

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035190.D
 Acq On : 16 Jul 2020 9:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 17 05:53:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1321443	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3158856	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	3110229	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2386697	9.45	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.99	85	1353068	7.306	ppbv	99
3) Chlorodifluoromethane	2.93	51	1358245	9.305	ppbv	97
4) Chloromethane	3.08	50	783917	9.529	ppbv	97
5) Vinyl Chloride	3.20	62	776630	8.834	ppbv	97
6) Bromomethane	3.42	94	476457	9.550	ppbv	98
7) Chloroethane	3.50	64	292387	9.408	ppbv	96
8) Dichlorotetrafluoroethane	3.13	85	1769718	8.719	ppbv	99
9) Propene	2.95	41	587310	10.647	ppbv	98
10) Heptane	8.10	43	1529034	10.797	ppbv	100
11) Trichlorofluoromethane	3.90	101	1834464	8.772	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.44	101	1318103	8.974	ppbv	98
13) Ethanol	3.55	45	139227	7.927	ppbv	89
14) Bromoethene	3.68	108	599679	9.921	ppbv	98
15) Acetone	3.80	43	1415364	7.911	ppbv	98
16) 1,3-Butadiene	3.27	39	703869	10.250	ppbv	100
17) tert-Butyl alcohol	4.24	59	1630036	10.298	ppbv	100
18) 1,1-Dichloroethene	4.24	96	618940	9.518	ppbv	98
19) Isopropyl Alcohol	3.92	45	1078127	9.989	ppbv	# 96
20) Methylene Chloride	4.30	84	551701	7.087	ppbv	99
21) Allyl Chloride	4.37	41	1036742	9.956	ppbv	98
22) trans-1,2-Dichloroethene	4.84	96	624721	9.622	ppbv	98
23) Vinyl Acetate	5.03	43	2107107	10.881	ppbv	97
24) 1,1-Dichloroethane	4.97	63	1571695	9.451	ppbv	99
25) Ethyl Acetate	5.64	43	2719306	9.795	ppbv	100
26) Hexane	5.65	57	1203565	9.832	ppbv	99
27) Carbon Disulfide	4.50	76	1660825	9.716	ppbv	100
28) Methyl tert-Butyl Ether	4.99	73	1944234	10.425	ppbv	100
29) Chloroform	5.72	83	1881388	9.167	ppbv	96
30) Cyclohexane	7.11	84	1015399	11.211	ppbv	98
31) cis-1,2-Dichloroethene	5.51	61	1229292	10.617	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	1862497	9.055	ppbv	99
34) 2-Butanone	5.21	43	1714829	10.171	ppbv	99
35) Carbon Tetrachloride	7.00	117	1929008	9.407	ppbv	100
36) Benzene	6.87	78	2409021	10.537	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1466309	9.557	ppbv	99
38) Trichloroethene	7.82	130	941654	10.108	ppbv	97
39) 1,2-Dichloropropane	7.59	63	933695	10.269	ppbv	96
40) 1,4-Dioxane	7.81	88	354822	9.803	ppbv	# 1
41) Tetrahydrofuran	6.02	42	956422	11.337	ppbv	100
42) Bromodichloromethane	7.78	83	2035236	9.933	ppbv	97
43) Methyl Methacrylate	8.00	69	1077529	11.149	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4092038	10.369	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1251558	12.326	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1458399	12.116	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	997552	10.024	ppbv	95
48) Dibromochloromethane	10.30	129	1712012	10.573	ppbv	100
49) Bromoform	13.05	173	1519146	10.725	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2547368	10.527	ppbv	99
51) 2-Hexanone	10.13	43	2065568	11.195	ppbv	99
52) Tetrachloroethene	11.22	164	853028	9.990	ppbv	97
53) Toluene	9.80	91	2789538	11.561	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1522169	10.307	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1270751	9.222	ppbv #	92
57) Chlorobenzene	12.15	112	2105269	9.184	ppbv	98
58) Ethyl Benzene	12.71	91	3716059	10.810	ppbv	98
59) m/p-Xylene	13.00	91	6108125m	19.936	ppbv	
60) o-Xylene	13.70	91	3030809	9.915	ppbv	100
61) Styrene	13.54	104	2207726	11.688	ppbv	99
62) Isopropylbenzene	14.68	105	4516539	9.968	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2187989	8.566	ppbv	99
64) n-propylbenzene	15.57	120	1194851	10.208	ppbv	99
65) tert-Butylbenzene	16.76	119	4019781	9.878	ppbv	100
66) Benzyl Chloride	17.01	91	1687716	11.641	ppbv	100
67) sec-Butylbenzene	17.31	105	5722217	9.645	ppbv	99
69) p-Isopropyltoluene	17.67	119	4755801	10.228	ppbv	99
70) n-Butylbenzene	18.57	91	4956904	10.054	ppbv	99
71) 2-Chlorotoluene	15.46	91	3512384	10.245	ppbv	100
72) 4-Ethyltoluene	15.85	105	3632298	10.546	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3430797	10.329	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	3566316	9.716	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2015568	8.671	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2049920	9.489	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	1984623	9.483	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1457716	8.814	ppbv	99
79) Naphthalene	22.23	128	3013044	12.686	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1178640	21.008	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1679031	11.159	ppbv	100

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

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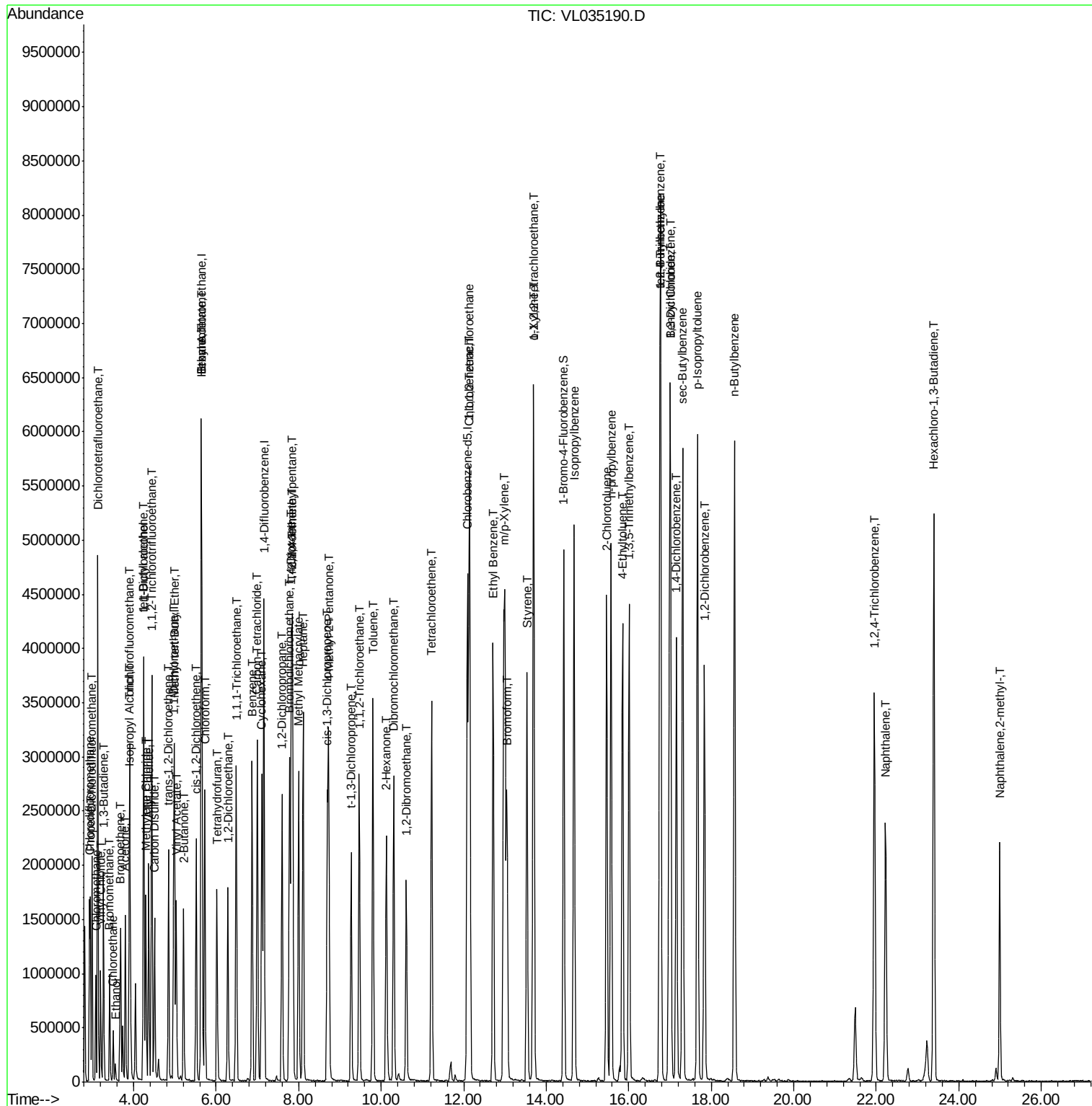
Quant Time: Jul 17 05:53:13 2020

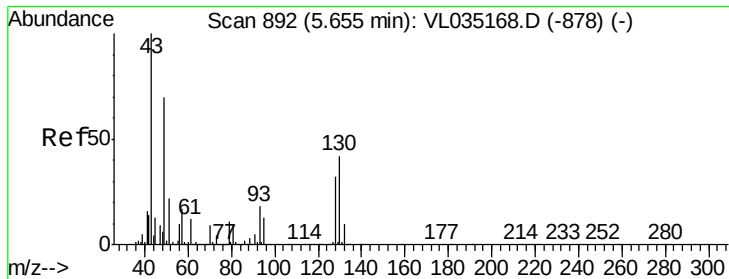
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M

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QLast Update : Wed Jul 08 07:05:23 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

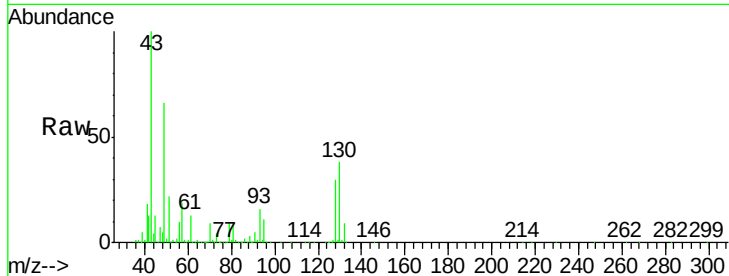
Tot Ion: 49 Resp: 1321443

Ion Ratio Lower Upper

49 100

128 46.8 23.8 71.4

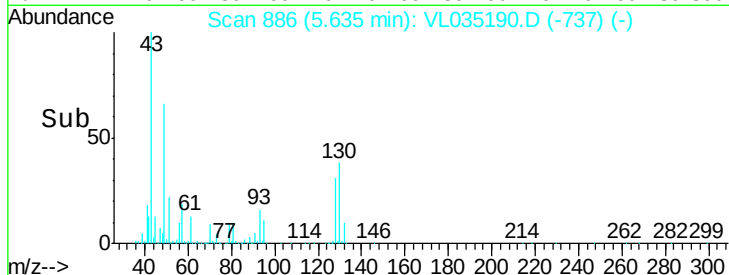
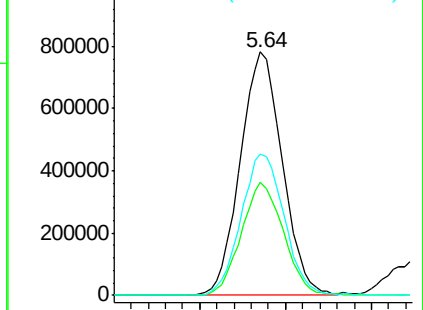
130 60.2 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.306 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL035190.D

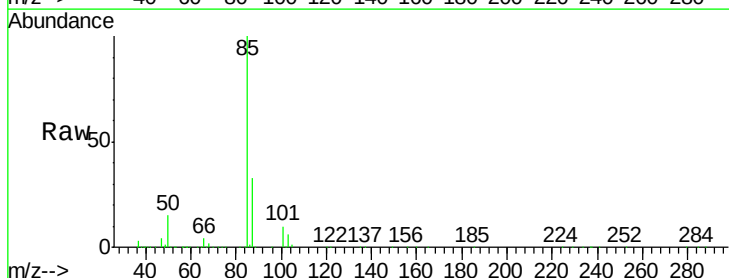
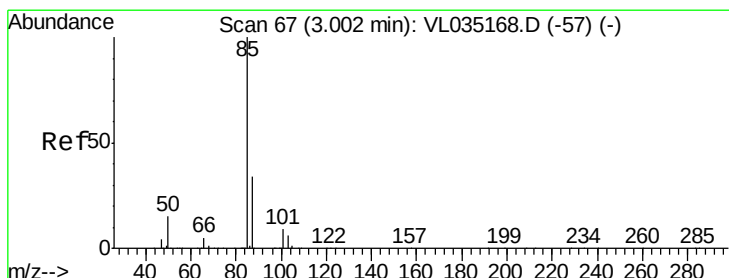
Acq: 16 Jul 2020 9:59

Tgt Ion: 85 Resp: 1353068

Ion Ratio Lower Upper

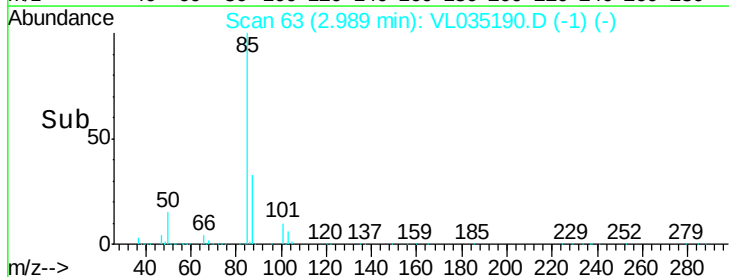
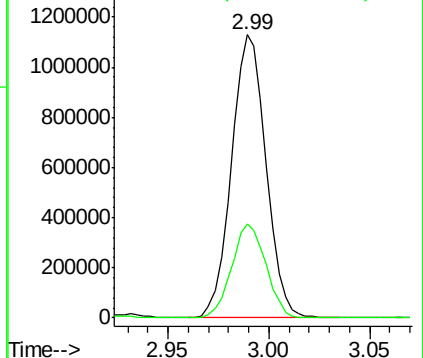
85 100

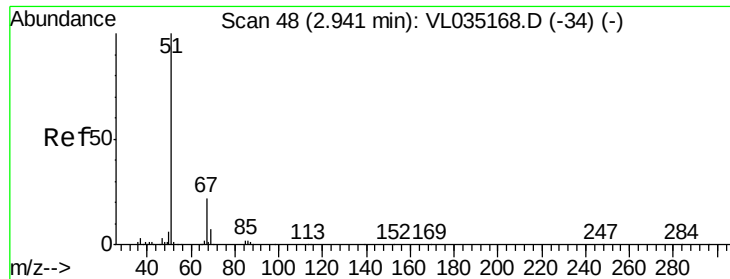
87 33.2 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

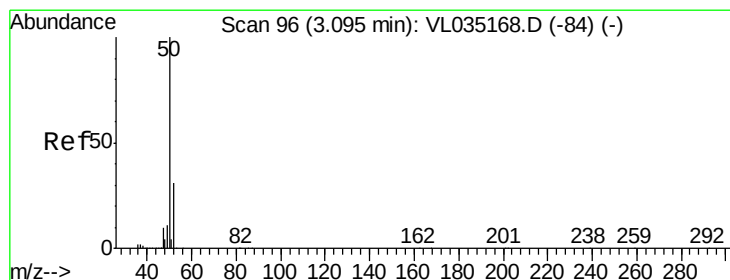
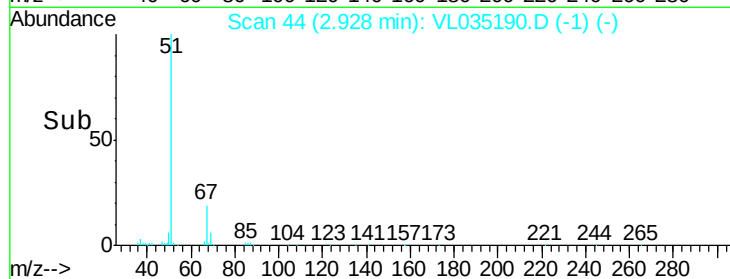
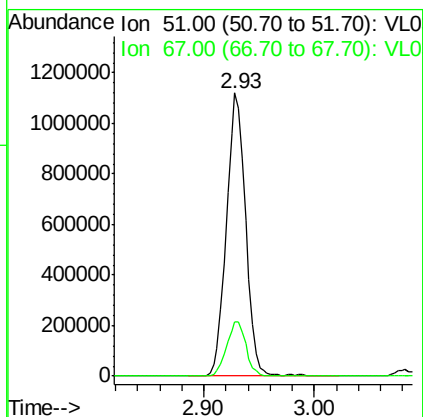
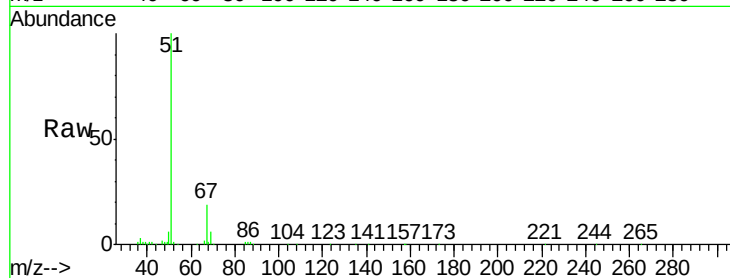




#3
Chlorodifluoromethane
Concen: 9.305 ppbv
RT: 2.93 min Scan# 44
Delta R.T. -0.01 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

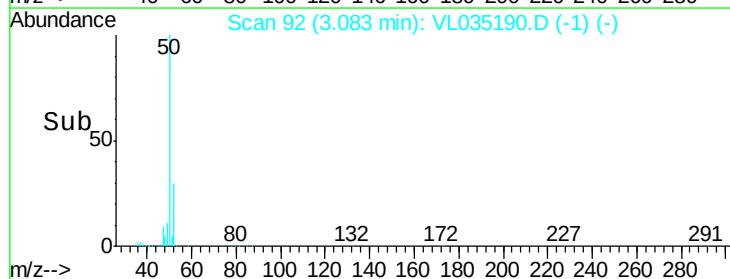
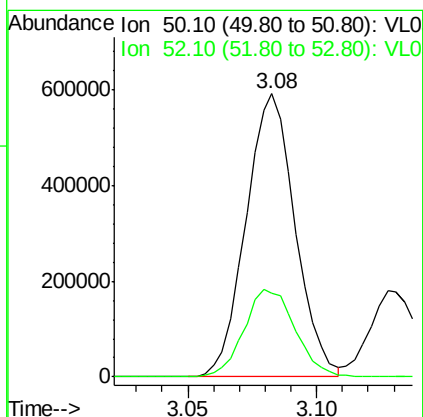
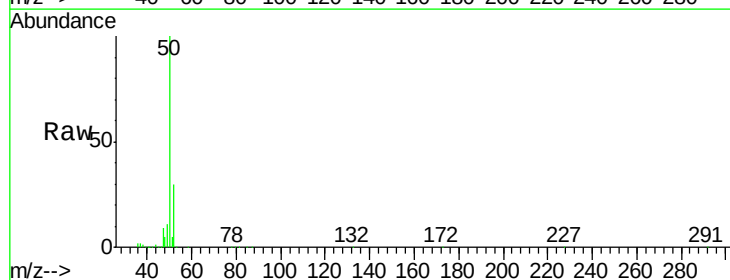
Instrument :
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VSTDCCC010

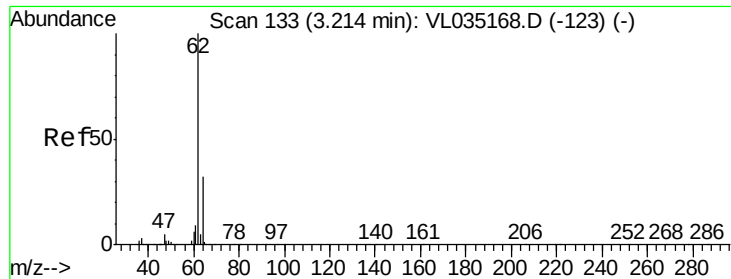
Tot Ion: 51 Resp: 1358245
Ion Ratio Lower Upper
51 100
67 19.3 16.6 24.8



#4
Chloromethane
Concen: 9.529 ppbv
RT: 3.08 min Scan# 92
Delta R.T. -0.01 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion: 50 Resp: 783917
Ion Ratio Lower Upper
50 100
52 29.8 25.0 37.6





#5

Vinyl Chloride

Concen: 8.834 ppbv

RT: 3.20 min Scan# 129

Delta R.T. -0.01 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

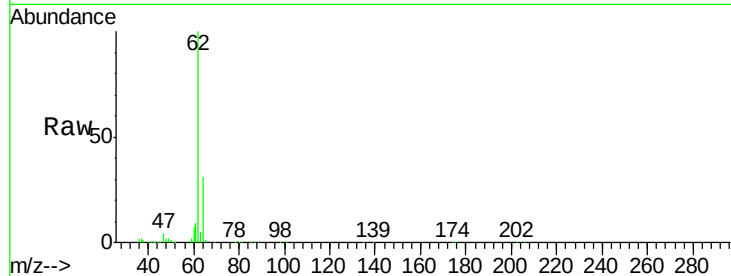
VSTDCCC010

Tot Ion: 62 Resp: 776630

Ion Ratio Lower Upper

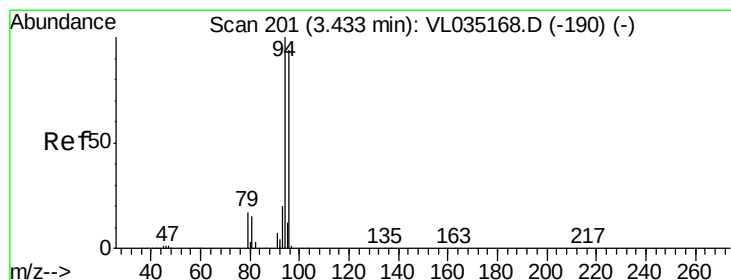
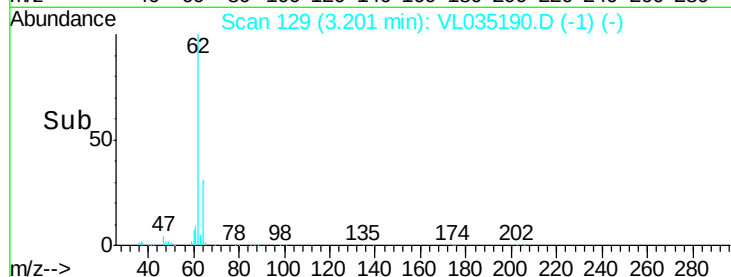
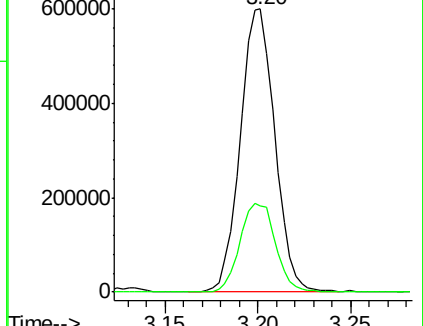
62 100

