

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035143.D
 Acq On : 6 Jul 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: Jul 07 05:02:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1230831	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2932650	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3533187	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2386431	8.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1275005	7.671	ppbv 98
3) Chlorodifluoromethane	2.94	51	1300722	9.567	ppbv 98
4) Chloromethane	3.09	50	727421	9.544	ppbv 98
5) Vinyl Chloride	3.21	62	745051	10.279	ppbv 96
6) Bromomethane	3.43	94	458448	10.186	ppbv 98
7) Chloroethane	3.51	64	285768	10.455	ppbv 96
8) Dichlorotetrafluoroethane	3.14	85	1721664	9.661	ppbv 100
9) Propene	2.96	41	526870	9.786	ppbv 99
10) Heptane	8.12	43	1471936	10.549	ppbv 100
11) Trichlorofluoromethane	3.91	101	1816349	10.230	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1287053	10.483	ppbv 100
13) Ethanol	3.56	45	150887	7.418	ppbv 94
14) Bromoethene	3.70	108	561953	10.618	ppbv 98
15) Acetone	3.81	43	1387652	9.325	ppbv 99
16) 1,3-Butadiene	3.28	39	674278	10.331	ppbv 100
17) tert-Butyl alcohol	4.26	59	1549502	11.749	ppbv 99
18) 1,1-Dichloroethene	4.25	96	599154	10.820	ppbv 97
19) Isopropyl Alcohol	3.93	45	1071226	11.086	ppbv # 98
20) Methylene Chloride	4.31	84	523199	8.687	ppbv 97
21) Allyl Chloride	4.38	41	976099	11.037	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	597452	11.532	ppbv 97
23) Vinyl Acetate	5.05	43	1950074	10.796	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1522388	9.997	ppbv 99
25) Ethyl Acetate	5.66	43	2582338	9.615	ppbv 100
26) Hexane	5.67	57	1155795	9.546	ppbv 99
27) Carbon Disulfide	4.52	76	1569262	12.524	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1829185	10.752	ppbv 98
29) Chloroform	5.74	83	1850047	9.764	ppbv 96
30) Cyclohexane	7.13	84	976389	11.236	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1172243	10.502	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	1815495	10.330	ppbv 100
34) 2-Butanone	5.22	43	1651971	9.809	ppbv 100
35) Carbon Tetrachloride	7.02	117	1875899	10.665	ppbv 95
36) Benzene	6.89	78	2302181	10.138	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1450928	10.110	ppbv 100
38) Trichloroethene	7.84	130	914615	10.369	ppbv 95
39) 1,2-Dichloropropane	7.62	63	897784	10.108	ppbv 98
40) 1,4-Dioxane	7.83	88	355582	10.150	ppbv # 92
41) Tetrahydrofuran	6.03	42	899399	10.456	ppbv 99
42) Bromodichloromethane	7.80	83	1986068	10.685	ppbv 96
43) Methyl Methacrylate	8.02	69	1046909	10.891	ppbv 98

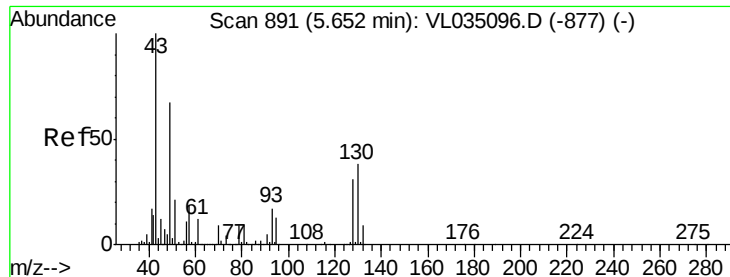
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035143.D
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 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3959181	9.989	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1190394	12.725	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1413043	12.159	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	977186	10.081	ppbv	98
48) Dibromochloromethane	10.32	129	1662913	11.507	ppbv	99
49) Bromoform	13.07	173	1434690	11.686	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2443477	10.212	ppbv	99
51) 2-Hexanone	10.15	43	2013103	10.743	ppbv	100
52) Tetrachloroethene	11.25	164	834558	10.430	ppbv	97
53) Toluene	9.82	91	2690982	11.110	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1477780	10.296	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1252574	8.663	ppbv #	61
57) Chlorobenzene	12.17	112	2059342	7.921	ppbv	97
58) Ethyl Benzene	12.73	91	3625353	9.132	ppbv	99
59) m/p-Xylene	13.02	91	3290612	9.353	ppbv #	43
60) o-Xylene	13.72	91	2984094	8.520	ppbv	99
61) Styrene	13.56	104	2118876	9.614	ppbv	100
62) Isopropylbenzene	14.70	105	4391628	8.402	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2110895	7.441	ppbv	100
64) n-propylbenzene	15.60	120	1146223	8.594	ppbv	98
65) tert-Butylbenzene	16.78	119	3792499	8.474	ppbv	99
66) Benzyl Chloride	17.03	91	1541756	11.152	ppbv	99
67) sec-Butylbenzene	17.33	105	5334421	8.316	ppbv	100
69) p-Isopropyltoluene	17.69	119	4420574	8.640	ppbv	99
70) n-Butylbenzene	18.59	91	4598890	8.344	ppbv	99
71) 2-Chlorotoluene	15.49	91	3382888	8.563	ppbv	100
72) 4-Ethyltoluene	15.87	105	3437771	8.823	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3221533	8.747	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3349044	8.147	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1917336	7.816	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1904429	8.115	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1799089	8.015	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1509069	7.479	ppbv	100
79) Naphthalene	22.26	128	3262654	9.053	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1590518	11.542	ppbv	98
81) 1,2,4-Trichlorobenzene	21.99	180	742673	3.572	ppbv #	1

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL035143.D

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Instrument :

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ClientSampleId :

VSTDCCC010

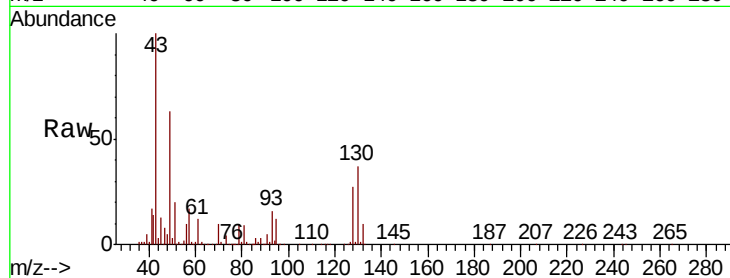
Tot Ion: 49 Resp: 1230831

Ion Ratio Lower Upper

49 100

128 46.2 22.9 68.5

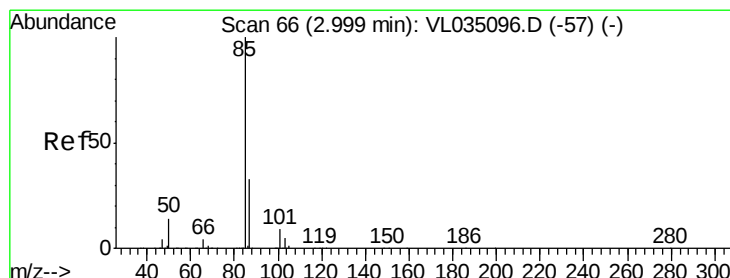
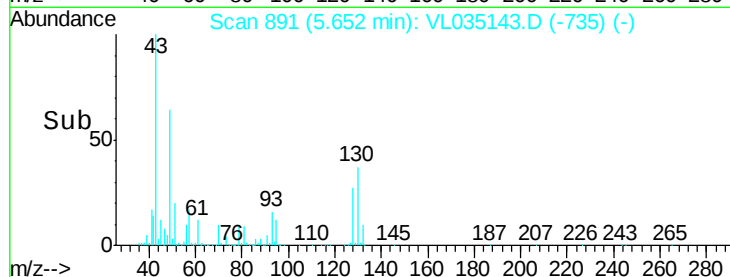
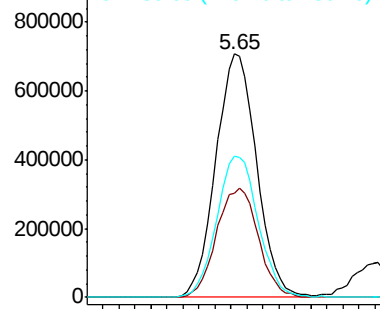
130 59.4 29.0 87.0



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: 7.671 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035143.D

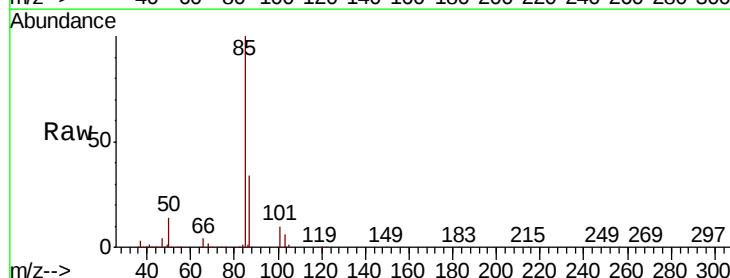
Acq: 6 Jul 2020 9:47

Tgt Ion: 85 Resp: 1275005

Ion Ratio Lower Upper

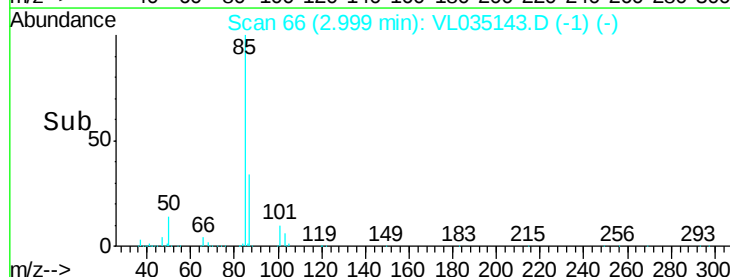
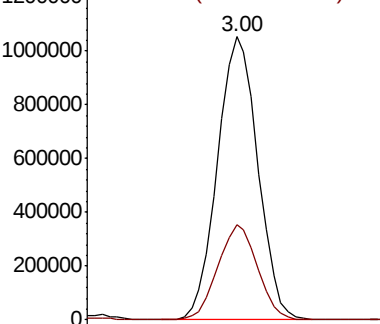
85 100

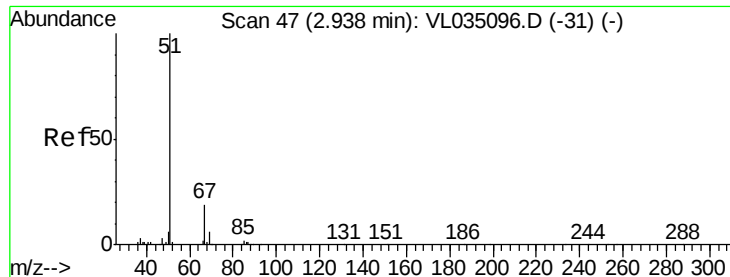
87 33.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

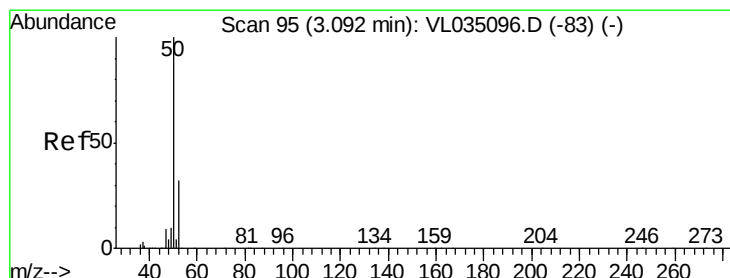
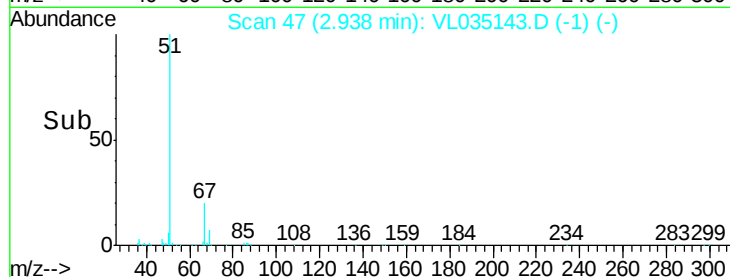
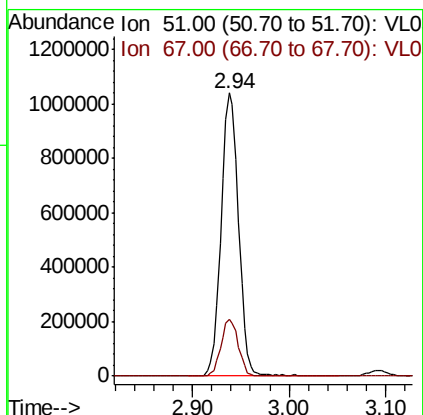
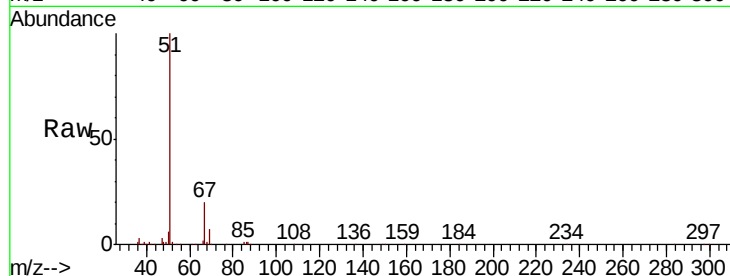




#3
Chlorodifluoromethane
Concen: 9.567 ppbv
RT: 2.94 min Scan# 47
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

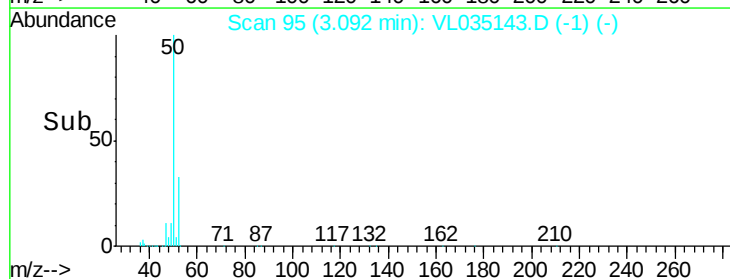
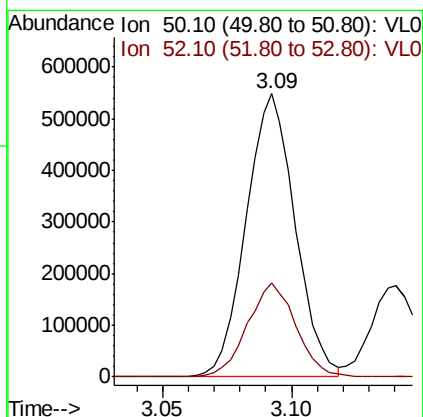
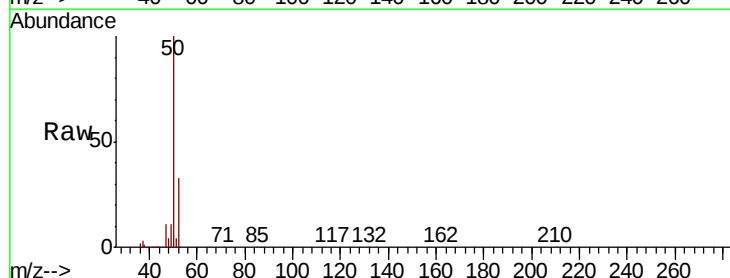
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

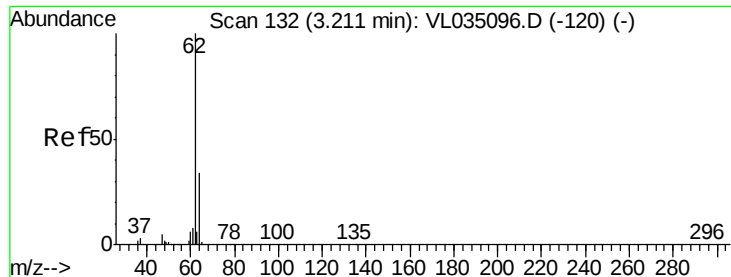
Tot Ion: 51 Resp: 1300722
Ion Ratio Lower Upper
51 100
67 20.0 15.2 22.8



#4
Chloromethane
Concen: 9.544 ppbv
RT: 3.09 min Scan# 95
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 50 Resp: 727421
Ion Ratio Lower Upper
50 100
52 33.0 25.4 38.0





#5

Vinyl Chloride

Concen: 10.279 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

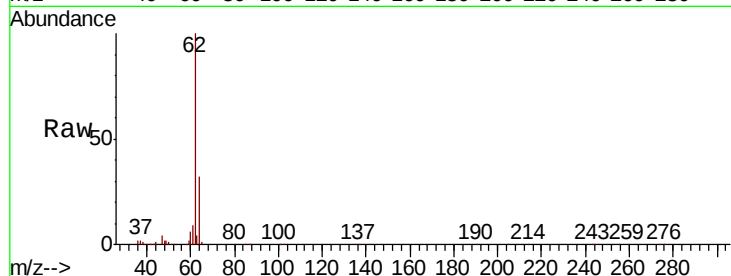
VSTDCCC010

Tot Ion: 62 Resp: 745051

Ion Ratio Lower Upper

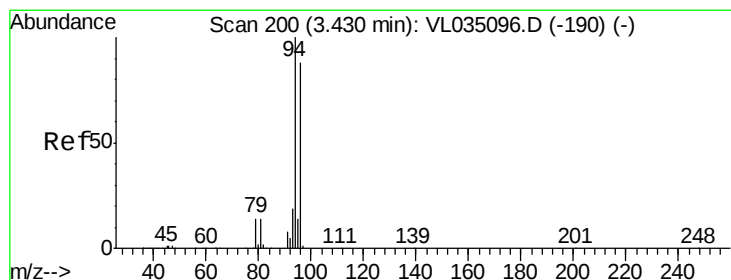
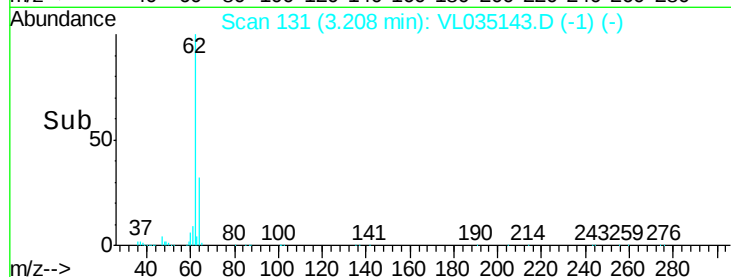
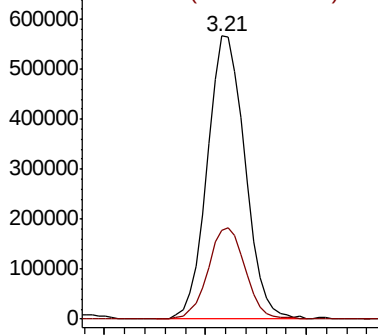
62 100

64 31.5 27.0 40.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.186 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035143.D

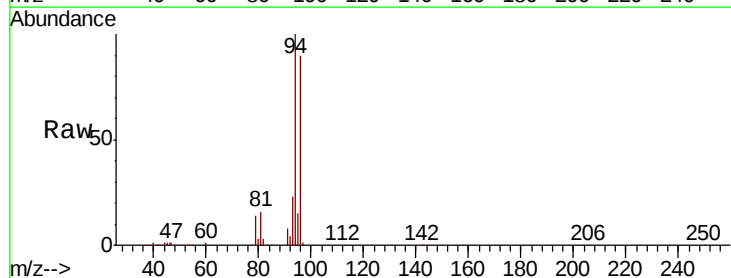
Acq: 6 Jul 2020 9:47

Tgt Ion: 94 Resp: 458448

Ion Ratio Lower Upper

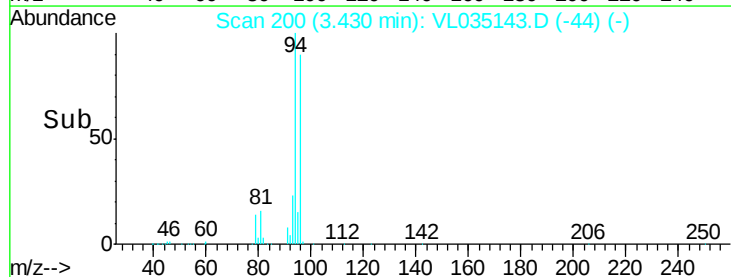
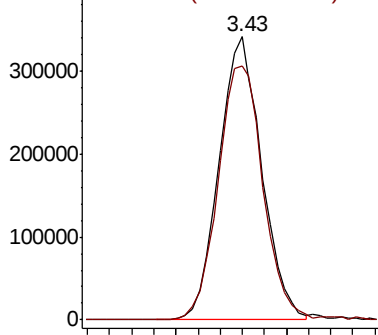
94 100

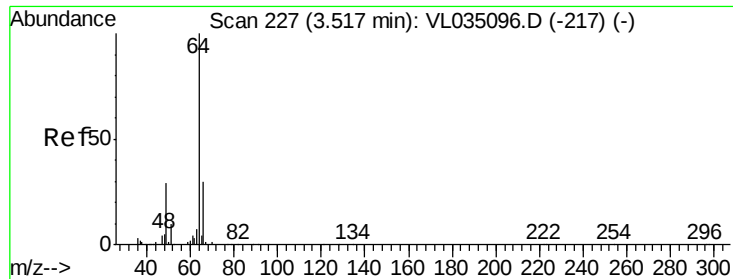
96 89.6 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.455 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

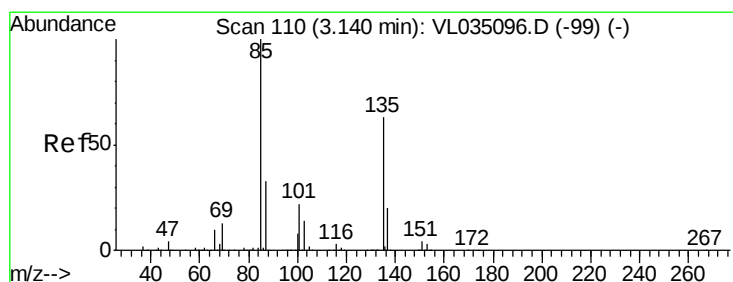
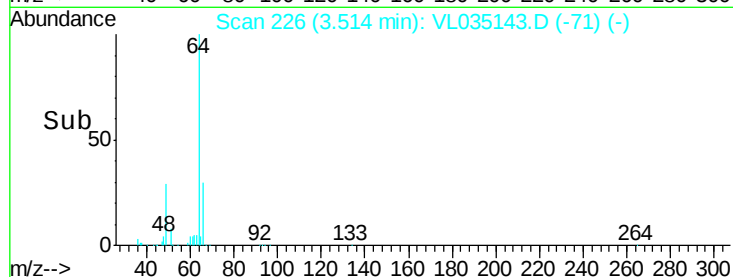
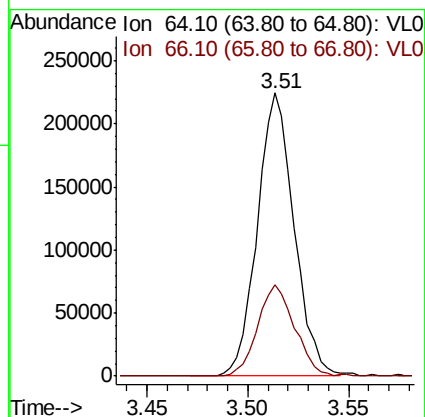
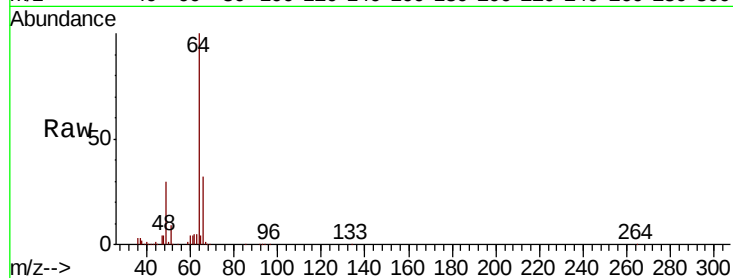
VSTDCCC010

Tot Ion: 64 Resp: 285768

Ion Ratio Lower Upper

64 100

66 32.3 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 9.661 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035143.D

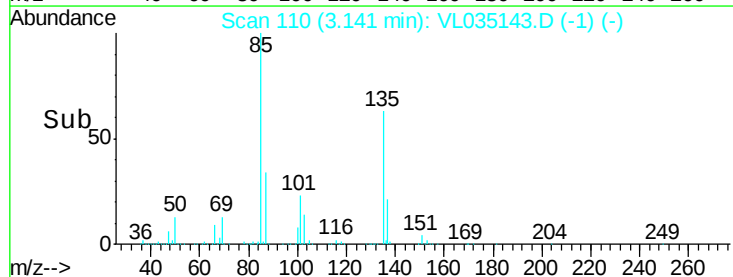
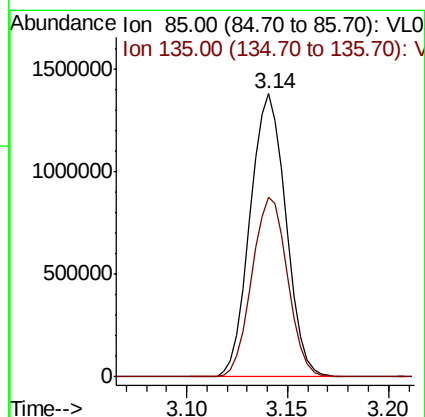
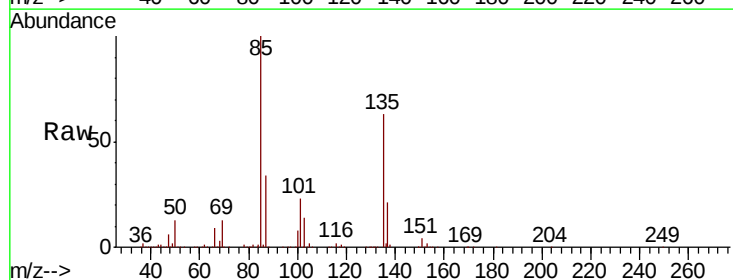
Acq: 6 Jul 2020 9:47

