

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035503.D
 Acq On : 23 Aug 2020 19:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Aug 24 02:30:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sun Aug 23 12:40:32 2020
 QLast Update : Sun Aug 23 12:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	969669	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4374088	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4640273m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3265873	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1746214	9.729	ppbv	98
3) Chlorodifluoromethane	2.98	51	1022854	9.321	ppbv	99
4) Chloromethane	3.13	50	534274	9.414	ppbv	99
5) Vinyl Chloride	3.25	62	646172	9.635	ppbv	99
6) Bromomethane	3.47	94	565932	9.179	ppbv	100
7) Chloroethane	3.55	64	238057	9.302	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1929260	9.128	ppbv	99
9) Propene	3.00	41	392361	9.182	ppbv	98
10) Heptane	8.13	43	1094340	9.636	ppbv	100
11) Trichlorofluoromethane	3.95	101	2341908	9.099	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1752983	9.143	ppbv	99
13) Ethanol	3.60	45	95829	7.846	ppbv	99
14) Bromoethene	3.74	108	793787	9.474	ppbv	100
15) Acetone	3.85	43	833176	8.129	ppbv	100
16) 1,3-Butadiene	3.32	39	390300	9.450	ppbv	99
17) tert-Butyl alcohol	4.29	59	1287338	9.693	ppbv	100
18) 1,1-Dichloroethene	4.29	96	802896	9.451	ppbv	97
19) Isopropyl Alcohol	3.97	45	626295	9.262	ppbv	99
20) Methylene Chloride	4.34	84	690131	6.197	ppbv	98
21) Allyl Chloride	4.41	41	506716	9.664	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	836198	9.304	ppbv	99
23) Vinyl Acetate	5.08	43	1356741	9.915	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1339502	9.294	ppbv	99
25) Ethyl Acetate	5.68	43	1759531	8.908	ppbv	100
26) Hexane	5.69	57	1023255	8.523	ppbv	98
27) Carbon Disulfide	4.55	76	1659525	10.369	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1860661	9.547	ppbv	100
29) Chloroform	5.76	83	2119641	9.287	ppbv	99
30) Cyclohexane	7.14	84	1183013	9.794	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1109573	9.754	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2138451	10.256	ppbv	99
34) 2-Butanone	5.25	43	1227593	9.555	ppbv	100
35) Carbon Tetrachloride	7.03	117	2273776	10.667	ppbv	98
36) Benzene	6.90	78	2713921	9.447	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1293270	9.514	ppbv	100
38) Trichloroethene	7.84	130	1477804	9.297	ppbv	98
39) 1,2-Dichloropropane	7.63	63	905204	9.441	ppbv	99
40) 1,4-Dioxane	7.84	88	475477	10.018	ppbv	87
41) Tetrahydrofuran	6.05	42	699063	10.018	ppbv	100
42) Bromodichloromethane	7.80	83	2247568	10.110	ppbv	97
43) Methyl Methacrylate	8.02	69	1112824	10.034	ppbv	99

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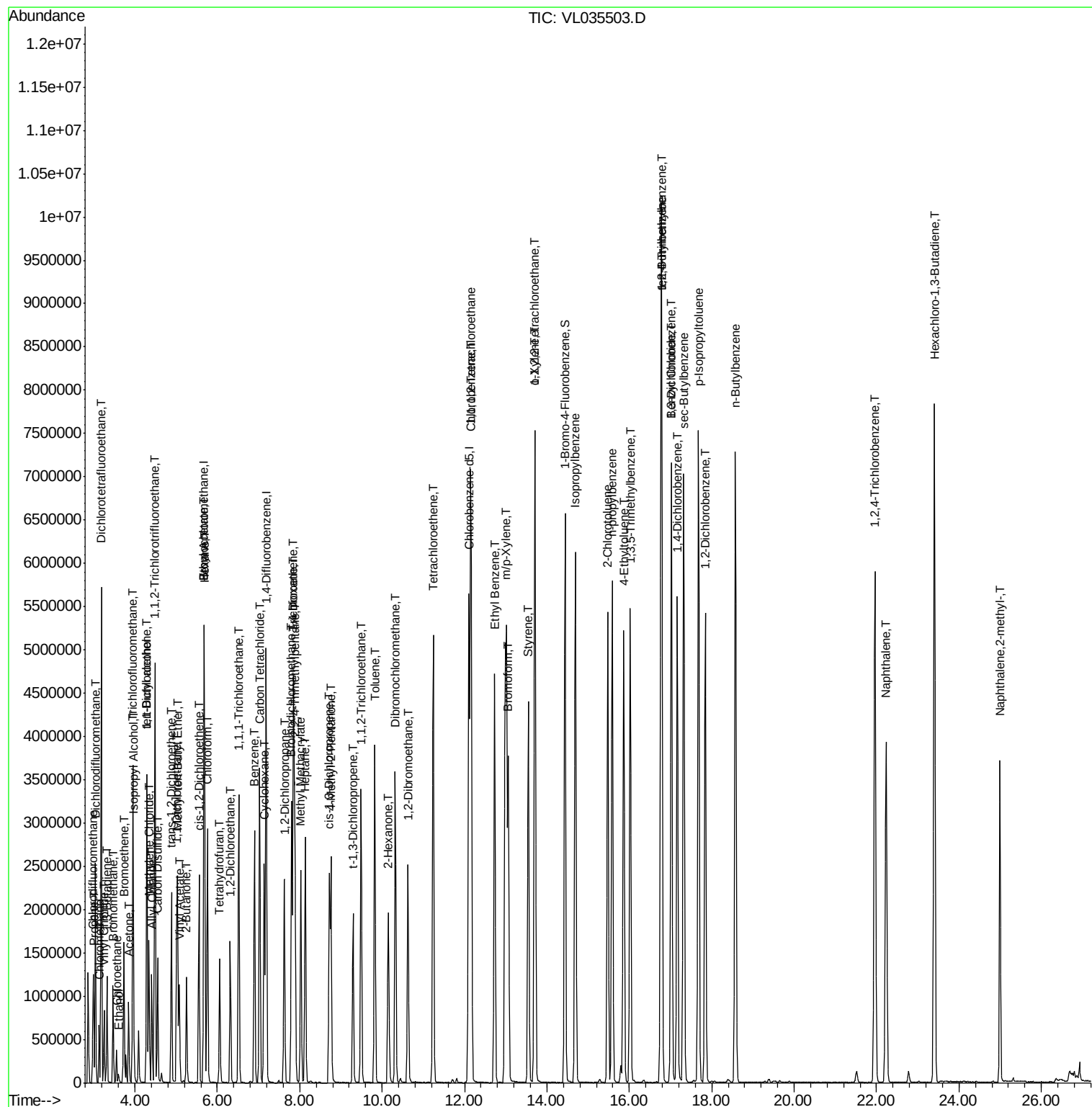
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3482080	9.282	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1266569	11.113	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1510845	10.705	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1351384	9.388	ppbv	99
48) Dibromochloromethane	10.32	129	2447930	10.683	ppbv	100
49) Bromoform	13.06	173	2350685	11.044	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1851443	10.018	ppbv	100
51) 2-Hexanone	10.15	43	1602516	10.615	ppbv	100
52) Tetrachloroethene	11.24	164	1546208	9.243	ppbv	99
53) Toluene	9.82	91	3530949	9.713	ppbv	99
54) 1,2-Dibromoethane	10.63	107	2180881	9.536	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1883844	9.579	ppbv	97
57) Chlorobenzene	12.17	112	3052197	8.735	ppbv	98
58) Ethyl Benzene	12.73	91	4639168	9.312	ppbv	100
59) m/p-Xylene	13.02	91	7503901m	17.696	ppbv	
60) o-Xylene	13.72	91	3815134	9.166	ppbv	100
61) Styrene	13.55	104	3134045	9.768	ppbv	100
62) Isopropylbenzene	14.69	105	5997455	8.895	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2685665	8.866	ppbv	100
64) n-propylbenzene	15.58	120	1908047	9.311	ppbv	98
65) tert-Butylbenzene	16.77	119	5762717	8.993	ppbv	100
66) Benzyl Chloride	17.01	91	1815023	11.565	ppbv	98
67) sec-Butylbenzene	17.32	105	7478171	8.783	ppbv	99
69) p-Isopropyltoluene	17.68	119	6654097	8.967	ppbv	99
70) n-Butylbenzene	18.58	91	6328705	8.894	ppbv	99
71) 2-Chlorotoluene	15.48	91	4499448	9.237	ppbv	100
72) 4-Ethyltoluene	15.86	105	4961994	9.338	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4617337	9.382	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4814774	8.930	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	3541632	8.762	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3583753	8.856	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3517263	8.821	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	2273887	8.217	ppbv	100
79) Naphthalene	22.23	128	5904562	8.707	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	2318578	8.540	ppbv	100
81) 1,2,4-Trichlorobenzene	21.96	180	3445555	8.641	ppbv	99

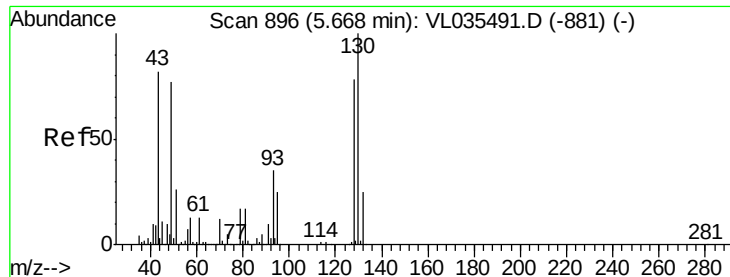
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

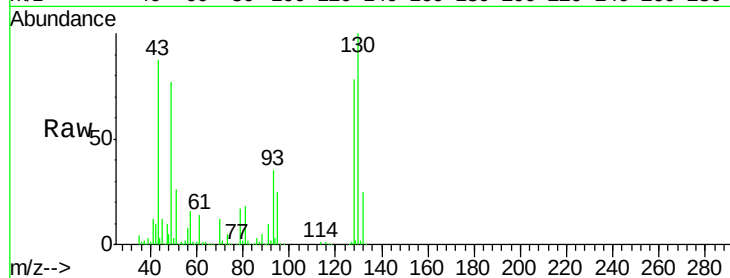
Tot Ion: 49 Resp: 969669

Ion Ratio Lower Upper

49 100

128 101.9 51.6 154.9

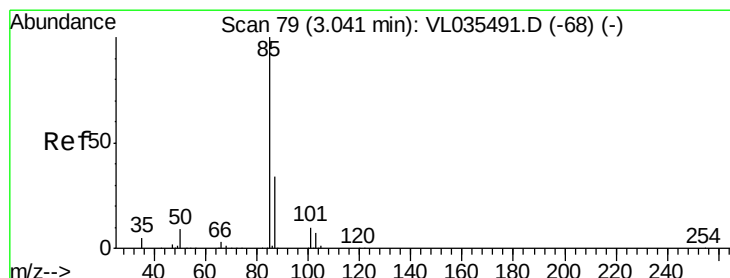
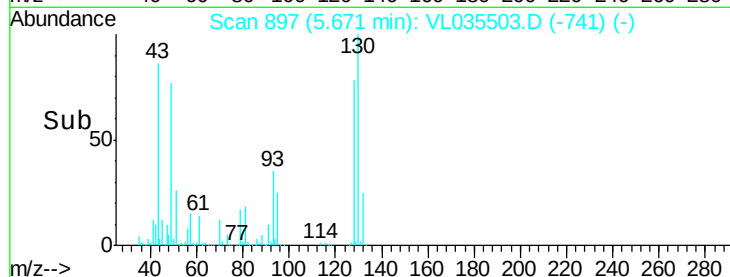
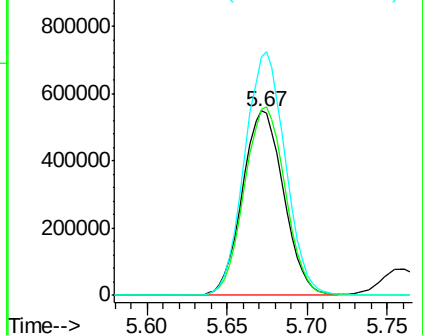
130 130.9 66.1 198.4



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: 9.729 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035503.D

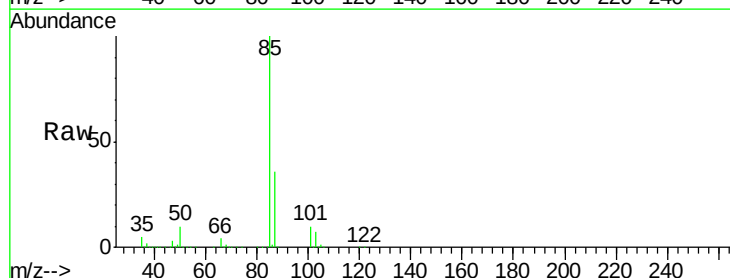
Acq: 23 Aug 2020 19:17

Tgt Ion: 85 Resp: 1746214

Ion Ratio Lower Upper

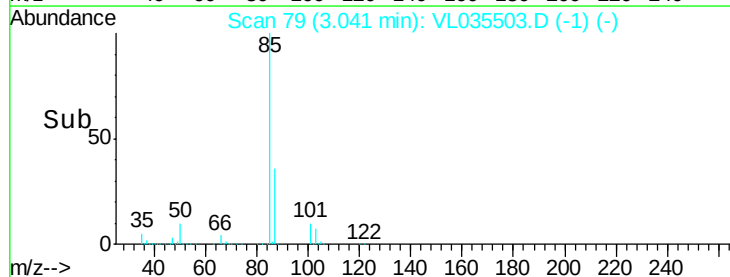
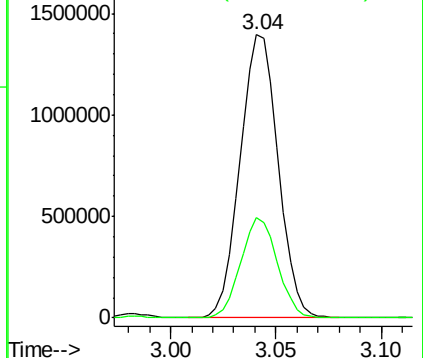
85 100

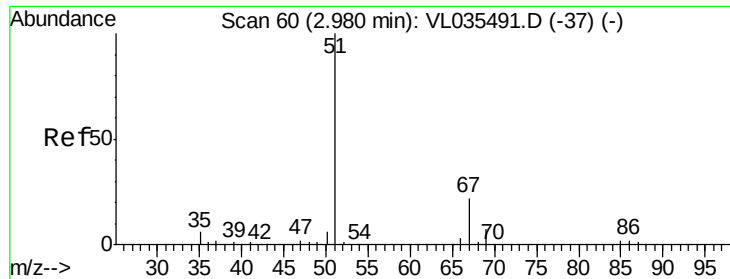
87 35.5 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.321 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

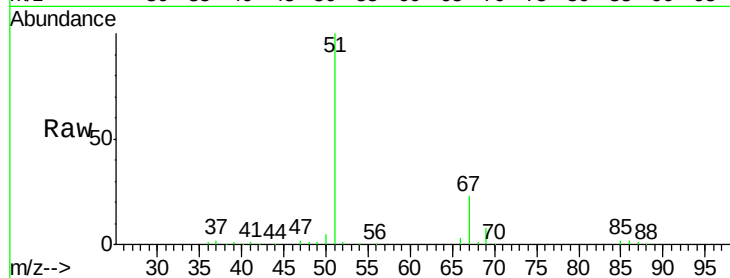
VSTDCCC010EC

Tot Ion: 51 Resp: 1022854

Ion Ratio Lower Upper

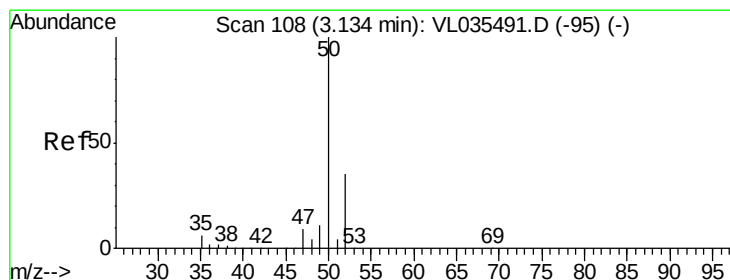
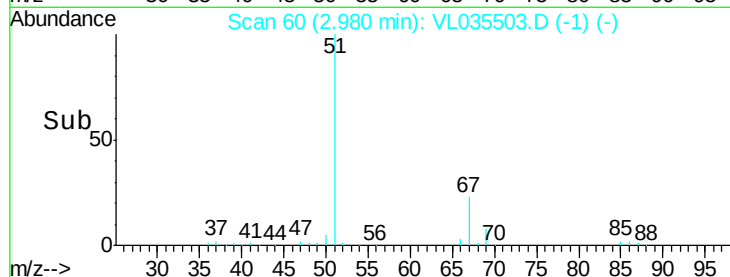
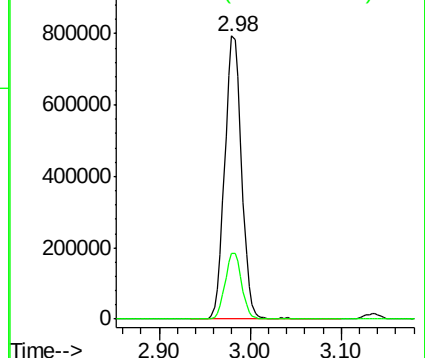
51 100

67 23.0 17.9 26.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.414 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL035503.D

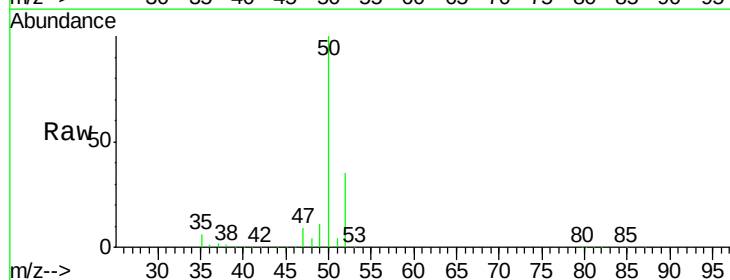
Acq: 23 Aug 2020 19:17

Tgt Ion: 50 Resp: 534274

Ion Ratio Lower Upper

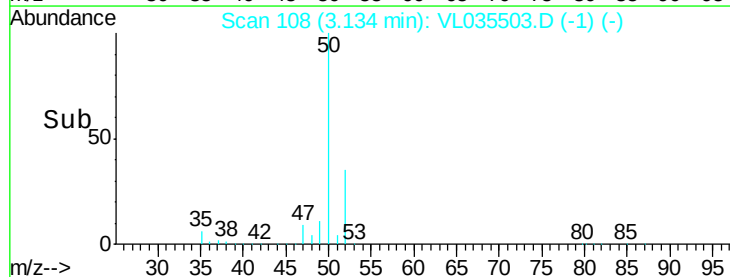
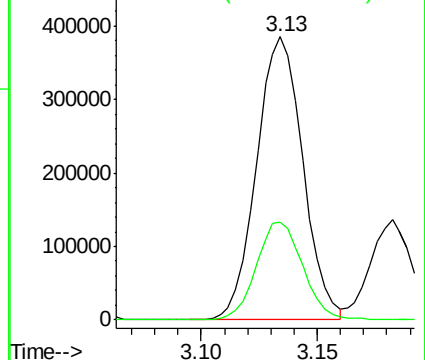
50 100

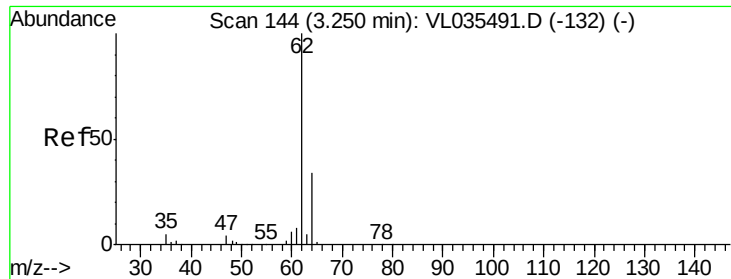
52 34.6 28.2 42.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.635 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

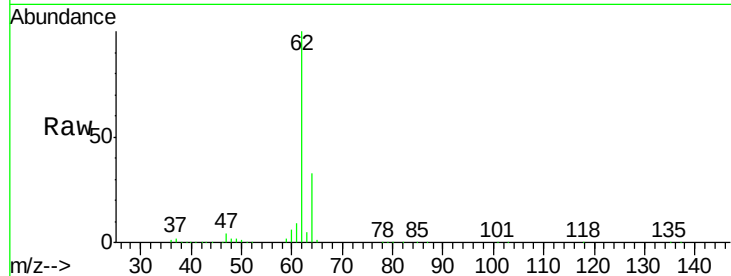
VSTDCCC010EC

Tot Ion: 62 Resp: 646172

Ion Ratio Lower Upper

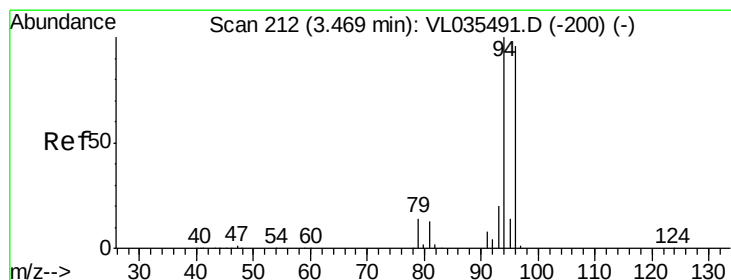
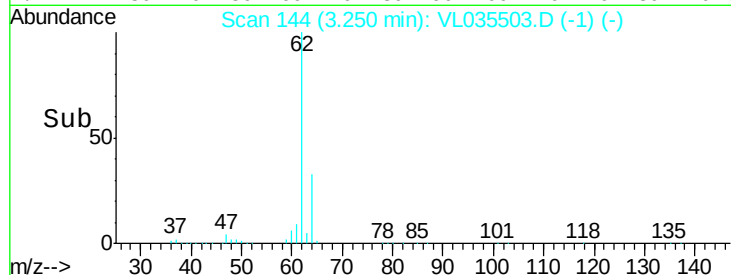
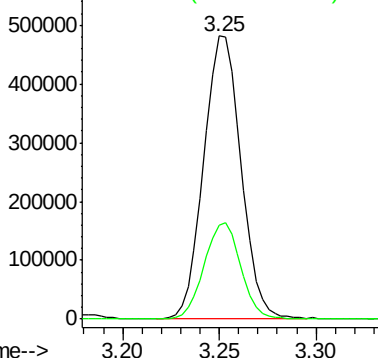
62 100

64 33.3 27.1 40.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.179 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035503.D

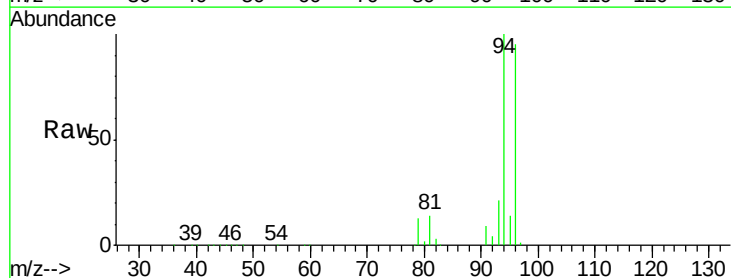
Acq: 23 Aug 2020 19:17

Tgt Ion: 94 Resp: 565932

Ion Ratio Lower Upper

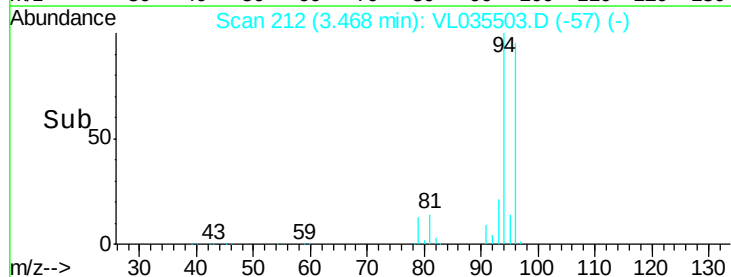
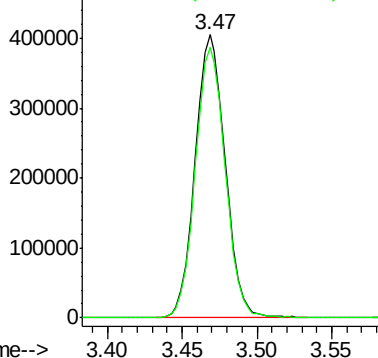
94 100

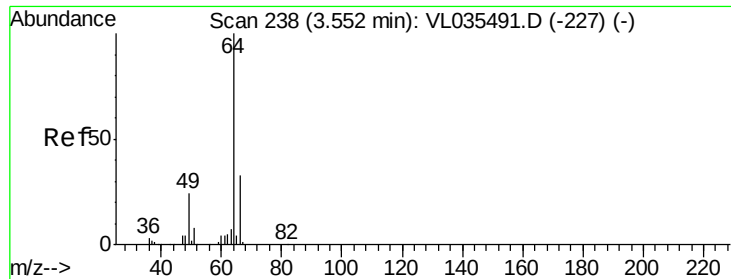
96 95.4 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.302 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035503.D

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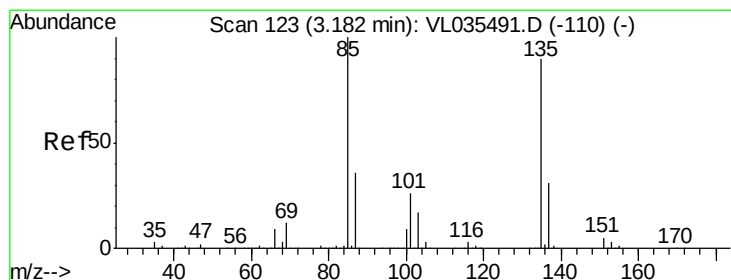
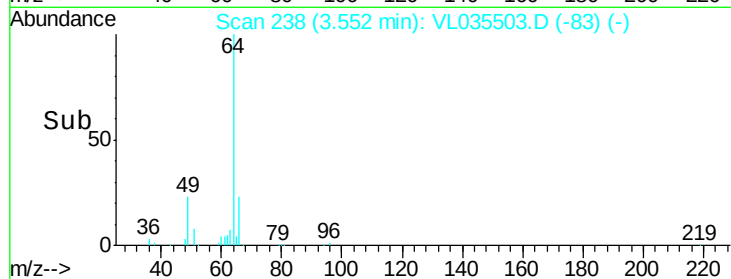
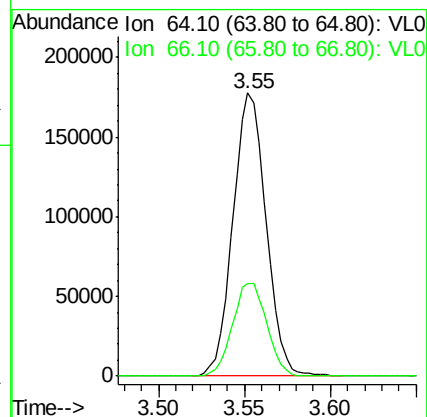
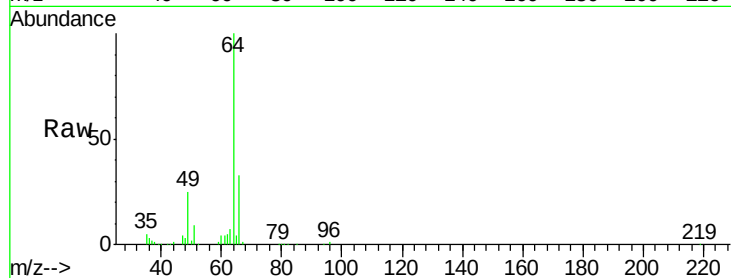
VSTDCCC010EC