64 30.7 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.550 ppbv

RT: 3.42 min Scan# 196

Delta R.T. -0.02 min

Lab File: VL035190.D

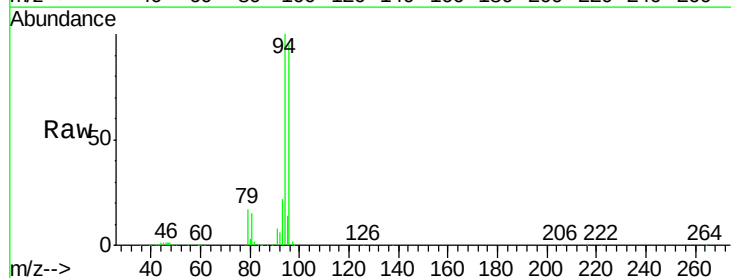
Acq: 16 Jul 2020 9:59

Tgt Ion: 94 Resp: 476457

Ion Ratio Lower Upper

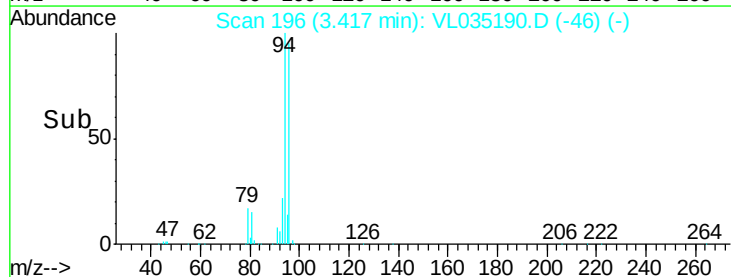
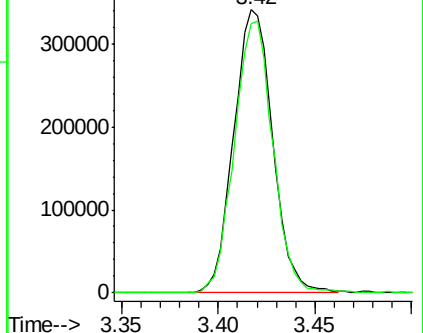
94 100

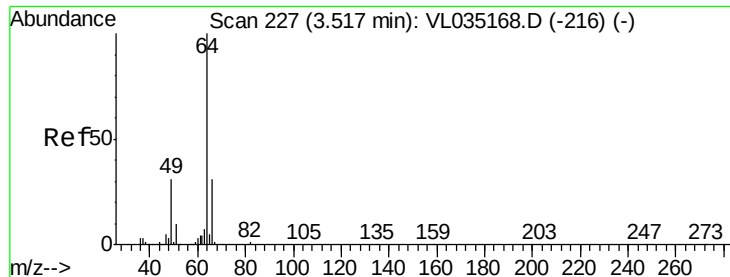
96 95.2 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.408 ppbv

RT: 3.50 min Scan# 223

Delta R.T. -0.01 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

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ClientSampleId :

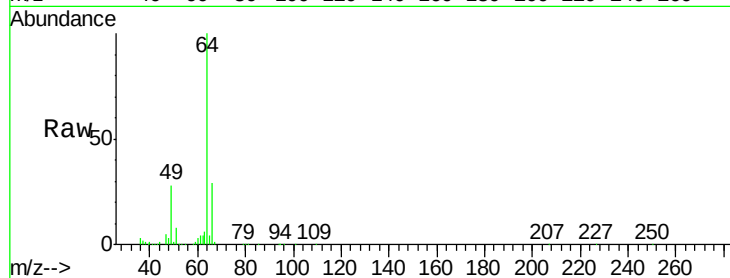
VSTDCCC010

Tot Ion: 64 Resp: 292387

Ion Ratio Lower Upper

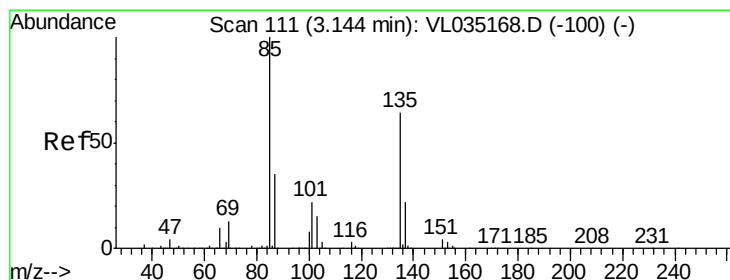
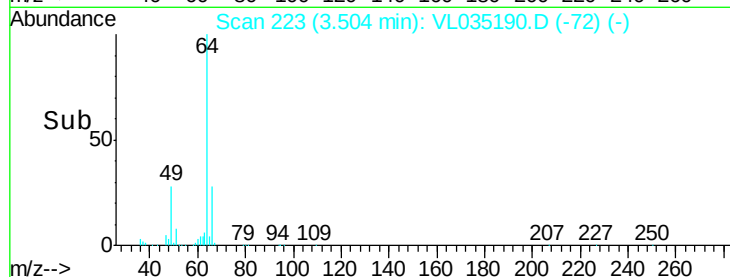
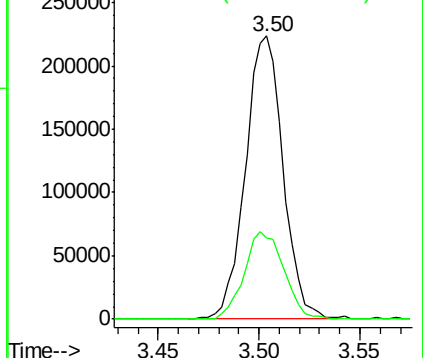
64 100

66 28.6 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.719 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035190.D

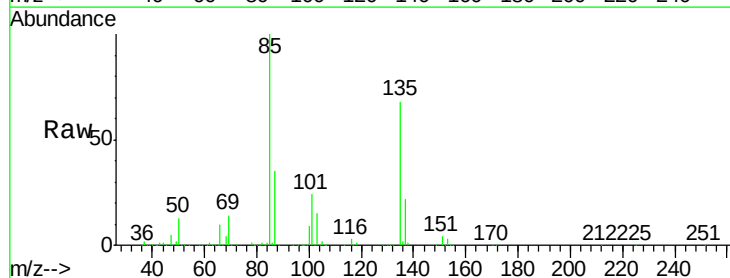
Acq: 16 Jul 2020 9:59

Tgt Ion: 85 Resp: 1769718

Ion Ratio Lower Upper

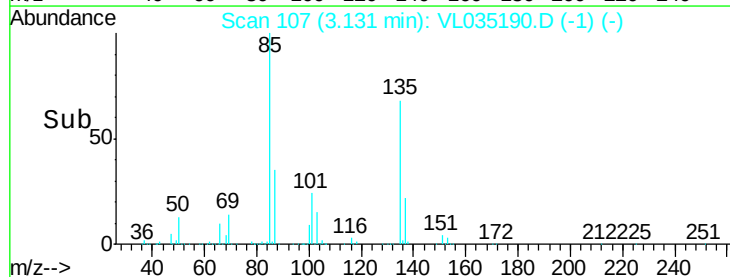
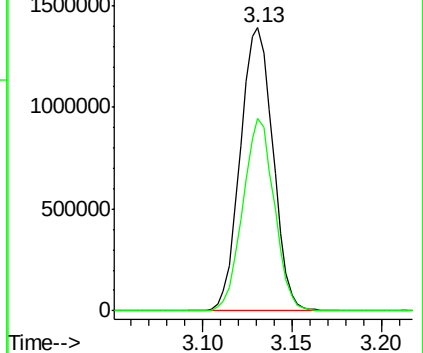
85 100

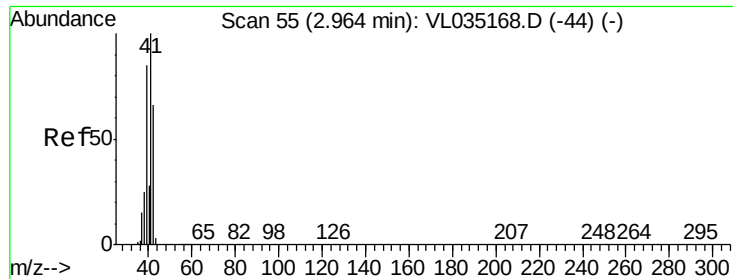
135 65.6 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.647 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.01 min

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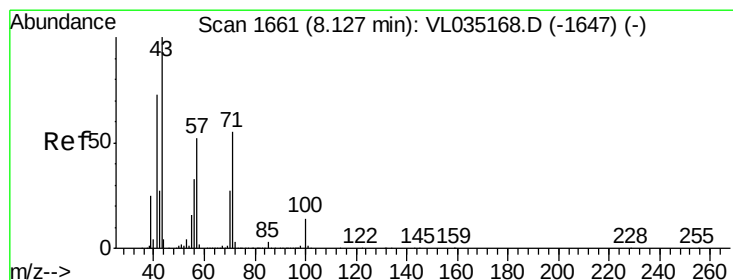
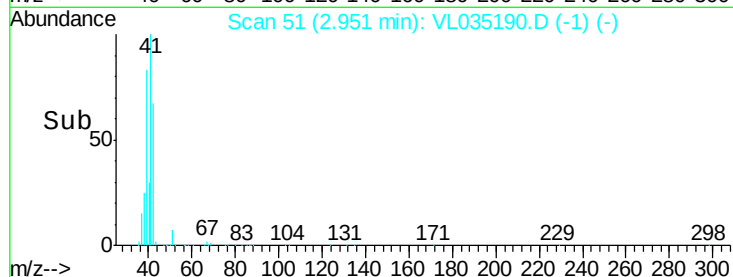
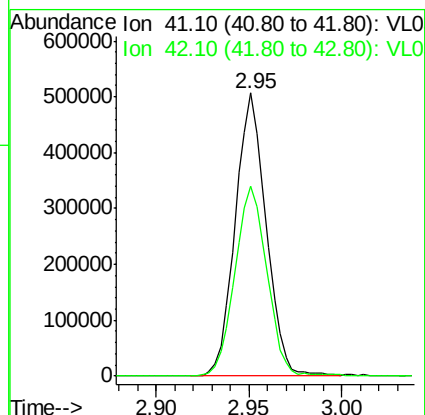
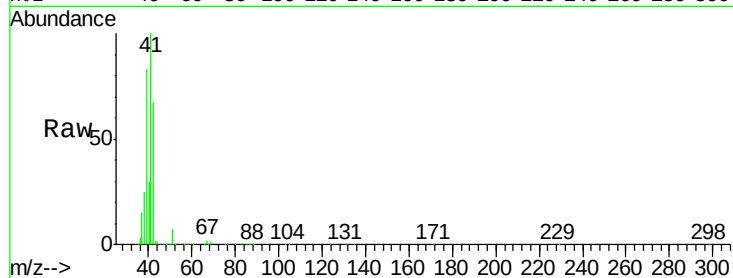
VSTDCCC010

Tot Ion: 41 Resp: 587310

Ion Ratio Lower Upper

41 100

42 69.8 54.6 81.8



#10

Heptane

Concen: 10.797 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL035190.D

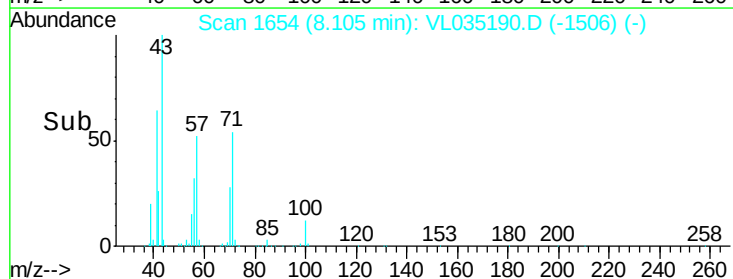
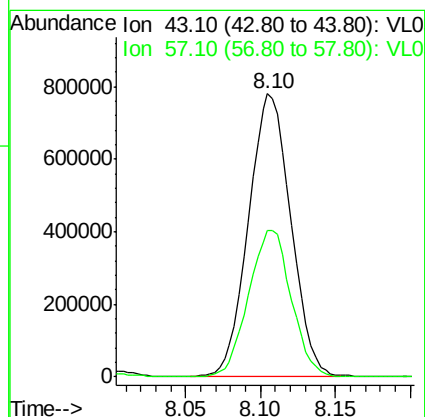
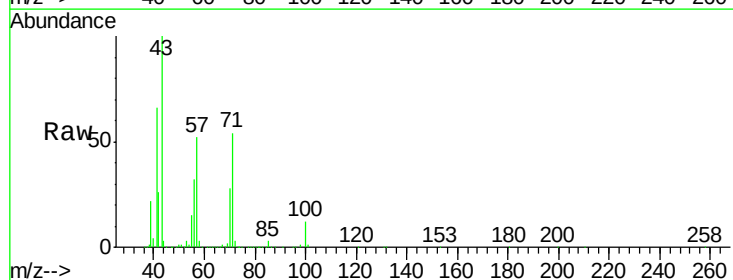
Acq: 16 Jul 2020 9:59

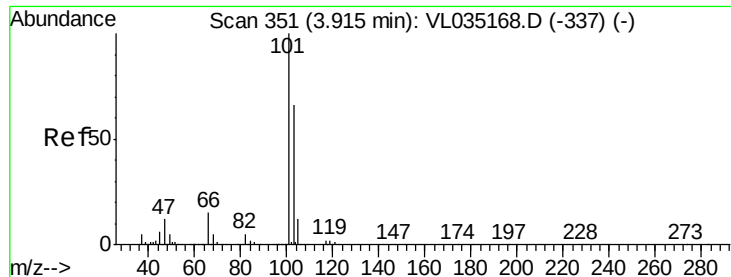
Tgt Ion: 43 Resp: 1529034

Ion Ratio Lower Upper

43 100

57 52.1 41.8 62.6

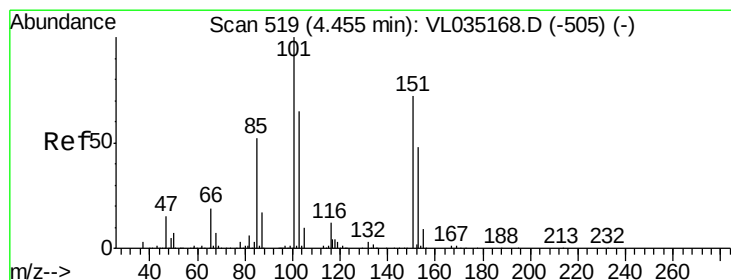
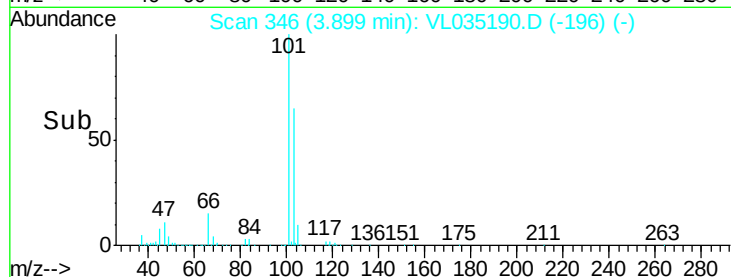
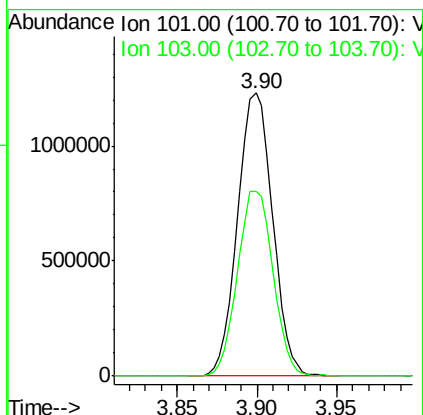
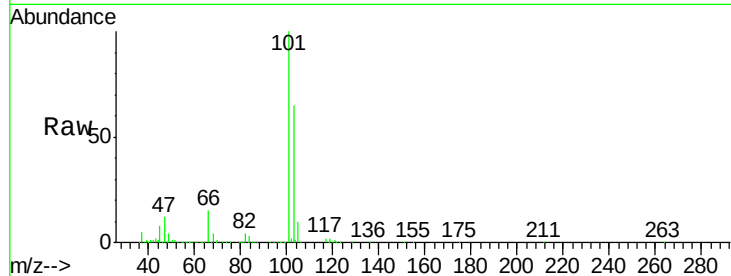




#11
 Trichlorofluoromethane
 Concen: 8.772 ppbv
 RT: 3.90 min Scan# 346
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

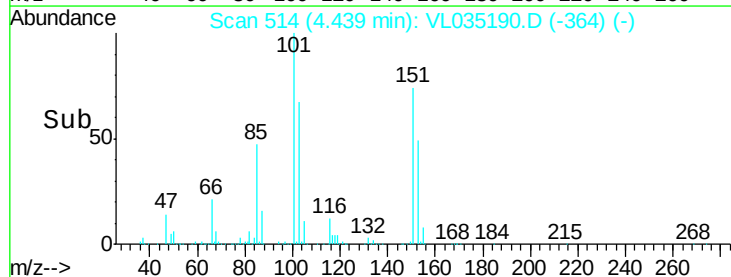
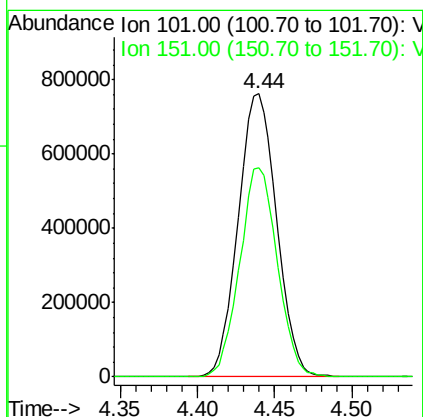
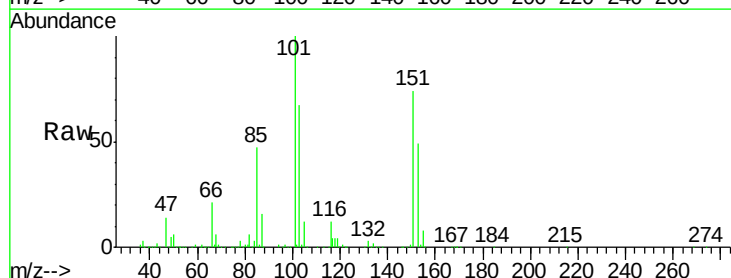
Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

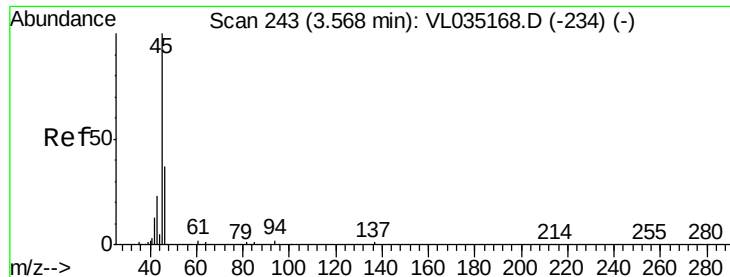
Tot Ion:101 Resp: 1834464
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.974 ppbv
 RT: 4.44 min Scan# 514
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Tgt Ion:101 Resp: 1318103
 Ion Ratio Lower Upper
 101 100
 151 72.5 57.0 85.4





#13

Ethanol

Concen: 7.927 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

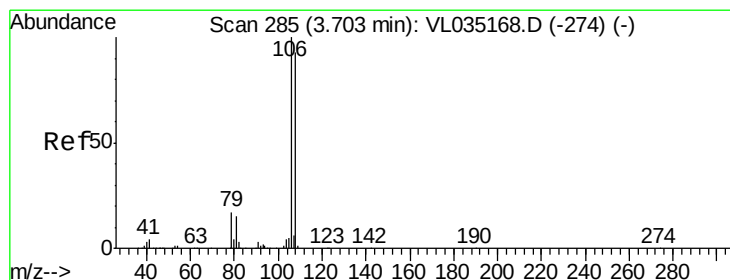
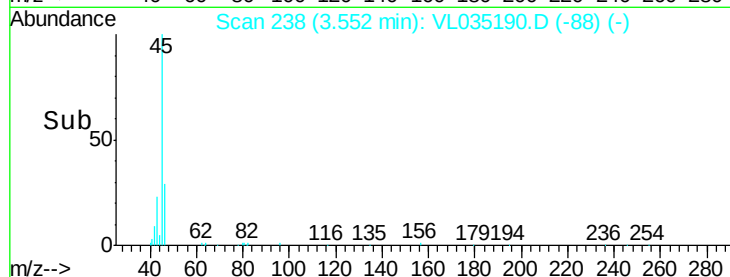
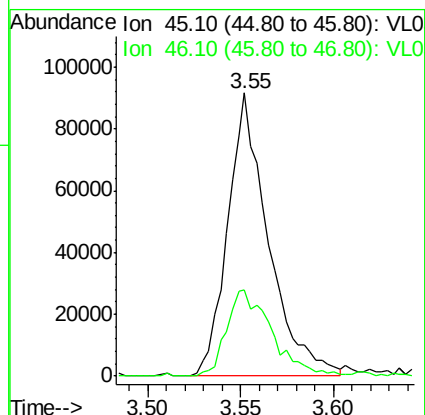
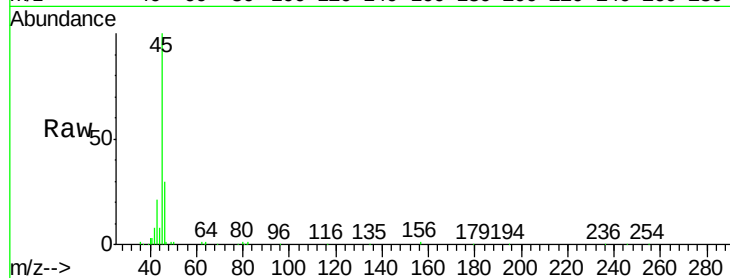
VSTDCCC010

Tot Ion: 45 Resp: 139227

Ion Ratio Lower Upper

45 100

46 33.9 16.2 65.0



#14

Bromoethene

Concen: 9.921 ppbv

RT: 3.68 min Scan# 279

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

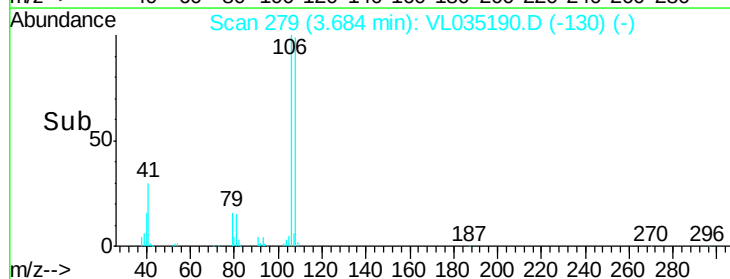
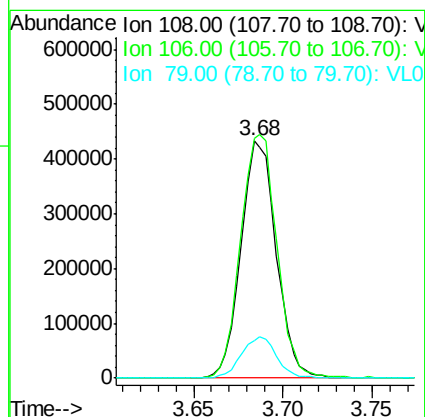
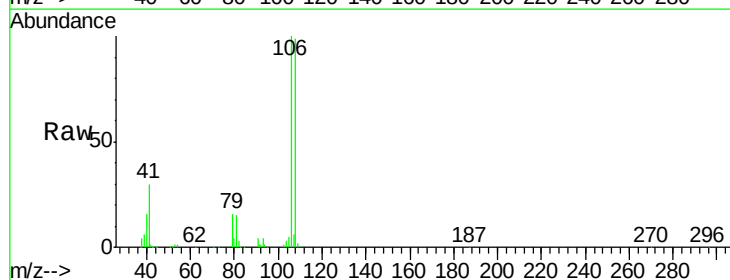
Tgt Ion: 108 Resp: 599679

