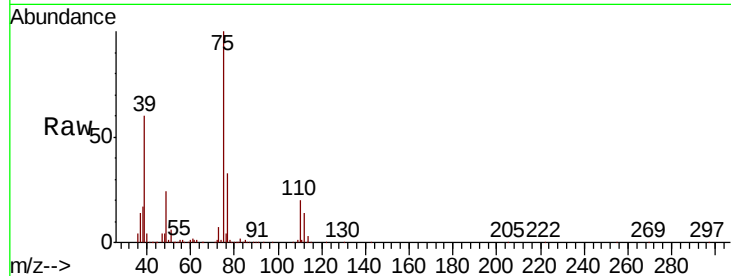
VSTDCCC010

Tot Ion: 75 Resp: 1127739

Ion Ratio Lower Upper

75 100

77 33.5 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.31

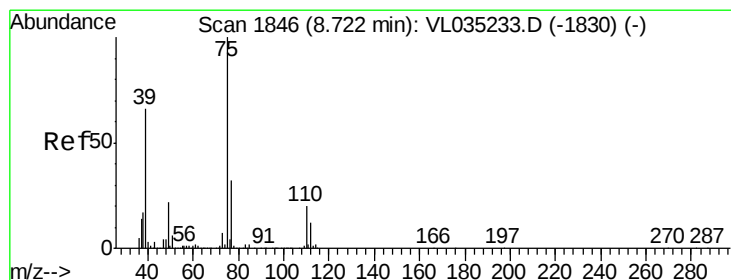
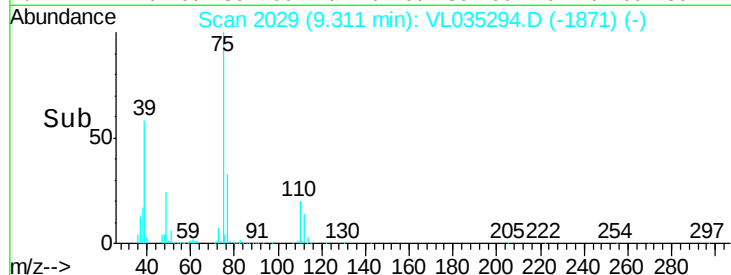
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.332 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

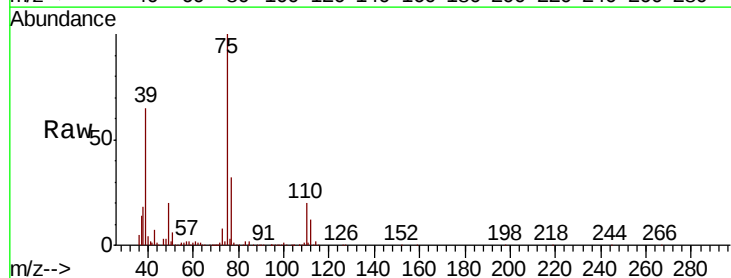
Tgt Ion: 75 Resp: 1346496

Ion Ratio Lower Upper

75 100

39 64.8 53.0 79.4

77 31.9 25.8 38.8



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

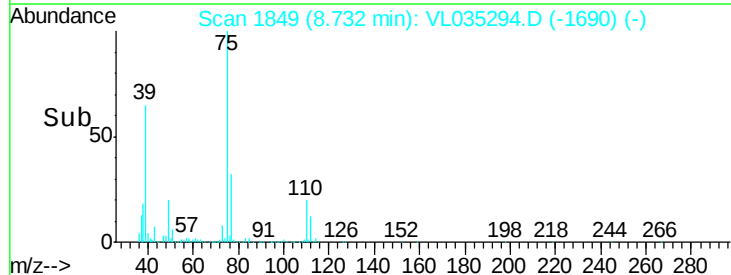
600000

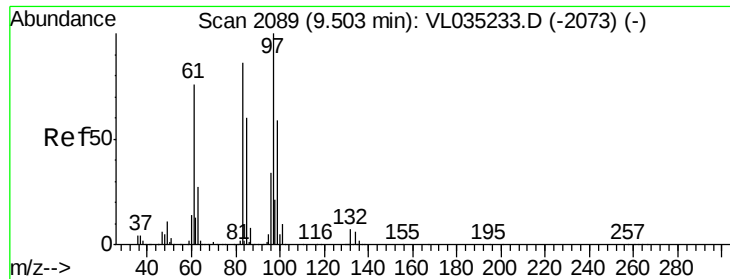
400000

200000

0

Time-->

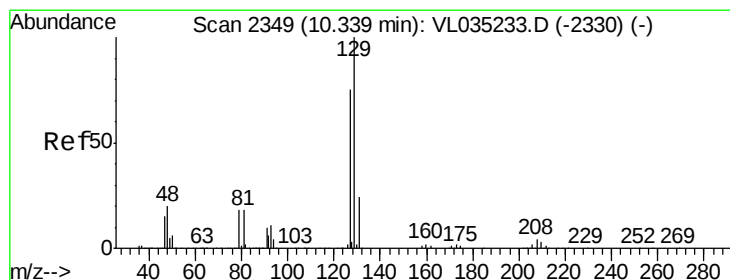
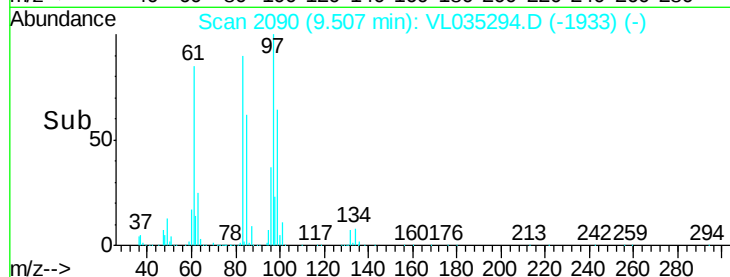
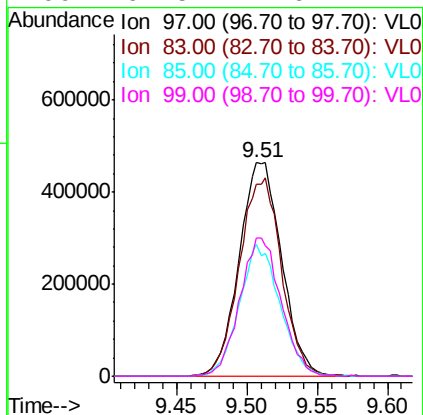
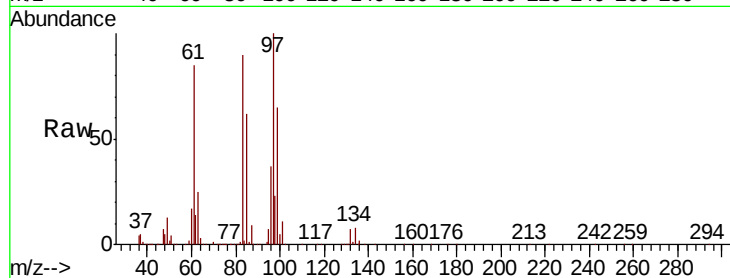




#47
 1,1,2-Trichloroethane
 Concen: 10.117 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

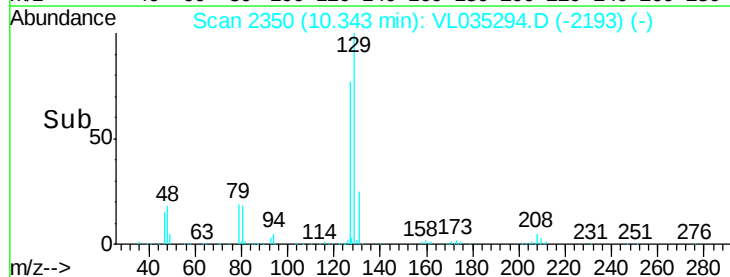
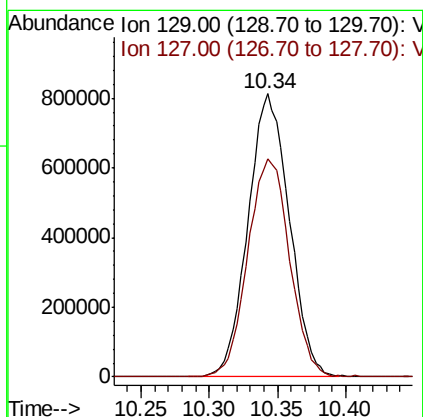
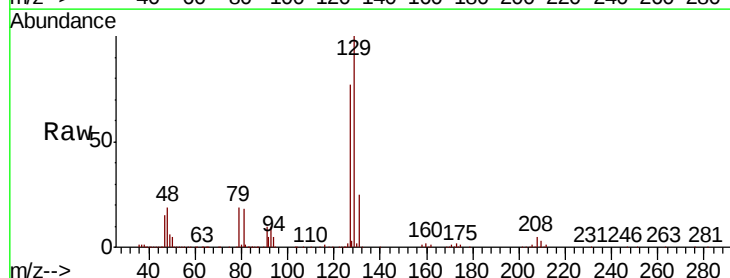
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

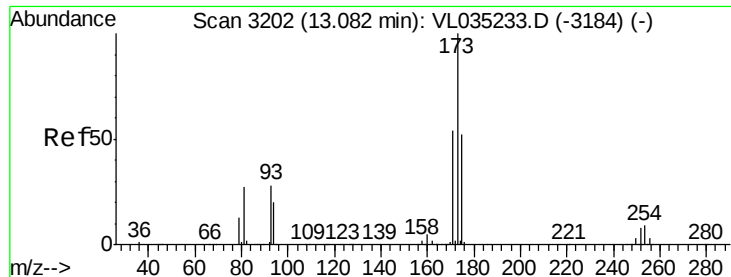
Tot Ion: 97 Resp: 978899
 Ion Ratio Lower Upper
 97 100
 83 89.9 69.0 103.4
 85 61.8 47.8 71.8
 99 64.5 47.6 71.4



#48
 Dibromochloromethane
 Concen: 11.203 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. 0.00 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Tgt Ion: 129 Resp: 1707279
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.6 119.0





#49

Bromoform

Concen: 11.121 ppbv

RT: 13.09 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

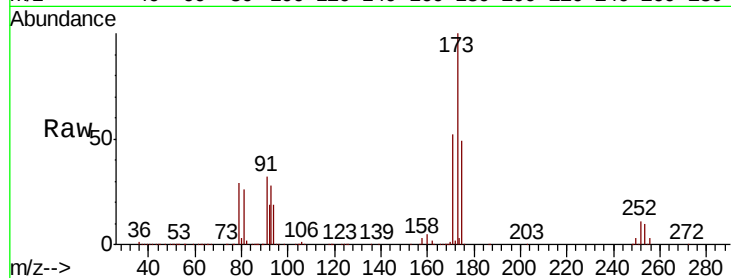
Tot Ion:173 Resp: 1523536

Ion Ratio Lower Upper

173 100

175 49.9 40.0 60.0

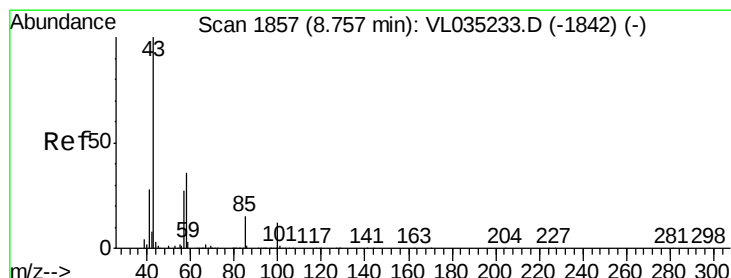
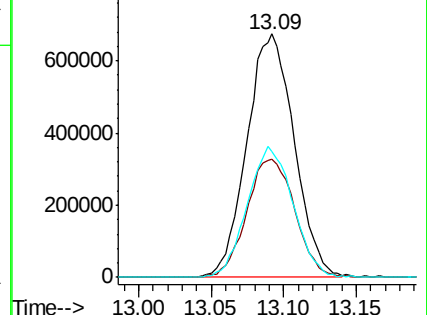
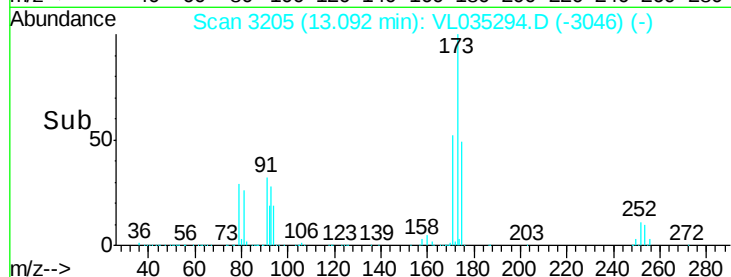
171 52.4 41.8 62.8



