

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035292.D
 Acq On : 30 Jul 2020 23:12
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jul 31 05:50:22 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	1263905	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3027953	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	3096268	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2386285	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1482123	9.818	ppbv	98
3) Chlorodifluoromethane	2.95	51	1290701	9.225	ppbv	100
4) Chloromethane	3.11	50	724741	9.205	ppbv	98
5) Vinyl Chloride	3.22	62	738849	9.009	ppbv	98
6) Bromomethane	3.44	94	469101	9.260	ppbv	96
7) Chloroethane	3.53	64	281266	9.502	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1819577	9.500	ppbv	99
9) Propene	2.97	41	470090	9.639	ppbv	98
10) Heptane	8.14	43	1438108	10.894	ppbv	100
11) Trichlorofluoromethane	3.93	101	1975566	9.730	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1362446	9.462	ppbv	100
13) Ethanol	3.58	45	118259	5.958	ppbv	95
14) Bromoethene	3.71	108	587115	9.991	ppbv	99
15) Acetone	3.83	43	1471446	8.728	ppbv	100
16) 1,3-Butadiene	3.30	39	649648	9.879	ppbv	100
17) tert-Butyl alcohol	4.27	59	1561563	9.597	ppbv	99
18) 1,1-Dichloroethene	4.27	96	640227	10.013	ppbv	93
19) Isopropyl Alcohol	3.95	45	1026262	9.230	ppbv	# 99
20) Methylene Chloride	4.33	84	559264	7.288	ppbv	96
21) Allyl Chloride	4.40	41	978944	10.196	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	622160	10.127	ppbv	95
23) Vinyl Acetate	5.07	43	1730711	10.217	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1504181	9.521	ppbv	99
25) Ethyl Acetate	5.68	43	2541311	9.653	ppbv	99
26) Hexane	5.69	57	1156372	9.736	ppbv	99
27) Carbon Disulfide	4.54	76	1658081	10.333	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1724918	10.159	ppbv	99
29) Chloroform	5.76	83	1903591	9.556	ppbv	98
30) Cyclohexane	7.14	84	955249	11.252	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1112584	10.746	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1861720	9.131	ppbv	99
34) 2-Butanone	5.24	43	1529733	9.929	ppbv	99
35) Carbon Tetrachloride	7.03	117	1963916	9.687	ppbv	98
36) Benzene	6.91	78	2238256	10.636	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1471690	10.004	ppbv	99
38) Trichloroethene	7.86	130	959837	11.005	ppbv	95
39) 1,2-Dichloropropane	7.64	63	870419	10.367	ppbv	98
40) 1,4-Dioxane	7.85	88	355369	10.749	ppbv	91
41) Tetrahydrofuran	6.05	42	823259	10.903	ppbv	100
42) Bromodichloromethane	7.82	83	2034181	10.360	ppbv	98
43) Methyl Methacrylate	8.03	69	1027312	11.267	ppbv	99

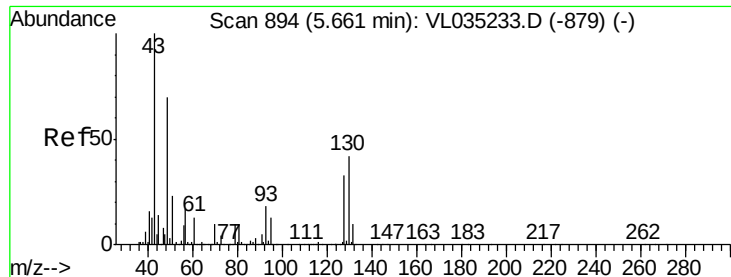
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3973203	10.716	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1154932	12.572	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1369222	12.234	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1006876	10.152	ppbv	97
48) Dibromochloromethane	10.35	129	1706750	10.927	ppbv	100
49) Bromoform	13.09	173	1573046	11.202	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2424760	10.860	ppbv	99
51) 2-Hexanone	10.16	43	1953047	11.535	ppbv #	99
52) Tetrachloroethene	11.27	164	846815	10.547	ppbv	97
53) Toluene	9.84	91	2669616	11.937	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1527397	10.651	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.17	131	1332791	9.362	ppbv	96
57) Chlorobenzene	12.19	112	2199394	9.441	ppbv	96
58) Ethyl Benzene	12.75	91	3711266	11.318	ppbv	100
59) m/p-Xylene	13.04	91	6254453m	20.488	ppbv	
60) o-Xylene	13.74	91	3190275	10.474	ppbv	99
61) Styrene	13.57	104	2171757	11.747	ppbv	100
62) Isopropylbenzene	14.72	105	4655351	10.269	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2356438	8.991	ppbv	100
64) n-propylbenzene	15.61	120	1249316	10.364	ppbv	99
65) tert-Butylbenzene	16.80	119	4238626	10.321	ppbv	100
66) Benzyl Chloride	17.04	91	1652205	10.271	ppbv	100
67) sec-Butylbenzene	17.35	105	5991581	9.984	ppbv	100
69) p-Isopropyltoluene	17.71	119	4982959	10.179	ppbv	99
70) n-Butylbenzene	18.61	91	5231349	9.878	ppbv	99
71) 2-Chlorotoluene	15.51	91	3644151	10.660	ppbv	99
72) 4-Ethyltoluene	15.89	105	3729453	10.878	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3525371	10.544	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3753209	9.643	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	2196353	8.740	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2153182	9.472	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	2091401	9.291	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	1497936	8.130	ppbv	99
79) Naphthalene	22.27	128	3209808	10.371	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	973589	9.720	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1782007	9.459	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

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ClientSampleId :

VSTDCCC010EC

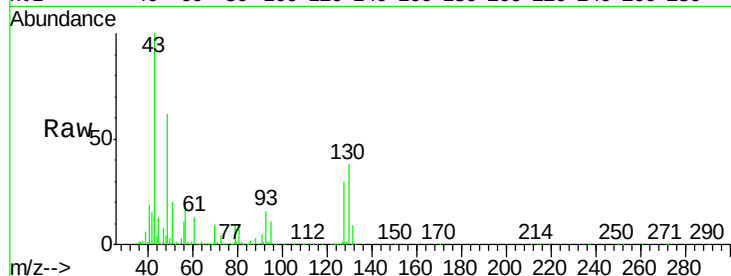
Tot Ion: 49 Resp: 1263905

Ion Ratio Lower Upper

49 100

128 48.6 24.0 72.0

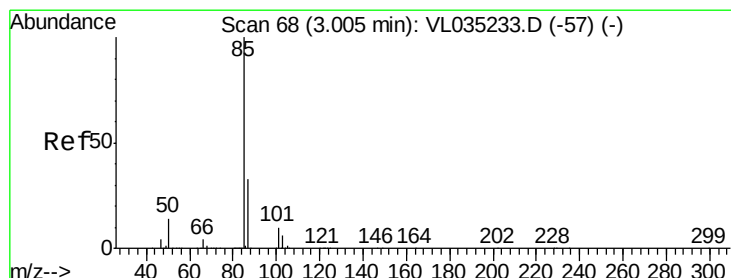
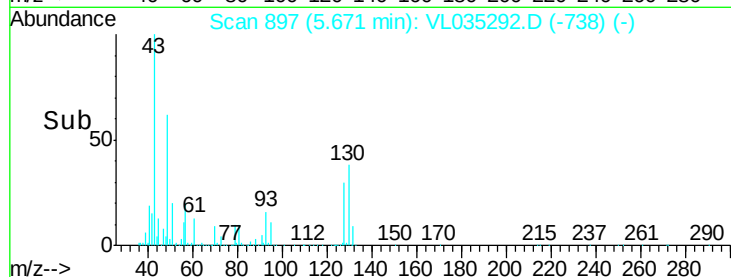
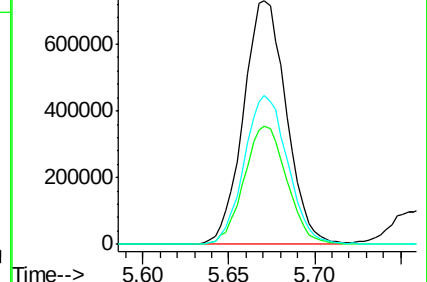
130 62.2 30.7 92.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.818 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035292.D

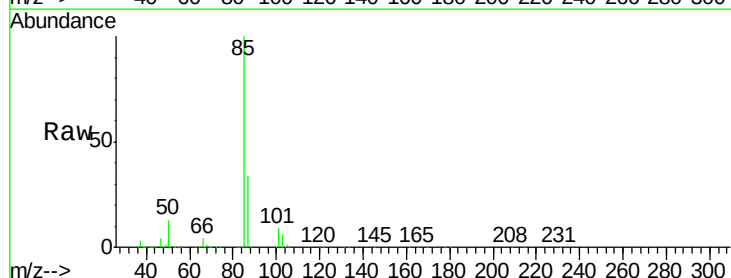
Acq: 30 Jul 2020 23:12

Tgt Ion: 85 Resp: 1482123

Ion Ratio Lower Upper

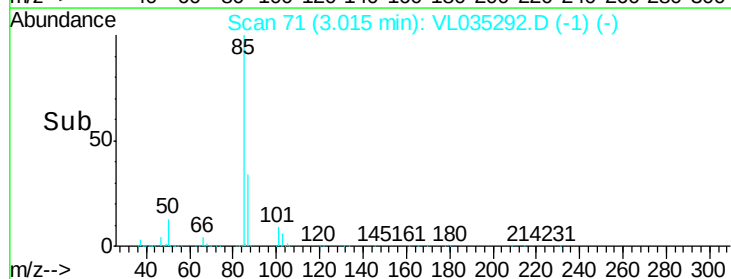
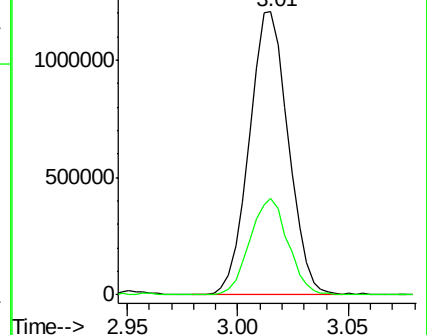
85 100

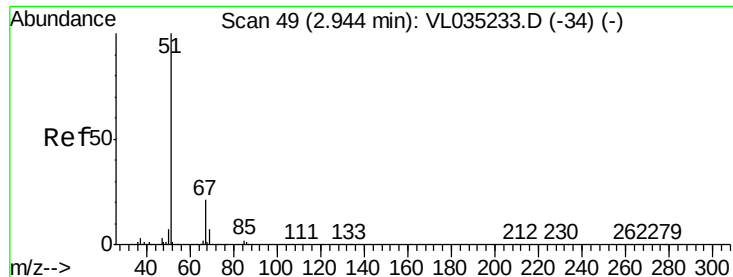
87 34.3 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.225 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

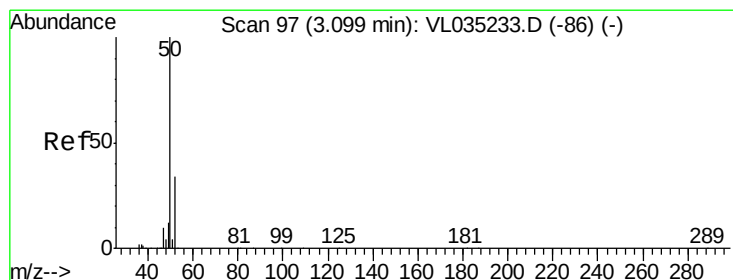
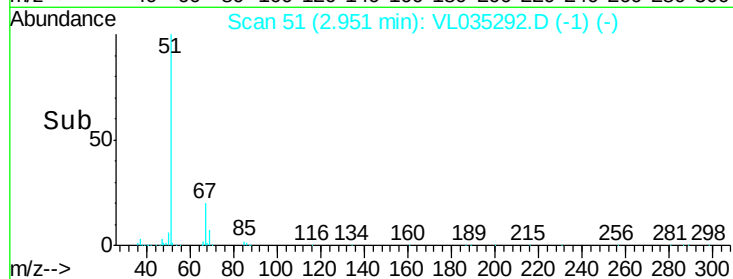
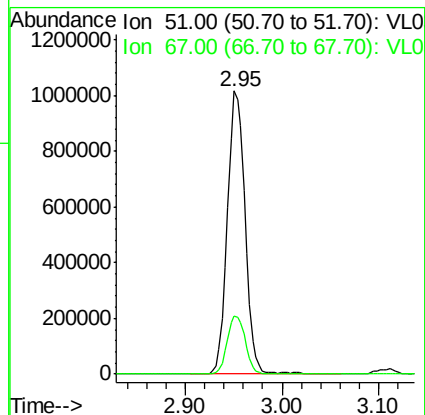
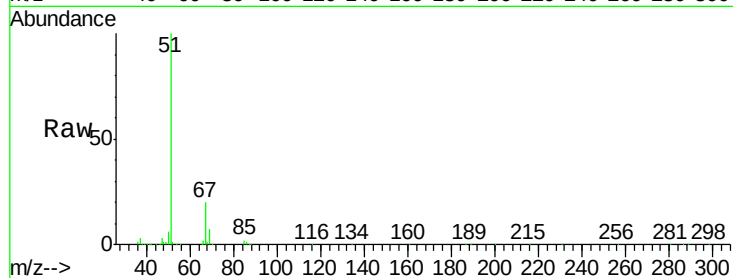
VSTDCCC010EC

Tot Ion: 51 Resp: 1290701

Ion Ratio Lower Upper

51 100

67 20.9 16.6 25.0



#4

Chloromethane

Concen: 9.205 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.01 min

Lab File: VL035292.D

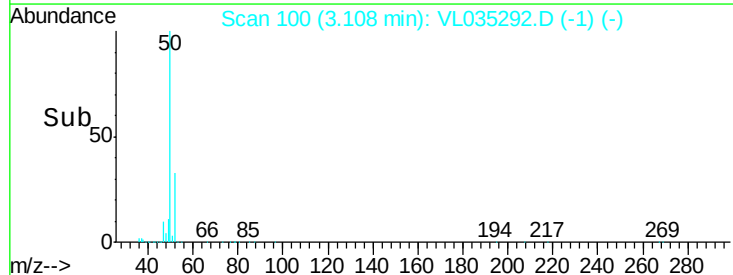
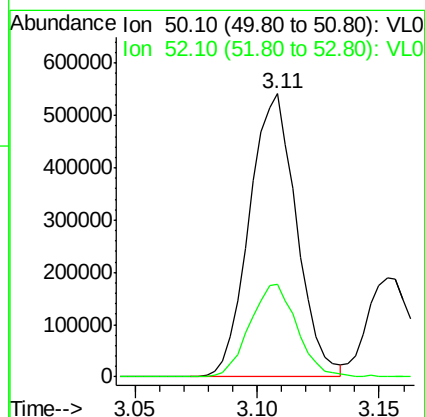
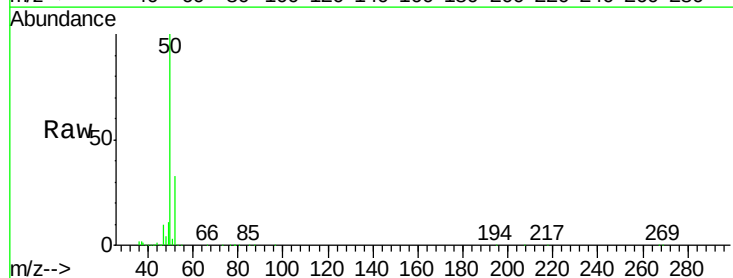
Acq: 30 Jul 2020 23:12

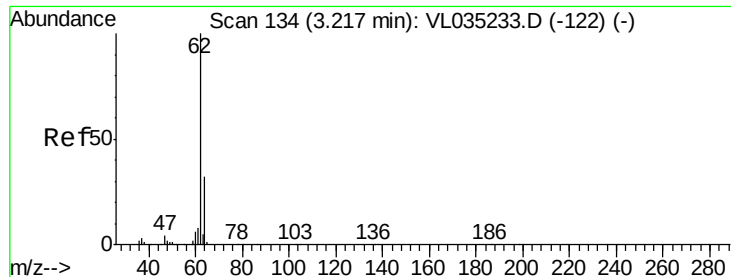
Tgt Ion: 50 Resp: 724741

Ion Ratio Lower Upper

50 100

52 32.8 27.1 40.7





#5

Vinyl Chloride

Concen: 9.009 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

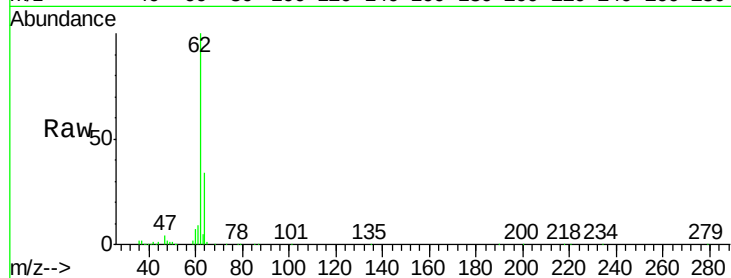
VSTDCCC010EC

Tot Ion: 62 Resp: 738849

Ion Ratio Lower Upper

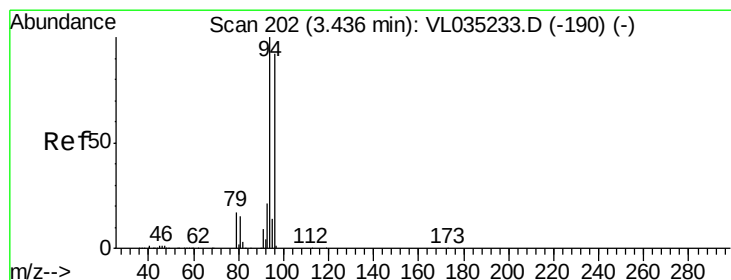
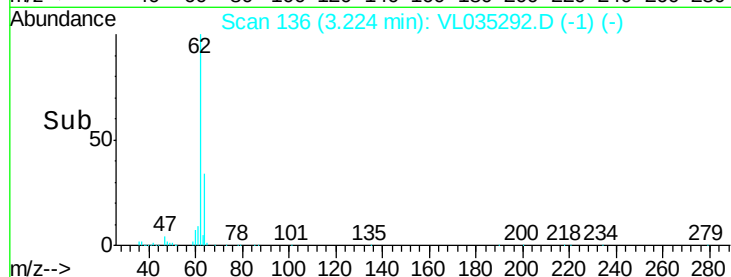
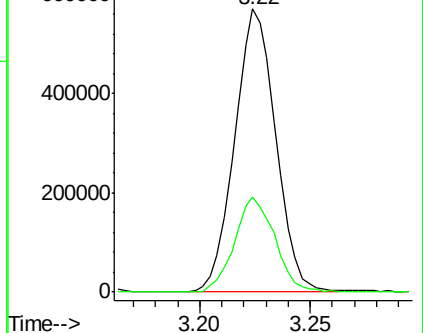
62 100

64 33.6 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: 9.260 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035292.D

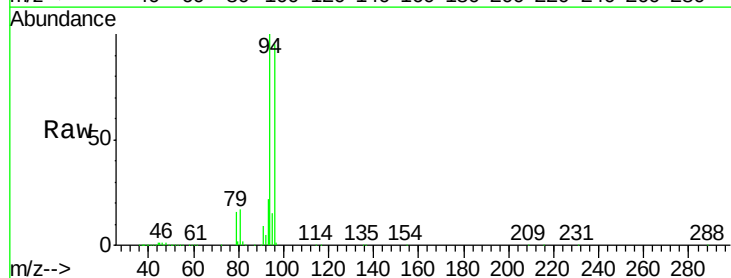
Acq: 30 Jul 2020 23:12

Tgt Ion: 94 Resp: 469101

Ion Ratio Lower Upper

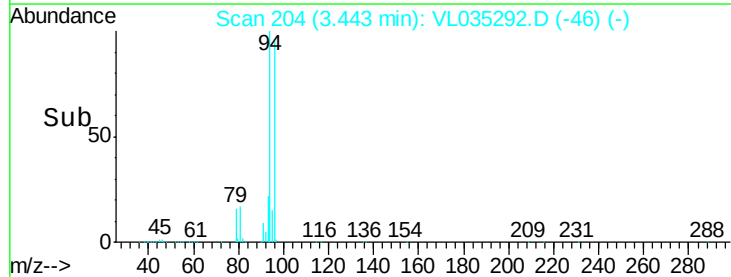
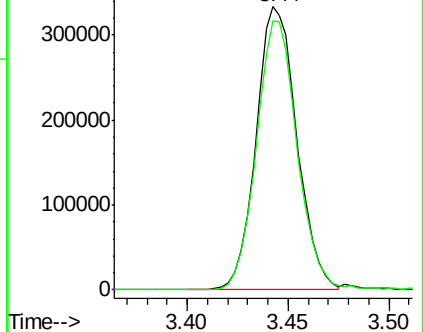
94 100

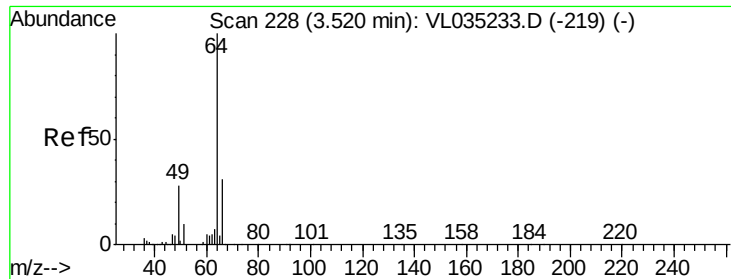
96 95.3 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.502 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

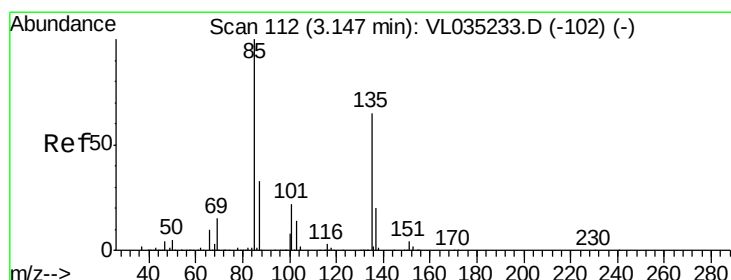
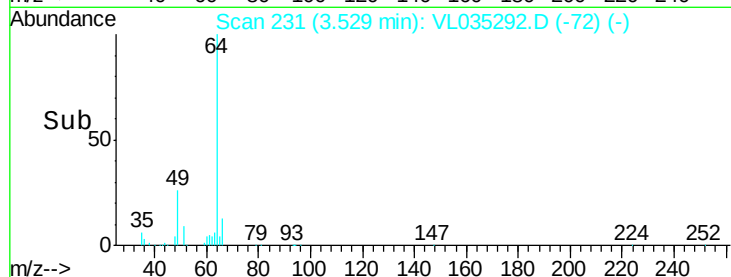
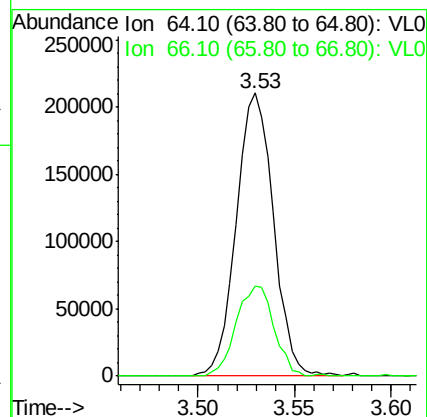
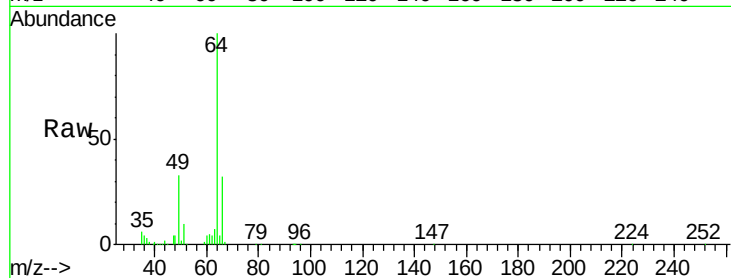
VSTDCCC010EC

Tot Ion: 64 Resp: 281266

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 9.500 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035292.D

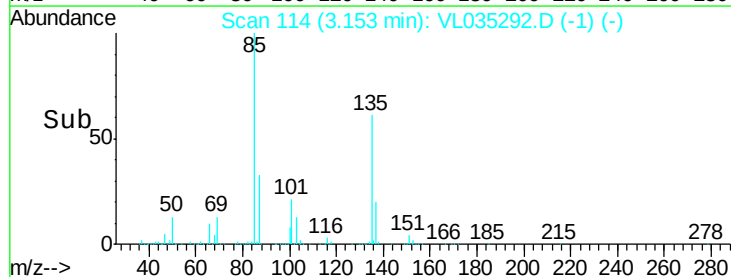
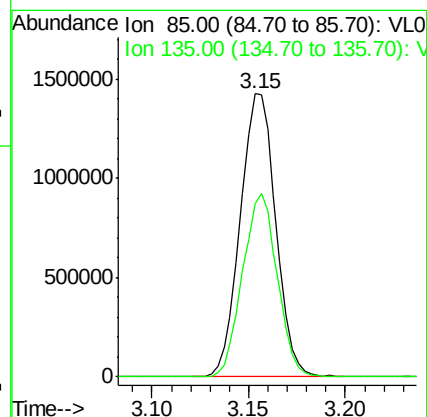
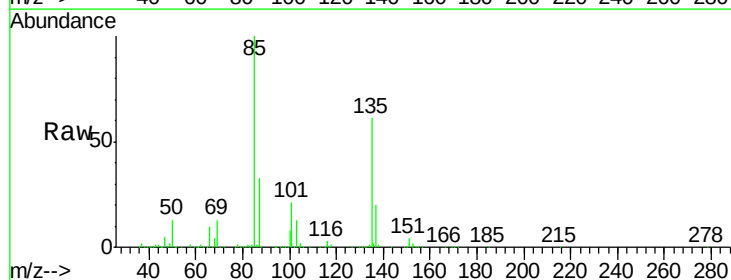
Acq: 30 Jul 2020 23:12

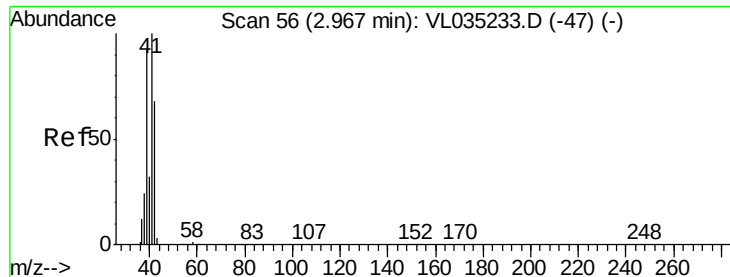
Tgt Ion: 85 Resp: 1819577

Ion Ratio Lower Upper

85 100

135 63.4 51.4 77.0





#9

Propene

Concen: 9.639 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

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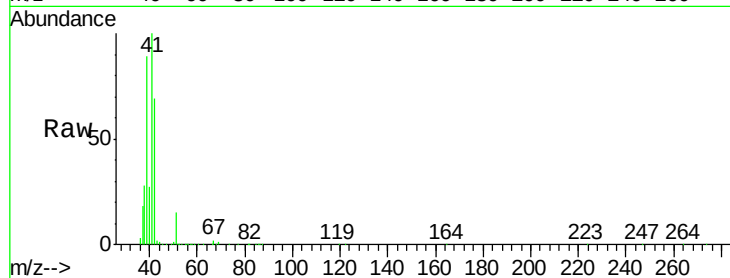
VSTDCCC010EC

