

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035078.D
 Acq On : 22 May 2020 9:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 22 23:29:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1115603	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2585220	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2664106m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2135533	9.90	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1247316	7.878	ppbv 98
3) Chlorodifluoromethane	2.94	51	1253562	9.842	ppbv 98
4) Chloromethane	3.09	50	721783	9.888	ppbv 94
5) Vinyl Chloride	3.21	62	706567	9.922	ppbv 98
6) Bromomethane	3.43	94	428664	10.082	ppbv 88
7) Chloroethane	3.51	64	265132	10.367	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1628520	9.938	ppbv 99
9) Propene	2.96	41	522431	9.452	ppbv 97
10) Heptane	8.12	43	1481968	10.703	ppbv 100
11) Trichlorofluoromethane	3.91	101	1679840	10.289	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1168775	10.054	ppbv 99
13) Ethanol	3.56	45	157987	8.662	ppbv 96
14) Bromoethene	3.70	108	517488	10.772	ppbv 98
15) Acetone	3.81	43	1322464	8.967	ppbv 99
16) 1,3-Butadiene	3.28	39	642403	10.121	ppbv 99
17) tert-Butyl alcohol	4.25	59	1269167	9.672	ppbv 100
18) 1,1-Dichloroethene	4.25	96	542711	10.761	ppbv 97
19) Isopropyl Alcohol	3.93	45	952599	9.685	ppbv # 99
20) Methylene Chloride	4.31	84	480020	9.832	ppbv 93
21) Allyl Chloride	4.38	41	898831	10.789	ppbv 99
22) trans-1,2-Dichloroethene	4.85	96	534905	10.707	ppbv 98
23) Vinyl Acetate	5.04	43	1953156	10.444	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1437296	9.978	ppbv 99
25) Ethyl Acetate	5.65	43	2538438	10.246	ppbv 100
26) Hexane	5.66	57	1124470	10.470	ppbv 100
27) Carbon Disulfide	4.51	76	1400897	11.066	ppbv 98
28) Methyl tert-Butyl Ether	5.00	73	1626969	9.946	ppbv 99
29) Chloroform	5.73	83	1766528	10.052	ppbv 100
30) Cyclohexane	7.12	84	936840	11.303	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	1142004	10.898	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	1686109	10.624	ppbv 100
34) 2-Butanone	5.21	43	1631478	10.154	ppbv 99
35) Carbon Tetrachloride	7.01	117	1745786	10.699	ppbv 98
36) Benzene	6.88	78	2238578	10.503	ppbv 98
37) 1,2-Dichloroethane	6.29	62	1376120	10.467	ppbv 100
38) Trichloroethene	7.83	130	861767	10.437	ppbv 96
39) 1,2-Dichloropropane	7.61	63	867966	10.158	ppbv 96
40) 1,4-Dioxane	7.82	88	348501	10.035	ppbv 94
41) Tetrahydrofuran	6.02	42	906682	10.718	ppbv 98
42) Bromodichloromethane	7.78	83	1888827	10.652	ppbv 97
43) Methyl Methacrylate	8.01	69	1028045	11.423	ppbv 99

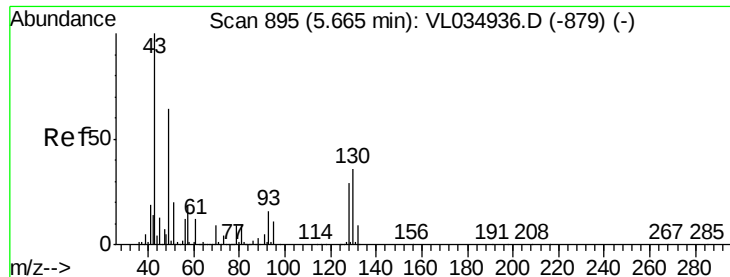
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035078.D
 Acq On : 22 May 2020 9:47
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3897906	10.286	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1136598	12.514	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1347632	12.085	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	943797	10.467	ppbv	95
48) Dibromochloromethane	10.31	129	1560824	11.257	ppbv	100
49) Bromoform	13.06	173	1347822	11.297	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2446303	10.677	ppbv	100
51) 2-Hexanone	10.13	43	2018973	11.266	ppbv	100
52) Tetrachloroethene	11.23	164	788371	10.402	ppbv	97
53) Toluene	9.81	91	2604031	11.525	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1419979	10.724	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1146811	9.545	ppbv	98
57) Chlorobenzene	12.16	112	1969929	9.334	ppbv	98
58) Ethyl Benzene	12.72	91	3482557	10.571	ppbv	98
59) m/p-Xylene	13.01	91	5791798m	19.982	ppbv	
60) o-Xylene	13.71	91	2879427	10.067	ppbv	100
61) Styrene	13.54	104	2049263	11.322	ppbv	99
62) Isopropylbenzene	14.69	105	4225990	9.896	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2008784	8.922	ppbv	99
64) n-propylbenzene	15.58	120	1109332	10.128	ppbv	100
65) tert-Butylbenzene	16.77	119	3638650	9.824	ppbv	99
66) Benzyl Chloride	17.01	91	1377642	10.957	ppbv	99
67) sec-Butylbenzene	17.32	105	5187900	9.813	ppbv	99
69) p-Isopropyltoluene	17.67	119	4217902	9.861	ppbv	99
70) n-Butylbenzene	18.58	91	4493879	9.871	ppbv	99
71) 2-Chlorotoluene	15.47	91	3258782	10.110	ppbv	100
72) 4-Ethyltoluene	15.86	105	3338989	10.464	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3112022	10.021	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3203263	9.450	ppbv #	88
75) 1,3-Dichlorobenzene	17.02	146	1840505	9.247	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	1827425	9.663	ppbv	100
77) 1,2-Dichlorobenzene	17.84	146	1762318	9.397	ppbv	99
78) Hexachloro-1,3-Butadiene	23.41	225	1497568	9.368	ppbv	98
79) Naphthalene	22.24	128	3182559	12.057	ppbv	100
80) Naphthalene, 2-methyl-	25.00	142	1464584	22.572	ppbv	97
81) 1,2,4-Trichlorobenzene	21.97	180	1677152m	10.478	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

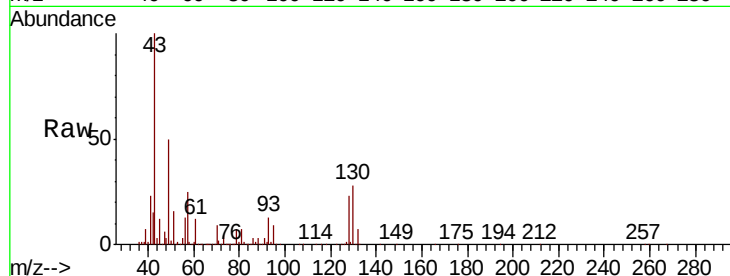
Tot Ion: 49 Resp: 1115603

Ion Ratio Lower Upper

49 100

128 45.0 22.1 66.5

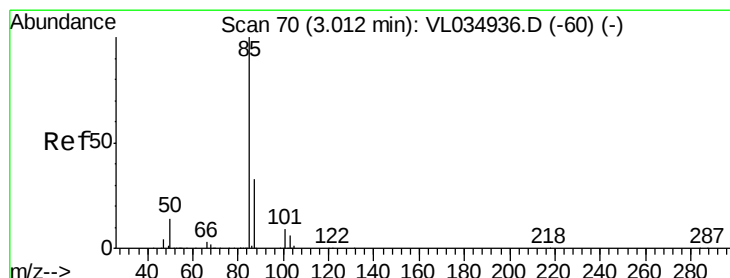
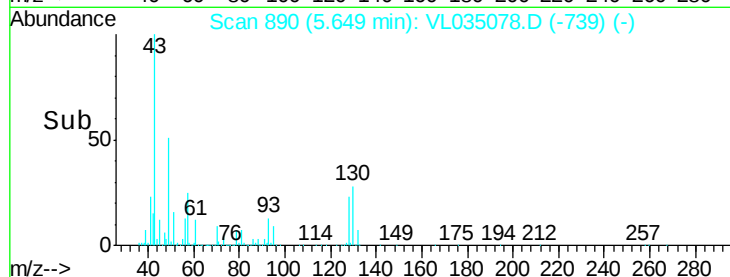
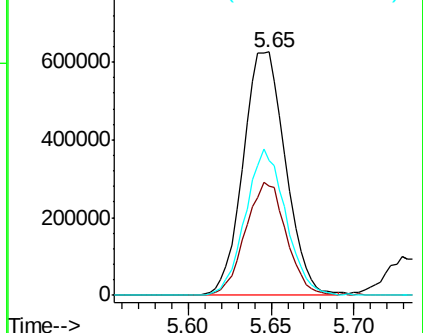
130 57.2 29.1 87.3



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: 7.878 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035078.D

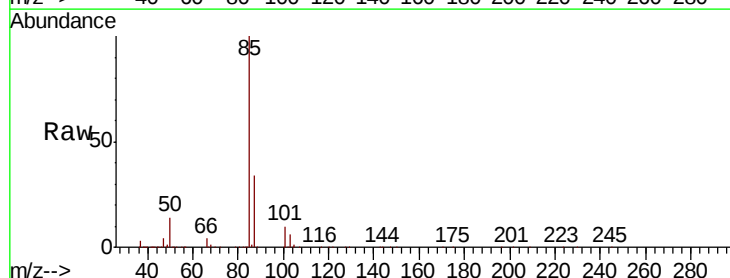
Acq: 22 May 2020 9:47

Tgt Ion: 85 Resp: 1247316

Ion Ratio Lower Upper

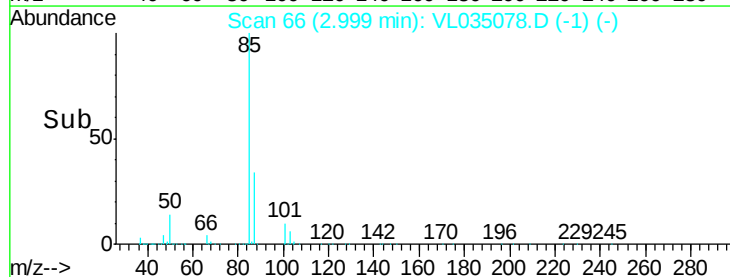
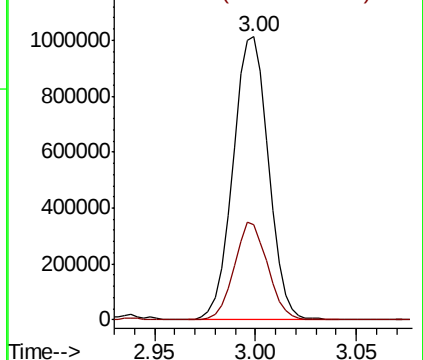
85 100

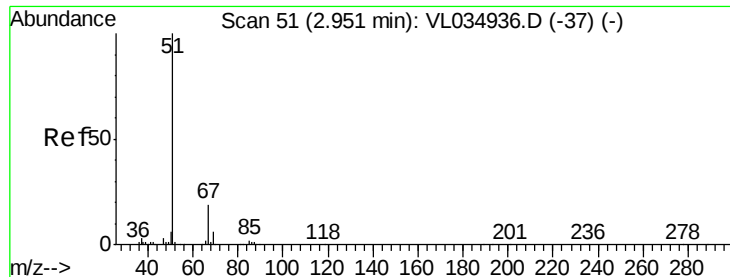
87 33.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.842 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.01 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

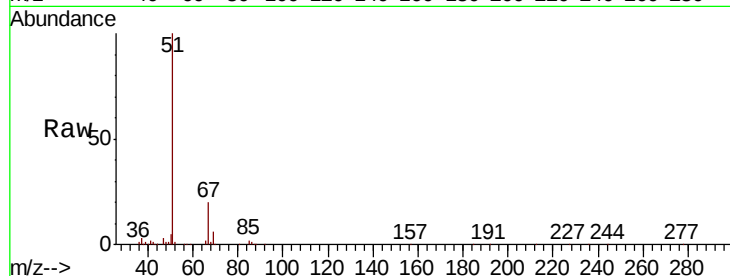
VSTDCCC010

Tot Ion: 51 Resp: 1253562

Ion Ratio Lower Upper

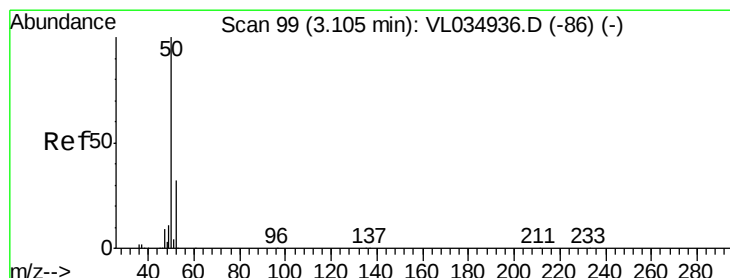
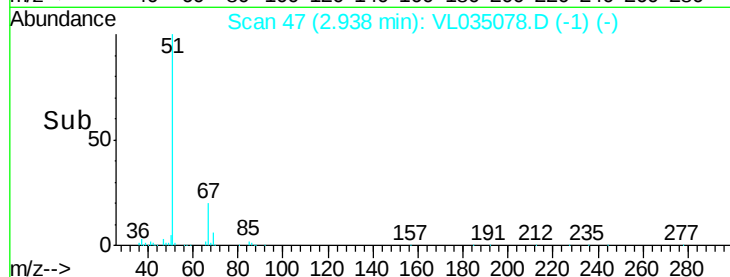
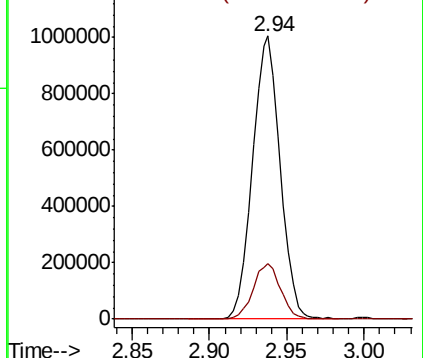
51 100

67 19.6 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.888 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.02 min

Lab File: VL035078.D

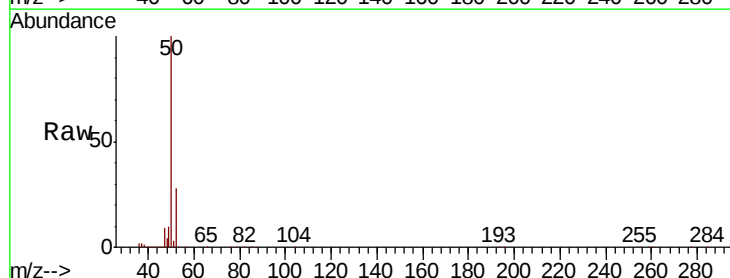
Acq: 22 May 2020 9:47

Tgt Ion: 50 Resp: 721783

Ion Ratio Lower Upper

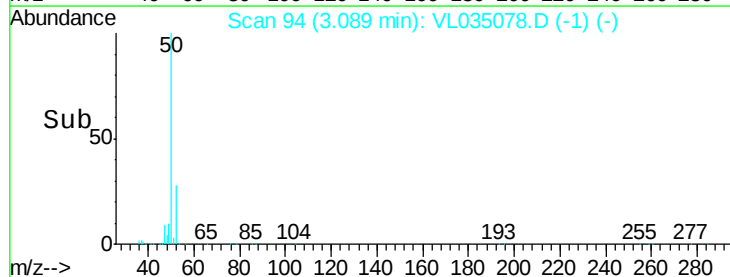
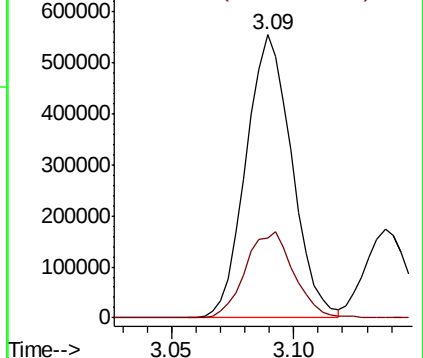
50 100

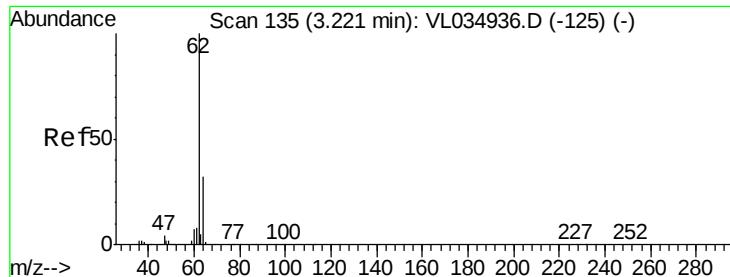
52 28.3 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.922 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

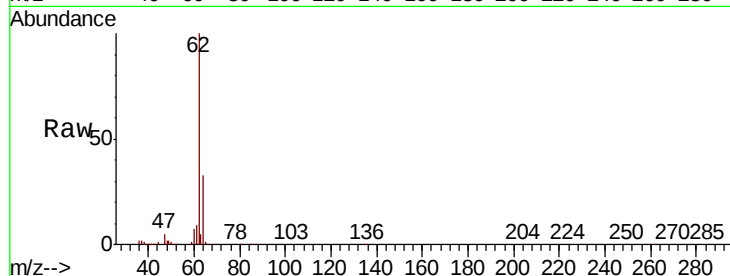
VSTDCCC010

Tot Ion: 62 Resp: 706567

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

600000

500000

400000

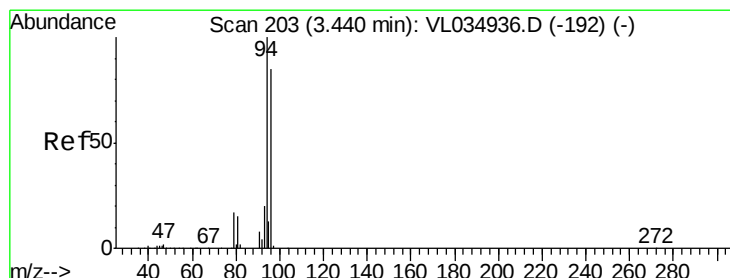
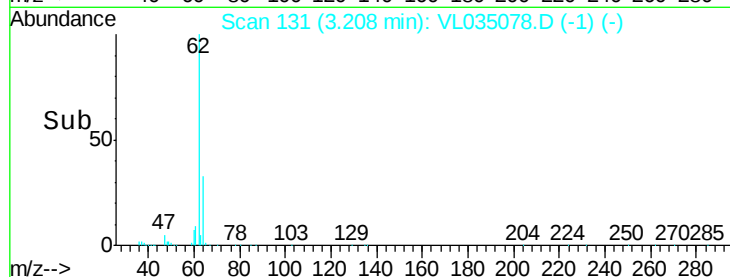
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.082 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035078.D

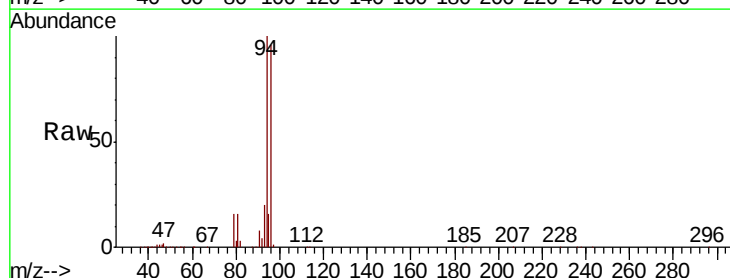
Acq: 22 May 2020 9:47

Tgt Ion: 94 Resp: 428664

Ion Ratio Lower Upper

94 100

96 95.7 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

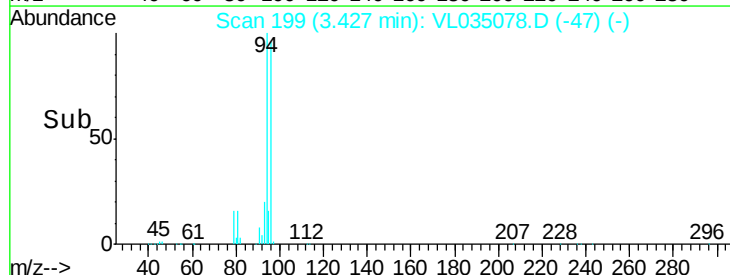
300000

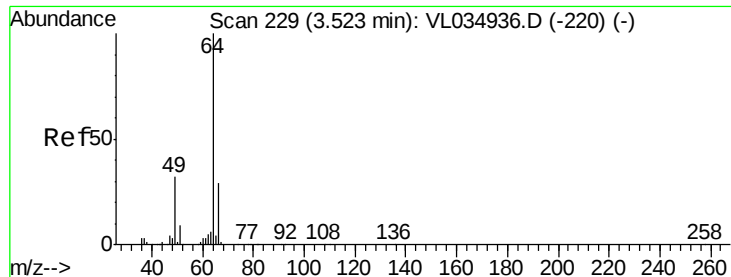
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.367 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

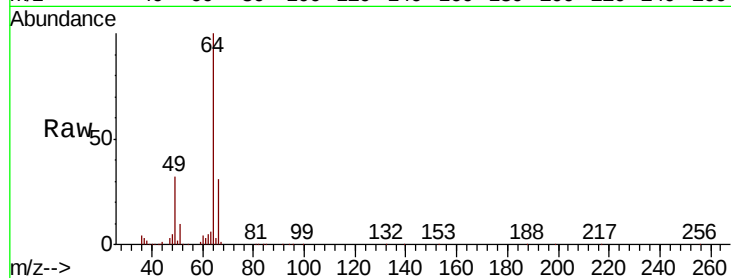
VSTDCCC010

Tot Ion: 64 Resp: 265132

Ion Ratio Lower Upper

64 100

66 30.7 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.51

200000

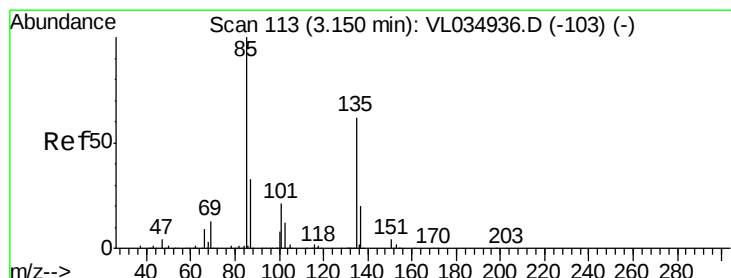
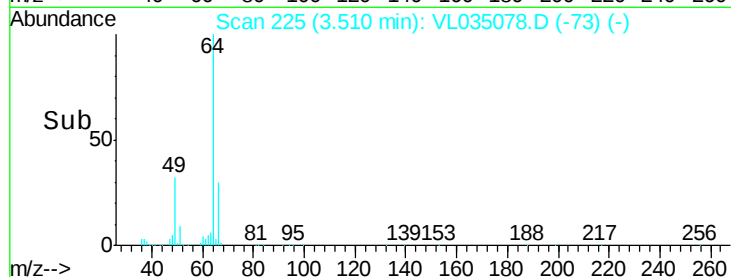
150000

100000

50000

0

Time--> 3.45 3.50 3.55



#8

Dichlorotetrafluoroethane

Concen: 9.938 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL035078.D

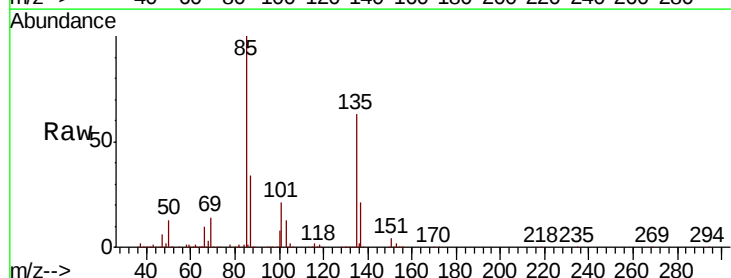
Acq: 22 May 2020 9:47

Tgt Ion: 85 Resp: 1628520

Ion Ratio Lower Upper

85 100

135 62.9 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

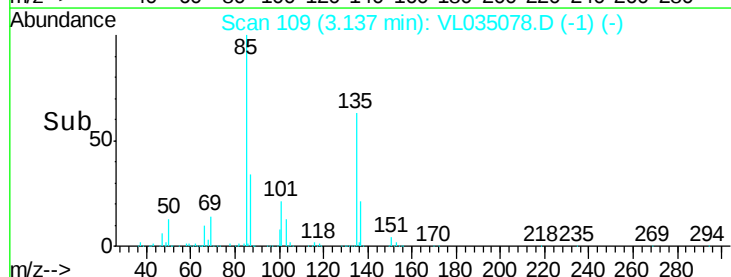
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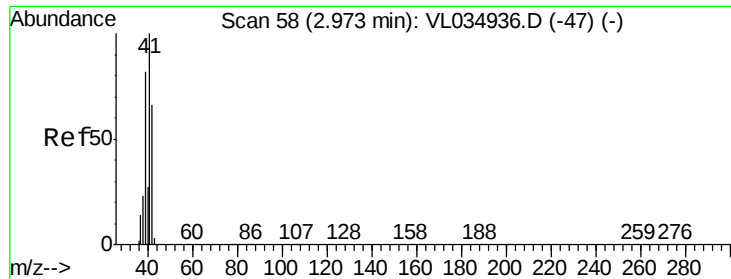
1000000

500000

0

Time--> 3.10 3.15 3.20





#9

Propene

Concen: 9.452 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

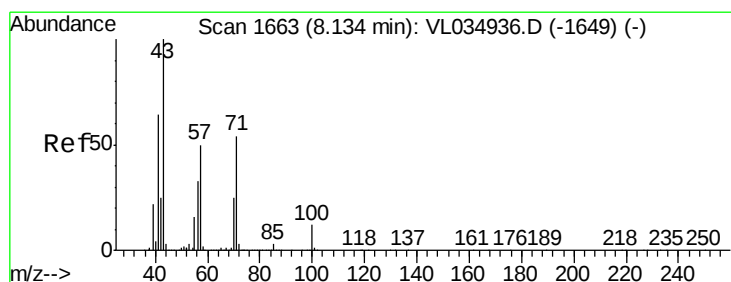
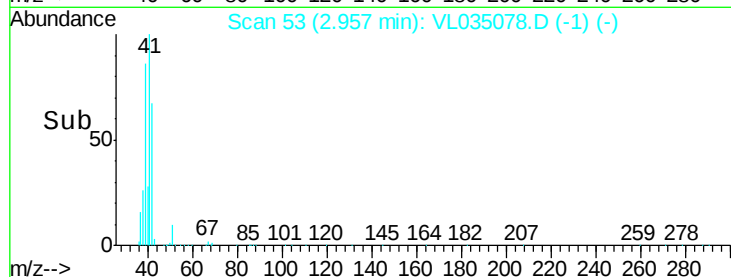
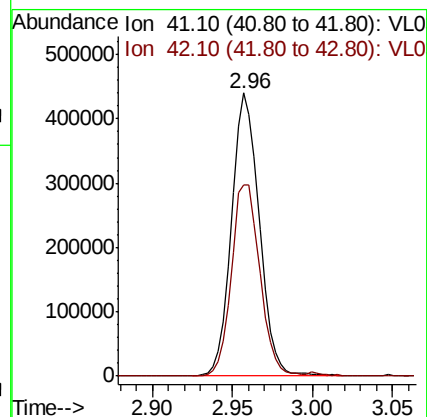
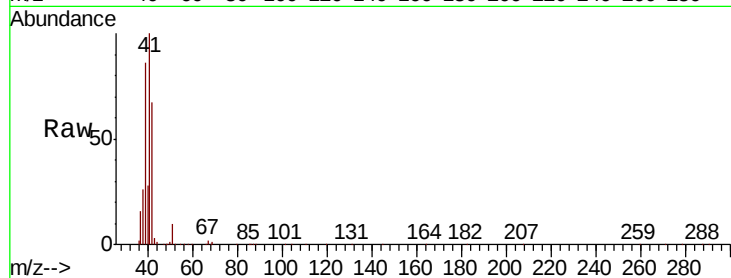
VSTDCCC010