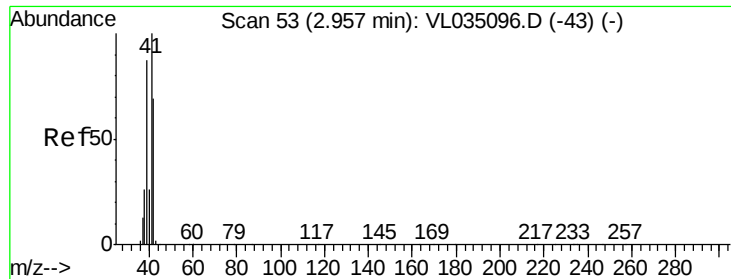
Tgt Ion: 85 Resp: 1721664

Ion Ratio Lower Upper

85 100

135 63.6 51.0 76.6





#9

Propene

Concen: 9.786 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

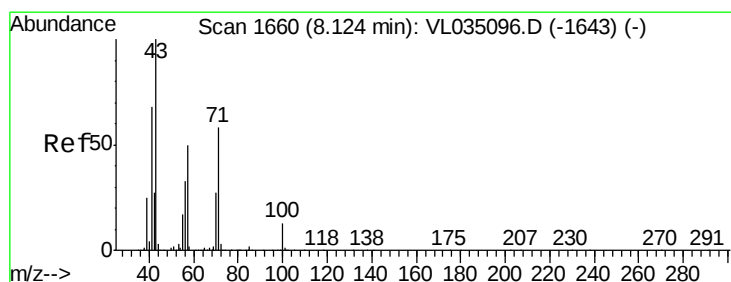
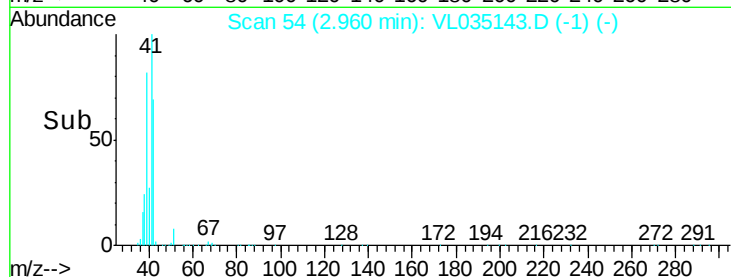
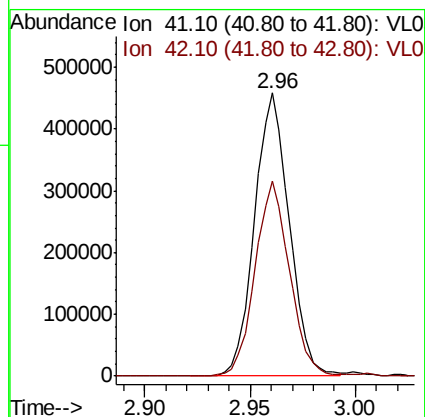
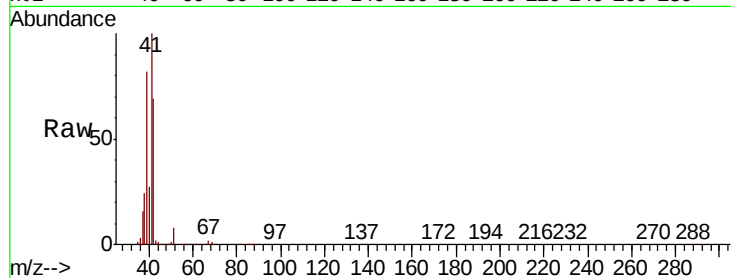
VSTDCCC010

Tot Ion: 41 Resp: 526870

Ion Ratio Lower Upper

41 100

42 68.8 55.8 83.6



#10

Heptane

Concen: 10.549 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035143.D

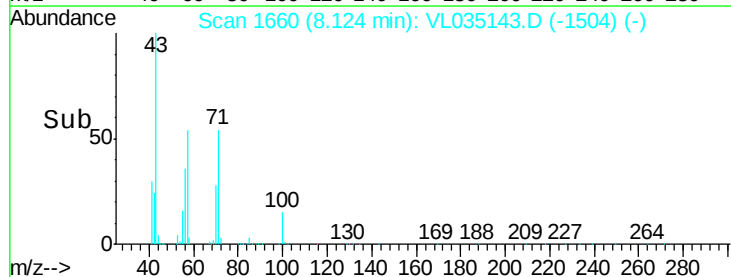
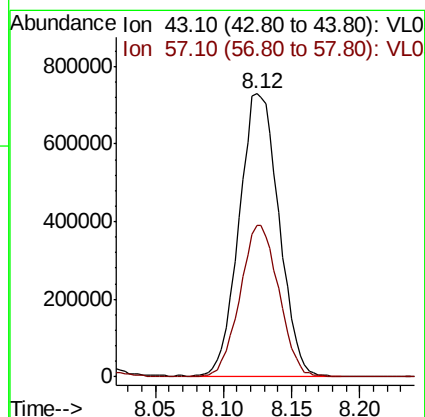
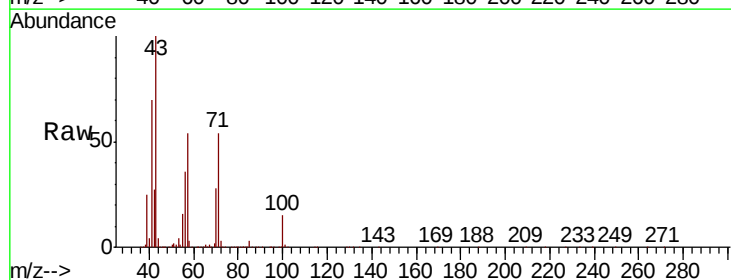
Acq: 6 Jul 2020 9:47

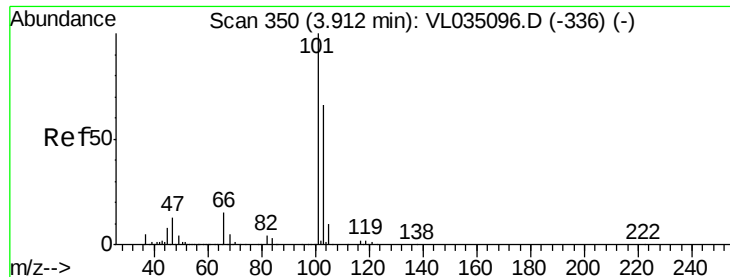
Tgt Ion: 43 Resp: 1471936

Ion Ratio Lower Upper

43 100

57 52.5 41.9 62.9

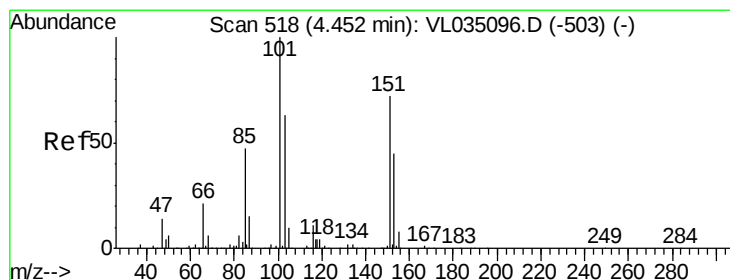
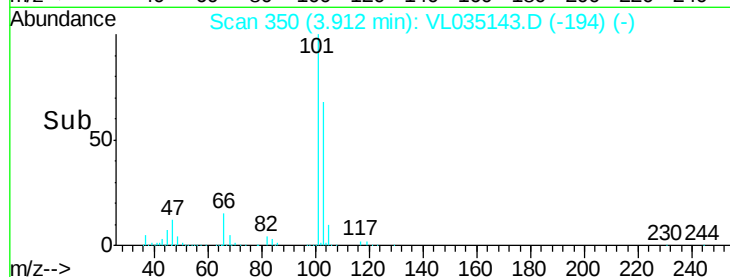
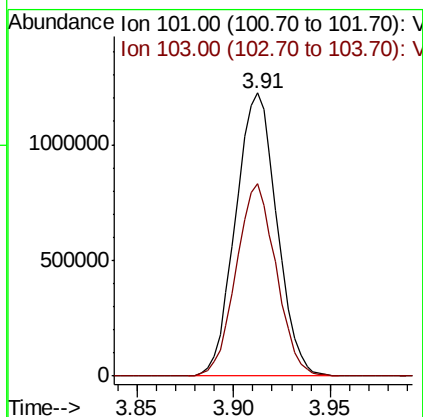
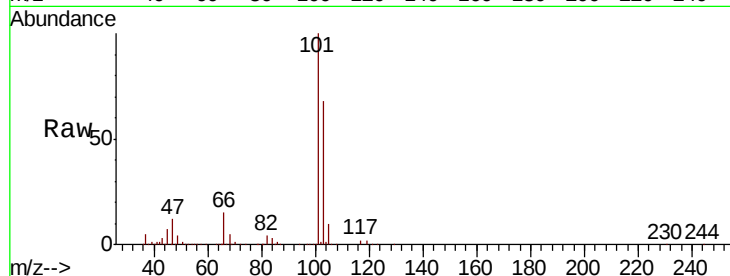




#11
 Trichlorofluoromethane
 Concen: 10.230 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

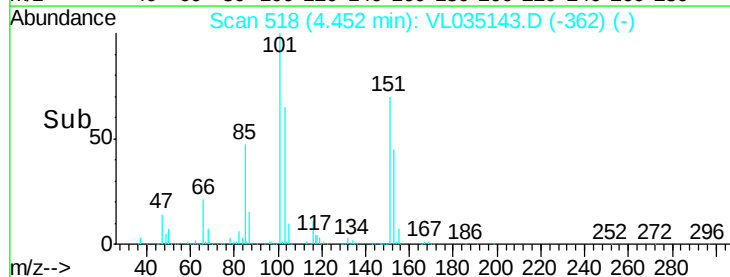
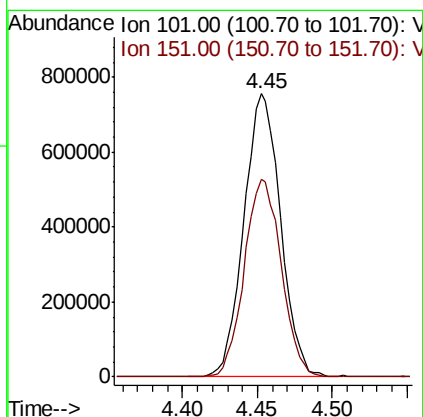
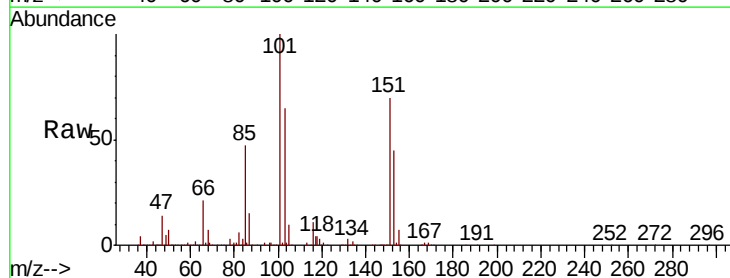
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

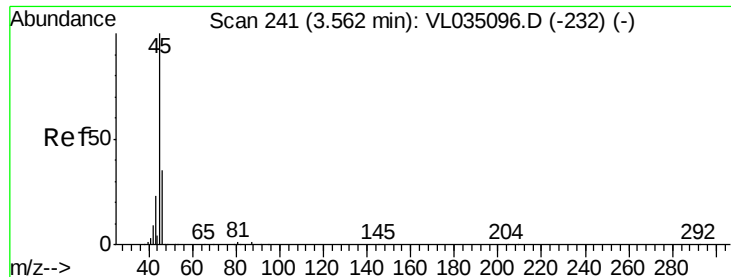
Tot Ion:101 Resp: 1816349
 Ion Ratio Lower Upper
 101 100
 103 67.9 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.483 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:101 Resp: 1287053
 Ion Ratio Lower Upper
 101 100
 151 70.5 56.6 85.0

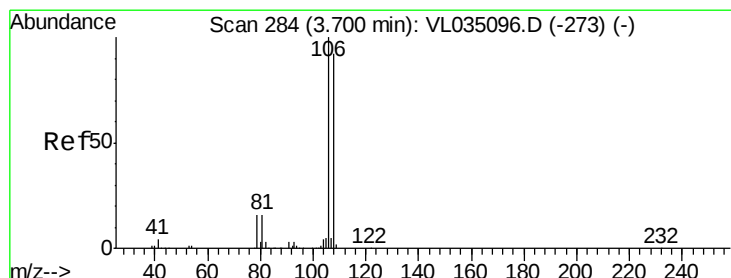
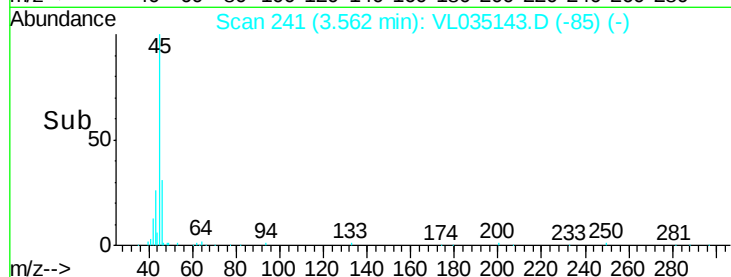
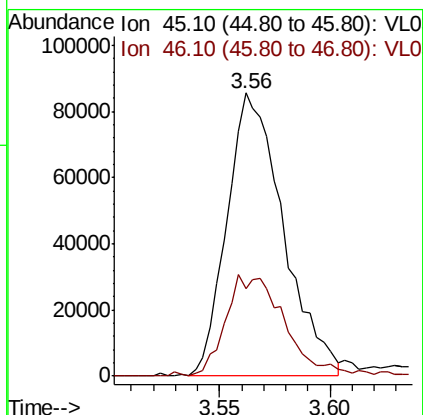
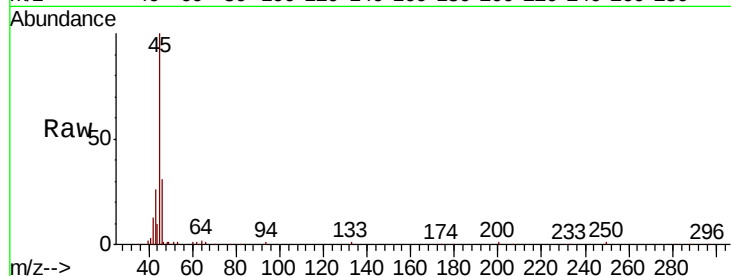




#13
Ethanol
Concen: 7.418 ppbv
RT: 3.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

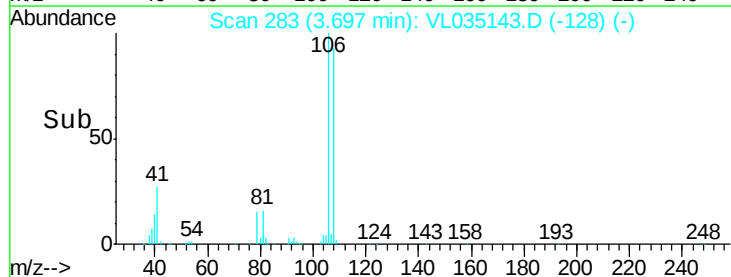
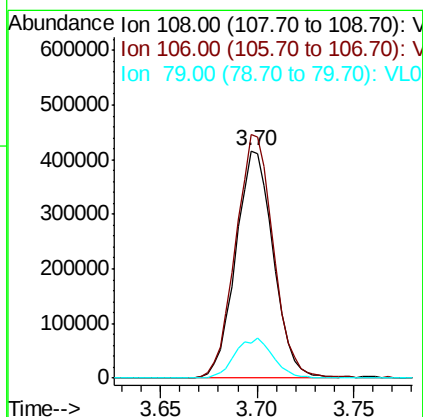
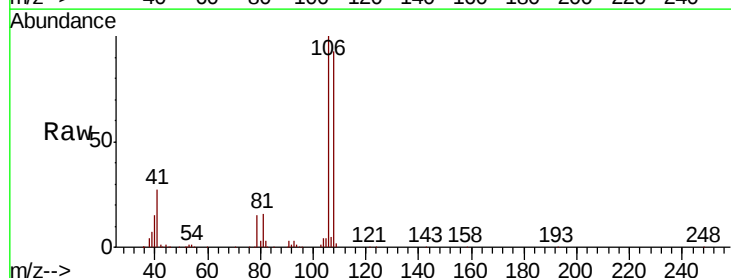
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

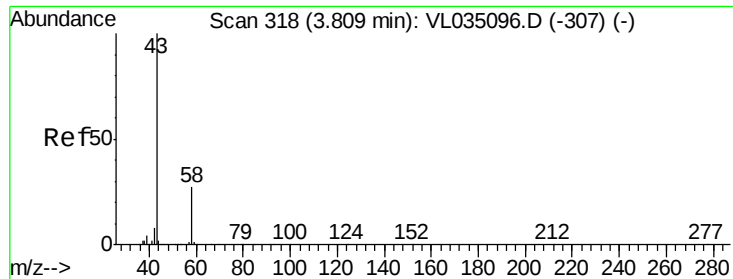
Tot Ion: 45 Resp: 150887
Ion Ratio Lower Upper
45 100
46 39.3 14.2 57.0



#14
Bromoethene
Concen: 10.618 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 108 Resp: 561953
Ion Ratio Lower Upper
108 100
106 108.1 84.4 126.6
79 18.1 14.2 21.2





#15

Acetone

Concen: 9.325 ppbv

RT: 3.81 min Scan# 318

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

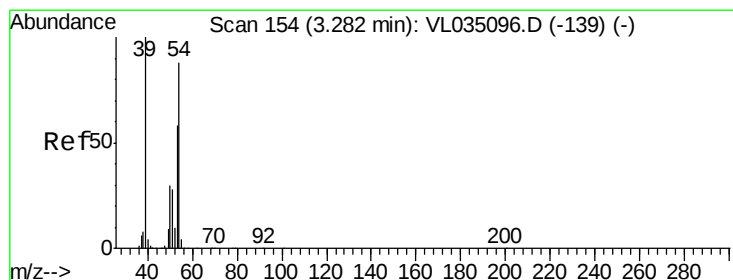
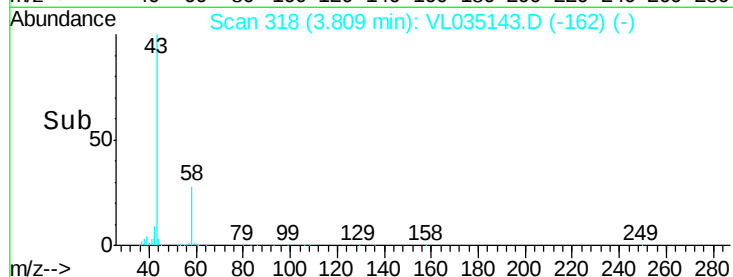
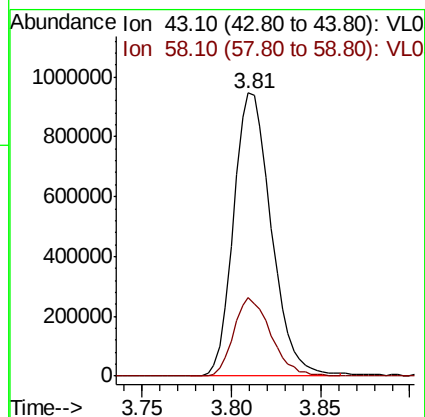
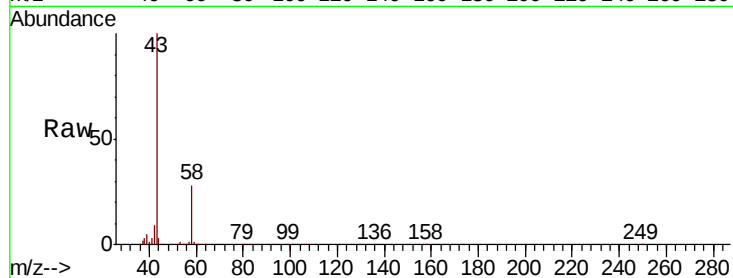
VSTDCCC010

Tot Ion: 43 Resp: 1387652

Ion Ratio Lower Upper

43 100

58 27.5 21.8 32.6



#16

1,3-Butadiene

Concen: 10.331 ppbv

RT: 3.28 min Scan# 154

Delta R.T. 0.00 min

Lab File: VL035143.D

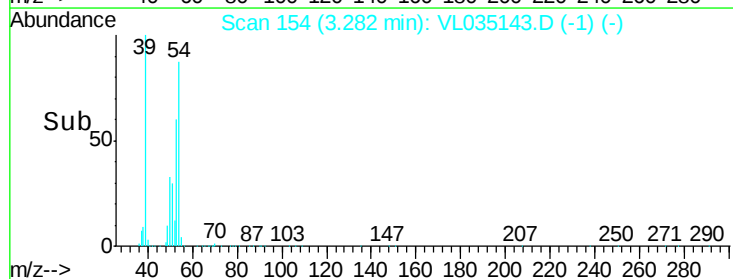
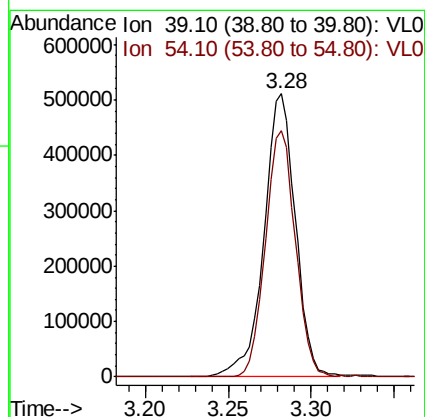
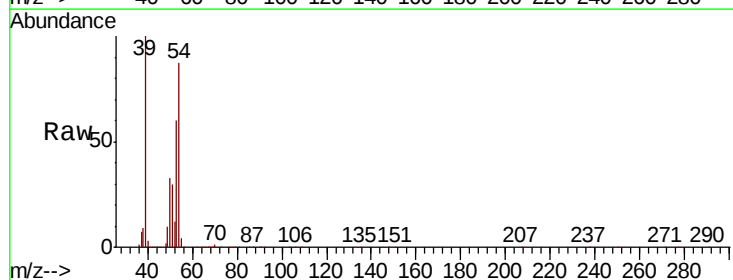
Acq: 6 Jul 2020 9:47

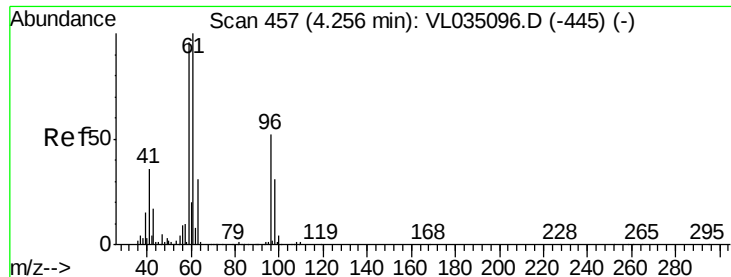
Tgt Ion: 39 Resp: 674278

Ion Ratio Lower Upper

39 100

54 83.4 67.0 100.4





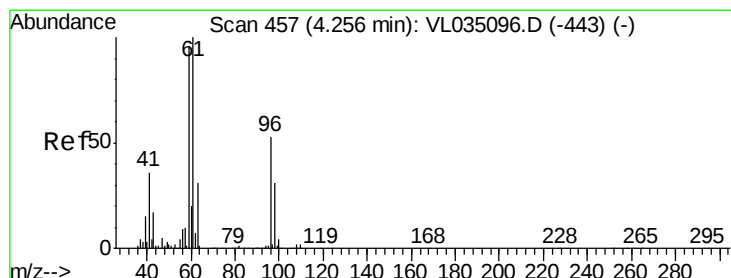
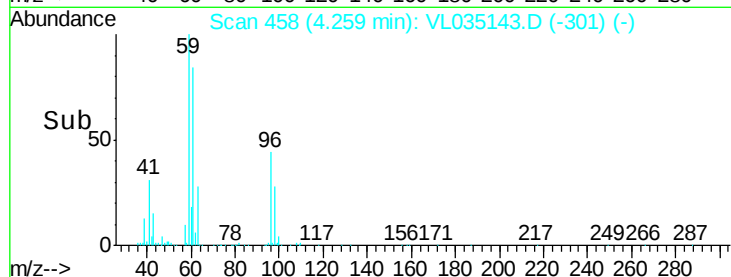
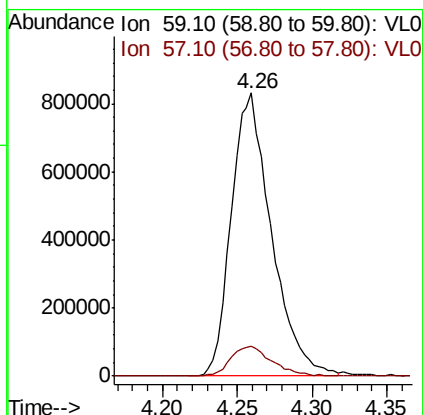
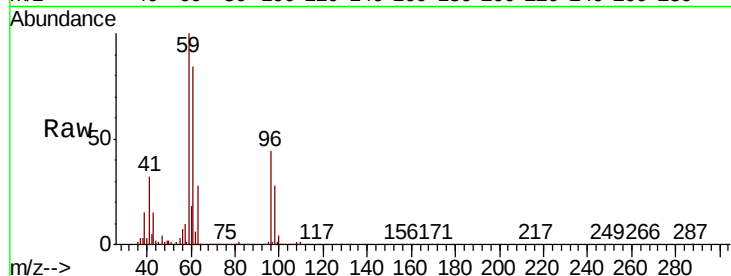
#17

tert-Butyl alcohol
Concen: 11.749 ppbv
RT: 4.26 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1549502

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

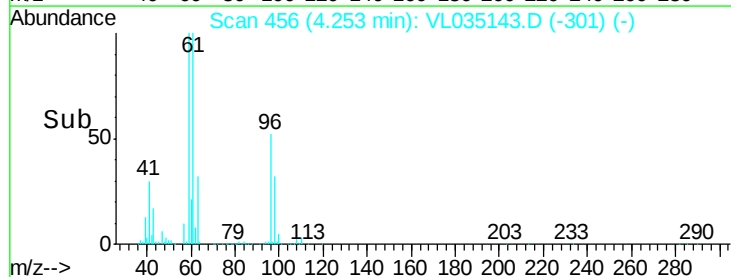
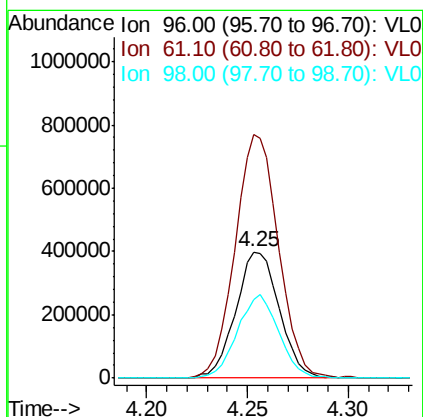
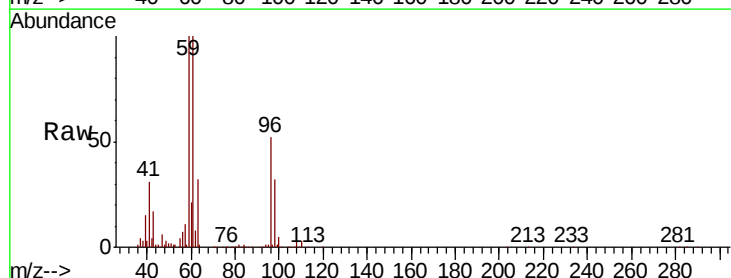


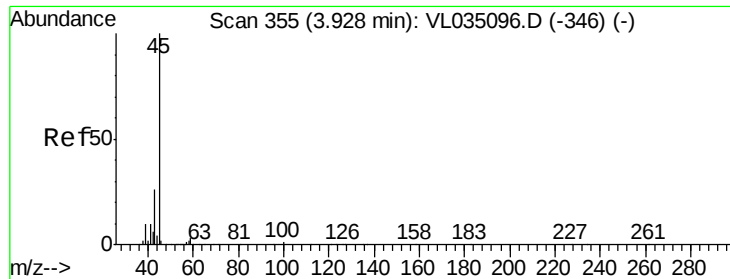
#18

1,1-Dichloroethene
Concen: 10.820 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 96 Resp: 599154

