

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035119.D
 Acq On : 22 Jun 2020 20:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jun 23 01:29:01 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	5.66	49	1292914	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3064939	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.12	117	3602300	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2475744	8.27	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1678834	9.616	ppbv	96
3) Chlorodifluoromethane	2.95	51	1326312	9.286	ppbv	99
4) Chloromethane	3.10	50	767618	9.588	ppbv	97
5) Vinyl Chloride	3.22	62	756074	9.930	ppbv	99
6) Bromomethane	3.44	94	457948	9.686	ppbv	92
7) Chloroethane	3.53	64	293690	10.229	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	1731725	9.251	ppbv	99
9) Propene	2.97	41	592947	10.484	ppbv	97
10) Heptane	8.14	43	1522680	10.389	ppbv	99
11) Trichlorofluoromethane	3.92	101	1780943	9.549	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1257891	9.753	ppbv	98
13) Ethanol	3.58	45	150821	7.059	ppbv	95
14) Bromoethene	3.71	108	560501	10.082	ppbv	99
15) Acetone	3.82	43	1368186	8.753	ppbv	100
16) 1,3-Butadiene	3.29	39	693304	10.113	ppbv	99
17) tert-Butyl alcohol	4.27	59	1521414	10.982	ppbv	100
18) 1,1-Dichloroethene	4.27	96	588257	10.113	ppbv	98
19) Isopropyl Alcohol	3.94	45	1044395	10.290	ppbv	# 98
20) Methylene Chloride	4.32	84	519694	8.215	ppbv	91
21) Allyl Chloride	4.39	41	982304	10.574	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	584272	10.736	ppbv	98
23) Vinyl Acetate	5.06	43	2036758	10.734	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1539466	9.624	ppbv	99
25) Ethyl Acetate	5.67	43	2653994	9.408	ppbv	99
26) Hexane	5.68	57	1196113	9.404	ppbv	98
27) Carbon Disulfide	4.53	76	1565400	11.893	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1859599	10.406	ppbv	100
29) Chloroform	5.75	83	1828845	9.188	ppbv	99
30) Cyclohexane	7.14	84	986621	10.808	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1199472	10.230	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1790800	9.701	ppbv	100
34) 2-Butanone	5.24	43	1709952	9.715	ppbv	100
35) Carbon Tetrachloride	7.03	117	1840760	10.014	ppbv	99
36) Benzene	6.90	78	2365133	9.965	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1442631	9.618	ppbv	100
38) Trichloroethene	7.85	130	902842	9.794	ppbv	98
39) 1,2-Dichloropropane	7.63	63	917163	9.881	ppbv	97
40) 1,4-Dioxane	7.84	88	358676	9.796	ppbv	# 95
41) Tetrahydrofuran	6.05	42	960691	10.686	ppbv	99
42) Bromodichloromethane	7.81	83	1964652	10.113	ppbv	98
43) Methyl Methacrylate	8.03	69	1062510	10.577	ppbv	100

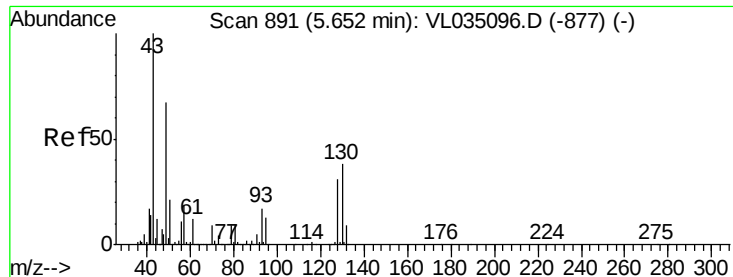
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4021158	9.708	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1191284	12.185	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1415940	11.658	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	964998	9.525	ppbv	99
48) Dibromochloromethane	10.34	129	1590451	10.531	ppbv	100
49) Bromoform	13.08	173	1321420	10.299	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2478596	9.911	ppbv	99
51) 2-Hexanone	10.16	43	2004394	10.235	ppbv	100
52) Tetrachloroethene	11.26	164	821760	9.827	ppbv	97
53) Toluene	9.83	91	2690739	10.629	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1448659	9.658	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.17	131	1184066	8.032	ppbv	100
57) Chlorobenzene	12.19	112	1992553	7.517	ppbv	96
58) Ethyl Benzene	12.75	91	3548019	8.766	ppbv	100
59) m/p-Xylene	13.03	91	3138678	8.750	ppbv #	41
60) o-Xylene	13.73	91	2856478	7.999	ppbv	100
61) Styrene	13.57	104	2039822	9.077	ppbv	99
62) Isopropylbenzene	14.71	105	4197099	7.876	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1971149	6.815	ppbv	100
64) n-propylbenzene	15.61	120	1100876	8.095	ppbv	97
65) tert-Butylbenzene	16.79	119	3606136	7.903	ppbv	99
66) Benzyl Chloride	17.04	91	1420191	10.075	ppbv	100
67) sec-Butylbenzene	17.34	105	5137183	7.855	ppbv	99
69) p-Isopropyltoluene	17.70	119	4311653	8.265	ppbv	100
70) n-Butylbenzene	18.60	91	4626018	8.232	ppbv	99
71) 2-Chlorotoluene	15.50	91	3243404	8.052	ppbv	99
72) 4-Ethyltoluene	15.89	105	3345396	8.421	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3086086	8.218	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3257357	7.772	ppbv #	89
75) 1,3-Dichlorobenzene	17.05	146	1880112	7.517	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1874916	7.836	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1829494	7.994	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1778581	8.646	ppbv	99
79) Naphthalene	22.27	128	3921049	10.671	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	1469988	10.463	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	2032745	9.590	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL035119.D

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ClientSampleId :

VSTDCCC010EC

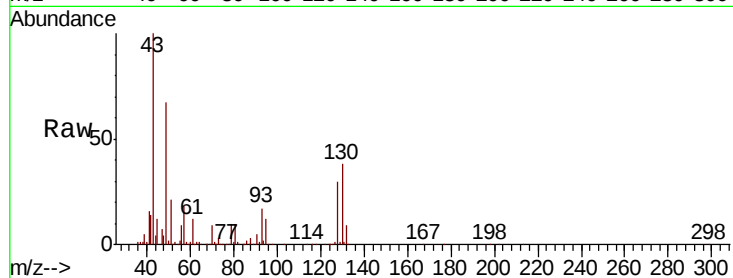
Tot Ion: 49 Resp: 1292914

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.9	68.5
130	59.5	29.0	87.0

49 100

128 45.8 22.9 68.5

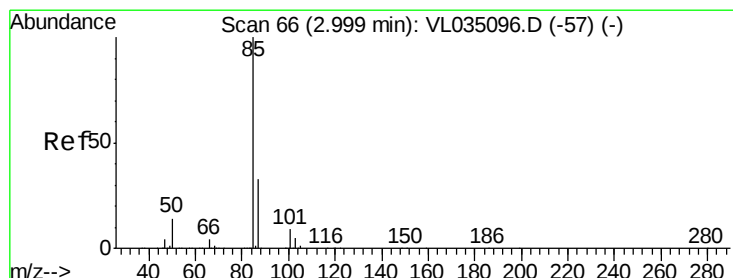
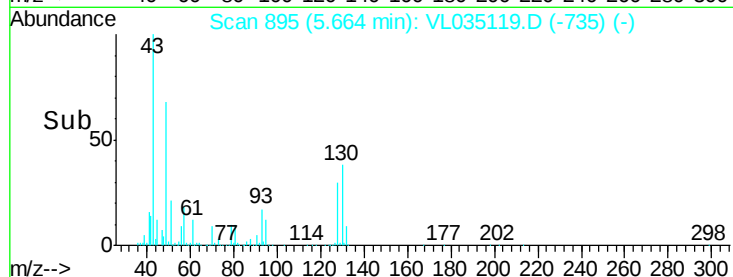
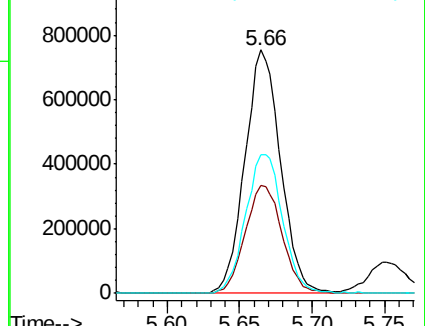
130 59.5 29.0 87.0



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: 9.616 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035119.D

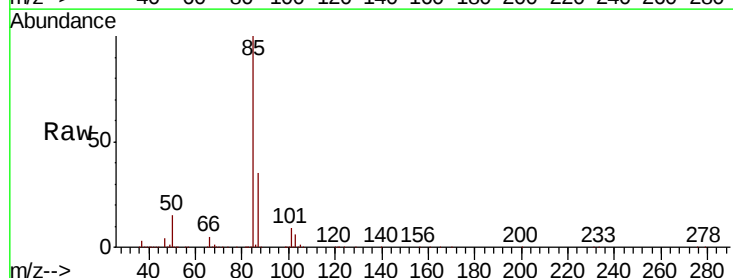
Acq: 22 Jun 2020 20:33

Tgt Ion: 85 Resp: 1678834

Ion	Ratio	Lower	Upper
85	100		
87	34.9	26.1	39.1

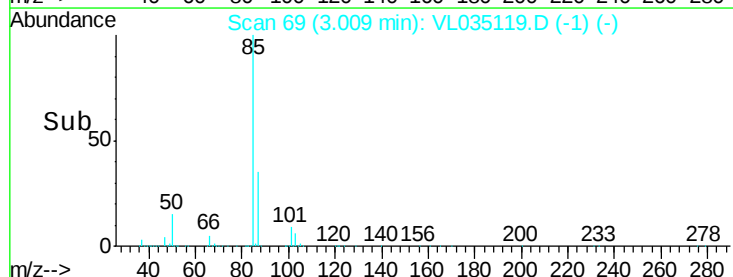
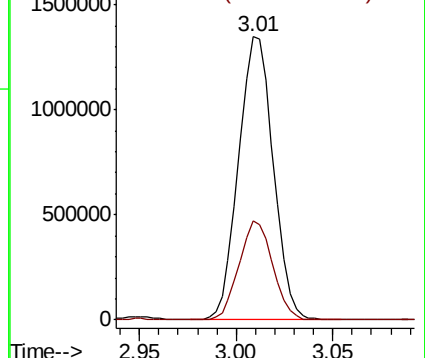
85 100

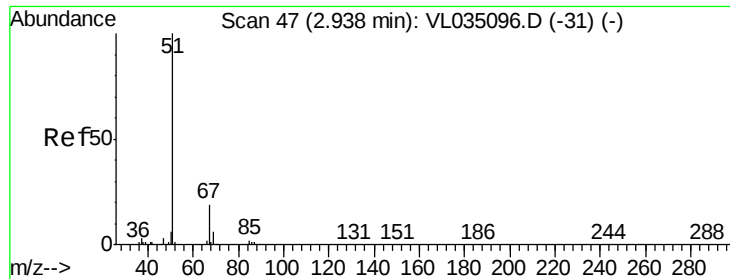
87 34.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.286 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

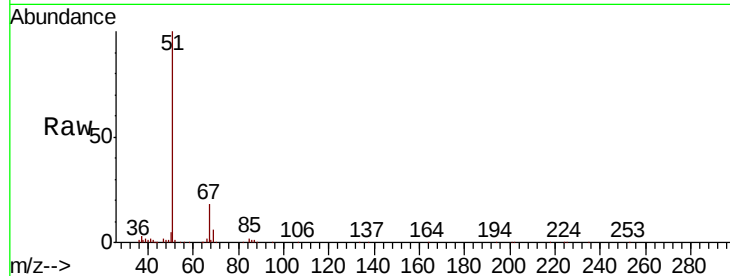
VSTDCCC010EC

Tot Ion: 51 Resp: 1326312

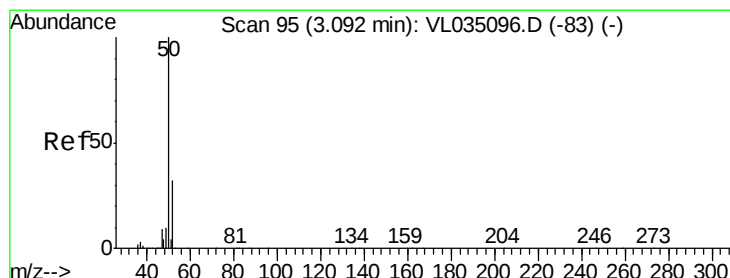
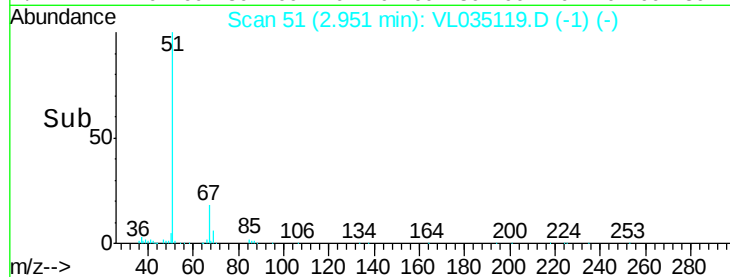
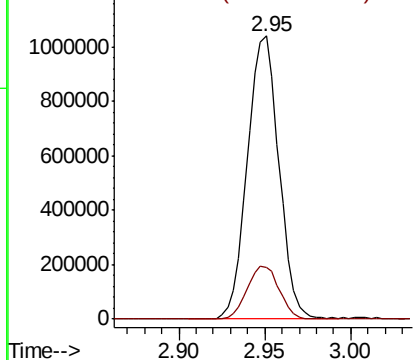
Ion Ratio Lower Upper

51 100

67 19.3 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.588 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.01 min

Lab File: VL035119.D

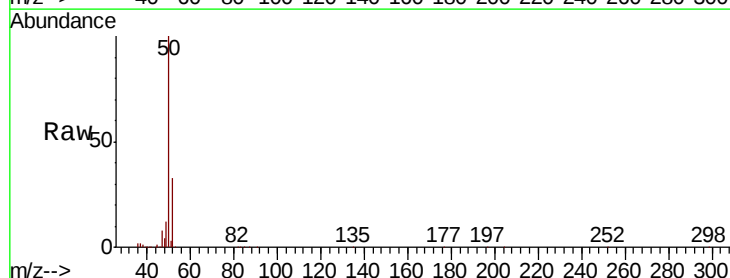
Acq: 22 Jun 2020 20:33

Tgt Ion: 50 Resp: 767618

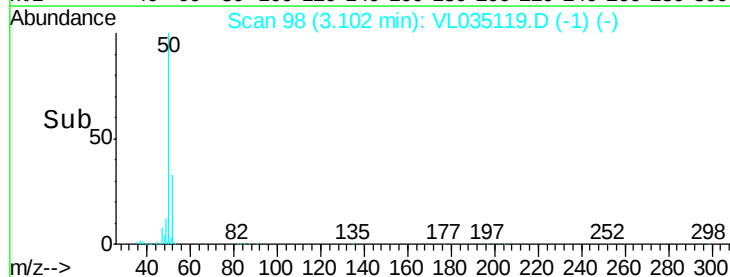
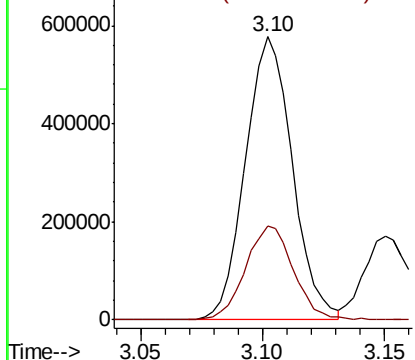
Ion Ratio Lower Upper

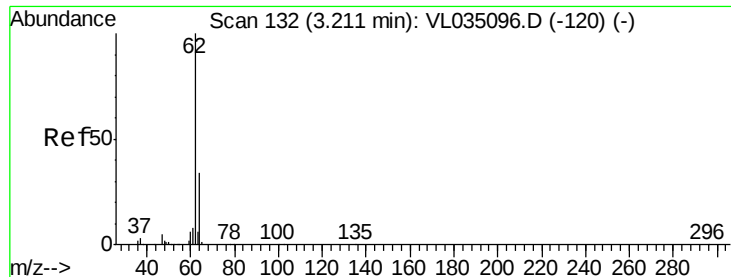
50 100

52 33.1 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.930 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

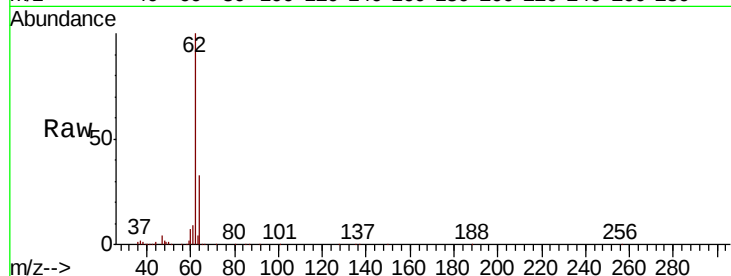
VSTDCCC010EC

Tot Ion: 62 Resp: 756074

Ion Ratio Lower Upper

62 100

64 33.3 27.0 40.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

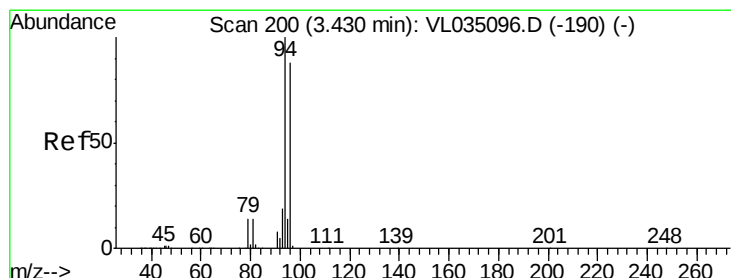
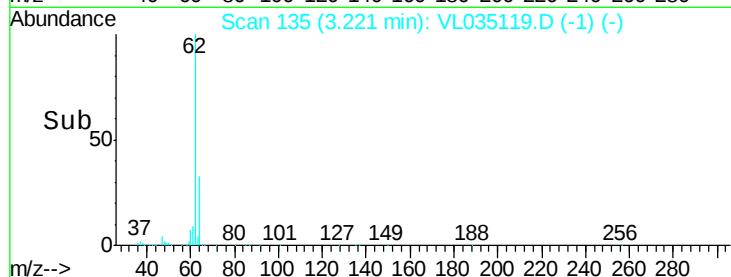
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.686 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035119.D

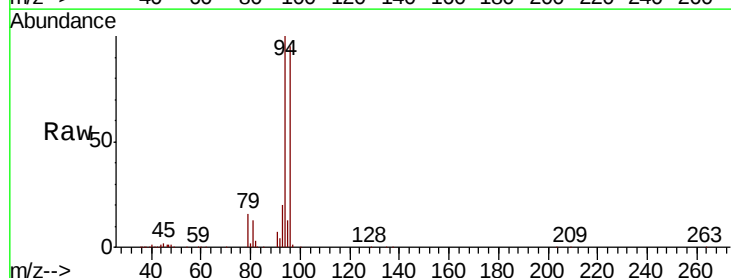
Acq: 22 Jun 2020 20:33

Tgt Ion: 94 Resp: 457948

Ion Ratio Lower Upper

94 100

96 95.3 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

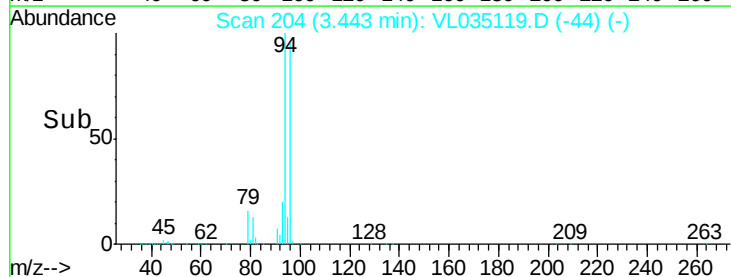
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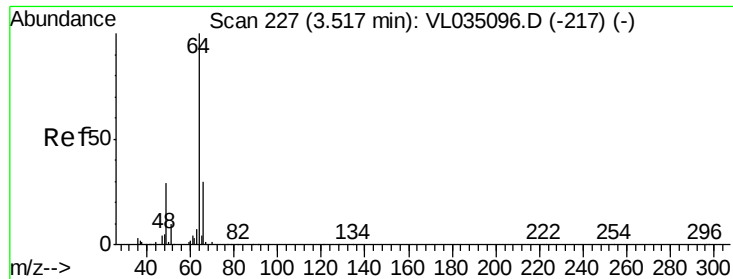
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.229 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

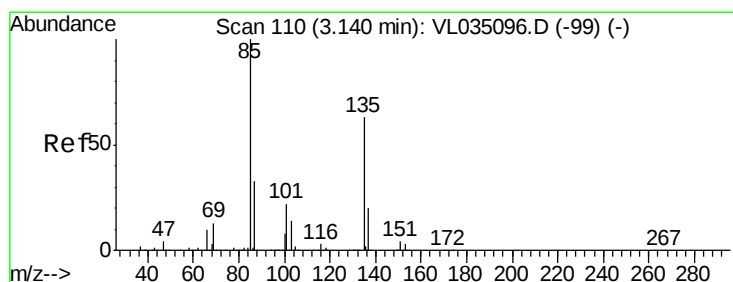
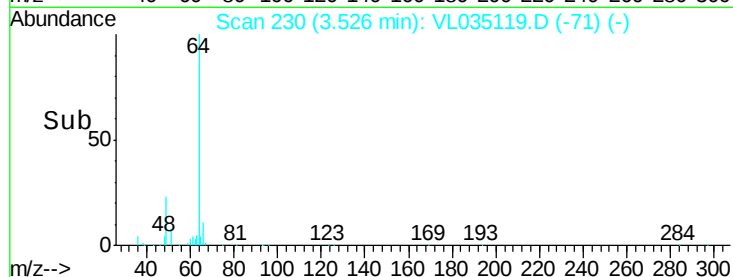
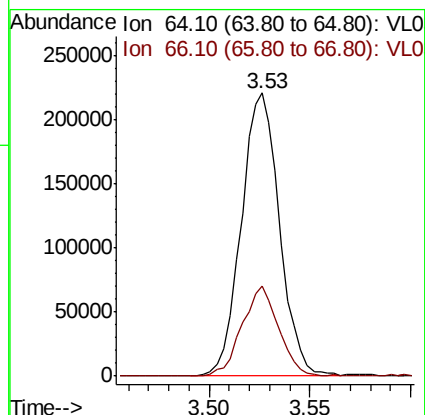
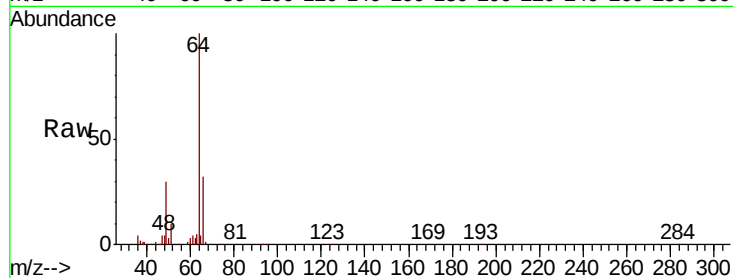
VSTDCCC010EC

Tot Ion: 64 Resp: 293690

Ion Ratio Lower Upper

64 100

66 31.7 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 9.251 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL035119.D

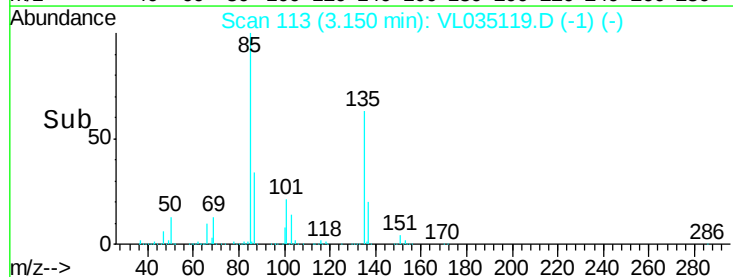
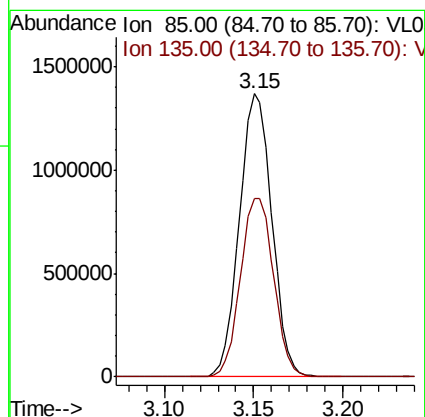
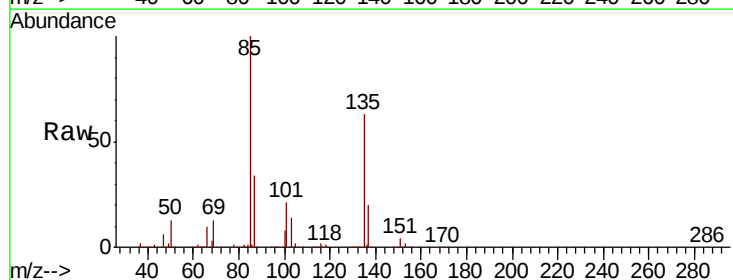
Acq: 22 Jun 2020 20:33

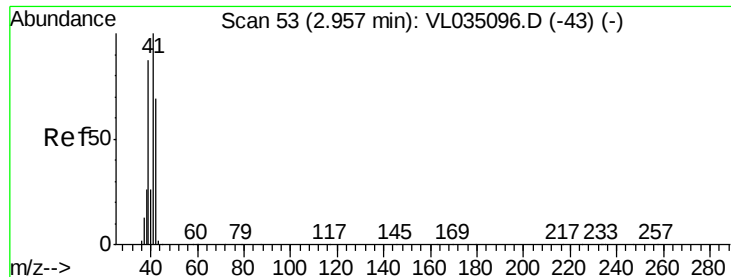
Tgt Ion: 85 Resp: 1731725

Ion Ratio Lower Upper

85 100

135 64.7 51.0 76.6





#9

Propene

Concen: 10.484 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

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ClientSampleId :

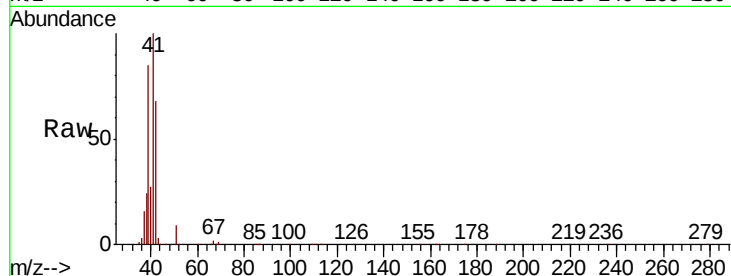
VSTDCCC010EC

Tot Ion: 41 Resp: 592947

Ion Ratio Lower Upper

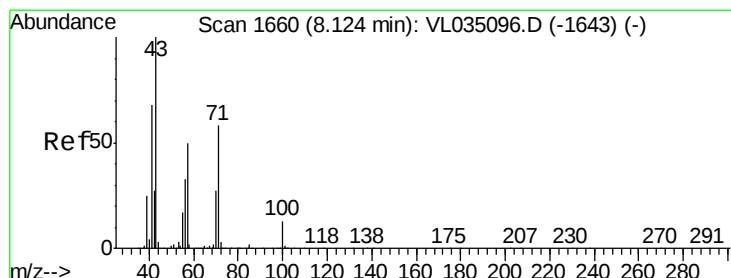
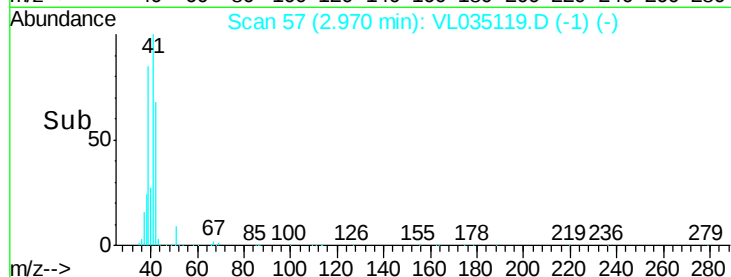
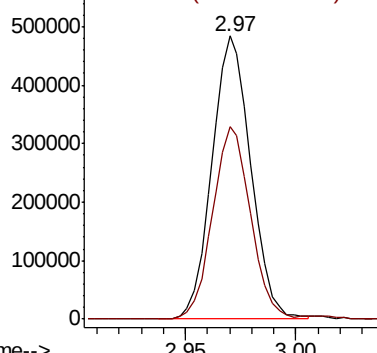
41 100