Tot Ion: 41 Resp: 470090

Ion Ratio Lower Upper

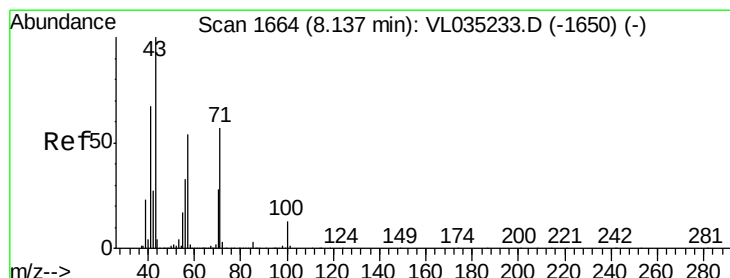
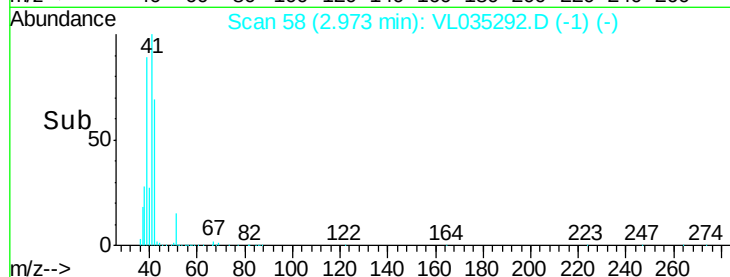
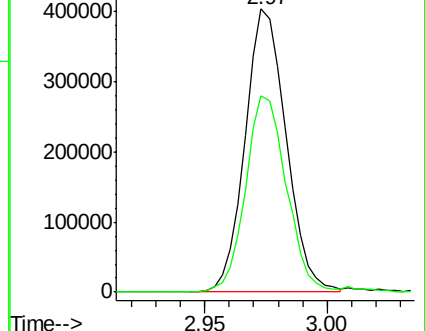
41 100

42 70.2 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.894 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL035292.D

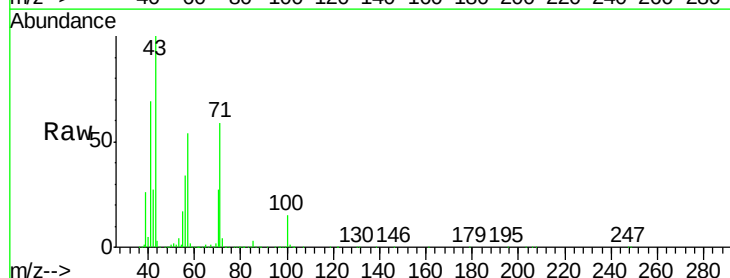
Acq: 30 Jul 2020 23:12

Tgt Ion: 43 Resp: 1438108

Ion Ratio Lower Upper

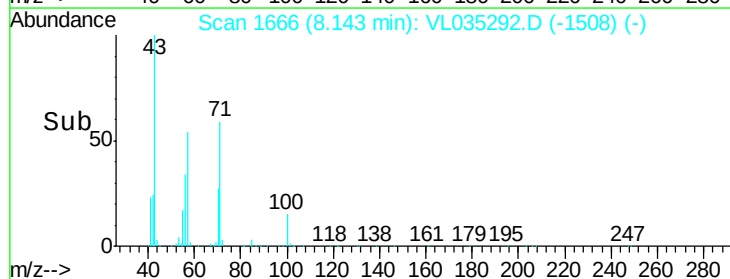
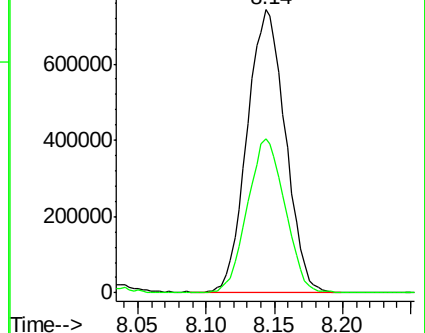
43 100

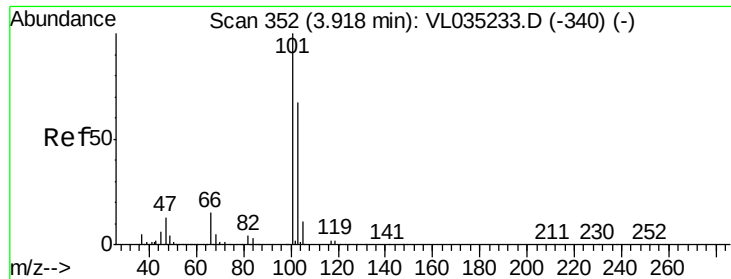
57 53.6 43.0 64.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.730 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

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MSVOA_L

ClientSampleId :

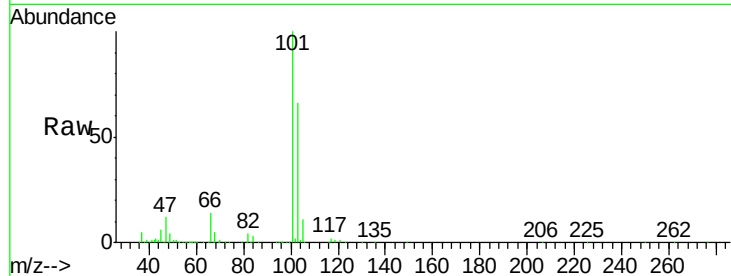
VSTDCCC010EC

Tot Ion:101 Resp: 1975566

Ion Ratio Lower Upper

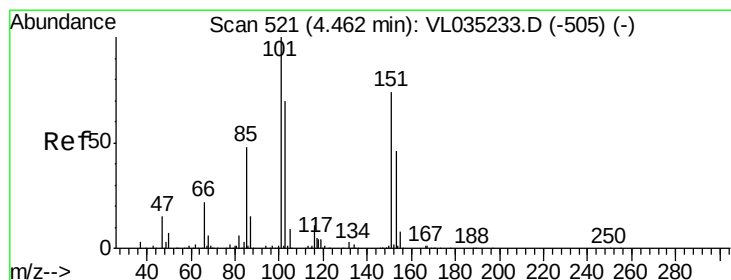
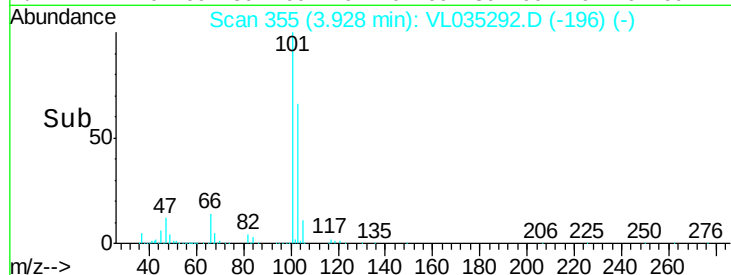
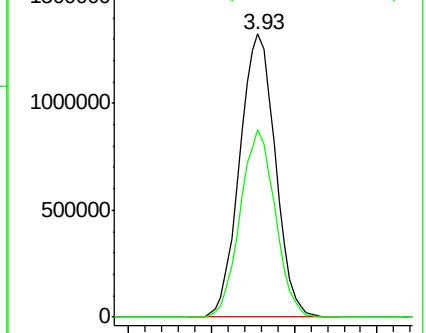
101 100

103 66.1 53.4 80.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.462 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.01 min

Lab File: VL035292.D

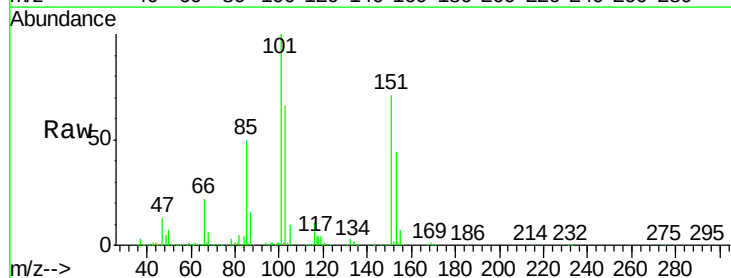
Acq: 30 Jul 2020 23:12

Tgt Ion:101 Resp: 1362446

Ion Ratio Lower Upper

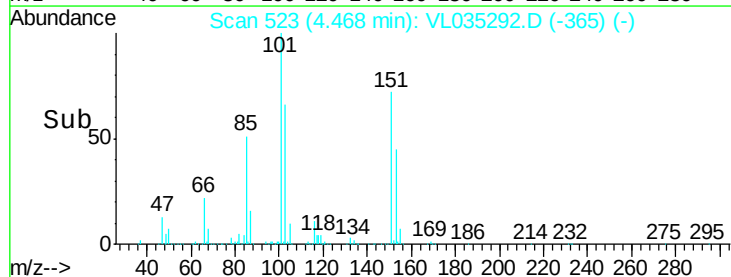
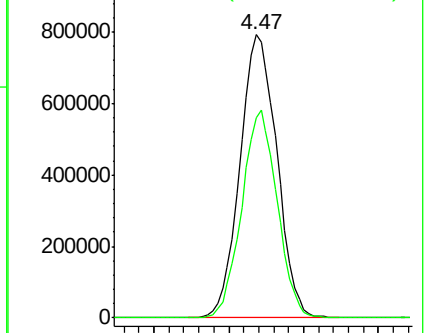
101 100

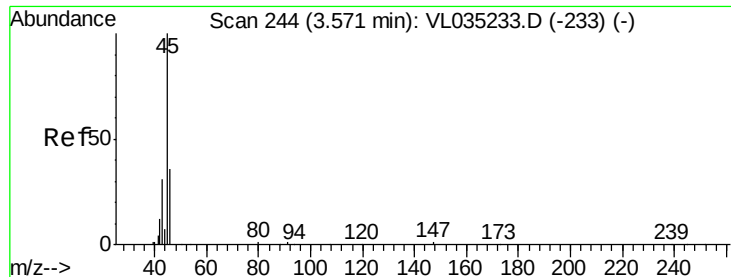
151 70.5 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

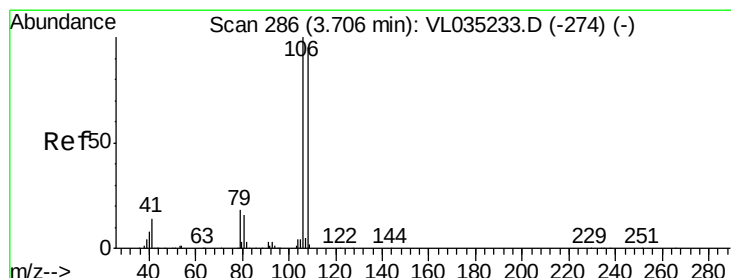
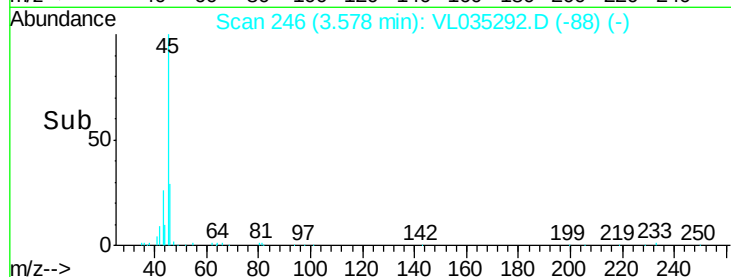
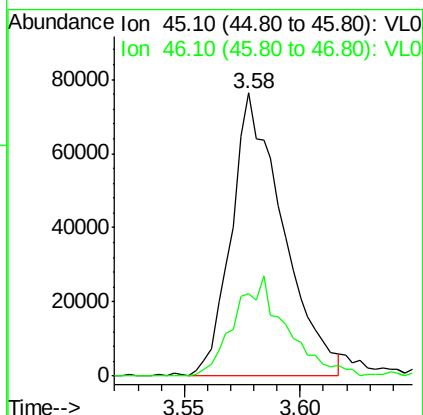
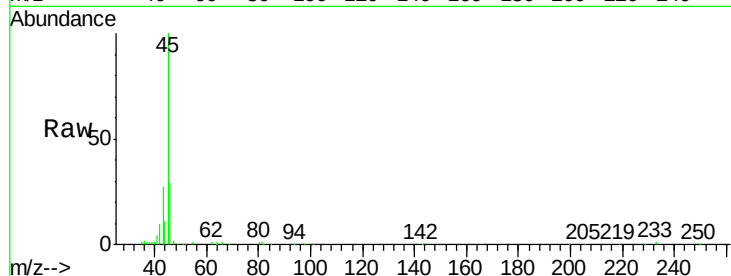




#13
Ethanol
Concen: 5.958 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

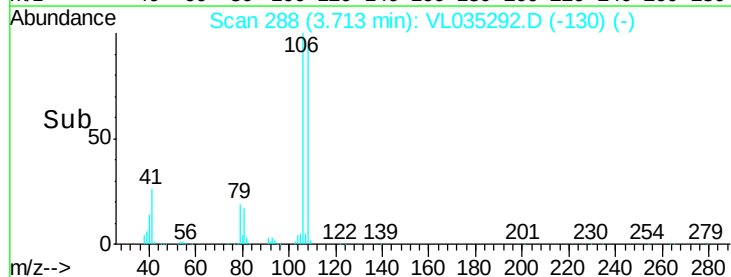
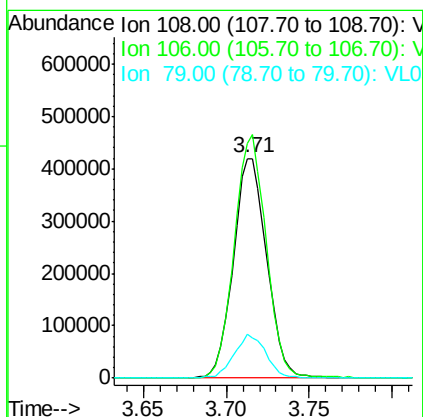
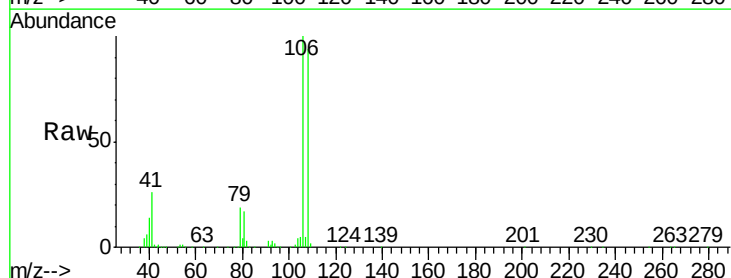
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

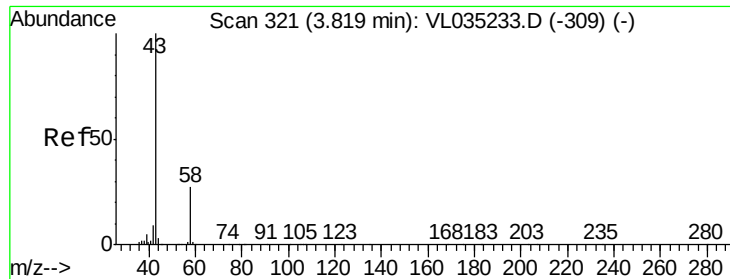
Tot Ion: 45 Resp: 118259
Ion Ratio Lower Upper
45 100
46 36.2 15.8 63.4



#14
Bromoethene
Concen: 9.991 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

Tgt Ion: 108 Resp: 587115
Ion Ratio Lower Upper
108 100
106 107.0 85.0 127.6
79 19.0 15.4 23.2





#15

Acetone

Concen: 8.728 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

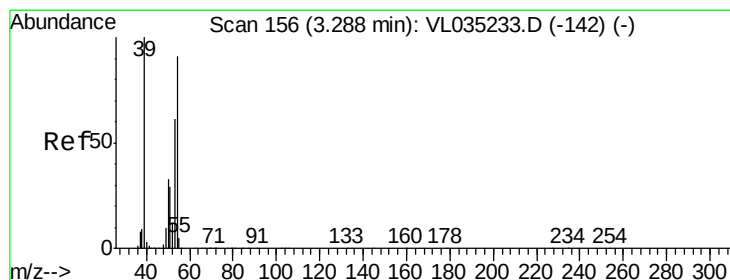
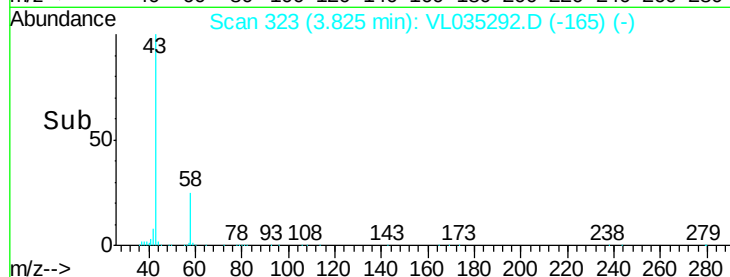
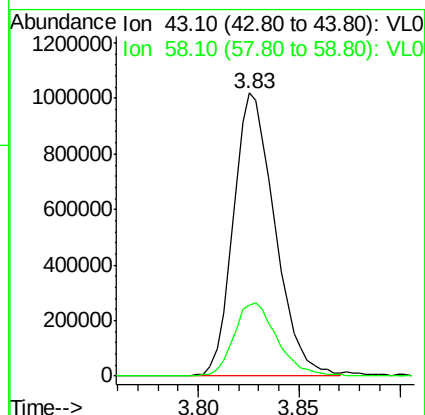
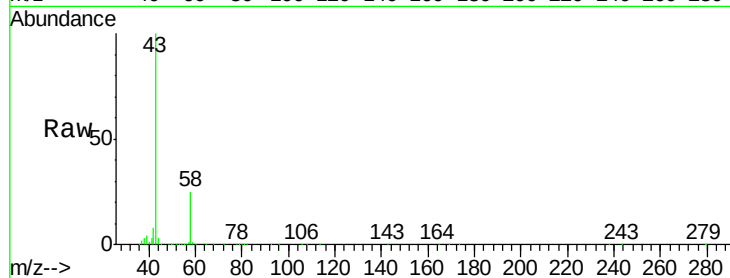
VSTDCCC010EC

Tot Ion: 43 Resp: 1471446

Ion Ratio Lower Upper

43 100

58 27.2 21.8 32.6



#16

1,3-Butadiene

Concen: 9.879 ppbv

RT: 3.30 min Scan# 159

Delta R.T. 0.01 min

Lab File: VL035292.D

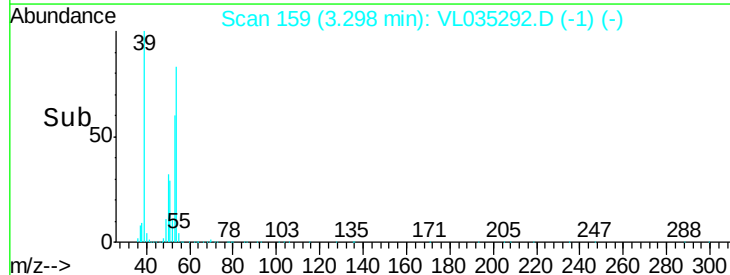
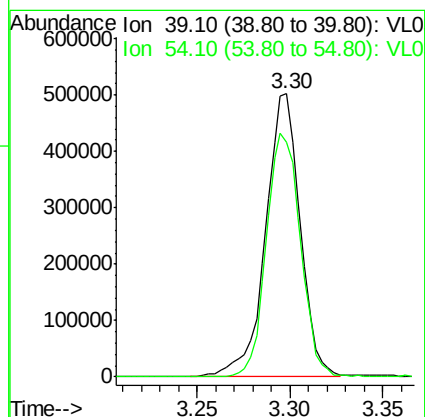
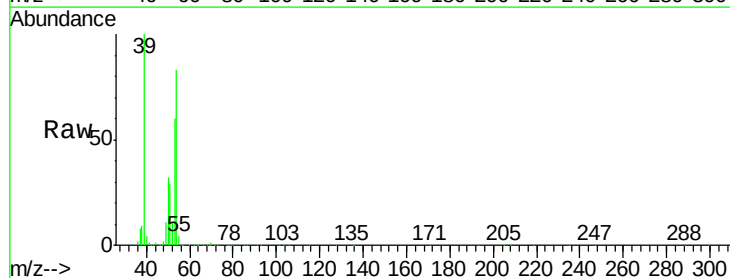
Acq: 30 Jul 2020 23:12

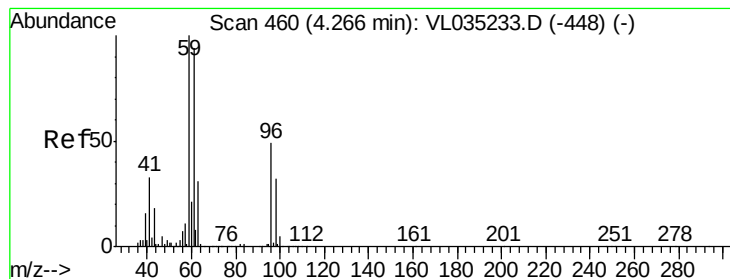
Tgt Ion: 39 Resp: 649648

Ion Ratio Lower Upper

39 100

54 85.0 68.2 102.2





#17

tert-Butyl alcohol
Concen: 9.597 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

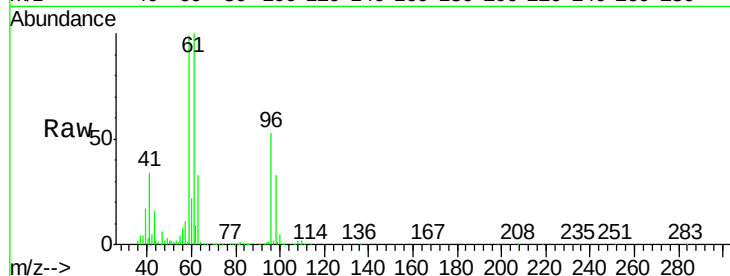
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1561563

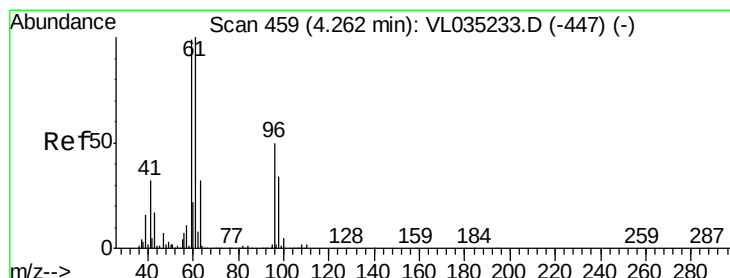
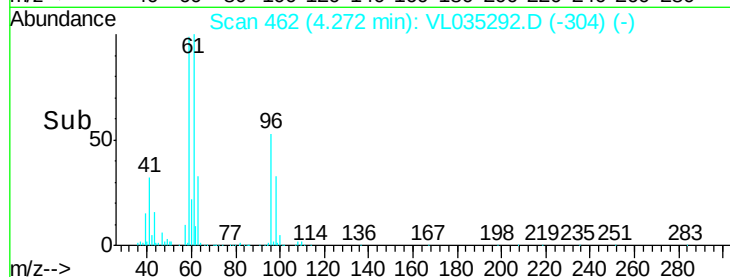
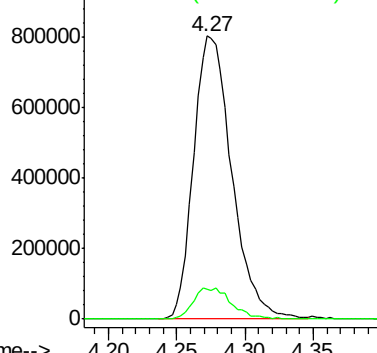
Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8



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



#18

1,1-Dichloroethene
Concen: 10.013 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

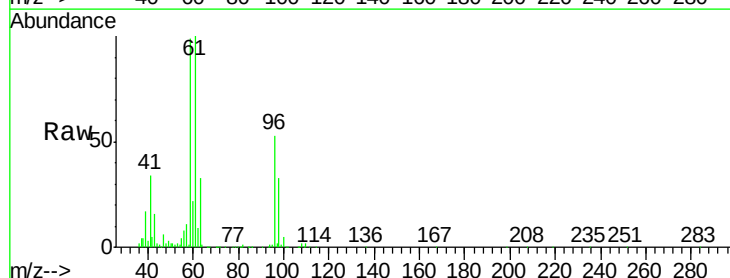
Tgt Ion: 96 Resp: 640227

Ion Ratio Lower Upper

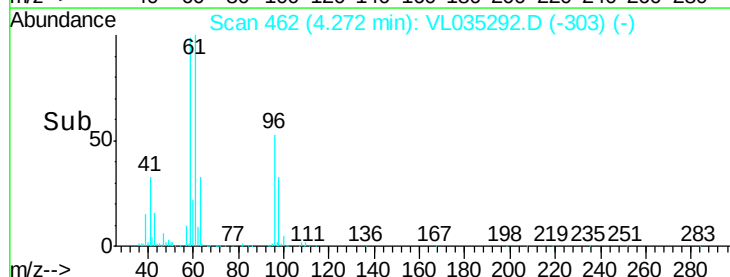
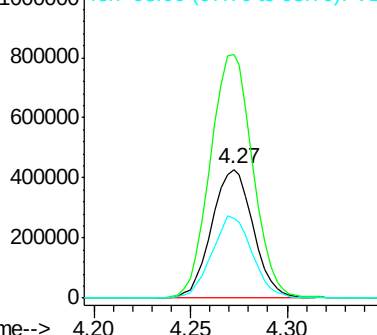
96 100

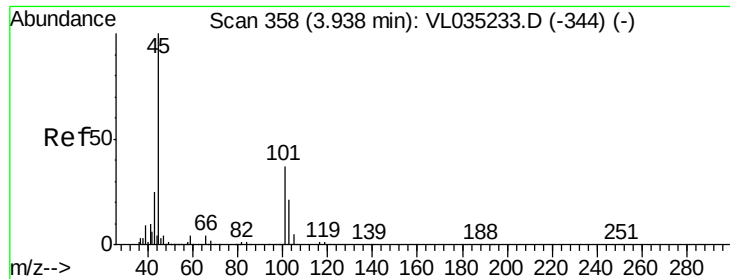
61 188.8 159.4 239.2

98 61.8 53.9 80.9



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





#19

Isopropyl Alcohol

Concen: 9.230 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

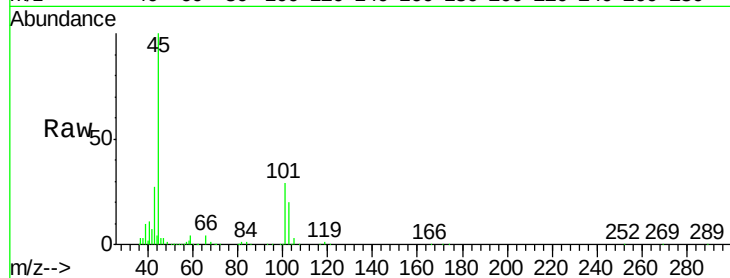
VSTDCCC010EC

Tot Ion: 45 Resp: 1026262

Ion Ratio Lower Upper

45 100

58 2.9 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

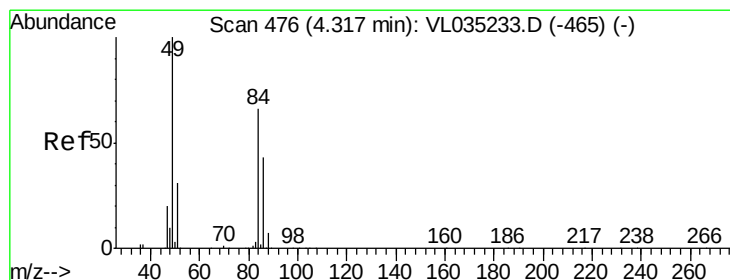
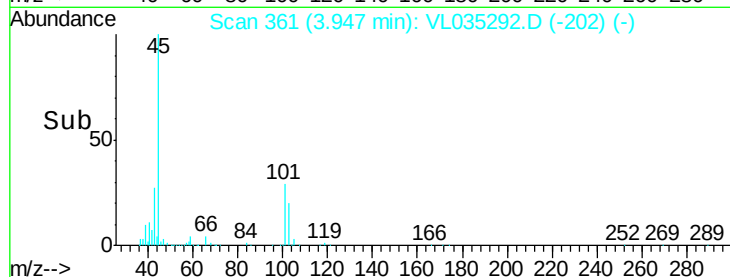
400000

