

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 02:04:56 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	5578983	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3265873	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds

					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

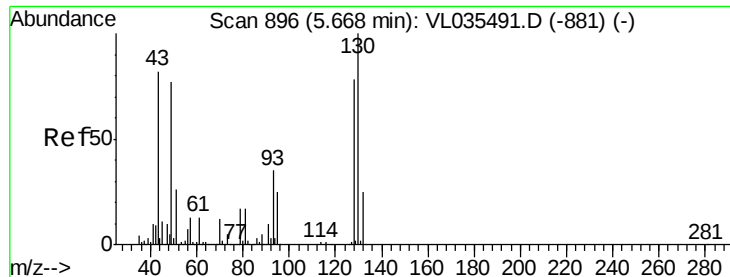
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082320\
 Data File : VL035503.D
 Acq On : 23 Aug 2020 19:17
 Operator : SY/AP
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 VSTDCCC010EC

Quant Time: Aug 24 02:04:56 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)
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	7.968	ppbv	97
57) Chlorobenzene	12.17	112	3052197	7.265	ppbv	98
58) Ethyl Benzene	12.73	91	4639168	7.745	ppbv	100
59) m/p-Xylene	13.02	91	4160021	8.160	ppbv #	39
60) o-Xylene	13.72	91	3815134	7.623	ppbv	100
61) Styrene	13.55	104	3134045	8.124	ppbv	100
62) Isopropylbenzene	14.69	105	5997455	7.398	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2685665	7.374	ppbv	100
64) n-propylbenzene	15.58	120	1908047	7.744	ppbv	98
65) tert-Butylbenzene	16.77	119	5762717	7.479	ppbv	100
66) Benzyl Chloride	17.01	91	1815023	9.619	ppbv	98
67) sec-Butylbenzene	17.32	105	7478171	7.305	ppbv	99
69) p-Isopropyltoluene	17.68	119	6654097	7.458	ppbv	99
70) n-Butylbenzene	18.58	91	6328705	7.398	ppbv	99
71) 2-Chlorotoluene	15.48	91	4499448	7.683	ppbv	100
72) 4-Ethyltoluene	15.86	105	4961994	7.767	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	4617337	7.803	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	4814774	7.427	ppbv	99
75) 1,3-Dichlorobenzene	17.02	146	3541632	7.287	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	3583753	7.366	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	3517263	7.337	ppbv	100
78) Hexachloro-1,3-Butadiene	23.41	225	2273887	6.835	ppbv	100
79) Naphthalene	22.23	128	5904562	7.242	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	2318578	7.103	ppbv	100
81) 1,2,4-Trichlorobenzene	21.96	180	3445555	7.187	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

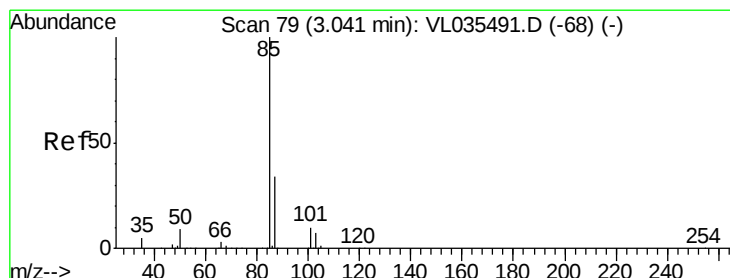
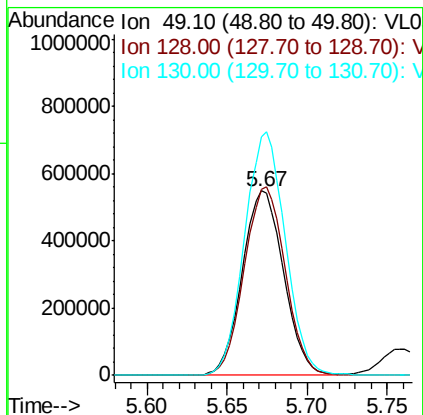
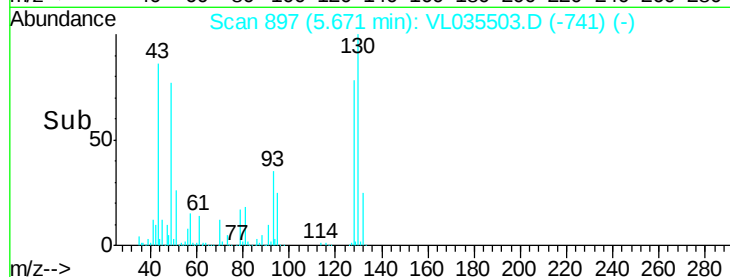
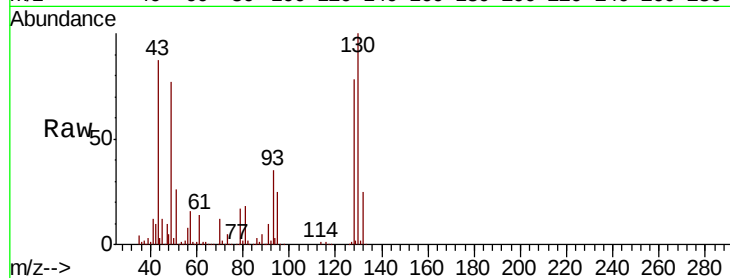
Tot Ion: 49 Resp: 969669

Ion Ratio Lower Upper

49 100

128 101.9 51.6 154.9

130 130.9 66.1 198.4



#2

Dichlorodifluoromethane

Concen: 9.729 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035503.D

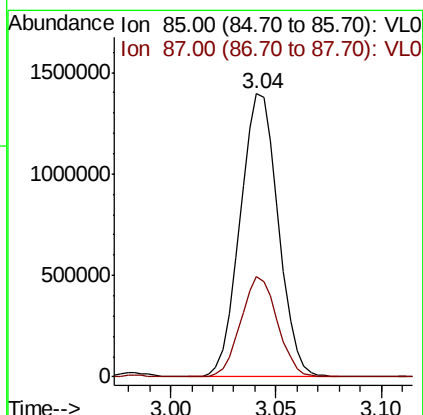
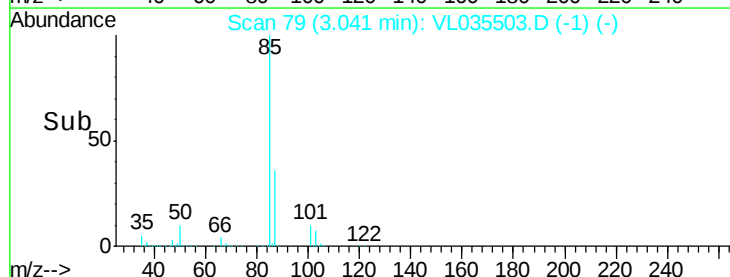
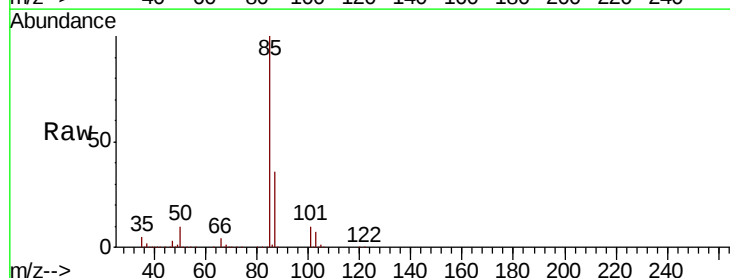
Acq: 23 Aug 2020 19:17

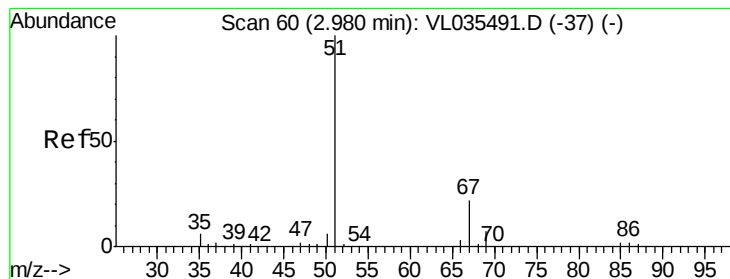
Tgt Ion: 85 Resp: 1746214

Ion Ratio Lower Upper

85 100

87 35.5 27.3 40.9





#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 :

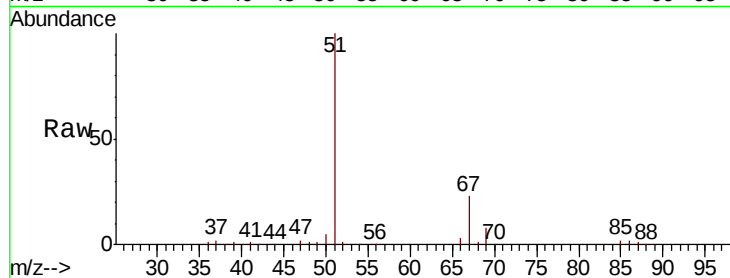
VSTDCCC010EC

Tot Ion: 51 Resp: 1022854

Ion Ratio Lower Upper

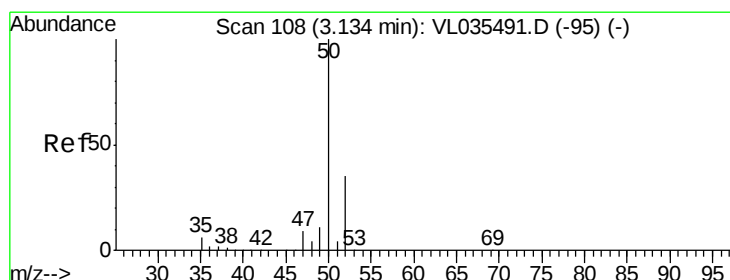
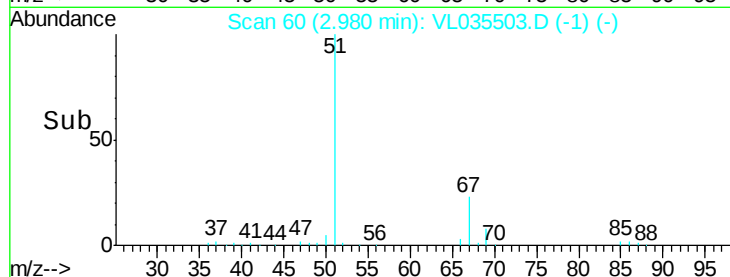
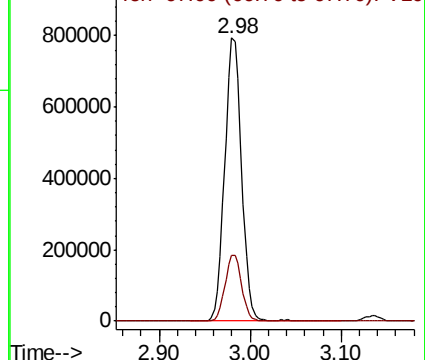
51 100

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

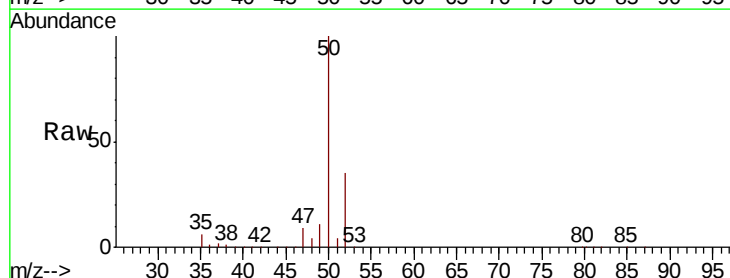
Acq: 23 Aug 2020 19:17

Tgt Ion: 50 Resp: 534274

Ion Ratio Lower Upper

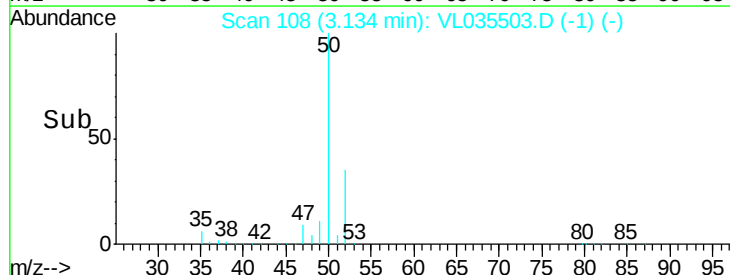
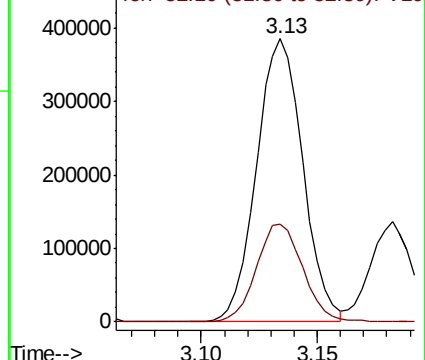
50 100

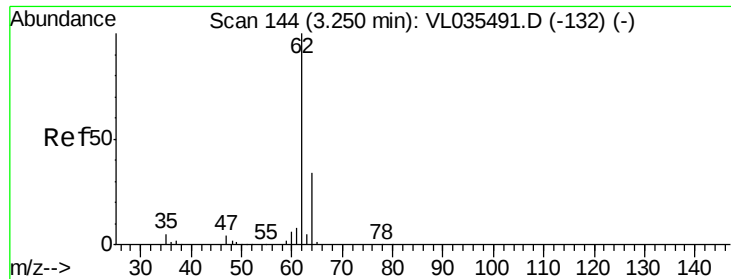
52 34.6 28.2 42.2



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 :

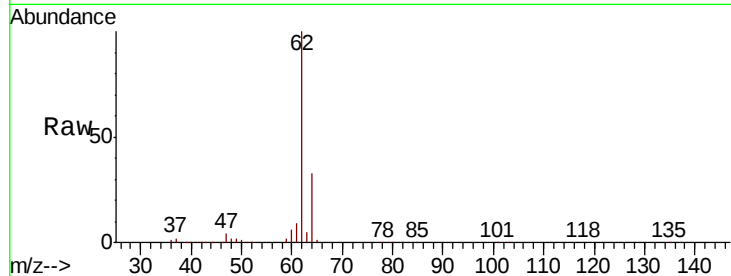
VSTDCCC010EC

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

3.25

500000

400000

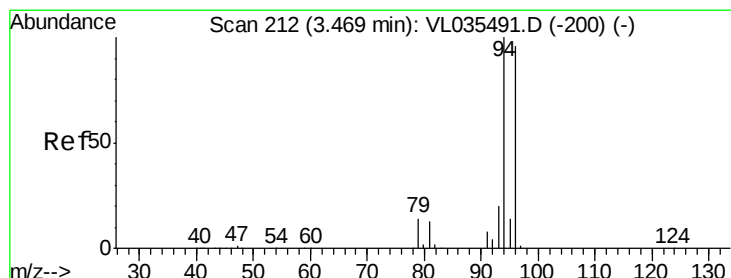
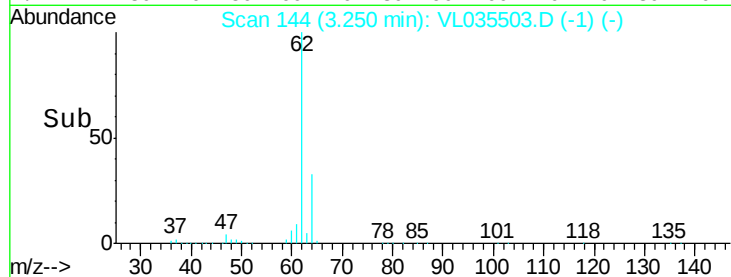
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.179 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035503.D

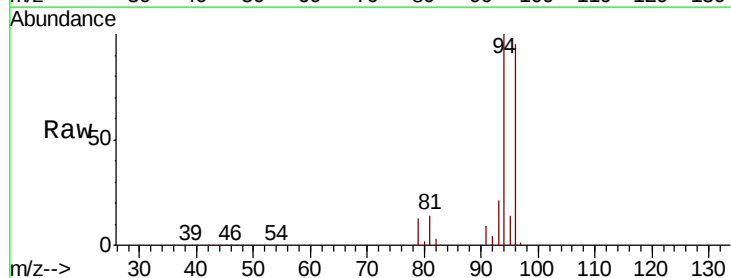
Acq: 23 Aug 2020 19:17

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

3.47

400000

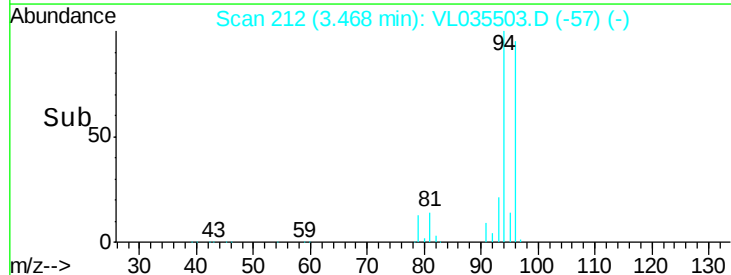
300000

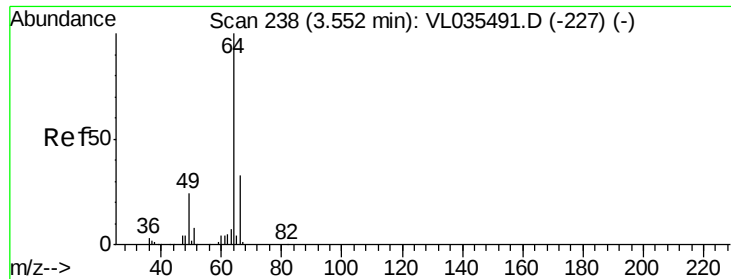
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.302 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

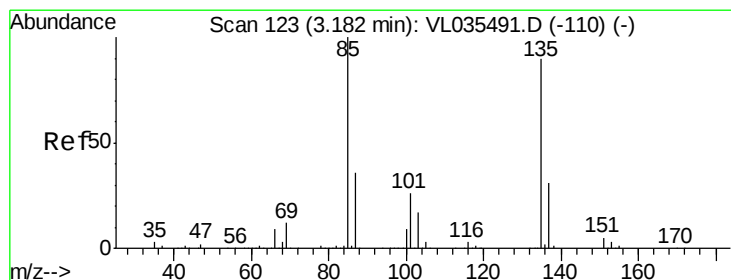
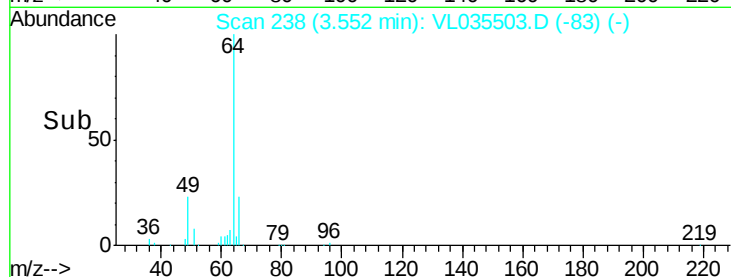
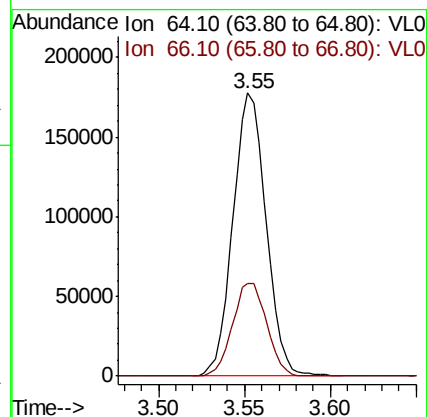
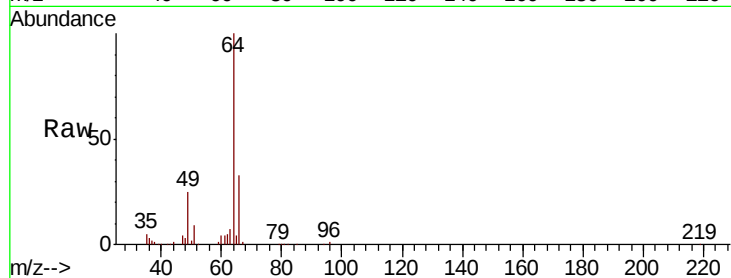
VSTDCCC010EC

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

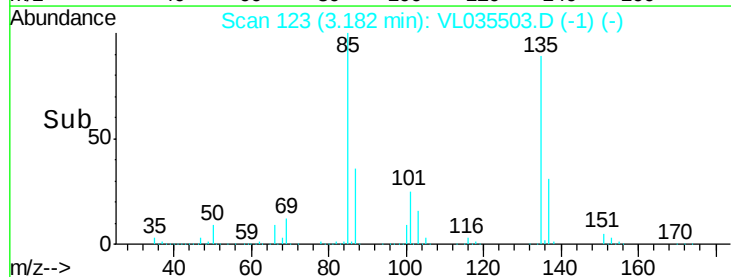
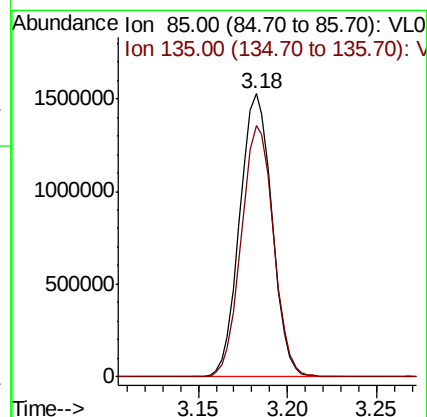
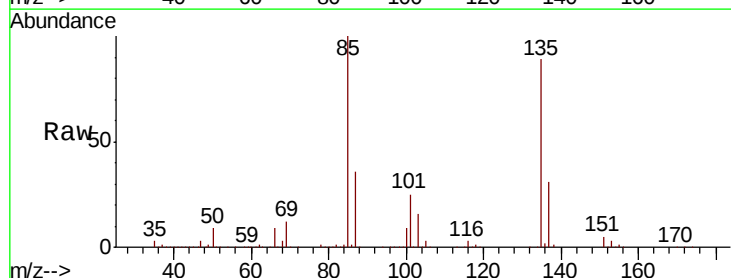
Acq: 23 Aug 2020 19:17

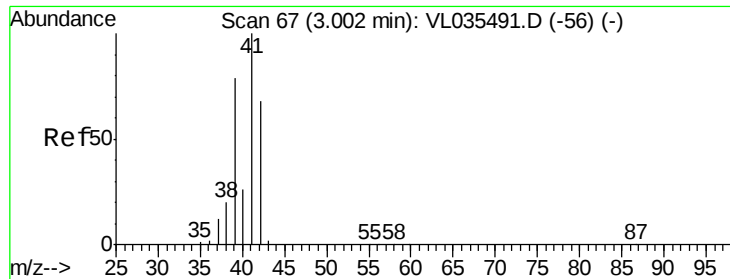
Tgt Ion: 85 Resp: 1929260

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

Instrument :

MSVOA_L

ClientSampleId :

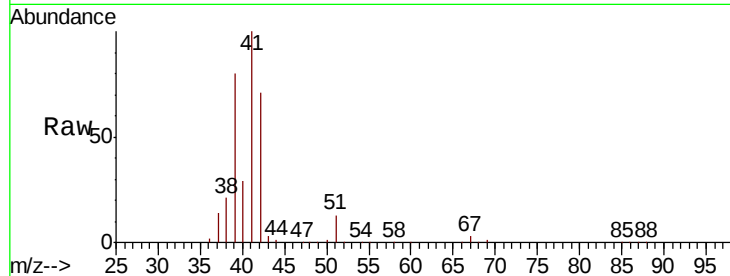
VSTDCCC010EC

Tot Ion: 41 Resp: 392361

Ion Ratio Lower Upper

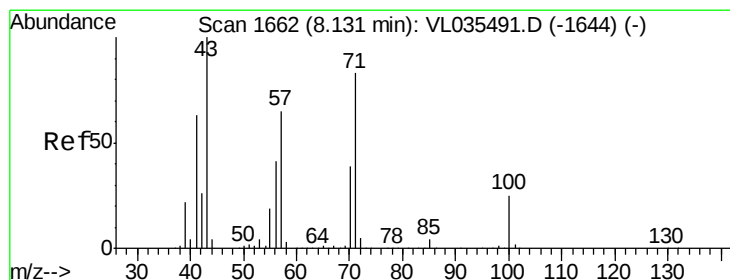
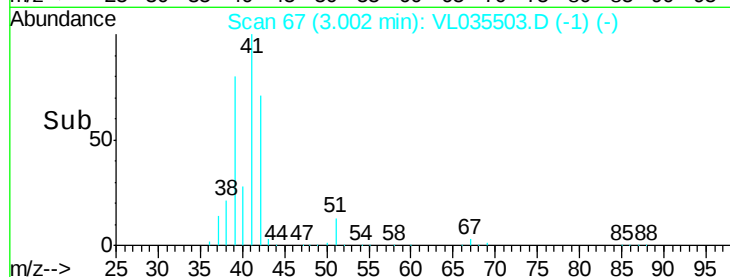
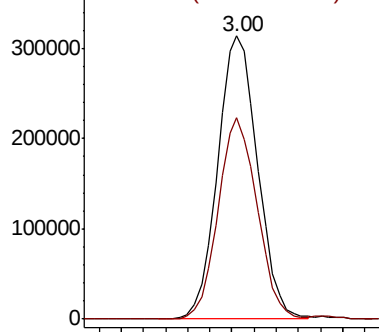
41 100