42 67.6 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.389 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.02 min

Lab File: VL035119.D

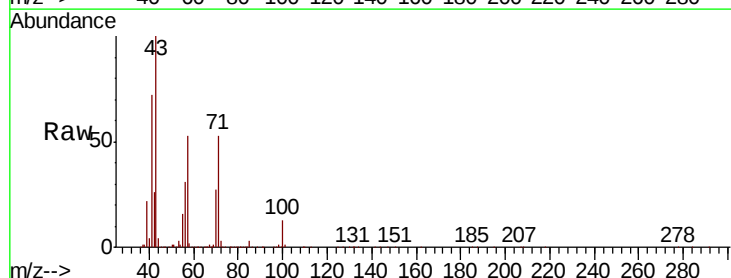
Acq: 22 Jun 2020 20:33

Tgt Ion: 43 Resp: 1522680

Ion Ratio Lower Upper

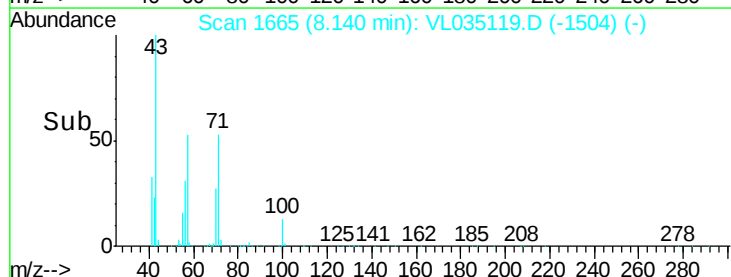
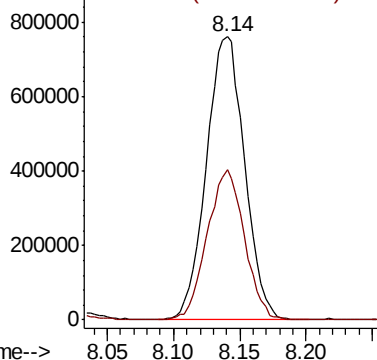
43 100

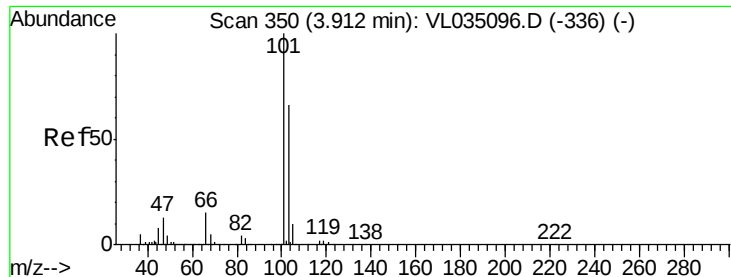
57 51.9 41.9 62.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

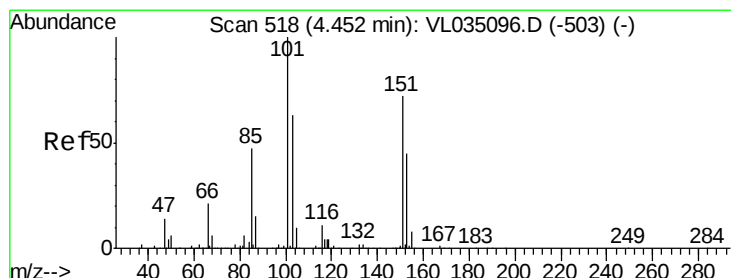
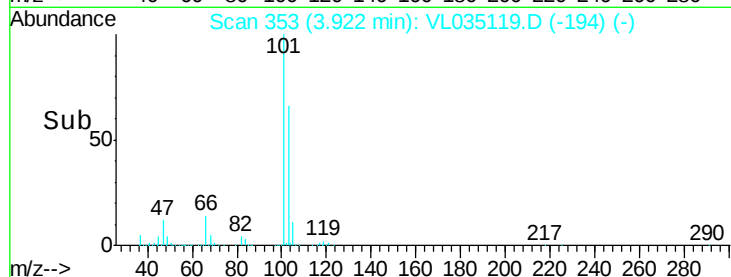
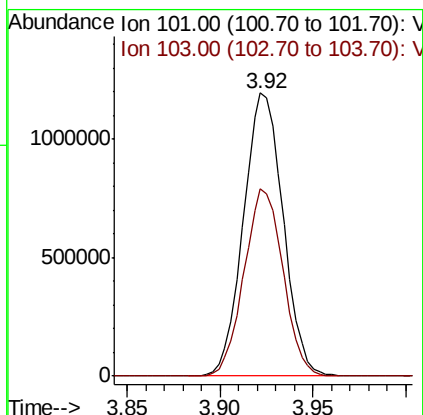
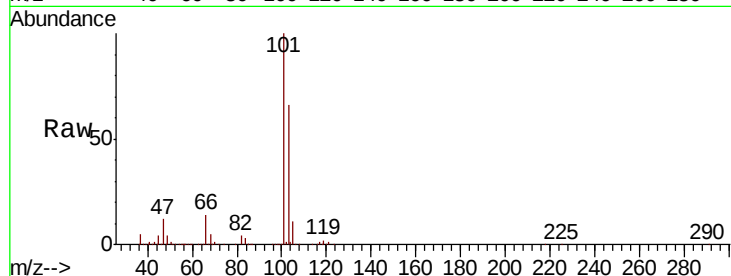




#11
 Trichlorofluoromethane
 Concen: 9.549 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

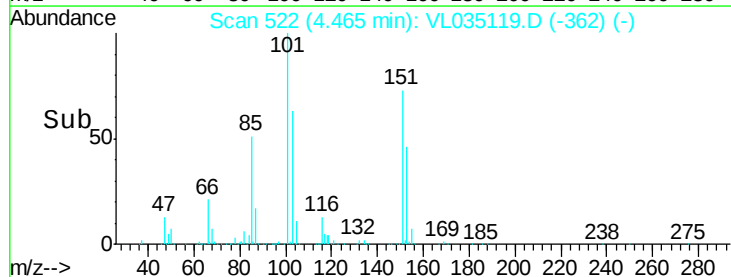
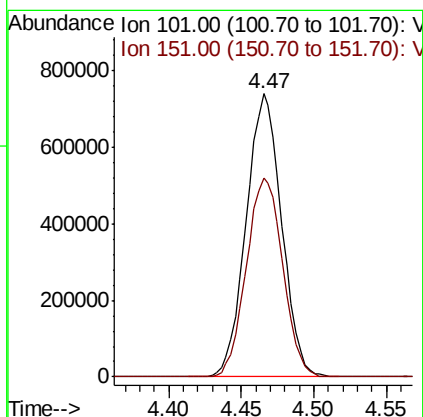
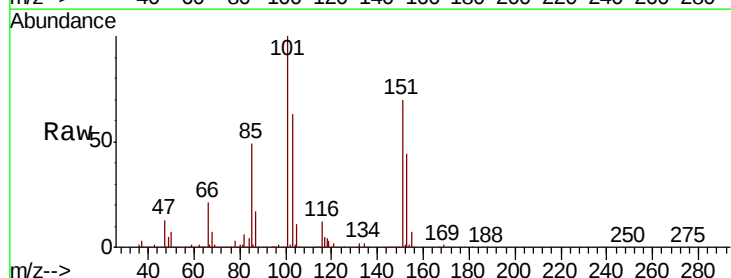
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

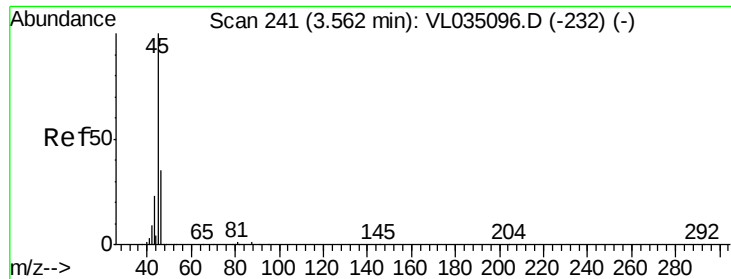
Tot Ion:101 Resp: 1780943
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.753 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion:101 Resp: 1257891
 Ion Ratio Lower Upper
 101 100
 151 72.5 56.6 85.0





#13

Ethanol

Concen: 7.059 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

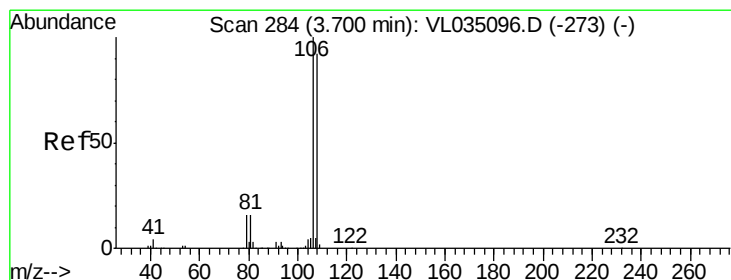
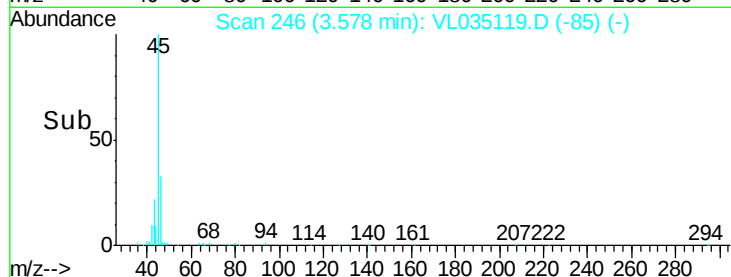
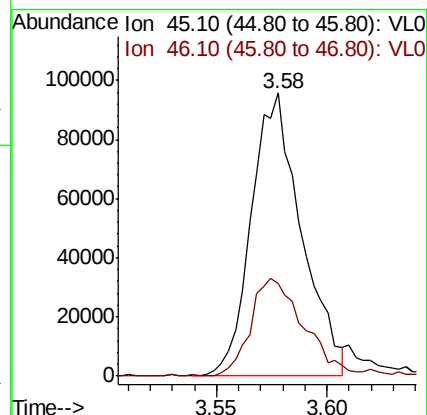
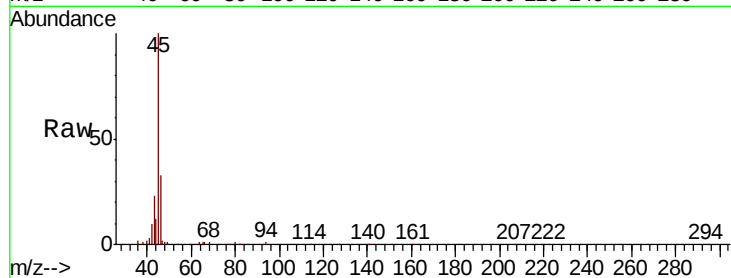
VSTDCCC010EC

Tot Ion: 45 Resp: 150821

Ion Ratio Lower Upper

45 100

46 38.6 14.2 57.0



#14

Bromoethene

Concen: 10.082 ppbv

RT: 3.71 min Scan# 287

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

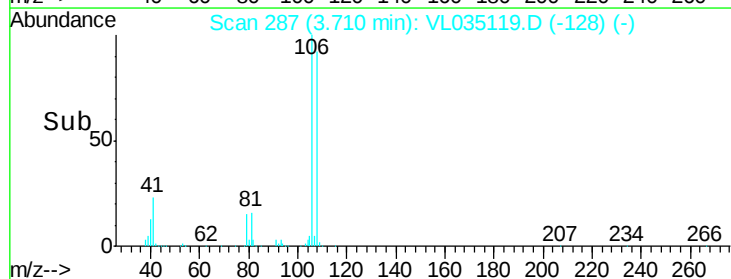
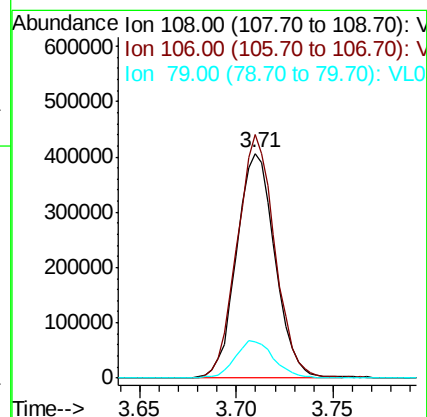
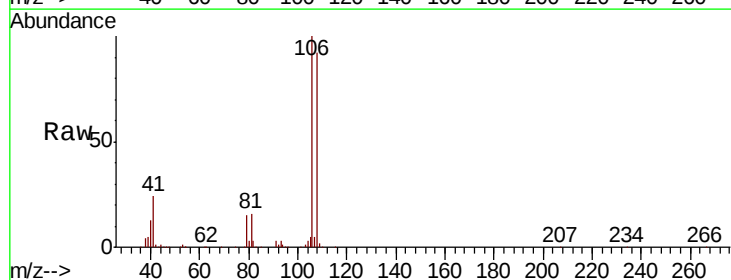
Tgt Ion: 108 Resp: 560501

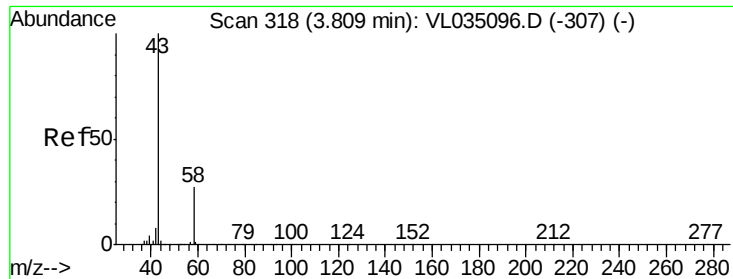
Ion Ratio Lower Upper

108 100

106 106.8 84.4 126.6

79 17.1 14.2 21.2

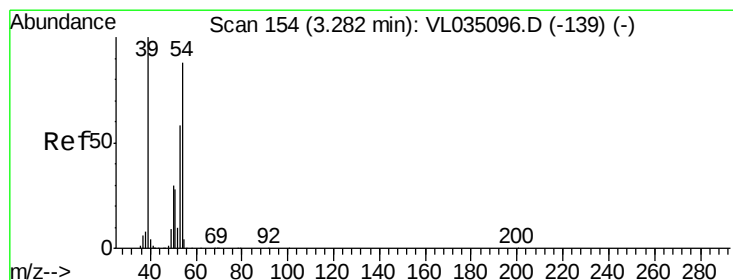
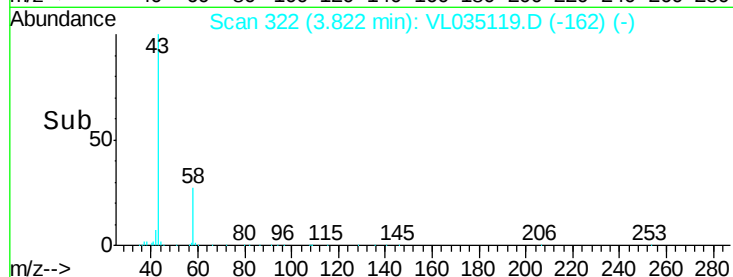
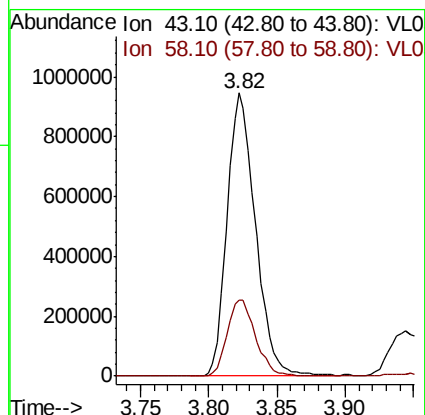
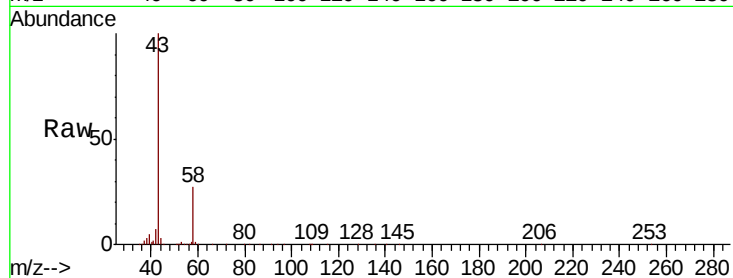




#15
Acetone
Concen: 8.753 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

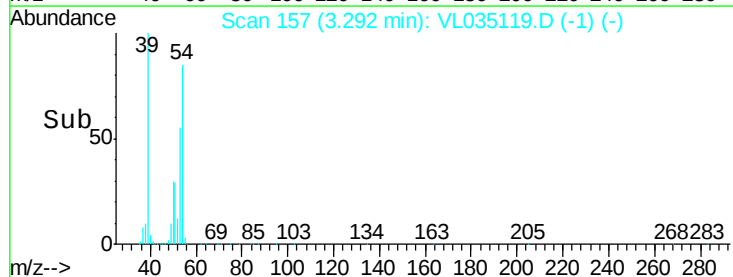
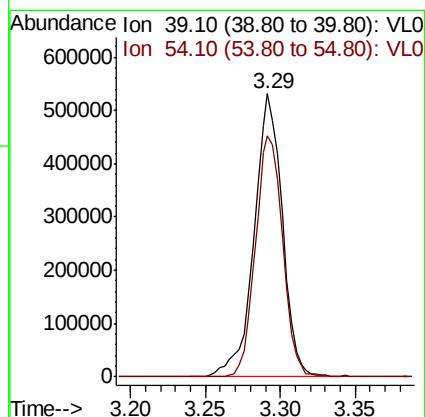
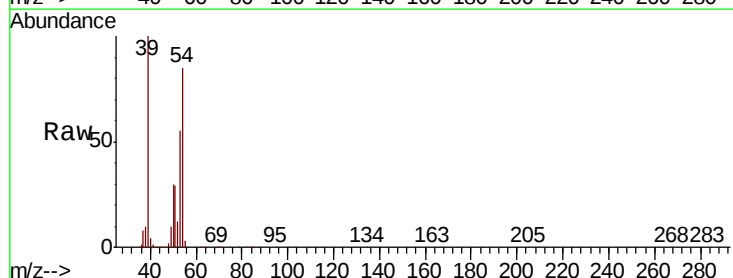
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

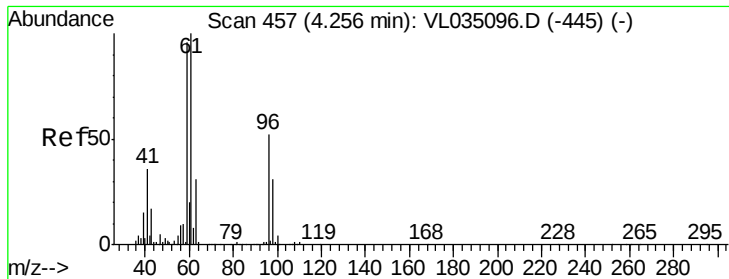
Tot Ion: 43 Resp: 1368186
Ion Ratio Lower Upper
43 100
58 27.0 21.8 32.6



#16
1,3-Butadiene
Concen: 10.113 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 39 Resp: 693304
Ion Ratio Lower Upper
39 100
54 82.9 67.0 100.4



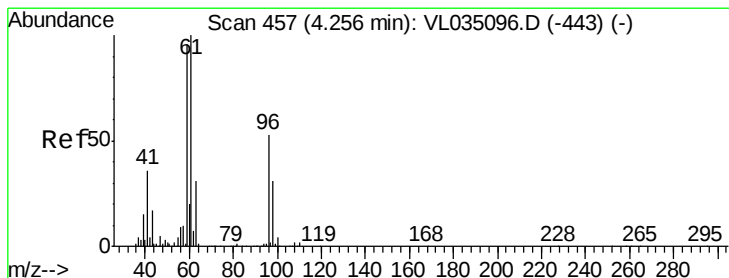
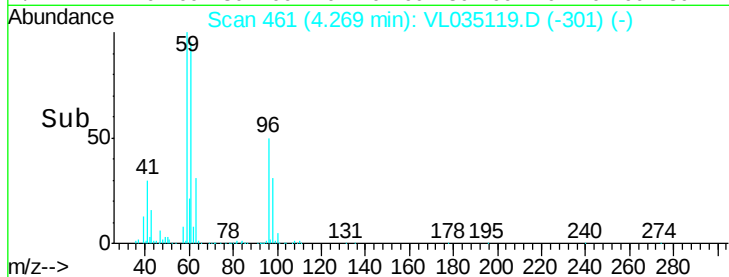
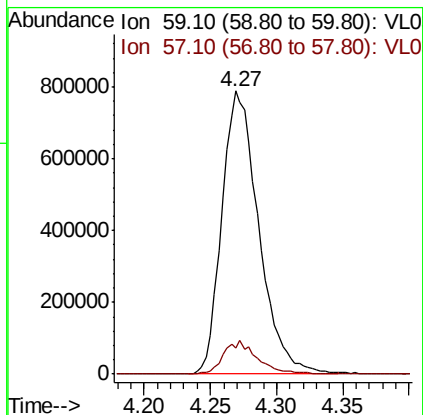
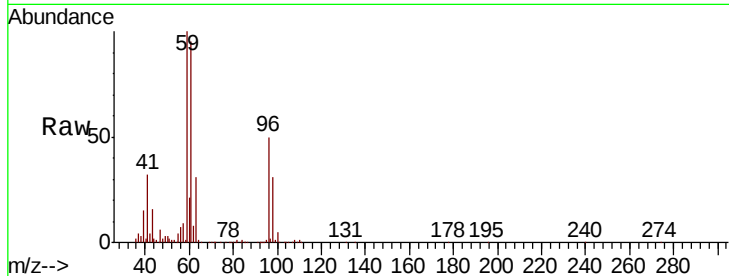


#17

tert-Butyl alcohol
 Concen: 10.982 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

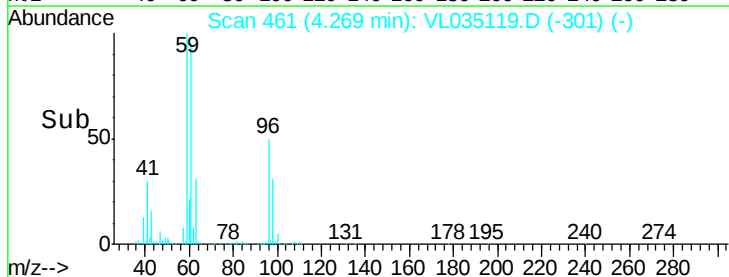
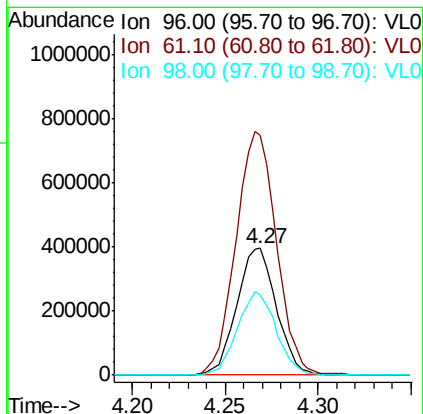
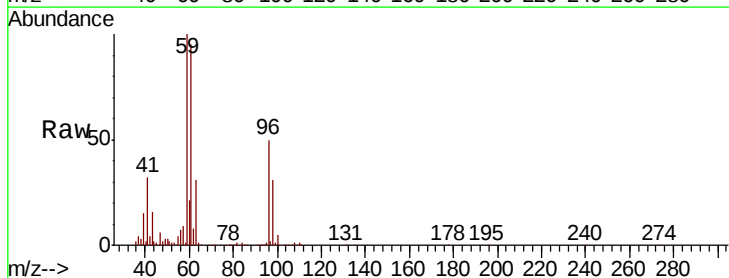
Tot Ion: 59 Resp: 1521414
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 12.8

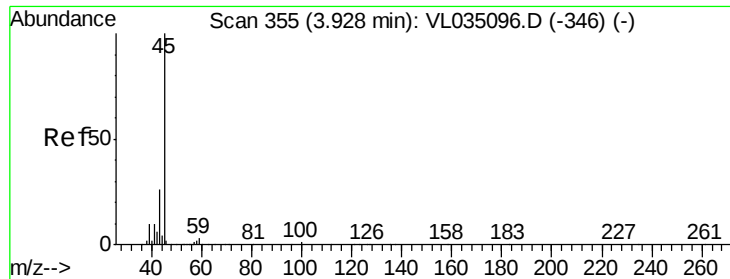


#18

1,1-Dichloroethene
 Concen: 10.113 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 96 Resp: 588257
 Ion Ratio Lower Upper
 96 100
 61 188.6 152.2 228.4
 98 62.7 47.7 71.5



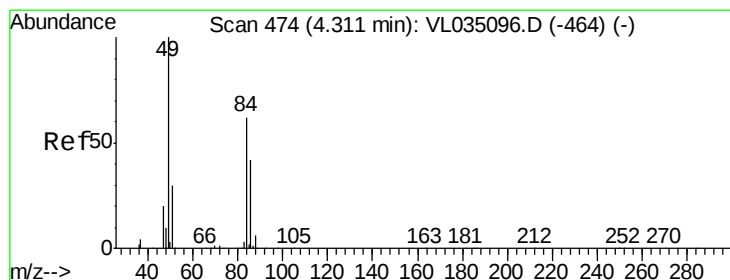
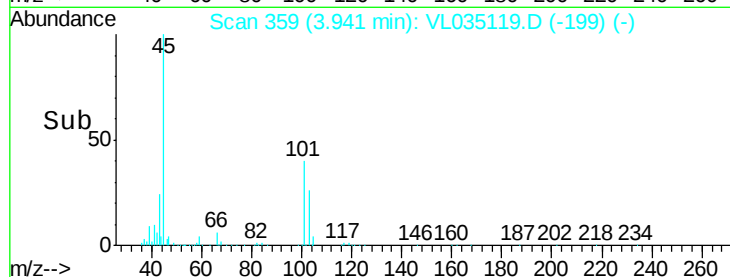
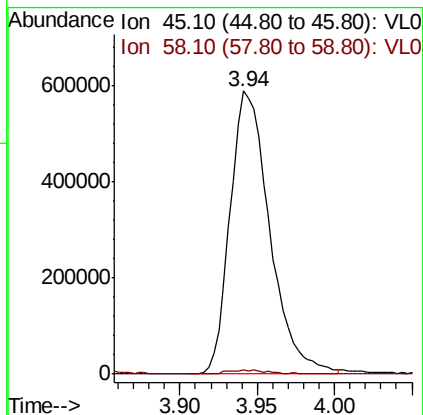
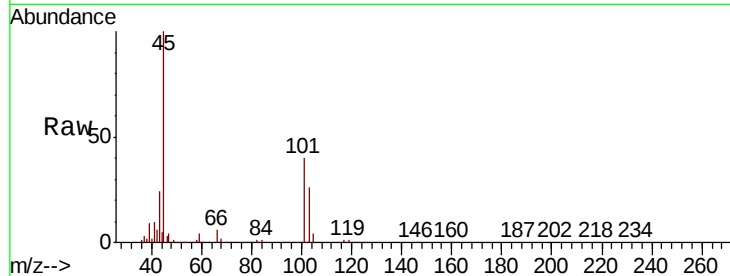