Ion	Ratio	Lower	Upper
96	100		
61	193.8	152.2	228.4
98	62.3	47.7	71.5





#19

Isopropyl Alcohol

Concen: 11.086 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

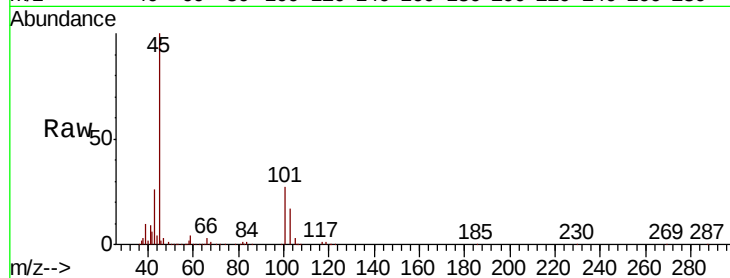
VSTDCCC010

Tot Ion: 45 Resp: 1071226

Ion Ratio Lower Upper

45 100

58 1.8 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.93

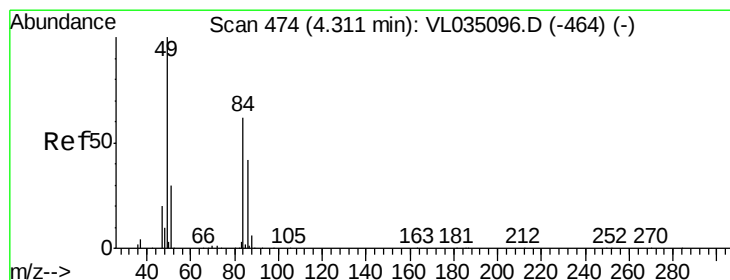
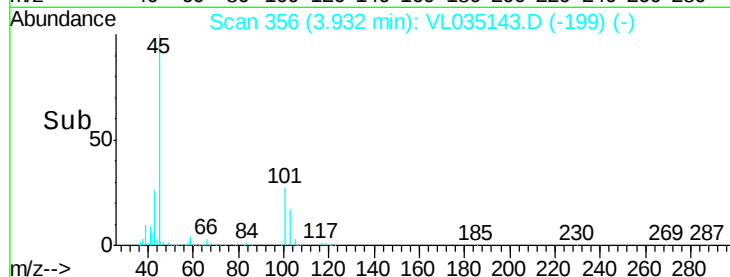
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 8.687 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion: 84 Resp: 523199

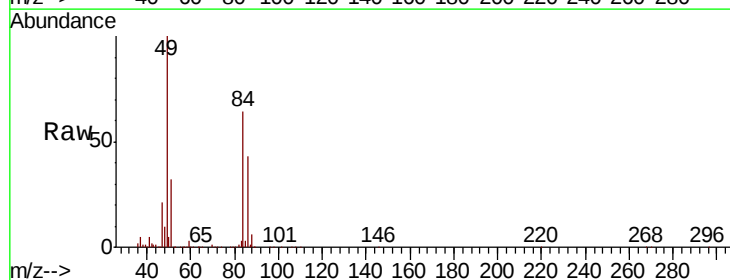
Ion Ratio Lower Upper

84 100

49 154.8 128.8 193.2

51 49.5 38.7 58.1

86 67.8 54.1 81.1



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

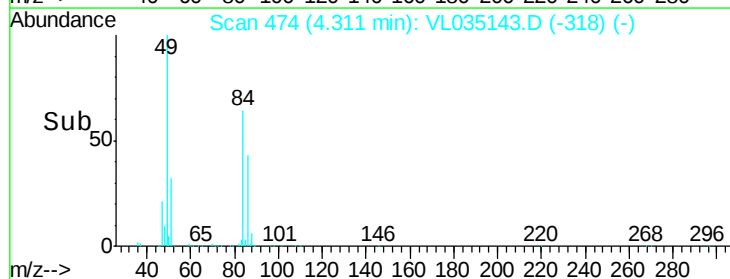
600000

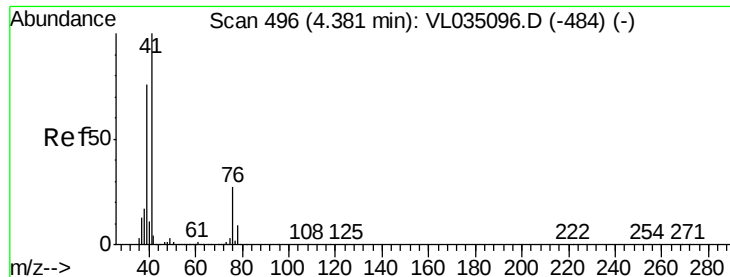
400000

200000

0

Time-->

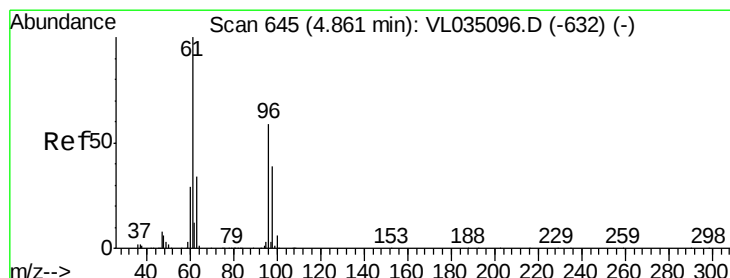
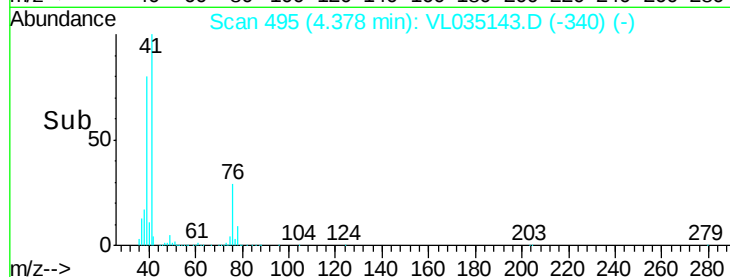
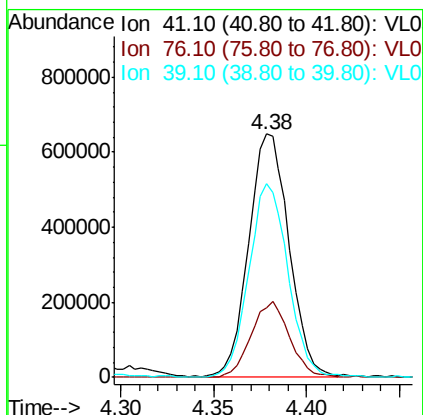
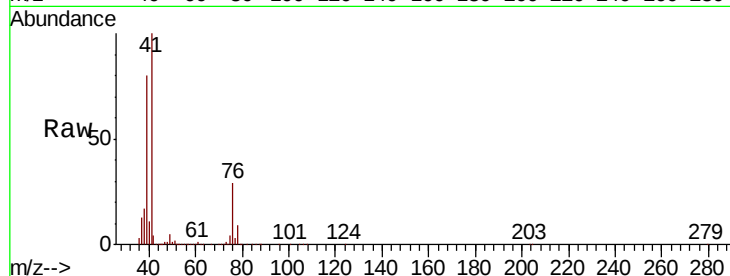




#21
 Allvl Chloride
 Concen: 11.037 ppbv
 RT: 4.38 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

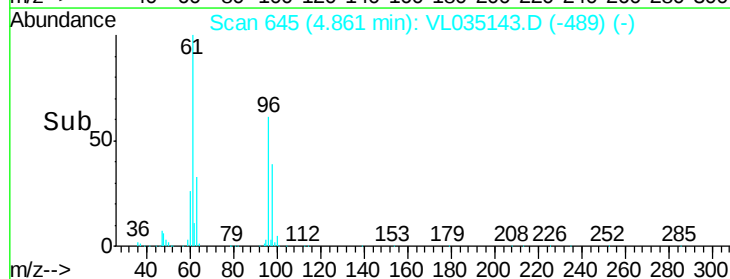
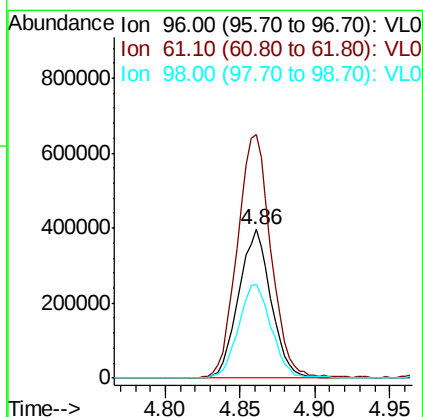
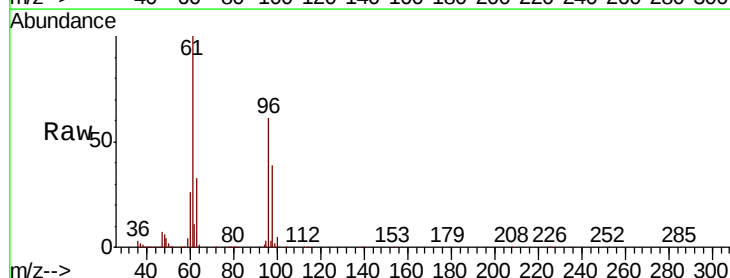
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

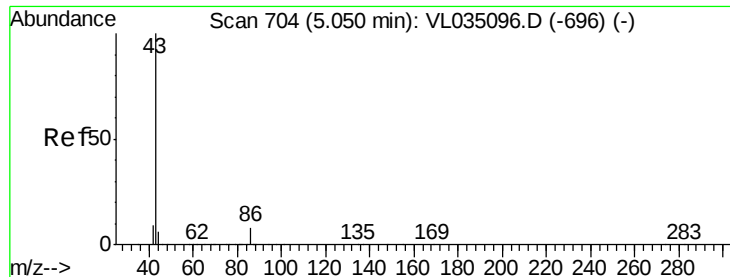
Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	22.6	34.0
39	78.4	61.6	92.4



#22
 trans-1,2-Dichloroethene
 Concen: 11.532 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.1	134.5	201.7
98	63.5	52.6	79.0





#23

Vinyl Acetate

Concen: 10.796 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

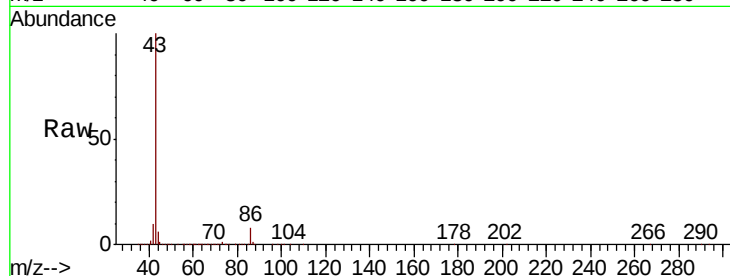
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1950074

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.2
42	10.0	8.1	12.1
44	5.6	4.6	7.0

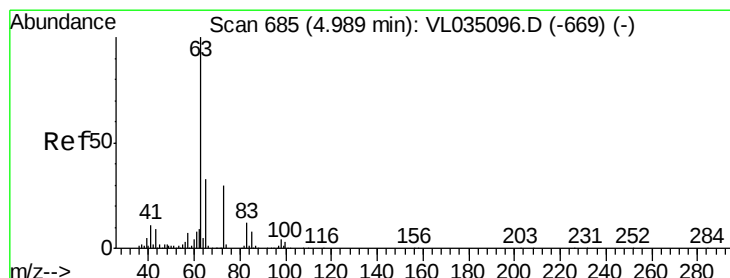
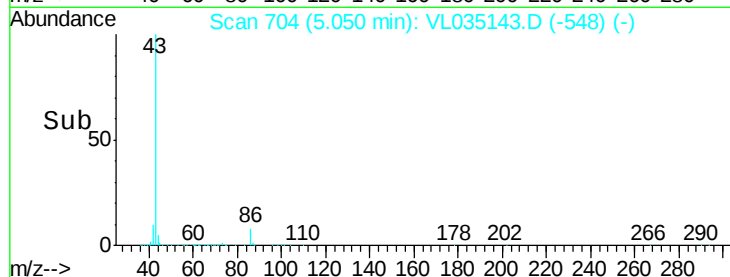
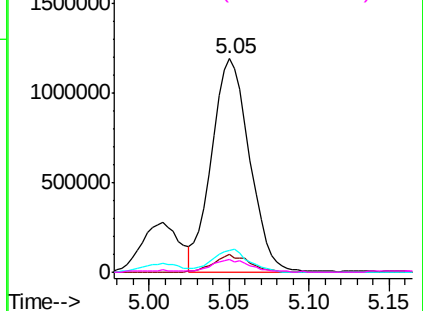


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.997 ppbv

RT: 4.99 min Scan# 685

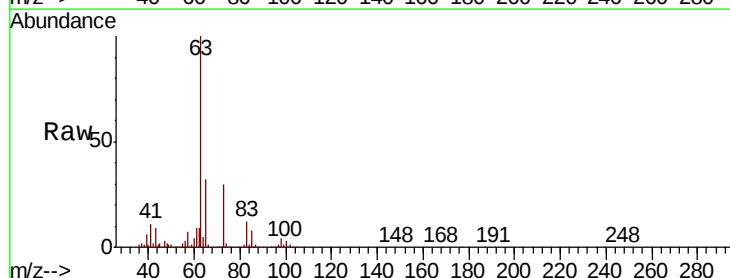
Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion: 63 Resp: 1522388

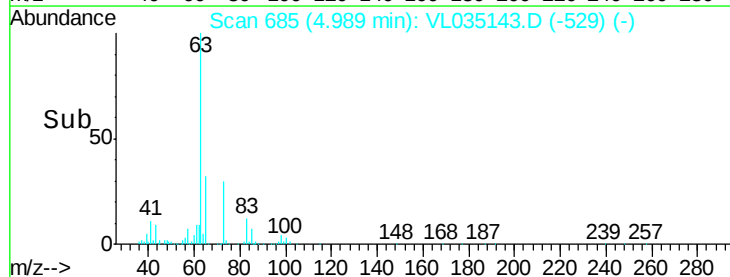
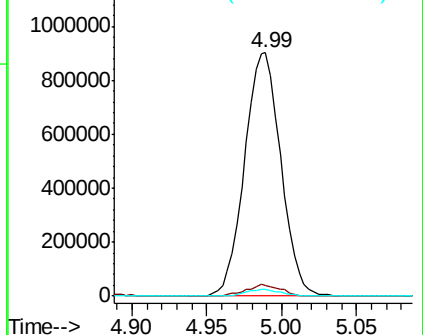
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.9
100	2.8	1.4	4.0

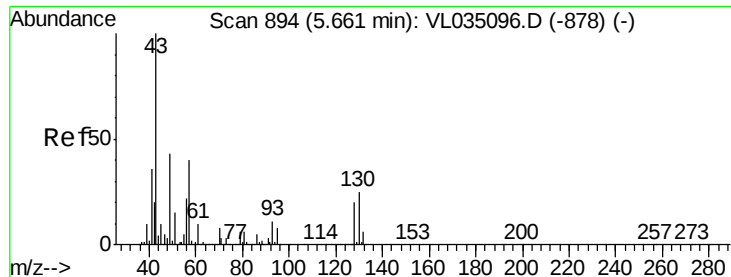


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



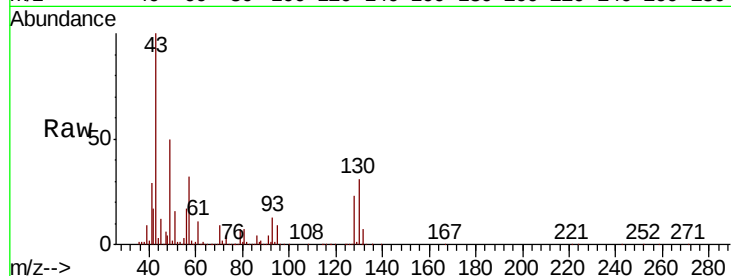


#25
Ethyl Acetate
Concen: 9.615 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2582338

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	10.0	8.0	12.0
70	8.1	6.3	9.5



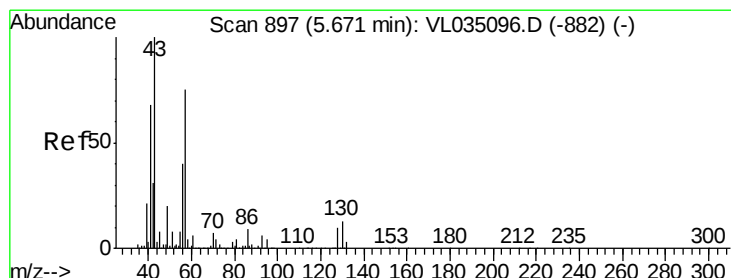
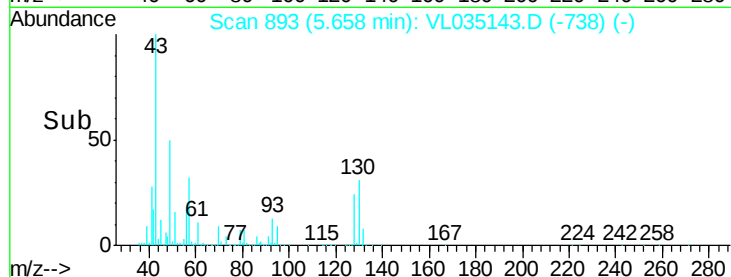
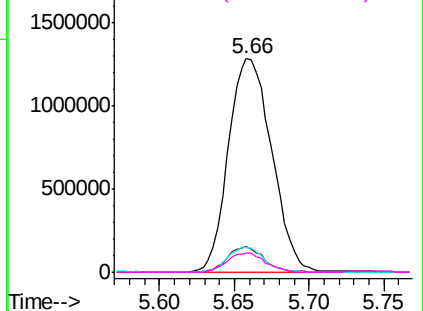
Abundance

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

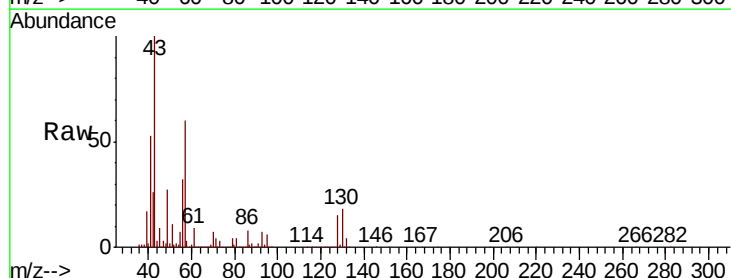
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.546 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 57 Resp: 1155795

Ion	Ratio	Lower	Upper
57	100		
41	90.6	72.9	109.3
43	224.9	181.3	271.9
56	53.3	43.1	64.7



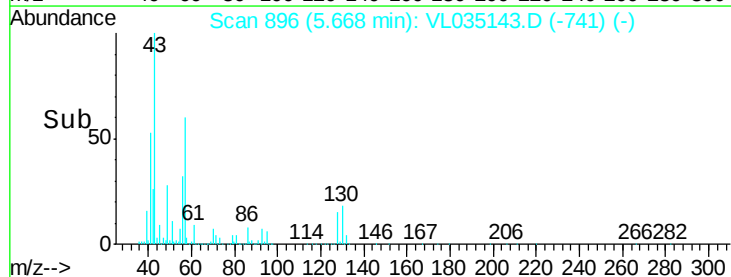
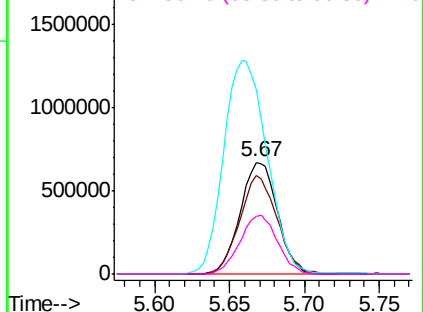
Abundance

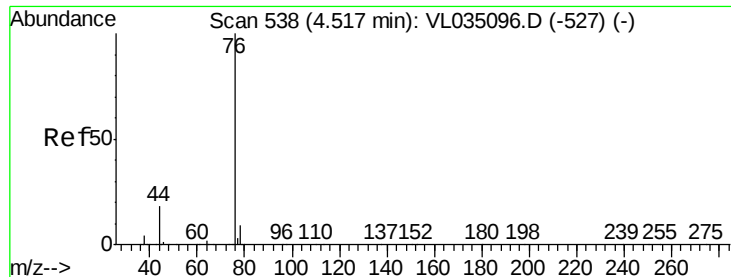
Ion 57.10 (56.80 to 57.80): VL0

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: 12.524 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

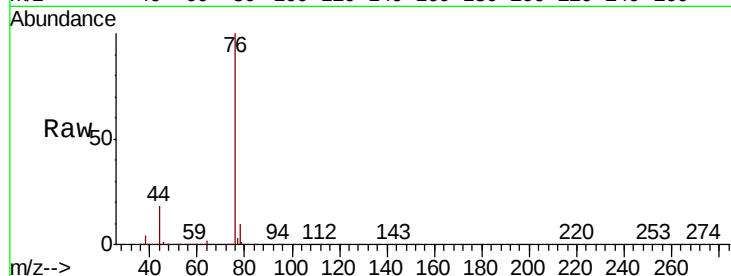
Tot Ion: 76 Resp: 1569262

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.8	23.8
78	9.4	7.6	11.4

76 100

44 19.3 15.8 23.8

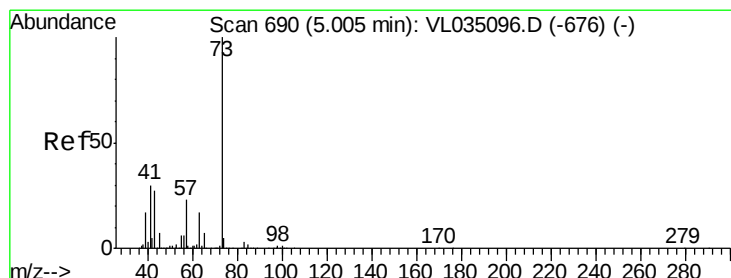
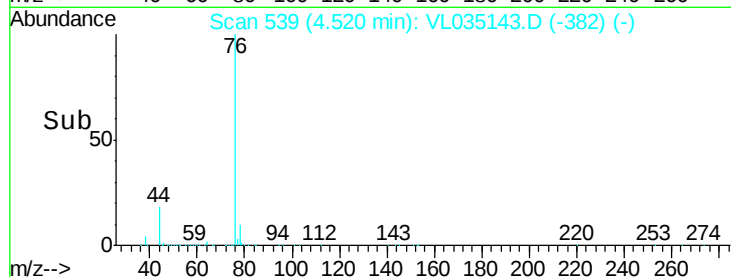
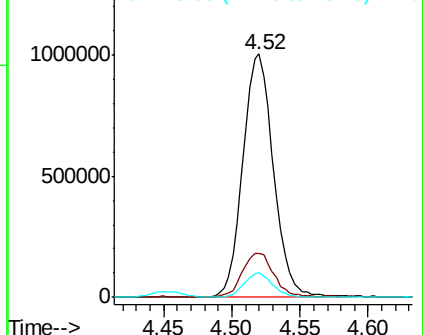
78 9.4 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.752 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL035143.D

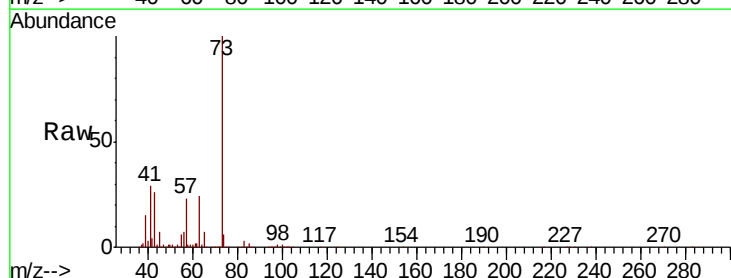
Acq: 6 Jul 2020 9:47

Tgt Ion: 73 Resp: 1829185

Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.5	27.7

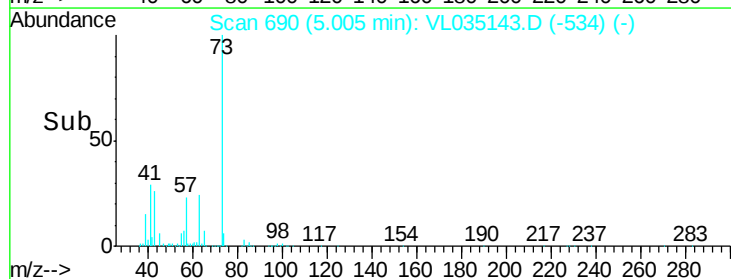
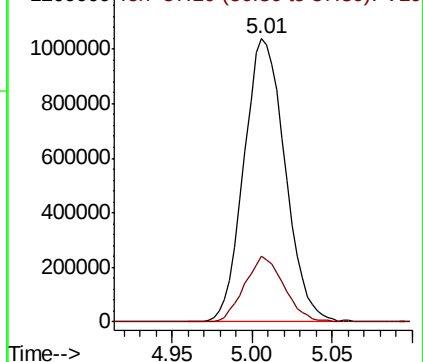
73 100

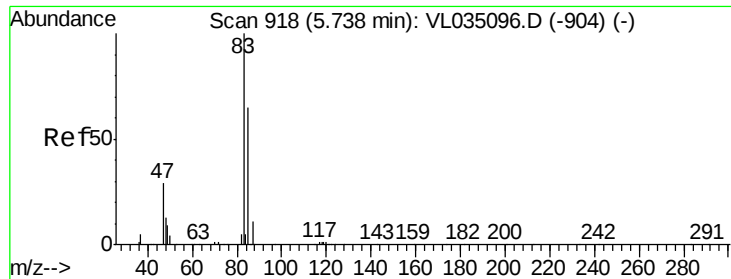
57 22.3 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

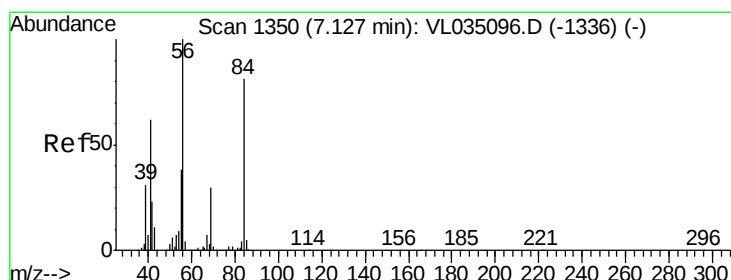
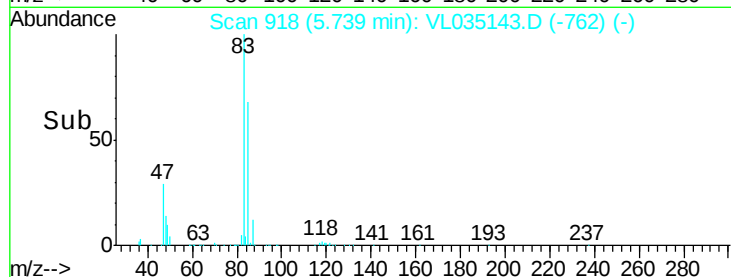
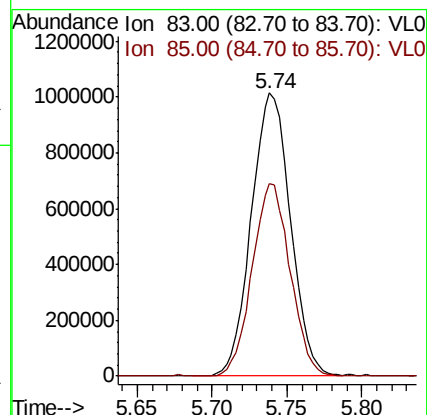
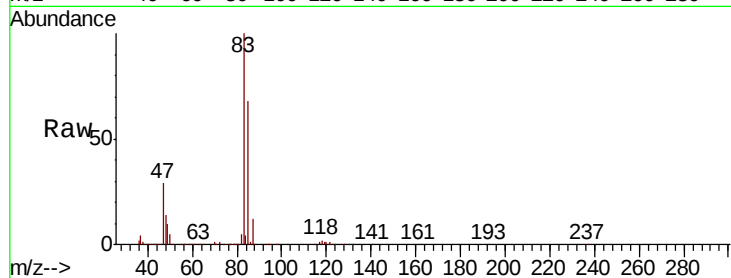