200000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 7.288 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Tgt Ion: 84 Resp: 559264

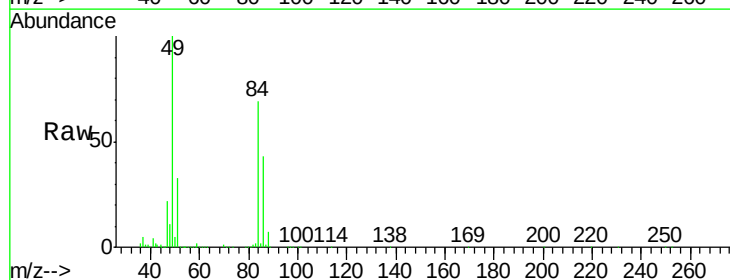
Ion Ratio Lower Upper

84 100

49 143.9 121.0 181.4

51 47.1 37.7 56.5

86 61.8 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

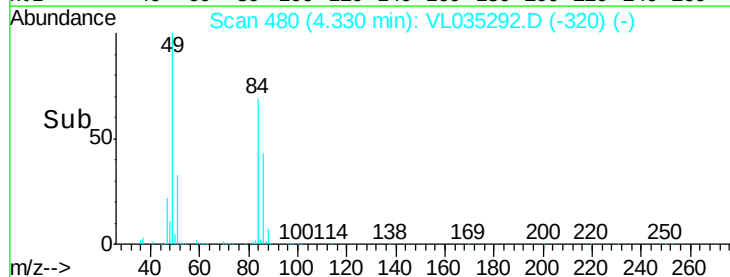
400000

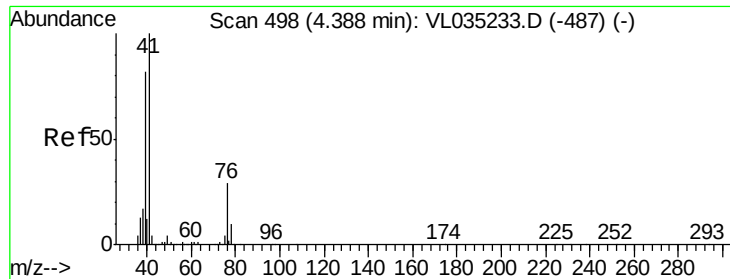
200000

0

4.30 4.33 4.40

Time-->





#21

Allvl Chloride

Concen: 10.196 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

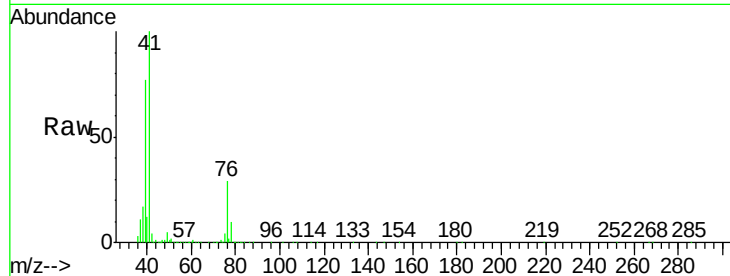
Tot Ion: 41 Resp: 978944

Ion Ratio Lower Upper

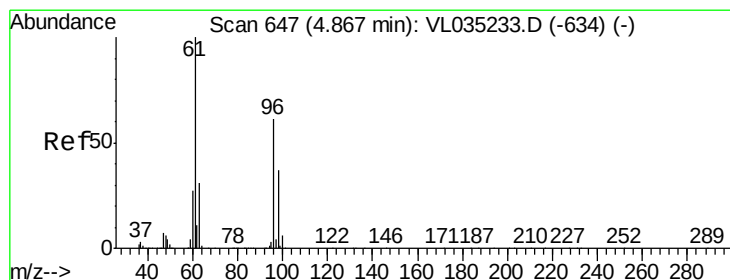
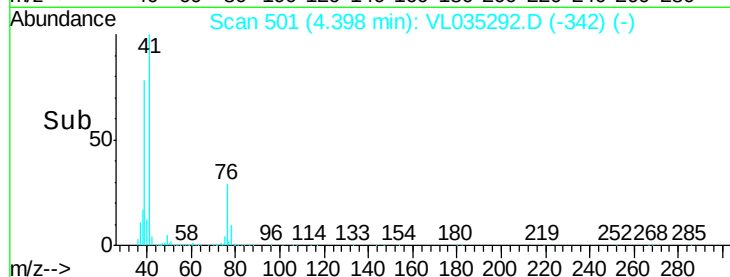
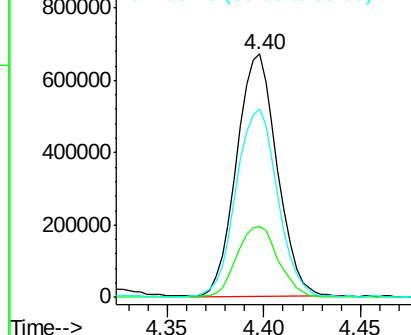
41 100

76 30.1 24.4 36.6

39 79.8 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: 10.127 ppbv

RT: 4.88 min Scan# 650

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

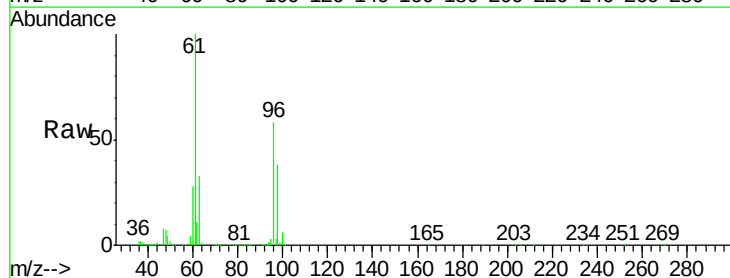
Tgt Ion: 96 Resp: 622160

Ion Ratio Lower Upper

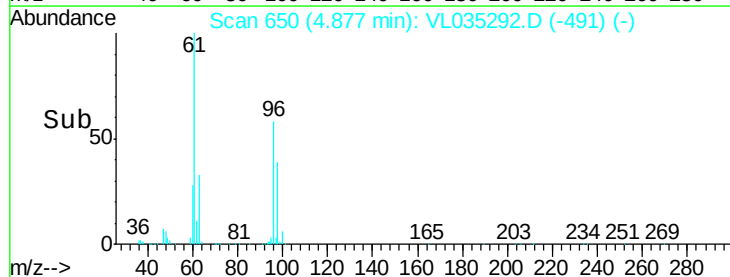
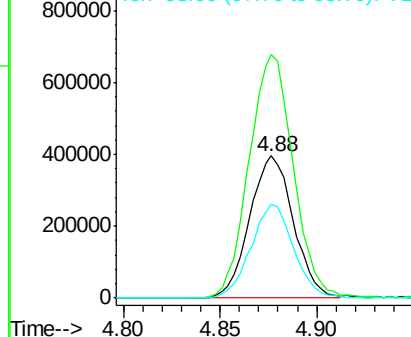
96 100

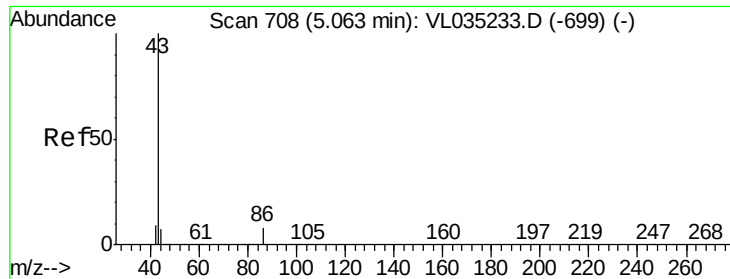
61 171.4 131.6 197.4

98 66.0 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: 10.217 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

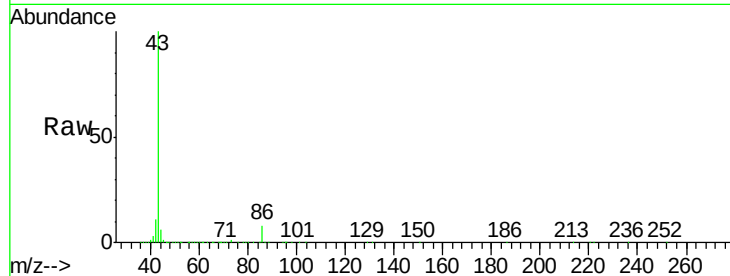
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1730711

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.2
42	11.1	8.0	12.0
44	5.5	5.2	7.8

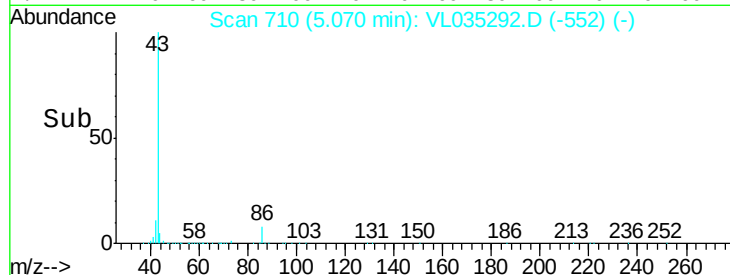


Abundance Ion 43.10 (42.80 to 43.80): VL0

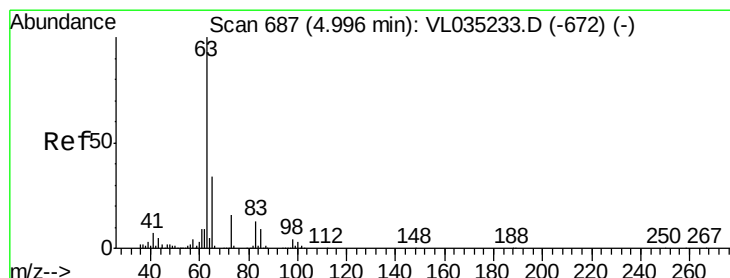
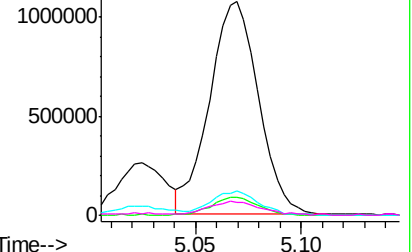
Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->



#24

1,1-Dichloroethane

Concen: 9.521 ppbv

RT: 5.00 min Scan# 689

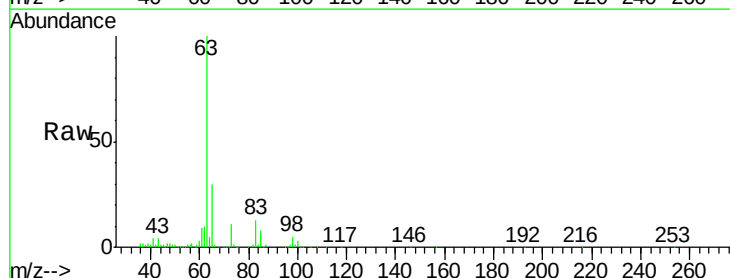
Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Tgt Ion: 63 Resp: 1504181

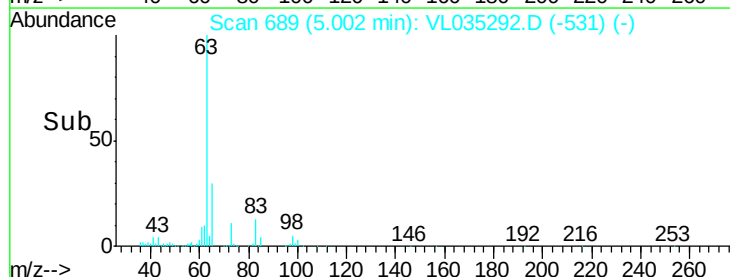
Ion	Ratio	Lower	Upper
63	100		
98	4.6	1.9	5.7
100	2.8	1.4	4.2



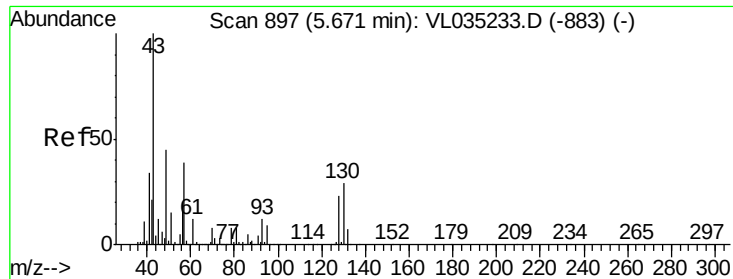
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->

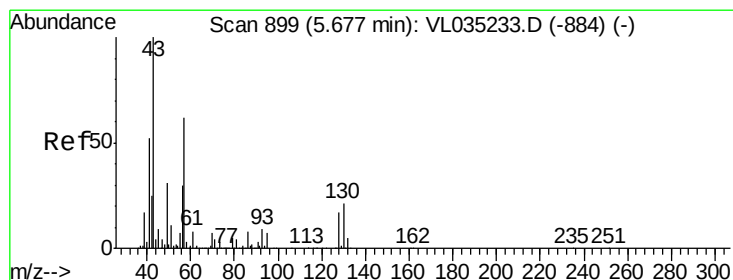
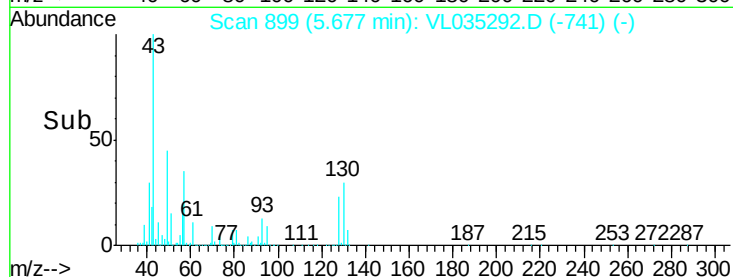
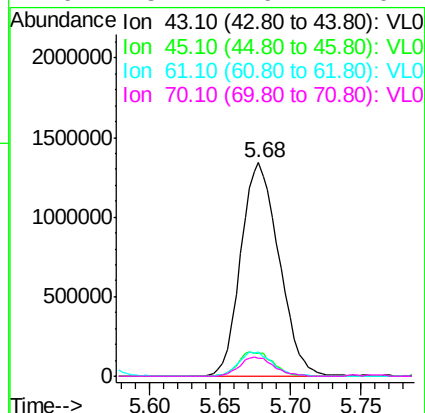
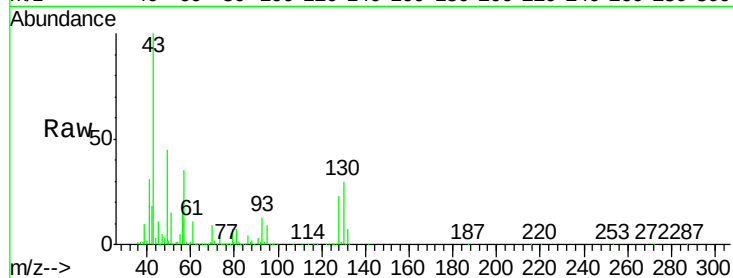


#25
Ethyl Acetate
Concen: 9.653 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2541311

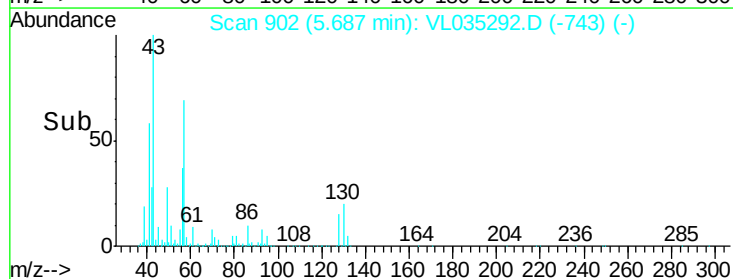
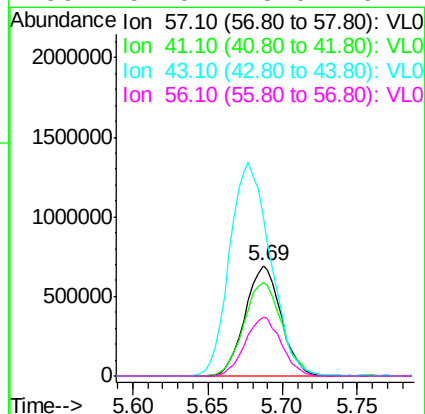
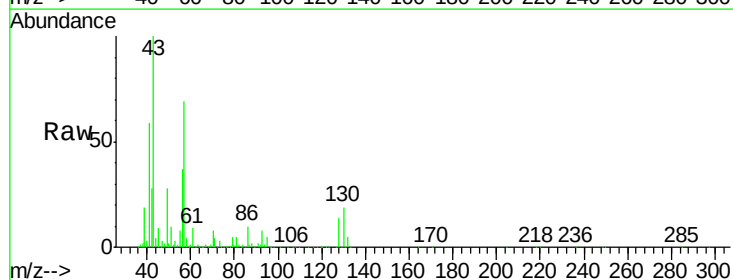
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	10.3	8.1	12.1
70	8.1	6.2	9.4

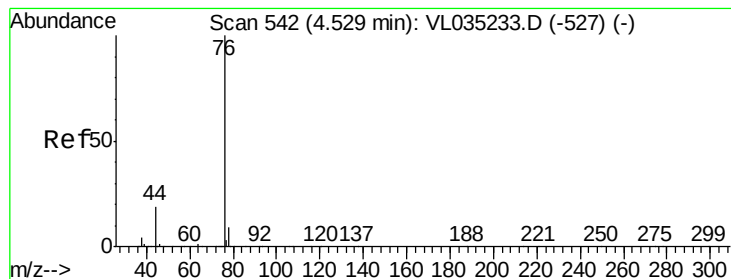


#26
Hexane
Concen: 9.736 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

Tgt Ion: 57 Resp: 1156372

Ion	Ratio	Lower	Upper
57	100		
41	90.4	73.9	110.9
43	221.3	177.6	266.4
56	54.0	43.0	64.4





#27

Carbon Disulfide

Concen: 10.333 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

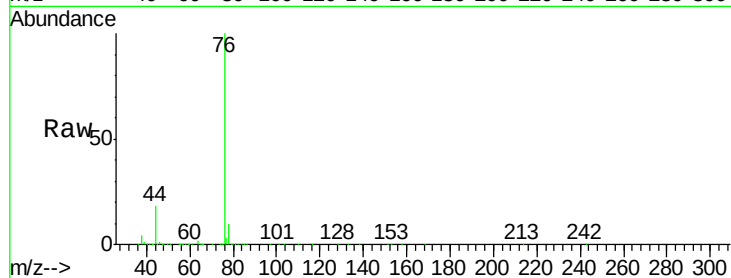
Tot Ion: 76 Resp: 1658081

Ion Ratio Lower Upper

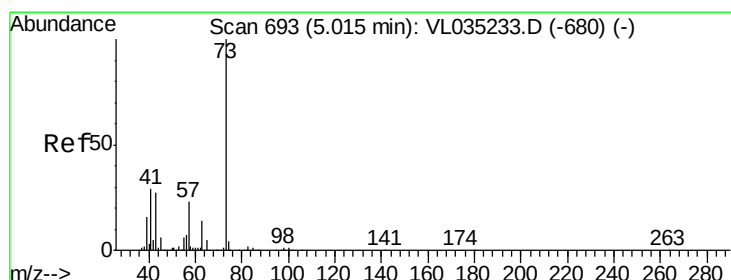
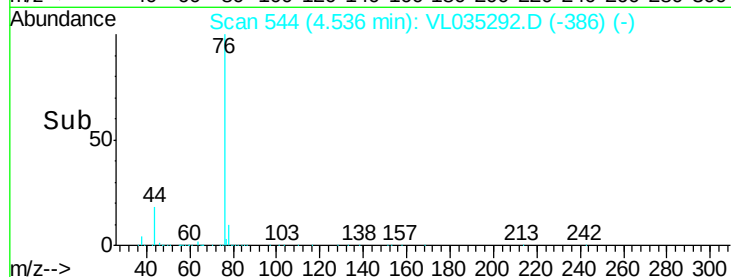
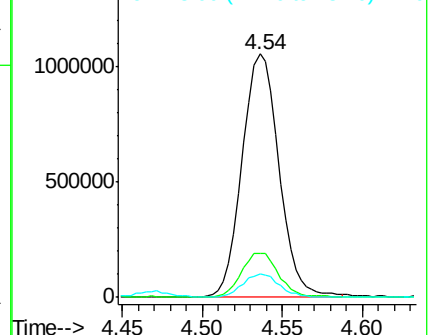
76 100

44 19.0 14.7 22.1

78 9.6 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: 10.159 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL035292.D

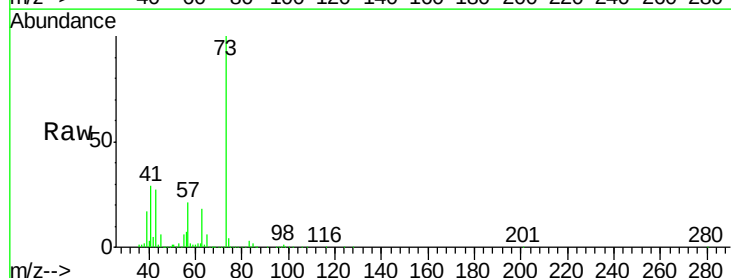
Acq: 30 Jul 2020 23:12

Tgt Ion: 73 Resp: 1724918

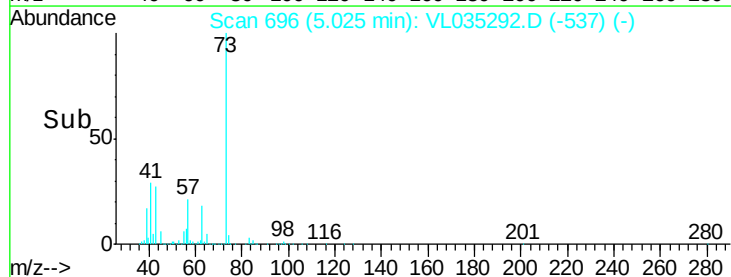
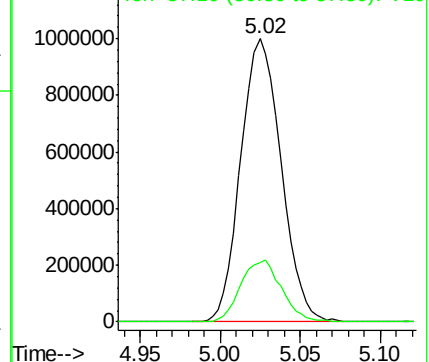
Ion Ratio Lower Upper

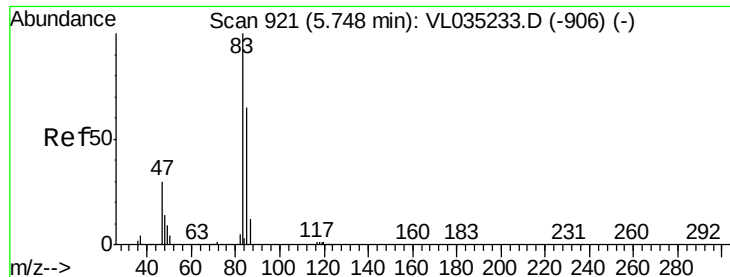
73 100

57 22.2 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: 9.556 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

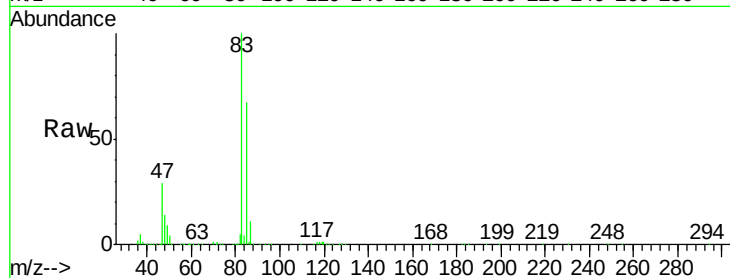
VSTDCCC010EC

Tot Ion: 83 Resp: 1903591

Ion Ratio Lower Upper

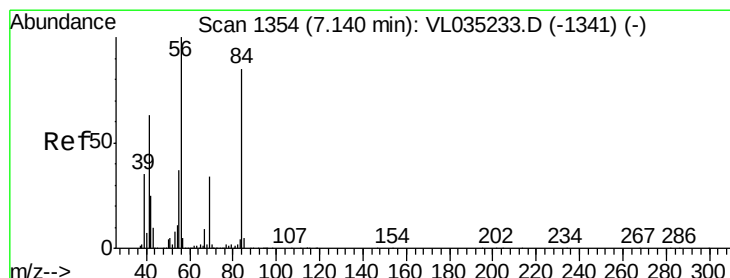
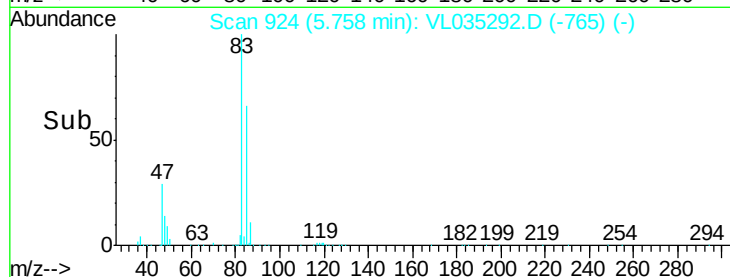
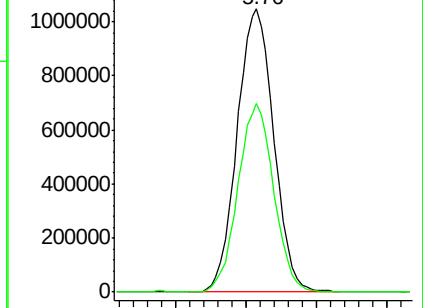
83 100

85 66.4 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.252 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

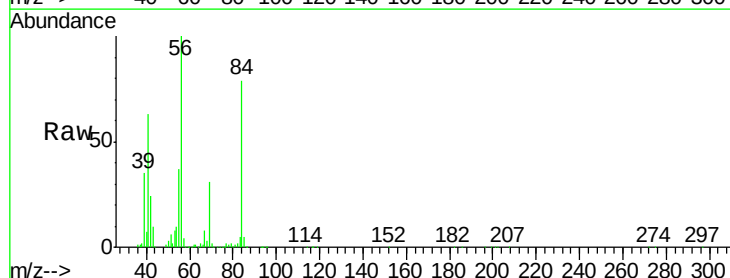
Tgt Ion: 84 Resp: 955249

Ion Ratio Lower Upper

84 100

56 132.5 104.2 156.2

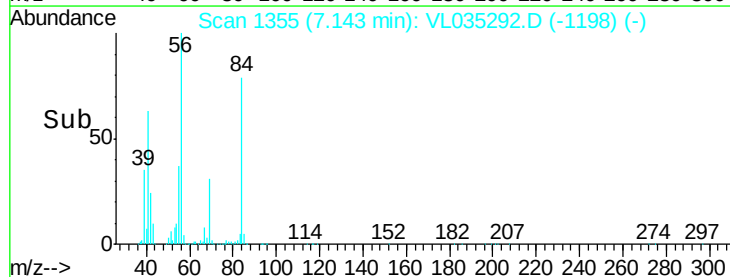
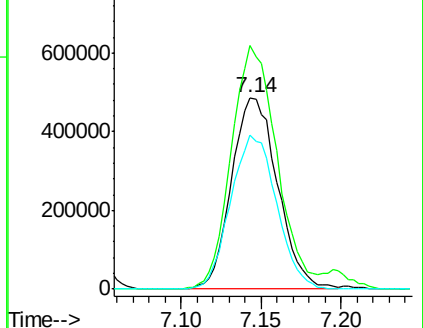
41 80.6 63.7 95.5