#19

Isopropyl Alcohol
 Concen: 10.290 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

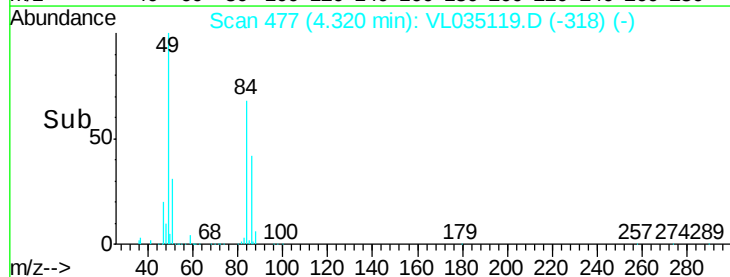
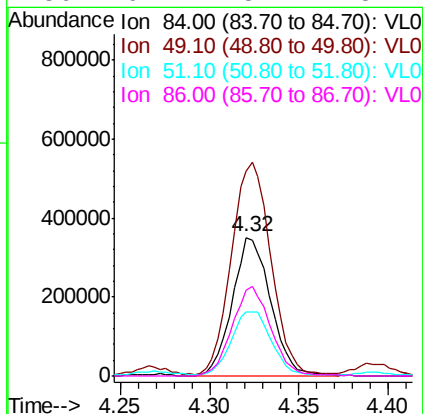
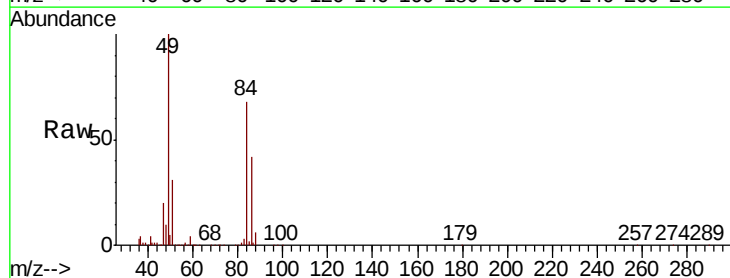
Tot Ion: 45 Resp: 1044395
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.8 2.8#

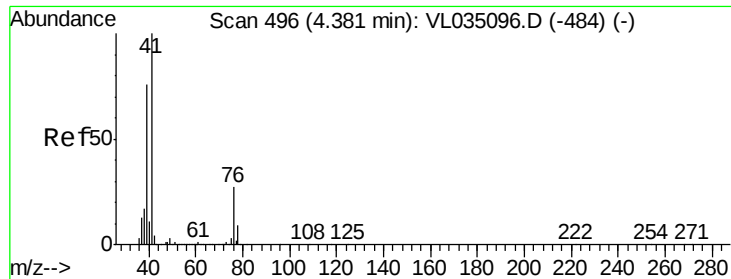


#20

Methylene Chloride
 Concen: 8.215 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 84 Resp: 519694
 Ion Ratio Lower Upper
 84 100
 49 146.7 128.8 193.2
 51 45.8 38.7 58.1
 86 61.7 54.1 81.1

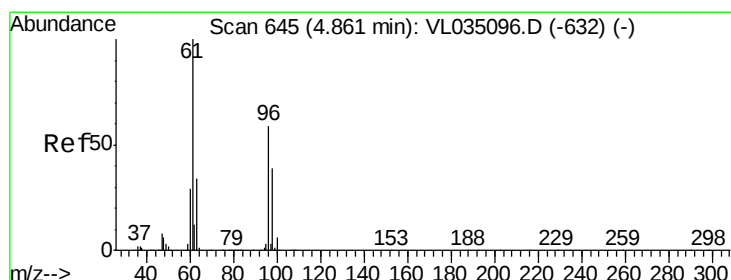
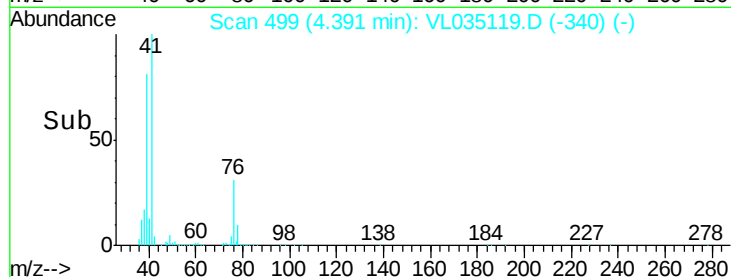
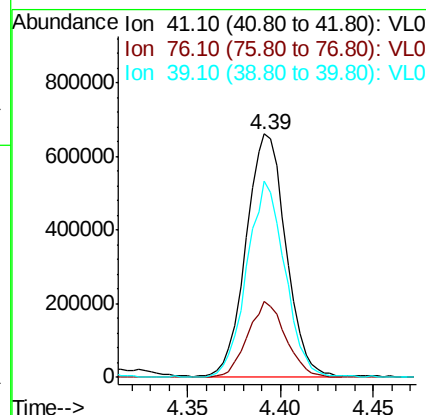
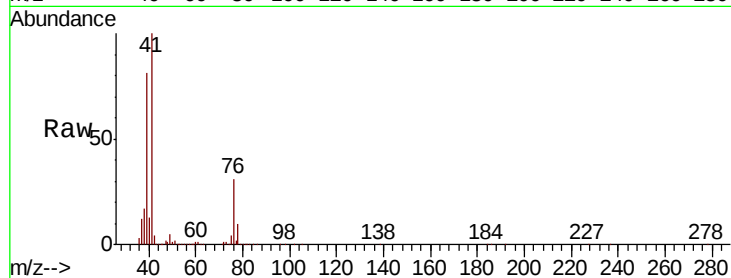




#21
Allvl Chloride
Concen: 10.574 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

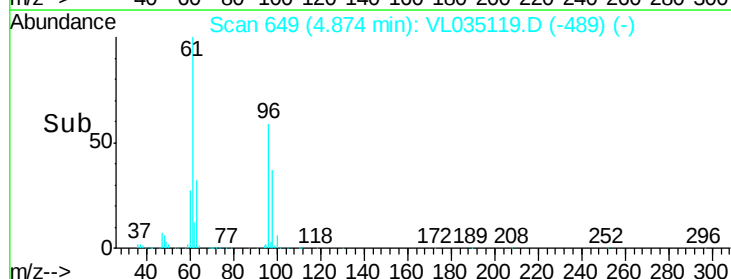
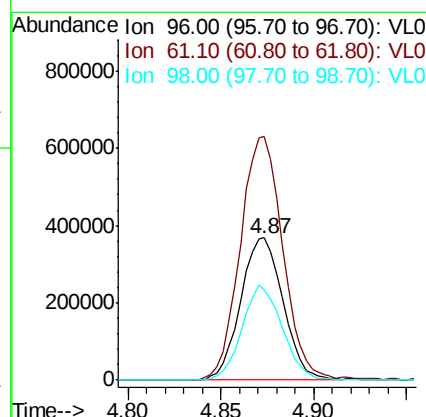
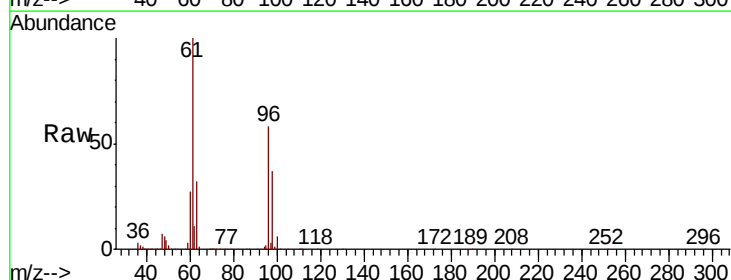
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

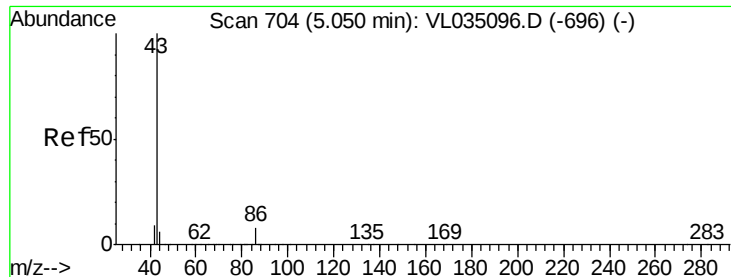
Tot Ion: 41 Resp: 982304
Ion Ratio Lower Upper
41 100
76 30.0 22.6 34.0
39 77.9 61.6 92.4



#22
trans-1,2-Dichloroethene
Concen: 10.736 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 96 Resp: 584272
Ion Ratio Lower Upper
96 100
61 171.0 134.5 201.7
98 63.1 52.6 79.0

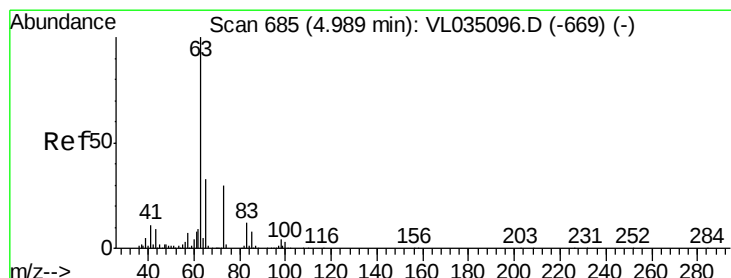
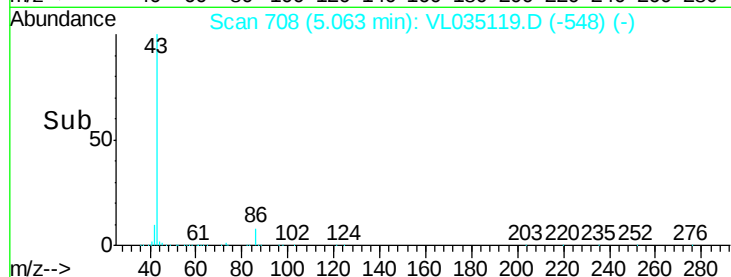
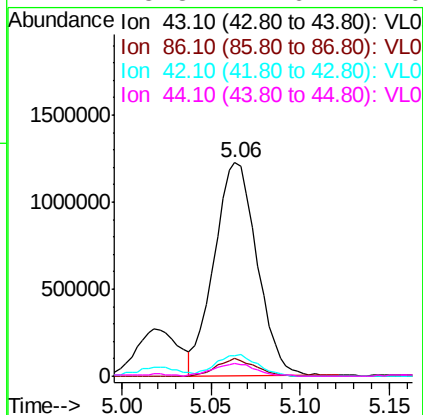
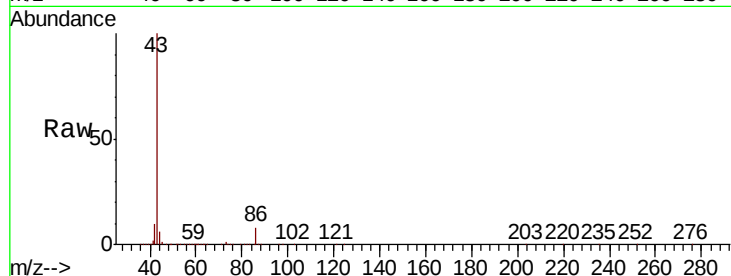




#23
 Vinyl Acetate
 Concen: 10.734 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

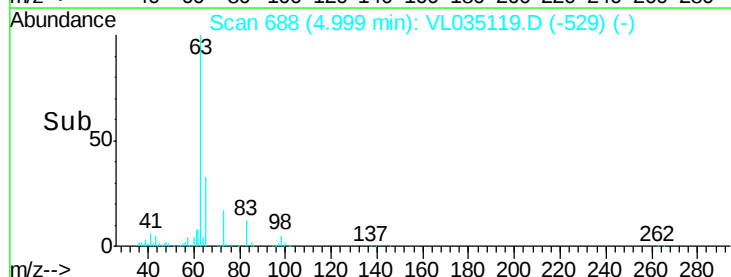
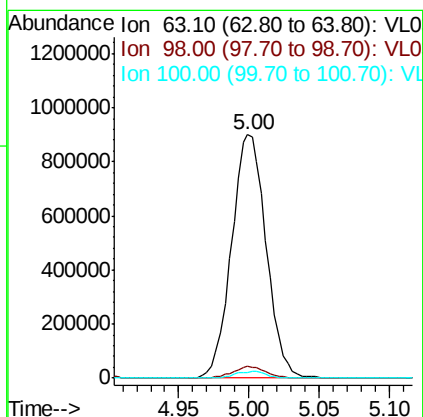
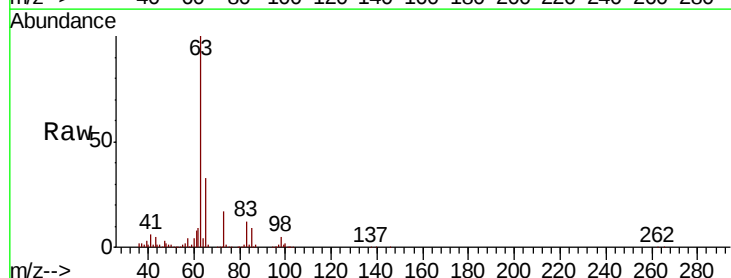
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

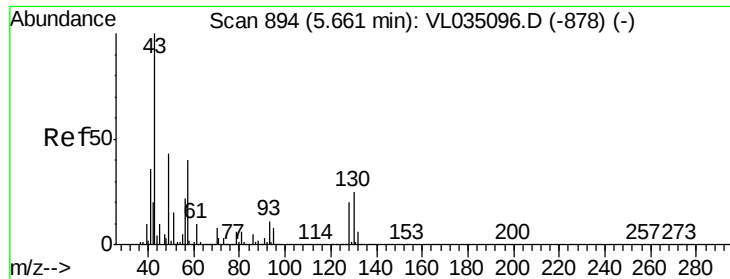
Tot Ion:	43	Resp:	2036758
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	9.6	8.1	12.1
44	5.8	4.6	7.0



#24
 1,1-Dichloroethane
 Concen: 9.624 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion:	63	Resp:	1539466
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.3	6.9
100	2.4	1.4	4.0



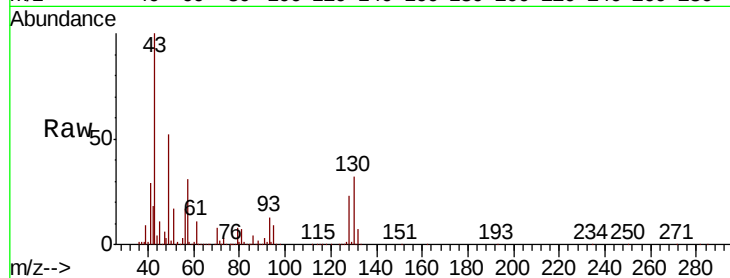


#25
Ethyl Acetate
Concen: 9.408 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2653994

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	10.0	8.0	12.0
70	7.5	6.3	9.5



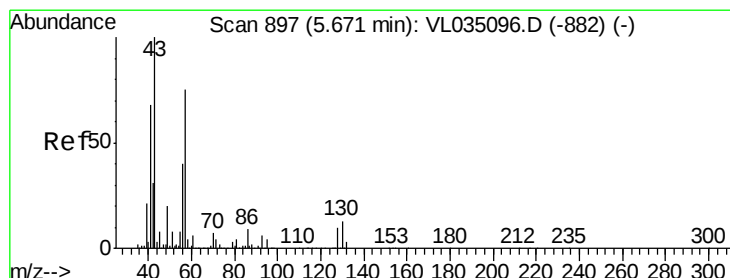
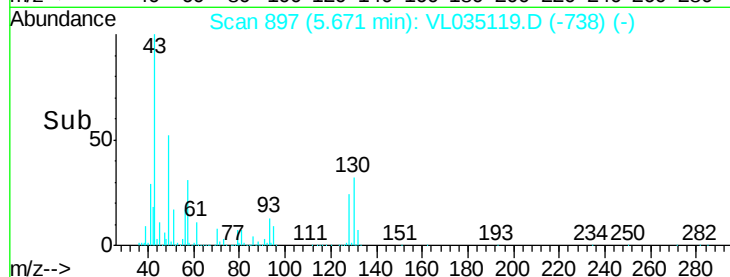
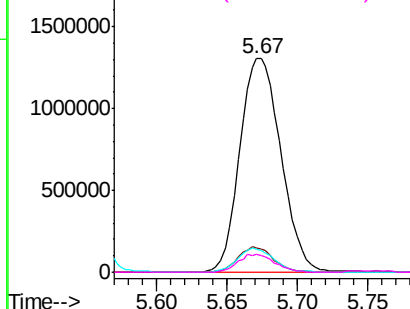
Abundance

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: 9.404 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 57 Resp: 1196113

Ion	Ratio	Lower	Upper
57	100		
41	89.9	72.9	109.3
43	223.0	181.3	271.9
56	52.7	43.1	64.7

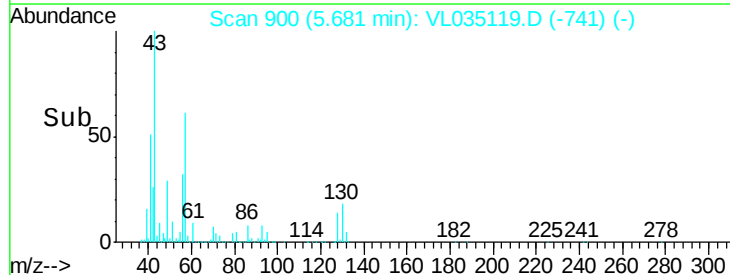
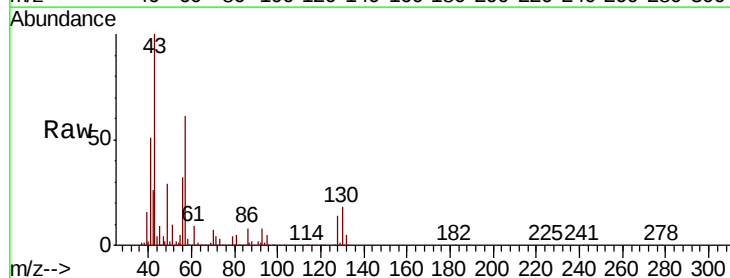
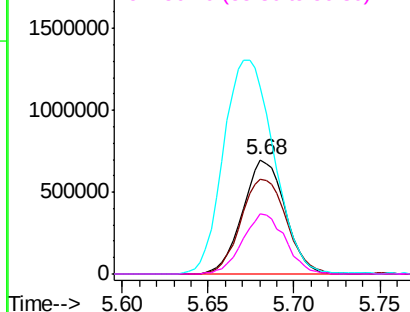
Abundance

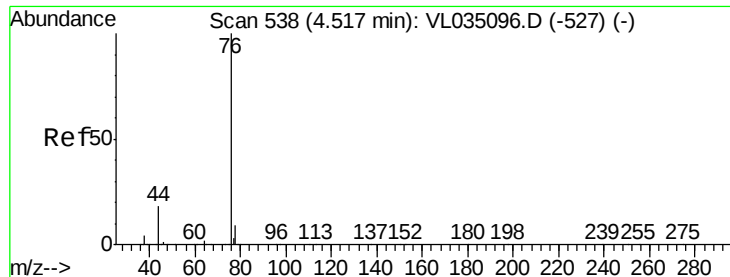
Ion 57.10 (56.80 to 57.80): VL0

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: 11.893 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

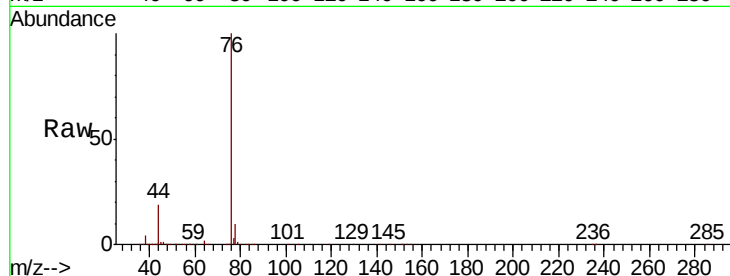
Tot Ion: 76 Resp: 1565400

Ion Ratio Lower Upper

76 100

44 18.6 15.8 23.8

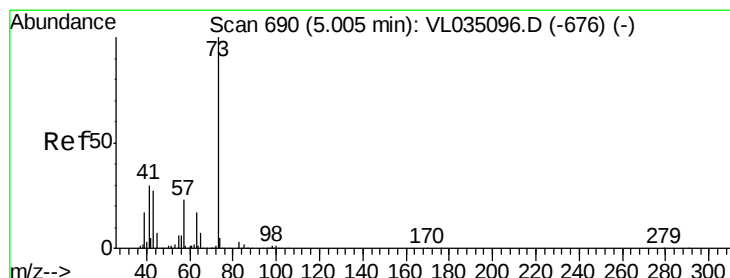
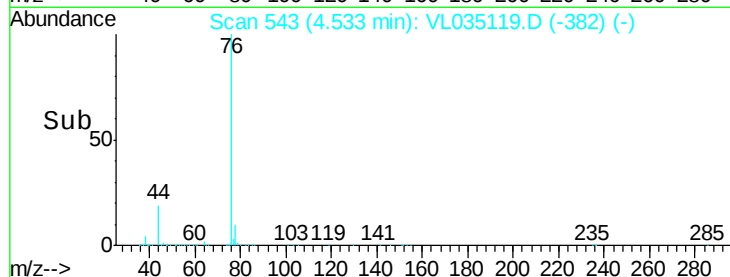
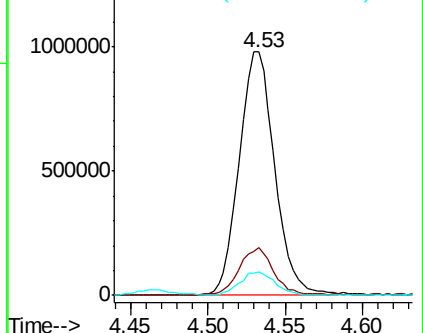
78 9.4 7.6 11.4



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: 10.406 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL035119.D

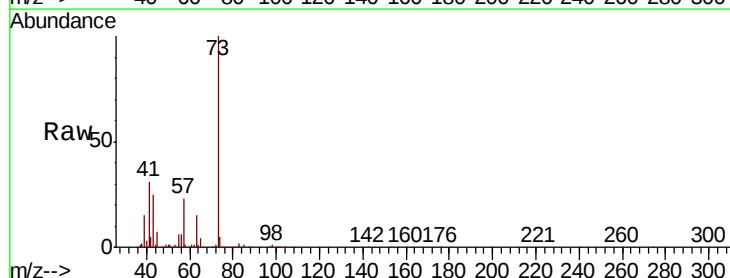
Acq: 22 Jun 2020 20:33

Tgt Ion: 73 Resp: 1859599

Ion Ratio Lower Upper

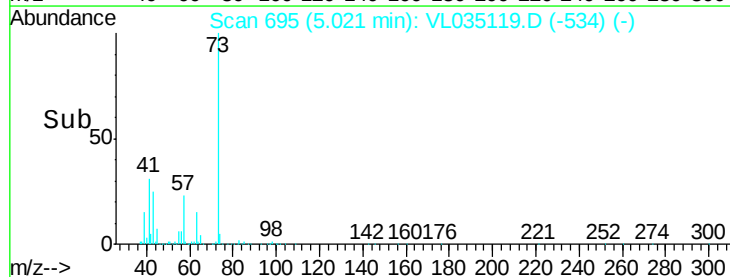
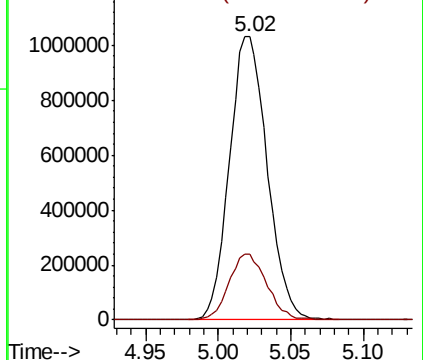
73 100

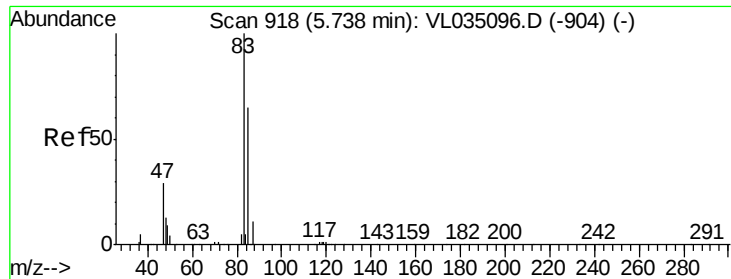
57 23.3 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.188 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

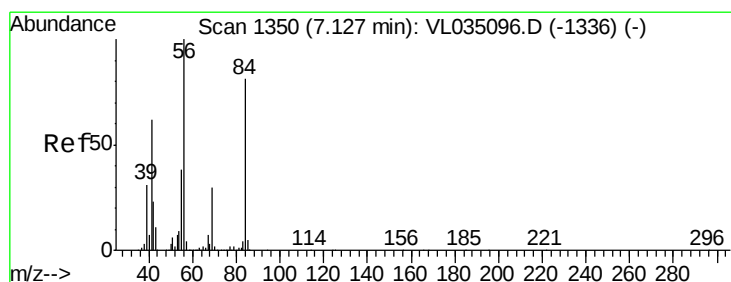
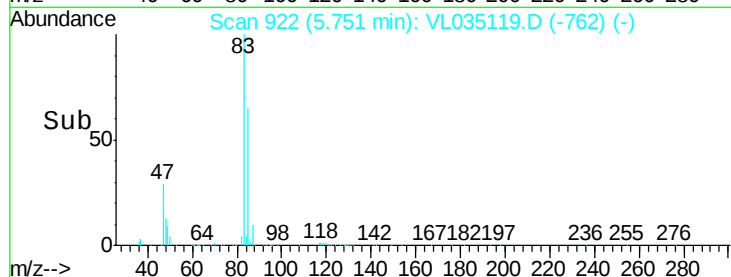
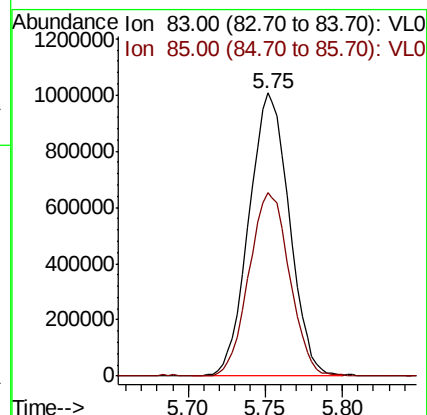
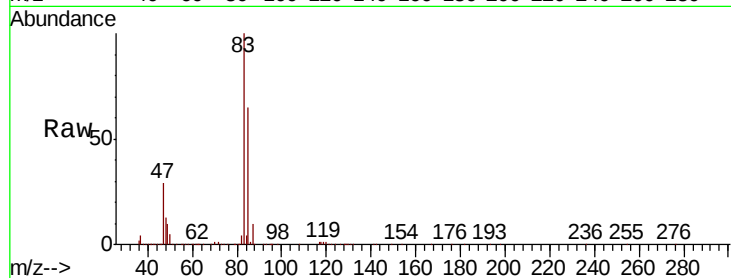
VSTDCCC010EC