#29
Chloroform
Concen: 9.764 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

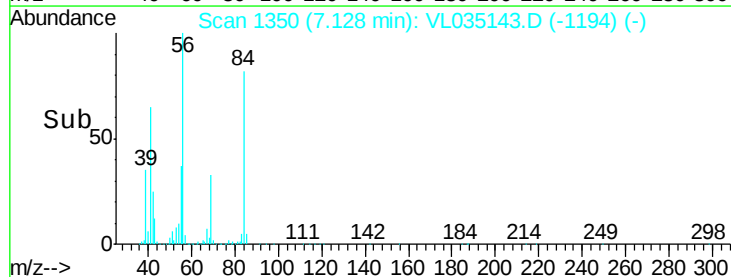
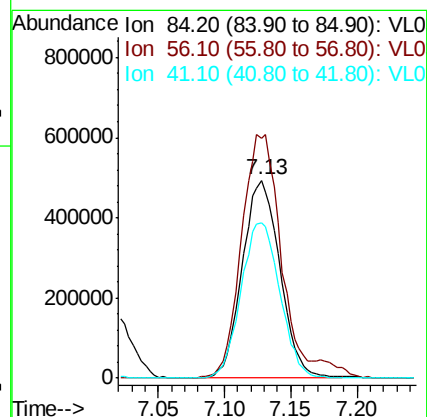
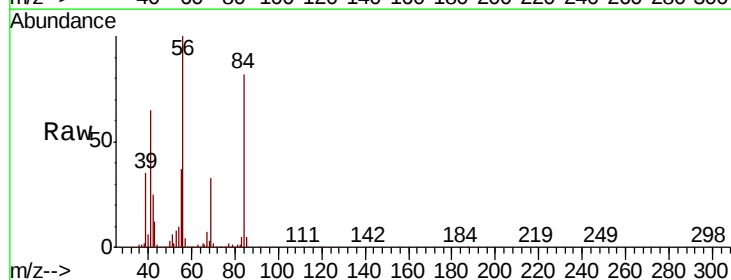
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

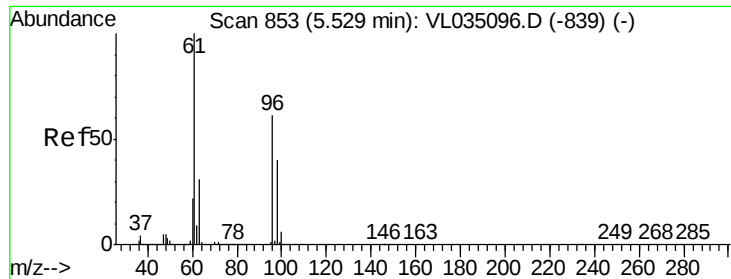
Tot Ion: 83 Resp: 1850047
Ion Ratio Lower Upper
83 100
85 68.2 52.1 78.1



#30
Cyclohexane
Concen: 11.236 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 84 Resp: 976389
Ion Ratio Lower Upper
84 100
56 133.4 108.0 162.0
41 81.3 65.6 98.4



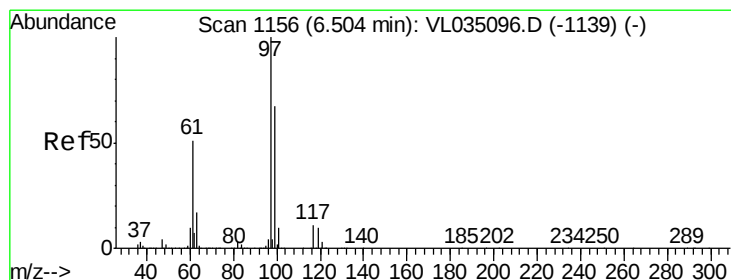
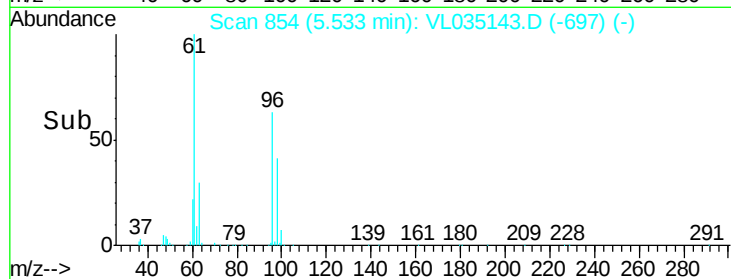
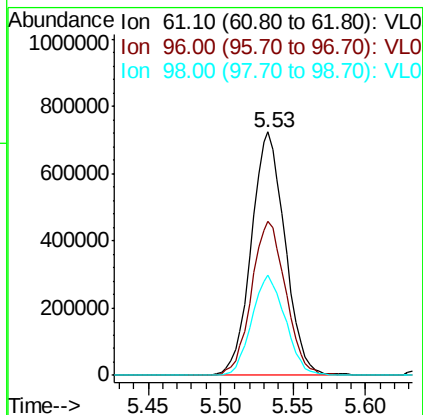
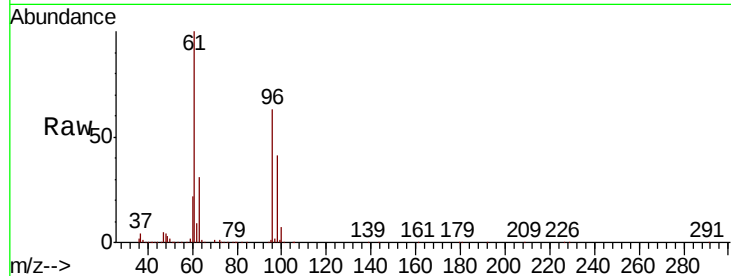


#31

cis-1,2-Dichloroethene
 Concen: 10.502 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

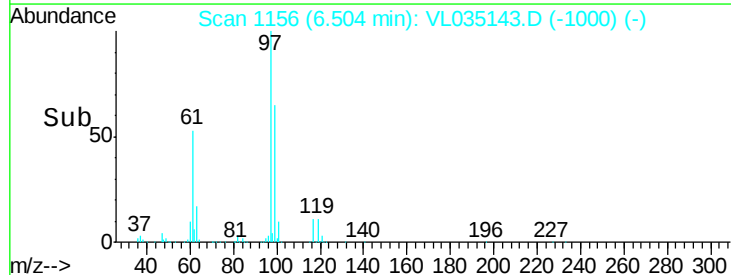
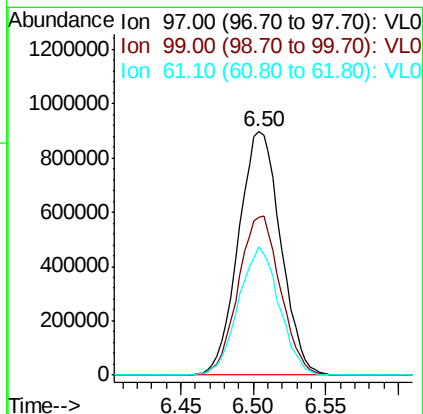
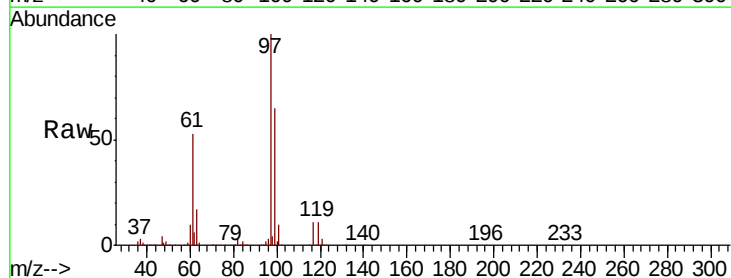
Tot Ion: 61 Resp: 1172243
 Ion Ratio Lower Upper
 61 100
 96 63.1 48.8 73.2
 98 41.0 31.9 47.9

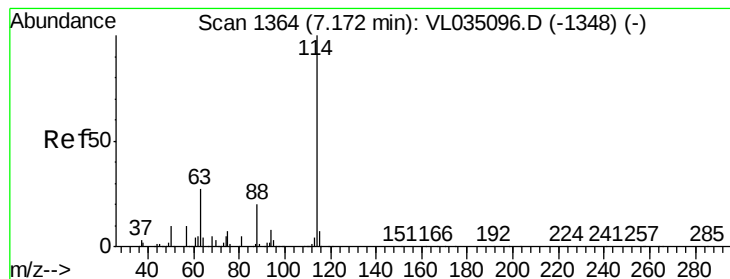


#32

1,1,1-Trichloroethane
 Concen: 10.330 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion: 97 Resp: 1815495
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.0 78.0
 61 50.9 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

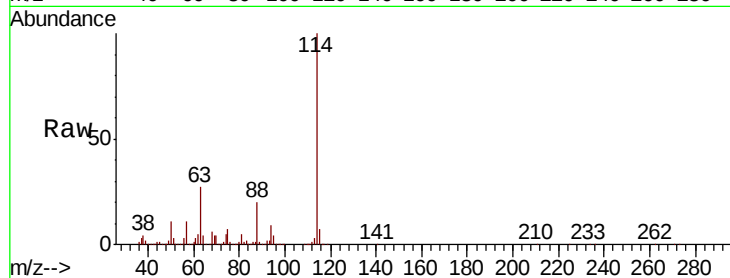
Tot Ion:114 Resp: 2932650

Ion Ratio Lower Upper

114 100

63 27.7 21.9 32.9

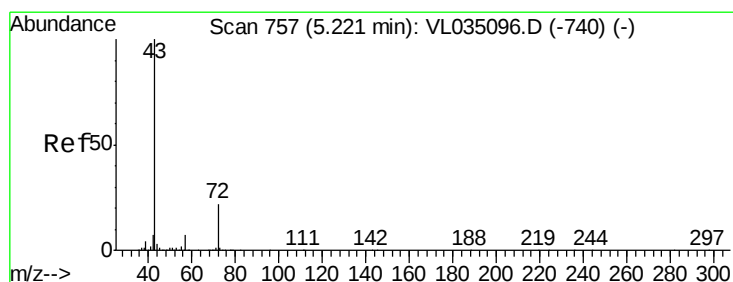
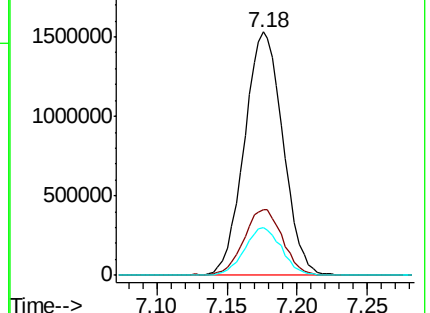
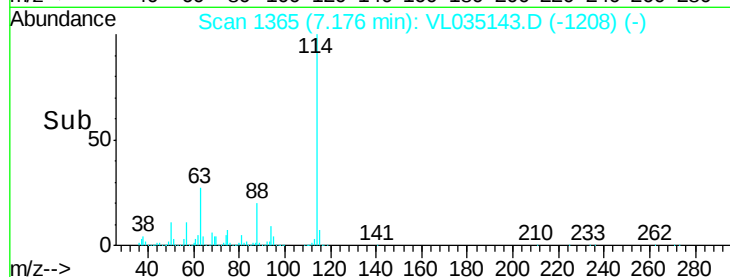
88 18.9 15.6 23.4



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: 9.809 ppbv

RT: 5.22 min Scan# 757

Delta R.T. 0.00 min

Lab File: VL035143.D

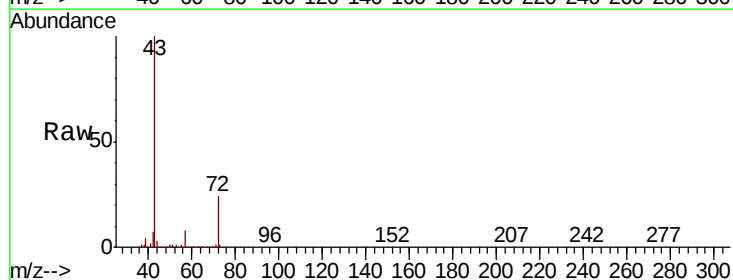
Acq: 6 Jul 2020 9:47

Tgt Ion: 43 Resp: 1651971

Ion Ratio Lower Upper

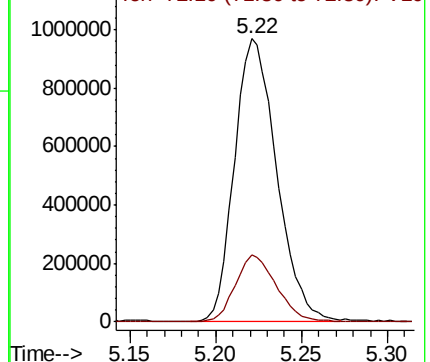
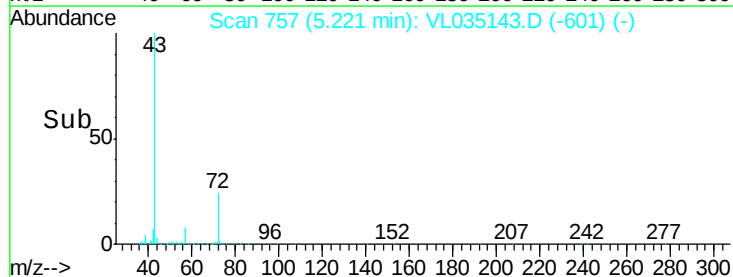
43 100

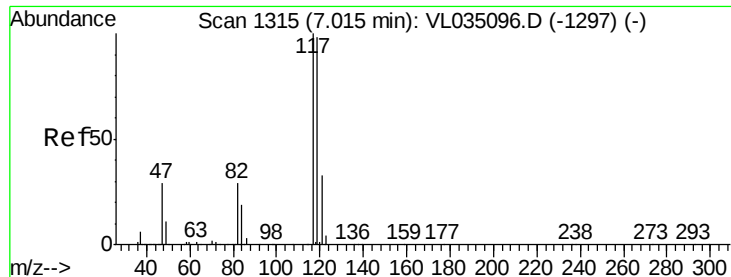
72 23.1 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

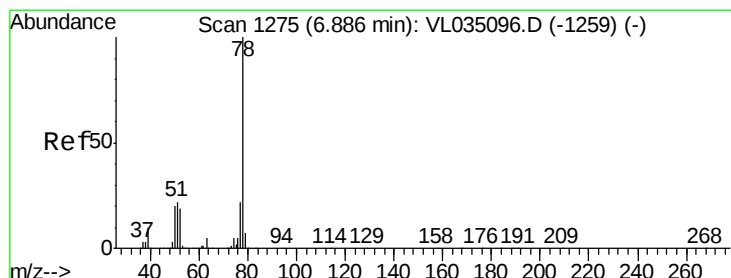
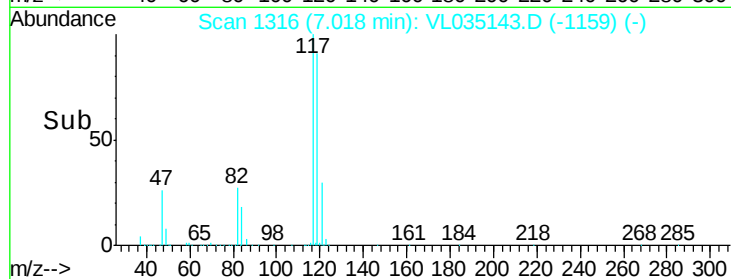
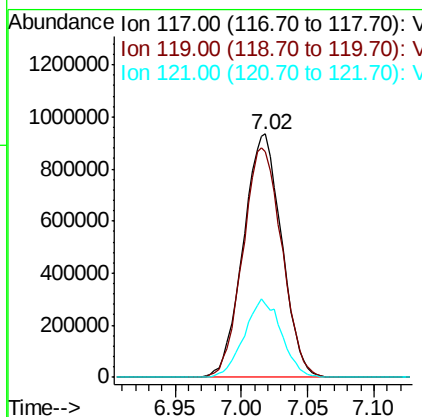
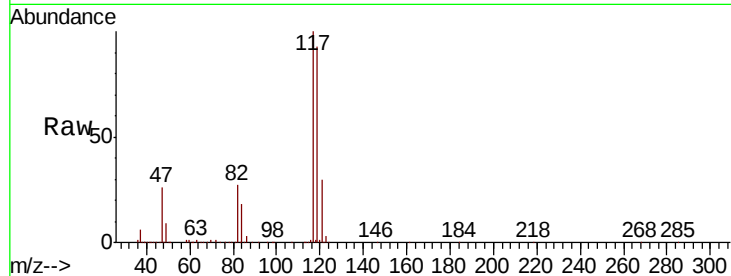




#35
Carbon Tetrachloride
Concen: 10.665 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

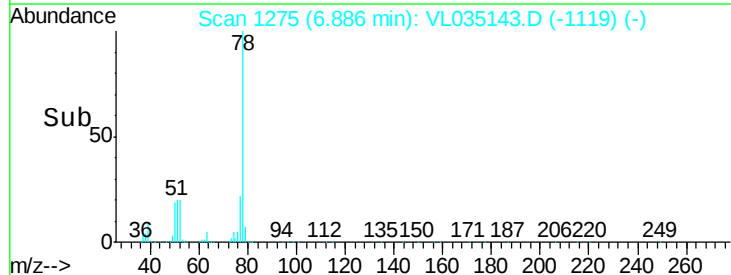
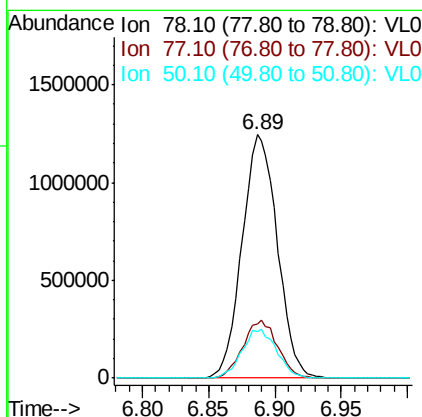
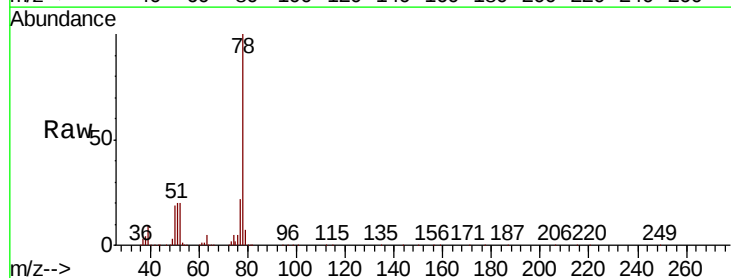
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

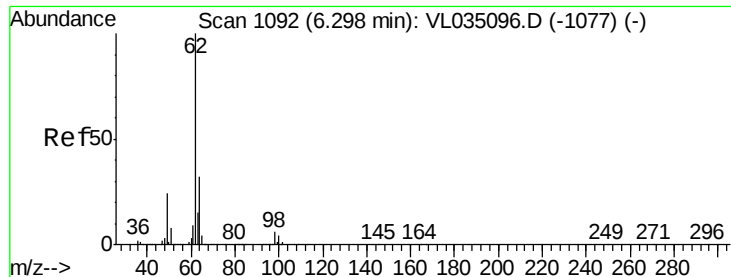
Tot Ion:117 Resp: 1875899
Ion Ratio Lower Upper
117 100
119 92.5 78.3 117.5
121 30.0 26.0 39.0



#36
Benzene
Concen: 10.138 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 78 Resp: 2302181
Ion Ratio Lower Upper
78 100
77 22.1 17.8 26.6
50 19.1 16.2 24.2

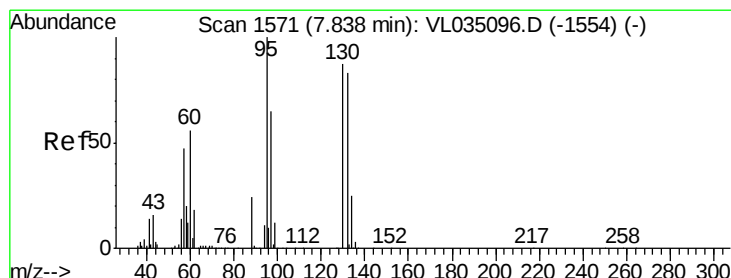
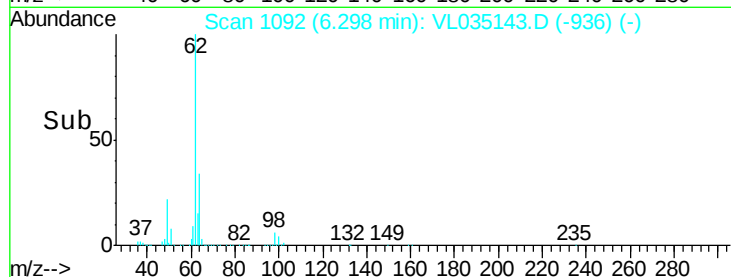
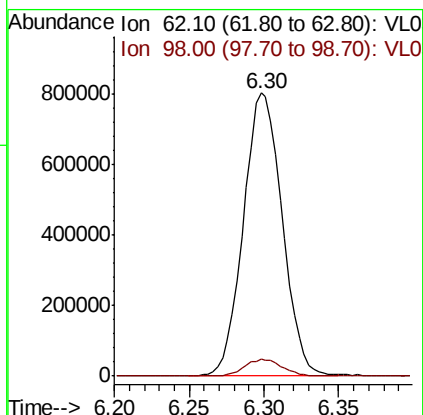
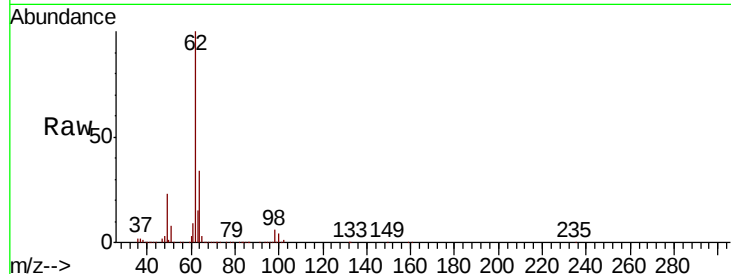




#37
 1,2-Dichloroethane
 Concen: 10.110 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

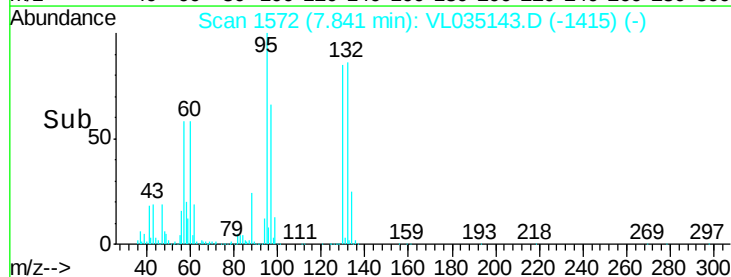
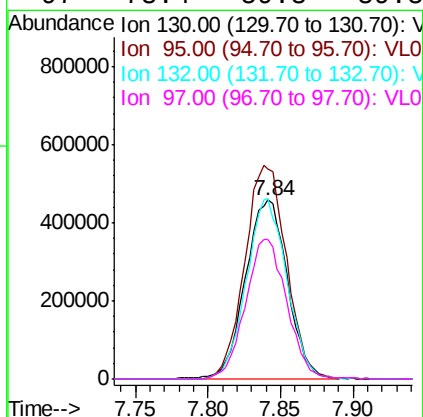
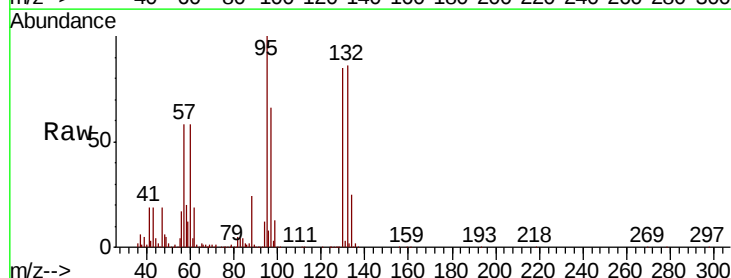
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

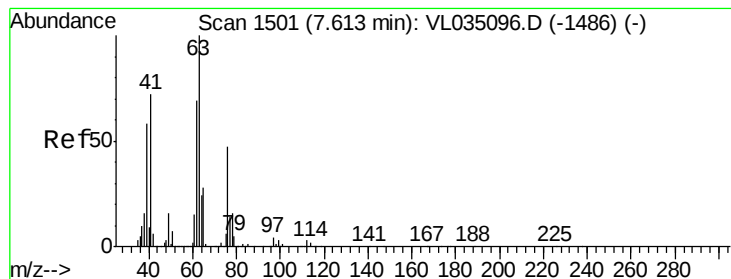
Tot Ion: 62 Resp: 1450928
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.8 7.2



#38
 Trichloroethene
 Concen: 10.369 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion: 130 Resp: 914615
 Ion Ratio Lower Upper
 130 100
 95 117.9 91.4 137.2
 132 101.2 75.8 113.6
 97 78.4 59.8 89.8





#39

1,2-Dichloropropane

Concen: 10.108 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

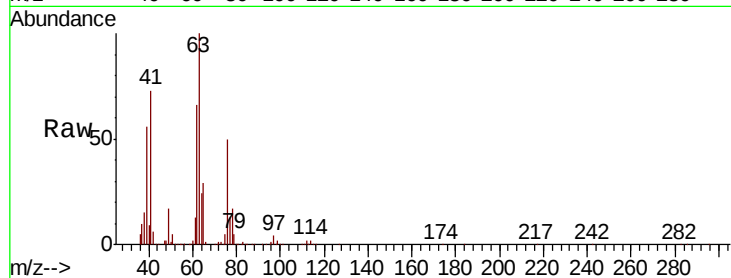
Tot Ion: 63 Resp: 897784

Ion Ratio Lower Upper

63 100

41 72.7 58.0 87.0

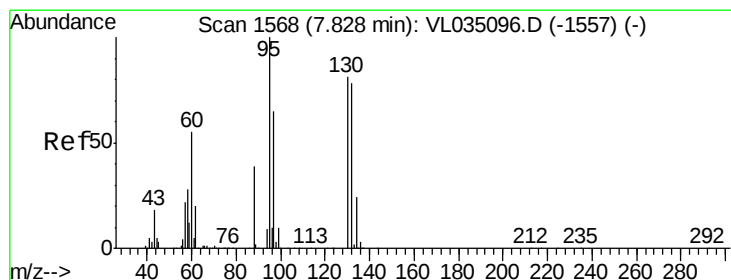
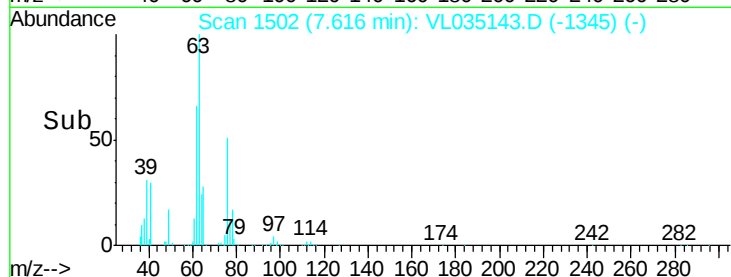
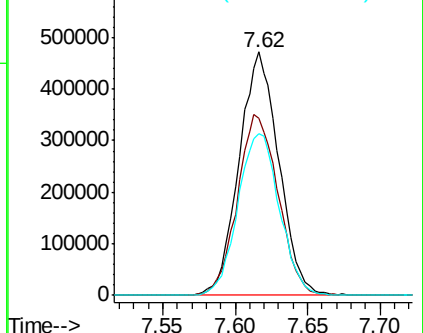
62 66.1 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.150 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion: 88 Resp: 355582