Tot Ion: 41 Resp: 522431

Ion Ratio Lower Upper

41 100

42 70.3 54.5 81.7



#10

Heptane

Concen: 10.703 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL035078.D

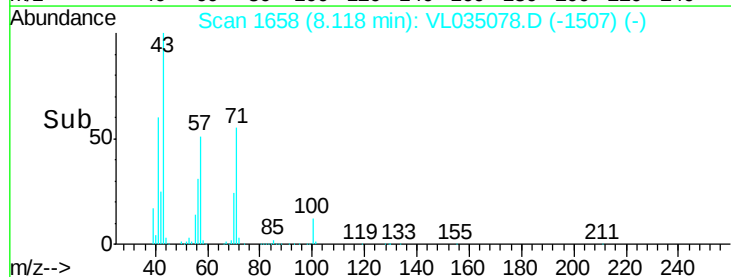
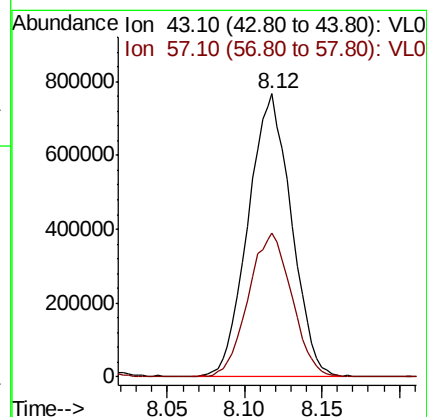
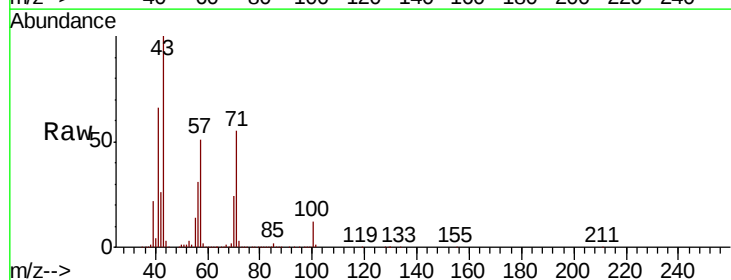
Acq: 22 May 2020 9:47

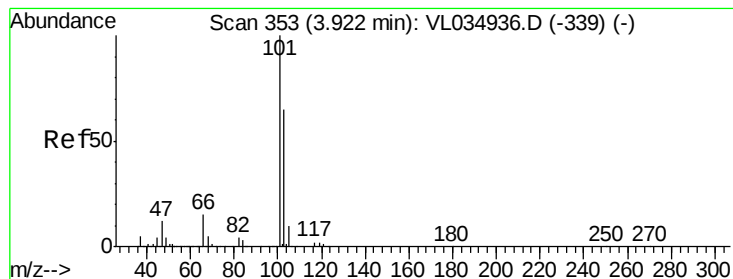
Tgt Ion: 43 Resp: 1481968

Ion Ratio Lower Upper

43 100

57 51.5 41.1 61.7





#11

Trichlorofluoromethane

Concen: 10.289 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

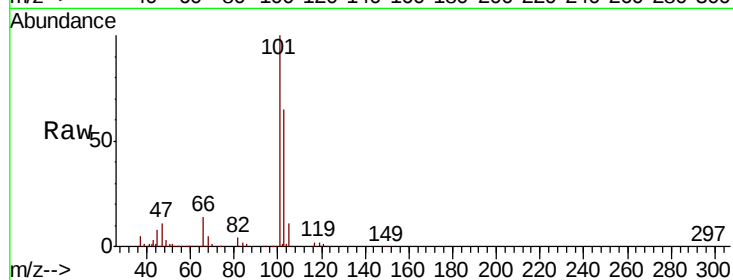
VSTDCCC010

Tot Ion:101 Resp: 1679840

Ion Ratio Lower Upper

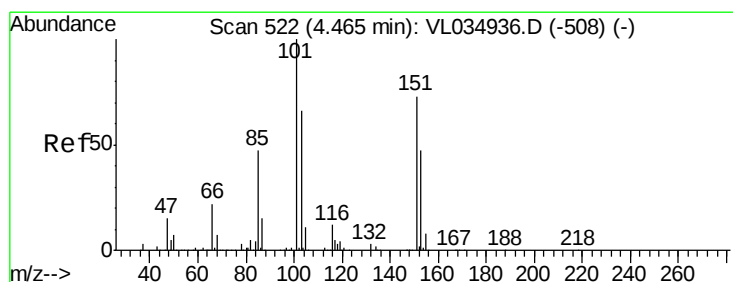
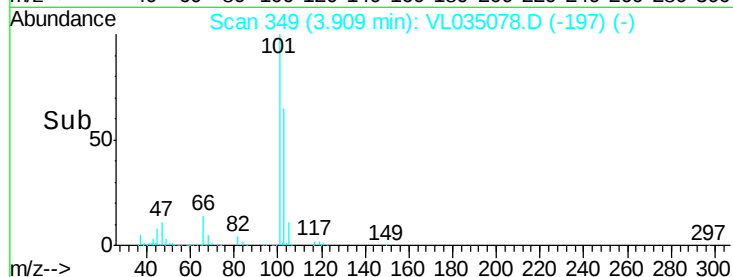
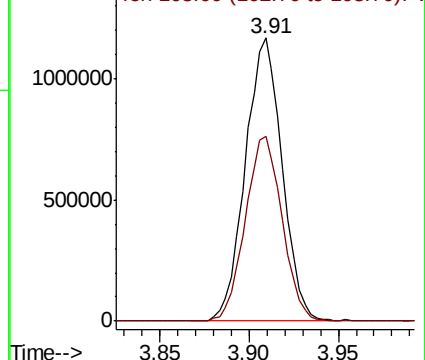
101 100

103 65.2 51.9 77.9



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: 10.054 ppbv

RT: 4.45 min Scan# 516

Delta R.T. -0.02 min

Lab File: VL035078.D

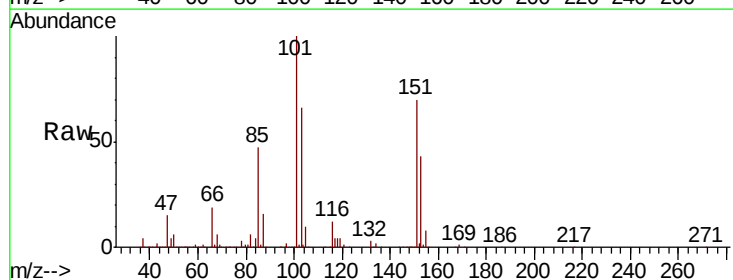
Acq: 22 May 2020 9:47

Tgt Ion:101 Resp: 1168775

Ion Ratio Lower Upper

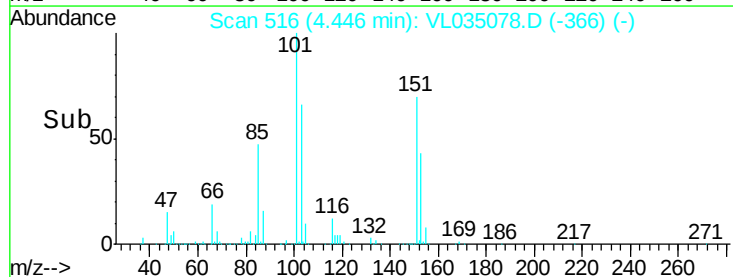
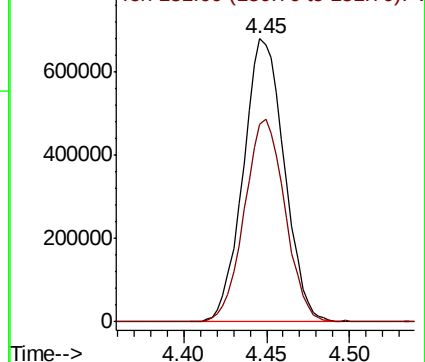
101 100

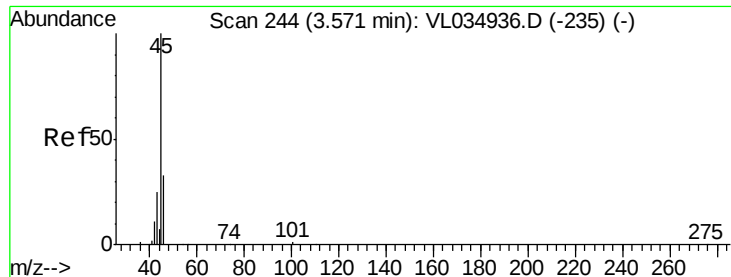
151 70.9 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.662 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

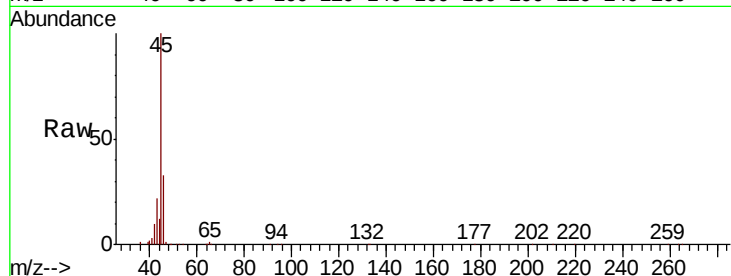
VSTDCCC010

Tot Ion: 45 Resp: 157987

Ion Ratio Lower Upper

45 100

46 38.1 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.56

100000

80000

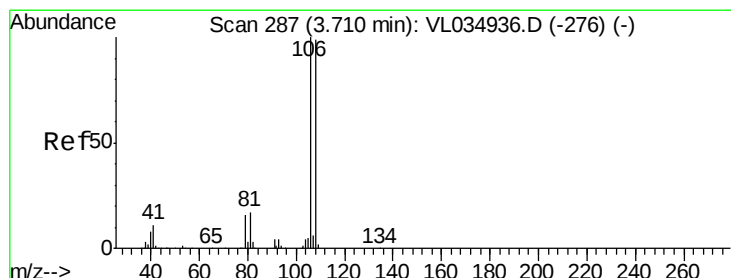
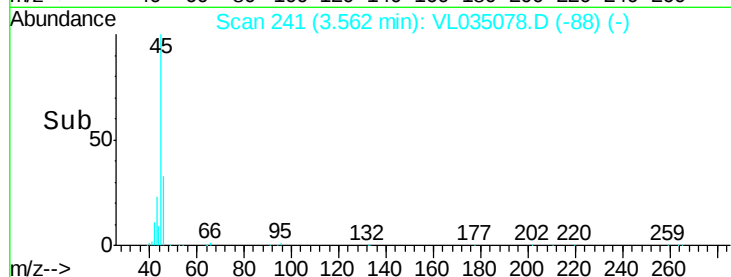
60000

40000

20000

0

Time-->



#14

Bromoethene

Concen: 10.772 ppbv

RT: 3.70 min Scan# 283

Delta R.T. -0.01 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

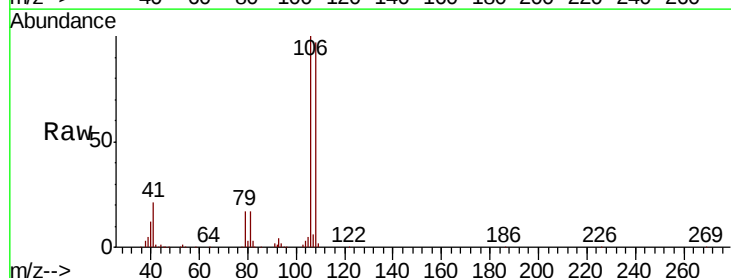
Tgt Ion: 108 Resp: 517488

Ion Ratio Lower Upper

108 100

106 107.6 84.9 127.3

79 18.3 14.1 21.1



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

500000

400000

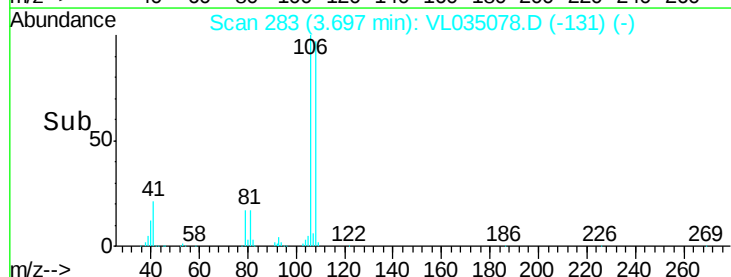
300000

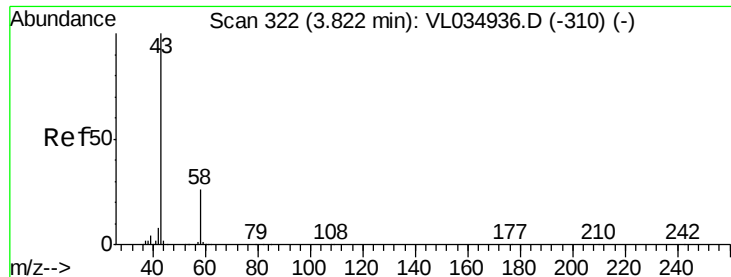
200000

100000

0

Time-->





#15

Acetone

Concen: 8.967 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

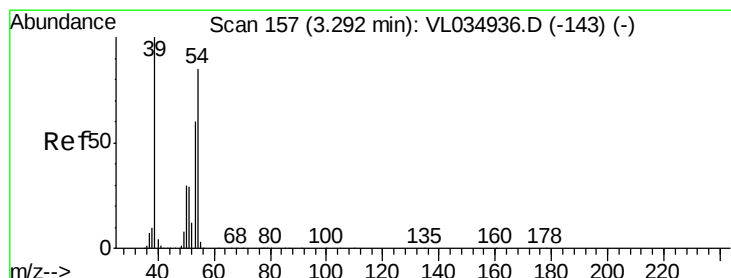
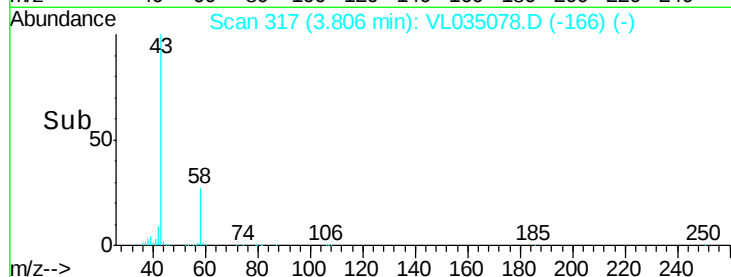
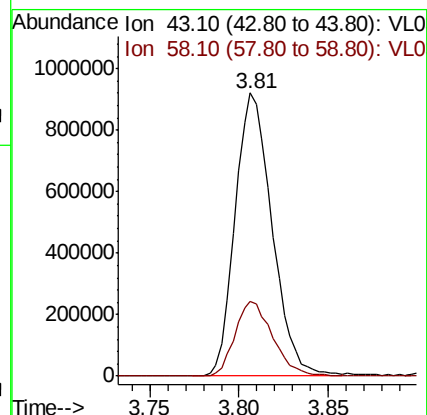
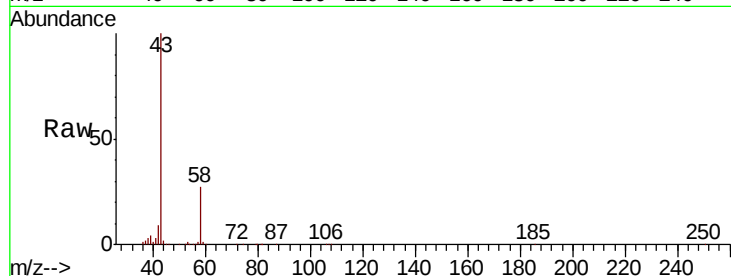
VSTDCCC010

Tot Ion: 43 Resp: 1322464

Ion Ratio Lower Upper

43 100

58 26.8 21.7 32.5



#16

1,3-Butadiene

Concen: 10.121 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035078.D

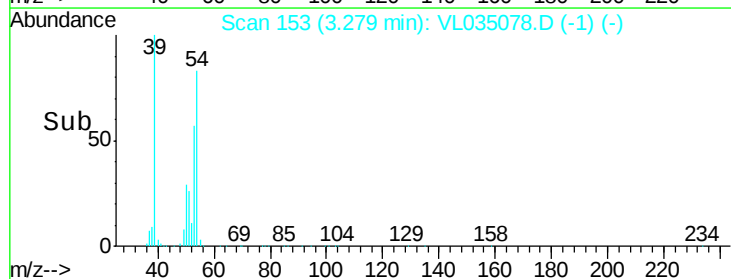
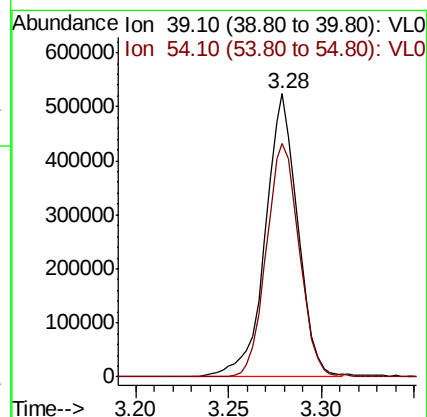
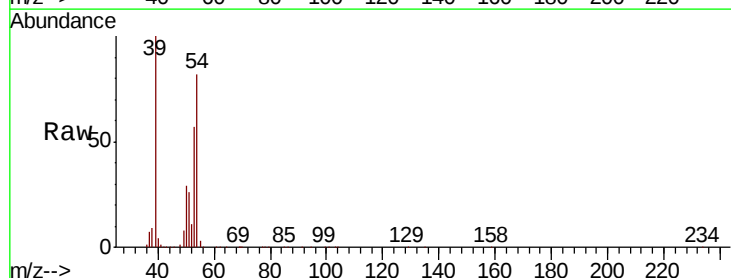
Acq: 22 May 2020 9:47

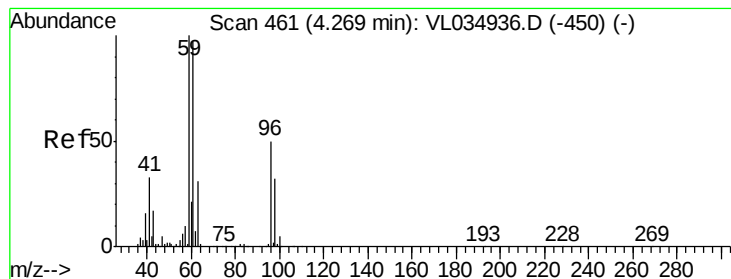
Tgt Ion: 39 Resp: 642403

Ion Ratio Lower Upper

39 100

54 84.0 66.6 100.0





#17

tert-Butyl alcohol

Concen: 9.672 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

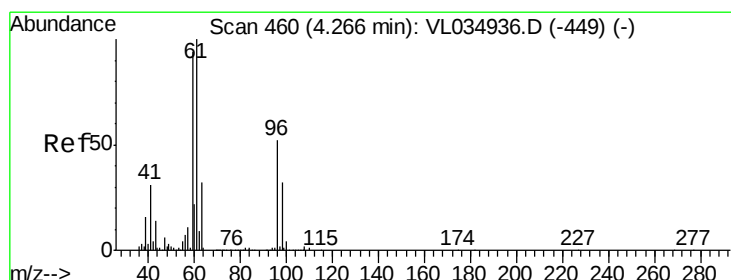
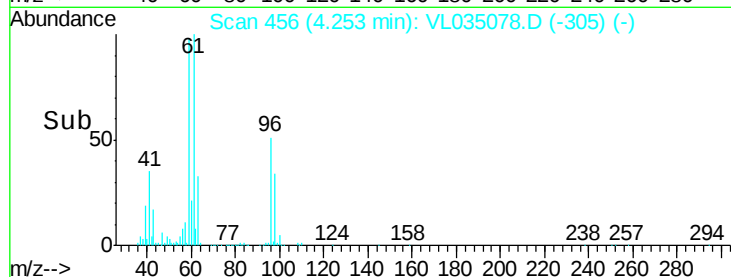
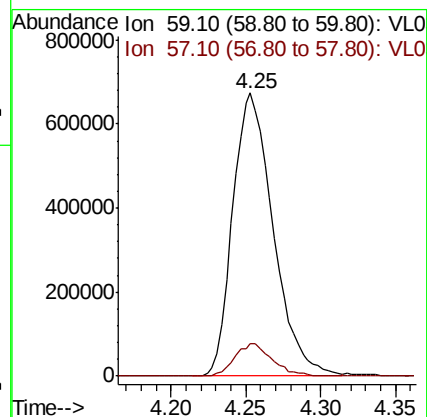
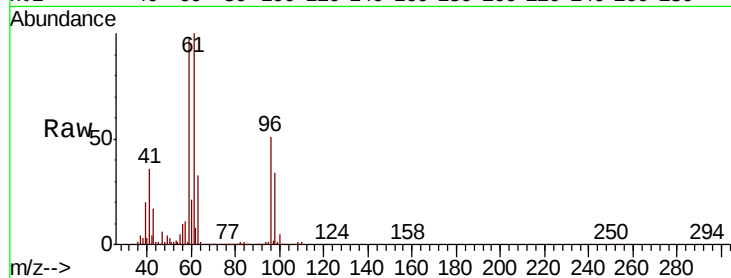
VSTDCCC010

Tot Ion: 59 Resp: 1269167

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 10.761 ppbv

RT: 4.25 min Scan# 455

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

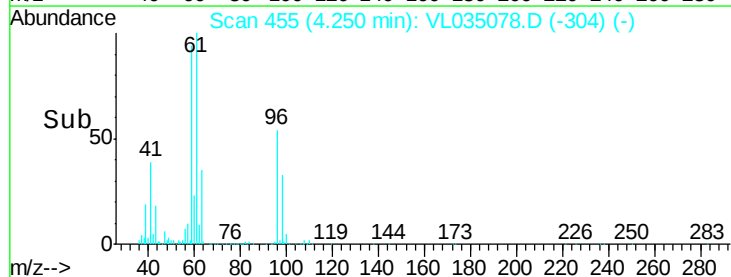
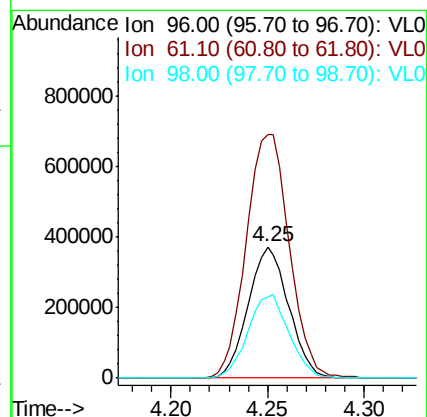
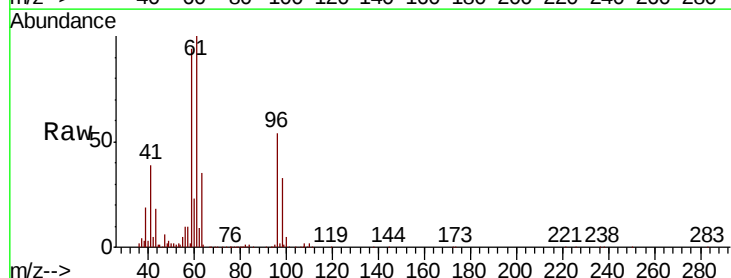
Tgt Ion: 96 Resp: 542711

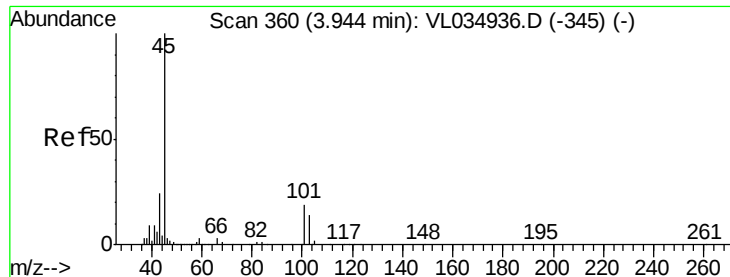
Ion Ratio Lower Upper

96 100

61 185.1 152.4 228.6

98 61.7 48.8 73.2





#19

Isopropyl Alcohol

Concen: 9.685 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

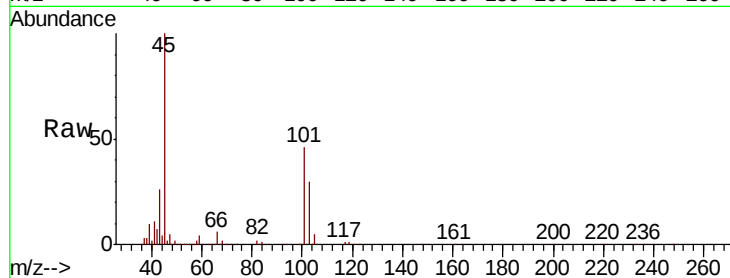
VSTDCCC010

Tot Ion: 45 Resp: 952599

Ion Ratio Lower Upper

45 100

58 2.6 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

600000

500000

400000

300000

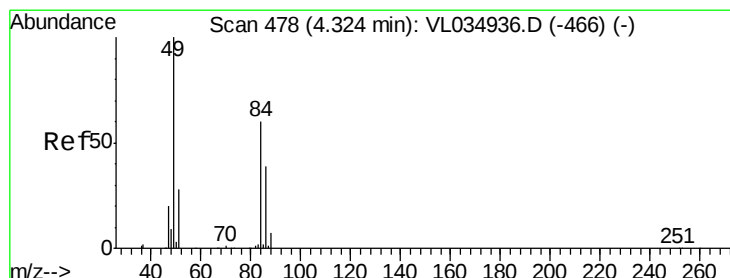
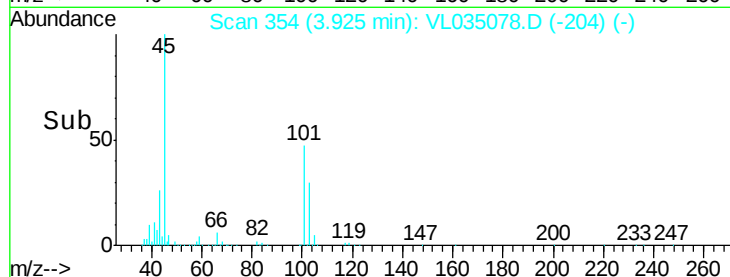
200000

