

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035221.D
 Acq On : 21 Jul 2020 23:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 22 00:50:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1213548	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2876570	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2874692	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2251628	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1243058	7.309	ppbv 98
3) Chlorodifluoromethane	2.94	51	1252165	9.341	ppbv 100
4) Chloromethane	3.10	50	710018	9.398	ppbv 97
5) Vinyl Chloride	3.21	62	724292	8.971	ppbv 99
6) Bromomethane	3.43	94	457901	9.994	ppbv 97
7) Chloroethane	3.52	64	277388	9.719	ppbv 98
8) Dichlorotetrafluoroethane	3.14	85	1682439	9.026	ppbv 100
9) Propene	2.96	41	504924	9.967	ppbv 100
10) Heptane	8.13	43	1441042	11.080	ppbv 100
11) Trichlorofluoromethane	3.92	101	1804039	9.393	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1262421	9.360	ppbv 100
13) Ethanol	3.57	45	123232	7.641	ppbv 94
14) Bromoethene	3.70	108	548322	9.878	ppbv 100
15) Acetone	3.81	43	1354869	8.247	ppbv 98
16) 1,3-Butadiene	3.28	39	650788	10.319	ppbv 100
17) tert-Butyl alcohol	4.26	59	1528776	10.517	ppbv 99
18) 1,1-Dichloroethene	4.26	96	584800	9.792	ppbv 99
19) Isopropyl Alcohol	3.93	45	1009182	10.182	ppbv 99
20) Methylene Chloride	4.31	84	520113	7.276	ppbv 98
21) Allyl Chloride	4.38	41	951291	9.948	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	568071	9.528	ppbv 95
23) Vinyl Acetate	5.05	43	1836469	10.326	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1484075	9.717	ppbv 99
25) Ethyl Acetate	5.66	43	2536714	9.949	ppbv 100
26) Hexane	5.67	57	1124591	10.004	ppbv 99
27) Carbon Disulfide	4.52	76	1533221	9.767	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1748322	10.208	ppbv 100
29) Chloroform	5.74	83	1813288	9.621	ppbv 94
30) Cyclohexane	7.13	84	935710	11.249	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1118395	10.518	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	1780298	9.425	ppbv 99
34) 2-Butanone	5.22	43	1549355	10.091	ppbv 99
35) Carbon Tetrachloride	7.02	117	1840676	9.858	ppbv 97
36) Benzene	6.89	78	2221113	10.669	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1406161	10.064	ppbv 99
38) Trichloroethene	7.84	130	893651	10.534	ppbv 97
39) 1,2-Dichloropropane	7.62	63	870179	10.510	ppbv 98
40) 1,4-Dioxane	7.83	88	325350	9.871	ppbv # 1
41) Tetrahydrofuran	6.03	42	849695	11.060	ppbv 99
42) Bromodichloromethane	7.80	83	1937250	10.383	ppbv 100
43) Methyl Methacrylate	8.02	69	1028315	11.684	ppbv 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035221.D
 Acq On : 21 Jul 2020 23:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 22 00:50:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

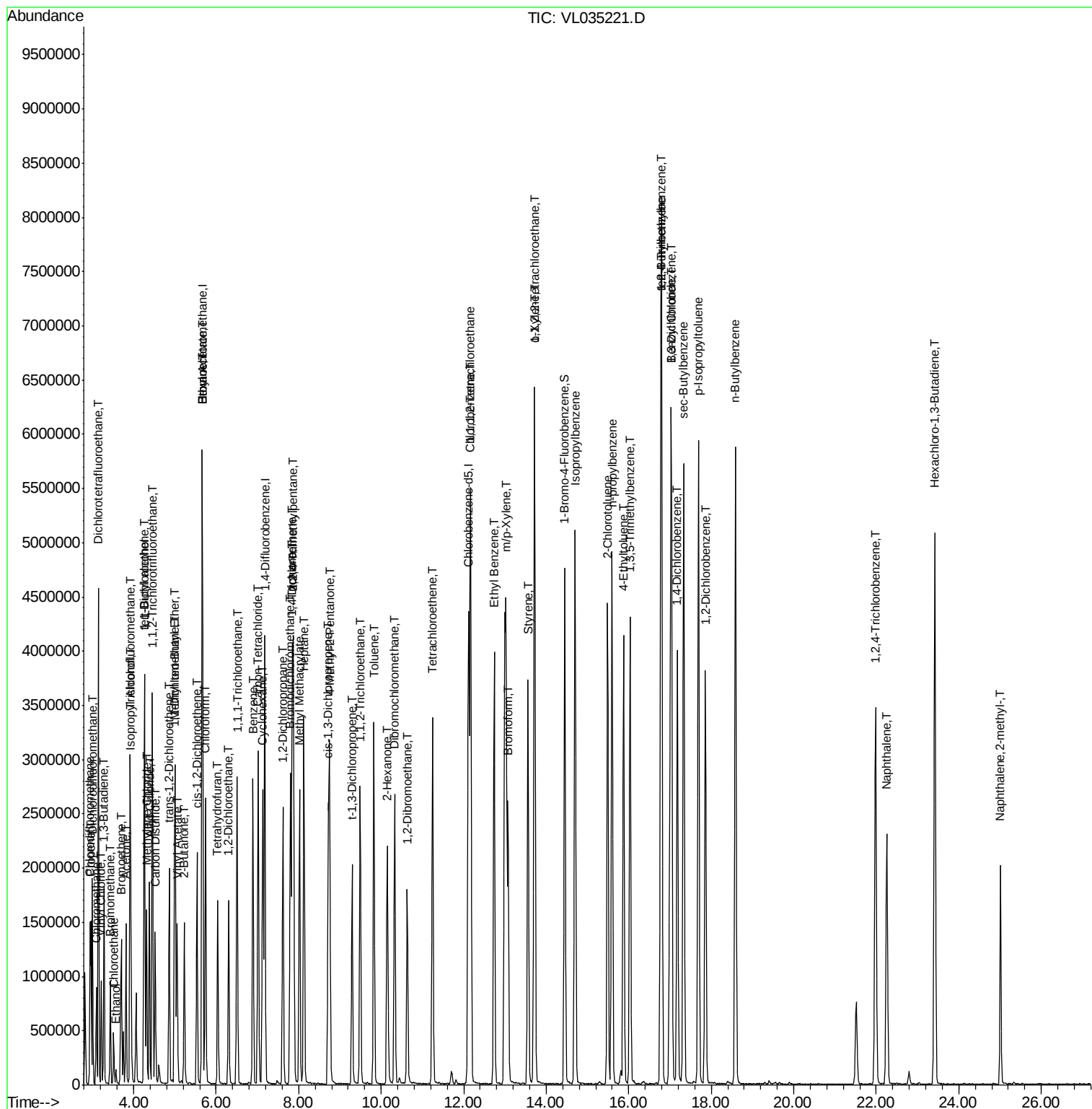
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3849817	10.713	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1139584	12.325	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1351101	12.326	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	955912	10.548	ppbv	97
48) Dibromochloromethane	10.32	129	1616215	10.961	ppbv	99
49) Bromoform	13.08	173	1459477	11.315	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2430381	11.030	ppbv	100
51) 2-Hexanone	10.15	43	1976605	11.764	ppbv #	100
52) Tetrachloroethene	11.25	164	812631	10.450	ppbv	95
53) Toluene	9.83	91	2605006	11.856	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1443519	10.733	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1254021	9.846	ppbv	98
57) Chlorobenzene	12.18	112	2052558	9.688	ppbv	98
58) Ethyl Benzene	12.74	91	3532588	11.118	ppbv	99
59) m/p-Xylene	13.02	91	3164828	11.176	ppbv #	36
60) o-Xylene	13.73	91	3000261	10.619	ppbv	100
61) Styrene	13.56	104	2106475	12.066	ppbv	99
62) Isopropylbenzene	14.70	105	4407940	10.526	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2189288	9.273	ppbv	99
64) n-propylbenzene	15.60	120	1177577	10.885	ppbv	99
65) tert-Butylbenzene	16.78	119	3936251	10.465	ppbv	100
66) Benzyl Chloride	17.03	91	1632309	12.181	ppbv	100
67) sec-Butylbenzene	17.33	105	5629895	10.267	ppbv	99
69) p-Isopropyltoluene	17.69	119	4633153	10.780	ppbv	100
70) n-Butylbenzene	18.59	91	4925222	10.809	ppbv	100
71) 2-Chlorotoluene	15.49	91	3457454	10.911	ppbv	100
72) 4-Ethyltoluene	15.88	105	3518227	11.052	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3341056	10.883	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3502532	10.324	ppbv	99
75) 1,3-Dichlorobenzene	17.04	146	2026598	9.433	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2034015	10.187	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1943013	10.045	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1426842	9.334	ppbv	99
79) Naphthalene	22.26	128	2903918	13.228	ppbv	97
80) Naphthalene, 2-methyl-	25.01	142	1079410	20.816	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	1620578	11.653	ppbv	99

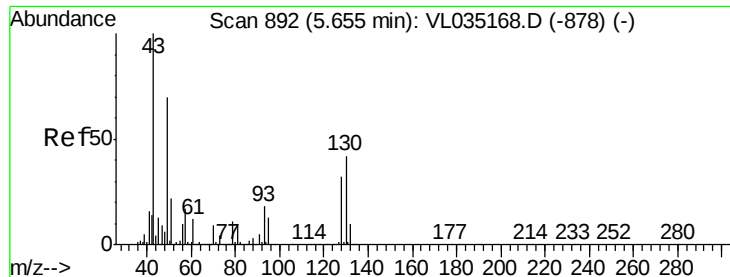
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072120\
Data File : VL035221.D
Acq On : 21 Jul 2020 23:37
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Jul 22 00:50:27 2020
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
Qlast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

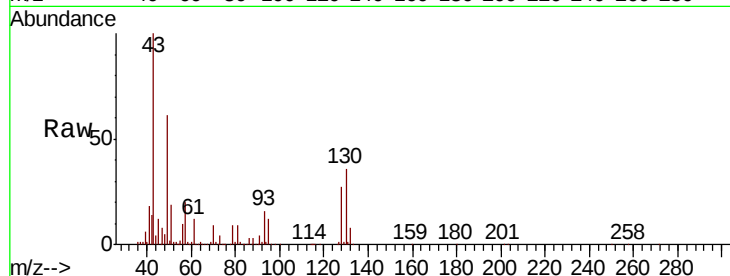
Tot Ion: 49 Resp: 1213548

Ion Ratio Lower Upper

49 100

128 46.7 23.8 71.4

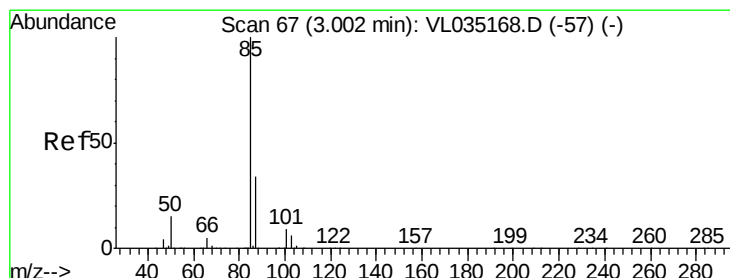
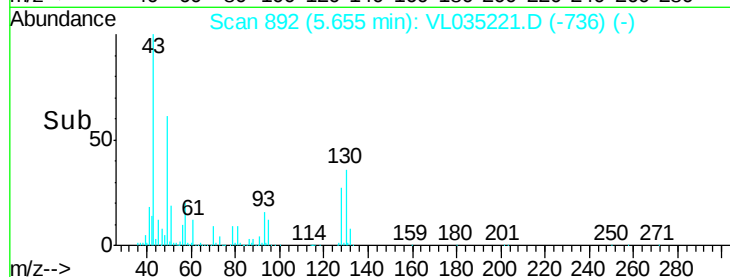
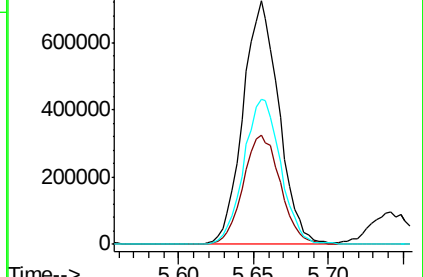
130 61.3 29.9 89.8



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: 7.309 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035221.D

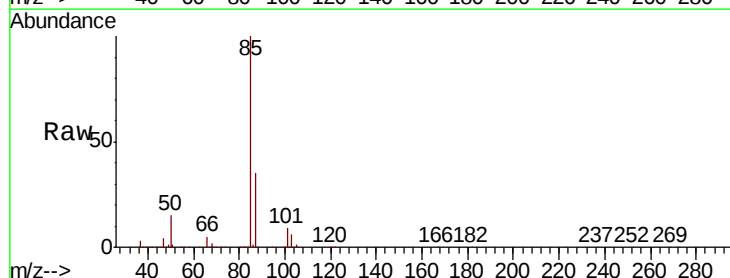
Acq: 21 Jul 2020 23:37

Tgt Ion: 85 Resp: 1243058

Ion Ratio Lower Upper

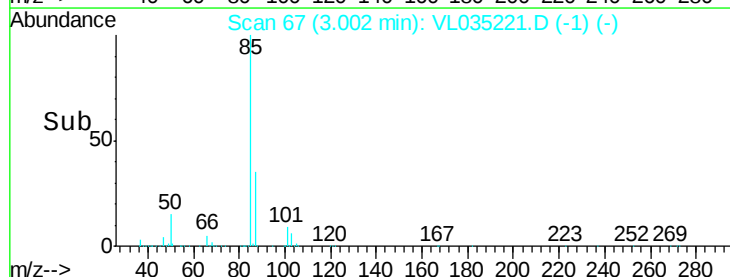
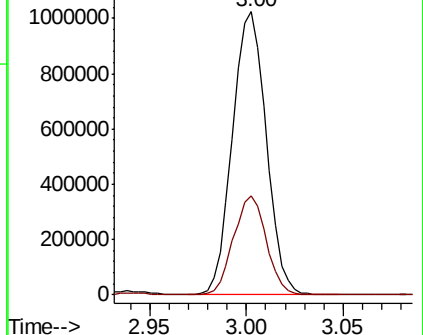
85 100

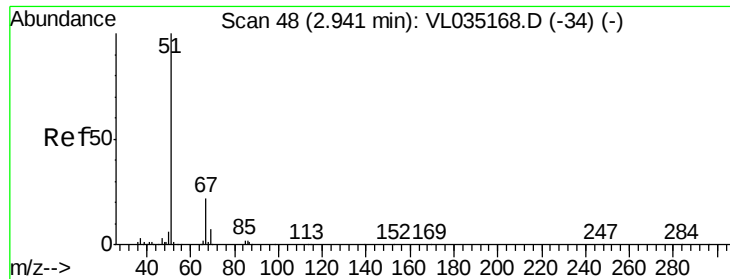
87 34.8 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

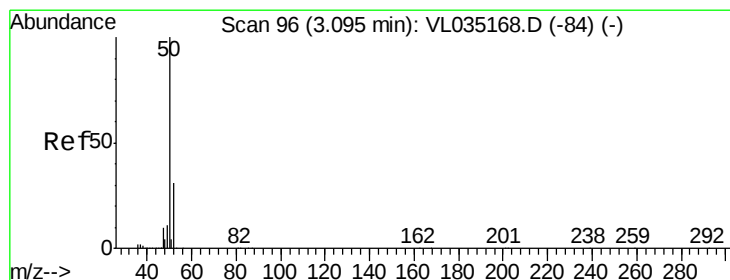
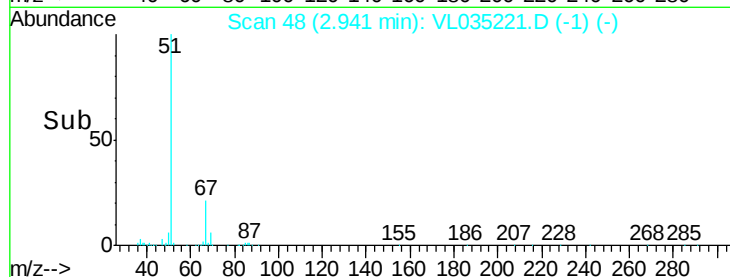
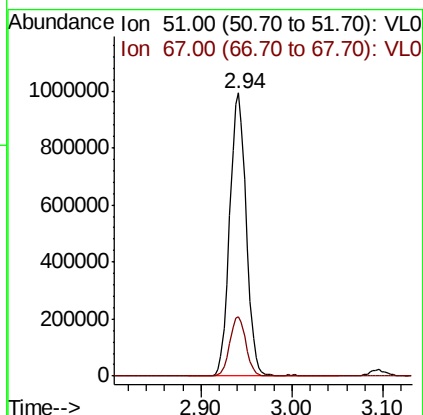
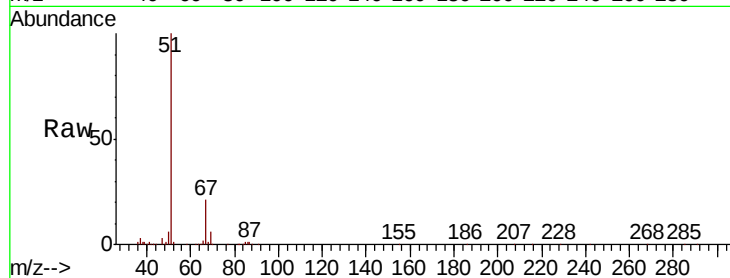




#3
Chlorodifluoromethane
Concen: 9.341 ppbv
RT: 2.94 min Scan# 48
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

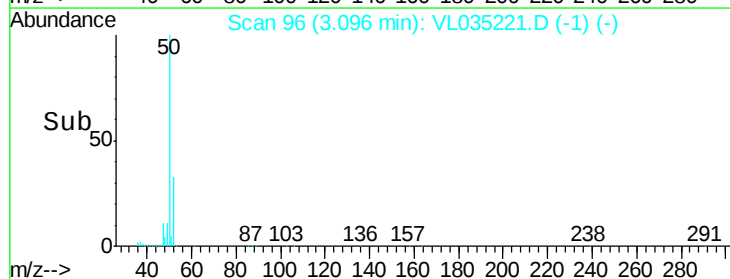
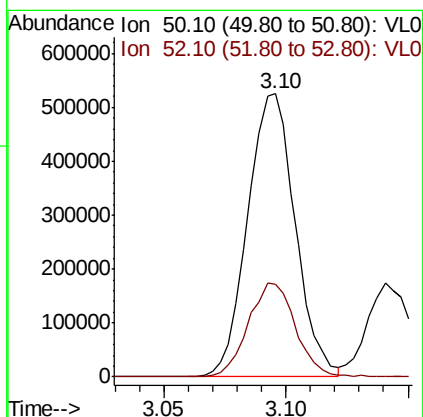
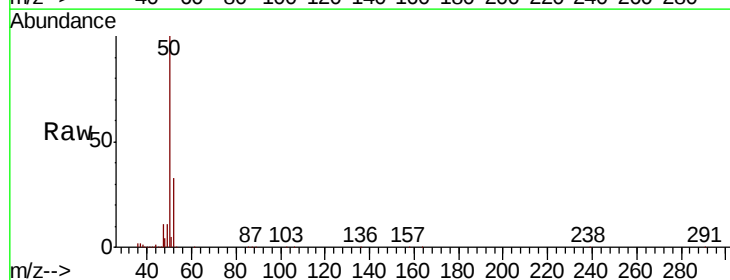
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

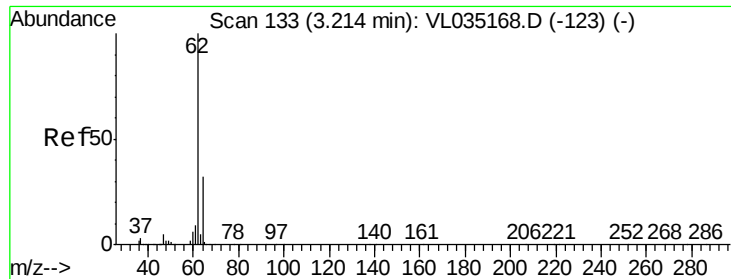
Tot Ion: 51 Resp: 1252165
Ion Ratio Lower Upper
51 100
67 20.5 16.6 24.8



#4
Chloromethane
Concen: 9.398 ppbv
RT: 3.10 min Scan# 96
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 50 Resp: 710018
Ion Ratio Lower Upper
50 100
52 32.9 25.0 37.6





#5

Vinyl Chloride

Concen: 8.971 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

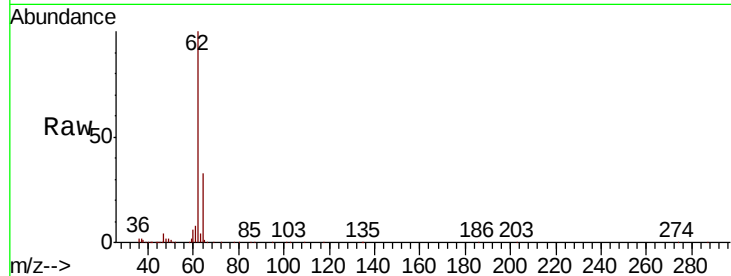
VSTDCCC010EC

Tot Ion: 62 Resp: 724292

Ion Ratio Lower Upper

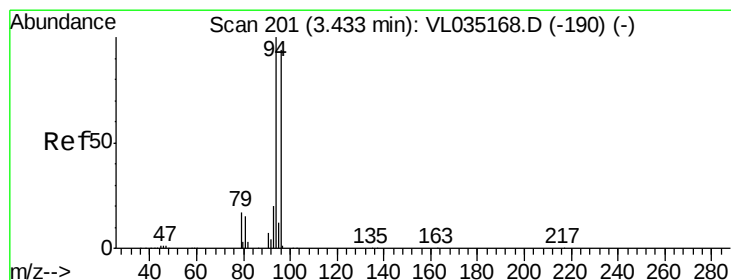
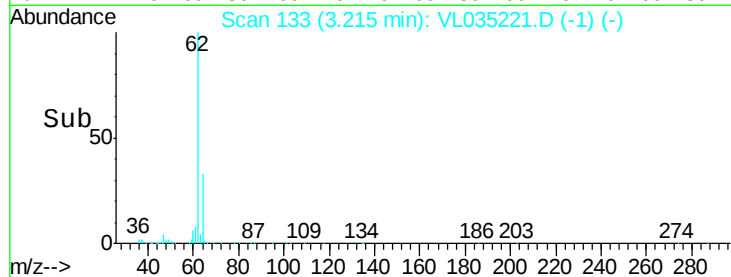
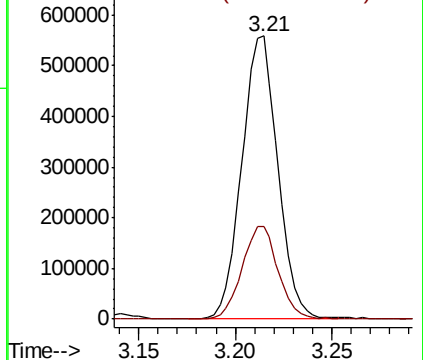
62 100

64 32.7 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.994 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035221.D

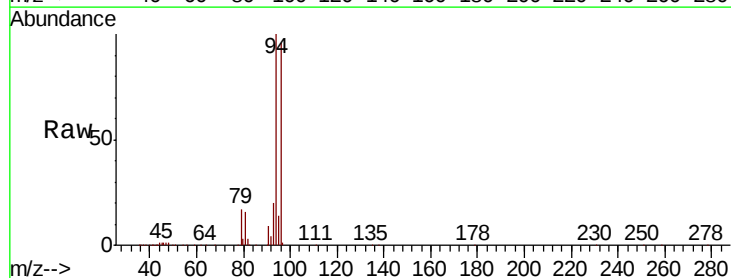
Acq: 21 Jul 2020 23:37

Tgt Ion: 94 Resp: 457901

Ion Ratio Lower Upper

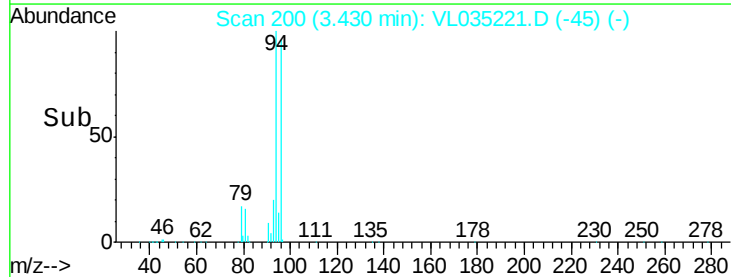
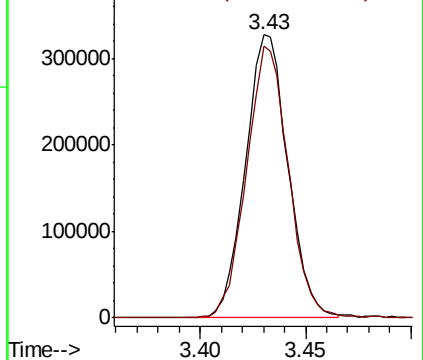
94 100

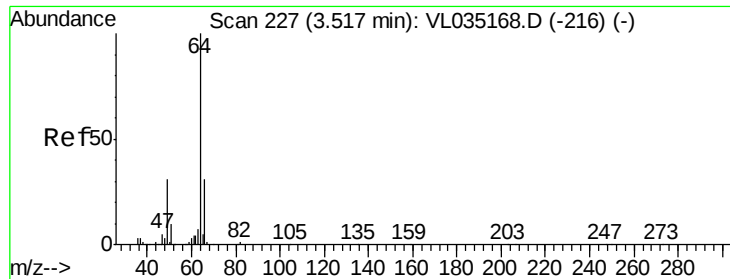
96 96.0 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.719 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

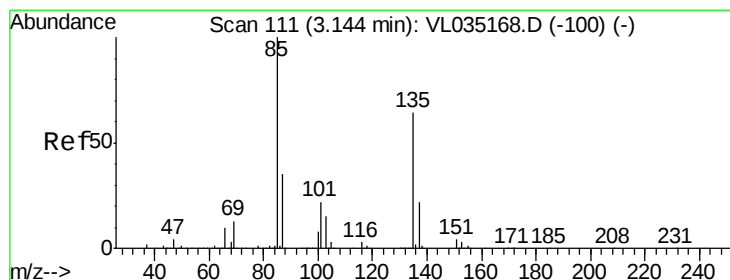
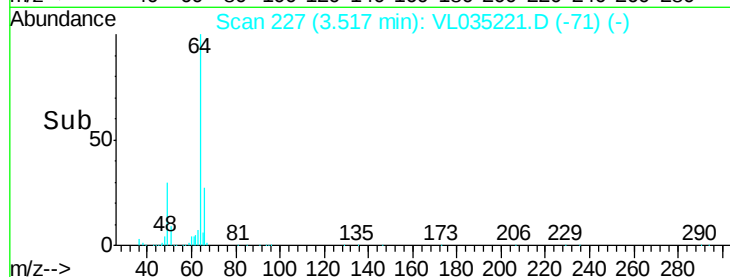
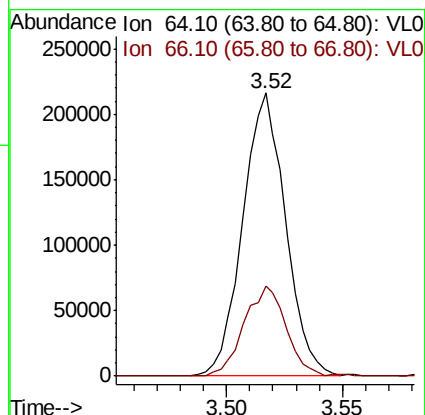
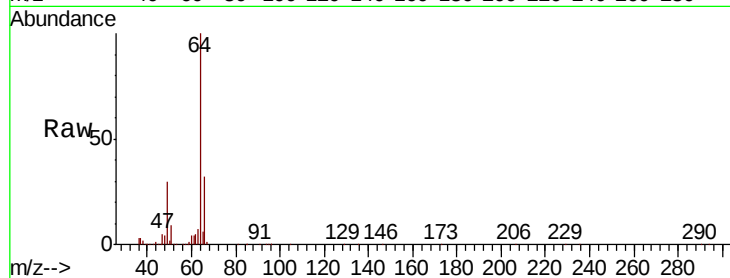
VSTDCCC010EC