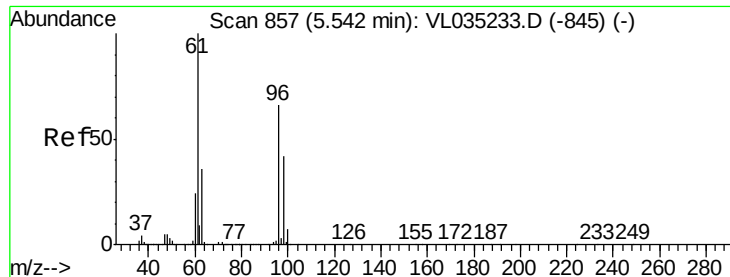


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 10.746 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

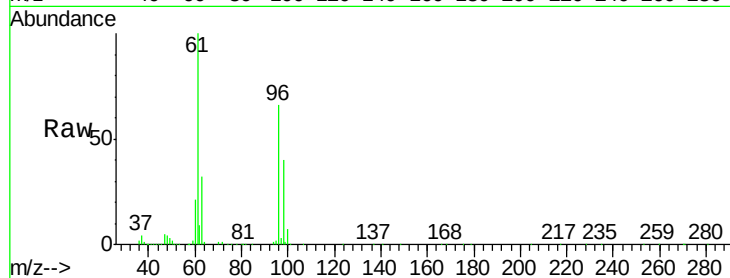
Tot Ion: 61 Resp: 1112584

Ion Ratio Lower Upper

61 100

96 65.8 52.6 78.8

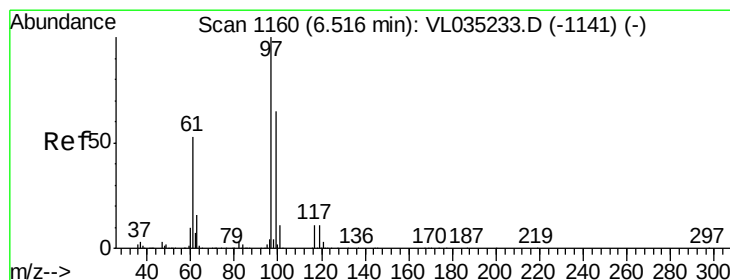
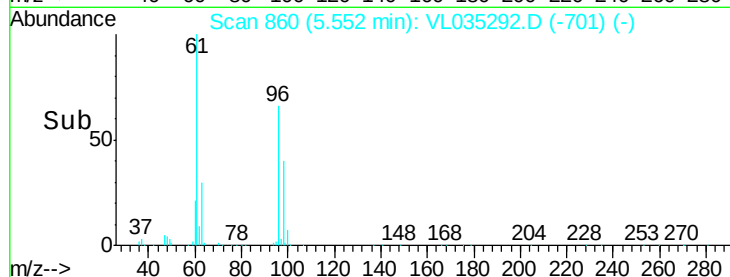
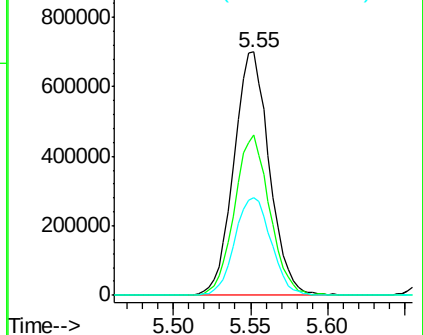
98 40.3 33.7 50.5



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: 9.131 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

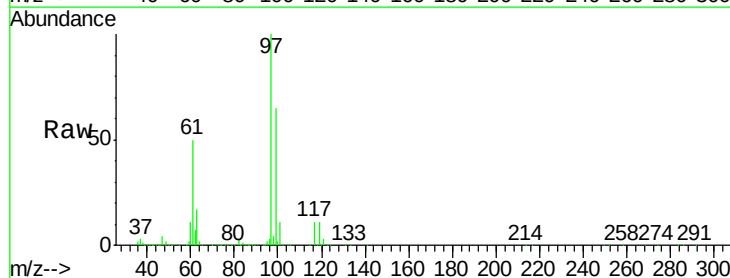
Tgt Ion: 97 Resp: 1861720

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

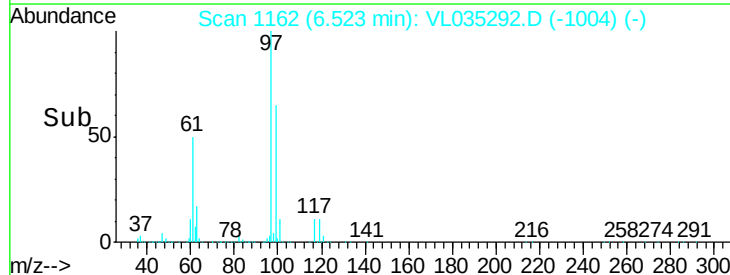
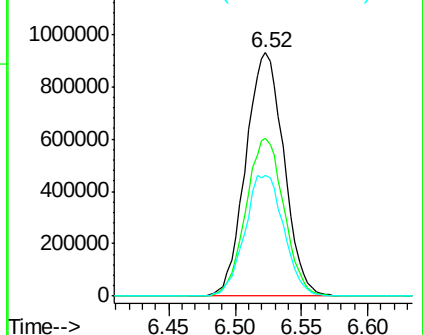
61 50.8 40.4 60.6

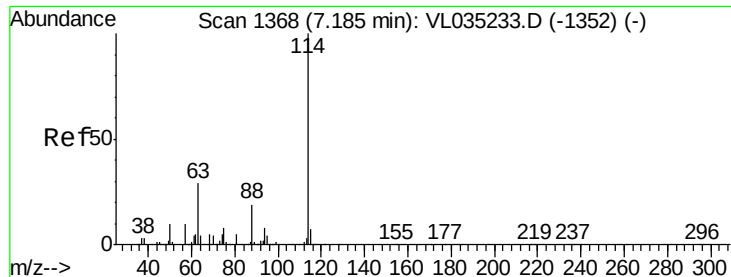


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

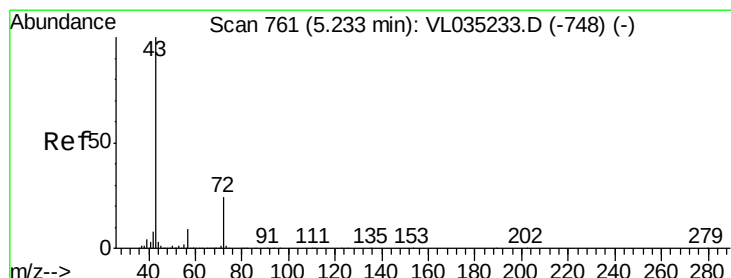
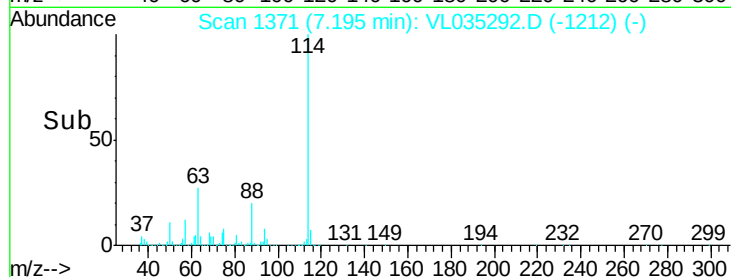
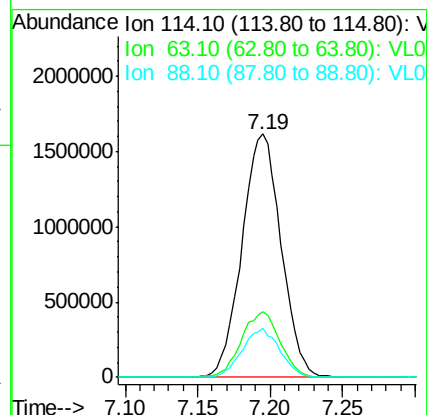
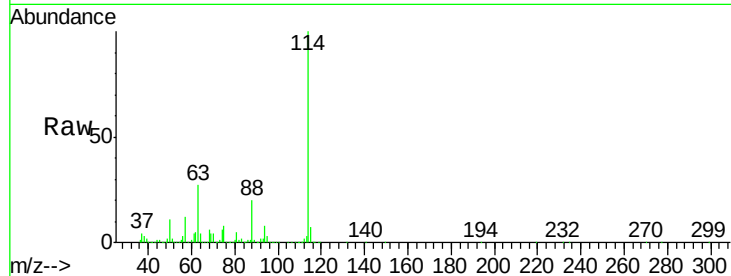




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

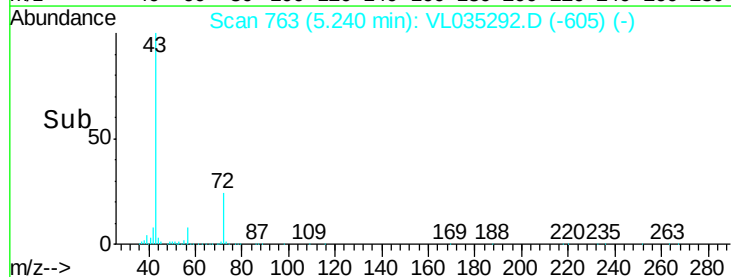
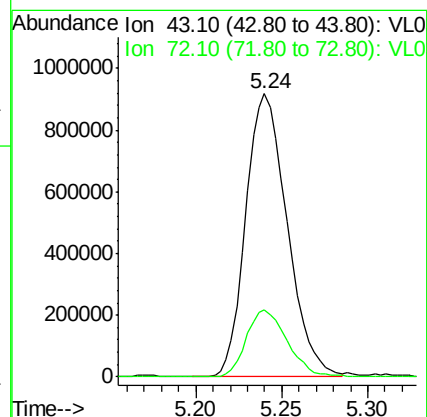
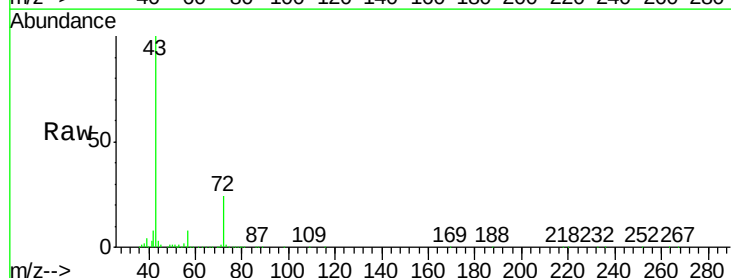
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

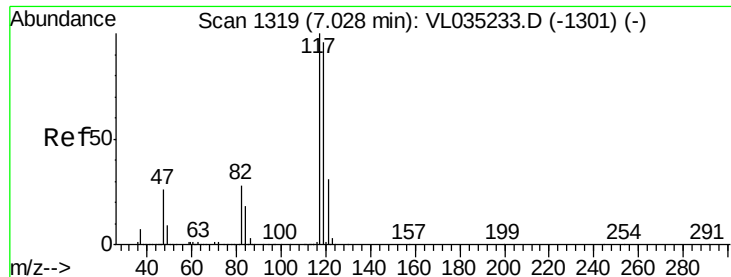
Tot Ion:114 Resp: 3027953
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.2 33.2
 88 19.4 15.4 23.0



#34
 2-Butanone
 Concen: 9.929 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

Tgt Ion: 43 Resp: 1529733
 Ion Ratio Lower Upper
 43 100
 72 23.5 19.2 28.8





#35

Carbon Tetrachloride

Concen: 9.687 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

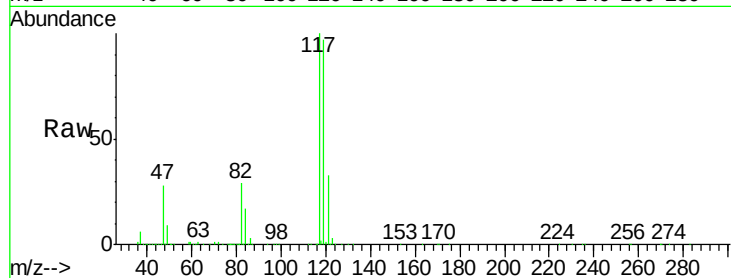
Tot Ion:117 Resp: 1963916

Ion Ratio Lower Upper

117 100

119 97.3 76.8 115.2

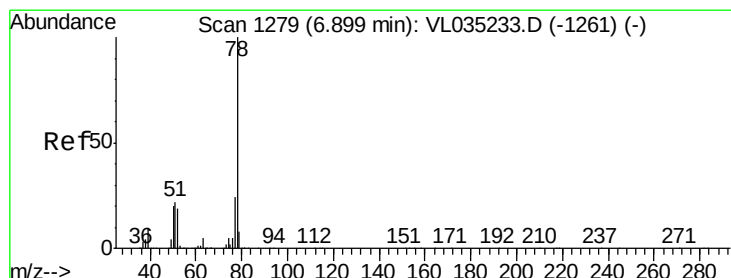
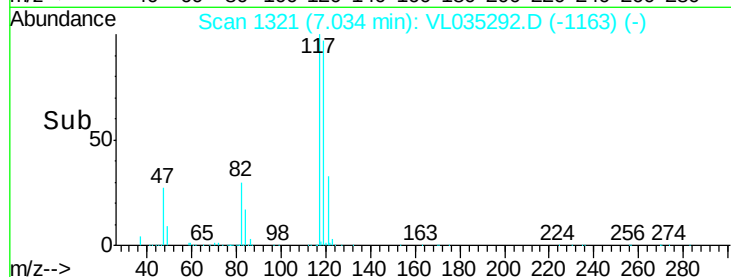
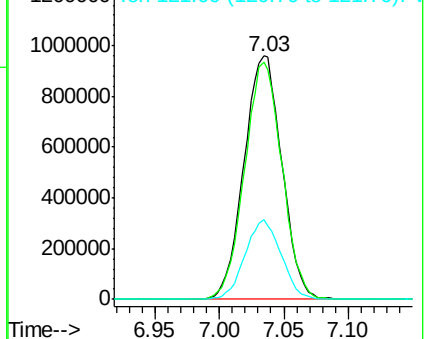
121 32.7 24.5 36.7



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: 10.636 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

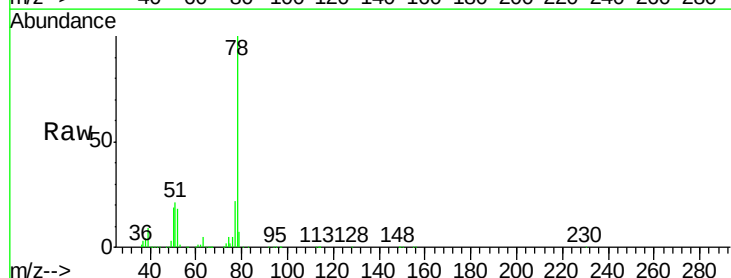
Tgt Ion: 78 Resp: 2238256

Ion Ratio Lower Upper

78 100

77 21.8 18.9 28.3

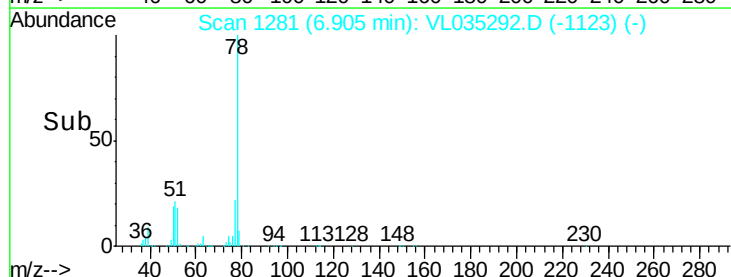
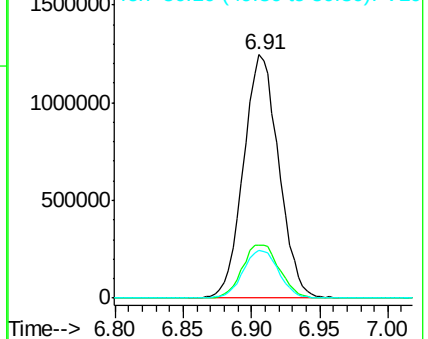
50 19.4 16.1 24.1

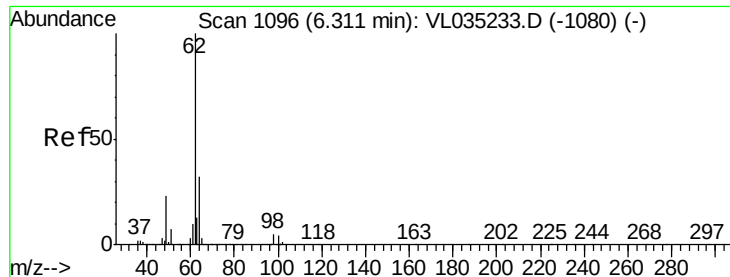


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

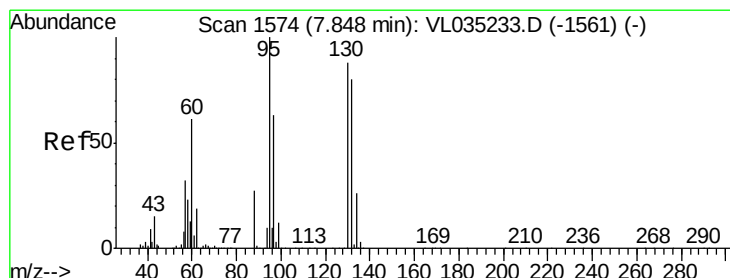
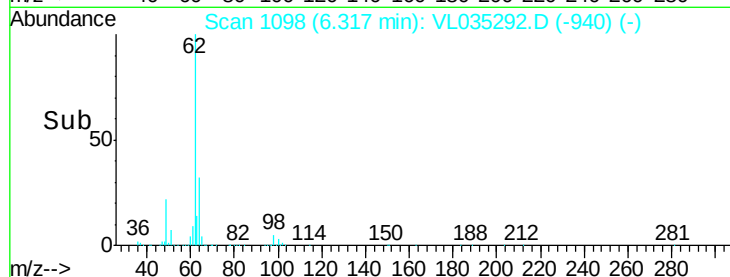
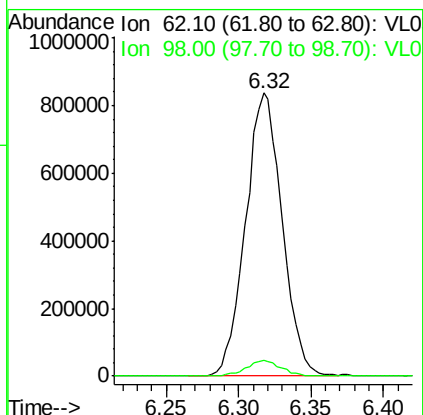
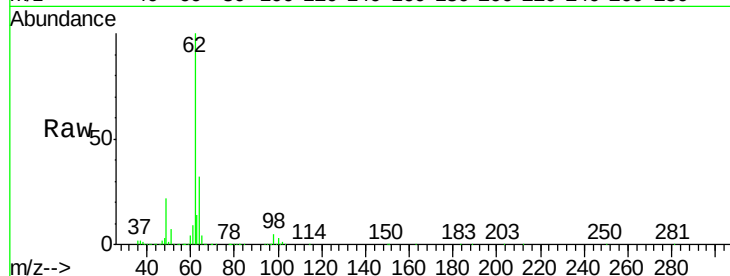




#37
 1,2-Dichloroethane
 Concen: 10.004 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

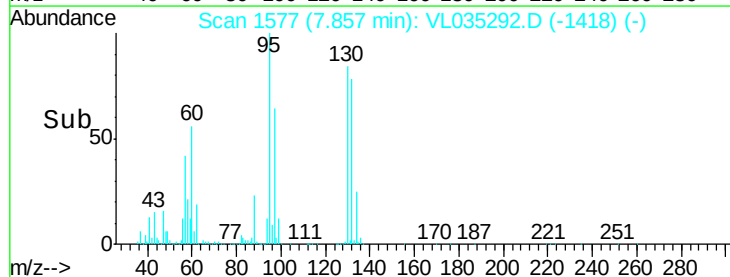
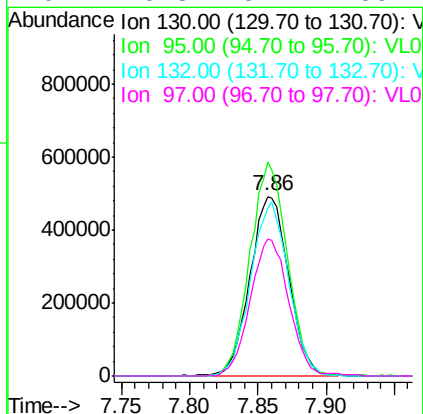
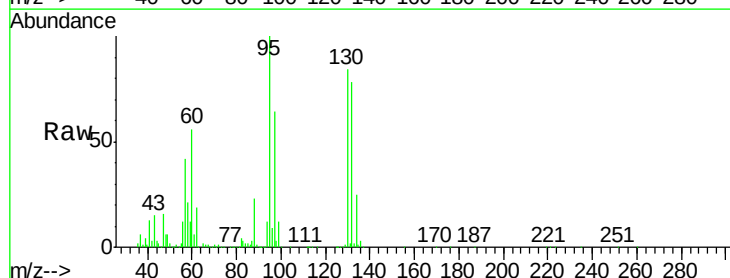
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

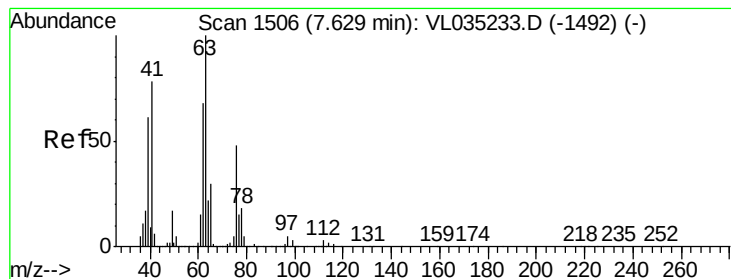
Tot Ion: 62 Resp: 1471690
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.5 6.7



#38
 Trichloroethene
 Concen: 11.005 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

Tgt Ion:130 Resp: 959837
 Ion Ratio Lower Upper
 130 100
 95 119.5 90.7 136.1
 132 93.7 72.9 109.3
 97 76.8 57.1 85.7





#39

1,2-Dichloropropane

Concen: 10.367 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

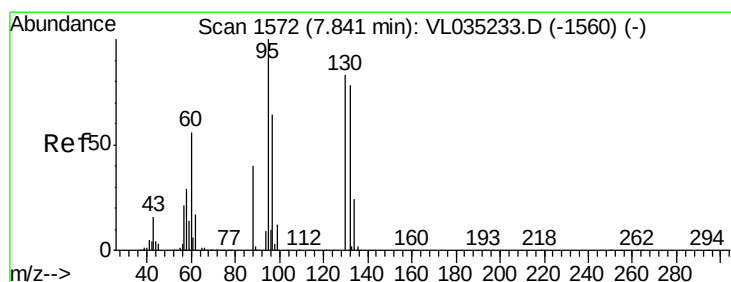
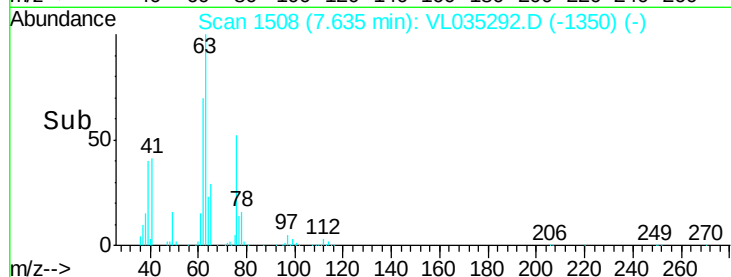
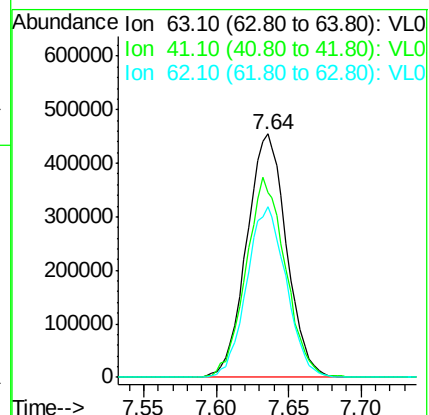
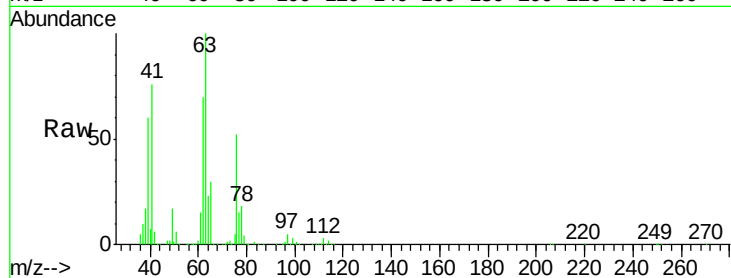
Tot Ion: 63 Resp: 870419

Ion Ratio Lower Upper

63 100

41 75.9 62.2 93.4

62 69.9 54.2 81.2



#40

1,4-Dioxane

Concen: 10.749 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Tgt Ion: 88 Resp: 355369

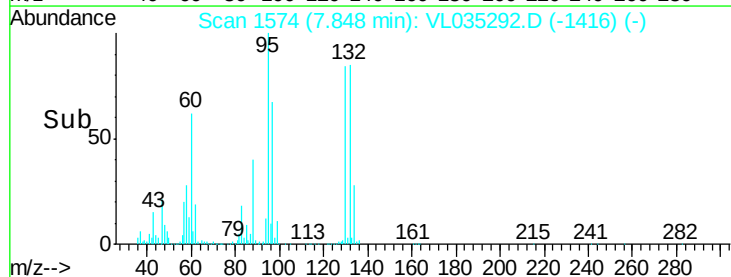
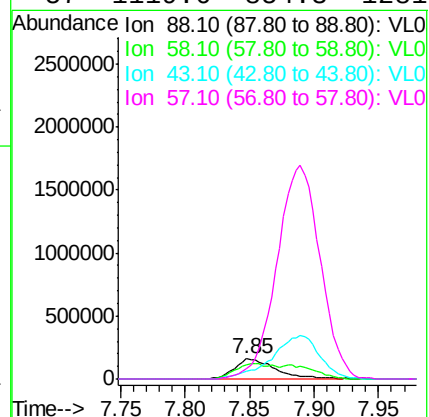
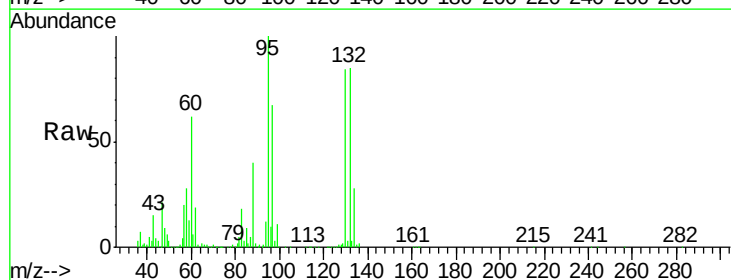
Ion Ratio Lower Upper