Tot Ion: 83 Resp: 1828845

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1



#30

Cyclohexane

Concen: 10.808 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

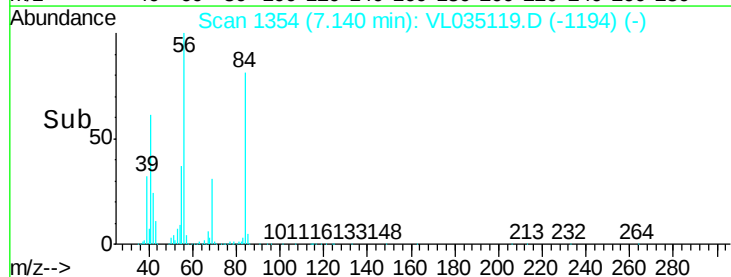
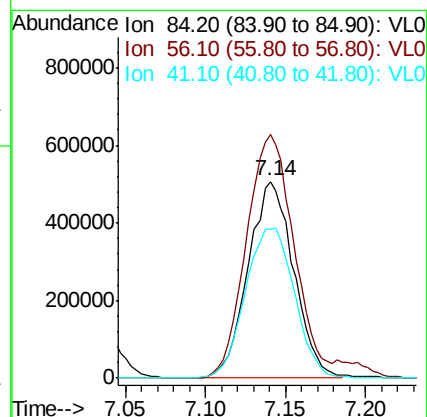
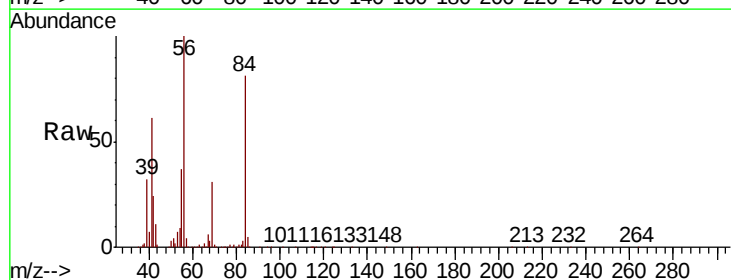
Tgt Ion: 84 Resp: 986621

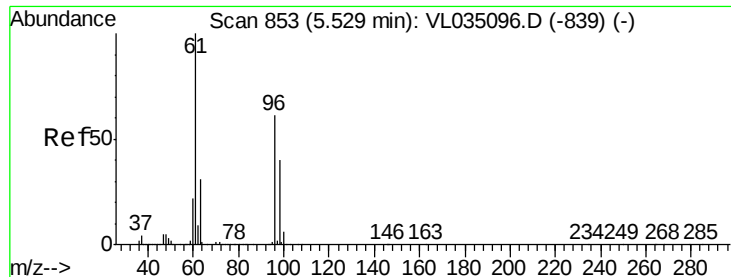
Ion Ratio Lower Upper

84 100

56 135.9 108.0 162.0

41 82.4 65.6 98.4



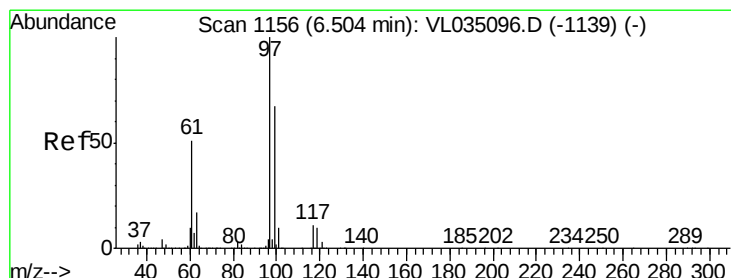
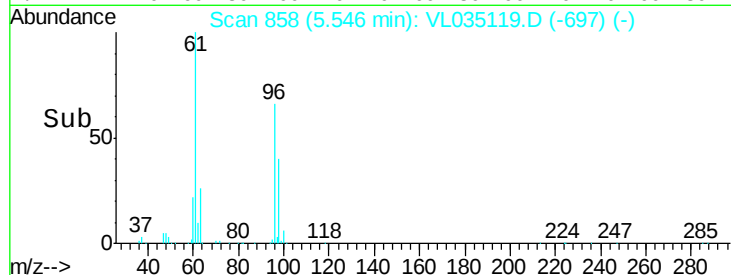
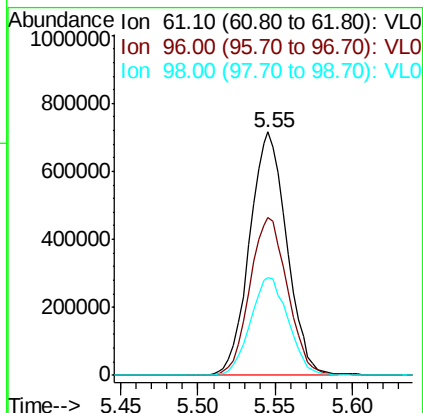
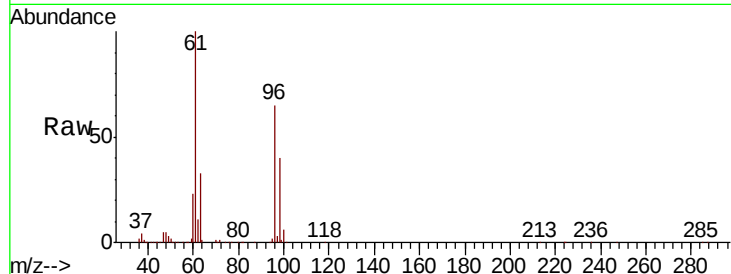


#31

cis-1,2-Dichloroethene
 Concen: 10.230 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

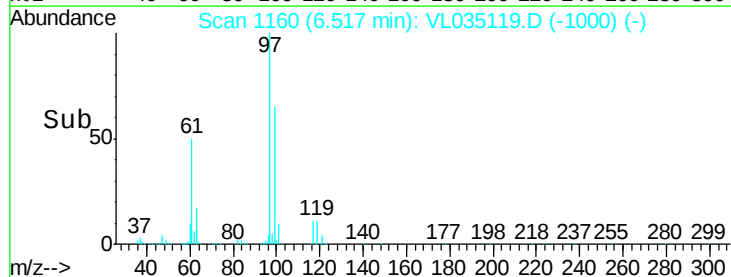
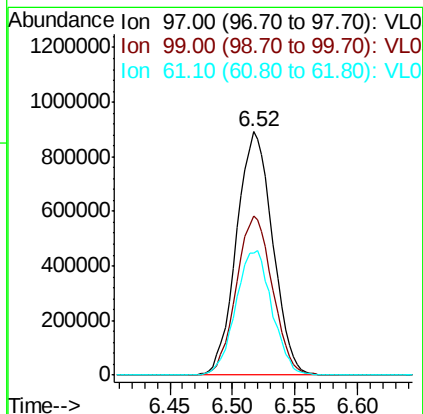
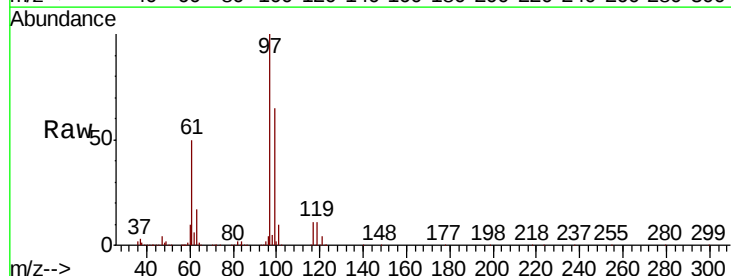
Tot Ion: 61 Resp: 1199472
 Ion Ratio Lower Upper
 61 100
 96 65.0 48.8 73.2
 98 40.0 31.9 47.9

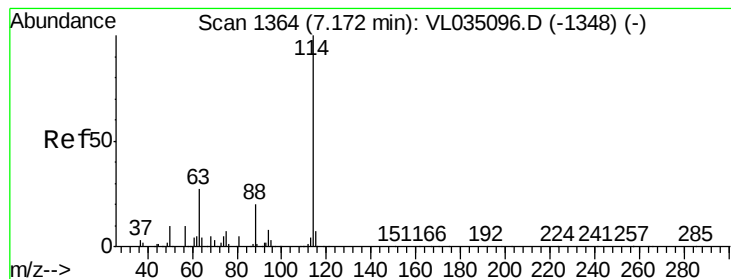


#32

1,1,1-Trichloroethane
 Concen: 9.701 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 97 Resp: 1790800
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.0 78.0
 61 51.6 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

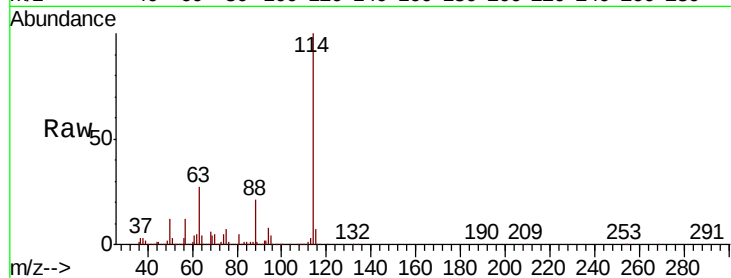
Tot Ion:114 Resp: 3064939

Ion Ratio Lower Upper

114 100

63 27.4 21.9 32.9

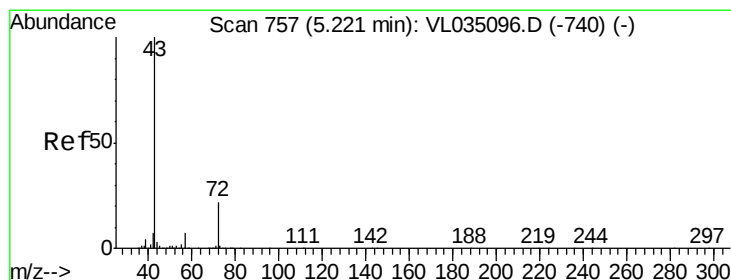
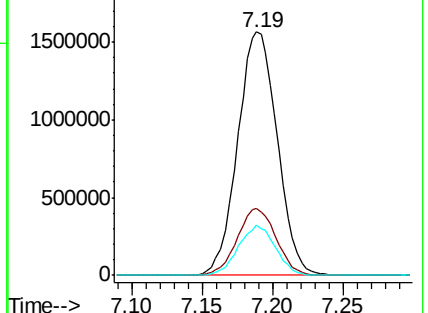
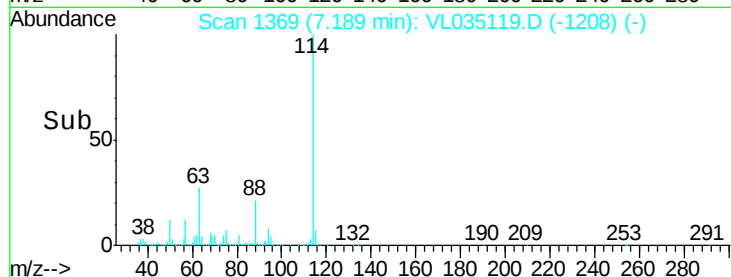
88 19.4 15.6 23.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.715 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.02 min

Lab File: VL035119.D

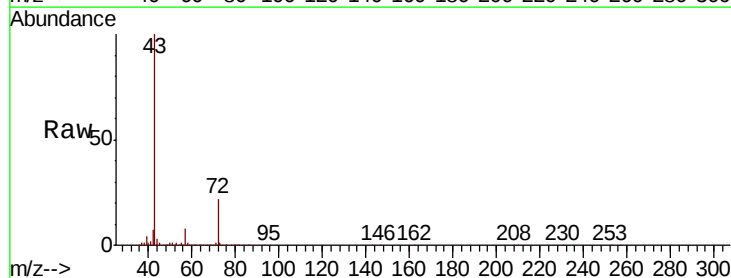
Acq: 22 Jun 2020 20:33

Tgt Ion: 43 Resp: 1709952

Ion Ratio Lower Upper

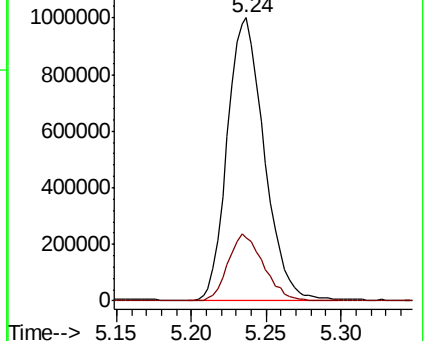
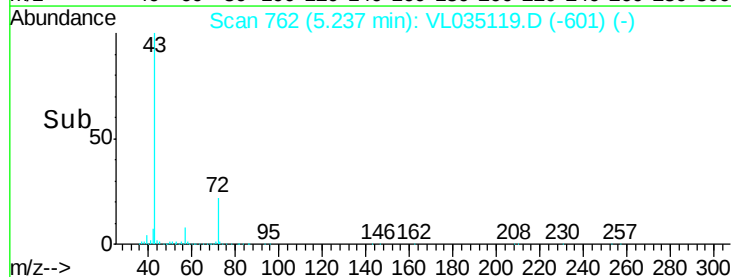
43 100

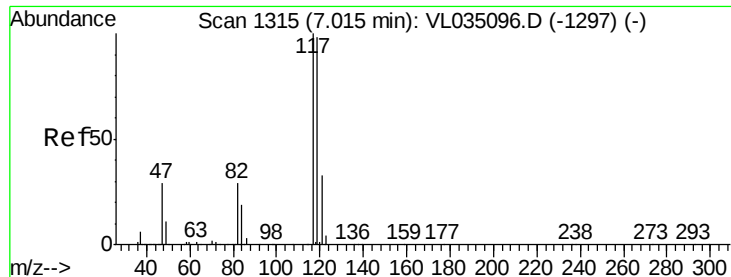
72 22.7 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

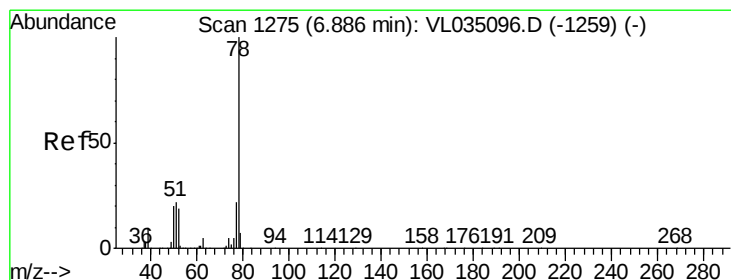
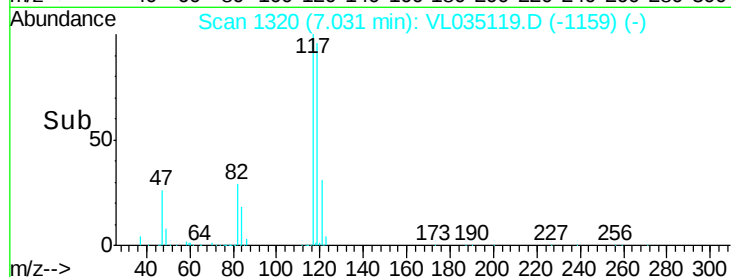
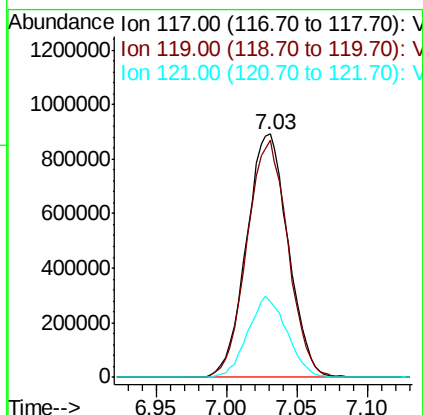
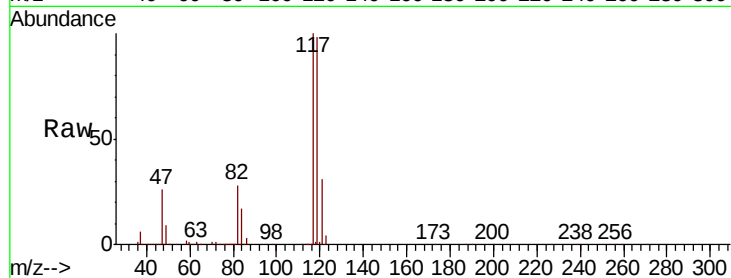




#35
Carbon Tetrachloride
Concen: 10.014 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

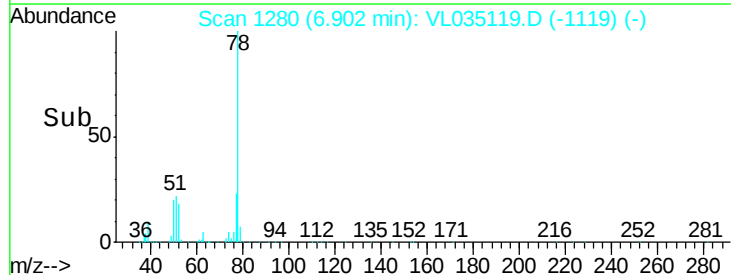
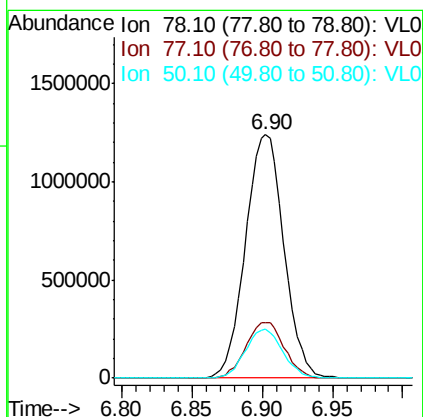
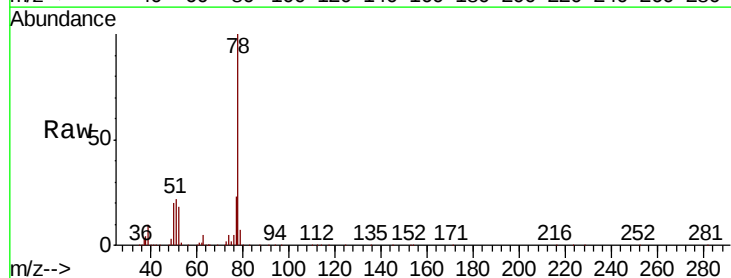
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

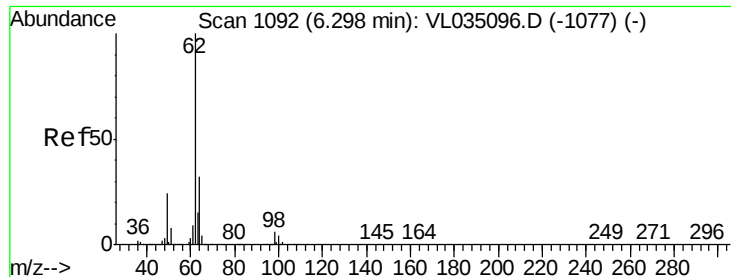
Tot Ion:117 Resp: 1840760
Ion Ratio Lower Upper
117 100
119 97.5 78.3 117.5
121 31.4 26.0 39.0



#36
Benzene
Concen: 9.965 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 78 Resp: 2365133
Ion Ratio Lower Upper
78 100
77 22.7 17.8 26.6
50 20.3 16.2 24.2

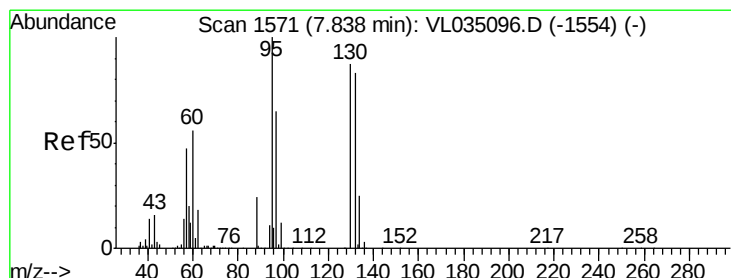
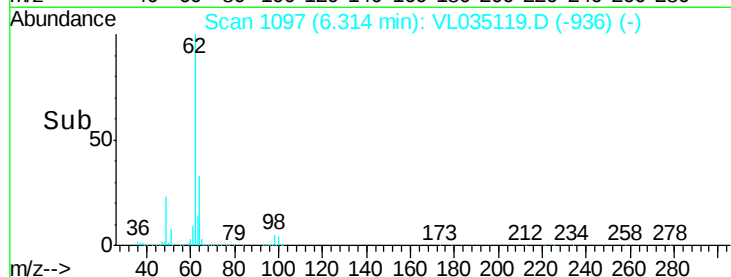
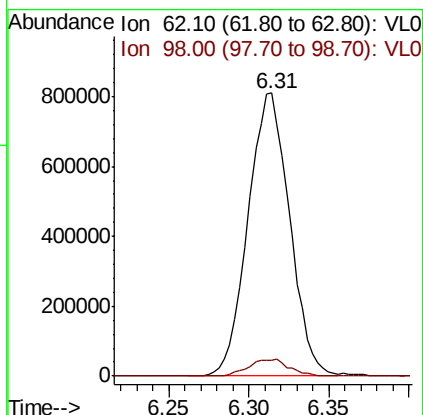
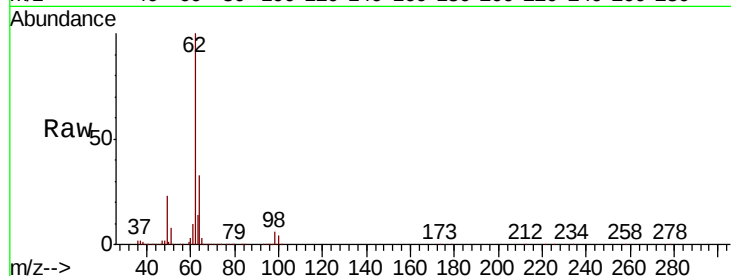




#37
 1,2-Dichloroethane
 Concen: 9.618 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

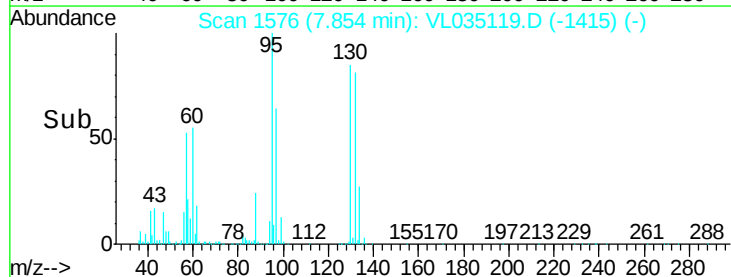
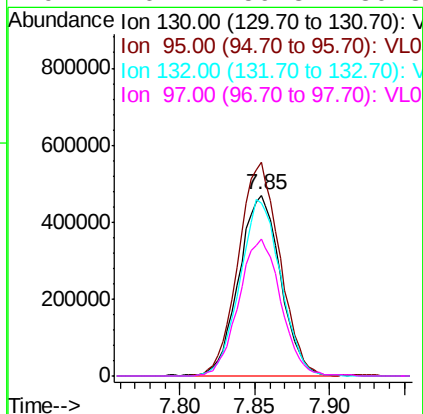
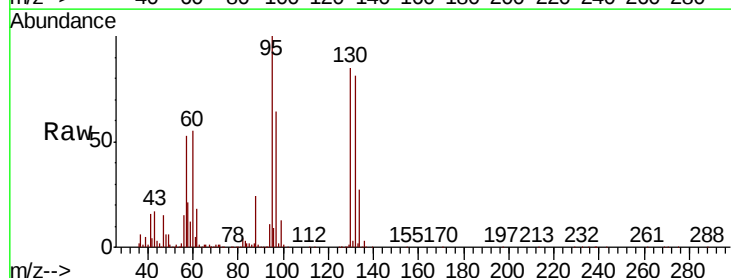
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

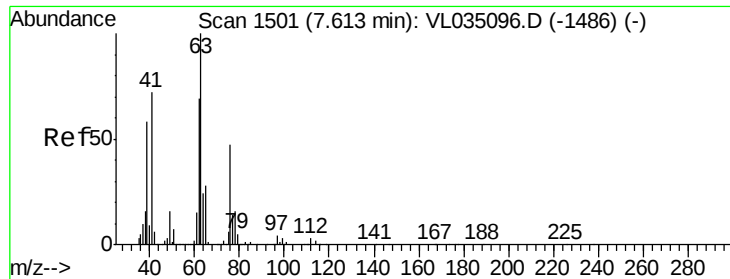
Tot Ion: 62 Resp: 1442631
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2



#38
 Trichloroethene
 Concen: 9.794 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 130 Resp: 902842
 Ion Ratio Lower Upper
 130 100
 95 118.3 91.4 137.2
 132 95.7 75.8 113.6
 97 76.2 59.8 89.8





#39

1,2-Dichloropropane

Concen: 9.881 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

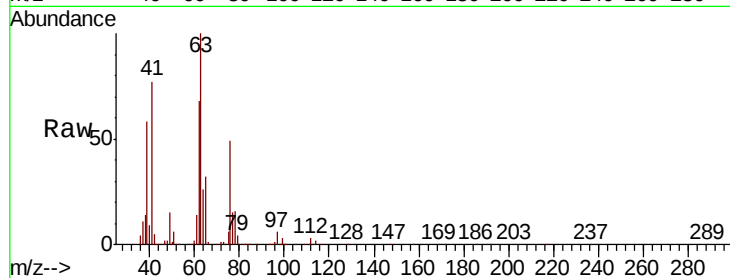
Tot Ion: 63 Resp: 917163

Ion Ratio Lower Upper

63 100

41 77.2 58.0 87.0

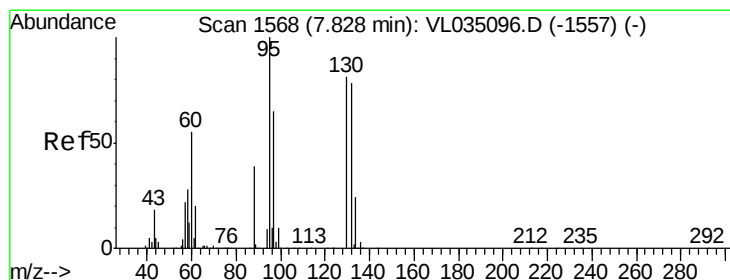
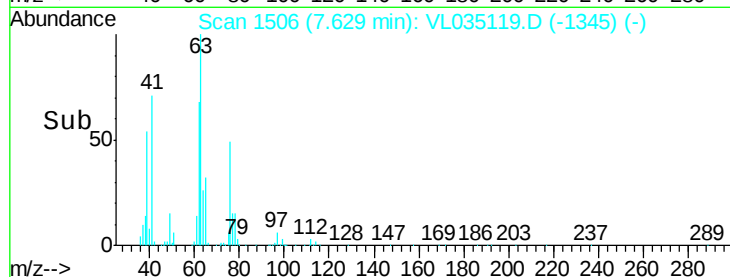
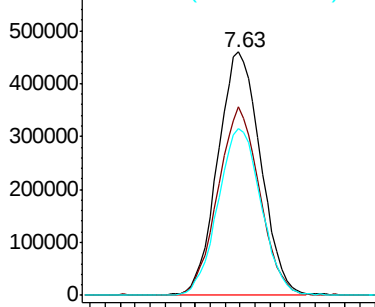
62 68.3 55.4 83.0



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: 9.796 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Tgt Ion: 88 Resp: 358676