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: 11.121 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL035294.D

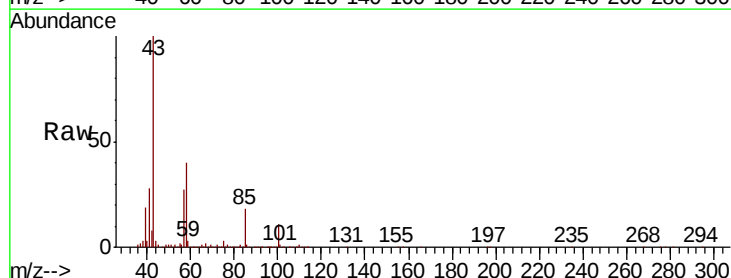
Acq: 31 Jul 2020 00:28

Tgt Ion: 43 Resp: 2422353

Ion Ratio Lower Upper

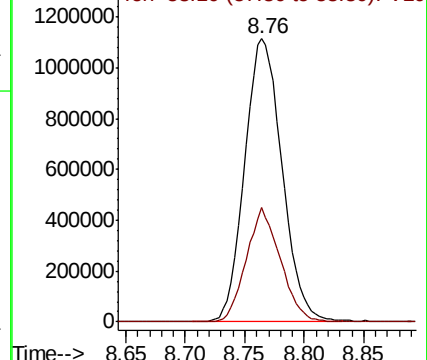
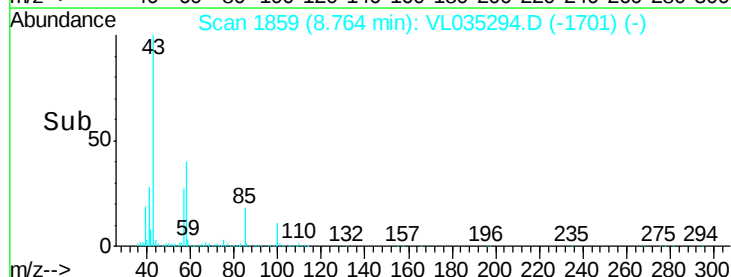
43 100

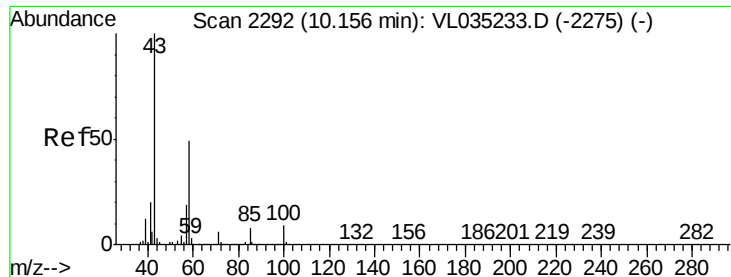
58 37.0 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.821 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

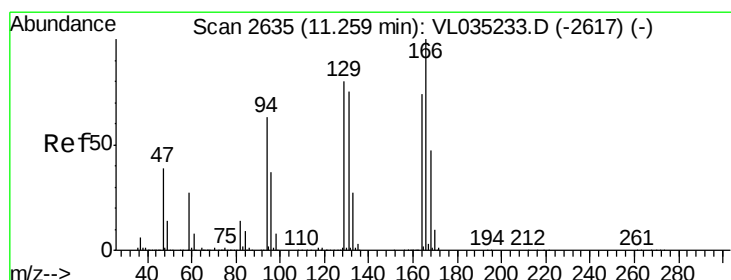
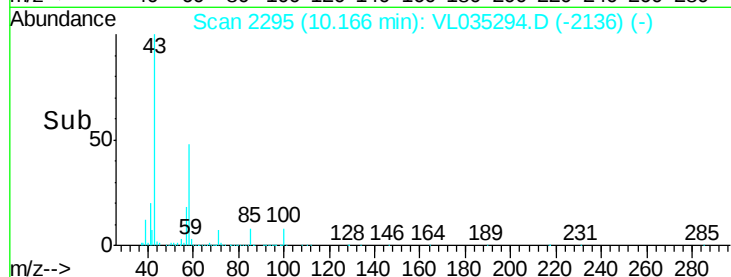
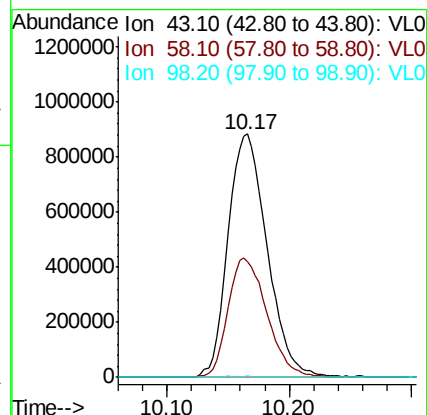
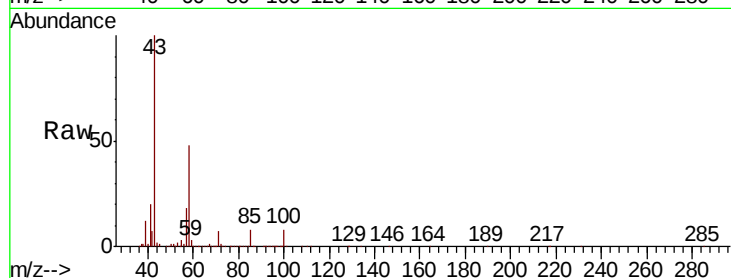
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1952587

Ion	Ratio	Lower	Upper
43	100		
58	49.5	38.8	58.2
98	0.4	0.6	0.8#



#52

Tetrachloroethene

Concen: 10.898 ppbv

RT: 11.27 min Scan# 2637

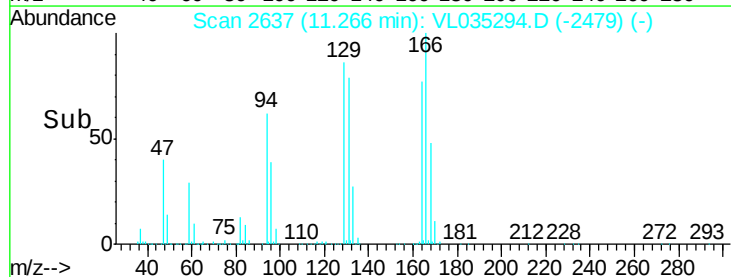
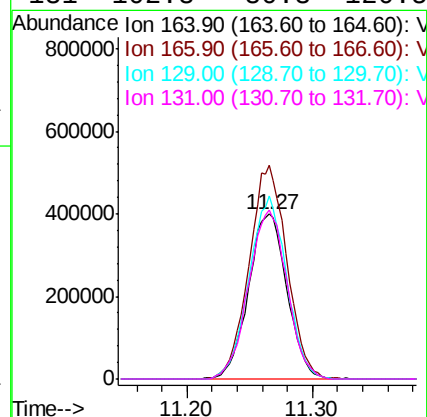
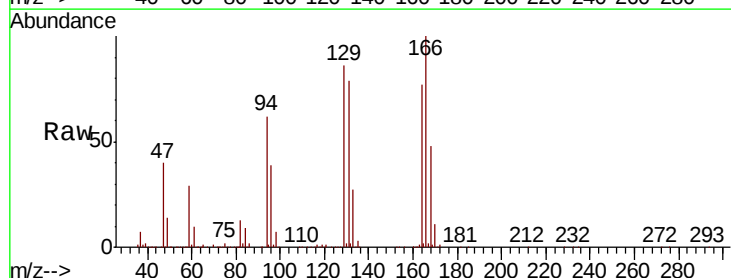
Delta R.T. 0.01 min

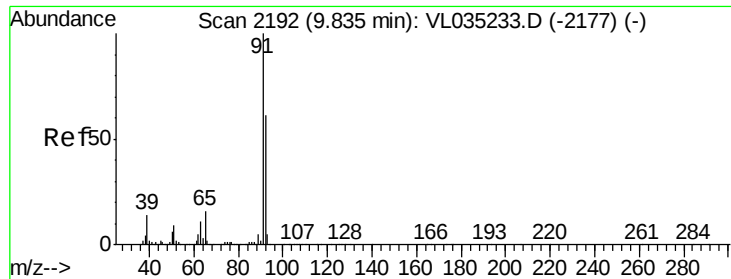
Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Tgt Ion: 164 Resp: 853667

Ion	Ratio	Lower	Upper
164	100		
166	129.5	107.5	161.3
129	110.8	86.0	129.0
131	102.8	80.3	120.5





#53

Toluene

Concen: 12.255 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

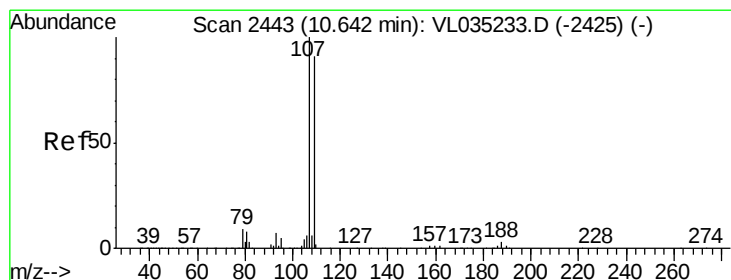
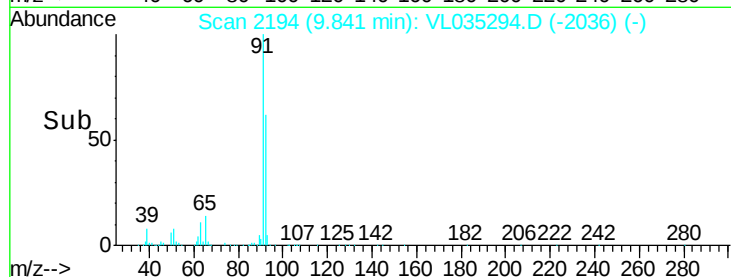
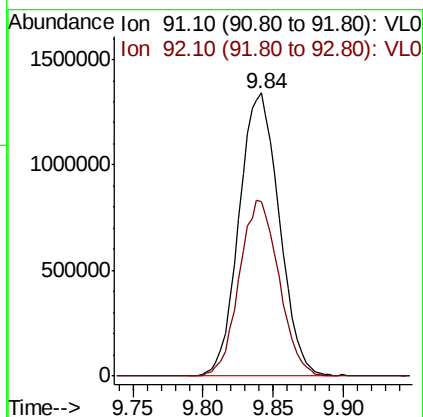
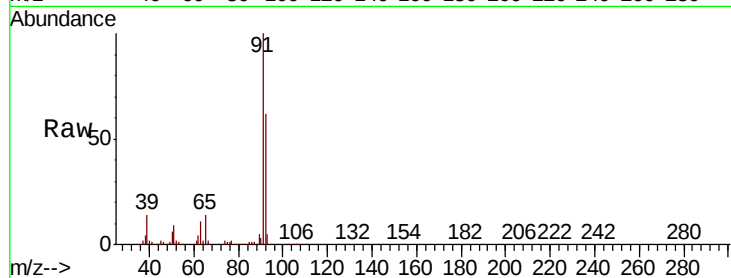
VSTDCCC010

Tot Ion: 91 Resp: 2674076

Ion Ratio Lower Upper

91 100

92 61.5 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.792 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. 0.01 min