100000

0

Time-->

3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 9.832 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion: 84 Resp: 480020

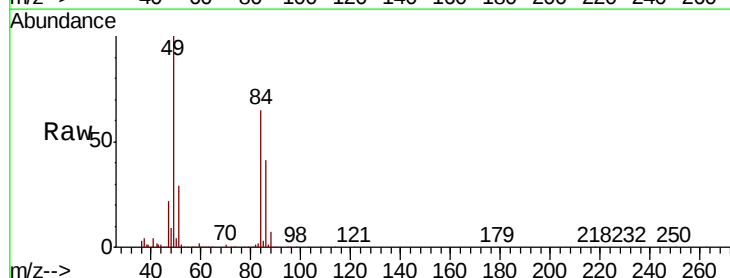
Ion Ratio Lower Upper

84 100

49 151.7 132.5 198.7

51 44.0 38.4 57.6

86 63.3 51.2 76.8



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

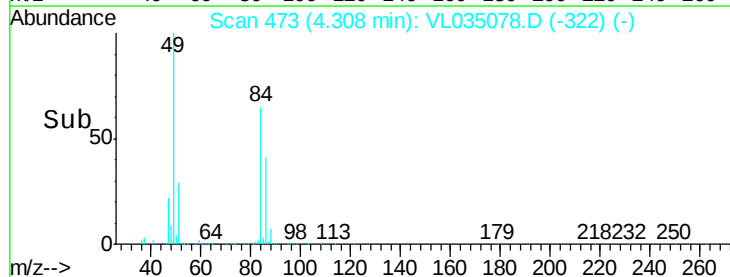
400000

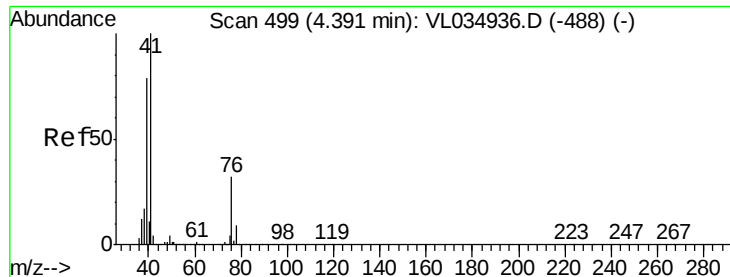
200000

0

Time-->

4.25 4.30 4.35

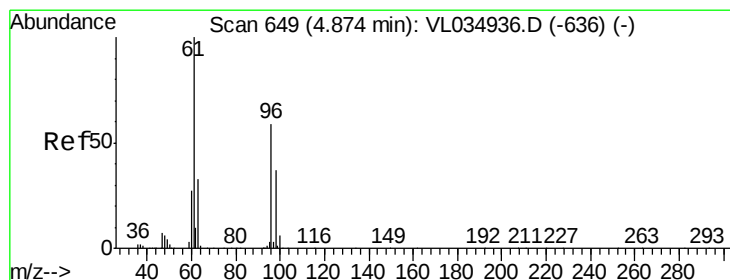
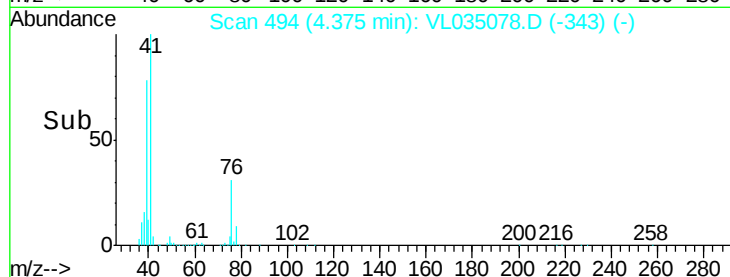
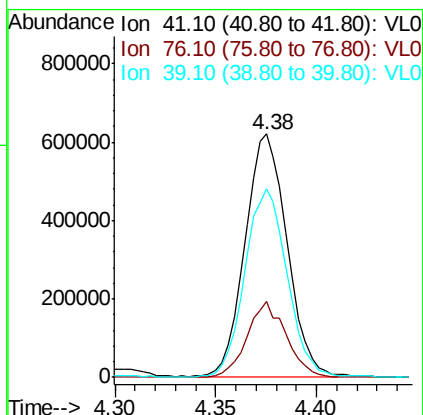
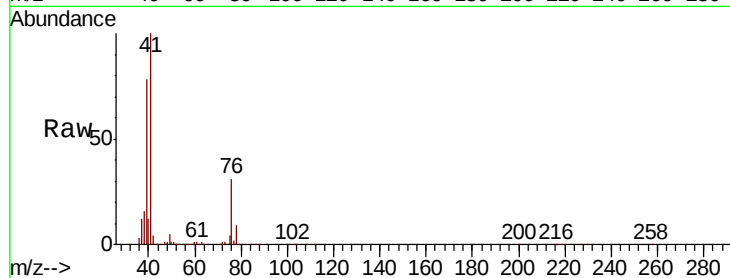




#21
 Allvl Chloride
 Concen: 10.789 ppbv
 RT: 4.38 min Scan# 494
 Delta R.T. -0.02 min
 Lab File: VL035078.D
 Acq: 22 May 2020 9:47

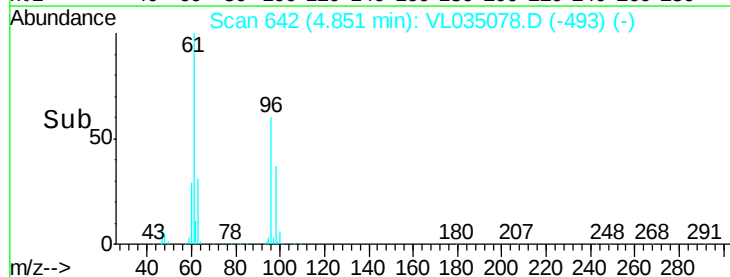
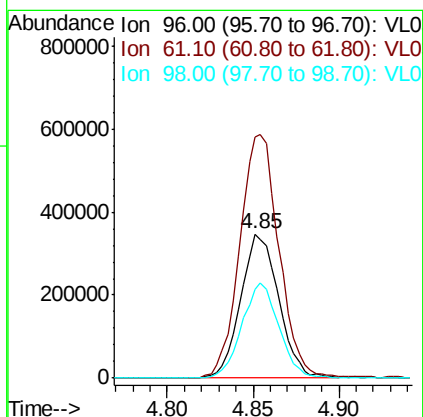
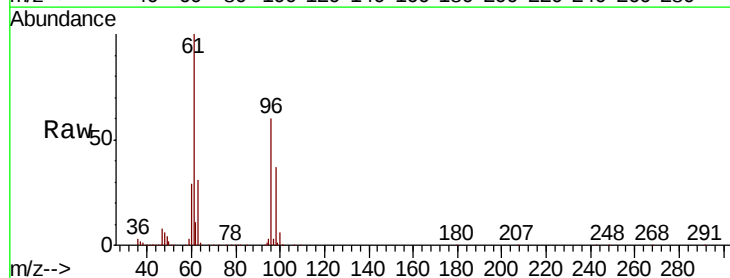
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

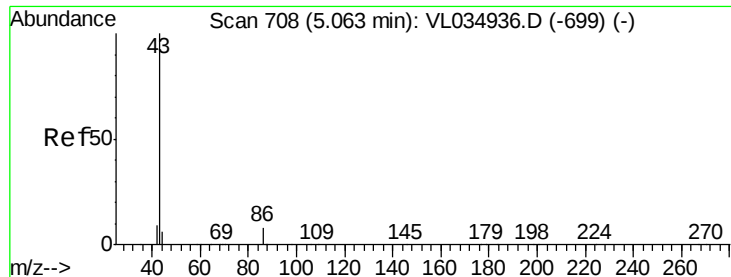
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.4	23.6	35.4
39	78.6	61.9	92.9



#22
 trans-1,2-Dichloroethene
 Concen: 10.707 ppbv
 RT: 4.85 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: VL035078.D
 Acq: 22 May 2020 9:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	135.3	202.9
98	61.1	50.4	75.6





#23

Vinyl Acetate

Concen: 10.444 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

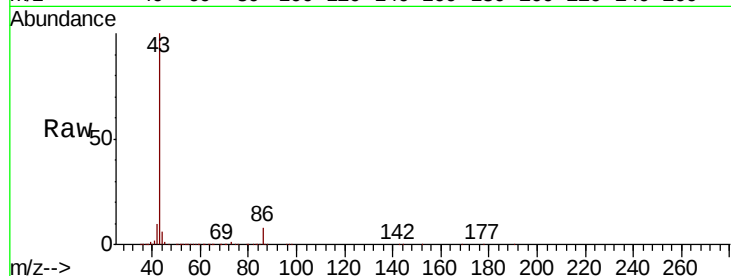
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1953156

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	9.9	8.0	12.0
44	5.7	4.5	6.7

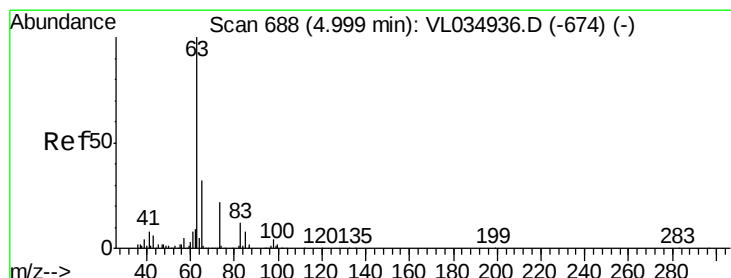
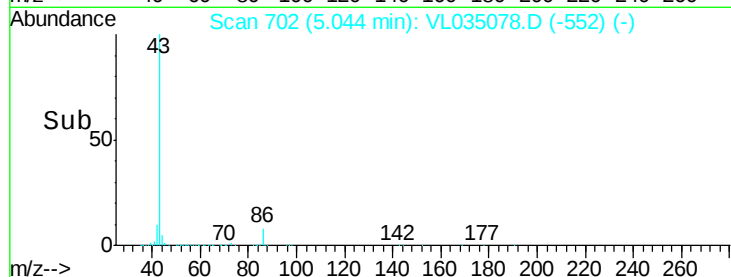


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.978 ppbv

RT: 4.98 min Scan# 682

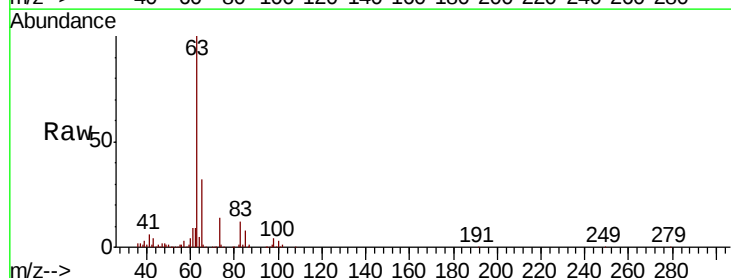
Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion: 63 Resp: 1437296

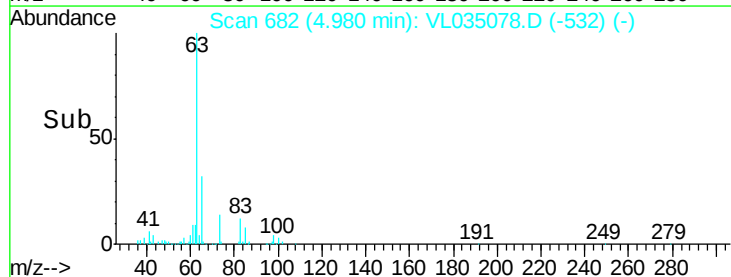
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	6.0
100	3.3	1.1	3.5

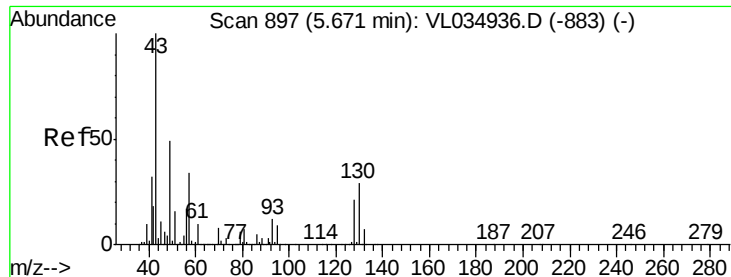


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

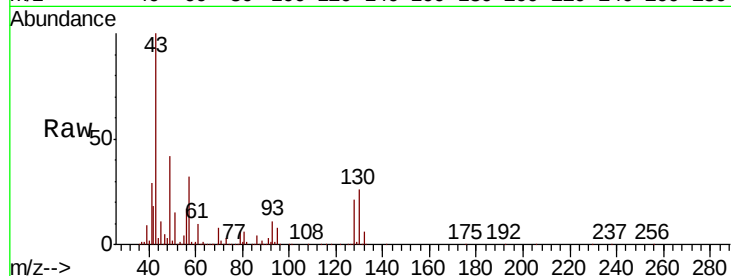




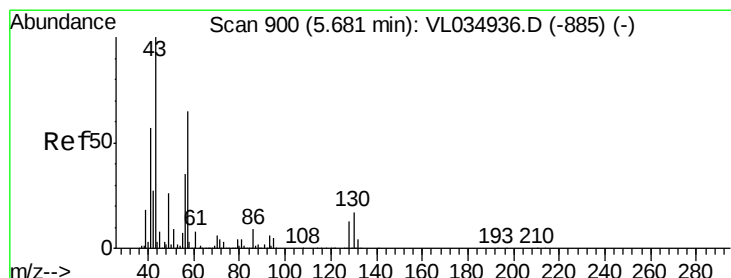
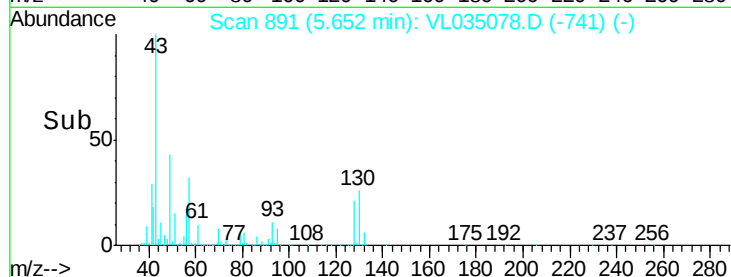
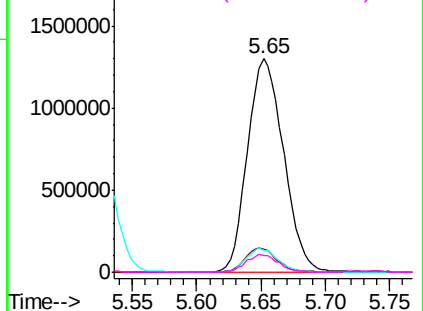
#25
Ethyl Acetate
Concen: 10.246 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	43	Resp:	2538438
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.9	7.8	11.8
70	7.5	6.0	9.0

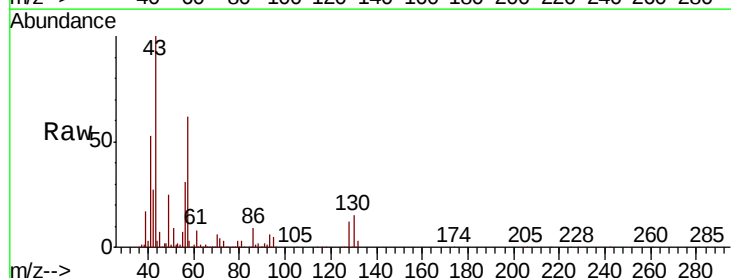


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

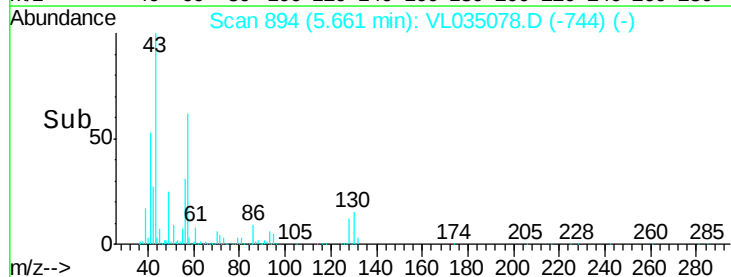
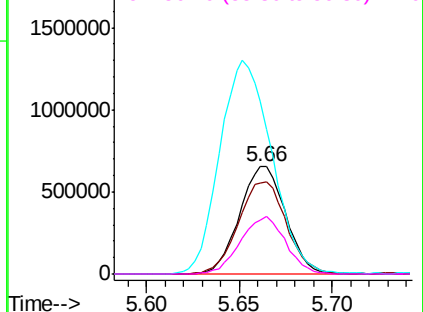


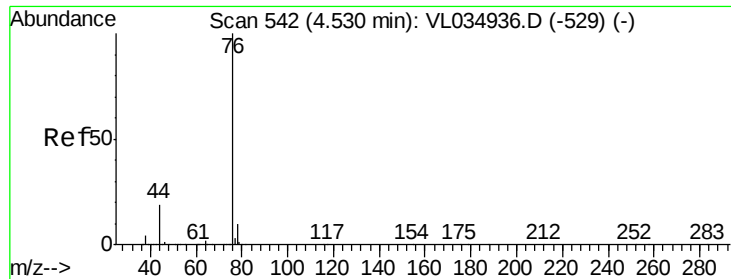
#26
Hexane
Concen: 10.470 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:	57	Resp:	1124470
Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.7	109.1
43	226.6	182.1	273.1
56	52.6	42.2	63.2



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: 11.066 ppbv

RT: 4.51 min Scan# 537

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

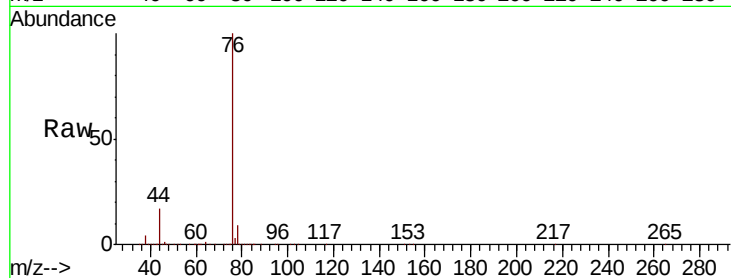
Tot Ion: 76 Resp: 1400897

Ion Ratio Lower Upper

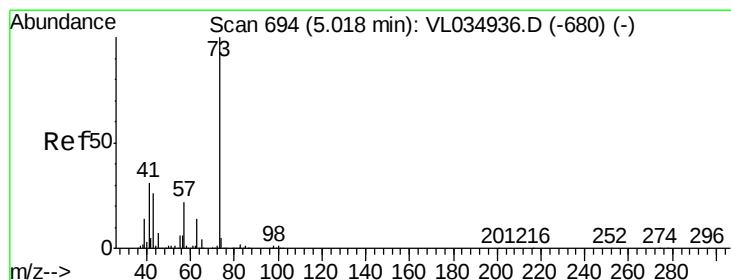
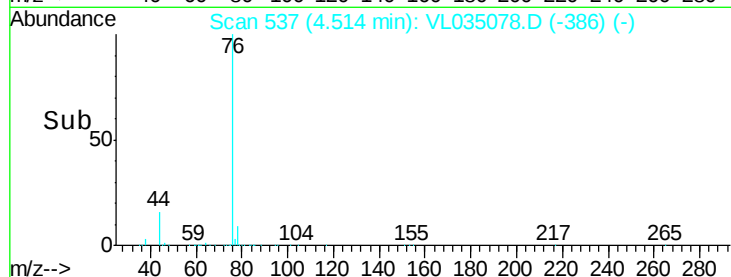
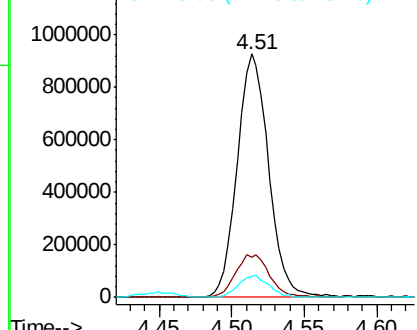
76 100

44 18.2 15.2 22.8

78 9.0 7.7 11.5



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



#28

Methyl tert-Butyl Ether

Concen: 9.946 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL035078.D

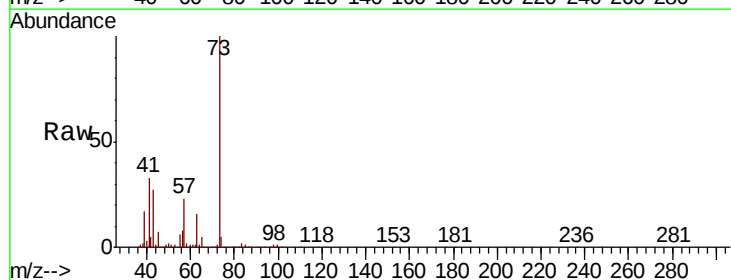
Acq: 22 May 2020 9:47

Tgt Ion: 73 Resp: 1626969

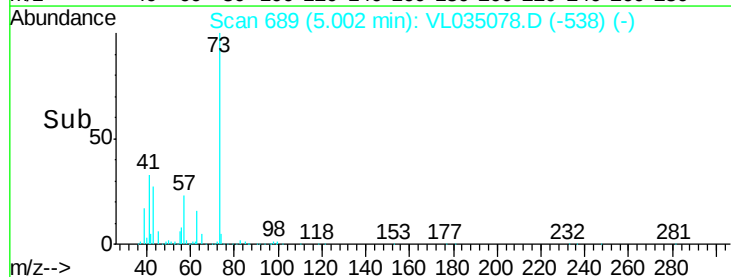
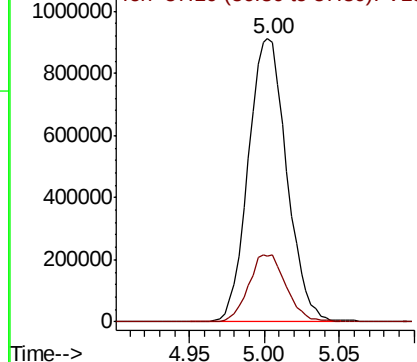
Ion Ratio Lower Upper

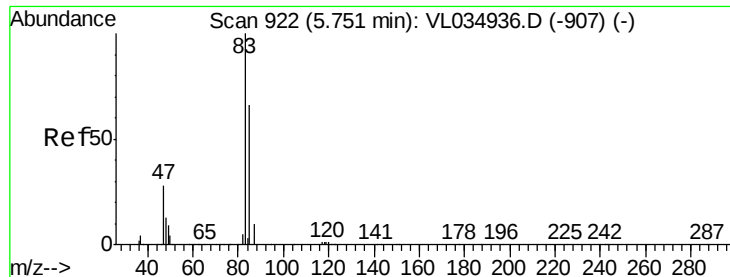
73 100

57 23.4 18.3 27.5



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





#29

Chloroform

Concen: 10.052 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

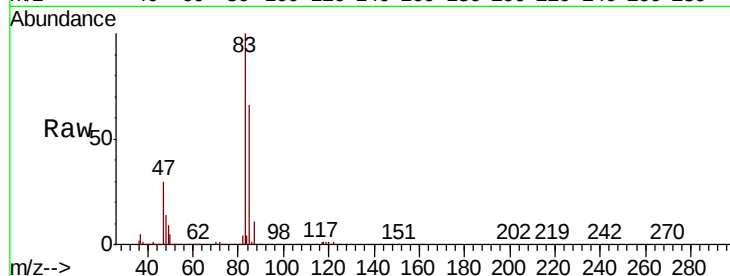
VSTDCCC010

Tot Ion: 83 Resp: 1766528

Ion Ratio Lower Upper

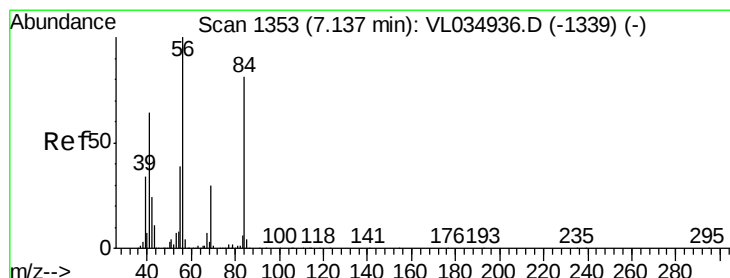
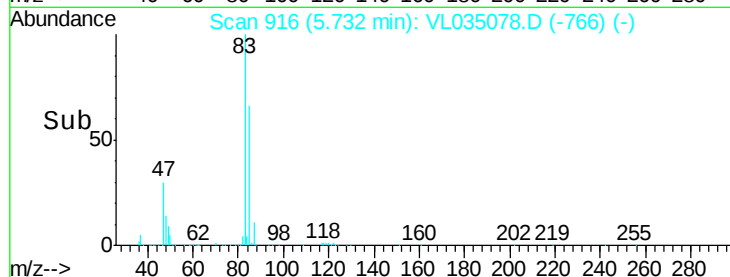
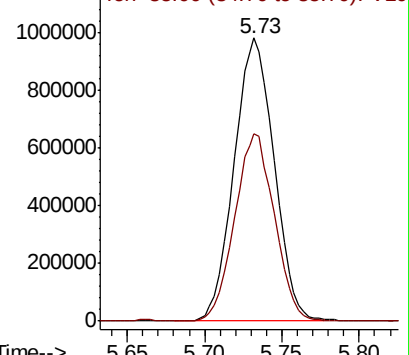
83 100

85 66.0 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.303 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