Tot Ion: 64 Resp: 238057

Ion Ratio Lower Upper

64 100

66 32.6 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 9.128 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL035503.D

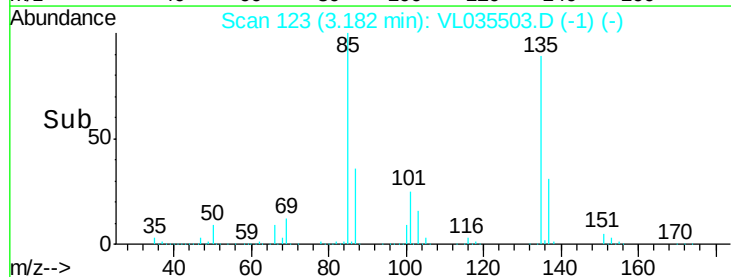
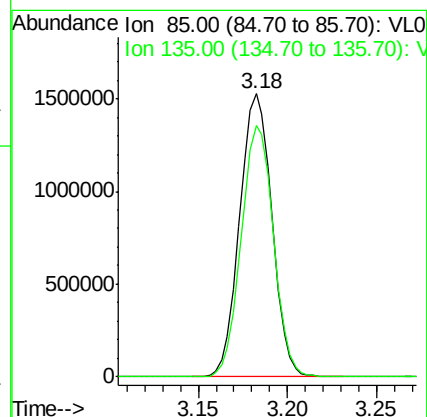
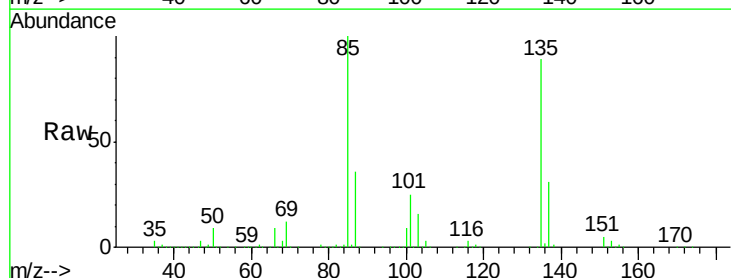
Acq: 23 Aug 2020 19:17

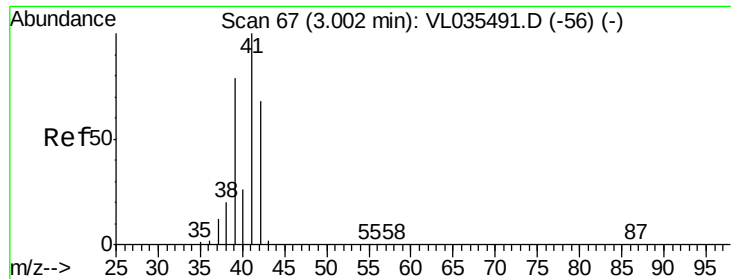
Tgt Ion: 85 Resp: 1929260

Ion Ratio Lower Upper

85 100

135 89.2 71.8 107.6





#9

Propene

Concen: 9.182 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

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ClientSampleId :

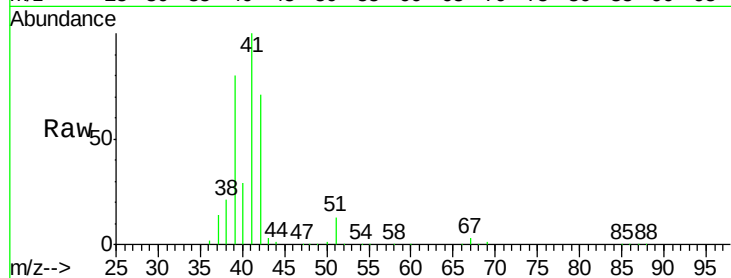
VSTDCCC010EC

Tot Ion: 41 Resp: 392361

Ion Ratio Lower Upper

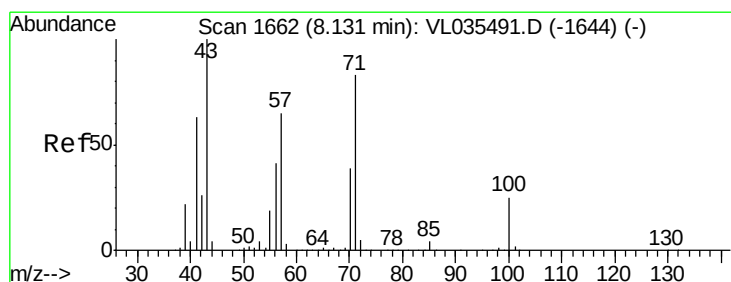
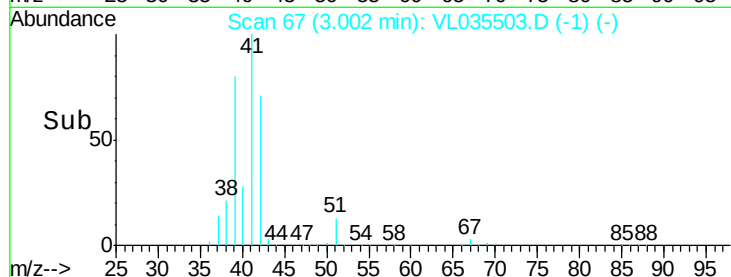
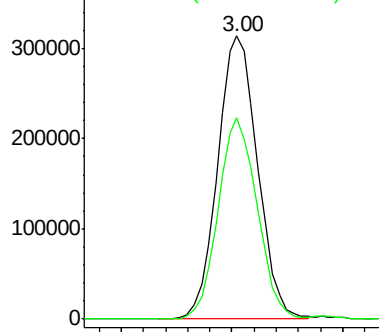
41 100

42 70.7 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.636 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL035503.D

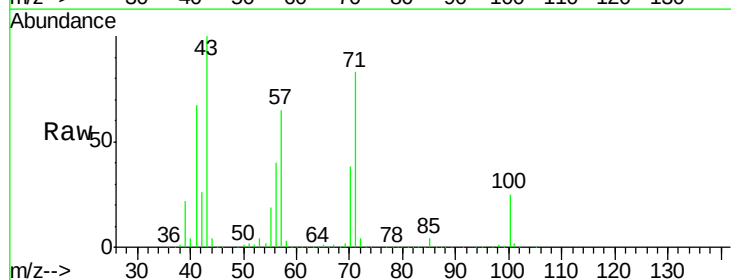
Acq: 23 Aug 2020 19:17

Tgt Ion: 43 Resp: 1094340

Ion Ratio Lower Upper

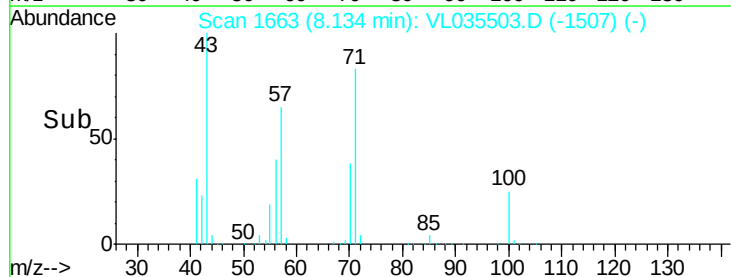
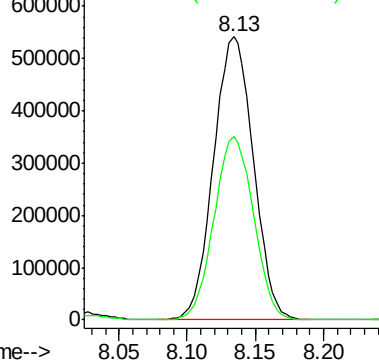
43 100

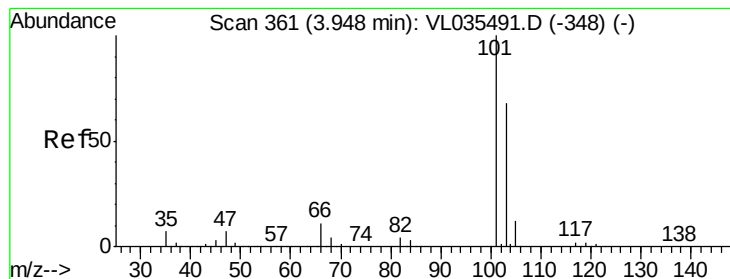
57 64.6 51.4 77.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.099 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

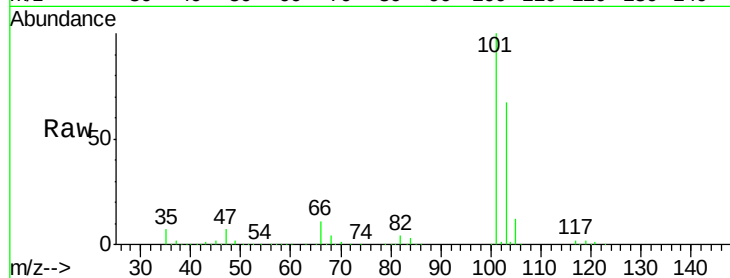
VSTDCCC010EC

Tot Ion:101 Resp: 2341908

Ion Ratio Lower Upper

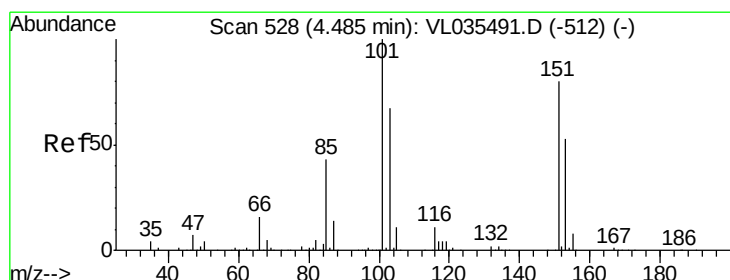
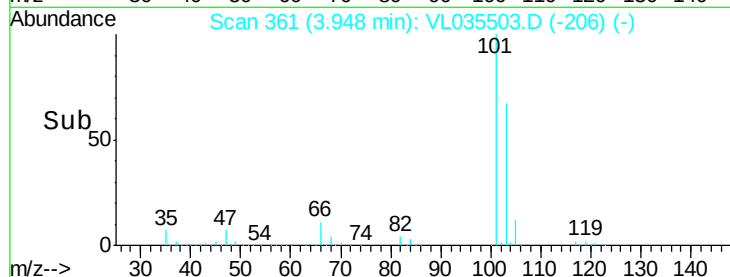
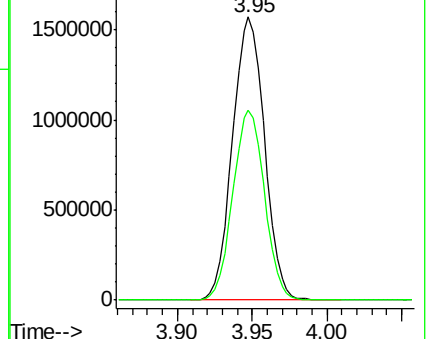
101 100

103 67.3 54.4 81.6



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: 9.143 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.00 min

Lab File: VL035503.D

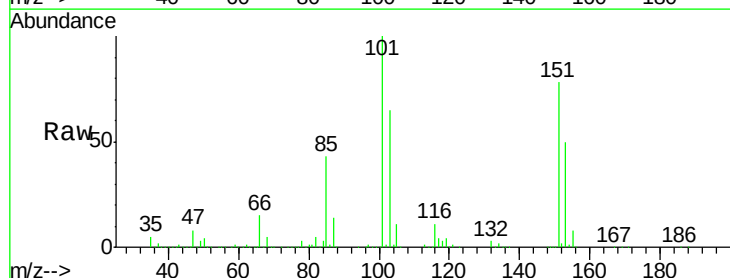
Acq: 23 Aug 2020 19:17

Tgt Ion:101 Resp: 1752983

Ion Ratio Lower Upper

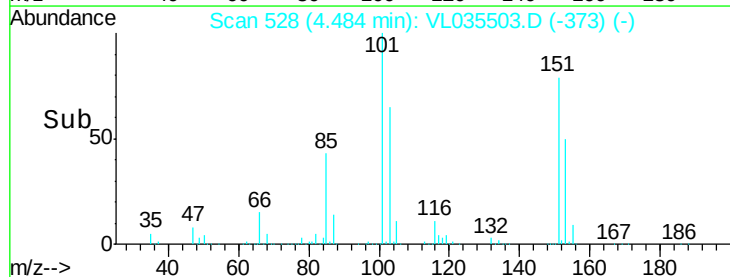
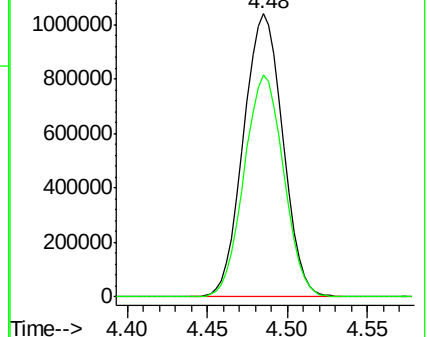
101 100

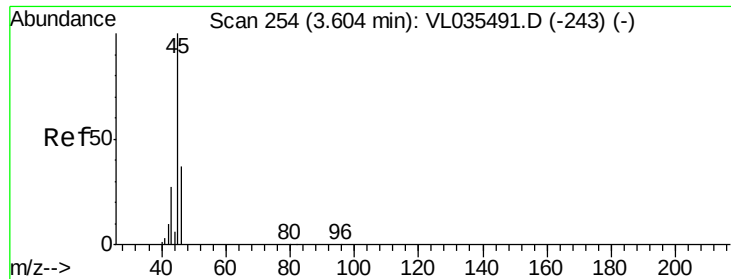
151 78.9 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.846 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

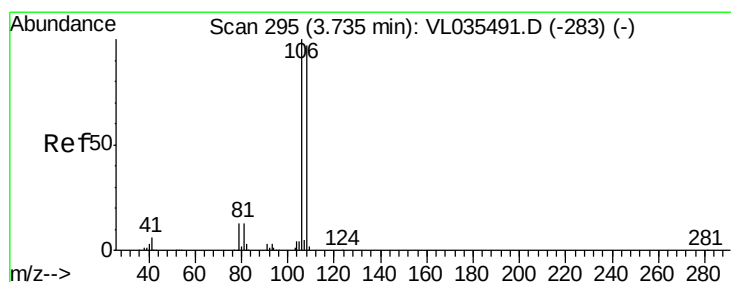
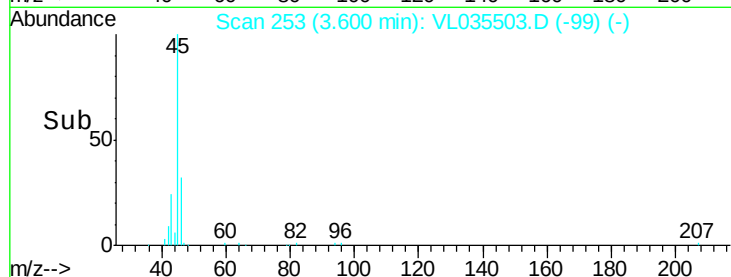
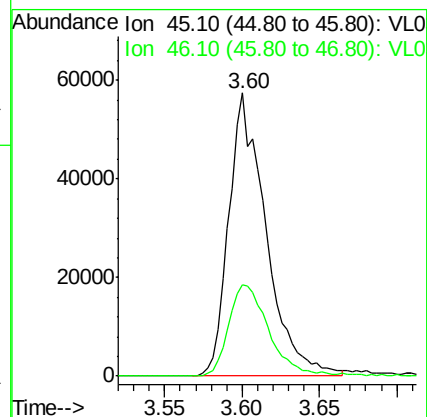
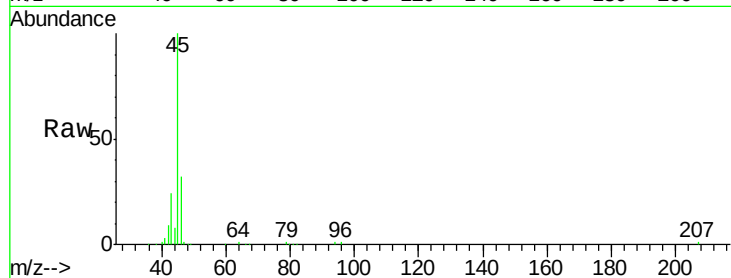
VSTDCCC010EC

Tot Ion: 45 Resp: 95829

Ion Ratio Lower Upper

45 100

46 35.3 14.4 57.6



#14

Bromoethene

Concen: 9.474 ppbv

RT: 3.74 min Scan# 295

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

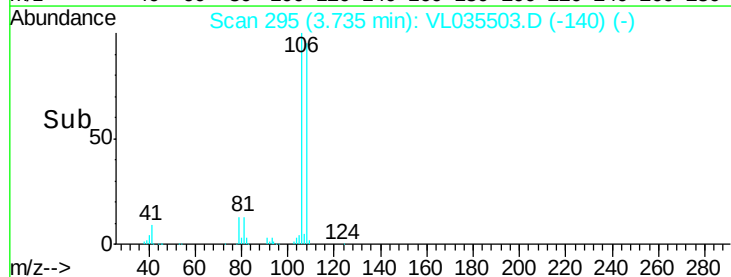
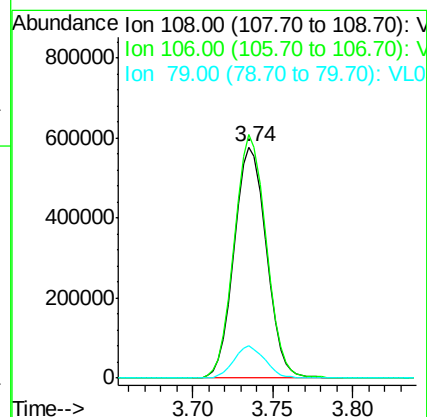
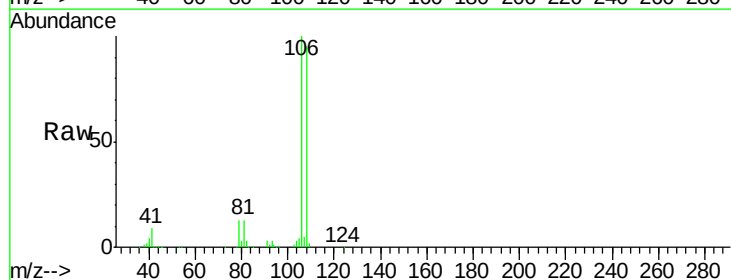
Tgt Ion: 108 Resp: 793787

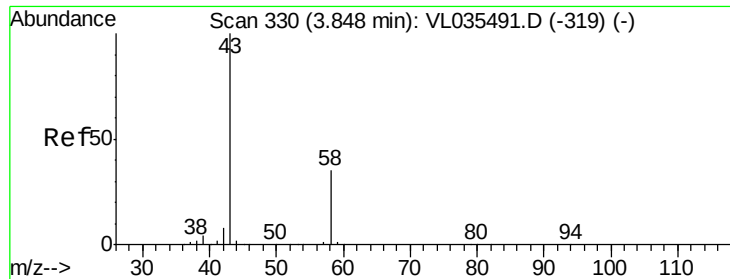
Ion Ratio Lower Upper

108 100

106 105.0 83.6 125.4

79 13.7 10.7 16.1





#15

Acetone

Concen: 8.129 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

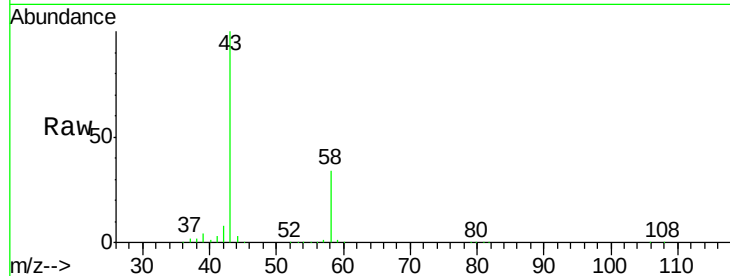
VSTDCCC010EC

Tot Ion: 43 Resp: 833176

Ion Ratio Lower Upper

43 100

58 34.9 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

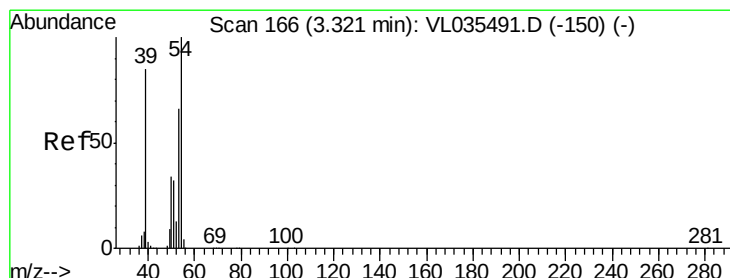
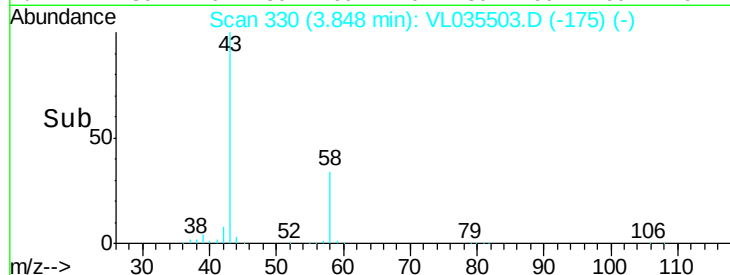
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.450 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL035503.D

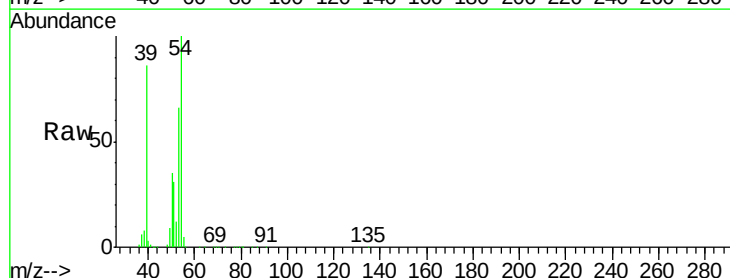
Acq: 23 Aug 2020 19:17

Tgt Ion: 39 Resp: 390300

Ion Ratio Lower Upper

39 100

54 110.8 89.3 133.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

400000

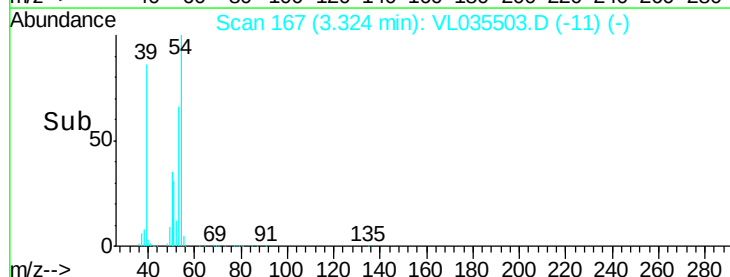
300000

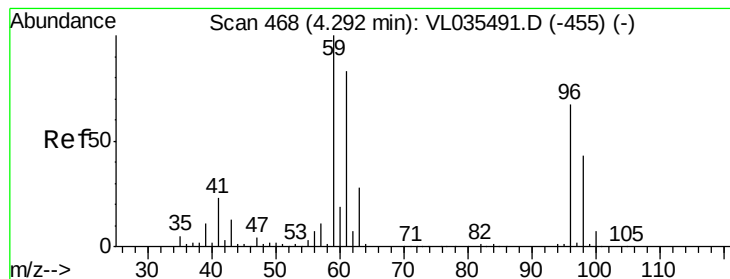
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 9.693 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

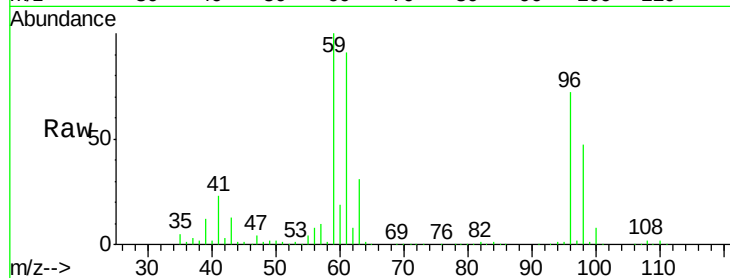
VSTDCCC010EC

Tot Ion: 59 Resp: 1287338

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

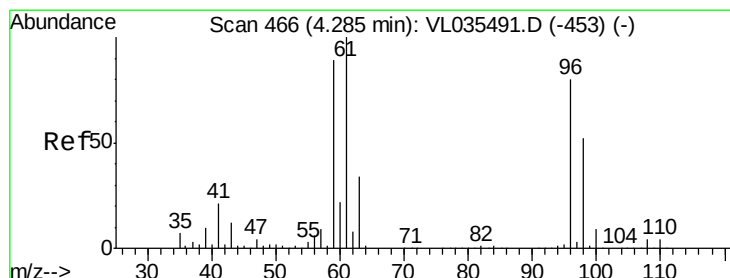
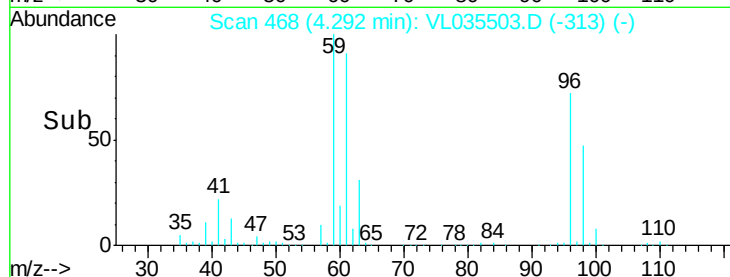
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.451 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

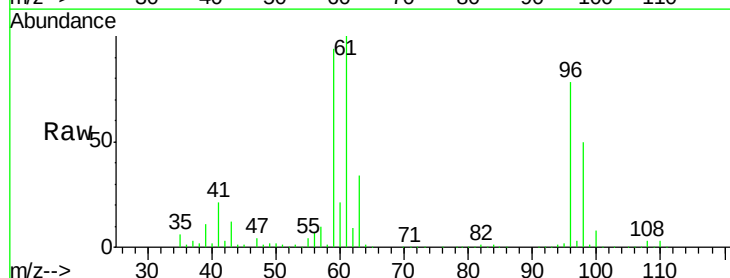
Tgt Ion: 96 Resp: 802896

Ion Ratio Lower Upper

96 100

61 129.0 99.9 149.9

98 64.9 52.2 78.4



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

4.29

800000

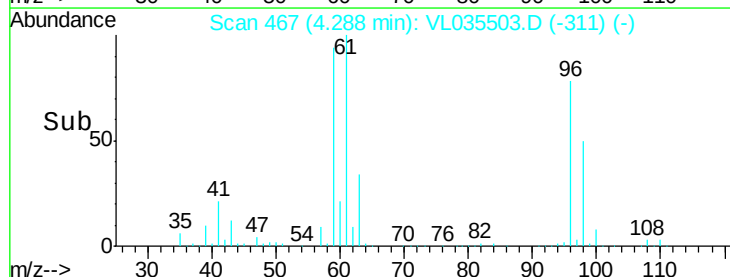
600000

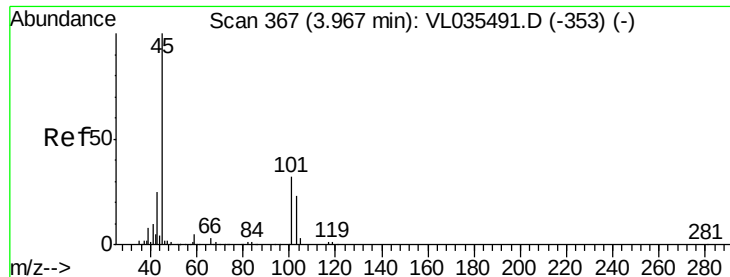
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.262 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