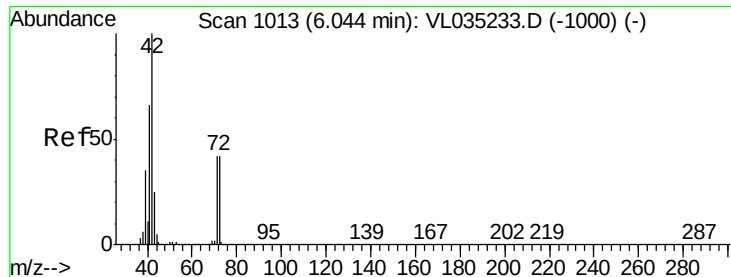
88 100

58 127.8 99.3 148.9

43 250.4 195.6 293.4

57 1119.6 854.3 1281.5

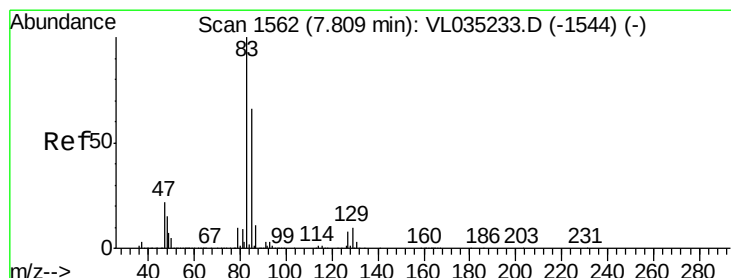
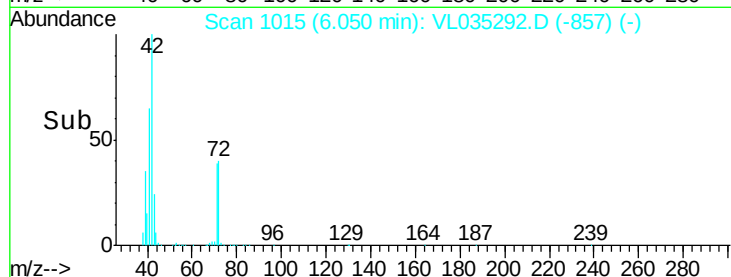
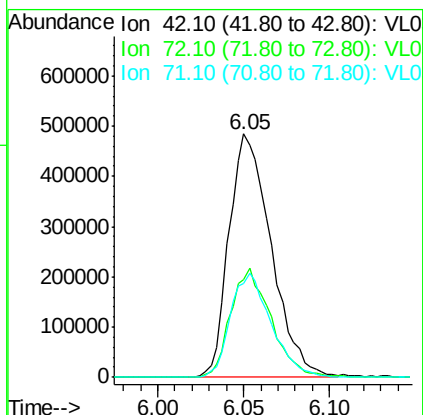
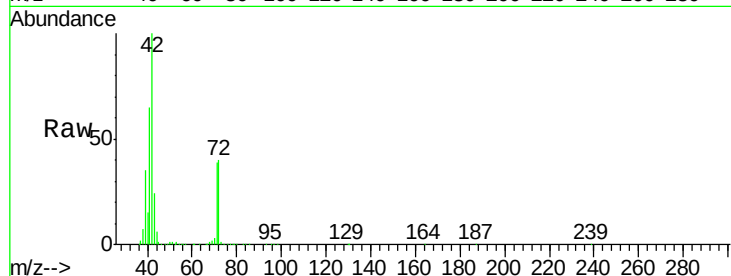




#41
Tetrahydrofuran
Concen: 10.903 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

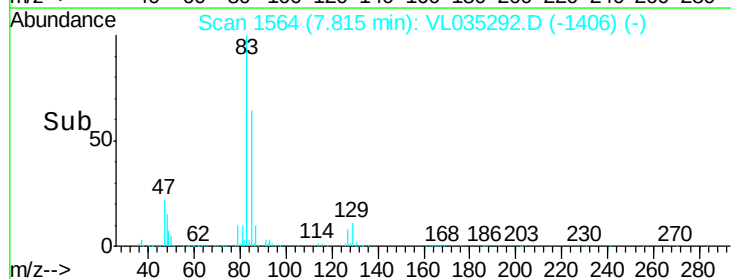
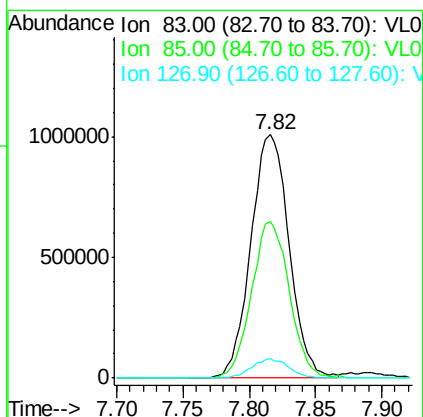
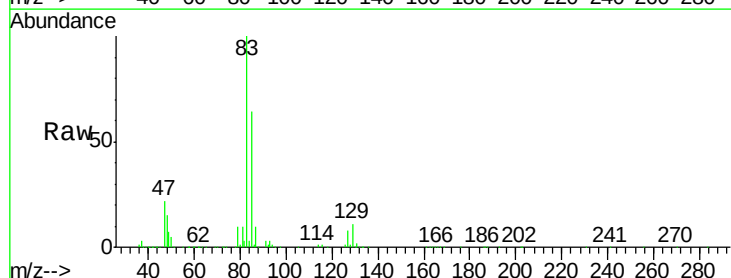
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

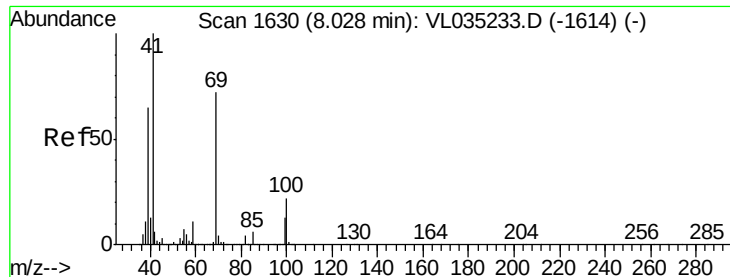
Tot Ion: 42 Resp: 823259
Ion Ratio Lower Upper
42 100
72 42.9 34.2 51.2
71 41.7 33.2 49.8



#42
Bromodichloromethane
Concen: 10.360 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

Tgt Ion: 83 Resp: 2034181
Ion Ratio Lower Upper
83 100
85 64.4 52.9 79.3
127 7.9 6.5 9.7





#43

Methyl Methacrylate

Concen: 11.267 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

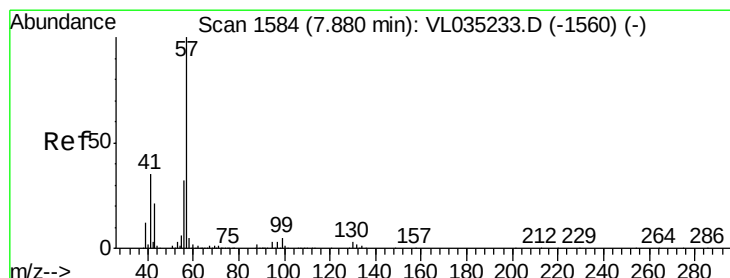
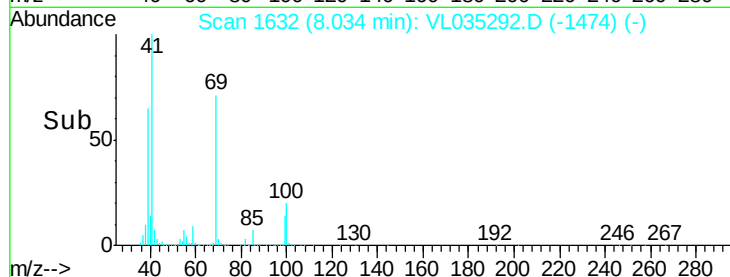
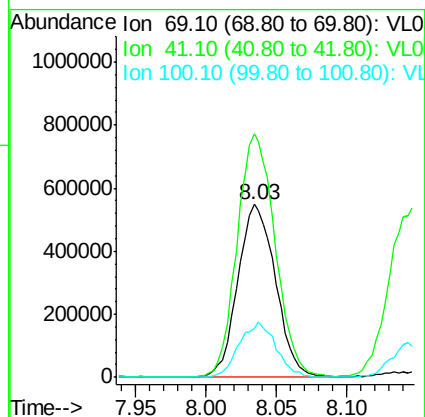
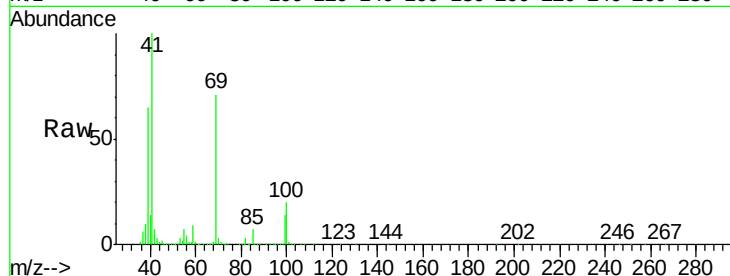
Tot Ion: 69 Resp: 1027312

Ion Ratio Lower Upper

69 100

41 142.3 113.0 169.4

100 31.4 25.3 37.9



#44

2,2,4-Trimethylpentane

Concen: 10.716 ppbv

RT: 7.89 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

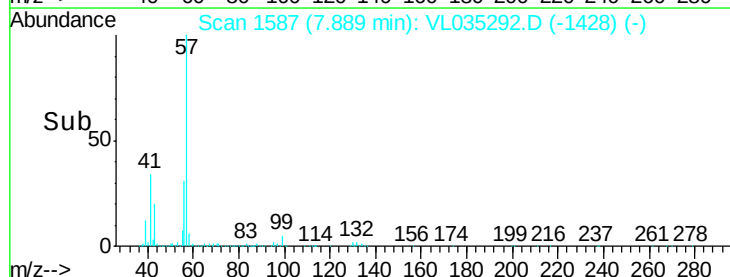
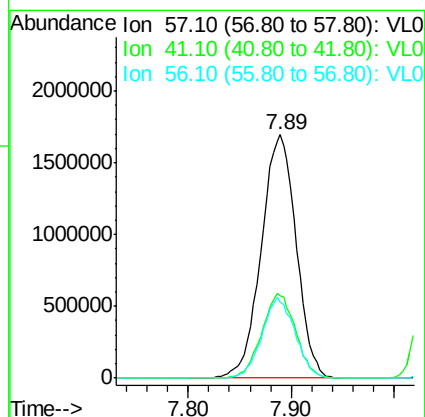
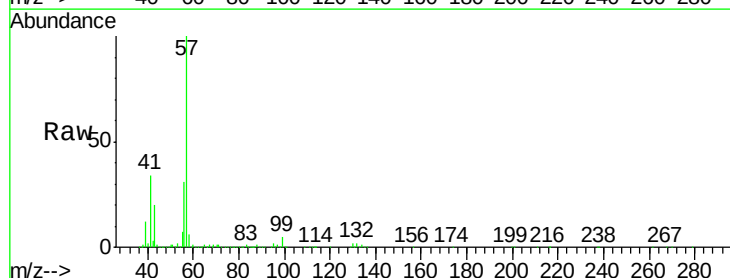
Tgt Ion: 57 Resp: 3973203

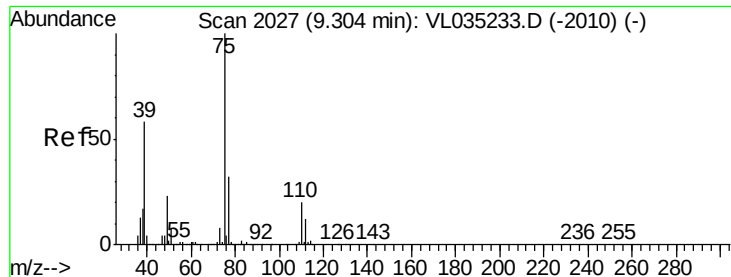
Ion Ratio Lower Upper

57 100

41 33.6 27.0 40.4

56 31.3 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 12.572 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

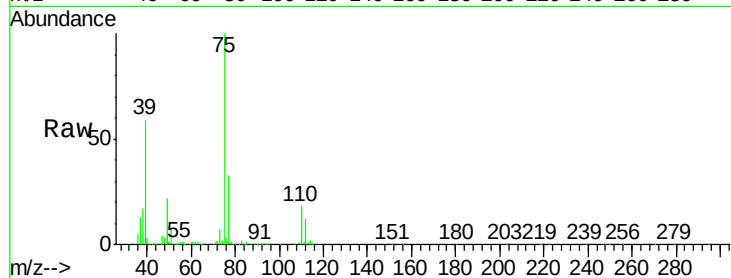
VSTDCCC010EC

Tot Ion: 75 Resp: 1154932

Ion Ratio Lower Upper

75 100

77 33.3 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

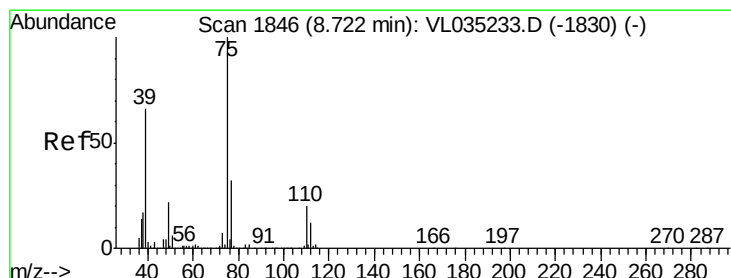
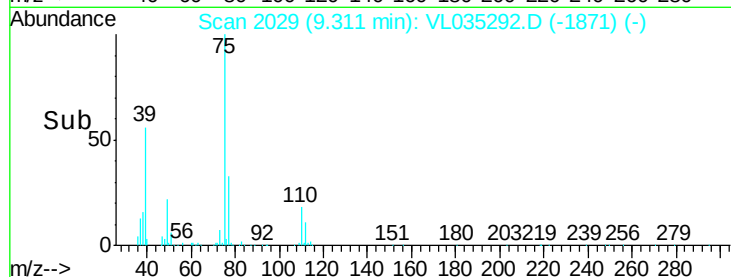
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.234 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

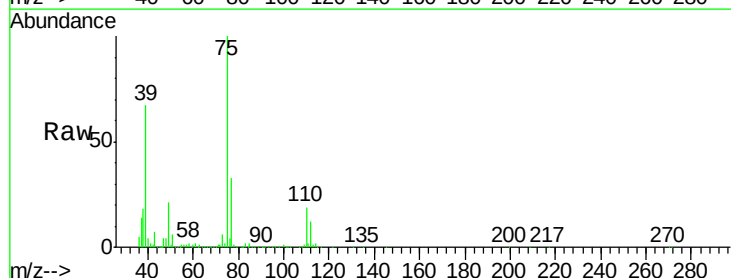
Tgt Ion: 75 Resp: 1369222

Ion Ratio Lower Upper

75 100

39 66.6 53.0 79.4

77 32.8 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

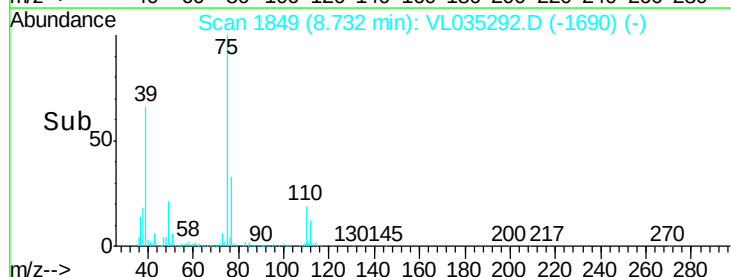
600000

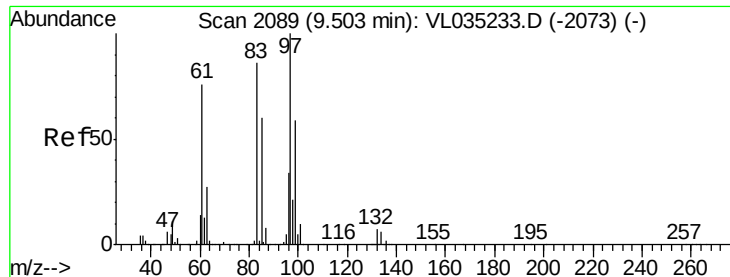
400000

200000

0

Time-->



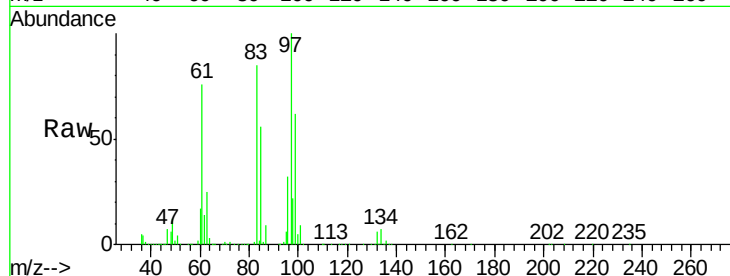


#47
 1,1,2-Trichloroethane
 Concen: 10.152 ppbv
 RT: 9.51 min Scan# 2091
 Delta R.T. 0.01 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1006876

Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.0	103.4
85	56.2	47.8	71.8
99	62.2	47.6	71.4

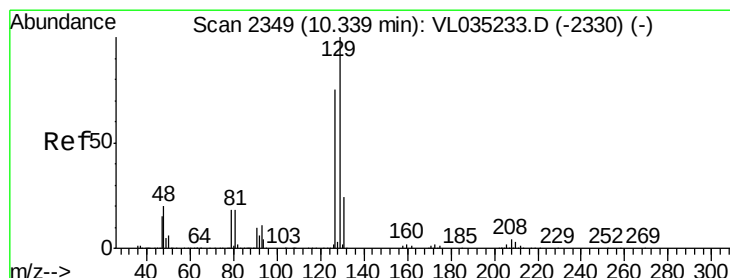
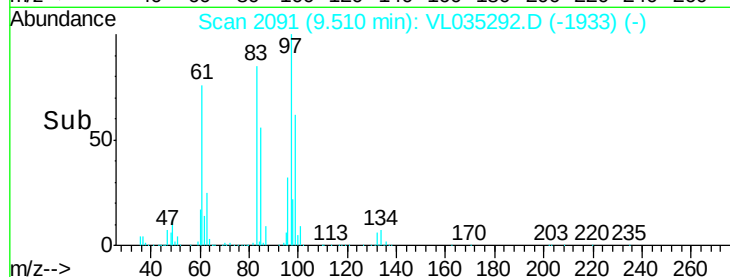
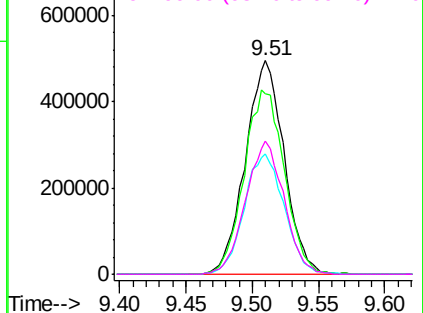


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

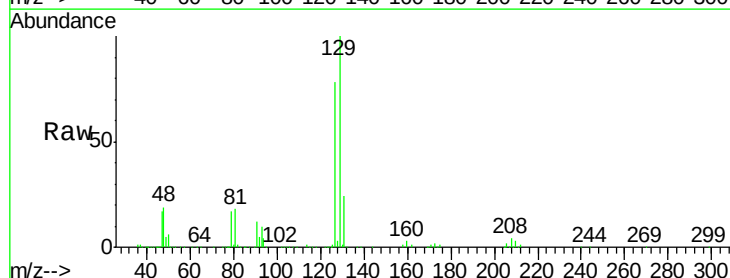
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.927 ppbv
 RT: 10.35 min Scan# 2351
 Delta R.T. 0.01 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

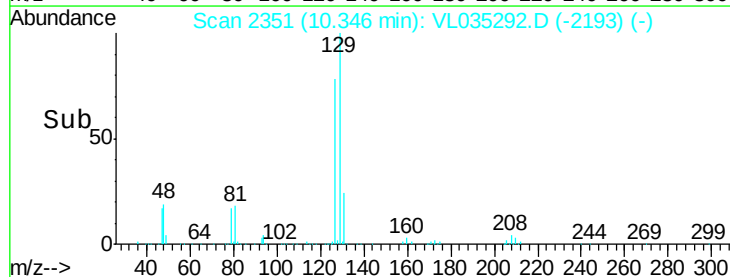
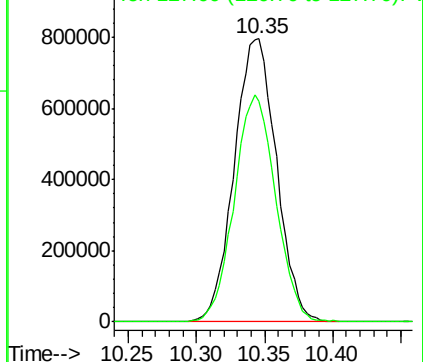
Tgt Ion: 129 Resp: 1706750

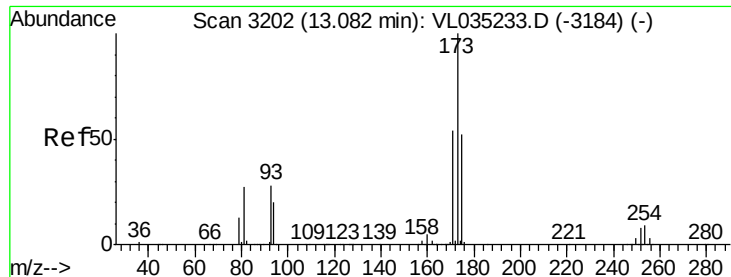
Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.6	119.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.202 ppbv

RT: 13.09 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

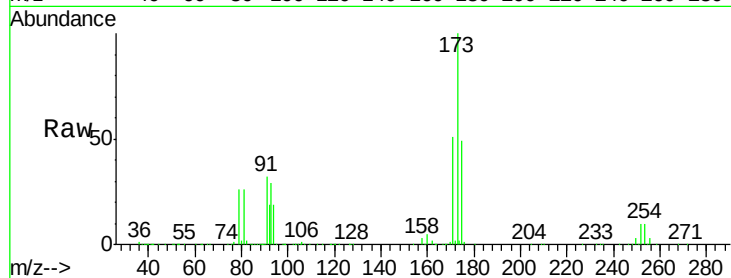
Tot Ion:173 Resp: 1573046

Ion Ratio Lower Upper

173 100

175 49.3 40.0 60.0

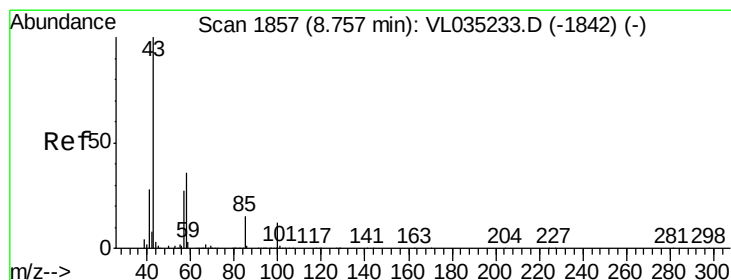
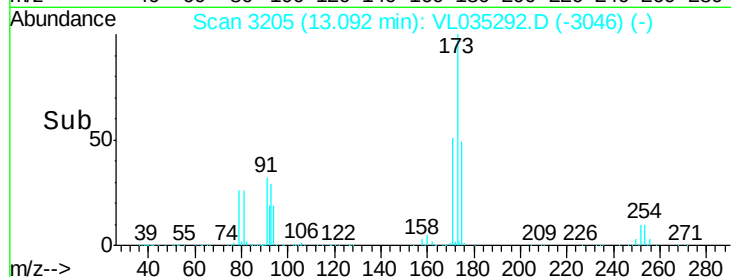
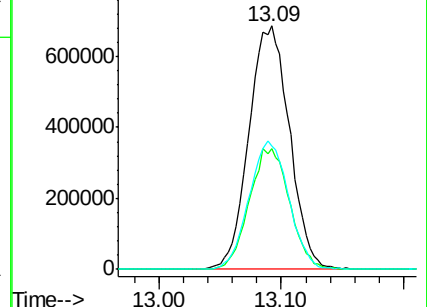
171 51.7 41.8 62.8



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: 10.860 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL035292.D

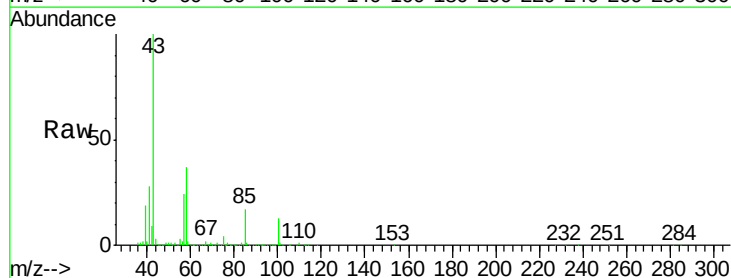
Acq: 30 Jul 2020 23:12

Tgt Ion: 43 Resp: 2424760

Ion Ratio Lower Upper

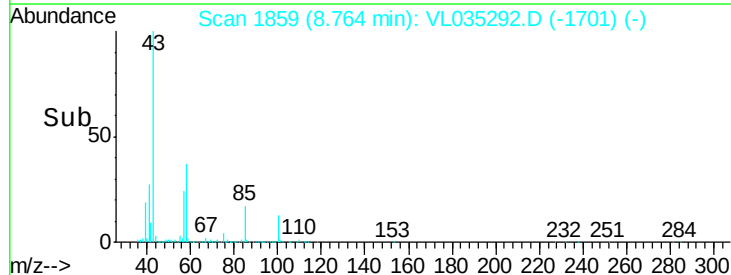
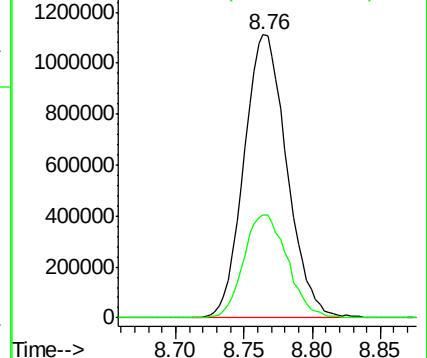
43 100

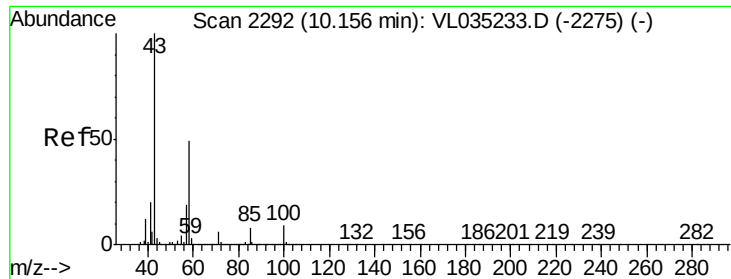
58 37.2 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