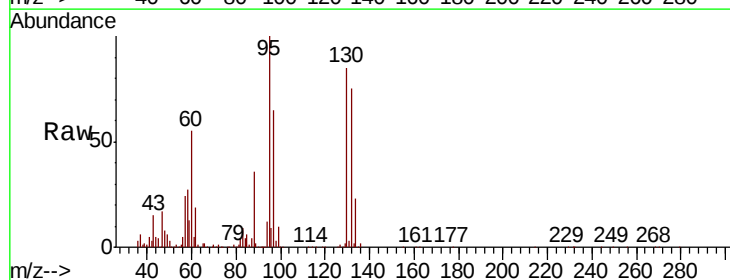
Ion Ratio Lower Upper

88 100

58 131.6 110.2 165.4

43 255.8 0.0 0.0#

57 1122.7 0.0 0.0#

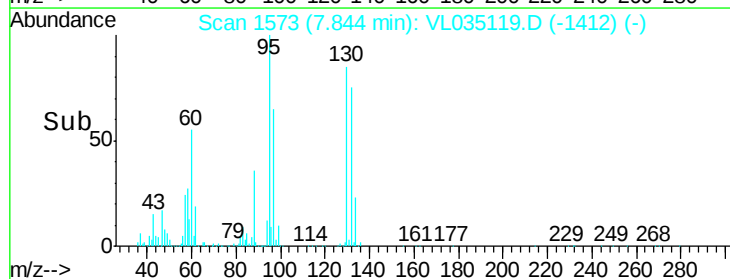
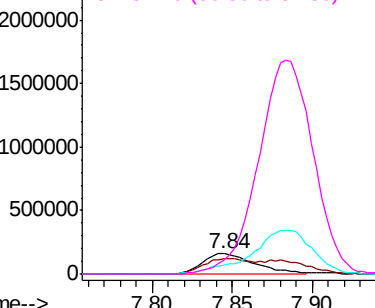


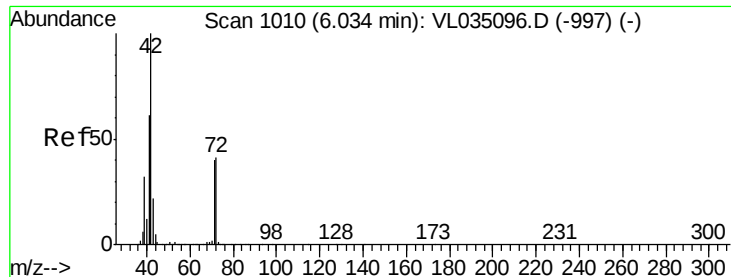
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

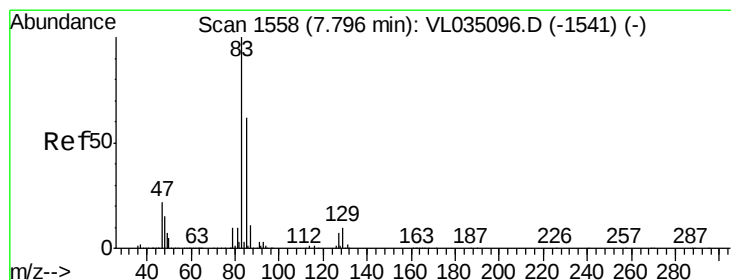
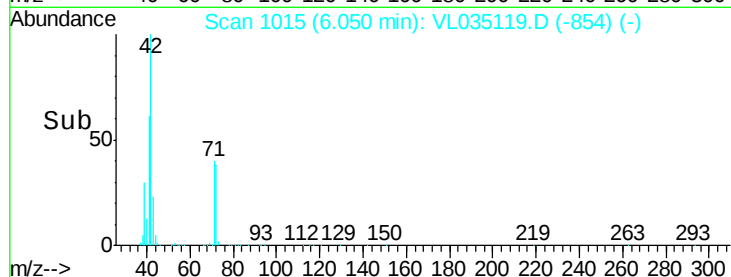
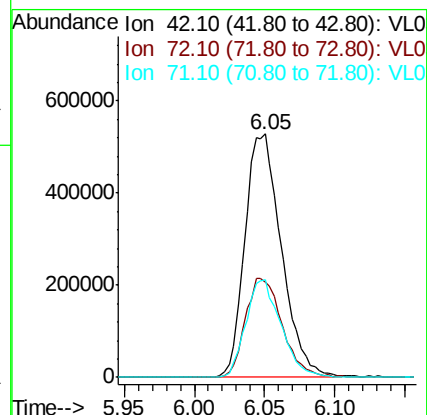
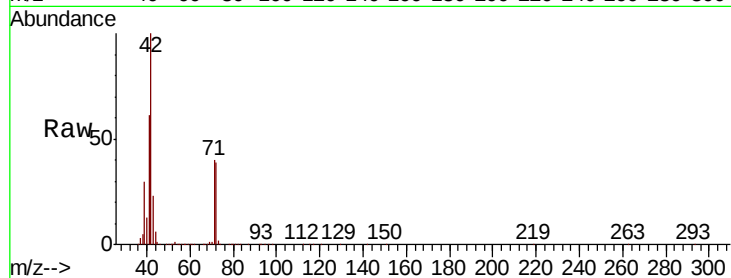




#41
Tetrahydrofuran
Concen: 10.686 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

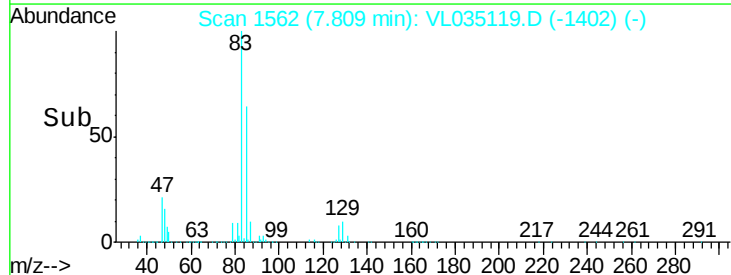
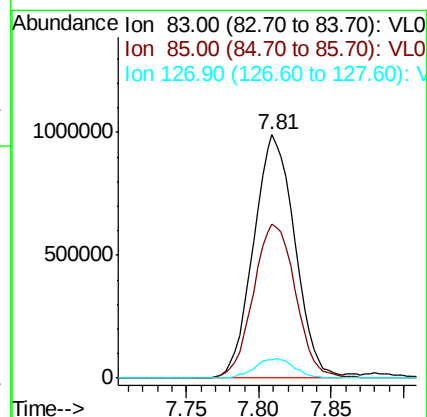
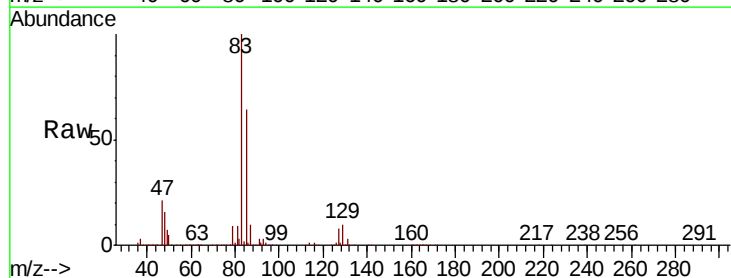
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

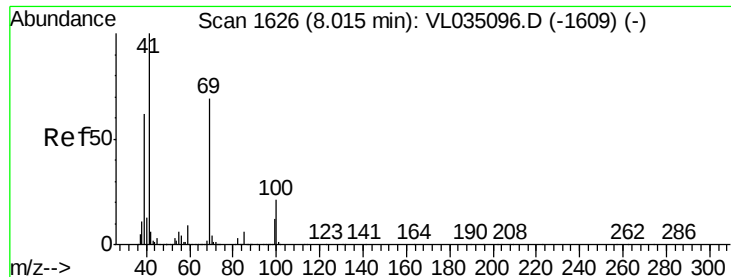
Tot Ion: 42 Resp: 960691
Ion Ratio Lower Upper
42 100
72 41.3 33.4 50.2
71 38.9 31.8 47.6



#42
Bromodichloromethane
Concen: 10.113 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 83 Resp: 1964652
Ion Ratio Lower Upper
83 100
85 63.5 49.4 74.0
127 7.6 5.9 8.9

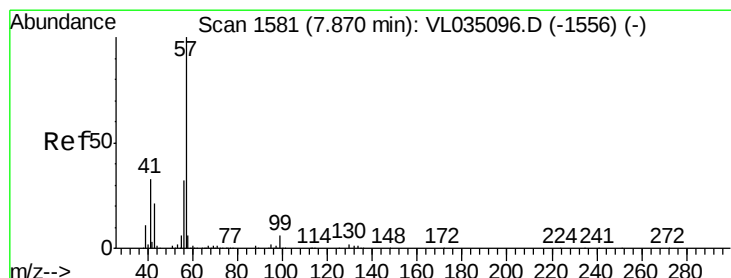
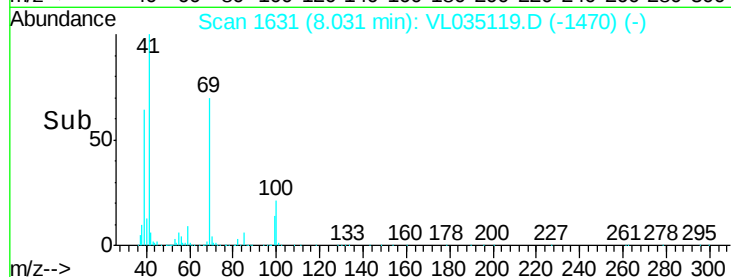
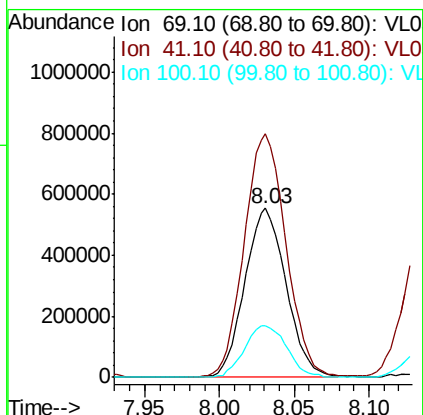
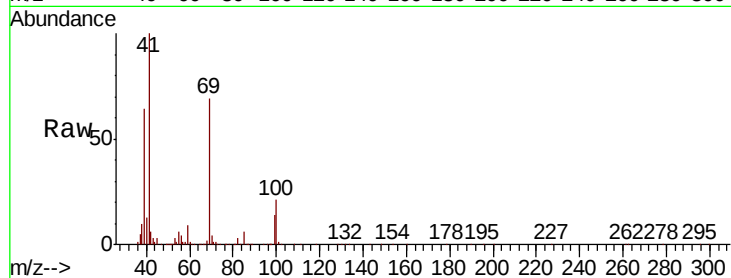




#43
Methyl Methacrylate
Concen: 10.577 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

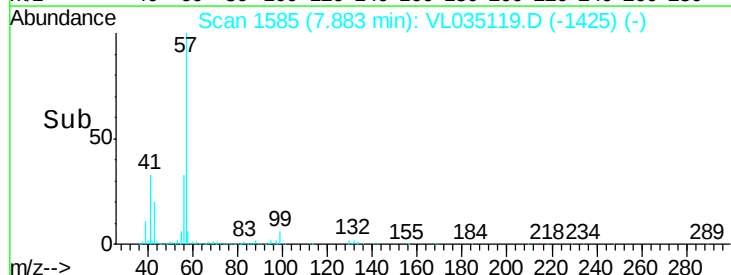
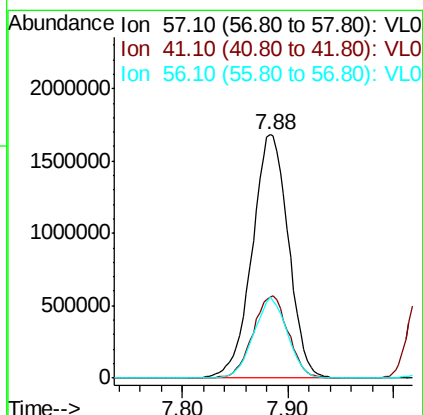
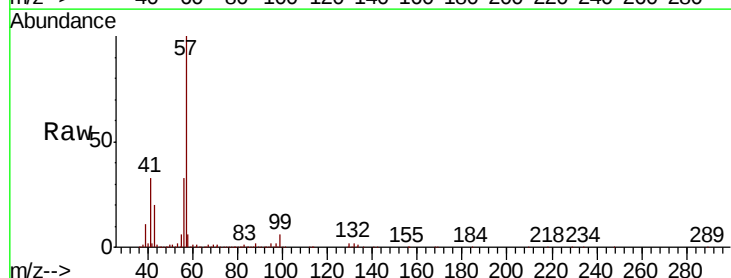
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

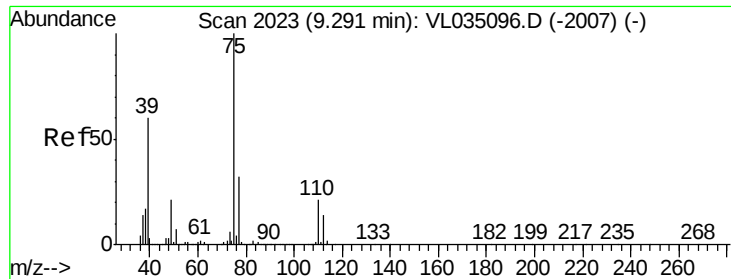
Tot Ion: 69 Resp: 1062510
Ion Ratio Lower Upper
69 100
41 146.1 116.4 174.6
100 31.5 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.708 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 57 Resp: 4021158
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.2
56 31.1 25.4 38.2

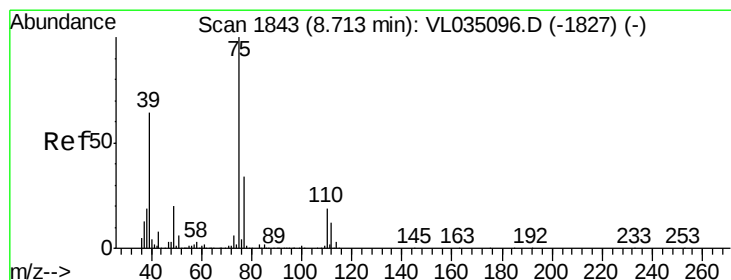
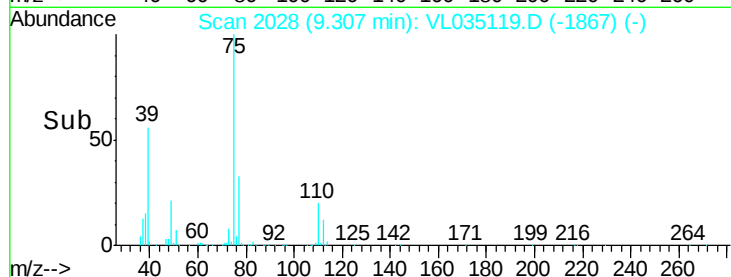
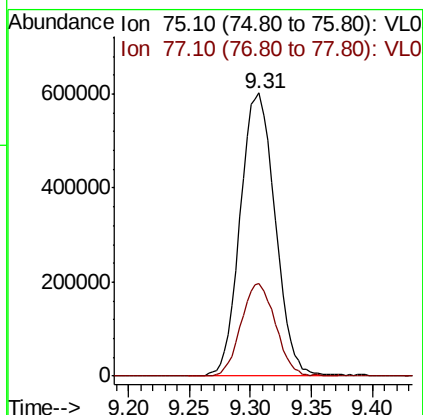
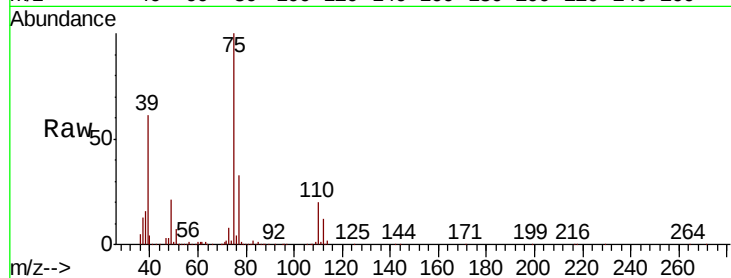




#45
 t-1,3-Dichloropropene
 Concen: 12.185 ppbv
 RT: 9.31 min Scan# 2028
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

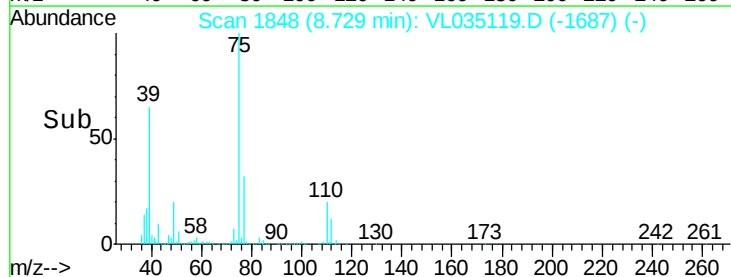
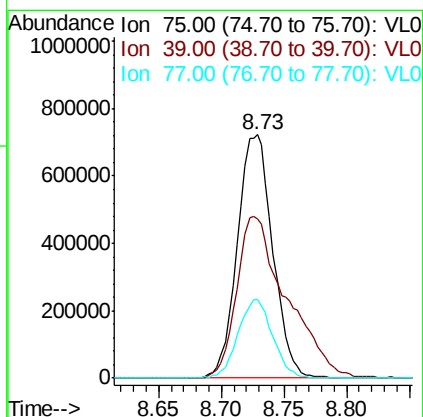
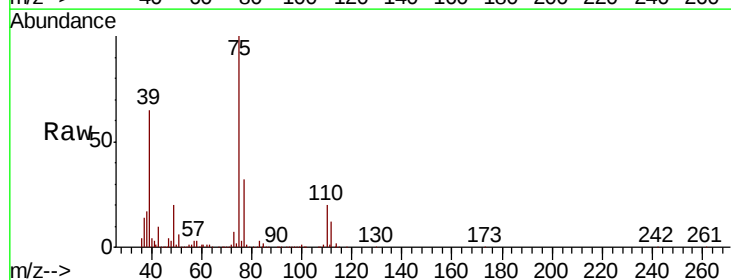
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

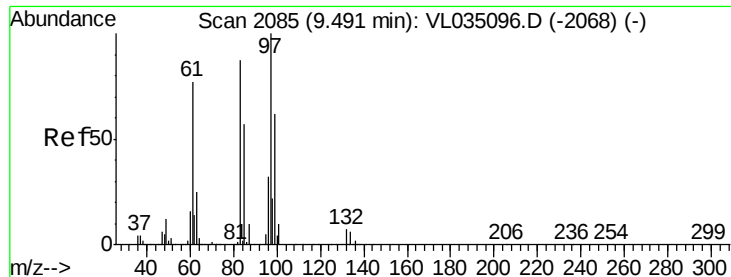
Tot Ion: 75 Resp: 1191284
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.658 ppbv
 RT: 8.73 min Scan# 1848
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 75 Resp: 1415940
 Ion Ratio Lower Upper
 75 100
 39 65.3 51.1 76.7
 77 32.1 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 9.525 ppbv

RT: 9.51 min Scan# 2090

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 964998

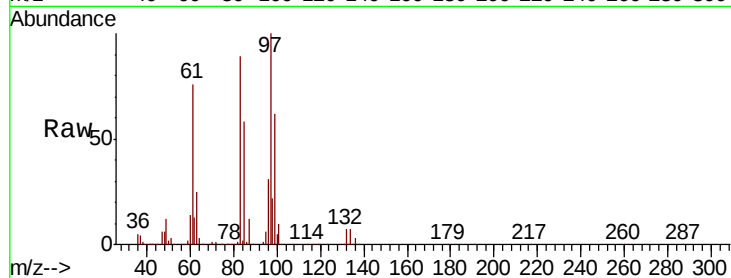
Ion Ratio Lower Upper

97 100

83 88.4 69.5 104.3

85 57.7 46.0 69.0

99 61.7 49.6 74.4

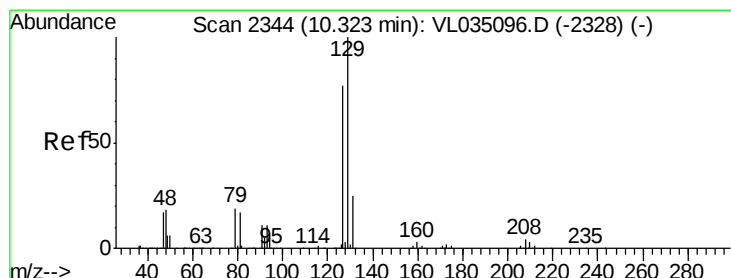
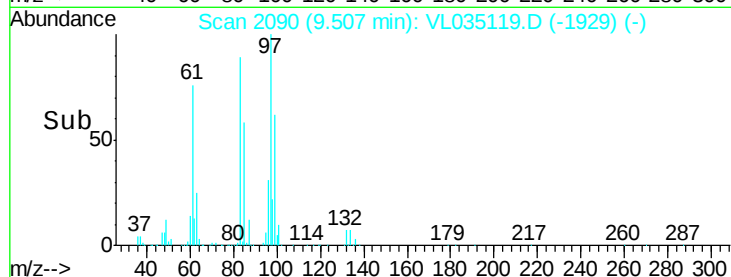
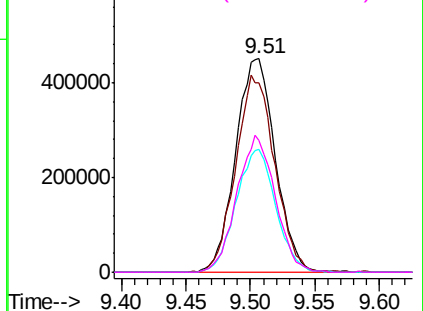


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.531 ppbv

RT: 10.34 min Scan# 2348

Delta R.T. 0.01 min

Lab File: VL035119.D

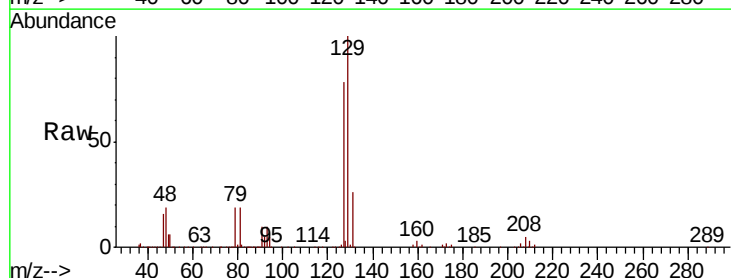
Acq: 22 Jun 2020 20:33

Tgt Ion: 129 Resp: 1590451

Ion Ratio Lower Upper

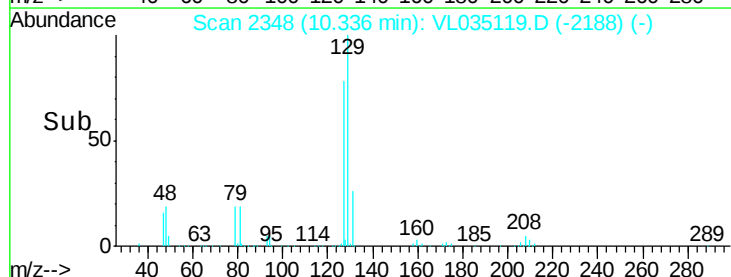
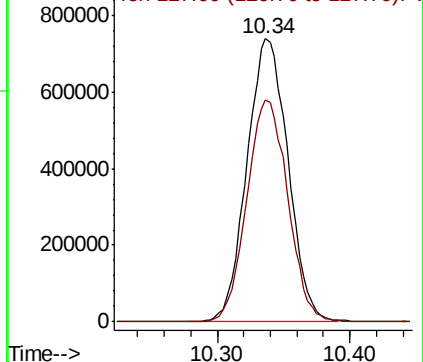
129 100

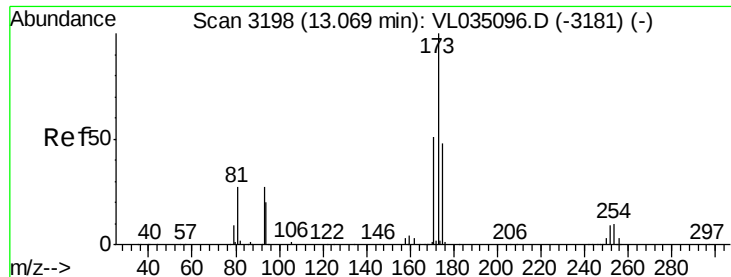
127 78.2 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.299 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

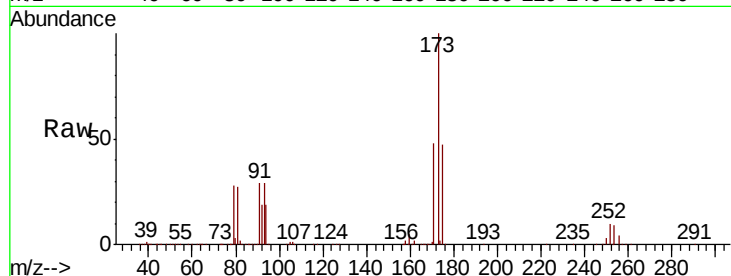
Tot Ion:173 Resp: 1321420

Ion Ratio Lower Upper

173 100

175 49.2 39.1 58.7

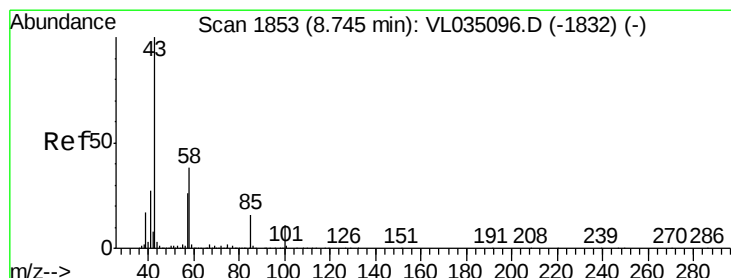
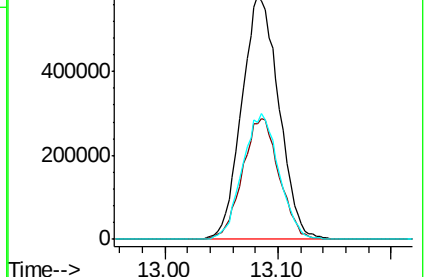
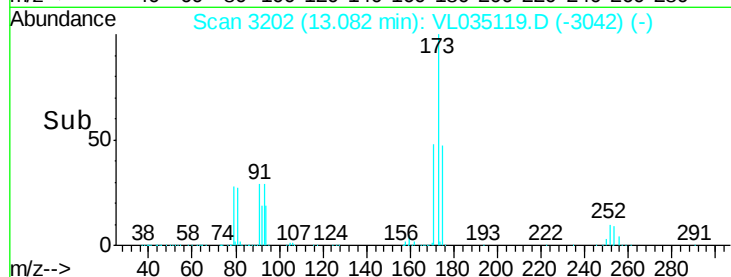
171 51.0 41.7 62.5



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: 9.911 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.02 min