Lab File: VL035294.D

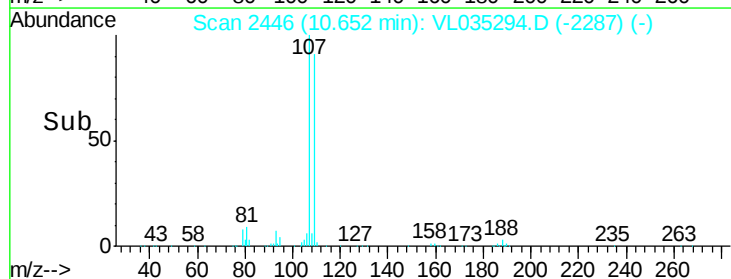
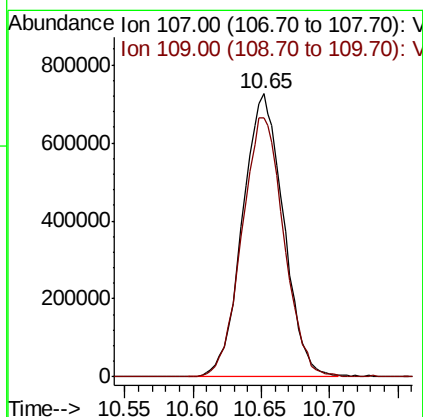
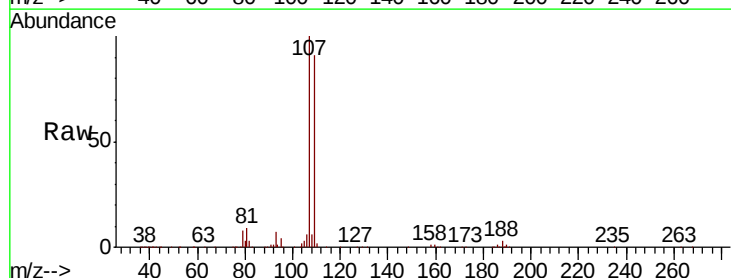
Acq: 31 Jul 2020 00:28

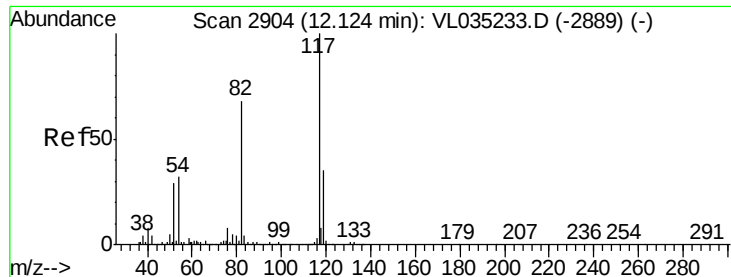
Tgt Ion: 107 Resp: 1509823

Ion Ratio Lower Upper

107 100

109 91.4 73.0 109.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

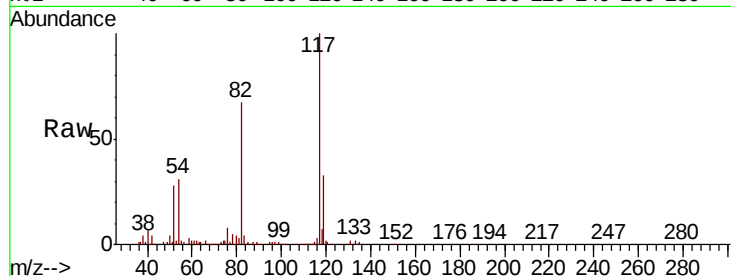
Tot Ion:117 Resp: 2979825

Ion Ratio Lower Upper

117 100

82 62.8 52.4 78.6

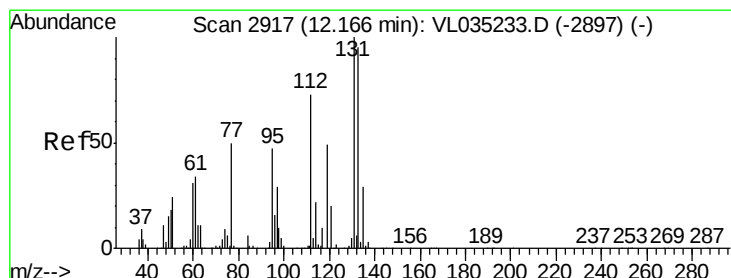
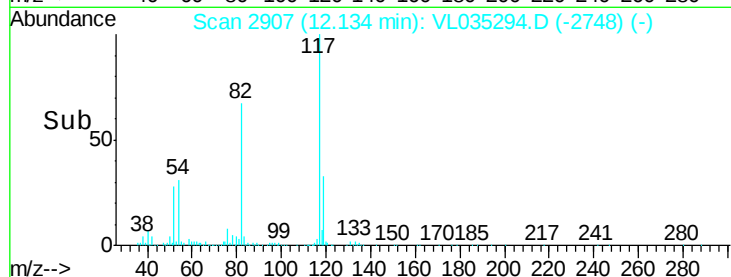
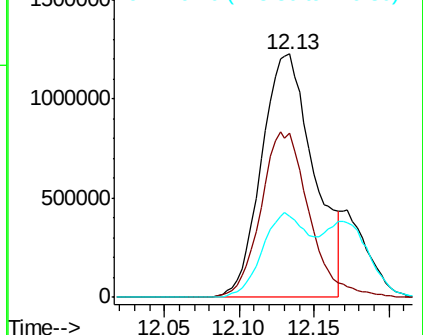
119 29.9 24.6 36.8



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: 9.695 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

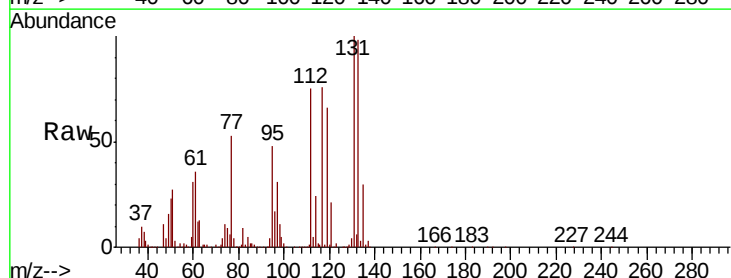
Tgt Ion:131 Resp: 1328300

Ion Ratio Lower Upper

131 100

133 95.1 76.1 114.1

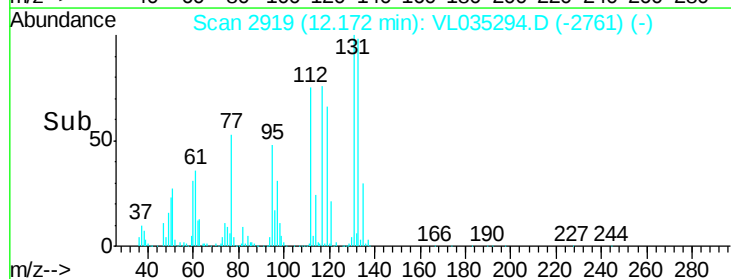
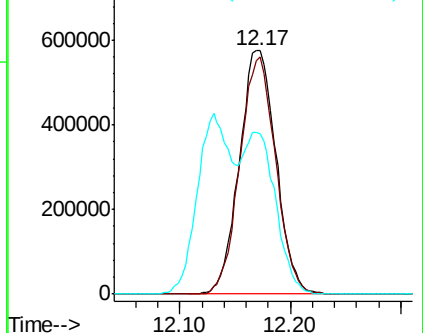
119 67.5 44.3 66.5#

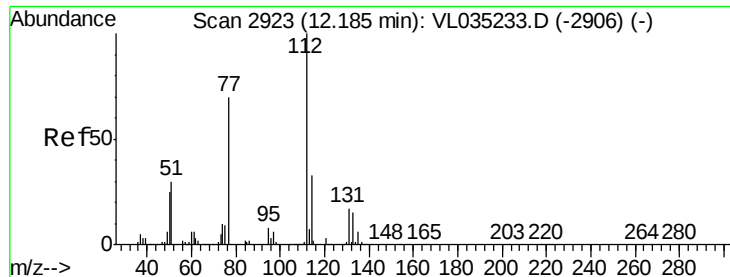


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.659 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

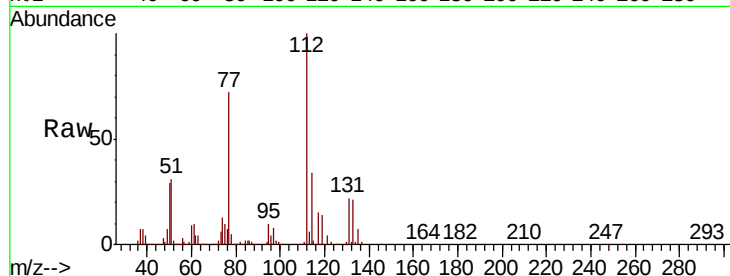
Tot Ion:112 Resp: 2165617

Ion Ratio Lower Upper

112 100

77 71.6 57.3 85.9

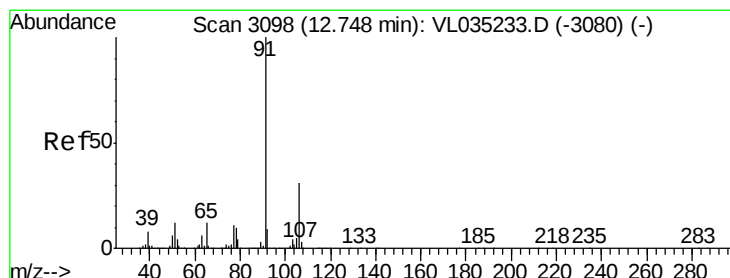
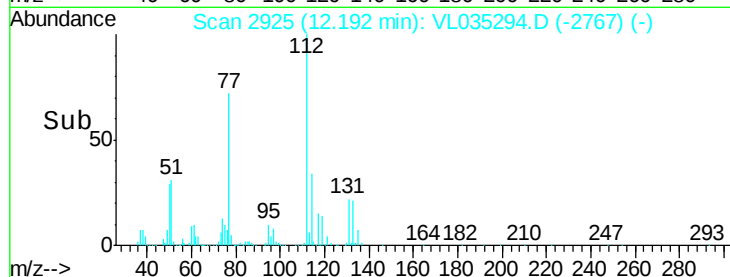
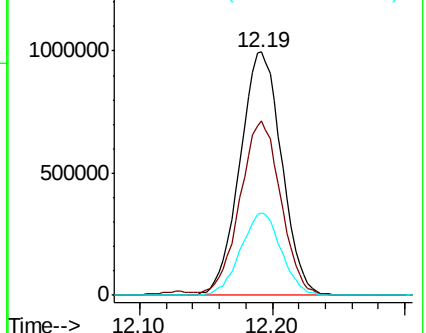
114 33.7 29.3 35.8



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: 11.746 ppbv

RT: 12.75 min Scan# 3100

Delta R.T. 0.01 min

Lab File: VL035294.D

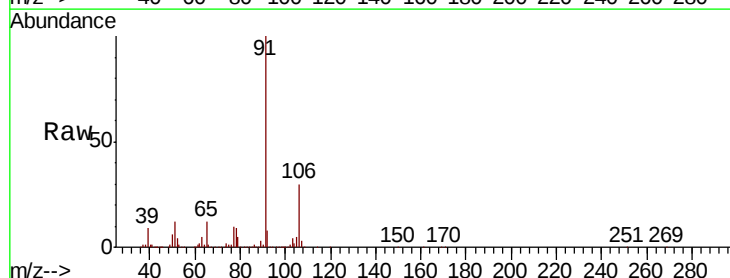
Acq: 31 Jul 2020 00:28

Tgt Ion: 91 Resp: 3706899

Ion Ratio Lower Upper

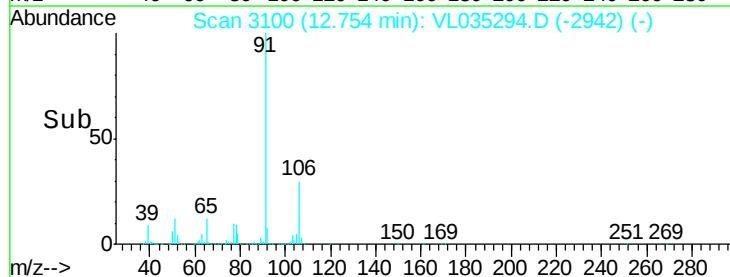
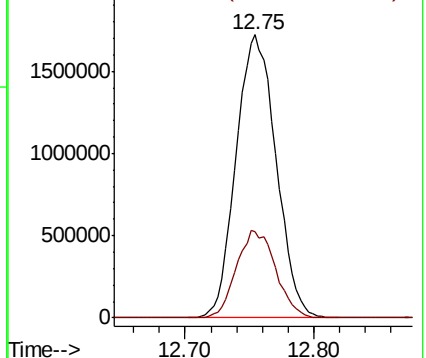
91 100