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

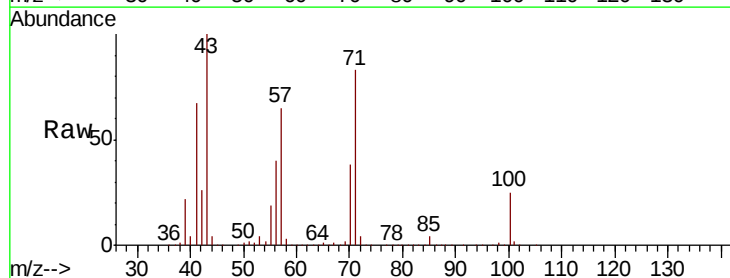
Acq: 23 Aug 2020 19:17

Tgt Ion: 43 Resp: 1094340

Ion Ratio Lower Upper

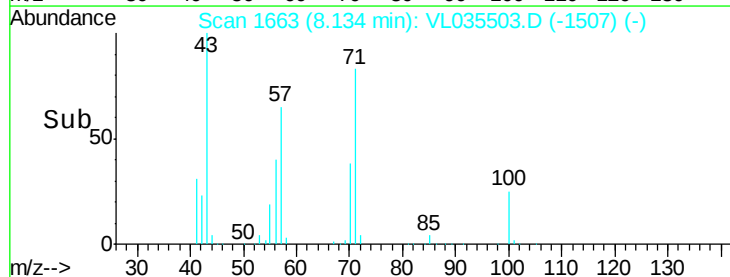
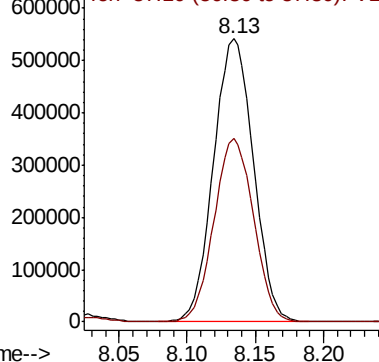
43 100

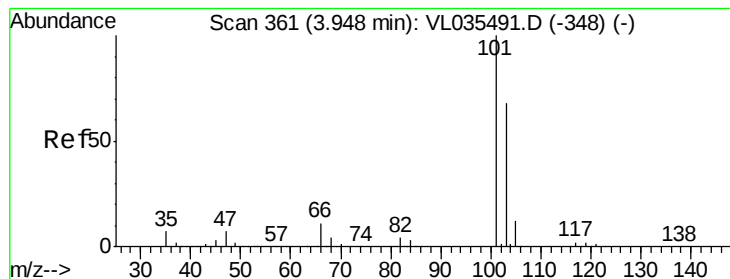
57 64.6 51.4 77.2



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 :

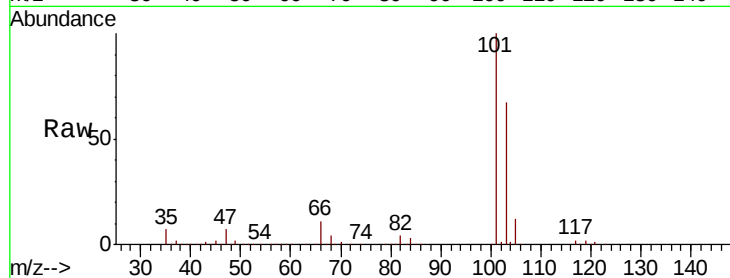
VSTDCCC010EC

Tot Ion:101 Resp: 2341908

Ion Ratio Lower Upper

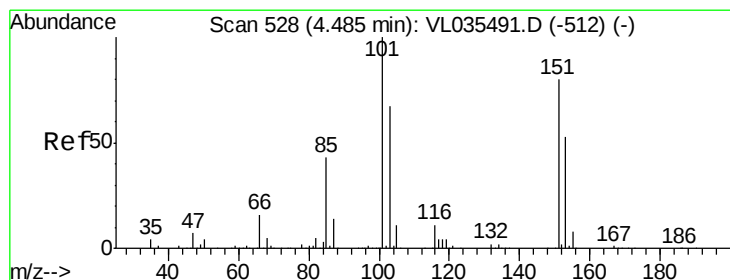
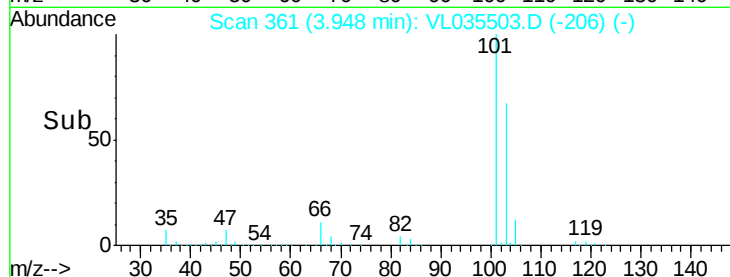
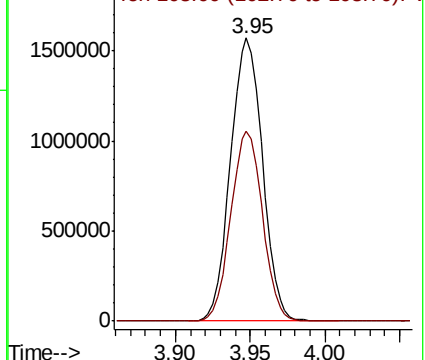
101 100

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

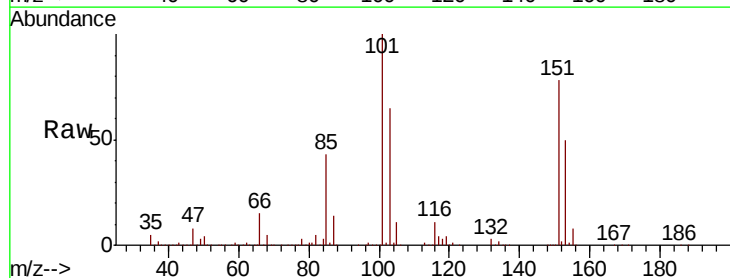
Acq: 23 Aug 2020 19:17

Tgt Ion:101 Resp: 1752983

Ion Ratio Lower Upper

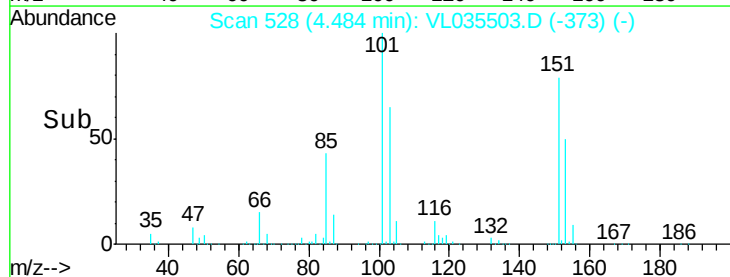
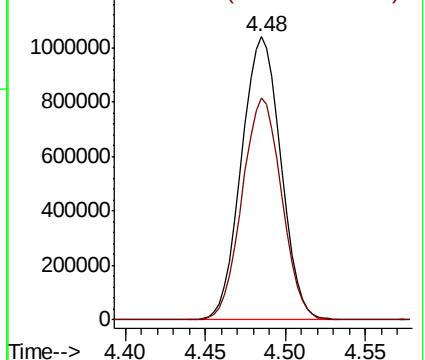
101 100

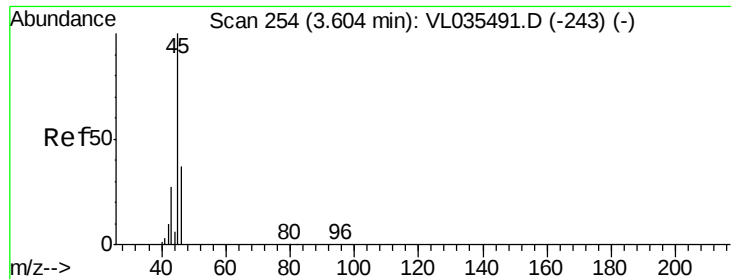
151 78.9 64.1 96.1



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 :

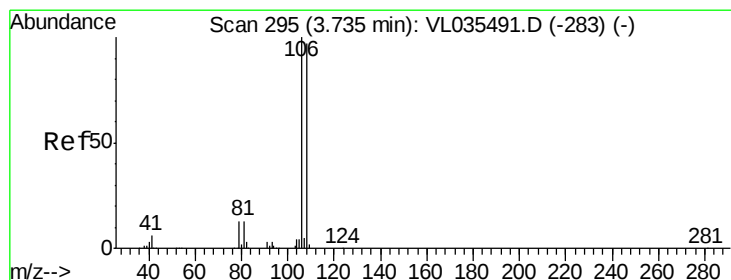
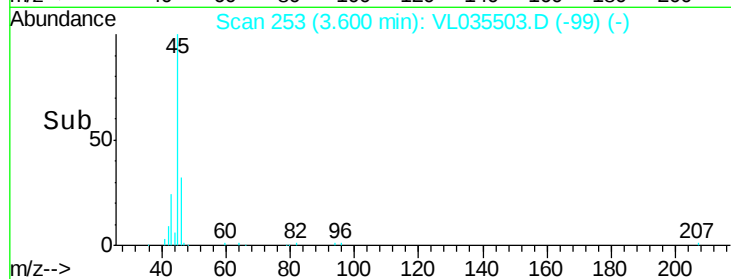
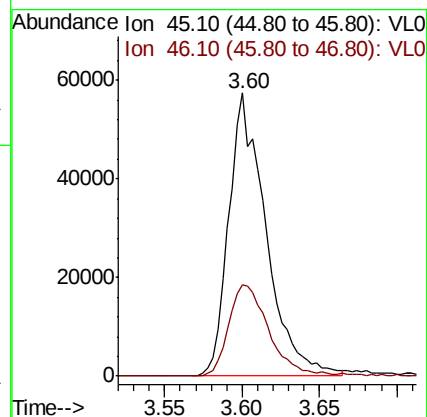
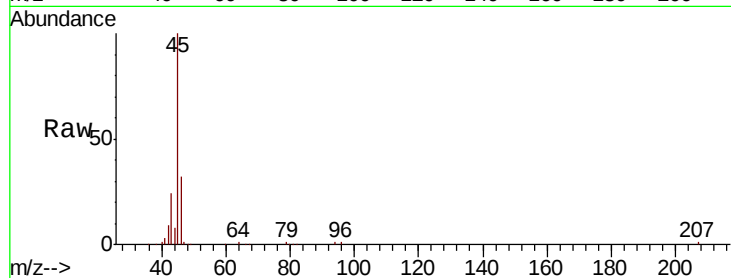
VSTDCCC010EC

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

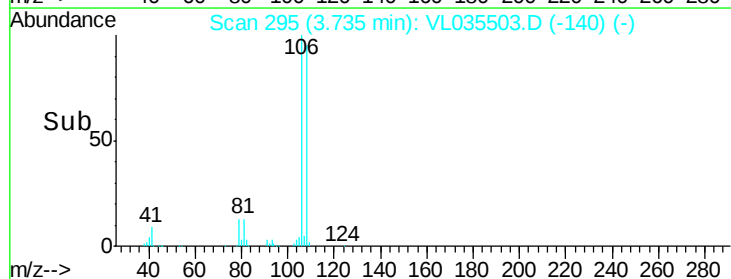
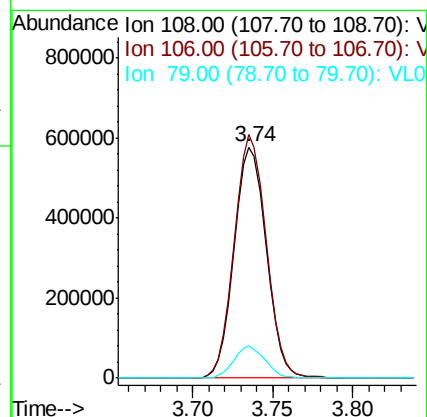
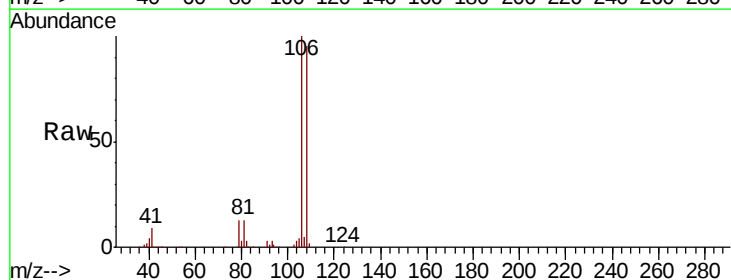
Tgt Ion: 108 Resp: 793787

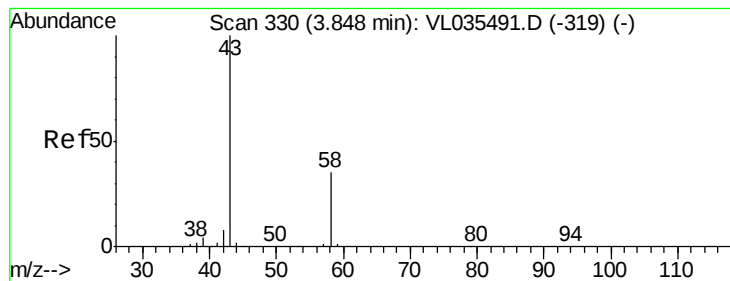
Ion Ratio Lower Upper

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 :

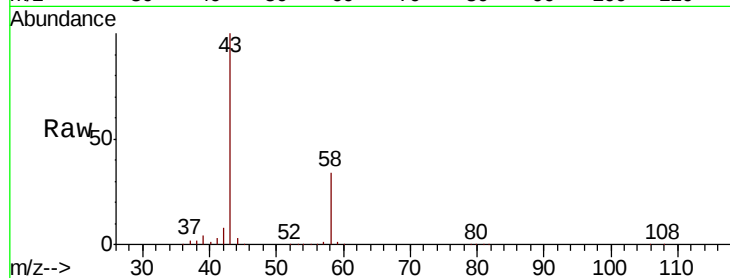
VSTDCCC010EC

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

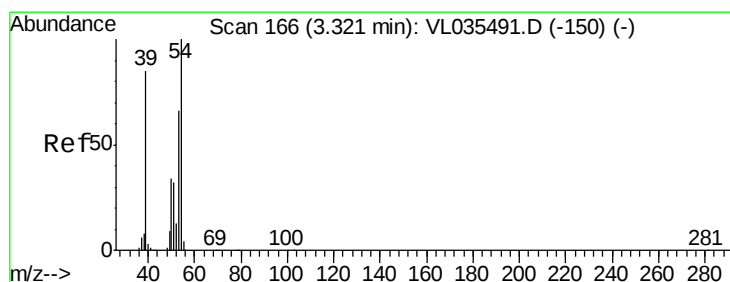
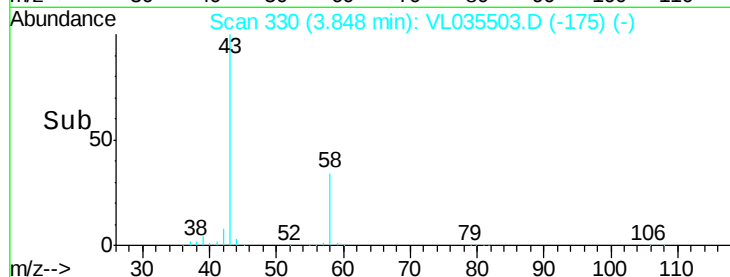
600000

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

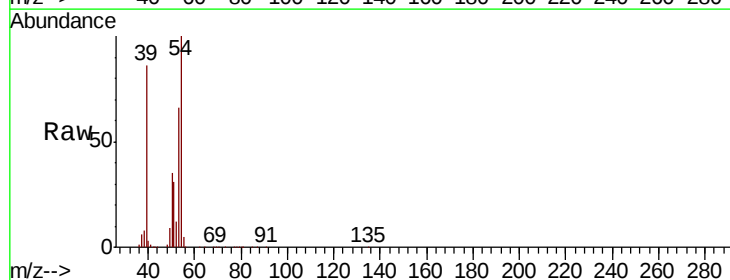
Acq: 23 Aug 2020 19:17

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

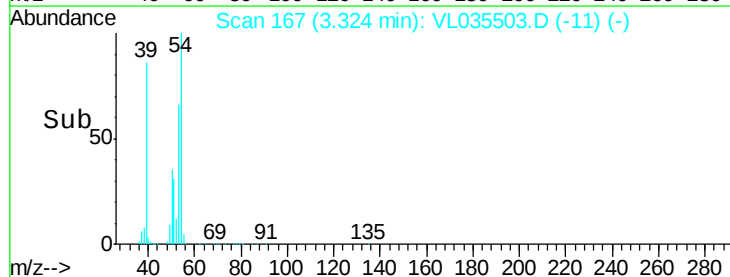
300000

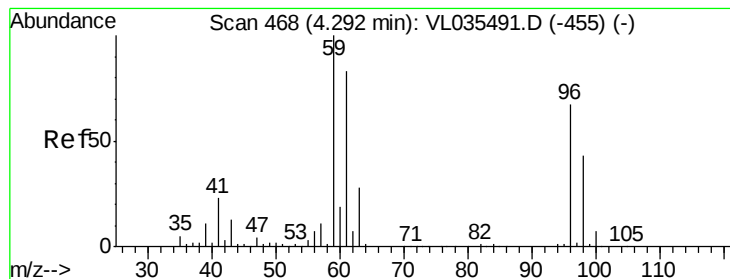
200000

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 :

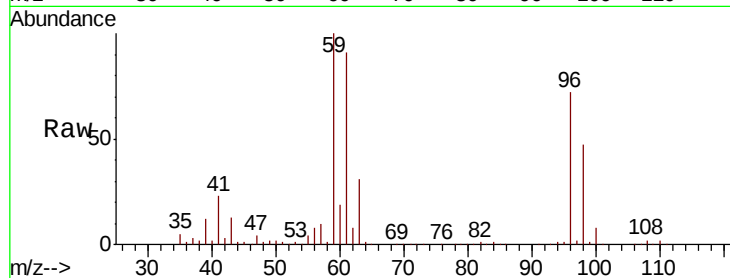
VSTDCCC010EC

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

800000

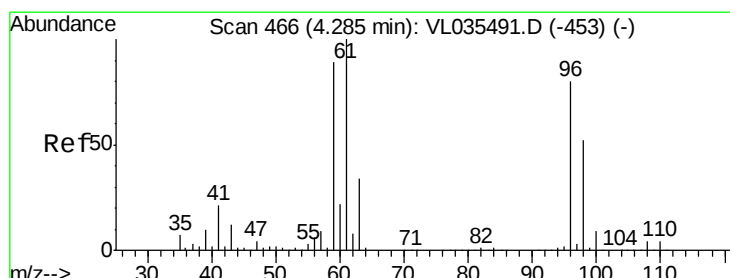
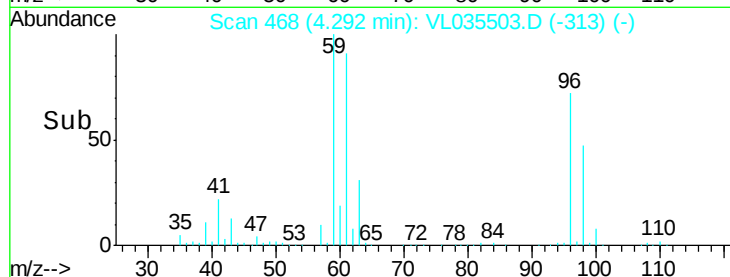
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#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

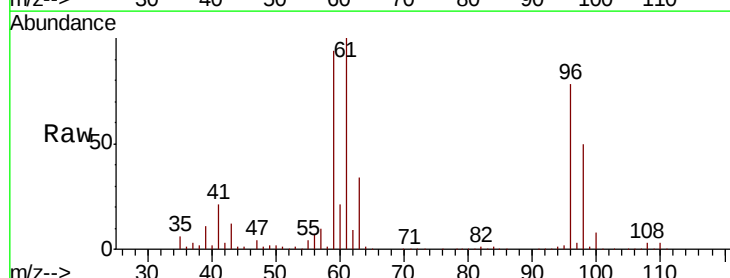
Tgt Ion: 96 Resp: 802896

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

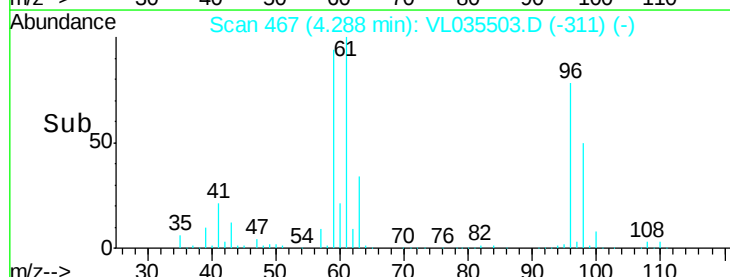
600000

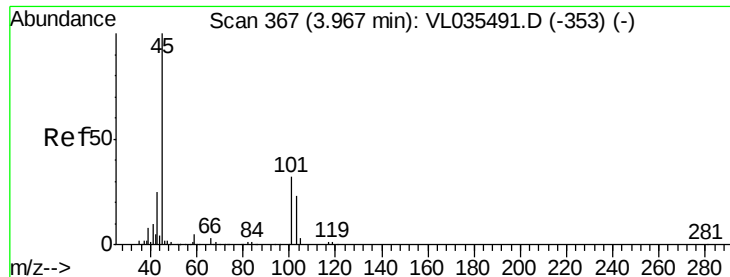
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#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 :

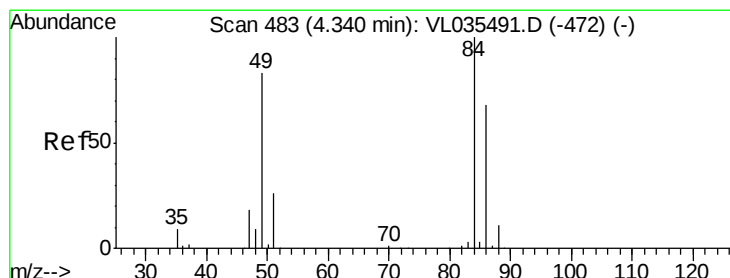
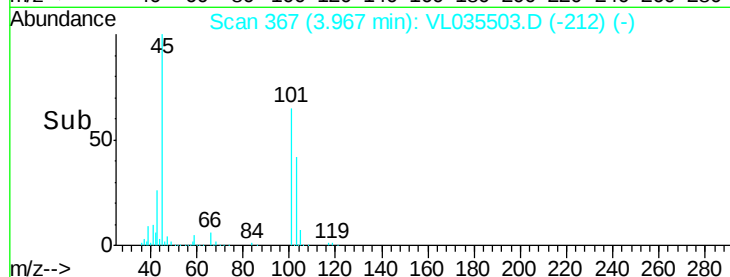
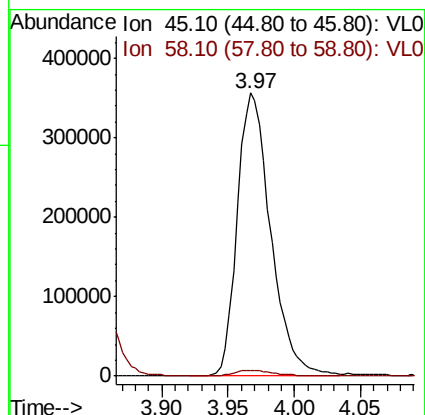
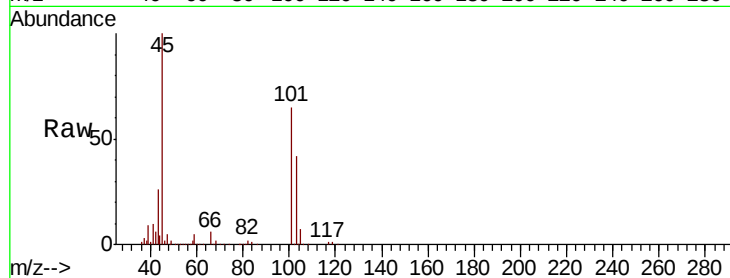
VSTDCCC010EC

Tot Ion: 45 Resp: 626295

Ion Ratio Lower Upper

45 100

58 2.6 1.8 2.8



#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

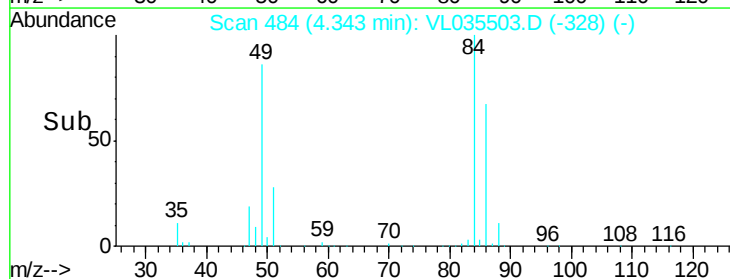
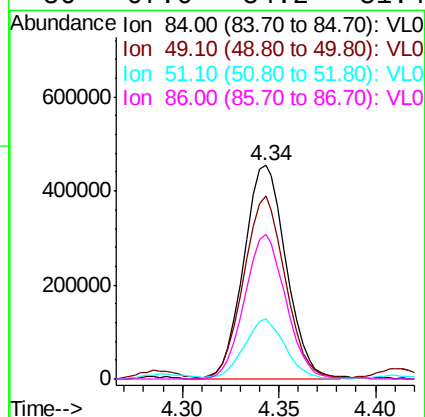
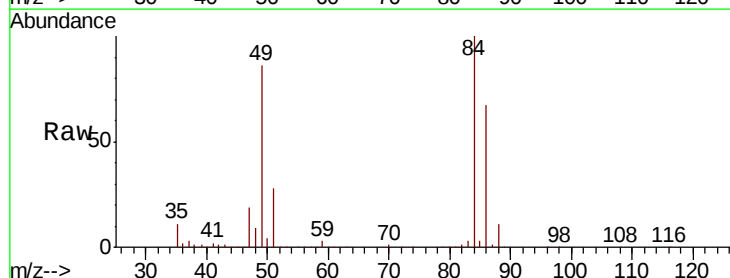
Ion Ratio Lower Upper