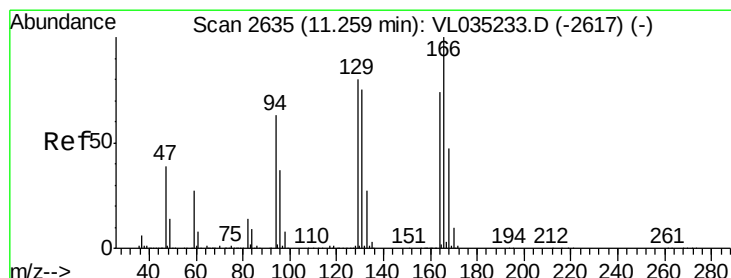
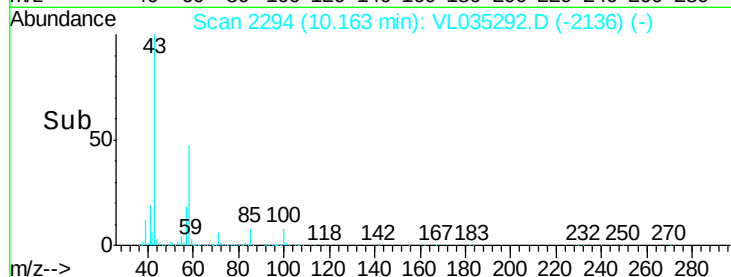
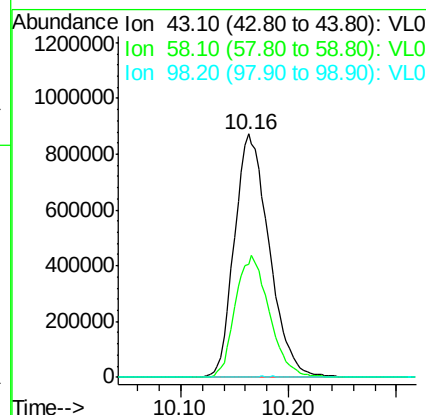
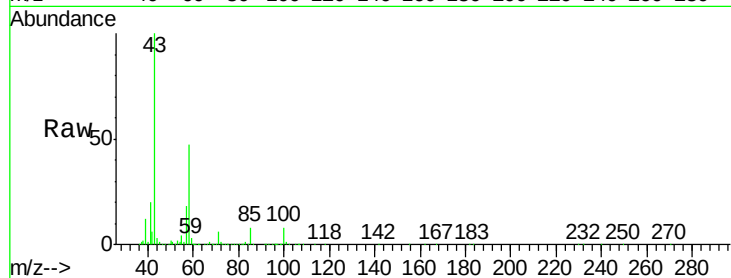




#51
2-Hexanone
Concen: 11.535 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

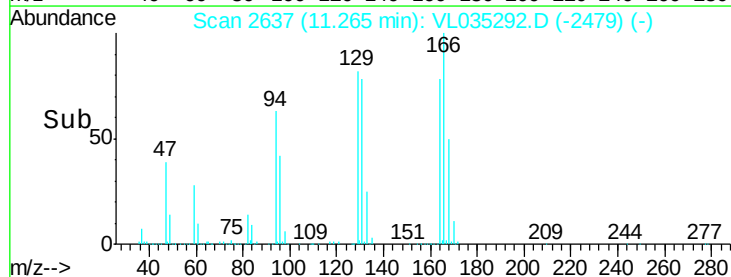
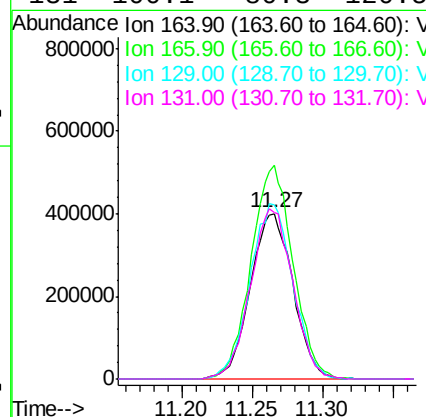
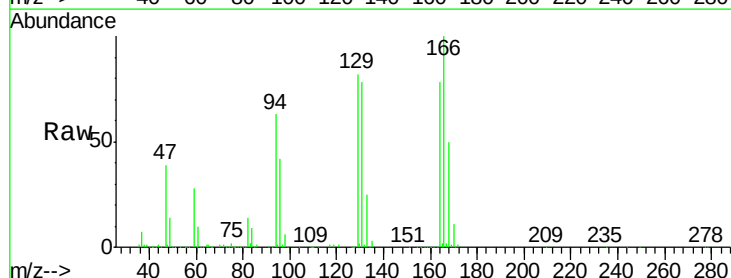
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

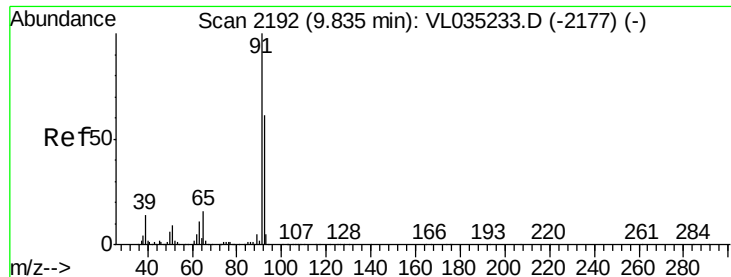
Tot Ion: 43 Resp: 1953047
Ion Ratio Lower Upper
43 100
58 49.3 38.8 58.2
98 0.3 0.6 0.8#



#52
Tetrachloroethene
Concen: 10.547 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

Tgt Ion: 164 Resp: 846815
Ion Ratio Lower Upper
164 100
166 128.8 107.5 161.3
129 105.1 86.0 129.0
131 100.1 80.3 120.5





#53

Toluene

Concen: 11.937 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

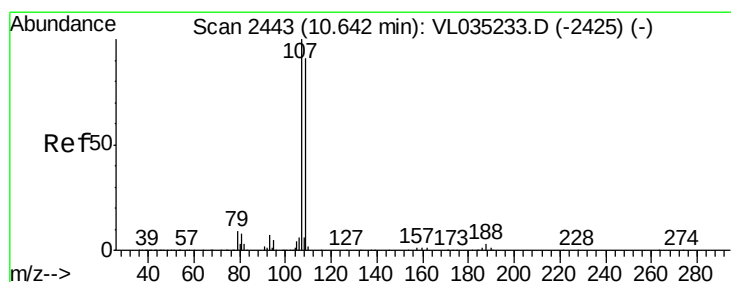
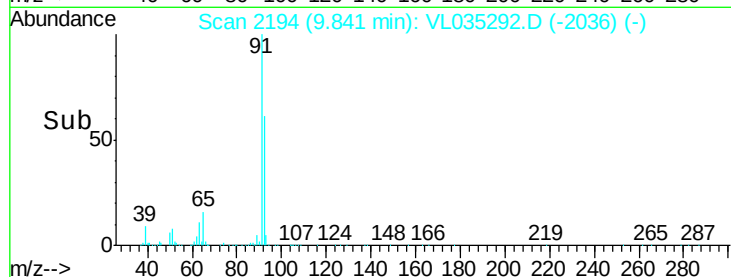
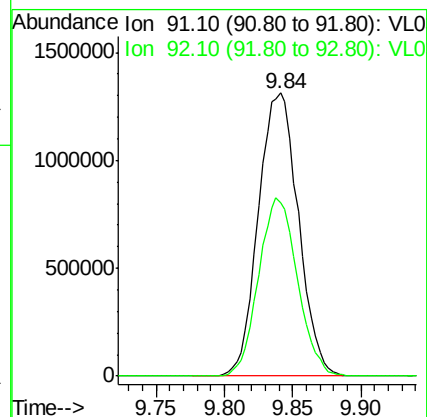
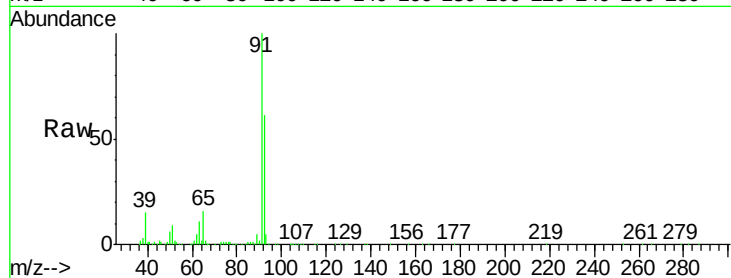
VSTDCCC010EC

Tot Ion: 91 Resp: 2669616

Ion Ratio Lower Upper

91 100

92 61.2 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.651 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. 0.01 min

Lab File: VL035292.D

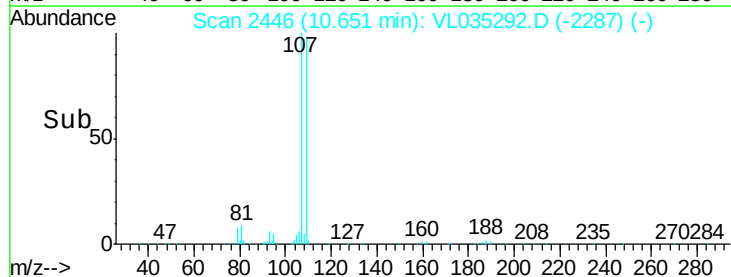
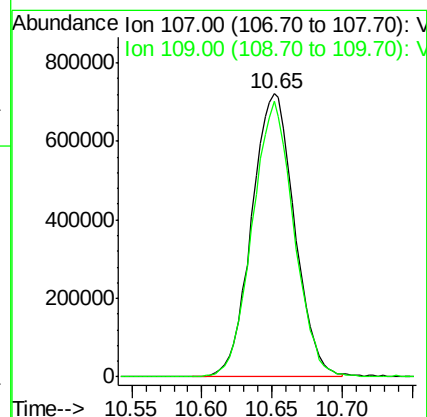
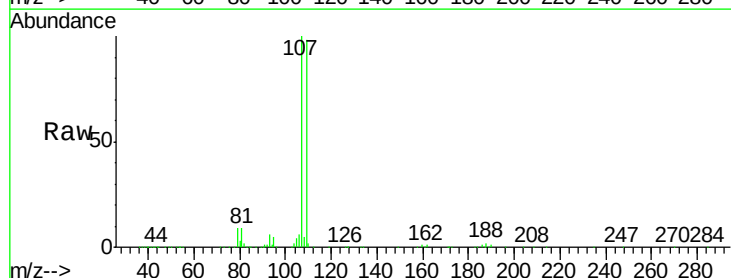
Acq: 30 Jul 2020 23:12

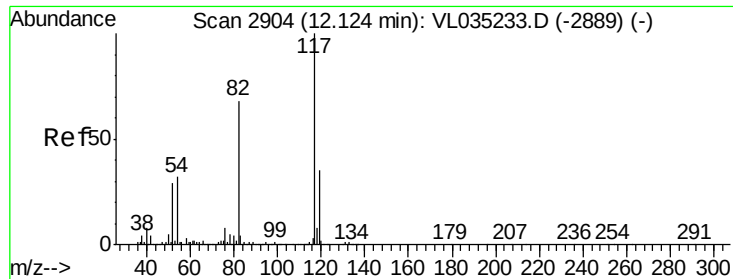
Tgt Ion: 107 Resp: 1527397

Ion Ratio Lower Upper

107 100

109 97.5 73.0 109.6

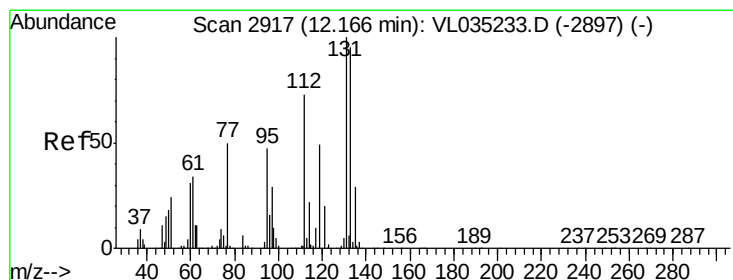
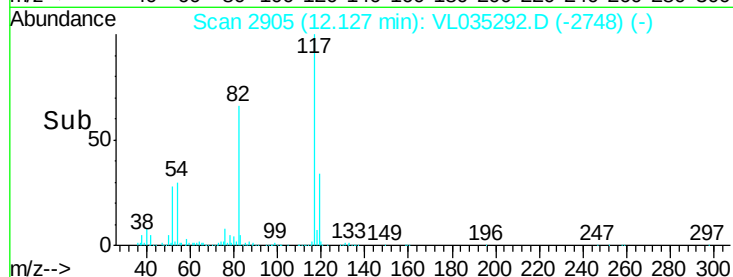
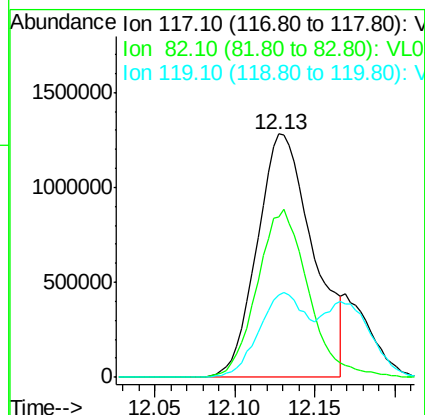
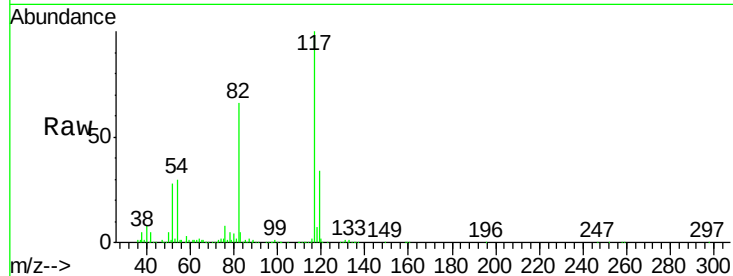




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

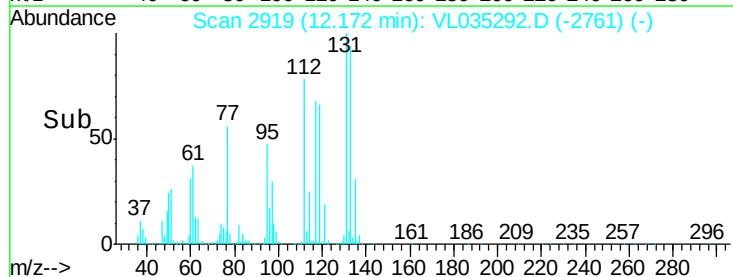
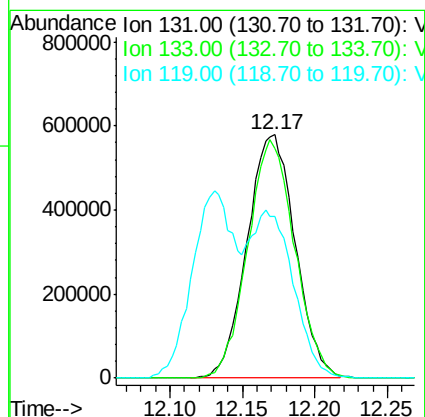
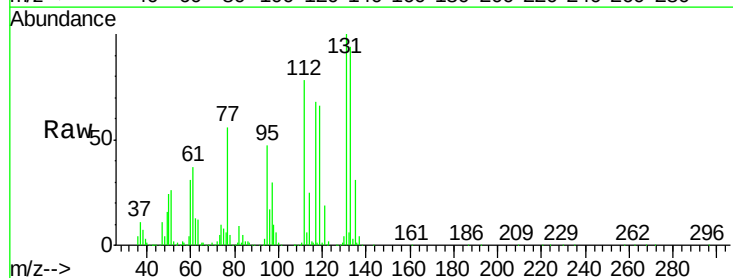
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

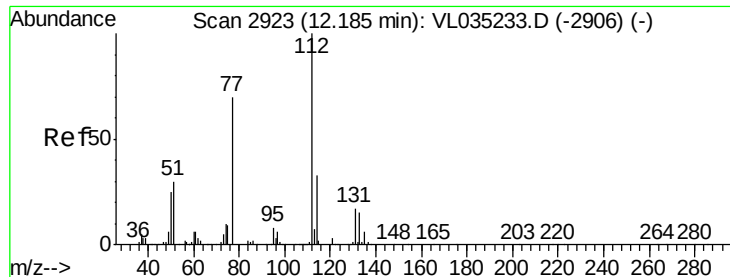
Tot Ion:117 Resp: 3096268
Ion Ratio Lower Upper
117 100
82 63.5 52.4 78.6
119 29.9 24.6 36.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.362 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.01 min
Lab File: VL035292.D
Acq: 30 Jul 2020 23:12

Tgt Ion:131 Resp: 1332791
Ion Ratio Lower Upper
131 100
133 96.0 76.1 114.1
119 63.0 44.3 66.5





#57

Chlorobenzene

Concen: 9.441 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

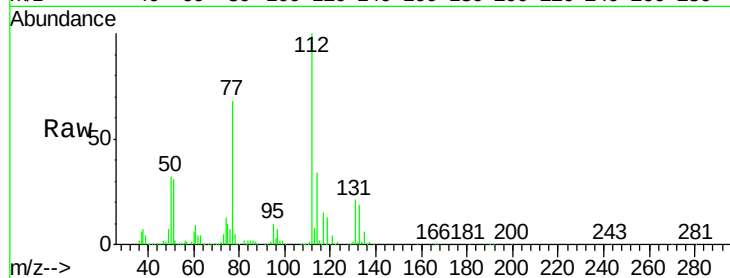
Tot Ion:112 Resp: 2199394

Ion Ratio Lower Upper

112 100

77 67.4 57.3 85.9

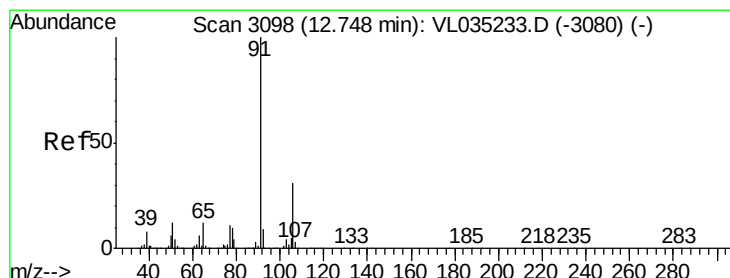
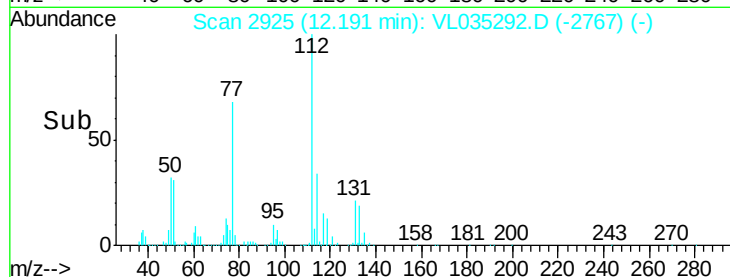
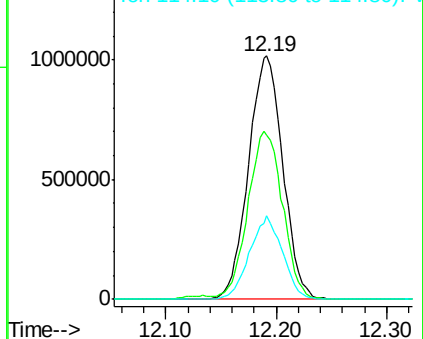
114 34.0 29.3 35.8



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: 11.318 ppbv

RT: 12.75 min Scan# 3100

Delta R.T. 0.01 min

Lab File: VL035292.D

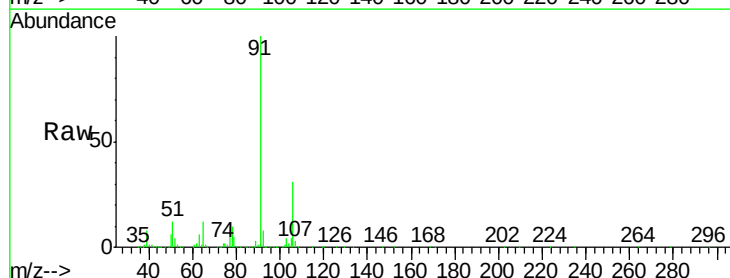
Acq: 30 Jul 2020 23:12

Tgt Ion: 91 Resp: 3711266

Ion Ratio Lower Upper

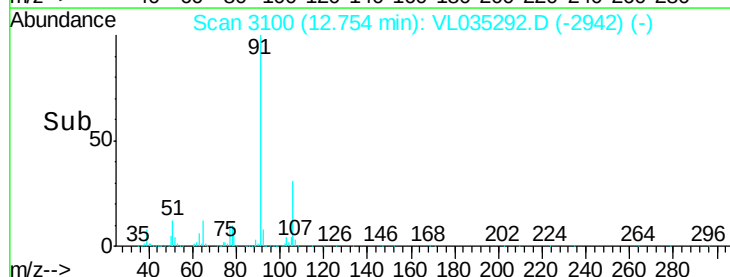
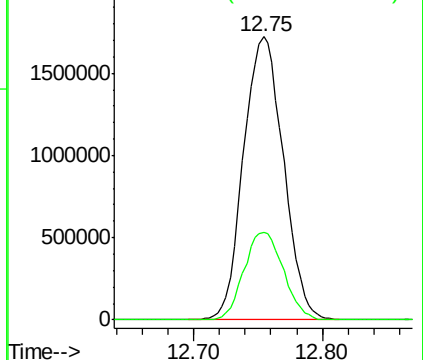
91 100

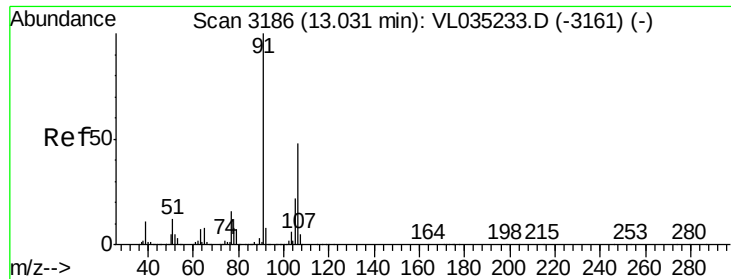
106 31.0 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 20.488 ppbv m

RT: 13.04 min Scan# 3189

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

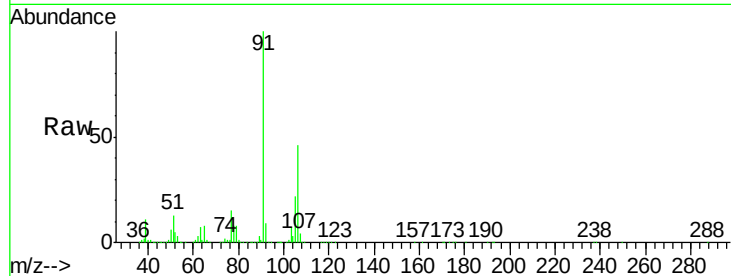
VSTDCCC010EC

Tot Ion: 91 Resp: 6254453

Ion Ratio Lower Upper

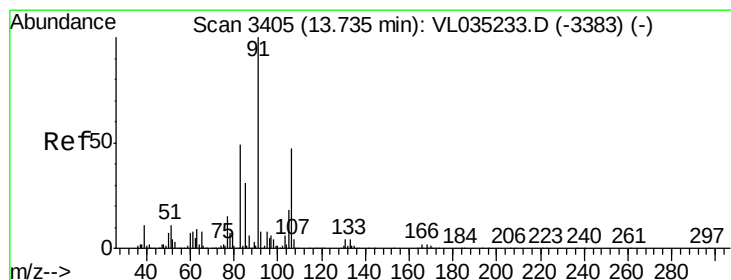
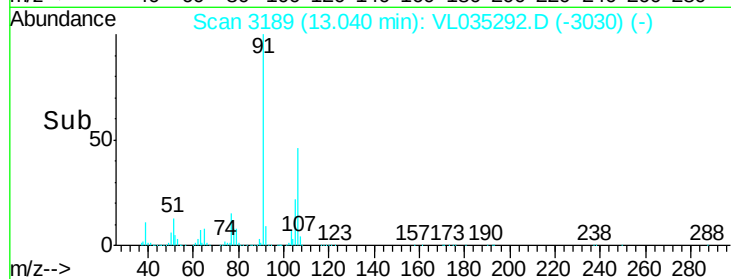
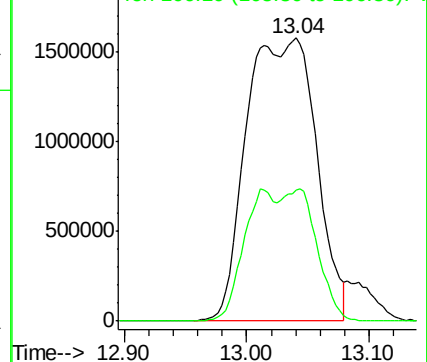
91 100

106 45.7 37.2 55.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.474 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. 0.00 min

Lab File: VL035292.D

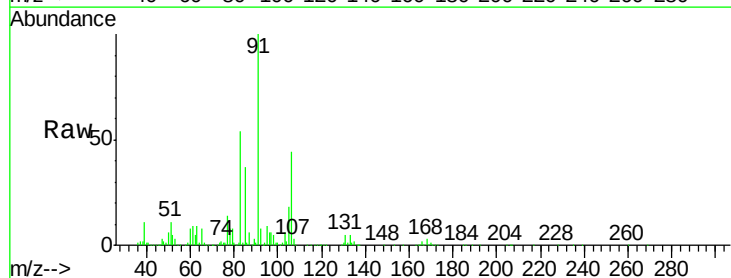
Acq: 30 Jul 2020 23:12

Tgt Ion: 91 Resp: 3190275

Ion Ratio Lower Upper

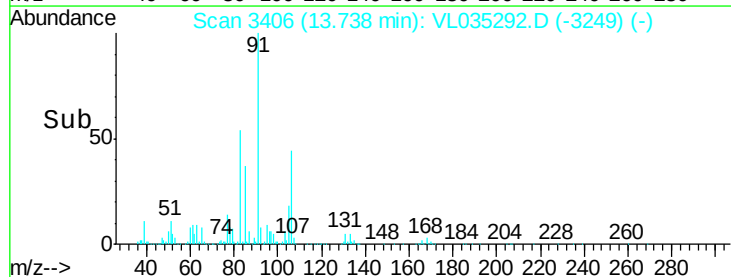
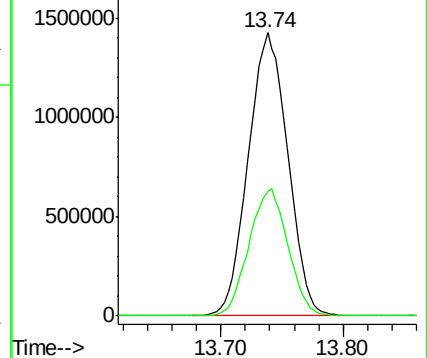
91 100

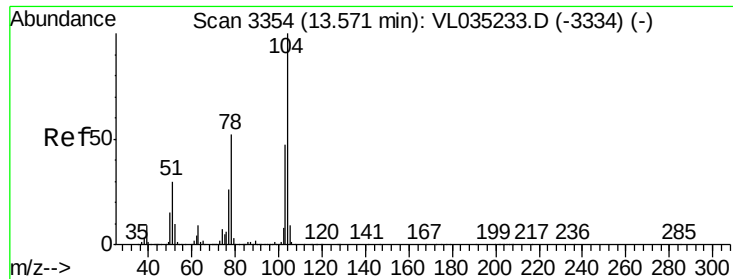
106 44.2 22.4 67.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 11.747 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