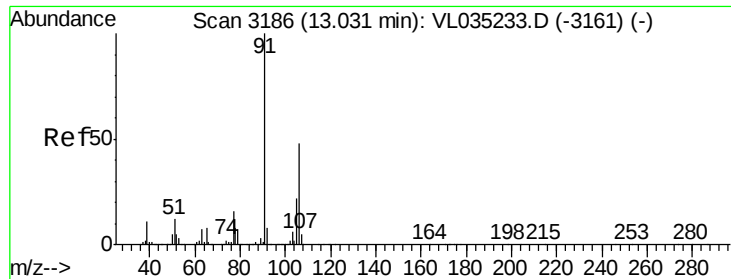
106 30.5 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

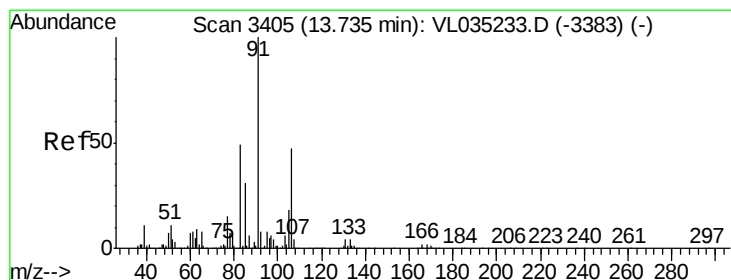
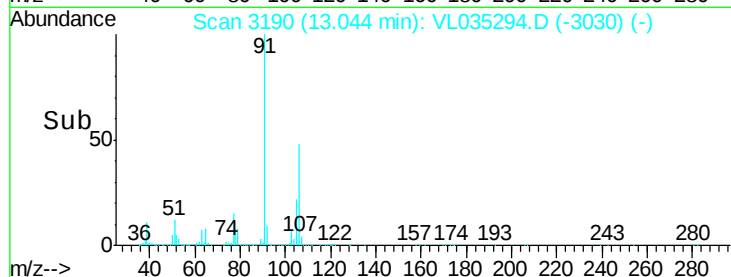
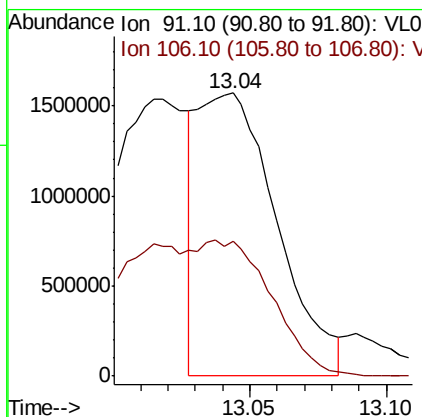
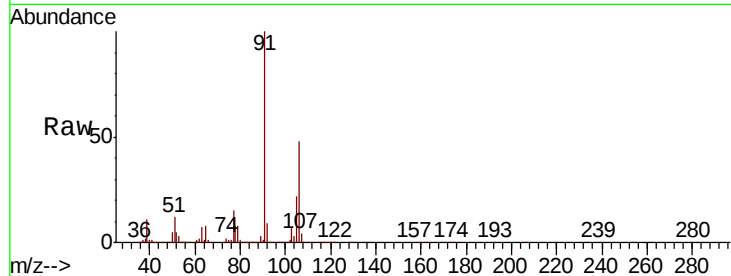




#59
m/p-Xylene
Concen: 10.717 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. 0.01 min
Lab File: VL035294.D
Acq: 31 Jul 2020 00:28

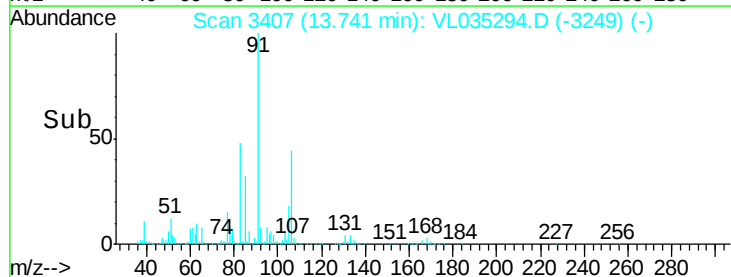
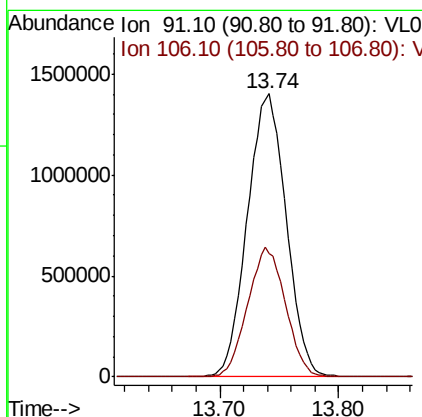
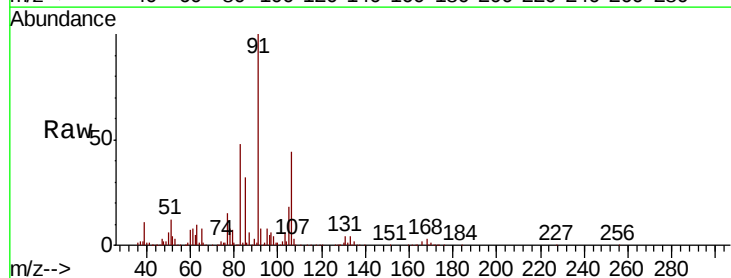
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

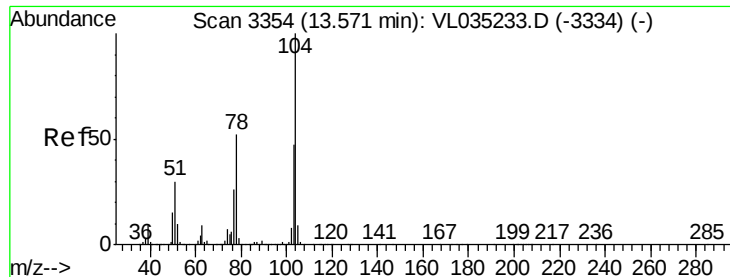
Tot Ion: 91 Resp: 3148726
Ion Ratio Lower Upper
91 100
106 91.9 37.2 55.8#



#60
o-Xylene
Concen: 10.788 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.01 min
Lab File: VL035294.D
Acq: 31 Jul 2020 00:28

Tgt Ion: 91 Resp: 3162534
Ion Ratio Lower Upper
91 100
106 44.6 22.4 67.0





#61

Stvrene

Concen: 12.342 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

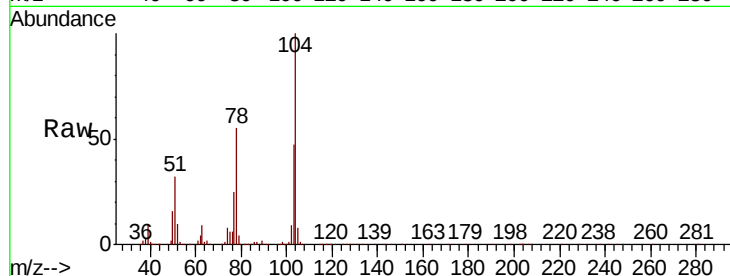
Tot Ion:104 Resp: 2196035

Ion Ratio Lower Upper

104 100

78 54.4 43.3 64.9

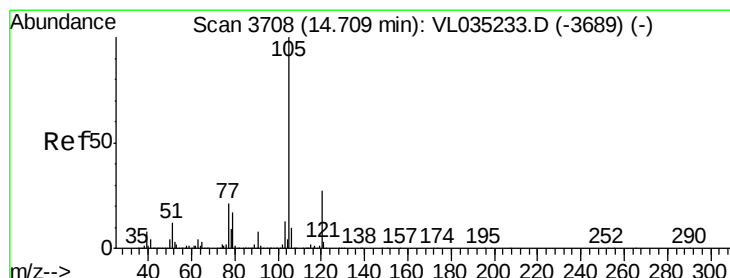
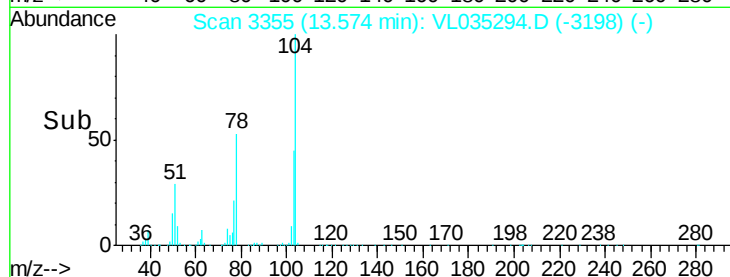
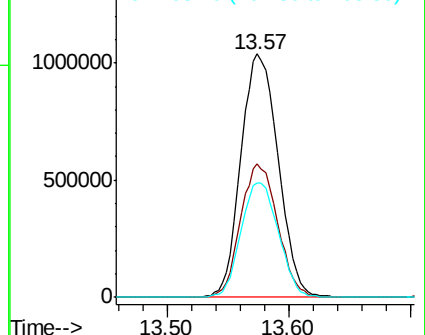
103 47.2 38.2 57.2



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: 10.706 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. 0.01 min

Lab File: VL035294.D

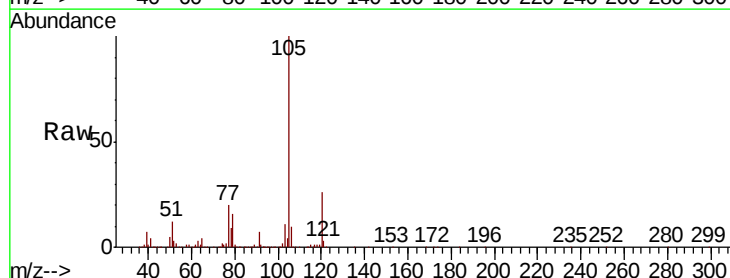
Acq: 31 Jul 2020 00:28

Tgt Ion:105 Resp: 4671130

Ion Ratio Lower Upper

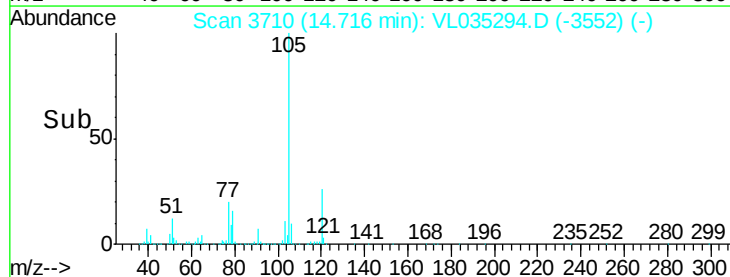
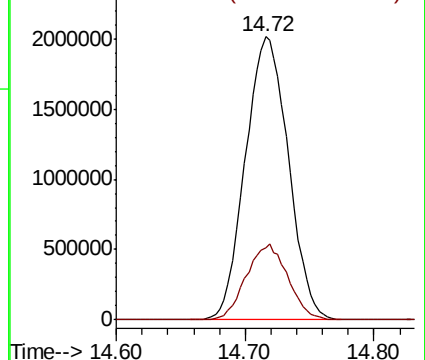
105 100

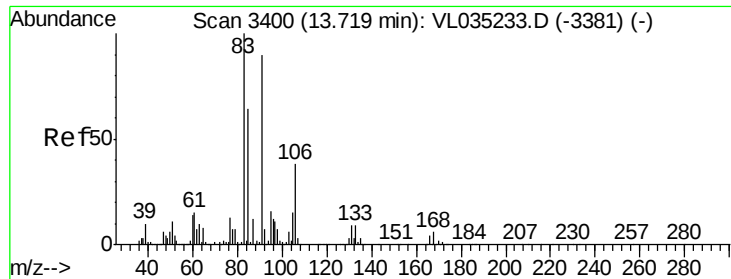
120 25.9 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