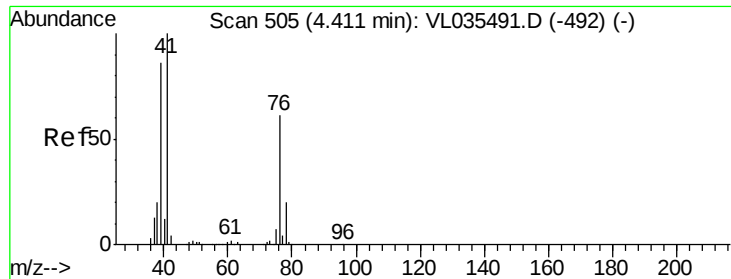
84 100

49 85.5 66.3 99.5

51 27.7 21.1 31.7

86 67.6 54.2 81.4





#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

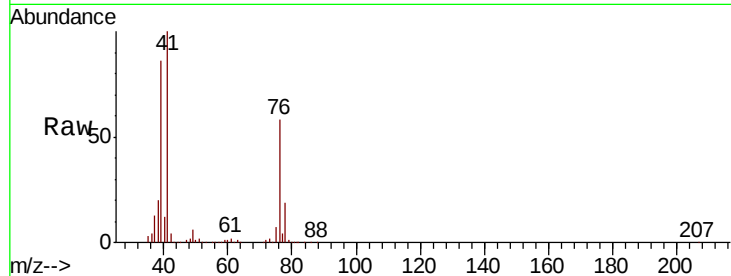
Tot Ion: 41 Resp: 506716

Ion Ratio Lower Upper

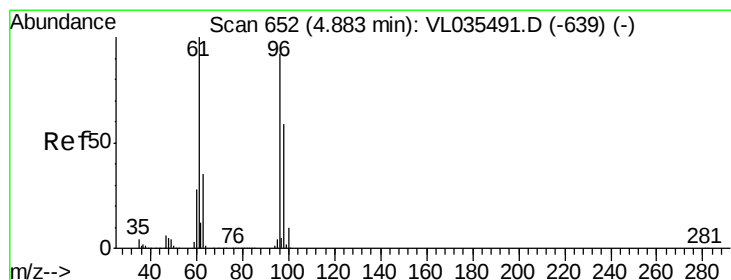
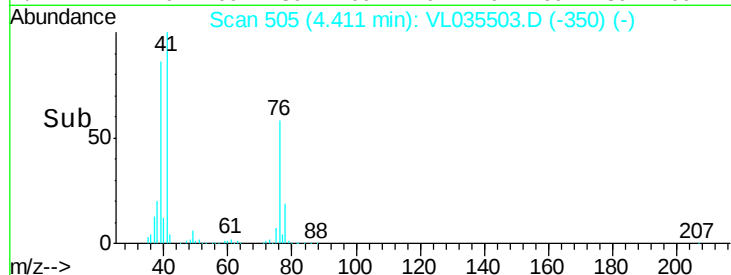
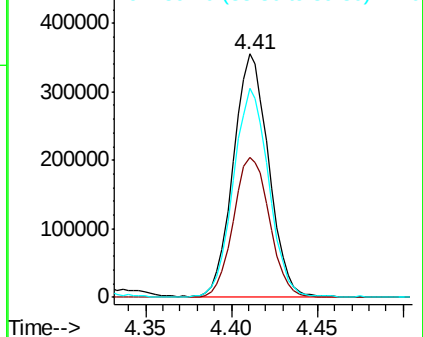
41 100

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

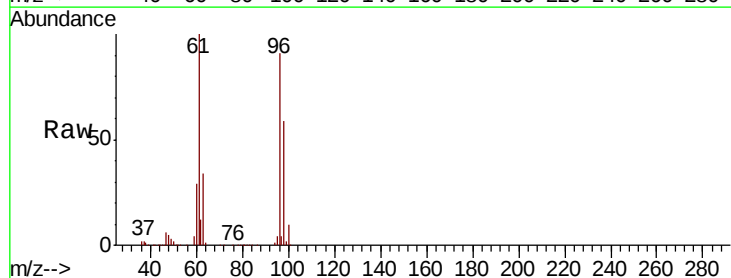
Tgt Ion: 96 Resp: 836198

Ion Ratio Lower Upper

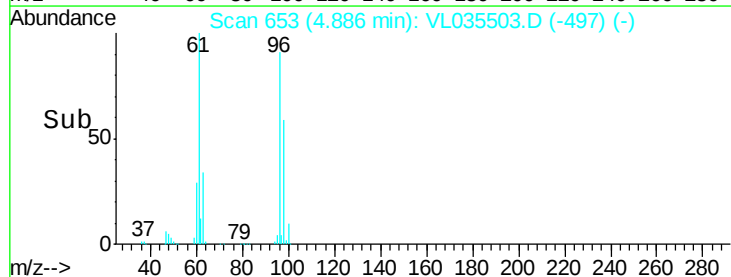
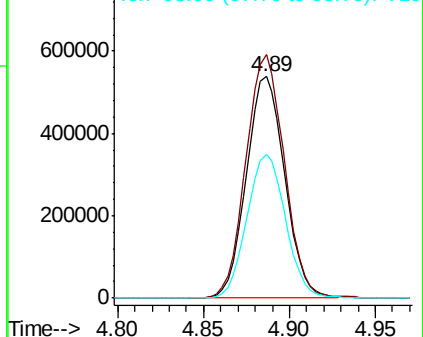
96 100

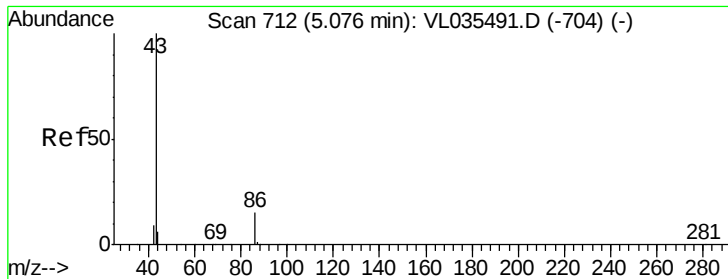
61 110.0 86.5 129.7

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

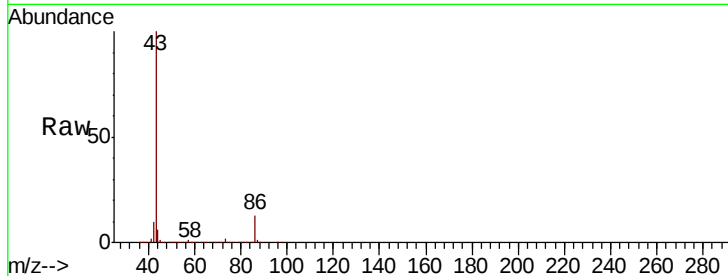
Ion	Ratio	Lower	Upper
43	100		
86	13.4	10.9	16.3
42	9.5	7.8	11.8
44	5.6	4.4	6.6

43 100

86 13.4 10.9 16.3

42 9.5 7.8 11.8

44 5.6 4.4 6.6

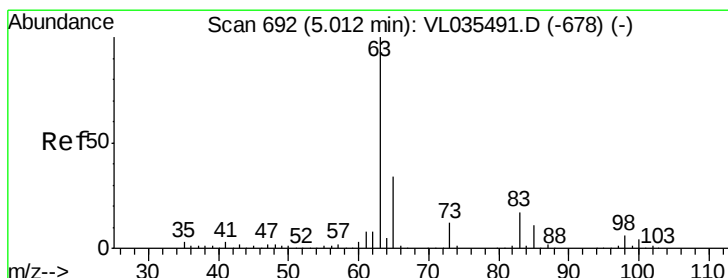
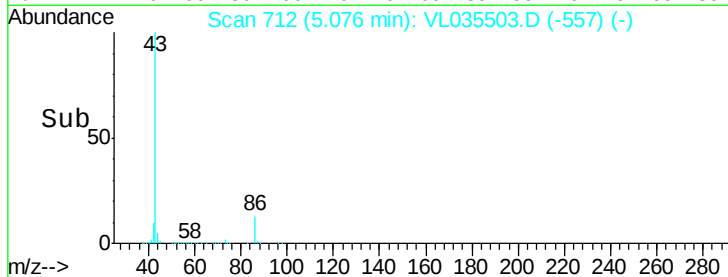
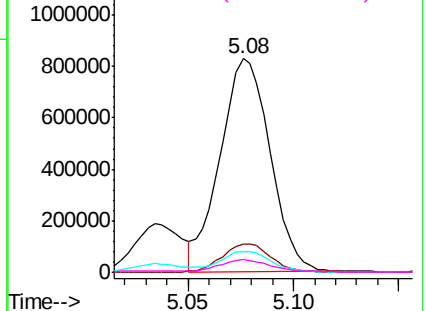


Abundance Ion 43.10 (42.80 to 43.80): VL0

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

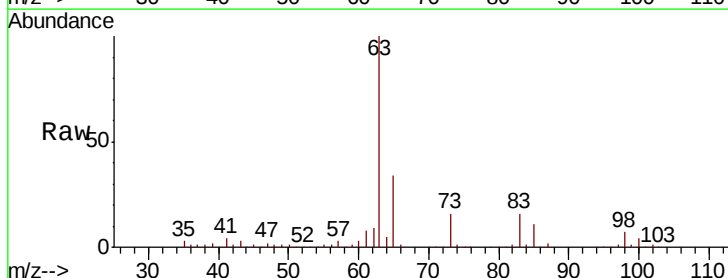
Tgt Ion: 63 Resp: 1339502

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.1	9.4
100	4.3	2.0	6.0

63 100

98 6.7 3.1 9.4

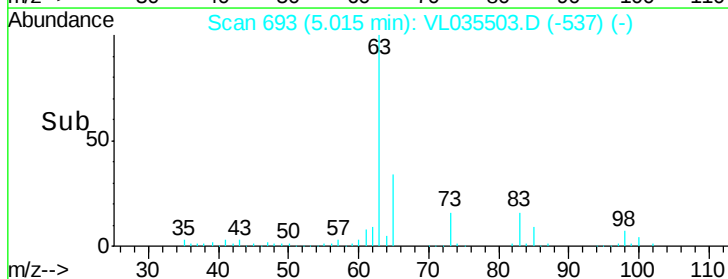
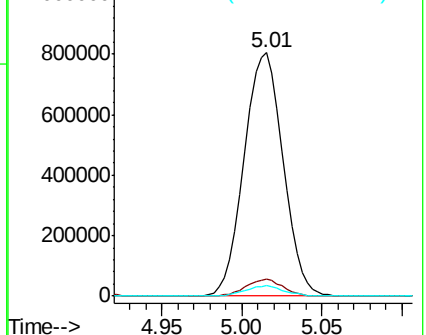
100 4.3 2.0 6.0

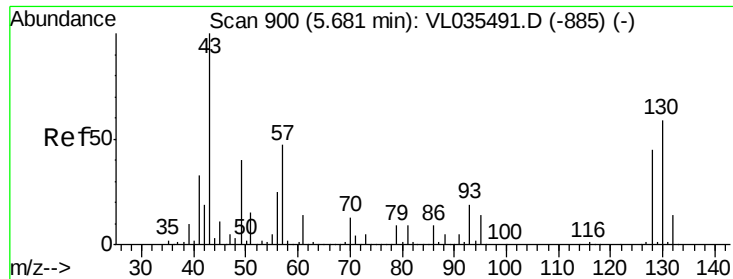


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

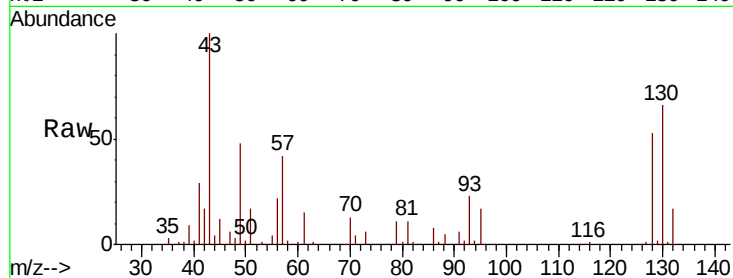




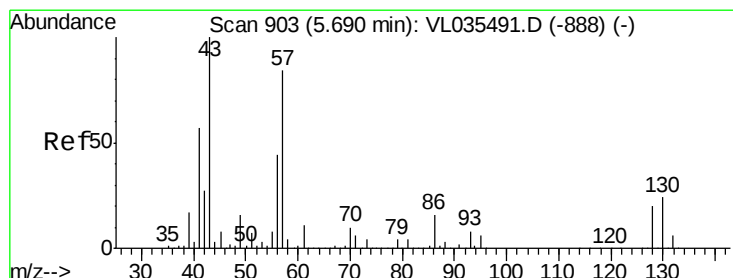
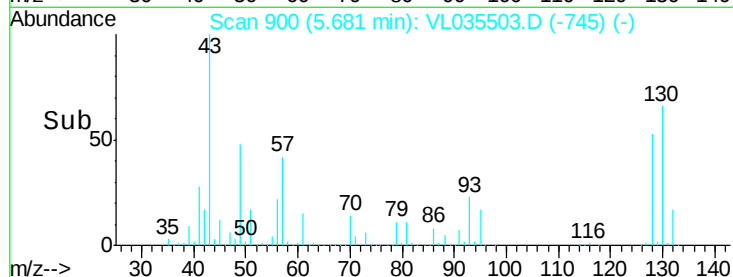
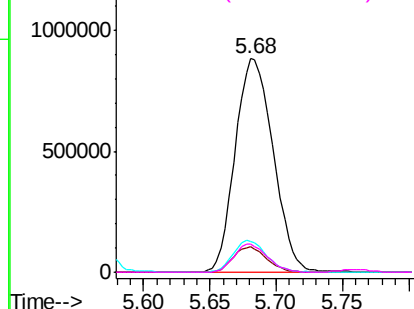
#25
Ethyl Acetate
Concen: 8.908 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

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

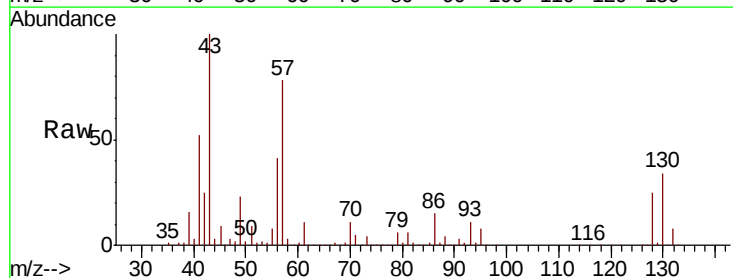


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

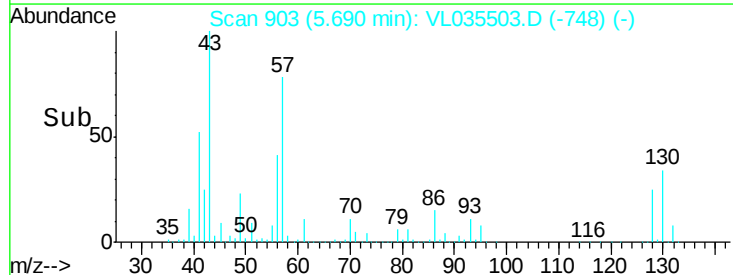
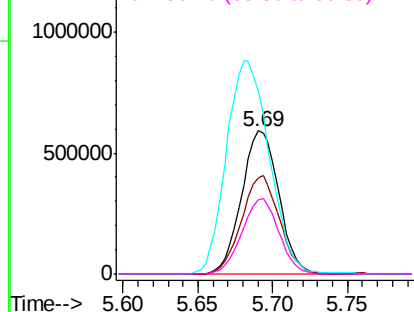


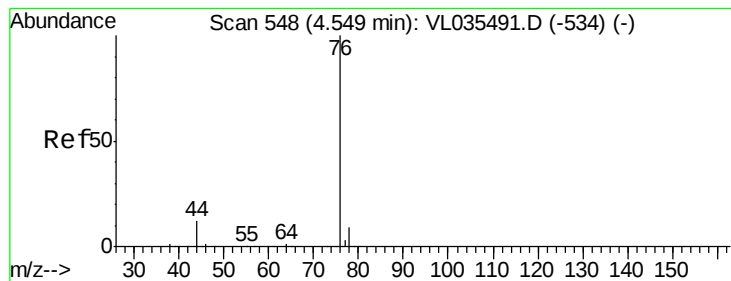
#26
Hexane
Concen: 8.523 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

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

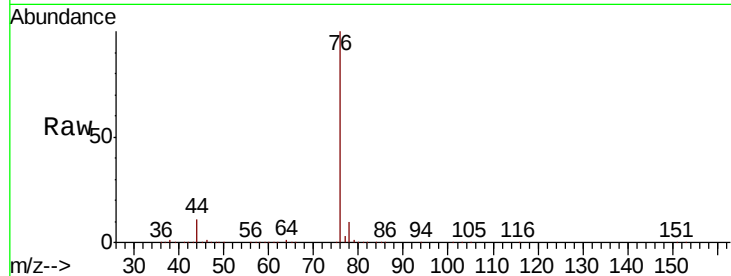
Tot Ion: 76 Resp: 1659525

Ion	Ratio	Lower	Upper
76	100		
44	11.3	9.2	13.8
78	9.8	7.8	11.8

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

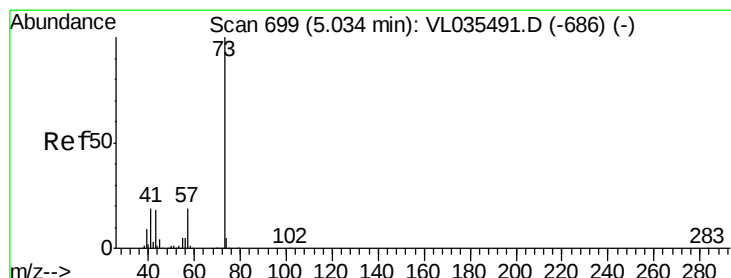
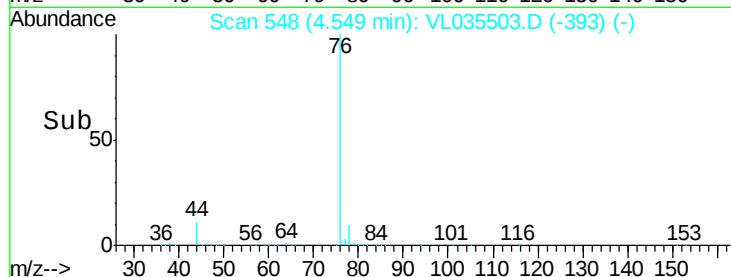
4.55

1000000

500000

0

Time-->



#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

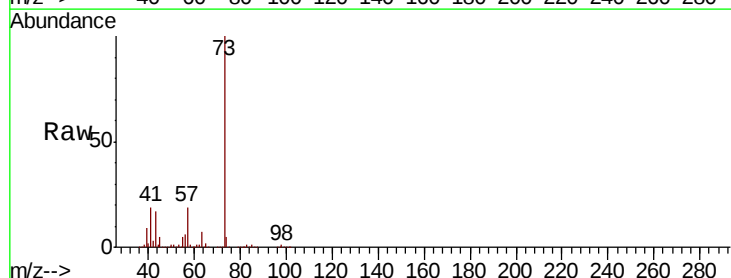
Acq: 23 Aug 2020 19:17

Tgt Ion: 73 Resp: 1860661

Ion	Ratio	Lower	Upper
73	100		
57	19.0	15.1	22.7

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

1000000

800000

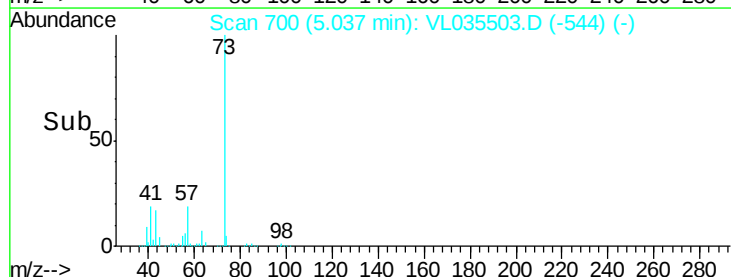
600000

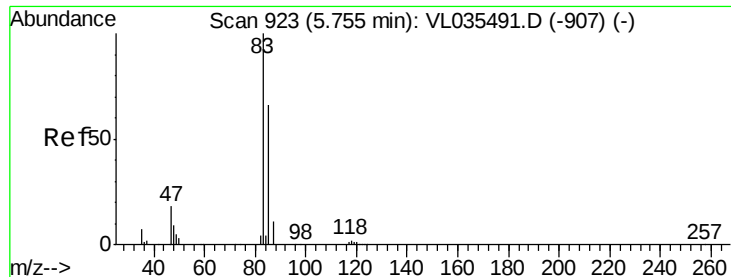
400000

200000

0

Time-->





#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 :

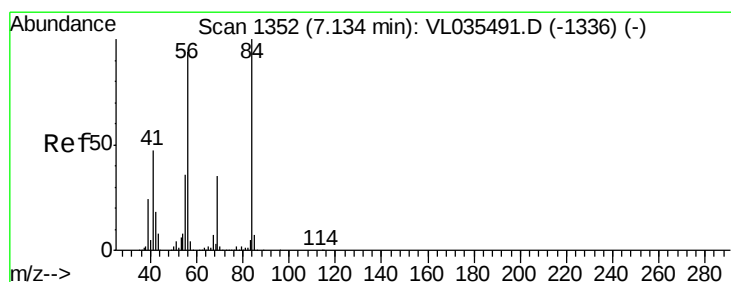
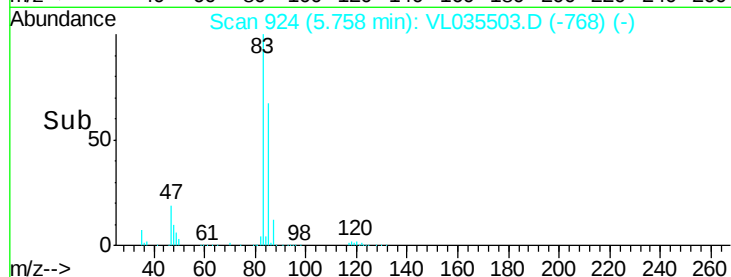
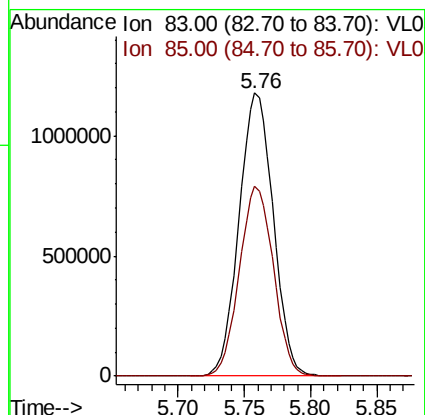
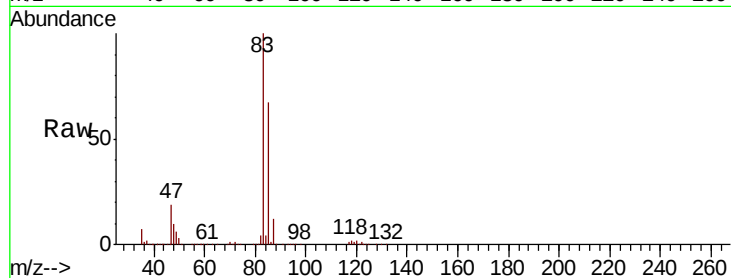
VSTDCCC010EC

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

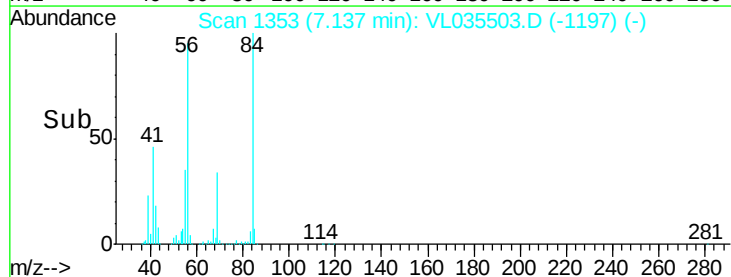
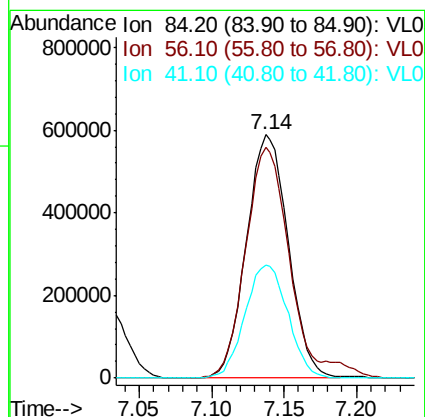
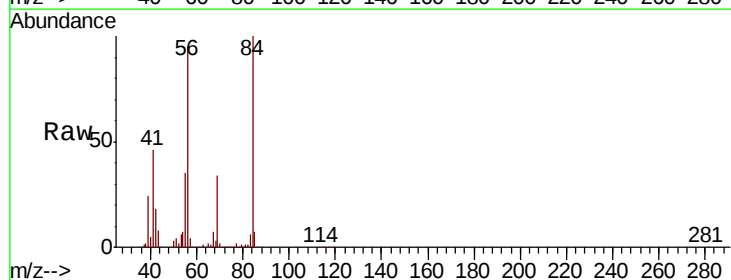
Tgt Ion: 84 Resp: 1183013

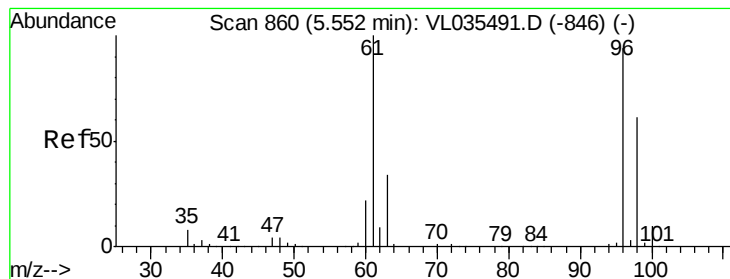
Ion Ratio Lower Upper

84 100

56 101.2 79.9 119.9

41 47.7 37.6 56.4



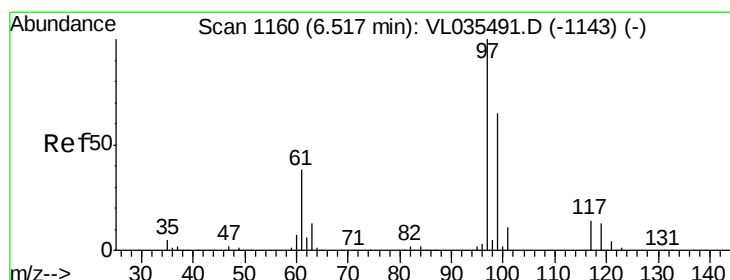
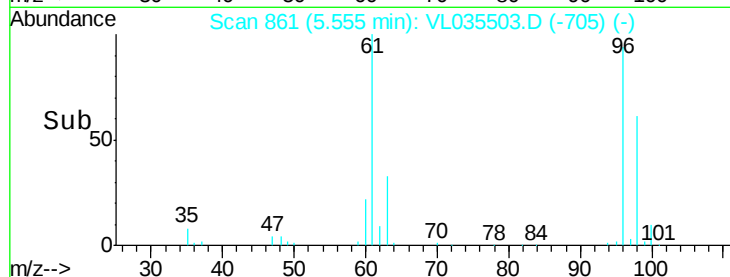
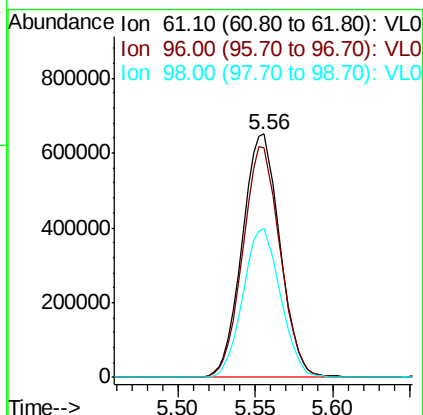
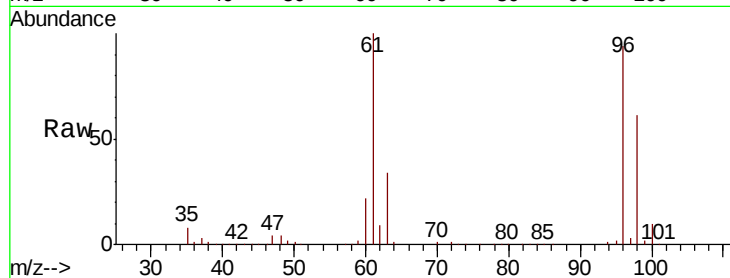