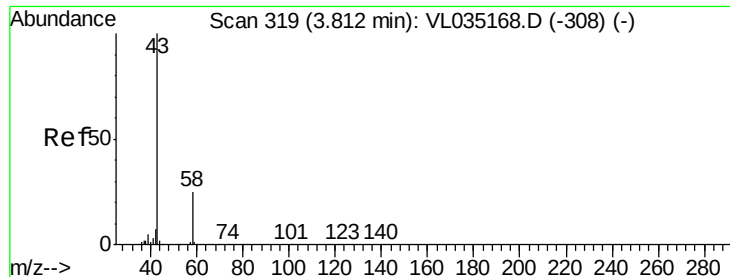
Ion Ratio Lower Upper

108 100

106 105.7 86.2 129.2

79 17.9 15.0 22.6





#15

Acetone

Concen: 7.911 ppbv

RT: 3.80 min Scan# 314

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

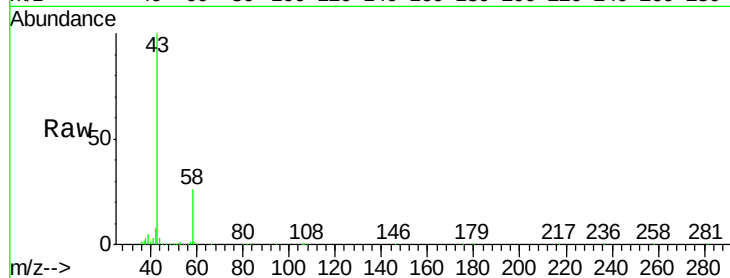
VSTDCCC010

Tot Ion: 43 Resp: 1415364

Ion Ratio Lower Upper

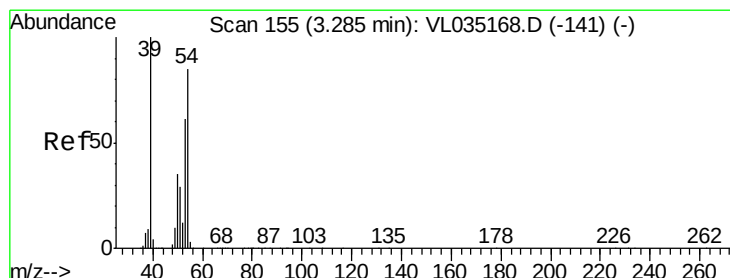
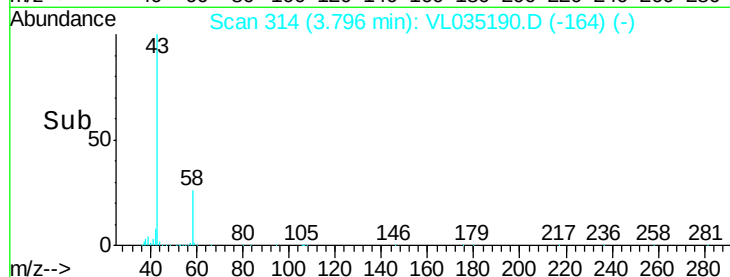
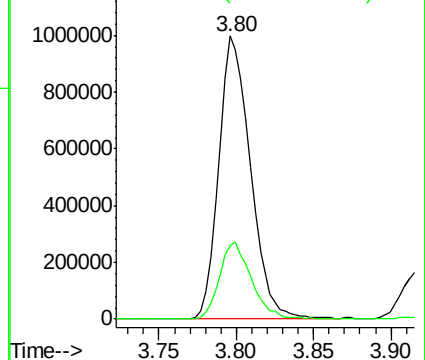
43 100

58 27.6 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.250 ppbv

RT: 3.27 min Scan# 150

Delta R.T. -0.02 min

Lab File: VL035190.D

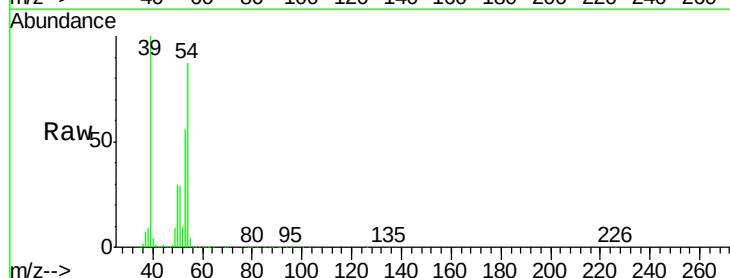
Acq: 16 Jul 2020 9:59

Tgt Ion: 39 Resp: 703869

Ion Ratio Lower Upper

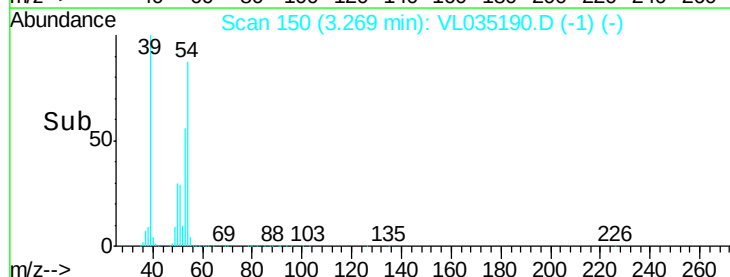
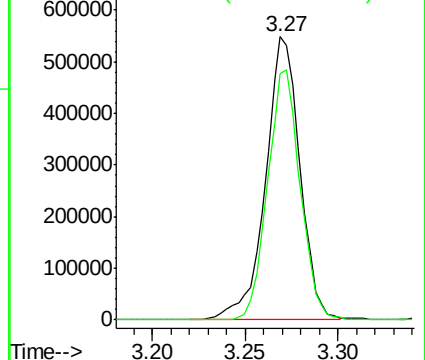
39 100

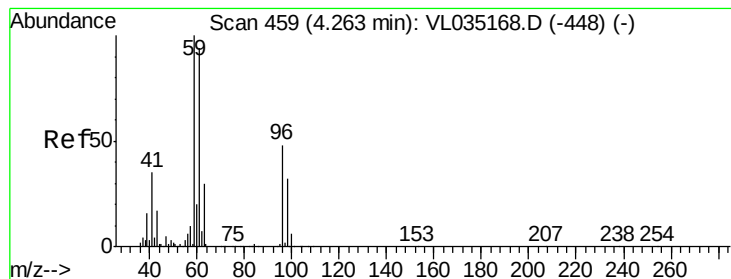
54 84.0 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.298 ppbv

RT: 4.24 min Scan# 452

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

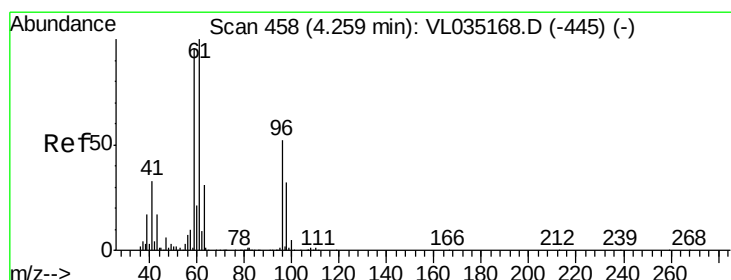
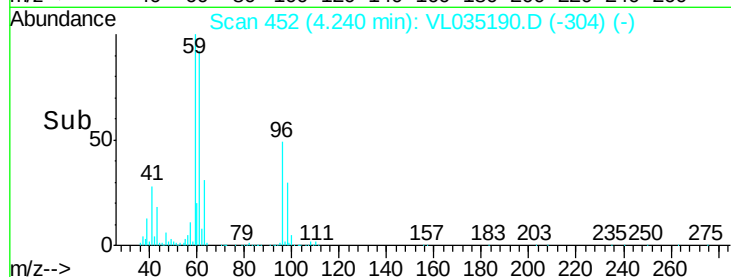
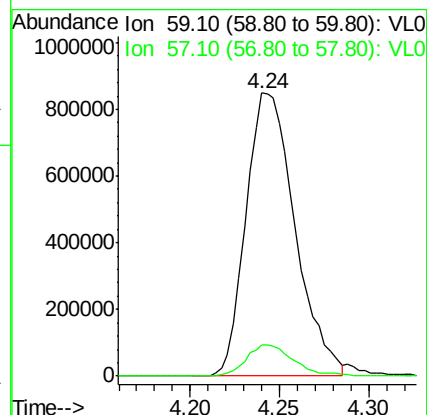
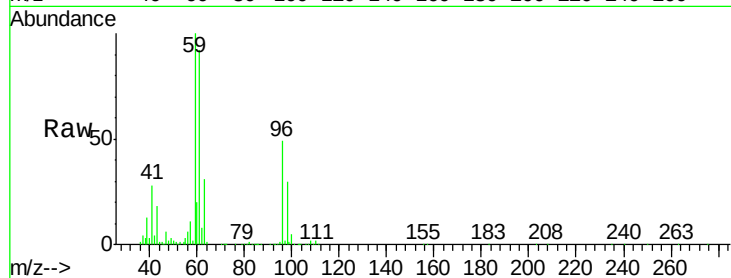
VSTDCCC010

Tot Ion: 59 Resp: 1630036

Ion Ratio Lower Upper

59 100

57 10.7 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.518 ppbv

RT: 4.24 min Scan# 452

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

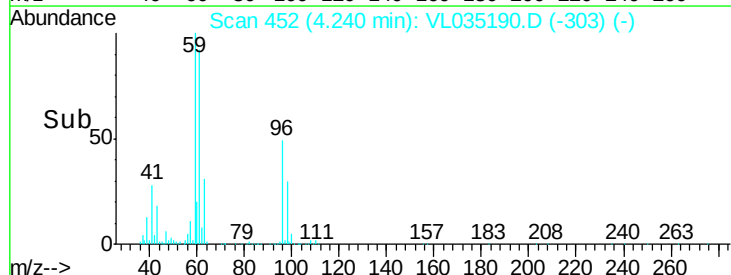
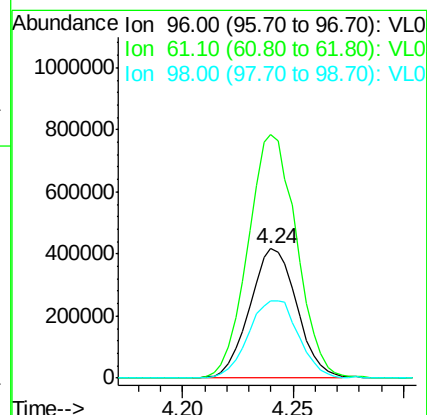
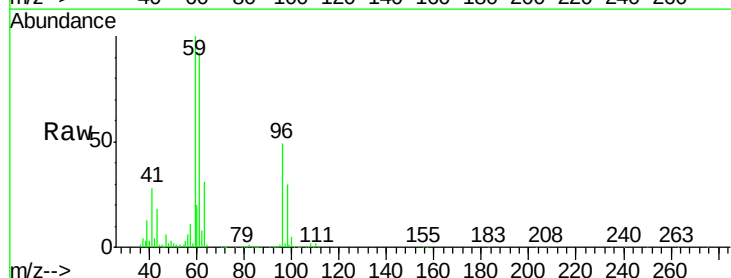
Tgt Ion: 96 Resp: 618940

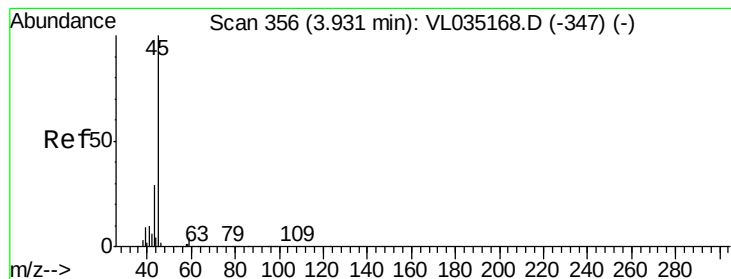
Ion Ratio Lower Upper

96 100

61 187.9 152.9 229.3

98 60.1 48.7 73.1





#19

Isopropyl Alcohol

Concen: 9.989 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

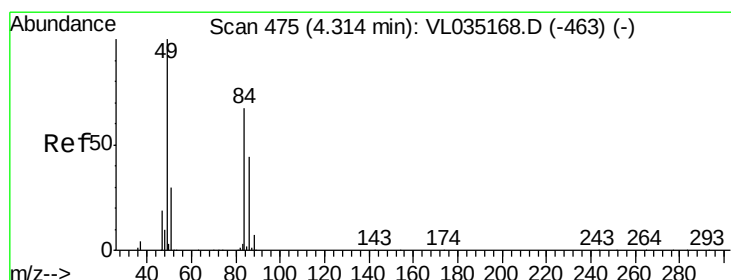
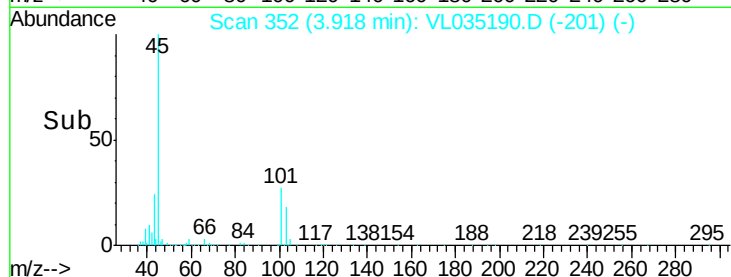
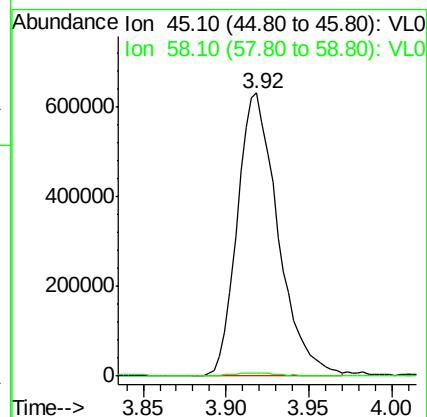
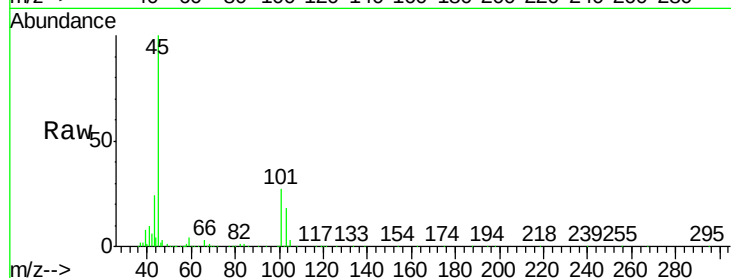
VSTDCCC010

Tot Ion: 45 Resp: 1078127

Ion Ratio Lower Upper

45 100

58 1.3 2.1 3.1#



#20

Methylene Chloride

Concen: 7.087 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Tgt Ion: 84 Resp: 551701

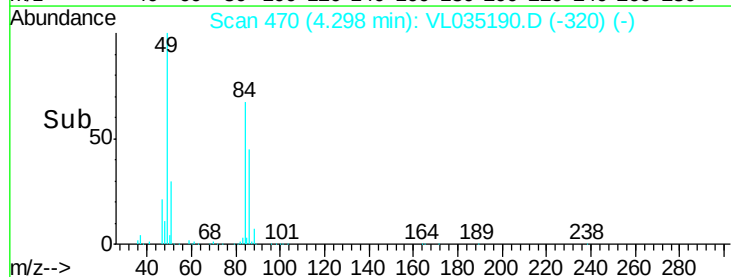
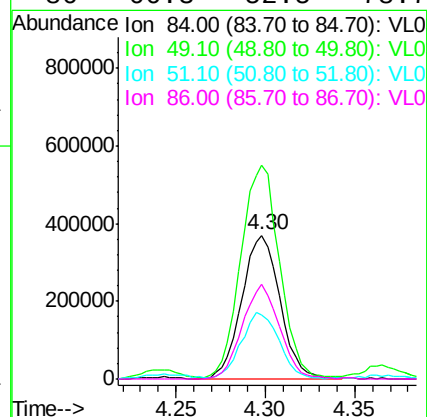
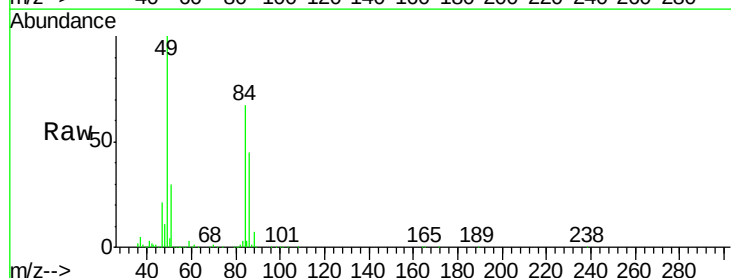
Ion Ratio Lower Upper

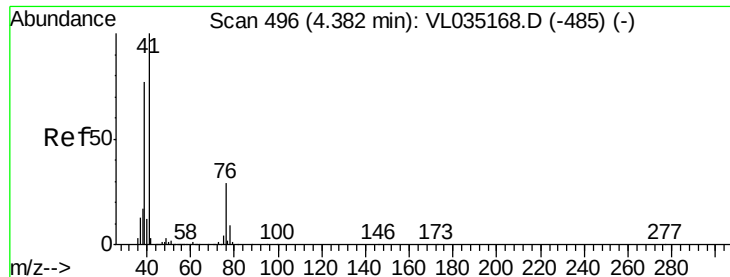
84 100

49 147.6 119.4 179.0

51 44.3 36.6 55.0

86 66.3 52.5 78.7





#21

Allvl Chloride

Concen: 9.956 ppbv

RT: 4.37 min Scan# 492

Delta R.T. -0.01 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

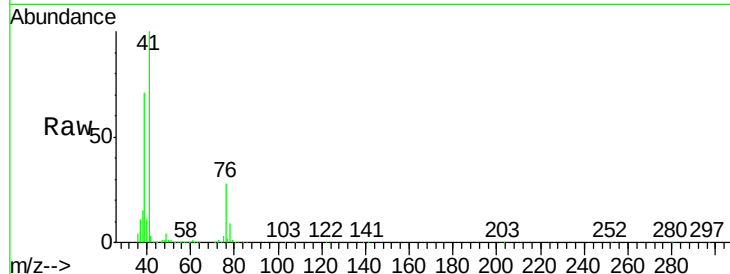
Tot Ion: 41 Resp: 1036742

Ion Ratio Lower Upper

41 100

76 29.2 23.5 35.3

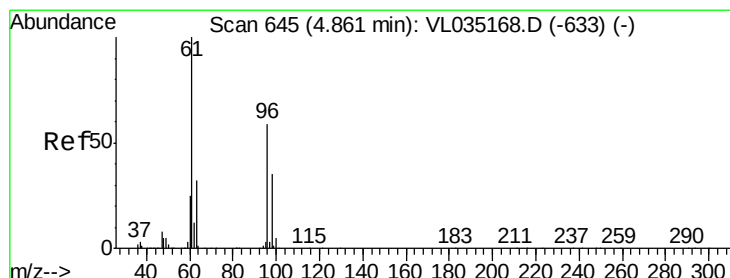
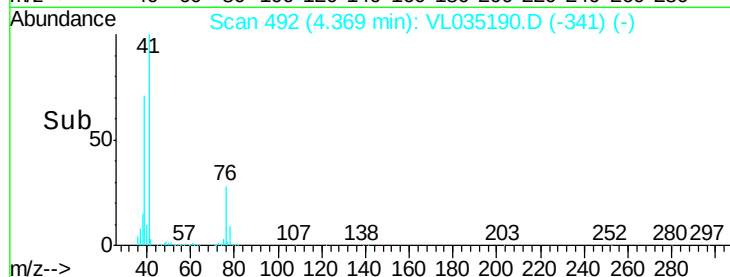
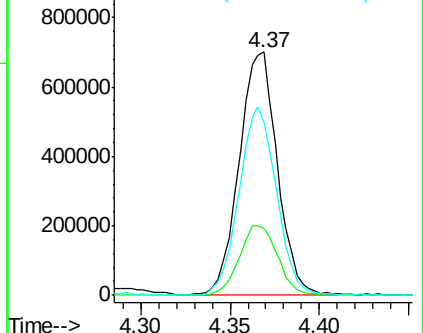
39 76.5 63.4 95.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.622 ppbv

RT: 4.84 min Scan# 640

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

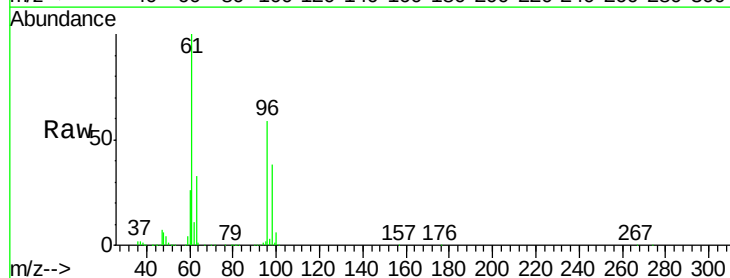
Tgt Ion: 96 Resp: 624721

Ion Ratio Lower Upper

96 100

61 169.4 136.5 204.7

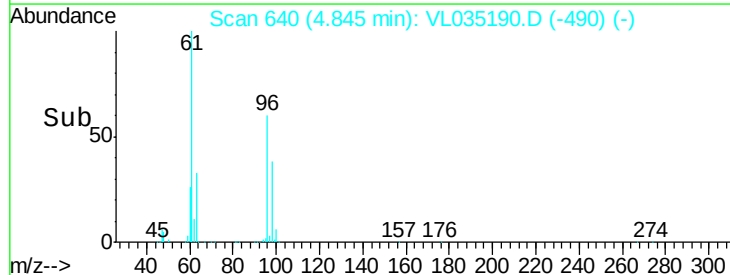
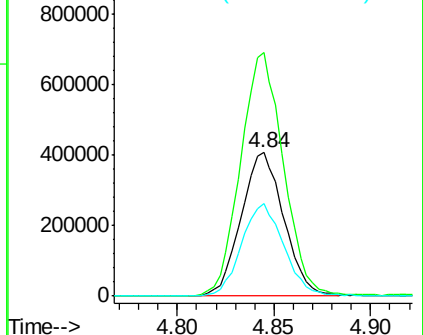
98 64.3 47.5 71.3

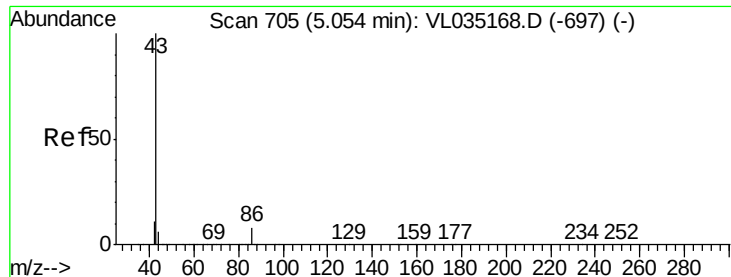


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.881 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

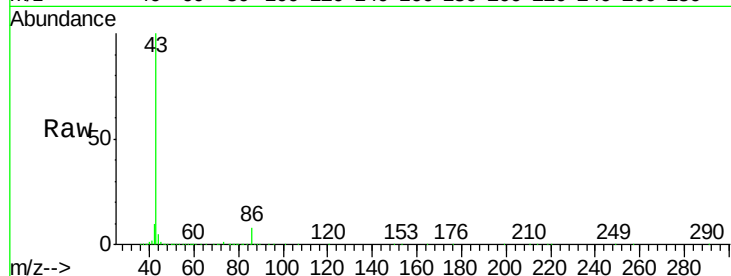
MSVOA_L

ClientSampleId :

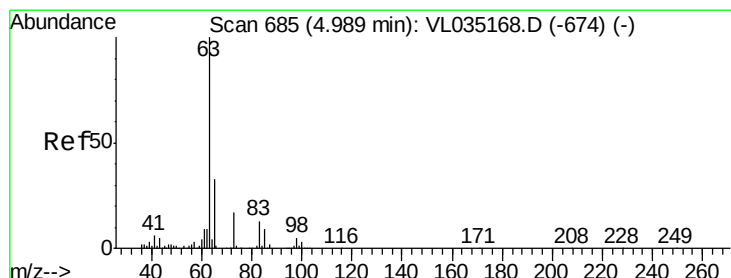
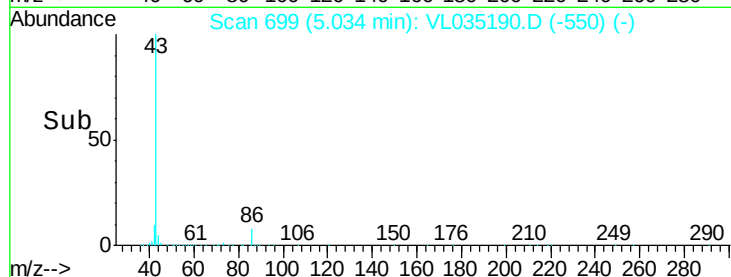
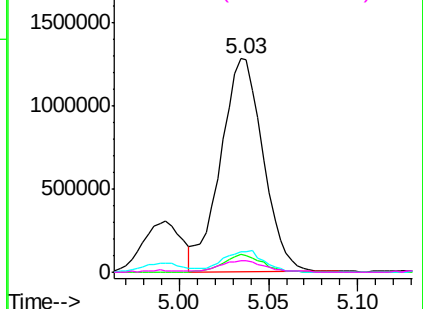
VSTDCCC010

Tot Ion: 43 Resp: 2107107

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.2
42	9.7	9.1	13.7
44	5.3	4.6	6.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.451 ppbv