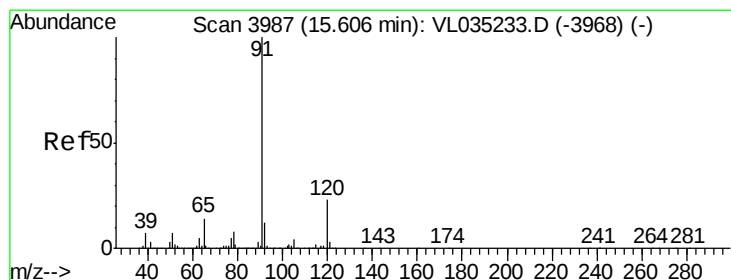
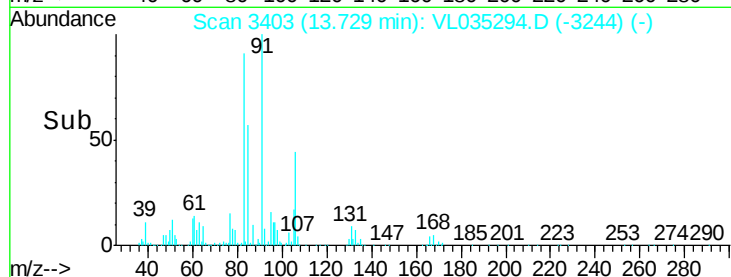
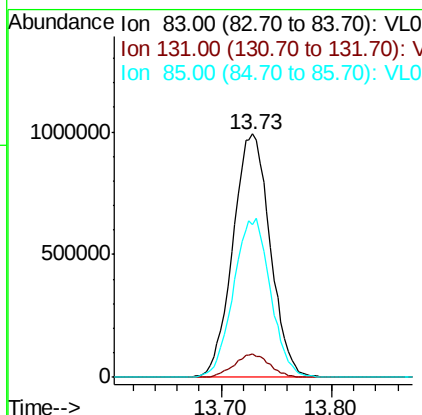
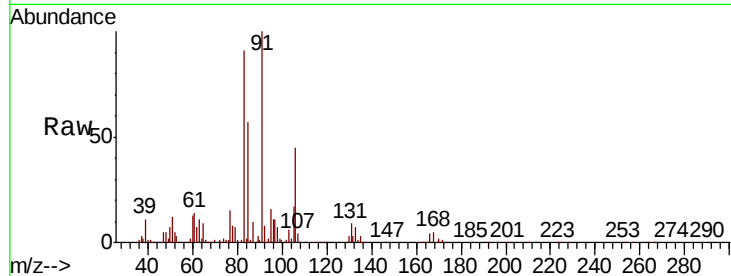




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.218 ppbv
 RT: 13.73 min Scan# 3403
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

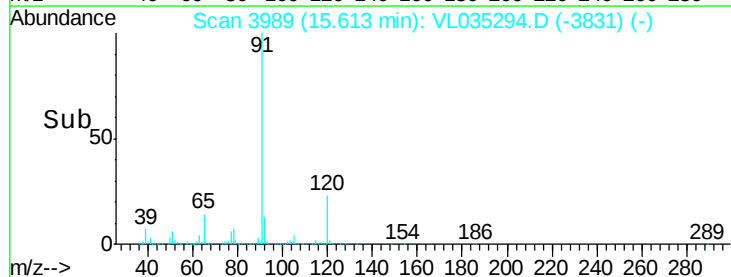
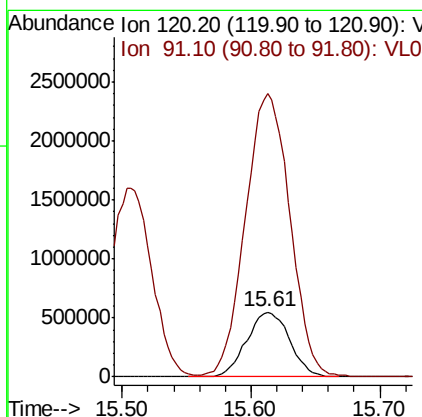
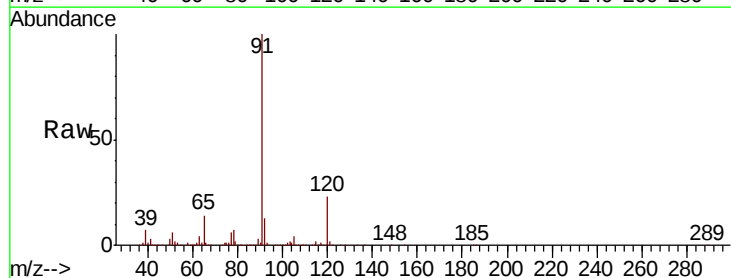
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

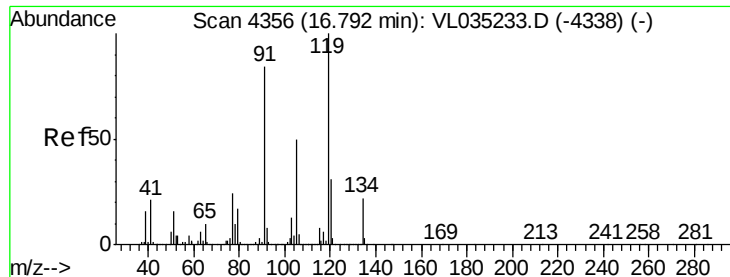
Tot Ion: 83 Resp: 2325053
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.6 13.8
 85 64.8 32.7 98.1



#64
 n-propylbenzene
 Concen: 11.005 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Tgt Ion:120 Resp: 1276671
 Ion Ratio Lower Upper
 120 100
 91 453.1 367.5 551.3





#65

tert-Butylbenzene

Concen: 10.619 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

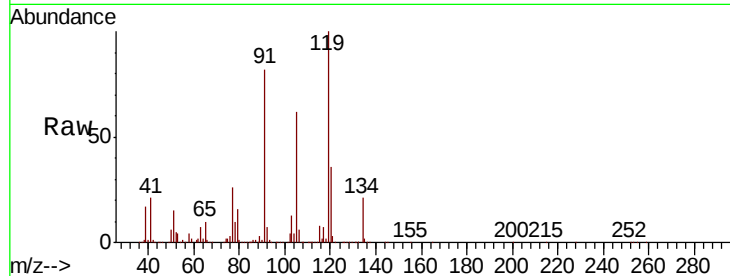
Tot Ion:119 Resp: 4197171

Ion Ratio Lower Upper

119 100

91 85.4 68.0 102.0

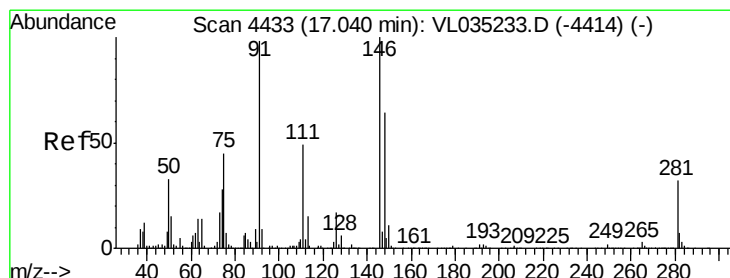
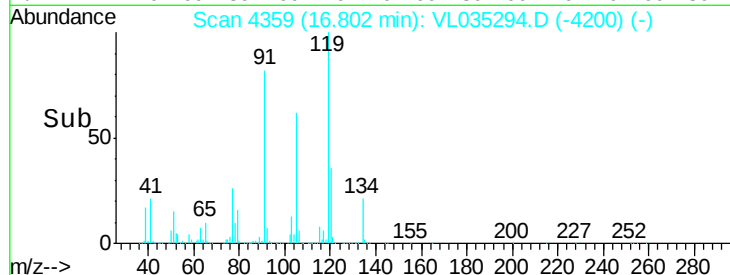
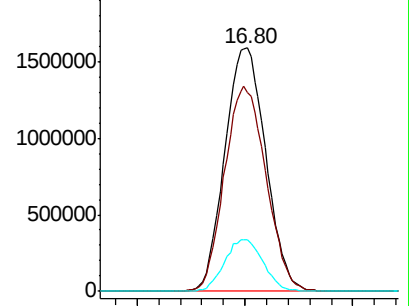
134 20.0 16.3 24.5



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: 10.646 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

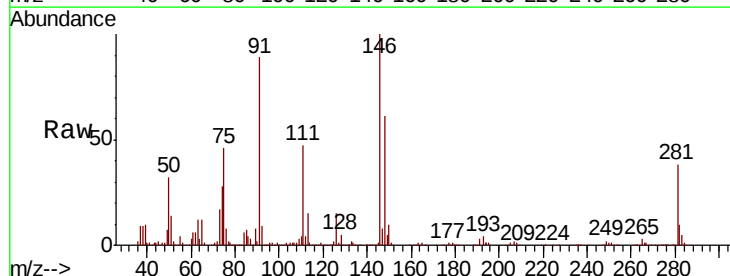
Tgt Ion: 91 Resp: 1648096

Ion Ratio Lower Upper

91 100

126 17.0 14.1 21.1

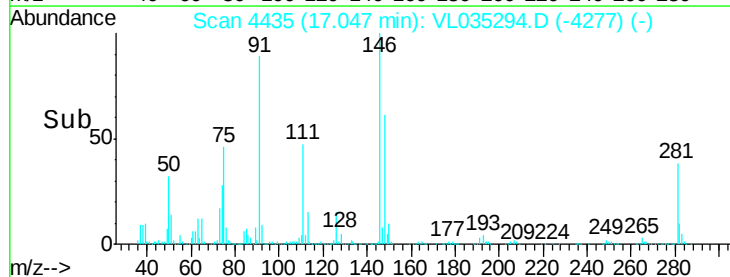
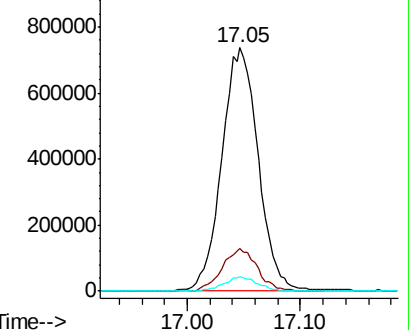
128 5.3 4.4 6.6

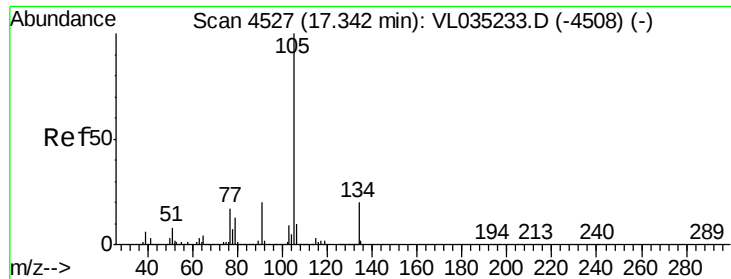


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

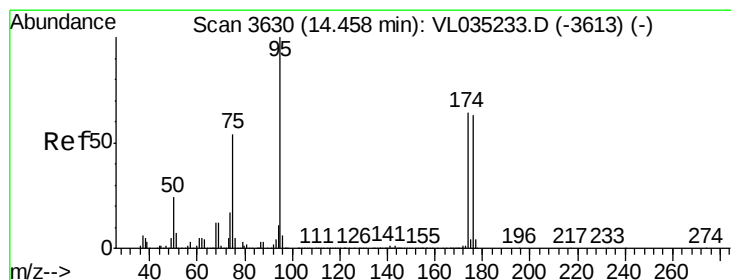
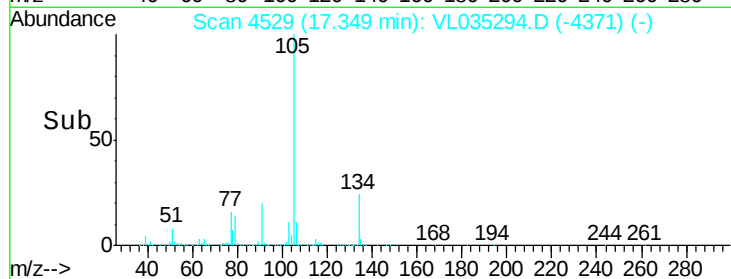
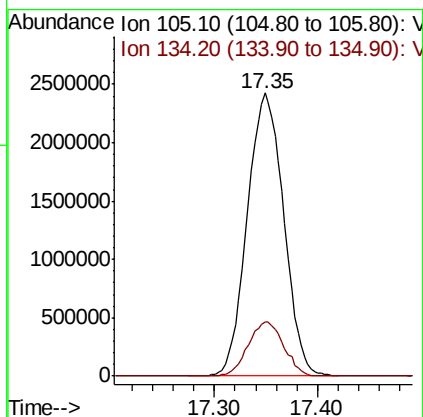
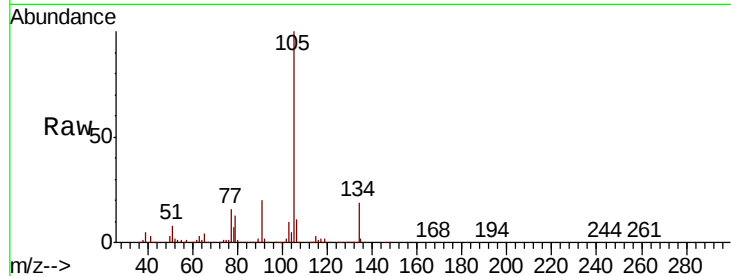