#31

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

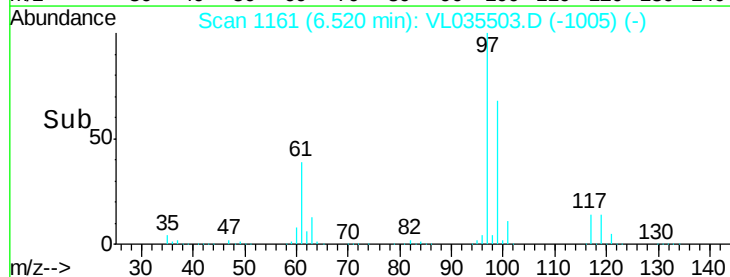
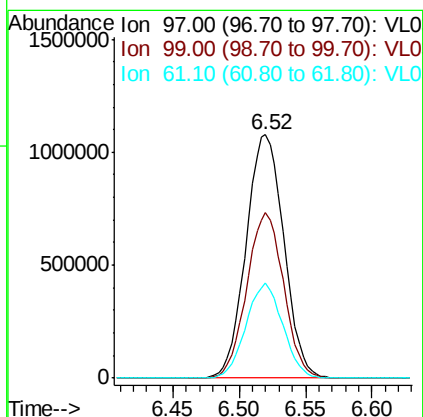
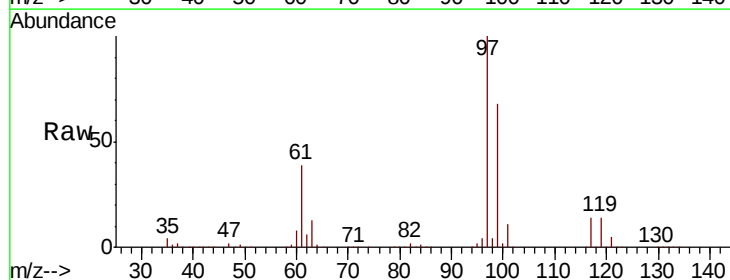
Tot Ion: 61 Resp: 1109573
 Ion Ratio Lower Upper
 61 100
 96 94.2 75.5 113.3
 98 61.1 48.9 73.3

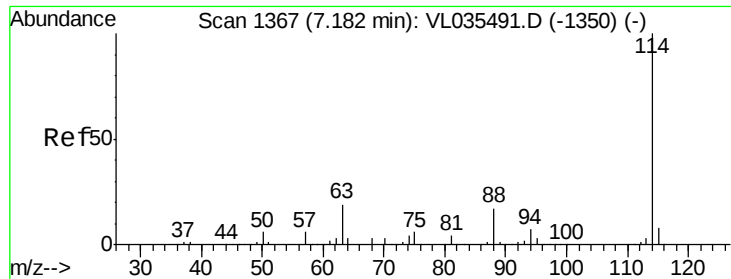


#32

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

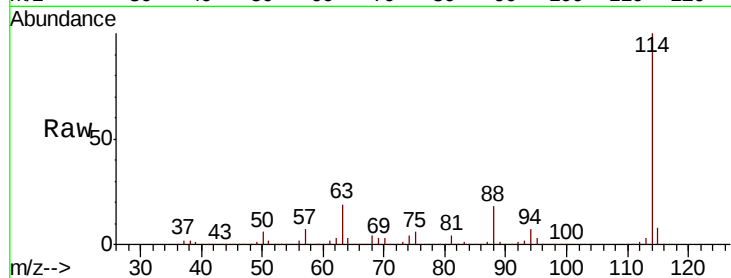




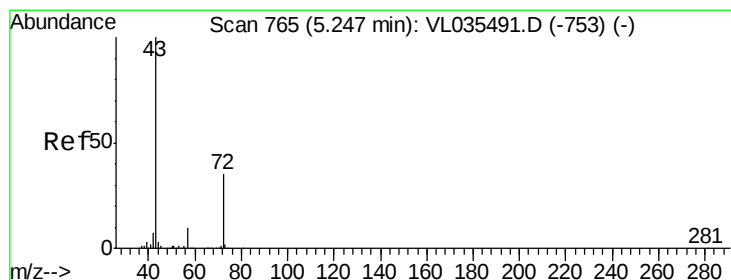
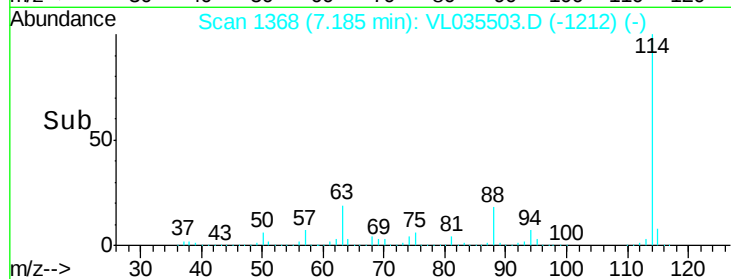
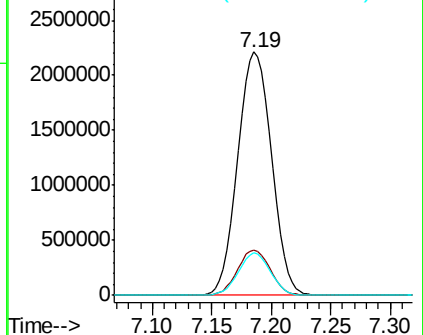
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

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

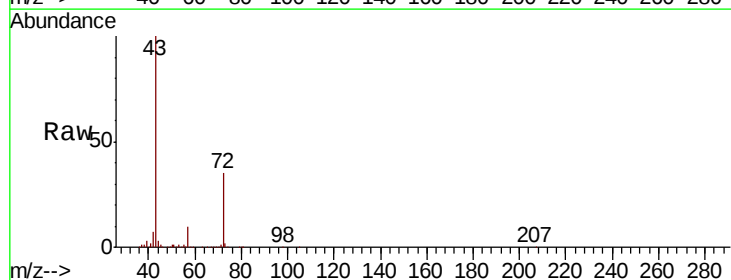


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

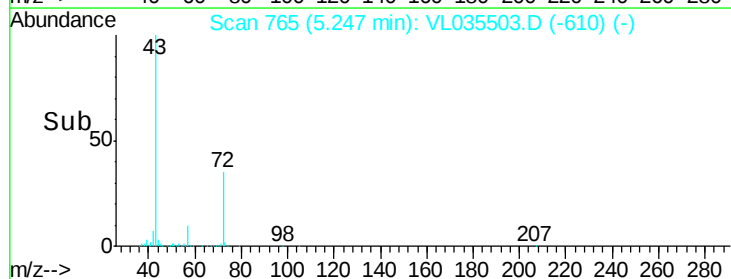
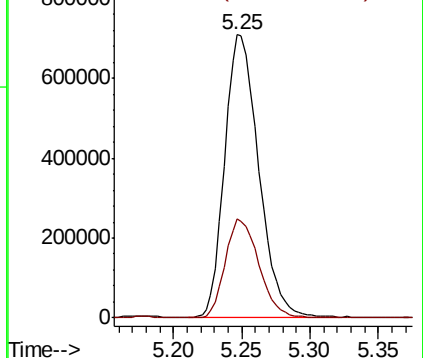


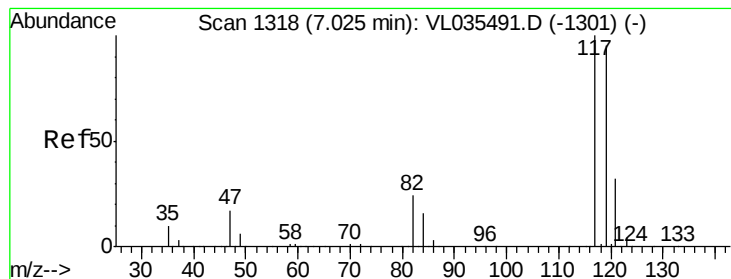
#34
 2-Butanone
 Concen: 9.555 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

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



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





#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

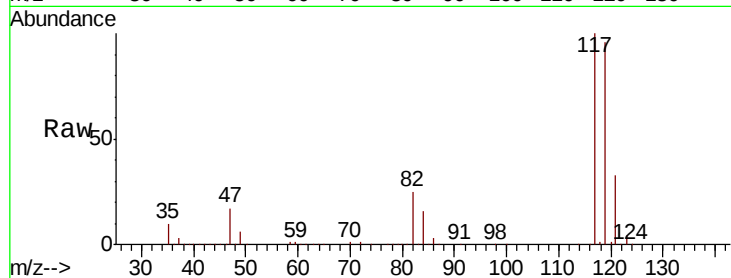
Tot Ion:117 Resp: 2273776

Ion Ratio Lower Upper

117 100

119 96.5 75.6 113.4

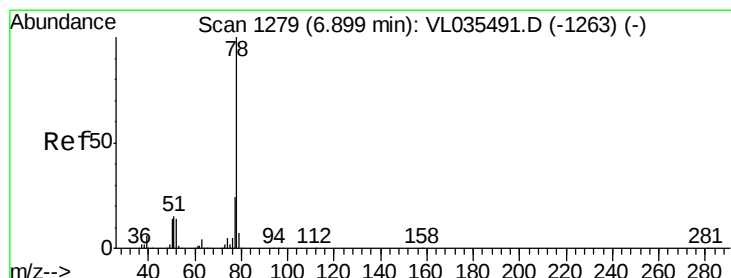
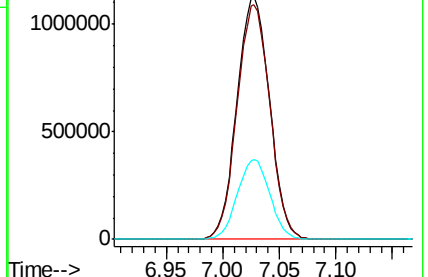
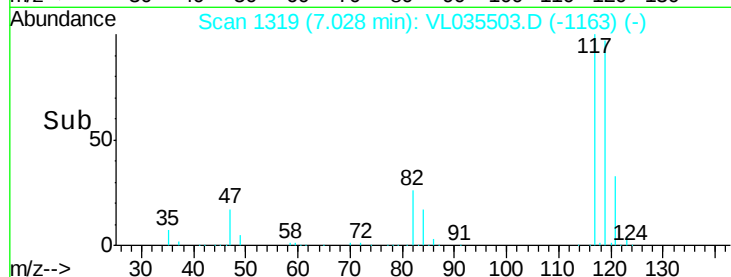
121 32.9 25.6 38.4



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

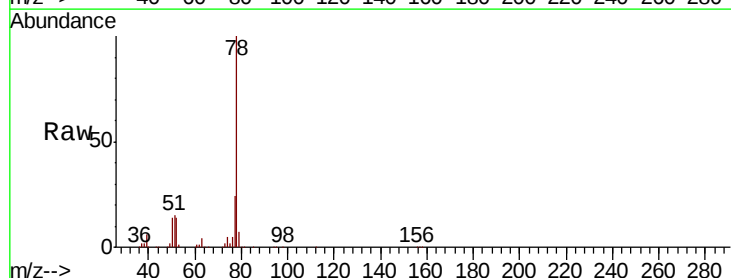
Tgt Ion: 78 Resp: 2713921

Ion Ratio Lower Upper

78 100

77 24.3 19.2 28.8

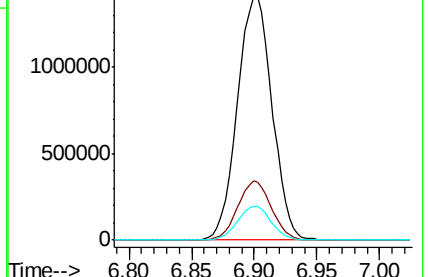
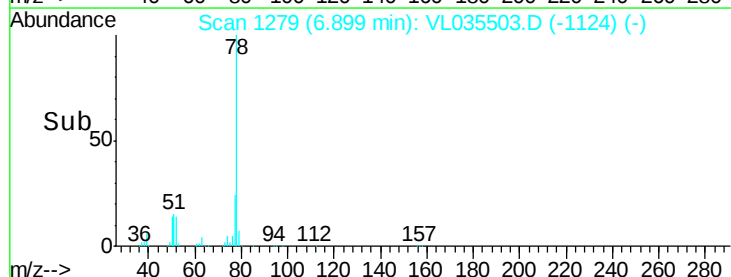
50 13.7 11.0 16.4

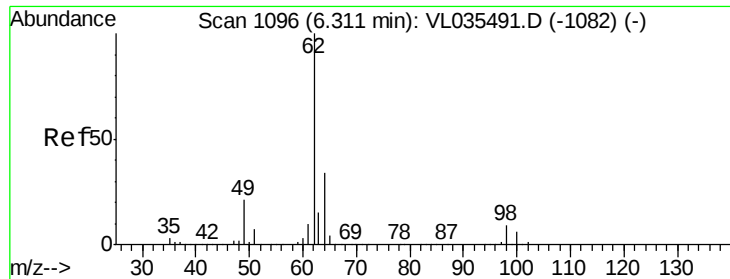


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

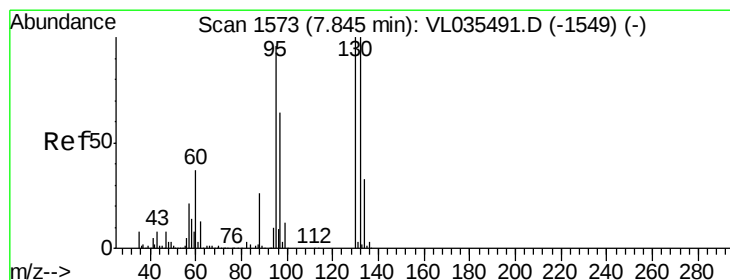
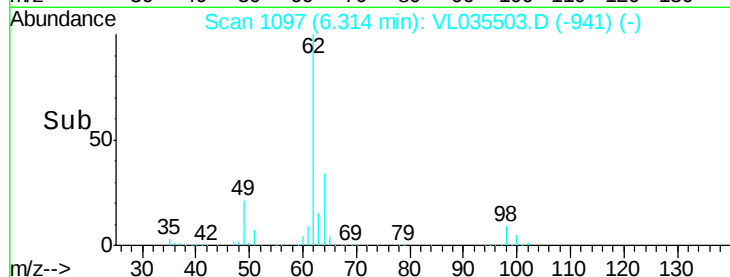
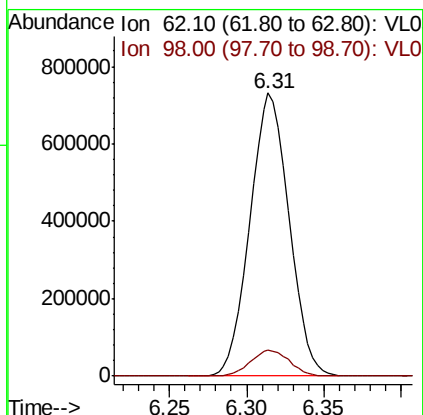
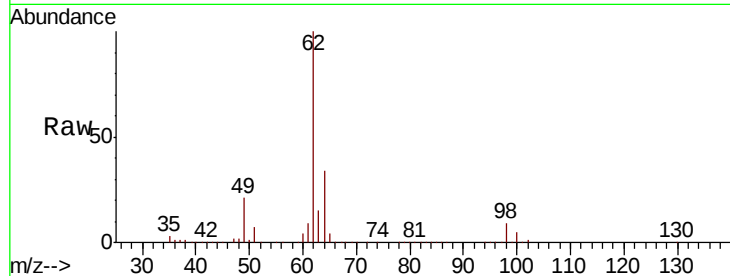




#37
 1,2-Dichloroethane
 Concen: 9.514 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

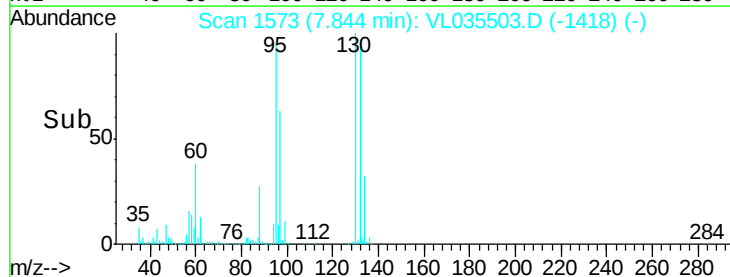
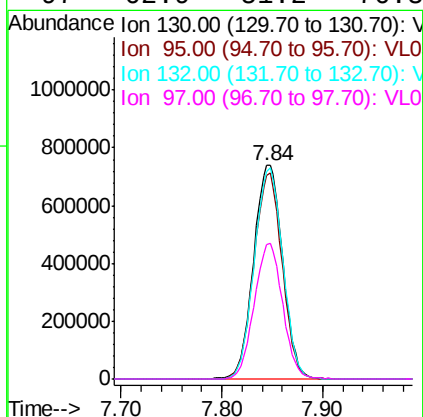
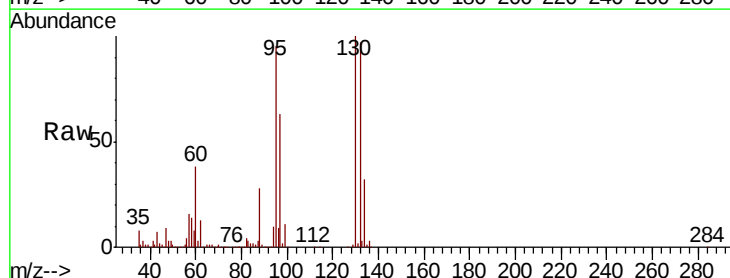
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

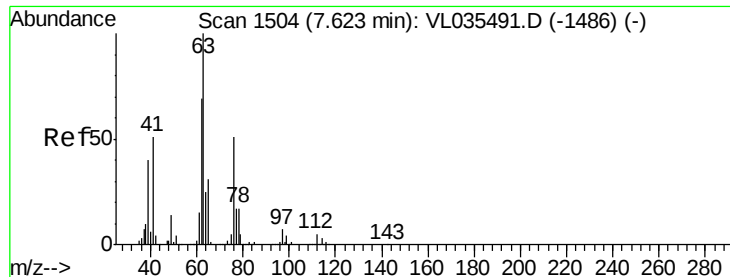
Tot Ion: 62 Resp: 1293270
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.2



#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

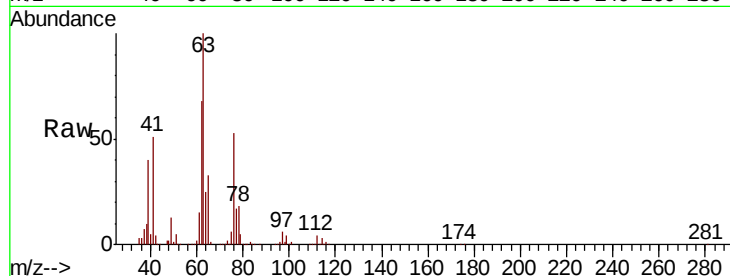
Tot Ion: 63 Resp: 905204

Ion Ratio Lower Upper

63 100

41 50.8 40.9 61.3

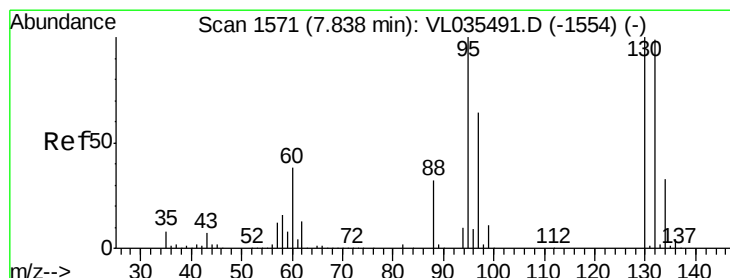
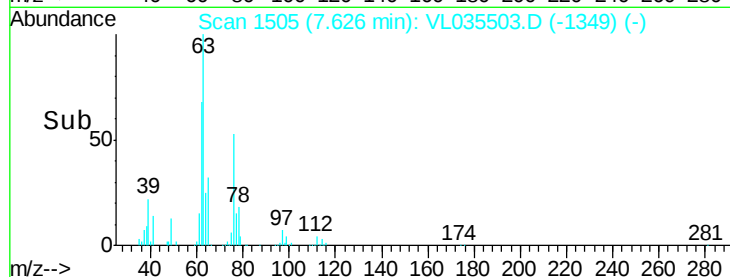
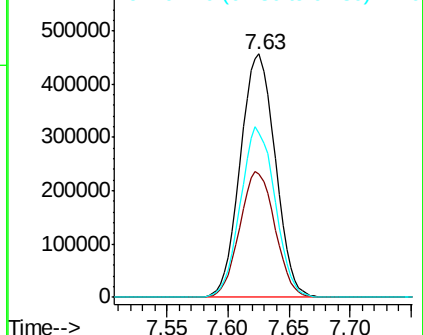
62 67.7 55.3 82.9



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.018 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

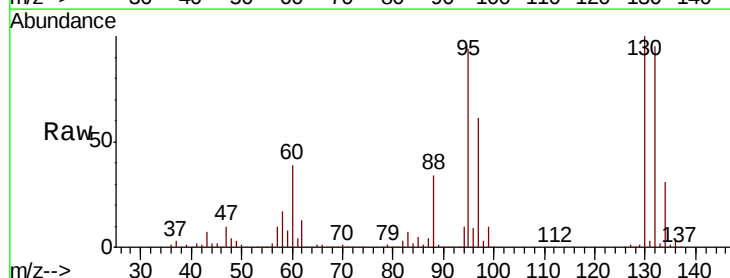
Ion Ratio Lower Upper

88 100

58 88.1 68.1 102.1

43 135.2 101.0 151.4

57 732.7 546.5 819.7

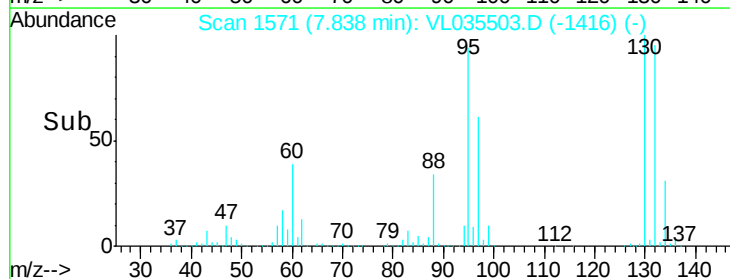
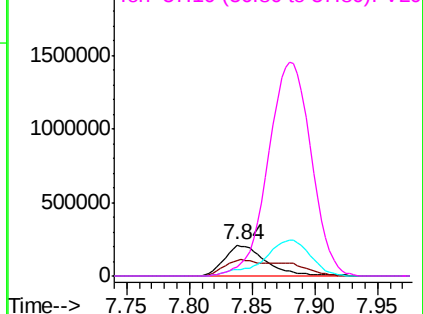


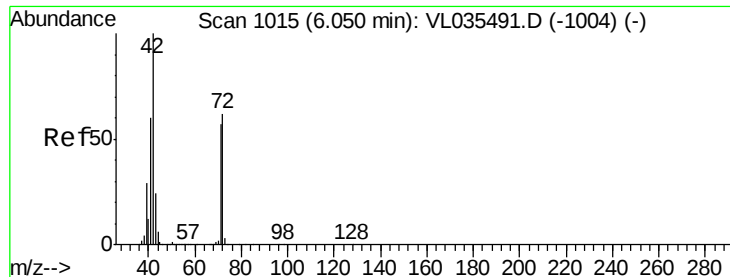
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.018 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

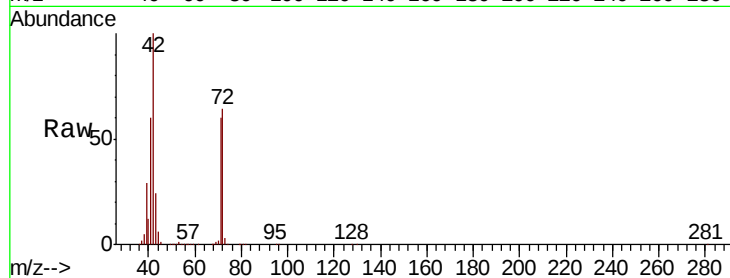
Tot Ion: 42 Resp: 699063

Ion Ratio Lower Upper

42 100

72 60.9 49.1 73.7

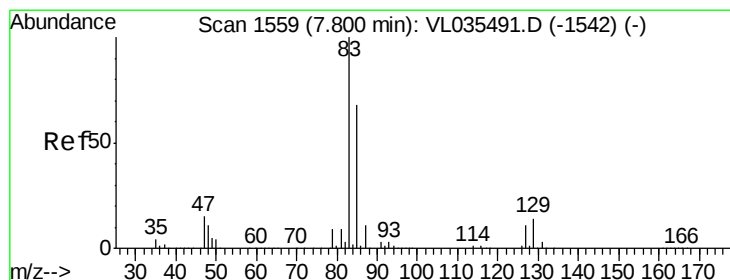
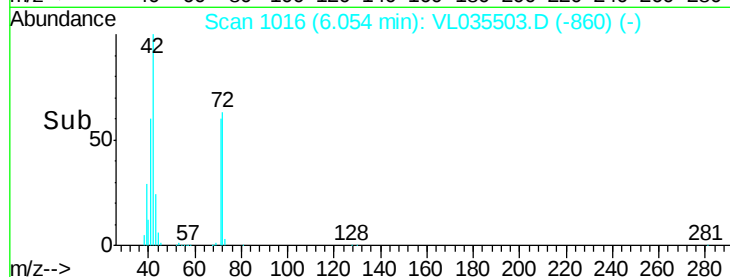
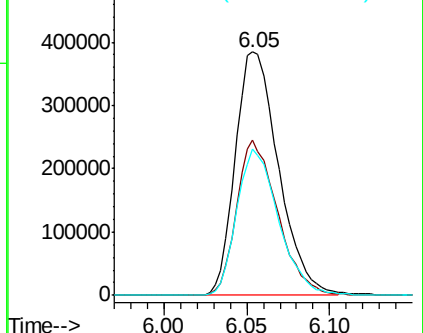
71 58.2 46.7 70.1