RT: 4.97 min Scan# 679

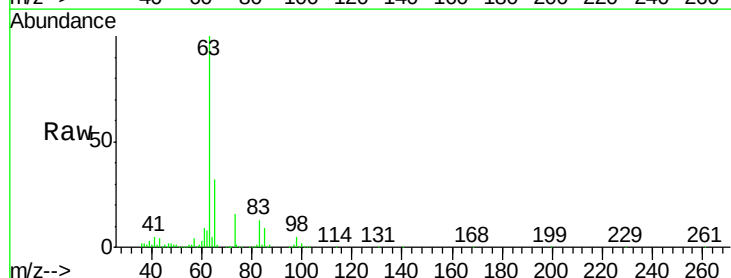
Delta R.T. -0.02 min

Lab File: VL035190.D

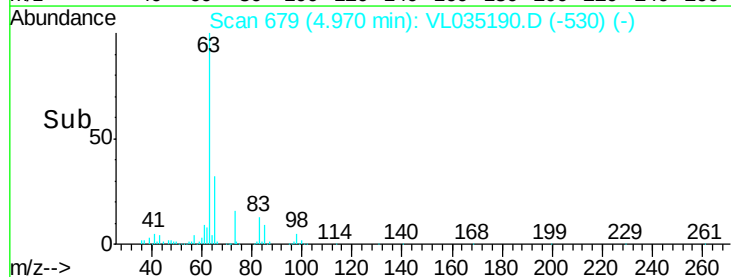
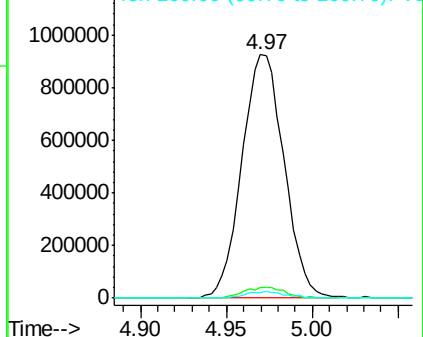
Acq: 16 Jul 2020 9:59

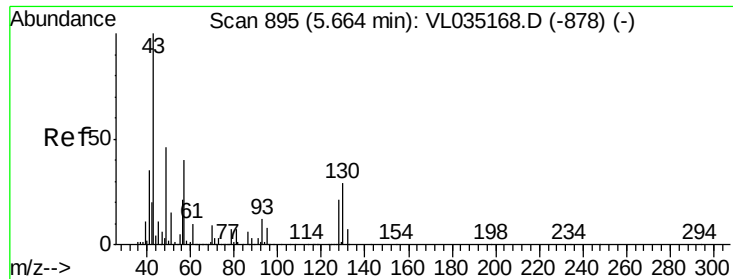
Tgt Ion: 63 Resp: 1571695

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.1
100	2.5	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



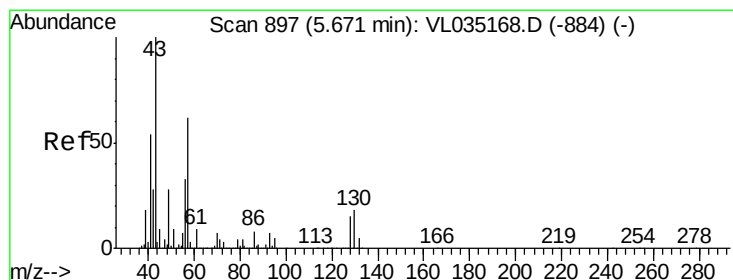
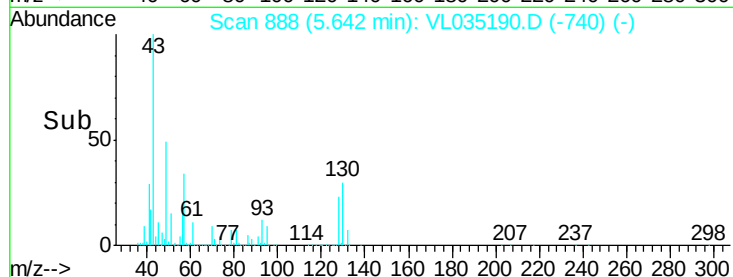
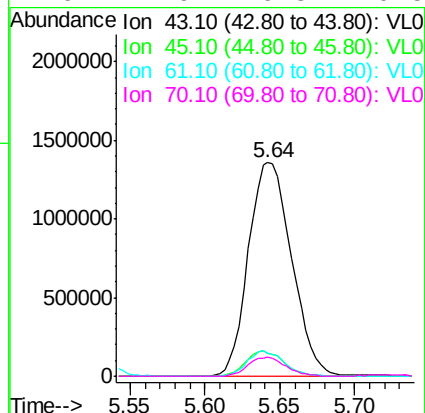
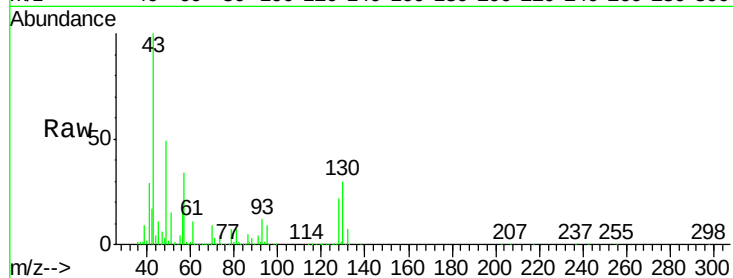


#25
Ethyl Acetate
Concen: 9.795 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2719306

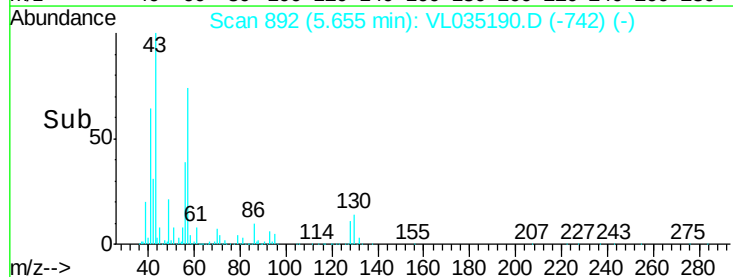
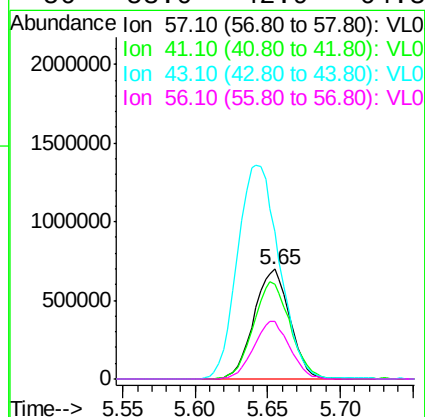
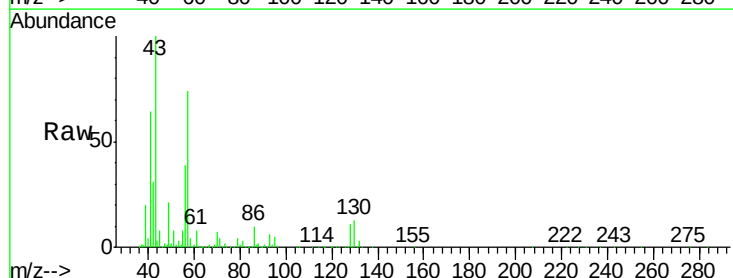
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	10.4	8.1	12.1
70	7.9	6.3	9.5

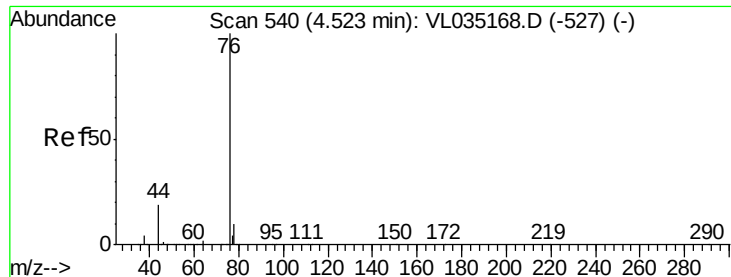


#26
Hexane
Concen: 9.832 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion: 57 Resp: 1203565

Ion	Ratio	Lower	Upper
57	100		
41	91.3	72.9	109.3
43	227.3	179.5	269.3
56	53.0	42.9	64.3





#27

Carbon Disulfide

Concen: 9.716 ppbv

RT: 4.50 min Scan# 534

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

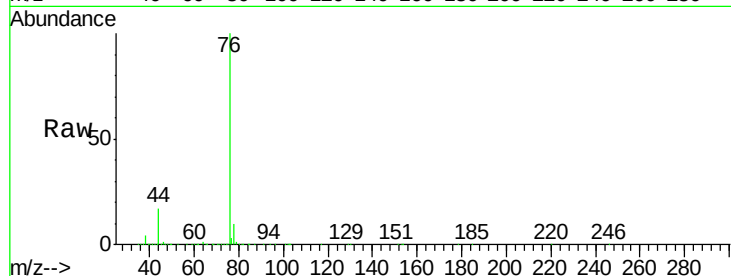
Tot Ion: 76 Resp: 1660825

Ion Ratio Lower Upper

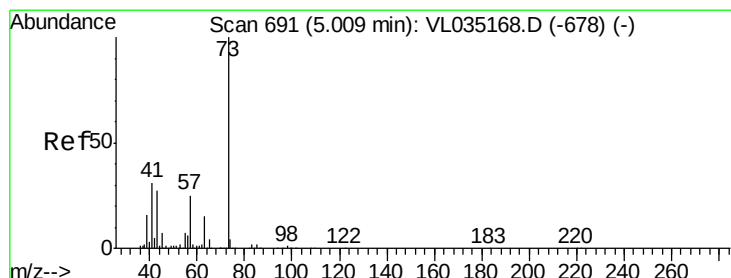
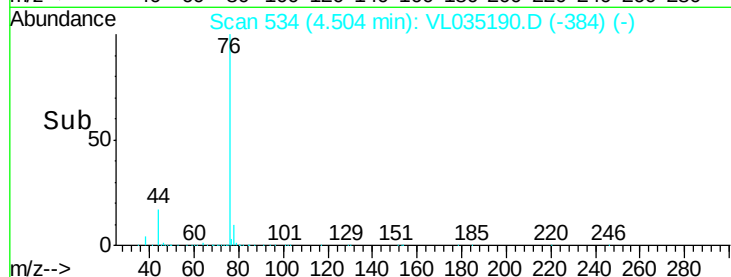
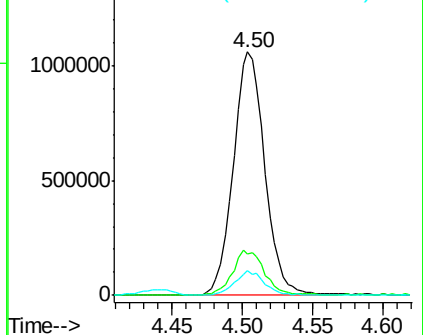
76 100

44 18.6 14.9 22.3

78 9.5 7.5 11.3



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



#28

Methyl tert-Butyl Ether

Concen: 10.425 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL035190.D

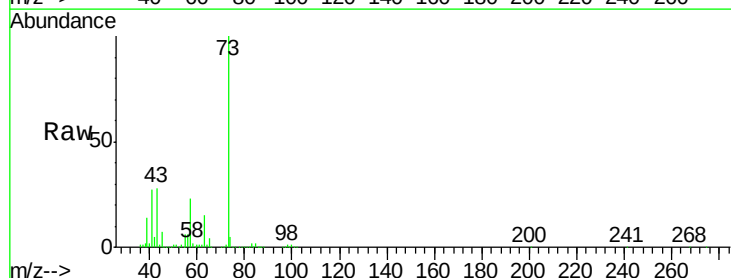
Acq: 16 Jul 2020 9:59

Tgt Ion: 73 Resp: 1944234

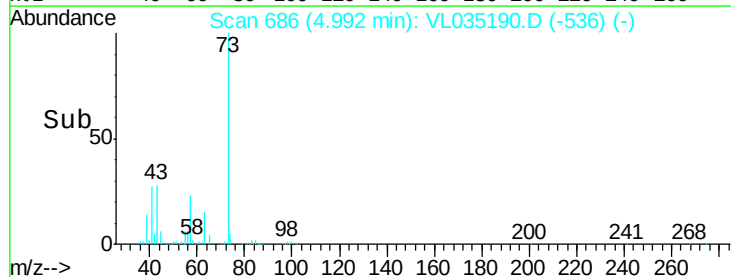
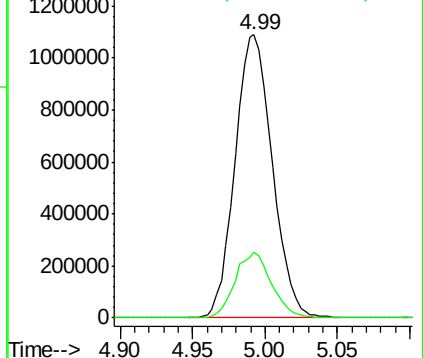
Ion Ratio Lower Upper

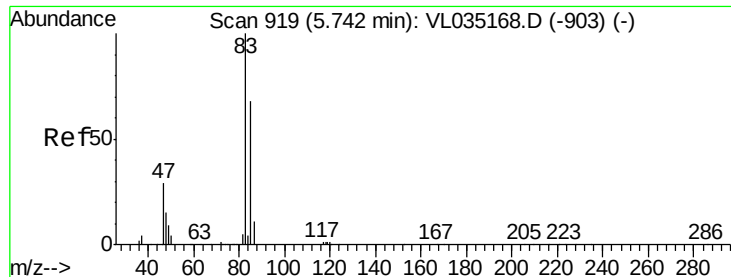
73 100

57 22.8 18.1 27.1



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

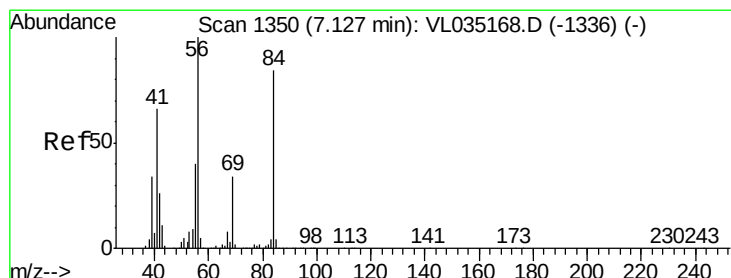
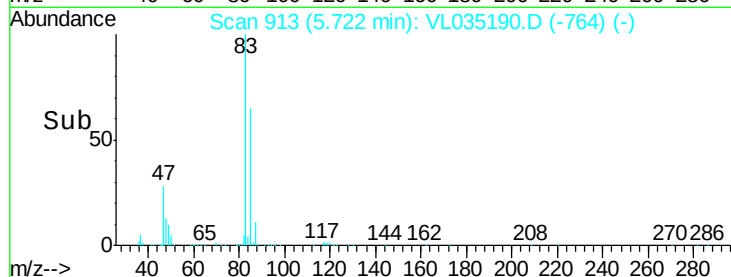
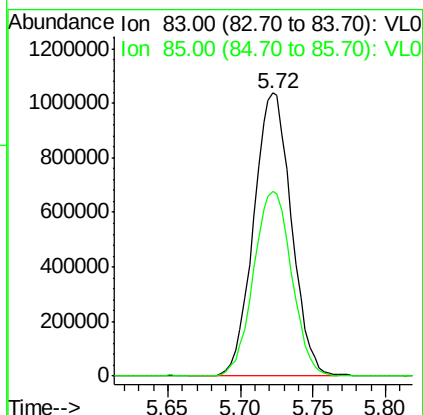
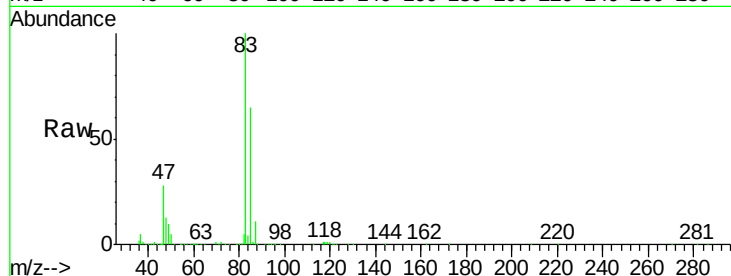




#29
Chloroform
Concen: 9.167 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

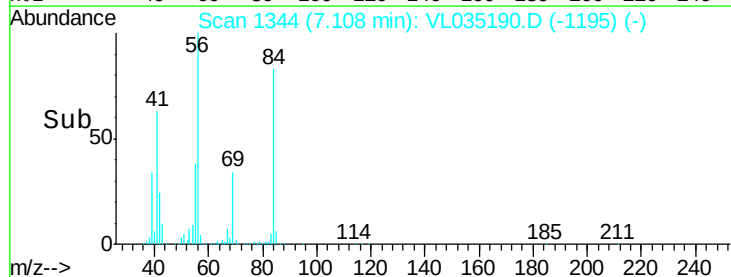
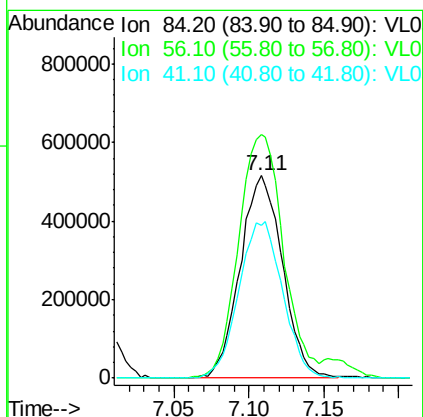
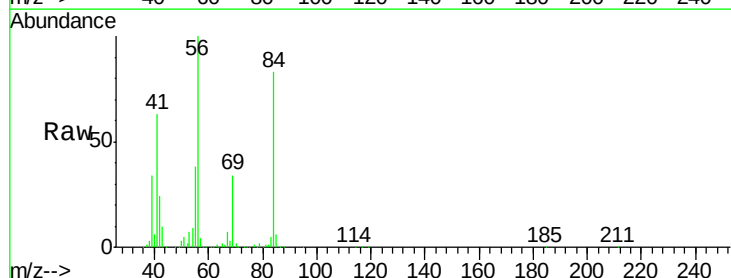
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

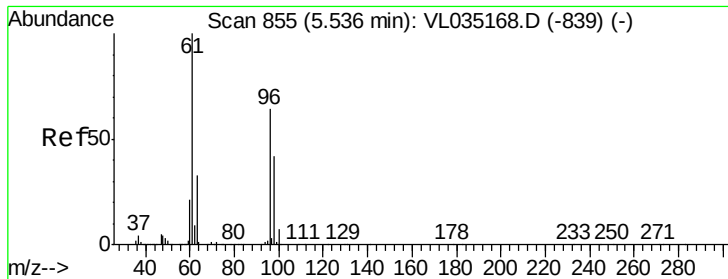
Tot Ion: 83 Resp: 1881388
Ion Ratio Lower Upper
83 100
85 65.0 54.3 81.5



#30
Cyclohexane
Concen: 11.211 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion: 84 Resp: 1015399
Ion Ratio Lower Upper
84 100
56 134.2 105.6 158.4
41 79.9 64.9 97.3



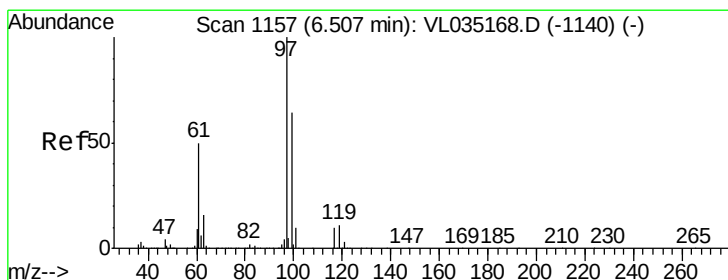
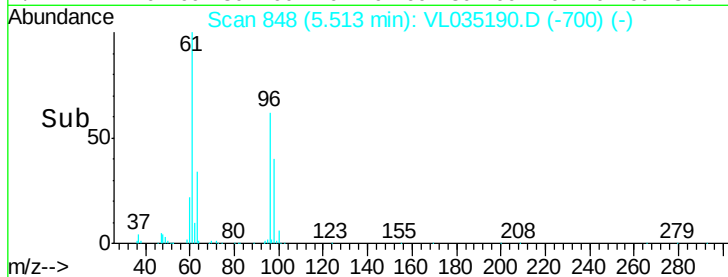
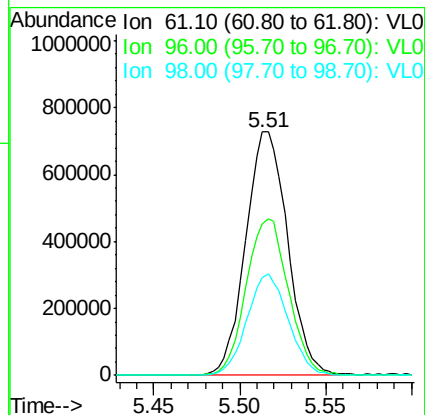
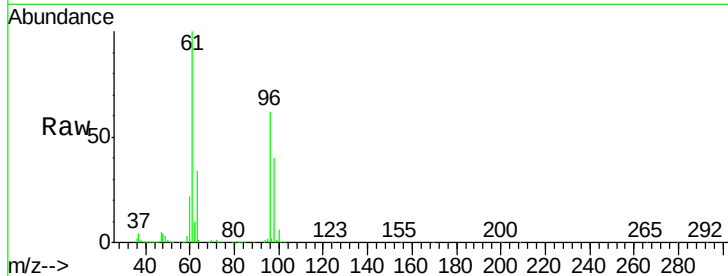


#31

cis-1,2-Dichloroethene
 Concen: 10.617 ppbv
 RT: 5.51 min Scan# 848
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

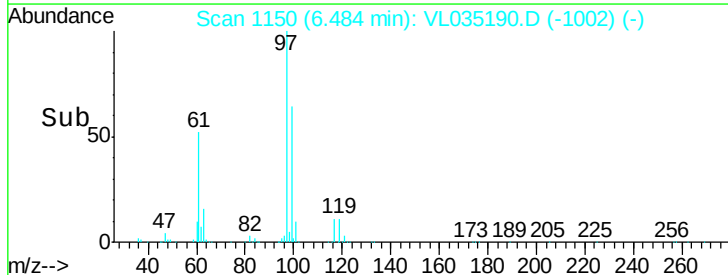
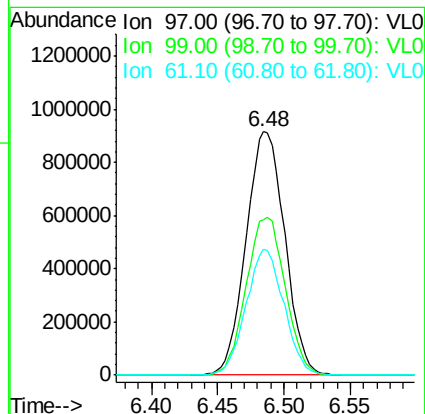
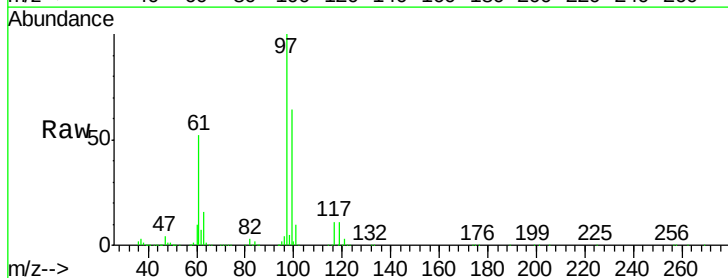
Tot Ion: 61 Resp: 1229292
 Ion Ratio Lower Upper
 61 100
 96 62.1 51.3 76.9
 98 40.4 33.8 50.8