#67
 sec-Butylbenzene
 Concen: 10.293 ppbv
 RT: 17.35 min Scan# 4529
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

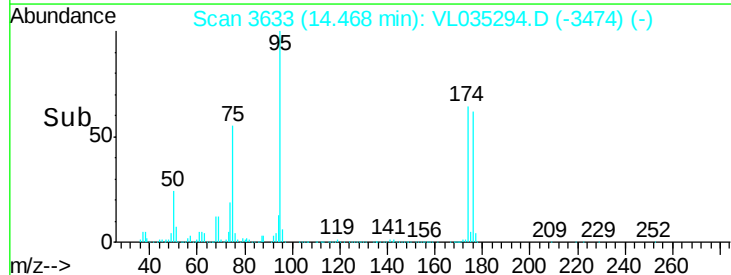
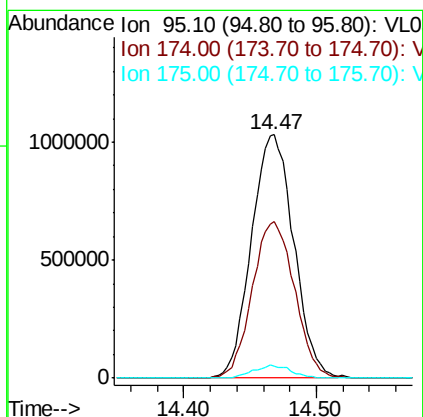
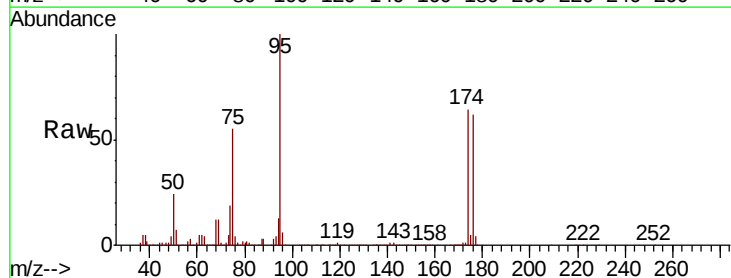
Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

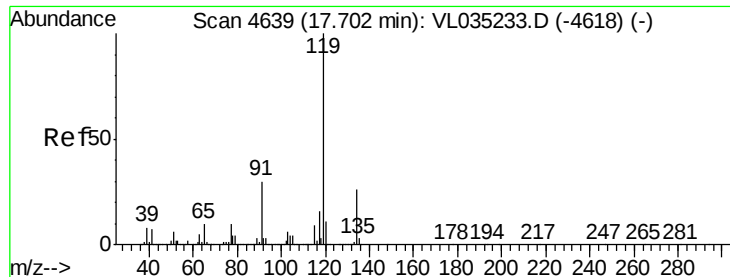
Tot Ion:105 Resp: 5944676
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.0 22.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.612 ppbv
 RT: 14.47 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Tgt Ion: 95 Resp: 2288620
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.7 79.1
 175 4.7 3.9 5.9





#69

p-Isopropyltoluene

Concen: 10.609 ppbv

RT: 17.71 min Scan# 4642

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

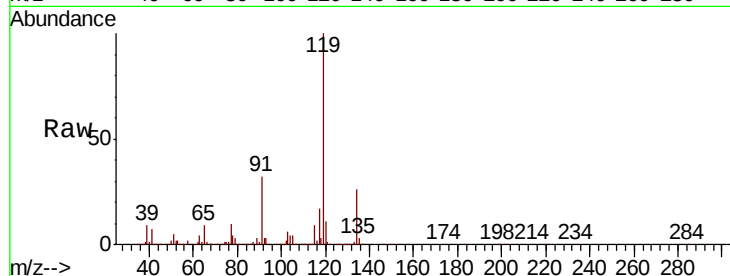
Tot Ion:119 Resp: 4997999

Ion Ratio Lower Upper

119 100

134 26.0 20.8 31.2

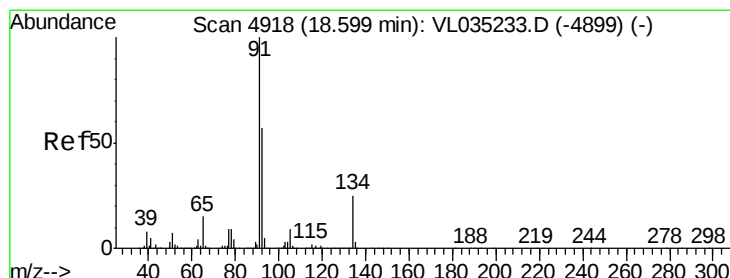
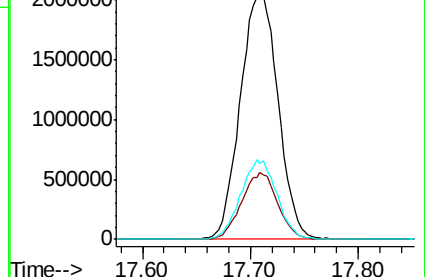
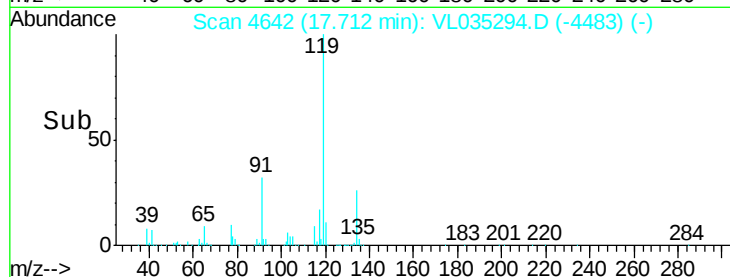
91 30.8 24.7 37.1



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: 10.300 ppbv

RT: 18.61 min Scan# 4920

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

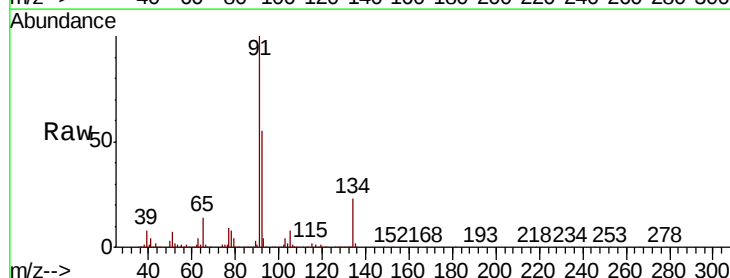
Tgt Ion: 91 Resp: 5249762

Ion Ratio Lower Upper

91 100

92 54.9 44.9 67.3

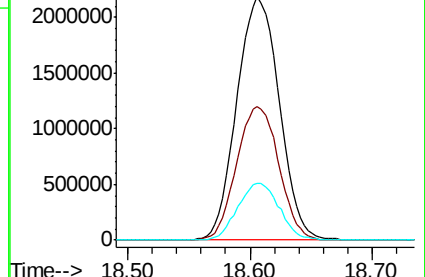
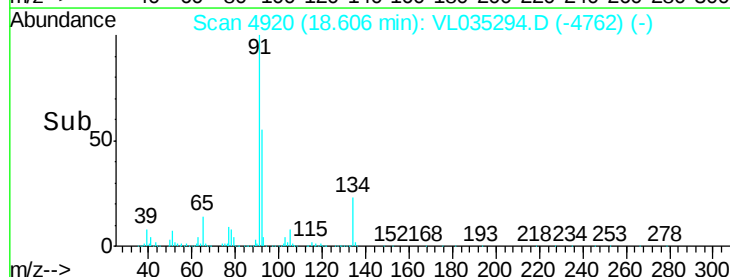
134 22.9 18.6 28.0

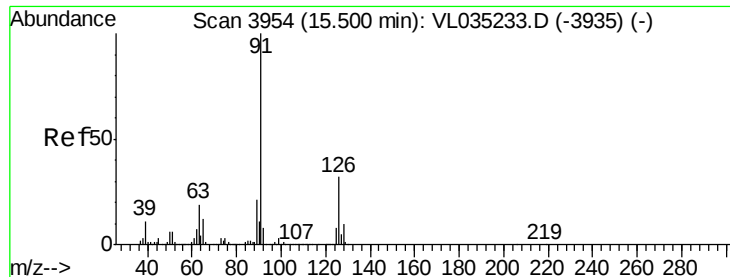


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 11.094 ppbv

RT: 15.50 min Scan# 3955

Delta R.T. 0.00 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

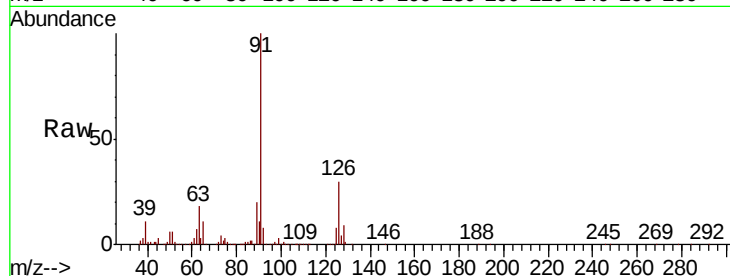
VSTDCCC010

Tot Ion: 91 Resp: 3649832

Ion Ratio Lower Upper

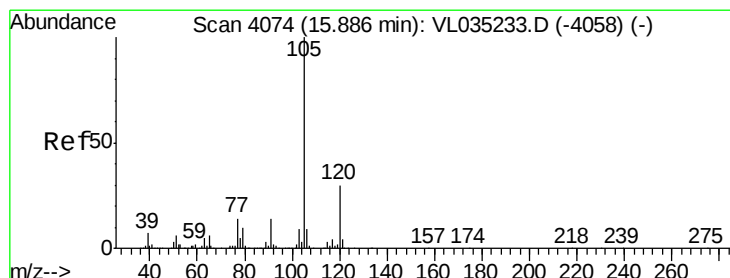
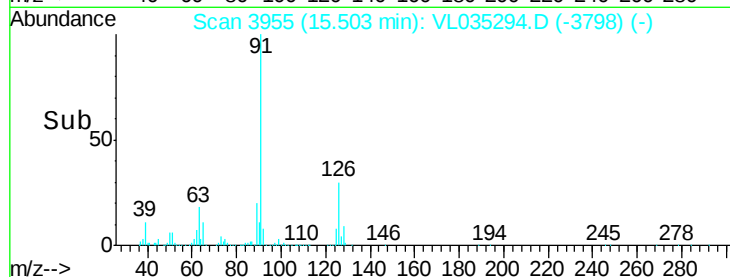
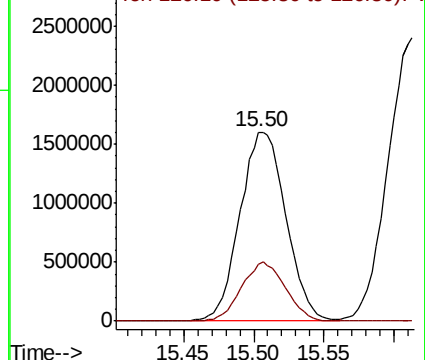
91 100

126 30.0 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.476 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Tgt Ion:105 Resp: 3786295