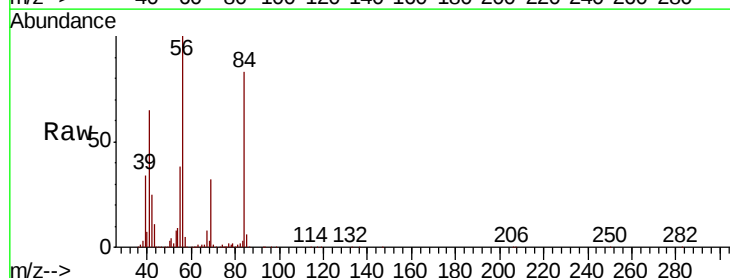
Tgt Ion: 84 Resp: 936840

Ion Ratio Lower Upper

84 100

56 136.4 111.4 167.2

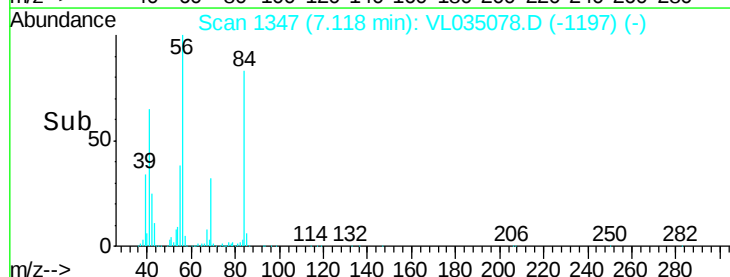
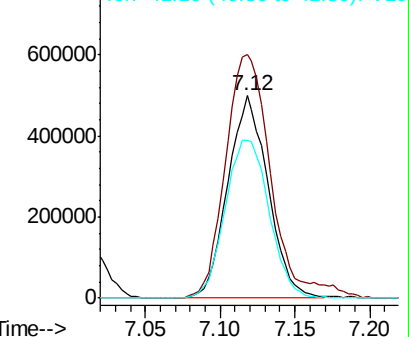
41 85.3 66.7 100.1

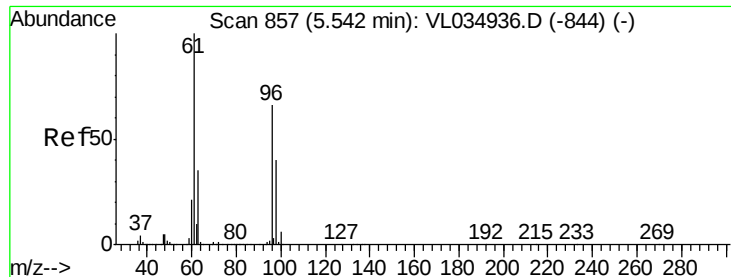


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



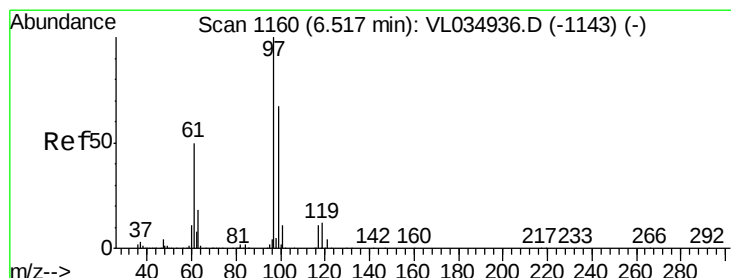
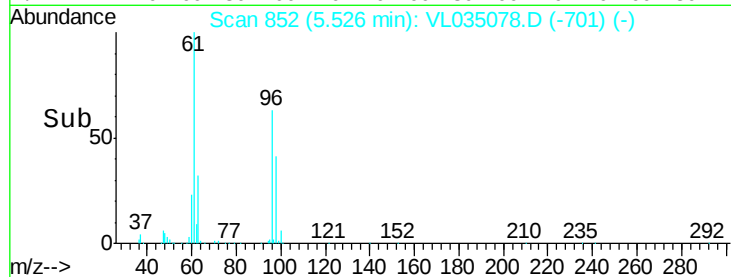
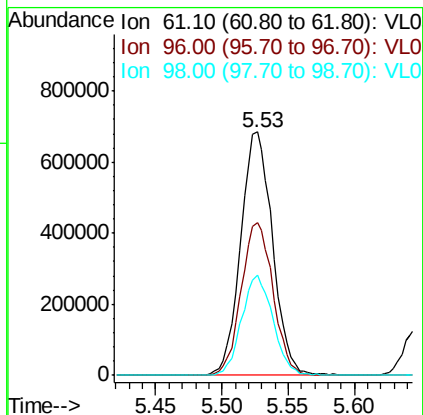
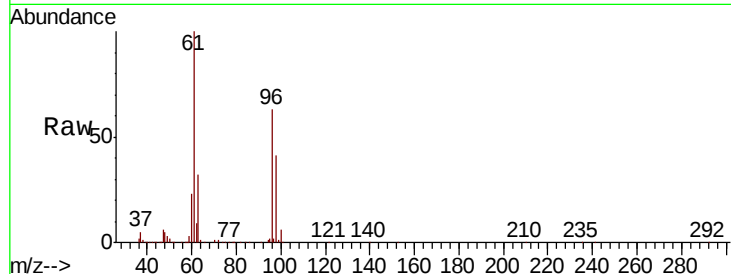


#31

cis-1,2-Dichloroethene
 Concen: 10.898 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VL035078.D
 Acq: 22 May 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

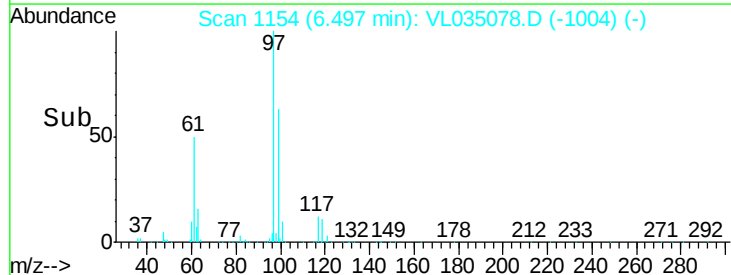
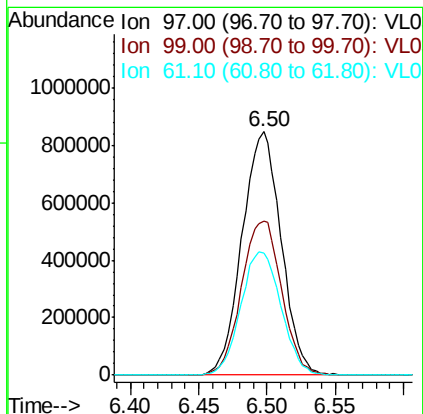
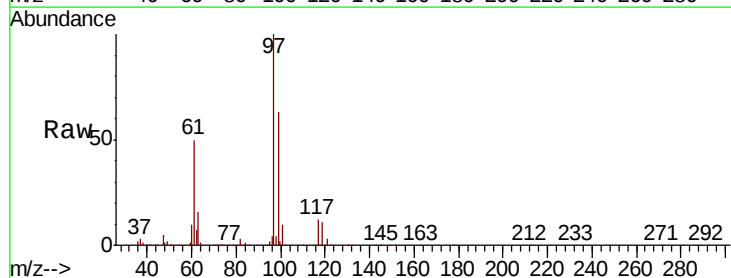
Tot Ion: 61 Resp: 1142004
 Ion Ratio Lower Upper
 61 100
 96 62.7 53.0 79.6
 98 40.9 32.2 48.2

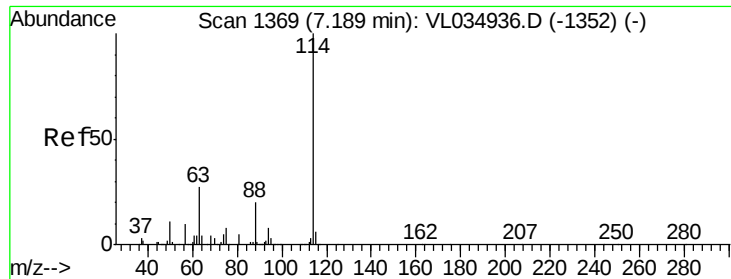


#32

1,1,1-Trichloroethane
 Concen: 10.624 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL035078.D
 Acq: 22 May 2020 9:47

Tgt Ion: 97 Resp: 1686109
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.1 78.1
 61 52.4 41.8 62.8

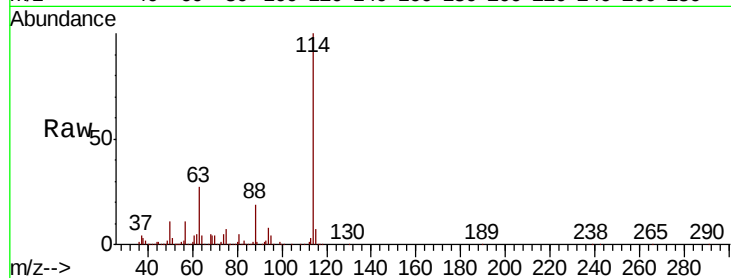




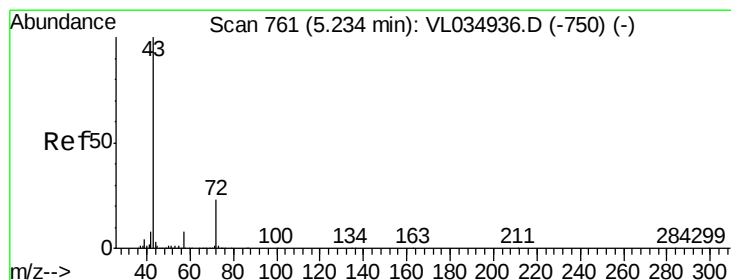
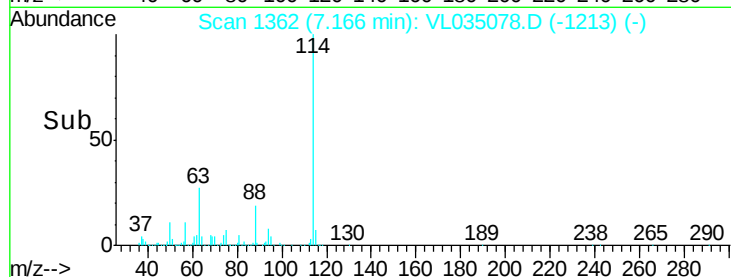
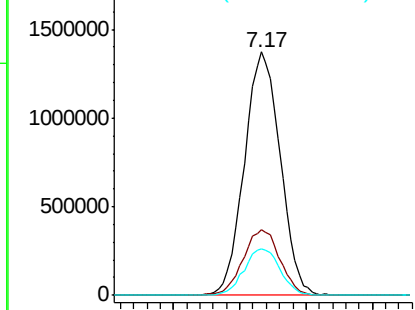
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035078.D
 Acq: 22 May 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2585220
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.2 33.4
 88 19.2 15.5 23.3

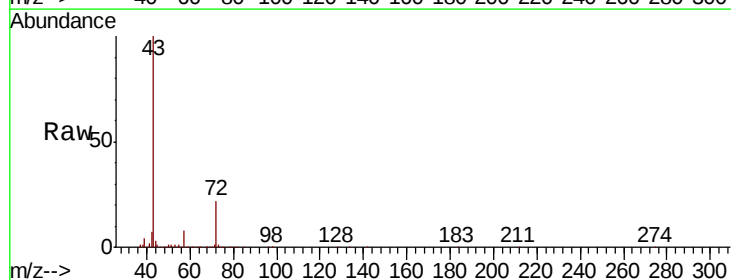


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

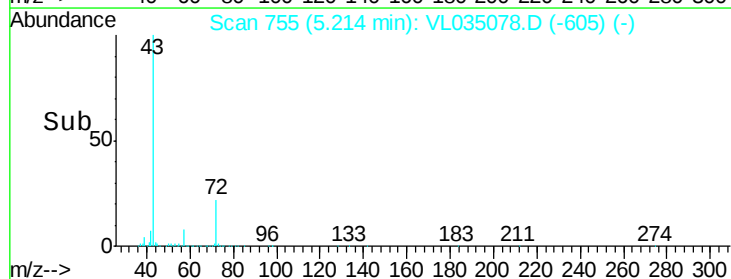
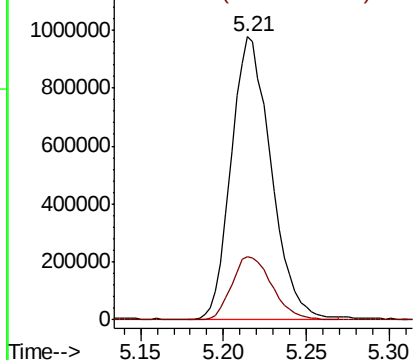


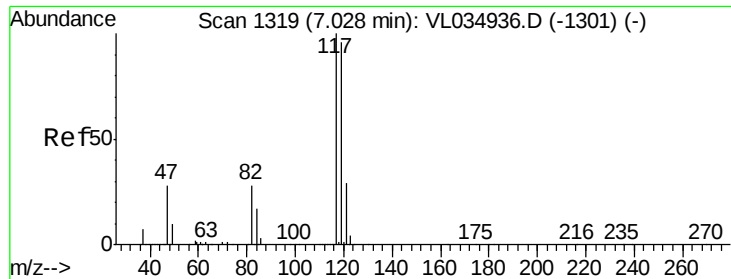
#34
 2-Butanone
 Concen: 10.154 ppbv
 RT: 5.21 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: VL035078.D
 Acq: 22 May 2020 9:47

Tgt Ion: 43 Resp: 1631478
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.0 27.0



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





#35

Carbon Tetrachloride

Concen: 10.699 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

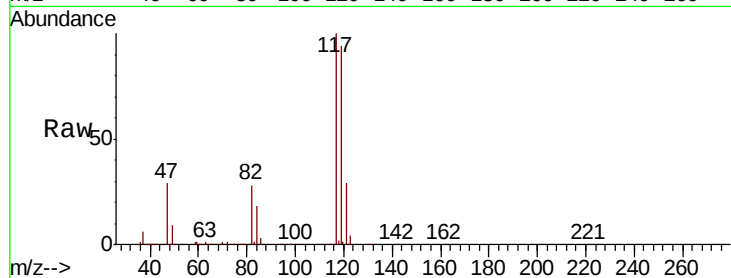
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1745786

Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.0	115.6
121	28.5	23.0	34.6

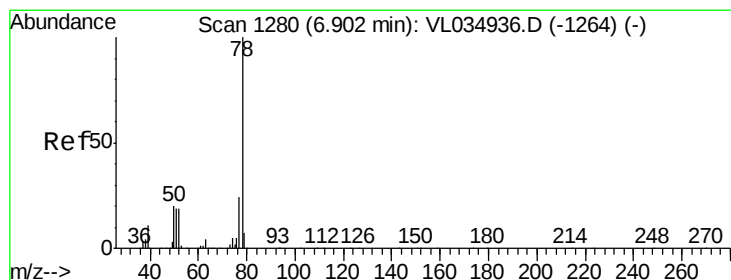
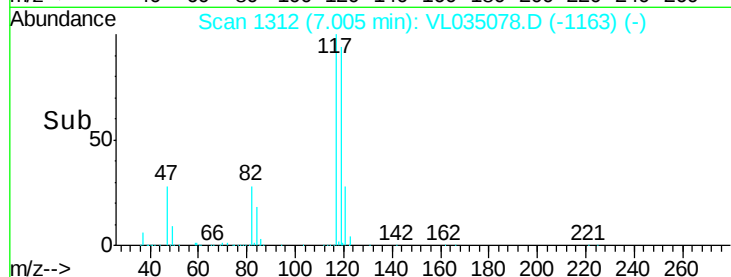
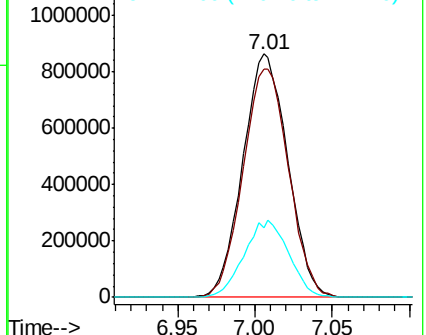


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.503 ppbv

RT: 6.88 min Scan# 1273

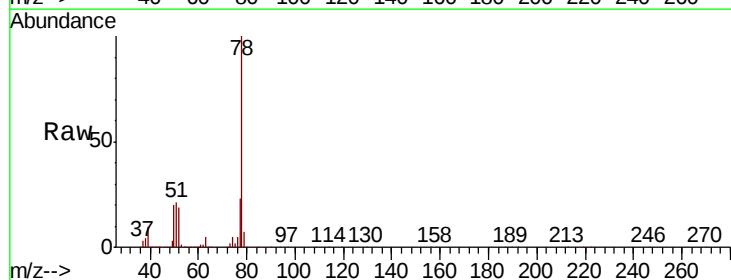
Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion: 78 Resp: 2238578

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.6
50	20.4	15.8	23.8

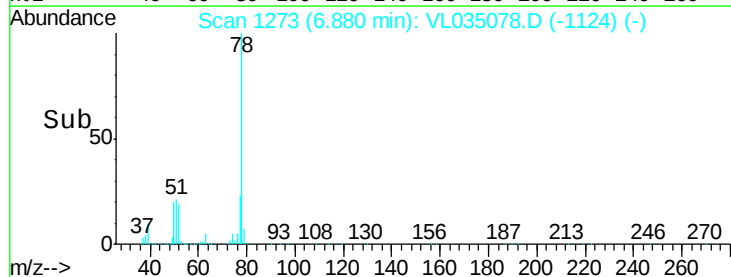
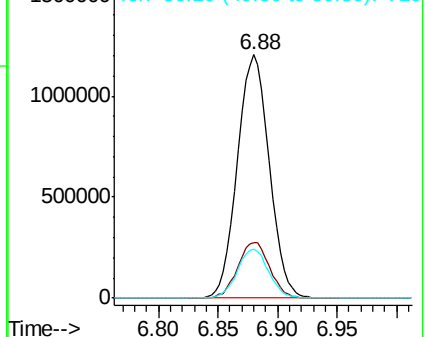


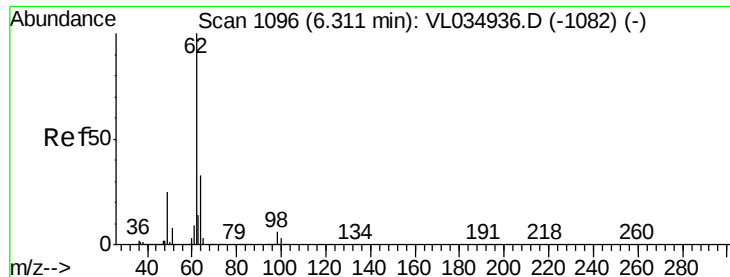
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.467 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

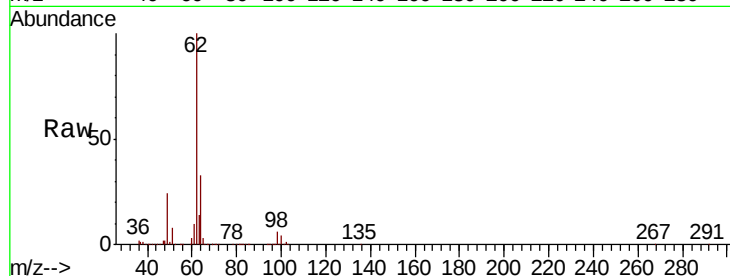
VSTDCCC010

Tot Ion: 62 Resp: 1376120

Ion Ratio Lower Upper

62 100

98 6.0 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

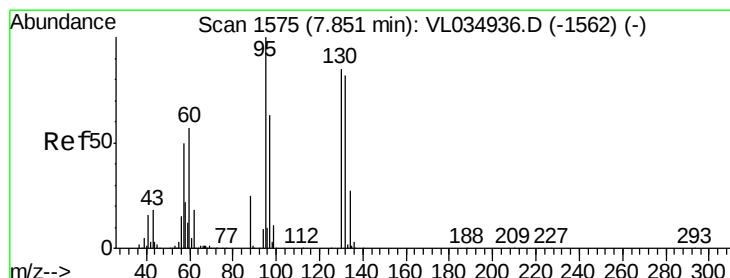
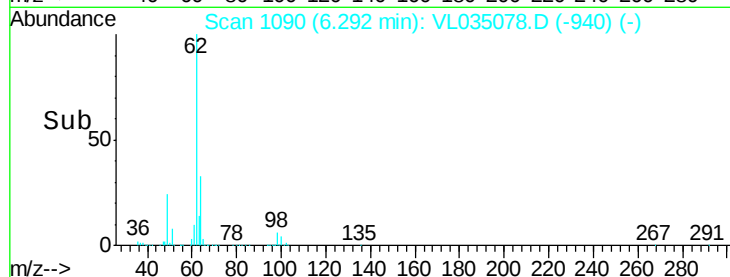
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.437 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion:130 Resp: 861767

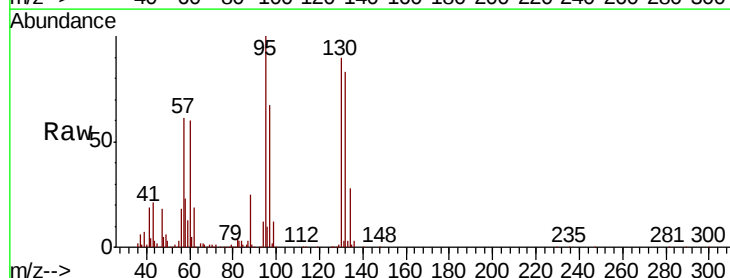
Ion Ratio Lower Upper

130 100

95 111.0 93.4 140.0

132 92.3 76.4 114.6

97 74.4 58.5 87.7



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

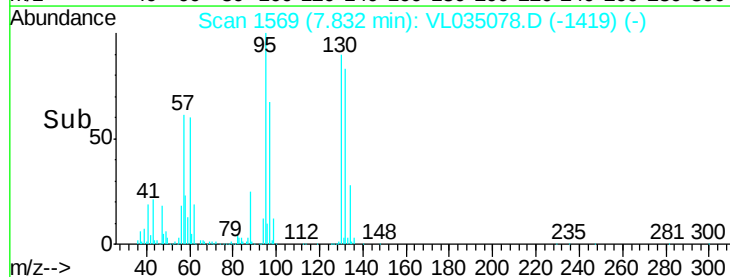
600000

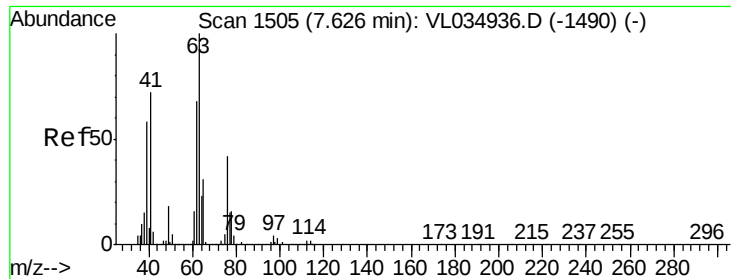
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 10.158 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

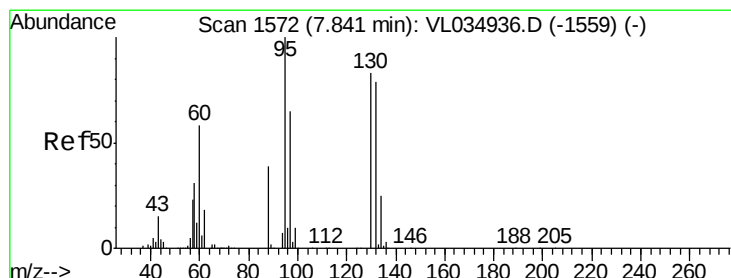
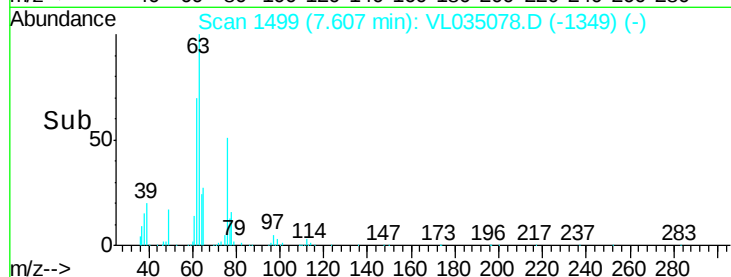
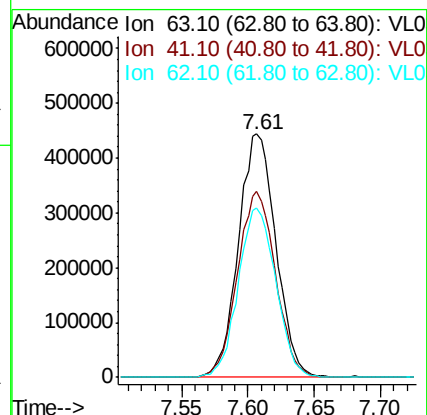
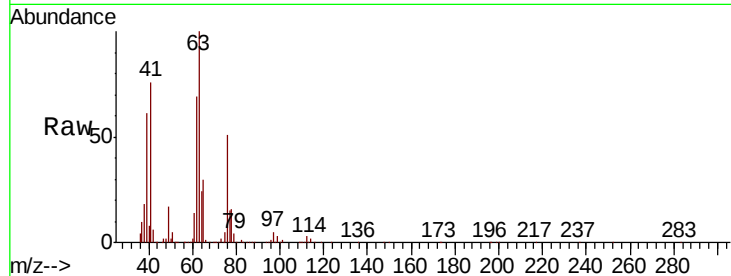
Tot Ion: 63 Resp: 867966

Ion Ratio Lower Upper

63 100

41 76.5 57.8 86.8

62 69.4 54.2 81.2



#40

1,4-Dioxane

Concen: 10.035 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion: 88 Resp: 348501

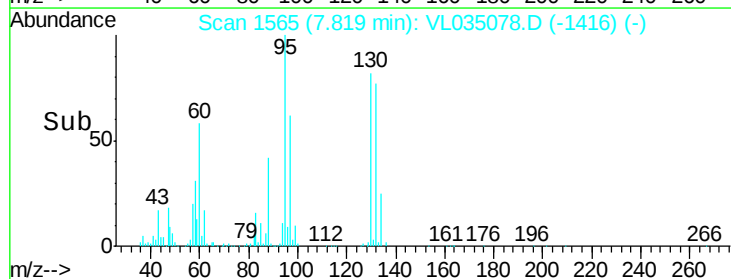
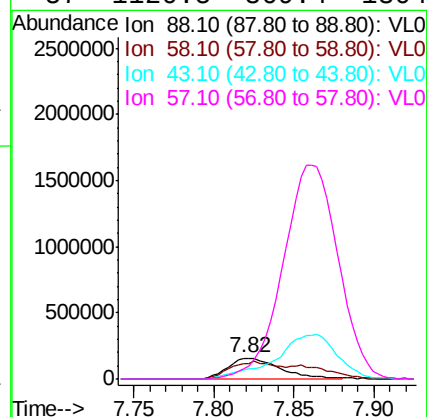
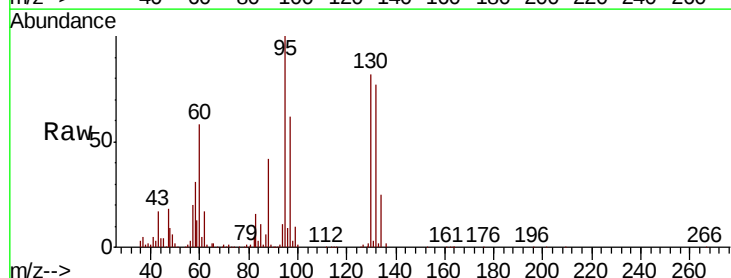
Ion Ratio Lower Upper