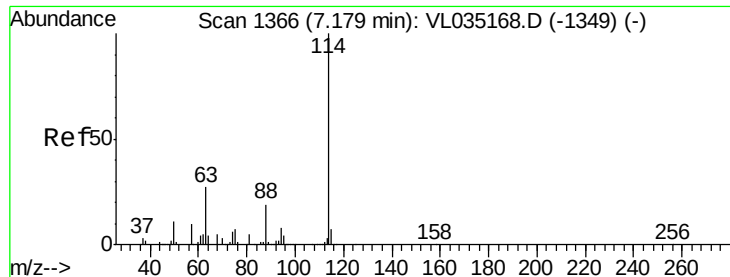


#32

1,1,1-Trichloroethane
 Concen: 9.055 ppbv
 RT: 6.48 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Tgt Ion: 97 Resp: 1862497
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.2 76.8
 61 50.5 40.9 61.3

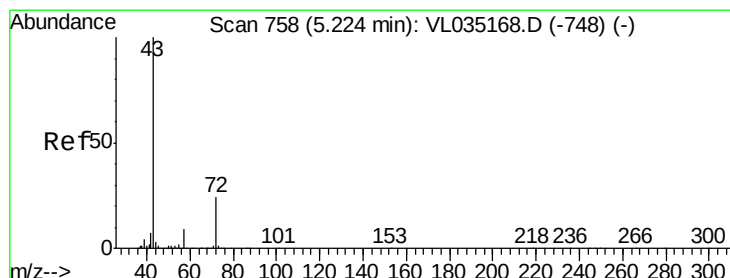
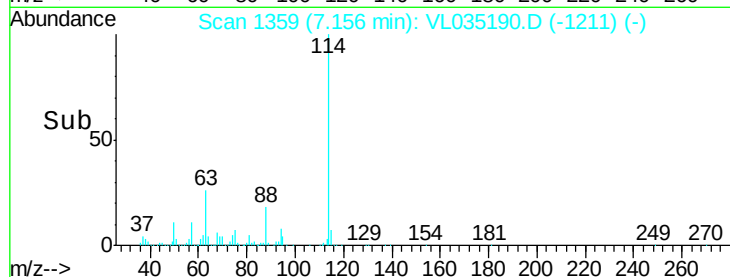
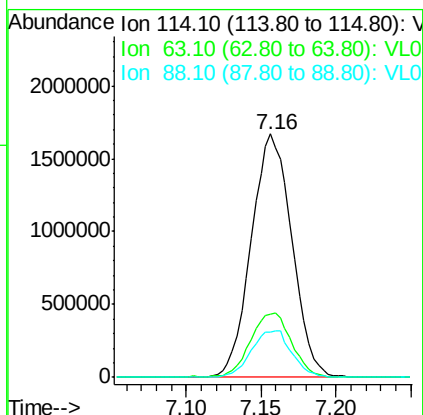
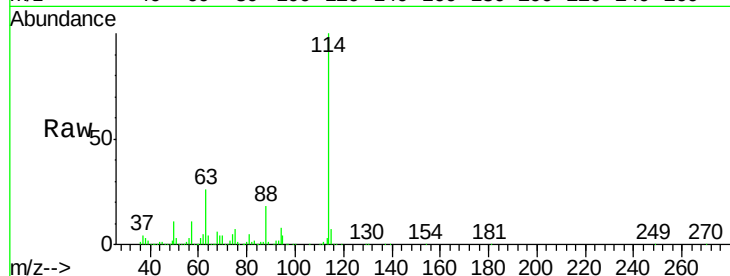




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

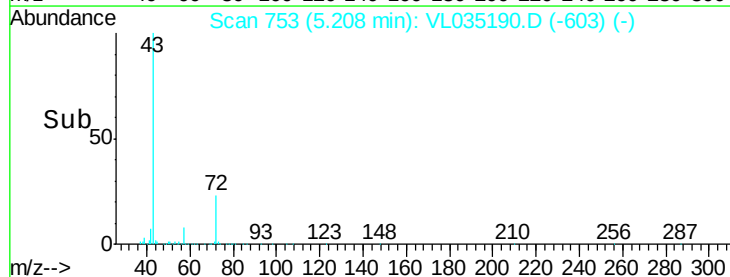
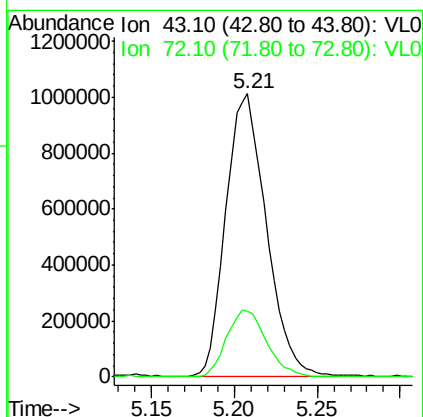
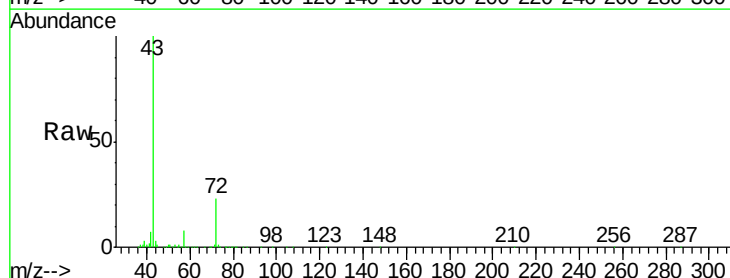
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

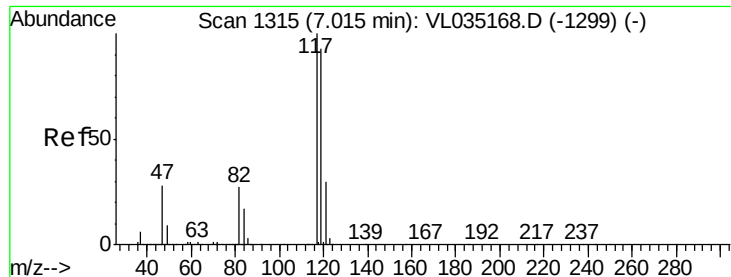
Tot Ion:114 Resp: 3158856
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.0 33.0
 88 19.2 15.4 23.0



#34
 2-Butanone
 Concen: 10.171 ppbv
 RT: 5.21 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Tgt Ion: 43 Resp: 1714829
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.6 28.0





#35

Carbon Tetrachloride

Concen: 9.407 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

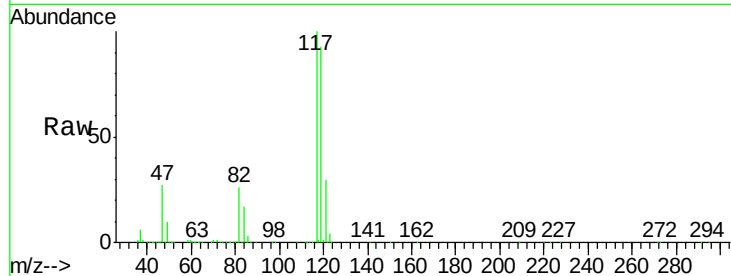
Tot Ion:117 Resp: 1929008

Ion Ratio Lower Upper

117 100

119 93.1 74.8 112.2

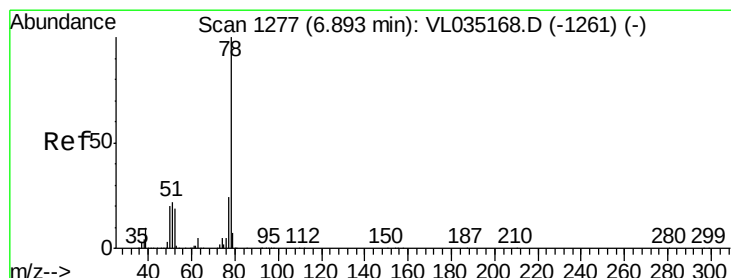
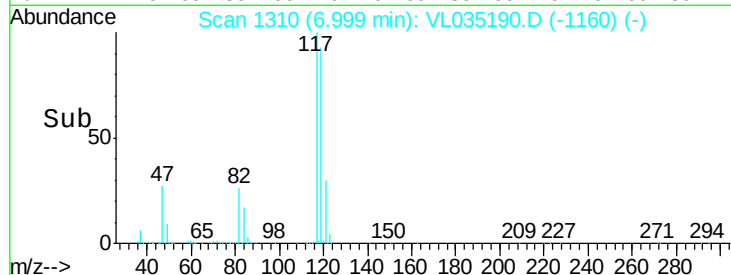
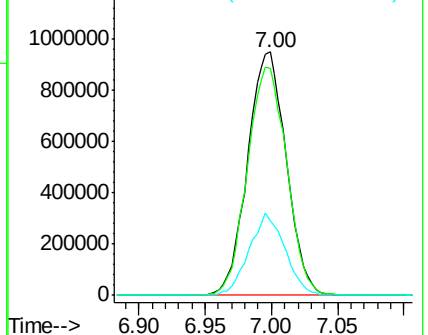
121 30.5 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.537 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

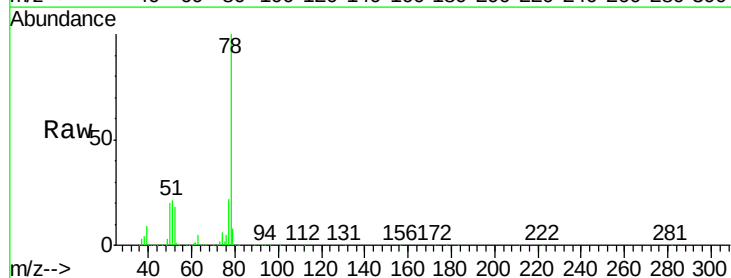
Tgt Ion: 78 Resp: 2409021

Ion Ratio Lower Upper

78 100

77 22.4 19.3 28.9

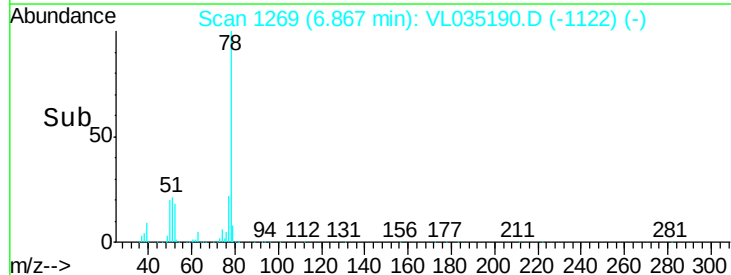
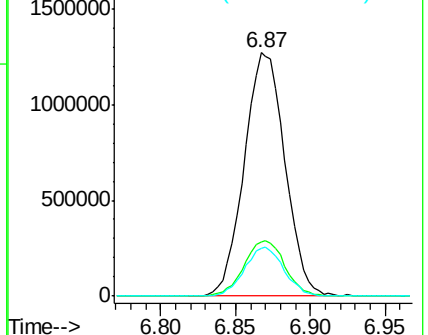
50 19.6 16.0 24.0

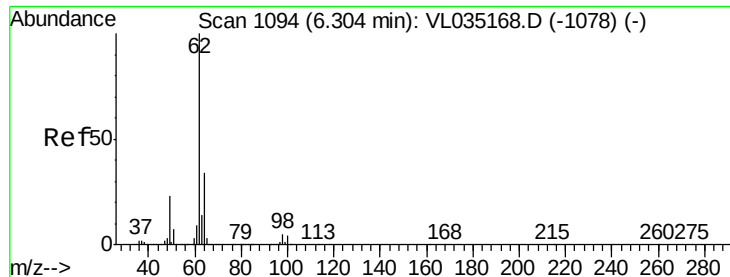


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

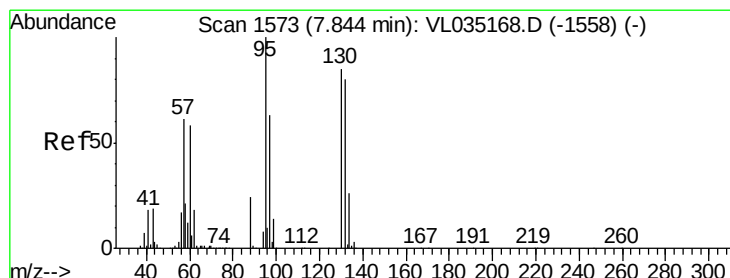
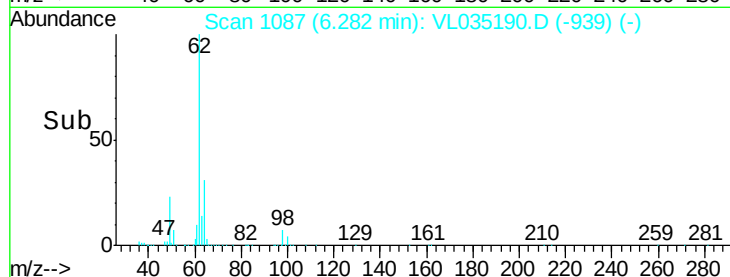
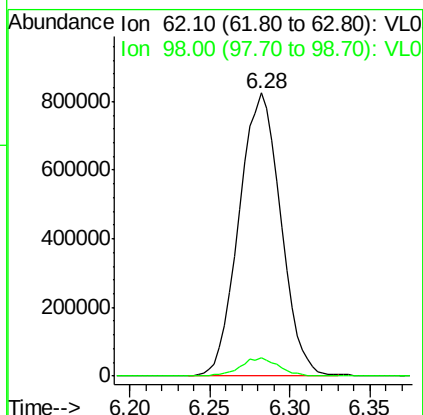
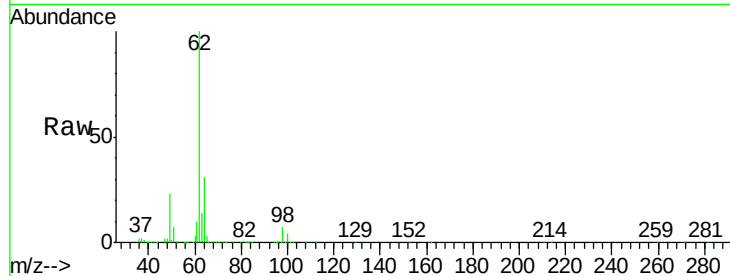




#37
 1,2-Dichloroethane
 Concen: 9.557 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

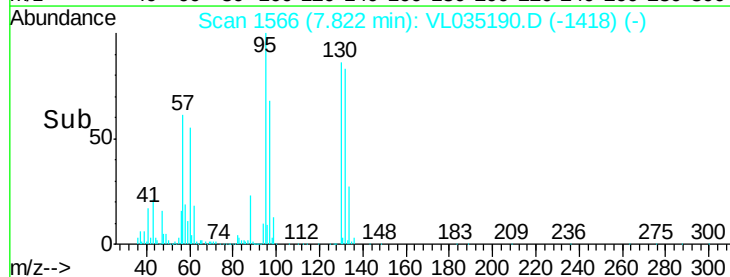
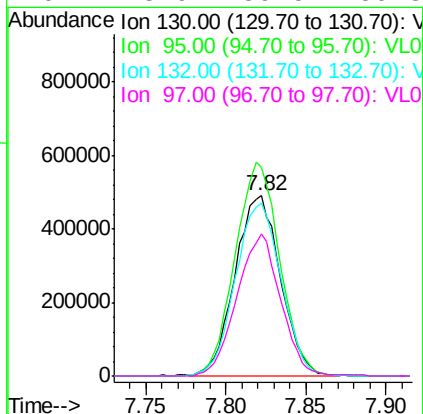
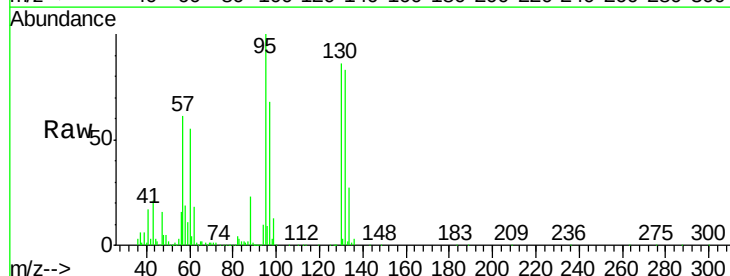
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

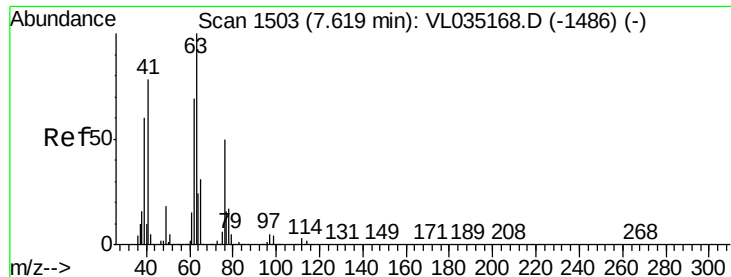
Tot Ion: 62 Resp: 1466309
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 6.8



#38
 Trichloroethene
 Concen: 10.108 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Tgt Ion: 130 Resp: 941654
 Ion Ratio Lower Upper
 130 100
 95 115.7 93.8 140.8
 132 96.0 75.0 112.4
 97 78.9 59.5 89.3





#39

1,2-Dichloropropane

Concen: 10.269 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

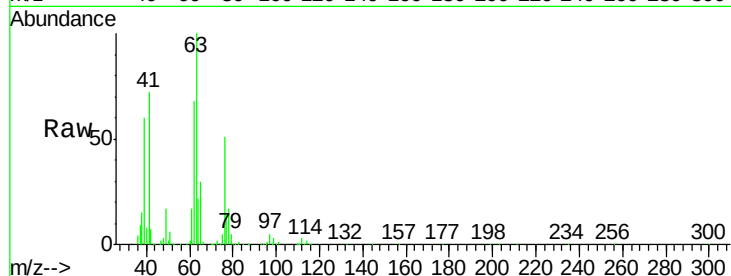
Tot Ion: 63 Resp: 933695

Ion Ratio Lower Upper

63 100

41 72.1 62.6 94.0

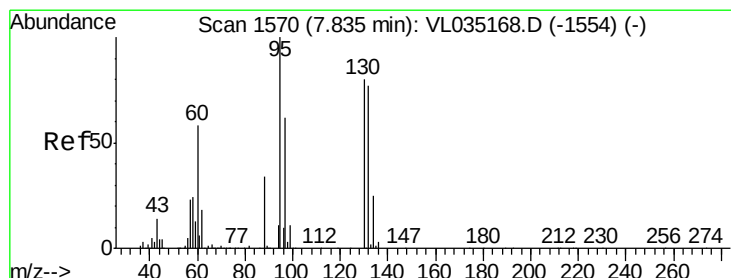
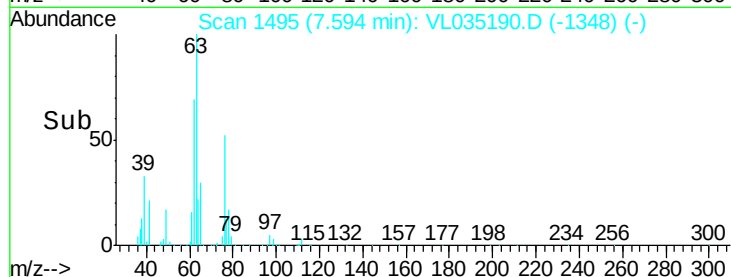
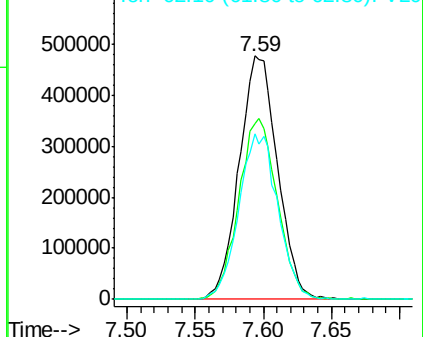
62 67.9 55.0 82.6



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: 9.803 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Tgt Ion: 88 Resp: 354822

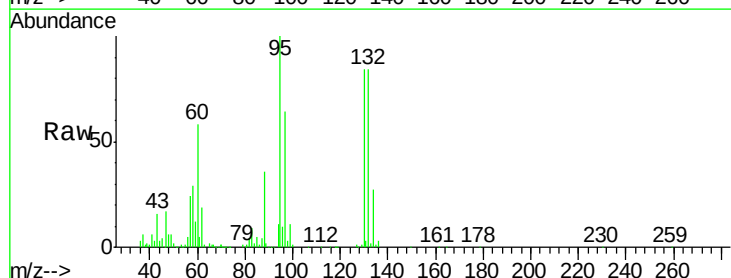
Ion Ratio Lower Upper

88 100

58 134.0 100.2 150.4

43 0.0 199.8 299.8#

57 0.0 869.5 1304.3#

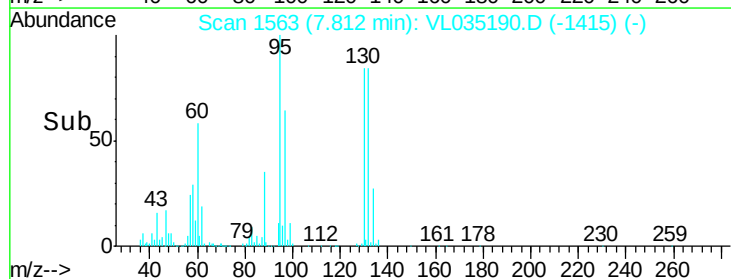
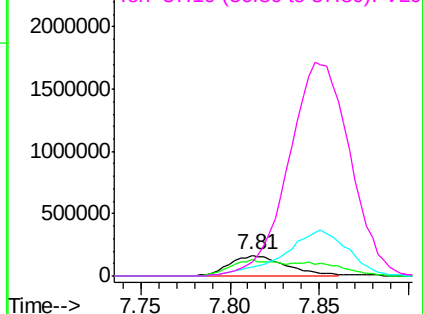


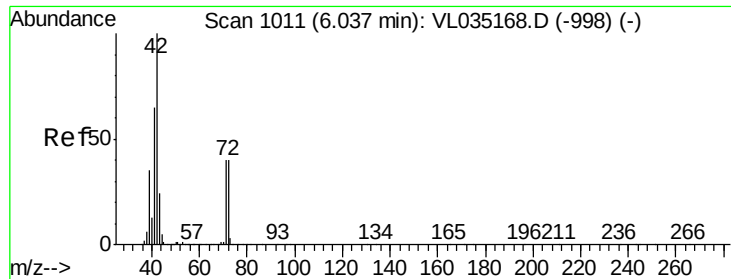
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

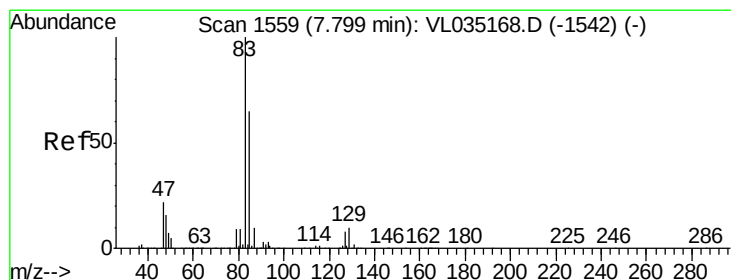
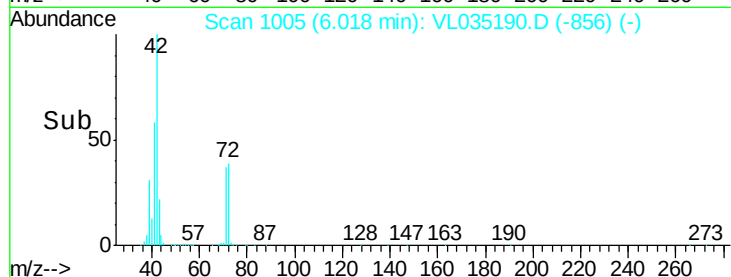
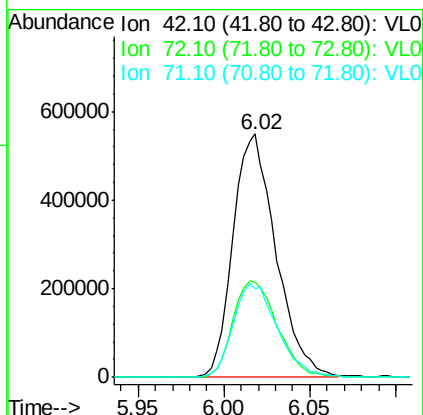
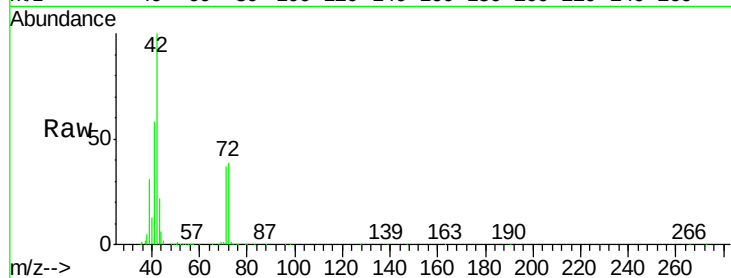