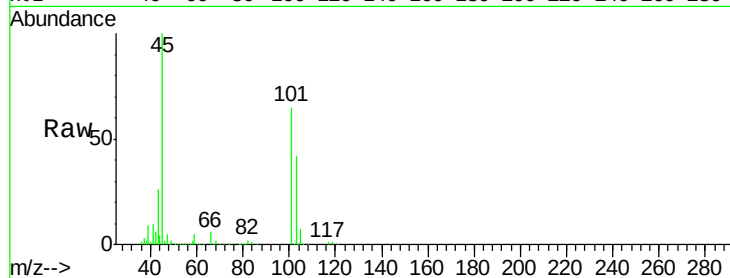
VSTDCCC010EC

Tot Ion: 45 Resp: 626295

Ion Ratio Lower Upper

45 100

58 2.6 1.8 2.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

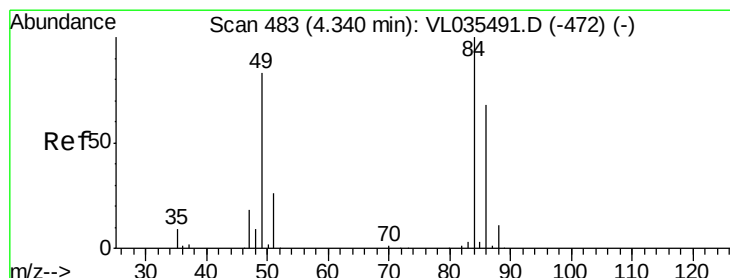
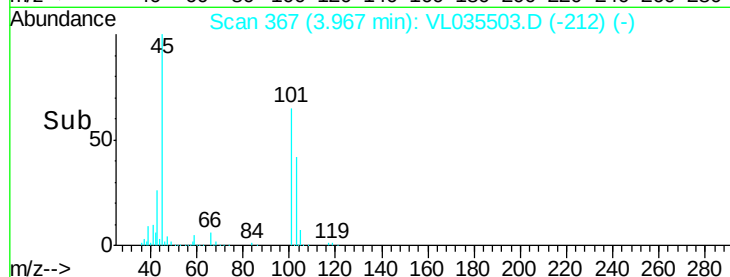
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 6.197 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Tgt Ion: 84 Resp: 690131

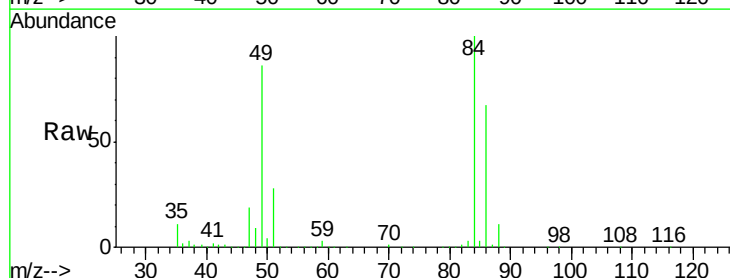
Ion Ratio Lower Upper

84 100

49 85.5 66.3 99.5

51 27.7 21.1 31.7

86 67.6 54.2 81.4



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

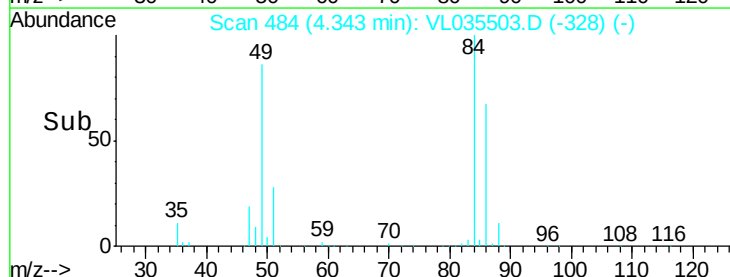
600000

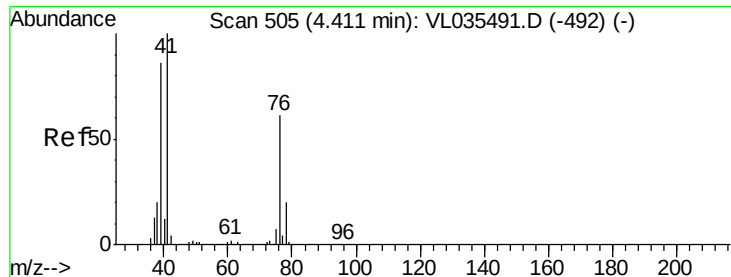
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.664 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

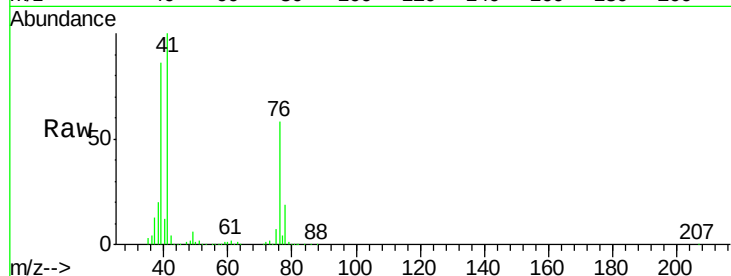
Tot Ion: 41 Resp: 506716

Ion Ratio Lower Upper

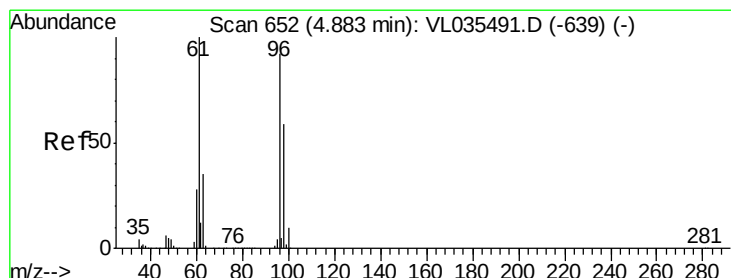
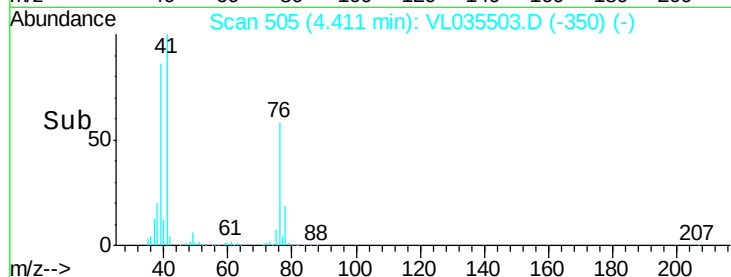
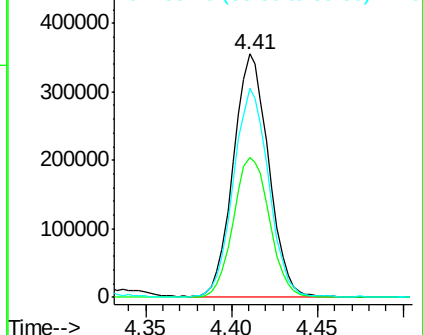
41 100

76 59.3 47.3 70.9

39 86.9 69.0 103.4



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: 9.304 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

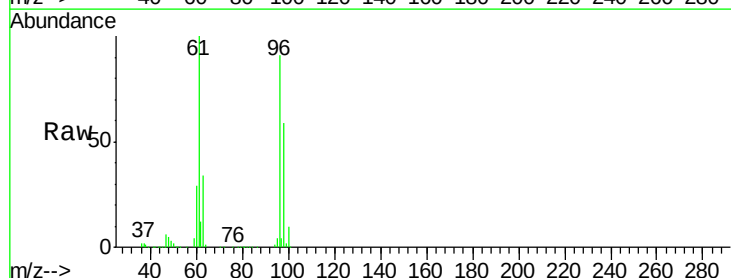
Tgt Ion: 96 Resp: 836198

Ion Ratio Lower Upper

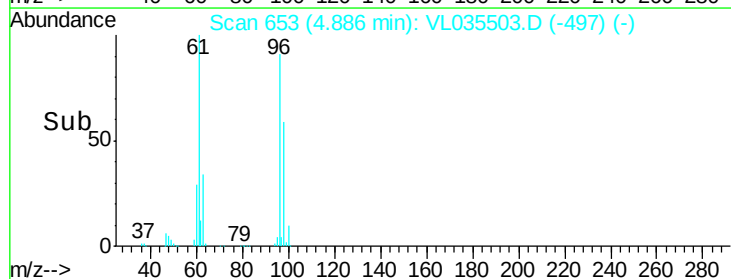
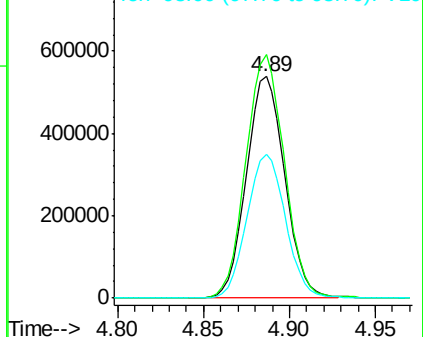
96 100

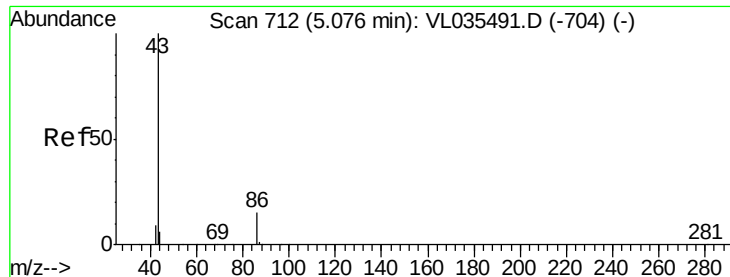
61 110.0 86.5 129.7

98 64.8 51.4 77.2



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: 9.915 ppbv

RT: 5.08 min Scan# 712

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1356741

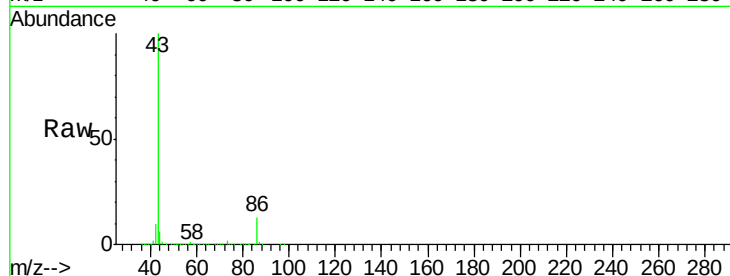
Ion Ratio Lower Upper

43 100

86 13.4 10.9 16.3

42 9.5 7.8 11.8

44 5.6 4.4 6.6

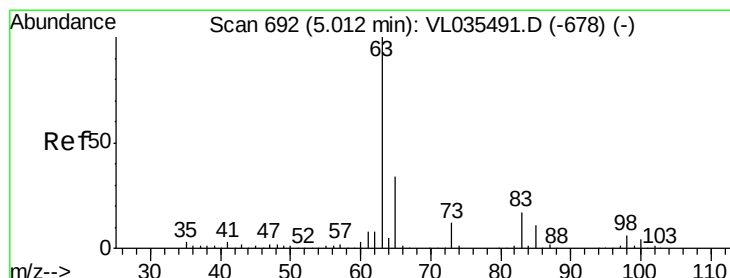
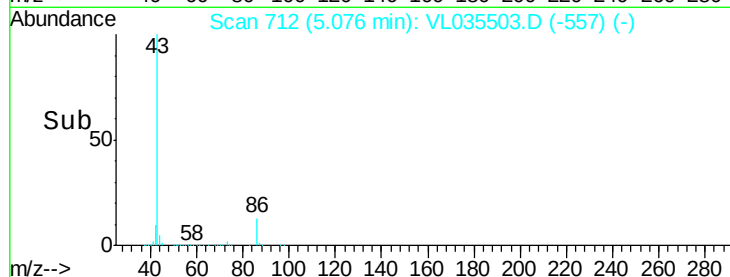
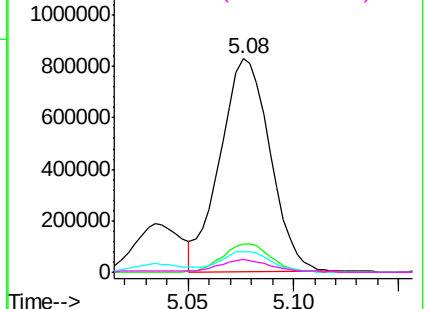


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.294 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

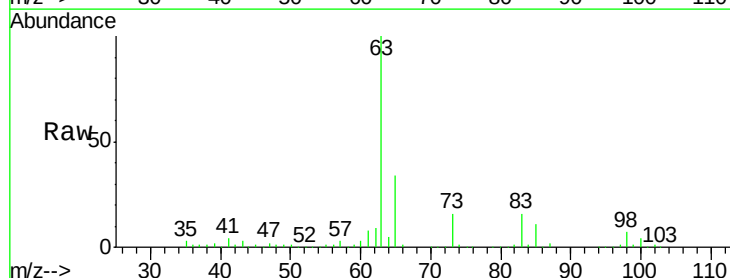
Tgt Ion: 63 Resp: 1339502

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

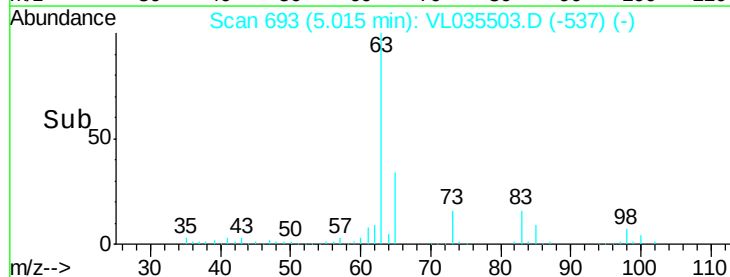
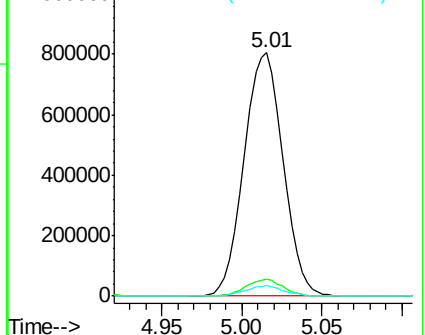
100 4.3 2.0 6.0

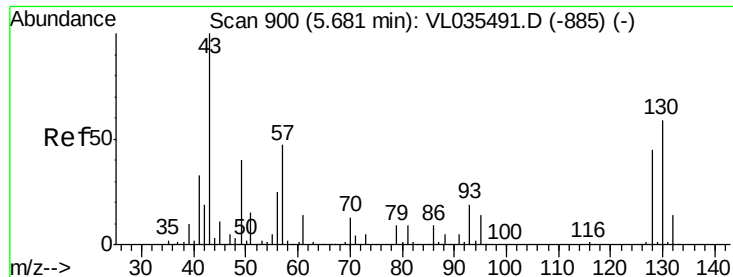


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



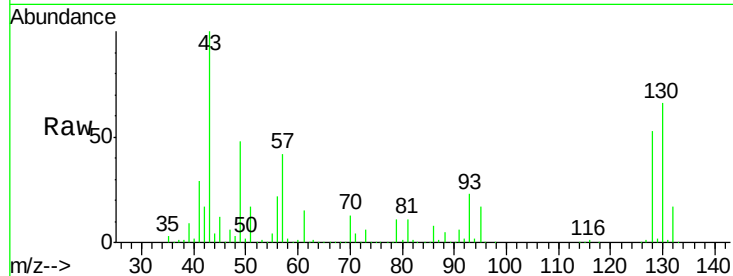


#25
Ethyl Acetate
Concen: 8.908 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1759531

Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.4	12.6
61	13.3	10.6	16.0
70	11.8	9.4	14.2



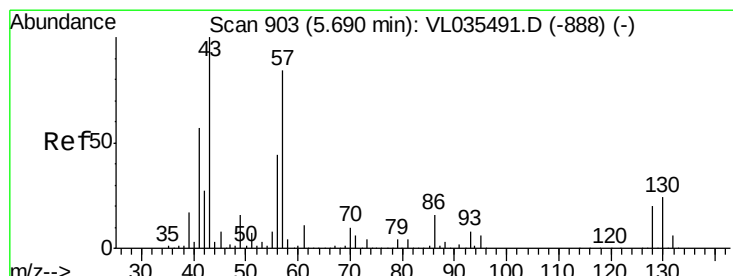
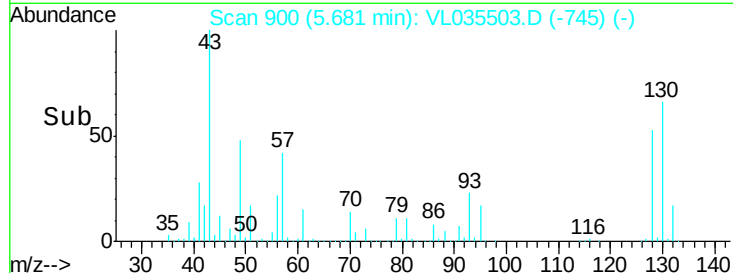
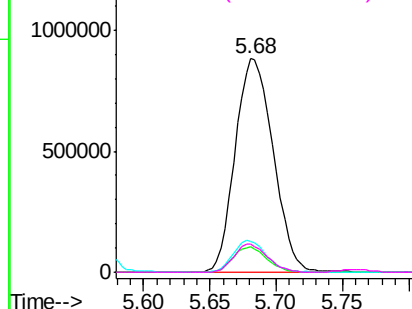
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

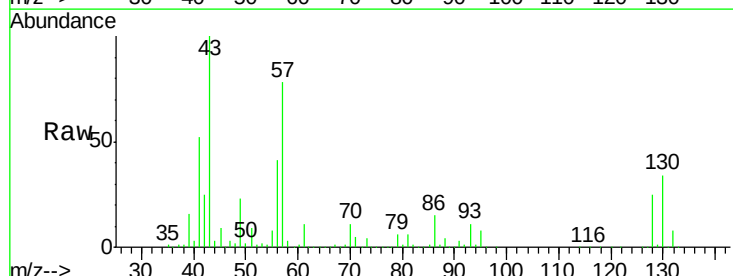
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.523 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Tgt Ion: 57 Resp: 1023255

Ion	Ratio	Lower	Upper
57	100		
41	70.4	56.7	85.1
43	172.9	141.9	212.9
56	52.3	41.9	62.9



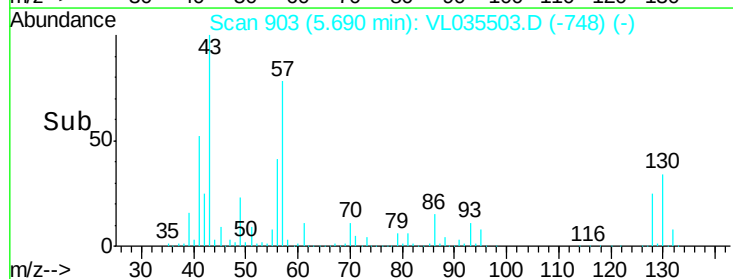
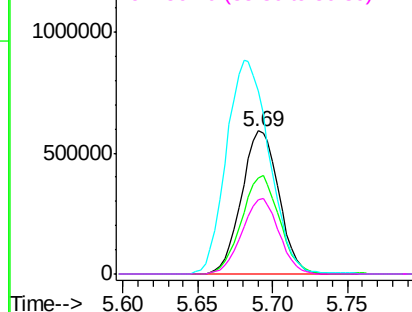
Abundance

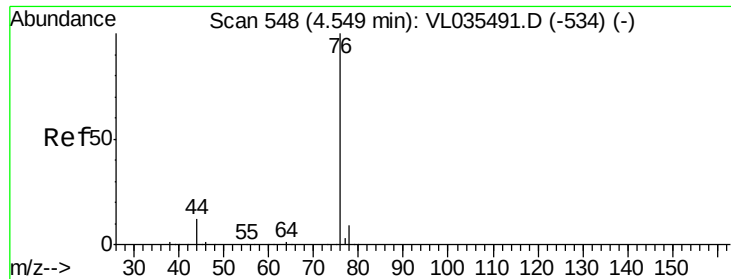
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.369 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

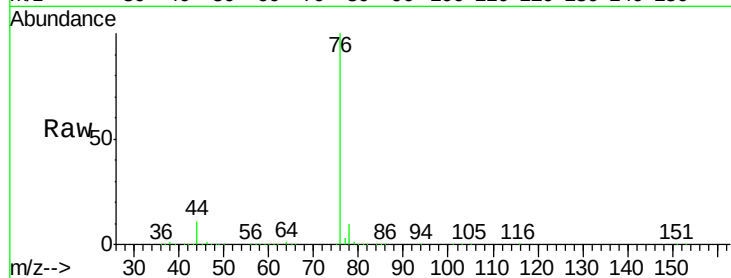
Tot Ion: 76 Resp: 1659525

Ion Ratio Lower Upper

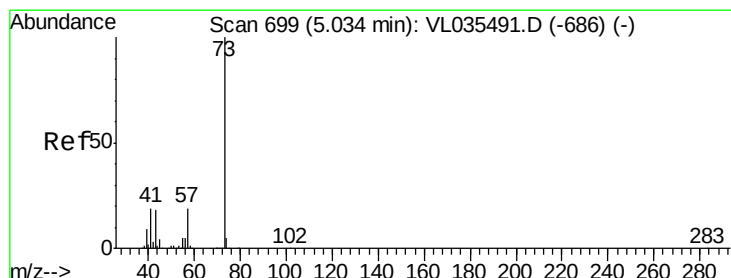
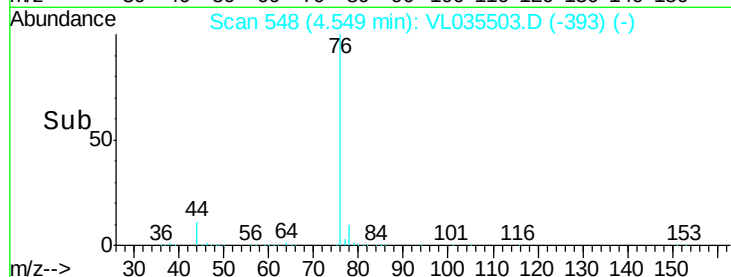
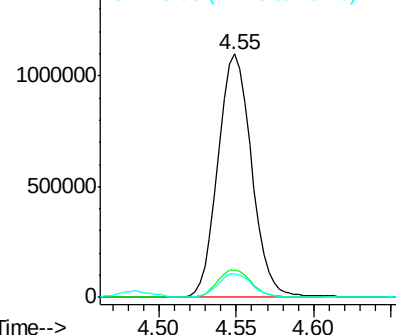
76 100

44 11.3 9.2 13.8

78 9.8 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0
1500000
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.547 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035503.D

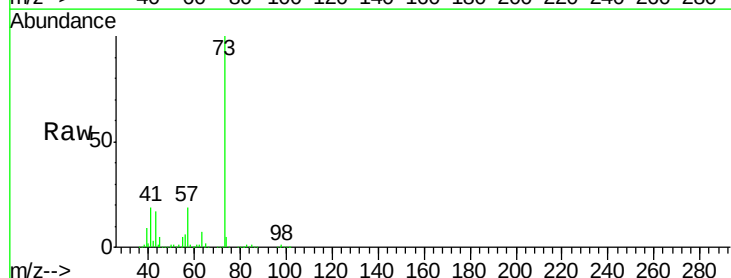
Acq: 23 Aug 2020 19:17

Tgt Ion: 73 Resp: 1860661

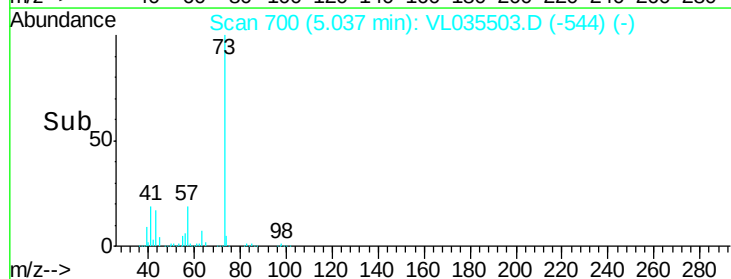
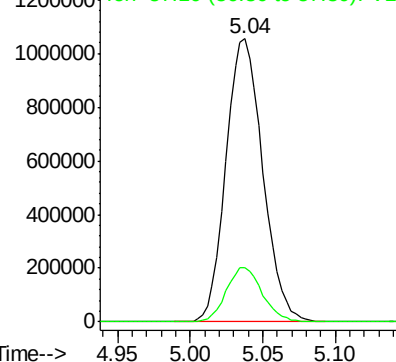
Ion Ratio Lower Upper

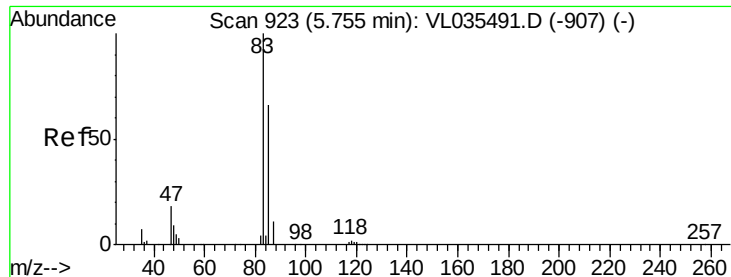
73 100

57 19.0 15.1 22.7



Abundance Ion 73.10 (72.80 to 73.80): VL0
1200000
Ion 57.10 (56.80 to 57.80): VL0

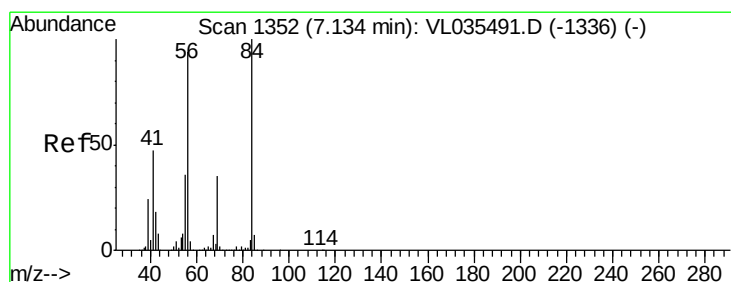
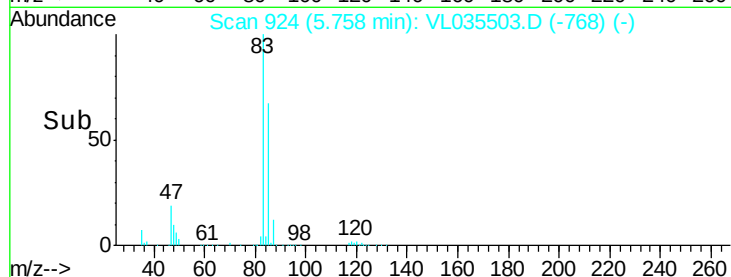
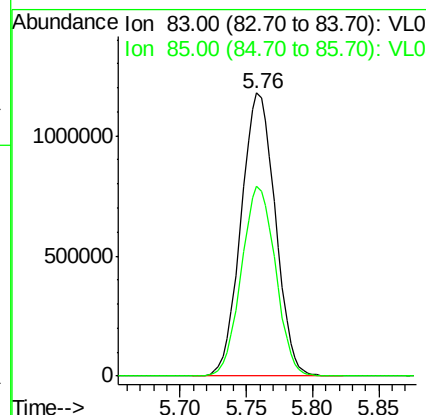
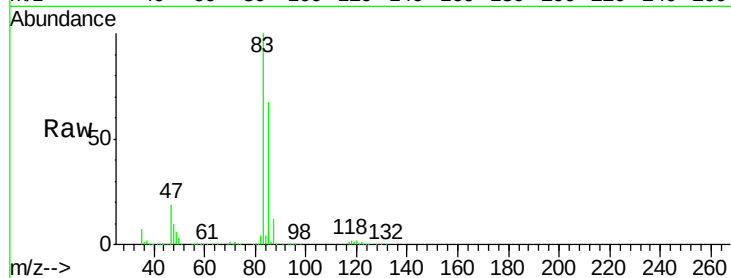