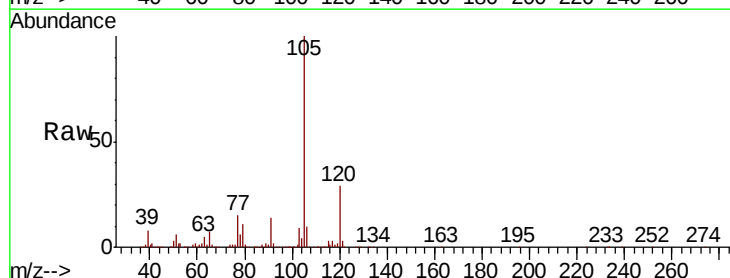
Ion Ratio Lower Upper

105 100

120 30.1 23.6 35.4

91 13.5 11.0 16.6

77 15.0 11.7 17.5

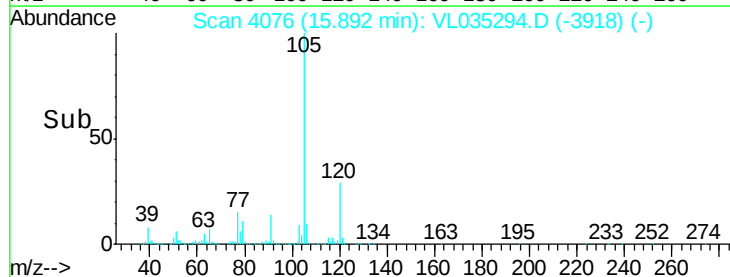
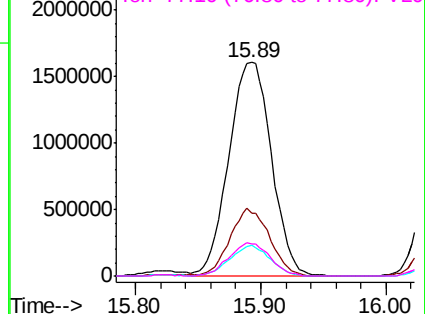


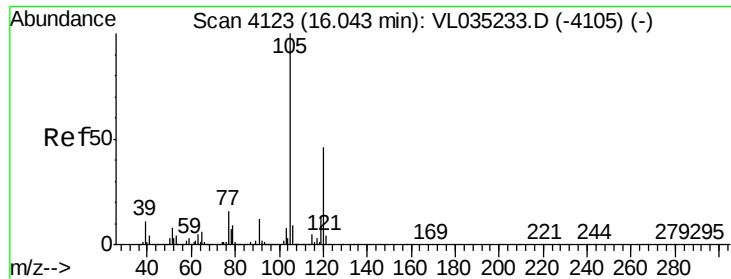
Abundance Ion 105.10 (104.80 to 105.80): V

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

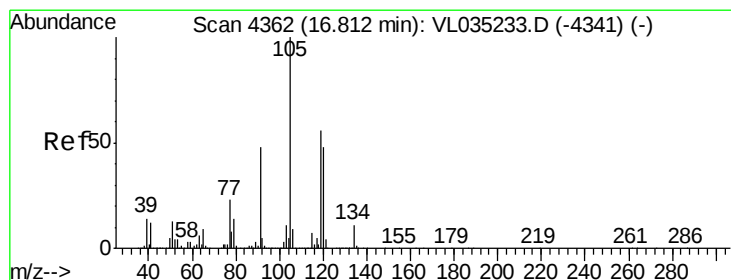
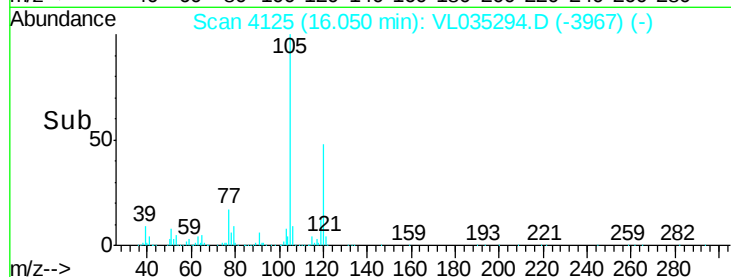
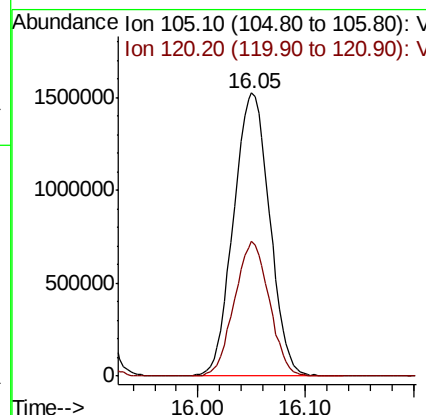
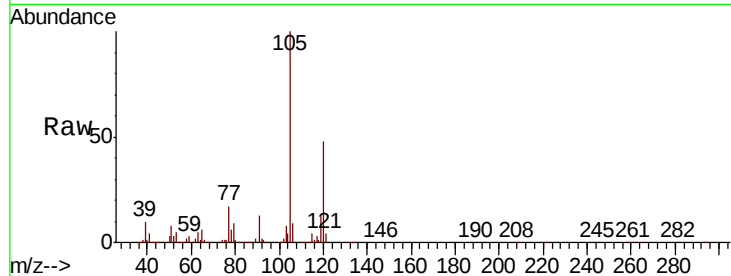




#73
 1,3,5-Trimethylbenzene
 Concen: 11.024 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

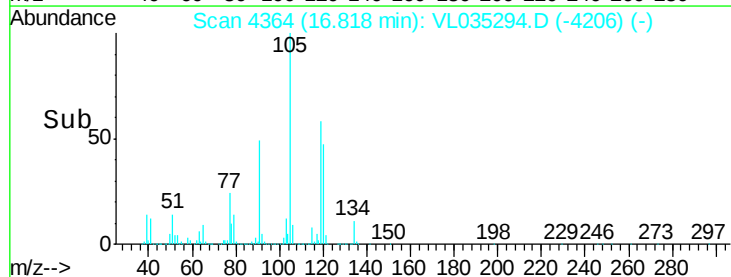
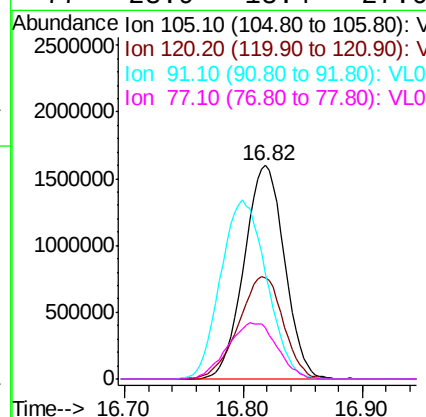
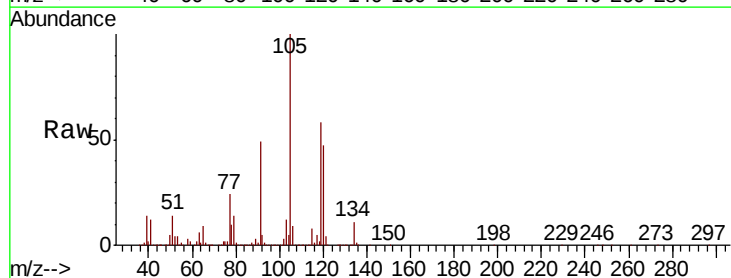
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

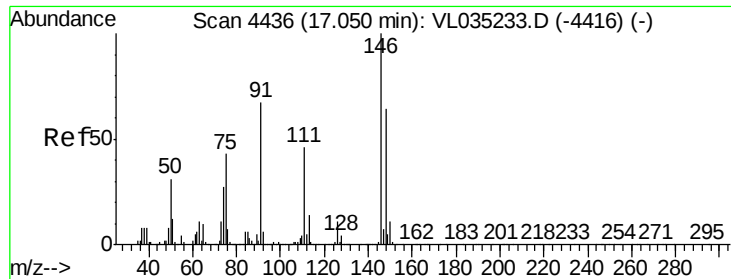
Tot Ion:105 Resp: 3547283
 Ion Ratio Lower Upper
 105 100
 120 47.7 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 10.034 ppbv
 RT: 16.82 min Scan# 4364
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Tgt Ion:105 Resp: 3758546
 Ion Ratio Lower Upper
 105 100
 120 47.1 38.8 58.2
 91 49.2 38.9 58.3
 77 23.9 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 9.152 ppbv

RT: 17.06 min Scan# 4438

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

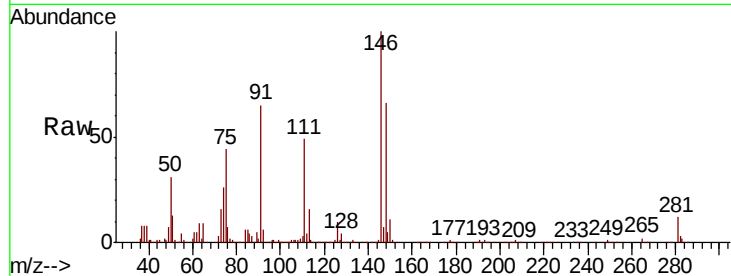
Tot Ion:146 Resp: 2213439

Ion Ratio Lower Upper

146 100

111 48.3 24.4 73.4

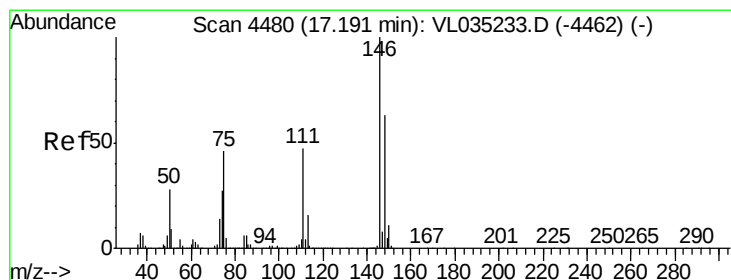
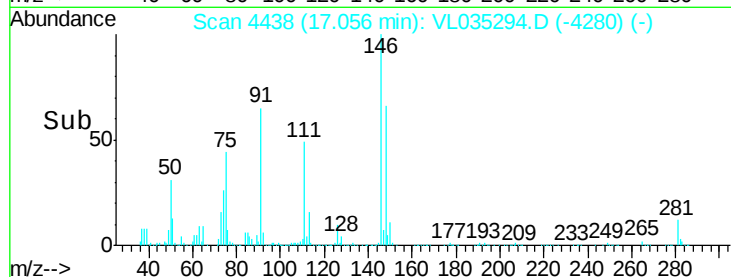
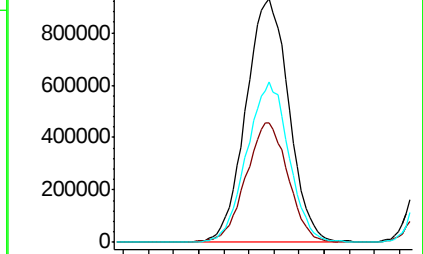
148 64.5 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.012 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

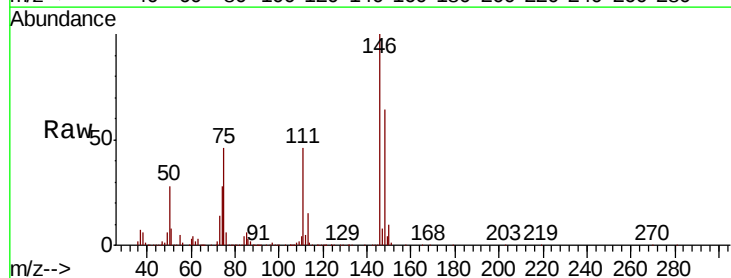
Tgt Ion:146 Resp: 2190246

Ion Ratio Lower Upper

146 100

111 46.8 23.4 70.2

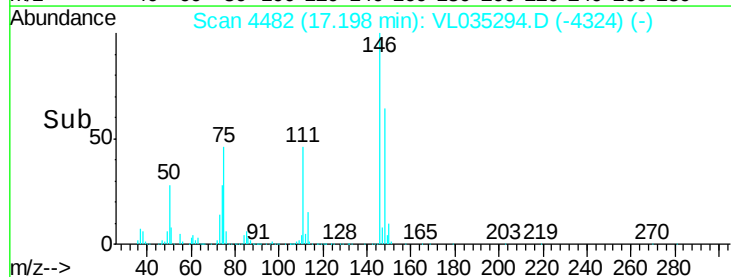
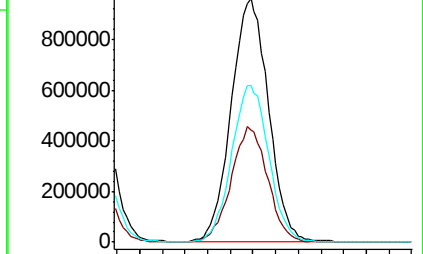
148 64.6 32.2 96.6