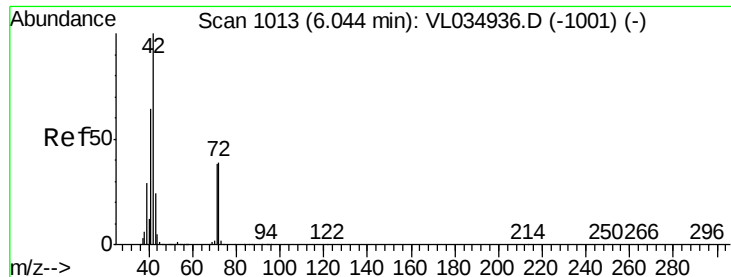
88 100

58 130.7 105.1 157.7

43 258.4 202.6 303.8

57 1120.5 869.4 1304.0





#41

Tetrahydrofuran

Concen: 10.718 ppbv

RT: 6.02 min Scan# 1007

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

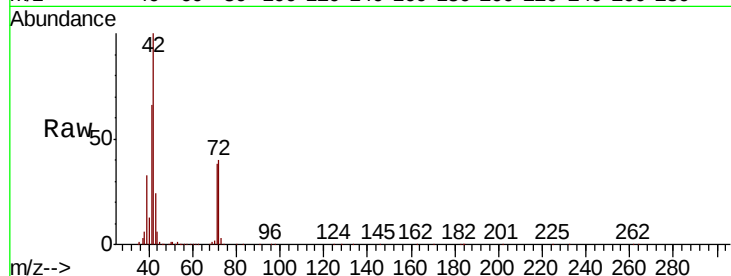
Tot Ion: 42 Resp: 906682

Ion Ratio Lower Upper

42 100

72 40.4 31.4 47.0

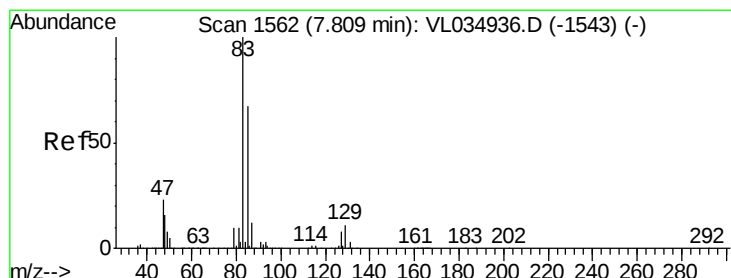
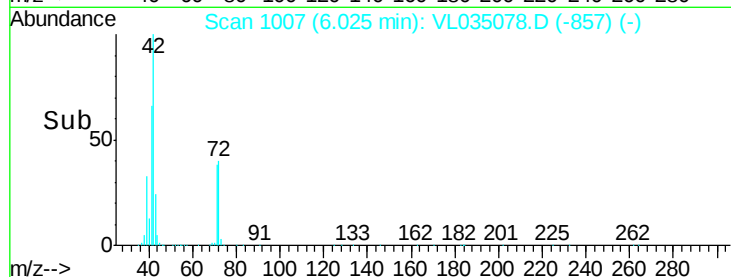
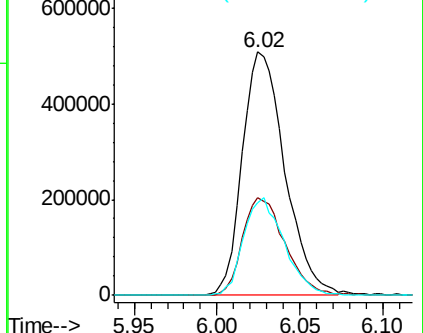
71 38.6 29.8 44.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.652 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

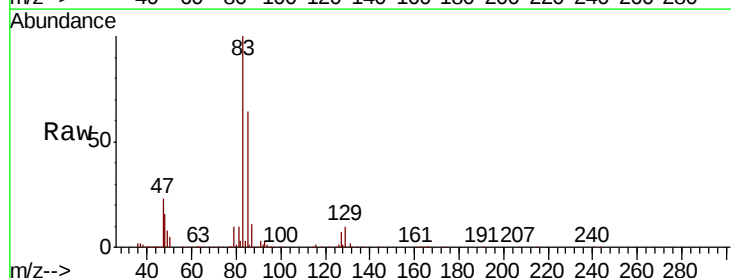
Tgt Ion: 83 Resp: 1888827

Ion Ratio Lower Upper

83 100

85 64.1 53.4 80.0

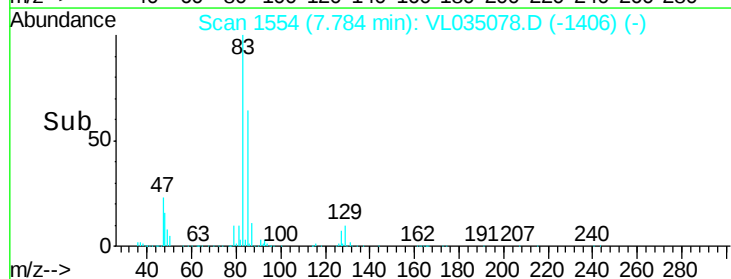
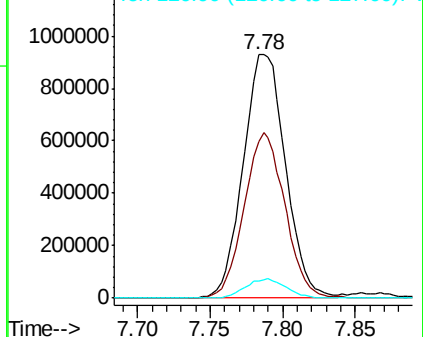
127 7.1 6.1 9.1

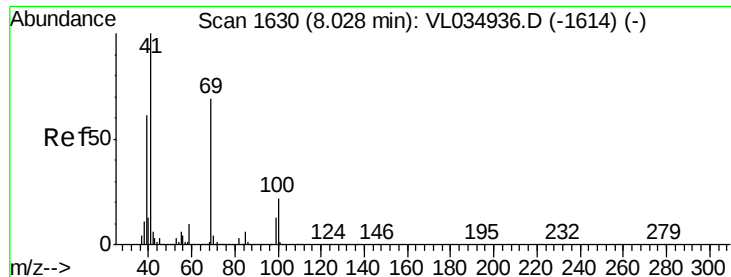


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

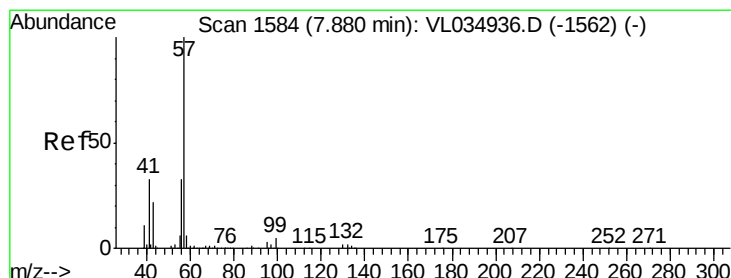
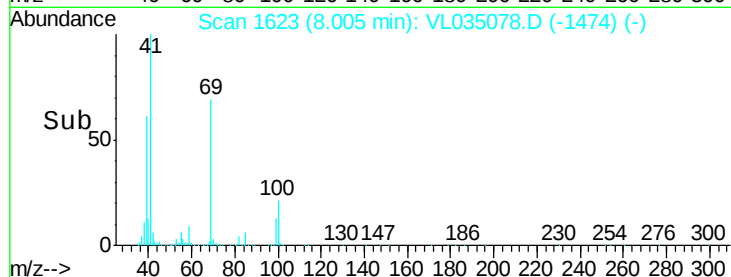
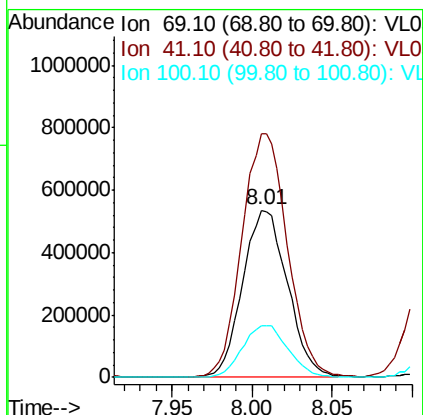
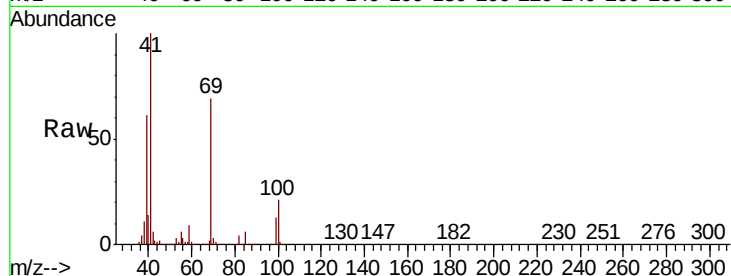




#43
Methvl Methacrilate
Concen: 11.423 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

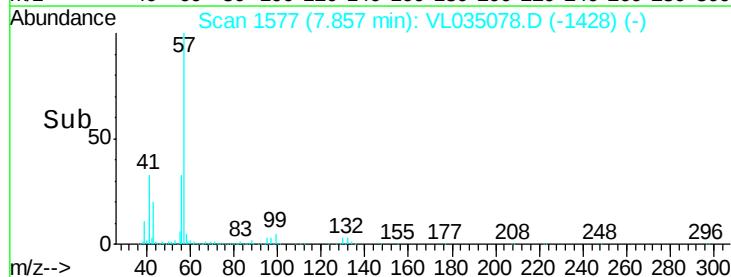
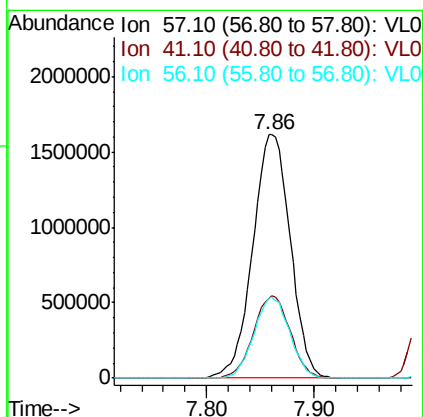
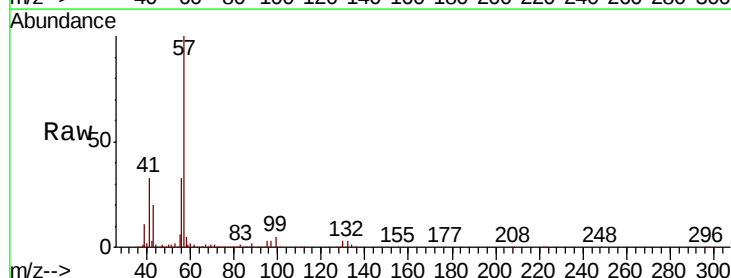
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

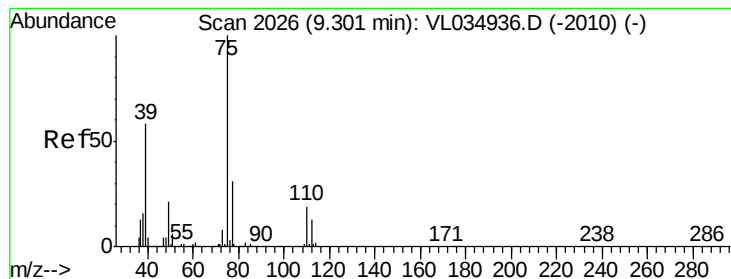
Tot Ion: 69 Resp: 1028045
Ion Ratio Lower Upper
69 100
41 148.0 119.8 179.6
100 31.5 25.0 37.6



#44
2,2,4-Trimethylpentane
Concen: 10.286 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion: 57 Resp: 3897906
Ion Ratio Lower Upper
57 100
41 33.0 26.4 39.6
56 31.5 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 12.514 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

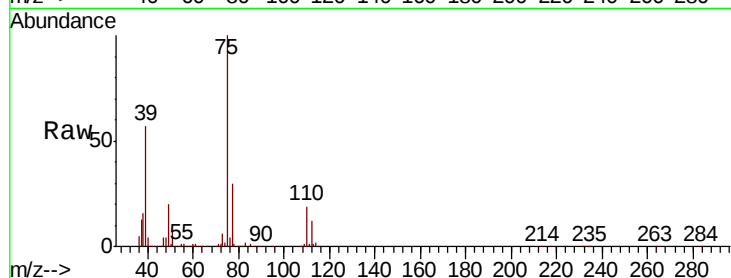
VSTDCCC010

Tot Ion: 75 Resp: 1136598

Ion Ratio Lower Upper

75 100

77 30.0 24.9 37.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

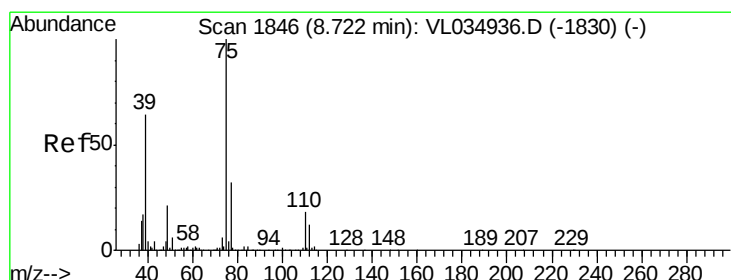
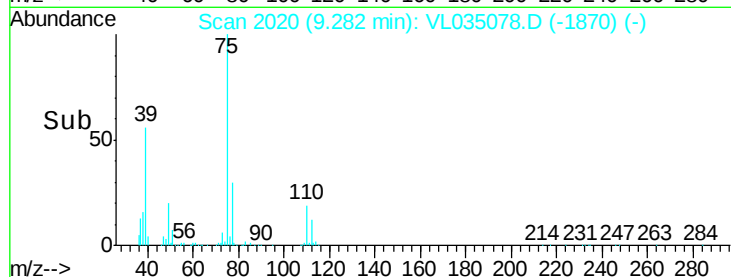
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.085 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

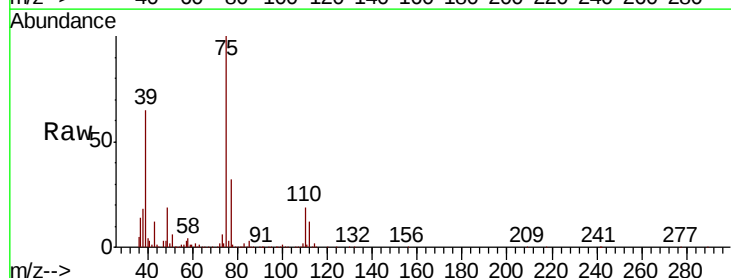
Tgt Ion: 75 Resp: 1347632

Ion Ratio Lower Upper

75 100

39 64.7 51.5 77.3

77 32.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.71

800000

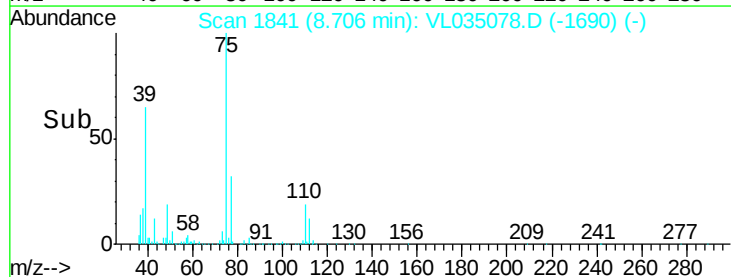
600000

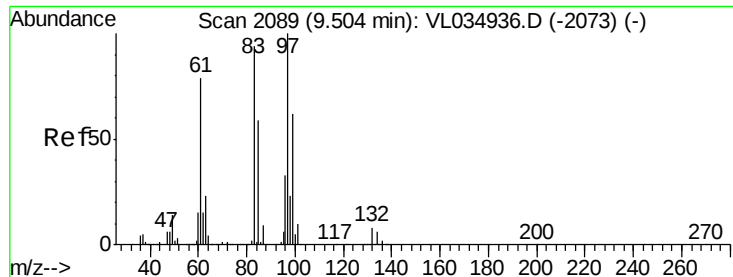
400000

200000

0

Time-->

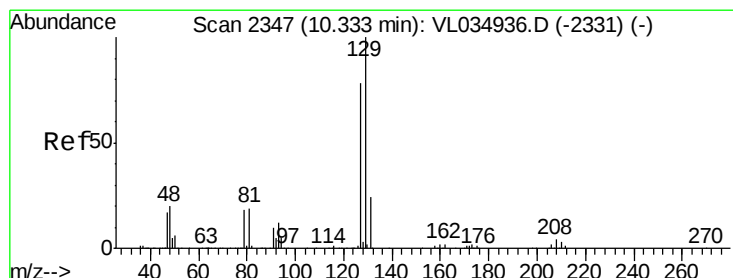
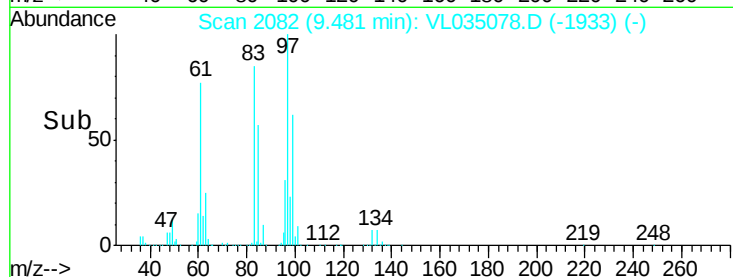
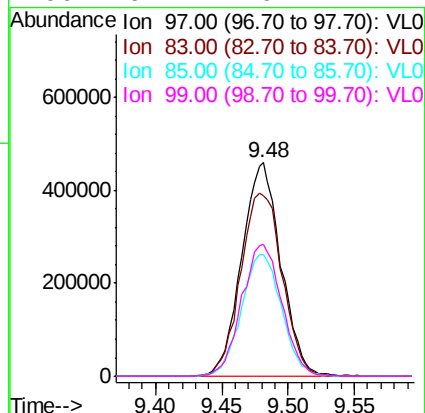
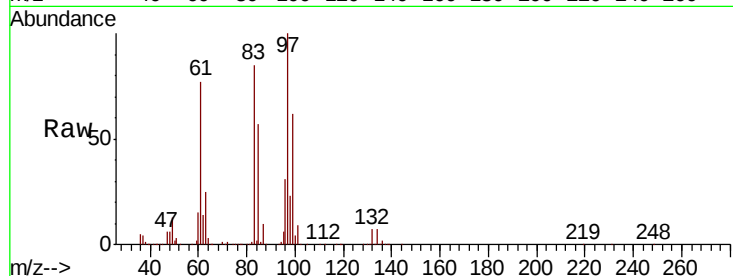




#47
 1,1,2-Trichloroethane
 Concen: 10.467 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: VL035078.D
 Acq: 22 May 2020 9:47

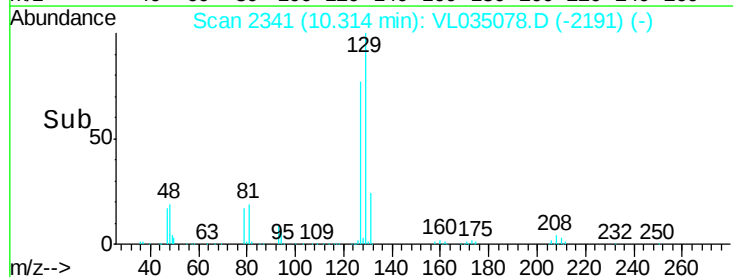
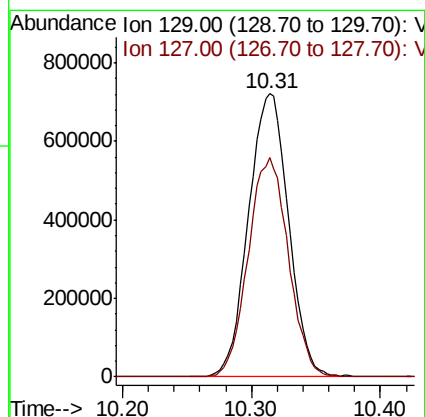
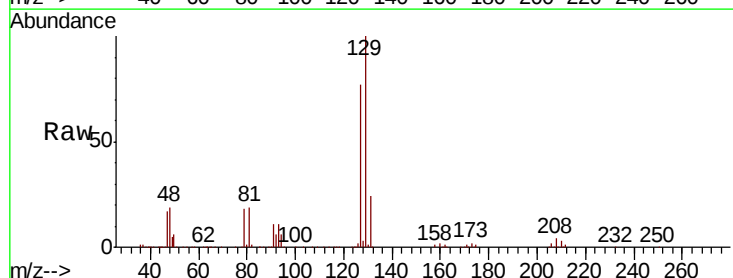
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

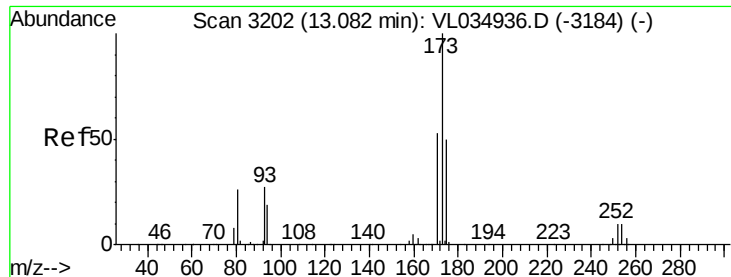
Tot Ion: 97 Resp: 943797
 Ion Ratio Lower Upper
 97 100
 83 84.3 75.6 113.4
 85 56.9 47.0 70.6
 99 61.7 49.4 74.2



#48
 Dibromochloromethane
 Concen: 11.257 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. -0.02 min
 Lab File: VL035078.D
 Acq: 22 May 2020 9:47

Tgt Ion: 129 Resp: 1560824
 Ion Ratio Lower Upper
 129 100
 127 77.9 39.1 117.2





#49

Bromoform

Concen: 11.297 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

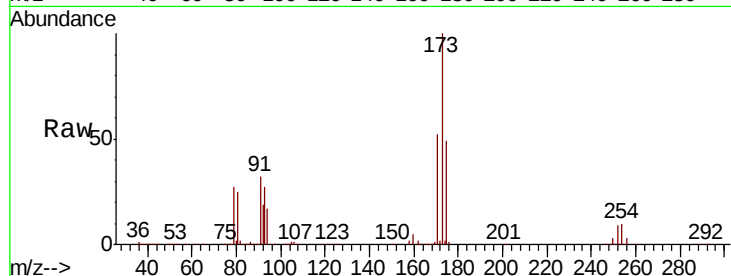
Tot Ion:173 Resp: 1347822

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

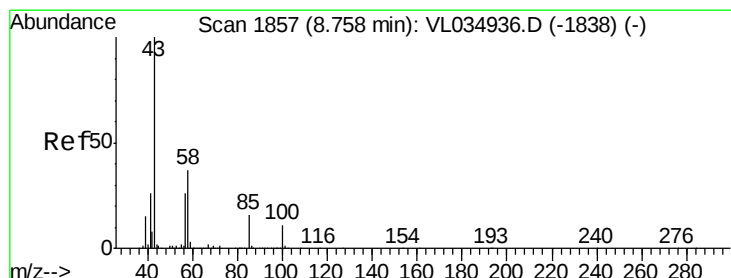
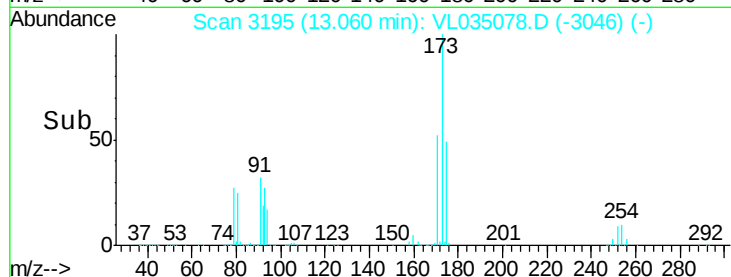
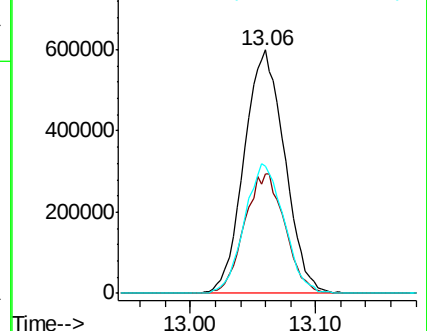
171 51.8 41.4 62.2



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: 10.677 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.02 min

Lab File: VL035078.D

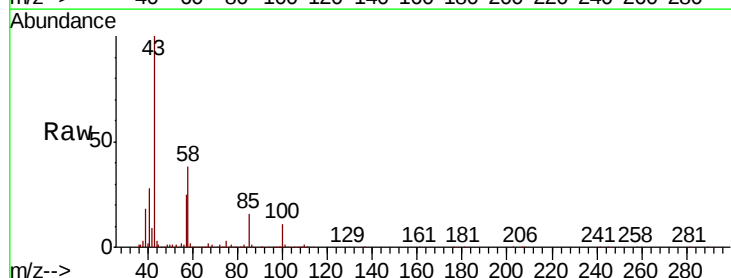
Acq: 22 May 2020 9:47

Tgt Ion: 43 Resp: 2446303

Ion Ratio Lower Upper

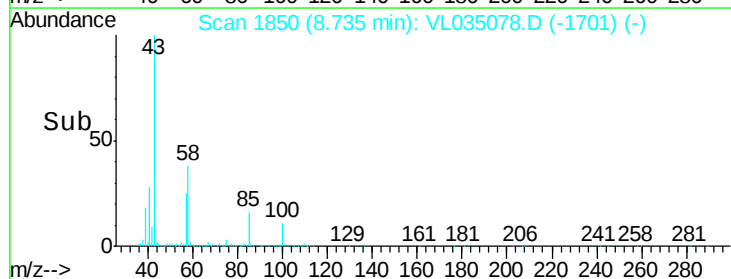
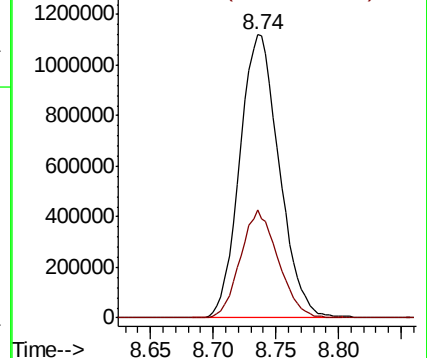
43 100