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.110 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

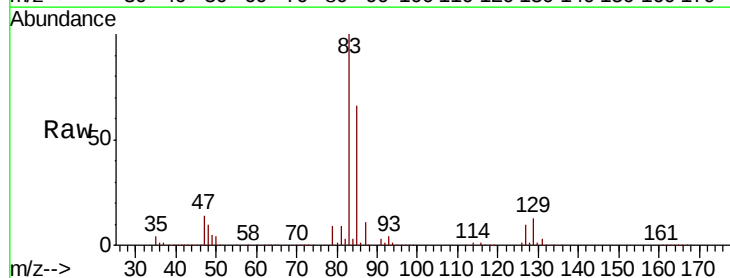
Tgt Ion: 83 Resp: 2247568

Ion Ratio Lower Upper

83 100

85 65.6 54.8 82.2

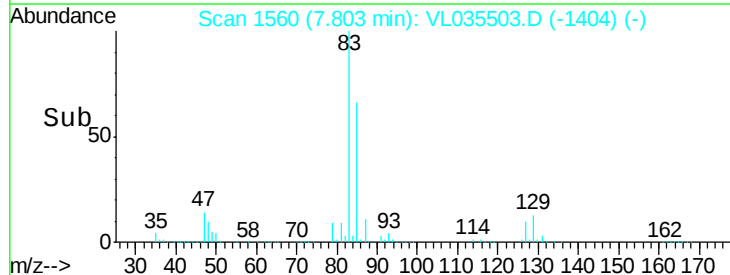
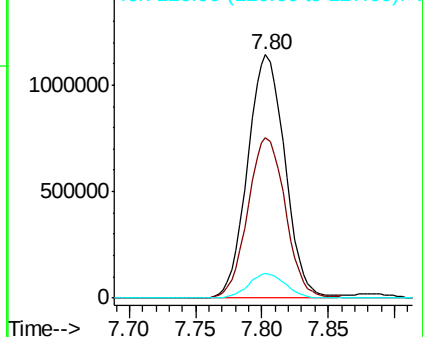
127 10.0 8.6 13.0

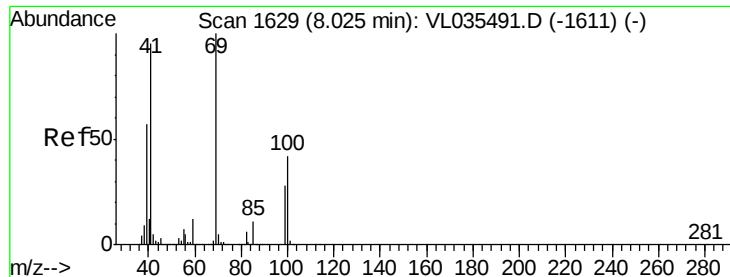


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

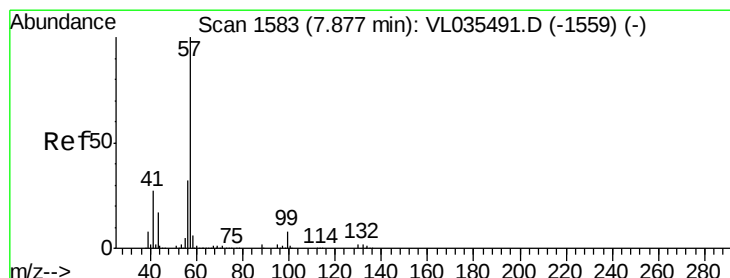
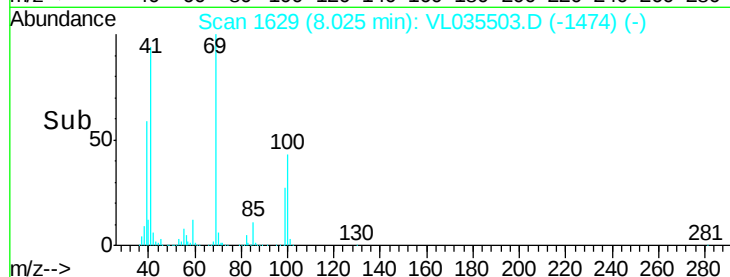
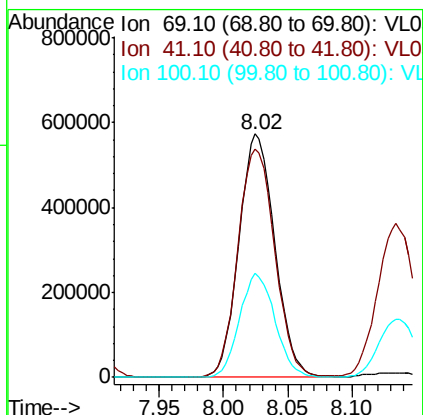
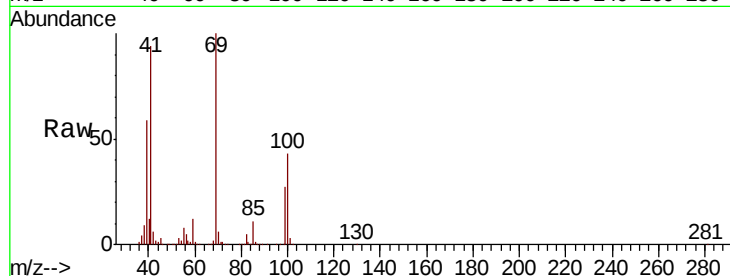




#43
Methvl Methacrilate
Concen: 10.034 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

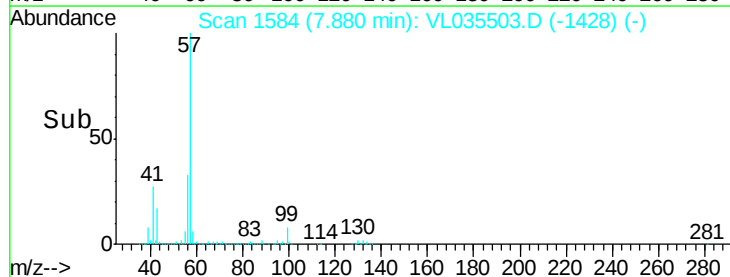
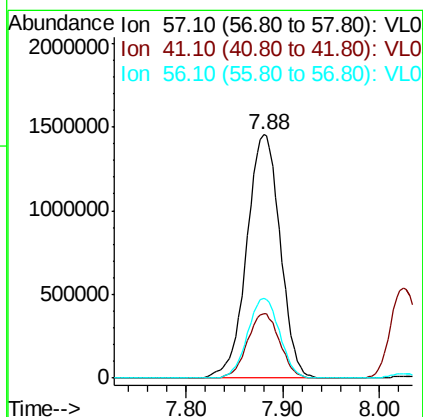
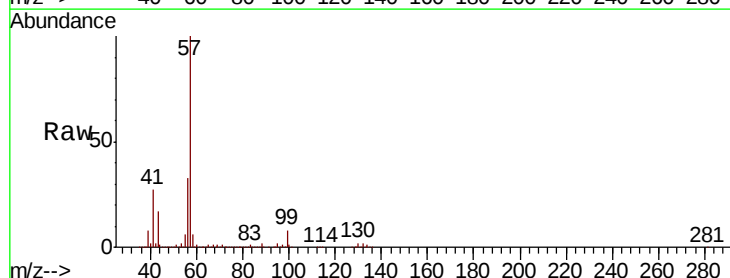
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

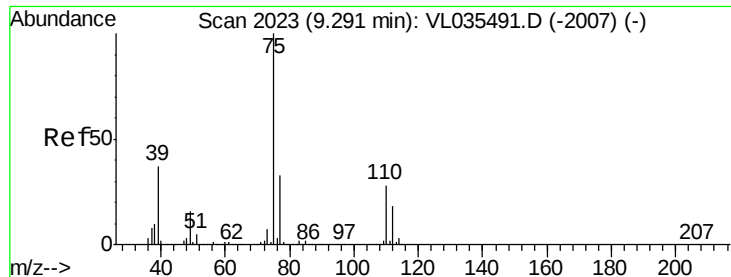
Tot Ion: 69 Resp: 1112824
Ion Ratio Lower Upper
69 100
41 96.6 76.1 114.1
100 42.3 34.2 51.4



#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 :

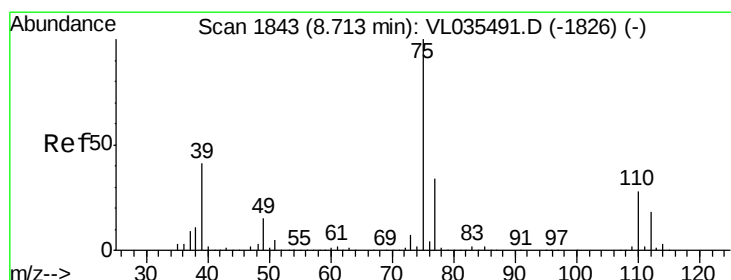
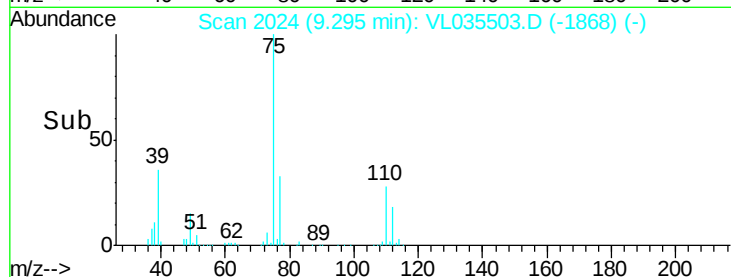
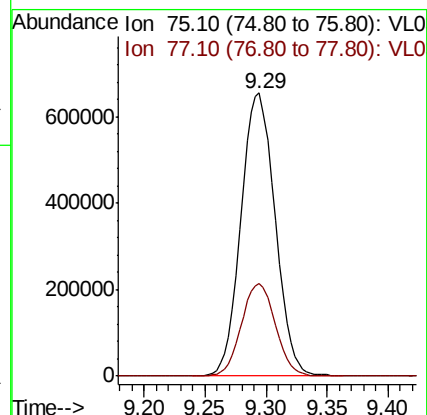
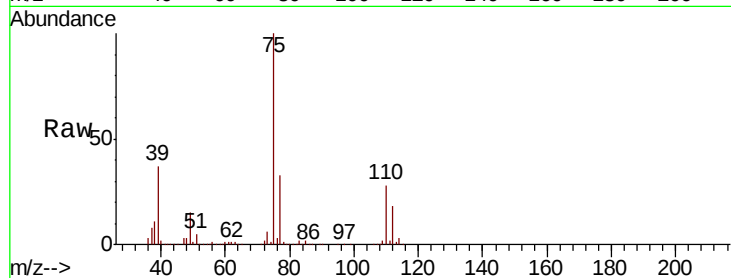
VSTDCCC010EC

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

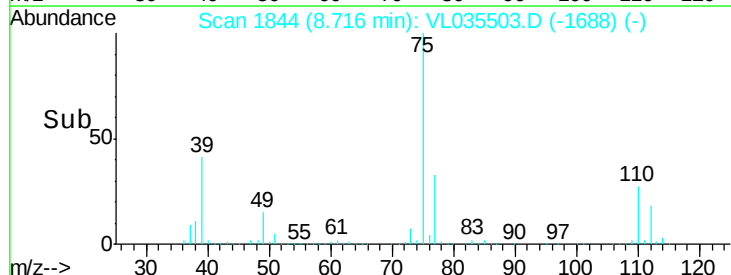
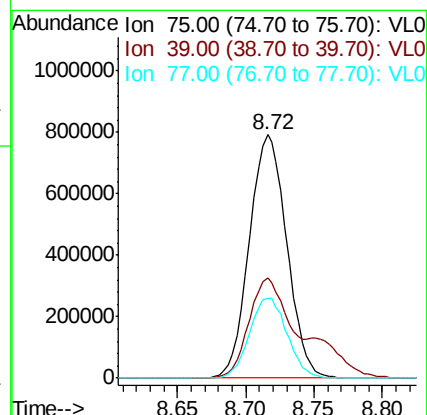
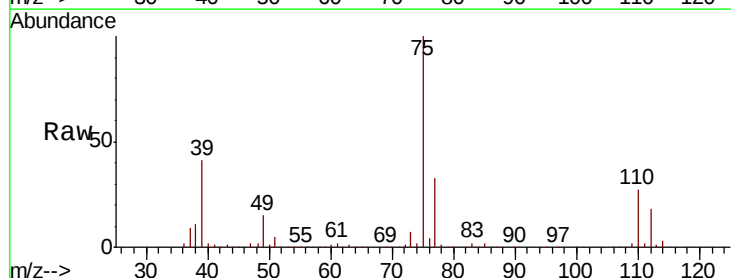
Tgt Ion: 75 Resp: 1510845

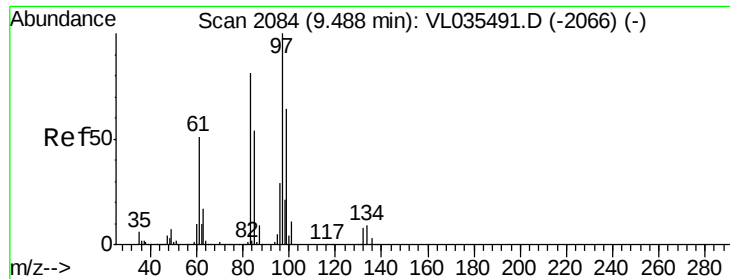
Ion Ratio Lower Upper

75 100

39 41.4 33.2 49.8

77 32.8 27.1 40.7



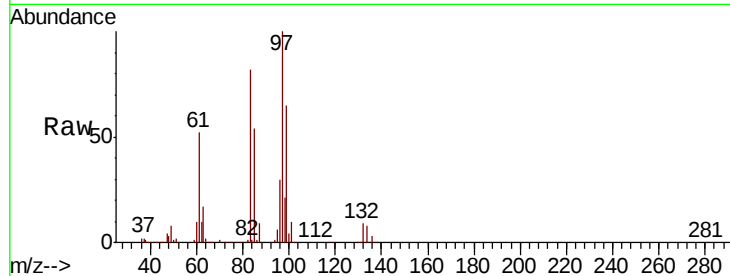


#47
 1,1,2-Trichloroethane
 Concen: 9.388 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

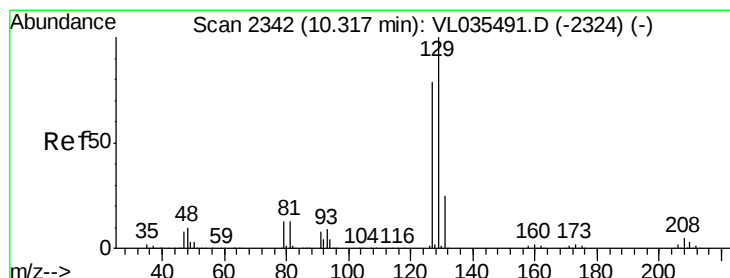
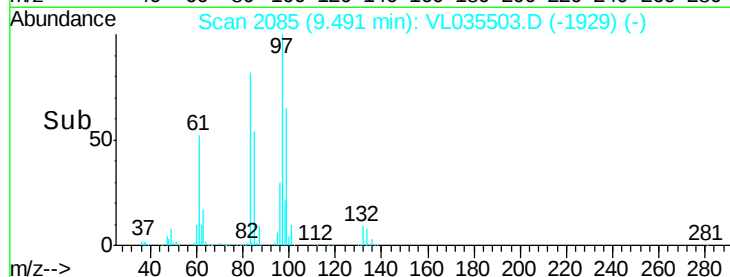
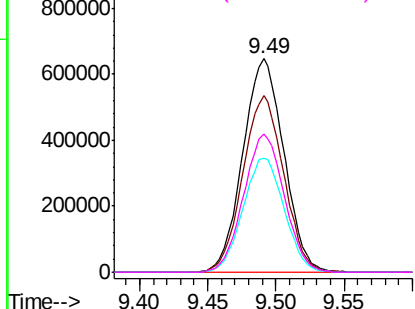
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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



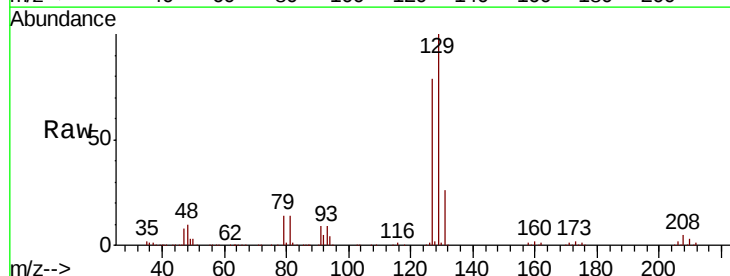
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



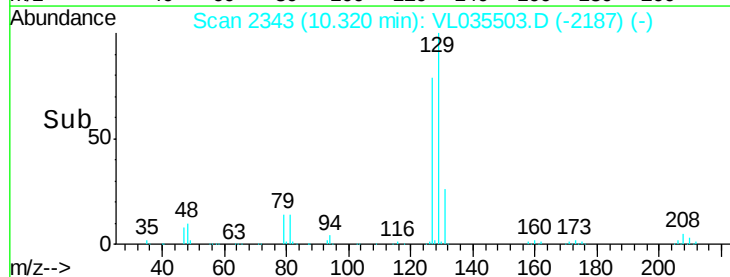
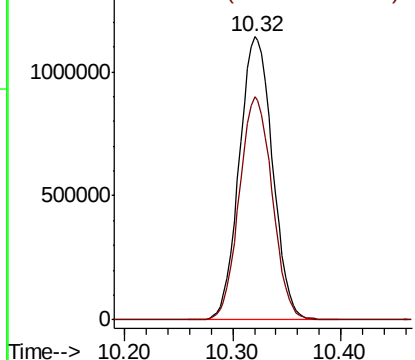
#48
 Dibromochloromethane
 Concen: 10.683 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

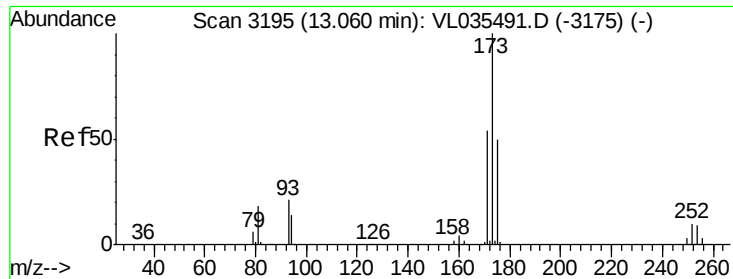
Tgt Ion: 129 Resp: 2447930

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

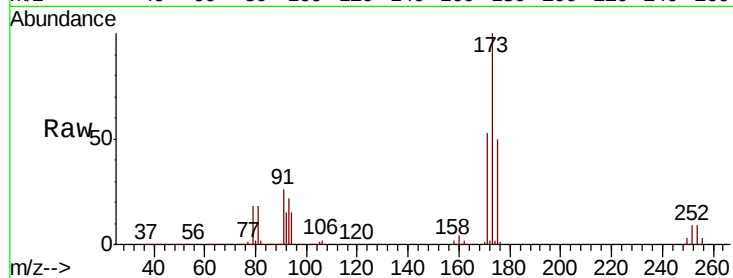
Tot Ion:173 Resp: 2350685

Ion Ratio Lower Upper

173 100

175 50.0 40.2 60.4

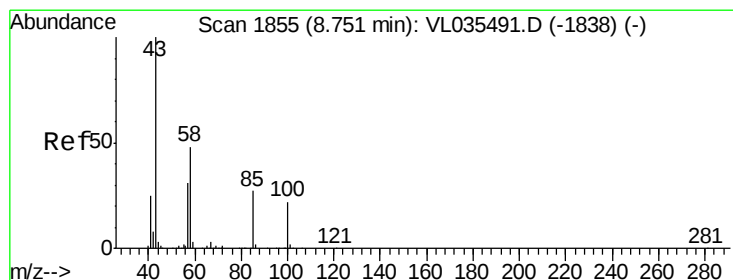
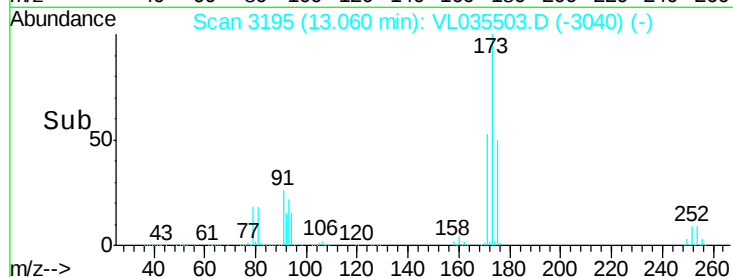
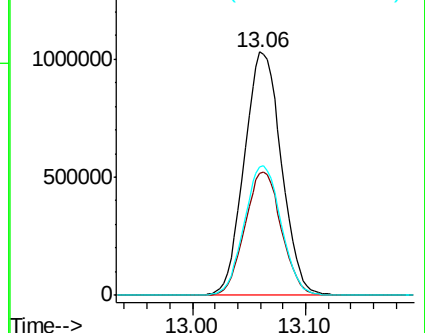
171 53.3 42.7 64.1



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

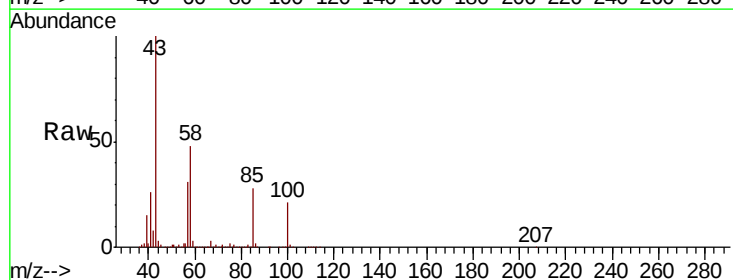
Acq: 23 Aug 2020 19:17

Tgt Ion: 43 Resp: 1851443

Ion Ratio Lower Upper

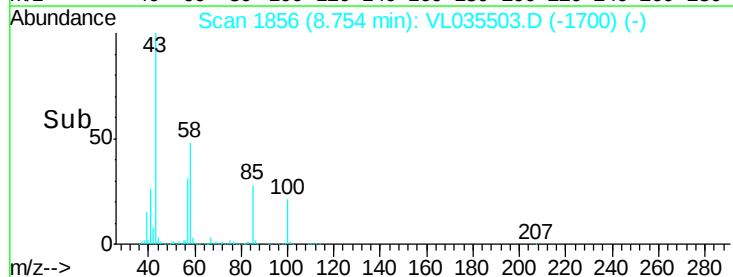
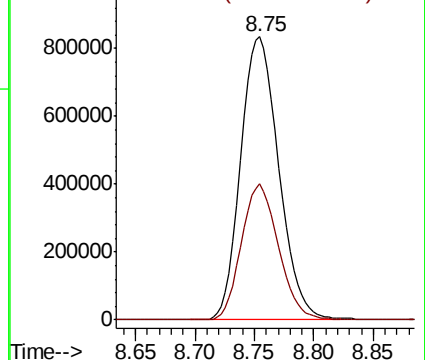
43 100

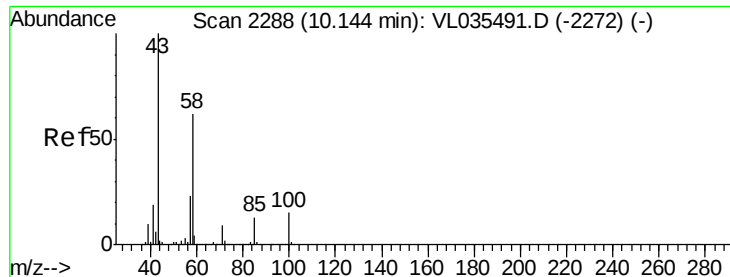
58 46.9 37.4 56.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