#29
Chloroform
Concen: 9.287 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

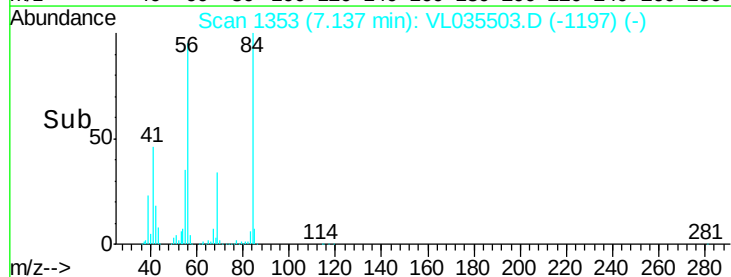
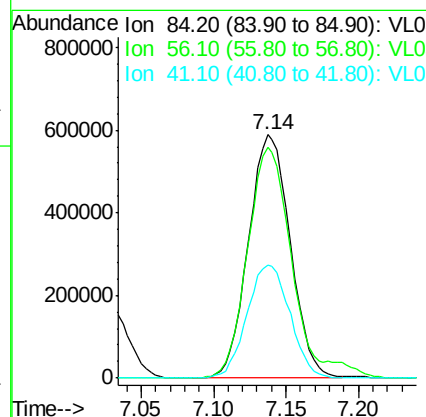
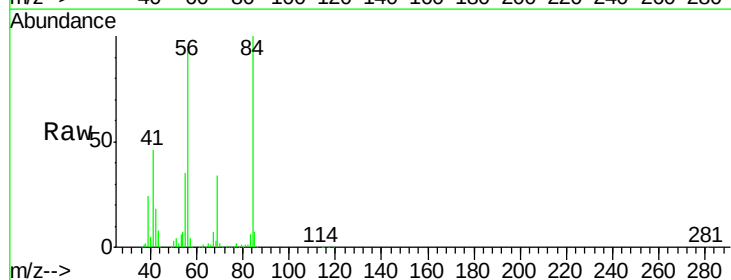
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

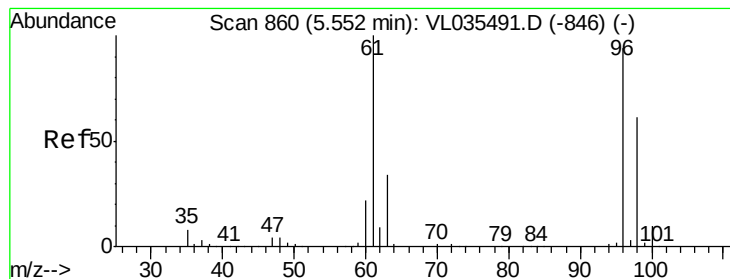
Tot Ion: 83 Resp: 2119641
Ion Ratio Lower Upper
83 100
85 67.1 53.1 79.7



#30
Cyclohexane
Concen: 9.794 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Tgt Ion: 84 Resp: 1183013
Ion Ratio Lower Upper
84 100
56 101.2 79.9 119.9
41 47.7 37.6 56.4



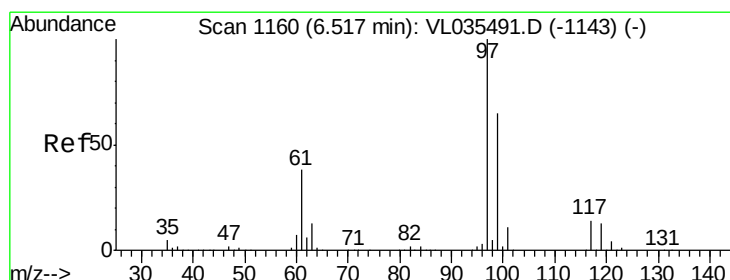
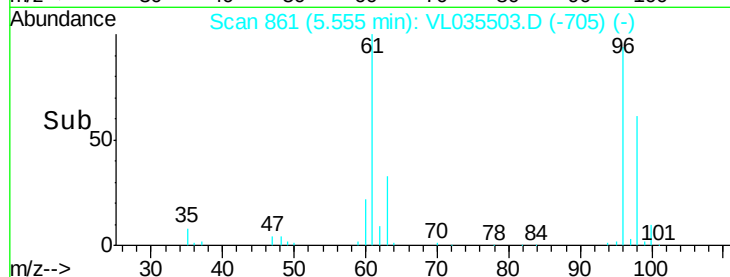
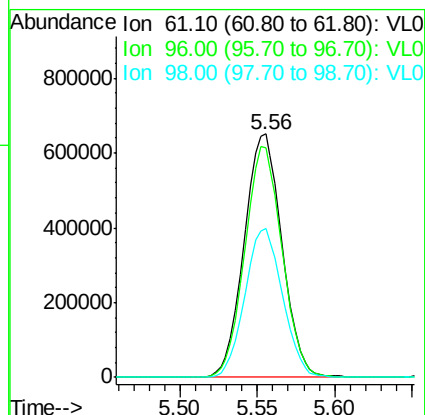
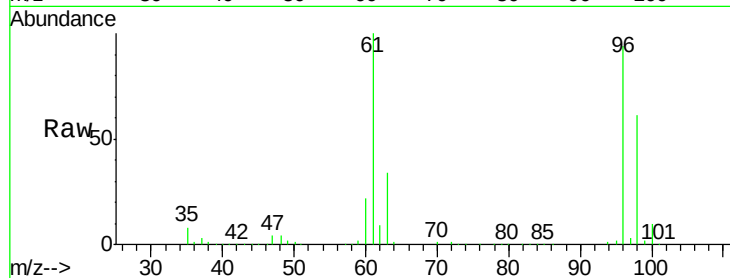


#31

cis-1,2-Dichloroethene
 Concen: 9.754 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

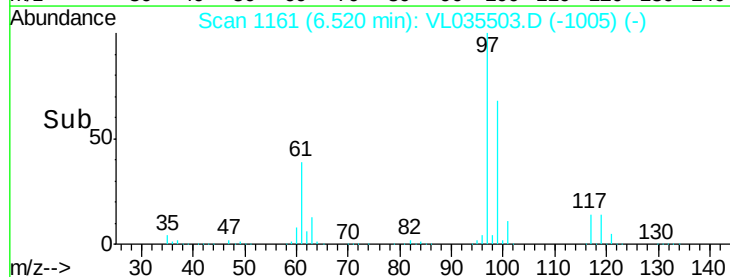
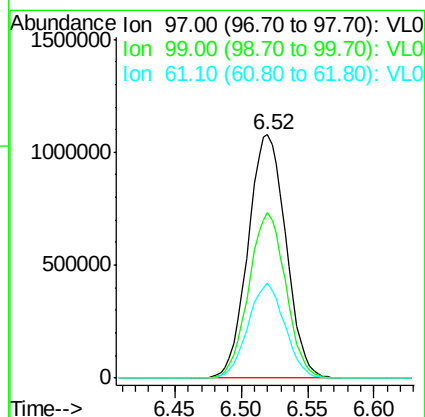
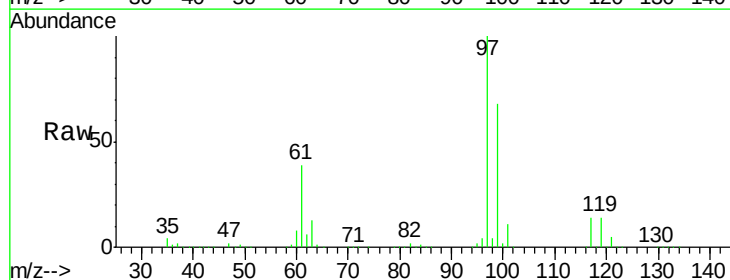
Tot Ion: 61 Resp: 1109573
 Ion Ratio Lower Upper
 61 100
 96 94.2 75.5 113.3
 98 61.1 48.9 73.3

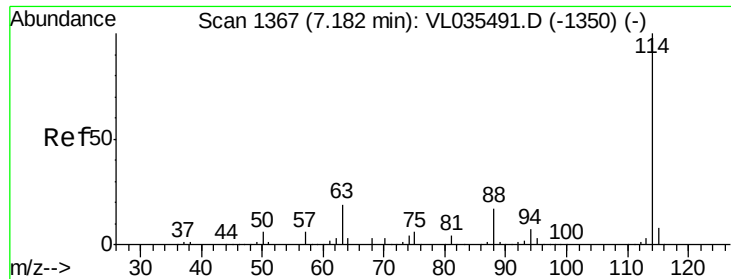


#32

1,1,1-Trichloroethane
 Concen: 10.256 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

Tgt Ion: 97 Resp: 2138451
 Ion Ratio Lower Upper
 97 100
 99 66.4 52.7 79.1
 61 38.0 30.2 45.2

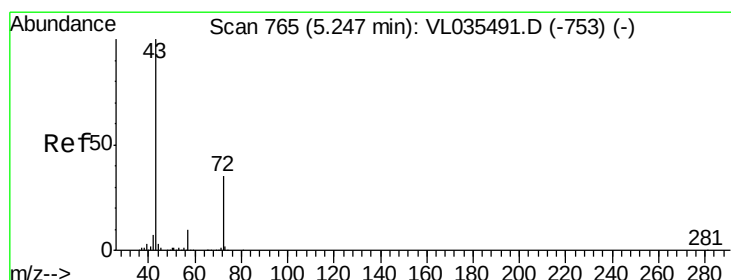
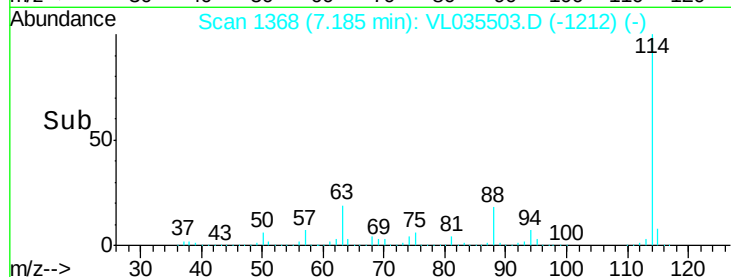
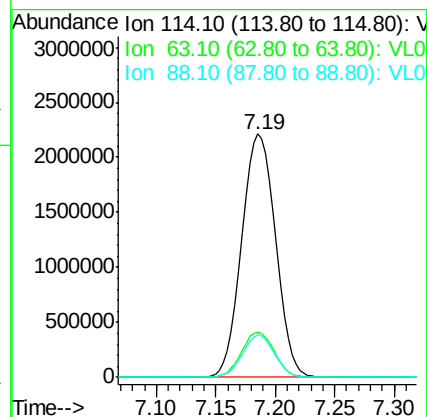
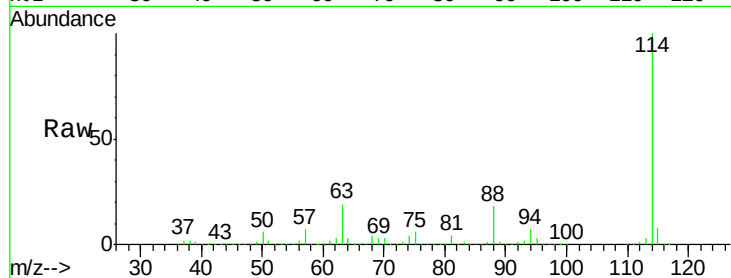




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

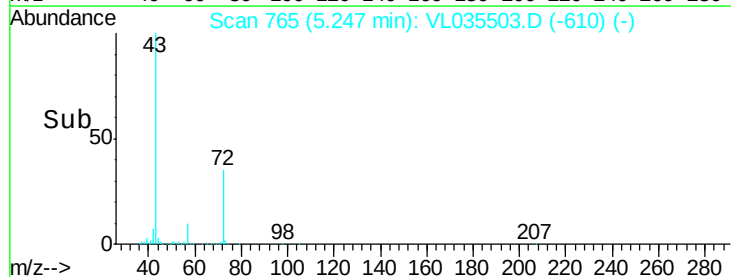
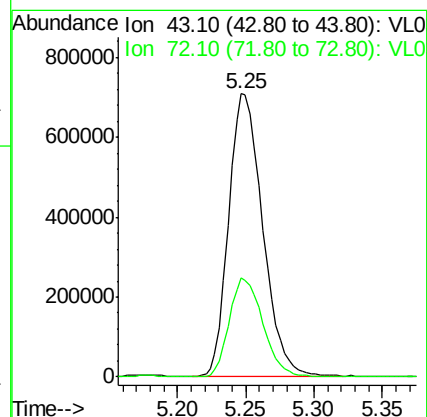
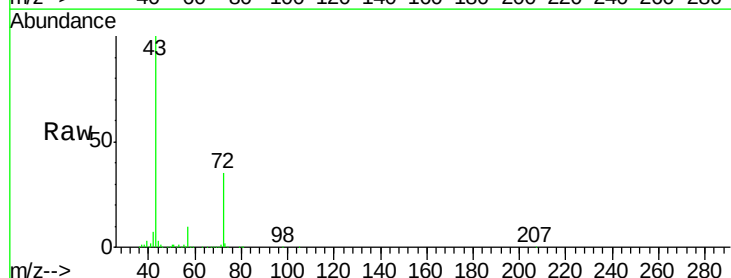
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

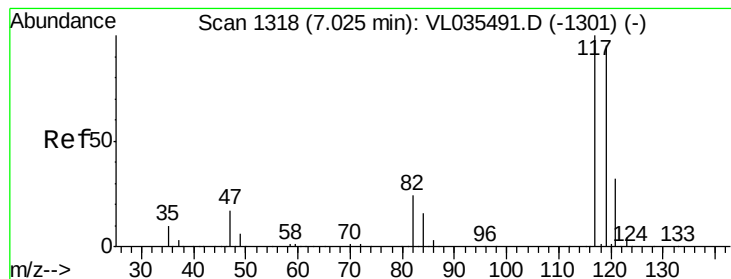
Tot Ion:114 Resp: 4374088
 Ion Ratio Lower Upper
 114 100
 63 18.2 14.3 21.5
 88 16.6 13.2 19.8



#34
 2-Butanone
 Concen: 9.555 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

Tgt Ion: 43 Resp: 1227593
 Ion Ratio Lower Upper
 43 100
 72 34.8 27.6 41.4





#35

Carbon Tetrachloride

Concen: 10.667 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

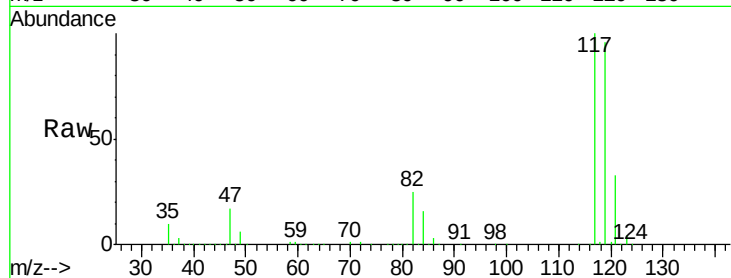
Tot Ion:117 Resp: 2273776

Ion Ratio Lower Upper

117 100

119 96.5 75.6 113.4

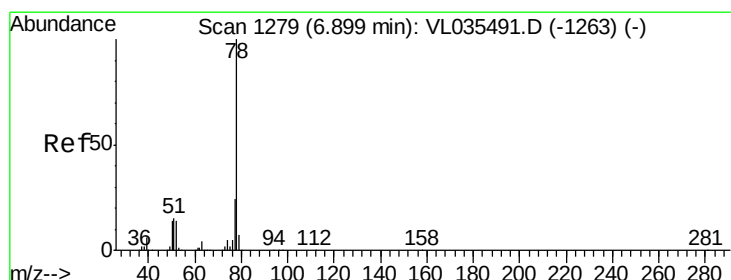
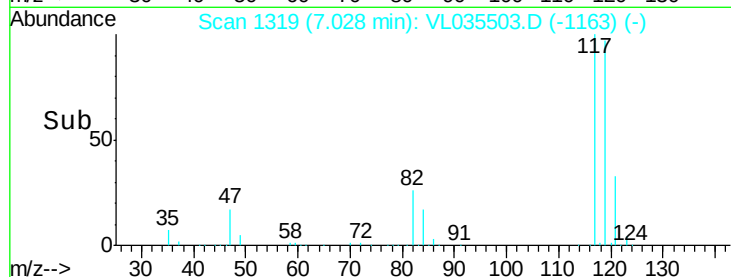
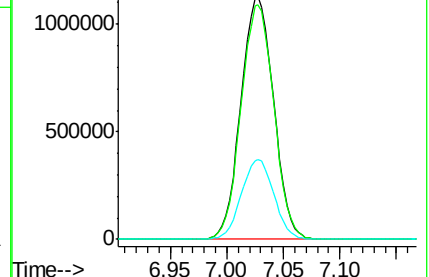
121 32.9 25.6 38.4



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: 9.447 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

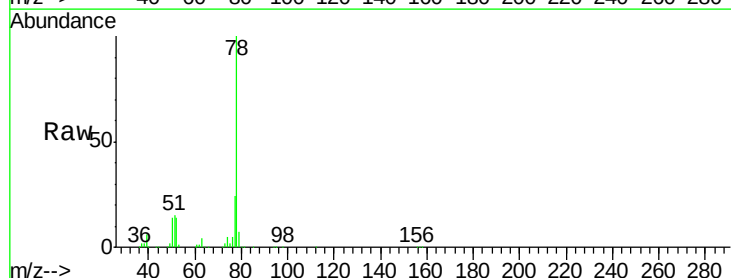
Tgt Ion: 78 Resp: 2713921

Ion Ratio Lower Upper

78 100

77 24.3 19.2 28.8

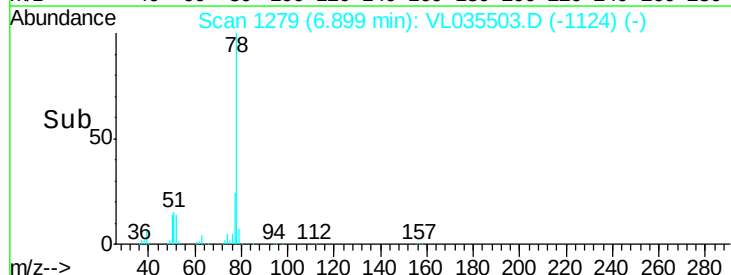
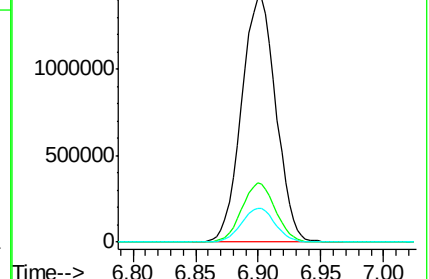
50 13.7 11.0 16.4

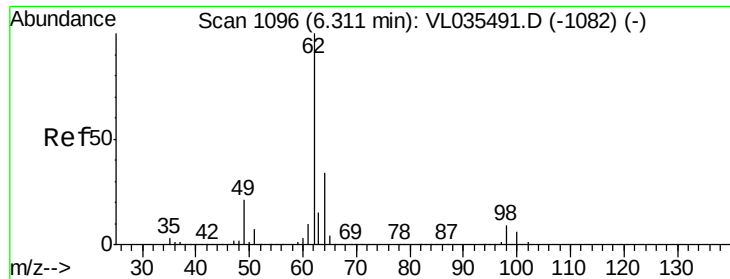


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

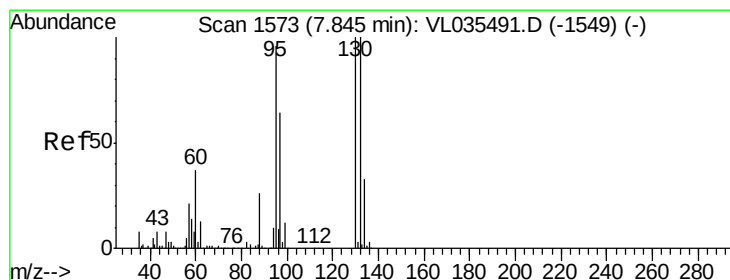
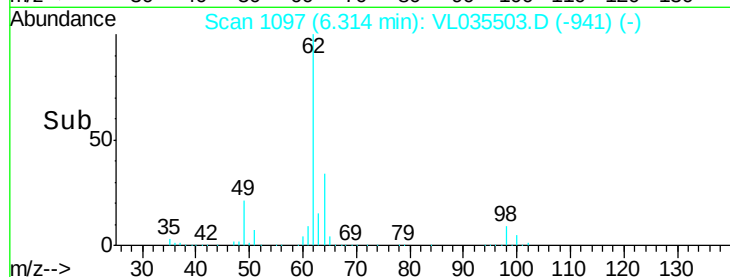
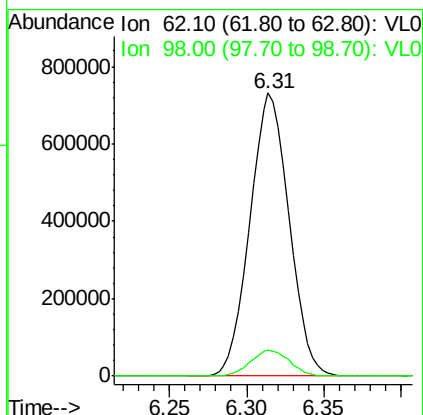
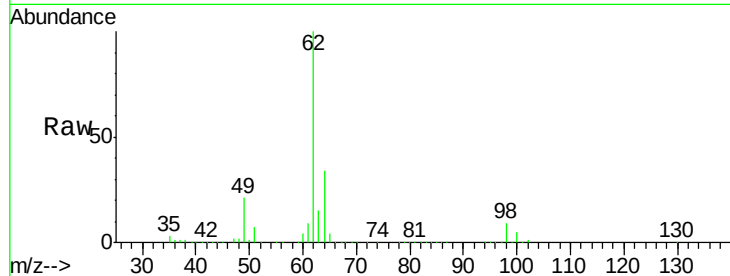




#37
 1,2-Dichloroethane
 Concen: 9.514 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

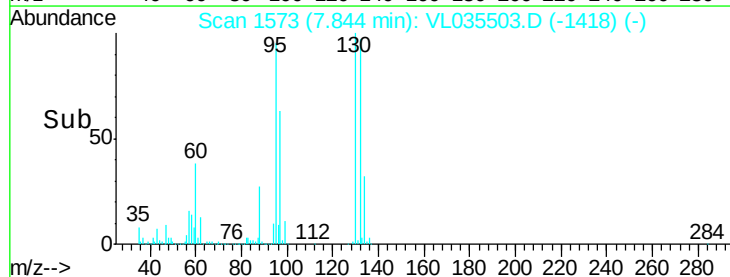
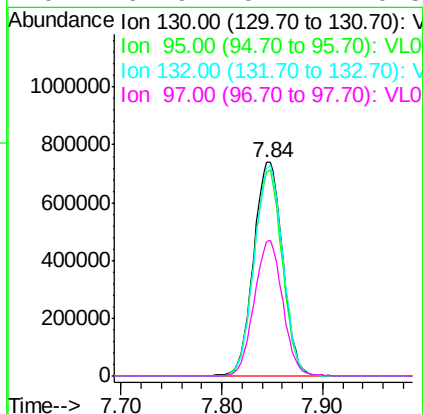
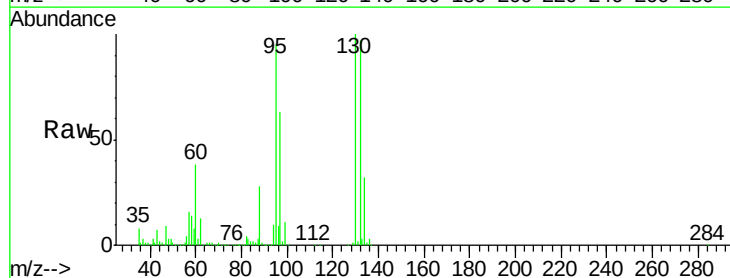
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

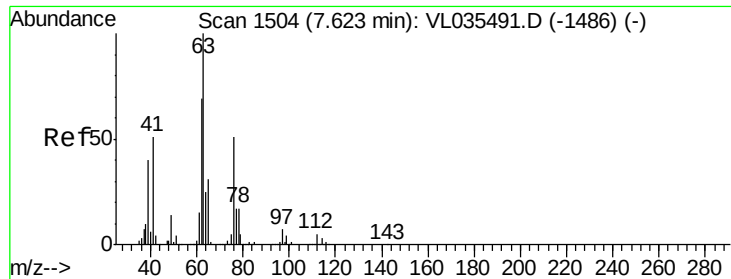
Tot Ion: 62 Resp: 1293270
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.2



#38
 Trichloroethene
 Concen: 9.297 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

Tgt Ion:130 Resp: 1477804
 Ion Ratio Lower Upper
 130 100
 95 95.4 76.9 115.3
 132 97.0 80.2 120.4
 97 62.9 51.2 76.8





#39

1,2-Dichloropropane

Concen: 9.441 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

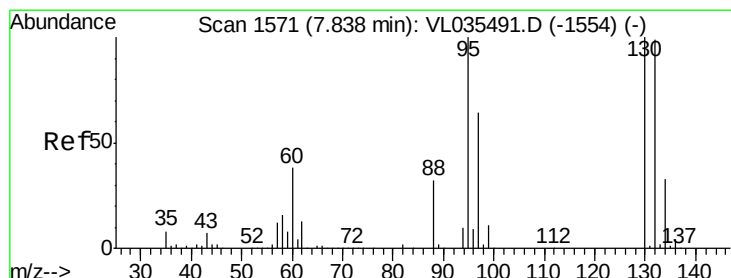
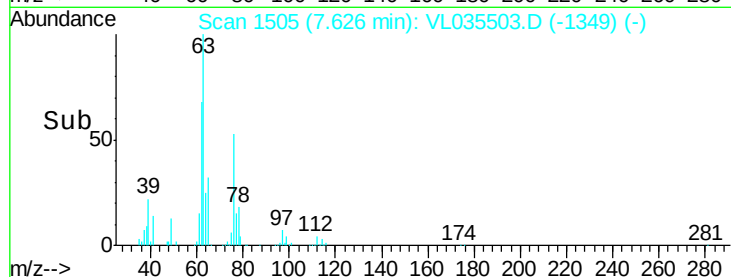
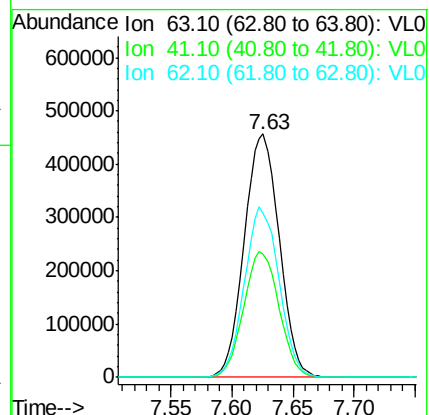
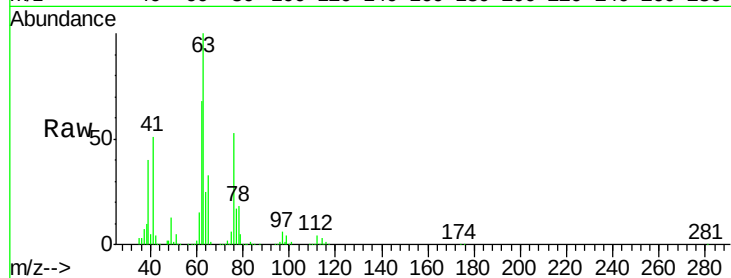
Tot Ion: 63 Resp: 905204

Ion Ratio Lower Upper

63 100

41 50.8 40.9 61.3

62 67.7 55.3 82.9



#40

1,4-Dioxane

Concen: 10.018 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Tgt Ion: 88 Resp: 475477