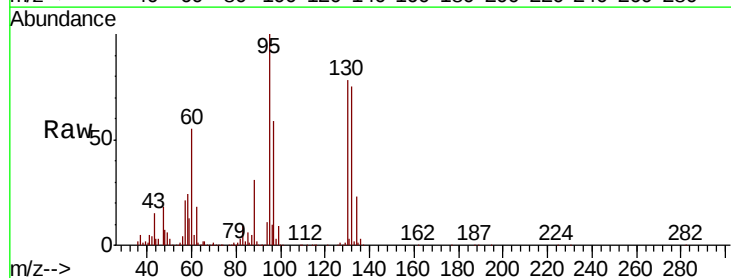
Ion Ratio Lower Upper

88 100

58 127.7 110.2 165.4

43 252.3 0.0 0.0#

57 1115.3 0.0 0.0#

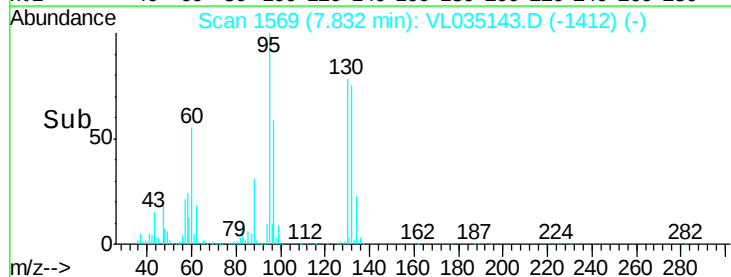
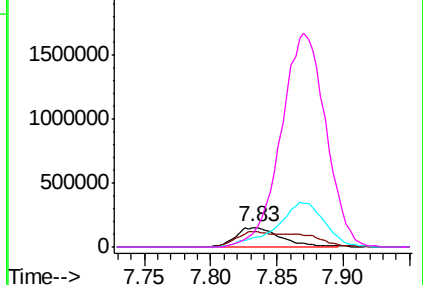


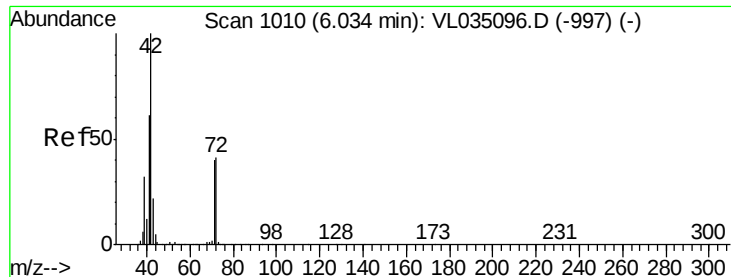
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.456 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

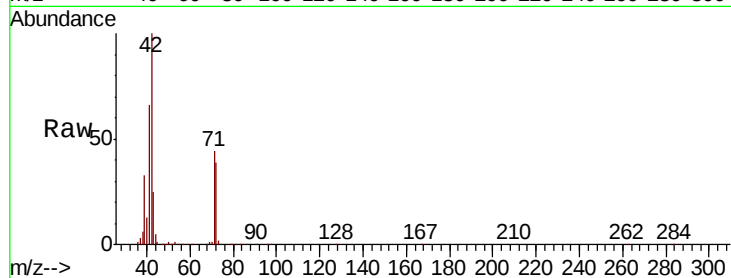
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 42 Resp: 899399

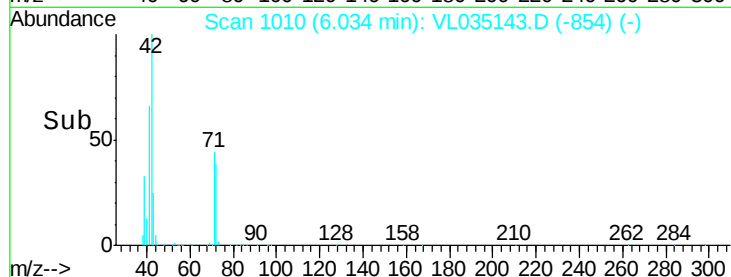
Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.4	50.2
71	40.8	31.8	47.6



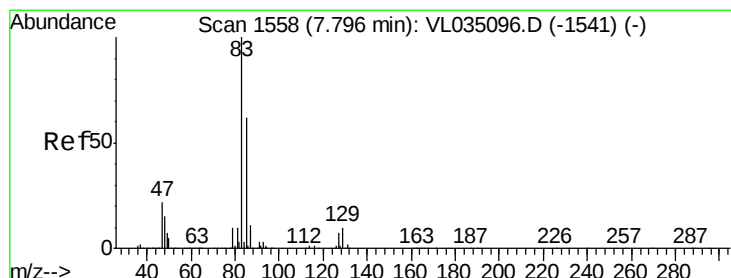
Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



Time--> 5.95 6.00 6.05 6.10



#42

Bromodichloromethane

Concen: 10.685 ppbv

RT: 7.80 min Scan# 1558

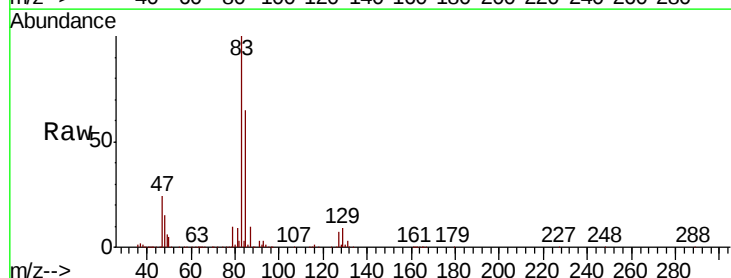
Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion: 83 Resp: 1986068

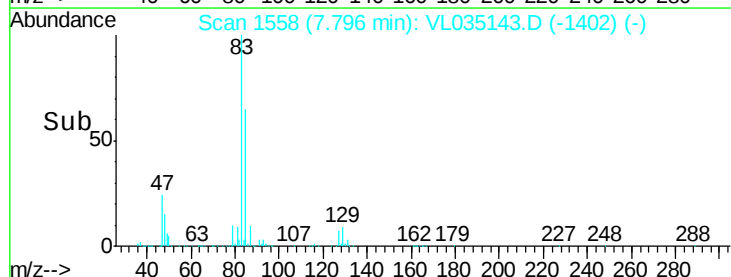
Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.4	74.0
127	7.5	5.9	8.9



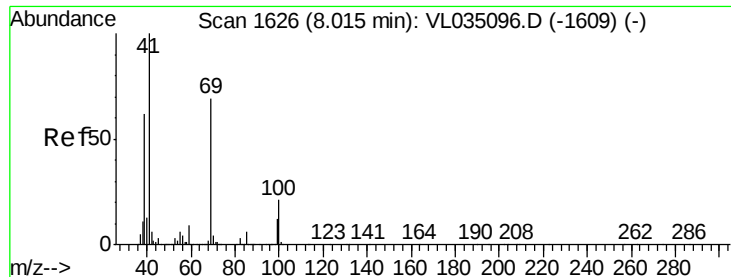
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



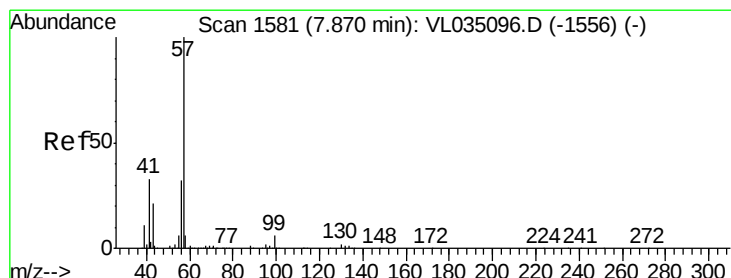
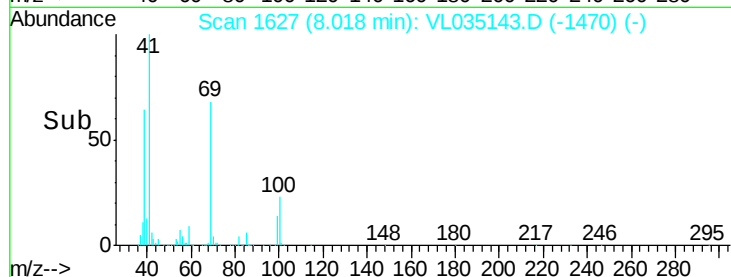
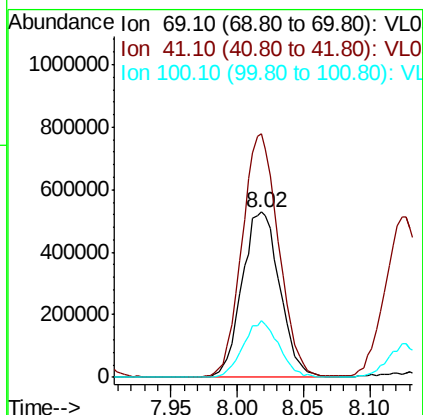
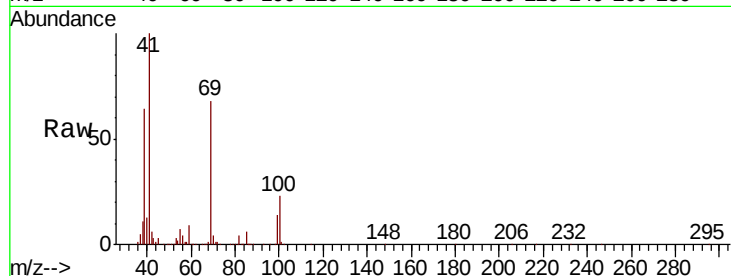
Time--> 7.70 7.75 7.80 7.85



#43
Methvl Methacrylate
Concen: 10.891 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

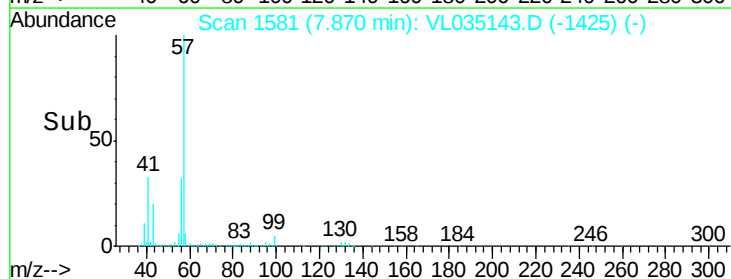
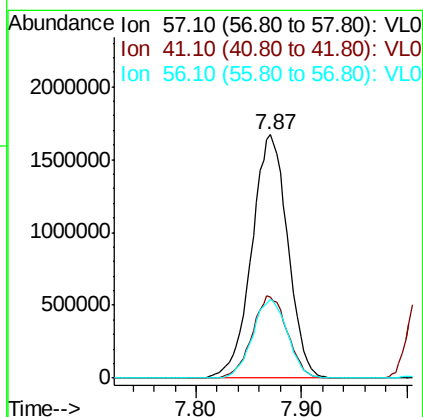
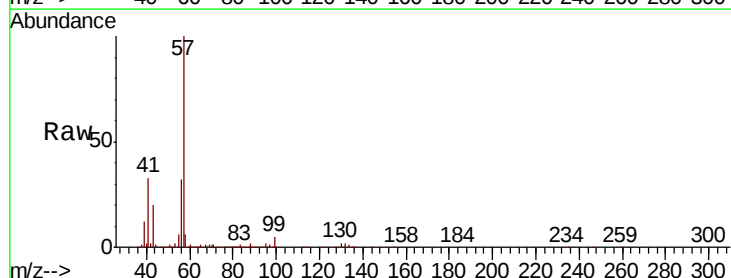
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

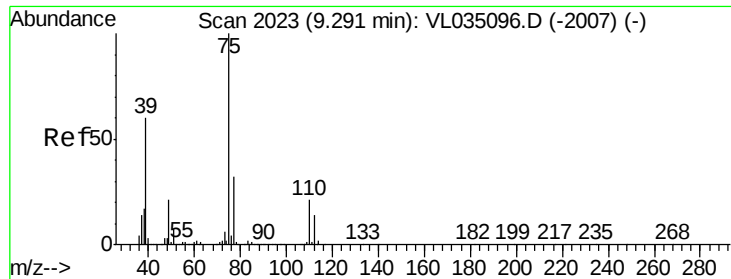
Tot Ion: 69 Resp: 1046909
Ion Ratio Lower Upper
69 100
41 142.8 116.4 174.6
100 32.4 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.989 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 57 Resp: 3959181
Ion Ratio Lower Upper
57 100
41 33.1 26.2 39.2
56 31.5 25.4 38.2

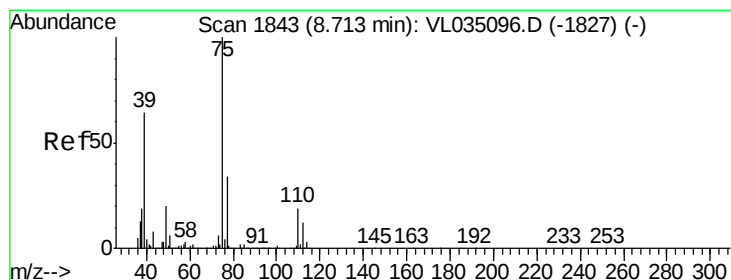
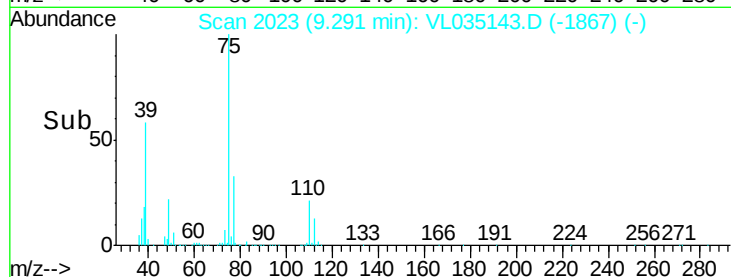
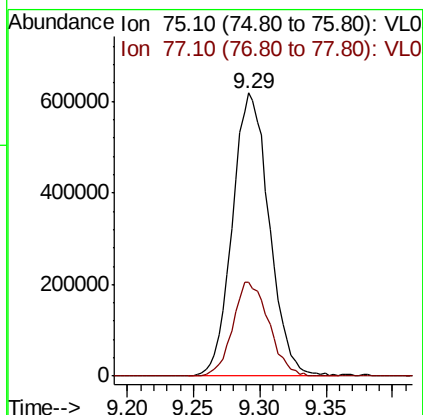
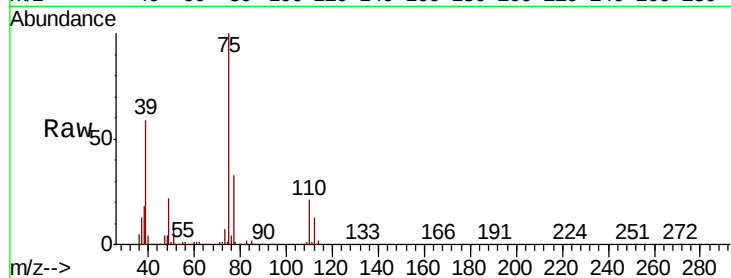




#45
t-1,3-Dichloropropene
Concen: 12.725 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

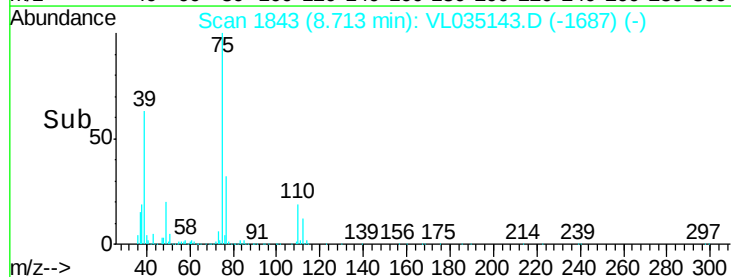
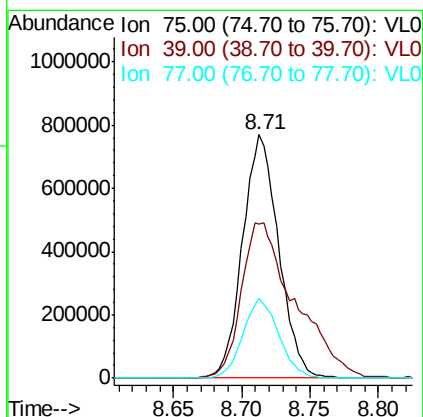
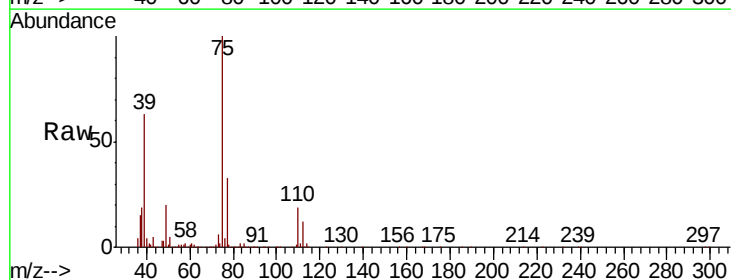
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

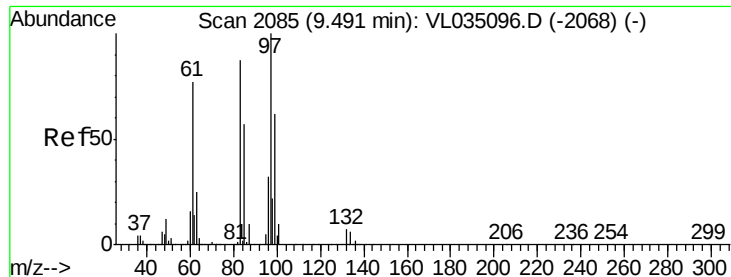
Tot Ion: 75 Resp: 1190394
Ion Ratio Lower Upper
75 100
77 33.1 25.5 38.3



#46
cis-1,3-Dichloropropene
Concen: 12.159 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 75 Resp: 1413043
Ion Ratio Lower Upper
75 100
39 63.1 51.1 76.7
77 32.5 26.9 40.3

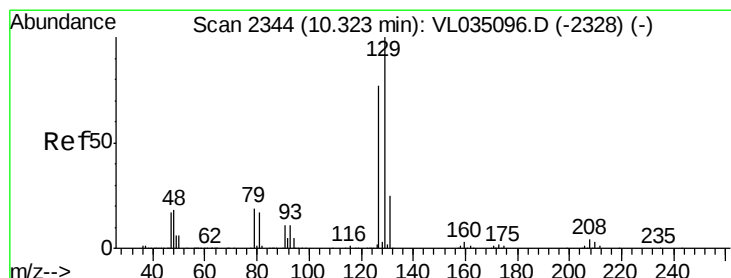
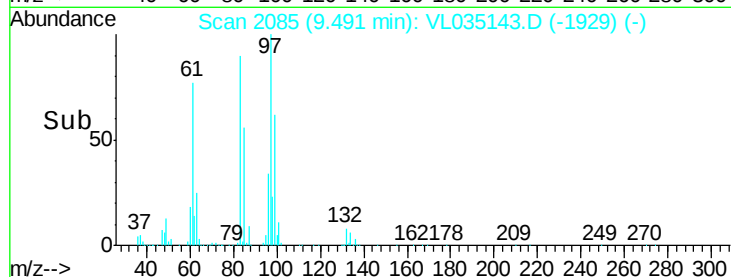
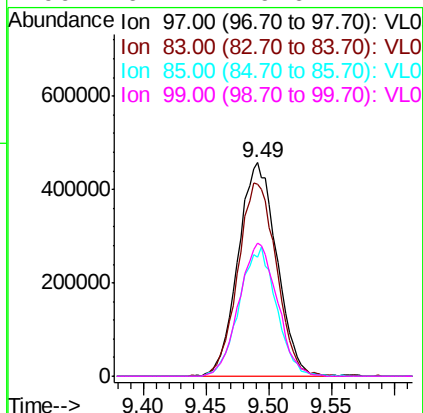
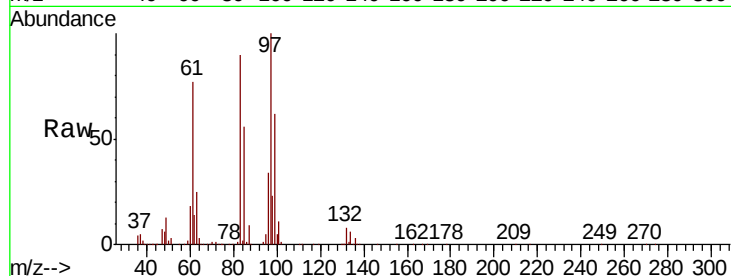




#47
 1,1,2-Trichloroethane
 Concen: 10.081 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

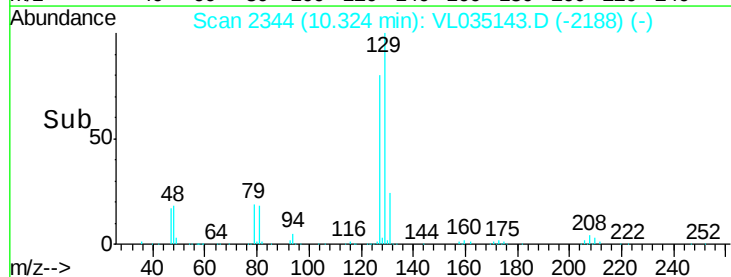
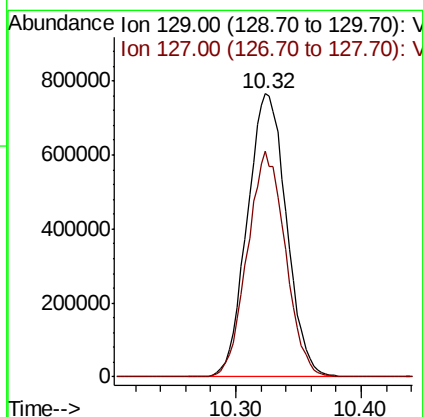
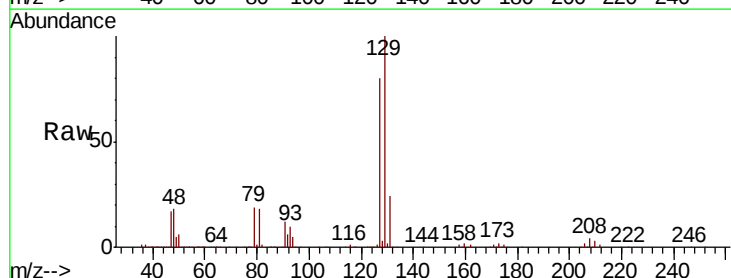
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

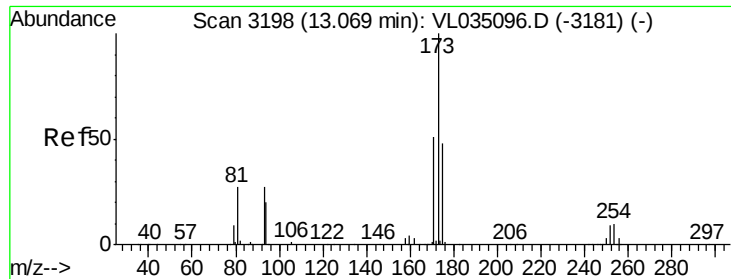
Tot Ion:	97	Resp:	977186
Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.5	104.3
85	56.0	46.0	69.0
99	62.4	49.6	74.4



#48
 Dibromochloromethane
 Concen: 11.507 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:	129	Resp:	1662913
Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.3	117.8





#49

Bromoform

Concen: 11.686 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

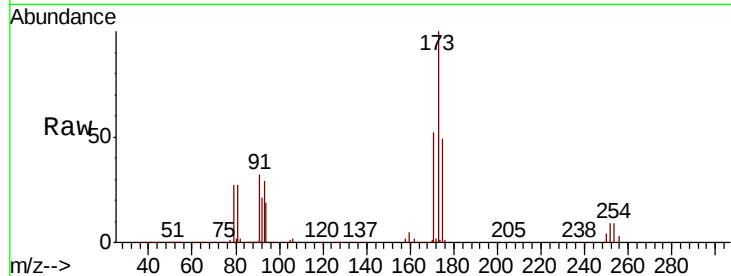
Tot Ion:173 Resp: 1434690

Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

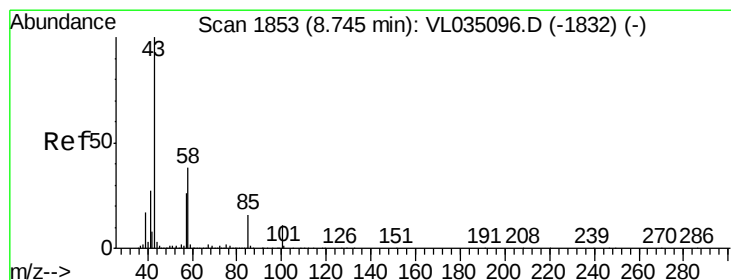
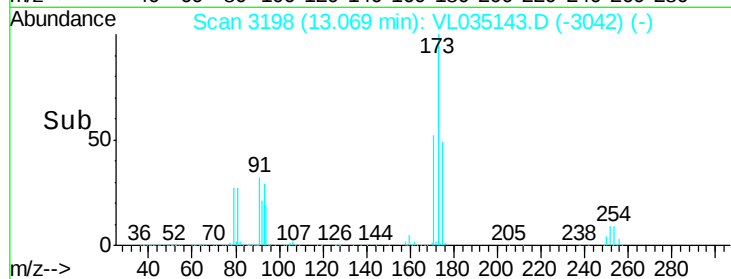
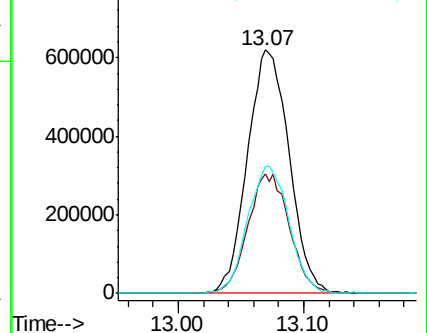
171 51.7 41.7 62.5



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: 10.212 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL035143.D