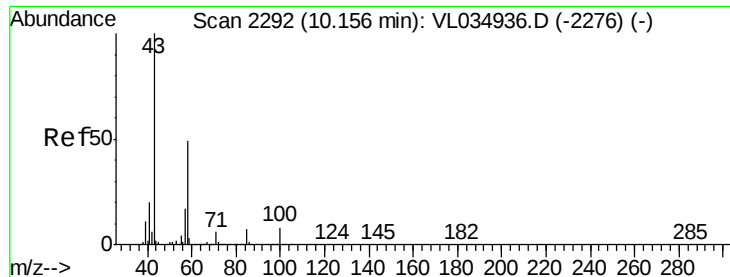
58 36.7 29.1 43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.266 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

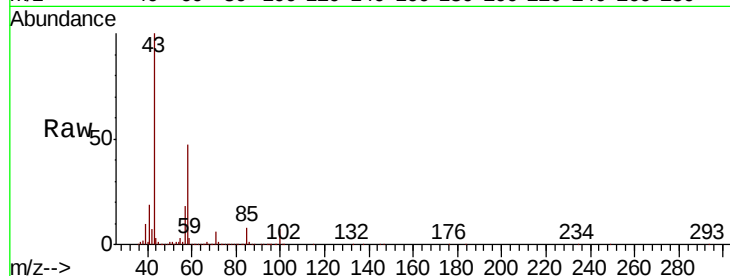
Tot Ion: 43 Resp: 2018973

Ion Ratio Lower Upper

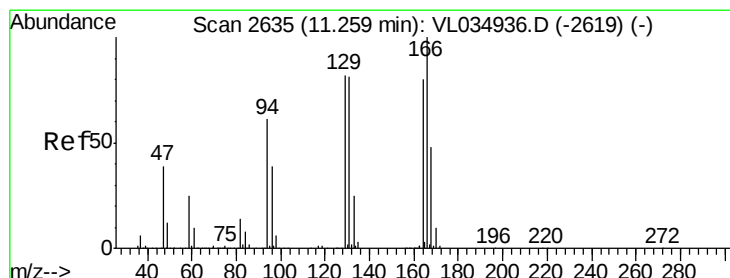
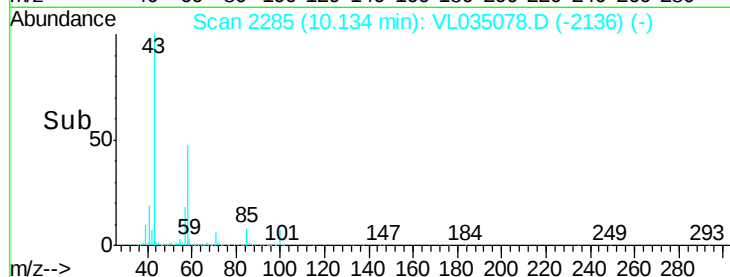
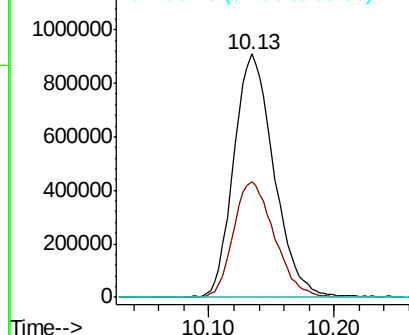
43 100

58 48.6 39.1 58.7

98 0.4 0.3 0.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.402 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion: 164 Resp: 788371

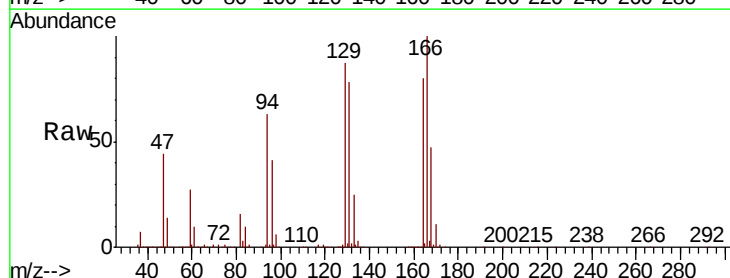
Ion Ratio Lower Upper

164 100

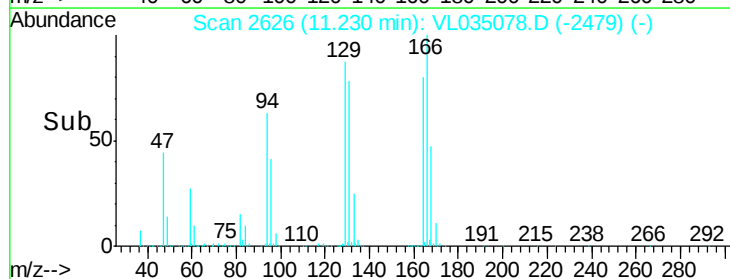
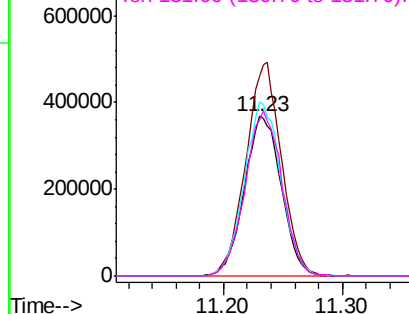
166 124.7 100.7 151.1

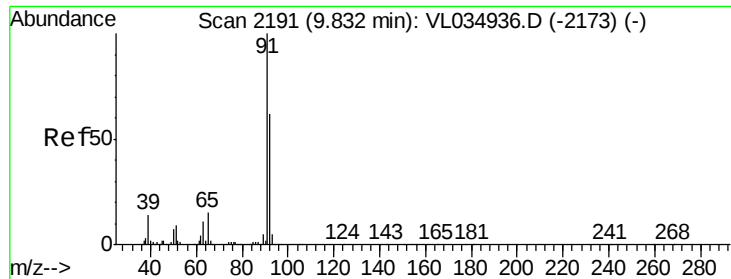
129 109.0 83.0 124.4

131 97.7 81.0 121.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.525 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

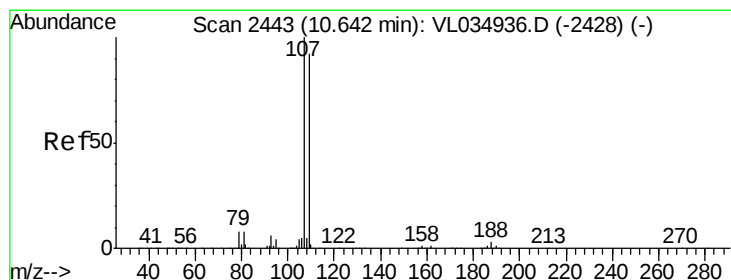
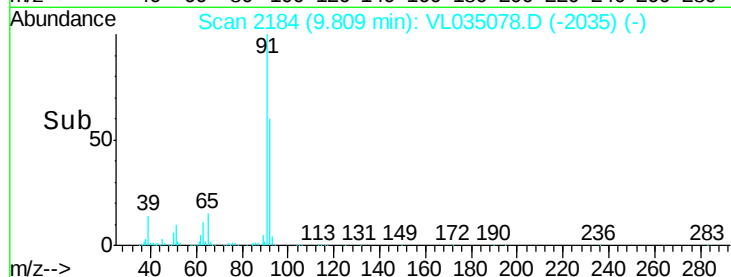
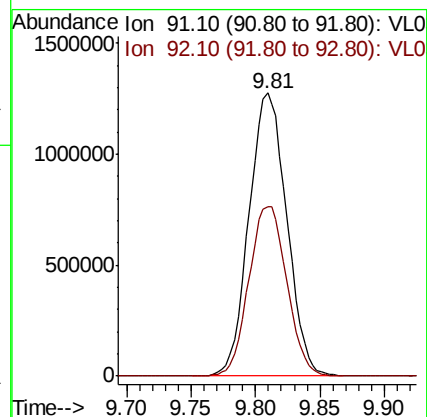
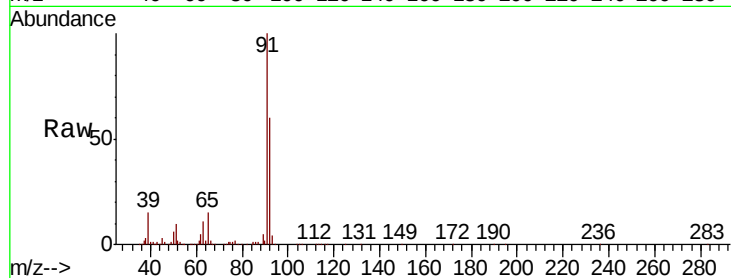
VSTDCCC010

Tot Ion: 91 Resp: 2604031

Ion Ratio Lower Upper

91 100

92 60.5 48.6 73.0



#54

1,2-Dibromoethane

Concen: 10.724 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. -0.02 min

Lab File: VL035078.D

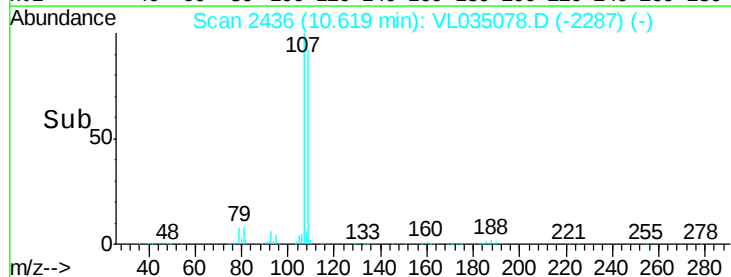
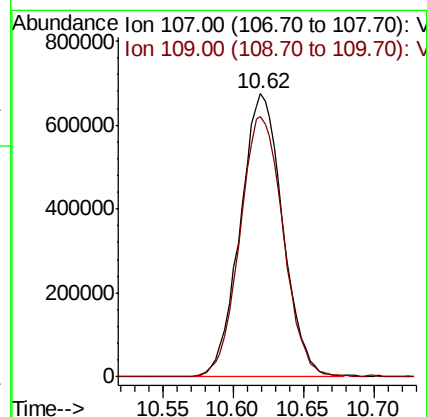
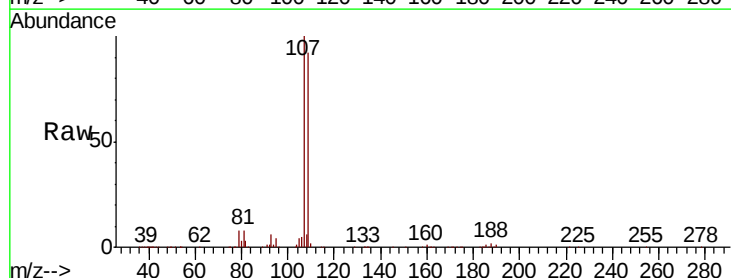
Acq: 22 May 2020 9:47

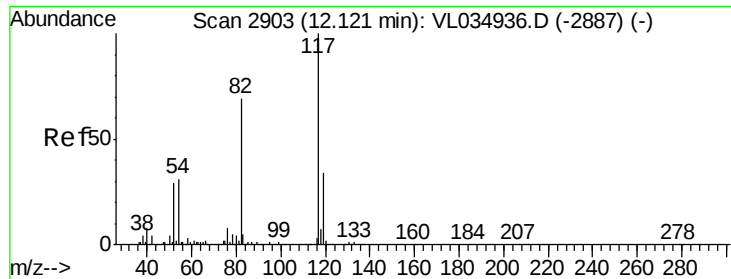
Tgt Ion: 107 Resp: 1419979

Ion Ratio Lower Upper

107 100

109 92.0 73.2 109.8

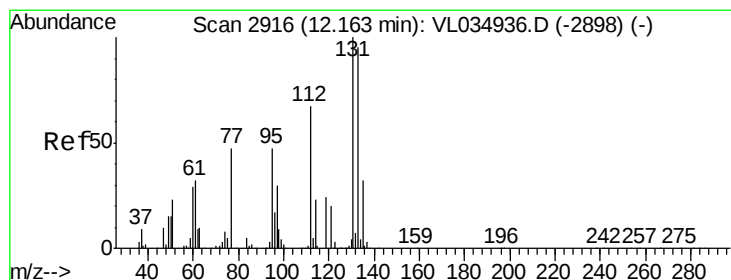
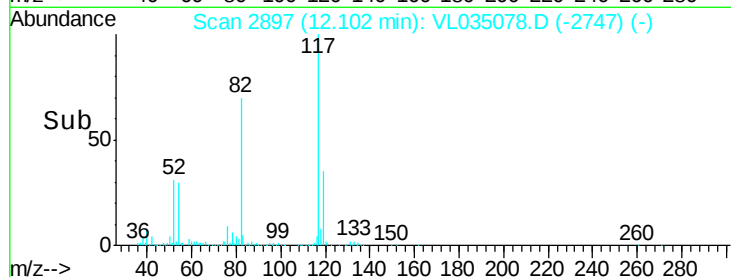
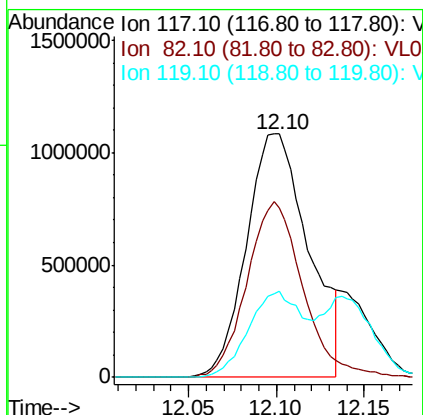
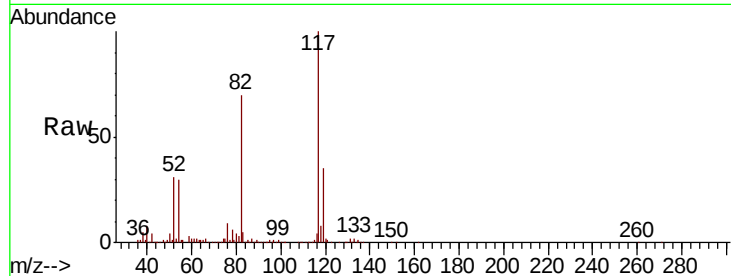




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

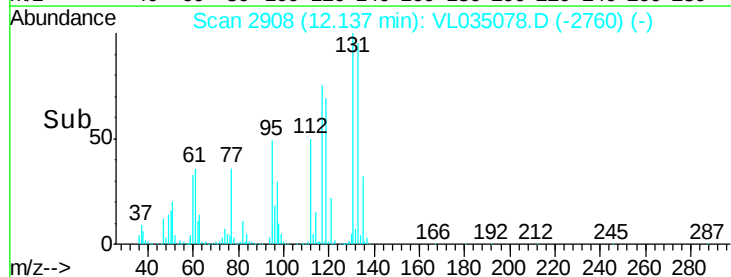
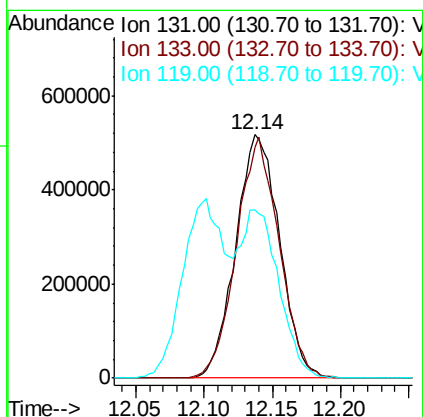
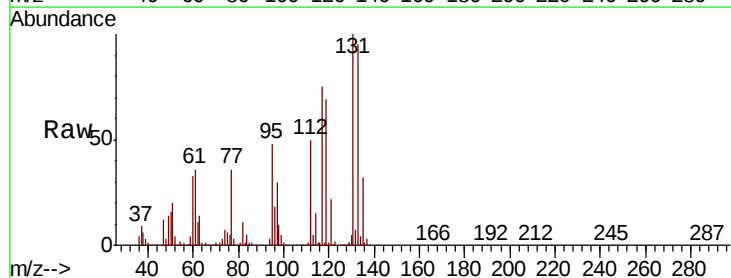
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

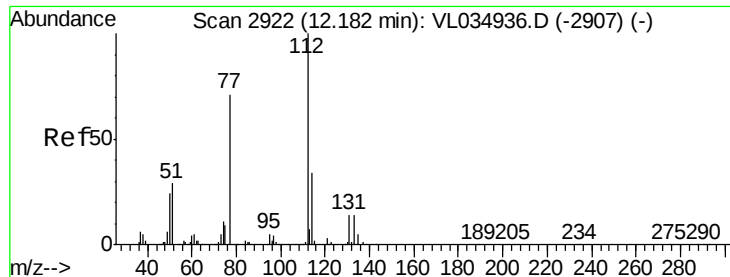
Tot Ion:117 Resp: 2664106
Ion Ratio Lower Upper
117 100
82 65.4 53.1 79.7
119 27.7 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.545 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.03 min
Lab File: VL035078.D
Acq: 22 May 2020 9:47

Tgt Ion:131 Resp: 1146811
Ion Ratio Lower Upper
131 100
133 96.9 77.7 116.5
119 66.4 49.8 74.6





#57

Chlorobenzene

Concen: 9.334 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

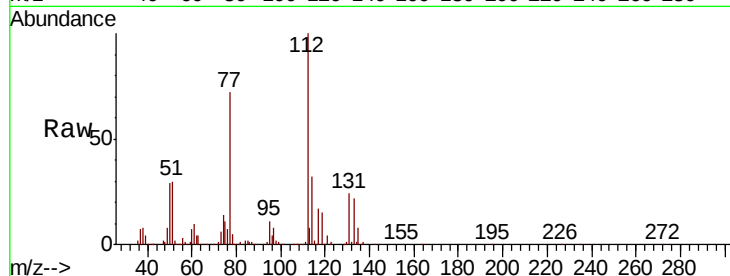
Tot Ion:112 Resp: 1969929

Ion Ratio Lower Upper

112 100

77 71.7 57.0 85.6

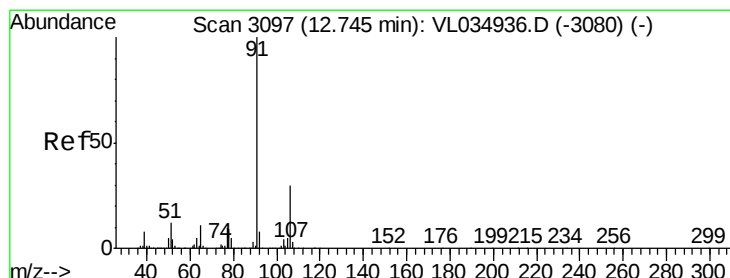
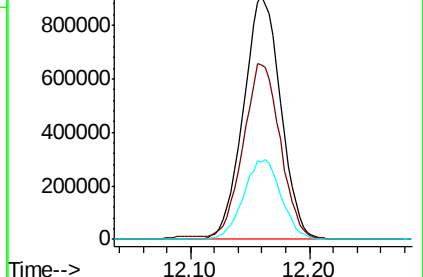
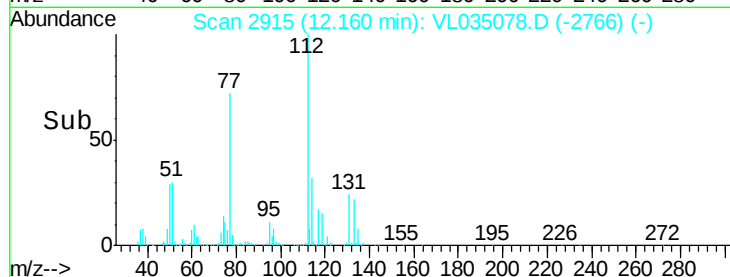
114 31.9 30.8 37.6



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: 10.571 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. -0.02 min

Lab File: VL035078.D

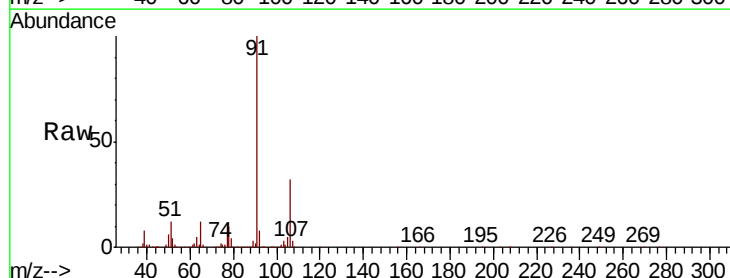
Acq: 22 May 2020 9:47

Tgt Ion: 91 Resp: 3482557

Ion Ratio Lower Upper

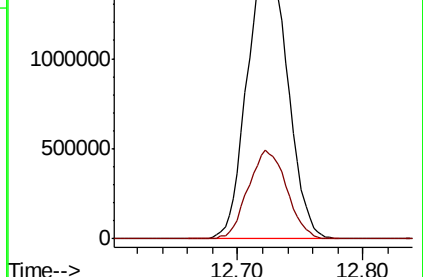
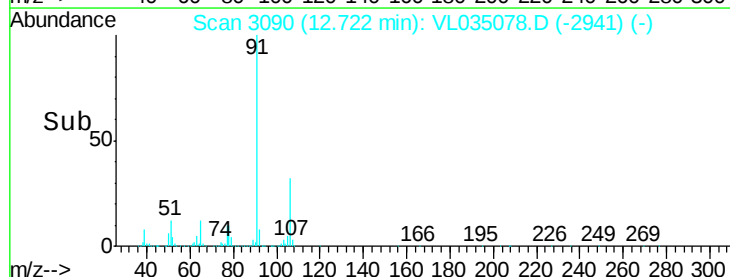
91 100

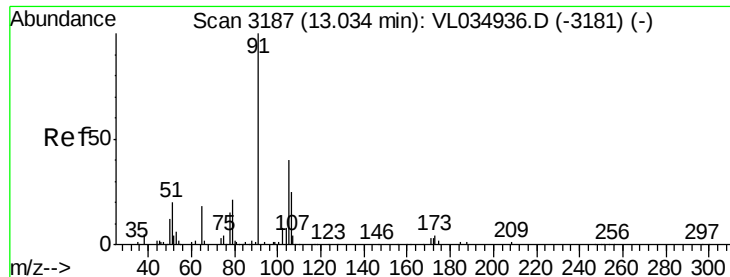
106 31.6 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 19.982 ppbv m

RT: 13.01 min Scan# 3179

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

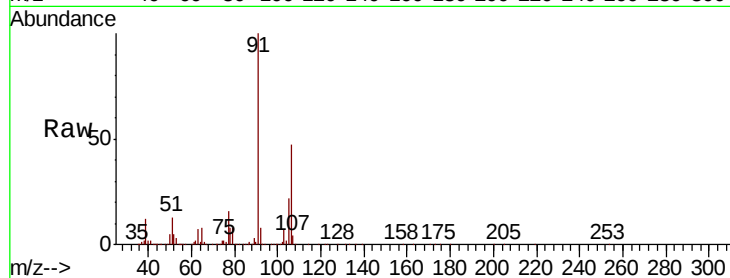
VSTDCCC010

Tot Ion: 91 Resp: 5791798

Ion Ratio Lower Upper

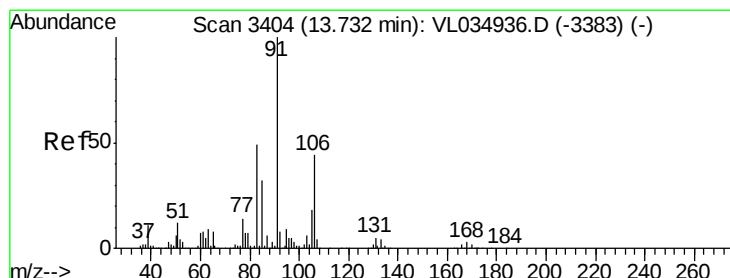
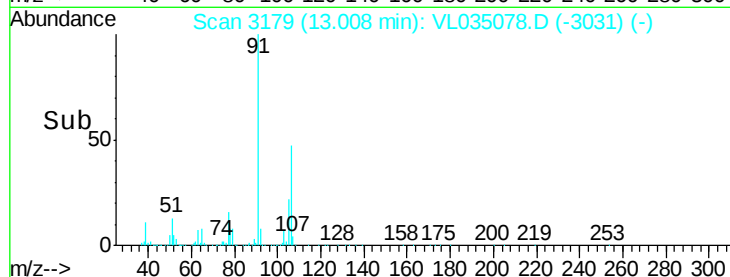
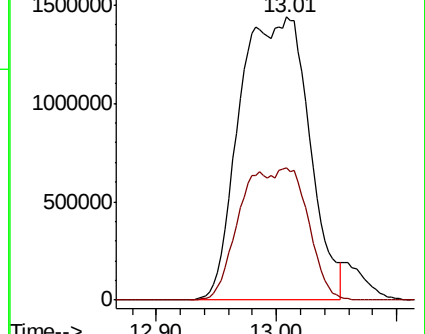
91 100

106 45.3 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.067 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. -0.02 min

Lab File: VL035078.D

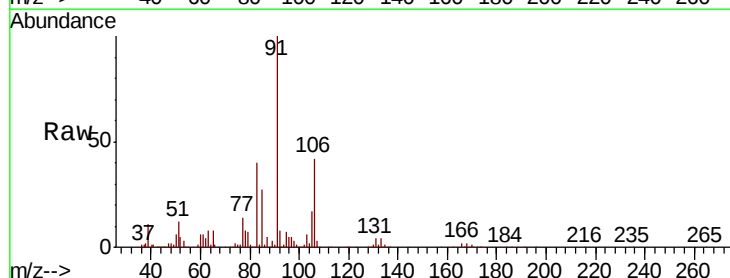
Acq: 22 May 2020 9:47

Tgt Ion: 91 Resp: 2879427

Ion Ratio Lower Upper

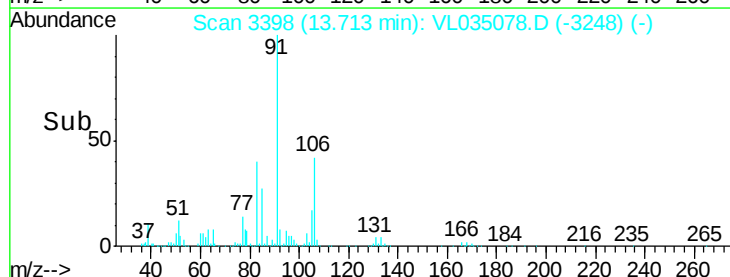
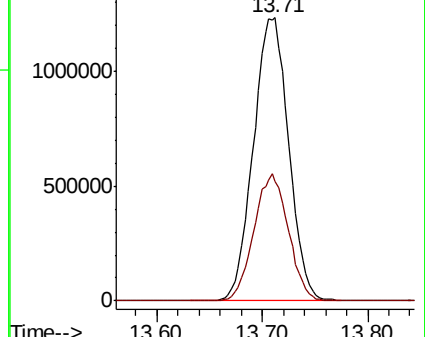
91 100