Tot Ion: 64 Resp: 277388

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 9.026 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035221.D

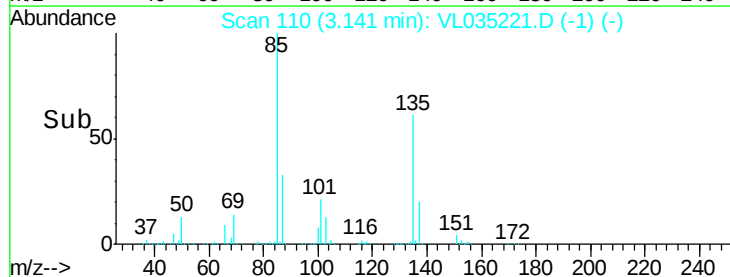
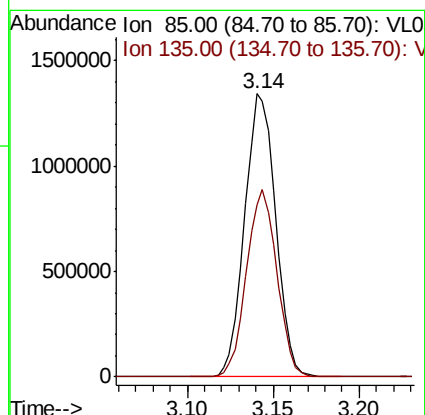
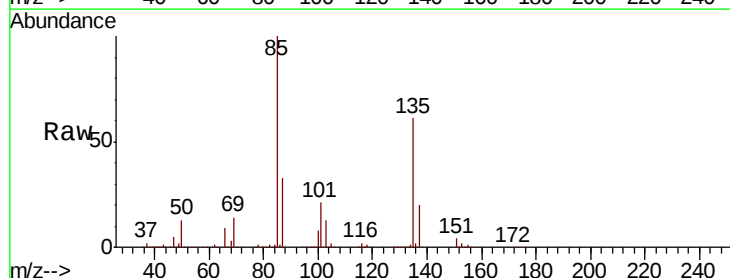
Acq: 21 Jul 2020 23:37

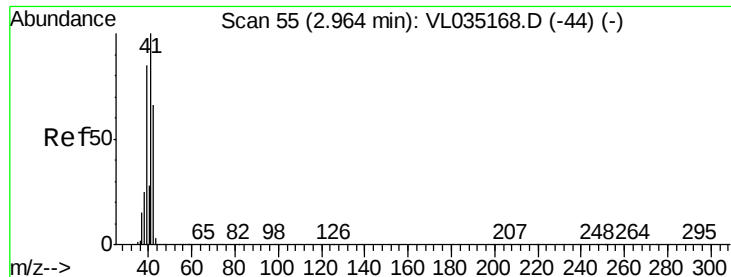
Tgt Ion: 85 Resp: 1682439

Ion Ratio Lower Upper

85 100

135 65.1 52.1 78.1





#9

Propene

Concen: 9.967 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

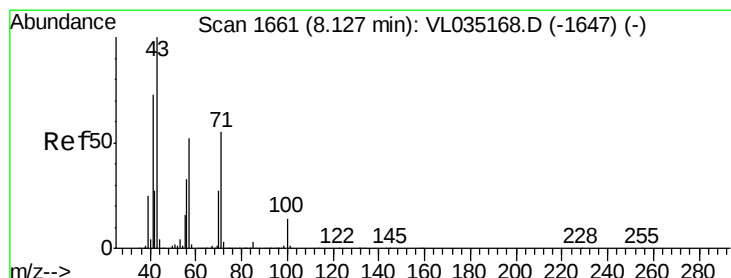
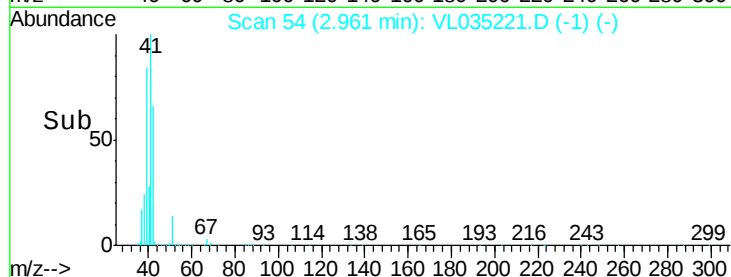
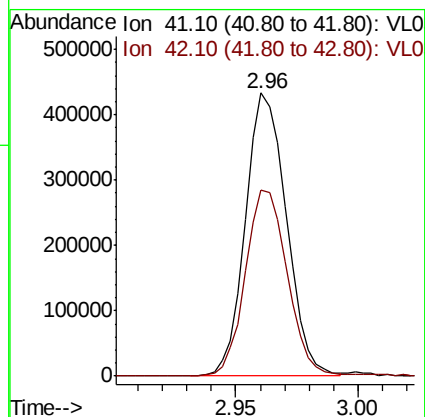
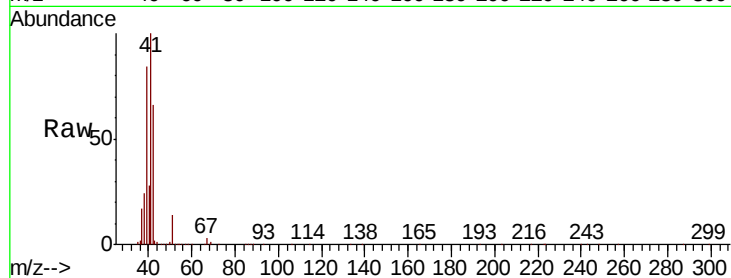
VSTDCCC010EC

Tot Ion: 41 Resp: 504924

Ion Ratio Lower Upper

41 100

42 68.1 54.6 81.8



#10

Heptane

Concen: 11.080 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035221.D

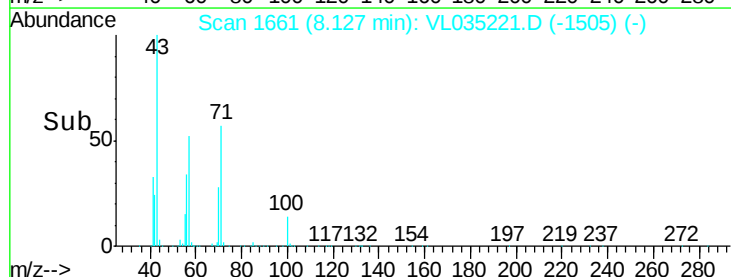
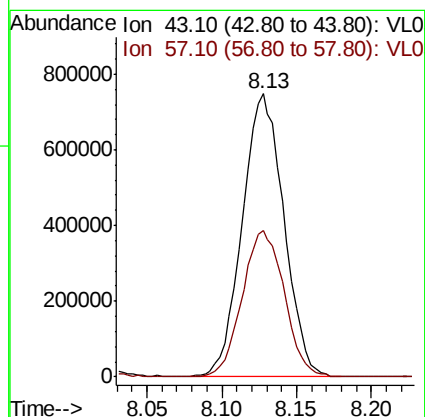
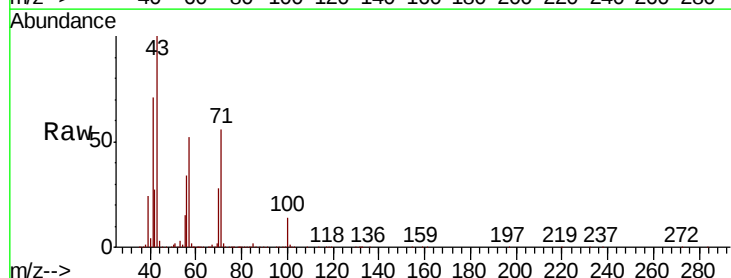
Acq: 21 Jul 2020 23:37

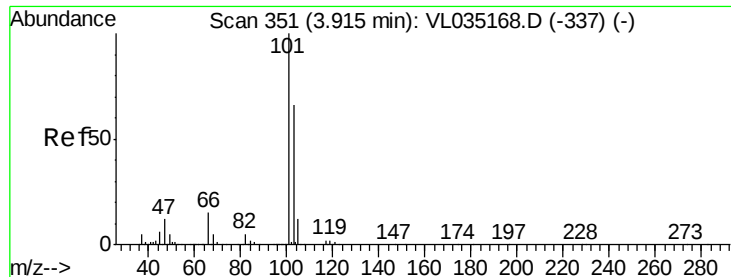
Tgt Ion: 43 Resp: 1441042

Ion Ratio Lower Upper

43 100

57 52.4 41.8 62.6

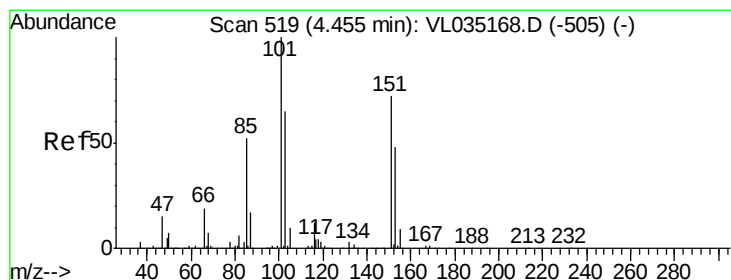
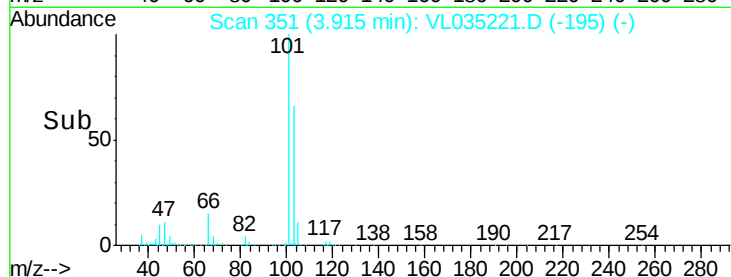
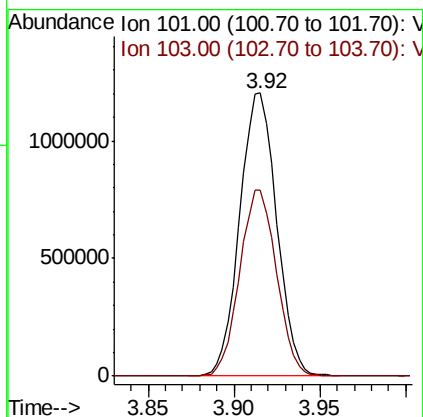
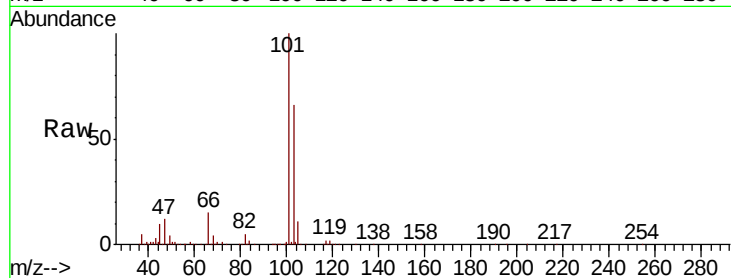




#11
 Trichlorofluoromethane
 Concen: 9.393 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

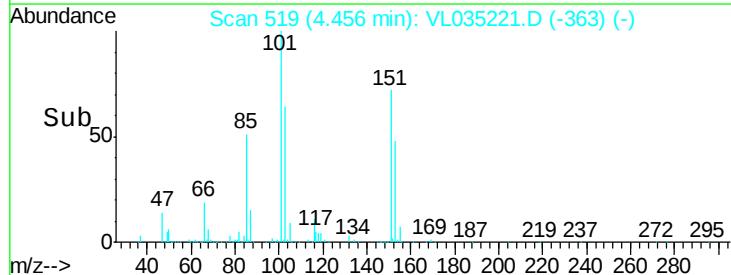
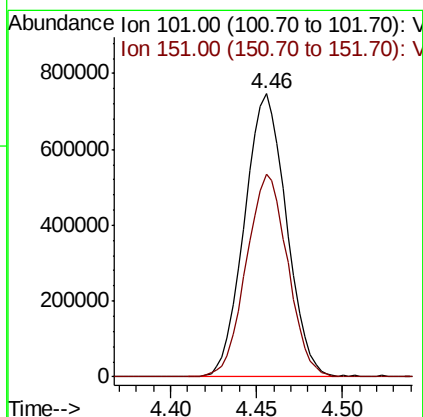
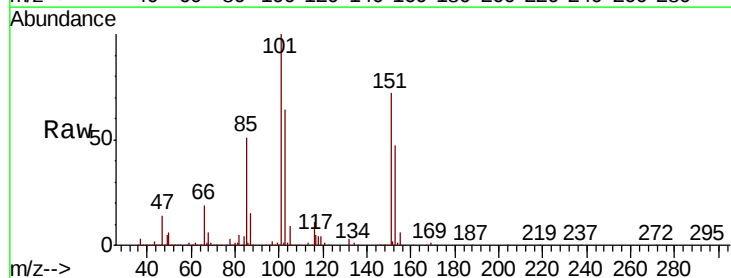
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

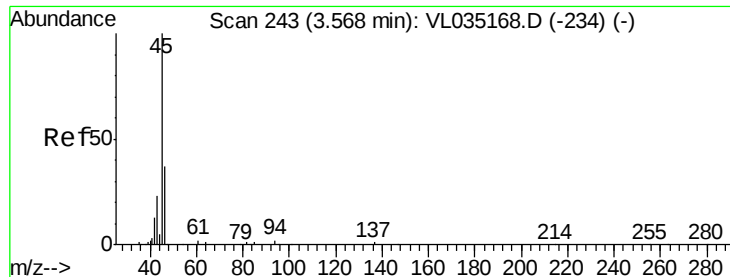
Tot Ion:101 Resp: 1804039
 Ion Ratio Lower Upper
 101 100
 103 65.8 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.360 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion:101 Resp: 1262421
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.0 85.4

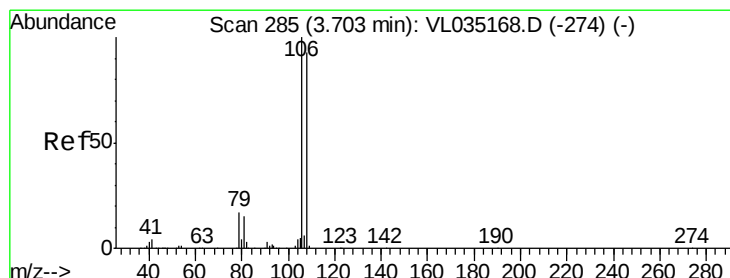
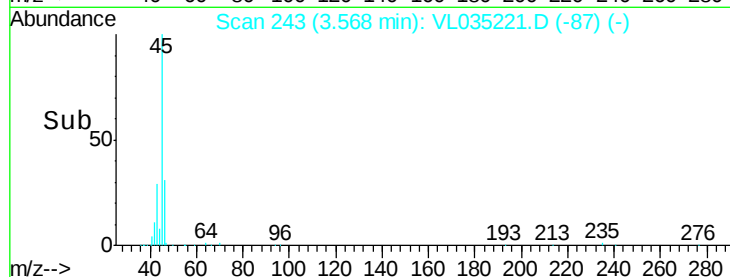
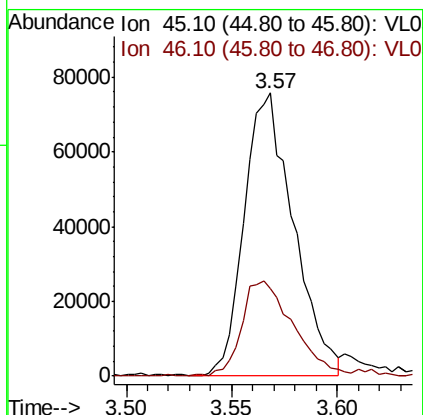
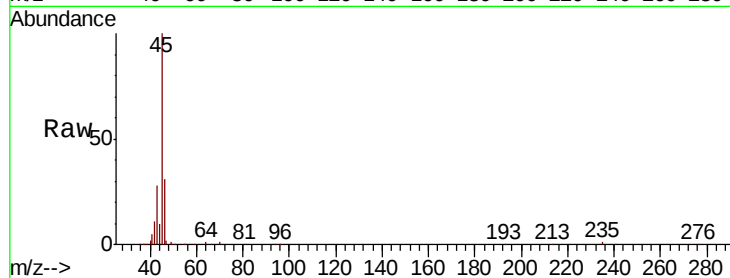




#13
Ethanol
Concen: 7.641 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

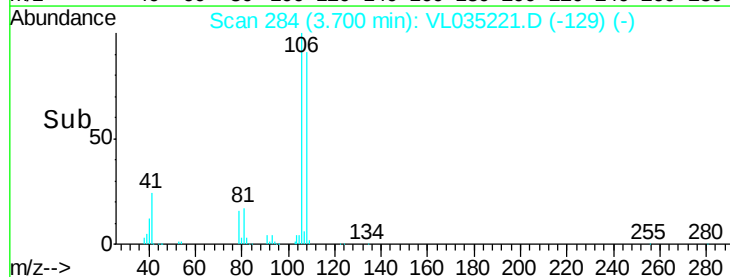
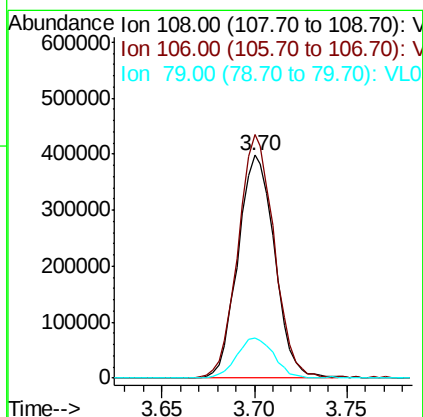
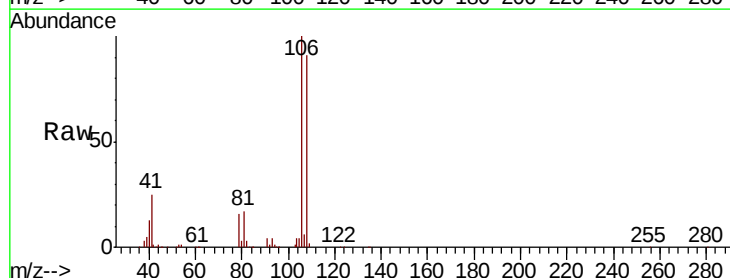
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

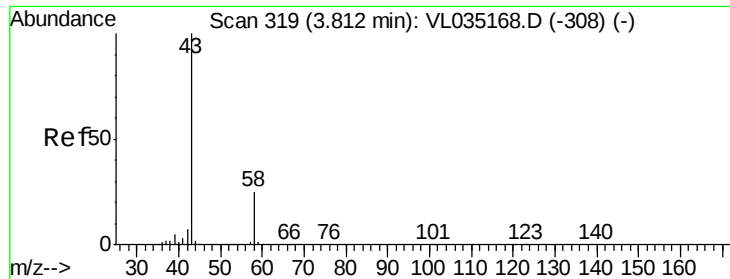
Tot Ion: 45 Resp: 123232
Ion Ratio Lower Upper
45 100
46 36.8 16.2 65.0



#14
Bromoethene
Concen: 9.878 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 108 Resp: 548322
Ion Ratio Lower Upper
108 100
106 107.4 86.2 129.2
79 18.6 15.0 22.6





#15

Acetone

Concen: 8.247 ppbv

RT: 3.81 min Scan# 319

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

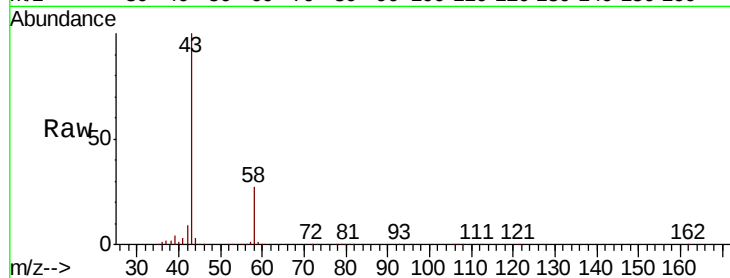
VSTDCCC010EC

Tot Ion: 43 Resp: 1354869

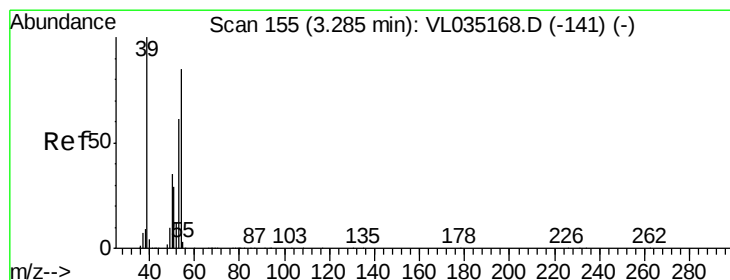
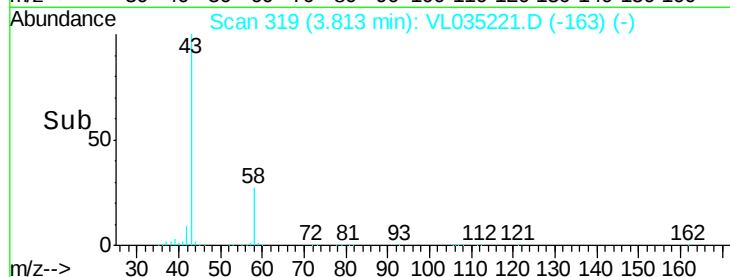
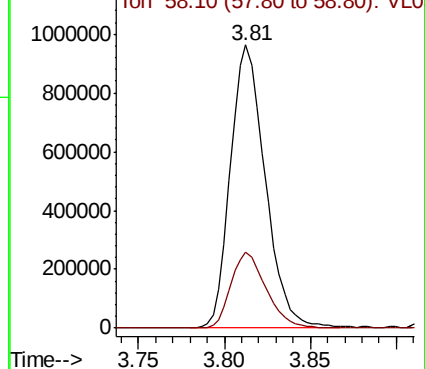
Ion Ratio Lower Upper

43 100

58 27.4 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0



#16

1,3-Butadiene

Concen: 10.319 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035221.D

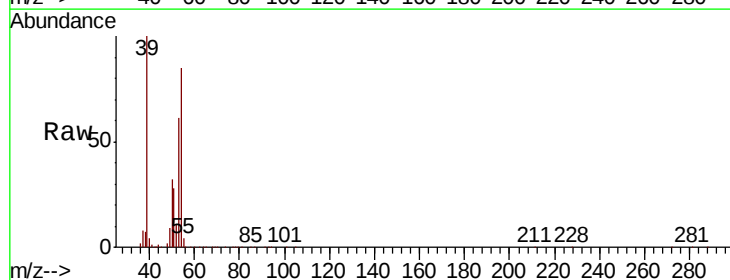
Acq: 21 Jul 2020 23:37

Tgt Ion: 39 Resp: 650788

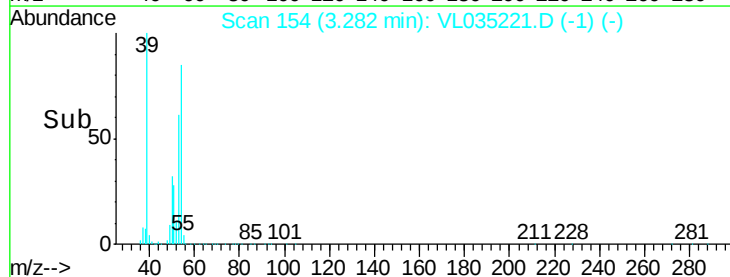
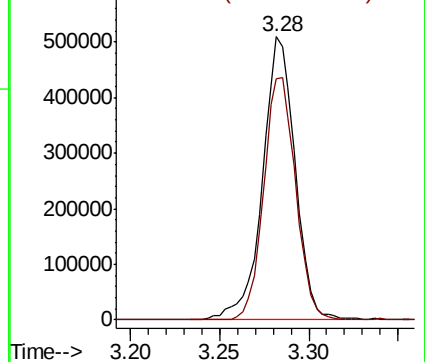
Ion Ratio Lower Upper

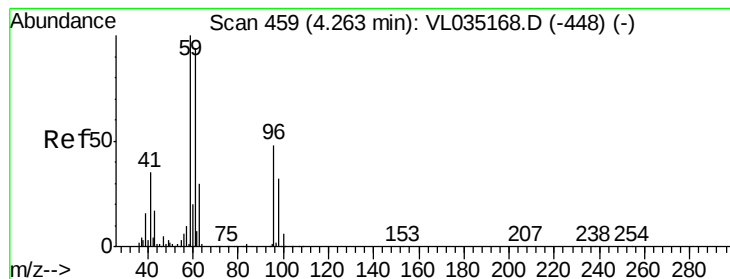
39 100

54 84.1 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0



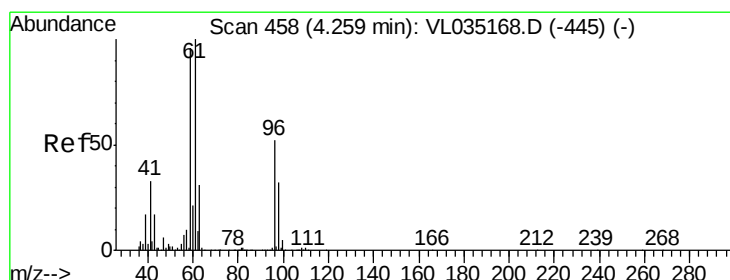
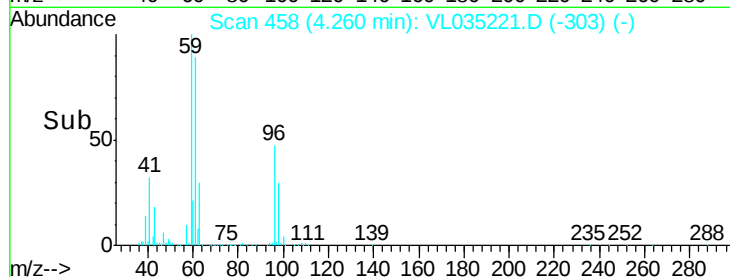
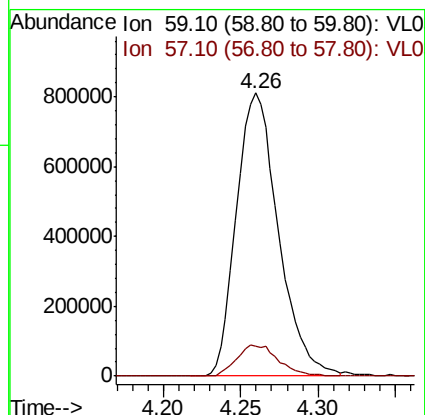
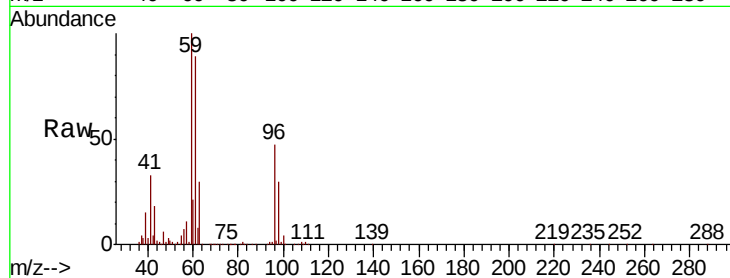


#17

tert-Butyl alcohol
 Concen: 10.517 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