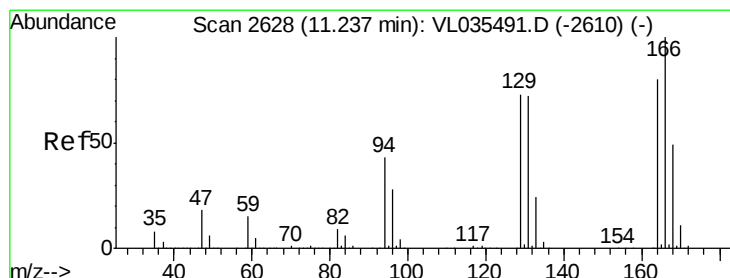
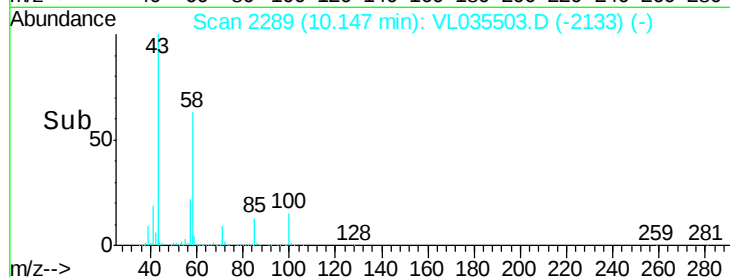
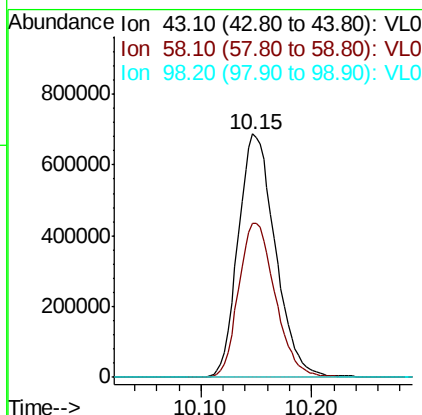
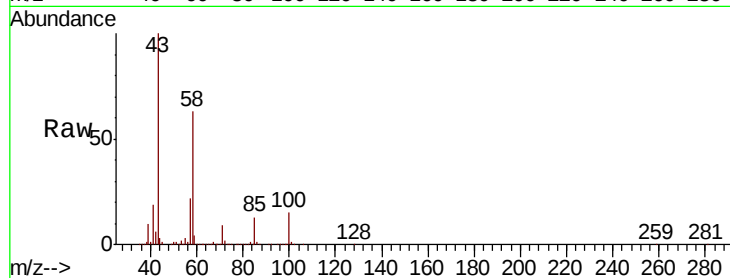




#51
2-Hexanone
Concen: 10.615 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

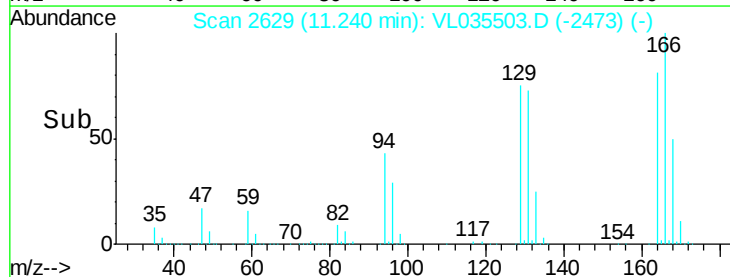
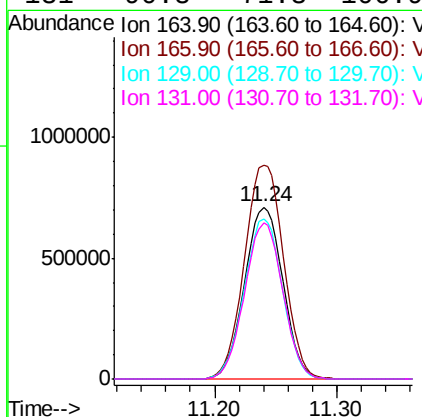
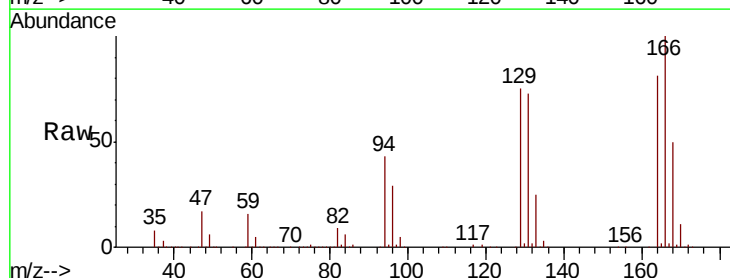
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

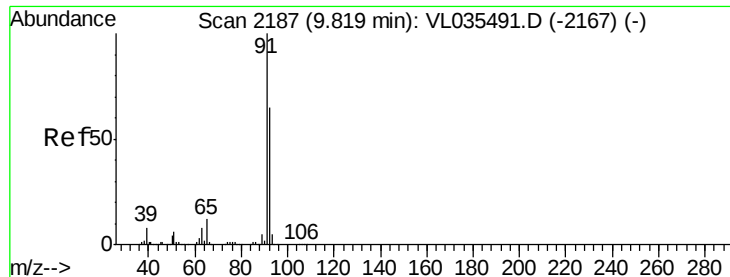
Tot Ion: 43 Resp: 1602516
Ion Ratio Lower Upper
43 100
58 62.7 50.3 75.5
98 0.5 0.4 0.6



#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 :

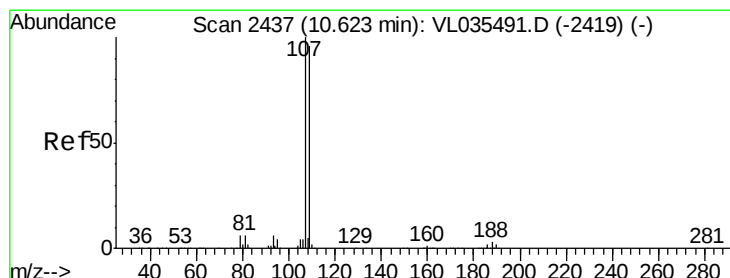
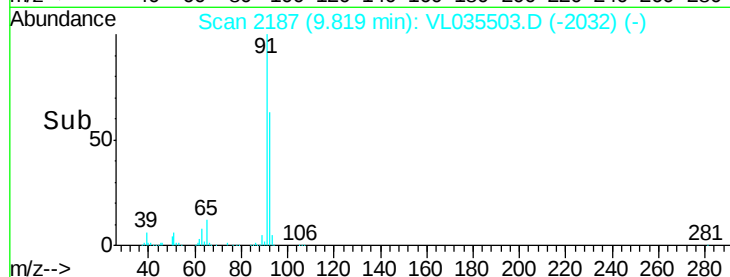
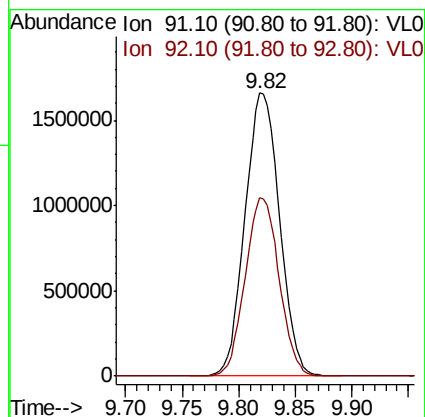
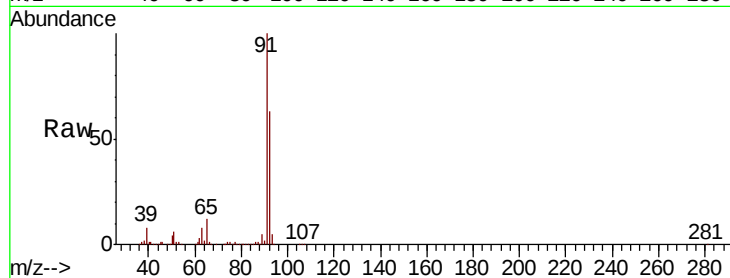
VSTDCCC010EC

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

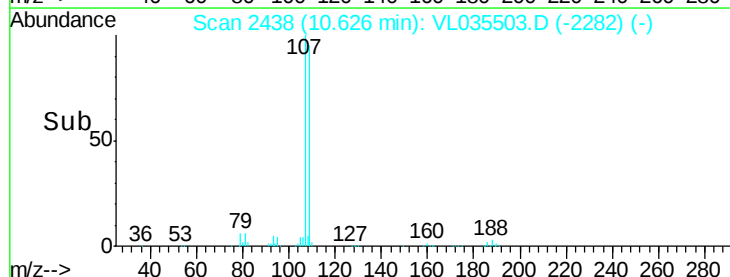
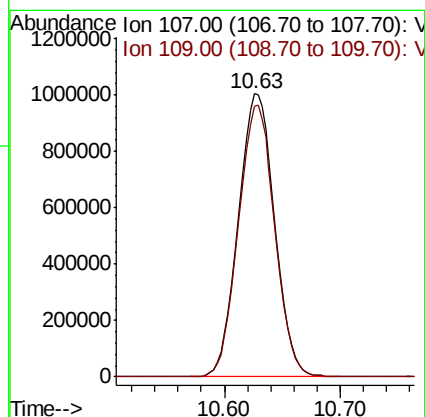
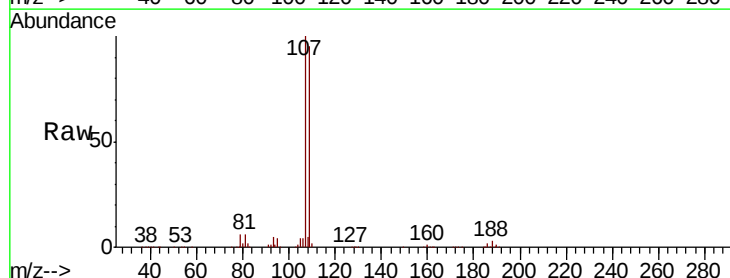
Acq: 23 Aug 2020 19:17

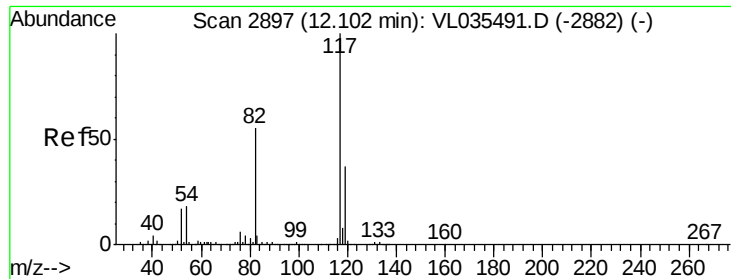
Tgt Ion: 107 Resp: 2180881

Ion Ratio Lower Upper

107 100

109 95.3 76.5 114.7

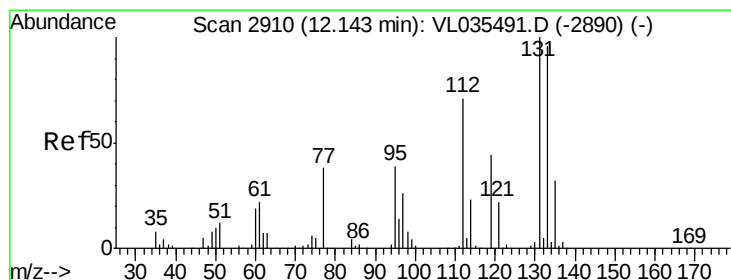
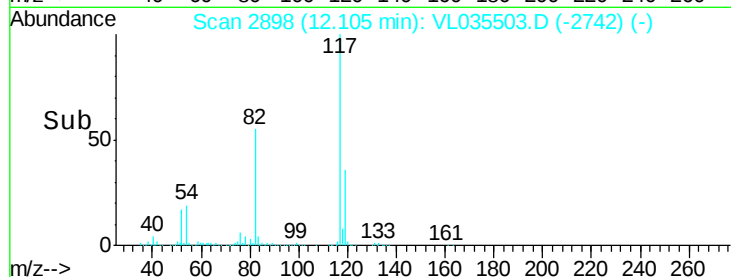
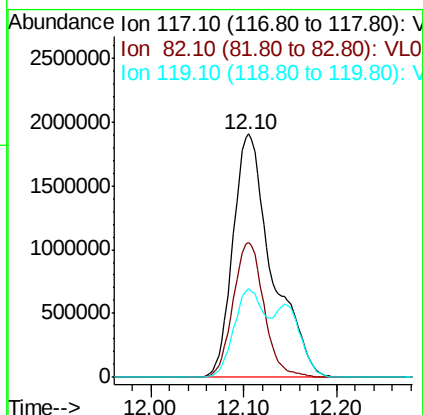
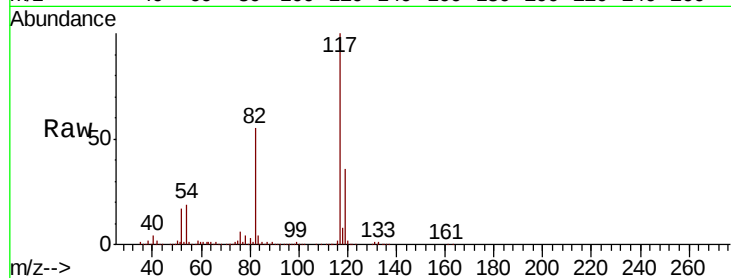




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL035503.D
Acq: 23 Aug 2020 19:17

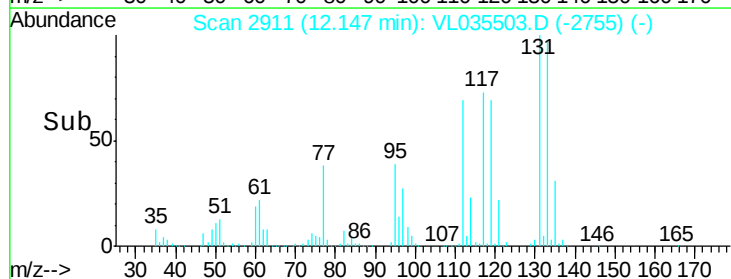
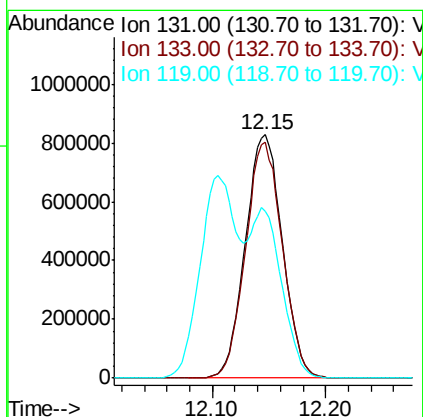
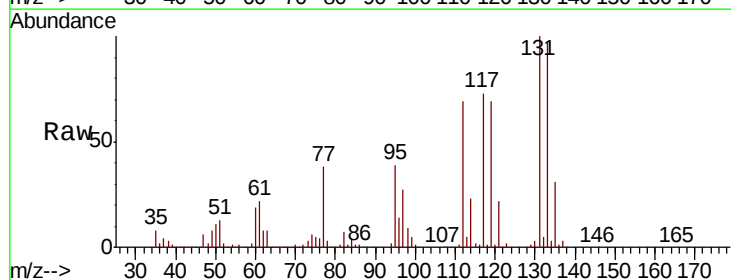
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

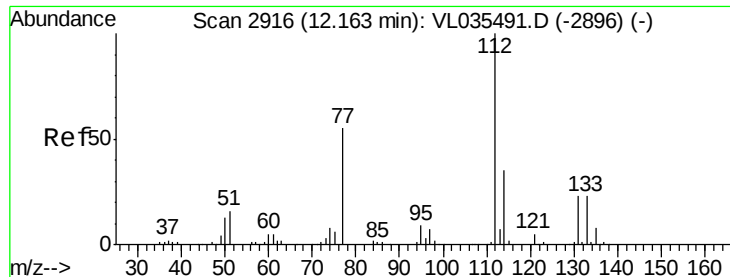
Tot Ion:117 Resp: 5578983
Ion Ratio Lower Upper
117 100
82 43.8 43.9 65.9#
119 28.2 30.4 45.6#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.968 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: 7.265 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

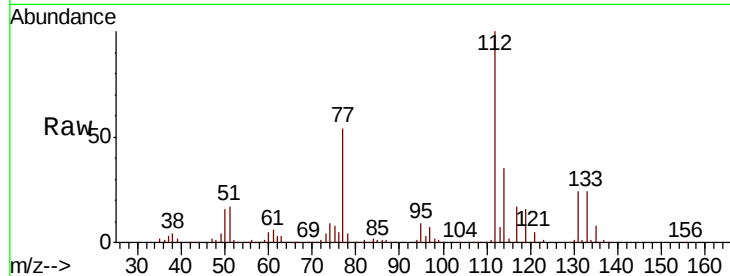
Tot Ion:112 Resp: 3052197

Ion Ratio Lower Upper

112 100

77 53.8 45.2 67.8

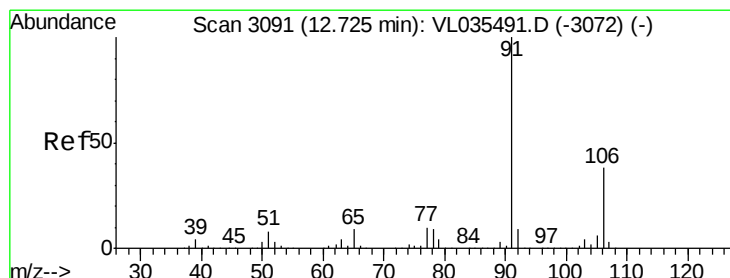
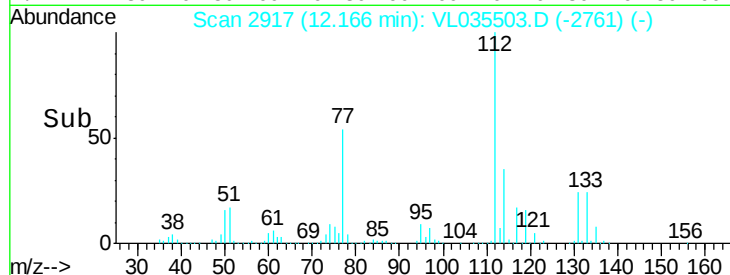
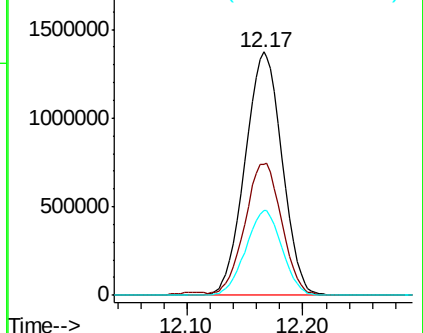
114 34.9 31.6 38.6



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: 7.745 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.00 min

Lab File: VL035503.D

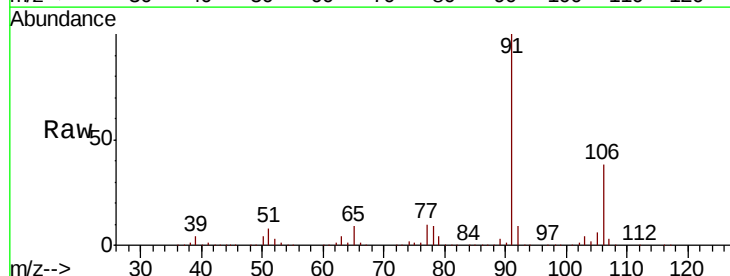
Acq: 23 Aug 2020 19:17

Tgt Ion: 91 Resp: 4639168

Ion Ratio Lower Upper

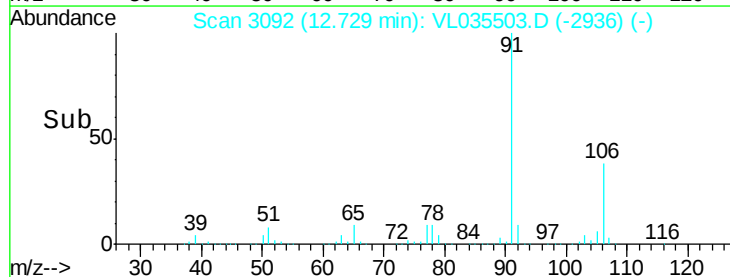
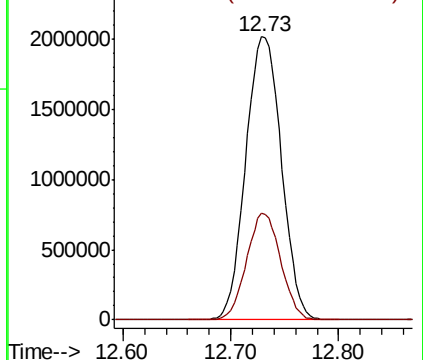
91 100

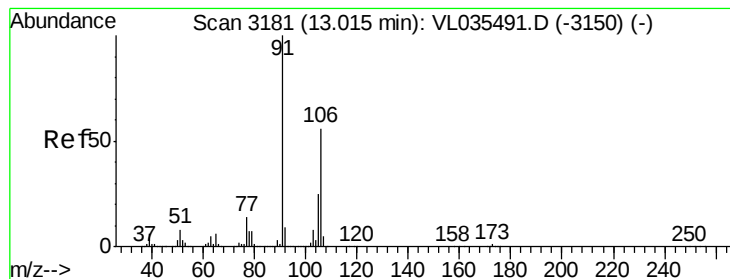
106 37.6 30.2 45.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.160 ppbv

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 :

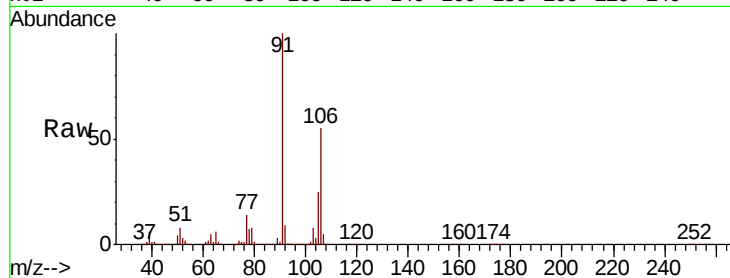
VSTDCCC010EC

Tot Ion: 91 Resp: 4160021

Ion Ratio Lower Upper

91 100

106 96.7 42.6 63.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.02

2000000

1500000

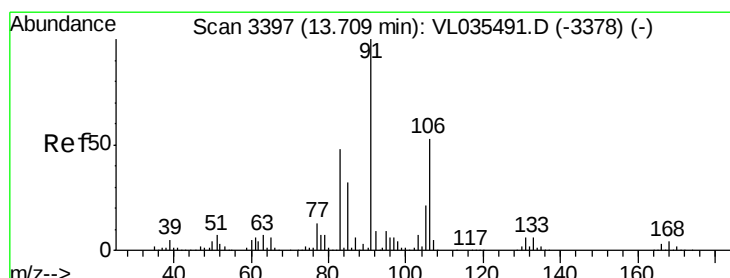
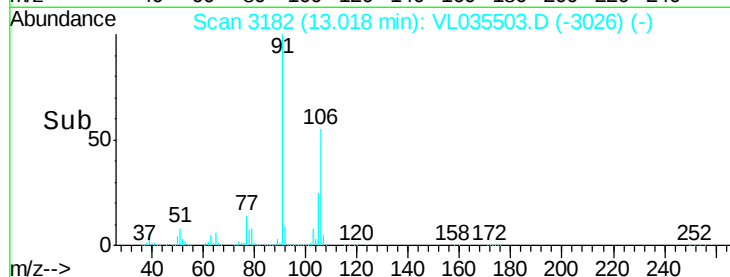
1000000

500000

0

Time-->

13.00 13.10



#60

o-Xylene

Concen: 7.623 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL035503.D

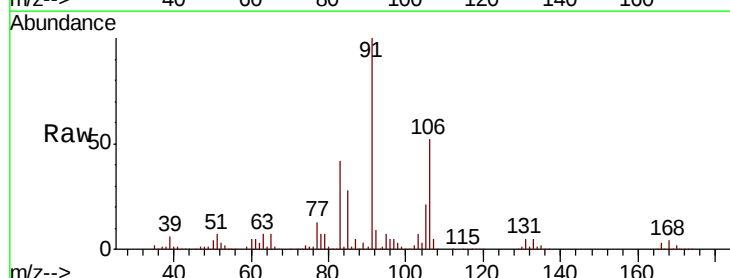
Acq: 23 Aug 2020 19:17

Tgt Ion: 91 Resp: 3815134

Ion Ratio Lower Upper

91 100

106 51.5 25.9 77.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.72

1500000

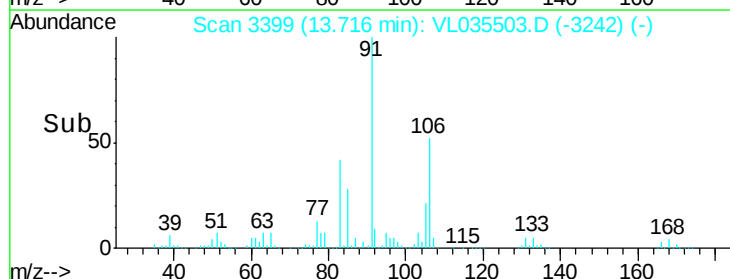
1000000

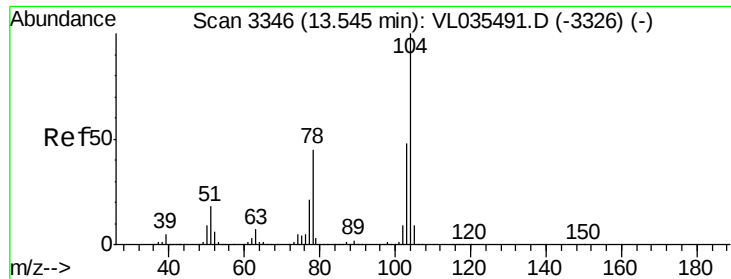
500000

0

Time-->

13.60 13.70 13.80





#61

Stvrene

Concen: 8.124 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

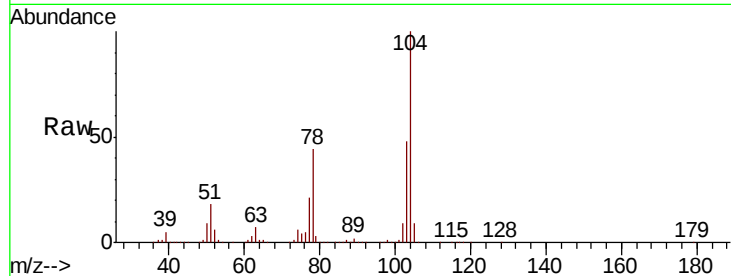
Tot Ion:104 Resp: 3134045

Ion Ratio Lower Upper

104 100

78 43.8 34.7 52.1

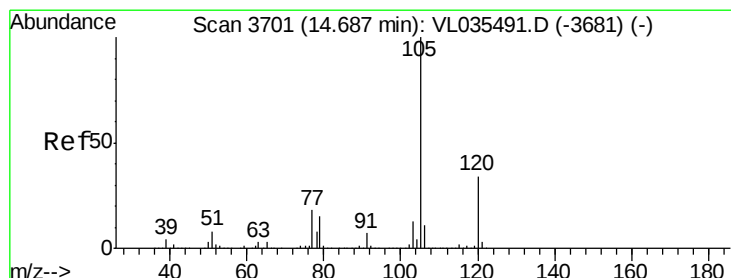
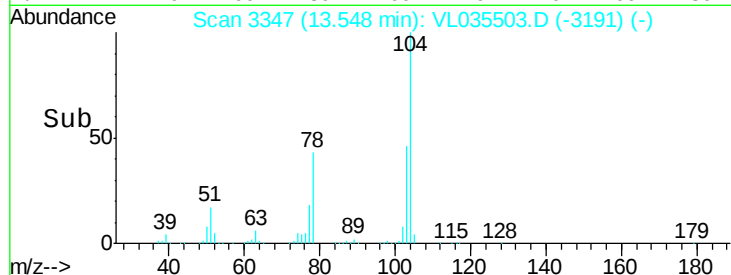
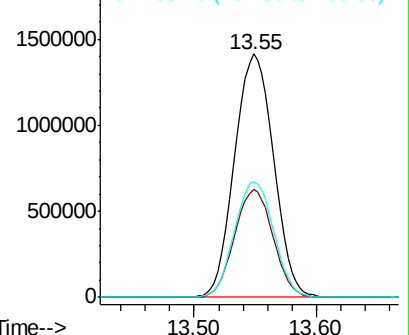
103 47.7 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.398 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL035503.D