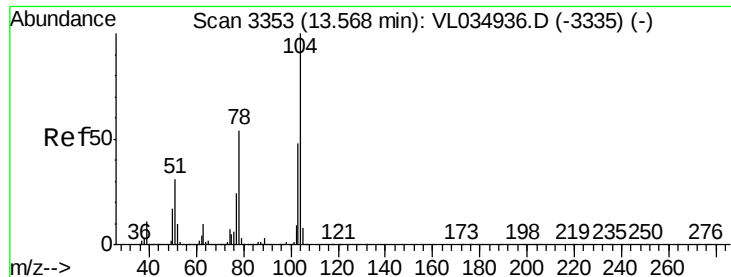
106 43.6 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 11.322 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

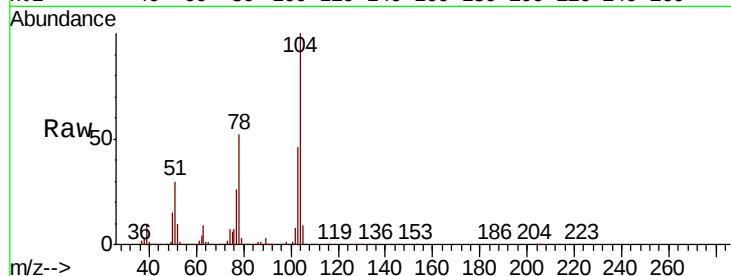
Tot Ion:104 Resp: 2049263

Ion Ratio Lower Upper

104 100

78 54.3 43.7 65.5

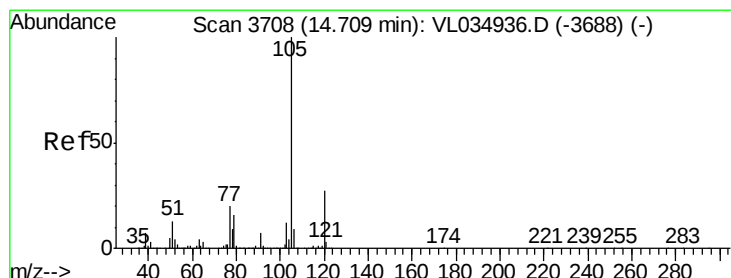
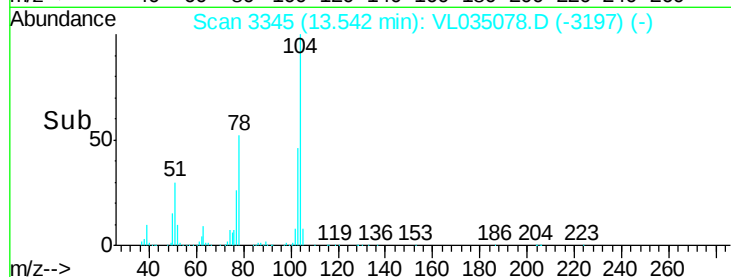
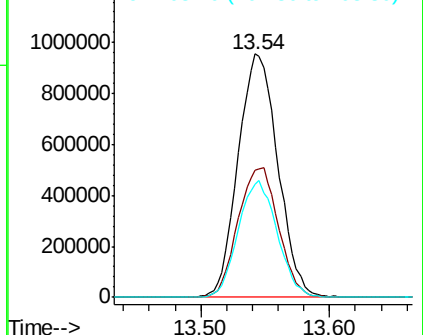
103 47.0 38.8 58.2



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: 9.896 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.02 min

Lab File: VL035078.D

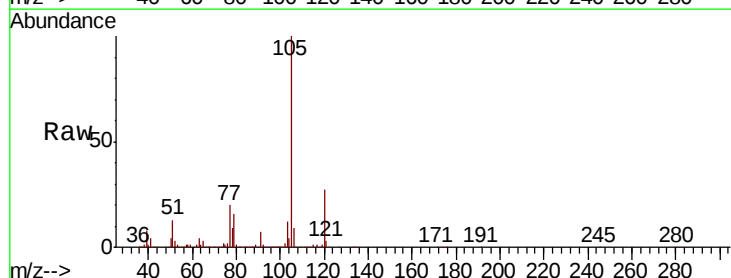
Acq: 22 May 2020 9:47

Tgt Ion:105 Resp: 4225990

Ion Ratio Lower Upper

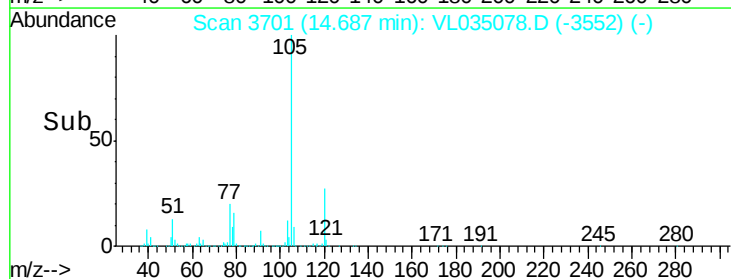
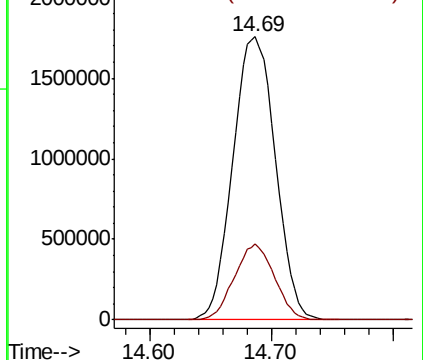
105 100

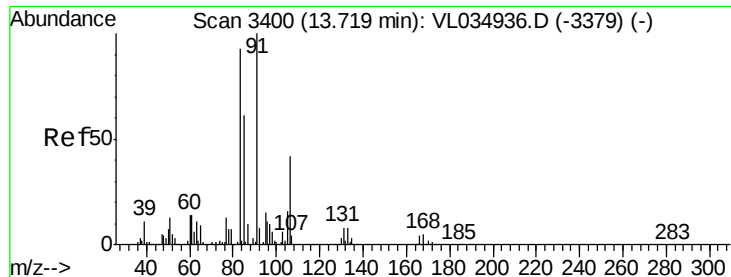
120 25.4 20.6 31.0



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: 8.922 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

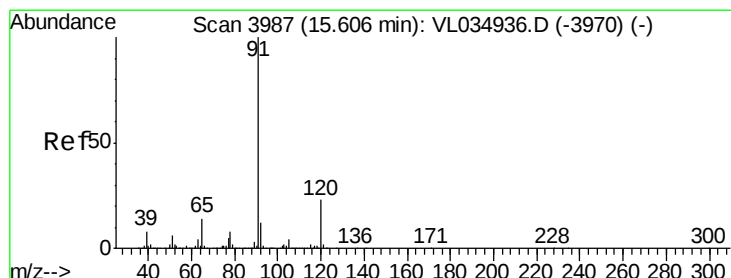
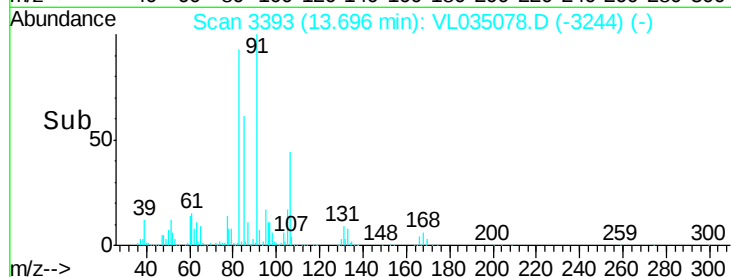
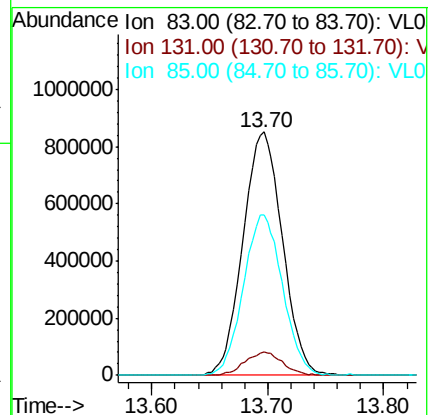
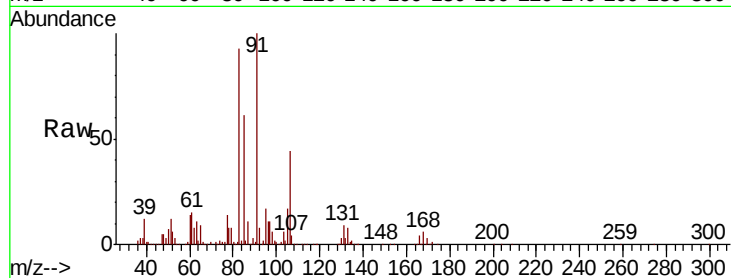
Tot Ion: 83 Resp: 2008784

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

85 65.8 32.5 97.4



#64

n-propylbenzene

Concen: 10.128 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.02 min

Lab File: VL035078.D

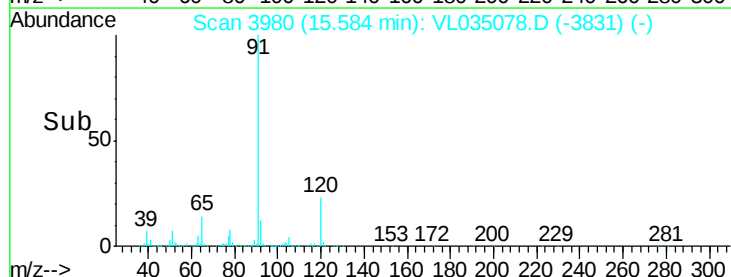
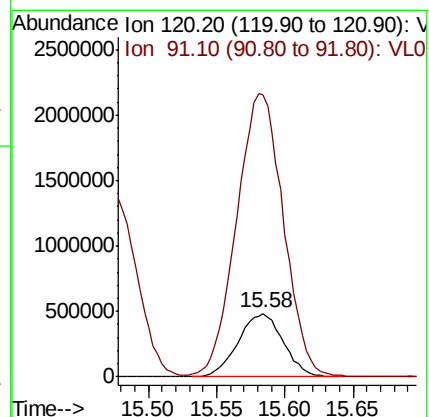
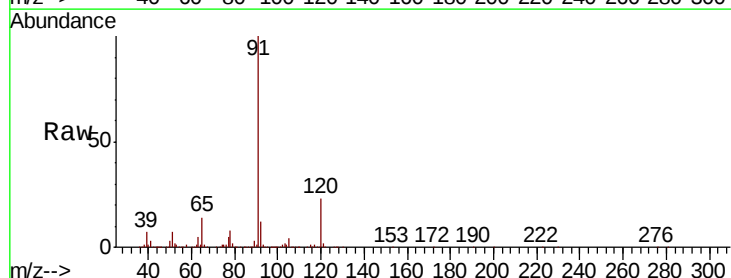
Acq: 22 May 2020 9:47

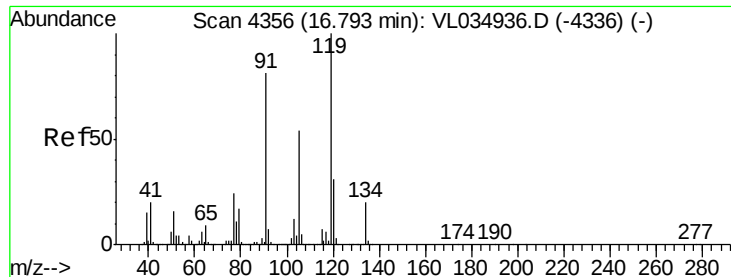
Tgt Ion: 120 Resp: 1109332

Ion Ratio Lower Upper

120 100

91 467.0 373.5 560.3





#65

tert-Butylbenzene

Concen: 9.824 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

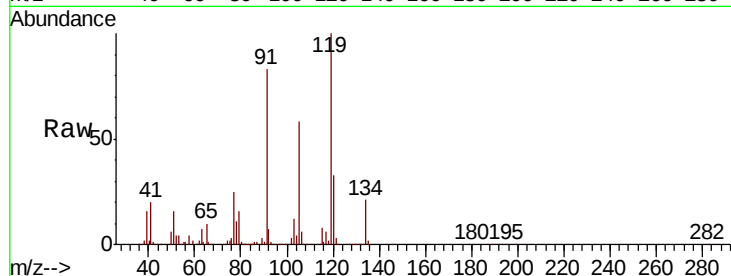
Tot Ion:119 Resp: 3638650

Ion Ratio Lower Upper

119 100

91 84.9 67.5 101.3

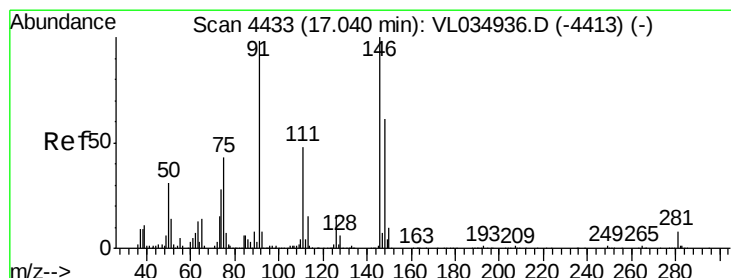
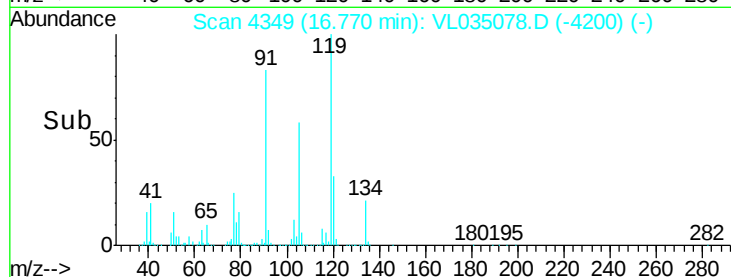
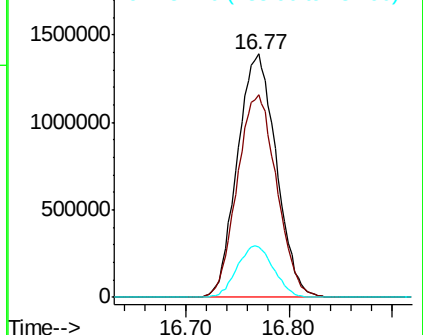
134 20.0 16.1 24.1



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.957 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

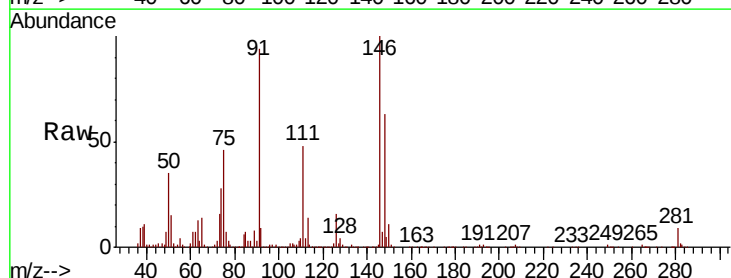
Tgt Ion: 91 Resp: 1377642

Ion Ratio Lower Upper

91 100

126 16.4 13.8 20.6

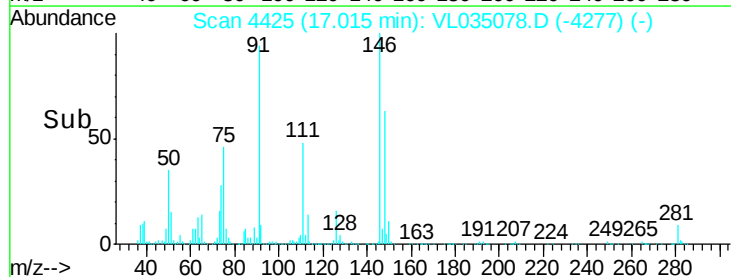
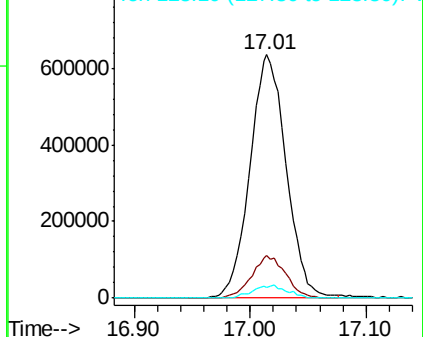
128 5.2 4.3 6.5

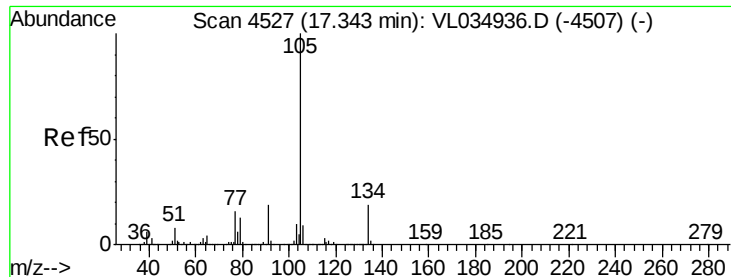


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.813 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

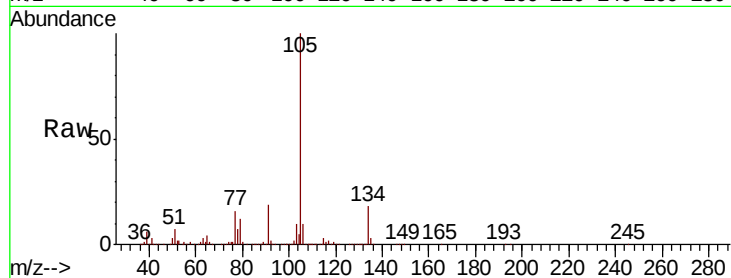
VSTDCCC010

Tot Ion:105 Resp: 5187900

Ion Ratio Lower Upper

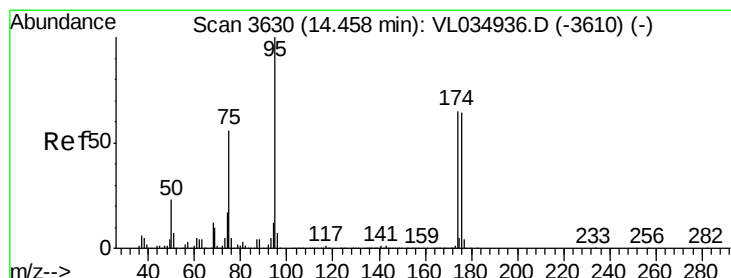
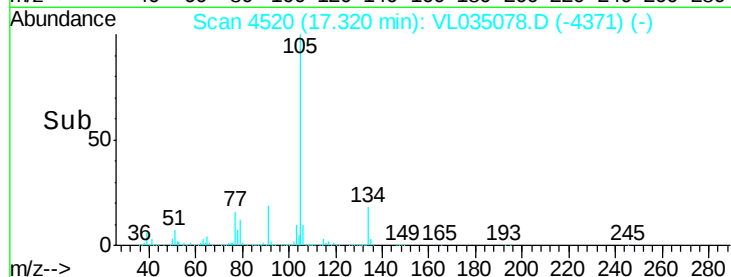
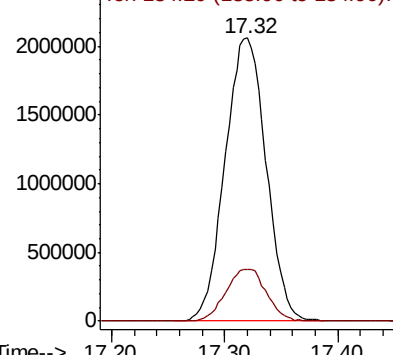
105 100

134 18.2 14.8 22.2



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: 9.903 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

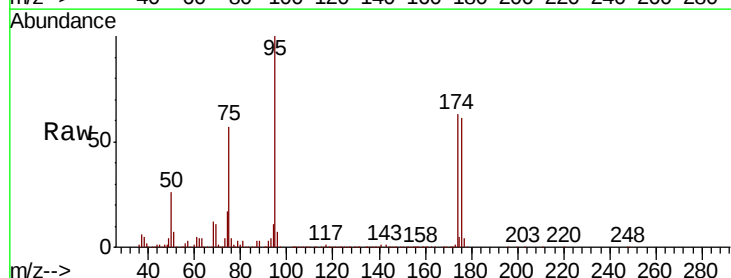
Tgt Ion: 95 Resp: 2135533

Ion Ratio Lower Upper

95 100

174 63.5 51.5 77.3

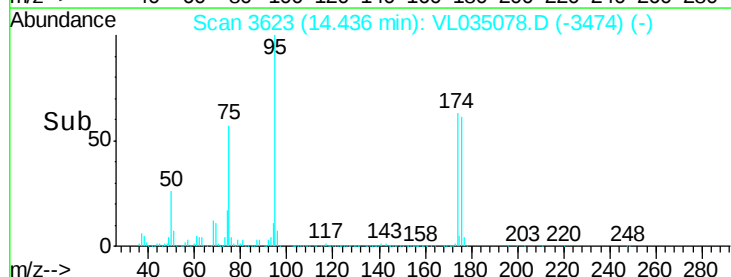
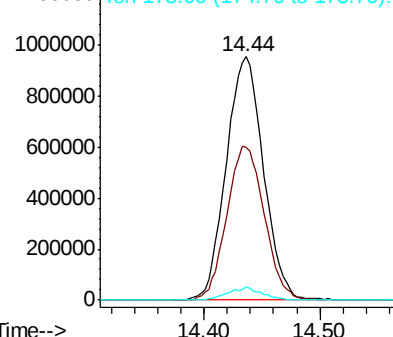
175 4.8 3.8 5.8

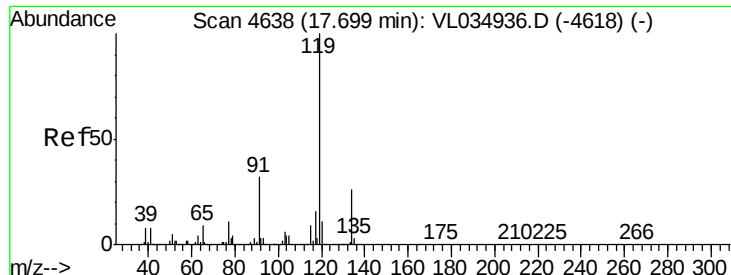


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.861 ppbv

RT: 17.67 min Scan# 4630

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

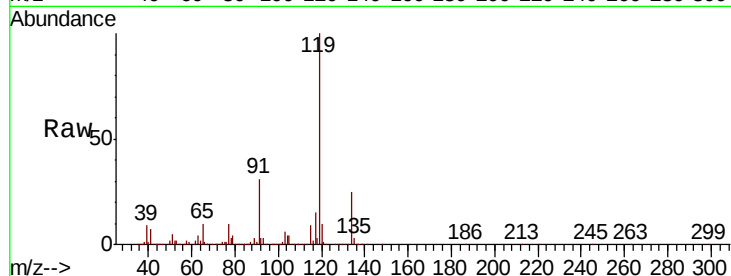
Tot Ion:119 Resp: 4217902

Ion Ratio Lower Upper

119 100

134 25.9 20.3 30.5

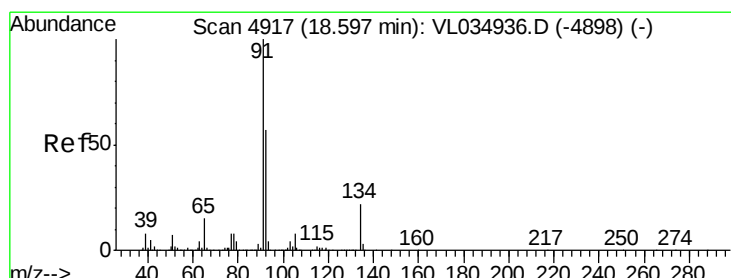
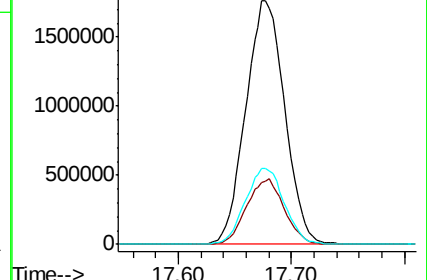
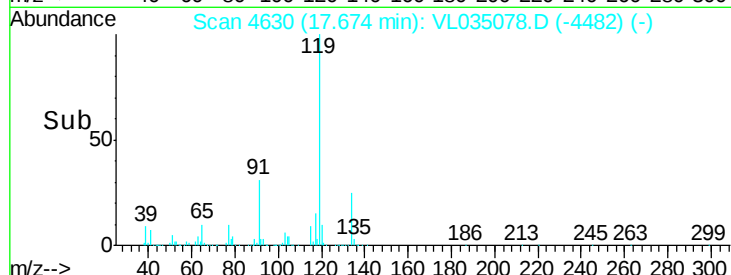
91 31.3 24.6 36.8



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.871 ppbv

RT: 18.58 min Scan# 4911

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

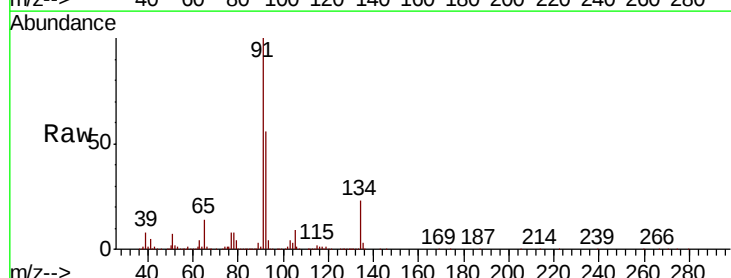
Tgt Ion: 91 Resp: 4493879

Ion Ratio Lower Upper

91 100

92 54.9 44.4 66.6

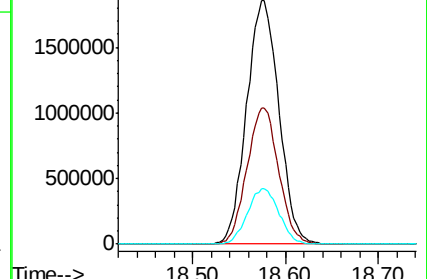
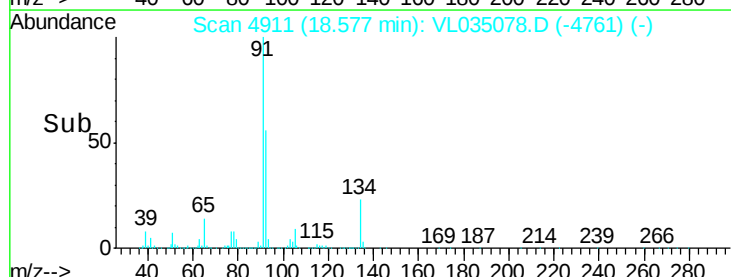
134 22.2 18.0 27.0