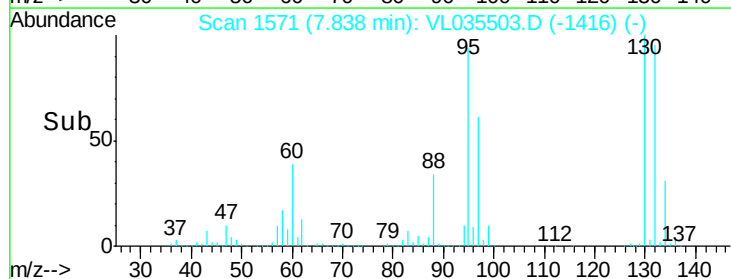
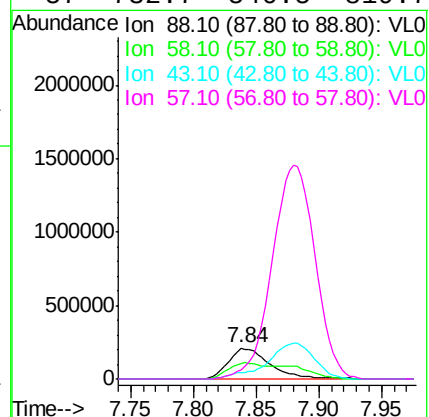
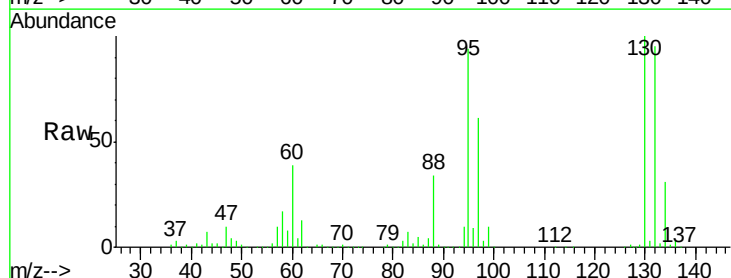
Ion Ratio Lower Upper

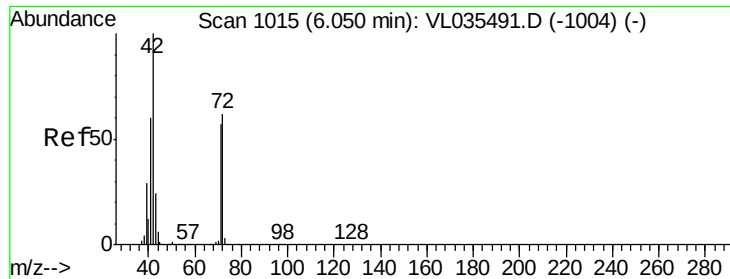
88 100

58 88.1 68.1 102.1

43 135.2 101.0 151.4

57 732.7 546.5 819.7

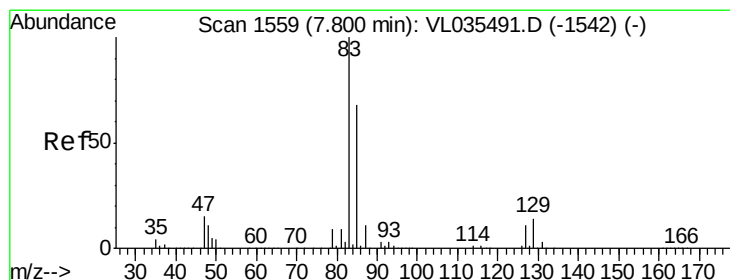
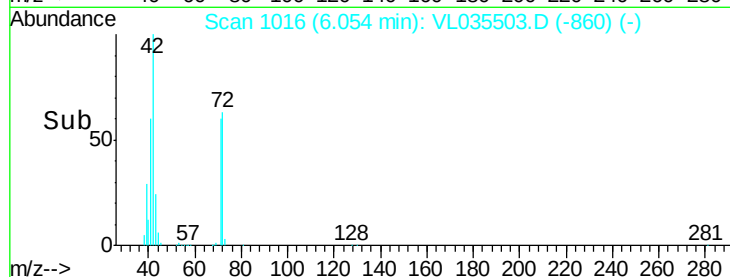
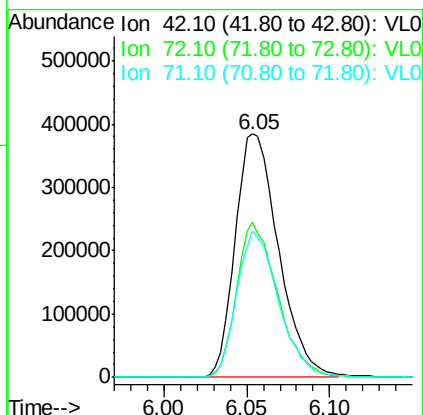
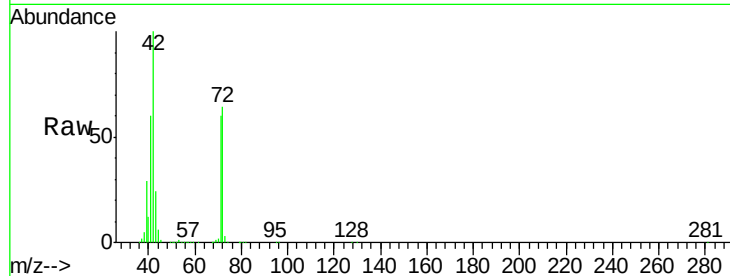




#41
Tetrahydrofuran
Concen: 10.018 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

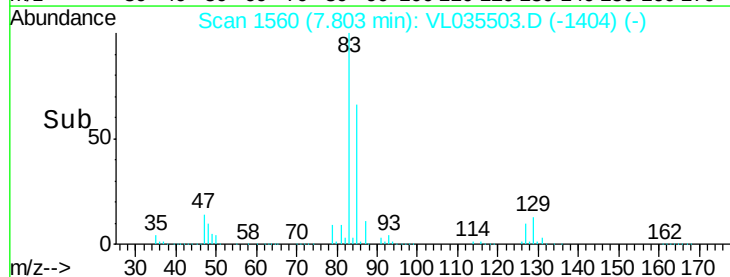
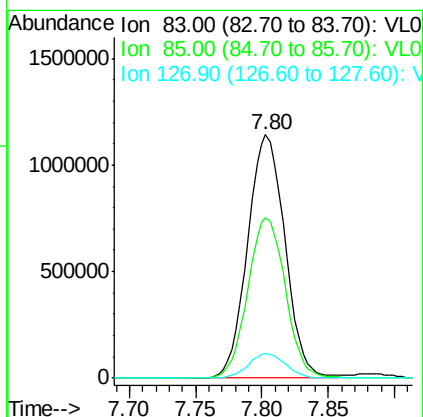
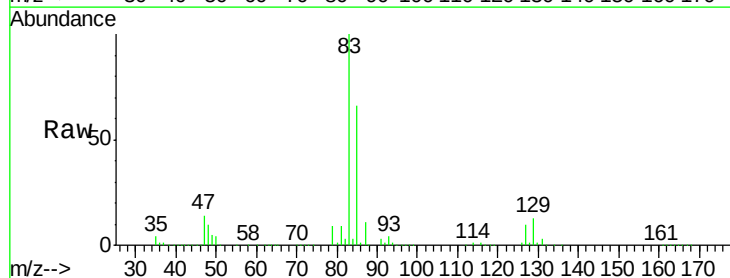
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

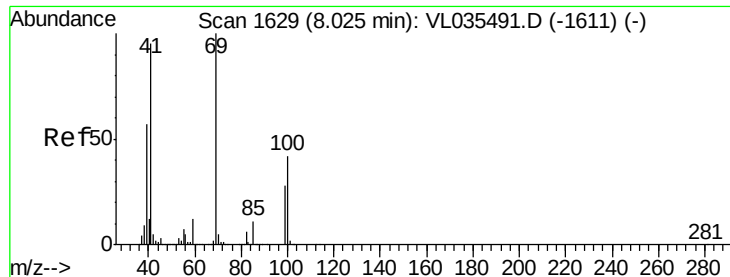
Tot Ion: 42 Resp: 699063
Ion Ratio Lower Upper
42 100
72 60.9 49.1 73.7
71 58.2 46.7 70.1



#42
Bromodichloromethane
Concen: 10.110 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Tgt Ion: 83 Resp: 2247568
Ion Ratio Lower Upper
83 100
85 65.6 54.8 82.2
127 10.0 8.6 13.0

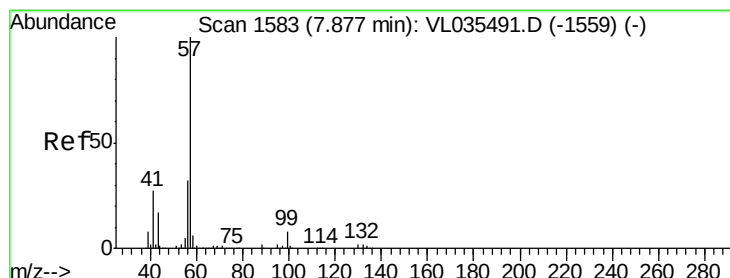
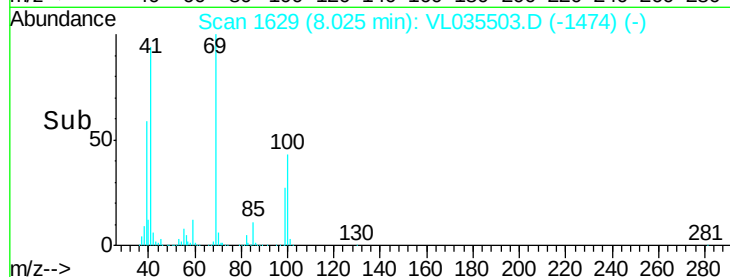
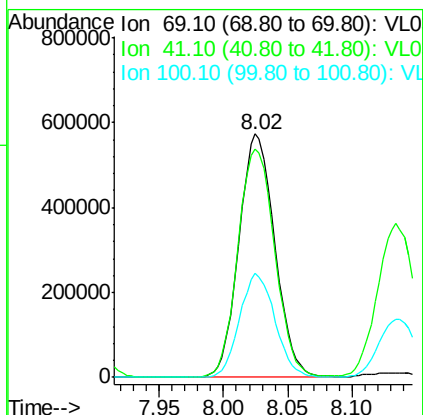
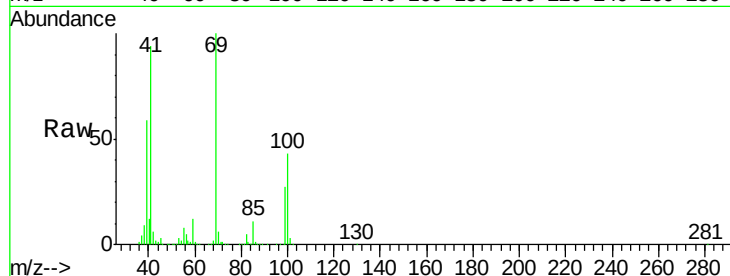




#43
Methyl Methacrylate
Concen: 10.034 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

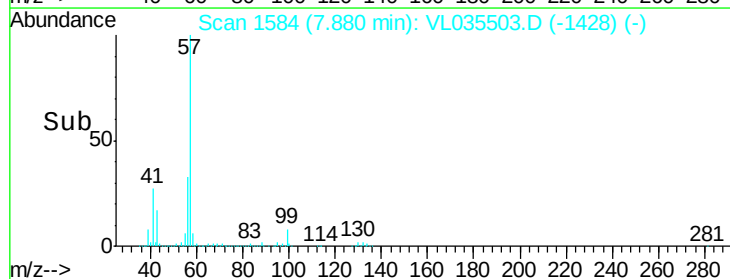
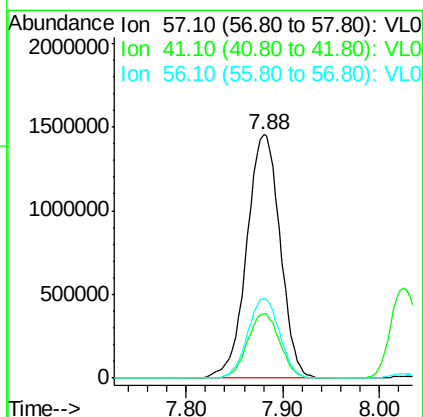
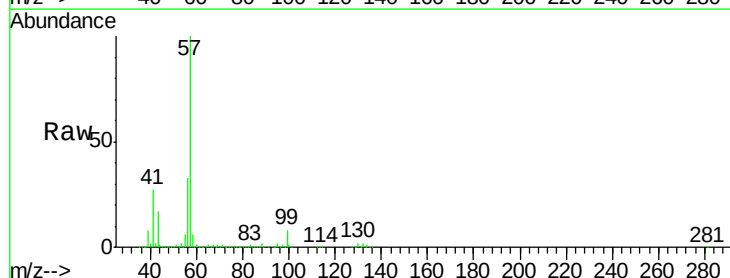
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

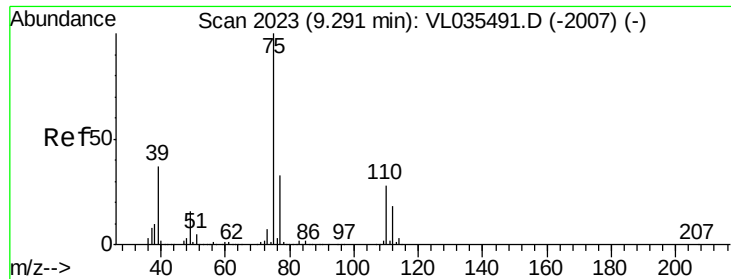
Tot Ion: 69 Resp: 1112824
Ion Ratio Lower Upper
69 100
41 96.6 76.1 114.1
100 42.3 34.2 51.4



#44
2,2,4-Trimethylpentane
Concen: 9.282 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Tgt Ion: 57 Resp: 3482080
Ion Ratio Lower Upper
57 100
41 25.7 20.7 31.1
56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.113 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

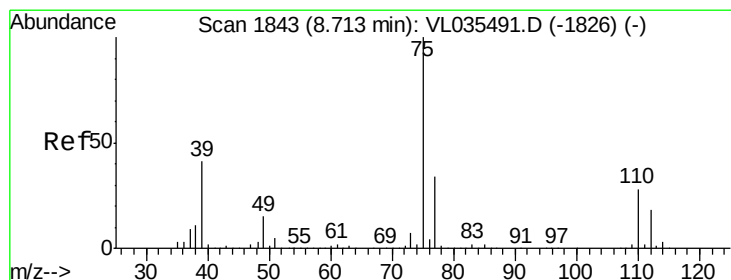
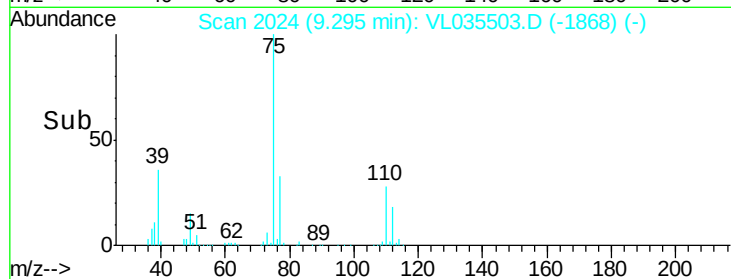
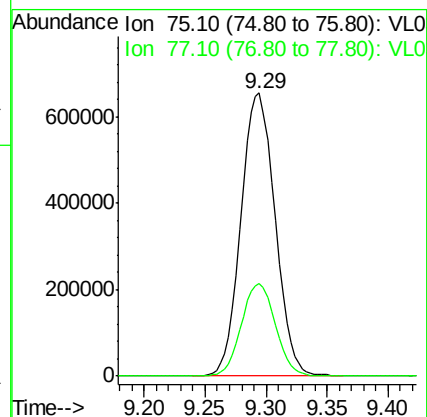
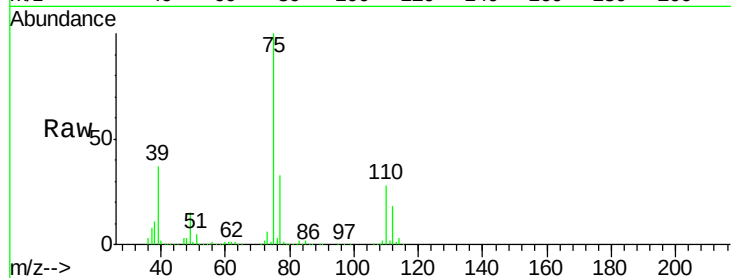
VSTDCCC010EC

Tot Ion: 75 Resp: 1266569

Ion Ratio Lower Upper

75 100

77 32.8 26.6 39.8



#46

cis-1,3-Dichloropropene

Concen: 10.705 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

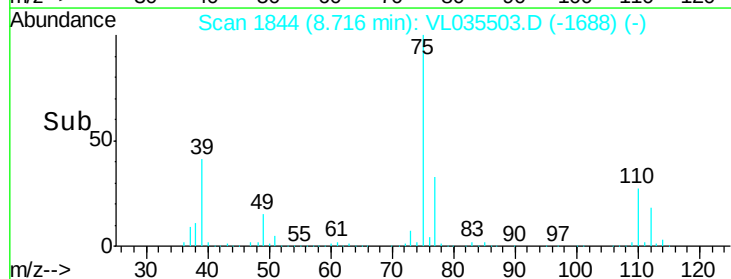
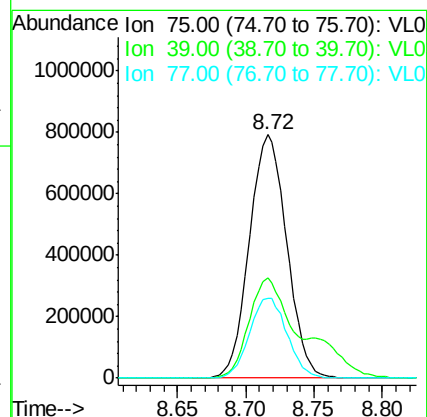
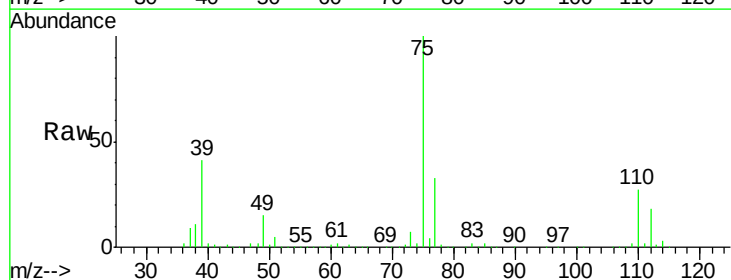
Tgt Ion: 75 Resp: 1510845

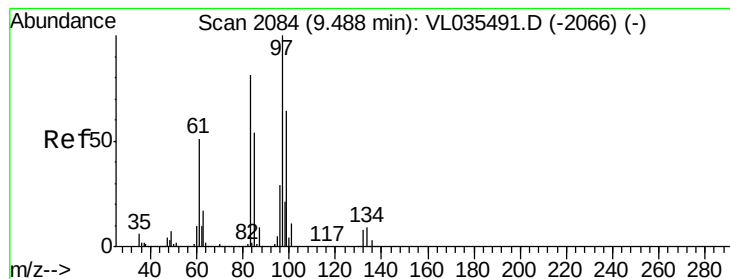
Ion Ratio Lower Upper

75 100

39 41.4 33.2 49.8

77 32.8 27.1 40.7





#47

1,1,2-Trichloroethane

Concen: 9.388 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1351384

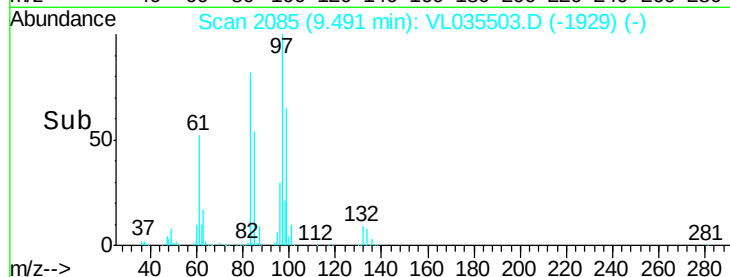
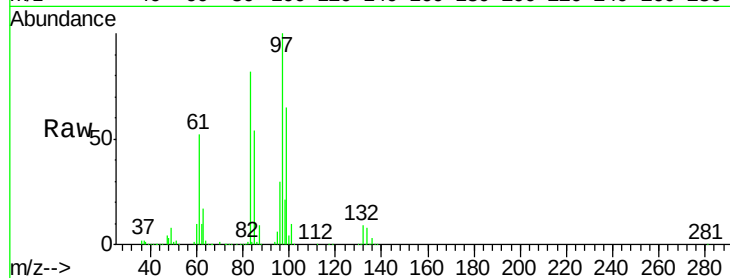
Ion Ratio Lower Upper

97 100

83 82.4 64.9 97.3

85 53.6 43.1 64.7

99 64.6 51.5 77.3

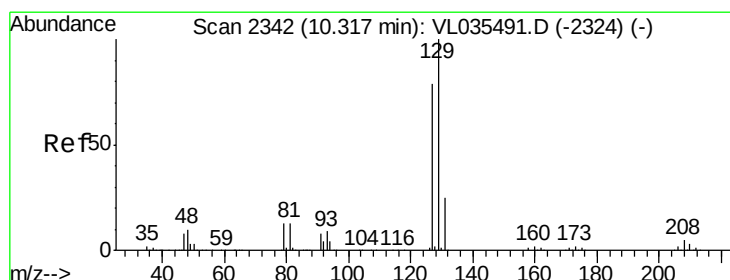
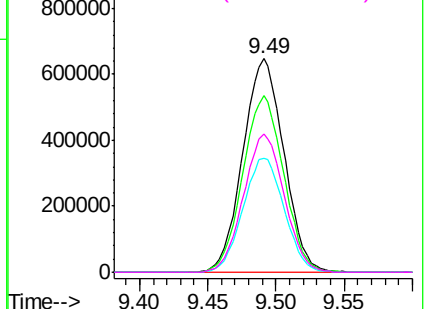


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.683 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VL035503.D

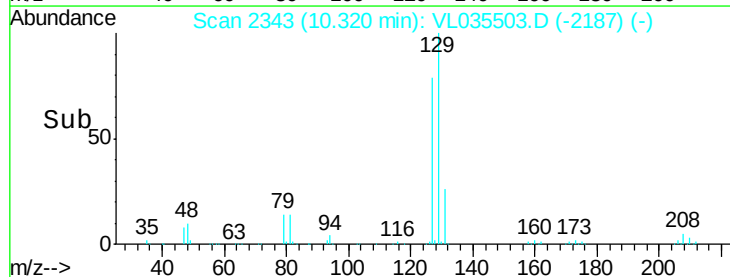
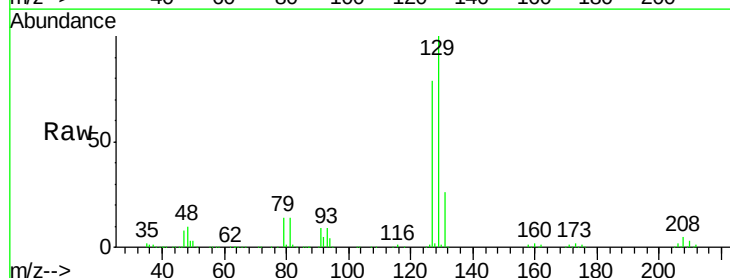
Acq: 23 Aug 2020 19:17

Tgt Ion: 129 Resp: 2447930

Ion Ratio Lower Upper

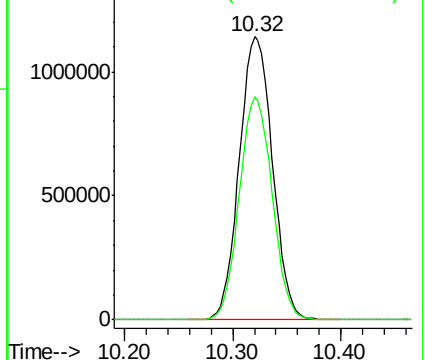
129 100

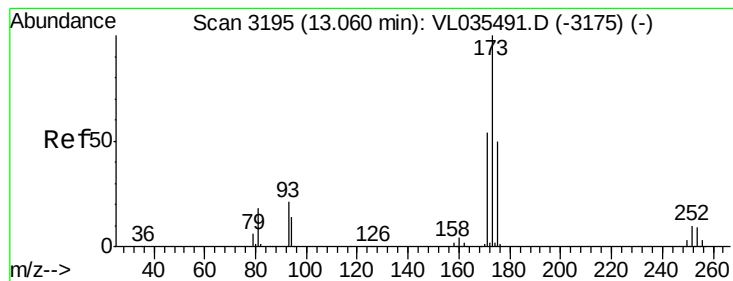
127 78.2 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.044 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

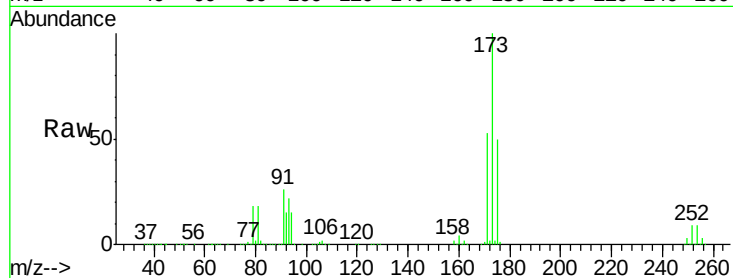
Tot Ion:173 Resp: 2350685

Ion Ratio Lower Upper

173 100

175 50.0 40.2 60.4

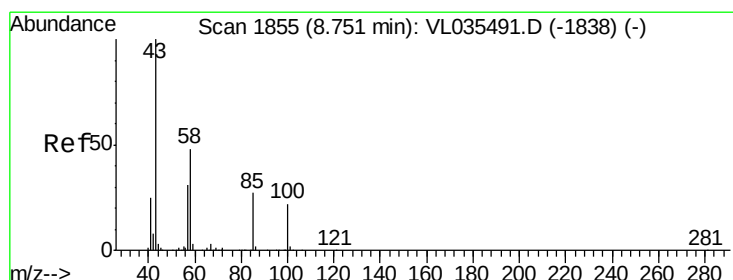
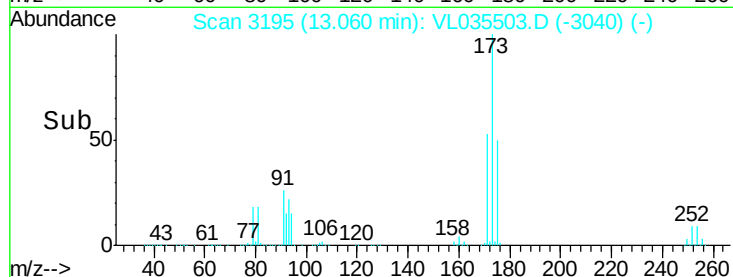
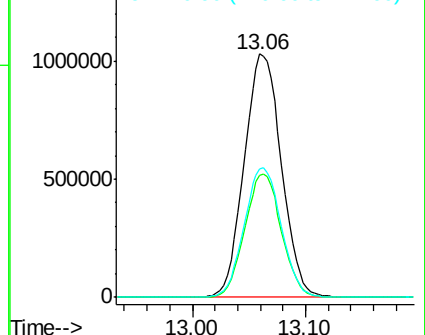
171 53.3 42.7 64.1



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: 10.018 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VL035503.D