Lab File: VL035119.D

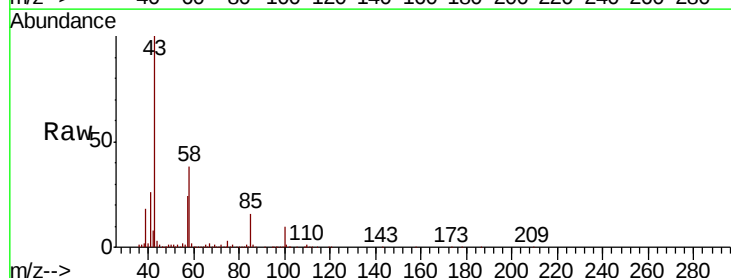
Acq: 22 Jun 2020 20:33

Tgt Ion: 43 Resp: 2478596

Ion Ratio Lower Upper

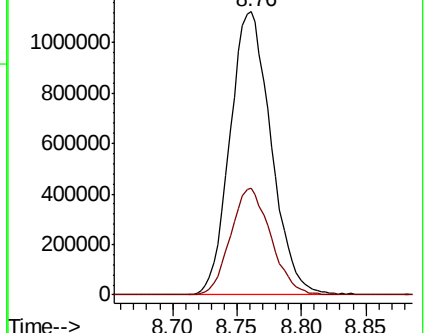
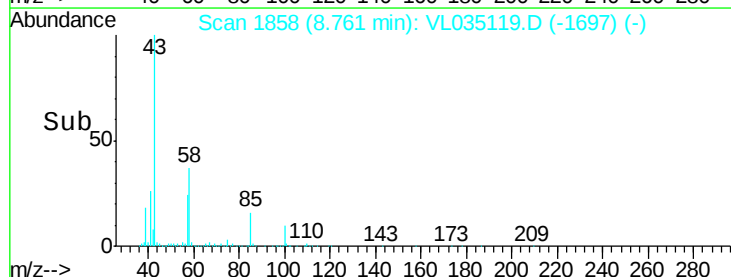
43 100

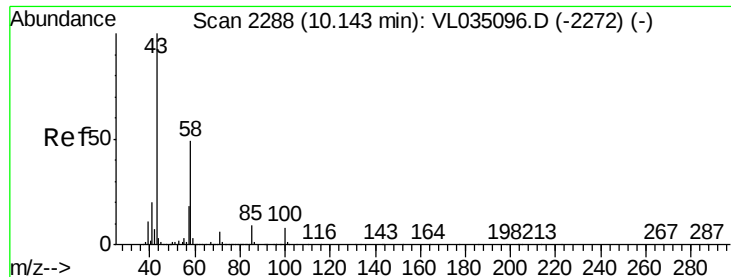
58 37.1 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

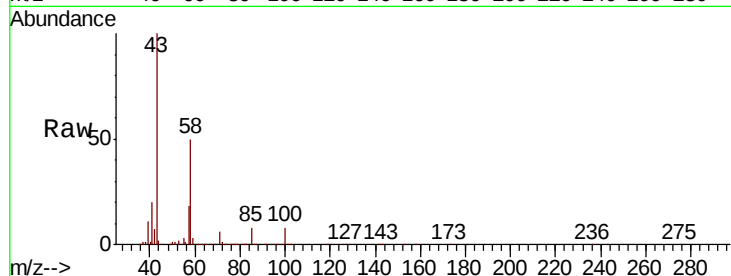




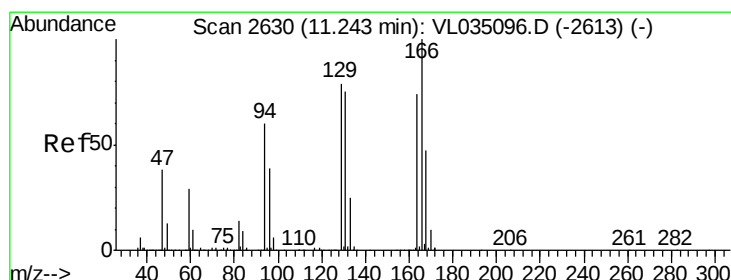
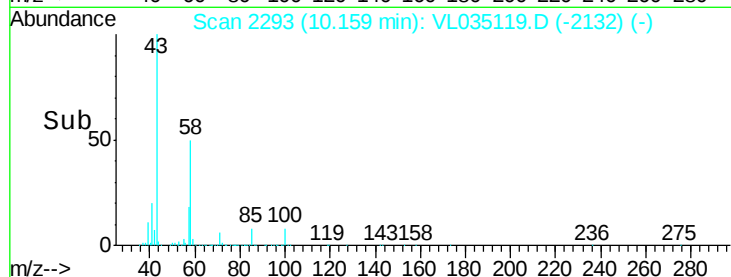
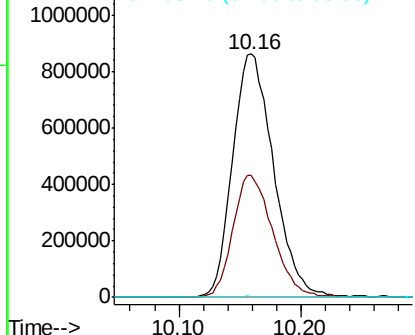
#51
2-Hexanone
Concen: 10.235 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2004394
Ion Ratio Lower Upper
43 100
58 49.1 39.2 58.8
98 0.4 0.3 0.5

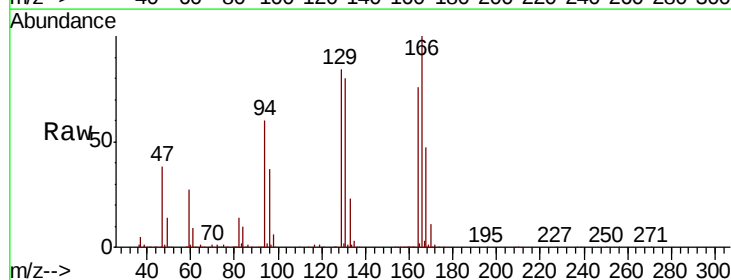


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

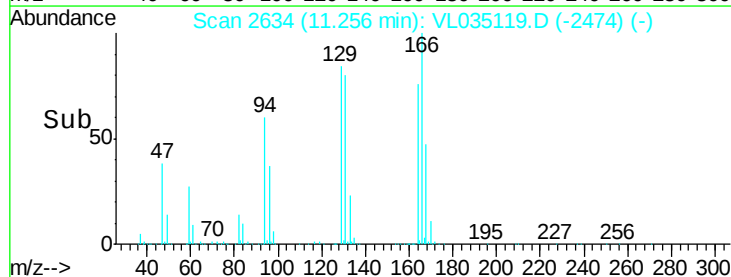
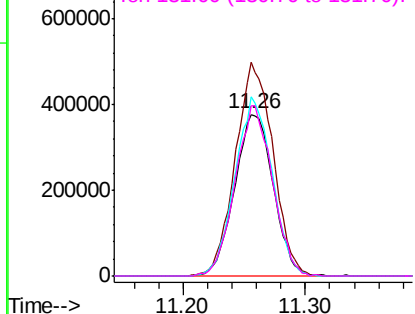


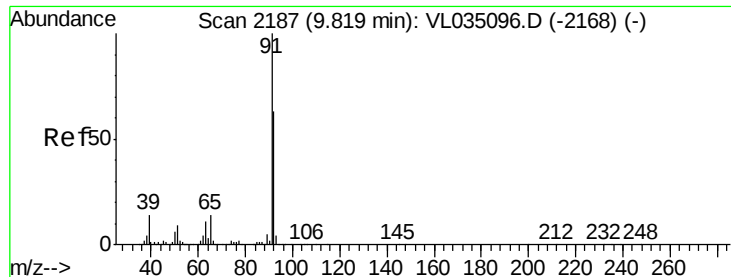
#52
Tetrachloroethene
Concen: 9.827 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 164 Resp: 821760
Ion Ratio Lower Upper
164 100
166 132.0 107.5 161.3
129 110.9 84.9 127.3
131 105.5 81.1 121.7



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





#53

Toluene

Concen: 10.629 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

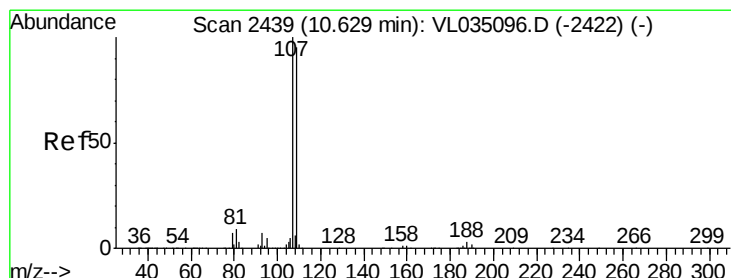
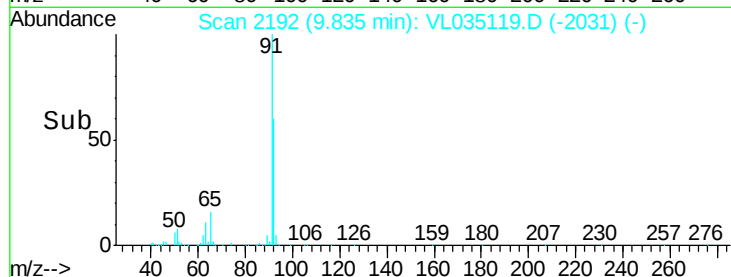
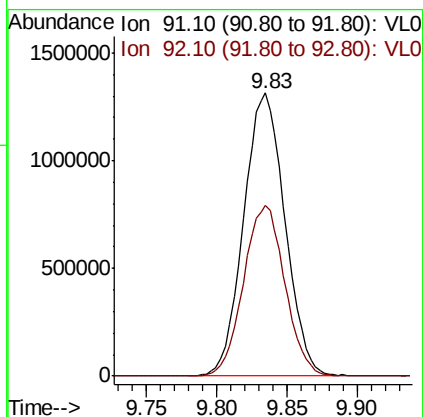
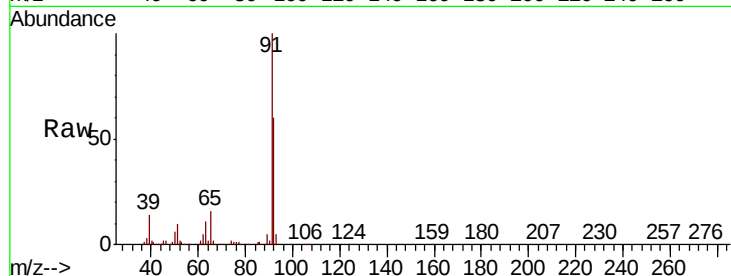
VSTDCCC010EC

Tot Ion: 91 Resp: 2690739

Ion Ratio Lower Upper

91 100

92 60.6 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.658 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.02 min

Lab File: VL035119.D

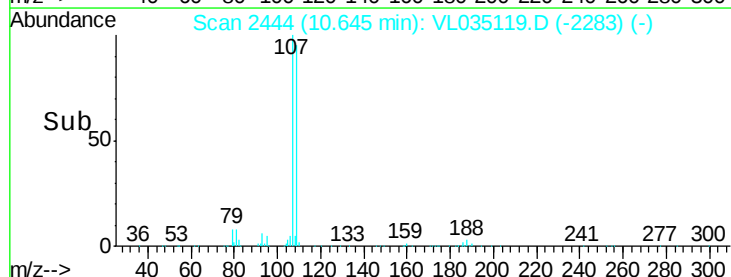
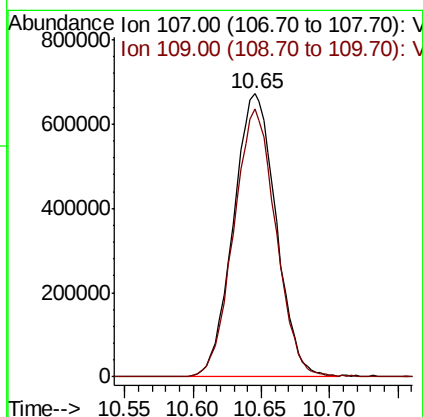
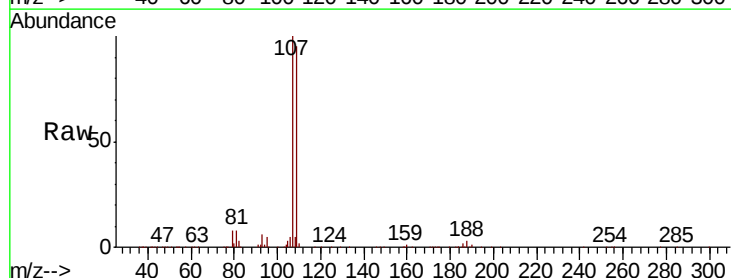
Acq: 22 Jun 2020 20:33

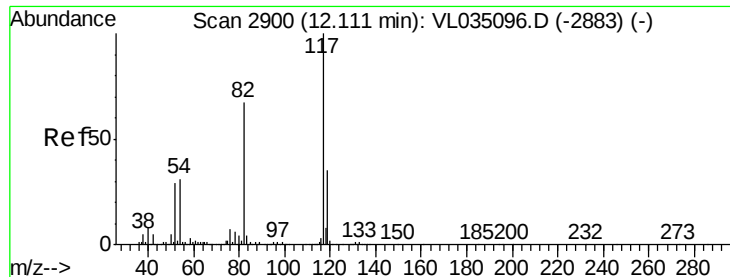
Tgt Ion: 107 Resp: 1448659

Ion Ratio Lower Upper

107 100

109 94.6 75.9 113.9

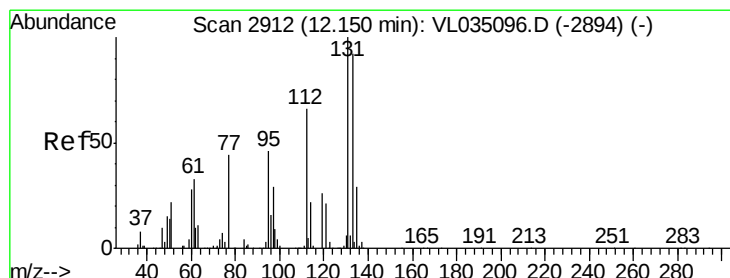
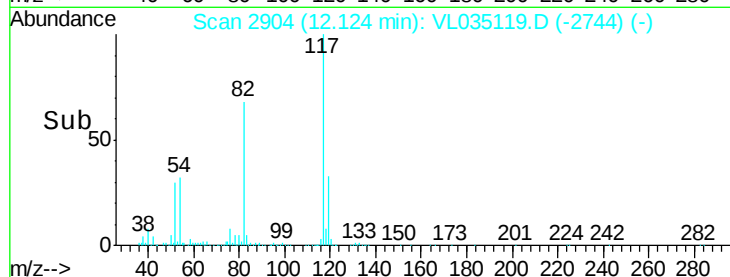
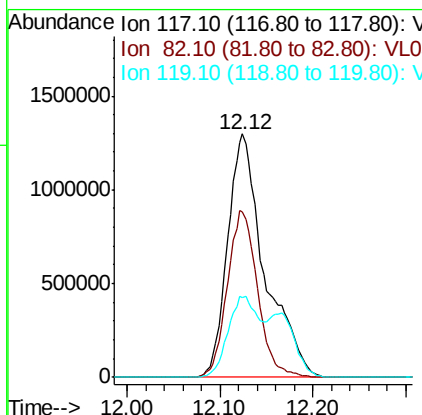
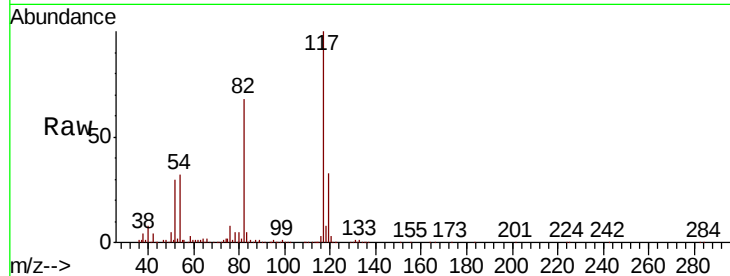




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

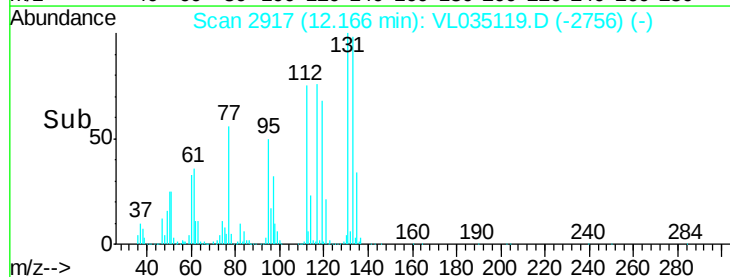
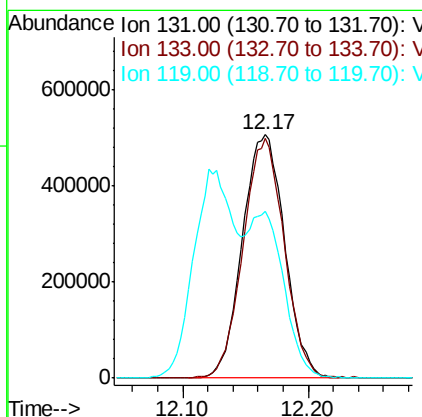
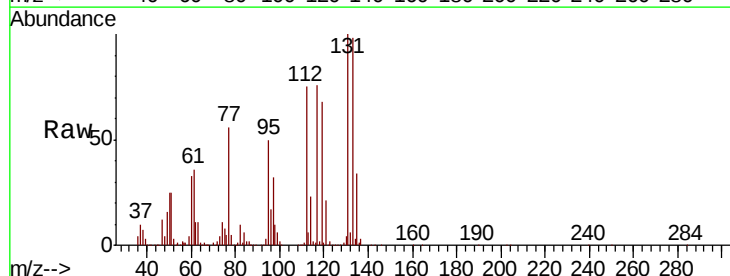
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

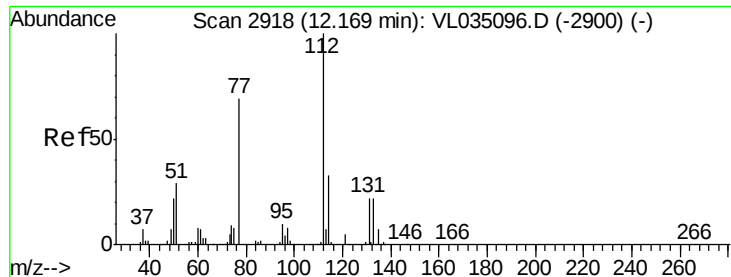
Tot Ion:117 Resp: 3602300
Ion Ratio Lower Upper
117 100
82 56.1 50.4 75.6
119 29.0 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.032 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion:131 Resp: 1184066
Ion Ratio Lower Upper
131 100
133 95.8 76.2 114.4
119 143.5 114.6 172.0





#57

Chlorobenzene

Concen: 7.517 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

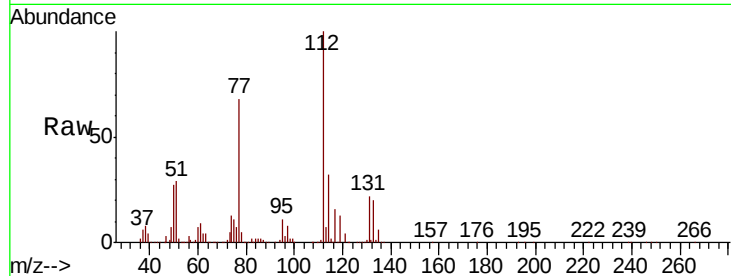
Tot Ion:112 Resp: 1992553

Ion Ratio Lower Upper

112 100

77 67.4 56.7 85.1

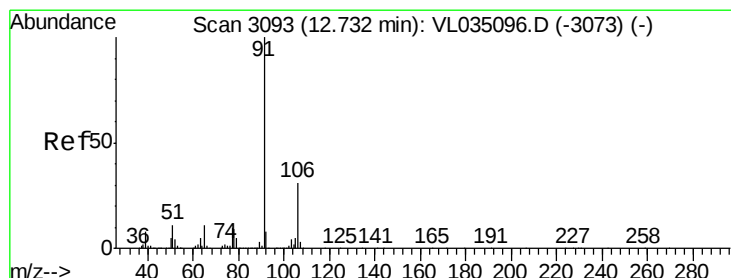
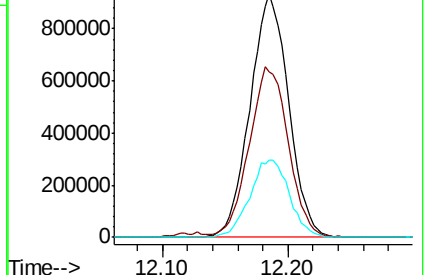
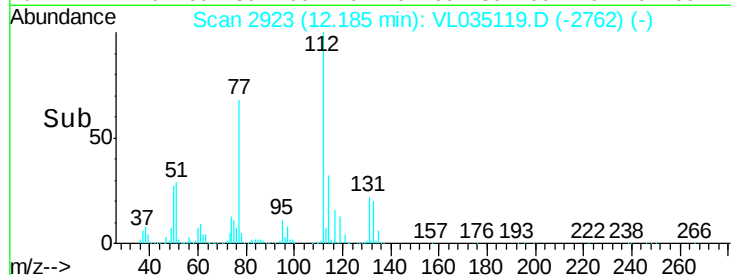
114 31.3 29.3 35.9



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: 8.766 ppbv

RT: 12.75 min Scan# 3099

Delta R.T. 0.02 min

Lab File: VL035119.D

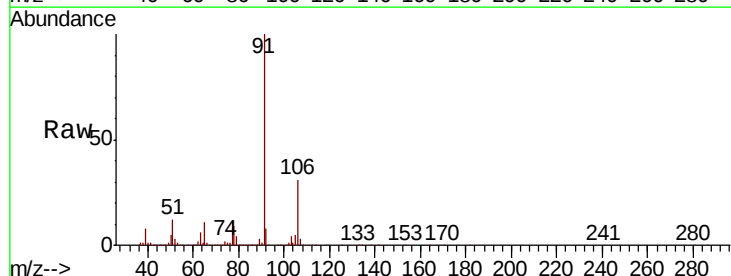
Acq: 22 Jun 2020 20:33

Tgt Ion: 91 Resp: 3548019

Ion Ratio Lower Upper

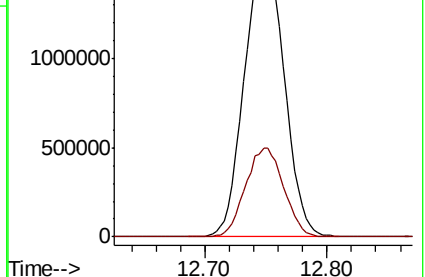
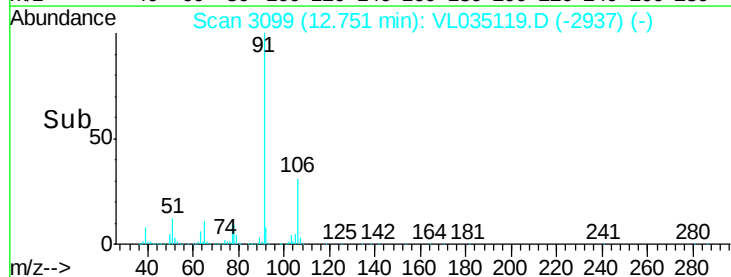
91 100

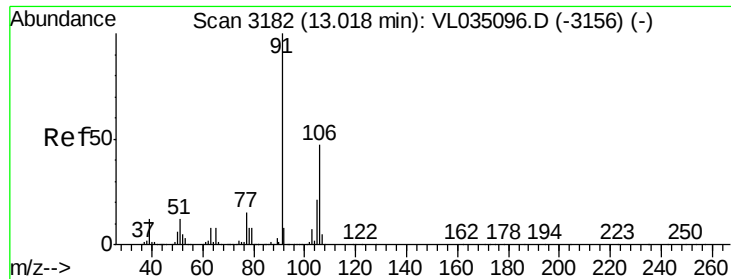
106 31.3 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

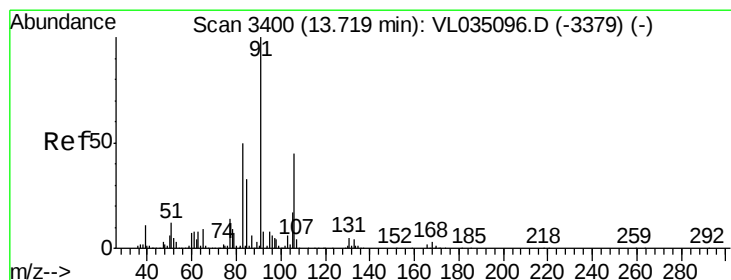
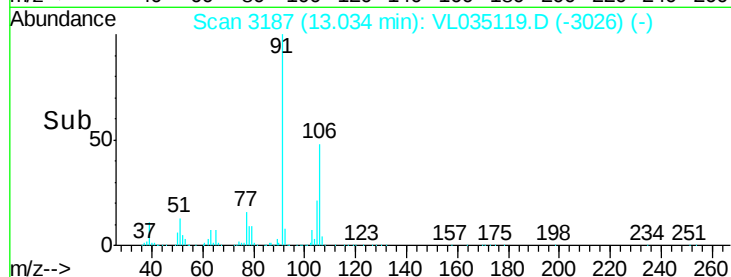
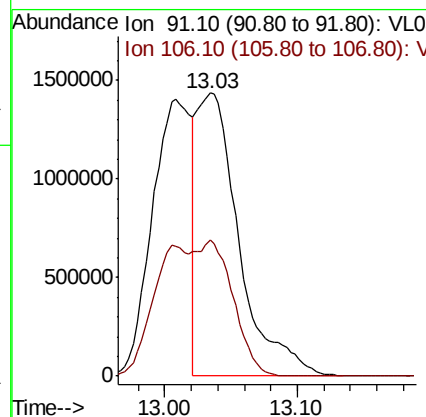
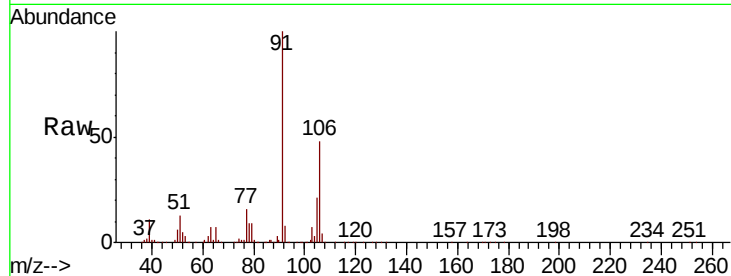




#59
m/p-Xylene
Concen: 8.750 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

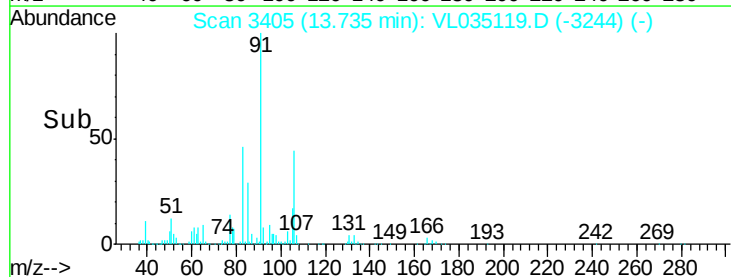
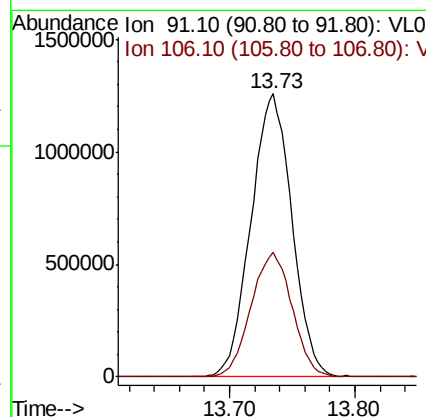
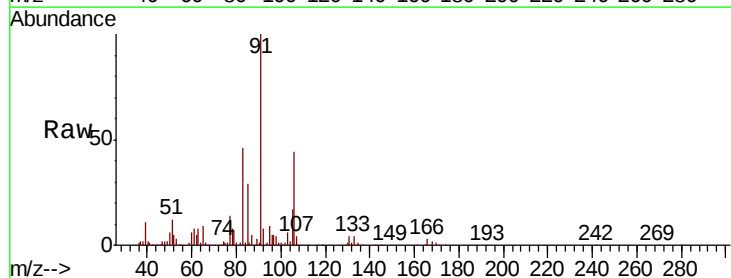
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