#41
Tetrahydrofuran
Concen: 11.337 ppbv
RT: 6.02 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

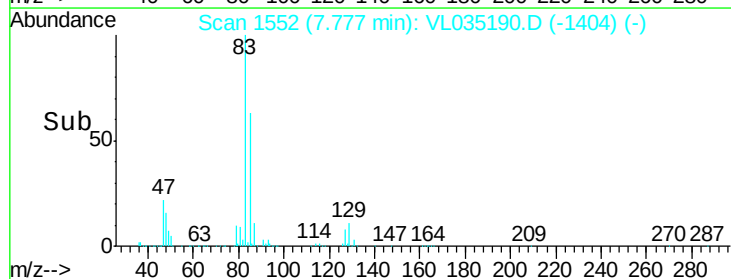
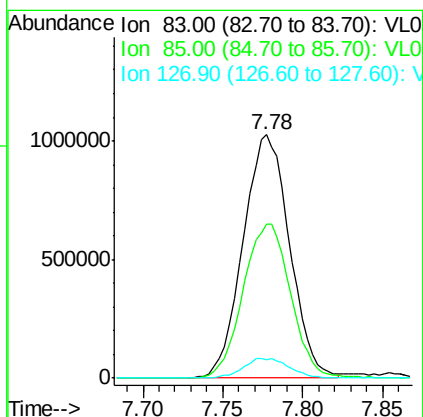
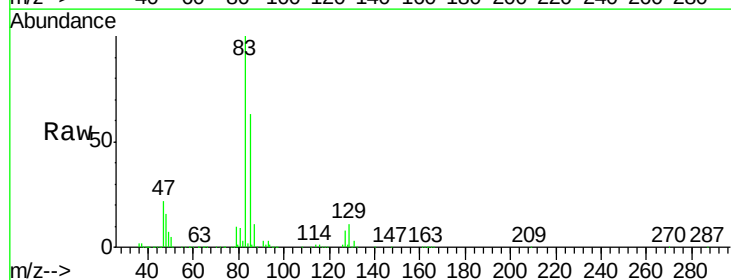
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

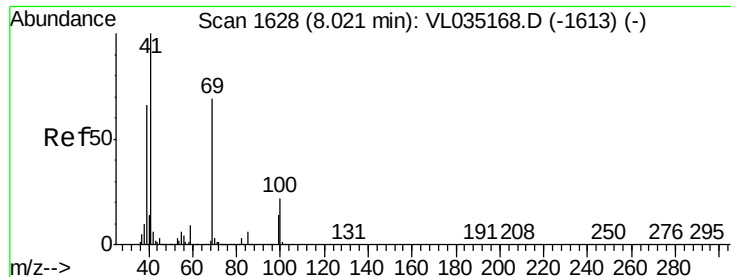
Tot Ion: 42 Resp: 956422
Ion Ratio Lower Upper
42 100
72 41.5 33.4 50.2
71 39.6 31.9 47.9



#42
Bromodichloromethane
Concen: 9.933 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion: 83 Resp: 2035236
Ion Ratio Lower Upper
83 100
85 63.0 52.2 78.4
127 7.7 6.3 9.5

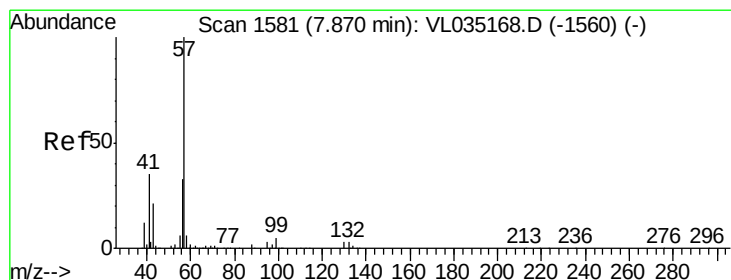
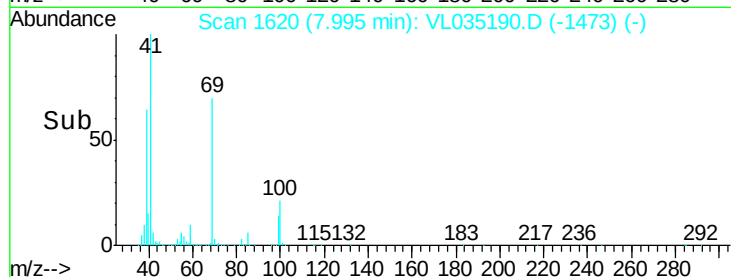
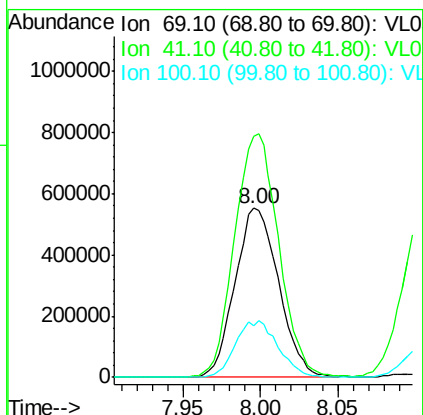
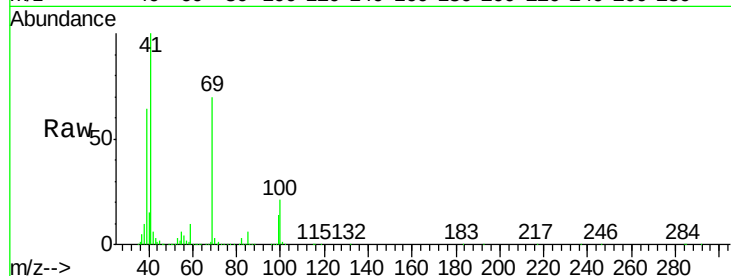




#43
Methyl Methacrylate
Concen: 11.149 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.03 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

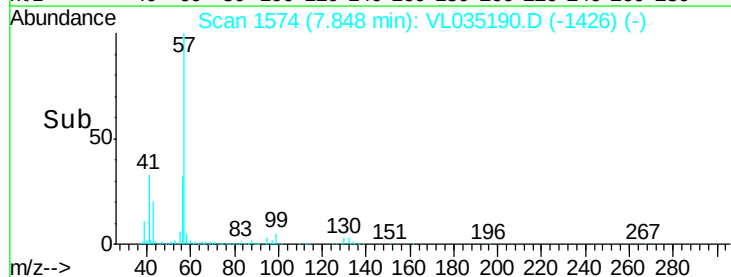
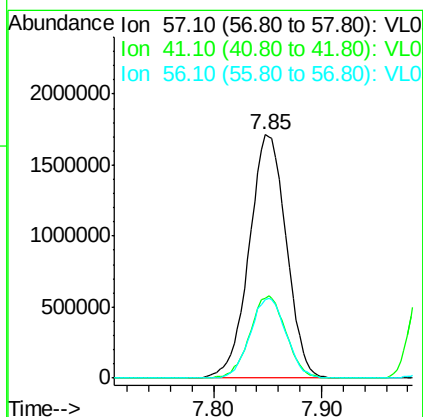
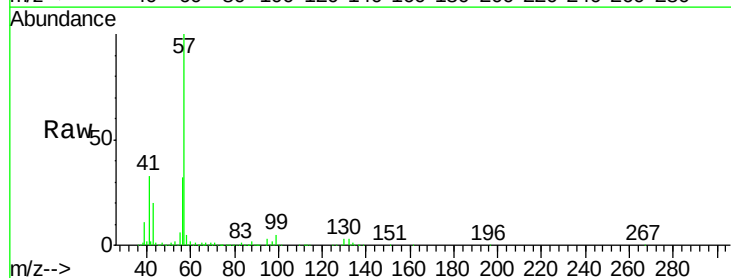
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

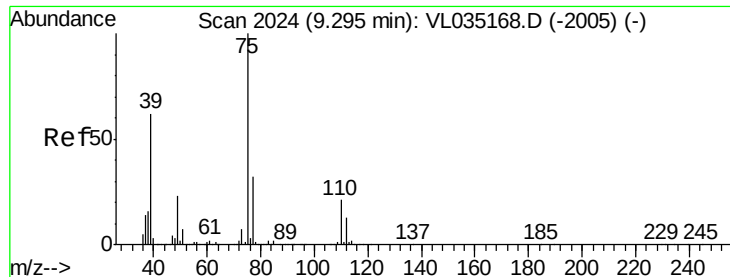
Tot Ion: 69 Resp: 1077529
Ion Ratio Lower Upper
69 100
41 146.2 116.3 174.5
100 33.1 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.369 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion: 57 Resp: 4092038
Ion Ratio Lower Upper
57 100
41 32.8 27.0 40.6
56 31.8 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 12.326 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

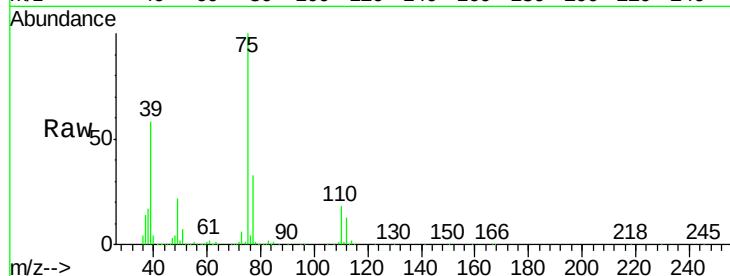
VSTDCCC010

Tot Ion: 75 Resp: 1251558

Ion Ratio Lower Upper

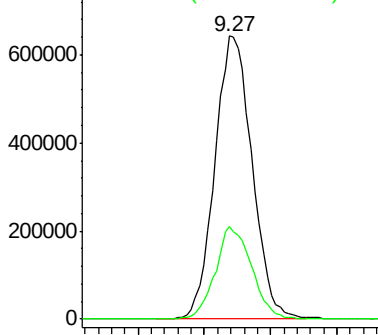
75 100

77 32.6 25.8 38.8

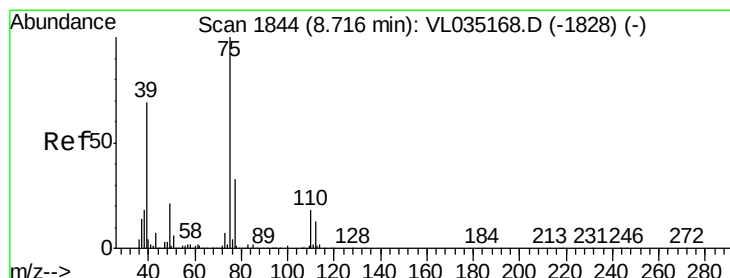
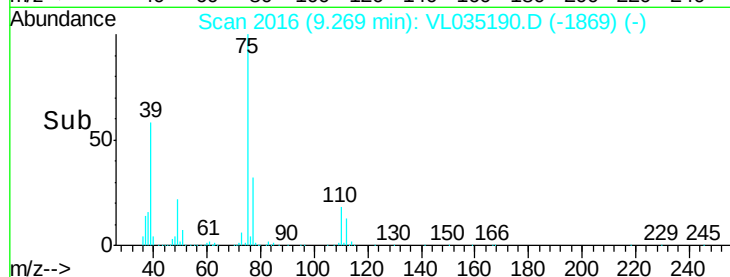


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.116 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

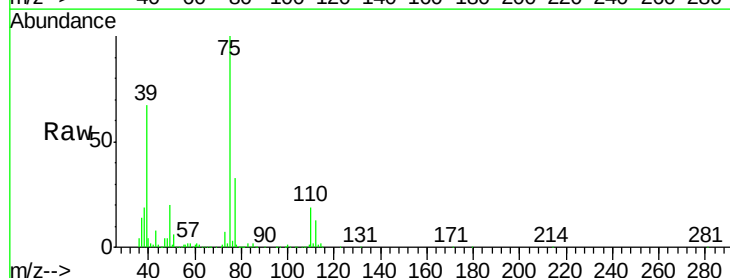
Tgt Ion: 75 Resp: 1458399

Ion Ratio Lower Upper

75 100

39 67.4 55.2 82.8

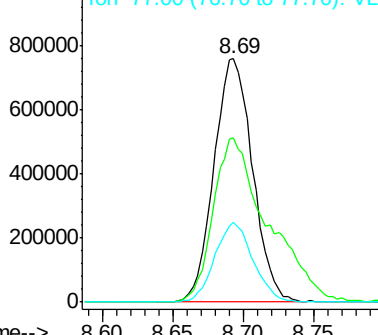
77 32.6 26.0 39.0



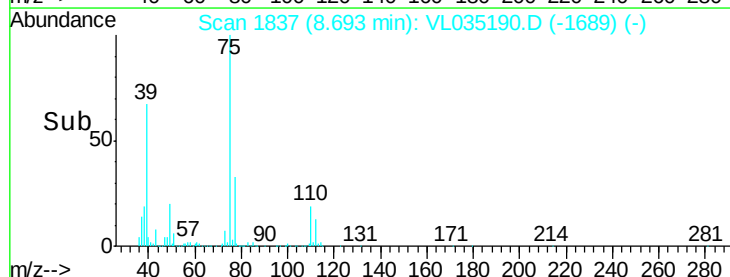
Abundance Ion 75.00 (74.70 to 75.70): VL0

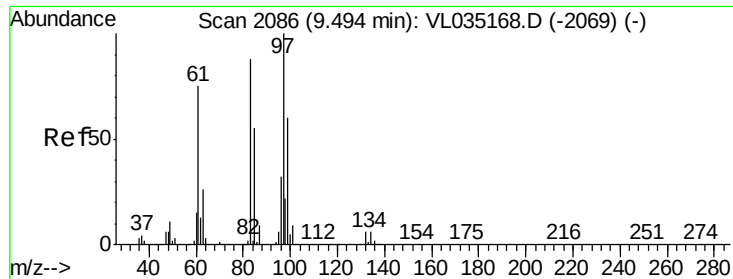
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->

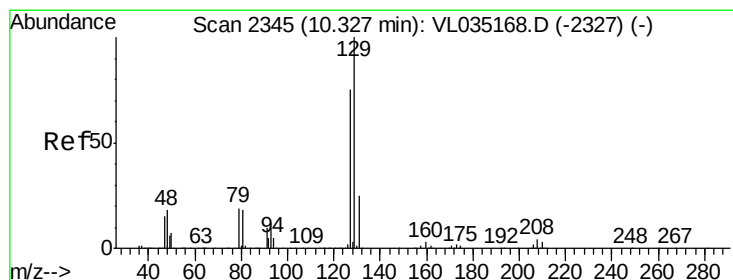
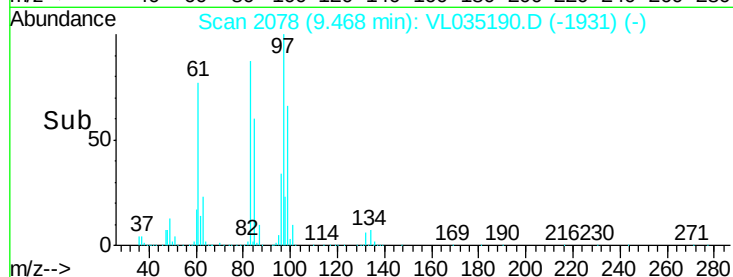
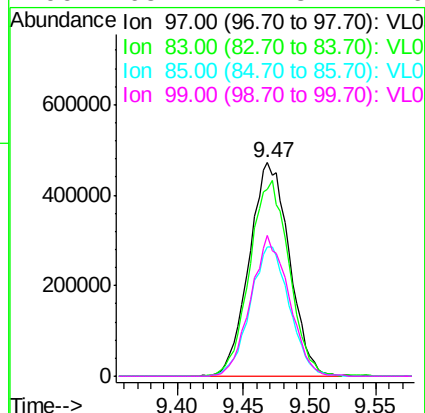
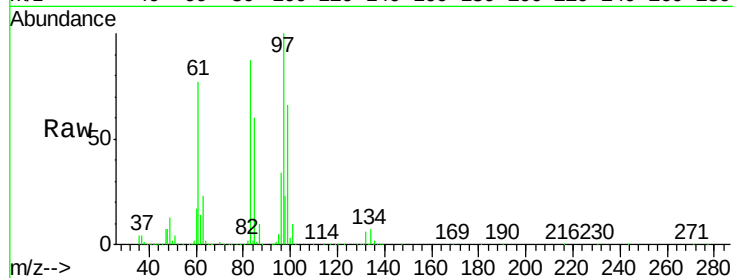




#47
 1,1,2-Trichloroethane
 Concen: 10.024 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

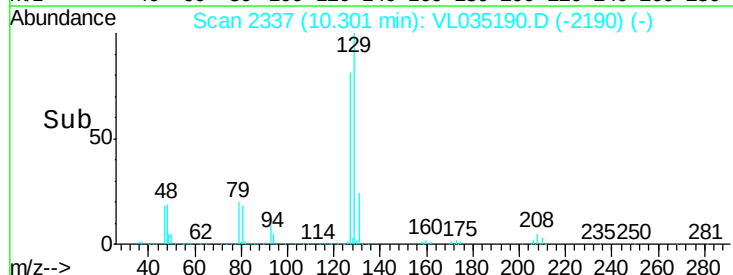
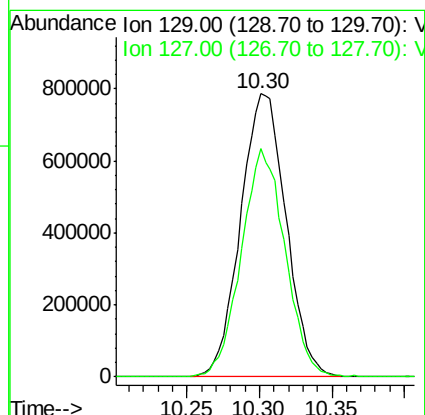
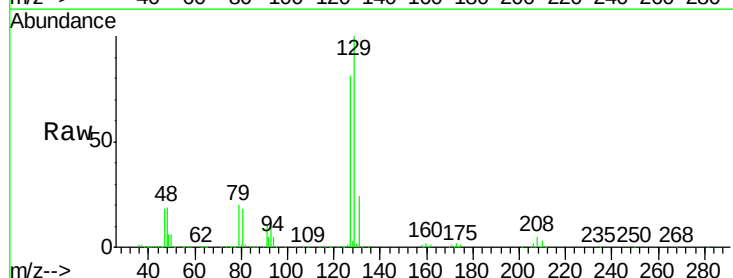
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

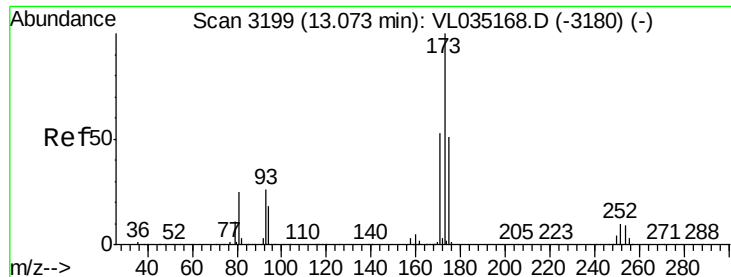
Tot Ion:	97	Resp:	997552
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.3	105.5
85	60.4	44.3	66.5
99	65.7	47.8	71.6



#48
 Dibromochloromethane
 Concen: 10.573 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.03 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Tgt Ion:	129	Resp:	1712012
Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.8	116.3





#49

Bromoform

Concen: 10.725 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

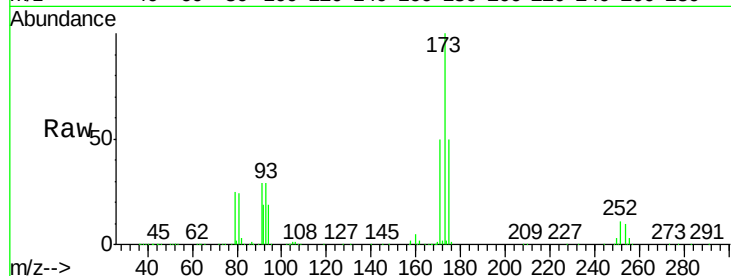
Tot Ion:173 Resp: 1519146

Ion Ratio Lower Upper

173 100

175 48.5 39.7 59.5

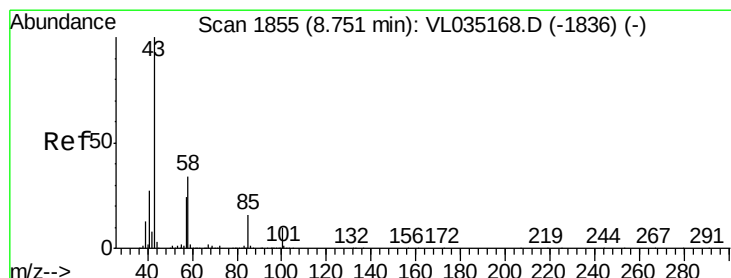
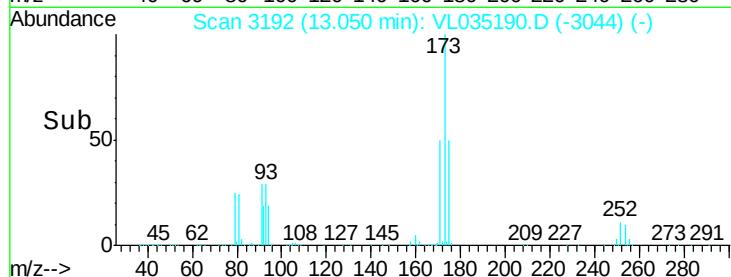
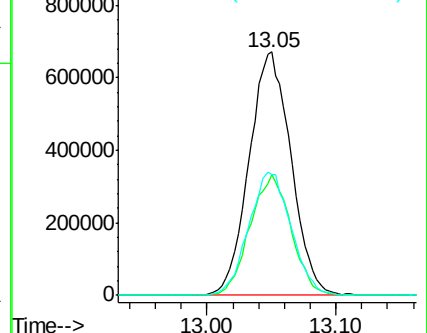
171 51.3 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.527 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.03 min

Lab File: VL035190.D

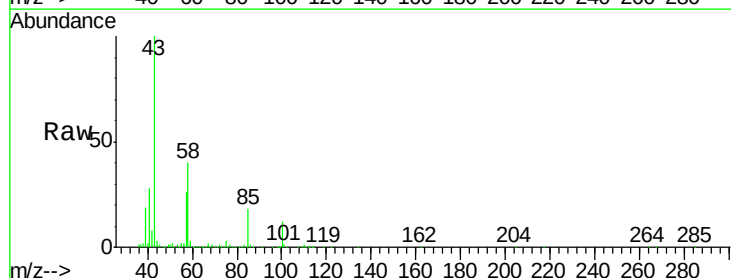
Acq: 16 Jul 2020 9:59

Tgt Ion: 43 Resp: 2547368

Ion Ratio Lower Upper

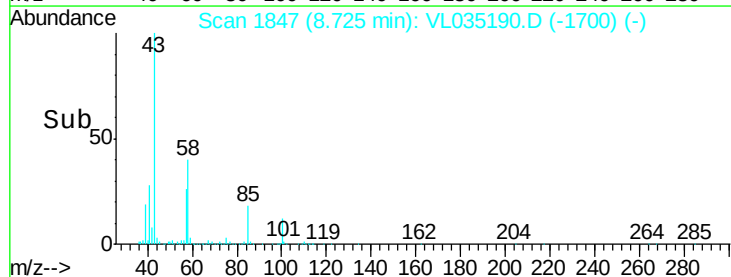
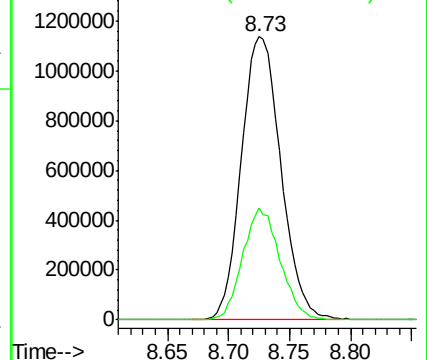
43 100