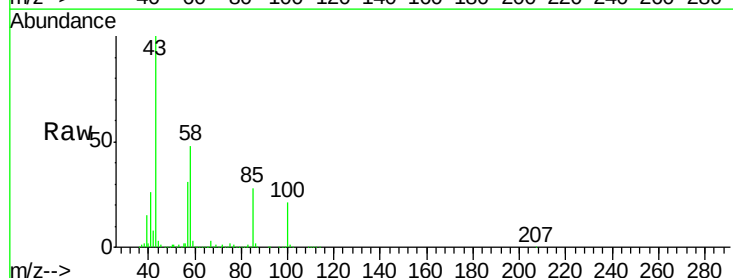
Acq: 23 Aug 2020 19:17

Tgt Ion: 43 Resp: 1851443

Ion Ratio Lower Upper

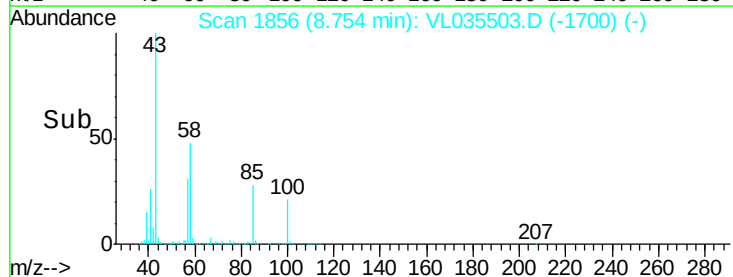
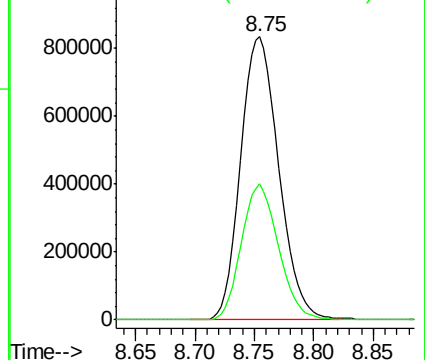
43 100

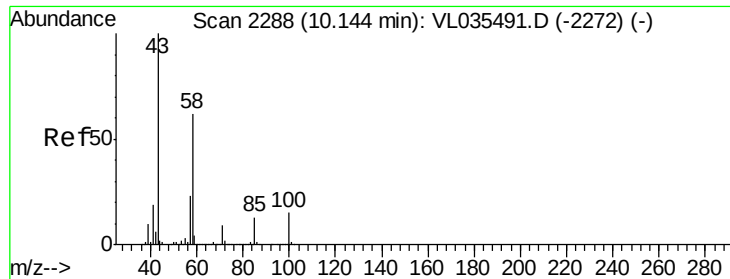
58 46.9 37.4 56.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

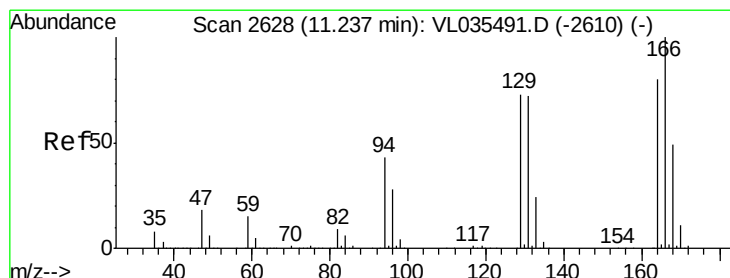
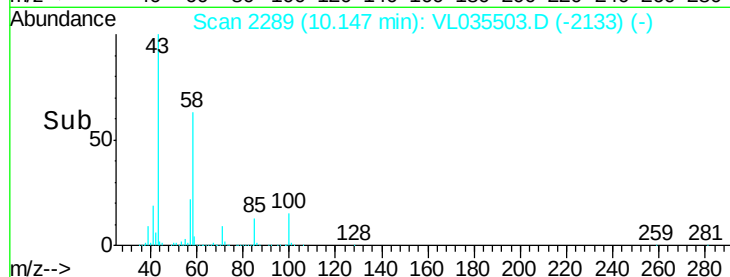
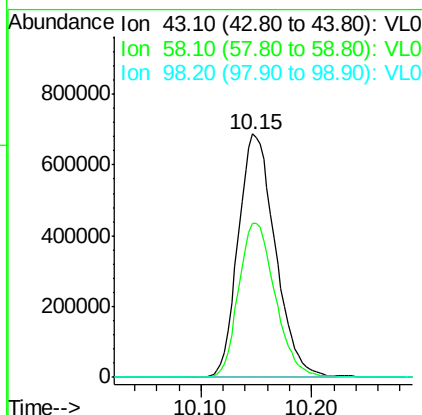
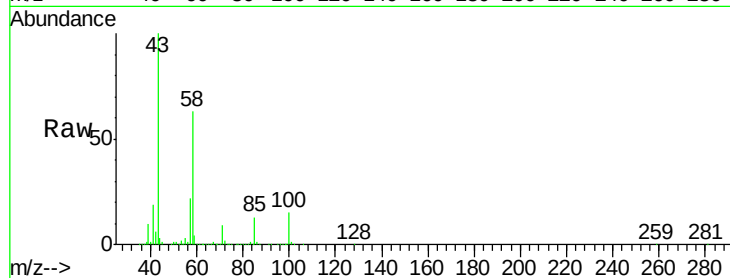




#51
2-Hexanone
Concen: 10.615 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

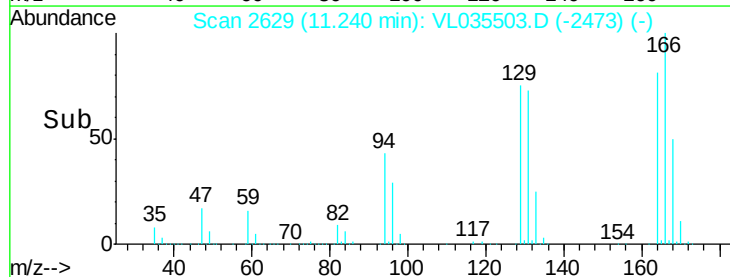
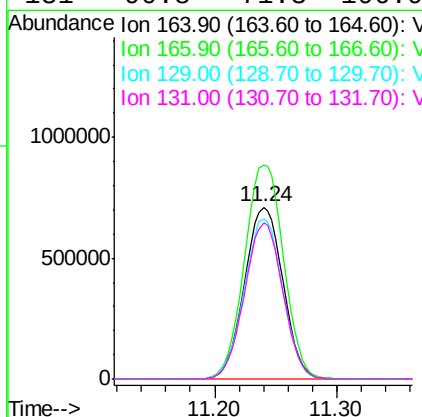
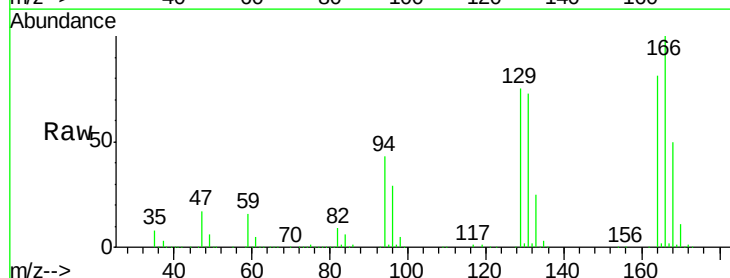
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

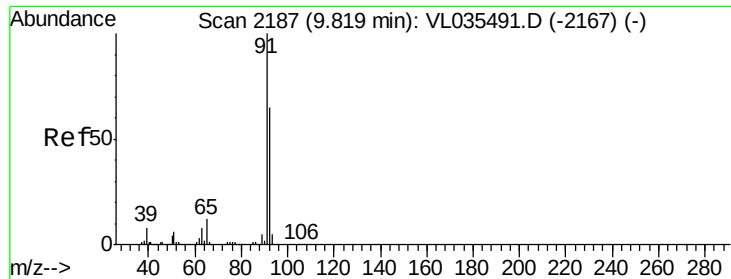
Tot Ion: 43 Resp: 1602516
Ion Ratio Lower Upper
43 100
58 62.7 50.3 75.5
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 9.243 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Tgt Ion: 164 Resp: 1546208
Ion Ratio Lower Upper
164 100
166 124.1 99.6 149.4
129 93.3 72.8 109.2
131 90.8 71.3 106.9





#53

Toluene

Concen: 9.713 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

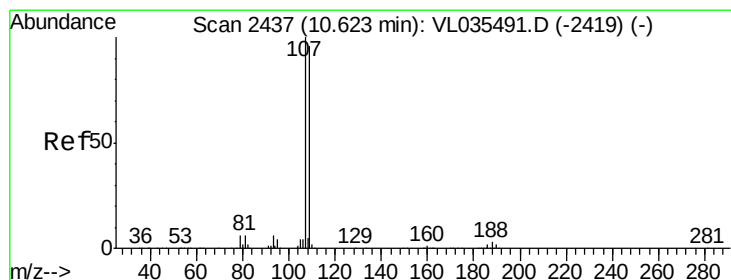
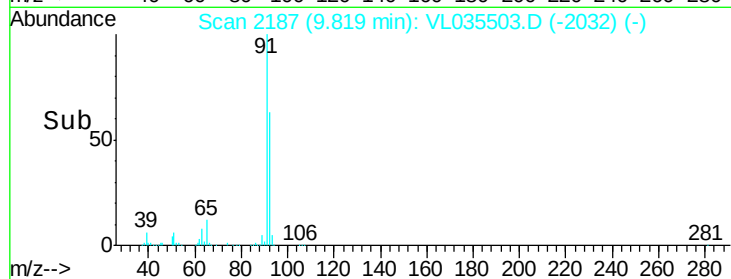
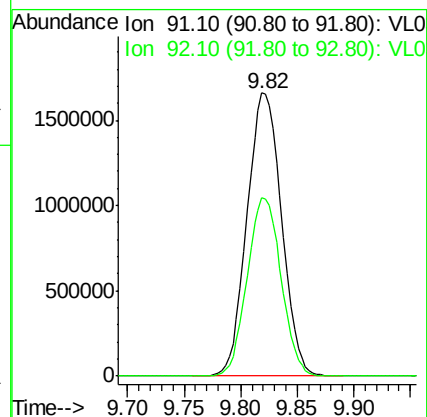
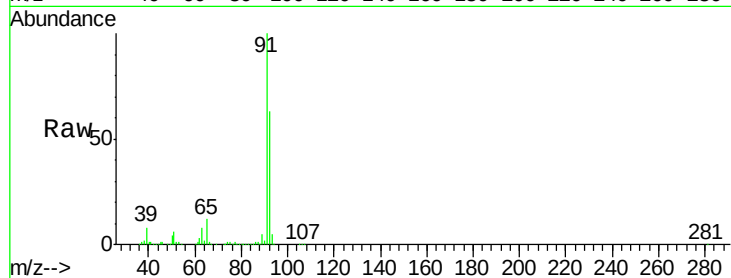
VSTDCCC010EC

Tot Ion: 91 Resp: 3530949

Ion Ratio Lower Upper

91 100

92 61.9 49.9 74.9



#54

1,2-Dibromoethane

Concen: 9.536 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL035503.D

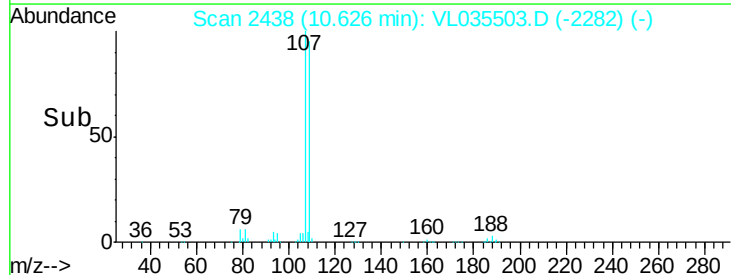
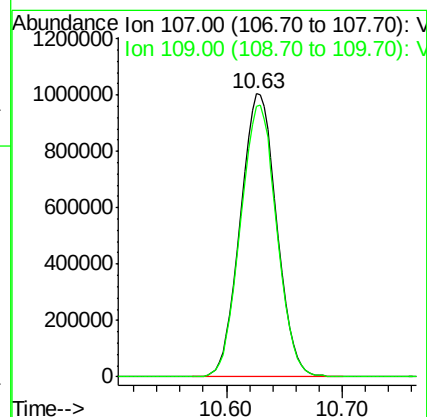
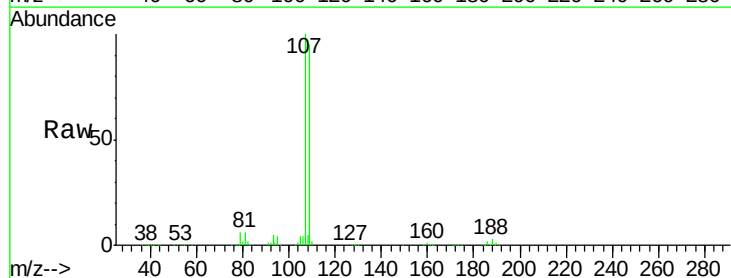
Acq: 23 Aug 2020 19:17

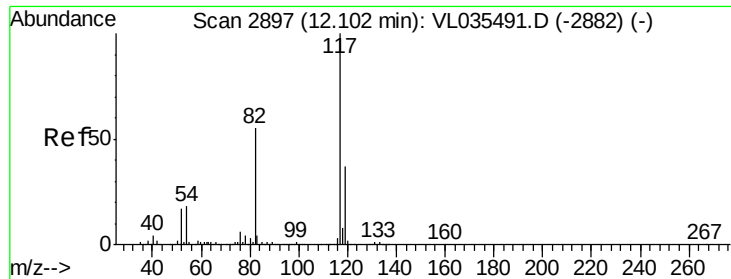
Tgt Ion: 107 Resp: 2180881

Ion Ratio Lower Upper

107 100

109 95.3 76.5 114.7

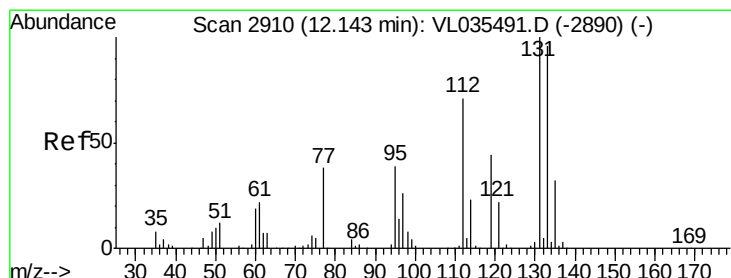
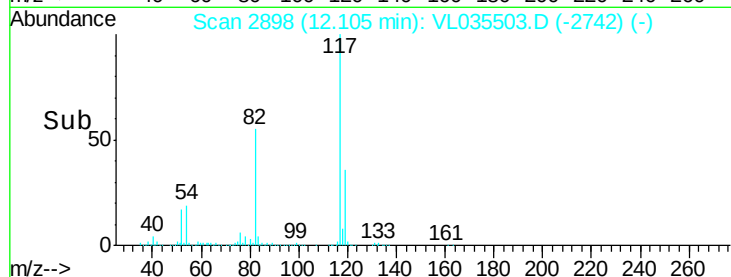
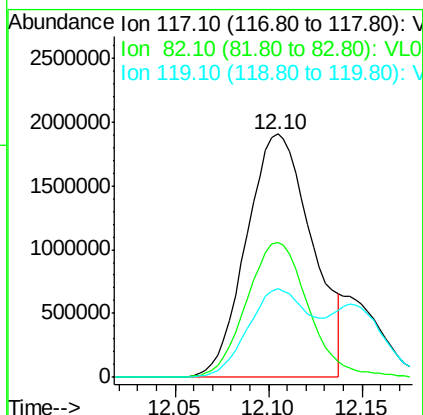
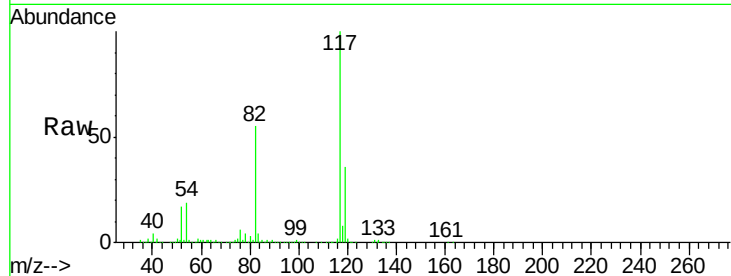




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

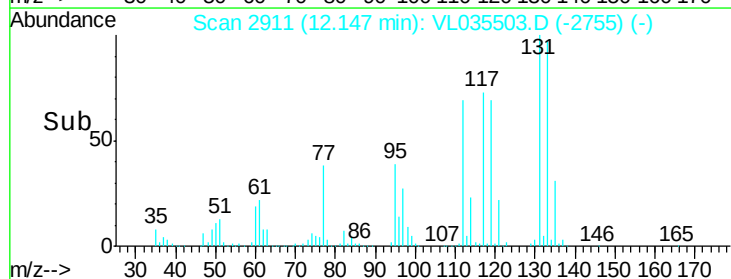
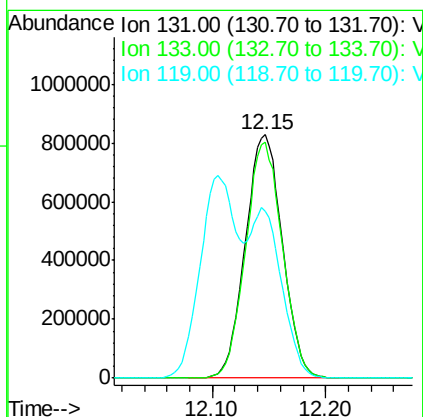
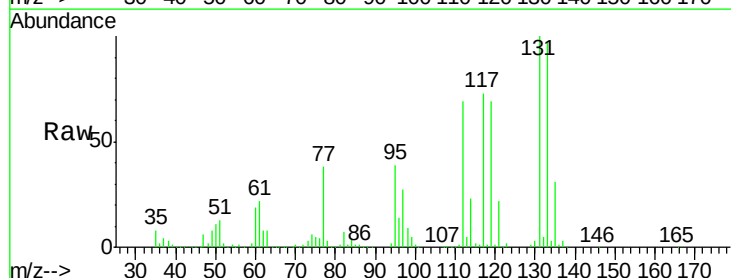
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

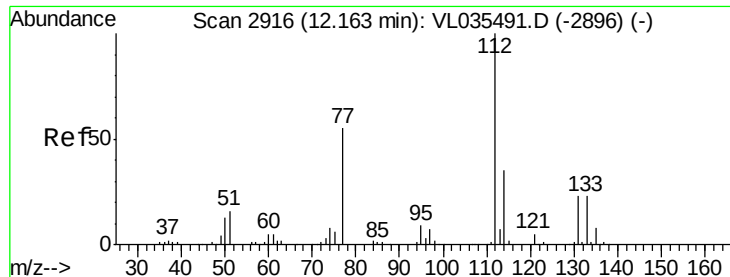
Tot Ion:117 Resp: 4640273
Ion Ratio Lower Upper
117 100
82 52.7 43.9 65.9
119 33.9 30.4 45.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.579 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Tgt Ion:131 Resp: 1883844
Ion Ratio Lower Upper
131 100
133 96.5 76.9 115.3
119 62.2 45.3 67.9





#57

Chlorobenzene

Concen: 8.735 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

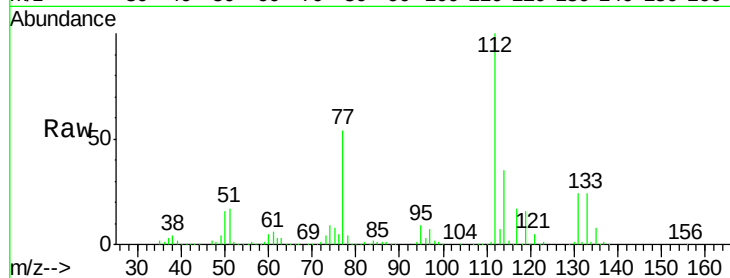
Tot Ion:112 Resp: 3052197

Ion Ratio Lower Upper

112 100

77 53.8 45.2 67.8

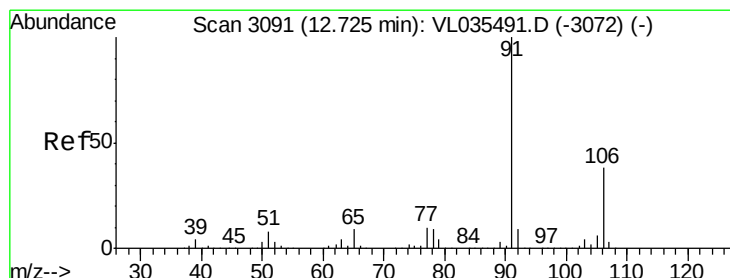
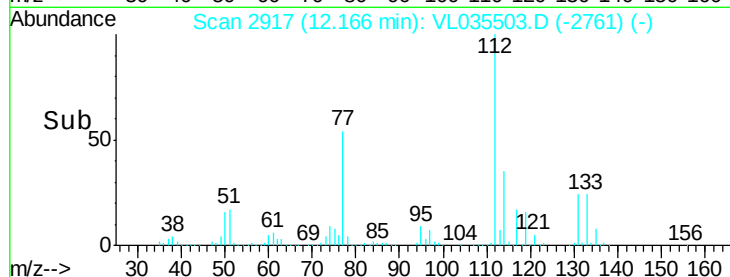
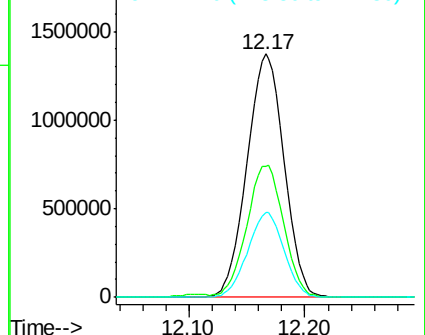
114 34.9 31.6 38.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.312 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.00 min

Lab File: VL035503.D

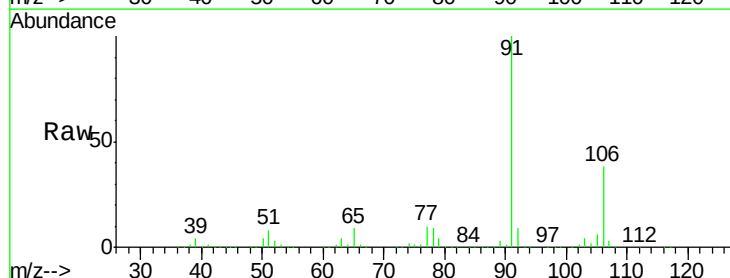
Acq: 23 Aug 2020 19:17

Tgt Ion: 91 Resp: 4639168

Ion Ratio Lower Upper

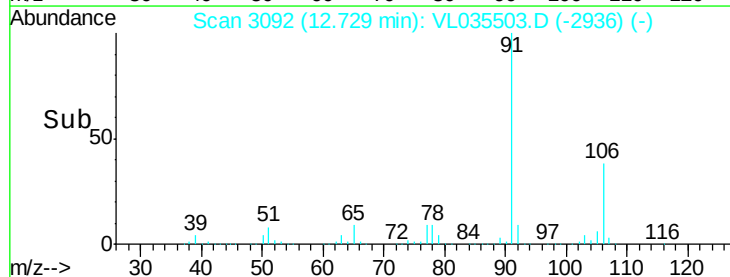
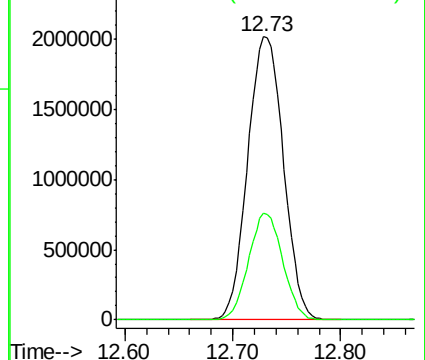
91 100

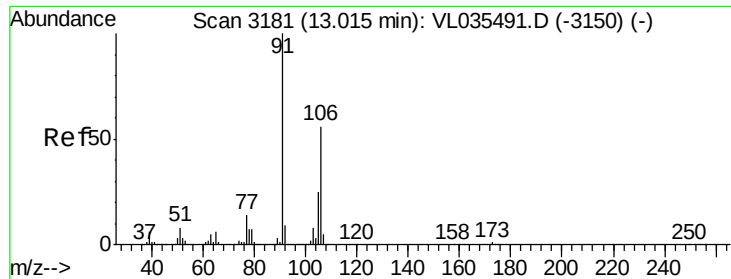
106 37.6 30.2 45.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

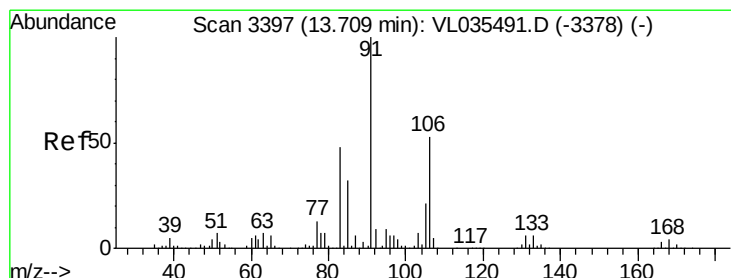
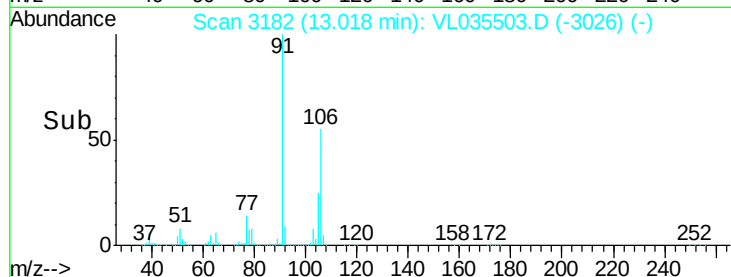
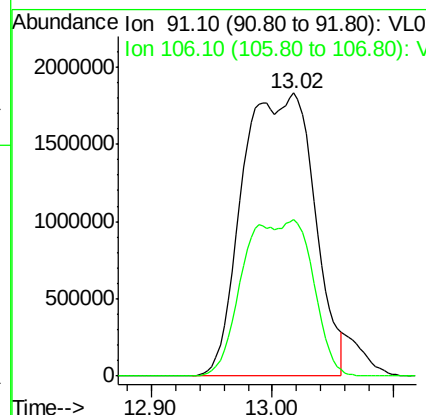
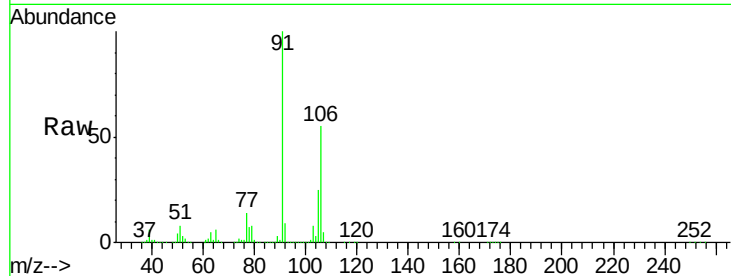




#59
m/p-Xylene
Concen: 17.696 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

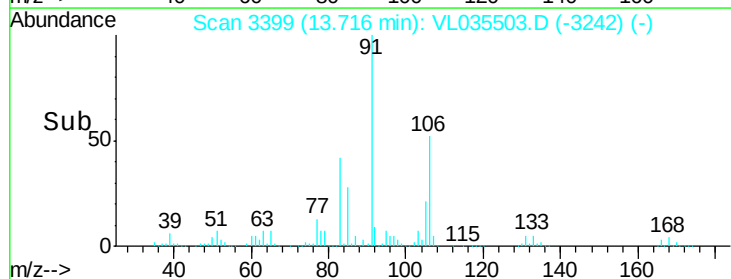
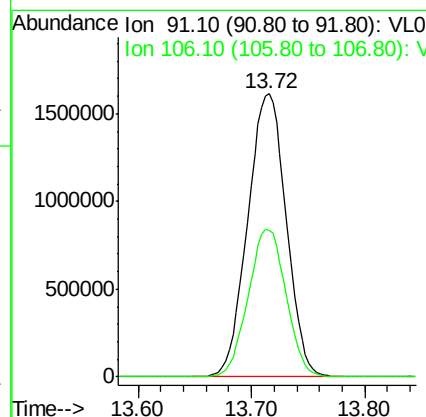
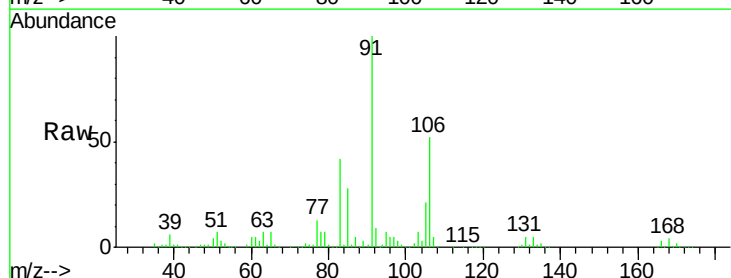
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