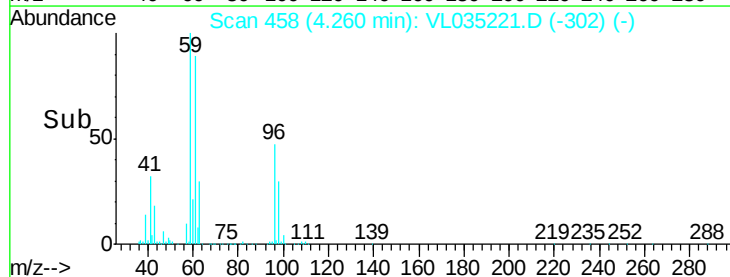
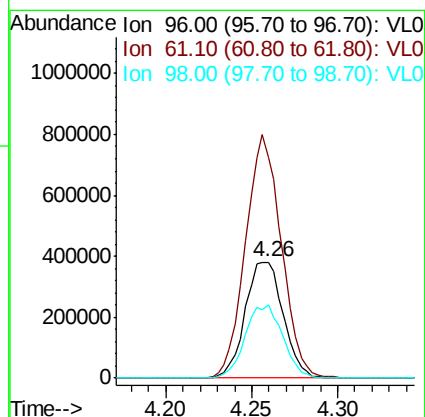
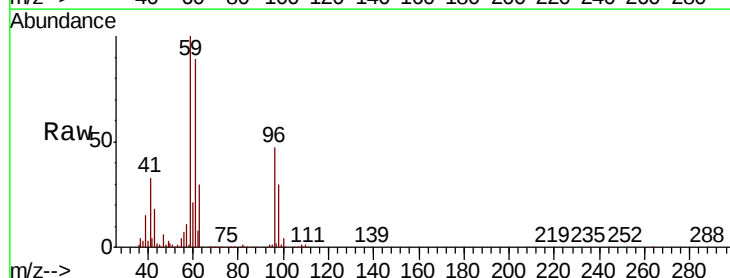
Tot Ion: 59 Resp: 1528776
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 12.8

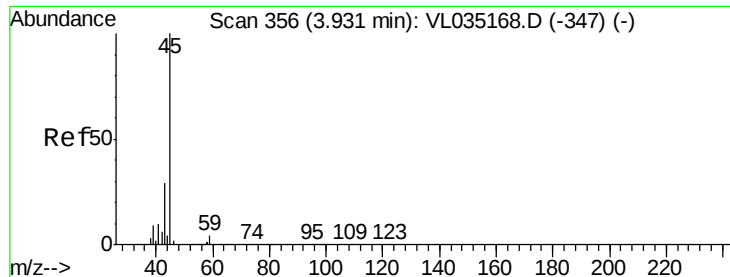


#18

1,1-Dichloroethene
 Concen: 9.792 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion: 96 Resp: 584800
 Ion Ratio Lower Upper
 96 100
 61 190.1 152.9 229.3
 98 63.5 48.7 73.1





#19

Isopropyl Alcohol

Concen: 10.182 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

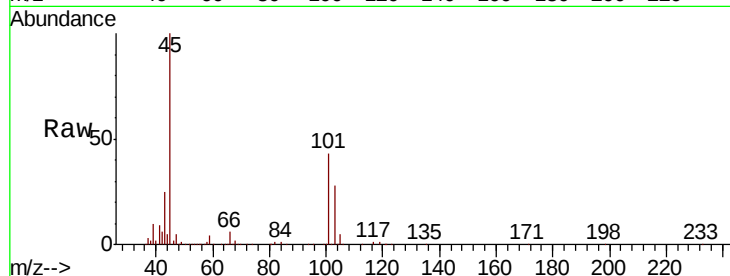
VSTDCCC010EC

Tot Ion: 45 Resp: 1009182

Ion Ratio Lower Upper

45 100

58 2.4 2.1 3.1



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

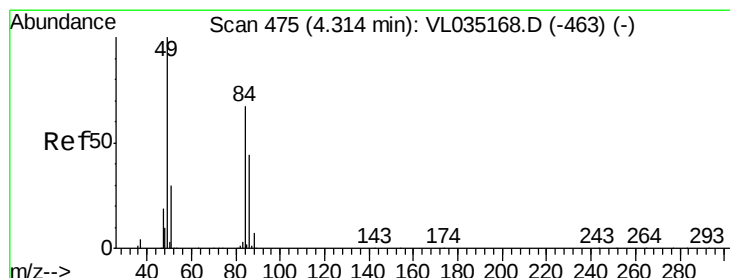
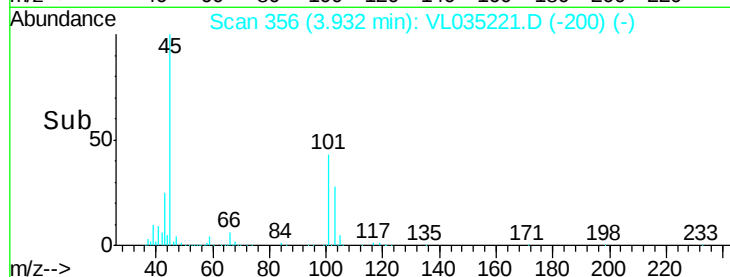
600000

400000

200000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 7.276 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Tgt Ion: 84 Resp: 520113

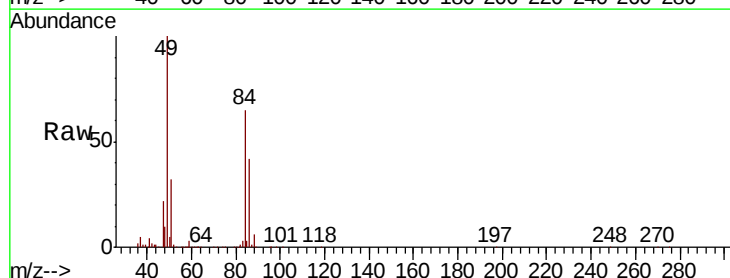
Ion Ratio Lower Upper

84 100

49 151.8 119.4 179.0

51 48.2 36.6 55.0

86 64.8 52.5 78.7



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

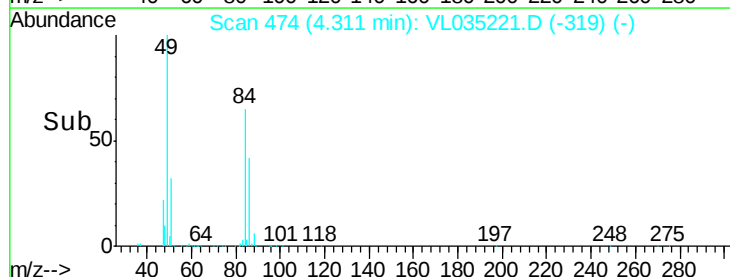
600000

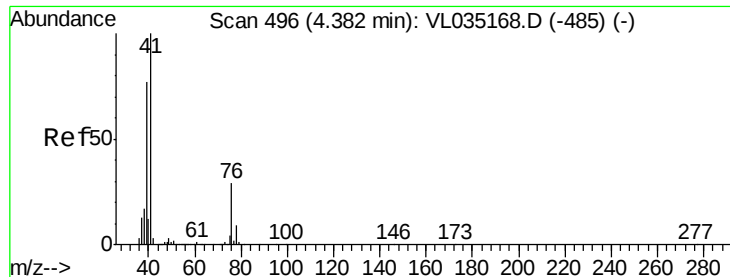
400000

200000

0

Time--> 4.25 4.30 4.35





#21

Allvl Chloride

Concen: 9.948 ppbv

RT: 4.38 min Scan# 496

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

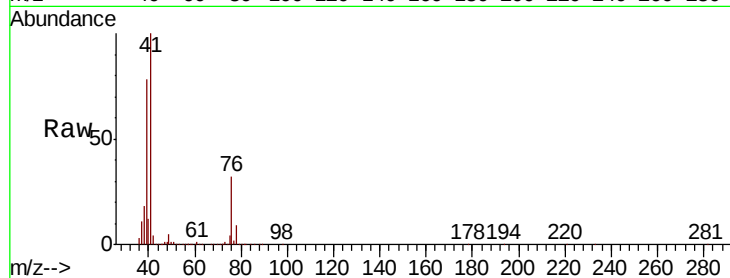
Tot Ion: 41 Resp: 951291

Ion Ratio Lower Upper

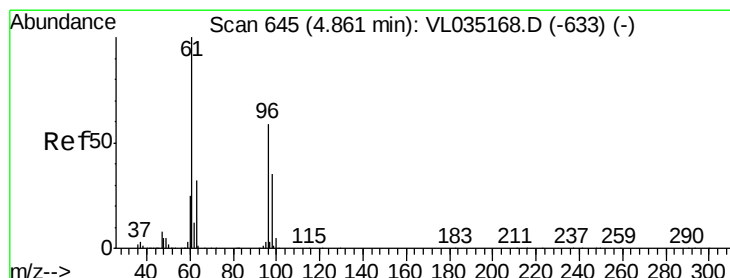
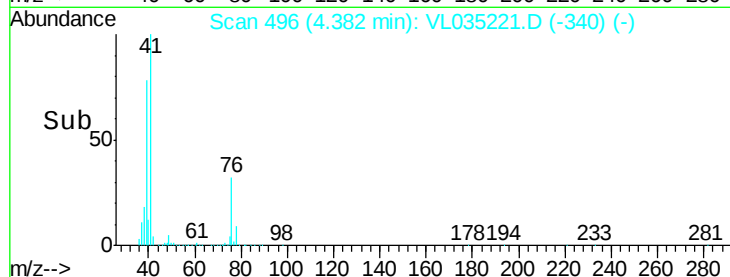
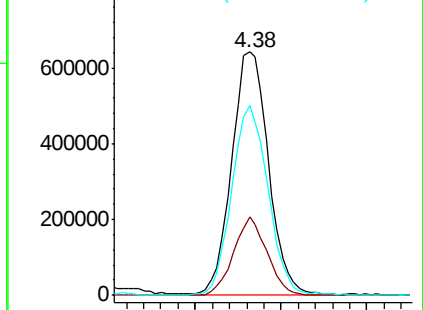
41 100

76 29.7 23.5 35.3

39 77.9 63.4 95.0



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: 9.528 ppbv

RT: 4.86 min Scan# 645

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

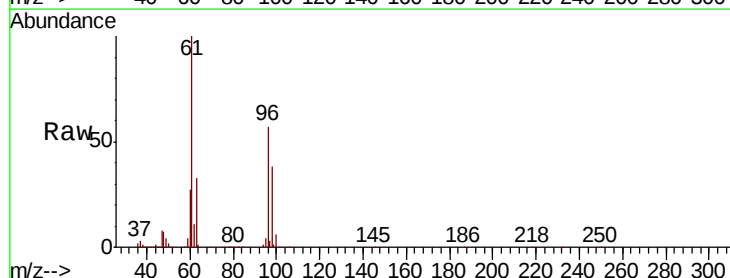
Tgt Ion: 96 Resp: 568071

Ion Ratio Lower Upper

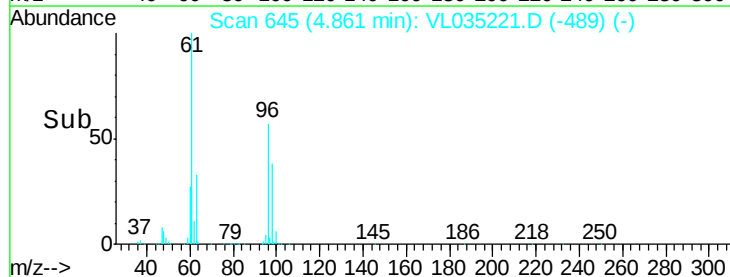
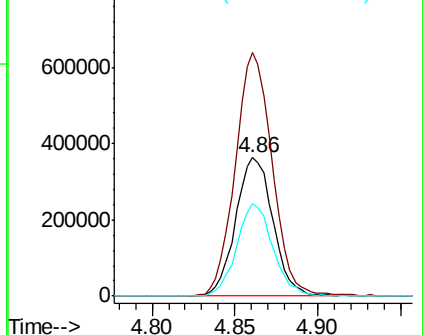
96 100

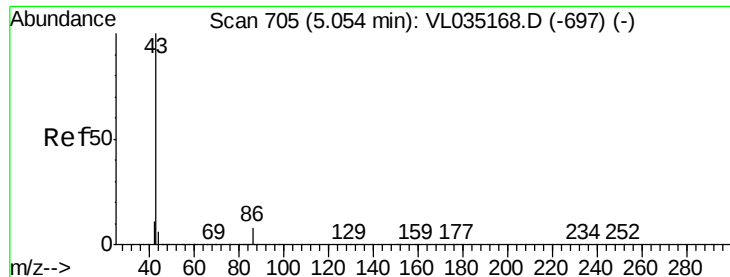
61 176.1 136.5 204.7

98 66.5 47.5 71.3



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





#23

Vinyl Acetate

Concen: 10.326 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1836469

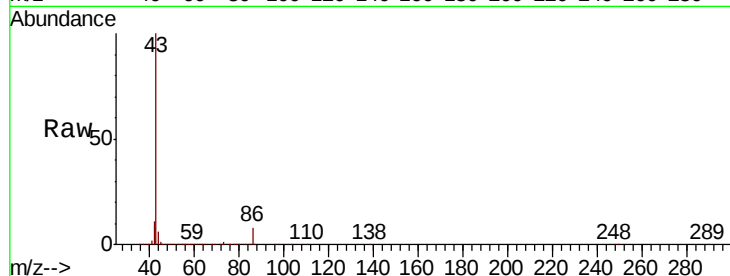
Ion Ratio Lower Upper

43 100

86 8.3 6.2 9.2

42 11.0 9.1 13.7

44 5.5 4.6 6.8

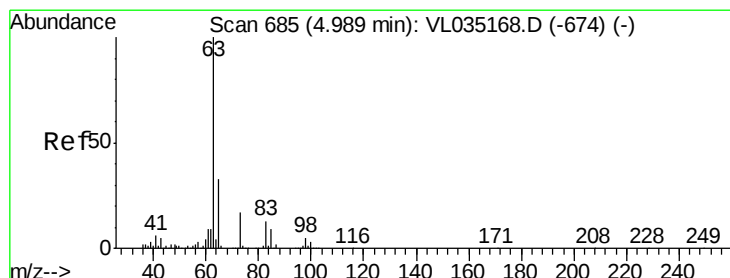
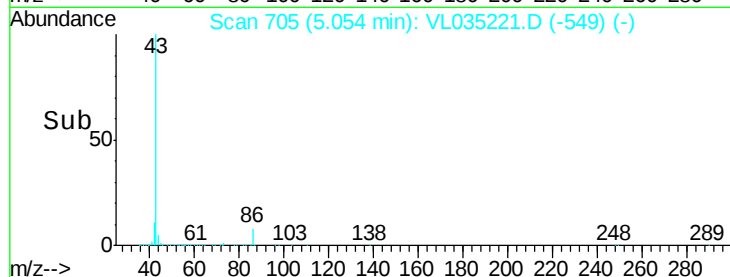
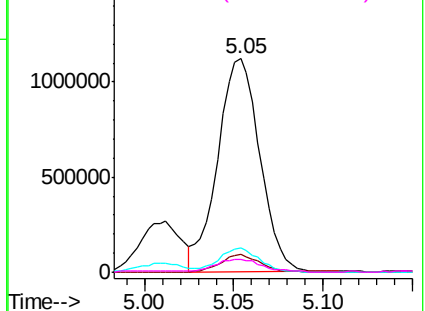


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.717 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

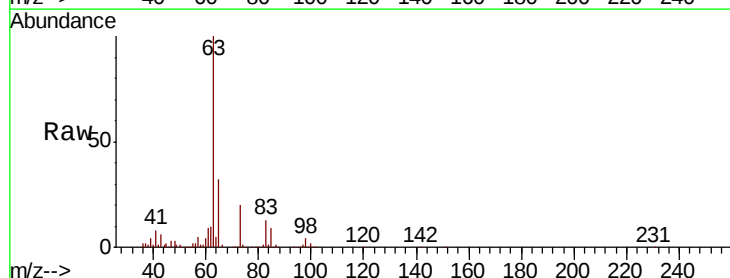
Tgt Ion: 63 Resp: 1484075

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

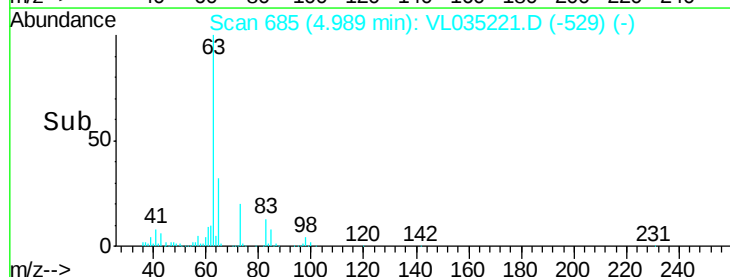
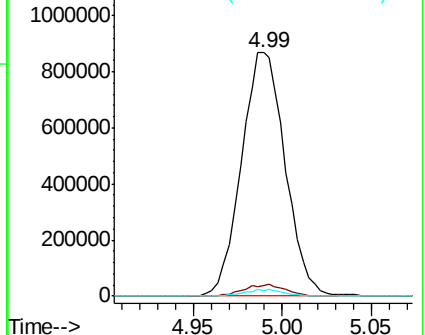
100 2.4 1.4 4.0

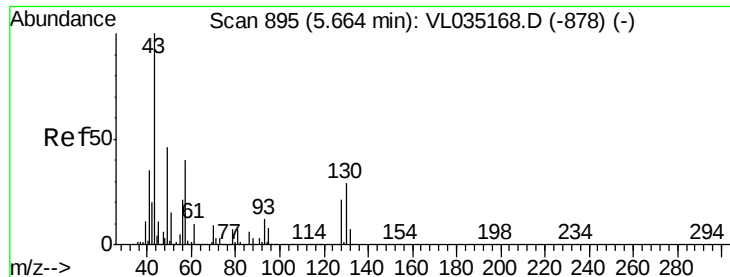


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



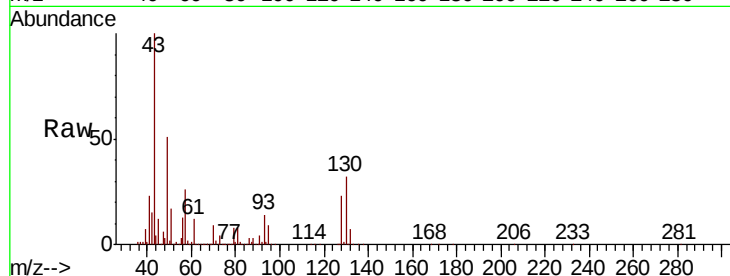


#25
Ethyl Acetate
Concen: 9.949 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2536714

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	10.3	8.1	12.1
70	8.0	6.3	9.5



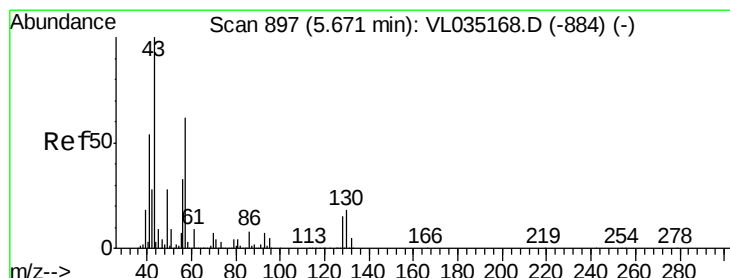
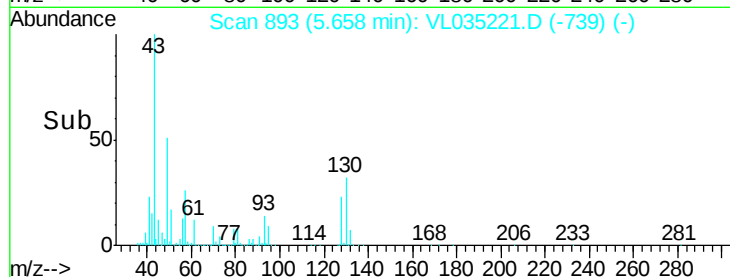
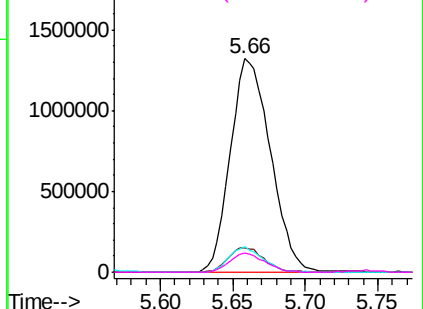
Abundance

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

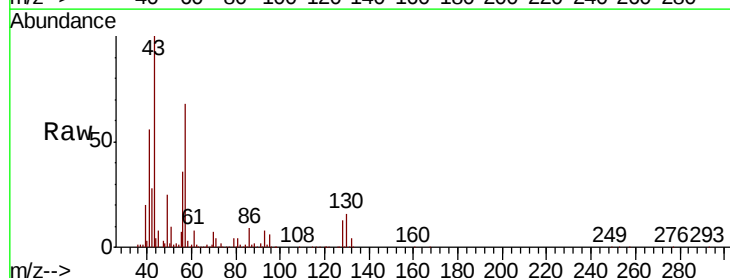
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.004 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 57 Resp: 1124591

Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.9	109.3
43	226.6	179.5	269.3
56	53.6	42.9	64.3



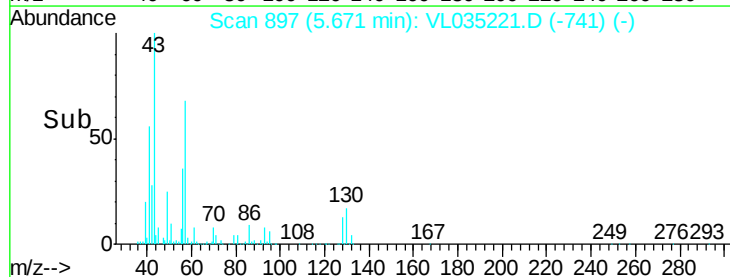
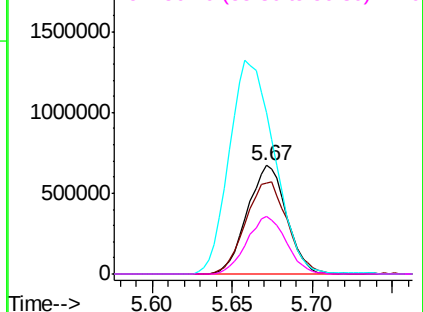
Abundance

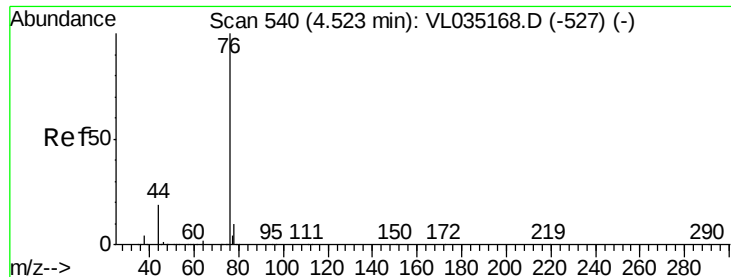
Ion 57.10 (56.80 to 57.80): VL0

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: 9.767 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

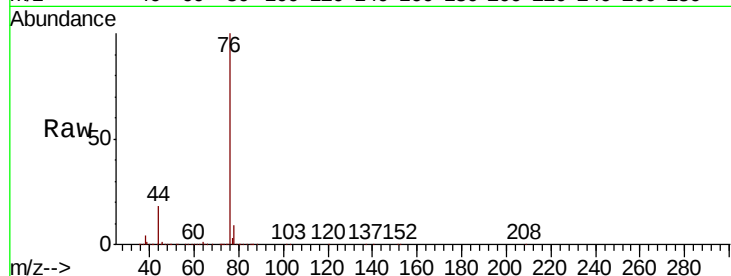
Tot Ion: 76 Resp: 1533221

Ion Ratio Lower Upper

76 100

44 18.3 14.9 22.3

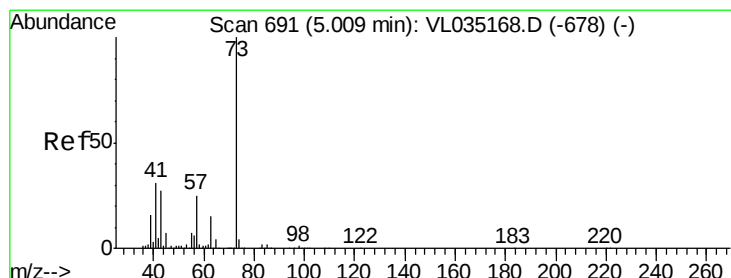
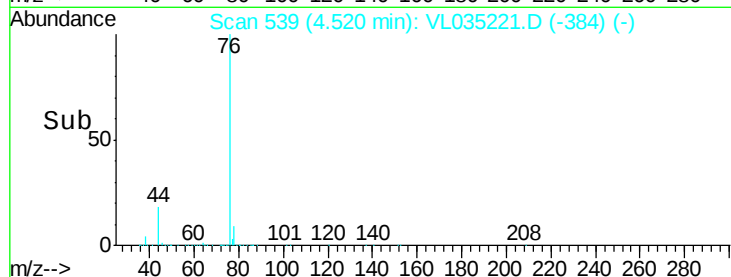
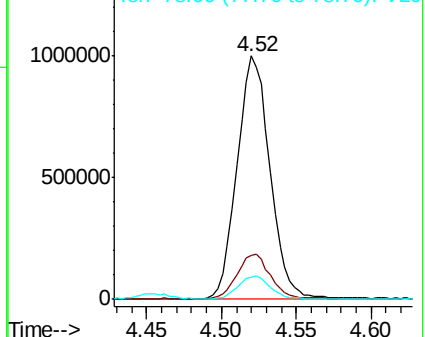
78 9.6 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.208 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL035221.D

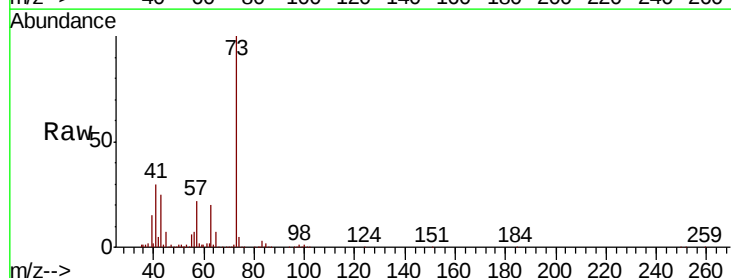
Acq: 21 Jul 2020 23:37

Tgt Ion: 73 Resp: 1748322

Ion Ratio Lower Upper

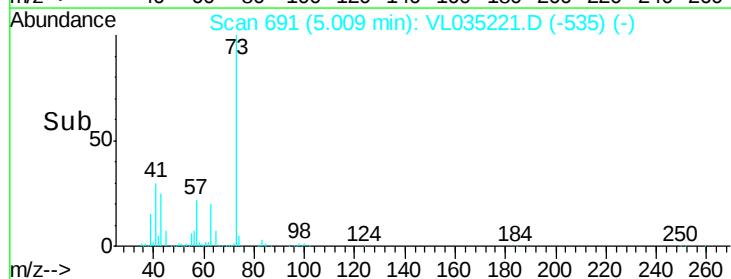
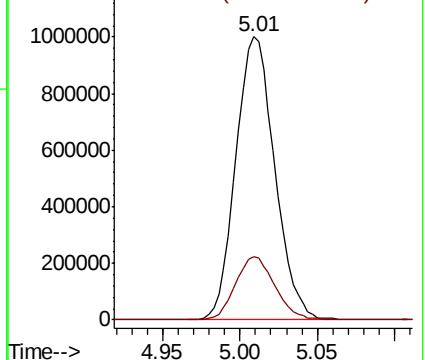
73 100

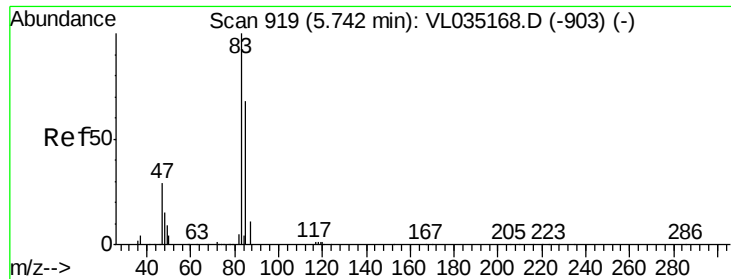
57 22.7 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