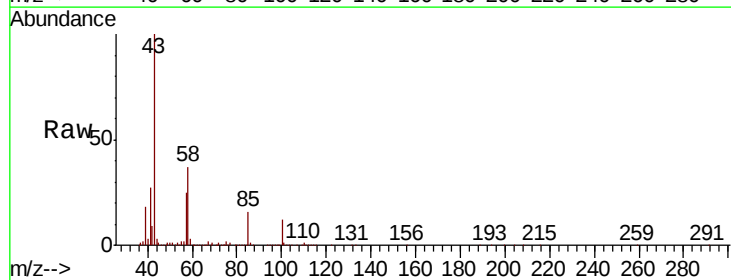
Acq: 6 Jul 2020 9:47

Tgt Ion: 43 Resp: 2443477

Ion Ratio Lower Upper

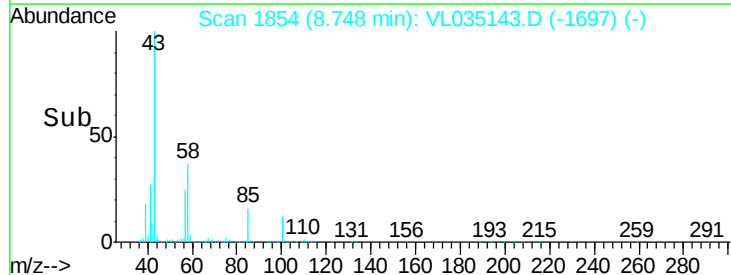
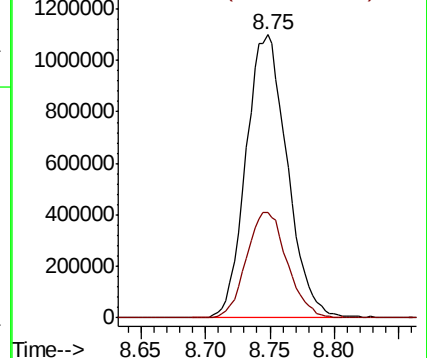
43 100

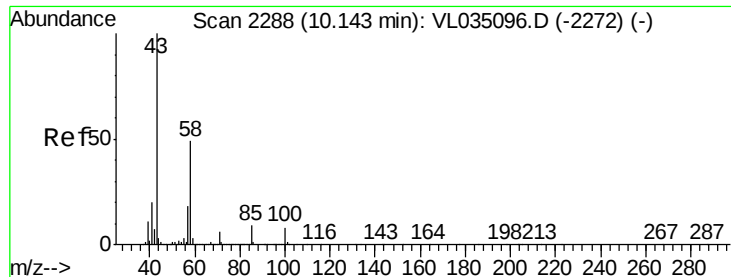
58 37.1 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

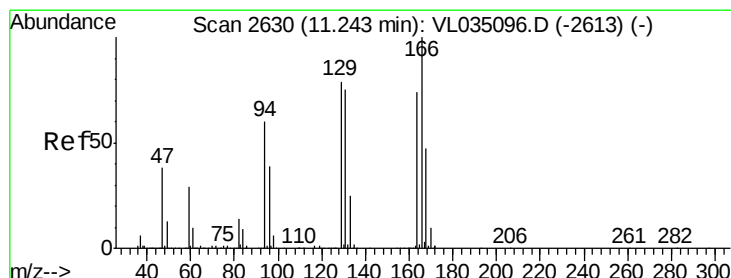
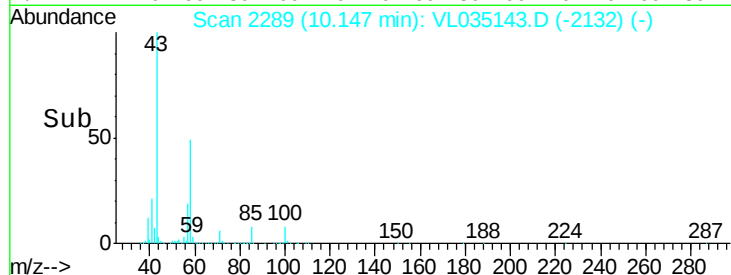
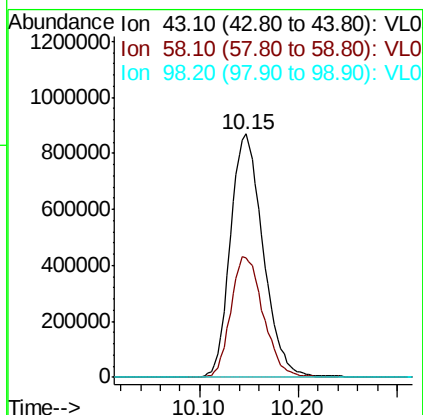
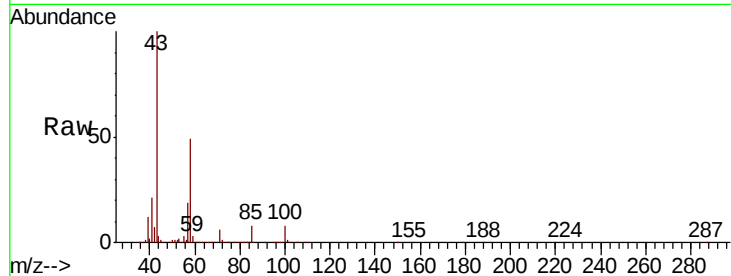




#51
2-Hexanone
Concen: 10.743 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

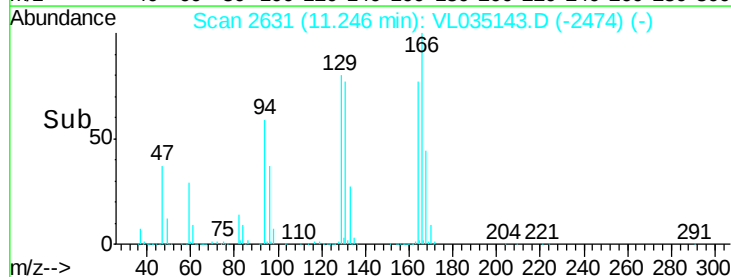
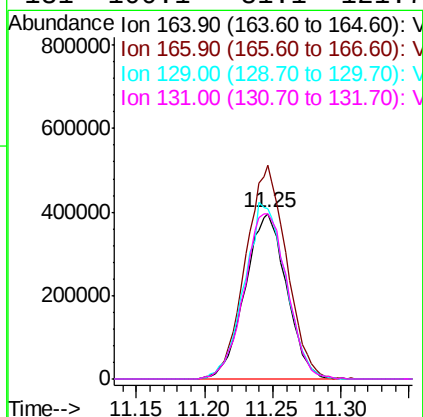
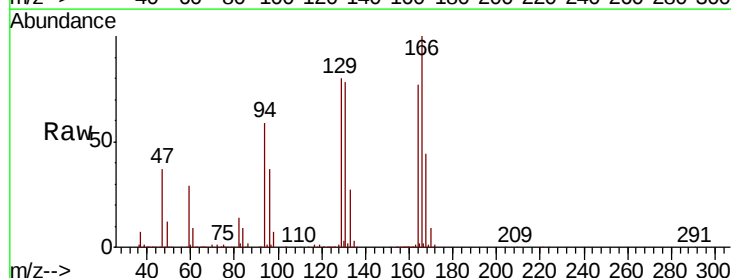
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

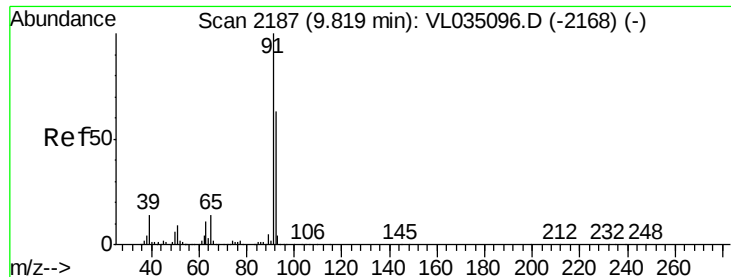
Tot Ion: 43 Resp: 2013103
Ion Ratio Lower Upper
43 100
58 49.3 39.2 58.8
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 10.430 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 164 Resp: 834558
Ion Ratio Lower Upper
164 100
166 129.2 107.5 161.3
129 103.0 84.9 127.3
131 100.1 81.1 121.7





#53

Toluene

Concen: 11.110 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

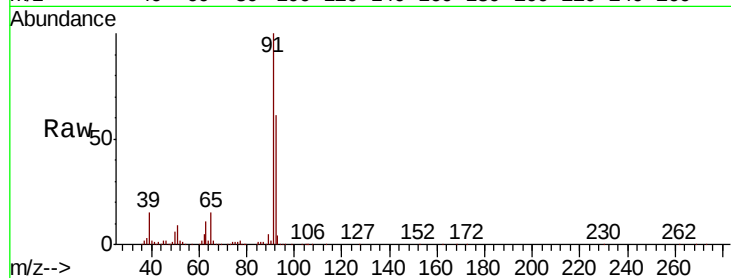
VSTDCCC010

Tot Ion: 91 Resp: 2690982

Ion Ratio Lower Upper

91 100

92 60.3 49.0 73.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1500000

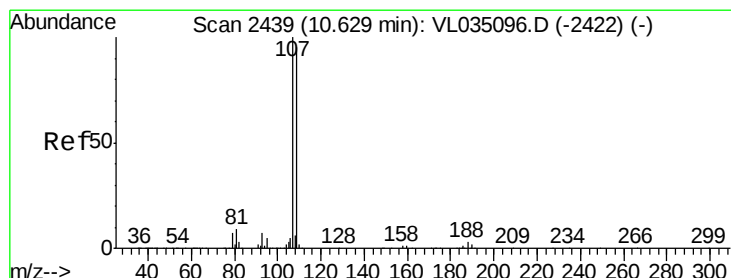
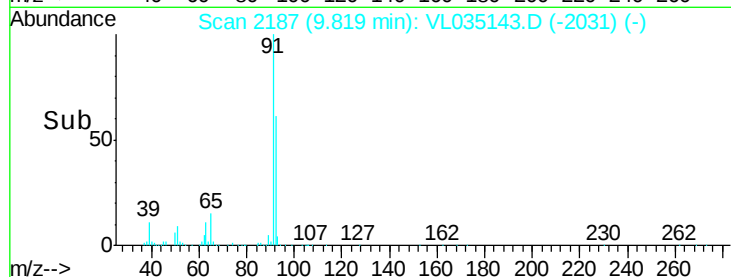
9.82

1000000

500000

0

Time--> 9.70 9.75 9.80 9.85 9.90



#54

1,2-Dibromoethane

Concen: 10.296 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035143.D

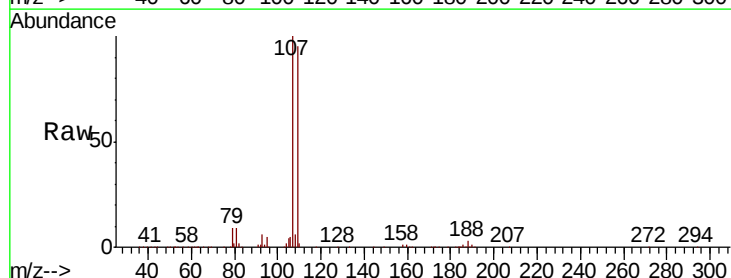
Acq: 6 Jul 2020 9:47

Tgt Ion: 107 Resp: 1477780

Ion Ratio Lower Upper

107 100

109 94.8 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

800000

10.63

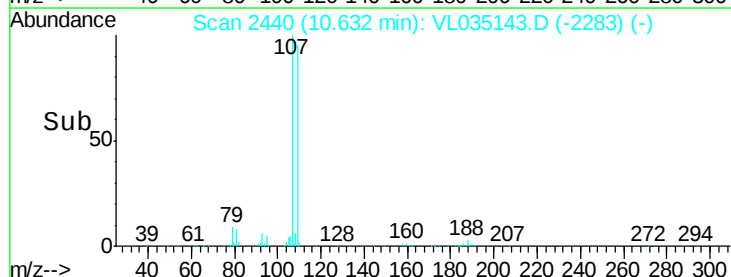
600000

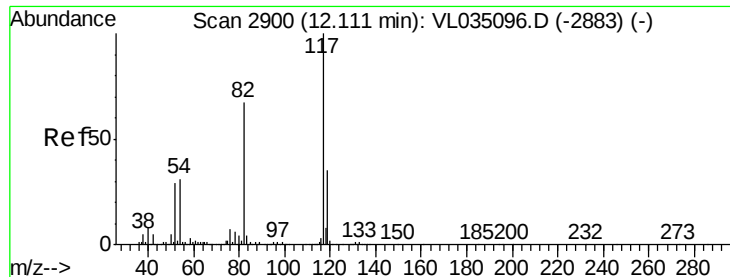
400000

200000

0

Time--> 10.60 10.63 10.67 10.70

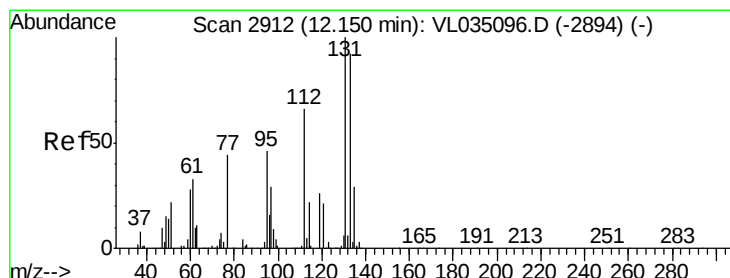
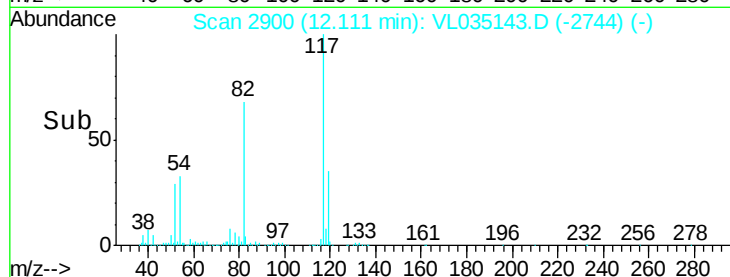
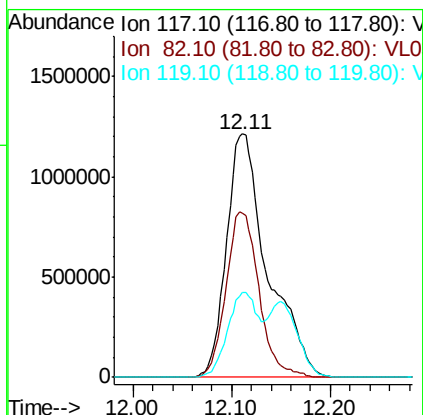
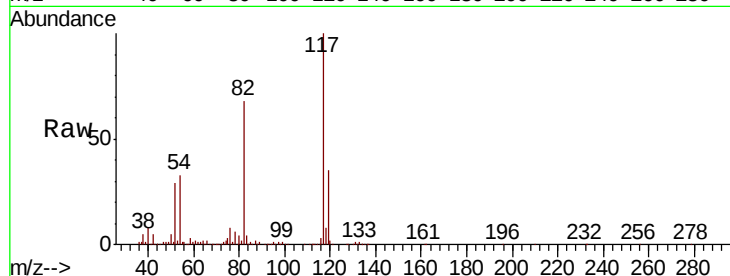




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

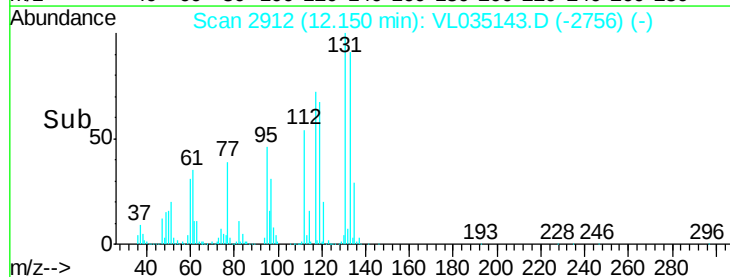
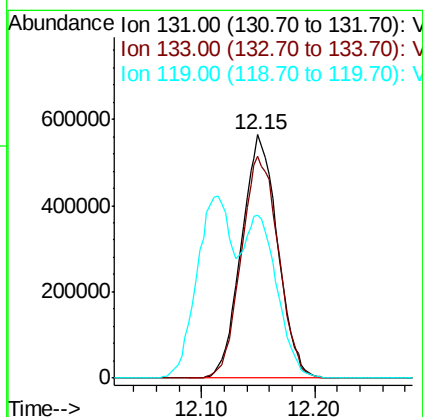
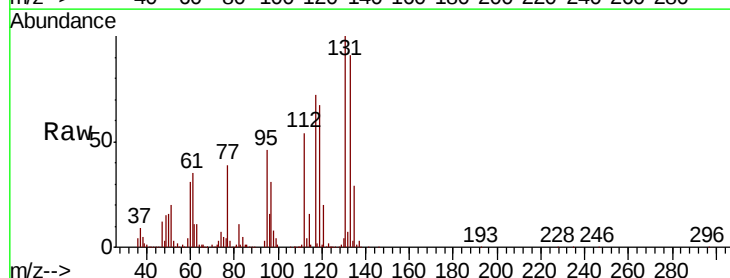
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

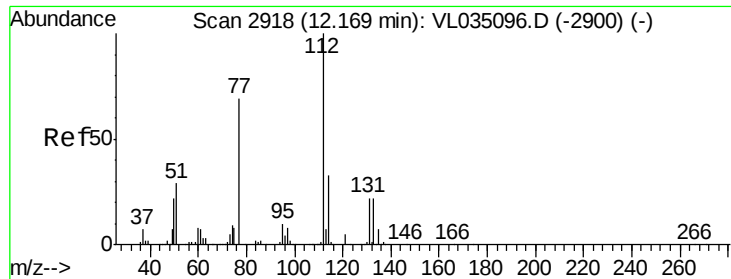
Tot Ion:117 Resp: 3533187
Ion Ratio Lower Upper
117 100
82 54.6 50.4 75.6
119 28.8 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.663 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion:131 Resp: 1252574
Ion Ratio Lower Upper
131 100
133 94.1 76.2 114.4
119 64.4 114.6 172.0#





#57

Chlorobenzene

Concen: 7.921 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

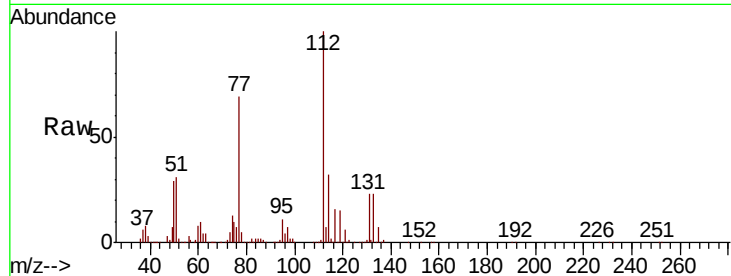
Tot Ion:112 Resp: 2059342

Ion Ratio Lower Upper

112 100

77 68.4 56.7 85.1

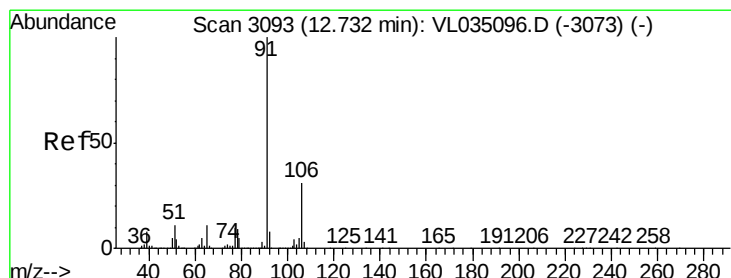
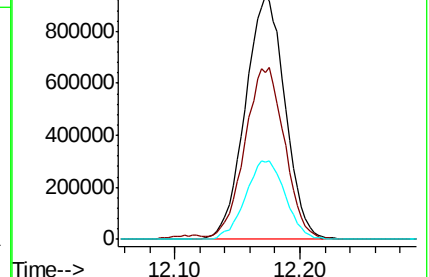
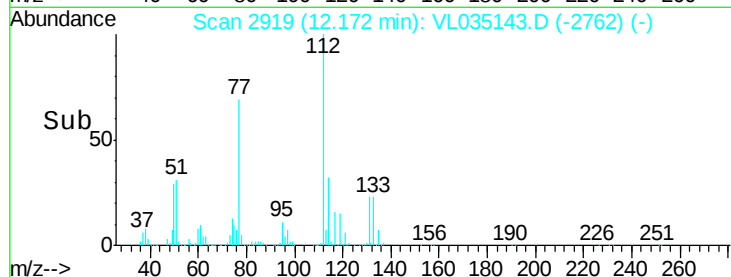
114 31.7 29.3 35.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.132 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL035143.D

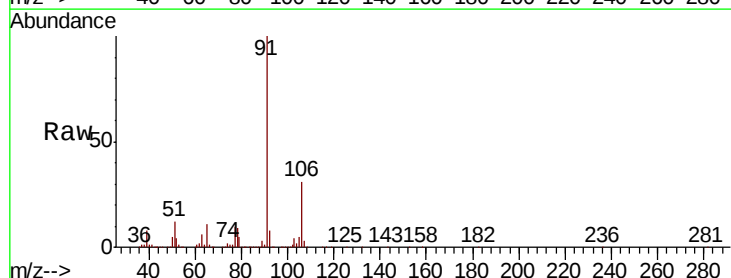
Acq: 6 Jul 2020 9:47

Tgt Ion: 91 Resp: 3625353

Ion Ratio Lower Upper

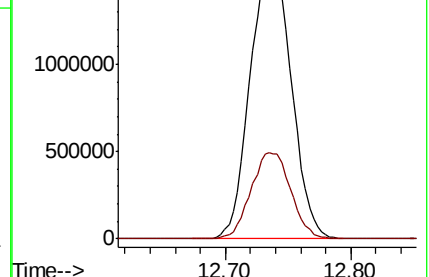
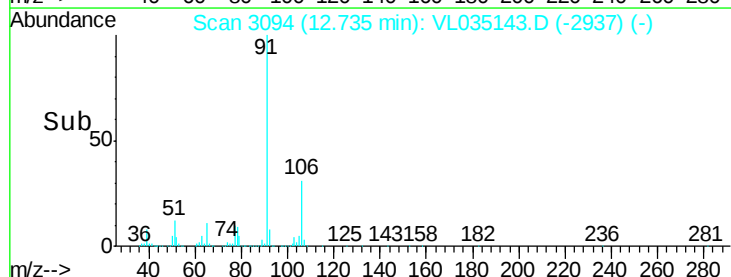
91 100

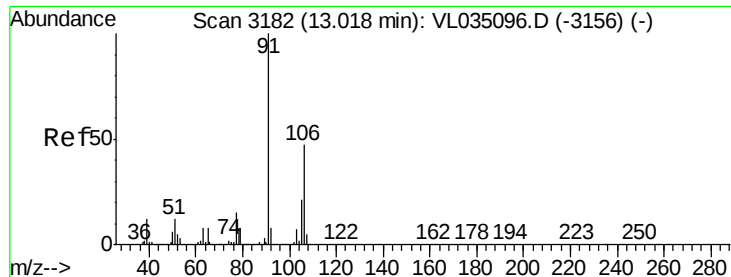
106 30.6 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

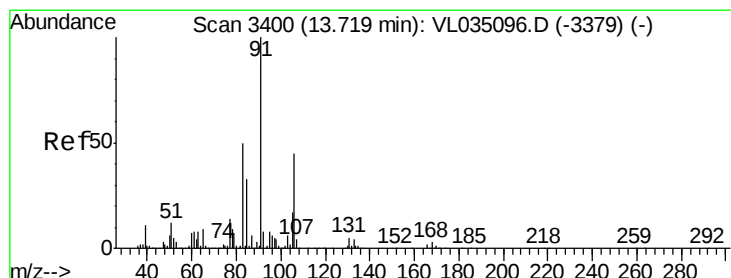
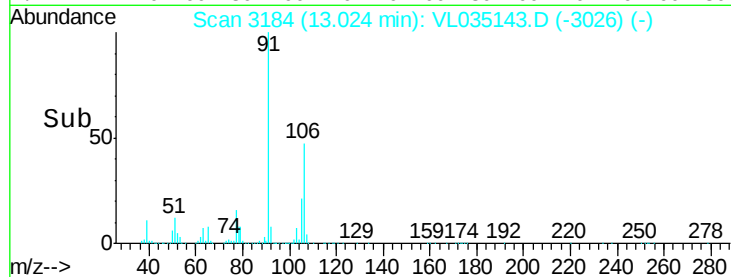
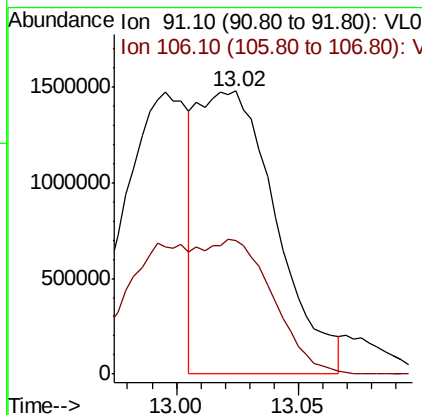
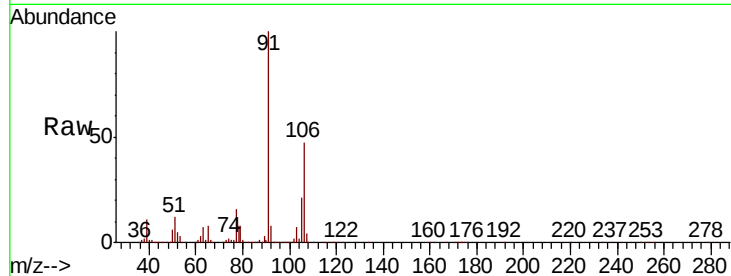




#59
m/p-Xylene
Concen: 9.353 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.01 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

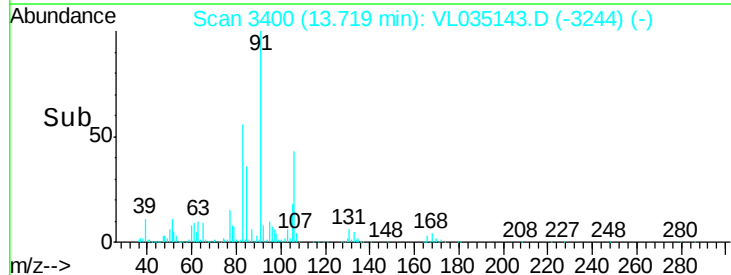
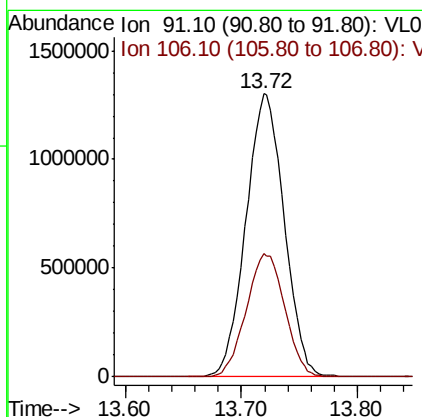
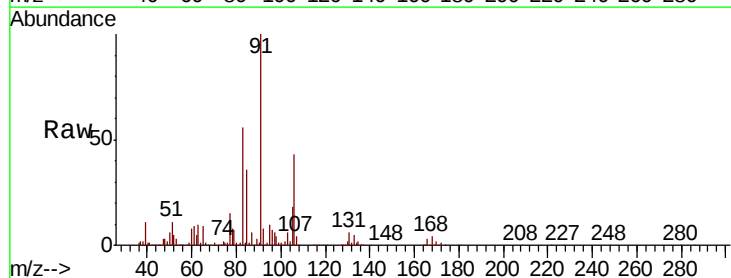
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