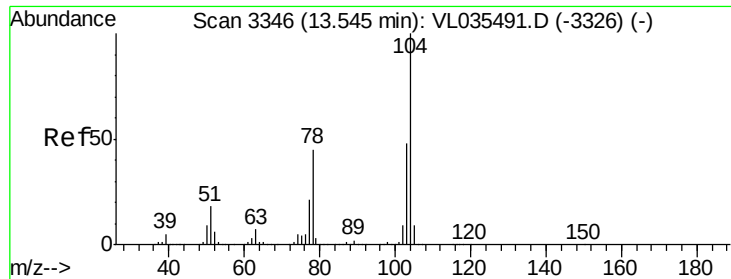
Tot Ion: 91 Resp: 7503901
Ion Ratio Lower Upper
91 100
106 53.6 42.6 63.8



#60
o-Xylene
Concen: 9.166 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.01 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Tgt Ion: 91 Resp: 3815134
Ion Ratio Lower Upper
91 100
106 51.5 25.9 77.7

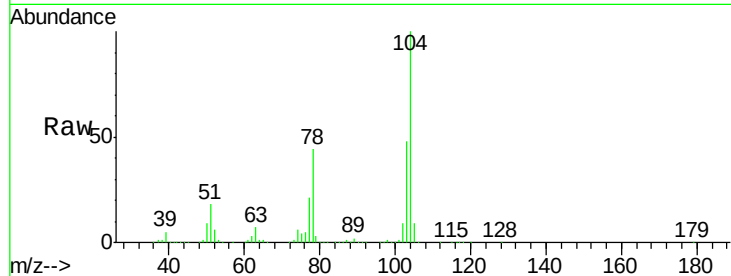




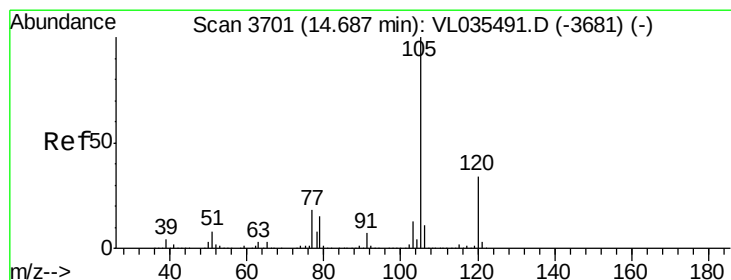
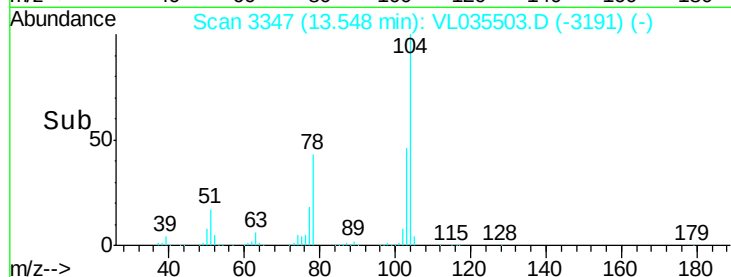
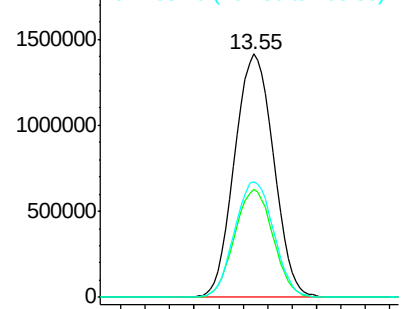
#61
Stvrene
Concen: 9.768 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 3134045
Ion Ratio Lower Upper
104 100
78 43.8 34.7 52.1
103 47.7 38.2 57.2

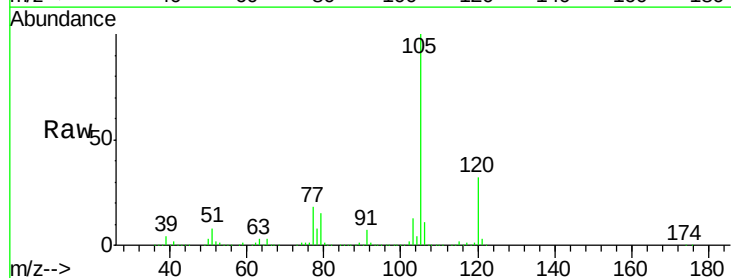


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V

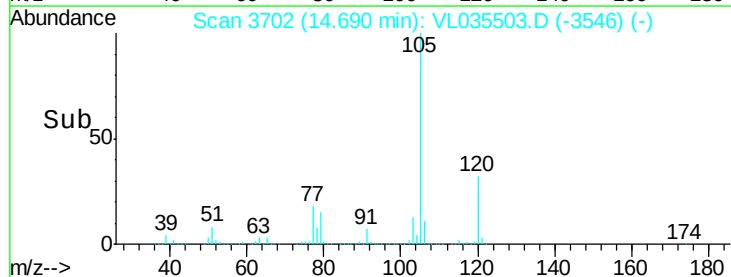
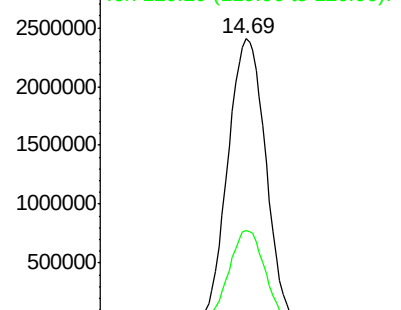


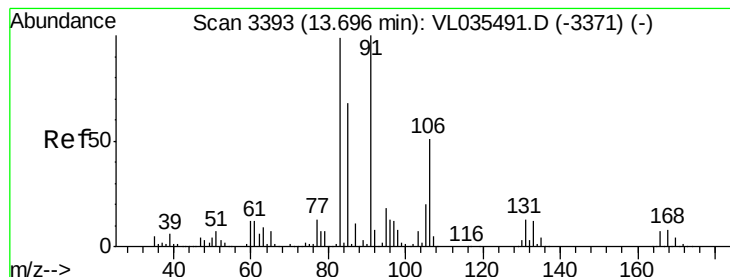
#62
Isopropylbenzene
Concen: 8.895 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

Tgt Ion:105 Resp: 5997455
Ion Ratio Lower Upper
105 100
120 30.8 25.0 37.4



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: 8.866 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

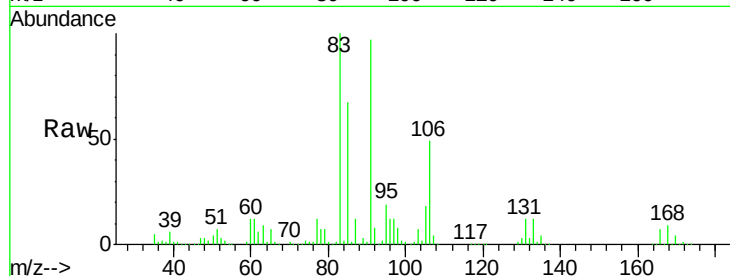
Tot Ion: 83 Resp: 2685665

Ion Ratio Lower Upper

83 100

131 12.0 6.2 18.4

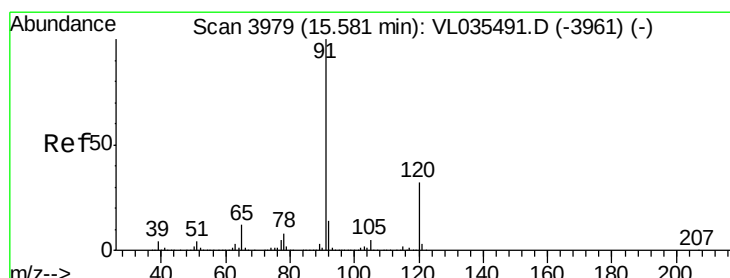
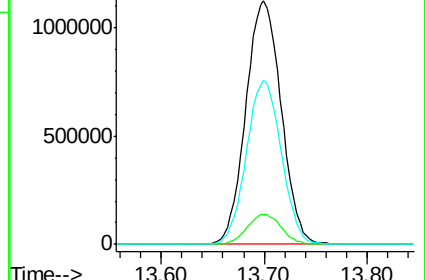
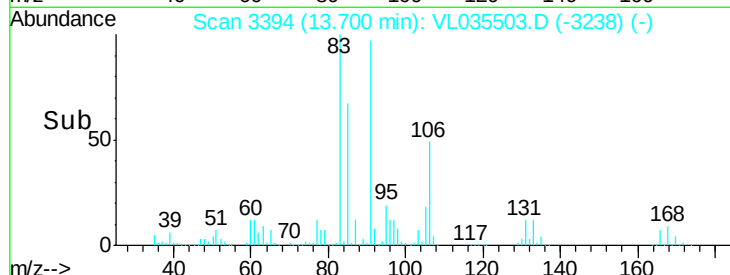
85 66.7 33.4 100.2



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: 9.311 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.00 min

Lab File: VL035503.D

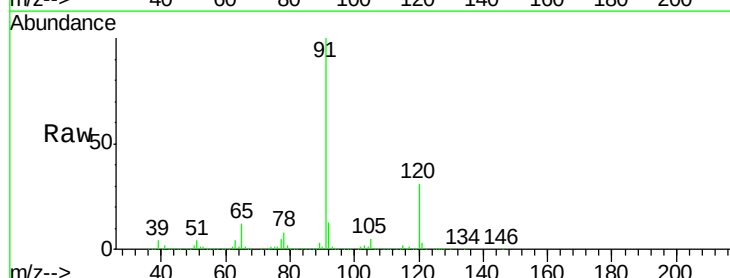
Acq: 23 Aug 2020 19:17

Tgt Ion:120 Resp: 1908047

Ion Ratio Lower Upper

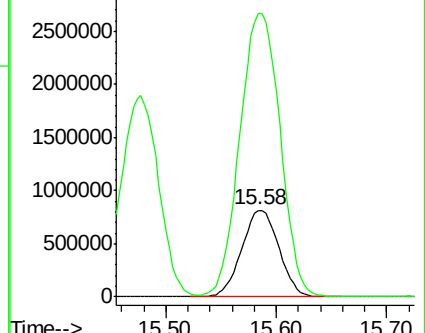
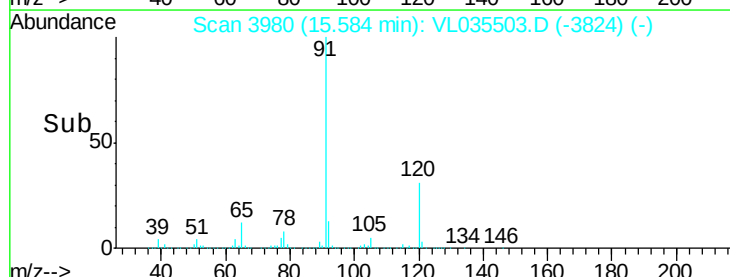
120 100

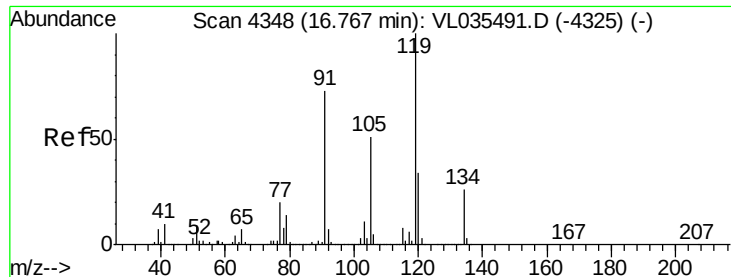
91 355.2 280.3 420.5



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.993 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

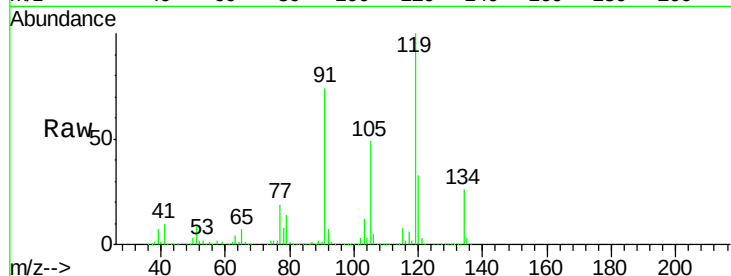
Tot Ion:119 Resp: 5762717

Ion Ratio Lower Upper

119 100

91 72.5 57.8 86.8

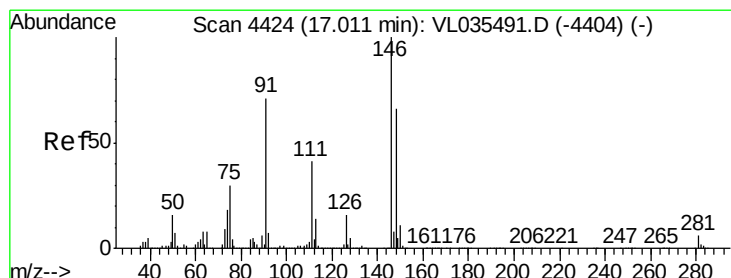
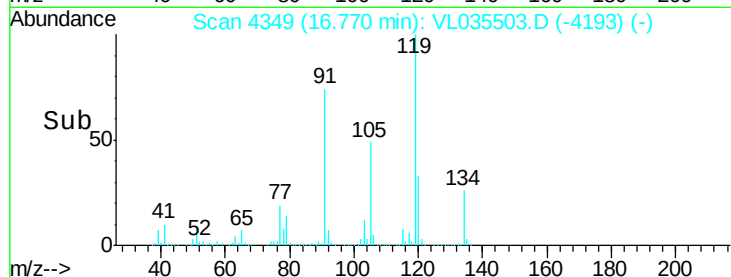
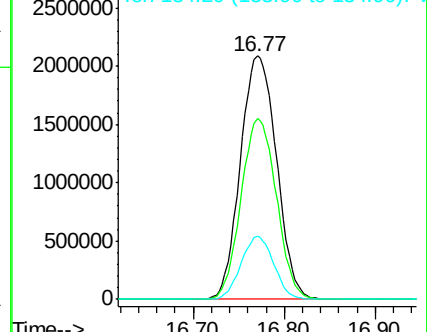
134 23.4 18.8 28.2



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: 11.565 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

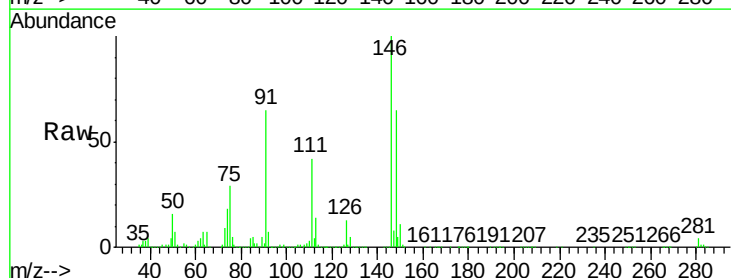
Tgt Ion: 91 Resp: 1815023

Ion Ratio Lower Upper

91 100

126 20.6 17.3 25.9

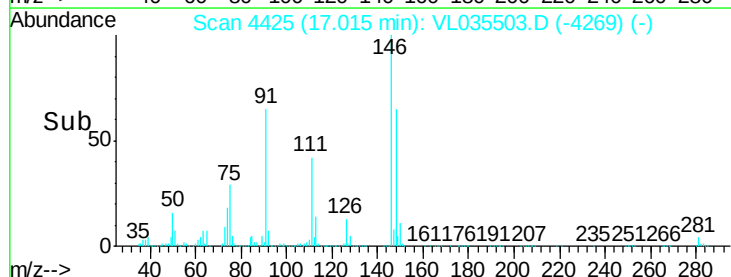
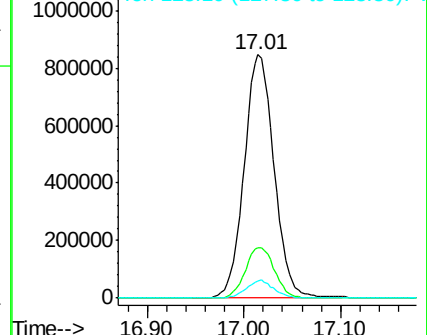
128 6.6 5.6 8.4

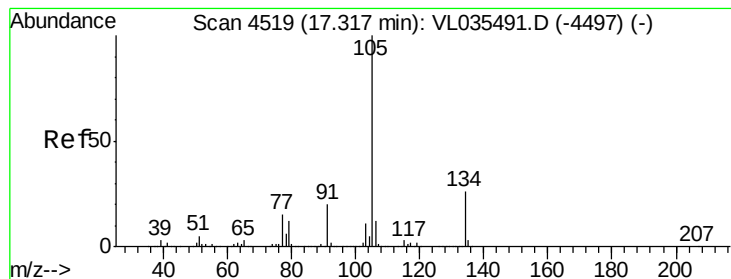


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.783 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

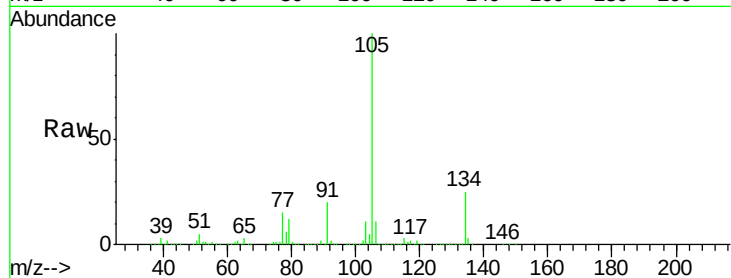
VSTDCCC010EC

Tot Ion:105 Resp: 7478171

Ion Ratio Lower Upper

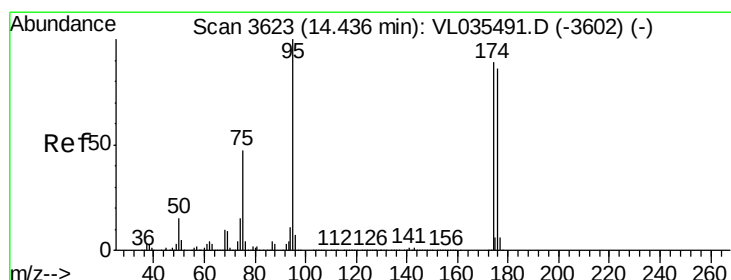
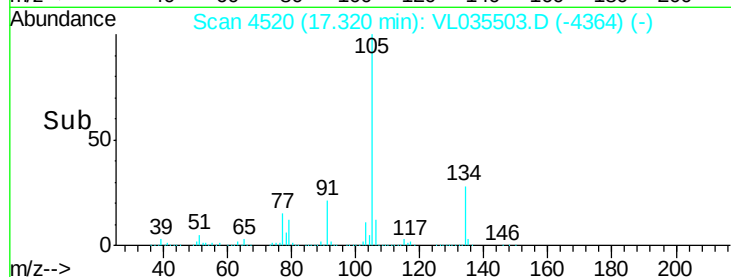
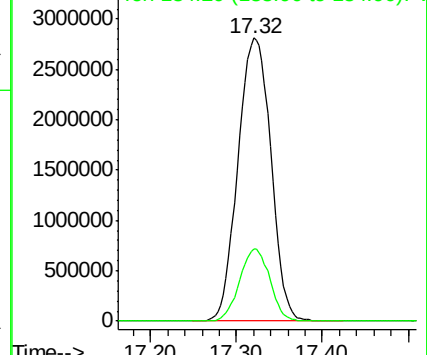
105 100

134 23.4 19.1 28.7



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: 9.849 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

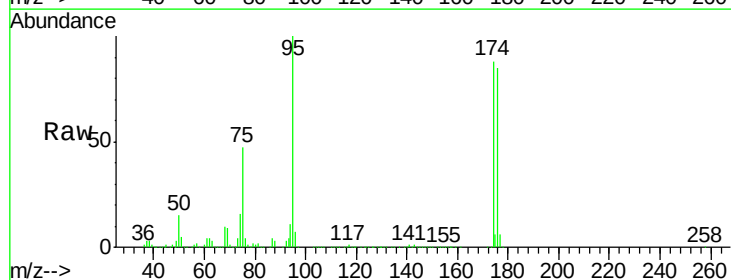
Tgt Ion: 95 Resp: 3265873

Ion Ratio Lower Upper

95 100

174 87.9 70.9 106.3

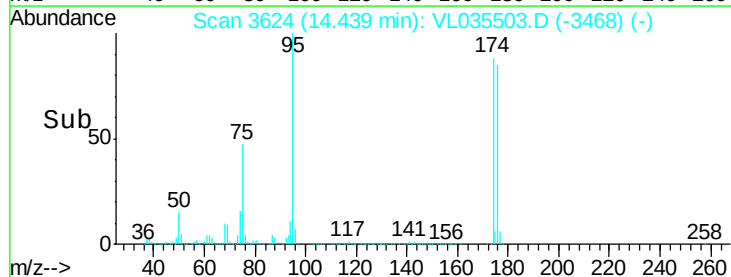
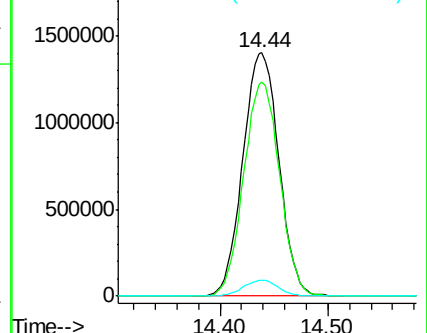
175 6.4 5.1 7.7

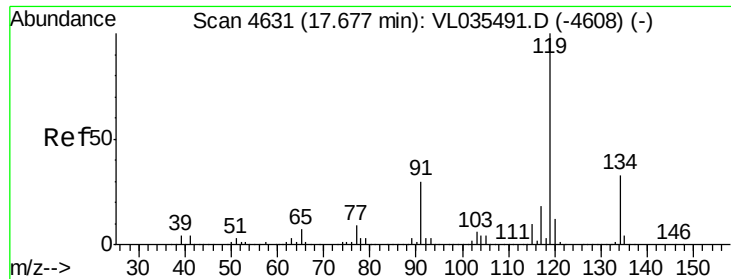


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



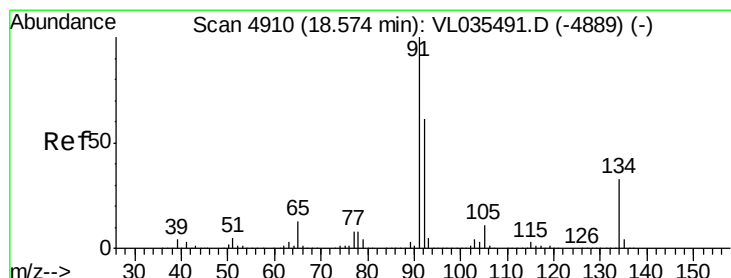
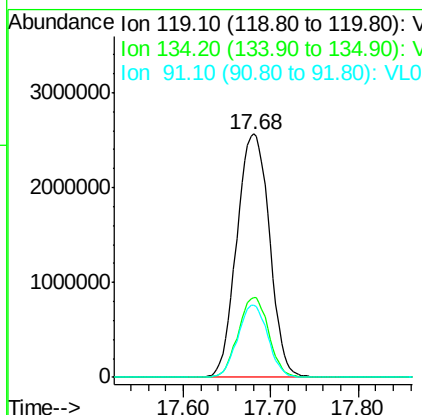
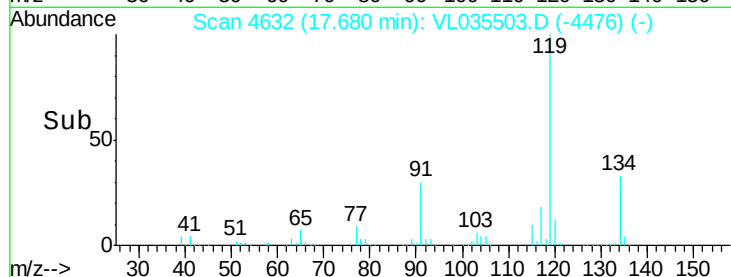
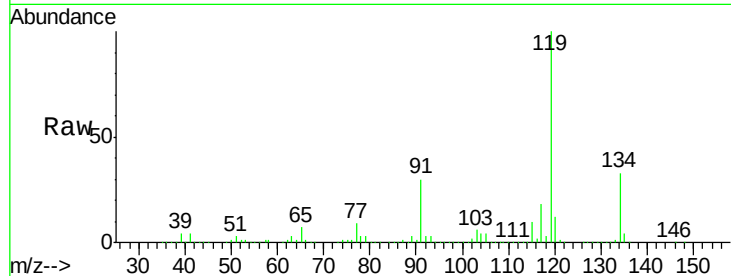


#69
 p-Isopropyltoluene
 Concen: 8.967 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 6654097

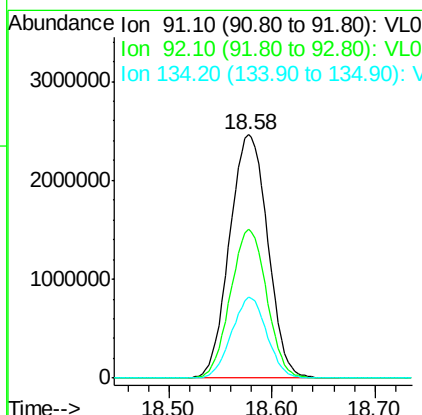
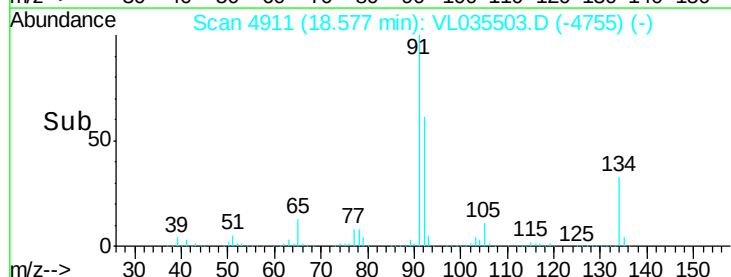
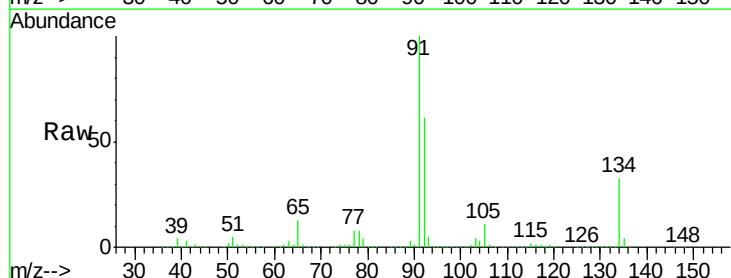
Ion	Ratio	Lower	Upper
119	100		
134	30.7	24.9	37.3
91	27.4	22.0	33.0

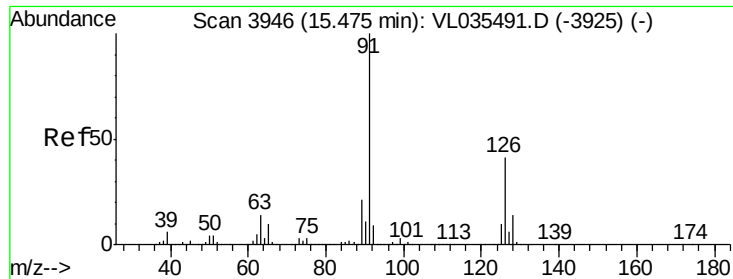


#70
 n-Butylbenzene
 Concen: 8.894 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