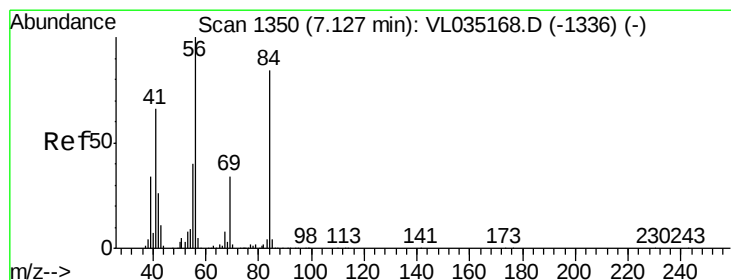
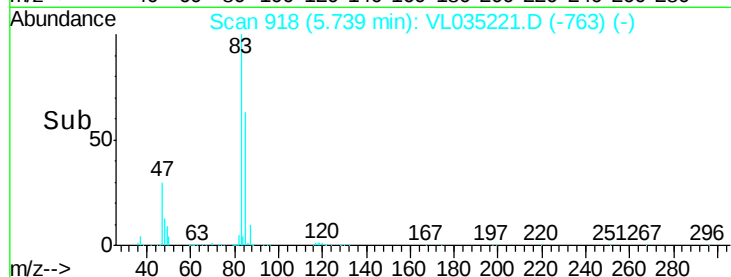
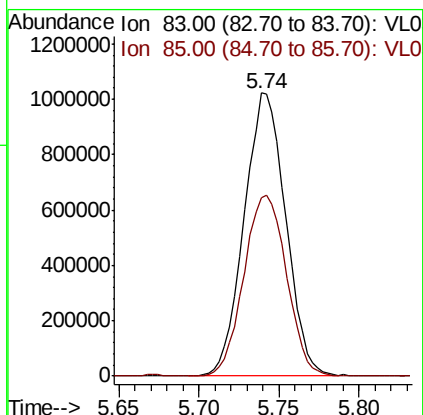
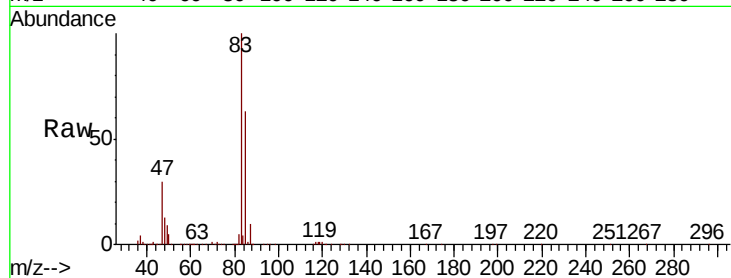




#29
Chloroform
Concen: 9.621 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

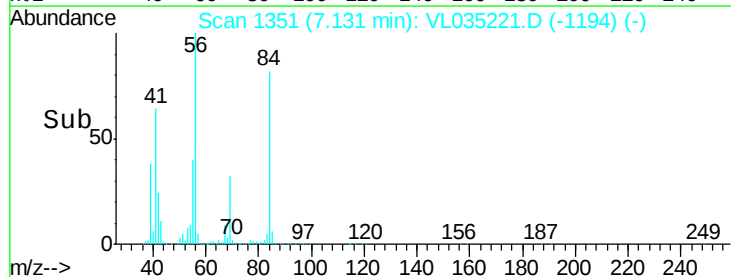
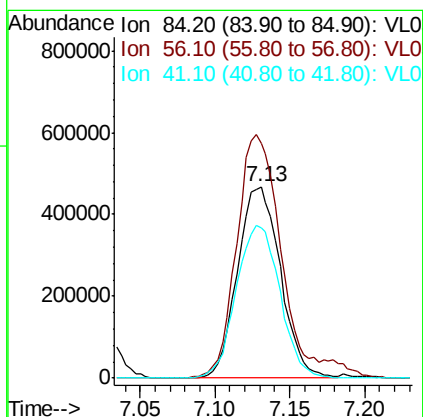
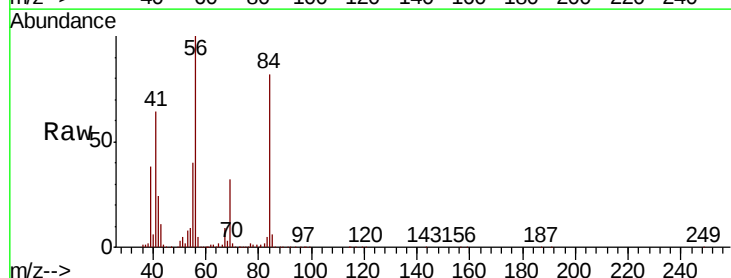
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

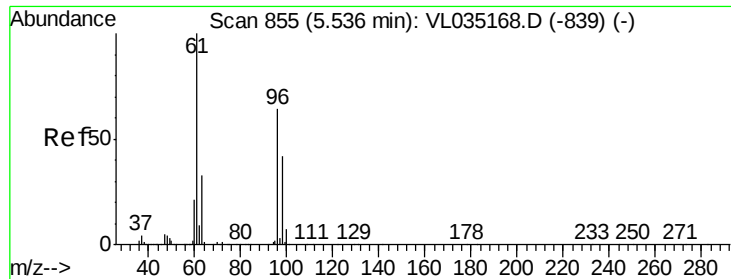
Tot Ion: 83 Resp: 1813288
Ion Ratio Lower Upper
83 100
85 62.8 54.3 81.5



#30
Cyclohexane
Concen: 11.249 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 84 Resp: 935710
Ion Ratio Lower Upper
84 100
56 134.5 105.6 158.4
41 81.6 64.9 97.3



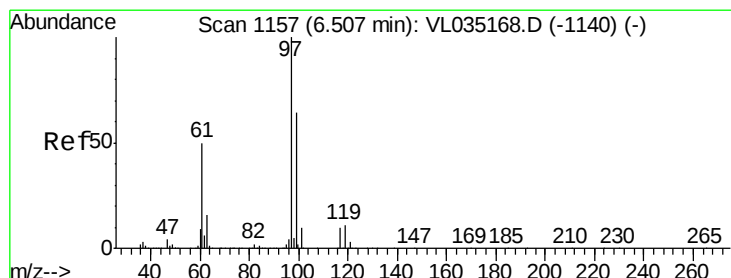
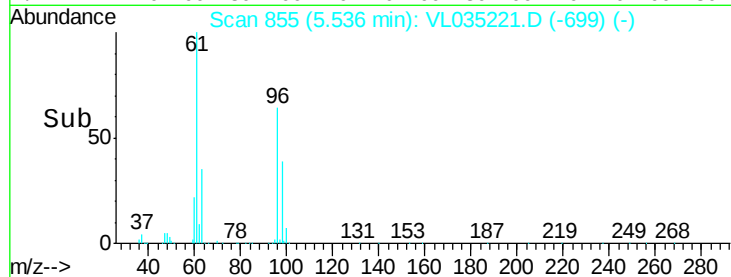
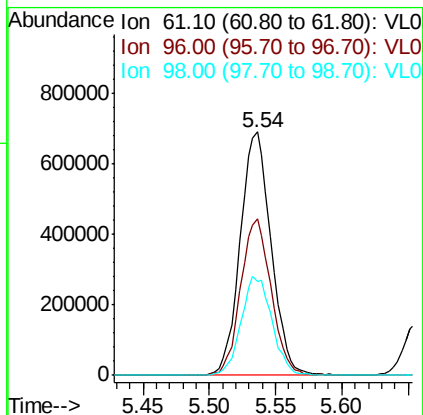
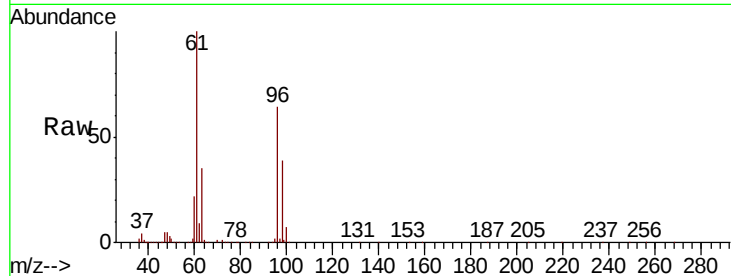


#31

cis-1,2-Dichloroethene
 Concen: 10.518 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

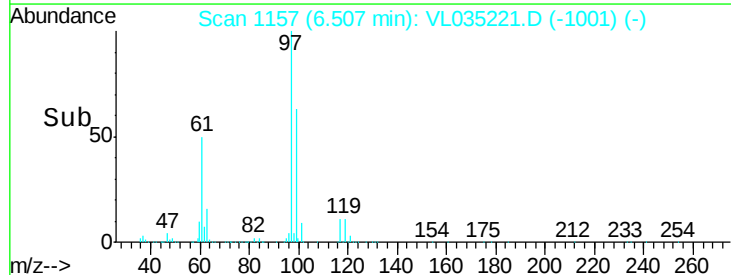
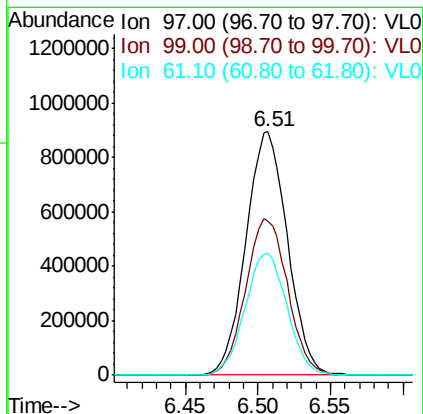
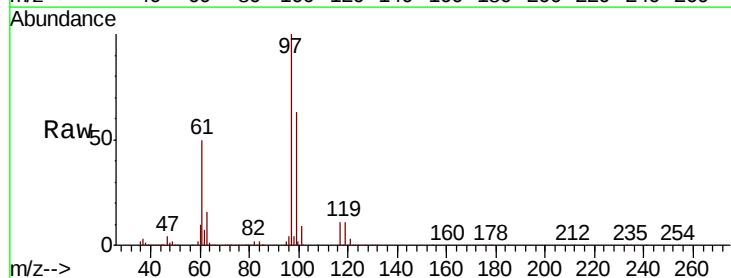
Tot Ion: 61 Resp: 1118395
 Ion Ratio Lower Upper
 61 100
 96 64.4 51.3 76.9
 98 38.7 33.8 50.8

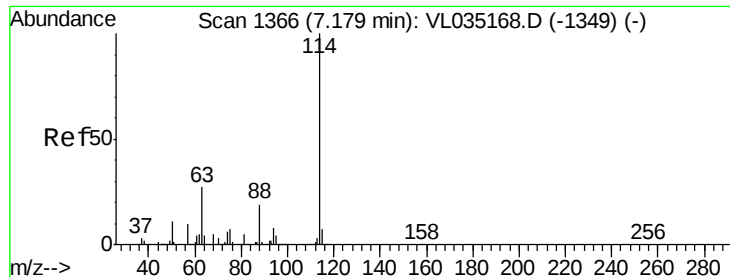


#32

1,1,1-Trichloroethane
 Concen: 9.425 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion: 97 Resp: 1780298
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.2 76.8
 61 50.8 40.9 61.3

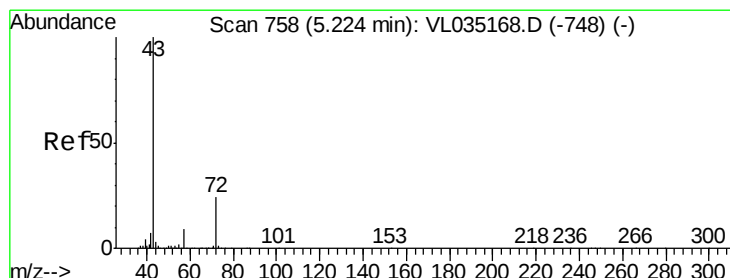
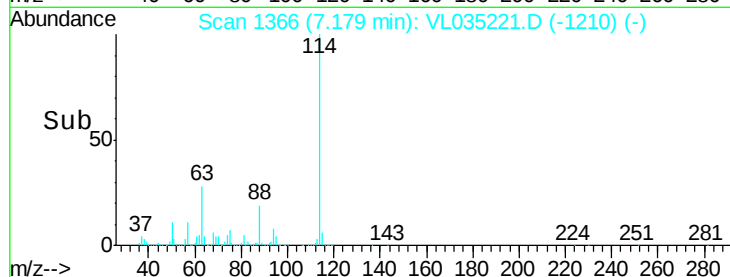
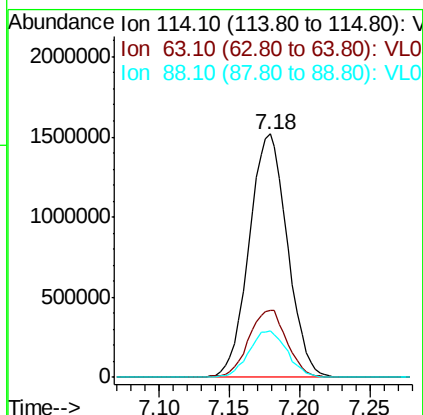
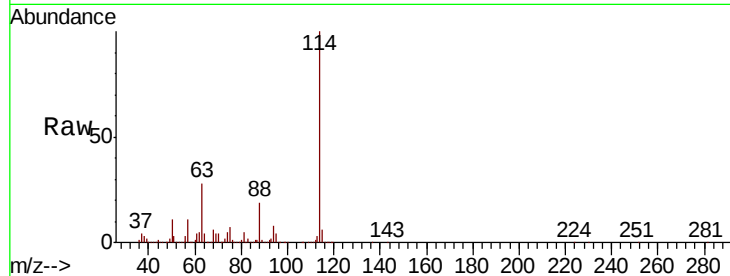




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

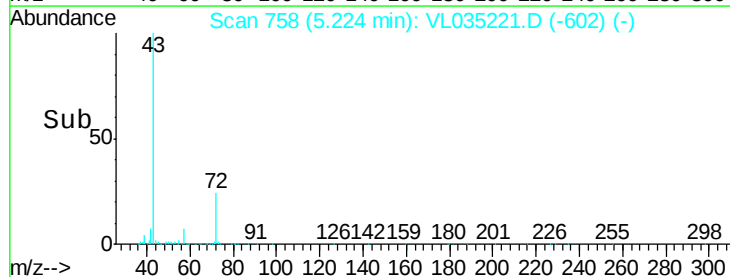
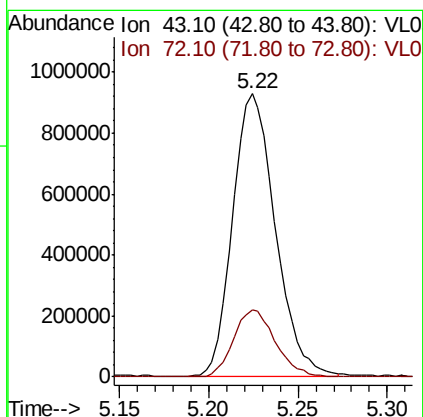
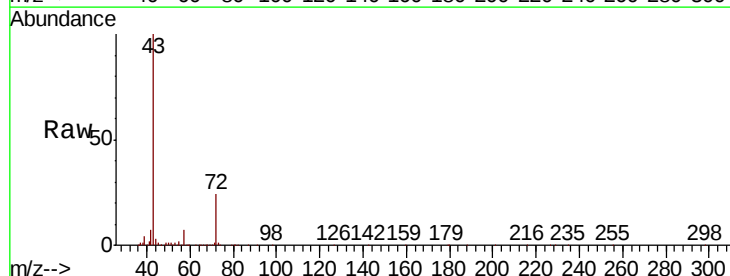
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

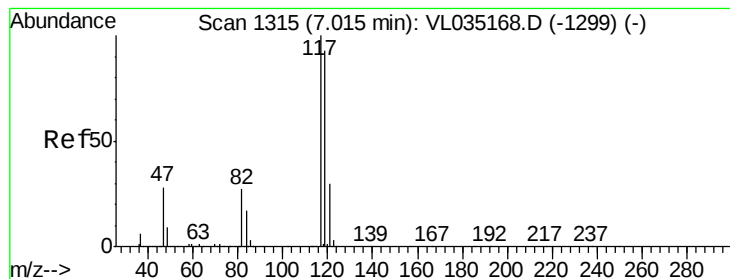
Tot Ion:114 Resp: 2876570
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.0 33.0
 88 19.0 15.4 23.0



#34
 2-Butanone
 Concen: 10.091 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion: 43 Resp: 1549355
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.6 28.0





#35

Carbon Tetrachloride

Concen: 9.858 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

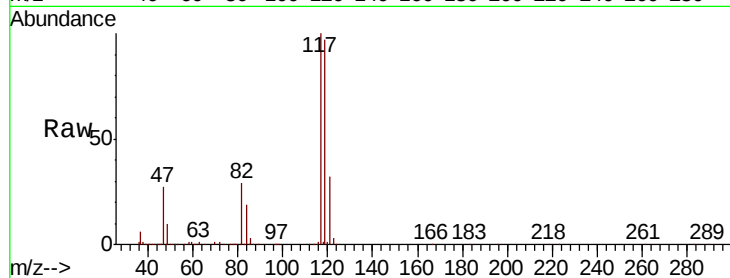
Tot Ion:117 Resp: 1840676

Ion Ratio Lower Upper

117 100

119 96.4 74.8 112.2

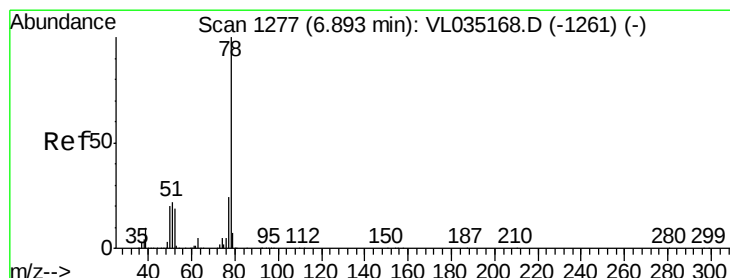
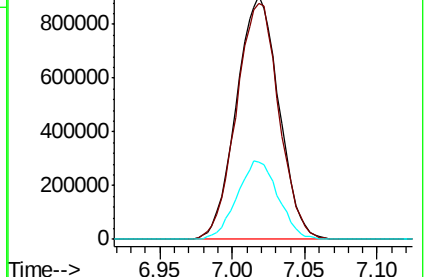
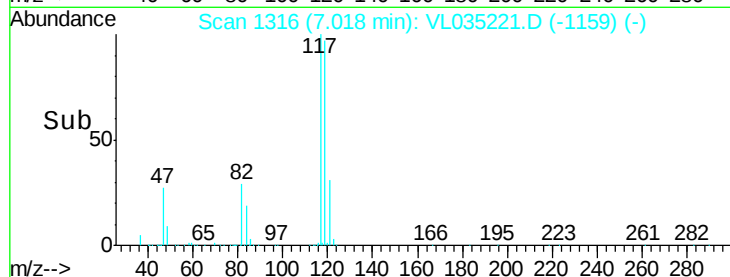
121 31.6 24.2 36.2



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: 10.669 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

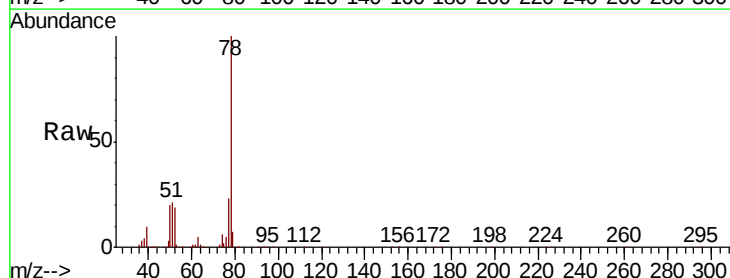
Tgt Ion: 78 Resp: 2221113

Ion Ratio Lower Upper

78 100

77 23.4 19.3 28.9

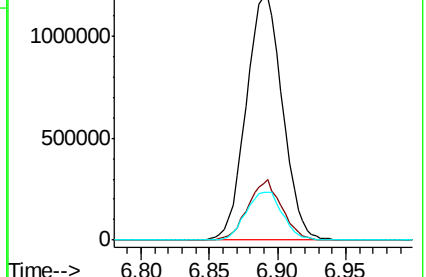
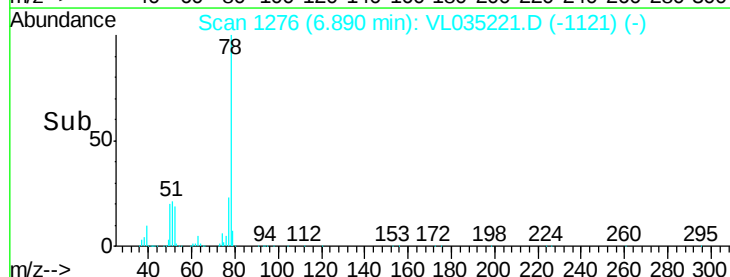
50 19.8 16.0 24.0

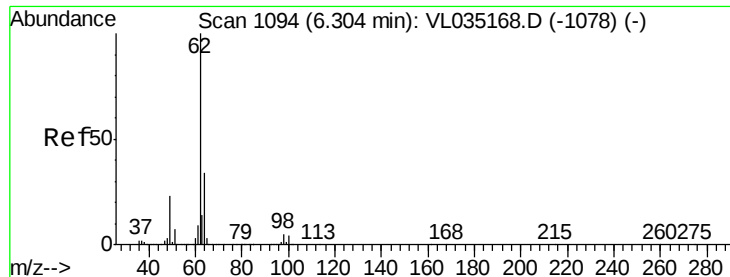


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

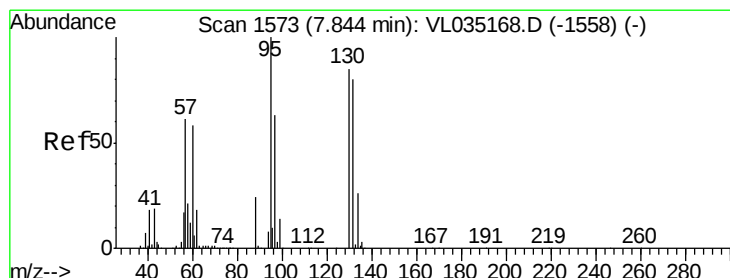
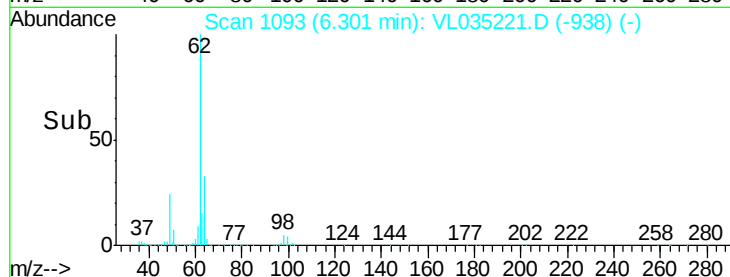
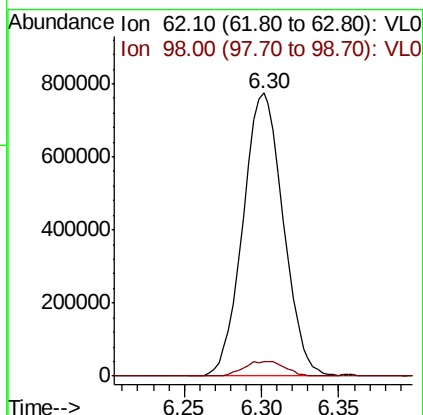
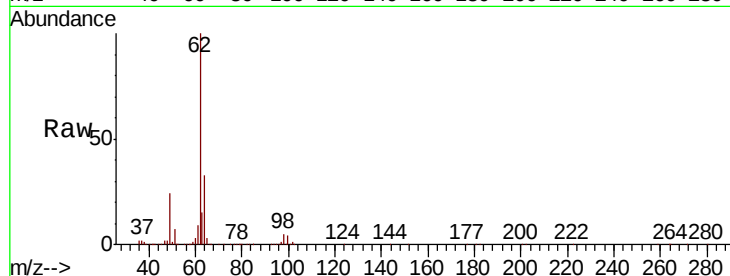




#37
 1,2-Dichloroethane
 Concen: 10.064 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

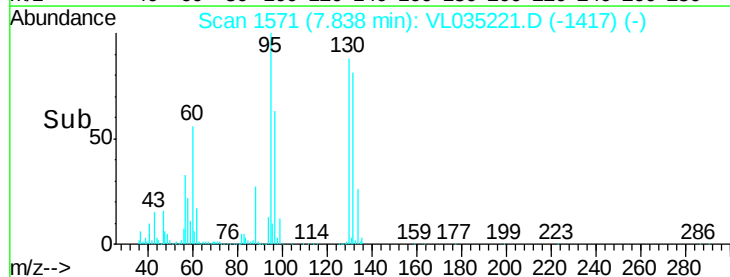
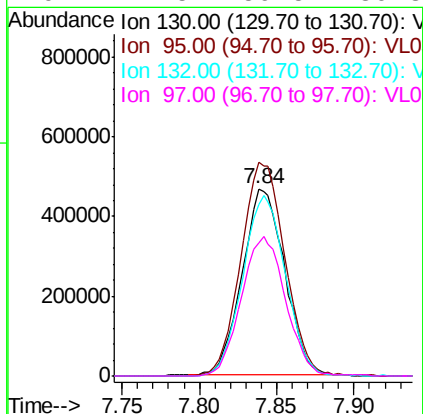
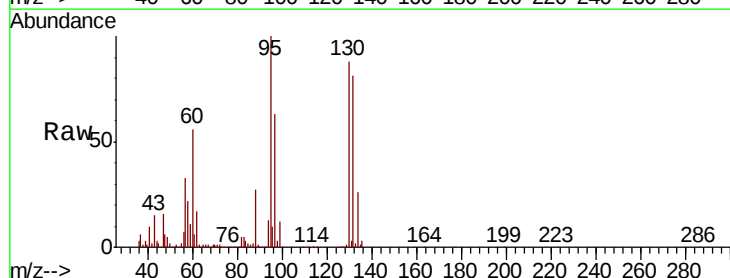
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

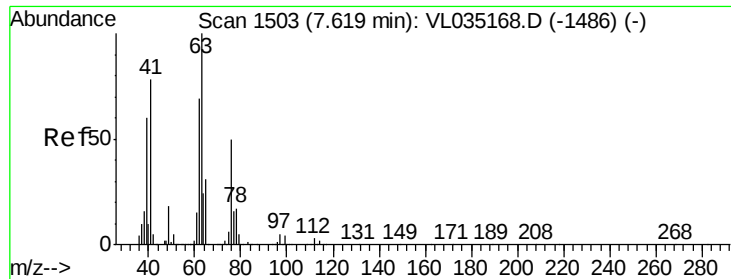
Tot Ion: 62 Resp: 1406161
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.6 6.8



#38
 Trichloroethene
 Concen: 10.534 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion: 130 Resp: 893651
 Ion Ratio Lower Upper
 130 100
 95 114.3 93.8 140.8
 132 92.0 75.0 112.4
 97 71.5 59.5 89.3