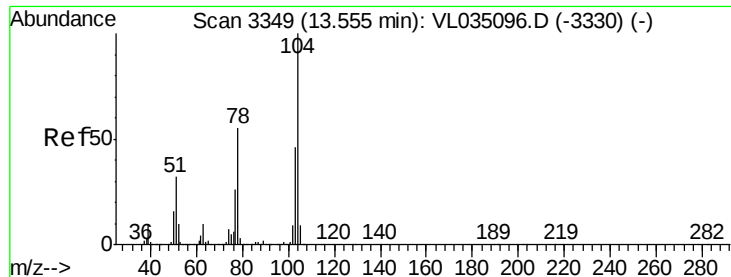
Tot Ion: 91 Resp: 3290612
Ion Ratio Lower Upper
91 100
106 83.0 36.5 54.7#



#60
o-Xylene
Concen: 8.520 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035143.D
Acq: 6 Jul 2020 9:47

Tgt Ion: 91 Resp: 2984094
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.5





#61

Stvrene

Concen: 9.614 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

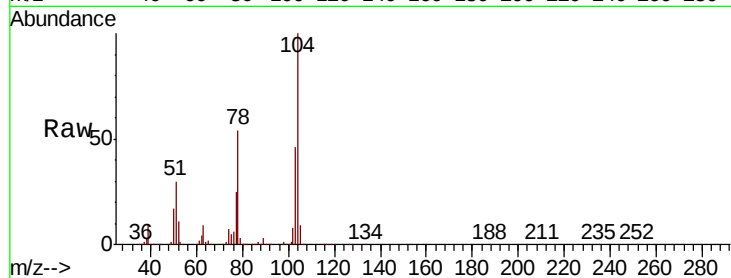
Tot Ion:104 Resp: 2118876

Ion Ratio Lower Upper

104 100

78 54.2 43.4 65.0

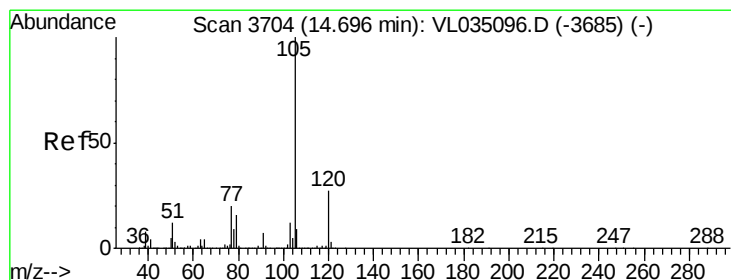
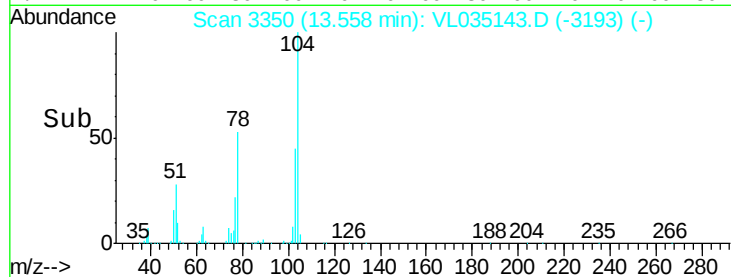
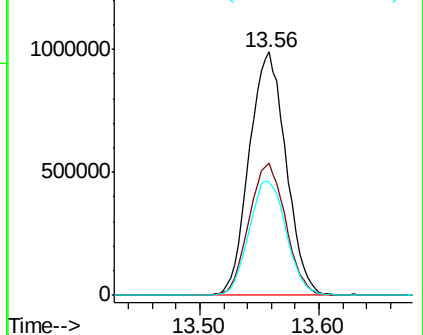
103 47.5 38.3 57.5



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: 8.402 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL035143.D

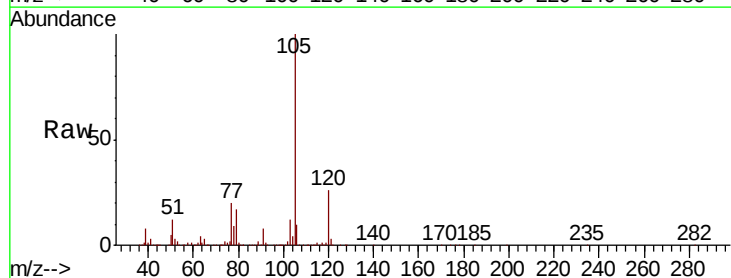
Acq: 6 Jul 2020 9:47

Tgt Ion:105 Resp: 4391628

Ion Ratio Lower Upper

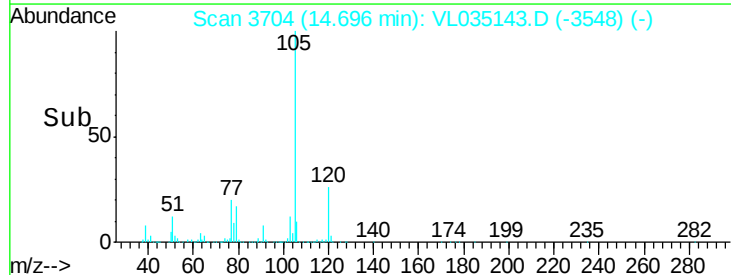
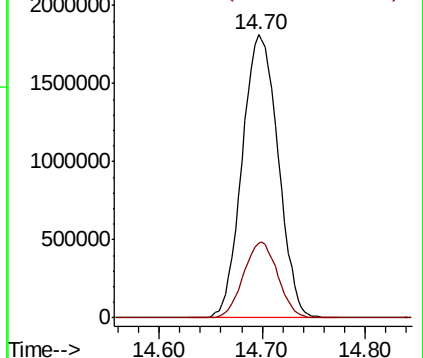
105 100

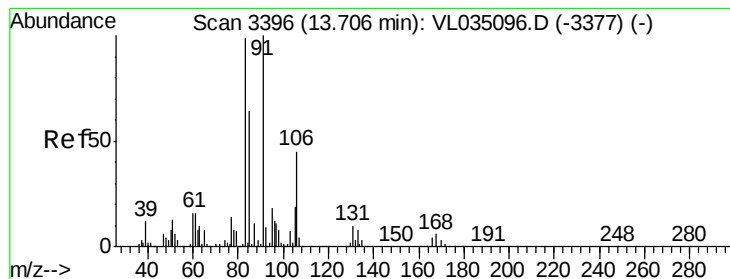
120 25.6 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.441 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

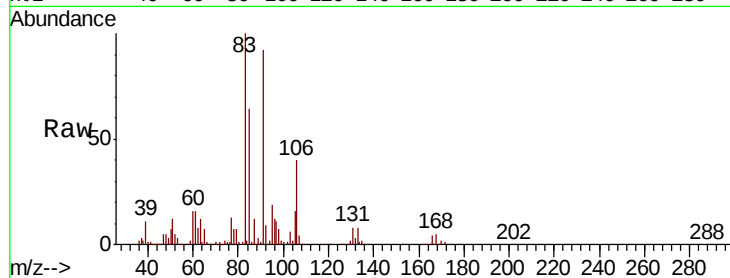
Tot Ion: 83 Resp: 2110895

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

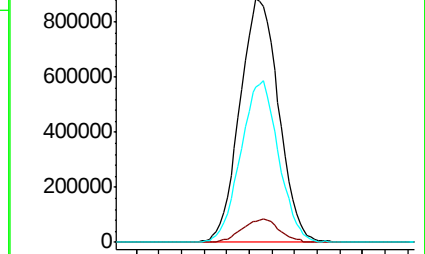
85 64.9 32.4 97.0



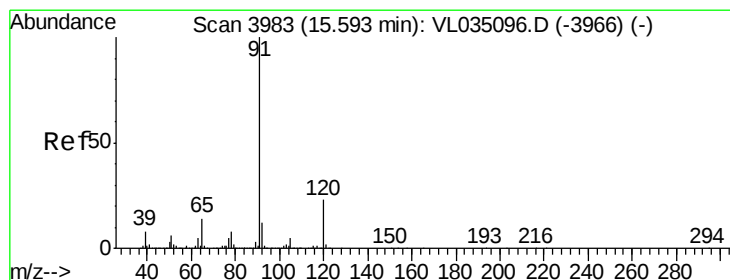
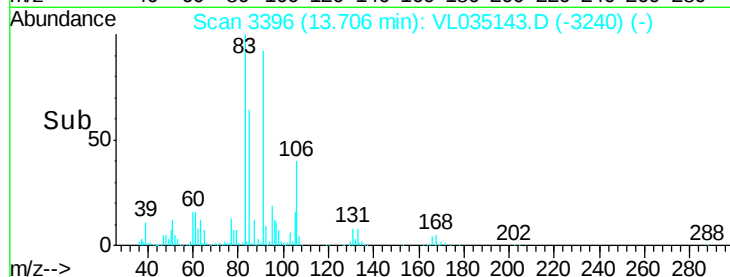
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time--> 13.60 13.70 13.80



#64

n-propylbenzene

Concen: 8.594 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VL035143.D

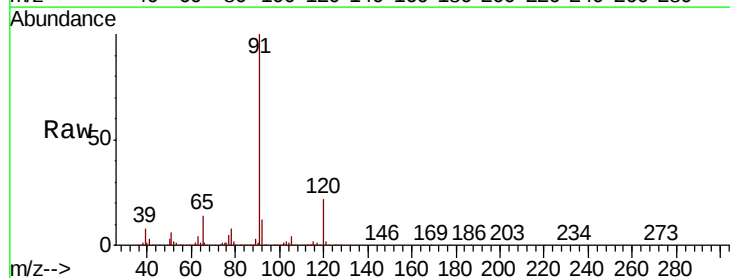
Acq: 6 Jul 2020 9:47

Tgt Ion:120 Resp: 1146223

Ion Ratio Lower Upper

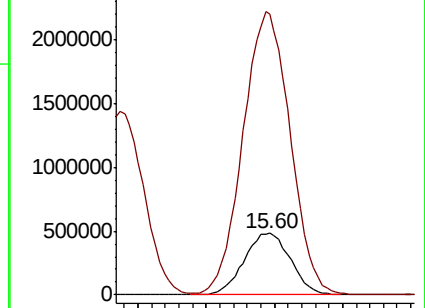
120 100

91 465.1 367.9 551.9

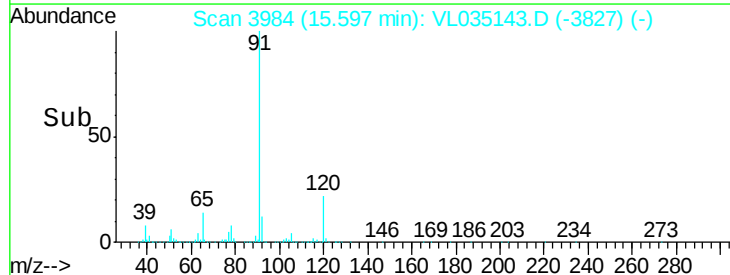


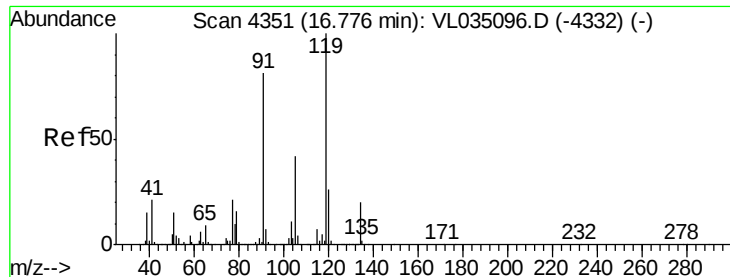
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time--> 15.50 15.55 15.60 15.65





#65

tert-Butylbenzene

Concen: 8.474 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

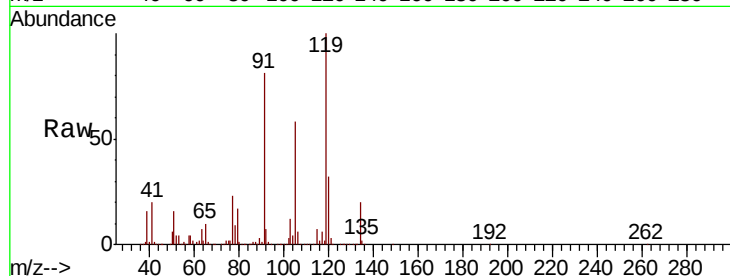
Tot Ion:119 Resp: 3792499

Ion Ratio Lower Upper

119 100

91 83.9 67.6 101.4

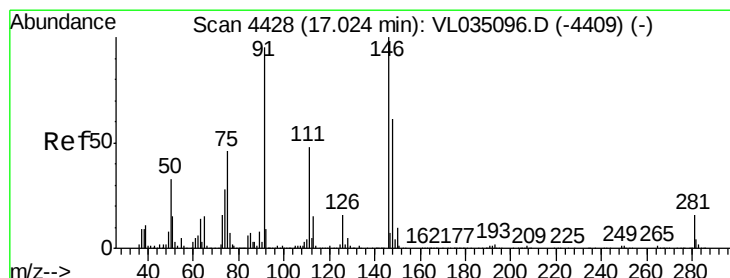
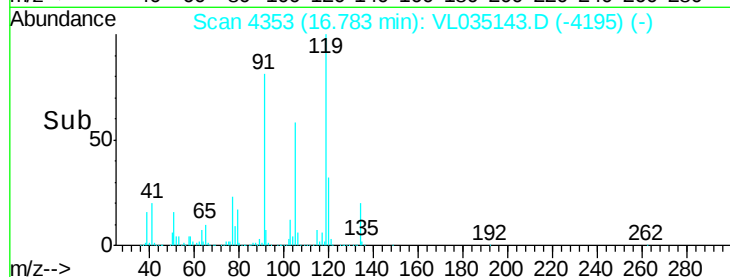
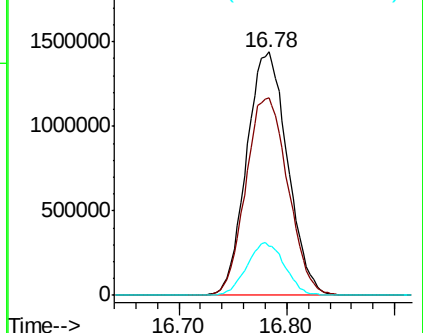
134 20.0 15.7 23.5



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.152 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

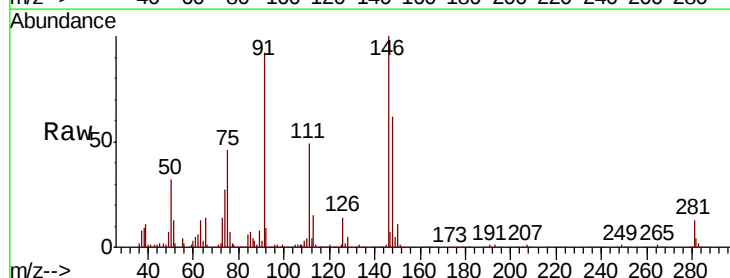
Tgt Ion: 91 Resp: 1541756

Ion Ratio Lower Upper

91 100

126 16.4 13.5 20.3

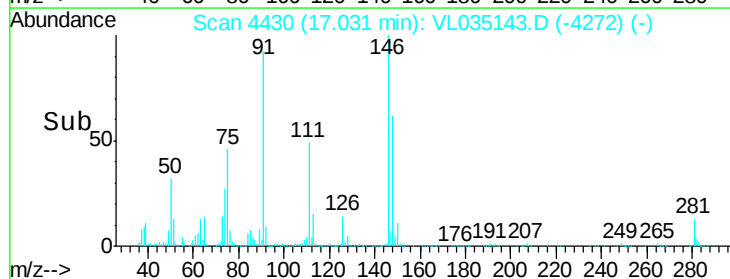
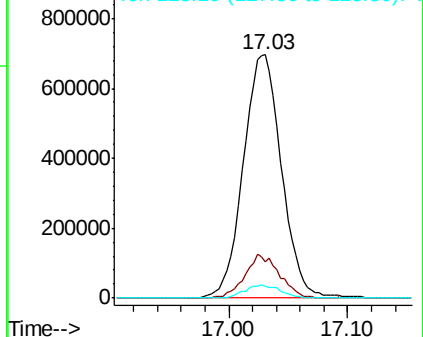
128 5.2 4.3 6.5

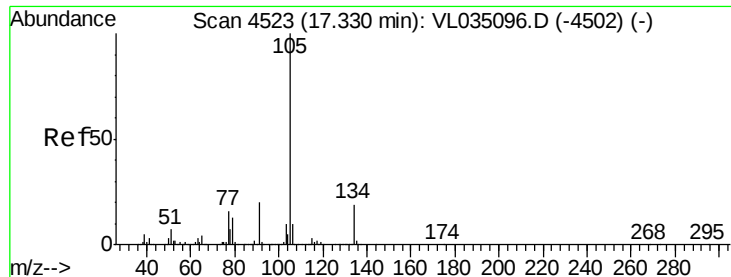


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.316 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

MSVOA_L

ClientSampleId :

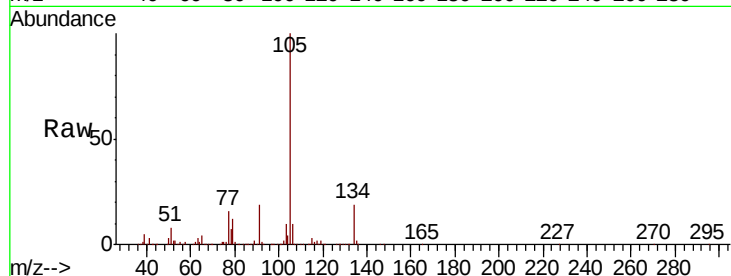
VSTDCCC010

Tot Ion:105 Resp: 5334421

Ion Ratio Lower Upper

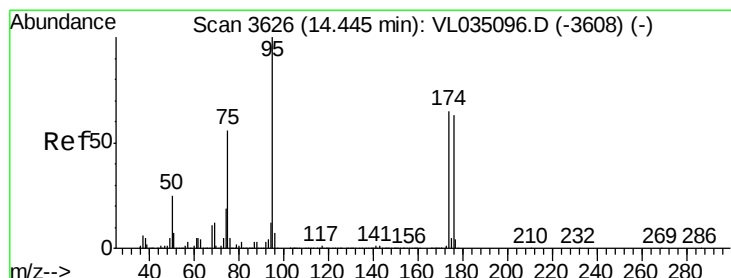
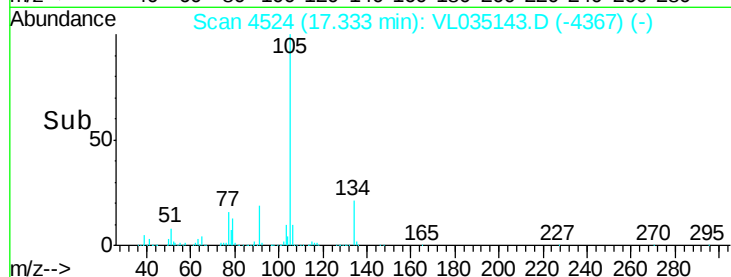
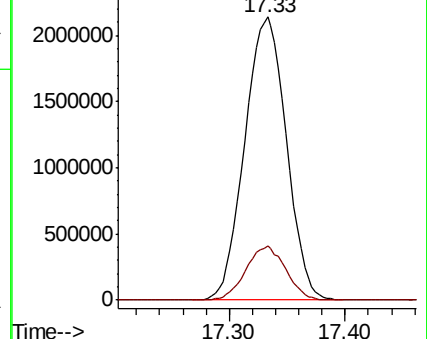
105 100

134 18.5 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.131 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

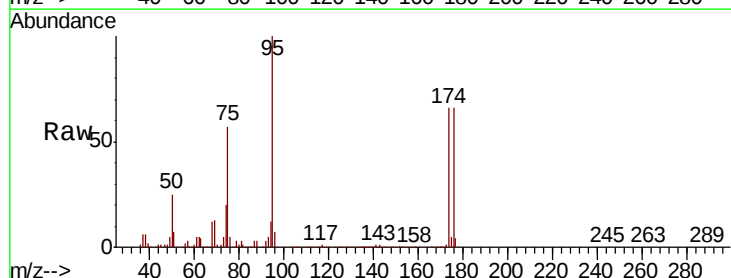
Tgt Ion: 95 Resp: 2386431

Ion Ratio Lower Upper

95 100

174 65.3 52.2 78.2

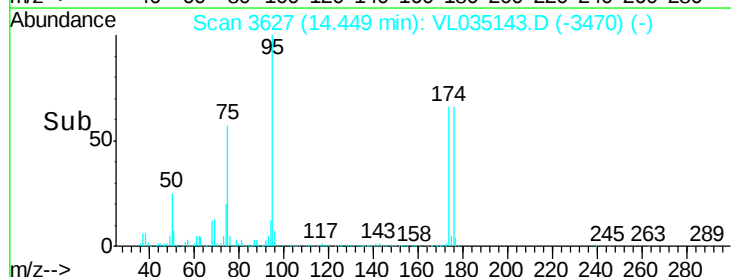
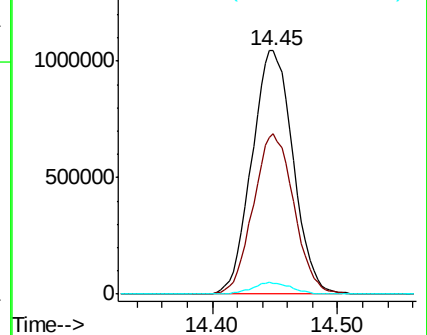
175 4.6 4.0 6.0

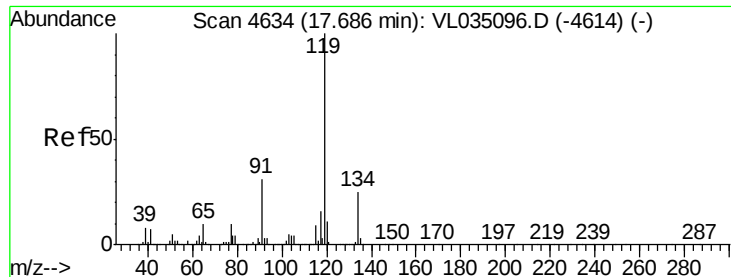


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

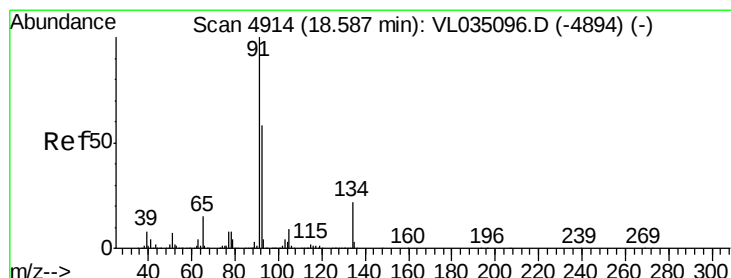
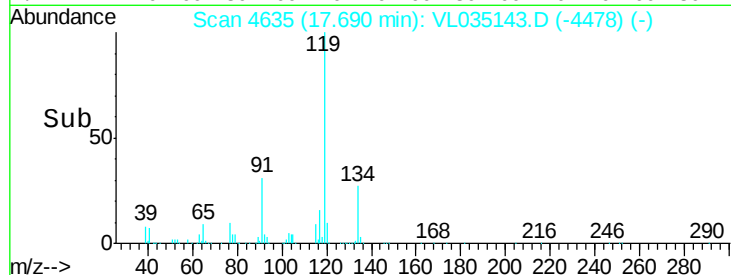
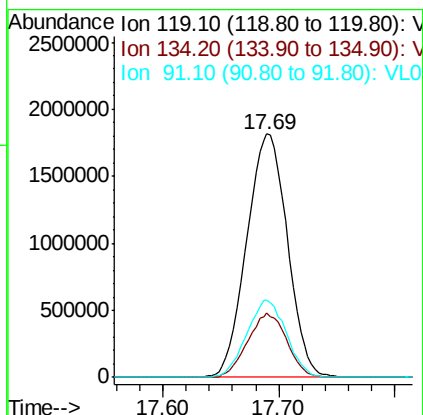
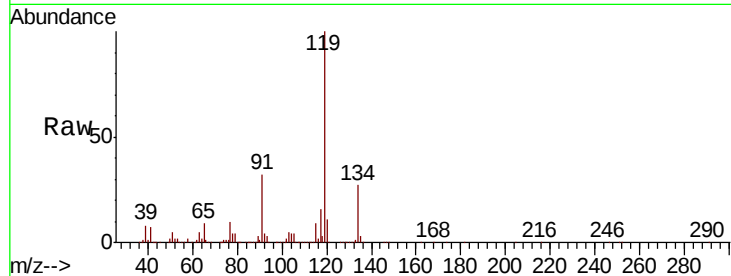




#69
 p-Isopropyltoluene
 Concen: 8.640 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

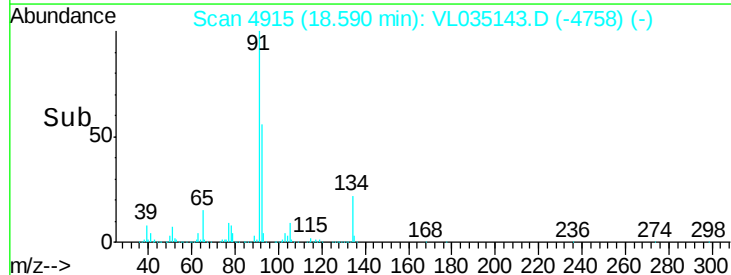
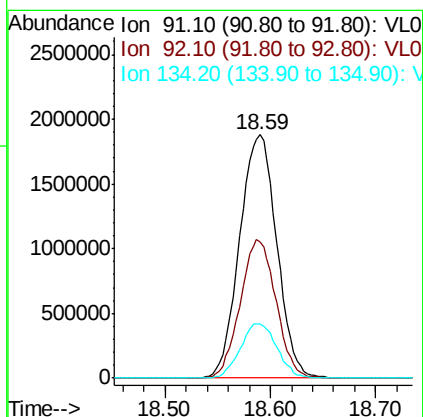
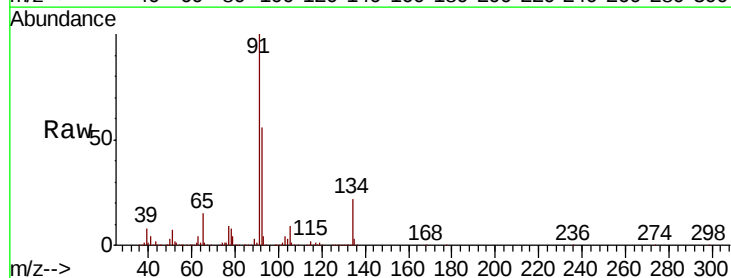
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

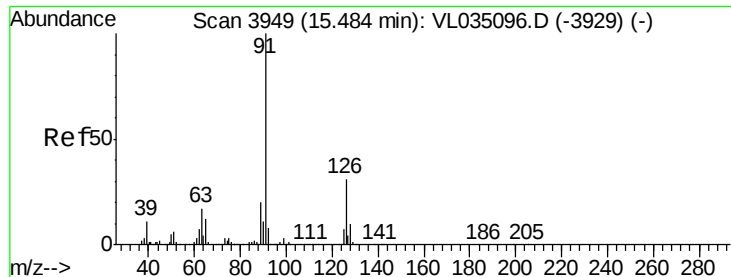
Tot Ion:119 Resp: 4420574
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.4 30.6
 91 31.1 24.5 36.7



#70
 n-Butylbenzene
 Concen: 8.344 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion: 91 Resp: 4598890
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.4 66.6
 134 22.2 18.0 27.0