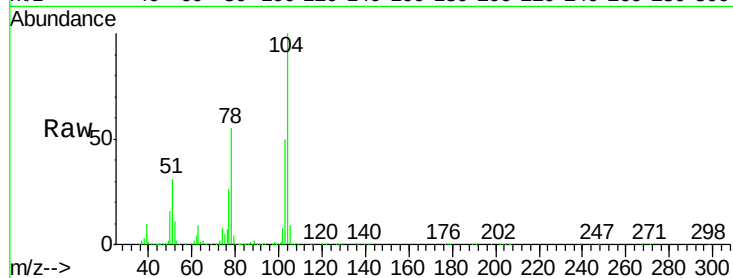
Tot Ion:104 Resp: 2171757

Ion Ratio Lower Upper

104 100

78 54.3 43.3 64.9

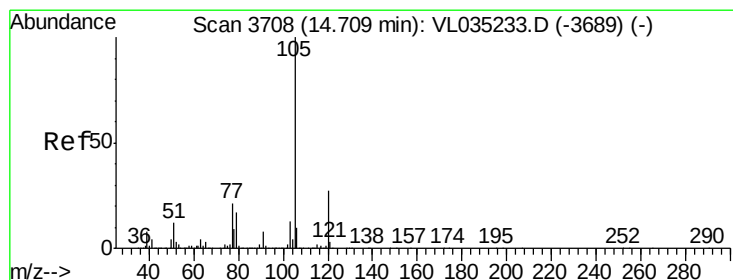
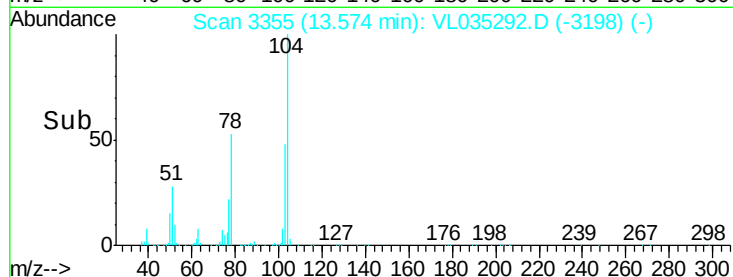
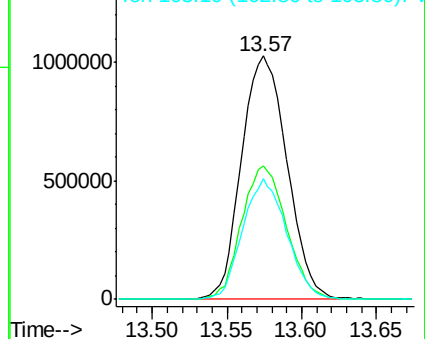
103 48.0 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.269 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. 0.01 min

Lab File: VL035292.D

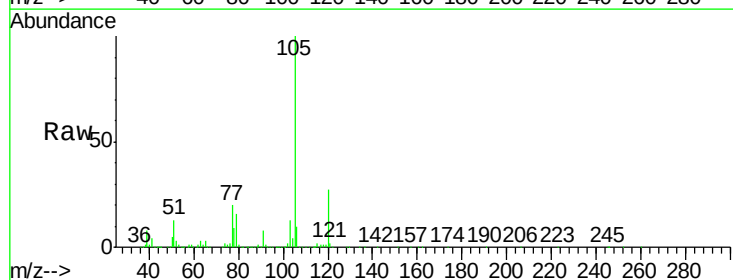
Acq: 30 Jul 2020 23:12

Tgt Ion:105 Resp: 4655351

Ion Ratio Lower Upper

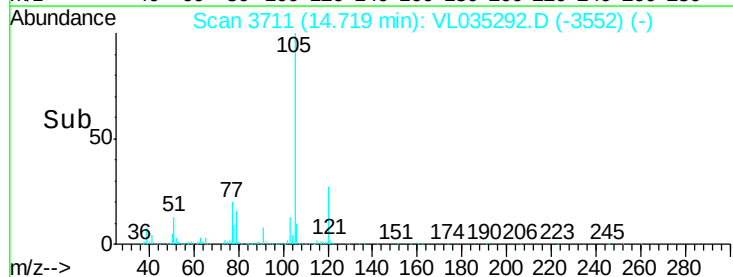
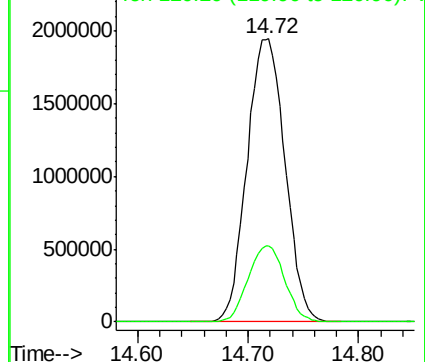
105 100

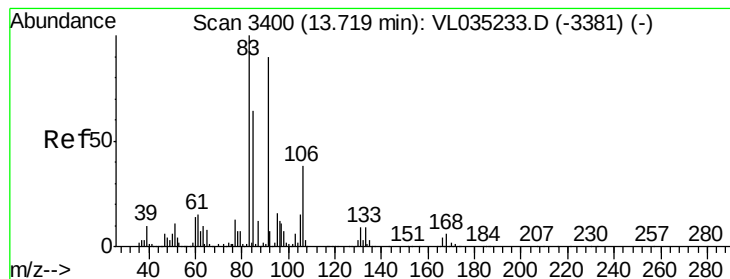
120 26.0 20.8 31.2



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: 8.991 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

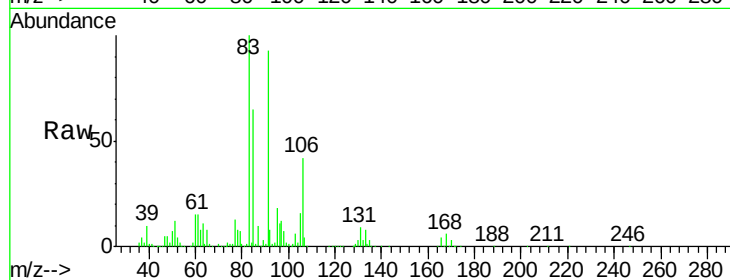
Tot Ion: 83 Resp: 2356438

Ion Ratio Lower Upper

83 100

131 9.0 4.6 13.8

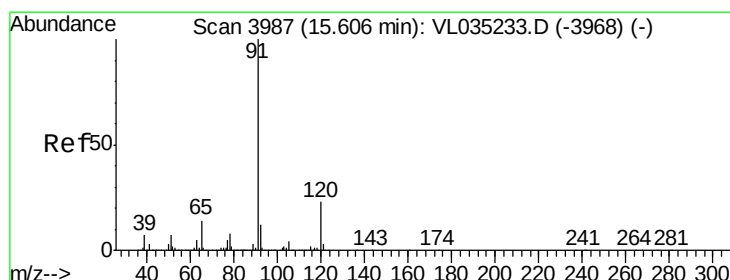
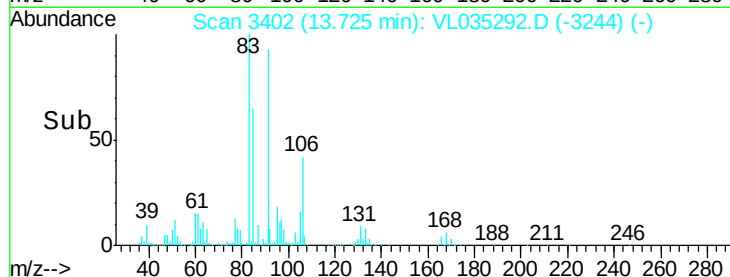
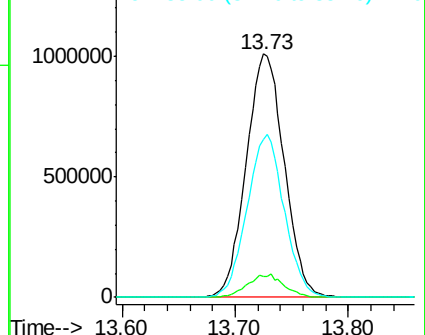
85 65.5 32.7 98.1



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: 10.364 ppbv

RT: 15.61 min Scan# 3989

Delta R.T. 0.01 min

Lab File: VL035292.D

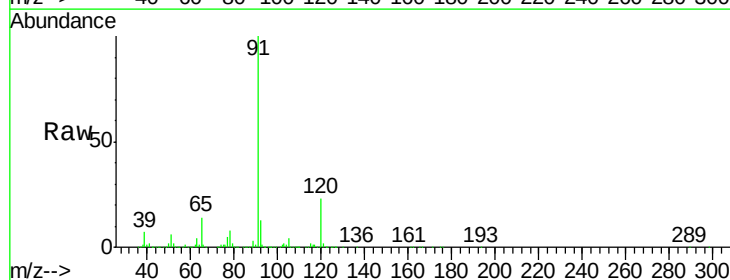
Acq: 30 Jul 2020 23:12

Tgt Ion:120 Resp: 1249316

Ion Ratio Lower Upper

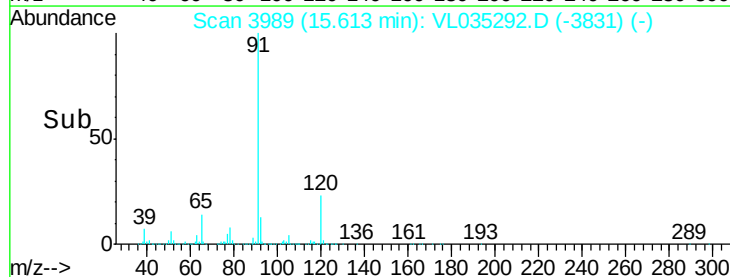
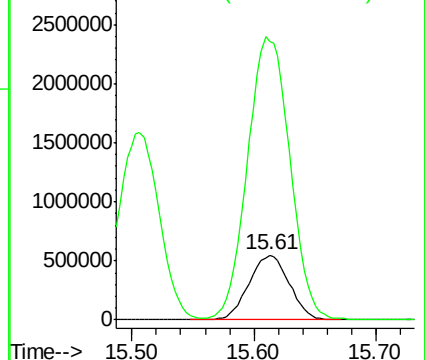
120 100

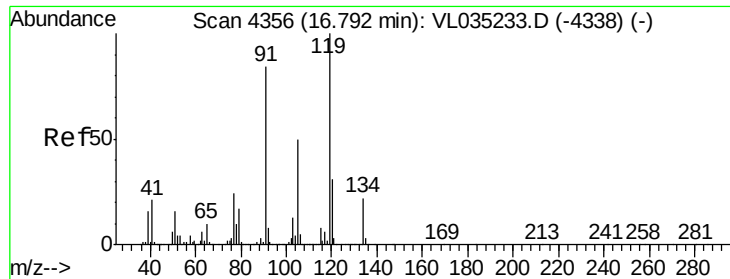
91 461.5 367.5 551.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

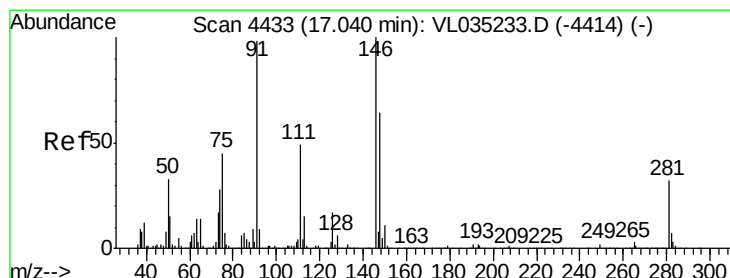
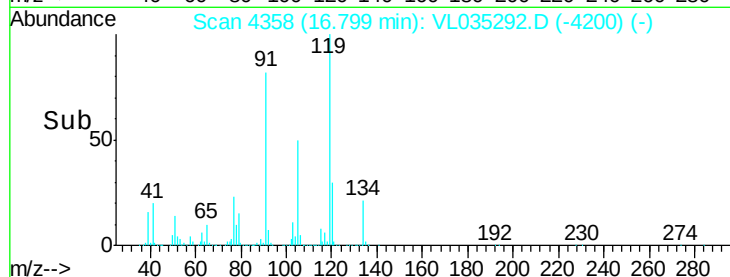
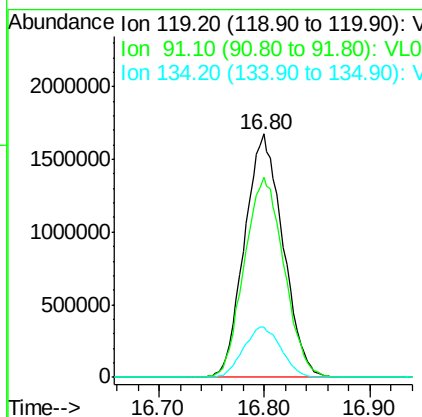
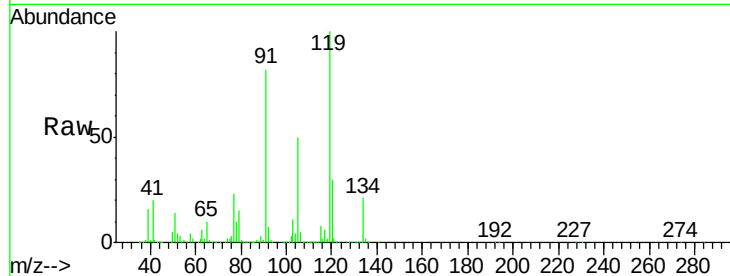




#65
 tert-Butylbenzene
 Concen: 10.321 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.01 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

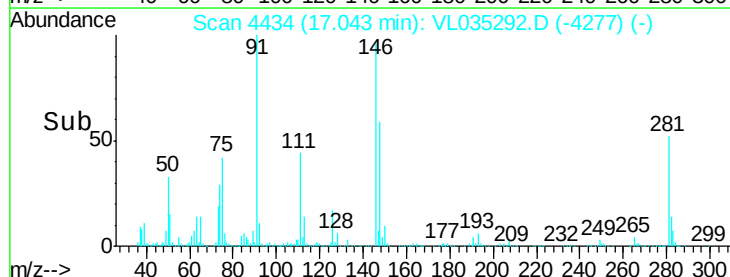
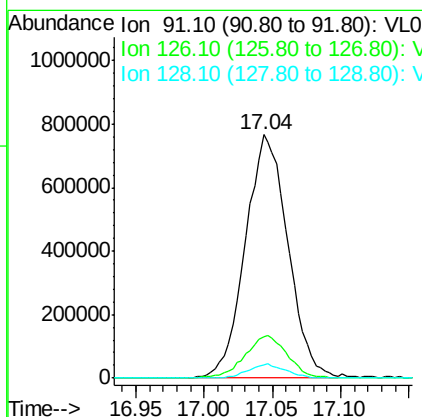
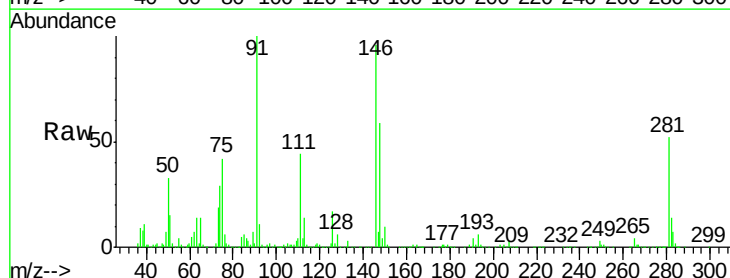
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

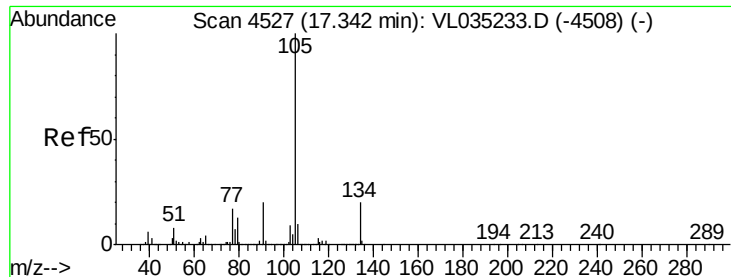
Tot Ion:119 Resp: 4238626
 Ion Ratio Lower Upper
 119 100
 91 85.0 68.0 102.0
 134 20.3 16.3 24.5



#66
 Benzyl Chloride
 Concen: 10.271 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.00 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

Tgt Ion: 91 Resp: 1652205
 Ion Ratio Lower Upper
 91 100
 126 17.6 14.1 21.1
 128 5.3 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.984 ppbv

RT: 17.35 min Scan# 4529

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

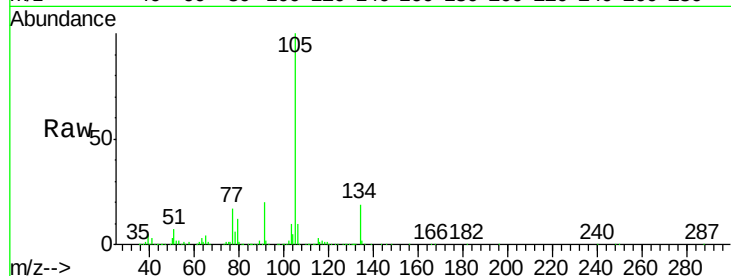
VSTDCCC010EC

Tot Ion:105 Resp: 5991581

Ion Ratio Lower Upper

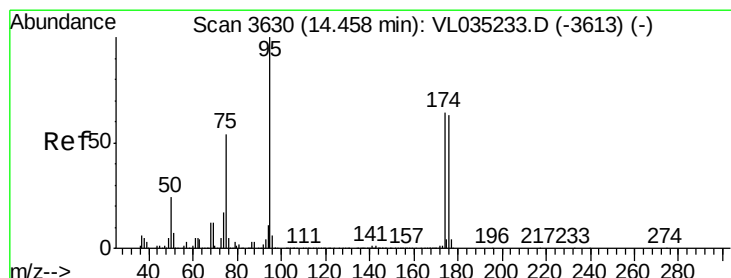
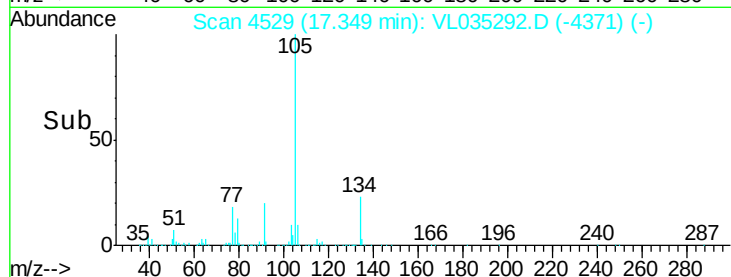
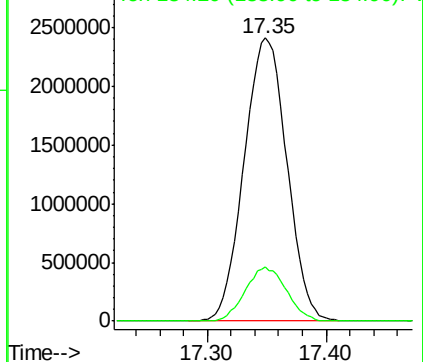
105 100

134 18.5 15.0 22.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.645 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

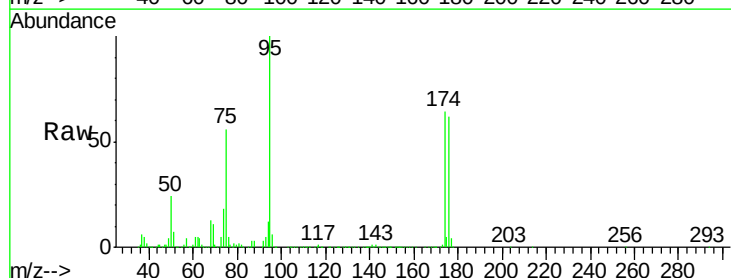
Tgt Ion: 95 Resp: 2386285

Ion Ratio Lower Upper

95 100

174 66.0 52.7 79.1

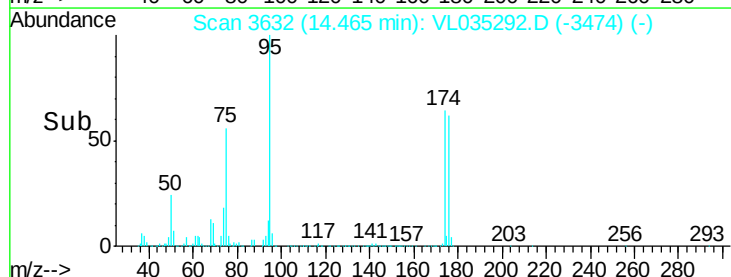
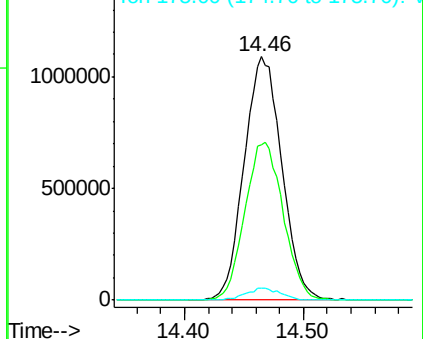
175 4.8 3.9 5.9

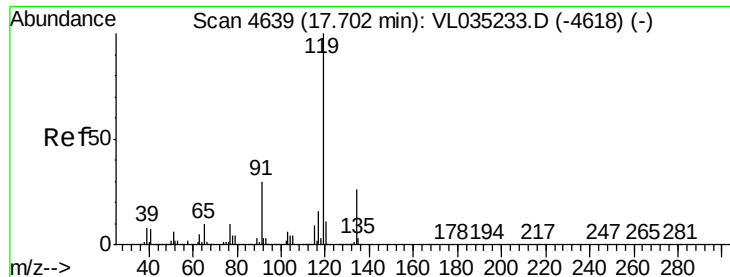


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

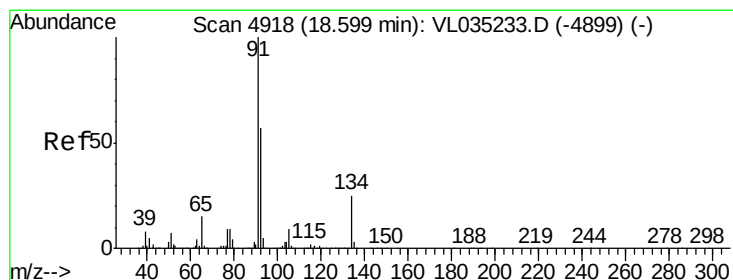
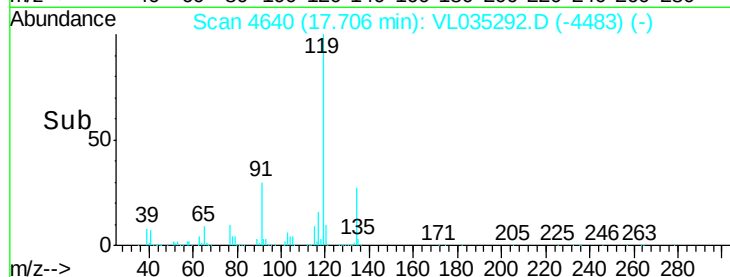
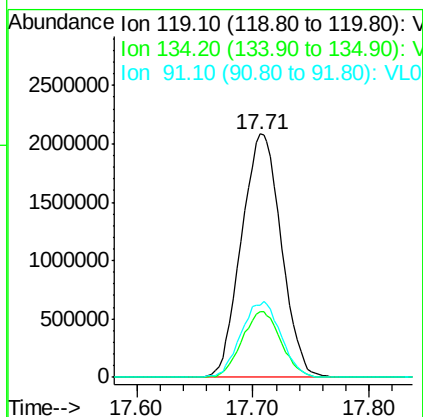
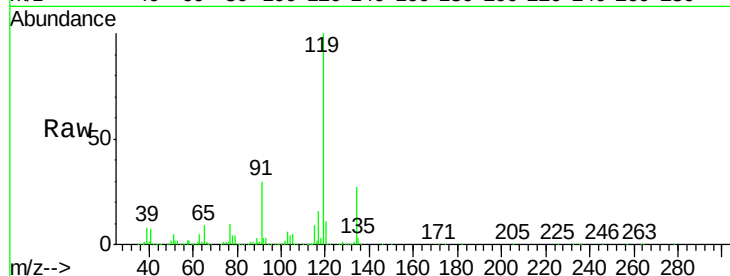




#69
 p-Isopropyltoluene
 Concen: 10.179 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. 0.00 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

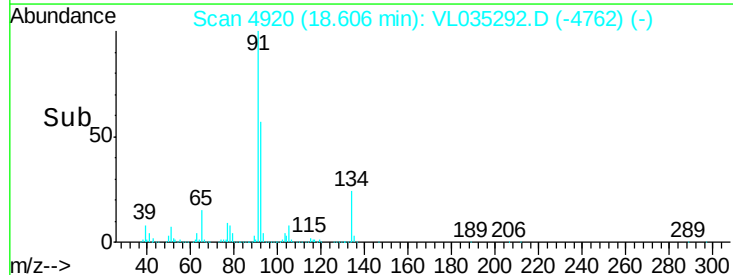
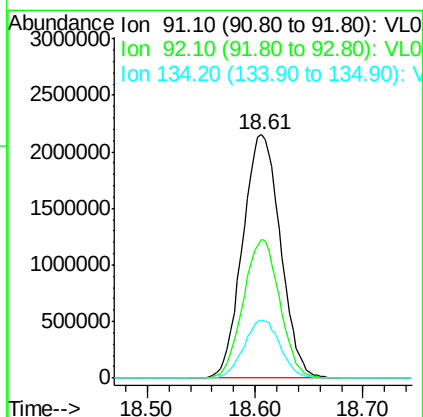
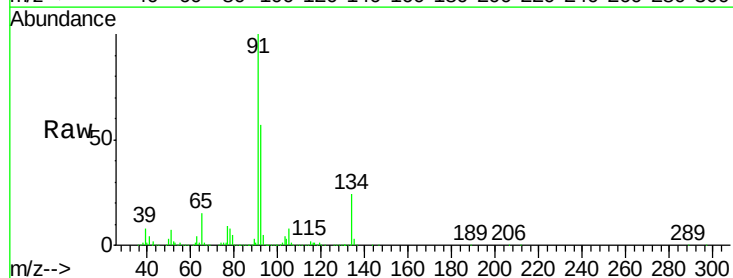
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

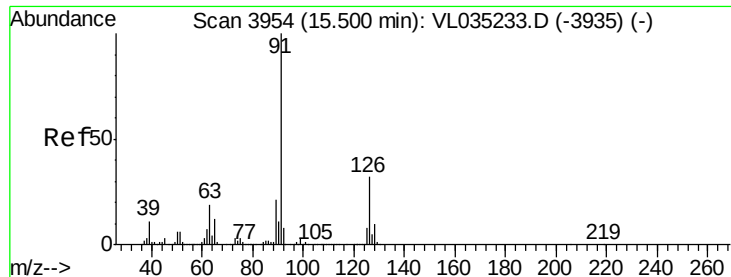
Tot Ion:119 Resp: 4982959
 Ion Ratio Lower Upper
 119 100
 134 26.3 20.8 31.2
 91 31.2 24.7 37.1



#70
 n-Butylbenzene
 Concen: 9.878 ppbv
 RT: 18.61 min Scan# 4920
 Delta R.T. 0.01 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

Tgt Ion: 91 Resp: 5231349
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.9 67.3
 134 22.9 18.6 28.0