#39

1,2-Dichloropropane

Concen: 10.510 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

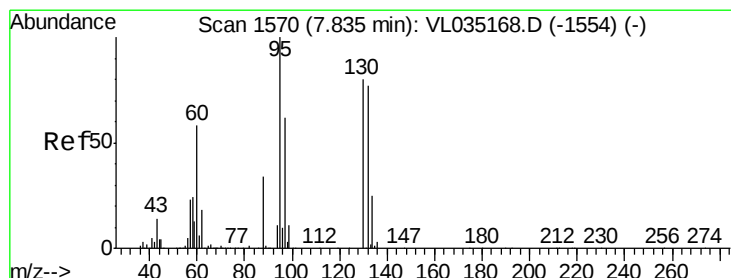
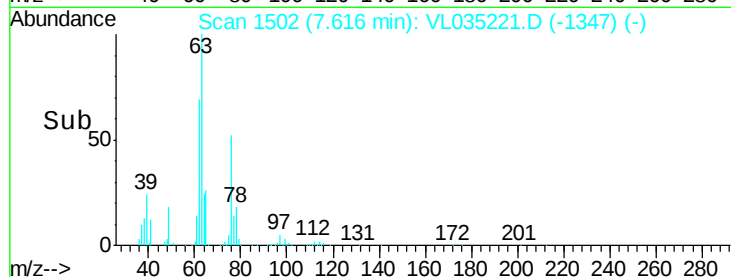
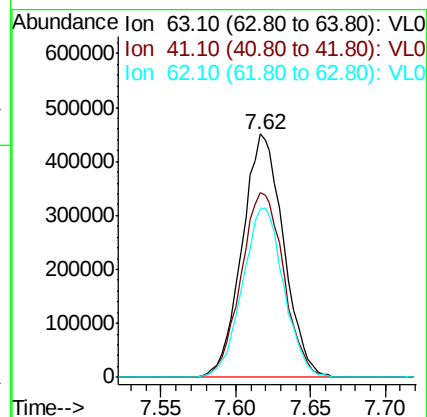
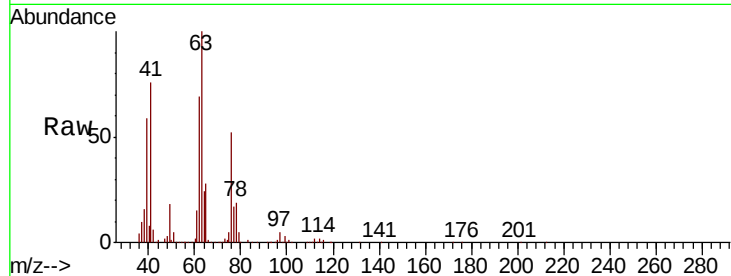
Tot Ion: 63 Resp: 870179

Ion Ratio Lower Upper

63 100

41 75.4 62.6 94.0

62 68.9 55.0 82.6



#40

1,4-Dioxane

Concen: 9.871 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Tgt Ion: 88 Resp: 325350

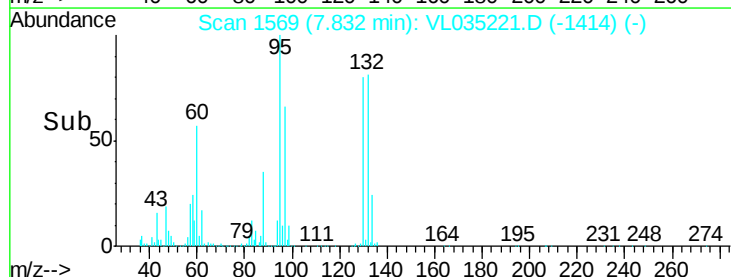
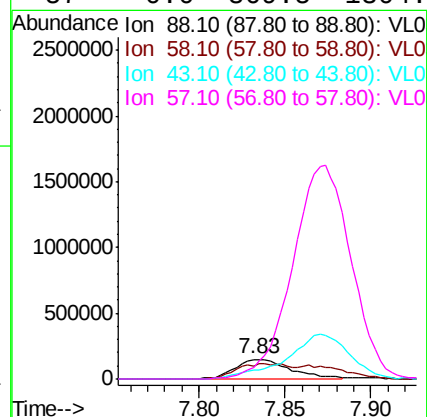
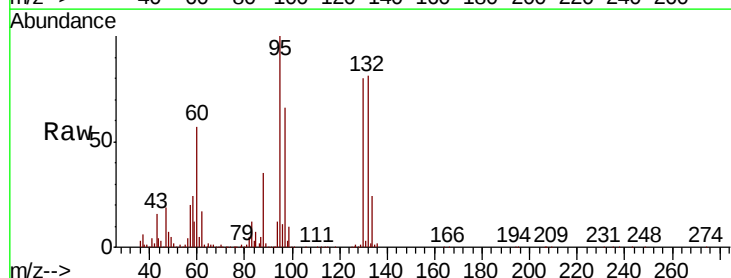
Ion Ratio Lower Upper

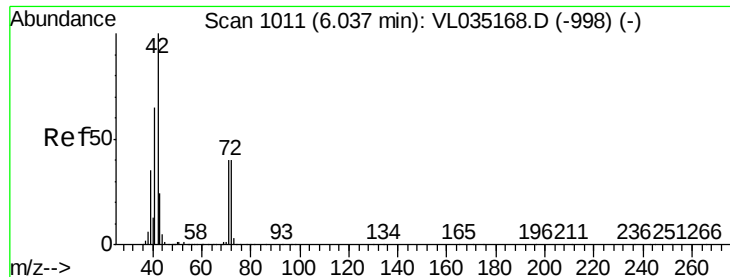
88 100

58 137.8 100.2 150.4

43 0.0 199.8 299.8#

57 0.0 869.5 1304.3#





#41

Tetrahydrofuran

Concen: 11.060 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

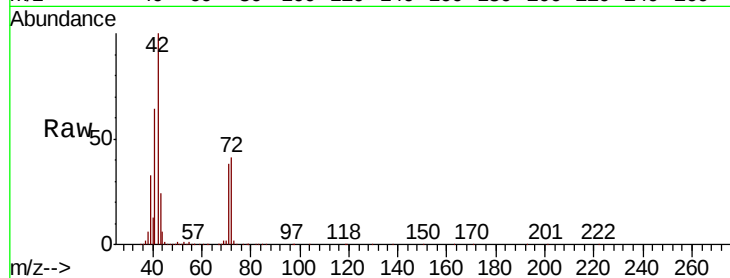
Tot Ion: 42 Resp: 849695

Ion Ratio Lower Upper

42 100

72 42.1 33.4 50.2

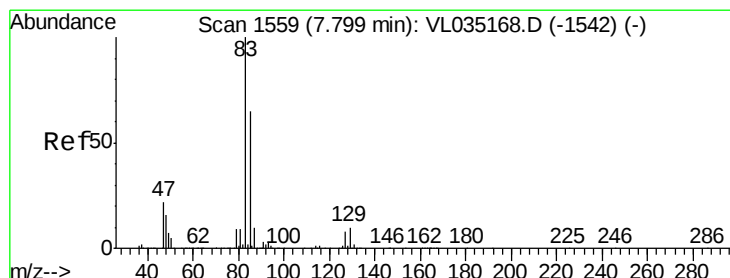
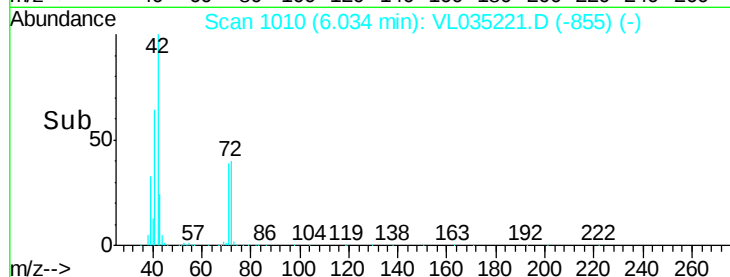
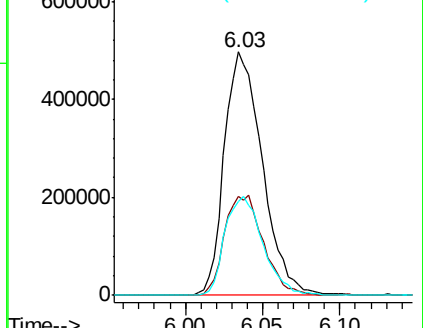
71 40.8 31.9 47.9



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: 10.383 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

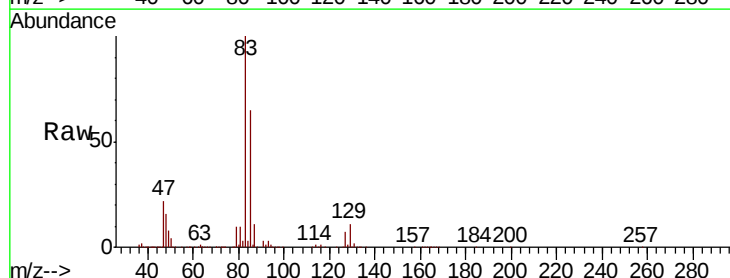
Tgt Ion: 83 Resp: 1937250

Ion Ratio Lower Upper

83 100

85 65.4 52.2 78.4

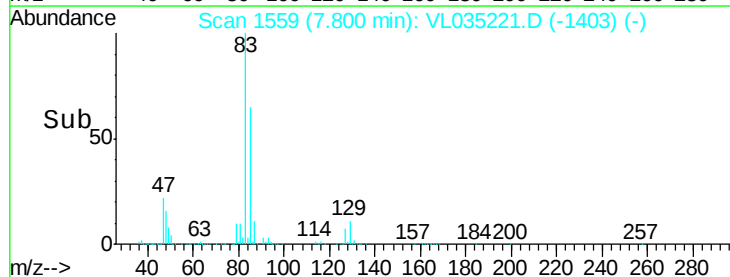
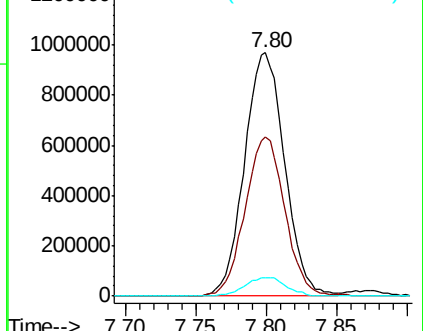
127 7.4 6.3 9.5

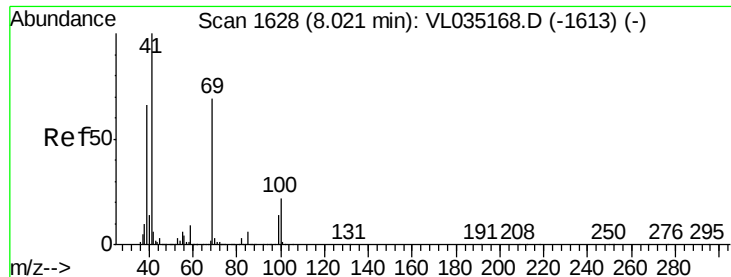


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.684 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

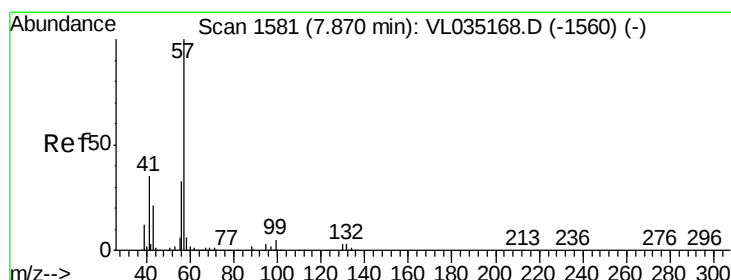
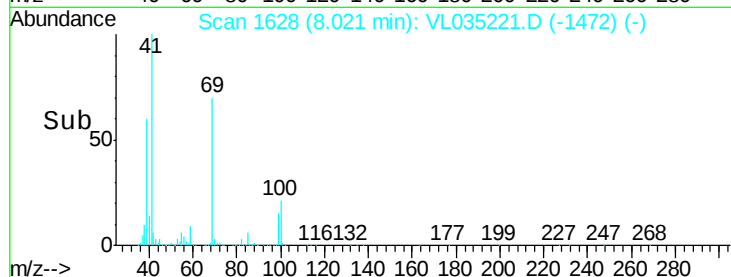
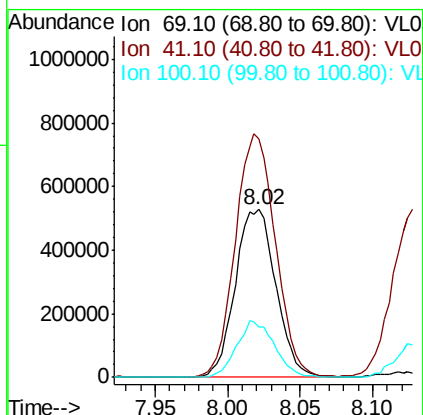
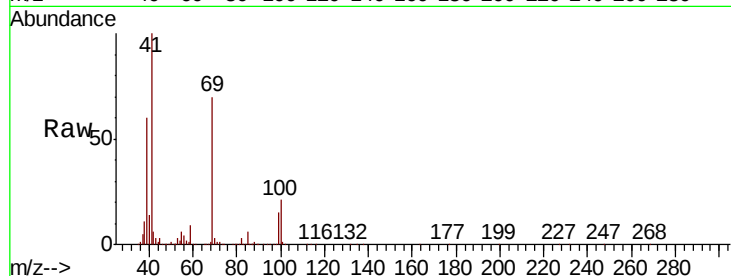
Tot Ion: 69 Resp: 1028315

Ion Ratio Lower Upper

69 100

41 143.1 116.3 174.5

100 31.5 25.6 38.4



#44

2,2,4-Trimethylpentane

Concen: 10.713 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

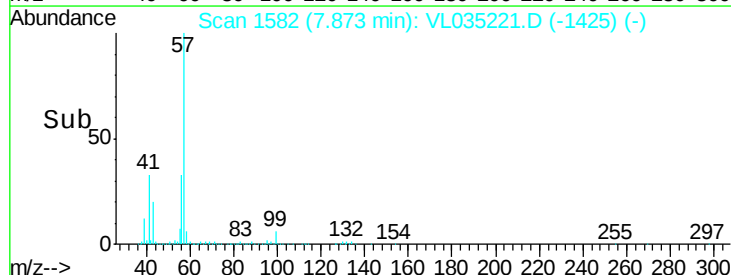
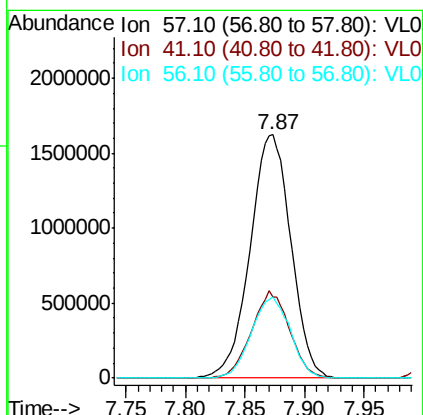
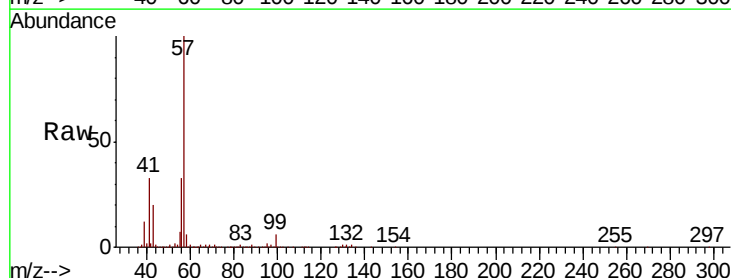
Tgt Ion: 57 Resp: 3849817

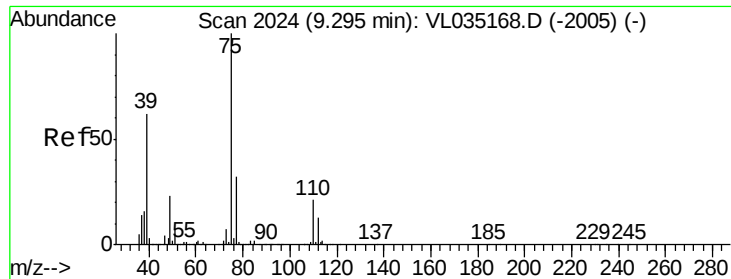
Ion Ratio Lower Upper

57 100

41 33.5 27.0 40.6

56 32.1 25.5 38.3

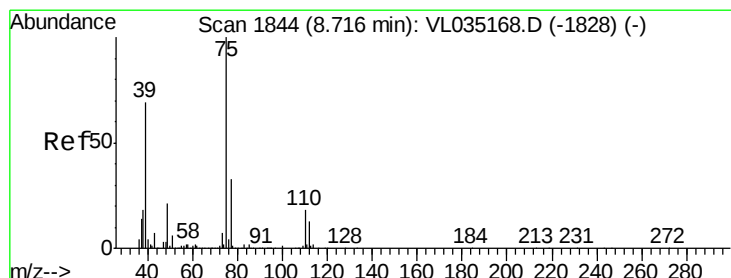
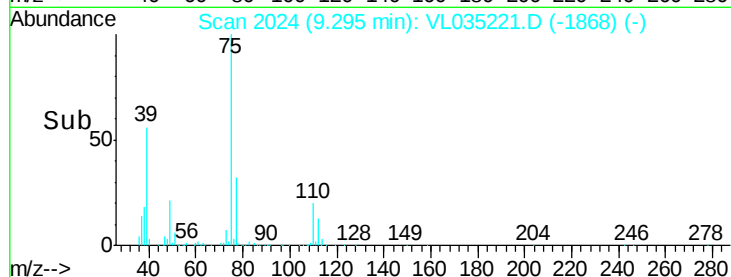
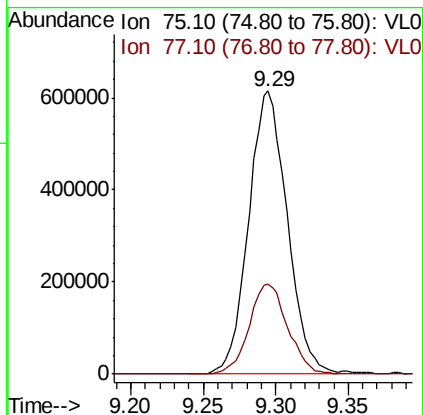
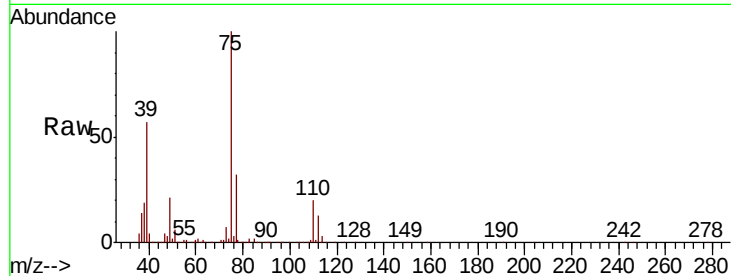




#45
t-1,3-Dichloropropene
Concen: 12.325 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

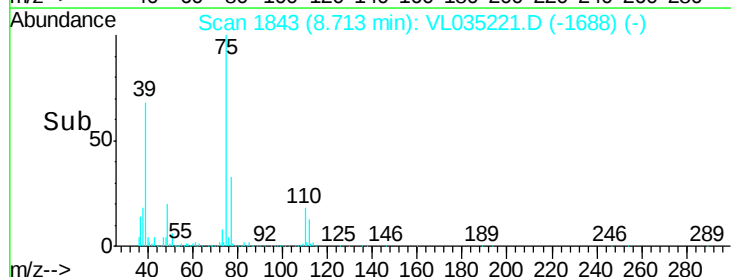
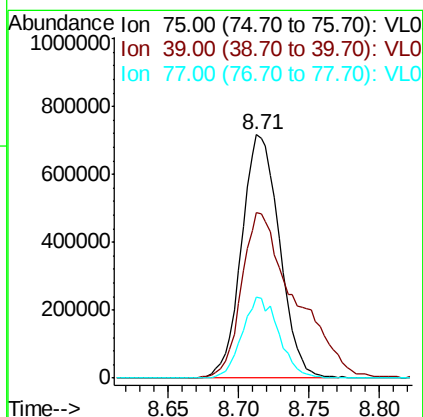
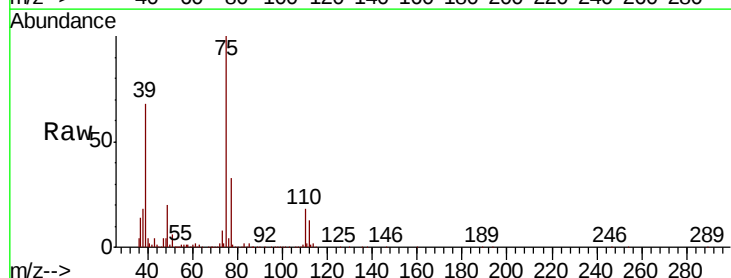
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

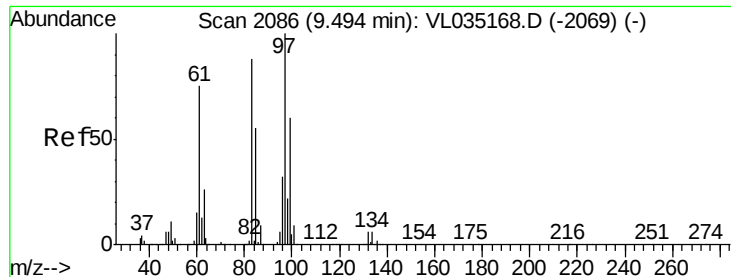
Tot Ion: 75 Resp: 1139584
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8



#46
cis-1,3-Dichloropropene
Concen: 12.326 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 75 Resp: 1351101
Ion Ratio Lower Upper
75 100
39 67.9 55.2 82.8
77 33.2 26.0 39.0

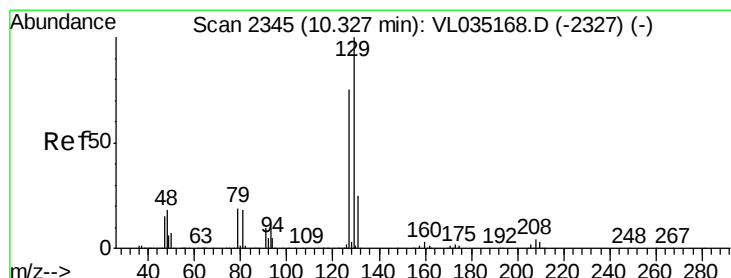
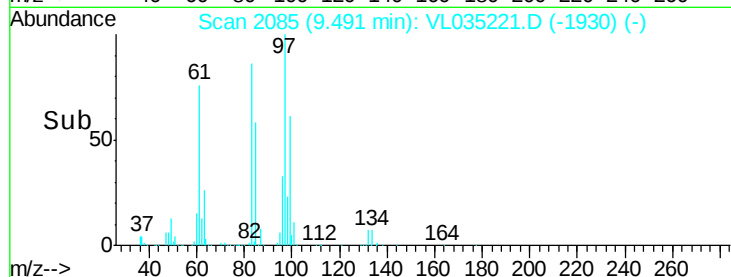
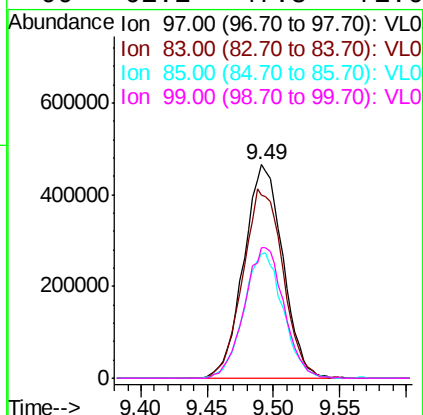
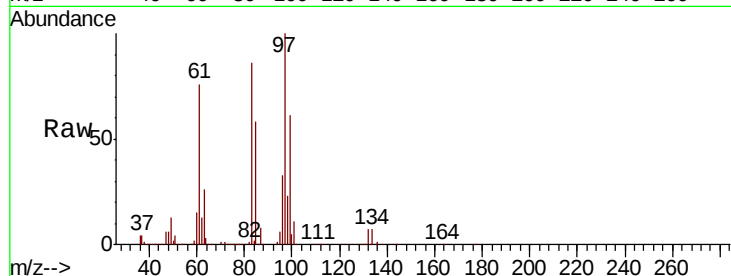




#47
 1,1,2-Trichloroethane
 Concen: 10.548 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

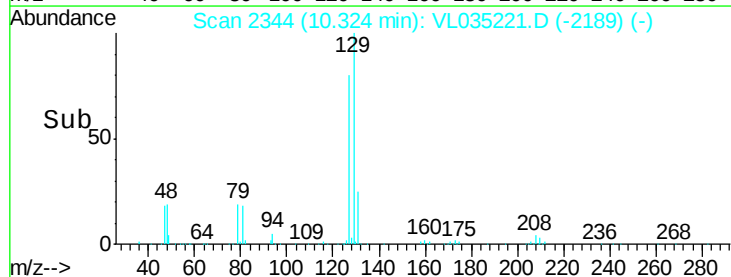
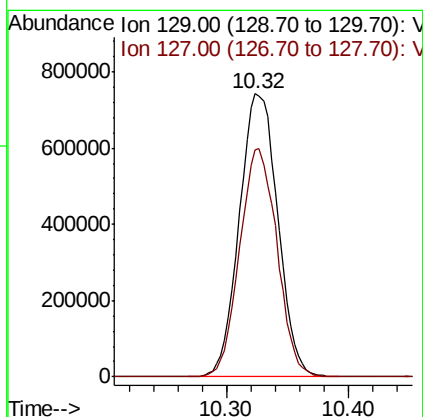
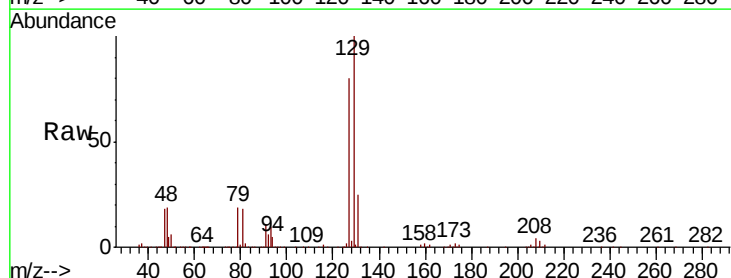
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

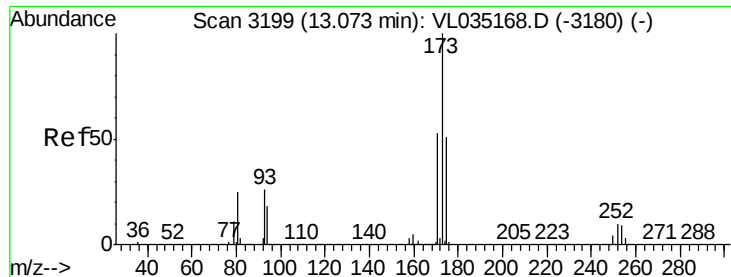
Tot Ion:	97	Resp:	955912
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.3	105.5
85	57.9	44.3	66.5
99	61.1	47.8	71.6



#48
 Dibromochloromethane
 Concen: 10.961 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion:	129	Resp:	1616215
Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.8	116.3





#49

Bromoform

Concen: 11.315 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

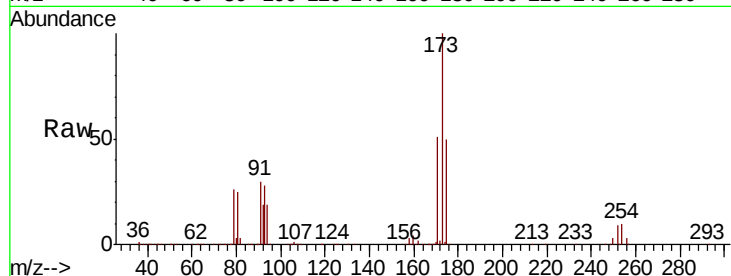
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1459477