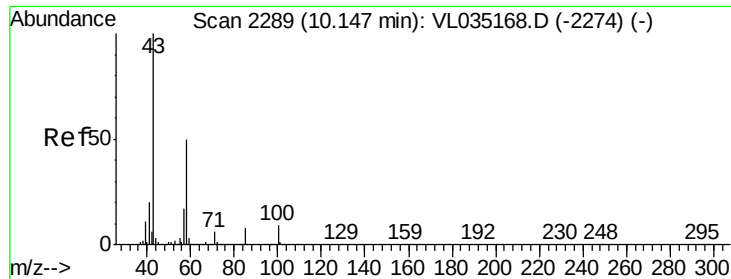
58 37.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

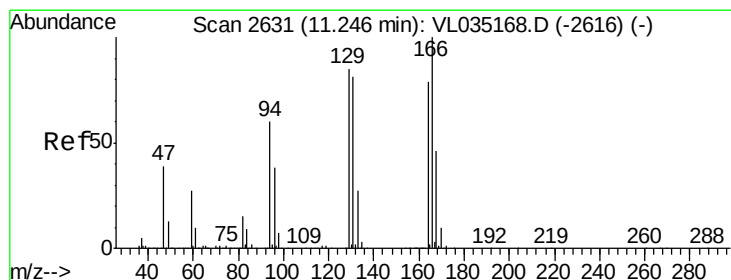
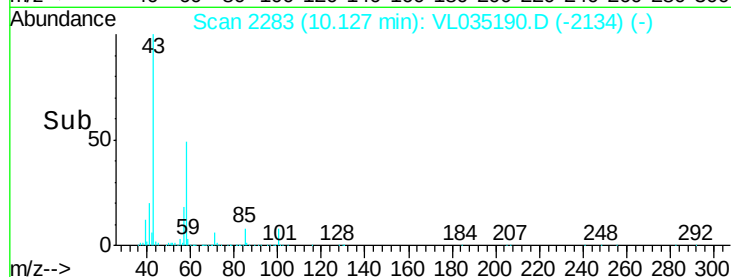
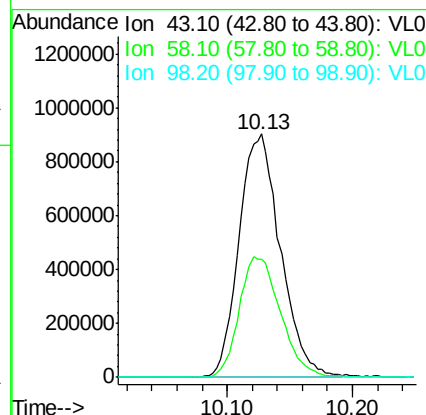
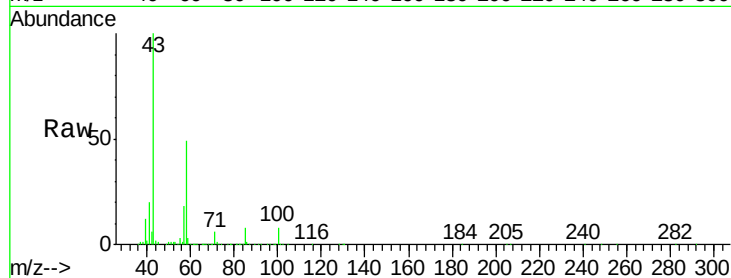




#51
2-Hexanone
Concen: 11.195 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

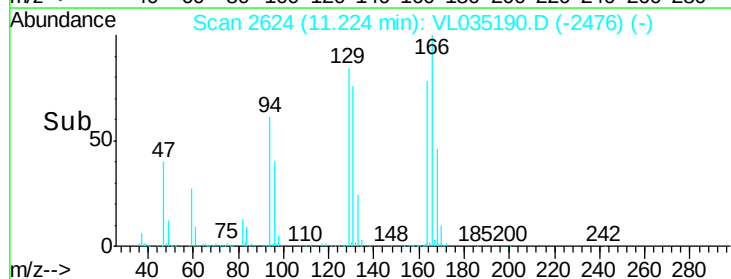
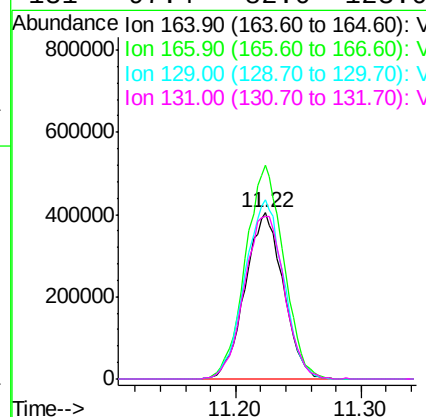
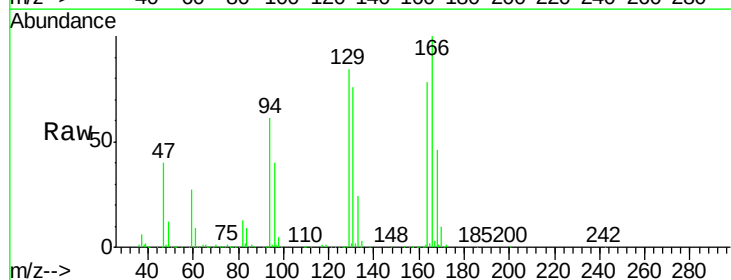
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

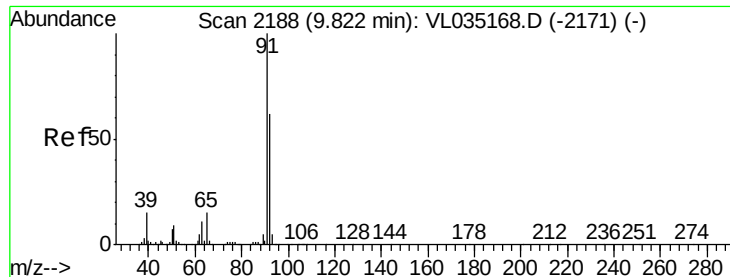
Tot Ion: 43 Resp: 2065568
Ion Ratio Lower Upper
43 100
58 49.9 39.4 59.0
98 0.5 0.3 0.5



#52
Tetrachloroethene
Concen: 9.990 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion: 164 Resp: 853028
Ion Ratio Lower Upper
164 100
166 128.4 100.7 151.1
129 107.8 85.8 128.6
131 97.4 82.0 123.0





#53

Toluene

Concen: 11.561 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

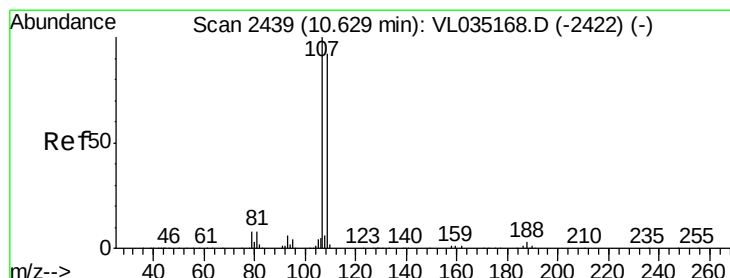
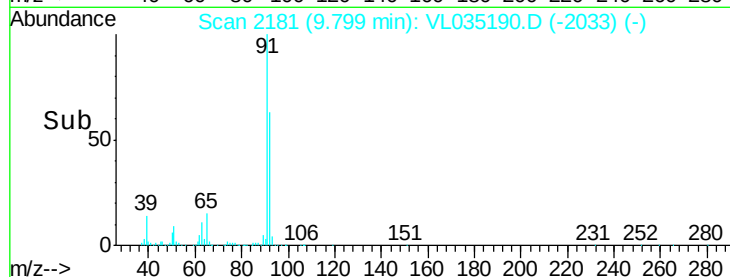
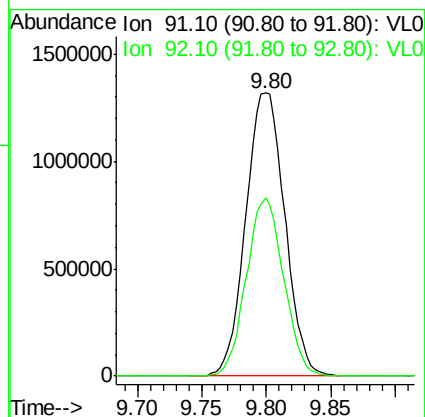
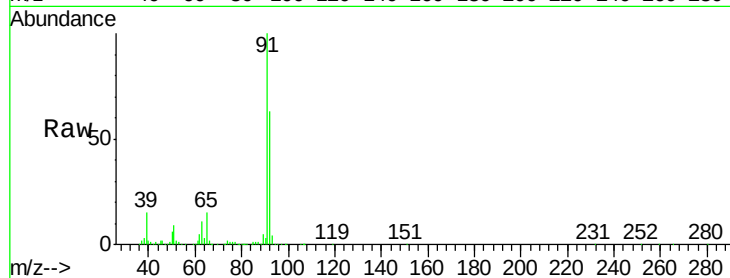
VSTDCCC010

Tot Ion: 91 Resp: 2789538

Ion Ratio Lower Upper

91 100

92 60.3 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.307 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.02 min

Lab File: VL035190.D

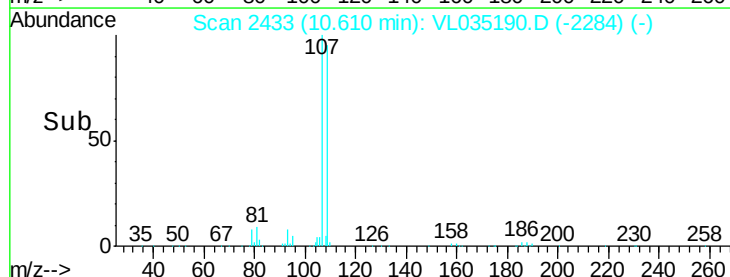
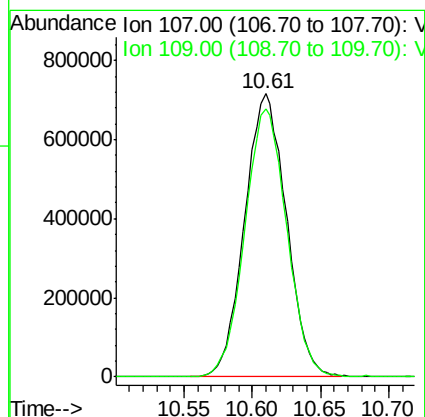
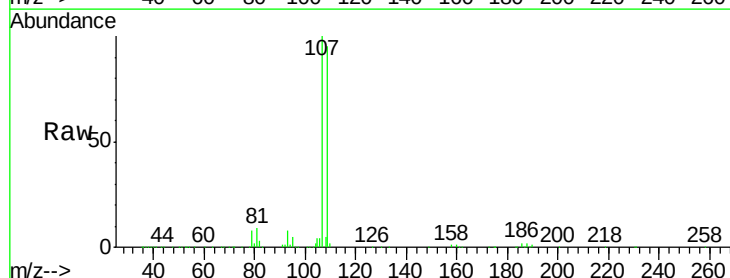
Acq: 16 Jul 2020 9:59

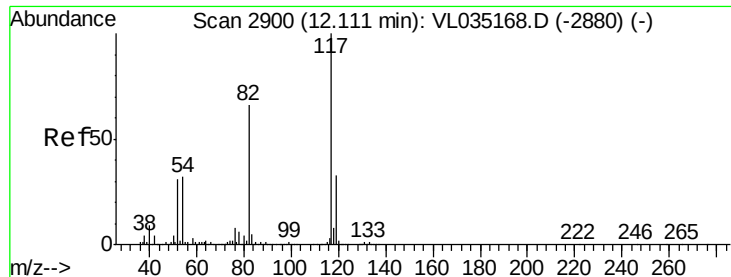
Tgt Ion: 107 Resp: 1522169

Ion Ratio Lower Upper

107 100

109 94.9 74.0 111.0

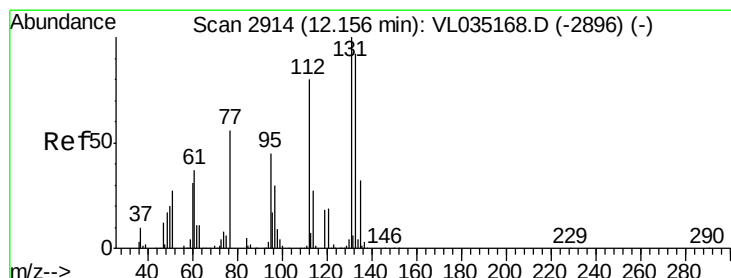
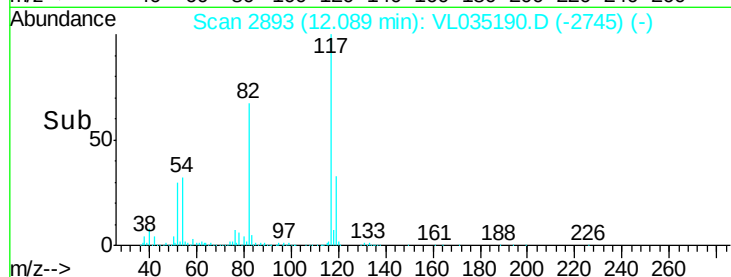
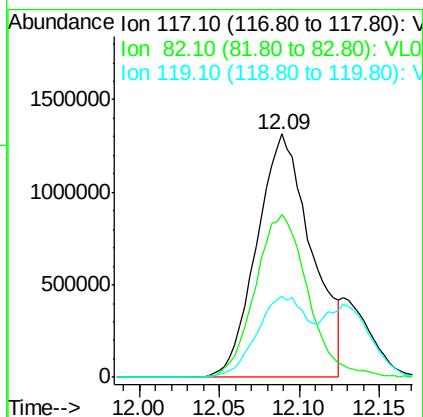
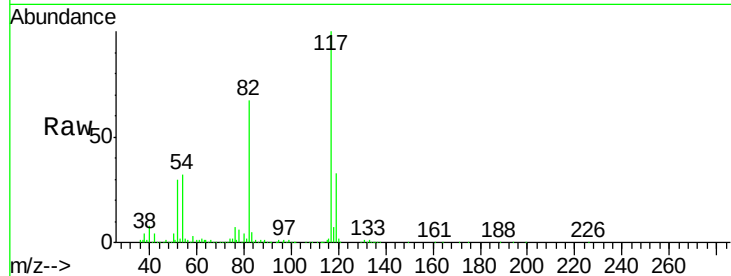




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

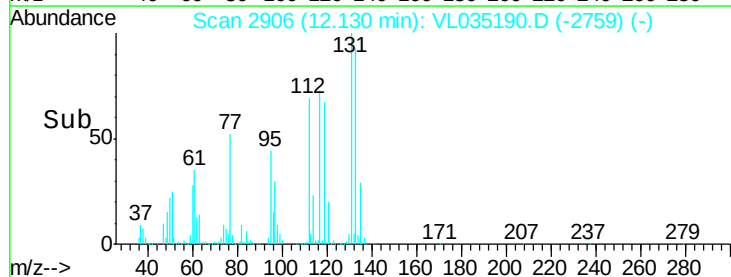
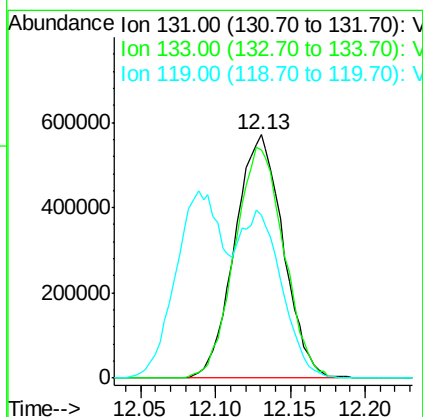
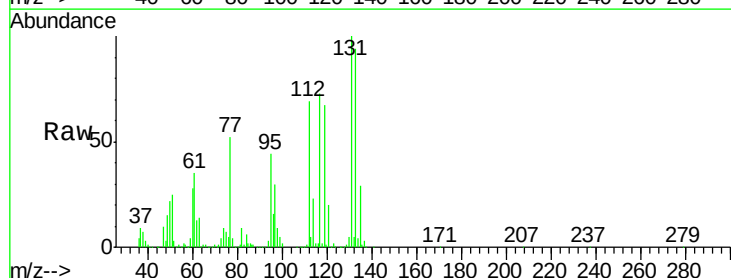
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

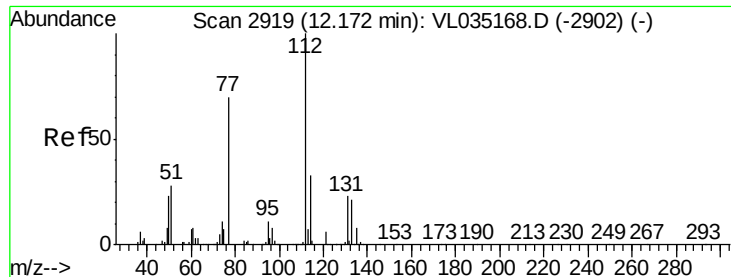
Tot Ion:117 Resp: 3110229
Ion Ratio Lower Upper
117 100
82 64.9 52.3 78.5
119 33.8 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 9.222 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.03 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion:131 Resp: 1270751
Ion Ratio Lower Upper
131 100
133 97.5 75.4 113.2
119 65.1 42.4 63.6#

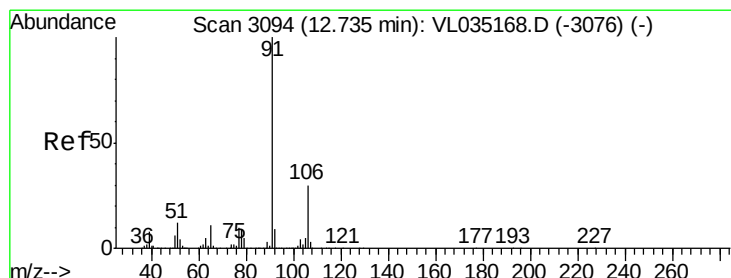
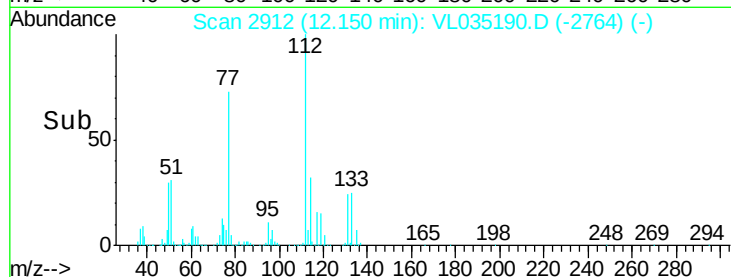
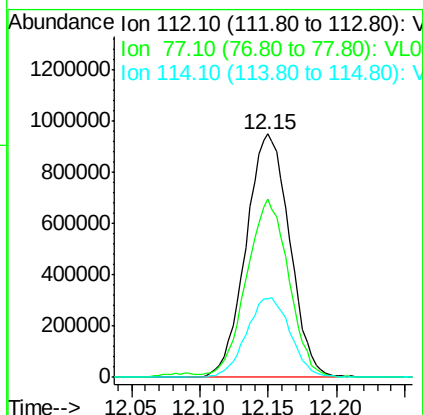
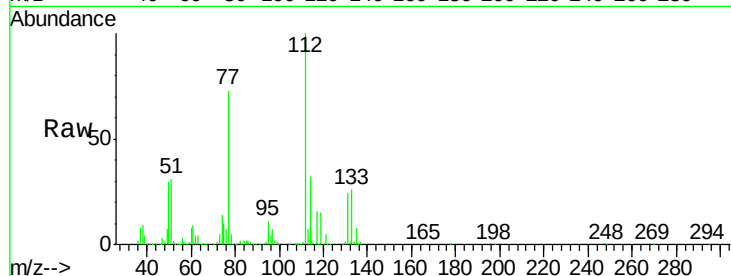




#57
Chlorobenzene
Concen: 9.184 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

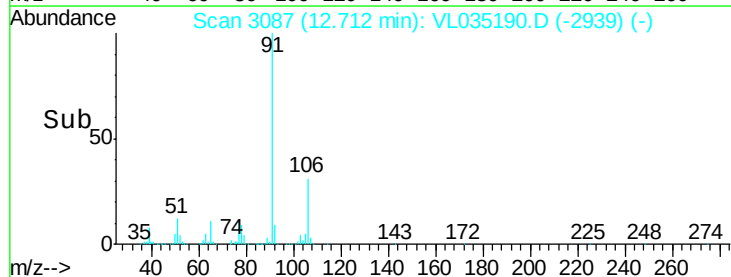
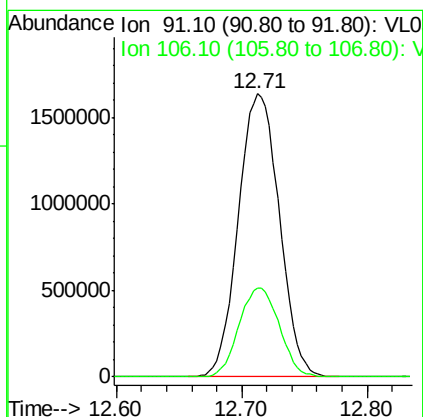
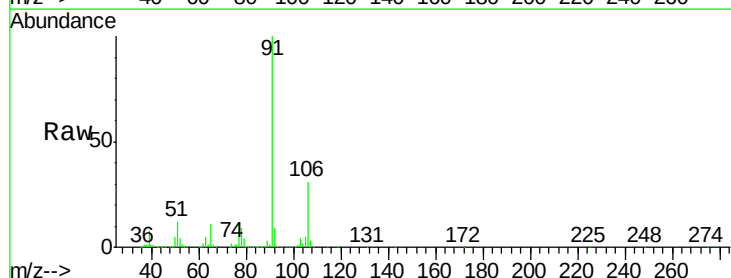
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

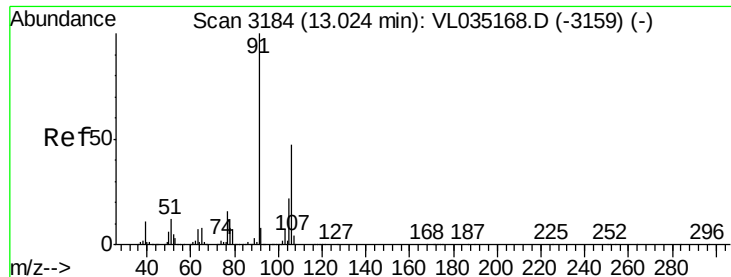
Tot Ion:112 Resp: 2105269
Ion Ratio Lower Upper
112 100
77 72.8 57.0 85.4
114 32.5 30.2 37.0



#58
Ethyl Benzene
Concen: 10.810 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion: 91 Resp: 3716059
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.2





#59

m/p-Xylene

Concen: 19.936 ppbv m

RT: 13.00 min Scan# 3176

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

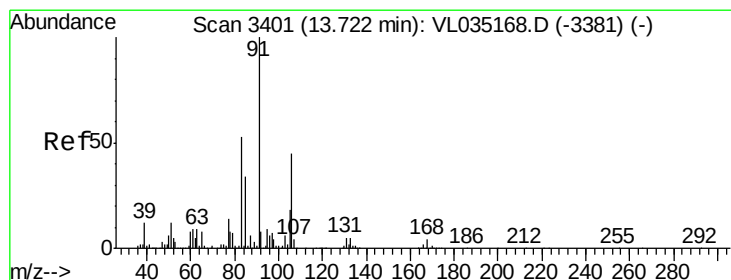
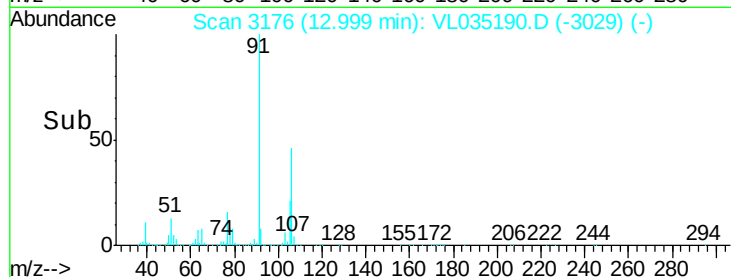
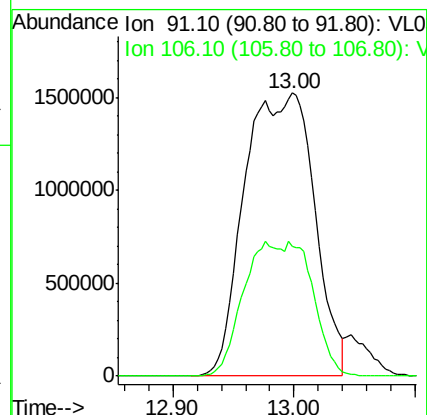
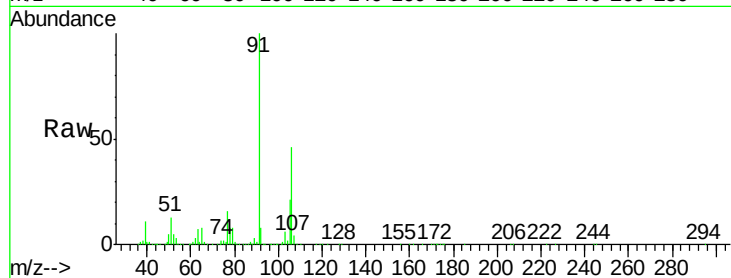
VSTDCCC010