Tgt Ion: 91 Resp: 6328705

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.0	70.6
134	30.7	24.9	37.3





#71

2-Chlorotoluene

Concen: 9.237 ppbv

RT: 15.48 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

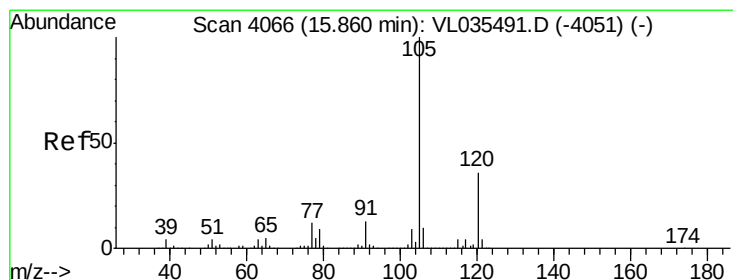
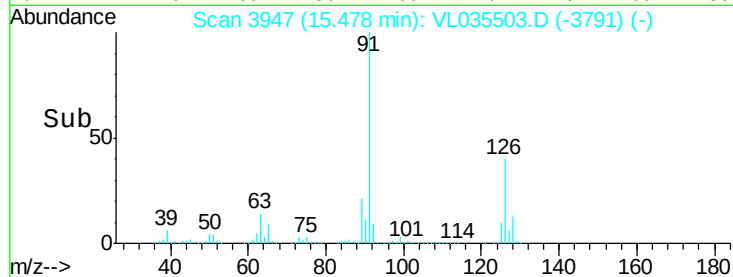
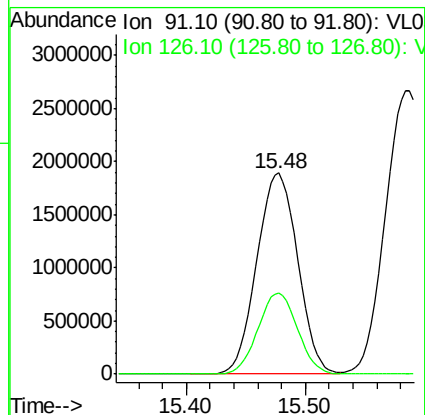
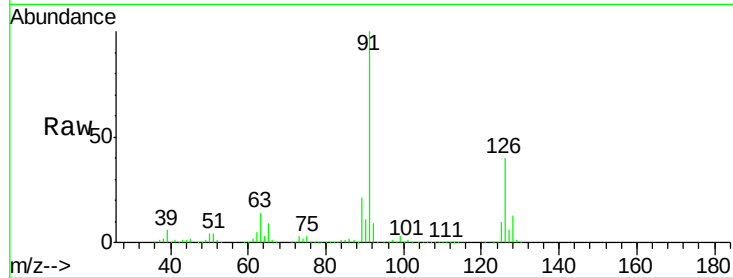
VSTDCCC010EC

Tot Ion: 91 Resp: 4499448

Ion Ratio Lower Upper

91 100

126 39.1 15.8 63.0



#72

4-Ethyltoluene

Concen: 9.338 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Tgt Ion: 105 Resp: 4961994

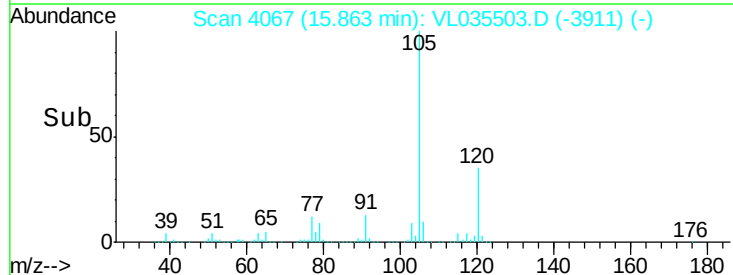
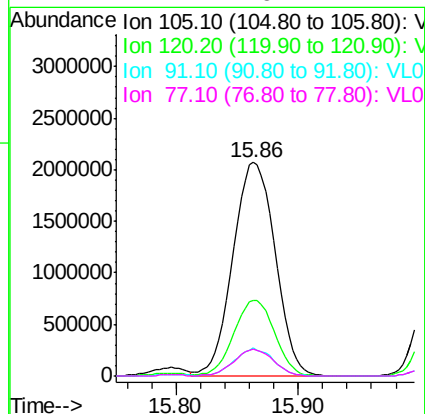
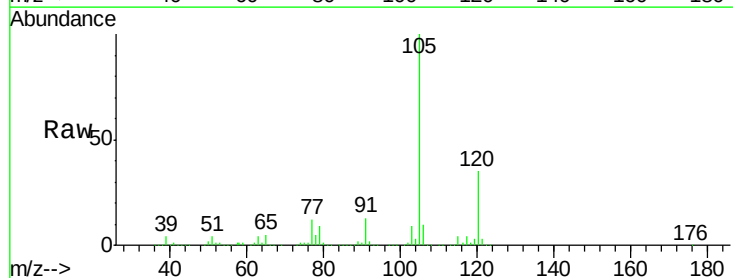
Ion Ratio Lower Upper

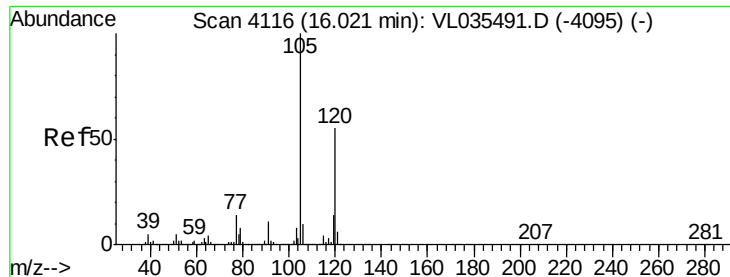
105 100

120 34.3 27.4 41.0

91 12.0 9.5 14.3

77 11.7 9.4 14.2





#73

1,3,5-Trimethylbenzene

Concen: 9.382 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

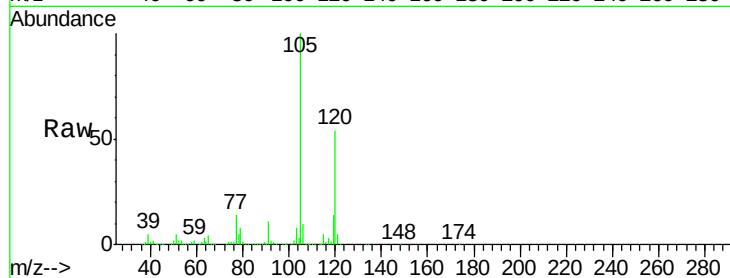
VSTDCCC010EC

Tot Ion:105 Resp: 4617337

Ion Ratio Lower Upper

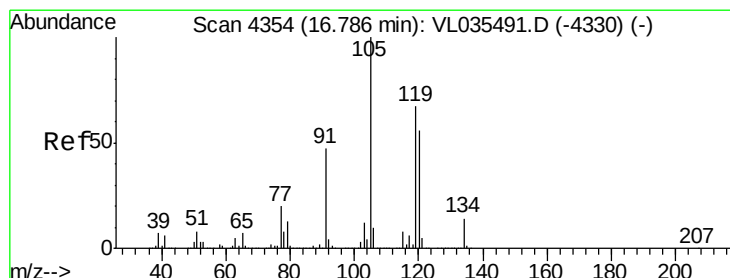
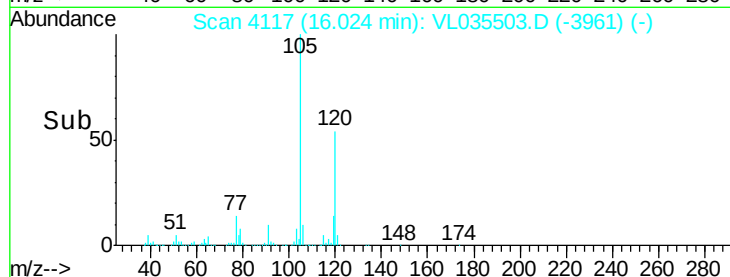
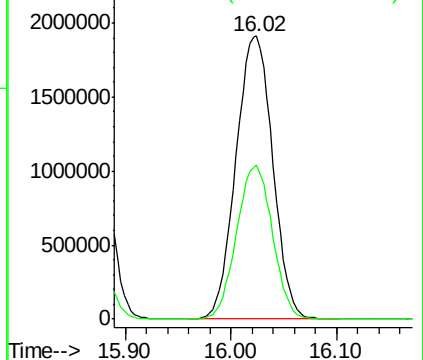
105 100

120 54.4 43.9 65.9



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: 8.930 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Tgt Ion:105 Resp: 4814774

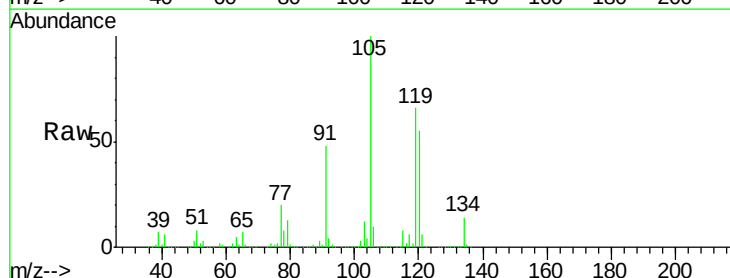
Ion Ratio Lower Upper

105 100

120 55.0 44.7 67.1

91 48.0 37.5 56.3

77 19.6 16.2 24.2

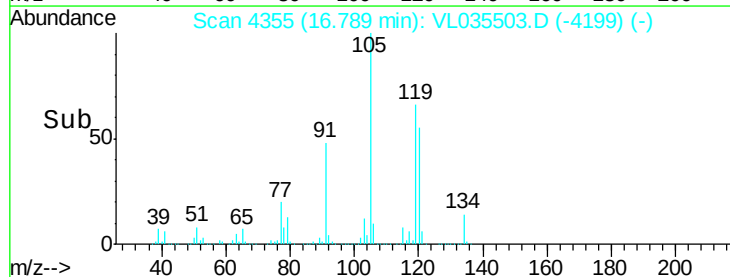
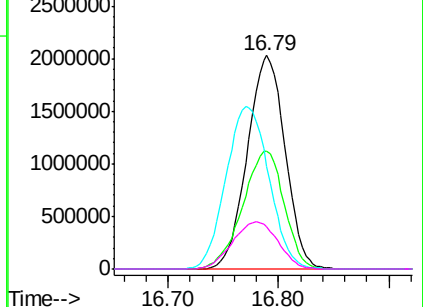


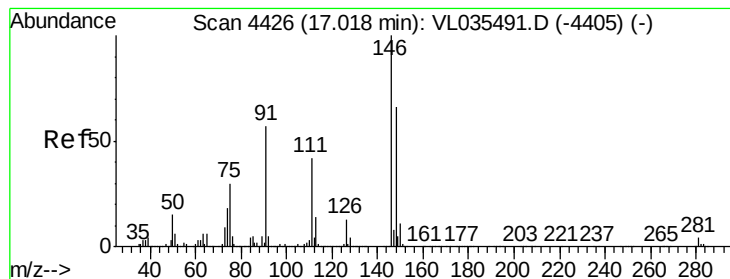
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.762 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

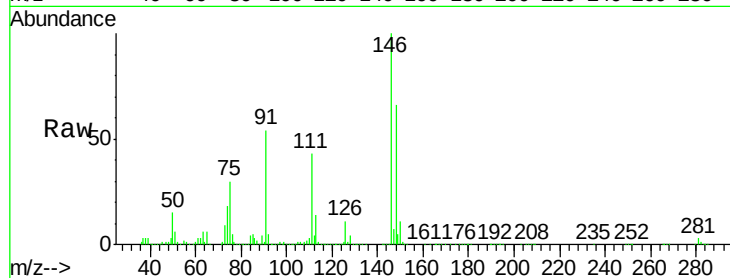
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3541632

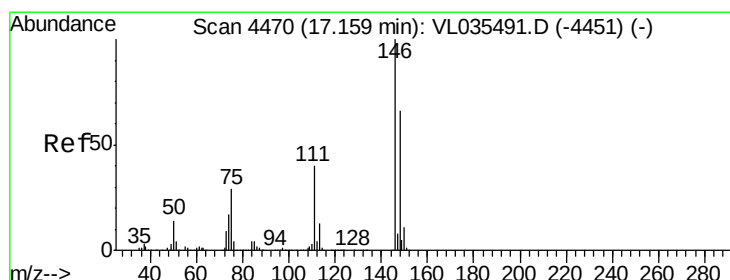
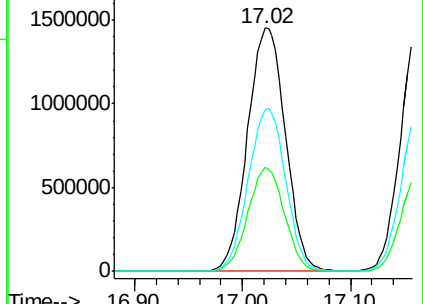
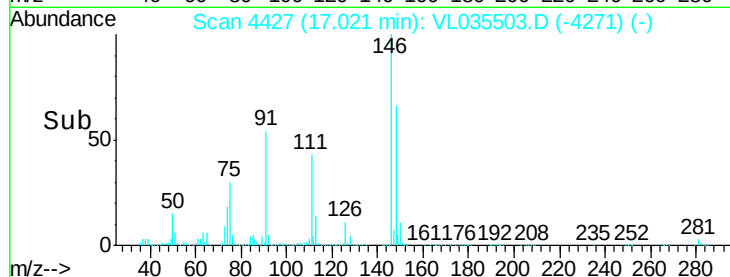
Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	66.0	33.1	99.5



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: 8.856 ppbv

RT: 17.17 min Scan# 4472

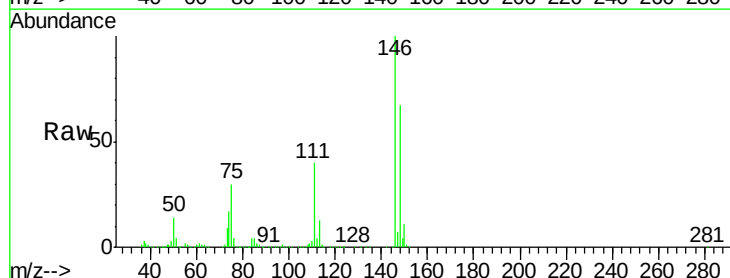
Delta R.T. 0.01 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Tgt Ion:146 Resp: 3583753

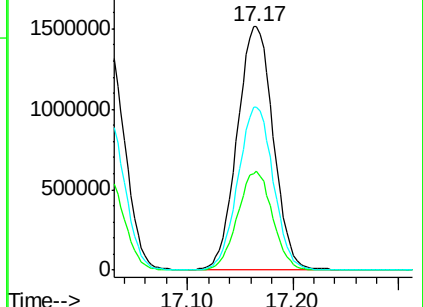
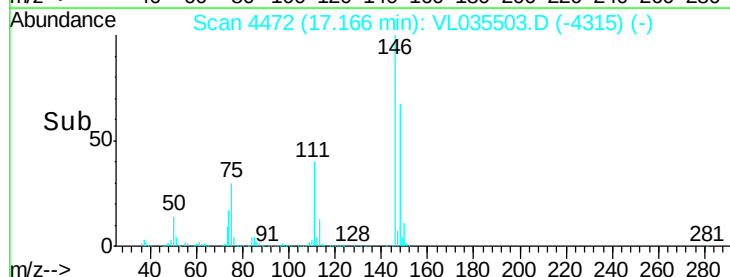
Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	66.1	32.8	98.3

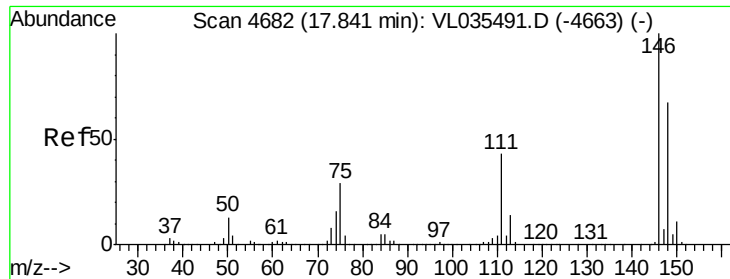


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

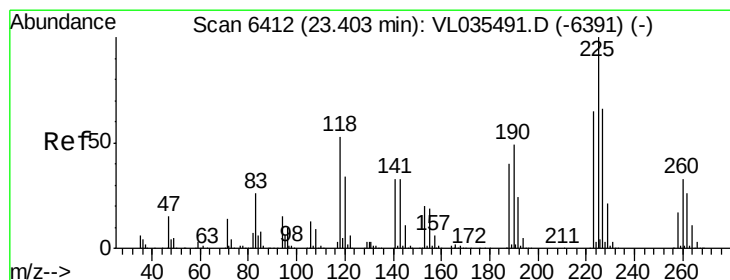
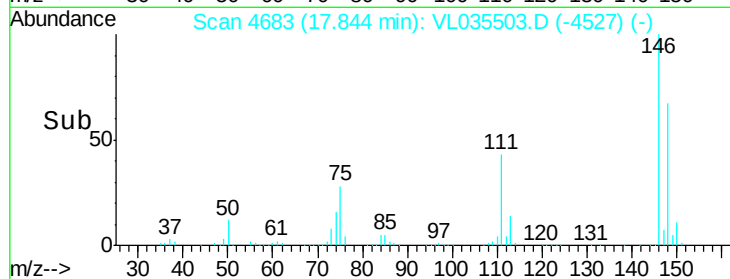
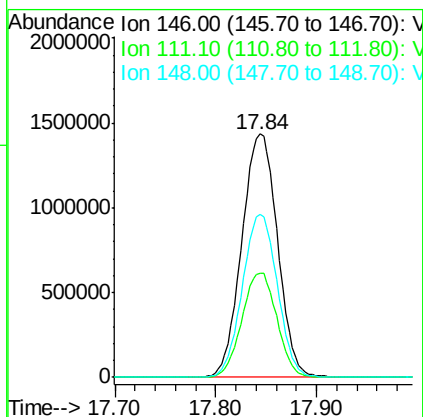
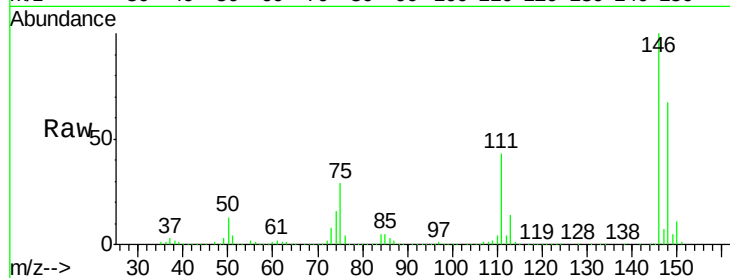




#77
 1,2-Dichlorobenzene
 Concen: 8.821 ppbv
 RT: 17.84 min Scan# 4683
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

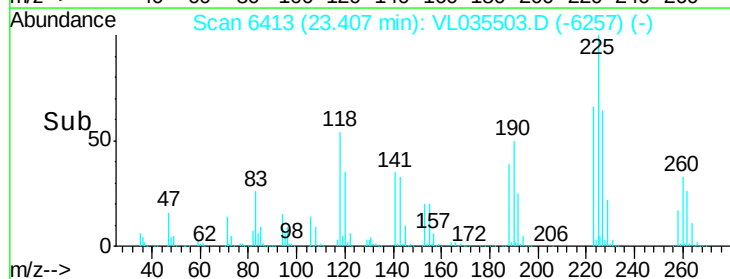
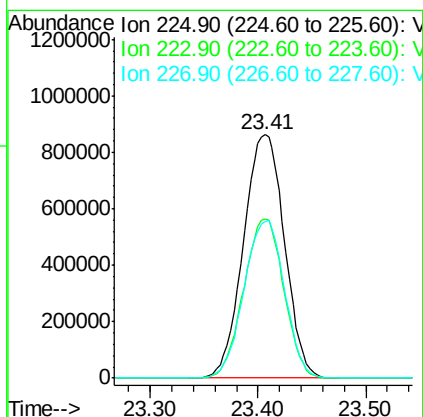
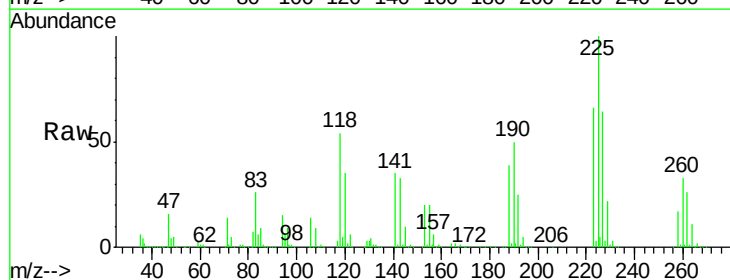
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

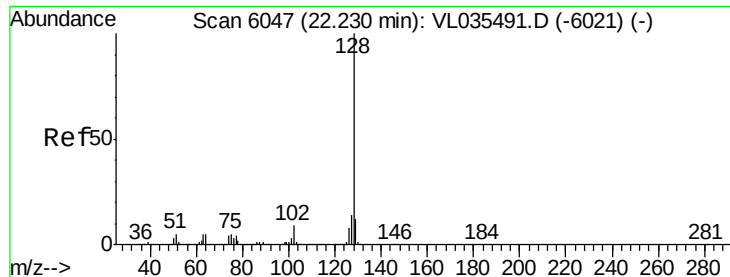
Tot Ion:146 Resp: 3517263
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.0 63.0
 148 65.9 33.0 98.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.217 ppbv
 RT: 23.41 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

Tgt Ion:225 Resp: 2273887
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.4 77.2
 227 64.2 51.7 77.5





#79

Naphthalene

Concen: 8.707 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

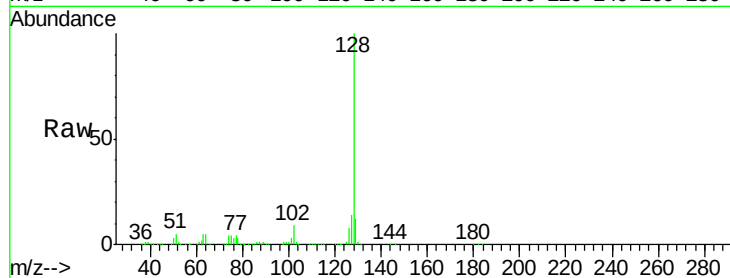
Tot Ion:128 Resp: 5904562

Ion Ratio Lower Upper

128 100

127 14.0 11.4 17.0

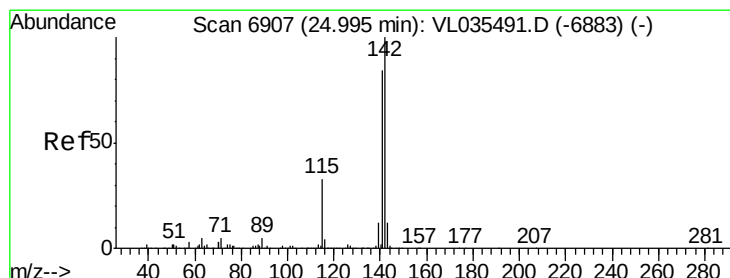
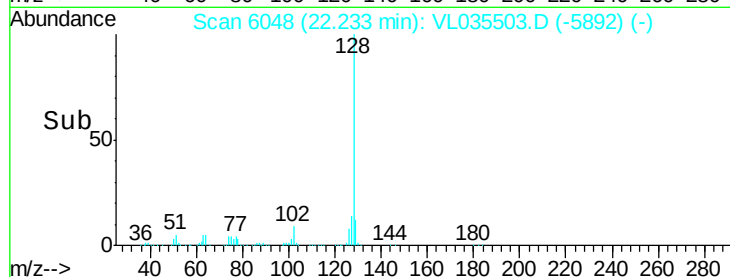
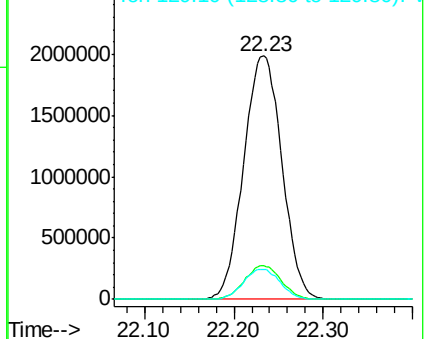
129 12.3 9.8 14.6



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: 8.540 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

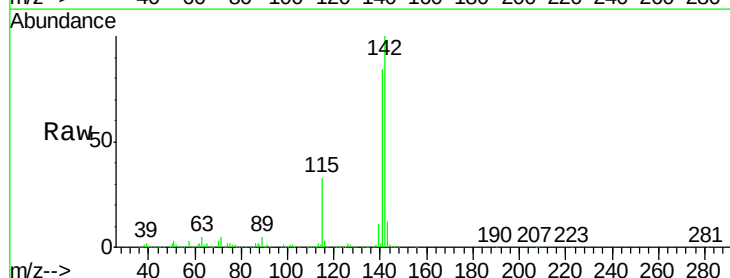
Tgt Ion:142 Resp: 2318578

Ion Ratio Lower Upper

142 100

141 83.8 67.1 100.7

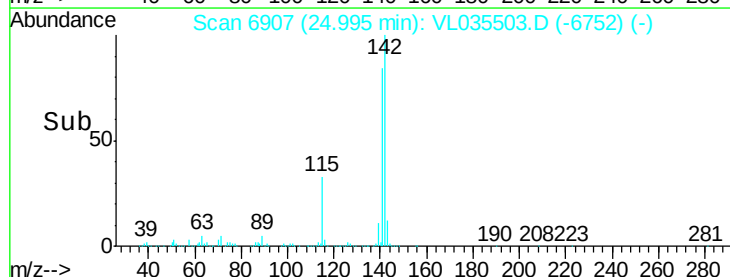
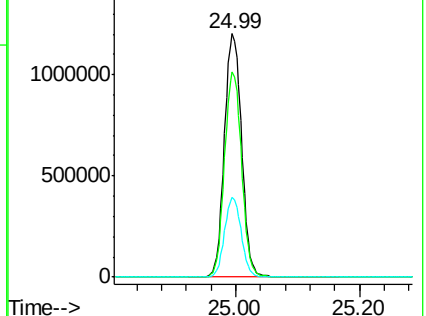
115 31.8 25.6 38.4

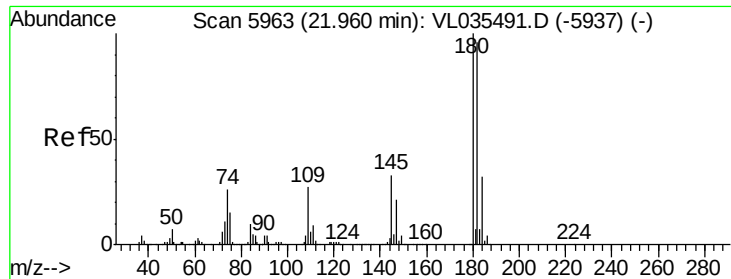


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.641 ppbv

RT: 21.96 min Scan# 5964

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

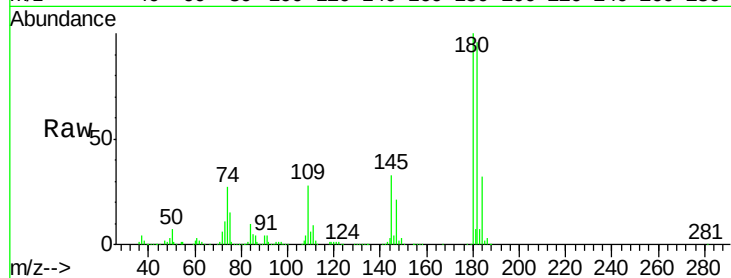
Tot Ion:180 Resp: 3445555

Ion Ratio Lower Upper

180 100

182 95.1 76.6 115.0

184 31.3 25.4 38.0



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