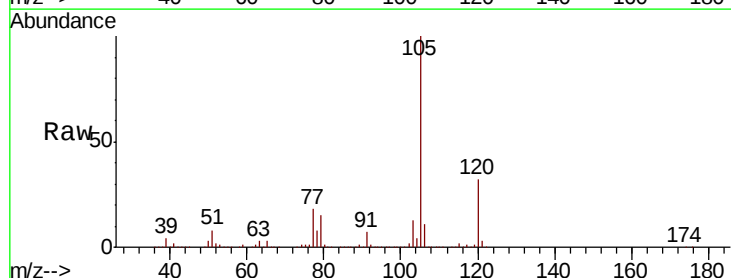
Acq: 23 Aug 2020 19:17

Tgt Ion:105 Resp: 5997455

Ion Ratio Lower Upper

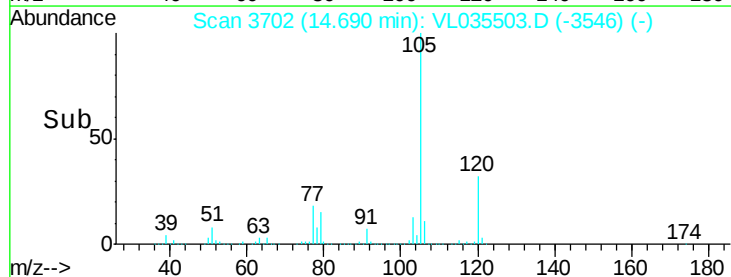
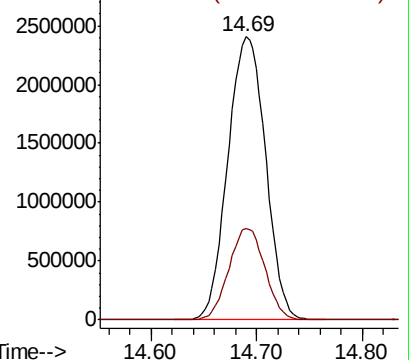
105 100

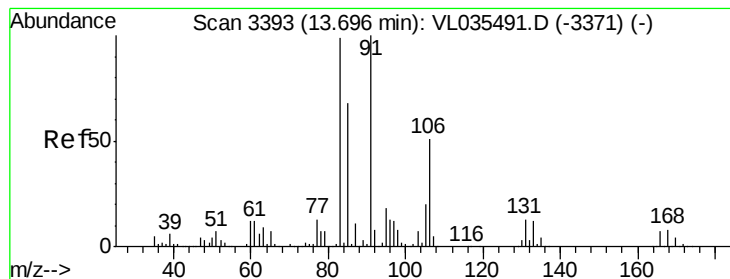
120 30.8 25.0 37.4



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: 7.374 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

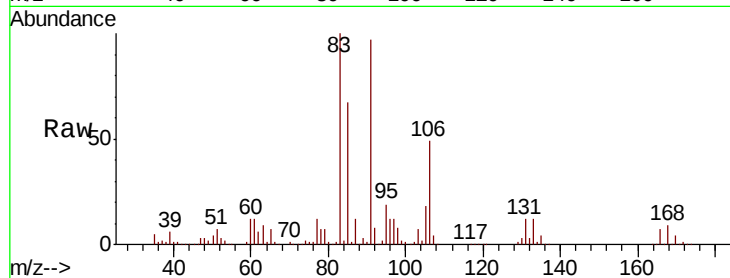
Tot Ion: 83 Resp: 2685665

Ion Ratio Lower Upper

83 100

131 12.0 6.2 18.4

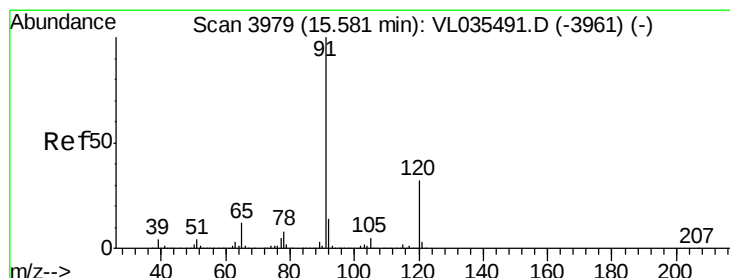
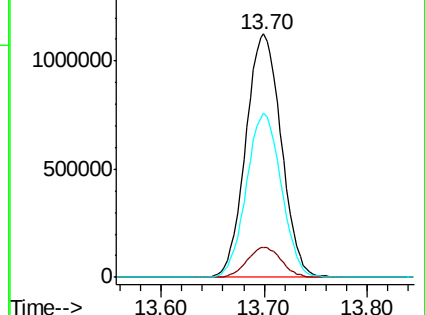
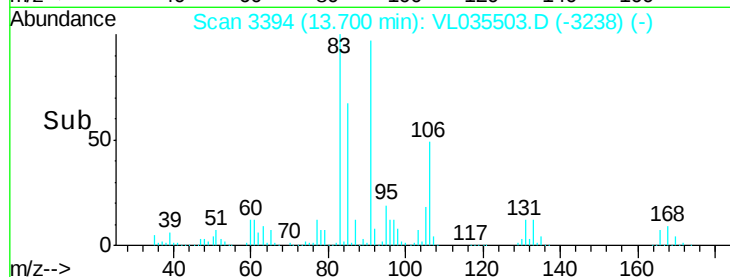
85 66.7 33.4 100.2



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: 7.744 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.00 min

Lab File: VL035503.D

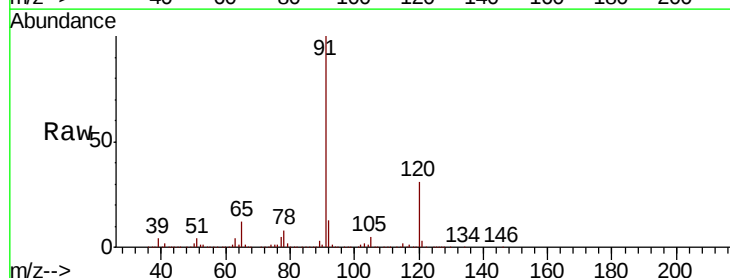
Acq: 23 Aug 2020 19:17

Tgt Ion:120 Resp: 1908047

Ion Ratio Lower Upper

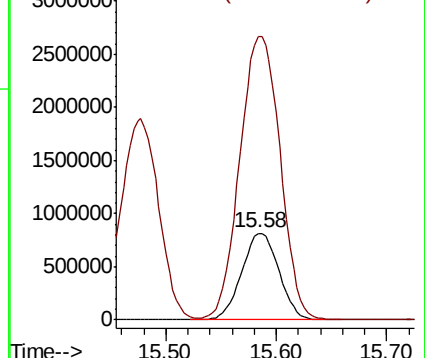
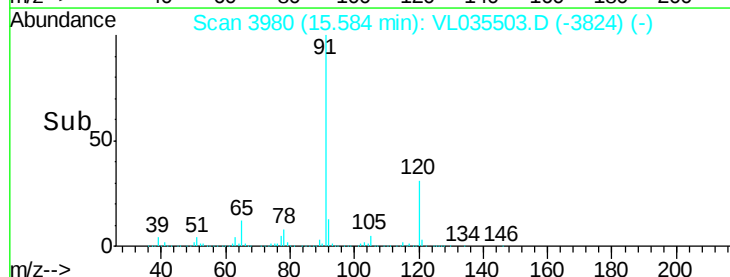
120 100

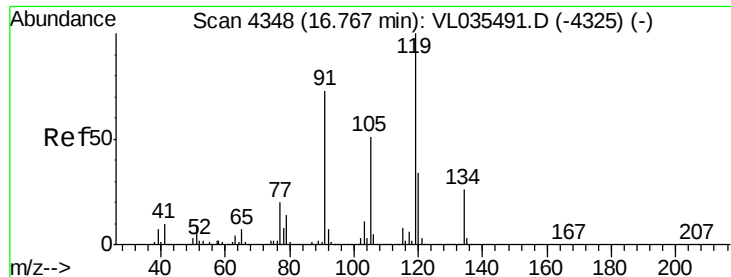
91 355.2 280.3 420.5



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.479 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

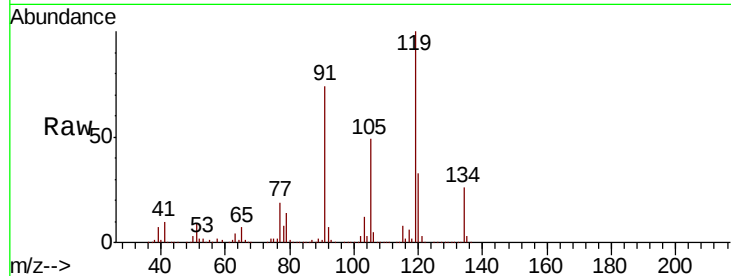
Tot Ion:119 Resp: 5762717

Ion Ratio Lower Upper

119 100

91 72.5 57.8 86.8

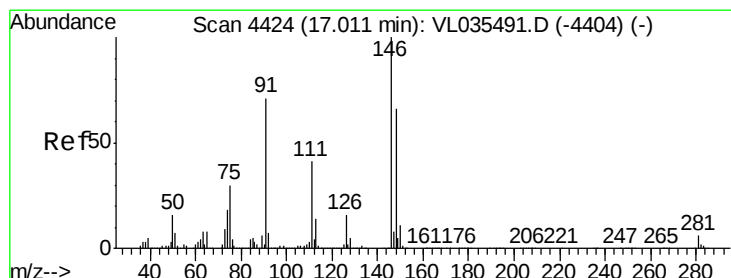
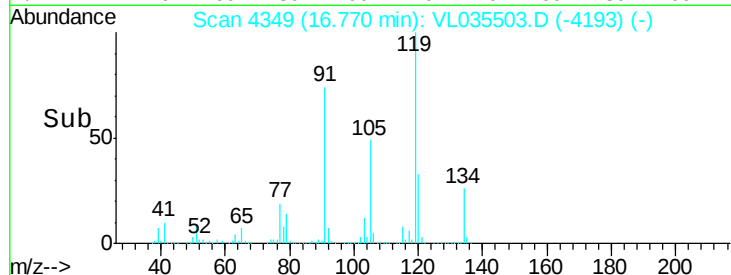
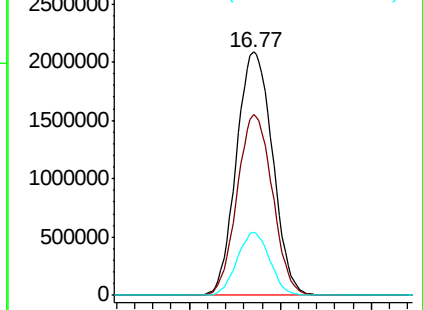
134 23.4 18.8 28.2



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: 9.619 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

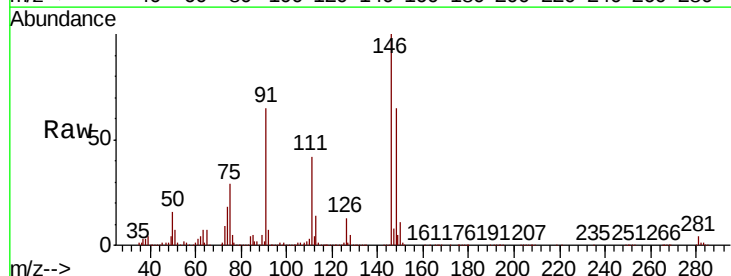
Tgt Ion: 91 Resp: 1815023

Ion Ratio Lower Upper

91 100

126 20.6 17.3 25.9

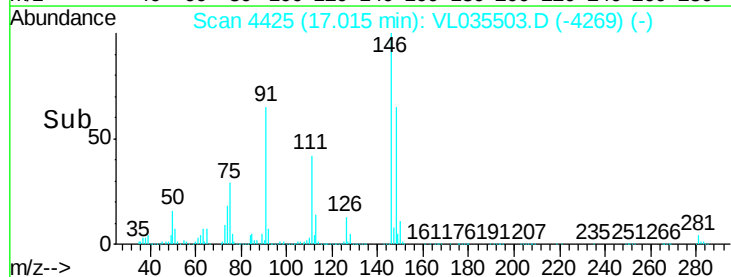
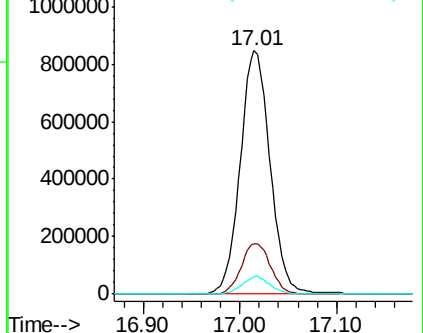
128 6.6 5.6 8.4

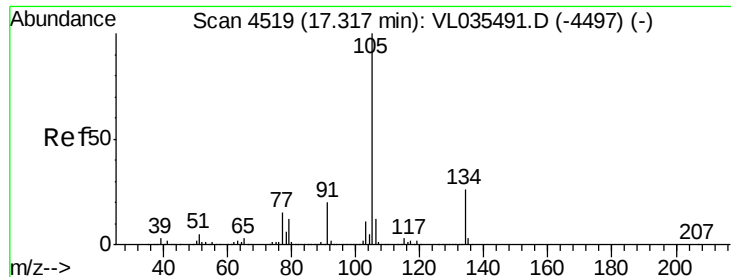


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.305 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 :

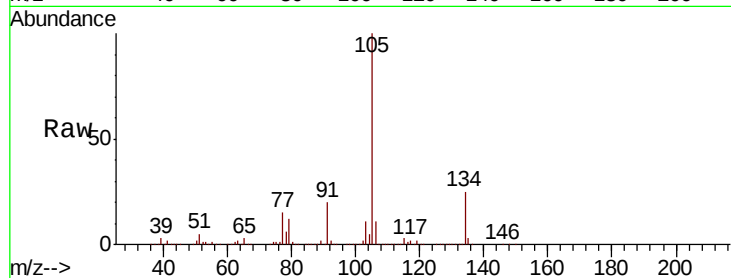
VSTDCCC010EC

Tot Ion:105 Resp: 7478171

Ion Ratio Lower Upper

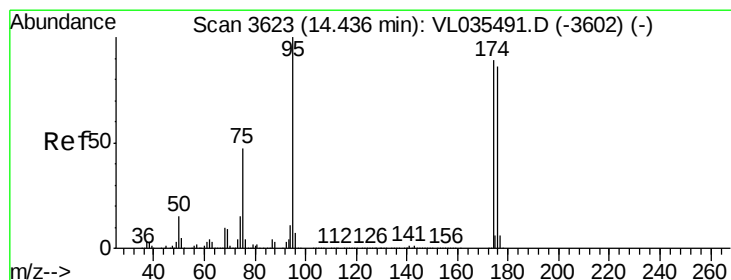
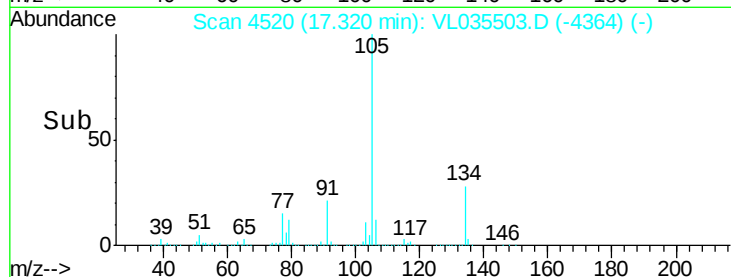
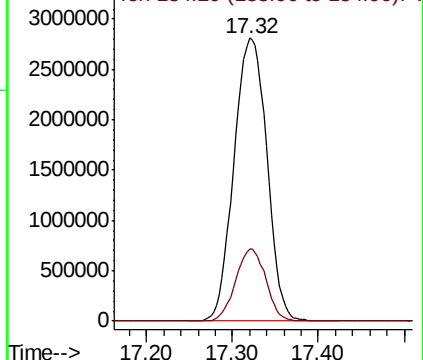
105 100

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: 8.192 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

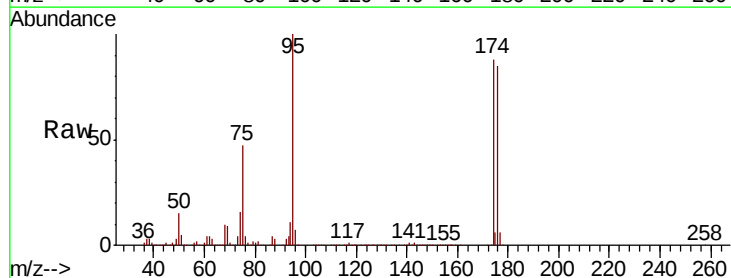
Tgt Ion: 95 Resp: 3265873

Ion Ratio Lower Upper

95 100

174 87.9 70.9 106.3

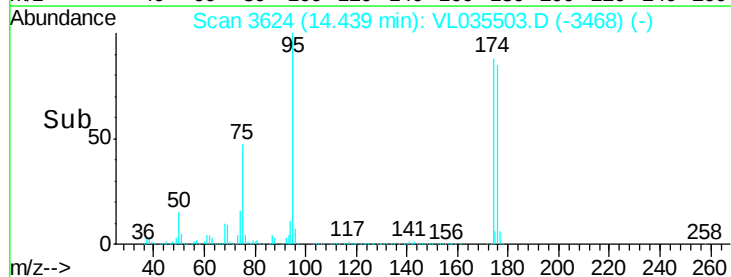
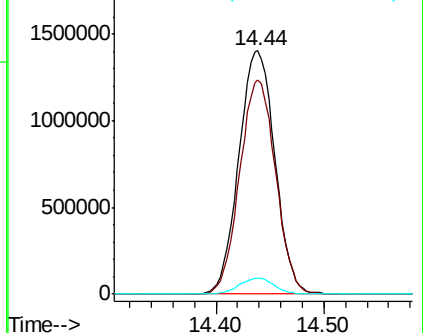
175 6.4 5.1 7.7

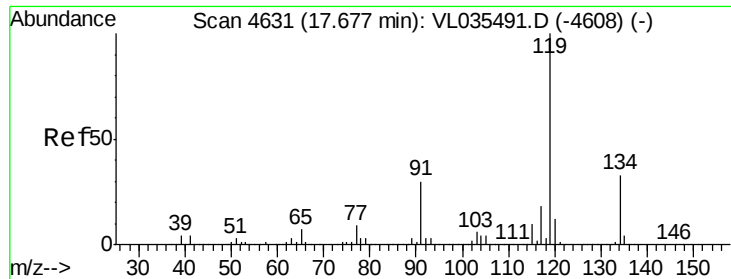


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

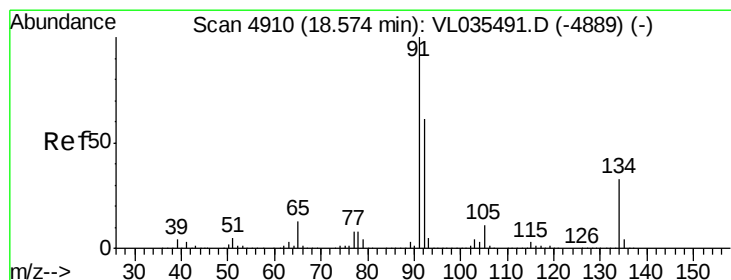
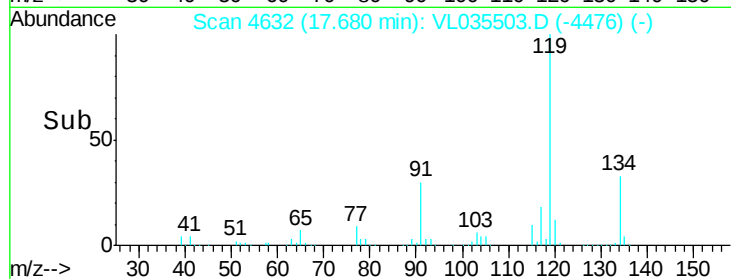
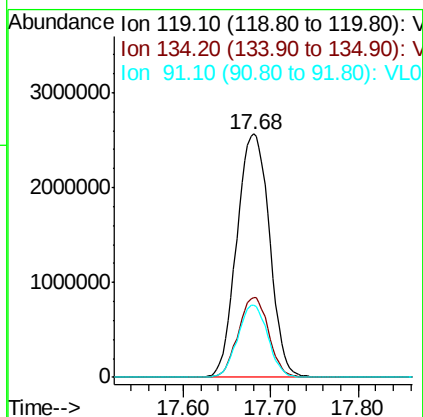
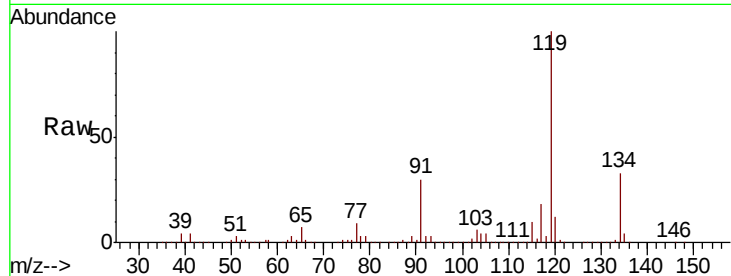




#69
 p-Isopropyltoluene
 Concen: 7.458 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

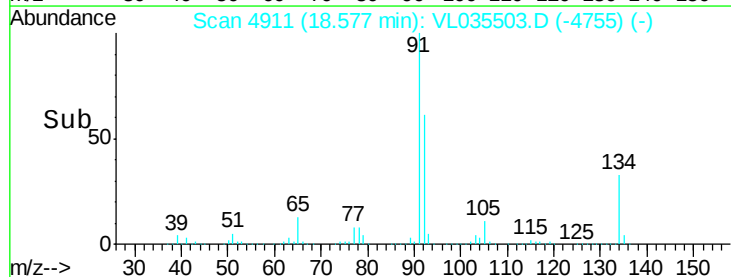
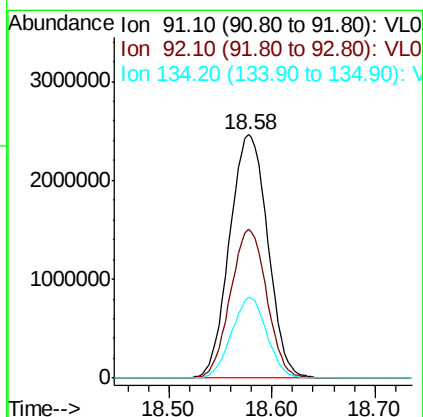
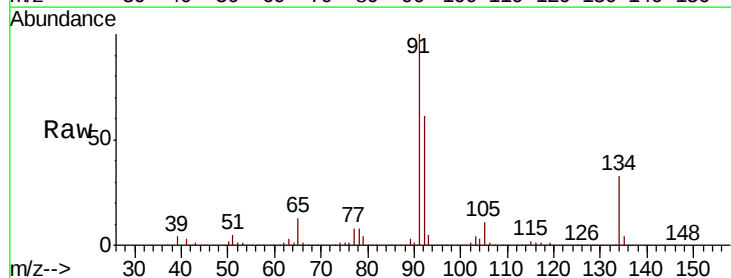
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

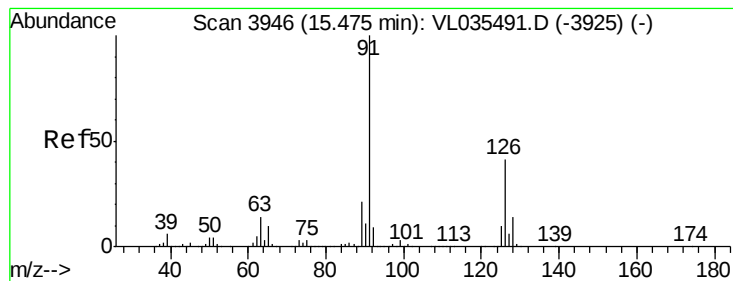
Tot Ion:119 Resp: 6654097
 Ion Ratio Lower Upper
 119 100
 134 30.7 24.9 37.3
 91 27.4 22.0 33.0



#70
 n-Butylbenzene
 Concen: 7.398 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