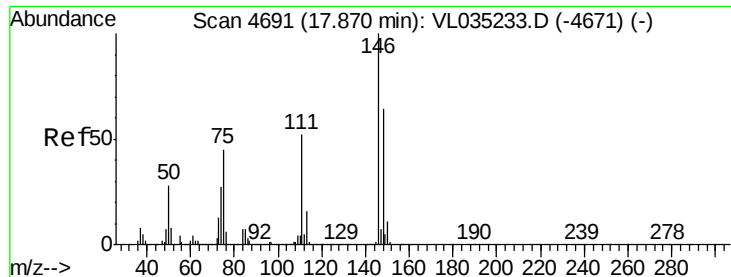


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

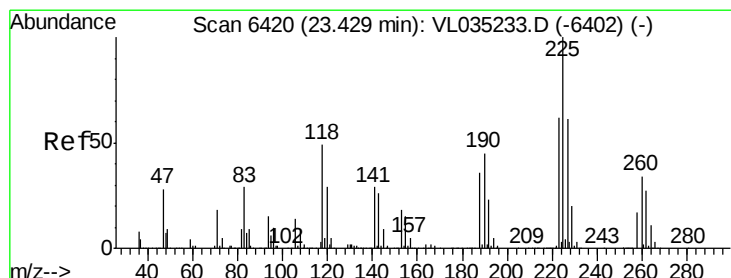
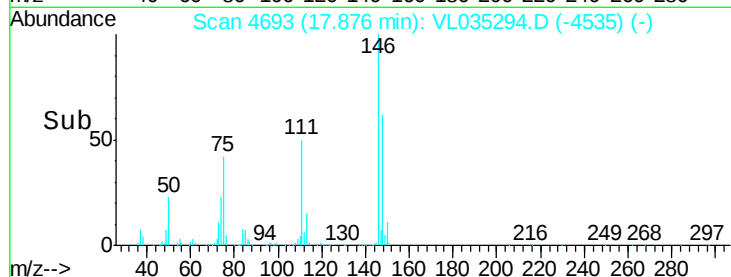
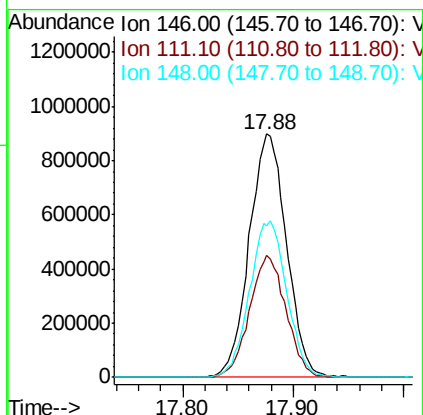
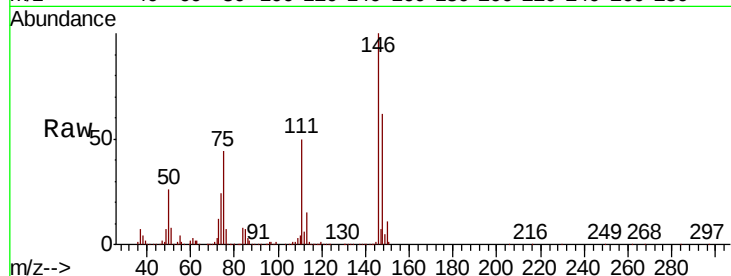




#77
 1,2-Dichlorobenzene
 Concen: 9.706 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

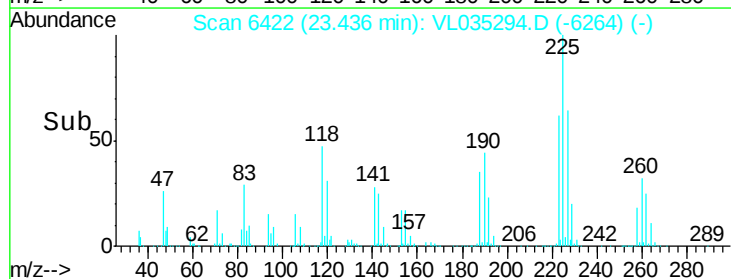
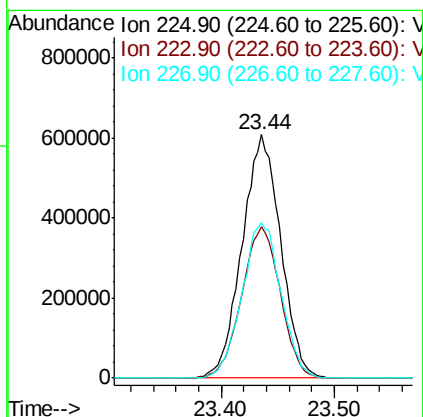
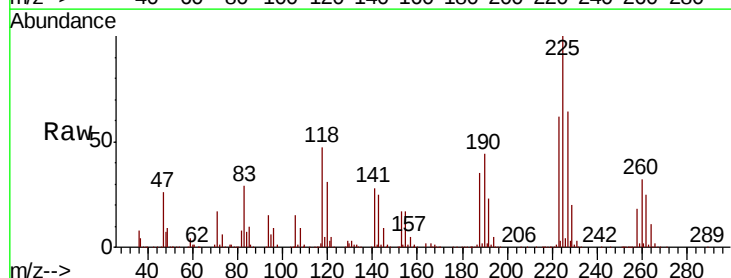
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

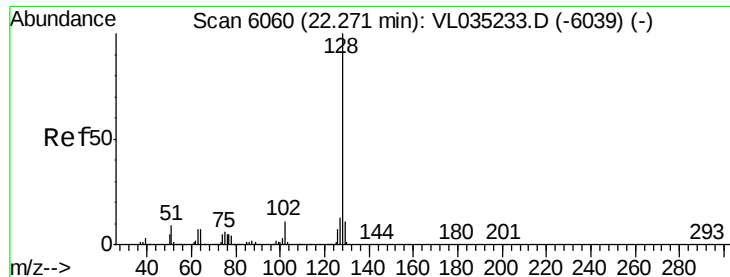
Tot Ion:146 Resp: 2102651
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.6 73.8
 148 64.3 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.135 ppbv
 RT: 23.44 min Scan# 6422
 Delta R.T. 0.01 min
 Lab File: VL035294.D
 Acq: 31 Jul 2020 00:28

Tgt Ion:225 Resp: 1442452
 Ion Ratio Lower Upper
 225 100
 223 62.4 51.3 76.9
 227 64.6 51.4 77.2





#79

Naphthalene

Concen: 9.981 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

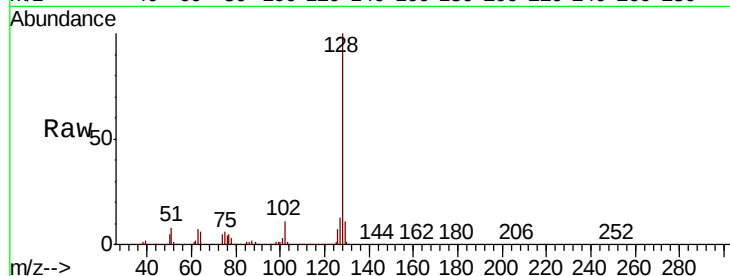
Tot Ion:128 Resp: 2972954

Ion Ratio Lower Upper

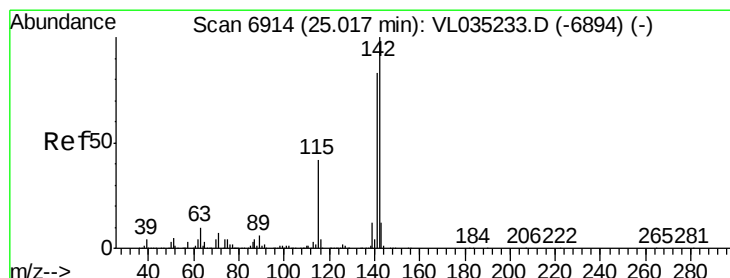
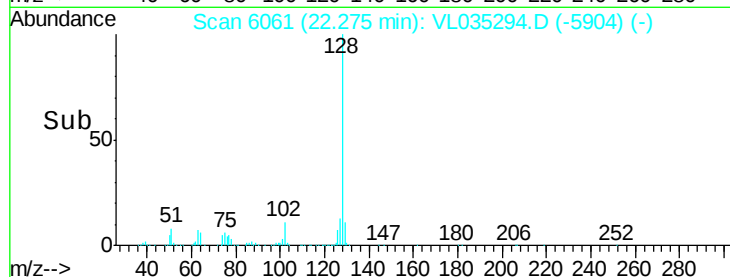
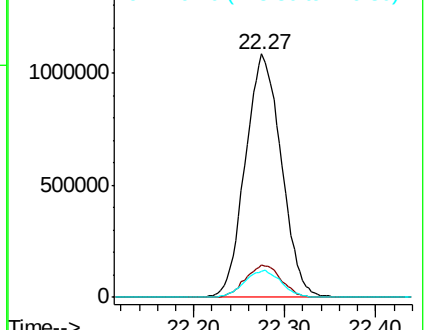
128 100

127 13.1 10.4 15.6

129 10.8 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: 8.462 ppbv

RT: 25.02 min Scan# 6916

Delta R.T. 0.01 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

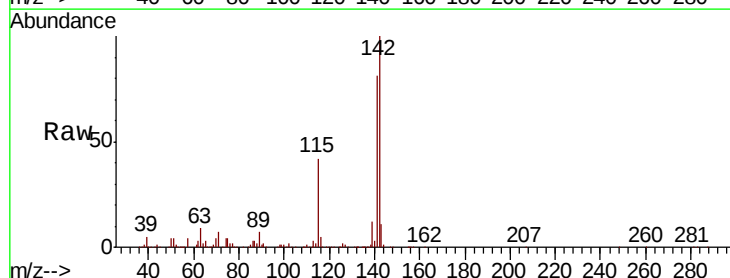
Tgt Ion:142 Resp: 815713

Ion Ratio Lower Upper

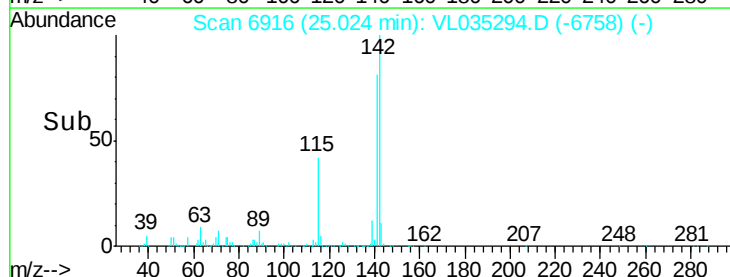
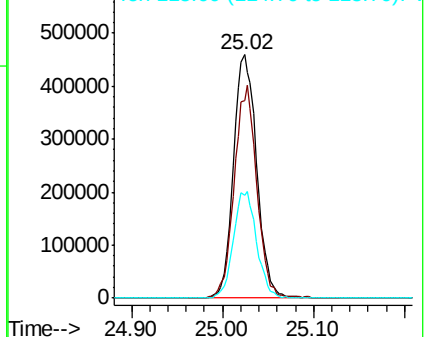
142 100

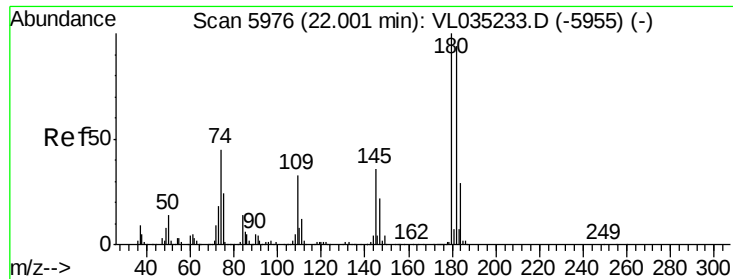
141 84.6 68.6 103.0

115 43.7 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: 9.394 ppbv

RT: 22.00 min Scan# 5977

Delta R.T. 0.00 min

Lab File: VL035294.D

Acq: 31 Jul 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

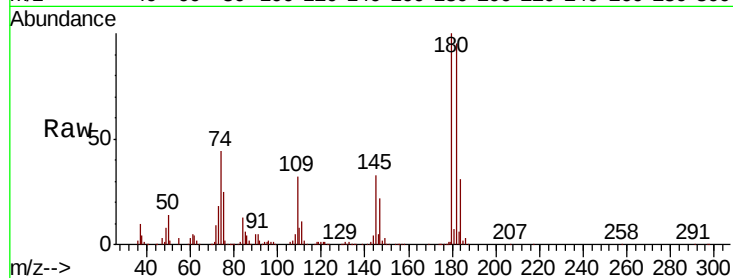
Tot Ion:180 Resp: 1703165

Ion Ratio Lower Upper

180 100

182 96.3 76.7 115.1

184 31.2 24.7 37.1



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