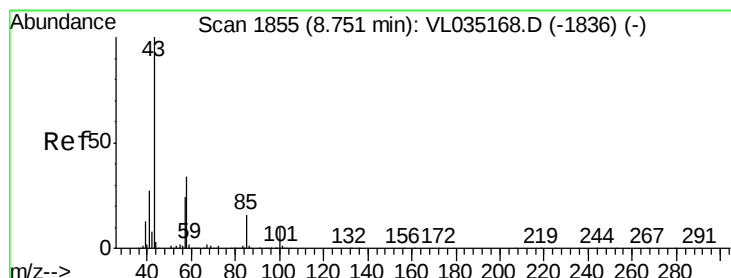
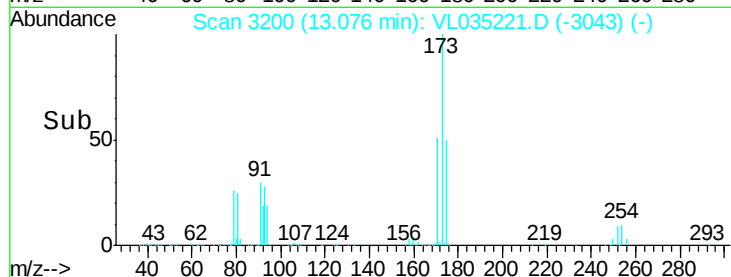
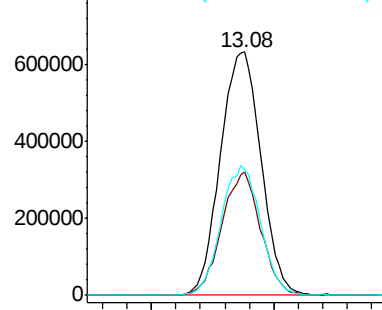
Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.7	59.5
171	51.8	41.6	62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.030 ppbv

RT: 8.75 min Scan# 1854

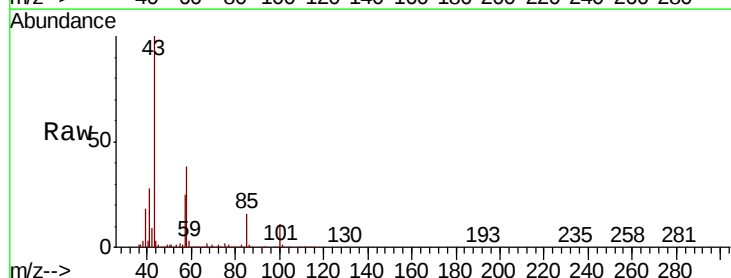
Delta R.T. -0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

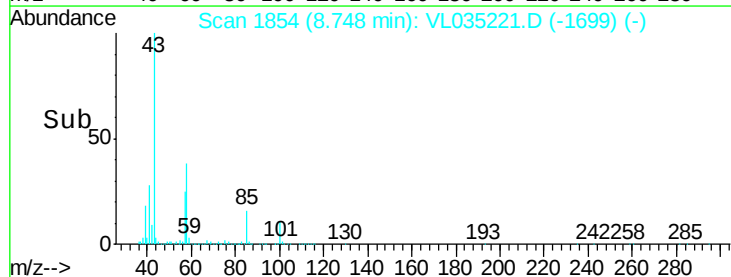
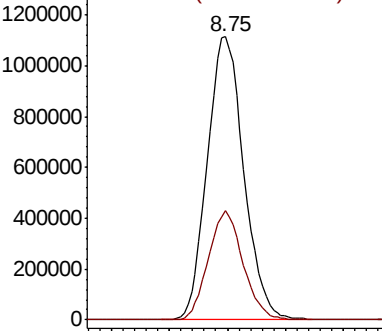
Tgt Ion: 43 Resp: 2430381

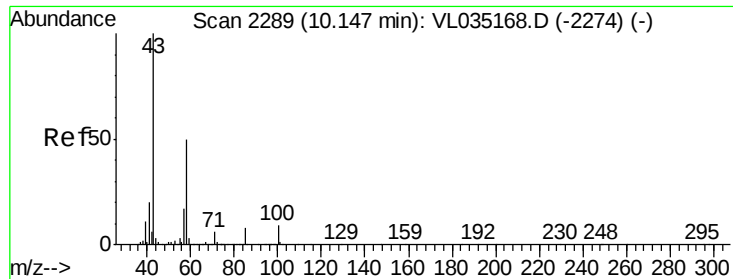
Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

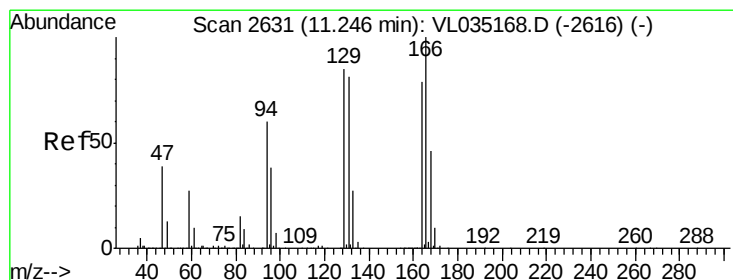
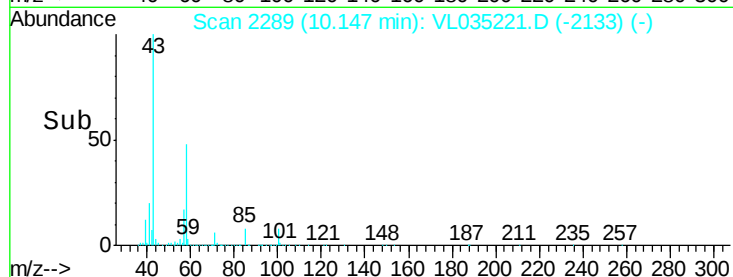
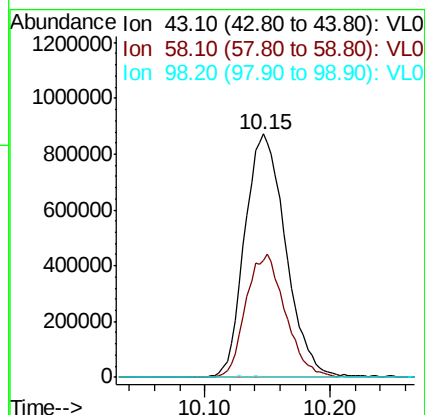
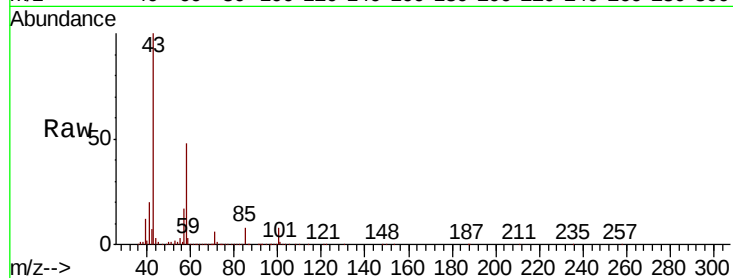




#51
2-Hexanone
Concen: 11.764 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

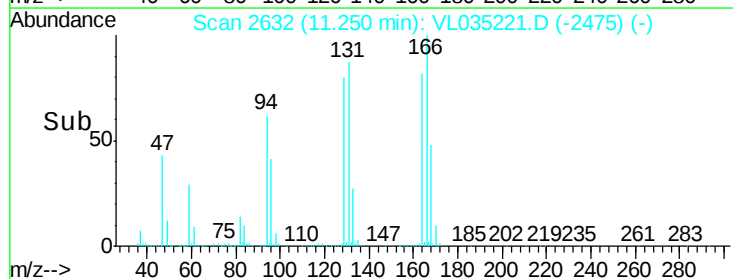
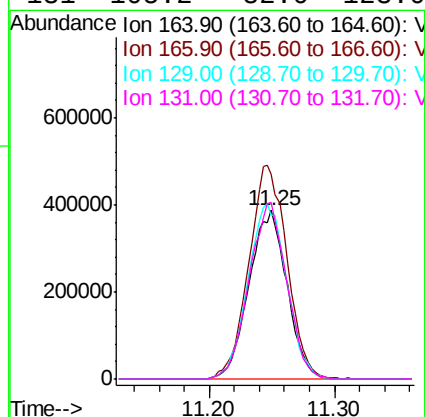
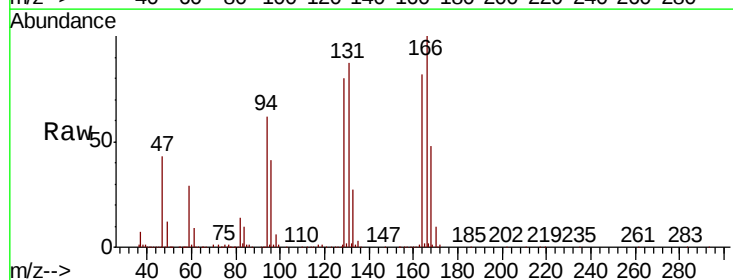
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

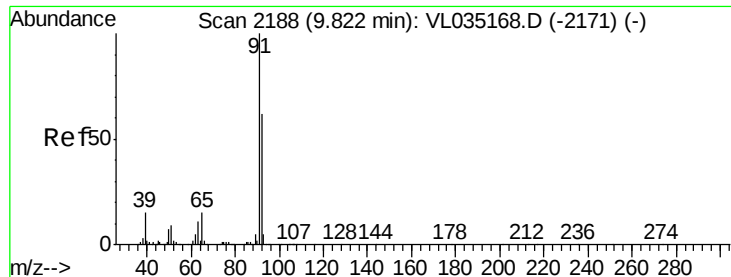
Tot Ion: 43 Resp: 1976605
Ion Ratio Lower Upper
43 100
58 49.1 39.4 59.0
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.450 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 164 Resp: 812631
Ion Ratio Lower Upper
164 100
166 121.4 100.7 151.1
129 97.3 85.8 128.6
131 105.2 82.0 123.0





#53

Toluene

Concen: 11.856 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

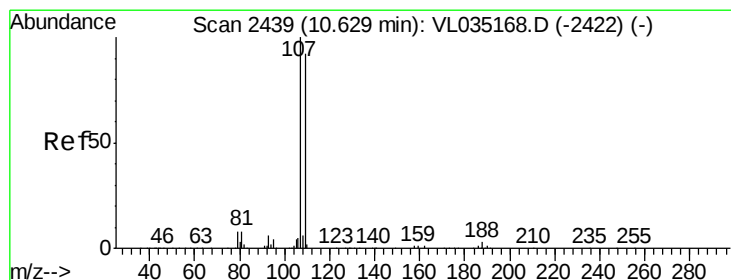
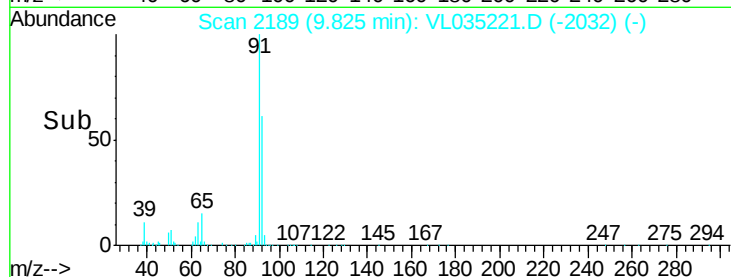
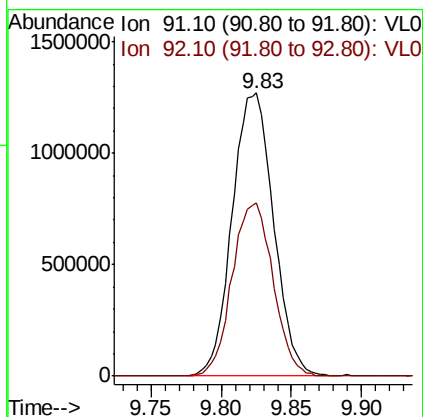
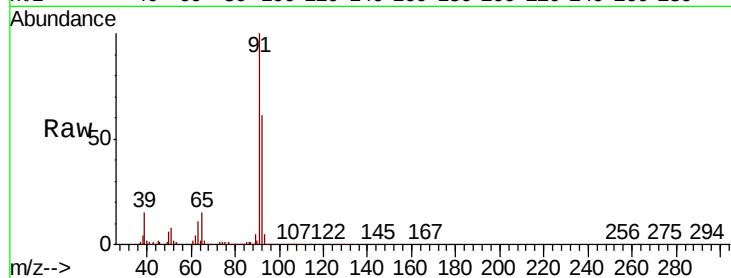
VSTDCCC010EC

Tot Ion: 91 Resp: 2605006

Ion Ratio Lower Upper

91 100

92 60.9 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.733 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035221.D

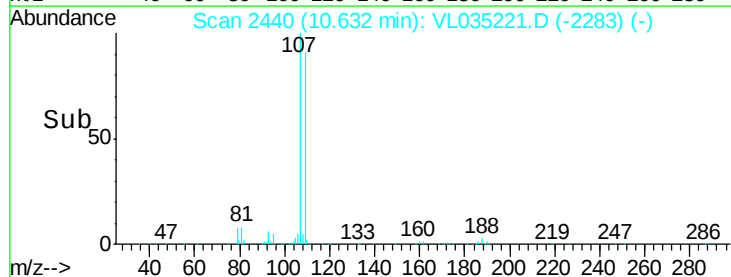
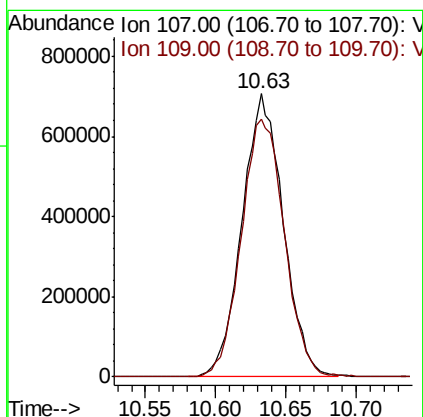
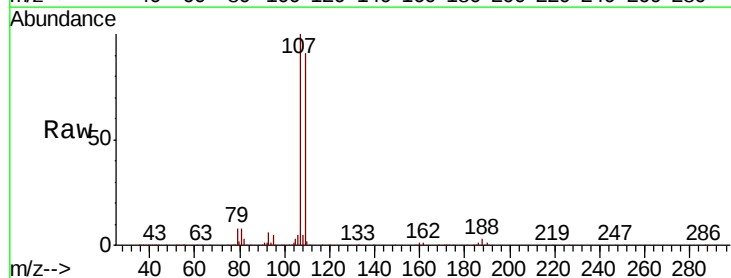
Acq: 21 Jul 2020 23:37

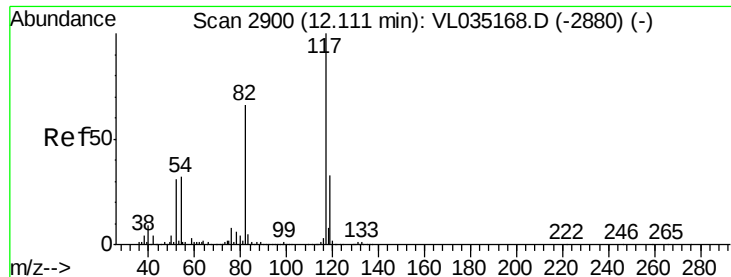
Tgt Ion: 107 Resp: 1443519

Ion Ratio Lower Upper

107 100

109 90.9 74.0 111.0

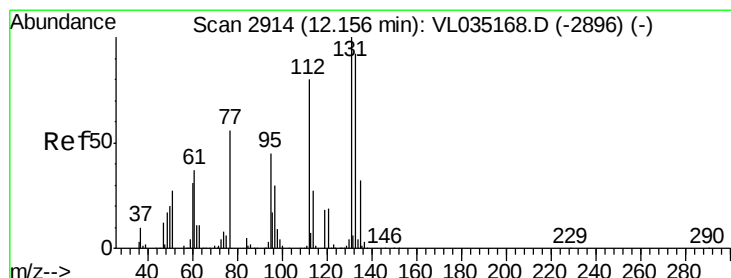
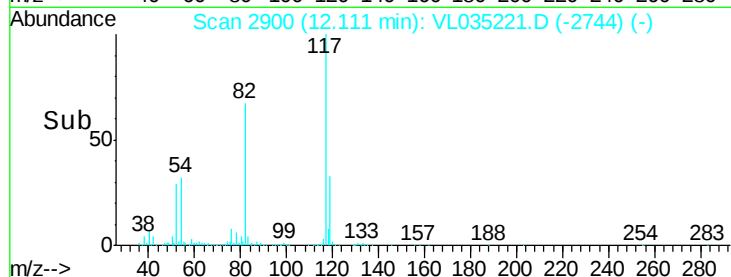
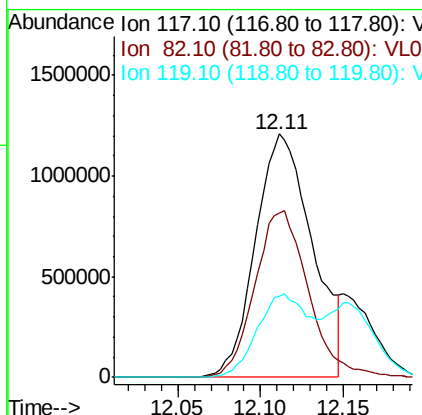
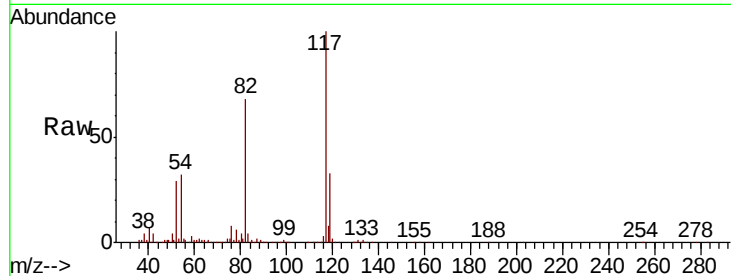




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

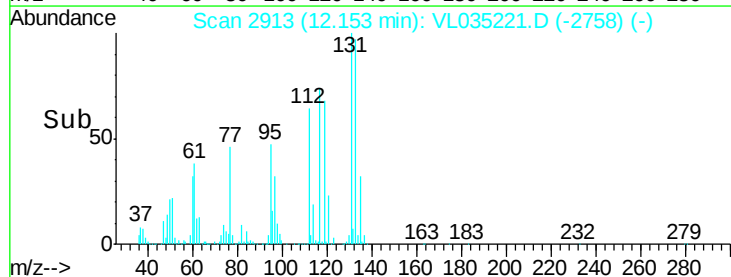
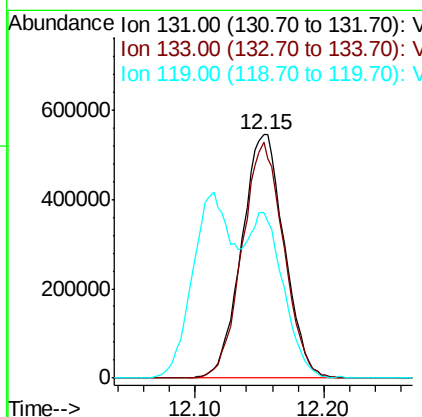
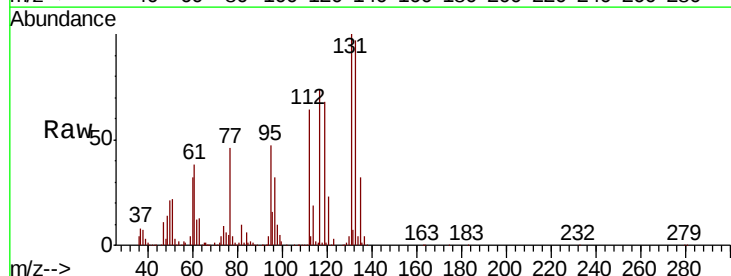
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

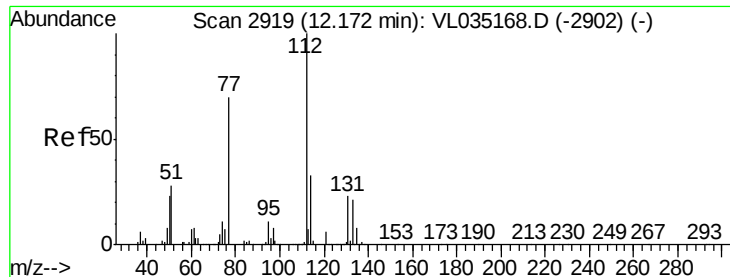
Tot Ion:117 Resp: 2874692
Ion Ratio Lower Upper
117 100
82 65.1 52.3 78.5
119 31.1 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 9.846 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion:131 Resp: 1254021
Ion Ratio Lower Upper
131 100
133 94.6 75.4 113.2
119 56.2 42.4 63.6





#57

Chlorobenzene

Concen: 9.688 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

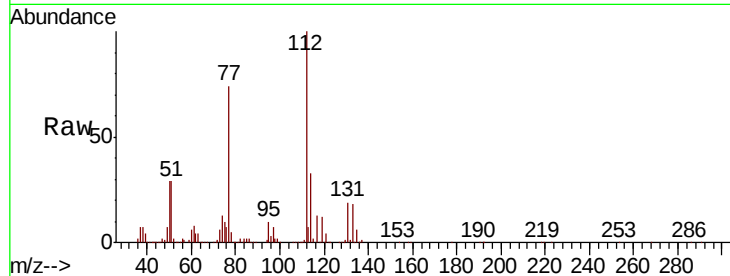
Tot Ion:112 Resp: 2052558

Ion Ratio Lower Upper

112 100

77 73.7 57.0 85.4

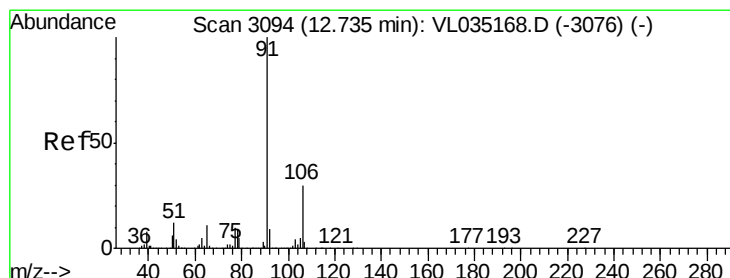
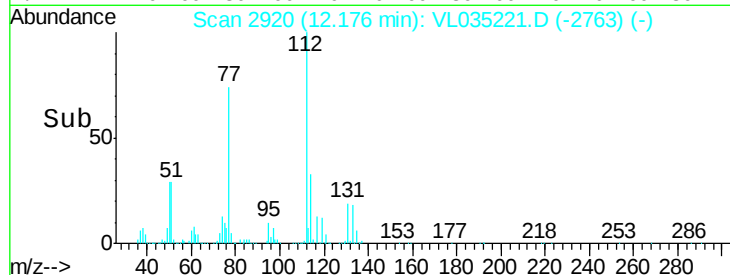
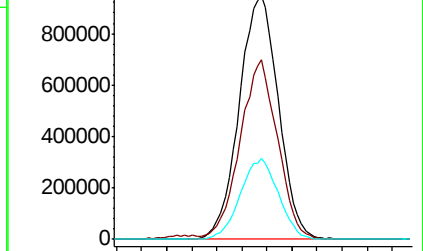
114 33.4 30.2 37.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.118 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VL035221.D

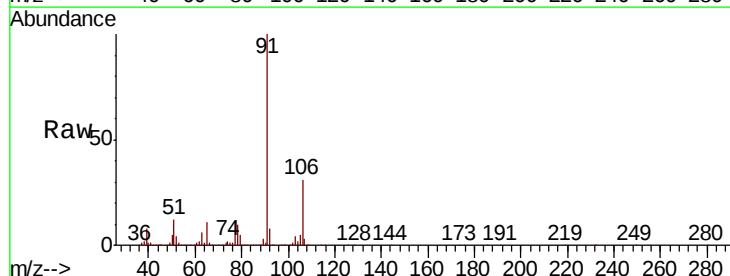
Acq: 21 Jul 2020 23:37

Tgt Ion: 91 Resp: 3532588

Ion Ratio Lower Upper

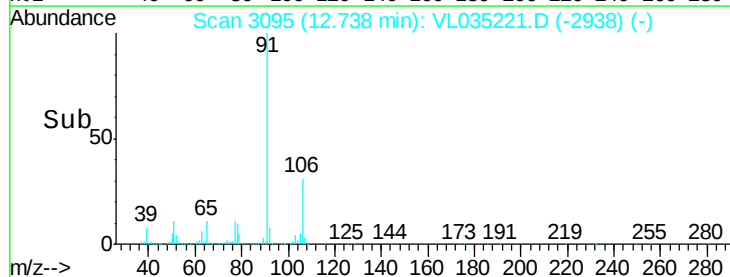
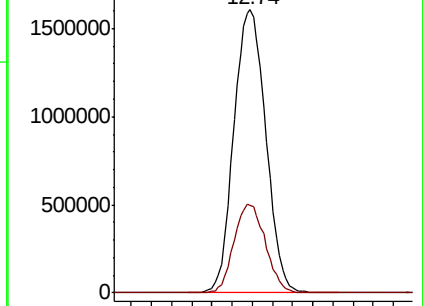
91 100

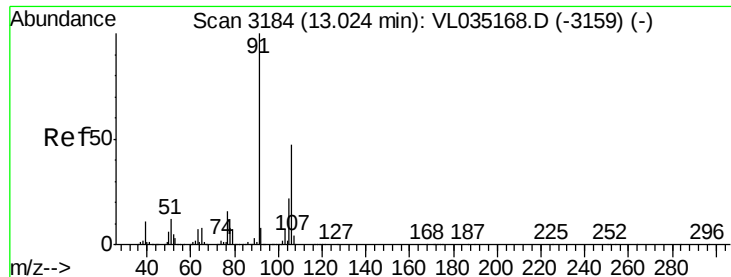
106 30.8 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

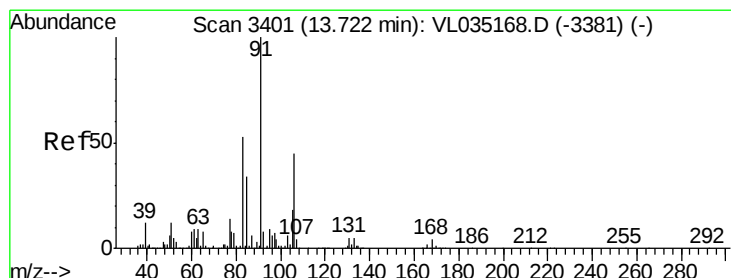
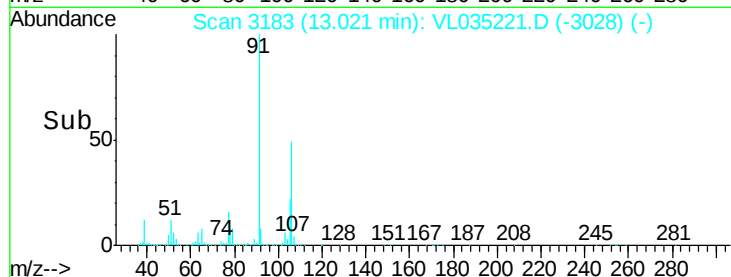
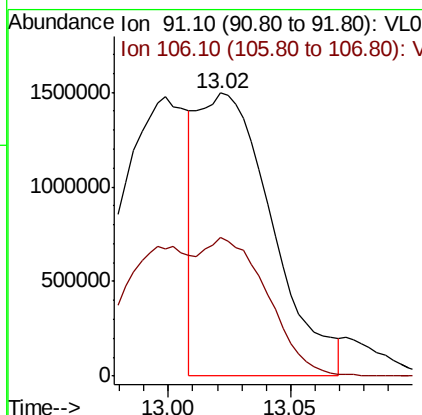
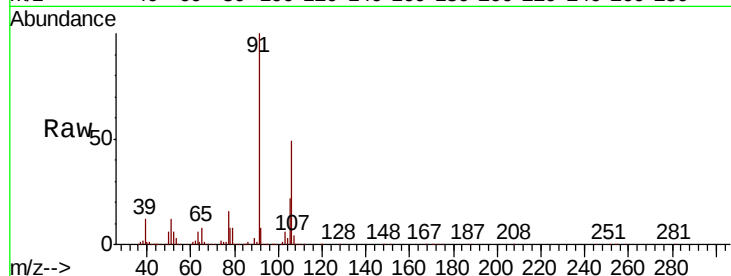