#71

2-Chlorotoluene

Concen: 10.660 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

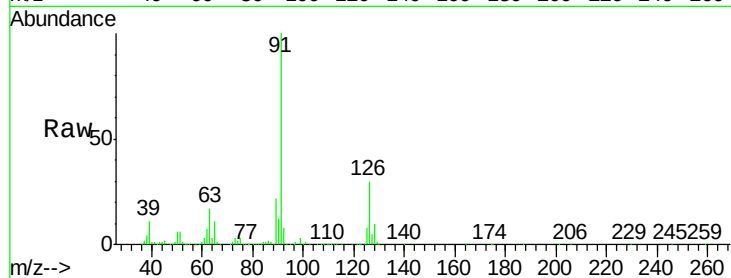
VSTDCCC010EC

Tot Ion: 91 Resp: 3644151

Ion Ratio Lower Upper

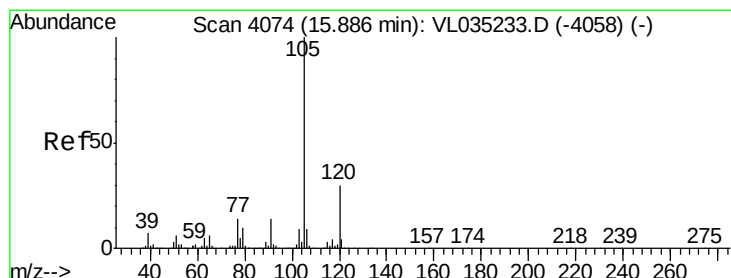
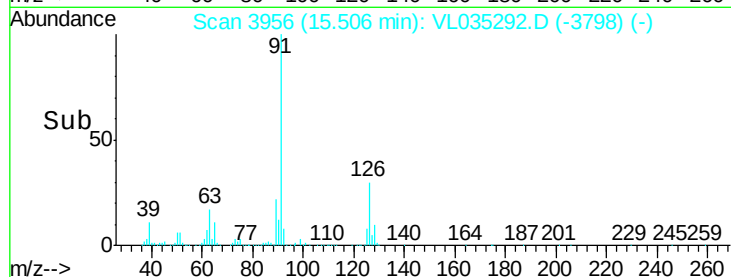
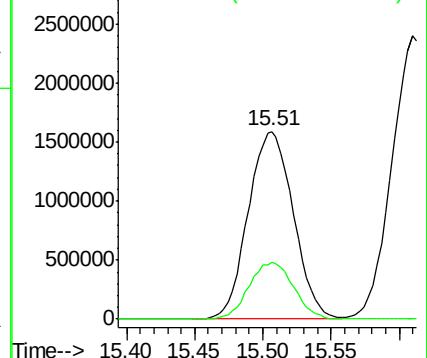
91 100

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: 10.878 ppbv

RT: 15.89 min Scan# 4075

Delta R.T. 0.00 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Tgt Ion: 105 Resp: 3729453

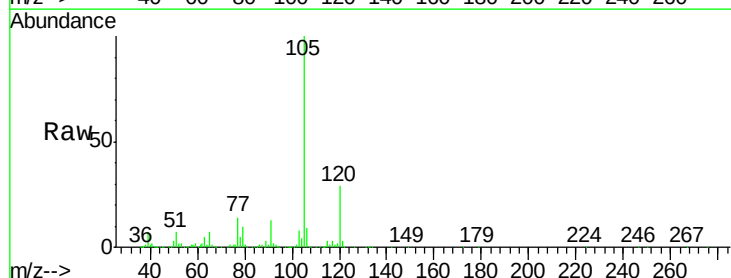
Ion Ratio Lower Upper

105 100

120 30.0 23.6 35.4

91 13.5 11.0 16.6

77 14.5 11.7 17.5

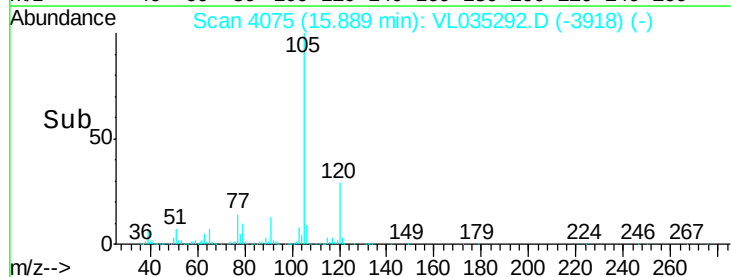
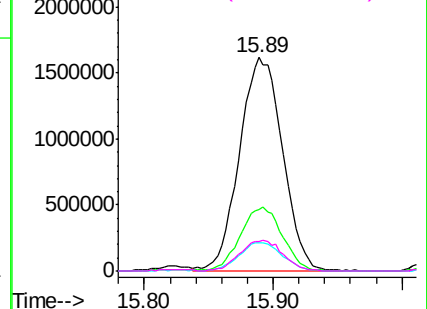


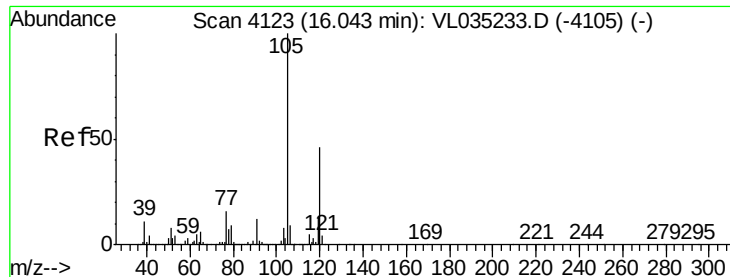
Abundance Ion 105.10 (104.80 to 105.80): V

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: 10.544 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

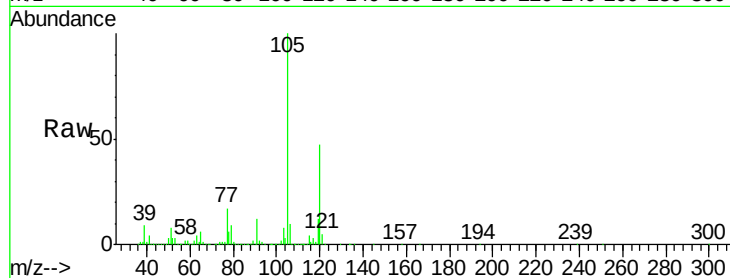
VSTDCCC010EC

Tot Ion:105 Resp: 3525371

Ion Ratio Lower Upper

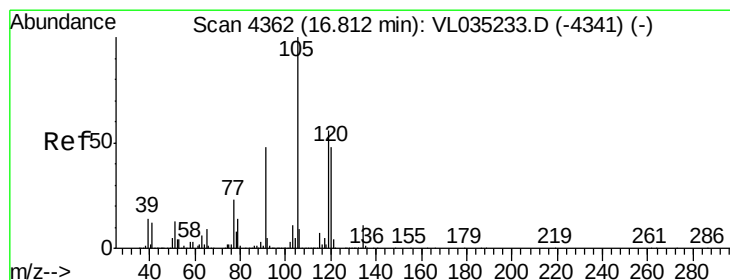
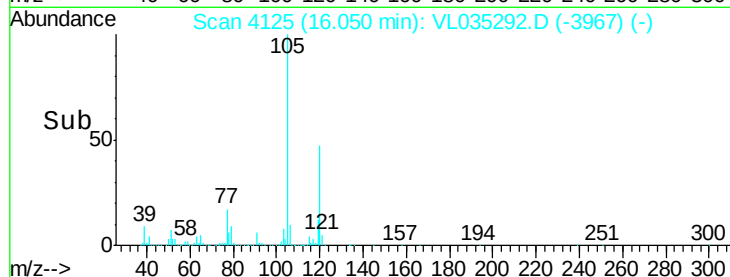
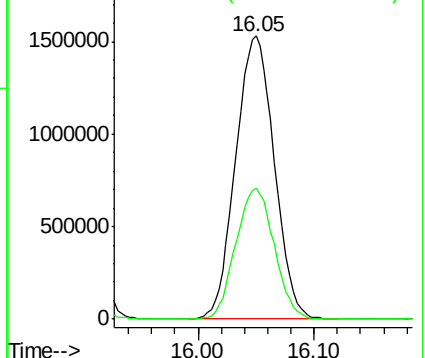
105 100

120 46.5 36.8 55.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.643 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Tgt Ion:105 Resp: 3753209

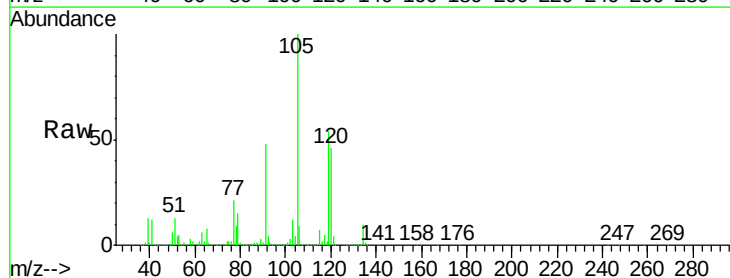
Ion Ratio Lower Upper

105 100

120 46.3 38.8 58.2

91 47.9 38.9 58.3

77 21.4 18.4 27.6

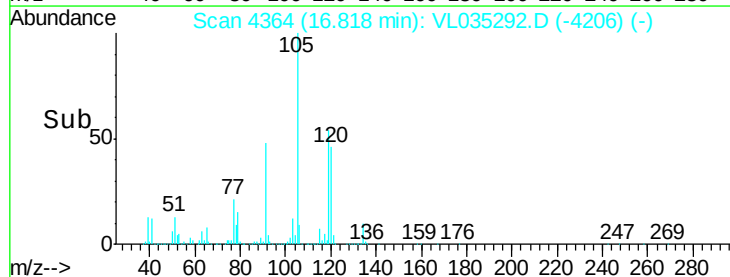
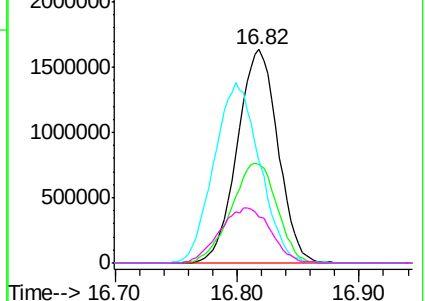


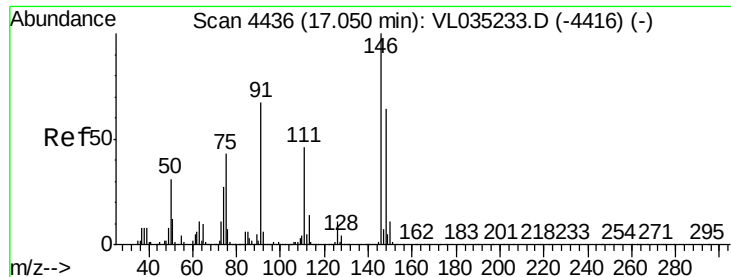
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

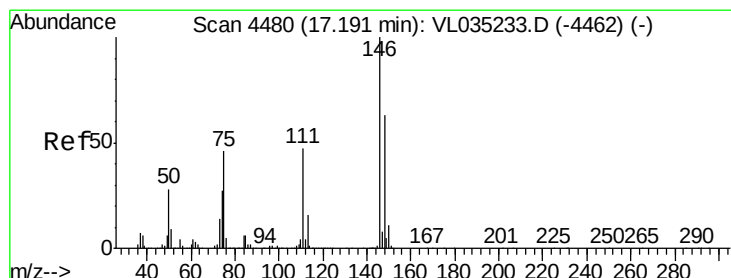
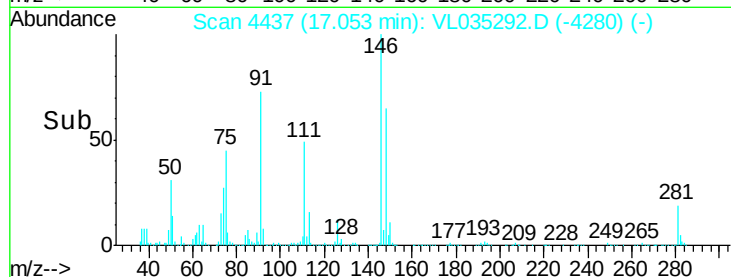
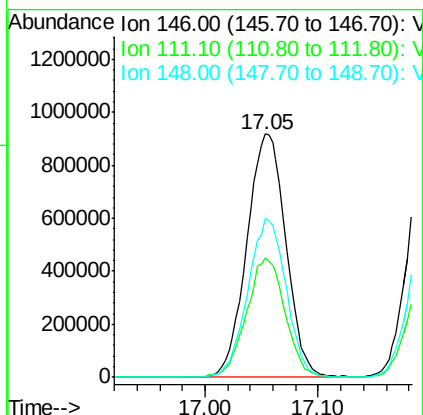
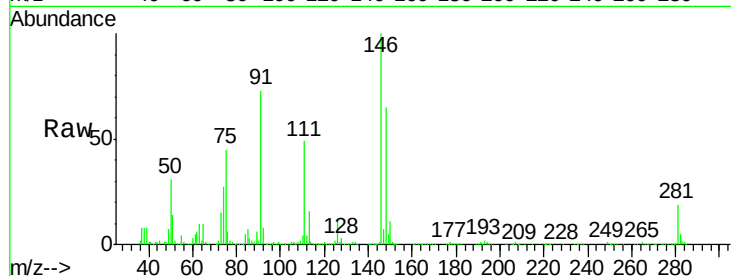




#75
 1,3-Dichlorobenzene
 Concen: 8.740 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. 0.00 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

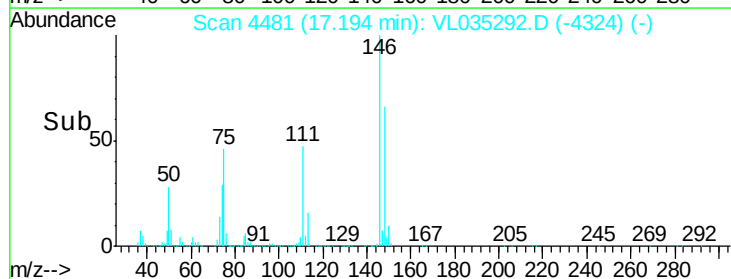
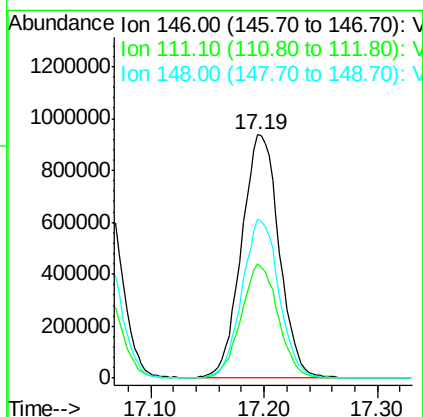
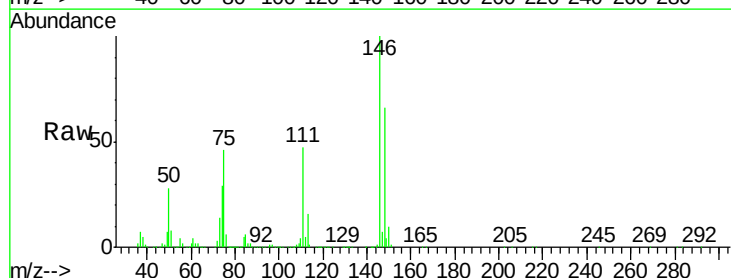
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

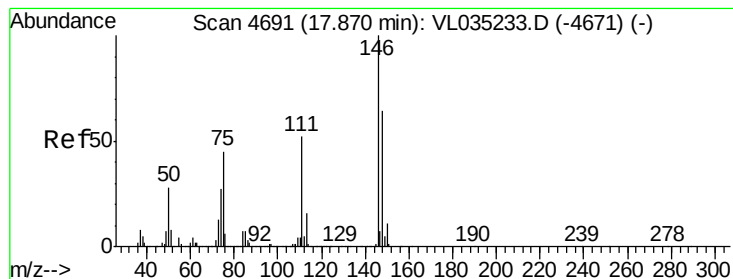
Tot Ion:146 Resp: 2196353
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.4 73.4
 148 64.1 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 9.472 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.00 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

Tgt Ion:146 Resp: 2153182
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.4 70.2
 148 65.0 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 9.291 ppbv

RT: 17.88 min Scan# 4693

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

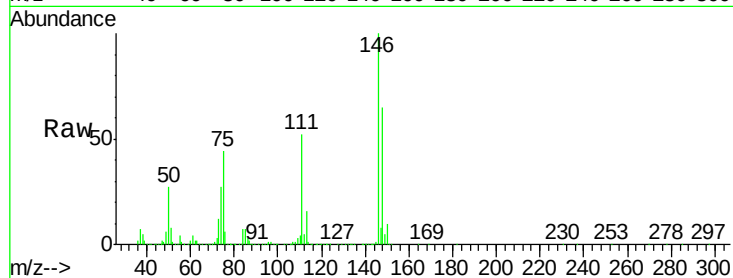
Tot Ion:146 Resp: 2091401

Ion Ratio Lower Upper

146 100

111 49.3 24.6 73.8

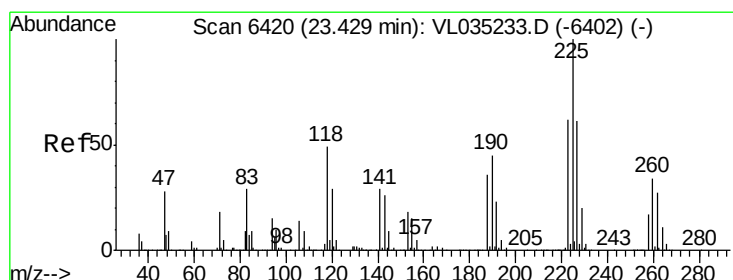
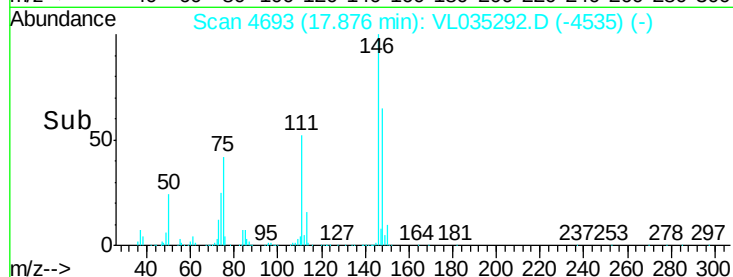
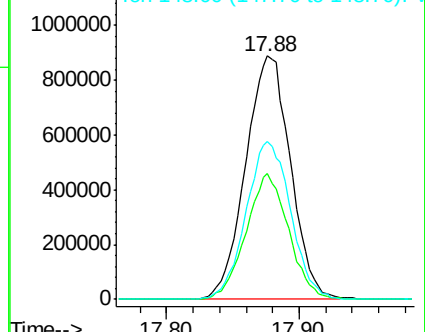
148 64.8 32.0 96.0



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: 8.130 ppbv

RT: 23.44 min Scan# 6422

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

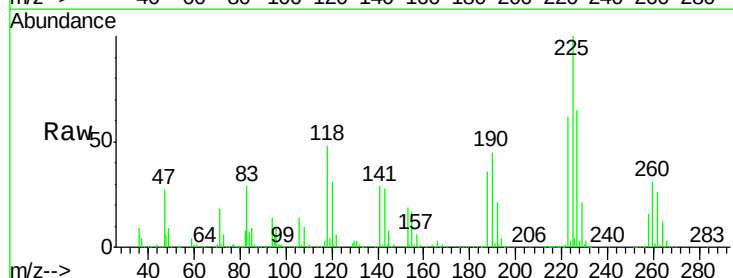
Tgt Ion:225 Resp: 1497936

Ion Ratio Lower Upper

225 100

223 64.0 51.3 76.9

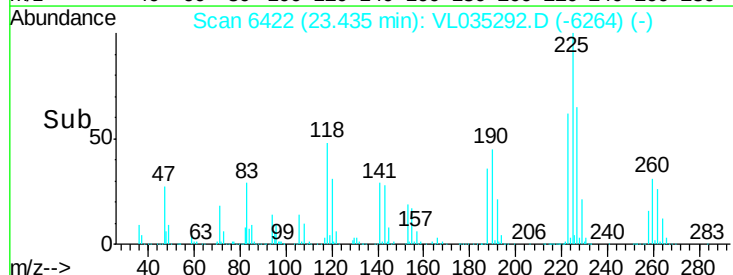
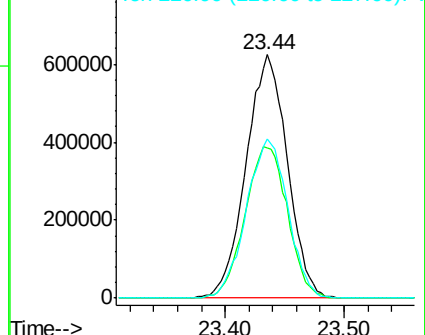
227 65.7 51.4 77.2

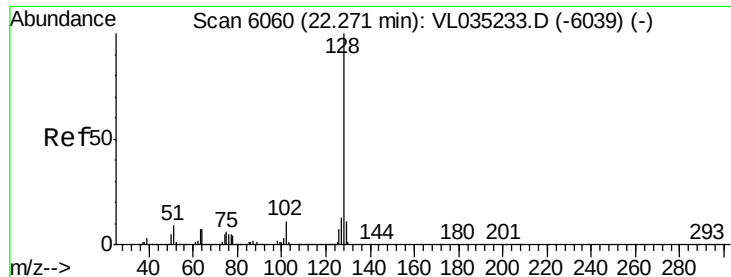


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.371 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. 0.00 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

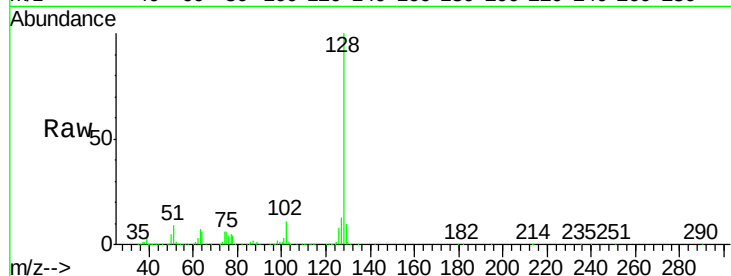
Tot Ion:128 Resp: 3209808

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

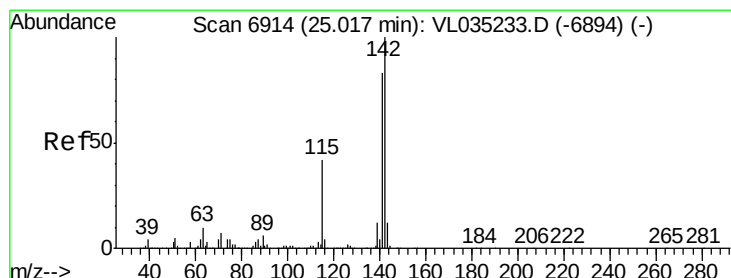
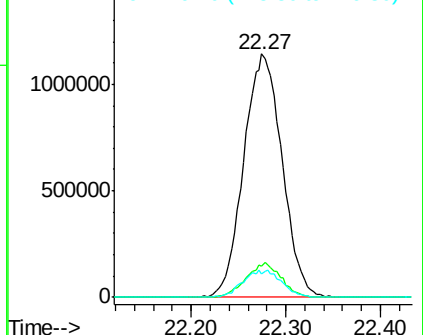
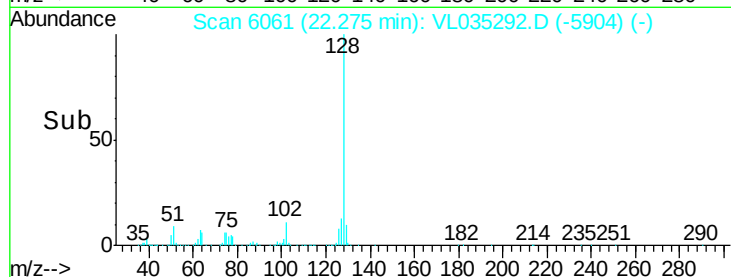
129 9.6 8.5 12.7



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: 9.720 ppbv

RT: 25.02 min Scan# 6916

Delta R.T. 0.01 min

Lab File: VL035292.D

Acq: 30 Jul 2020 23:12

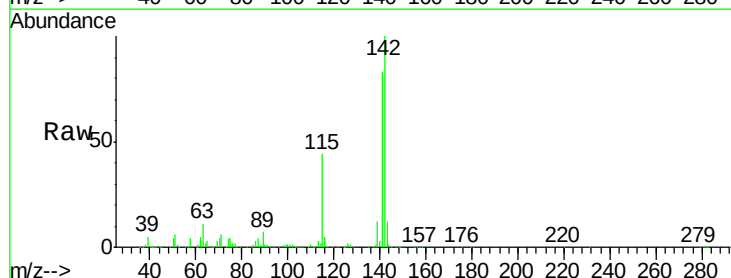
Tgt Ion:142 Resp: 973589

Ion Ratio Lower Upper

142 100

141 83.4 68.6 103.0

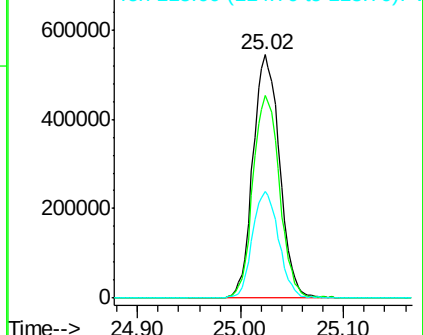
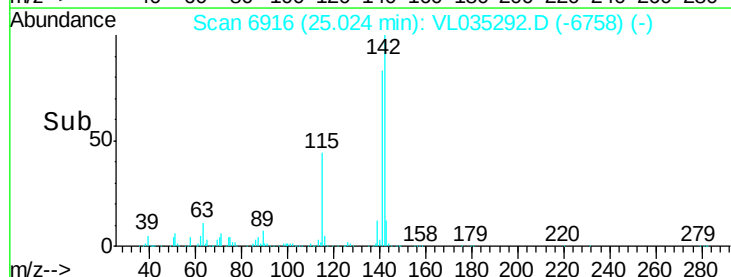
115 43.9 34.5 51.7

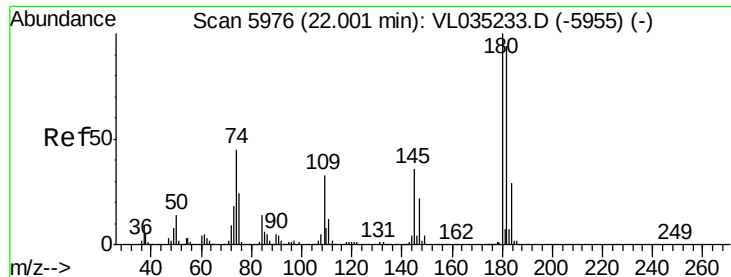


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

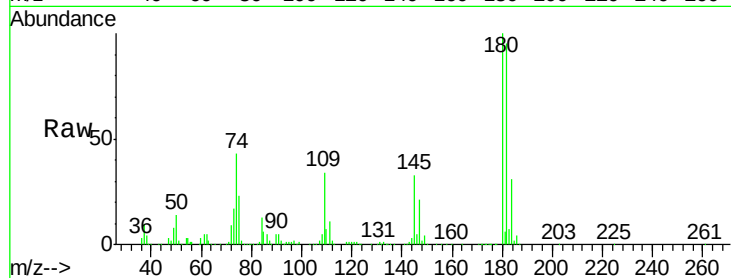




#81
 1,2,4-Trichlorobenzene
 Concen: 9.459 ppbv
 RT: 22.00 min Scan# 5977
 Delta R.T. 0.00 min
 Lab File: VL035292.D
 Acq: 30 Jul 2020 23:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1782007
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.7 115.1
 184 31.1 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