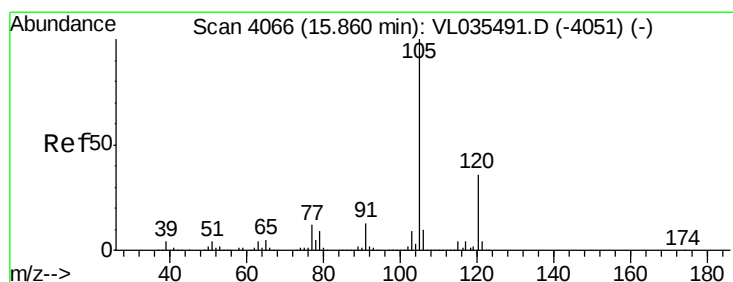
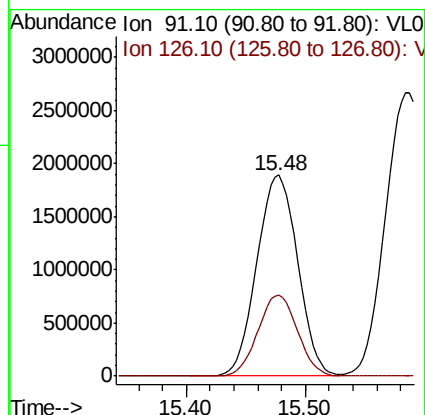
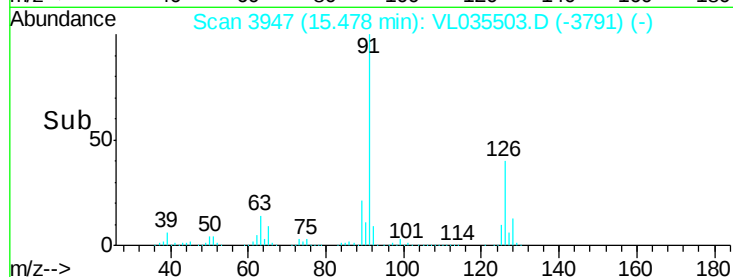
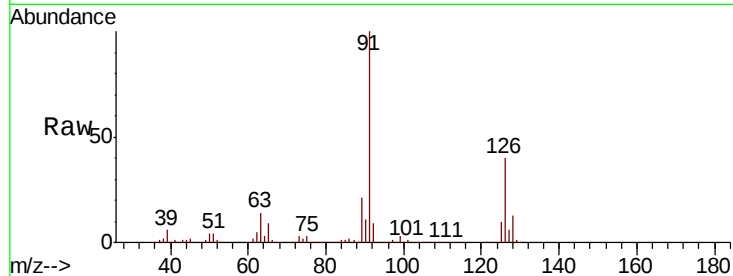




#71
 2-Chlorotoluene
 Concen: 7.683 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. 0.00 min
 Lab File: VL035503.D
 Acq: 23 Aug 2020 19:17

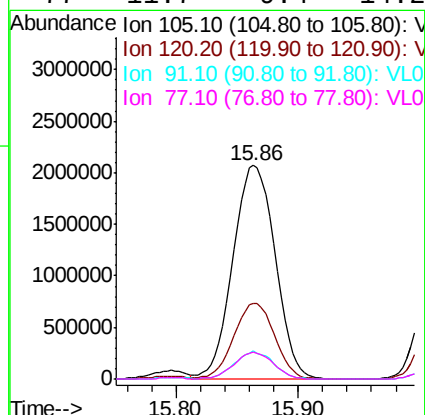
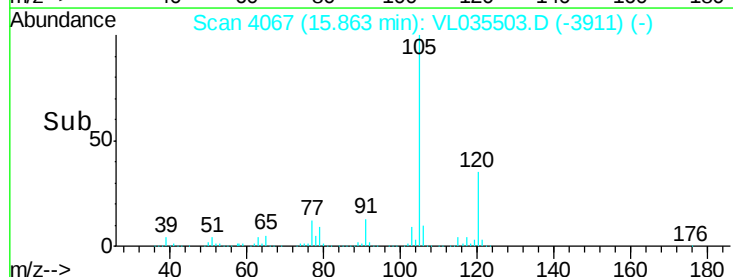
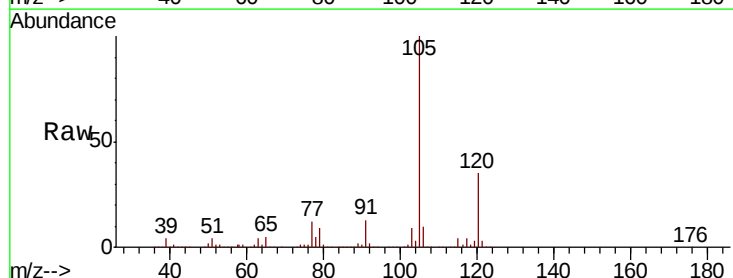
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

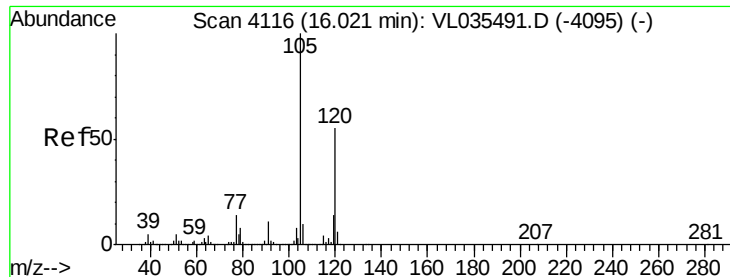
Tot Ion: 91 Resp: 4499448
 Ion Ratio Lower Upper
 91 100
 126 39.1 15.8 63.0



#72
 4-Ethyltoluene
 Concen: 7.767 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: 7.803 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 :

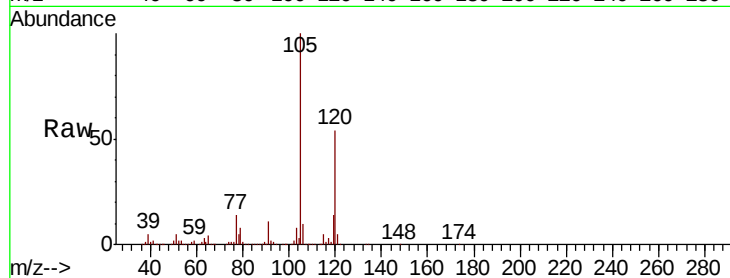
VSTDCCC010EC

Tot Ion:105 Resp: 4617337

Ion Ratio Lower Upper

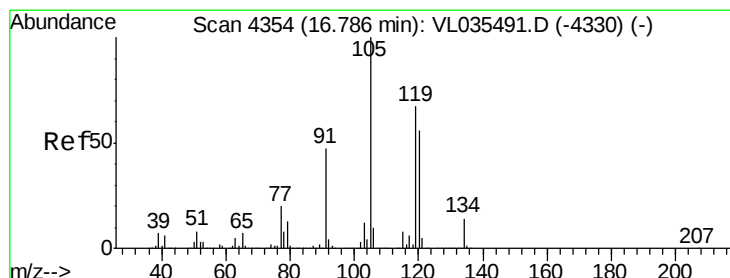
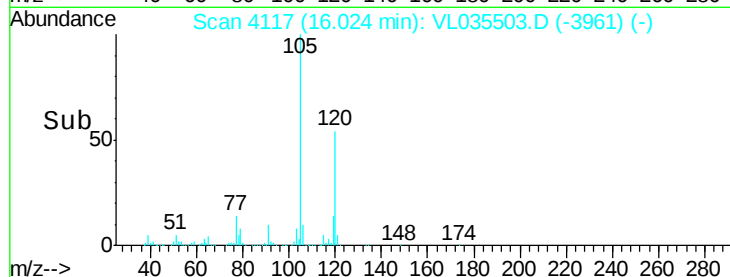
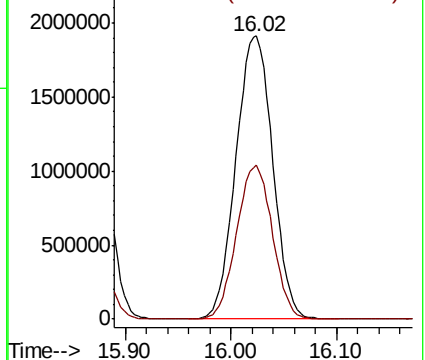
105 100

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: 7.427 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

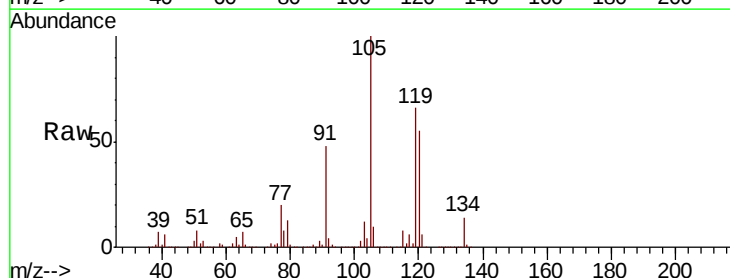
Ion Ratio Lower Upper

105 100

120 55.0 44.7 67.1

91 48.0 37.5 56.3

77 19.6 16.2 24.2

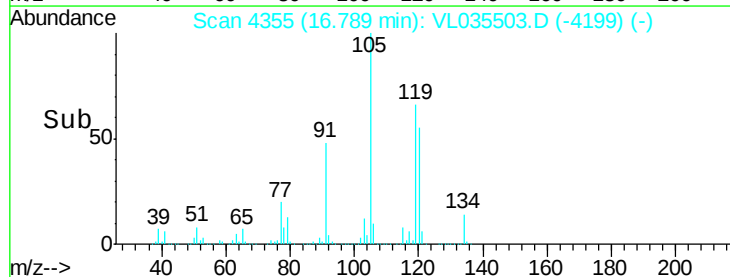
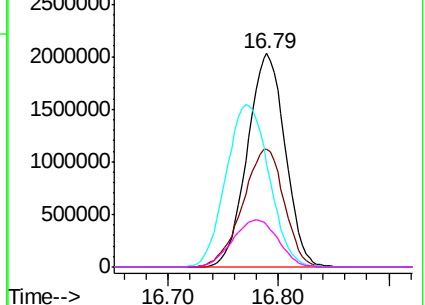


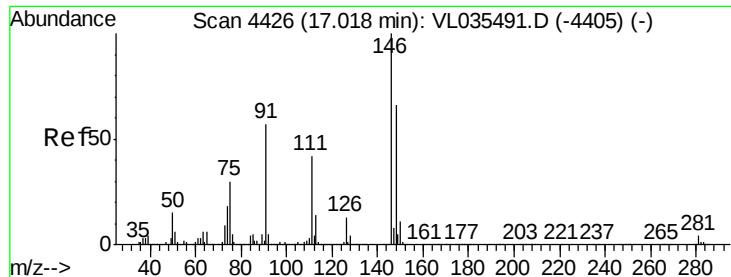
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.287 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

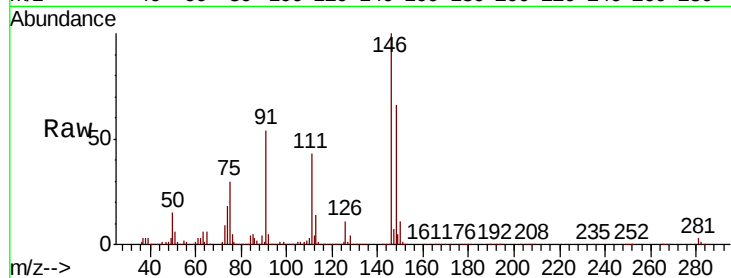
Tot Ion:146 Resp: 3541632

Ion Ratio Lower Upper

146 100

111 41.2 20.3 61.0

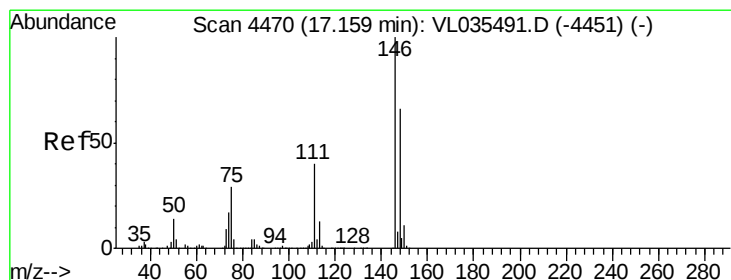
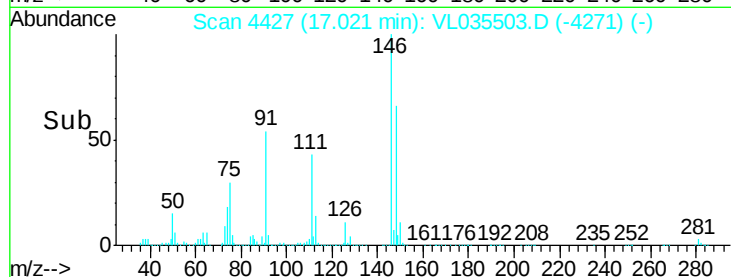
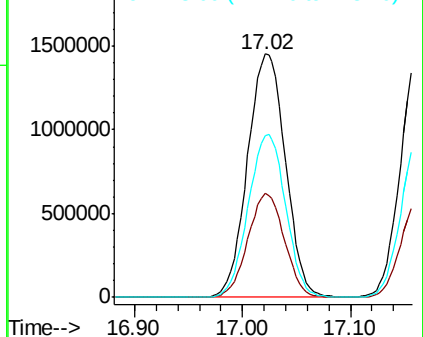
148 66.0 33.1 99.5



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: 7.366 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. 0.01 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

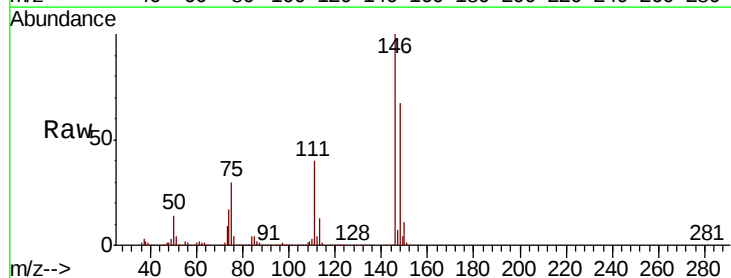
Tgt Ion:146 Resp: 3583753

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.8

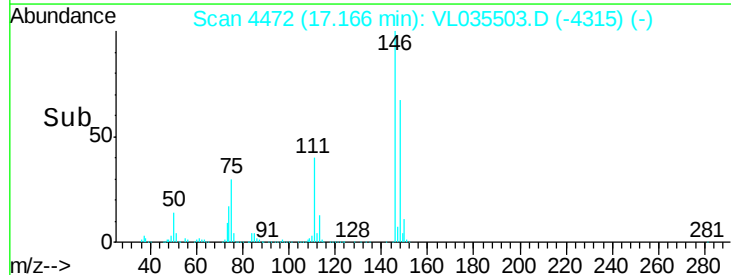
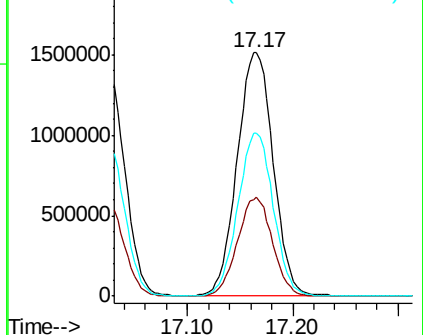
148 66.1 32.8 98.3

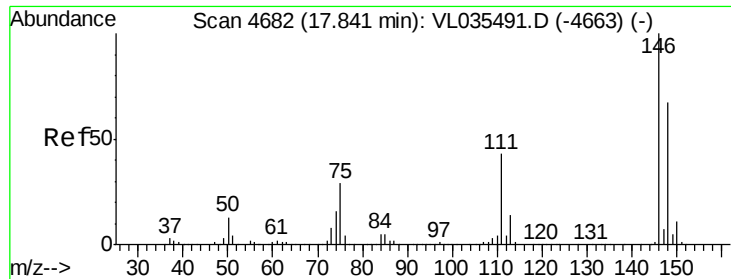


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.337 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

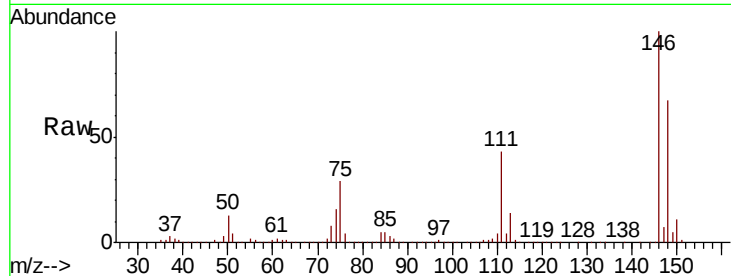
Tot Ion:146 Resp: 3517263

Ion Ratio Lower Upper

146 100

111 42.1 21.0 63.0

148 65.9 33.0 98.9

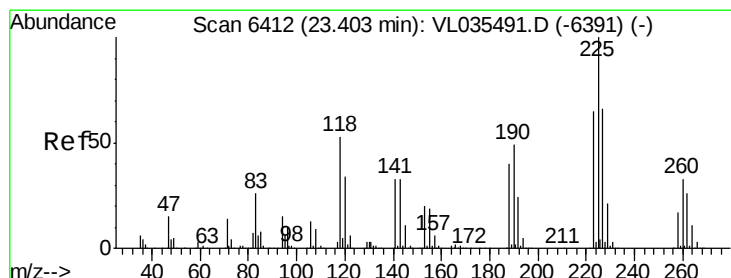
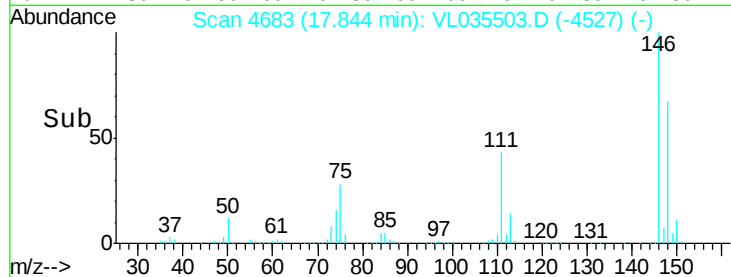
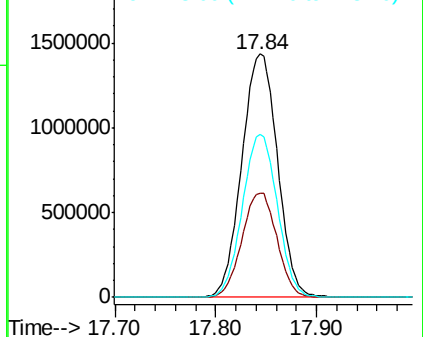


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.835 ppbv

RT: 23.41 min Scan# 6413

Delta R.T. 0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

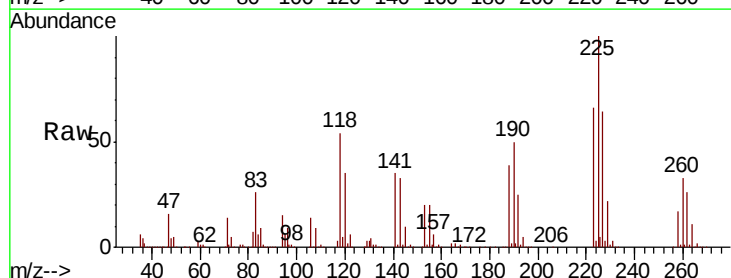
Tgt Ion:225 Resp: 2273887

Ion Ratio Lower Upper

225 100

223 64.2 51.4 77.2

227 64.2 51.7 77.5

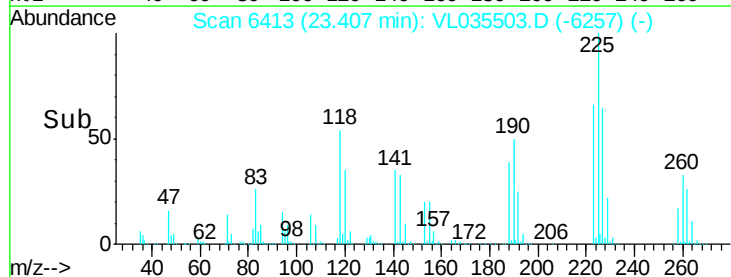
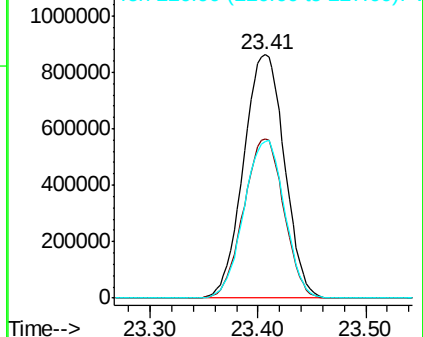


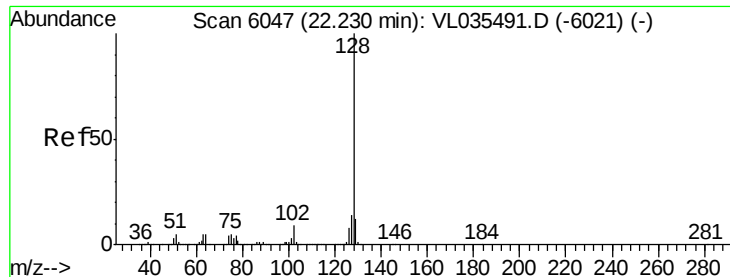
Abundance

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: 7.242 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

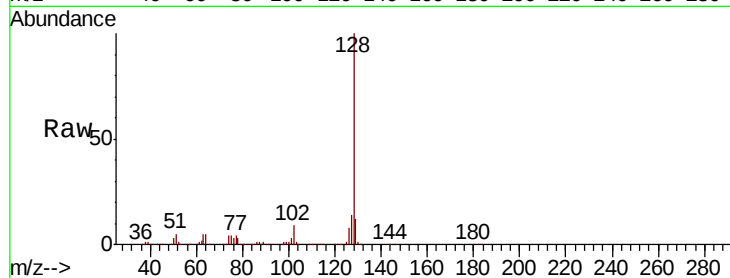
Tot Ion:128 Resp: 5904562

Ion Ratio Lower Upper

128 100

127 14.0 11.4 17.0

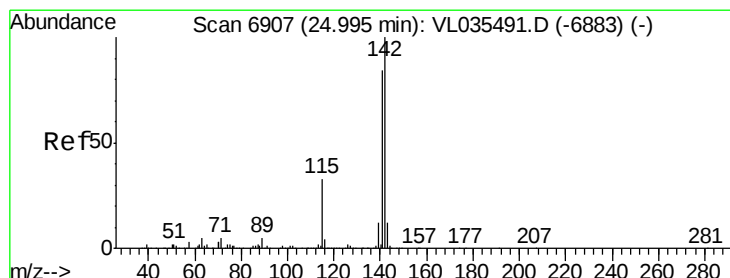
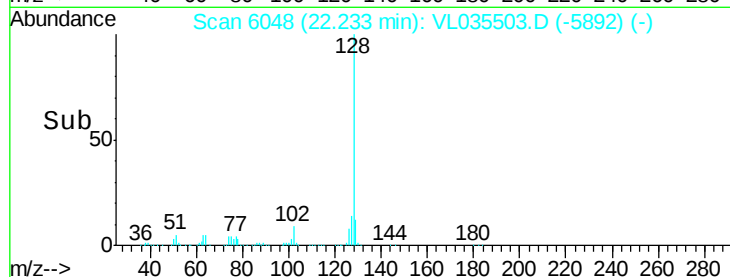
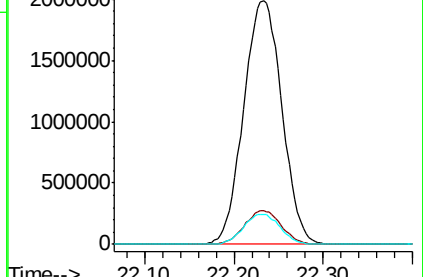
129 12.3 9.8 14.6



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: 7.103 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. -0.00 min

Lab File: VL035503.D

Acq: 23 Aug 2020 19:17

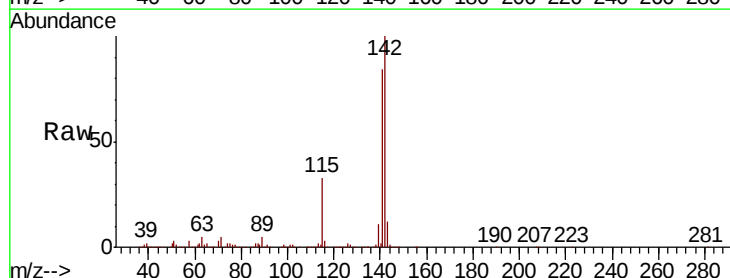
Tgt Ion:142 Resp: 2318578

Ion Ratio Lower Upper

142 100

141 83.8 67.1 100.7

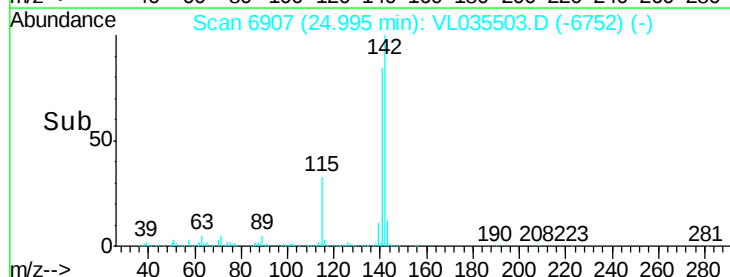
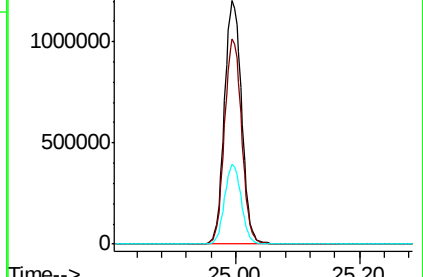
115 31.8 25.6 38.4

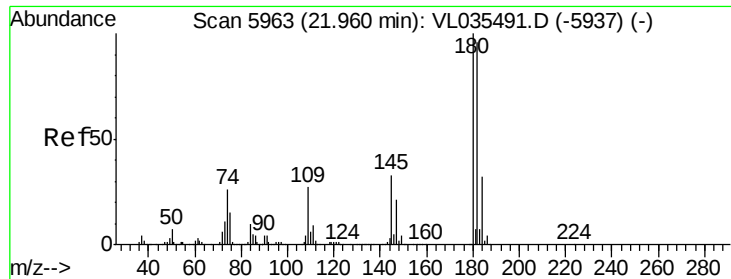


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.187 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

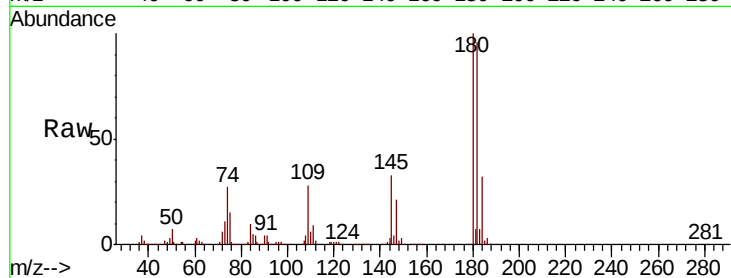
Tot Ion:180 Resp: 3445555

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