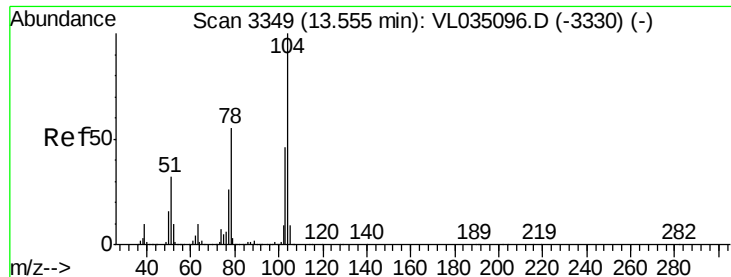
Tot Ion: 91 Resp: 3138678
Ion Ratio Lower Upper
91 100
106 84.6 36.5 54.7#



#60
o-Xylene
Concen: 7.999 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.02 min
Lab File: VL035119.D
Acq: 22 Jun 2020 20:33

Tgt Ion: 91 Resp: 2856478
Ion Ratio Lower Upper
91 100
106 44.3 22.1 66.5





#61

Stvrene

Concen: 9.077 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

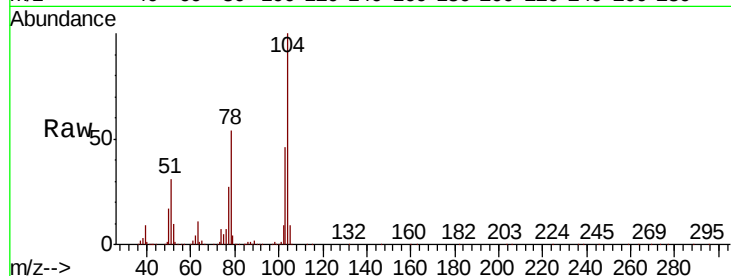
Tot Ion:104 Resp: 2039822

Ion Ratio Lower Upper

104 100

78 53.5 43.4 65.0

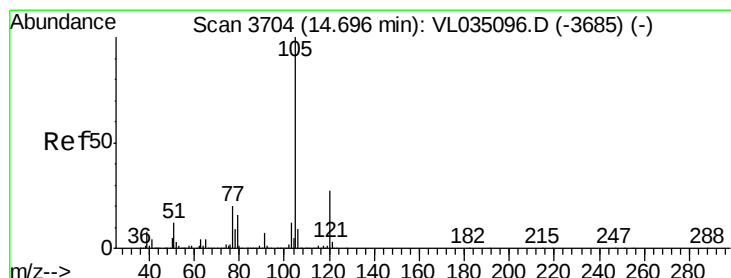
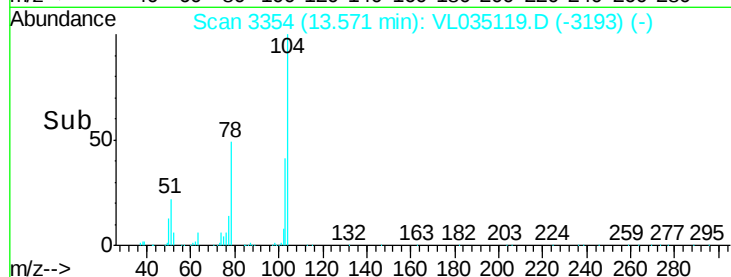
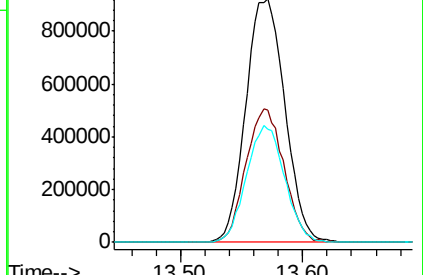
103 47.0 38.3 57.5



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: 7.876 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.02 min

Lab File: VL035119.D

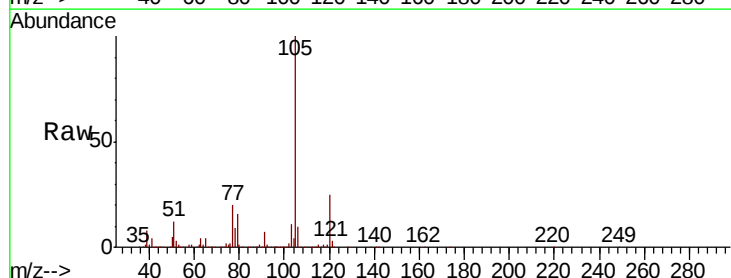
Acq: 22 Jun 2020 20:33

Tgt Ion:105 Resp: 4197099

Ion Ratio Lower Upper

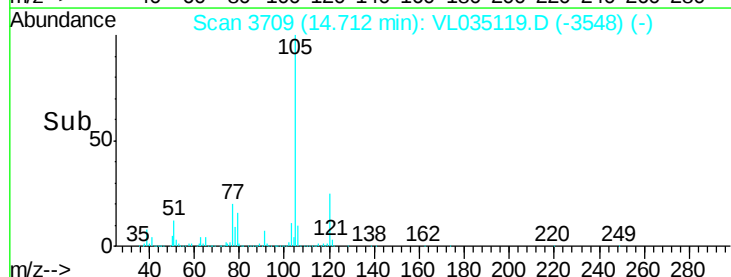
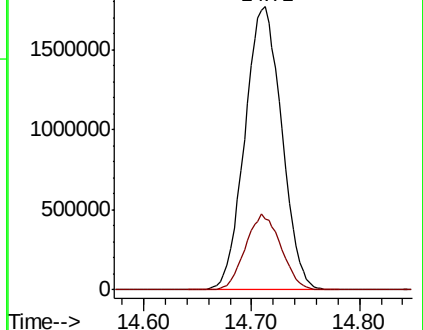
105 100

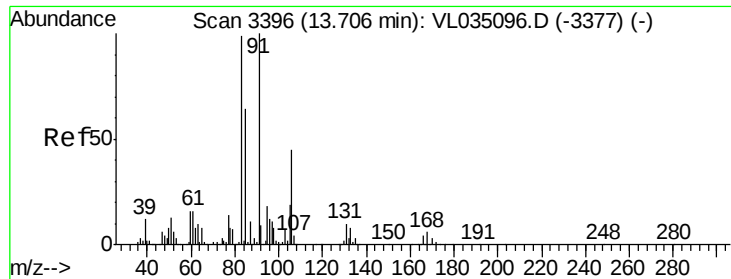
120 25.7 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

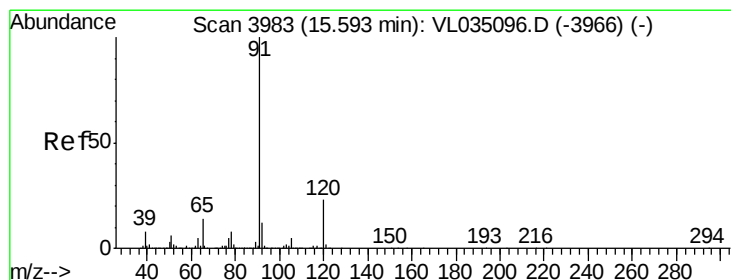
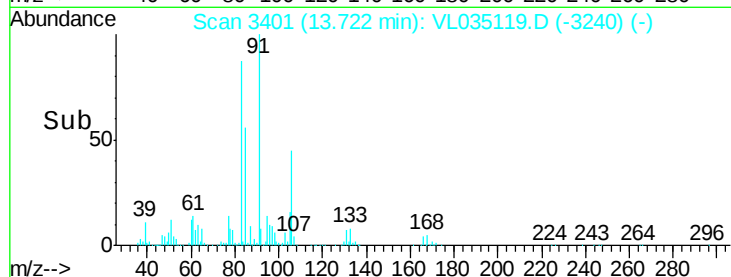
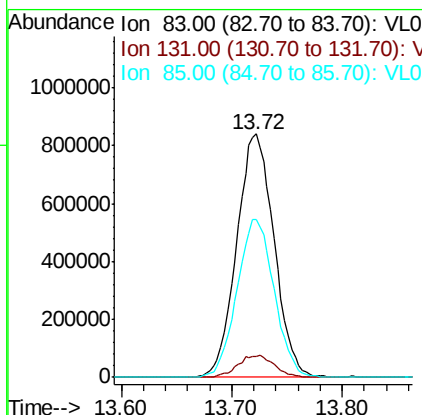
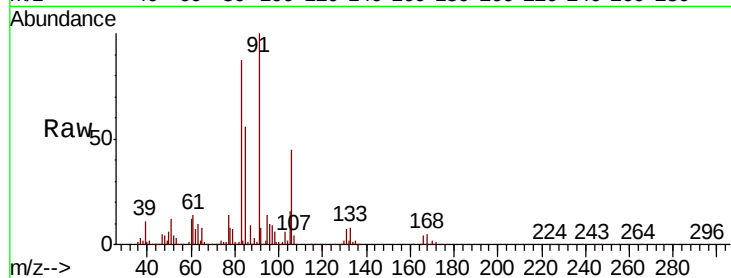




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.815 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

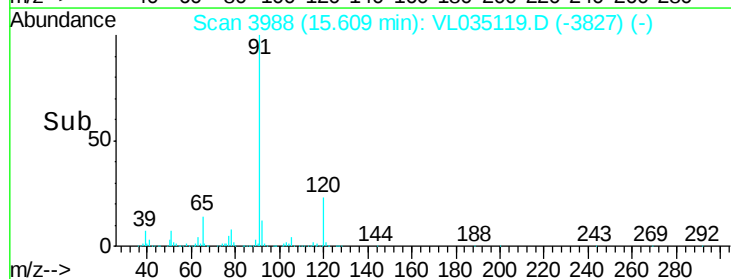
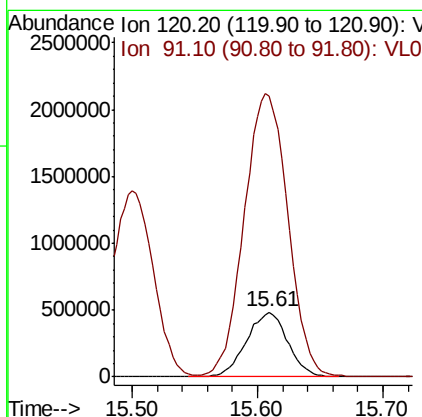
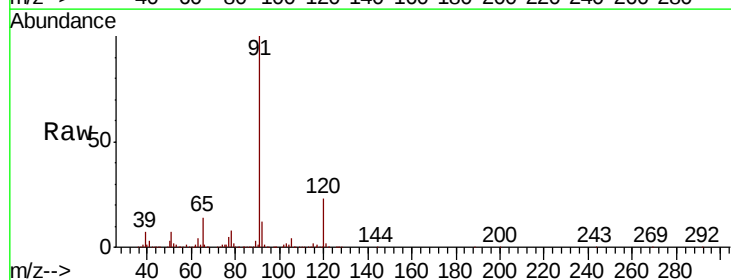
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

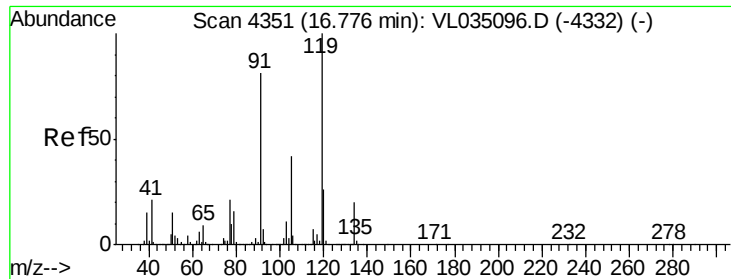
Tot Ion: 83 Resp: 1971149
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.7 14.0
 85 64.7 32.4 97.0



#64
 n-propylbenzene
 Concen: 8.095 ppbv
 RT: 15.61 min Scan# 3988
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion:120 Resp: 1100876
 Ion Ratio Lower Upper
 120 100
 91 467.8 367.9 551.9





#65

tert-Butylbenzene

Concen: 7.903 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

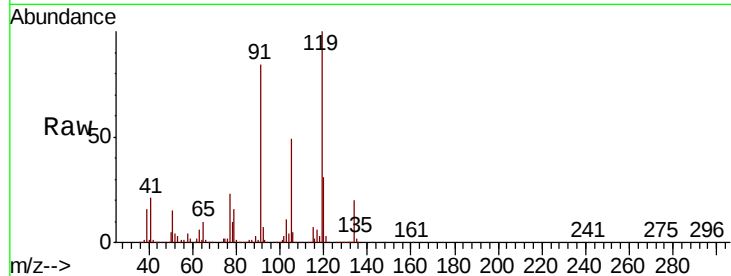
Tot Ion:119 Resp: 3606136

Ion Ratio Lower Upper

119 100

91 85.2 67.6 101.4

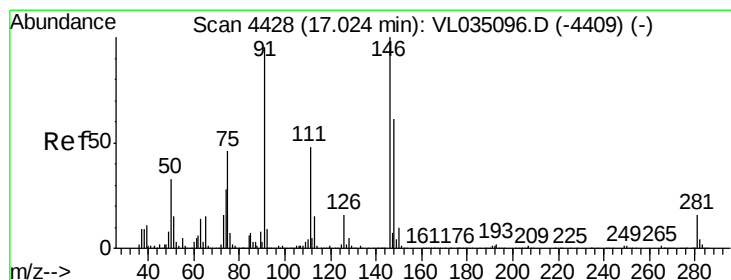
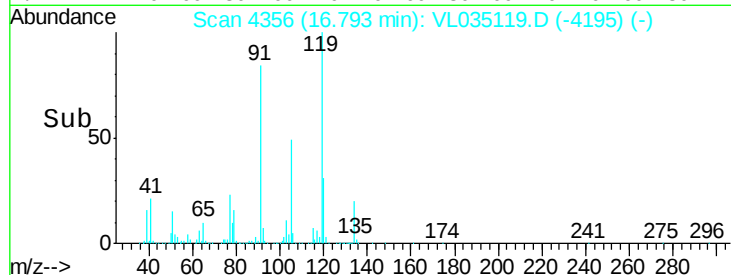
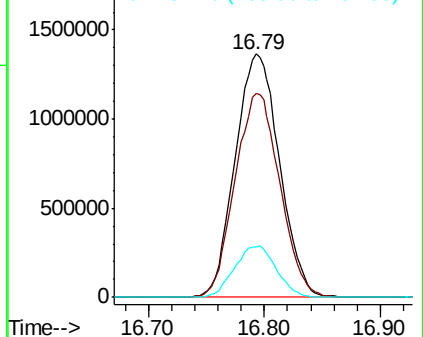
134 20.2 15.7 23.5



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: 10.075 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

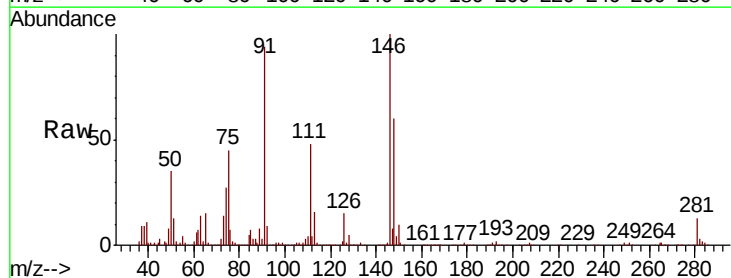
Tgt Ion: 91 Resp: 1420191

Ion Ratio Lower Upper

91 100

126 16.8 13.5 20.3

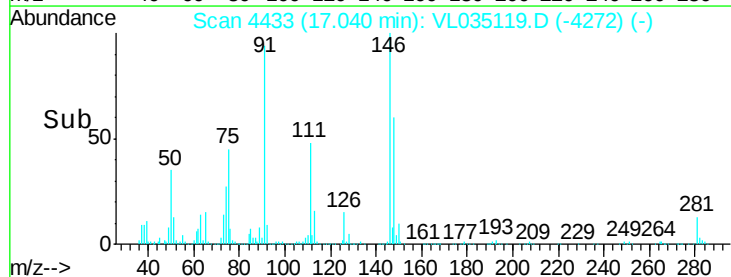
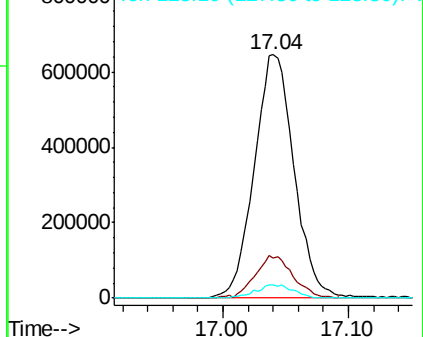
128 5.4 4.3 6.5

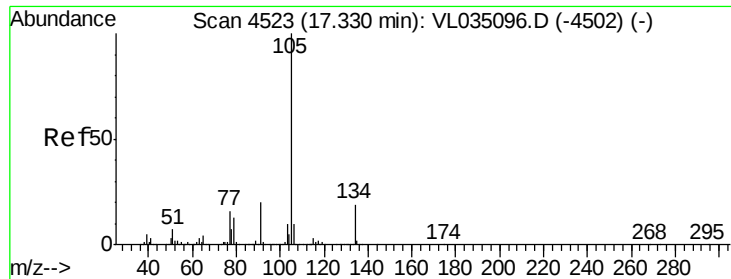


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

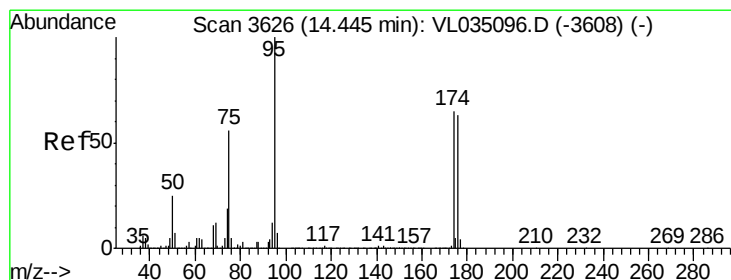
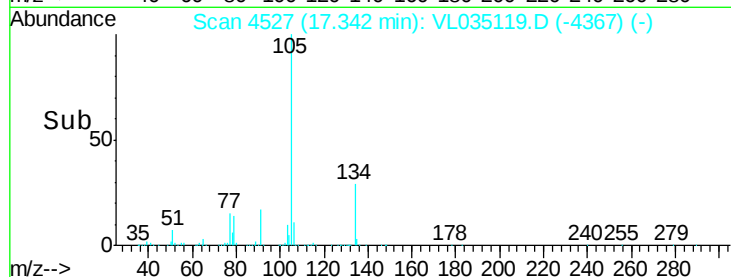
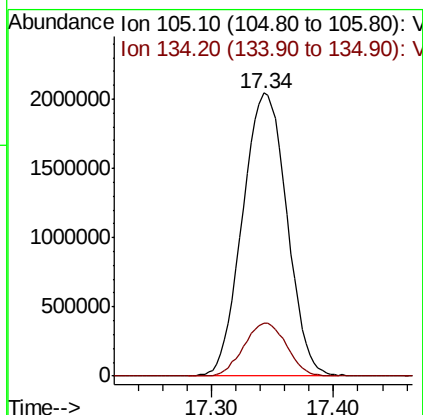
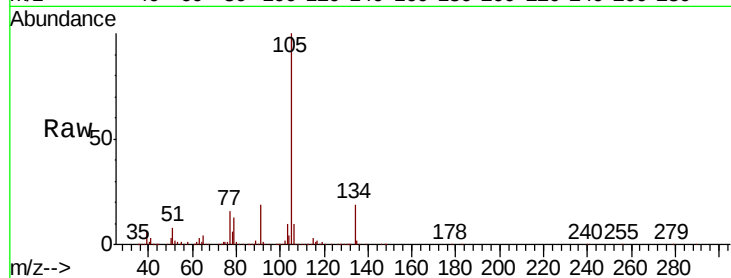




#67
 sec-Butylbenzene
 Concen: 7.855 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

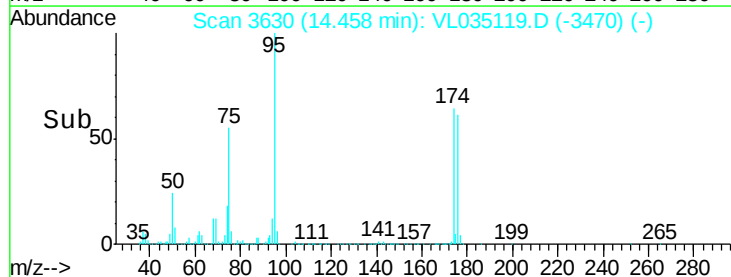
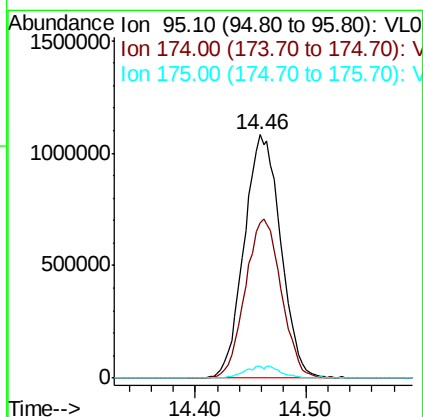
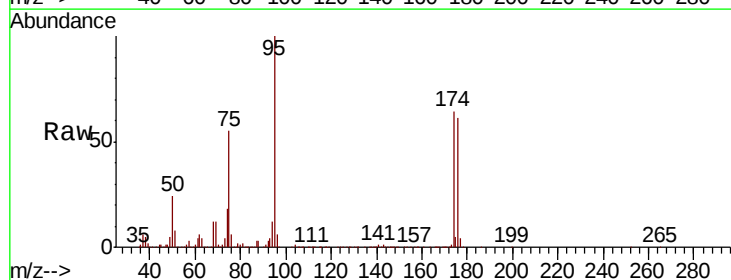
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

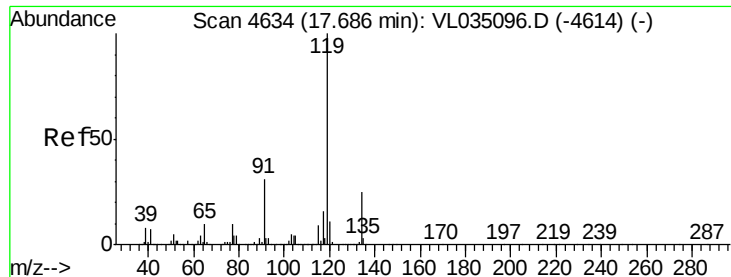
Tot Ion:105 Resp: 5137183
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.273 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion: 95 Resp: 2475744
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.2 78.2
 175 4.8 4.0 6.0





#69

p-Isopropyltoluene

Concen: 8.265 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

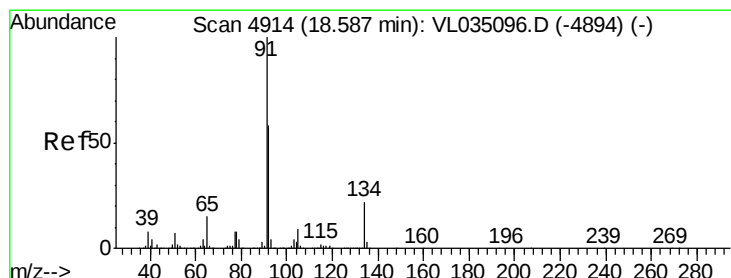
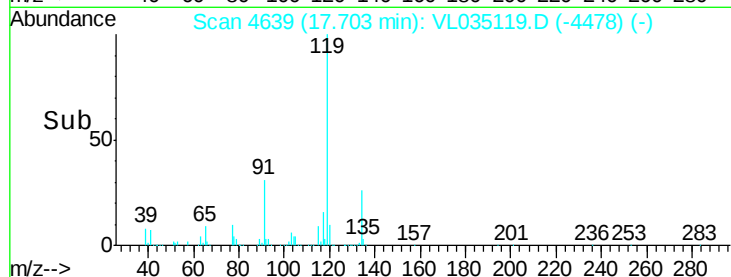
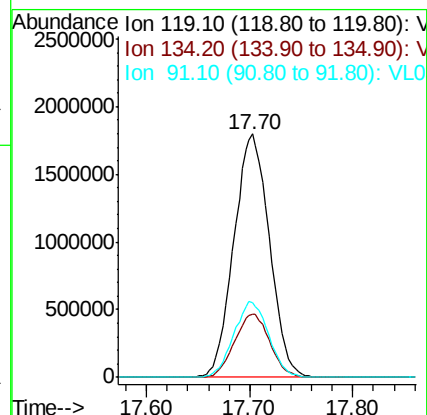
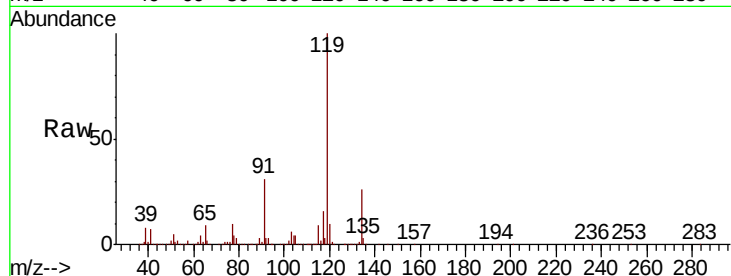
Tot Ion:119 Resp: 4311653

Ion Ratio Lower Upper

119 100

134 25.8 20.4 30.6

91 30.6 24.5 36.7



#70

n-Butylbenzene

Concen: 8.232 ppbv

RT: 18.60 min Scan# 4919

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

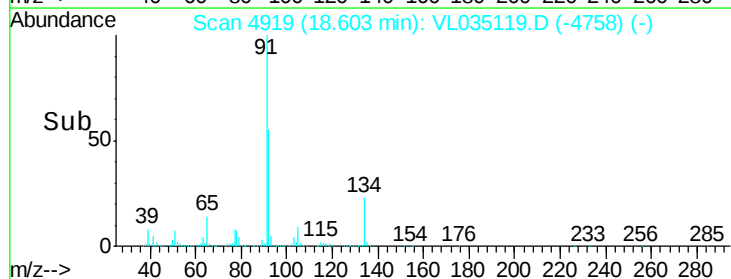
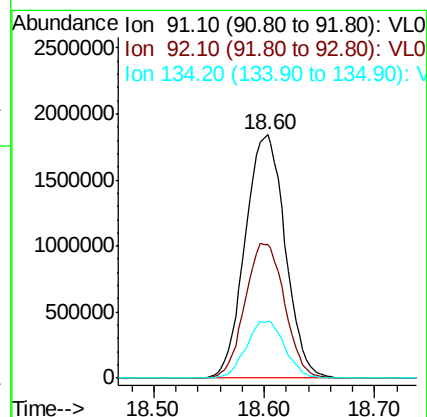
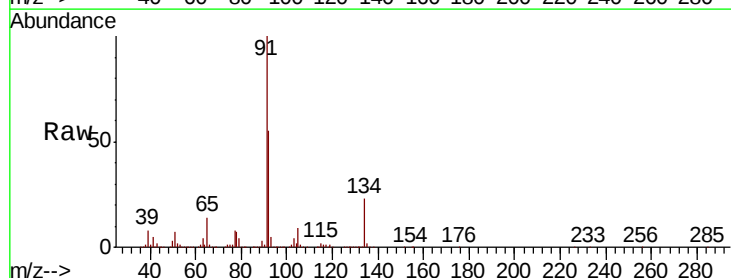
Tgt Ion: 91 Resp: 4626018