#59
m/p-Xylene
Concen: 11.176 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

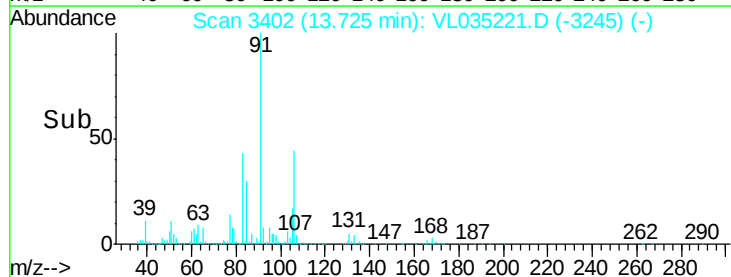
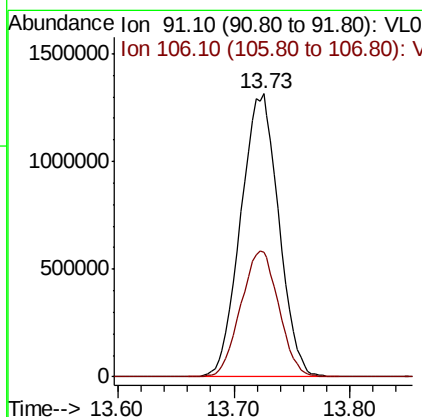
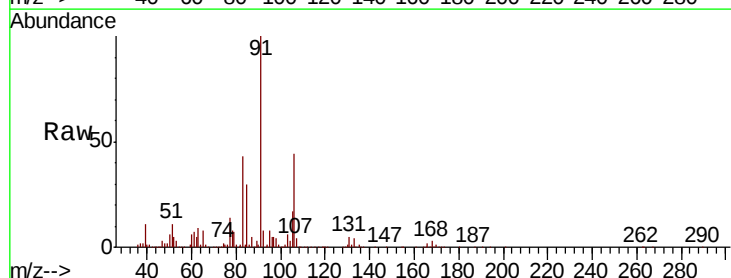
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

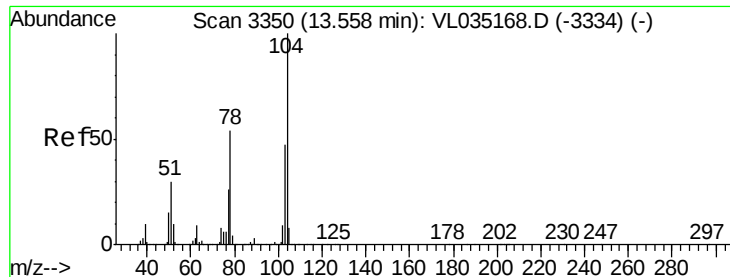
Tot Ion: 91 Resp: 3164828
Ion Ratio Lower Upper
91 100
106 86.9 36.2 54.2#



#60
o-Xylene
Concen: 10.619 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 91 Resp: 3000261
Ion Ratio Lower Upper
91 100
106 44.4 22.1 66.3





#61

Stvrene

Concen: 12.066 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

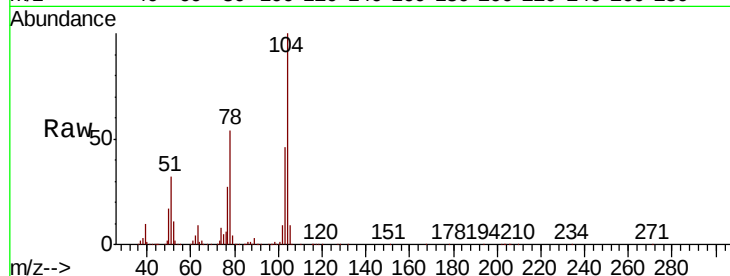
Tot Ion:104 Resp: 2106475

Ion Ratio Lower Upper

104 100

78 53.9 43.4 65.0

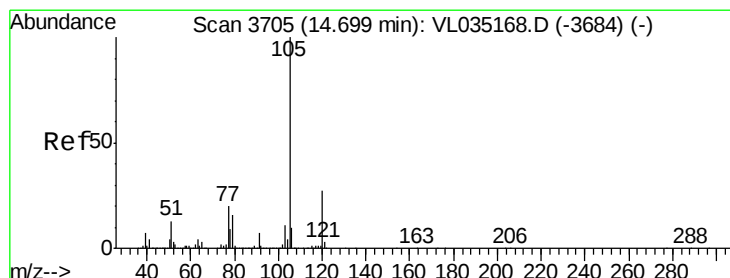
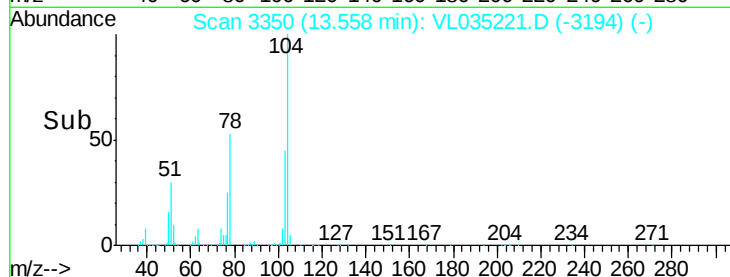
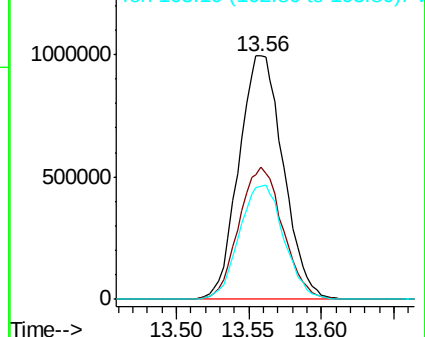
103 47.5 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.526 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. 0.00 min

Lab File: VL035221.D

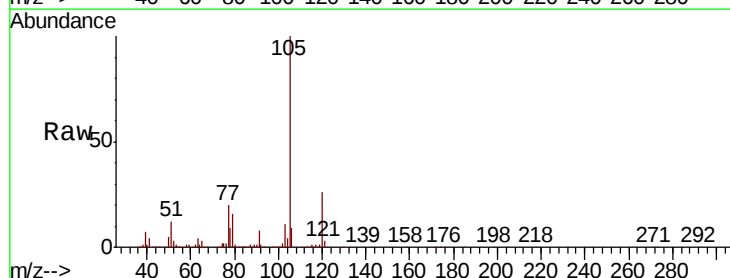
Acq: 21 Jul 2020 23:37

Tgt Ion:105 Resp: 4407940

Ion Ratio Lower Upper

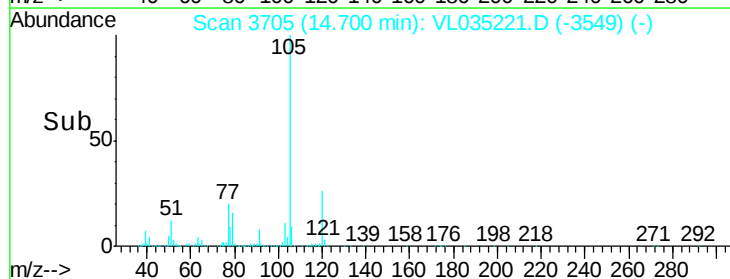
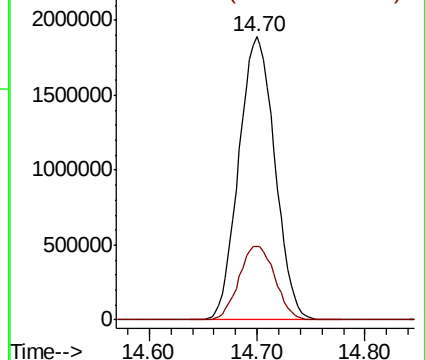
105 100

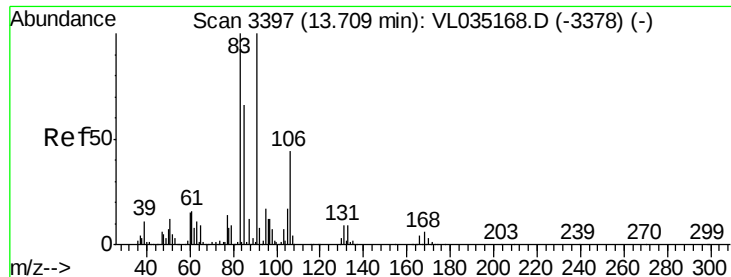
120 26.0 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 9.273 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

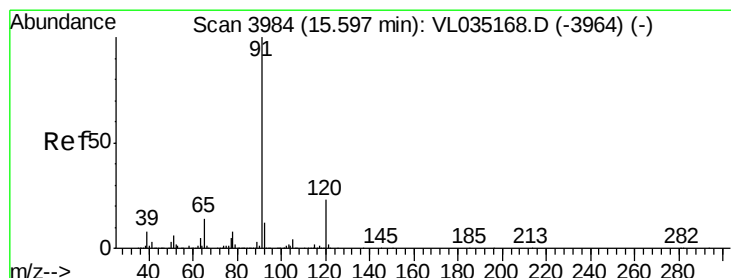
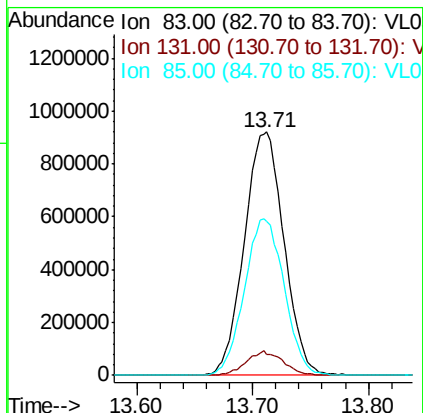
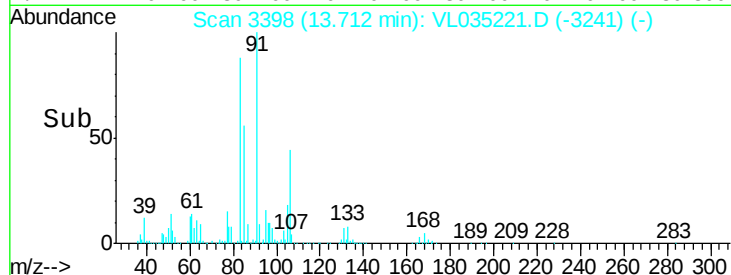
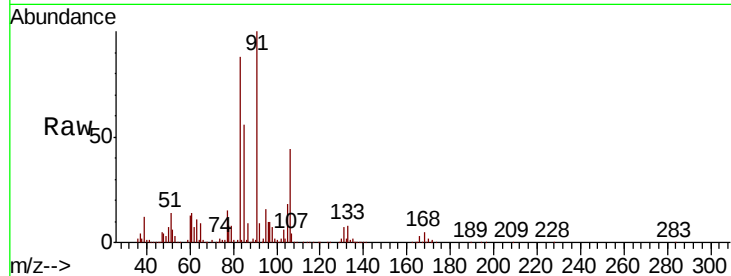
Tot Ion: 83 Resp: 2189288

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.0

85 64.8 33.0 99.0



#64

n-propylbenzene

Concen: 10.885 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VL035221.D

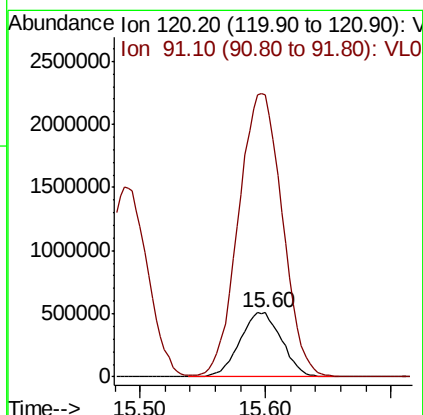
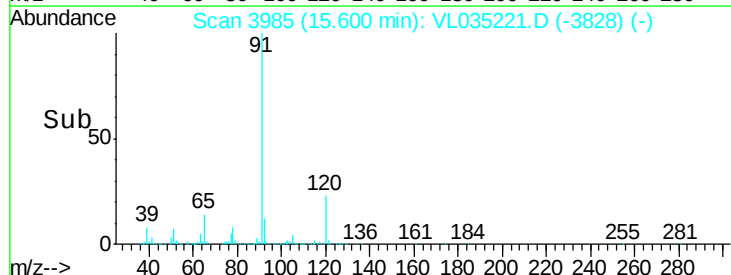
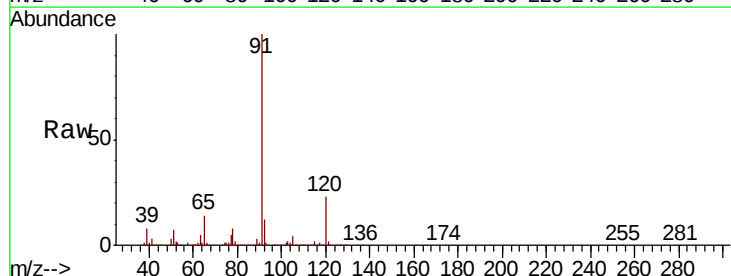
Acq: 21 Jul 2020 23:37

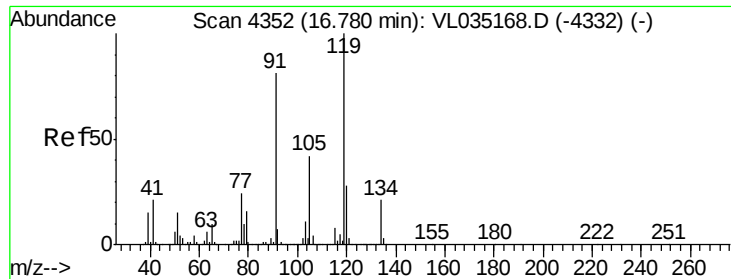
Tgt Ion: 120 Resp: 1177577

Ion Ratio Lower Upper

120 100

91 463.1 372.4 558.6

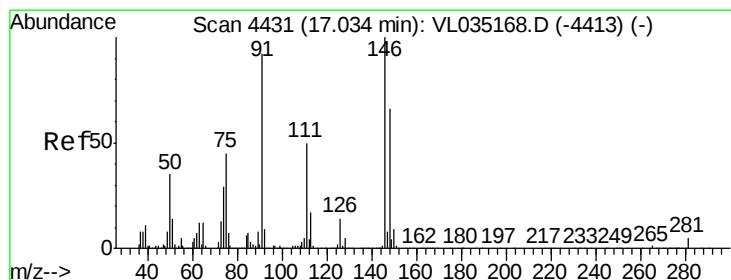
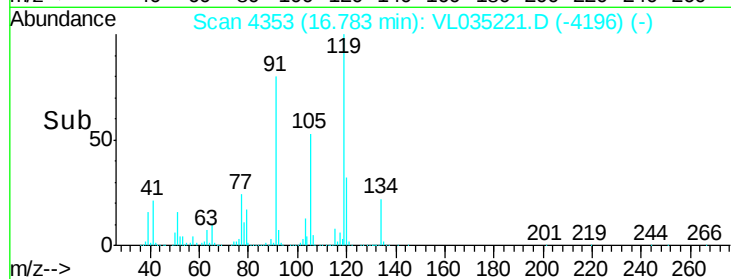
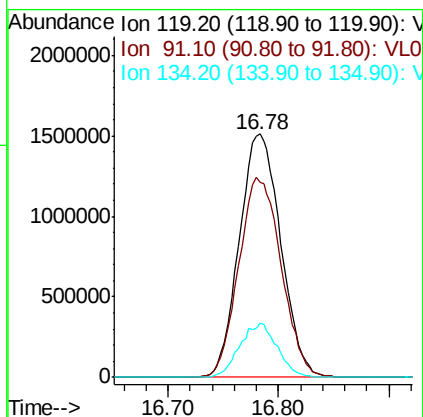
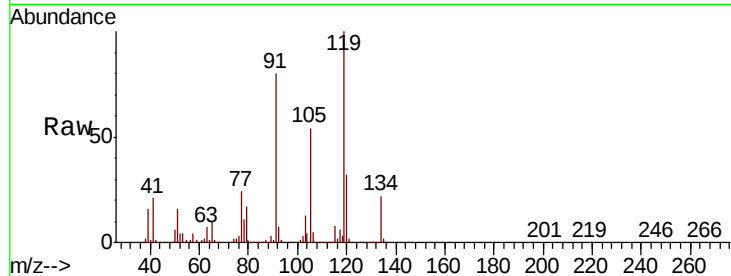




#65
tert-Butylbenzene
Concen: 10.465 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

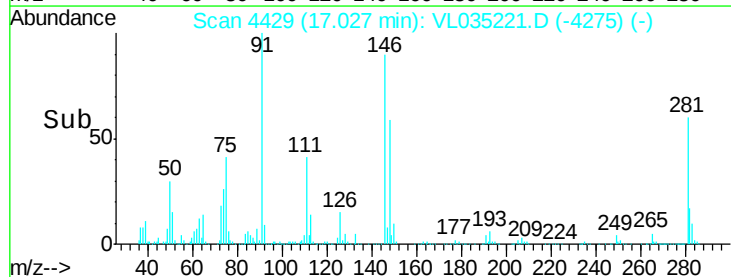
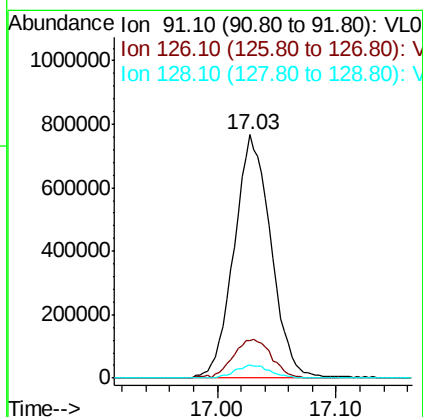
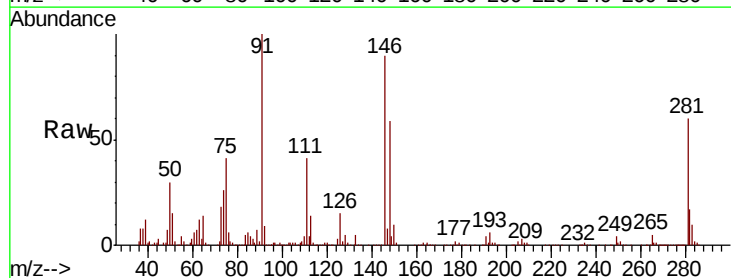
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

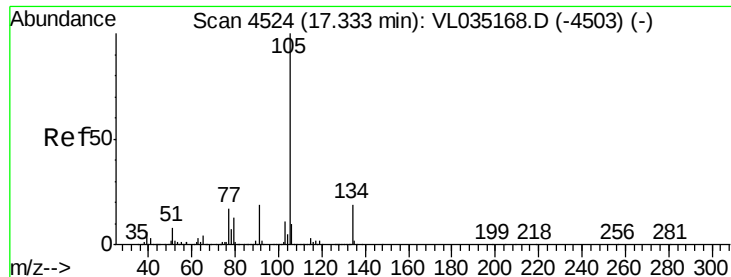
Tot Ion:119 Resp: 3936251
Ion Ratio Lower Upper
119 100
91 84.2 67.5 101.3
134 20.1 16.0 24.0



#66
Benzyl Chloride
Concen: 12.181 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.01 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 91 Resp: 1632309
Ion Ratio Lower Upper
91 100
126 17.2 13.9 20.9
128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 10.267 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

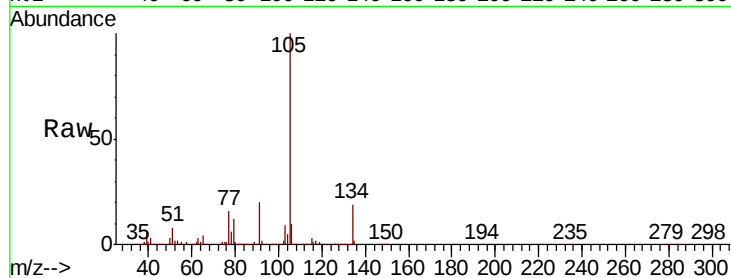
VSTDCCC010EC

Tot Ion:105 Resp: 5629895

Ion Ratio Lower Upper

105 100

134 18.7 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.33

2500000

2000000

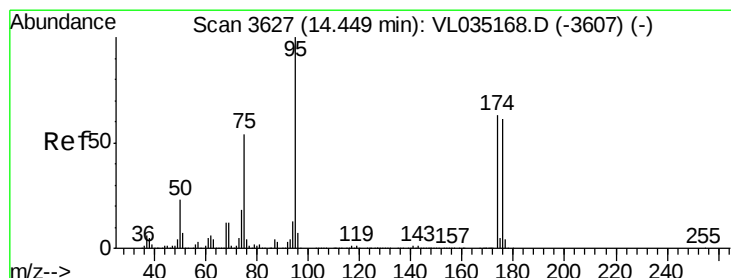
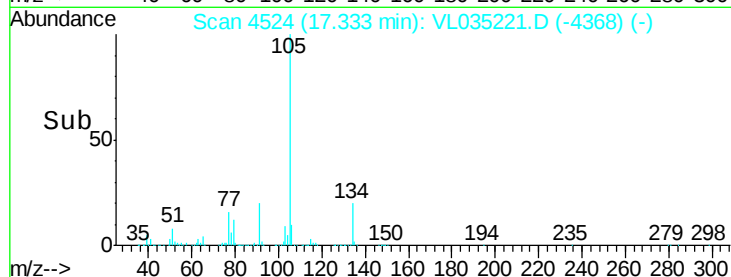
1500000

1000000

500000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.642 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

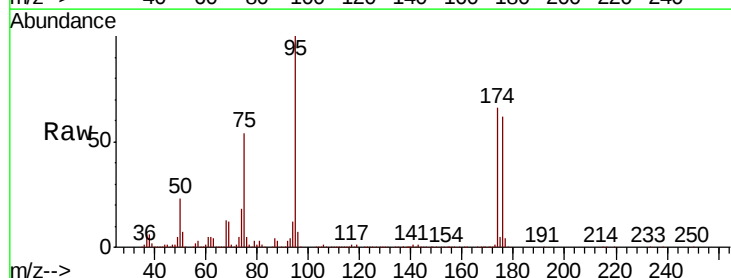
Tgt Ion: 95 Resp: 2251628

Ion Ratio Lower Upper

95 100

174 65.7 52.2 78.2

175 5.0 4.0 6.0



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

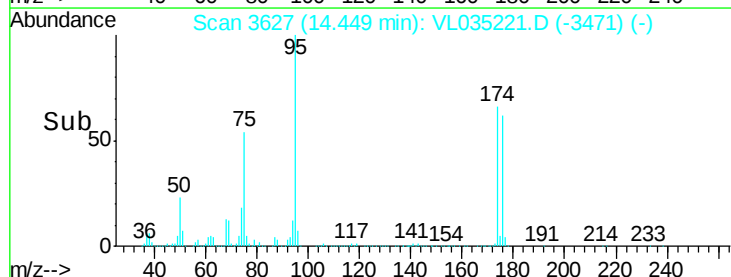
14.45

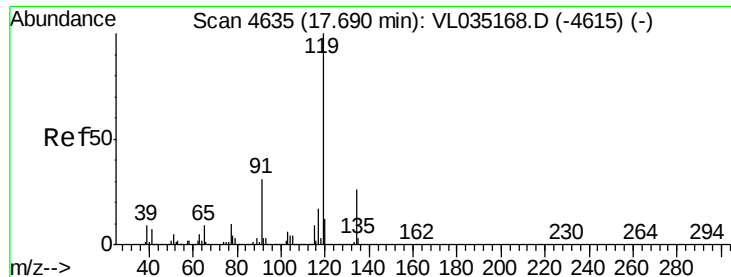
1000000

500000

0

Time--> 14.40 14.50

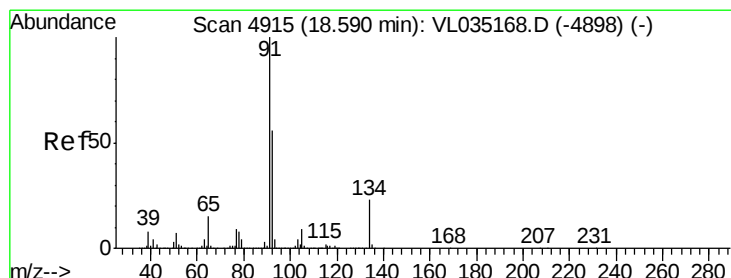
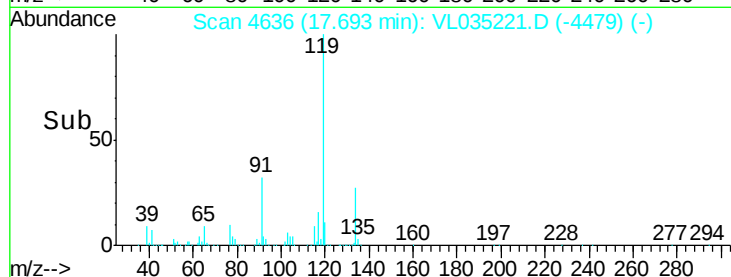
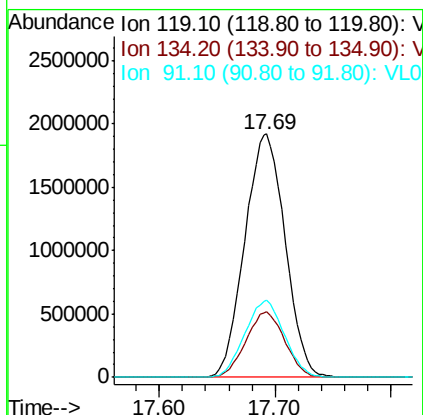
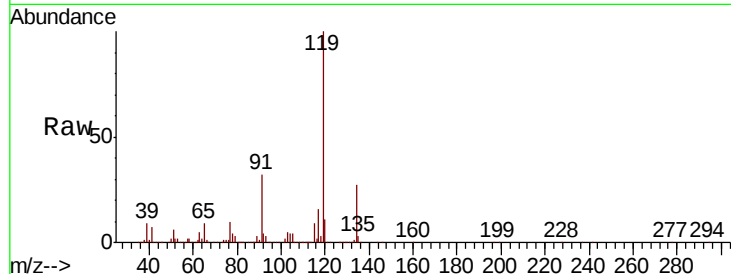




#69
p-Isopropyltoluene
Concen: 10.780 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

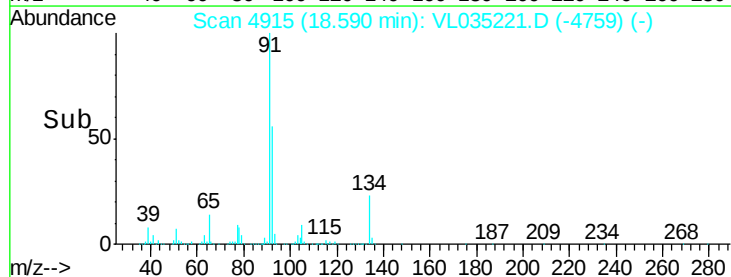
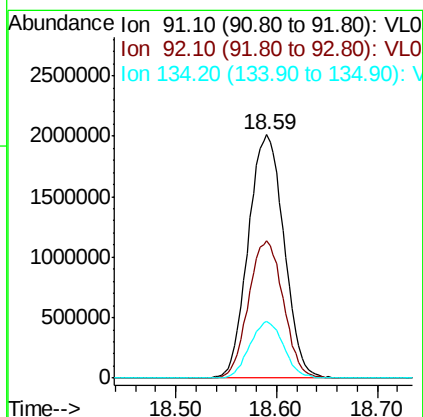
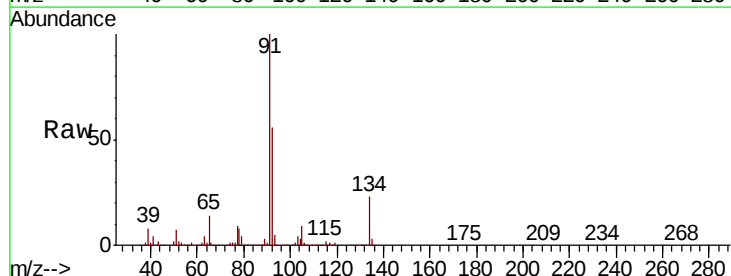
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