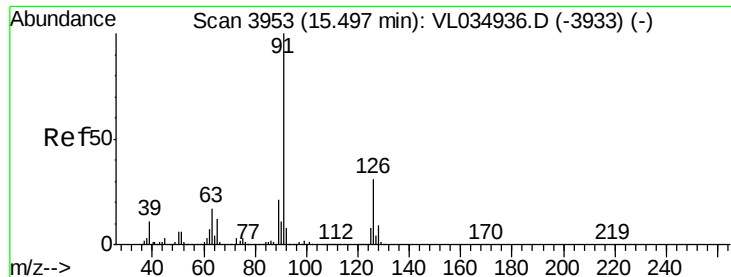


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.110 ppbv

RT: 15.47 min Scan# 3946

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

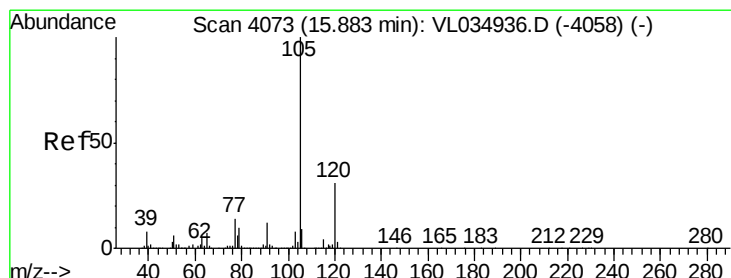
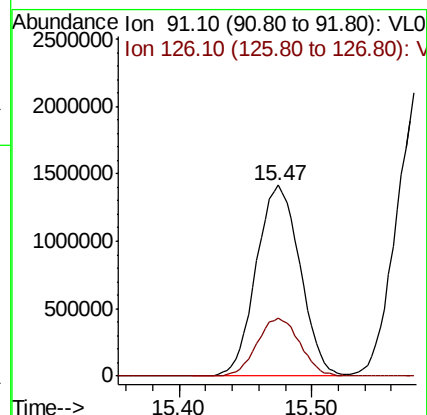
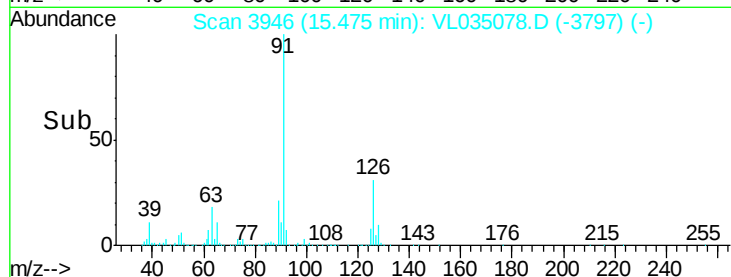
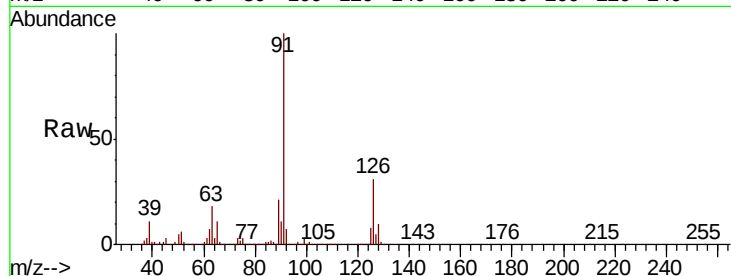
VSTDCCC010

Tot Ion: 91 Resp: 3258782

Ion Ratio Lower Upper

91 100

126 29.9 12.0 47.8



#72

4-Ethyltoluene

Concen: 10.464 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion:105 Resp: 3338989

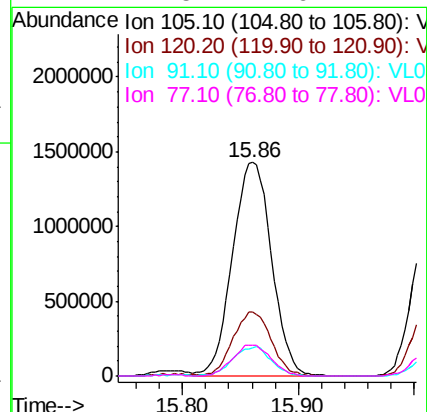
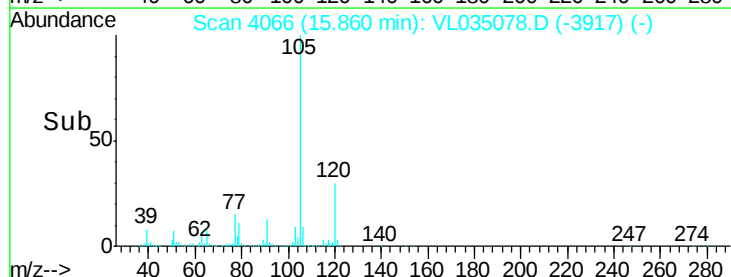
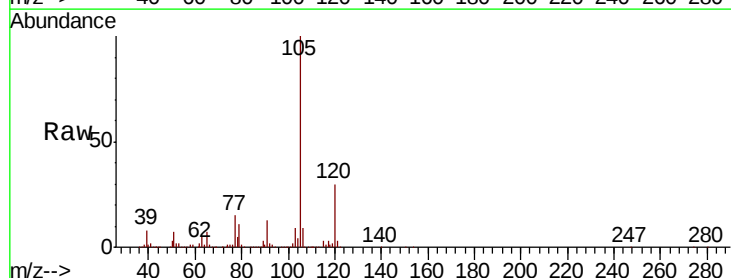
Ion Ratio Lower Upper

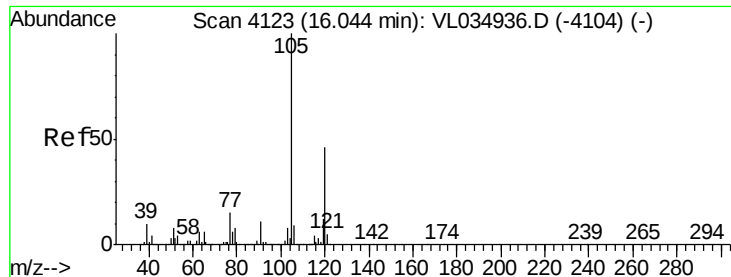
105 100

120 29.3 23.8 35.8

91 13.5 10.6 15.8

77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 10.021 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

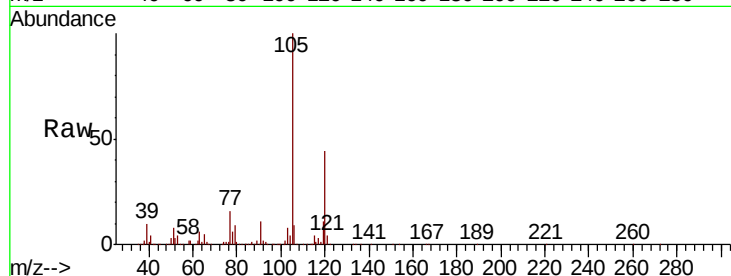
VSTDCCC010

Tot Ion:105 Resp: 3112022

Ion Ratio Lower Upper

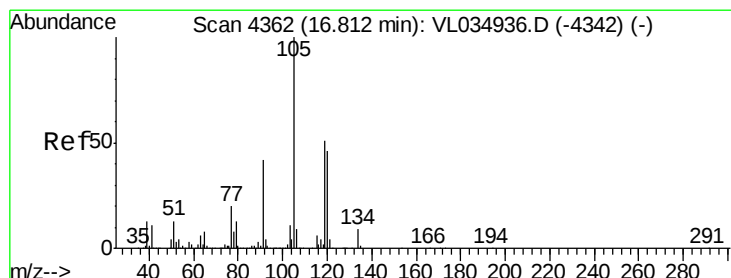
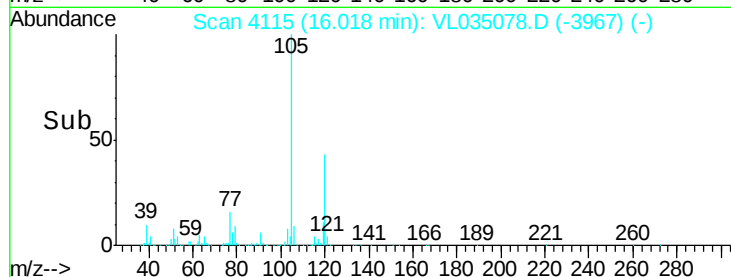
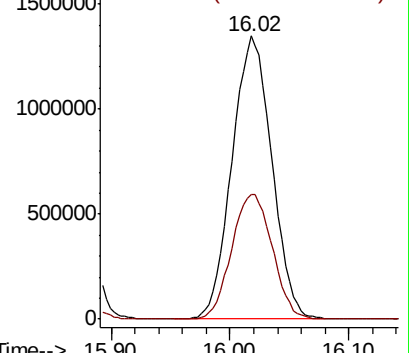
105 100

120 43.9 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.450 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion:105 Resp: 3203263

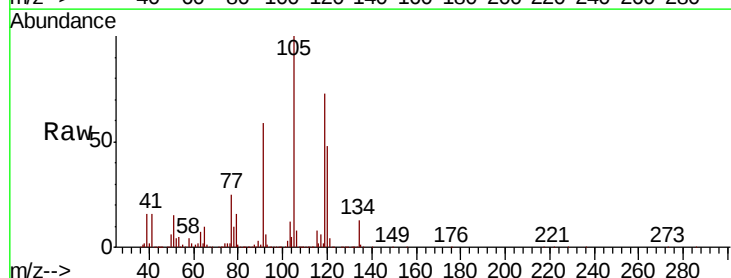
Ion Ratio Lower Upper

105 100

120 47.5 36.8 55.2

91 58.5 35.4 53.0#

77 24.8 16.2 24.2#

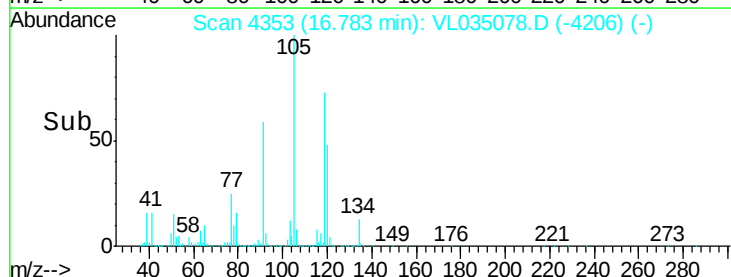
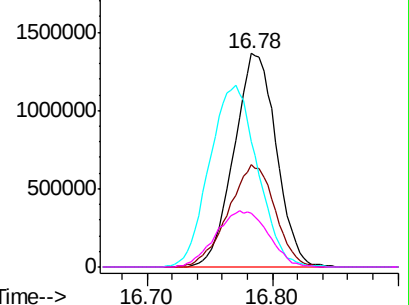


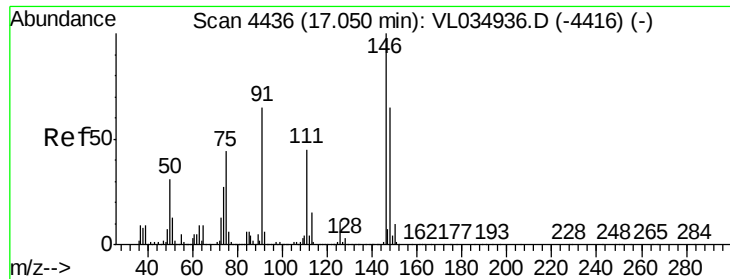
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.247 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

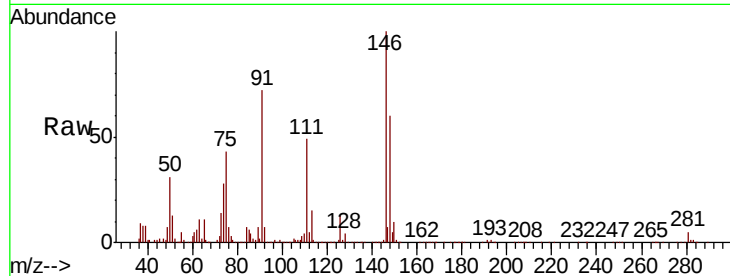
Tot Ion:146 Resp: 1840505

Ion Ratio Lower Upper

146 100

111 48.4 24.0 72.0

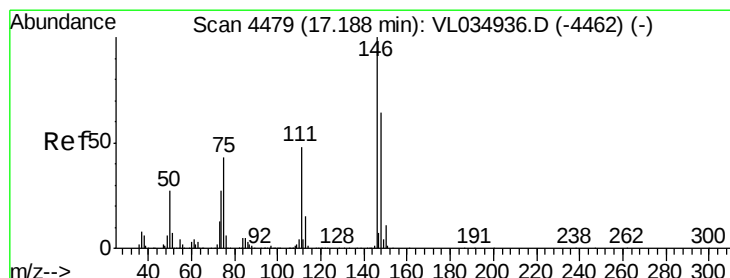
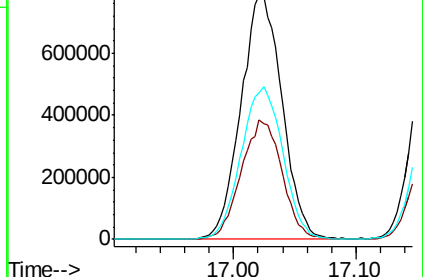
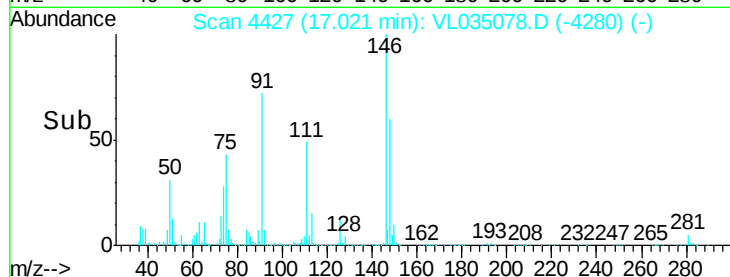
148 63.2 32.6 97.7



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: 9.663 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

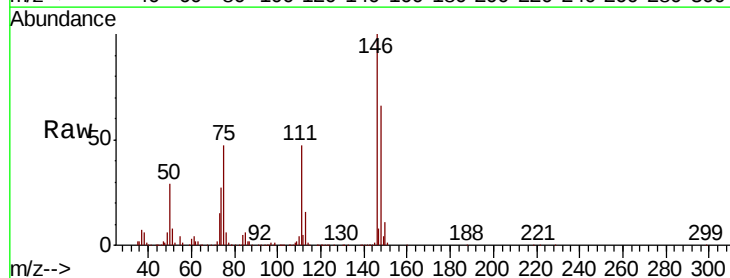
Tgt Ion:146 Resp: 1827425

Ion Ratio Lower Upper

146 100

111 46.7 23.7 71.1

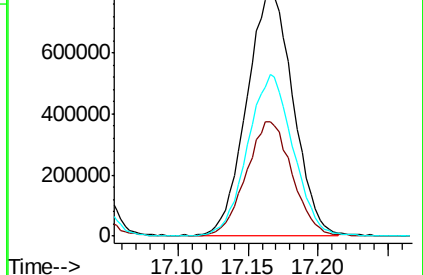
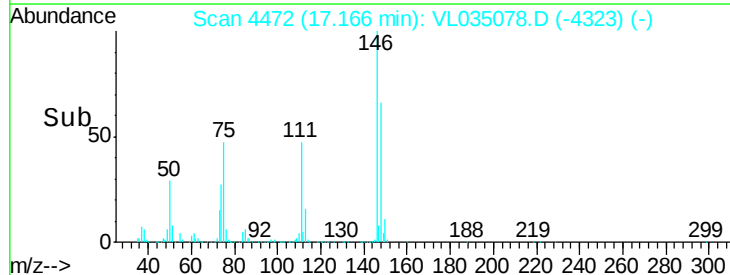
148 65.2 32.6 97.8

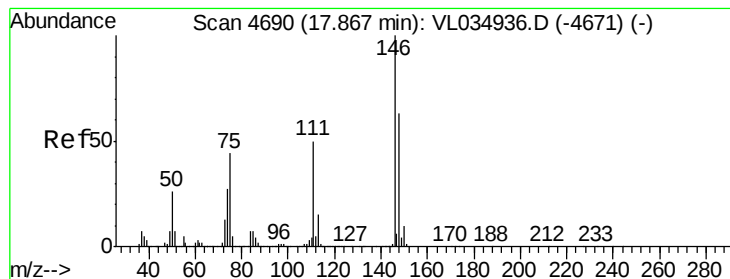


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.397 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

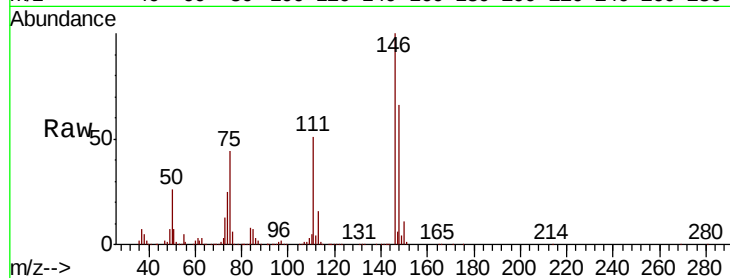
Tot Ion:146 Resp: 1762318

Ion Ratio Lower Upper

146 100

111 49.3 24.5 73.5

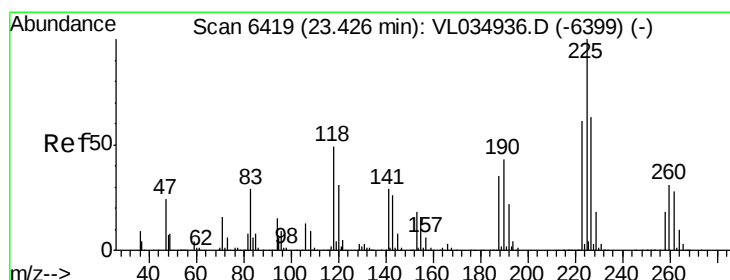
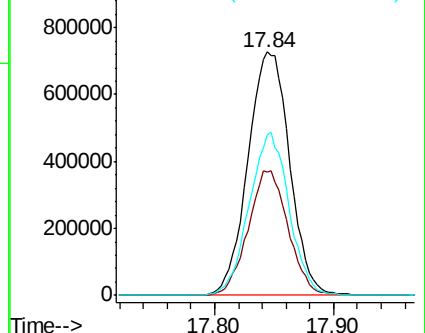
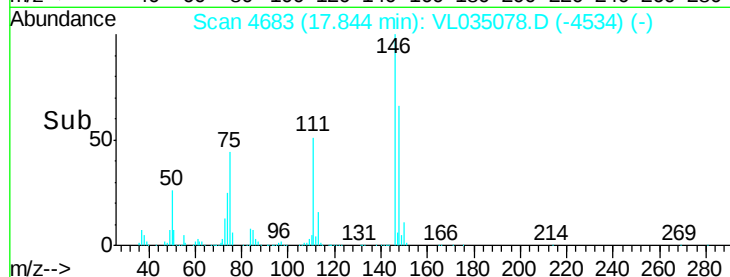
148 63.9 31.7 95.1



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: 9.368 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

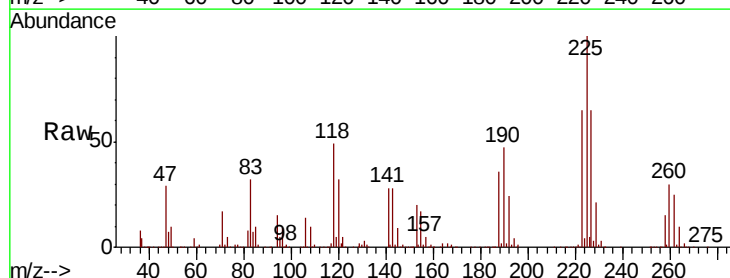
Tgt Ion:225 Resp: 1497568

Ion Ratio Lower Upper

225 100

223 64.1 49.8 74.8

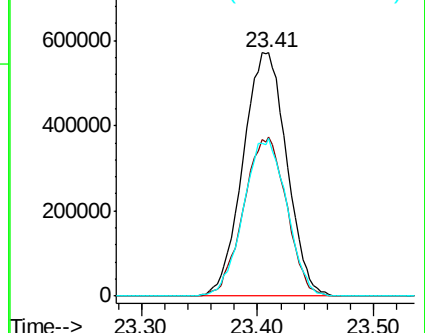
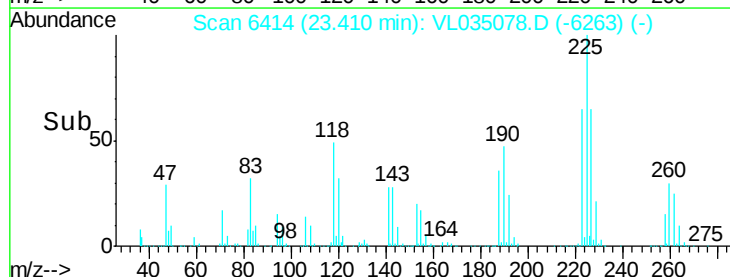
227 63.8 51.8 77.6

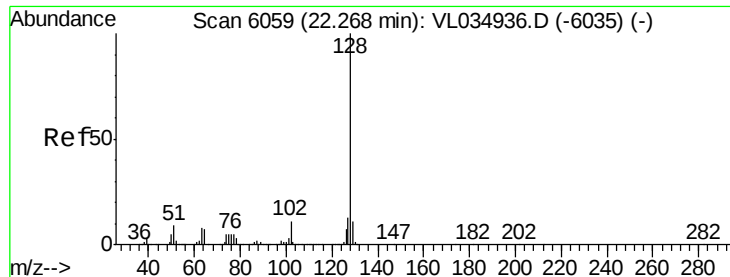


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.057 ppbv

RT: 22.24 min Scan# 6050

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

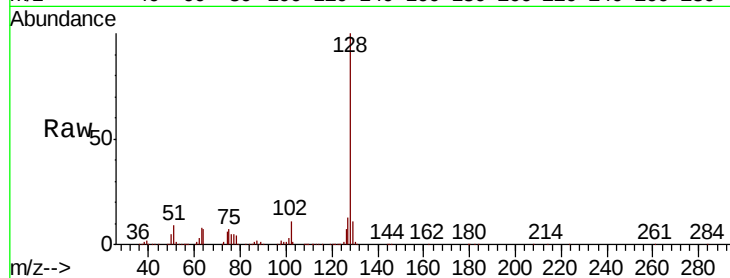
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3182559

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.2	9.0	13.4

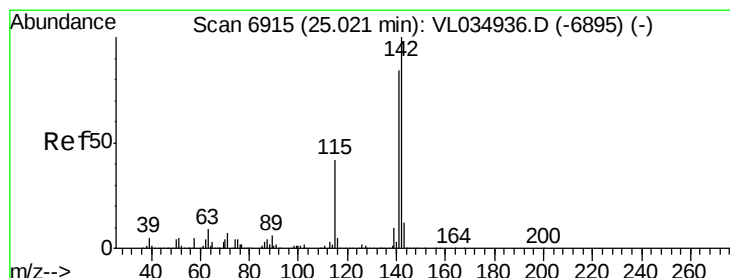
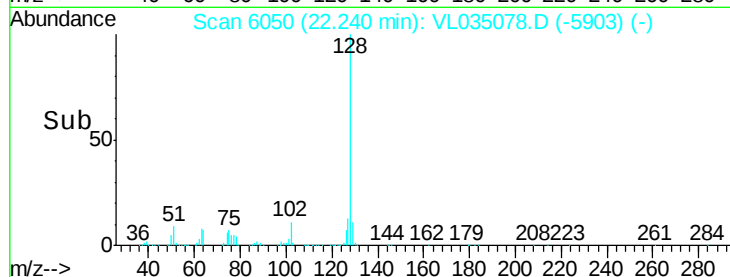
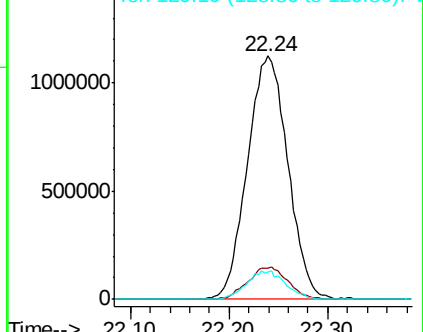


Abundance

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: 22.572 ppbv

RT: 25.00 min Scan# 6908

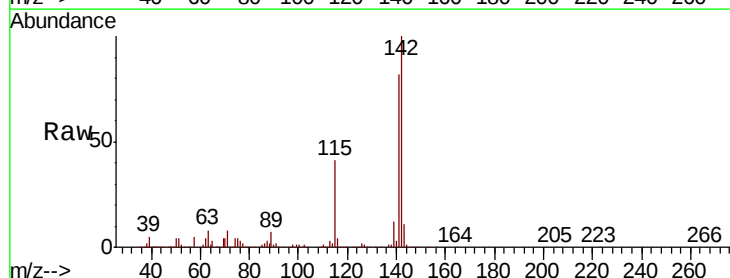
Delta R.T. -0.02 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Tgt Ion:142 Resp: 1464584

Ion	Ratio	Lower	Upper
142	100		
141	82.0	68.6	102.8
115	41.9	33.9	50.9

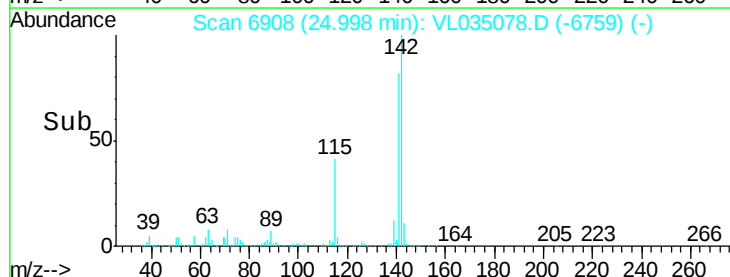
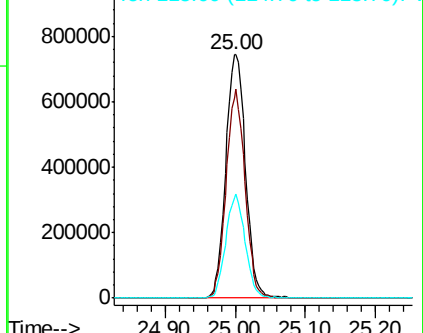


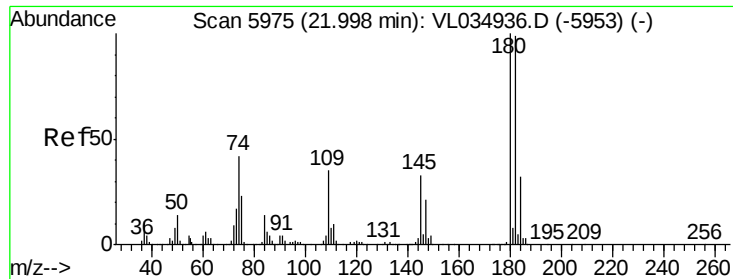
Abundance

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: 10.478 ppbv m

RT: 21.97 min Scan# 5965

Delta R.T. -0.03 min

Lab File: VL035078.D

Acq: 22 May 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:180 Resp: 1677152

Ion Ratio Lower Upper

180 100

182 96.3 77.5 116.3

184 30.5 24.8 37.2