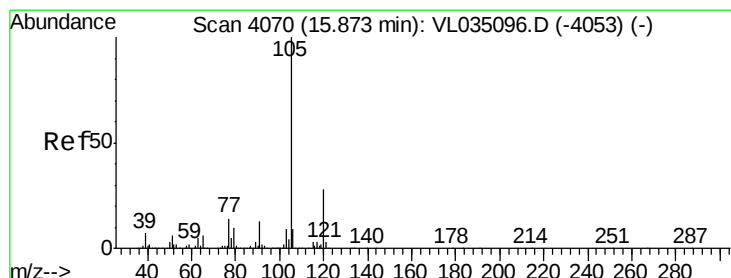
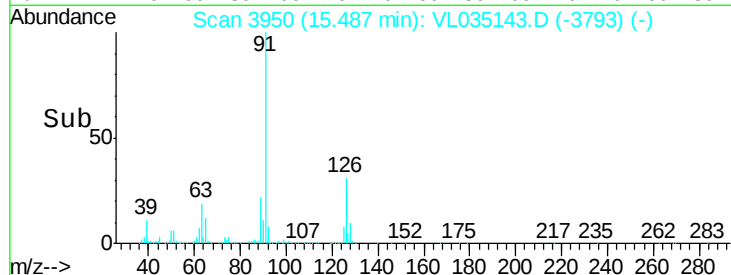
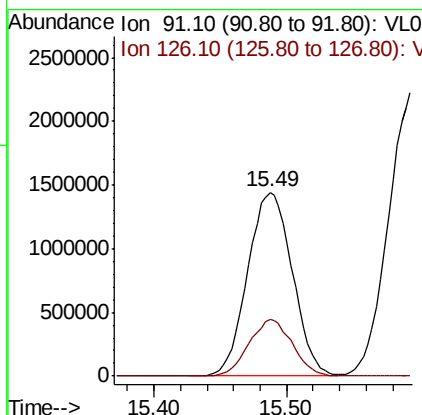
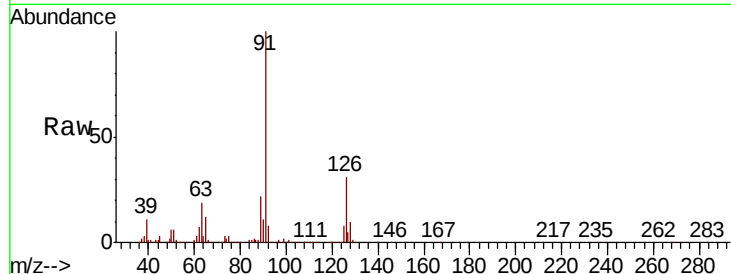




#71
 2-Chlorotoluene
 Concen: 8.563 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

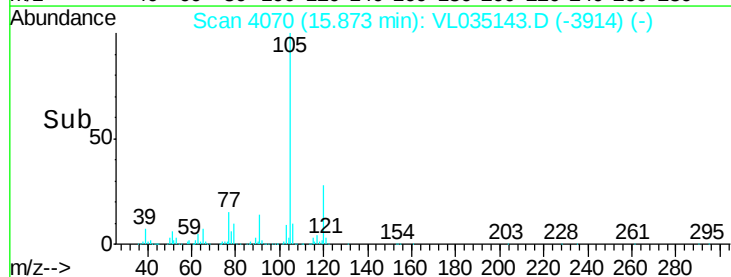
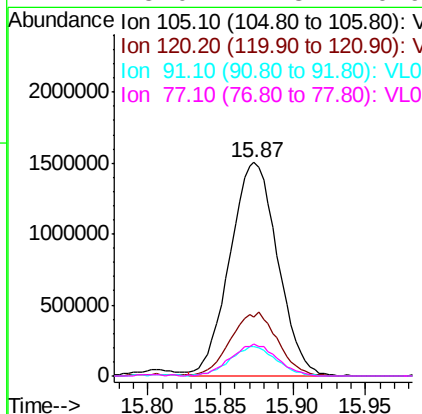
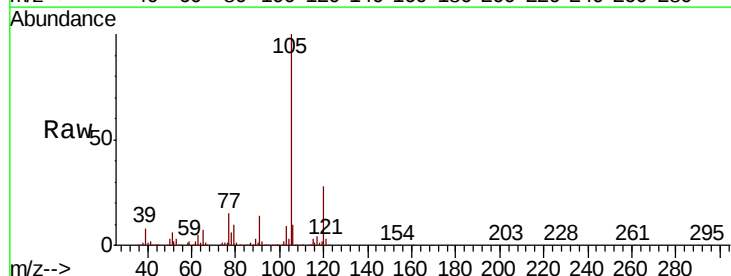
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

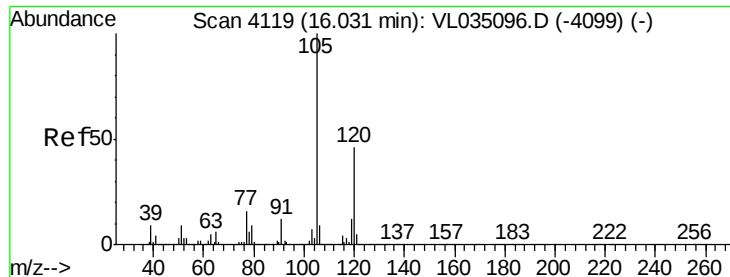
Tot Ion: 91 Resp: 3382888
 Ion Ratio Lower Upper
 91 100
 126 29.8 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 8.823 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion: 105 Resp: 3437771
 Ion Ratio Lower Upper
 105 100
 120 29.5 23.4 35.0
 91 13.9 10.6 16.0
 77 15.0 11.3 16.9

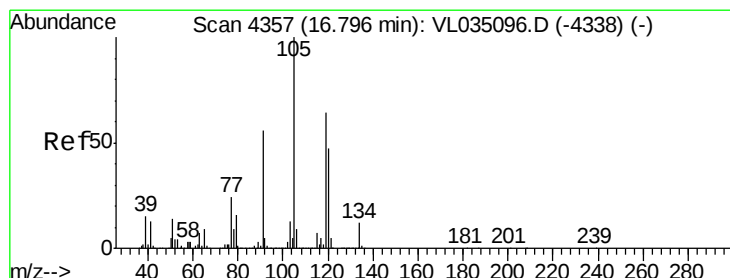
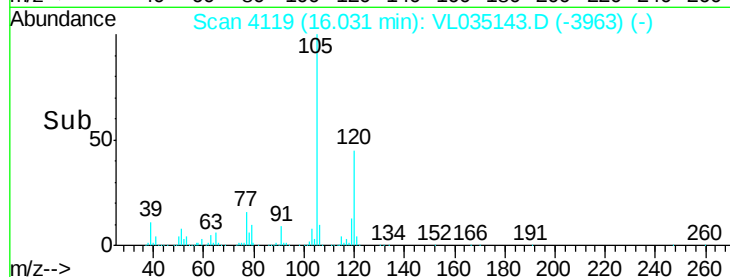
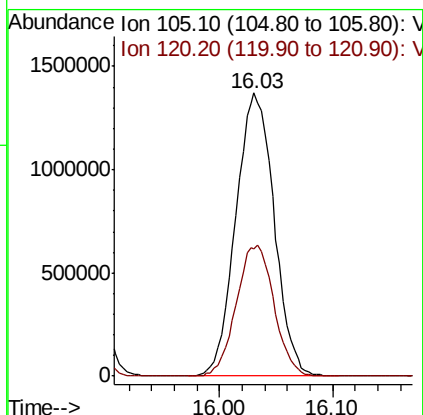
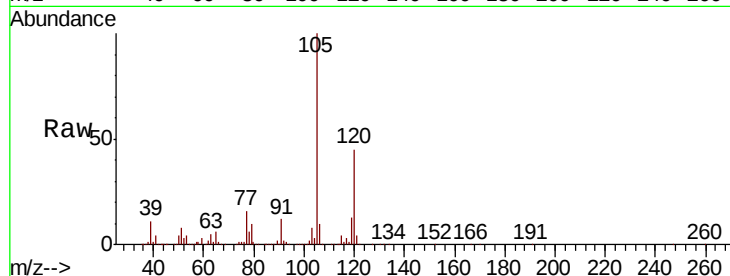




#73
 1,3,5-Trimethylbenzene
 Concen: 8.747 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

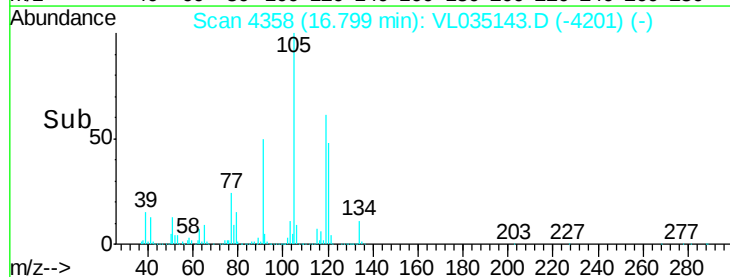
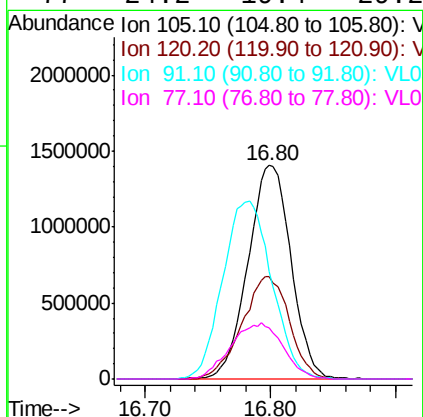
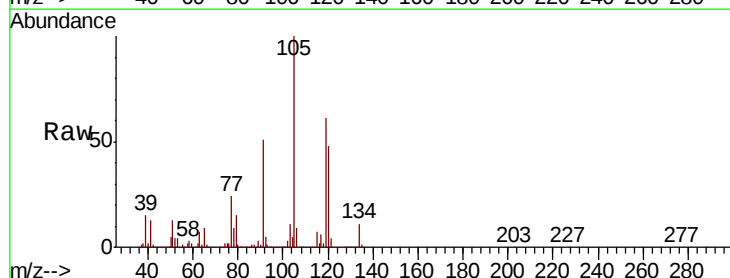
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

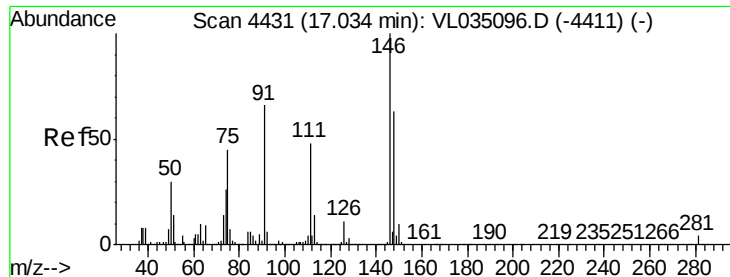
Tot Ion:105 Resp: 3221533
 Ion Ratio Lower Upper
 105 100
 120 45.1 37.0 55.6



#74
 1,2,4-Trimethylbenzene
 Concen: 8.147 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:105 Resp: 3349044
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.9 56.9
 91 50.3 46.0 69.0
 77 24.2 19.4 29.2

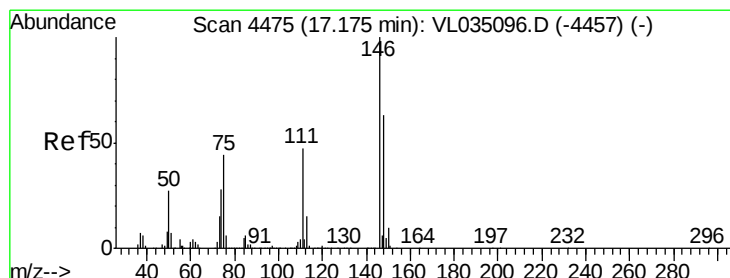
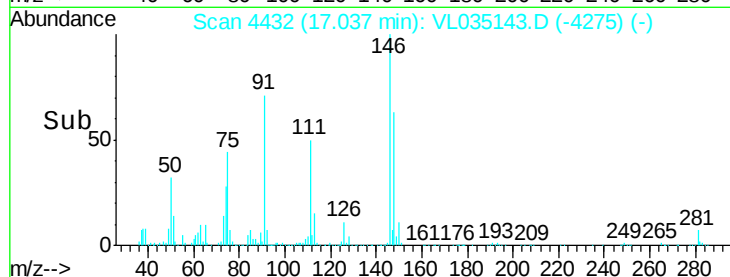
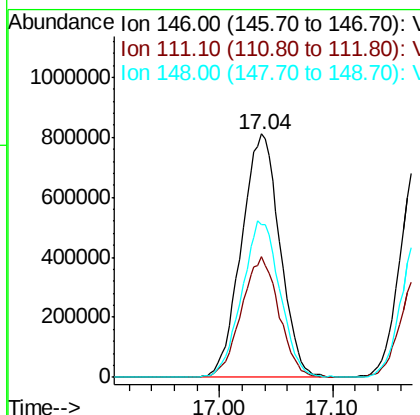
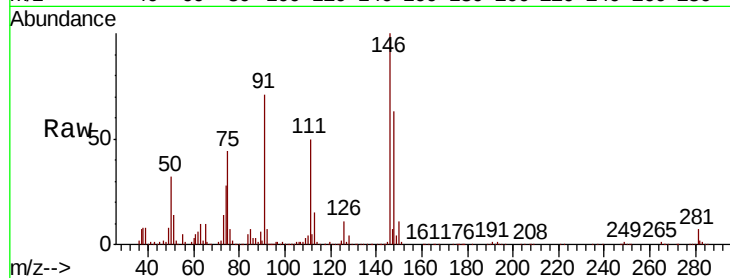




#75
 1,3-Dichlorobenzene
 Concen: 7.816 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

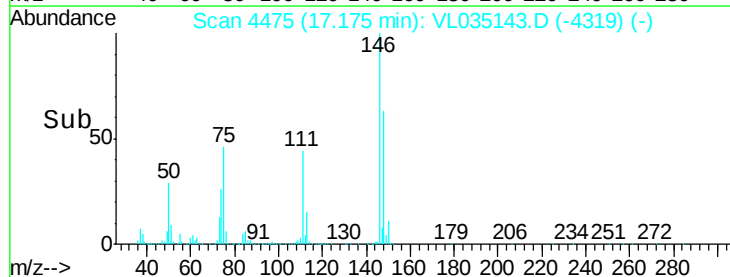
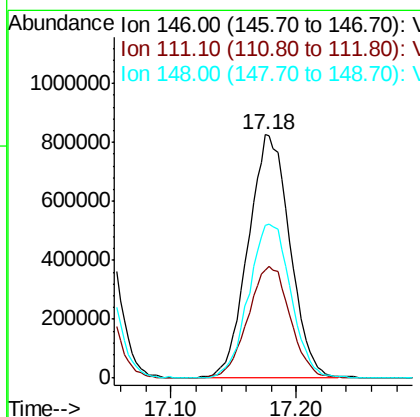
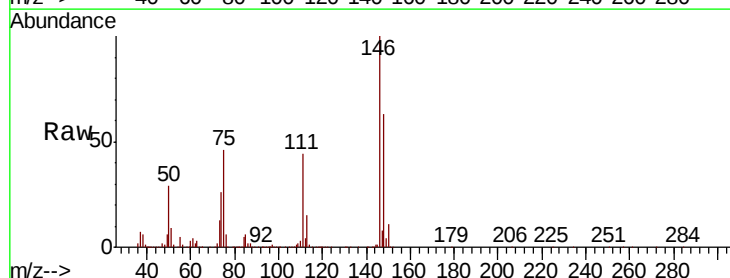
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

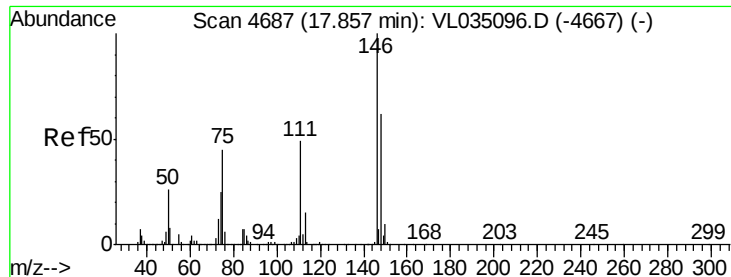
Tot Ion:146 Resp: 1917336
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.1 72.4
 148 63.7 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 8.115 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:146 Resp: 1904429
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.5 70.5
 148 64.3 32.0 96.2

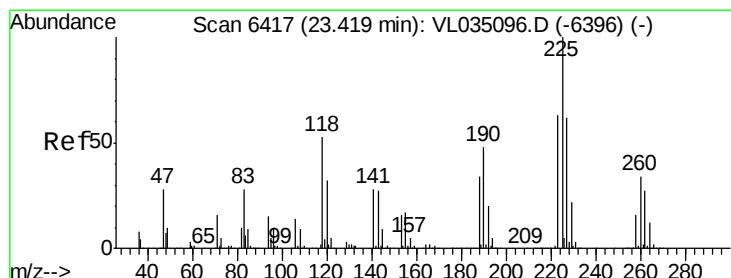
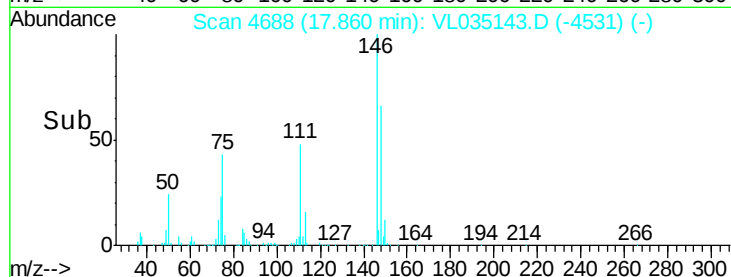
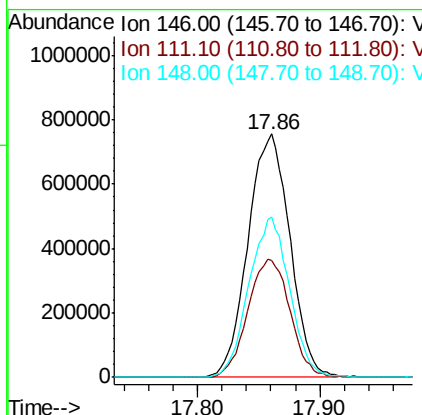
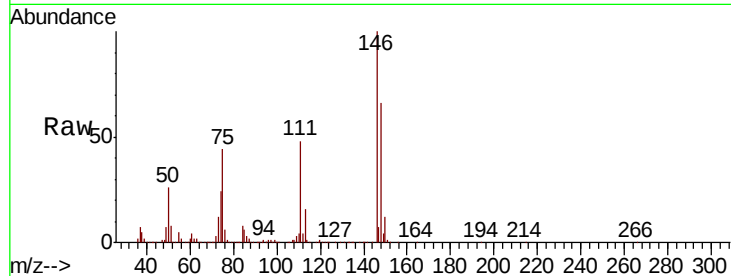




#77
 1,2-Dichlorobenzene
 Concen: 8.015 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

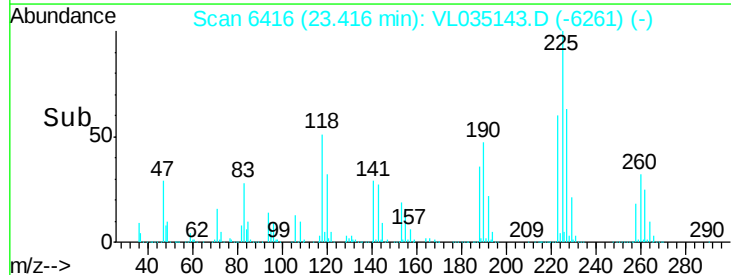
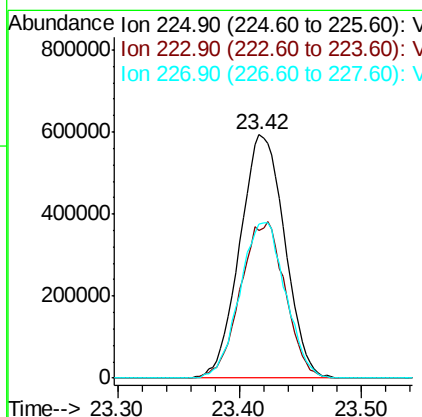
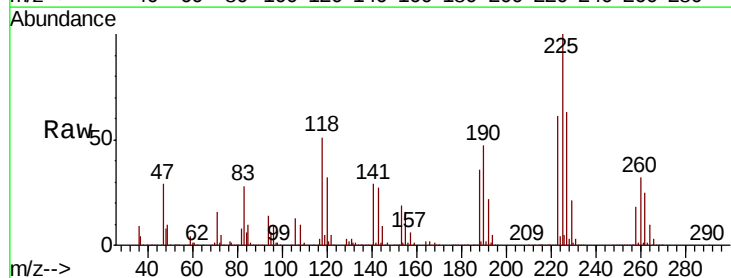
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

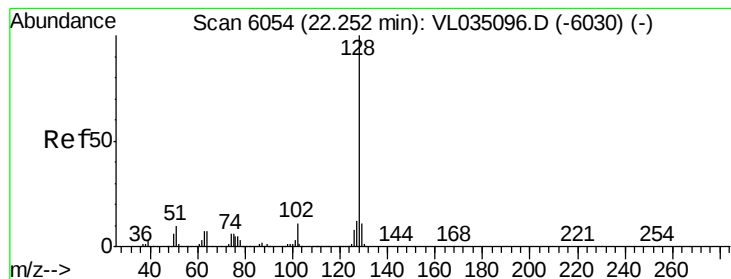
Tot Ion:146 Resp: 1799089
 Ion Ratio Lower Upper
 146 100
 111 48.9 25.0 75.0
 148 63.9 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.479 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Tgt Ion:225 Resp: 1509069
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.4 77.0
 227 65.0 51.8 77.8





#79

Naphthalene

Concen: 9.053 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Instrument :

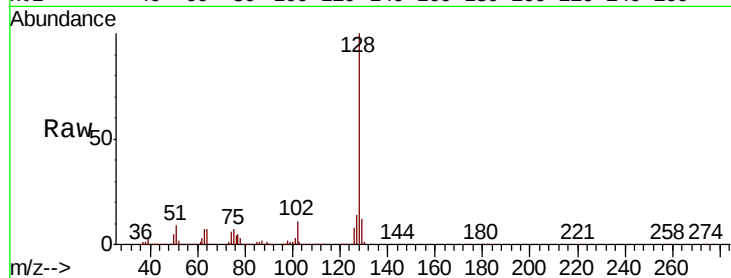
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3262654

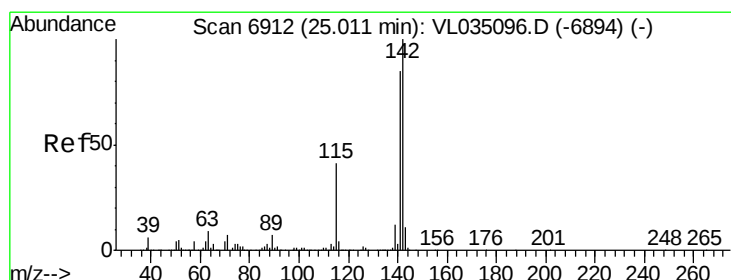
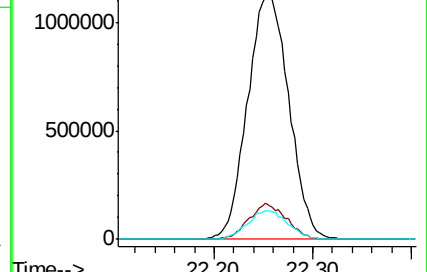
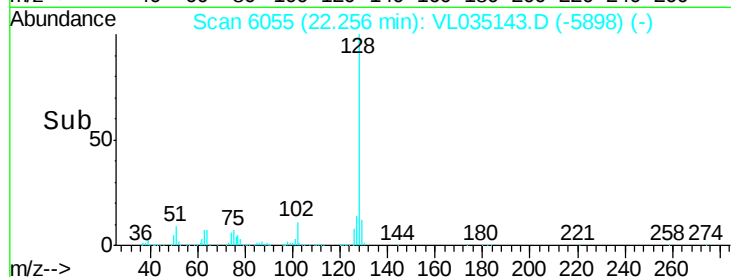
Ion	Ratio	Lower	Upper
128	100		
127	13.7	9.9	14.9
129	11.5	9.0	13.4



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: 11.542 ppbv

RT: 25.01 min Scan# 6912

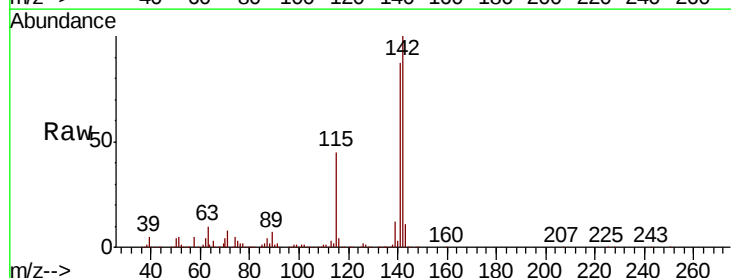
Delta R.T. 0.00 min

Lab File: VL035143.D

Acq: 6 Jul 2020 9:47

Tgt Ion:142 Resp: 1590518

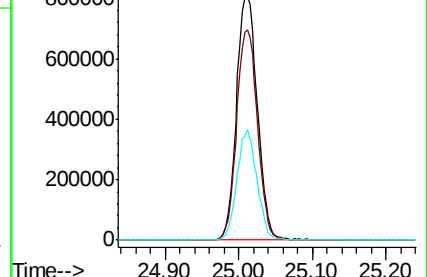
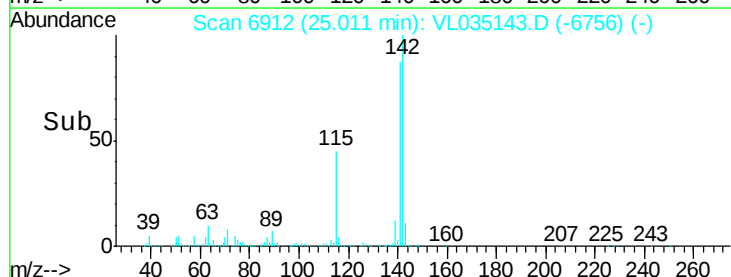
Ion	Ratio	Lower	Upper
142	100		
141	86.2	67.5	101.3
115	43.2	33.8	50.8

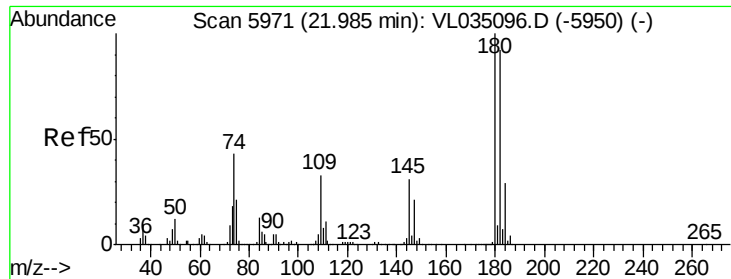


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 3.572 ppbv
 RT: 21.99 min Scan# 5972
 Delta R.T. 0.00 min
 Lab File: VL035143.D
 Acq: 6 Jul 2020 9:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 742673
 Ion Ratio Lower Upper
 180 100
 182 225.5 77.9 116.9#
 184 74.4 24.6 37.0#