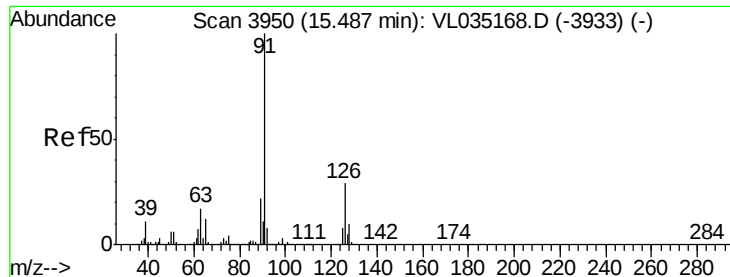
Tot Ion:119 Resp: 4633153
Ion Ratio Lower Upper
119 100
134 26.1 20.8 31.2
91 31.2 24.9 37.3



#70
n-Butylbenzene
Concen: 10.809 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL035221.D
Acq: 21 Jul 2020 23:37

Tgt Ion: 91 Resp: 4925222
Ion Ratio Lower Upper
91 100
92 55.1 44.0 66.0
134 22.3 18.0 27.0

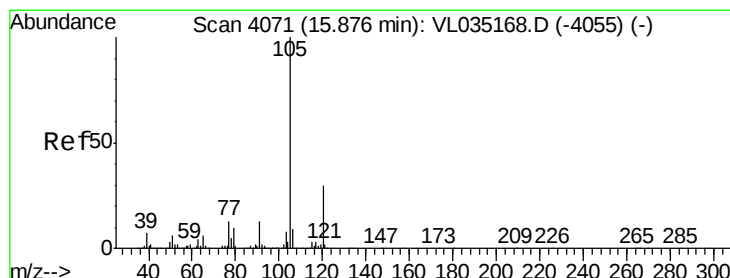
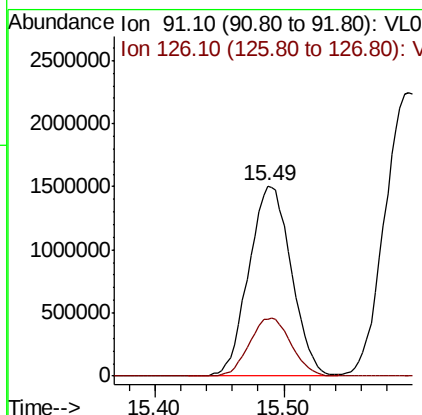
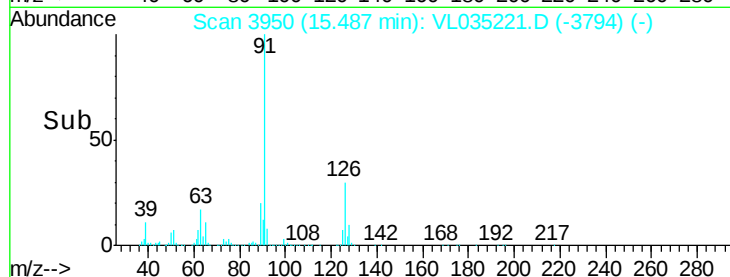
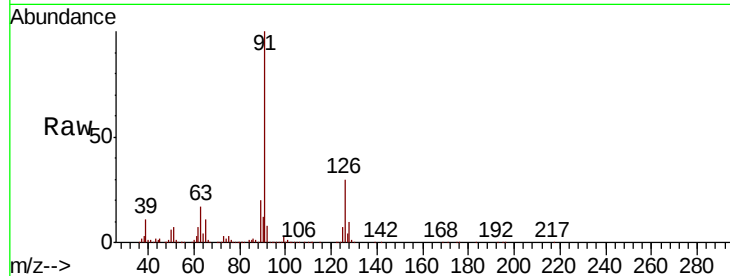




#71
 2-Chlorotoluene
 Concen: 10.911 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

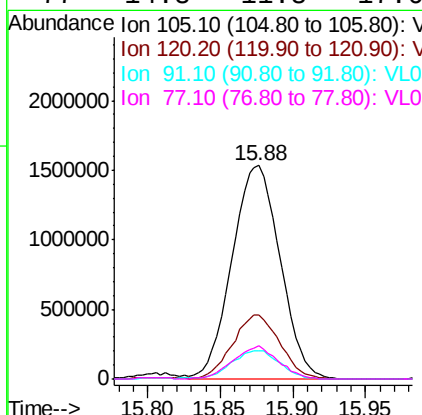
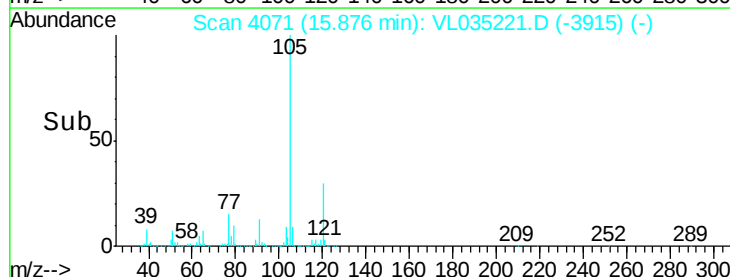
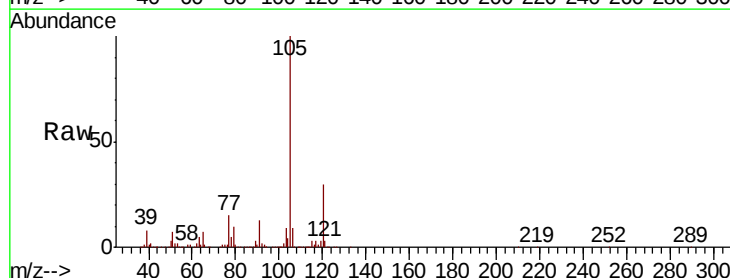
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

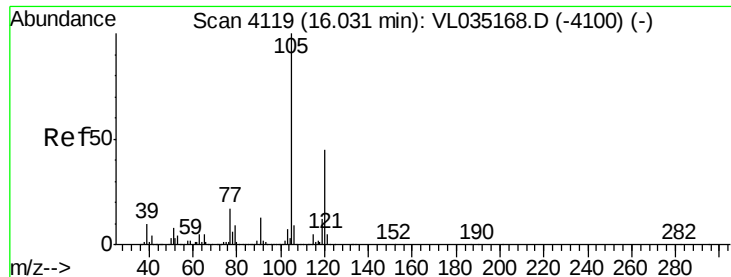
Tot Ion: 91 Resp: 3457454
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 11.052 ppbv
 RT: 15.88 min Scan# 4071
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Tgt Ion: 105 Resp: 3518227
 Ion Ratio Lower Upper
 105 100
 120 29.5 23.2 34.8
 91 13.5 10.9 16.3
 77 14.8 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.883 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

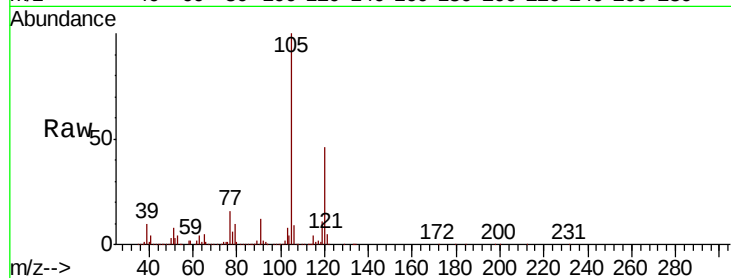
VSTDCCC010EC

Tot Ion:105 Resp: 3341056

Ion Ratio Lower Upper

105 100

120 45.7 36.2 54.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

1500000

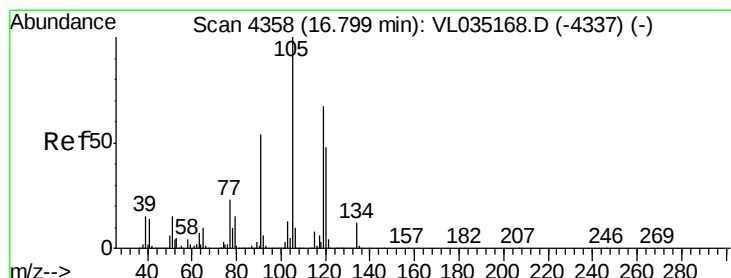
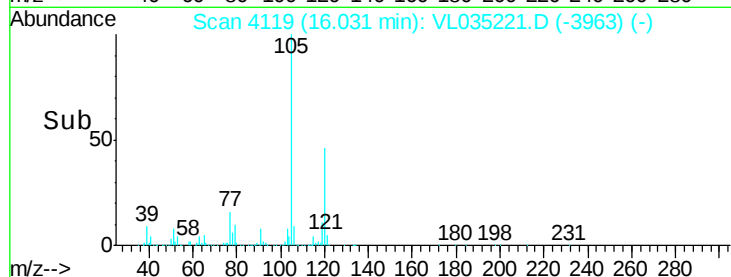
1000000

500000

0

Time-->

16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 10.324 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Tgt Ion:105 Resp: 3502532

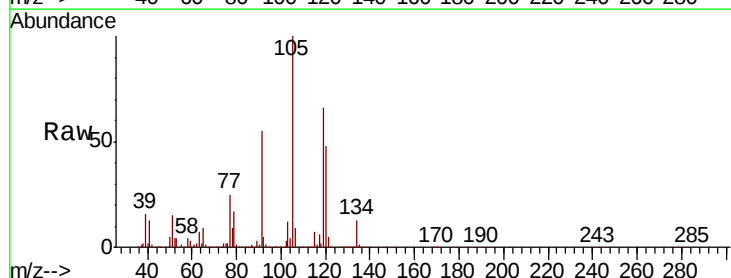
Ion Ratio Lower Upper

105 100

120 47.5 38.6 57.8

91 54.6 43.6 65.4

77 24.9 18.3 27.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

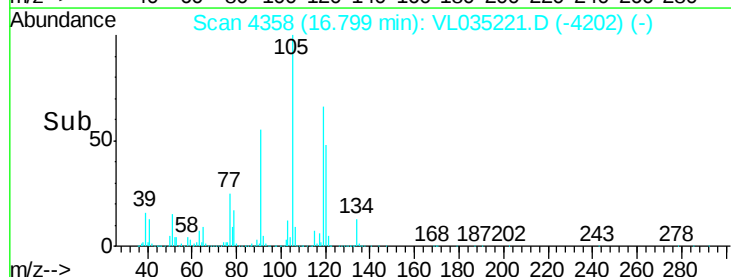
1000000

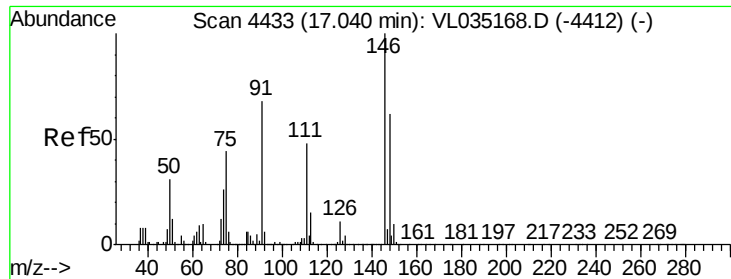
500000

0

Time-->

16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 9.433 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

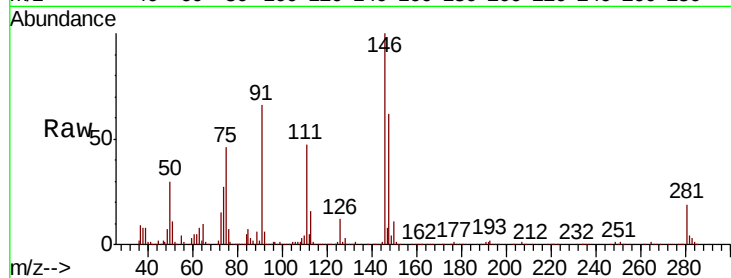
Tot Ion:146 Resp: 2026598

Ion Ratio Lower Upper

146 100

111 48.1 24.7 74.1

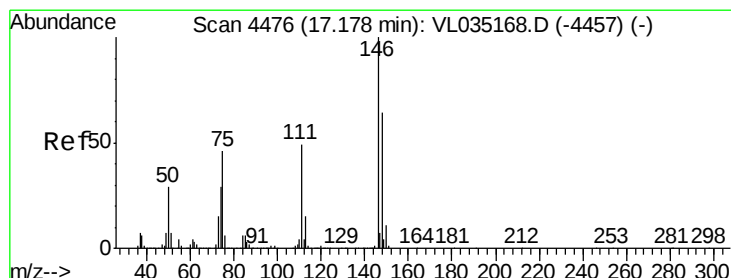
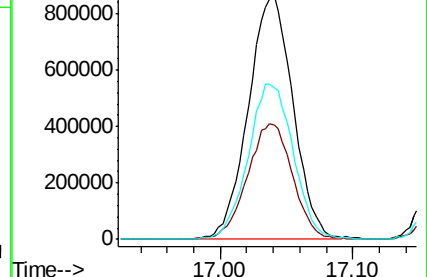
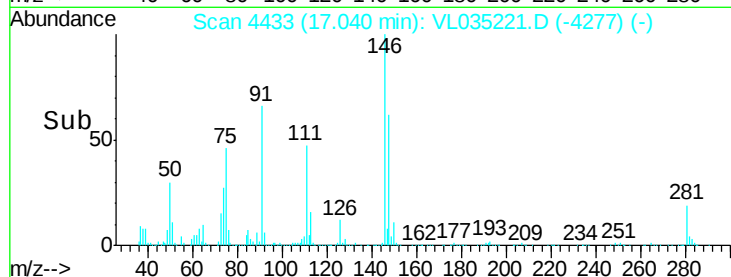
148 64.6 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.187 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

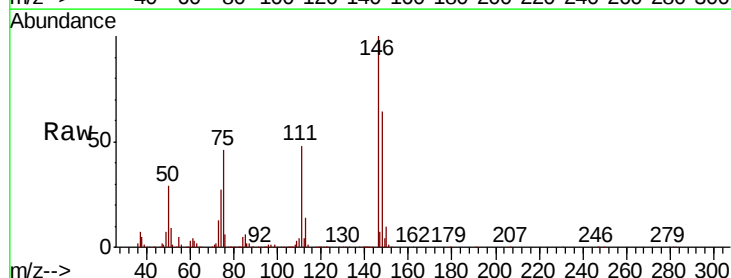
Tgt Ion:146 Resp: 2034015

Ion Ratio Lower Upper

146 100

111 46.3 23.8 71.2

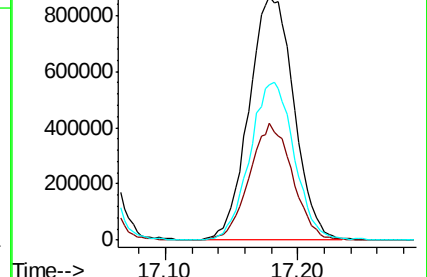
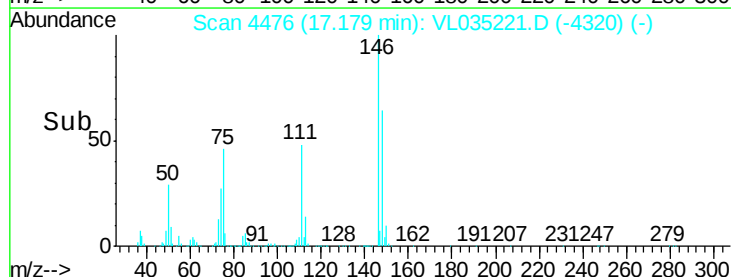
148 64.0 32.3 96.9

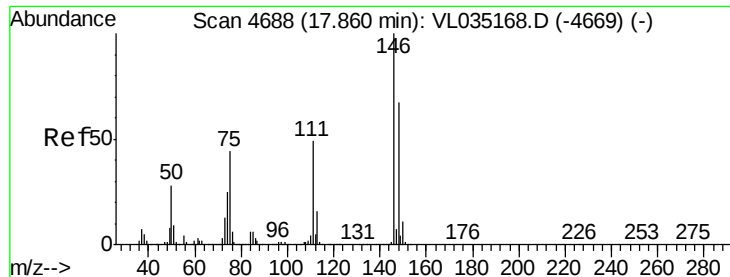


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.045 ppbv

RT: 17.86 min Scan# 4689

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

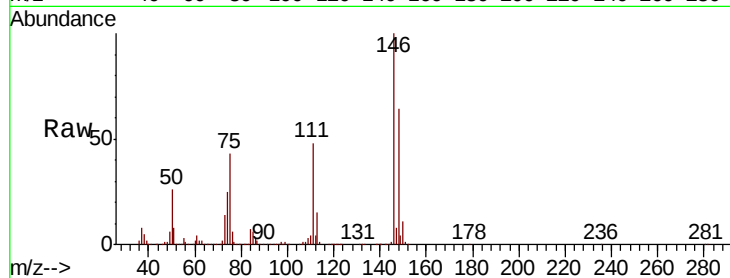
Tot Ion:146 Resp: 1943013

Ion Ratio Lower Upper

146 100

111 49.8 25.1 75.2

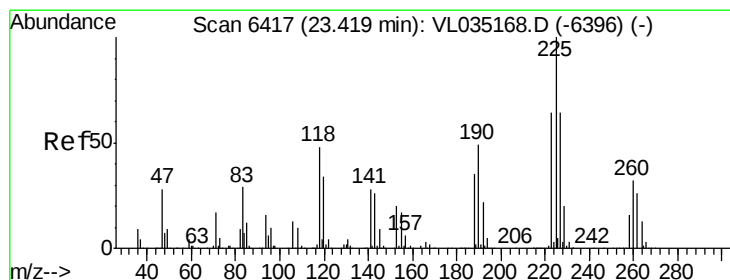
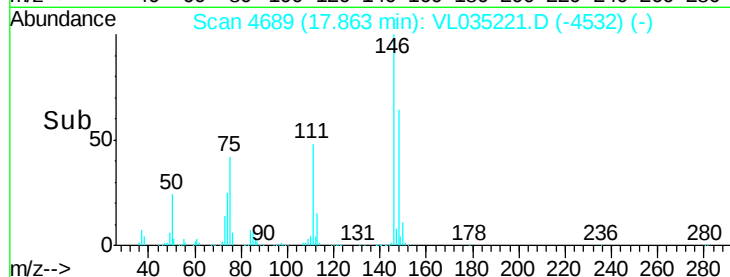
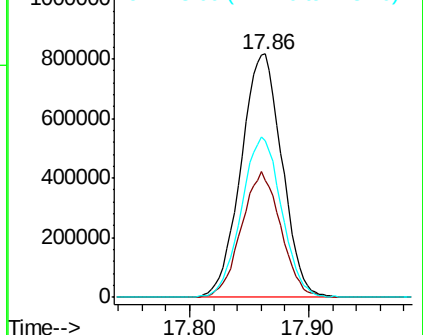
148 65.3 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.334 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

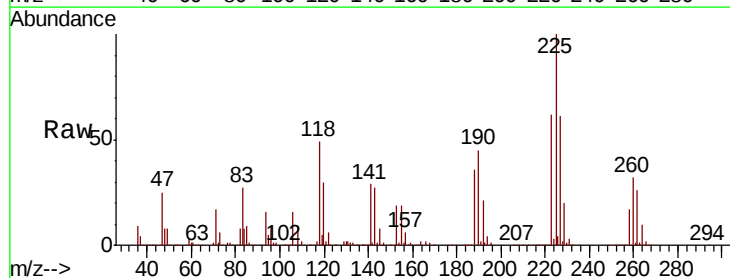
Tgt Ion:225 Resp: 1426842

Ion Ratio Lower Upper

225 100

223 62.8 50.2 75.2

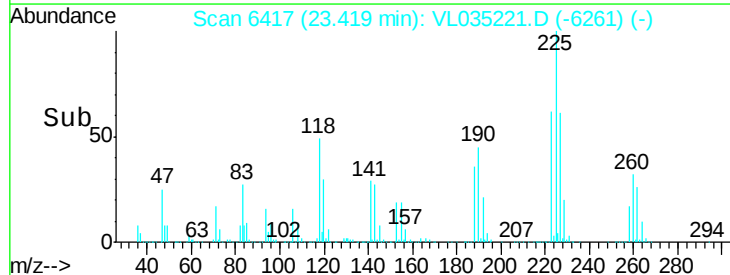
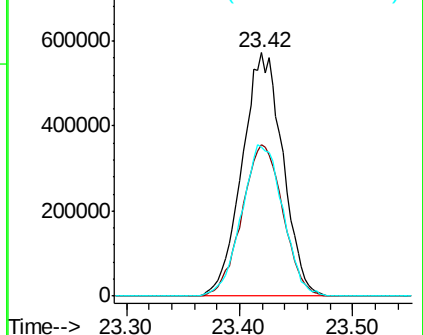
227 63.2 51.2 76.8

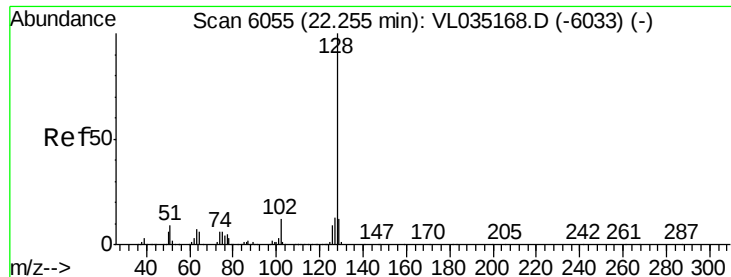


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.228 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

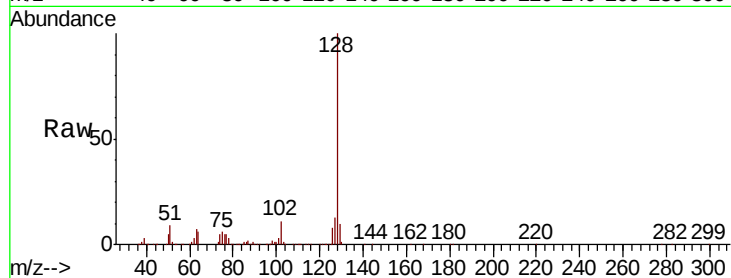
Tot Ion:128 Resp: 2903918

Ion Ratio Lower Upper

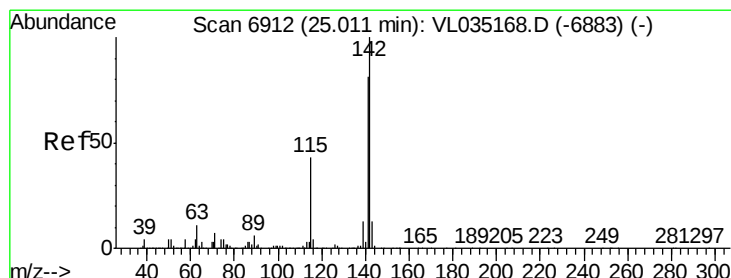
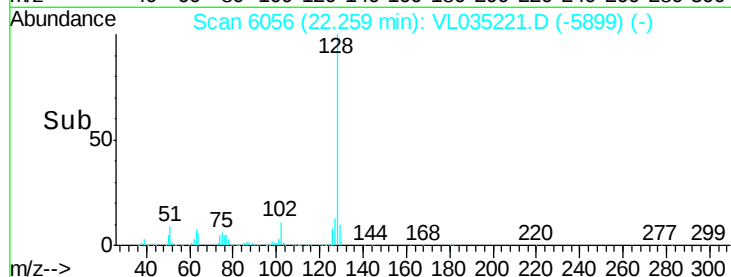
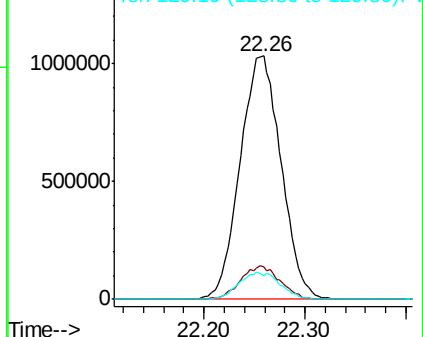
128 100

127 13.4 10.8 16.2

129 9.8 9.4 14.2



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: 20.816 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. 0.00 min

Lab File: VL035221.D

Acq: 21 Jul 2020 23:37

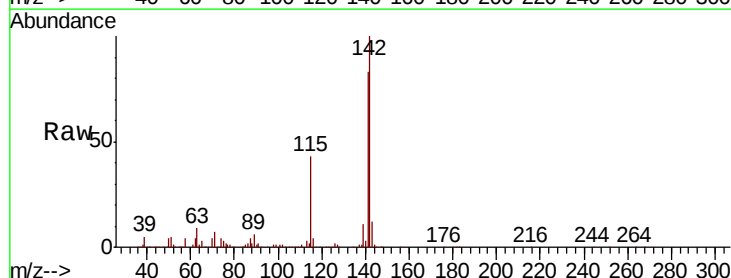
Tgt Ion:142 Resp: 1079410

Ion Ratio Lower Upper

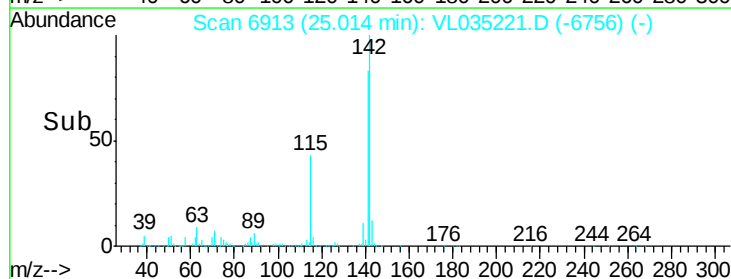
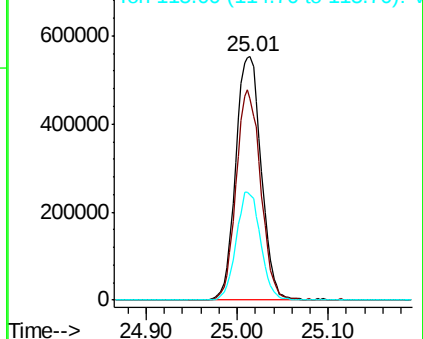
142 100

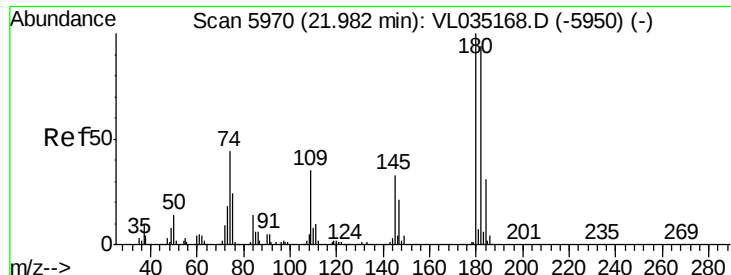
141 82.9 68.2 102.4

115 42.2 34.4 51.6



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

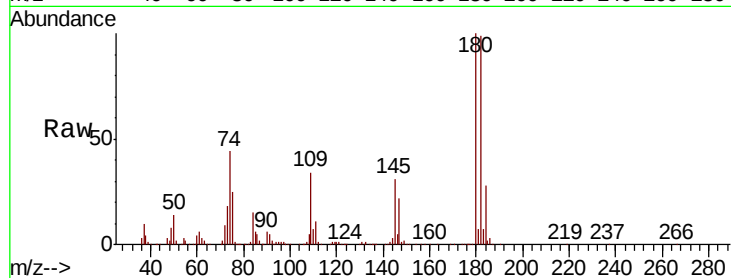




#81
 1,2,4-Trichlorobenzene
 Concen: 11.653 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035221.D
 Acq: 21 Jul 2020 23:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1620578
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.7 115.1
 184 31.7 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
 800000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