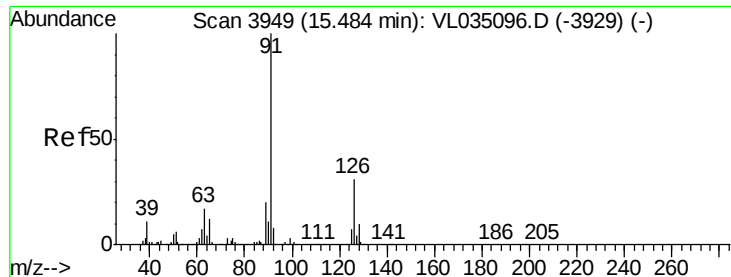
Ion Ratio Lower Upper

91 100

92 54.8 44.4 66.6

134 22.7 18.0 27.0





#71

2-Chlorotoluene

Concen: 8.052 ppbv

RT: 15.50 min Scan# 3954

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

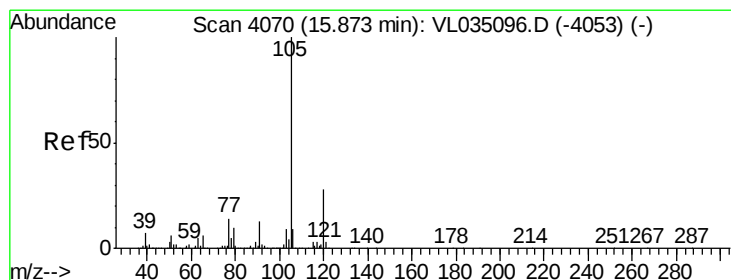
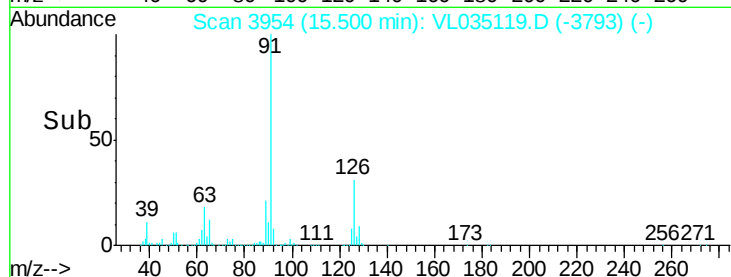
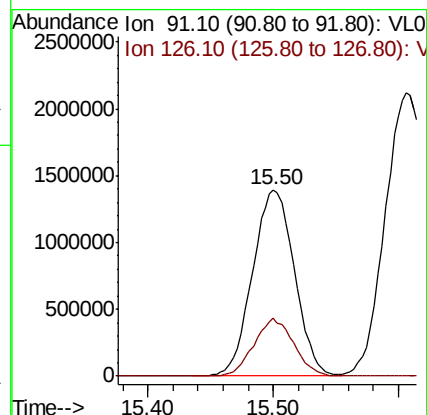
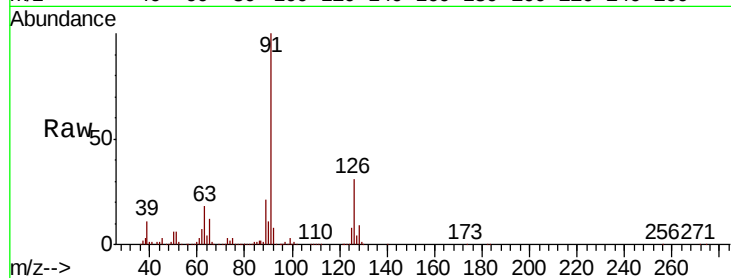
VSTDCCC010EC

Tot Ion: 91 Resp: 3243404

Ion Ratio Lower Upper

91 100

126 29.5 12.0 48.0



#72

4-Ethyltoluene

Concen: 8.421 ppbv

RT: 15.89 min Scan# 4074

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Tgt Ion: 105 Resp: 3345396

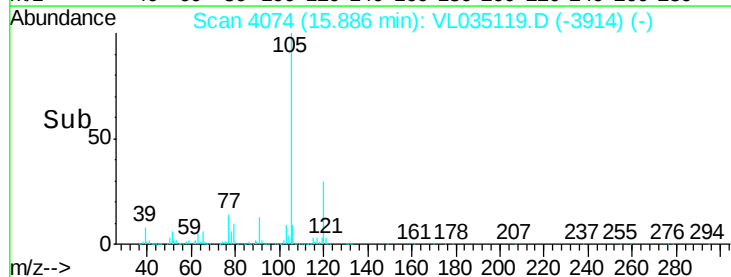
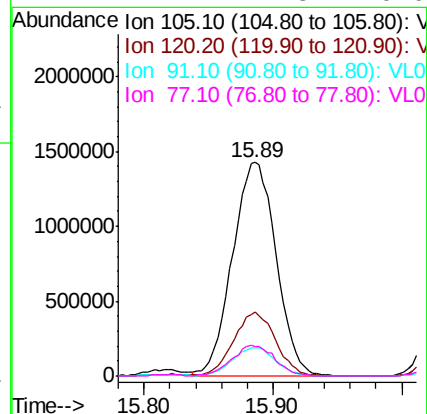
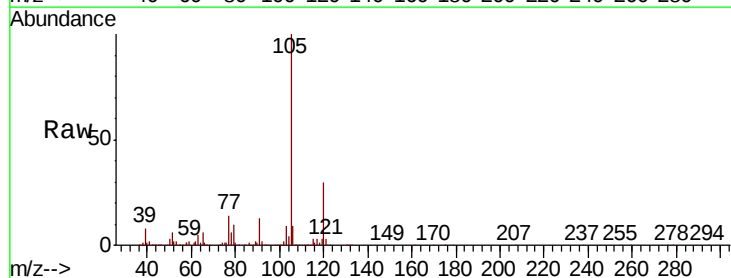
Ion Ratio Lower Upper

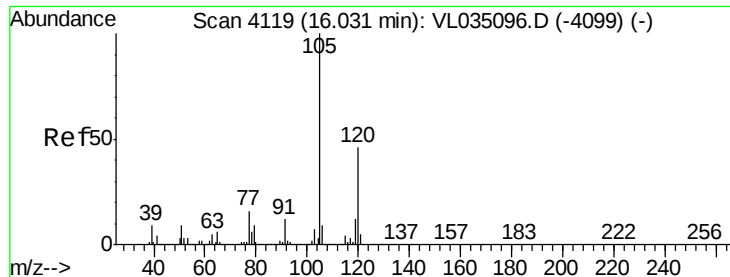
105 100

120 29.6 23.4 35.0

91 13.2 10.6 16.0

77 14.2 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.218 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

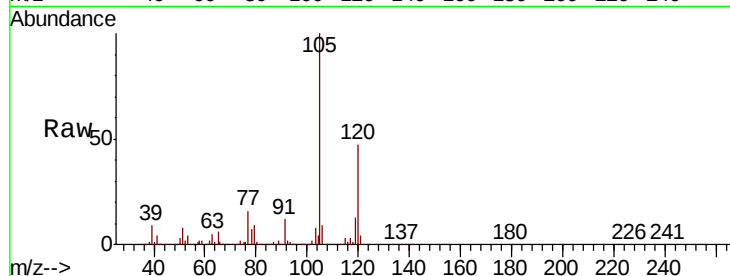
VSTDCCC010EC

Tot Ion:105 Resp: 3086086

Ion Ratio Lower Upper

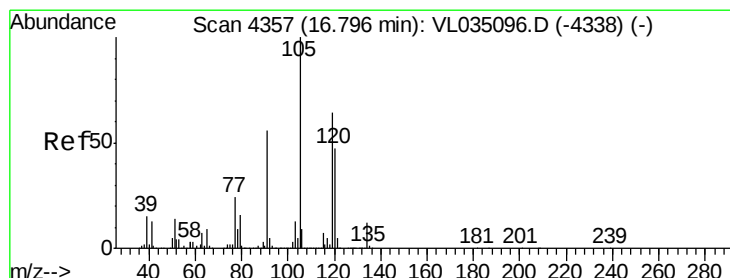
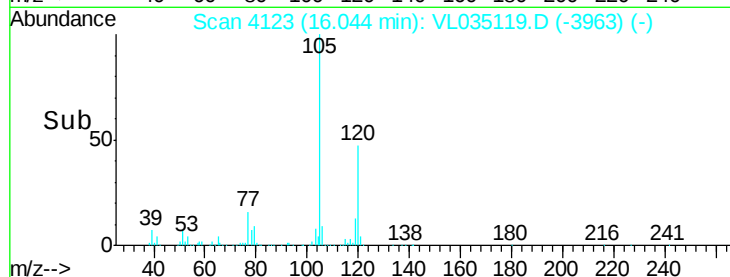
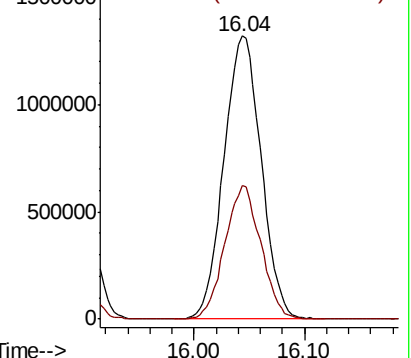
105 100

120 47.1 37.0 55.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.772 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Tgt Ion:105 Resp: 3257357

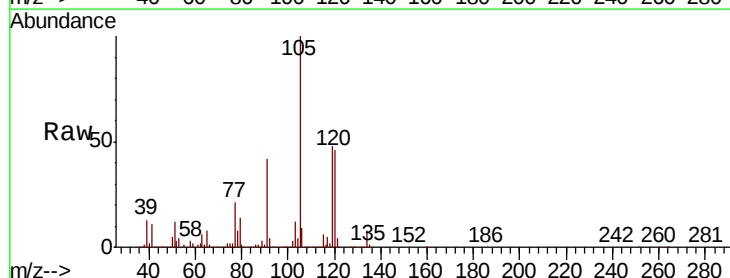
Ion Ratio Lower Upper

105 100

120 46.0 37.9 56.9

91 41.8 46.0 69.0#

77 21.2 19.4 29.2

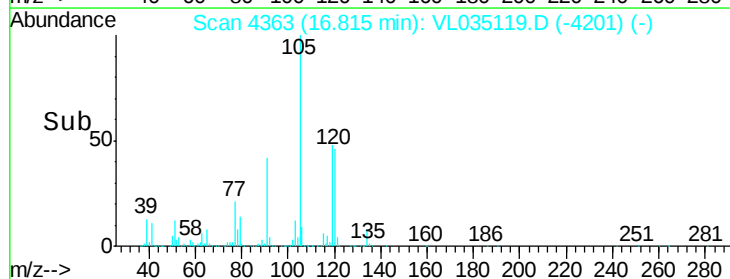
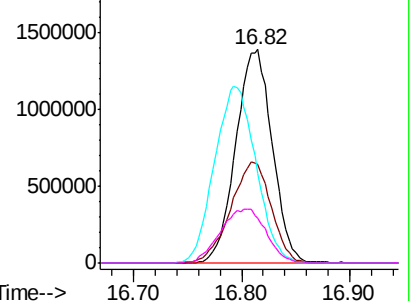


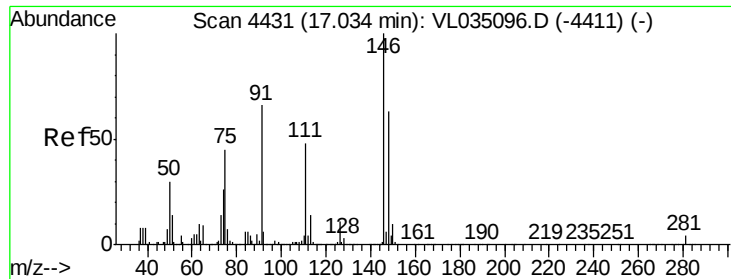
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.517 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

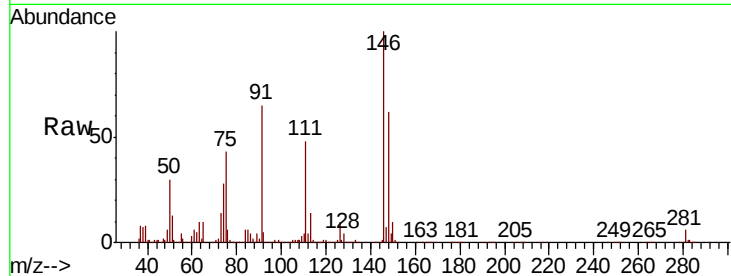
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1880112

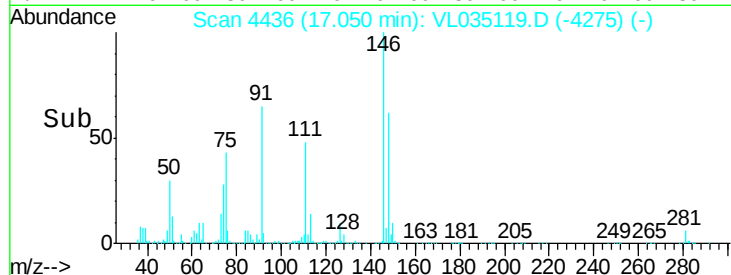
Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.1	72.4
148	64.3	32.3	96.8



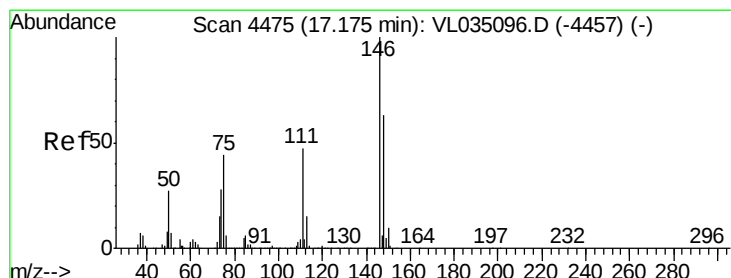
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#76

1,4-Dichlorobenzene

Concen: 7.836 ppbv

RT: 17.19 min Scan# 4480

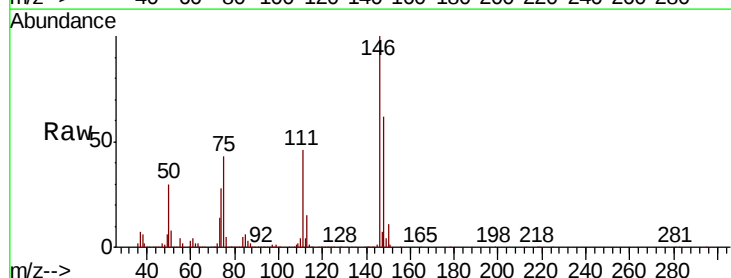
Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Tgt Ion:146 Resp: 1874916

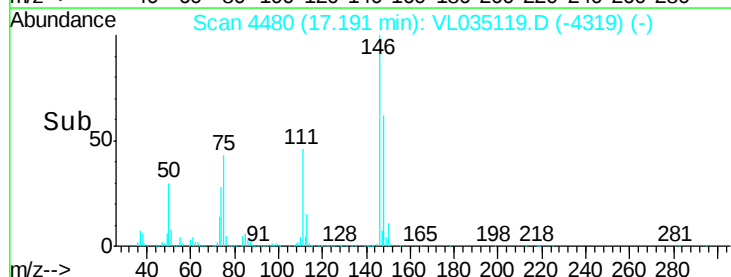
Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.5	70.5
148	65.1	32.0	96.2



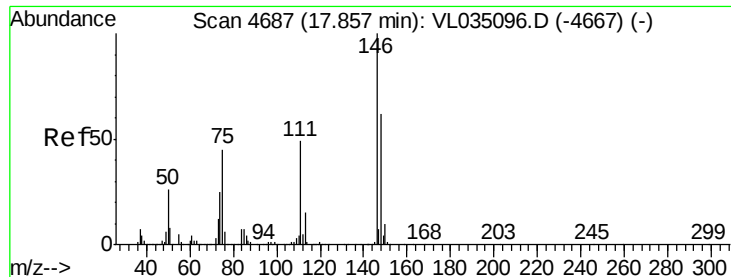
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



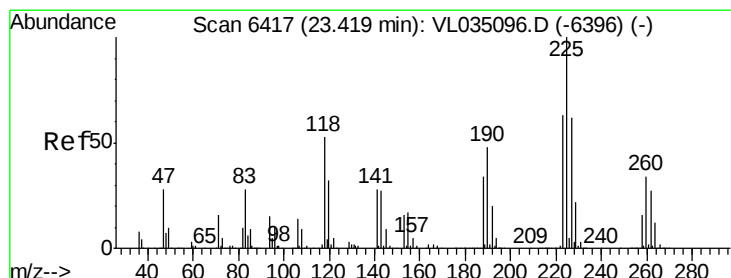
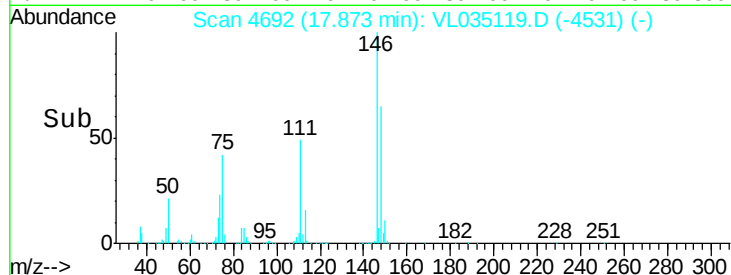
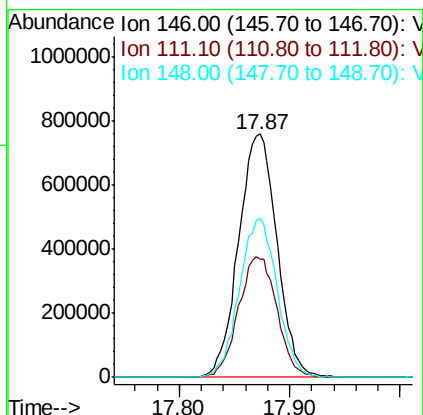
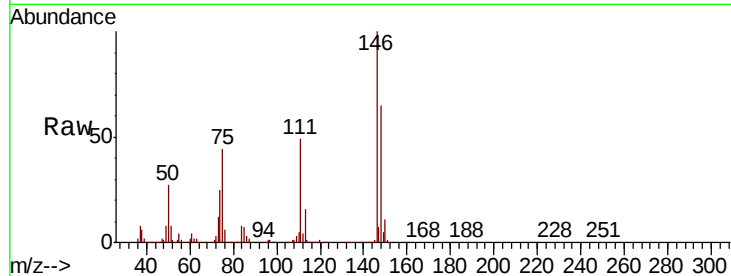
Time-->



#77
 1,2-Dichlorobenzene
 Concen: 7.994 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.02 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

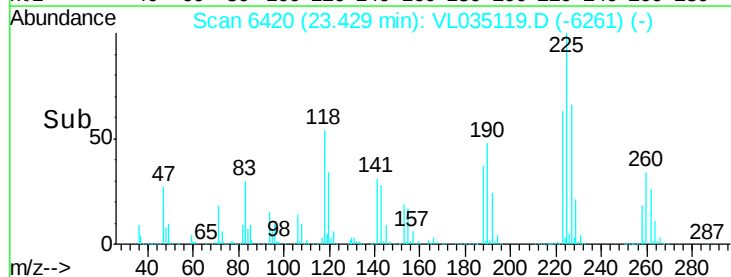
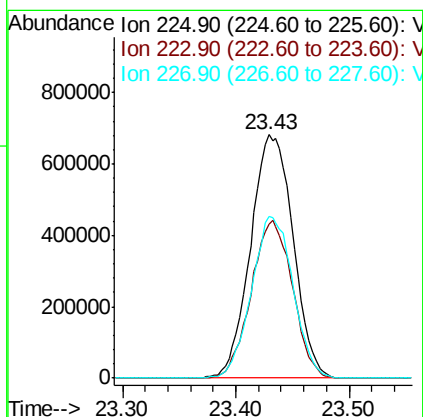
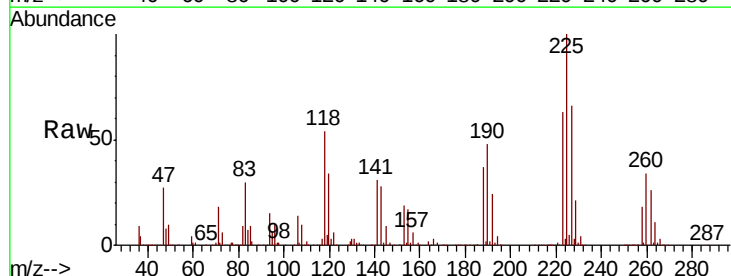
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

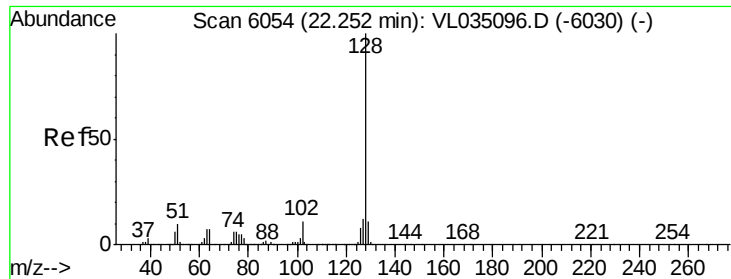
Tot Ion:146 Resp: 1829494
 Ion Ratio Lower Upper
 146 100
 111 50.0 25.0 75.0
 148 64.6 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.646 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.01 min
 Lab File: VL035119.D
 Acq: 22 Jun 2020 20:33

Tgt Ion:225 Resp: 1778581
 Ion Ratio Lower Upper
 225 100
 223 62.9 51.4 77.0
 227 64.9 51.8 77.8





#79

Naphthalene

Concen: 10.671 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.02 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

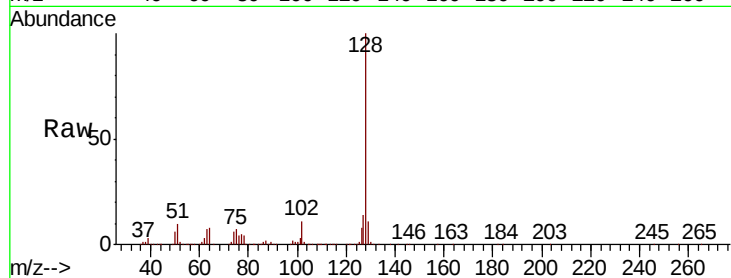
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 3921049

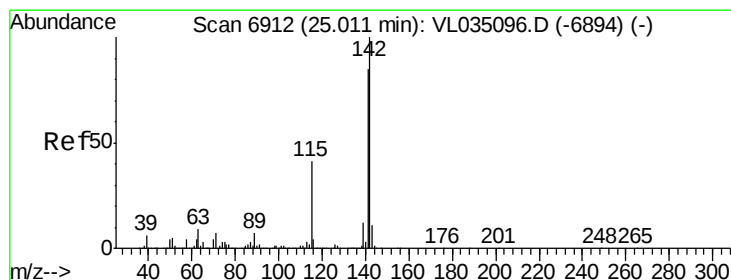
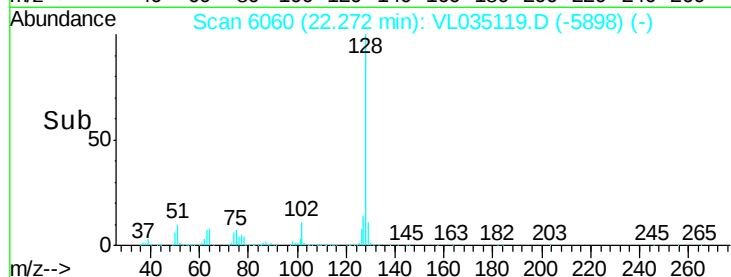
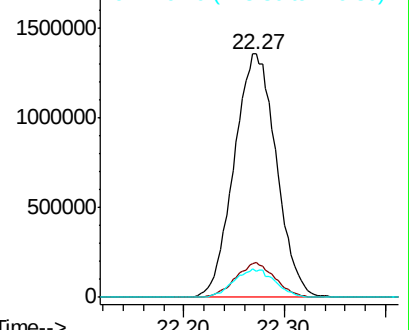
Ion	Ratio	Lower	Upper
128	100		
127	14.3	9.9	14.9
129	10.8	9.0	13.4



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: 10.463 ppbv

RT: 25.02 min Scan# 6916

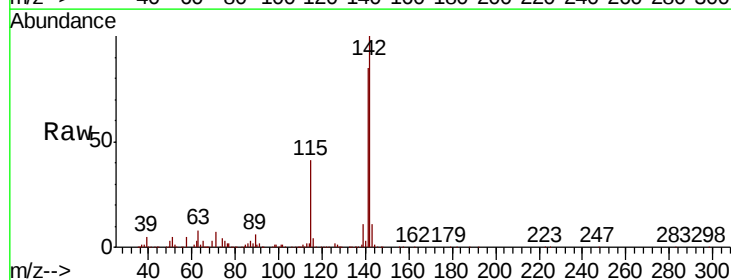
Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Tgt Ion:142 Resp: 1469988

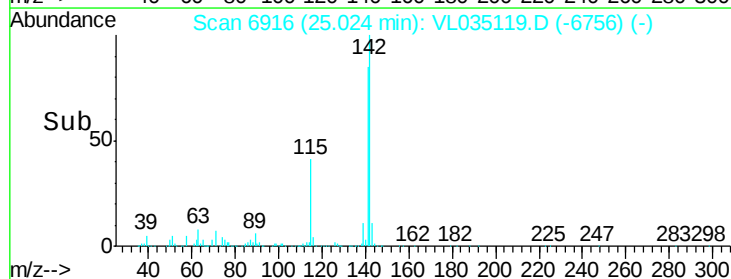
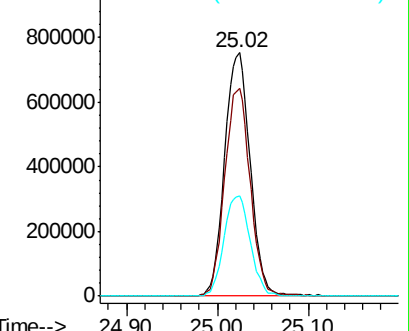
Ion	Ratio	Lower	Upper
142	100		
141	85.7	67.5	101.3
115	42.6	33.8	50.8

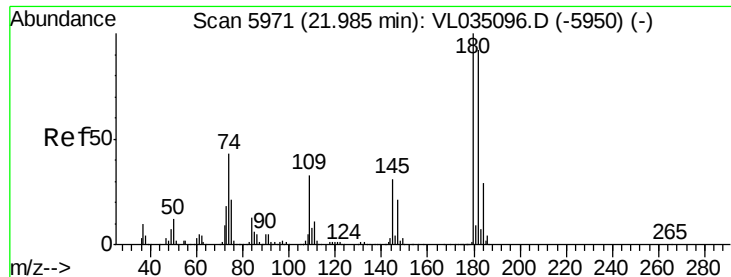


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.590 ppbv

RT: 22.00 min Scan# 5975

Delta R.T. 0.01 min

Lab File: VL035119.D

Acq: 22 Jun 2020 20:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

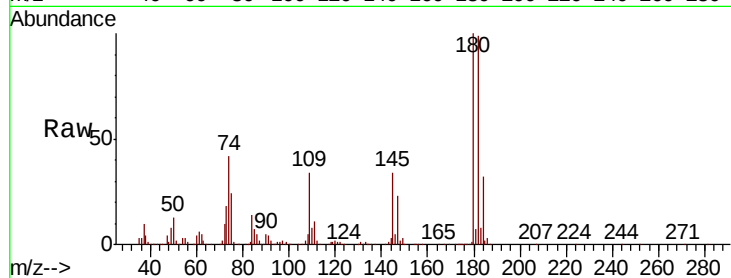
Tot Ion:180 Resp: 2032745

Ion Ratio Lower Upper

180 100

182 97.5 77.9 116.9

184 31.8 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