Tot Ion: 91 Resp: 6108125

Ion Ratio Lower Upper

91 100

106 46.3 36.2 54.2



#60

o-Xylene

Concen: 9.915 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.03 min

Lab File: VL035190.D

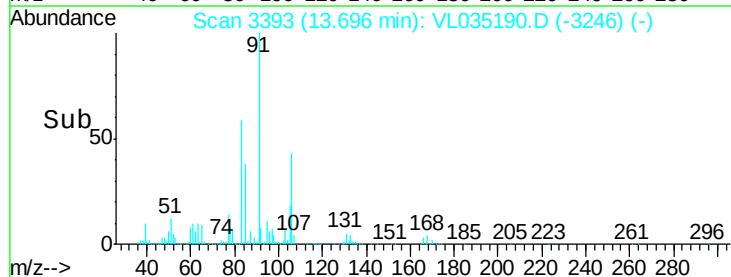
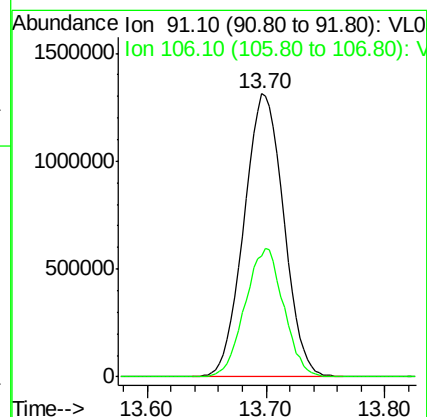
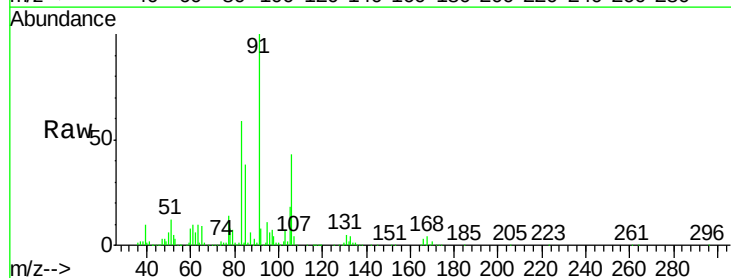
Acq: 16 Jul 2020 9:59

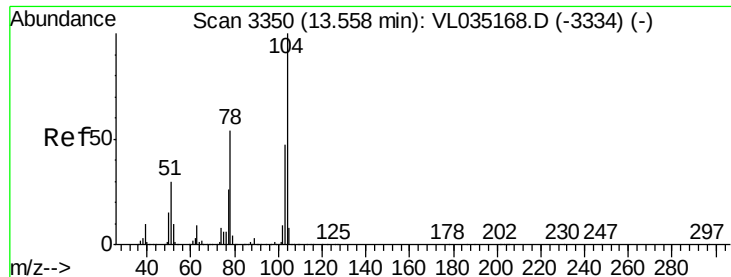
Tgt Ion: 91 Resp: 3030809

Ion Ratio Lower Upper

91 100

106 44.3 22.1 66.3





#61

Stvrene

Concen: 11.688 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

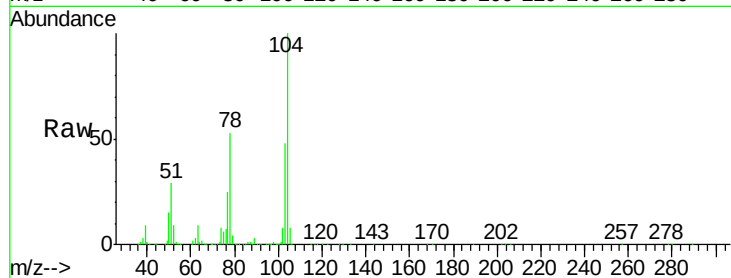
Tot Ion:104 Resp: 2207726

Ion Ratio Lower Upper

104 100

78 53.5 43.4 65.0

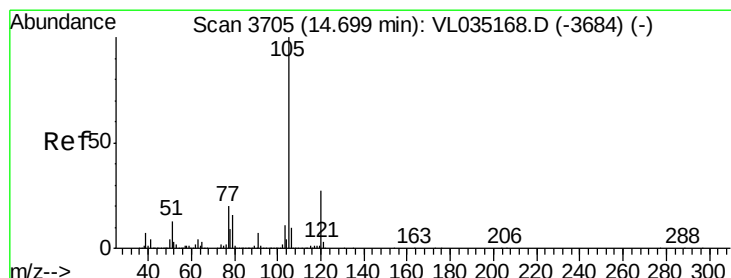
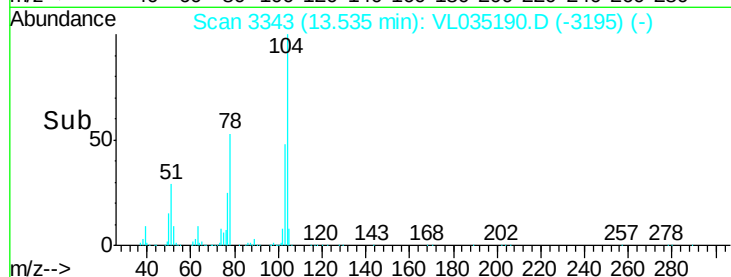
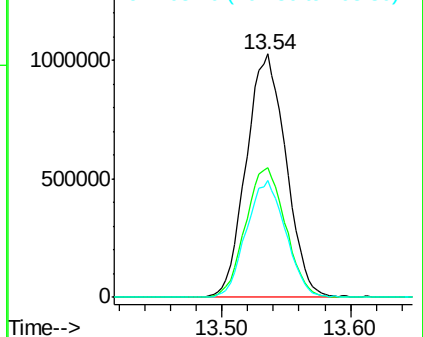
103 47.5 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.968 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. -0.02 min

Lab File: VL035190.D

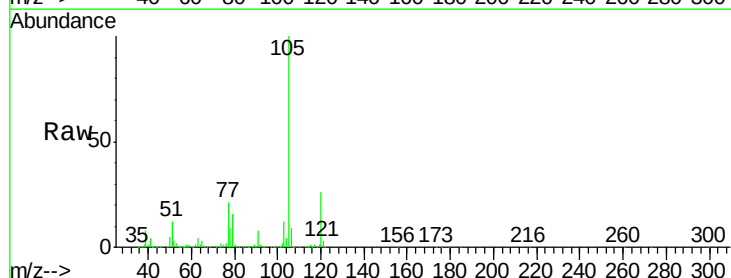
Acq: 16 Jul 2020 9:59

Tgt Ion:105 Resp: 4516539

Ion Ratio Lower Upper

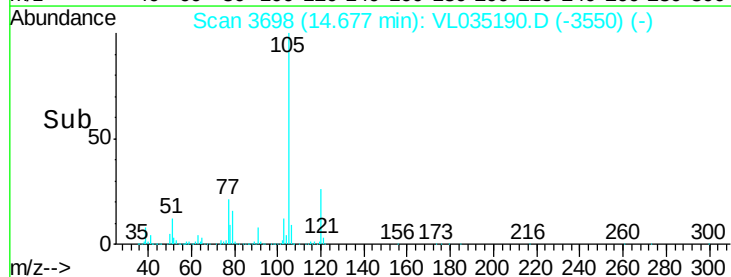
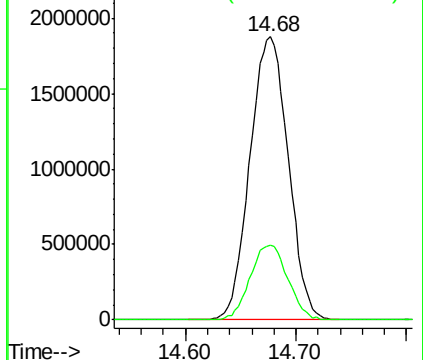
105 100

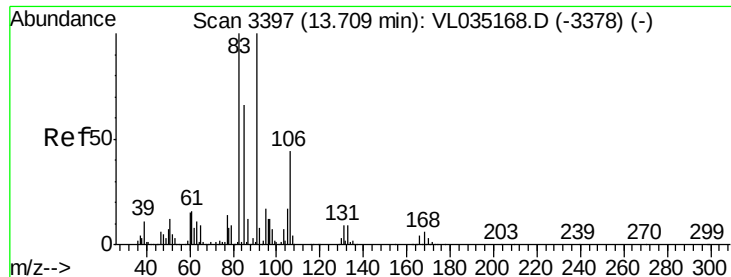
120 25.9 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.566 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

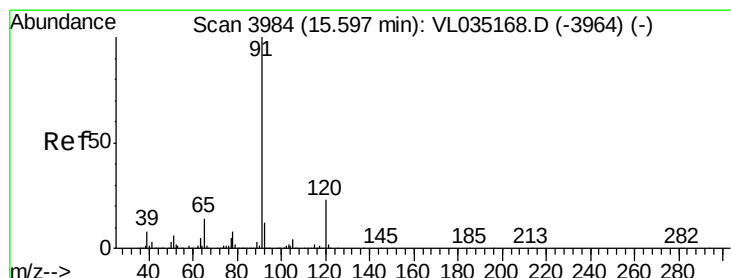
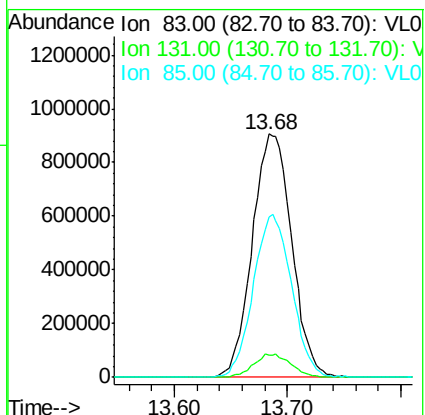
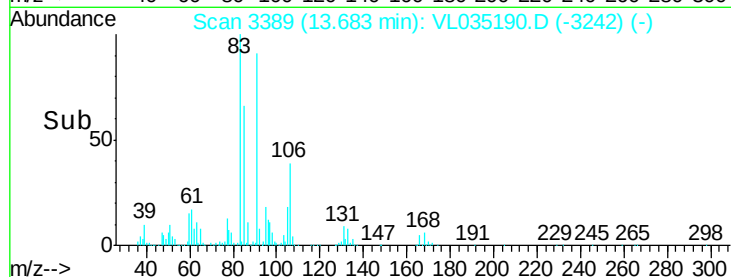
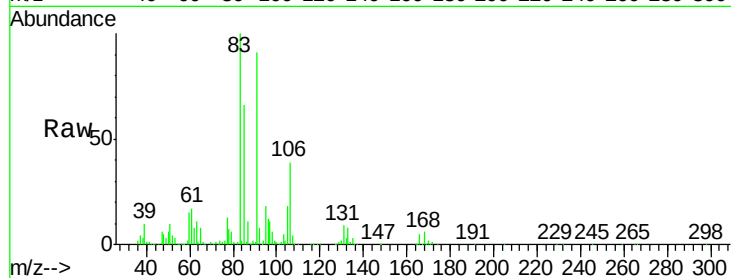
Tot Ion: 83 Resp: 2187989

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	65.3	33.0	99.0

83 100

131 9.2 4.7 14.0

85 65.3 33.0 99.0



#64

n-propylbenzene

Concen: 10.208 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. -0.03 min

Lab File: VL035190.D

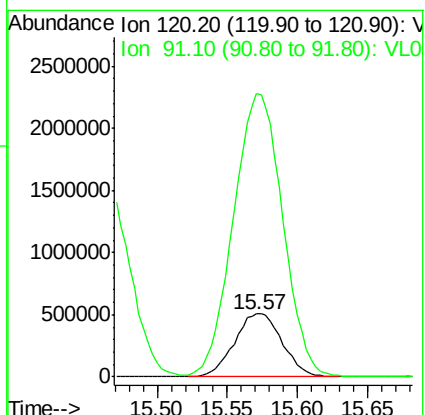
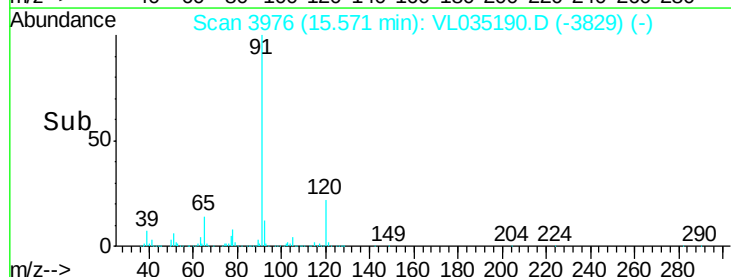
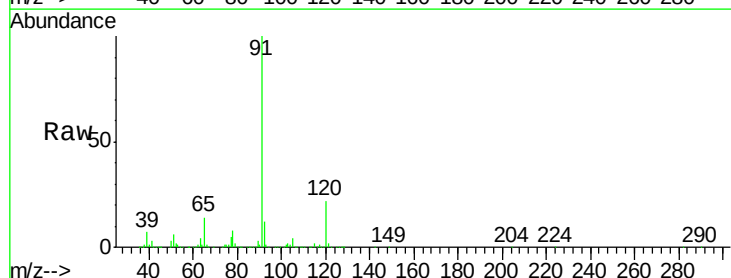
Acq: 16 Jul 2020 9:59

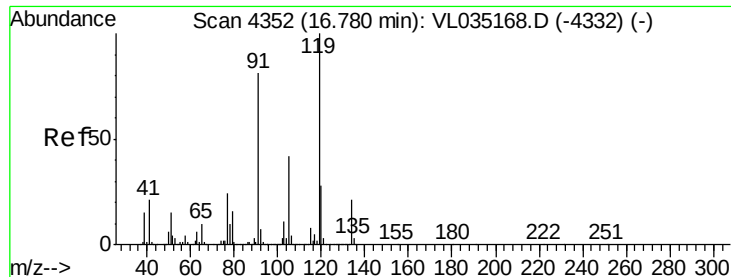
Tgt Ion: 120 Resp: 1194851

Ion	Ratio	Lower	Upper
120	100		
91	467.4	372.4	558.6

120 100

91 467.4 372.4 558.6

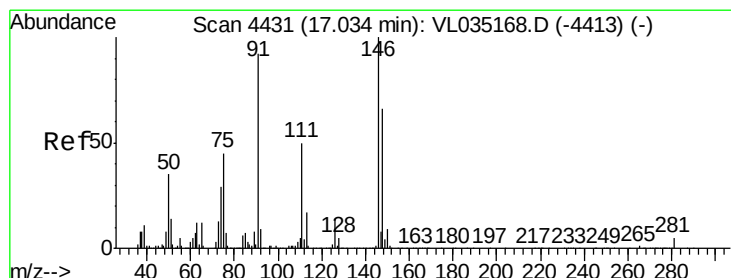
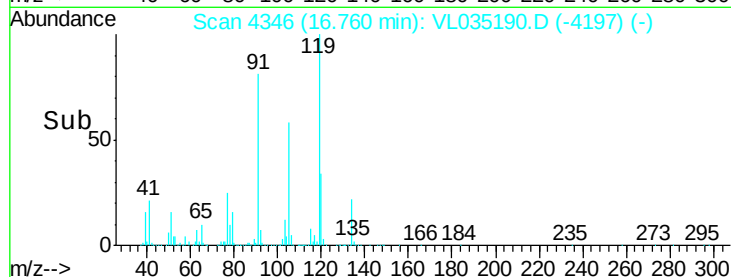
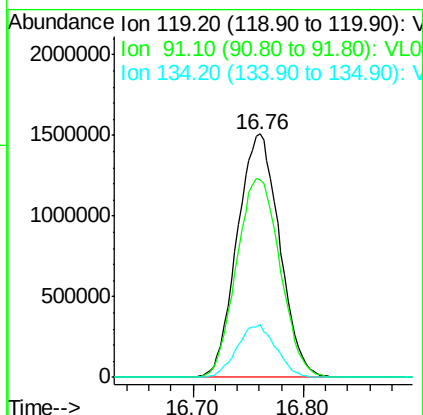
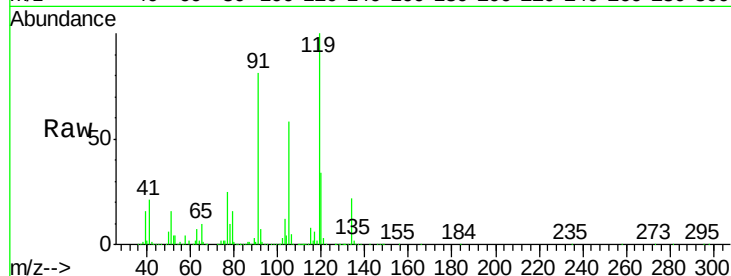




#65
 tert-Butylbenzene
 Concen: 9.878 ppbv
 RT: 16.76 min Scan# 4346
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

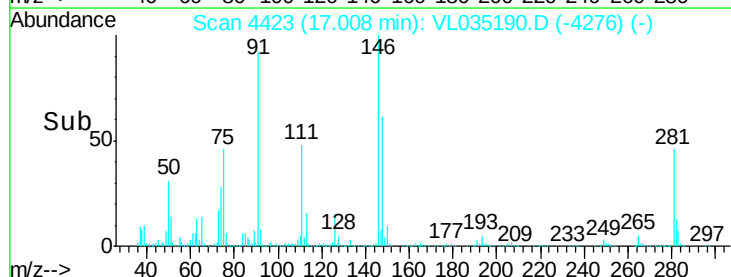
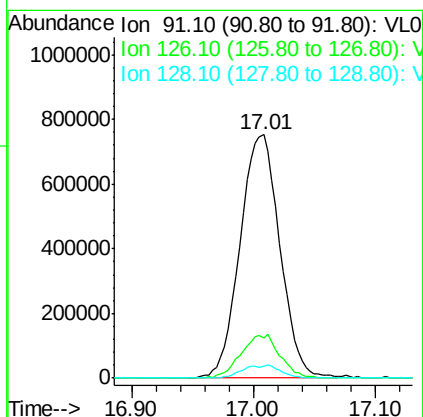
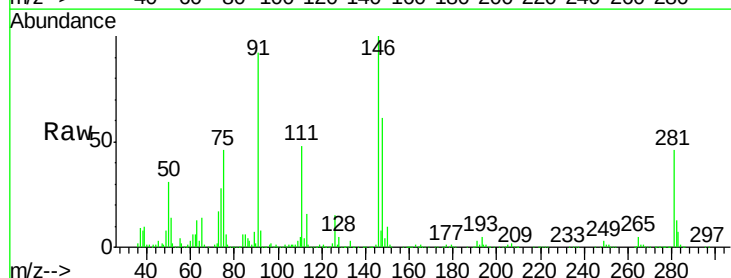
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

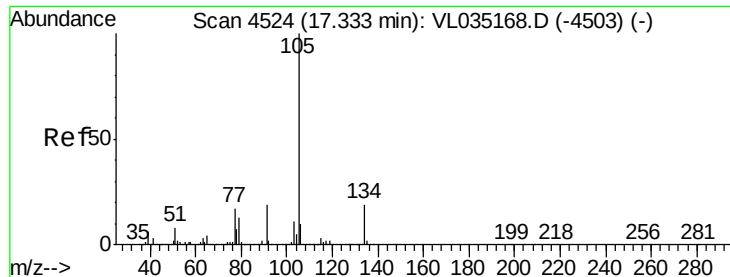
Tot Ion:119 Resp: 4019781
 Ion Ratio Lower Upper
 119 100
 91 84.3 67.5 101.3
 134 19.9 16.0 24.0



#66
 Benzyl Chloride
 Concen: 11.641 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. -0.03 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Tgt Ion: 91 Resp: 1687716
 Ion Ratio Lower Upper
 91 100
 126 17.6 13.9 20.9
 128 5.2 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.645 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

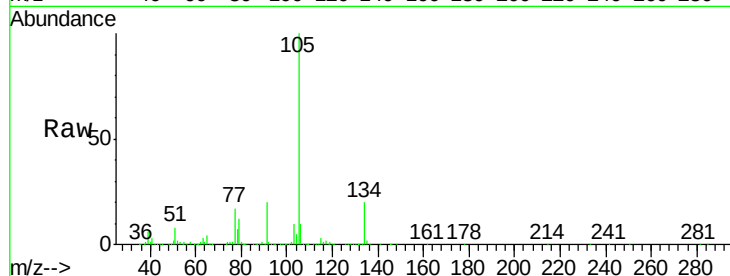
VSTDCCC010

Tot Ion:105 Resp: 5722217

Ion Ratio Lower Upper

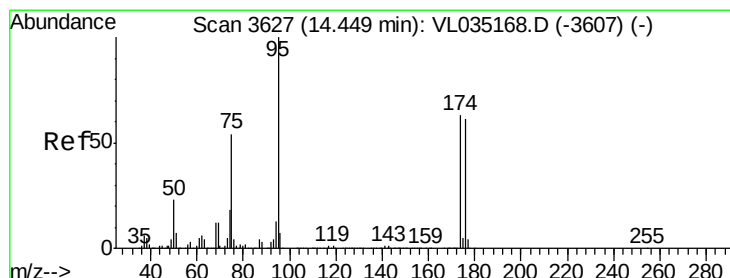
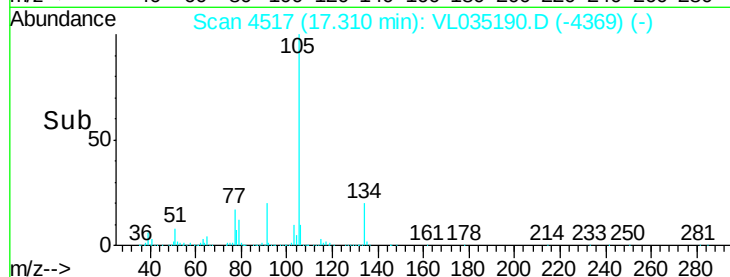
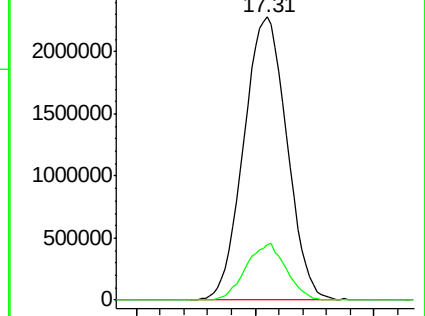
105 100

134 18.7 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.446 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

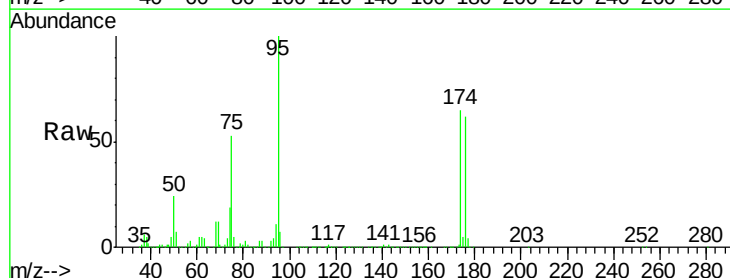
Tgt Ion: 95 Resp: 2386697

Ion Ratio Lower Upper

95 100

174 65.3 52.2 78.2

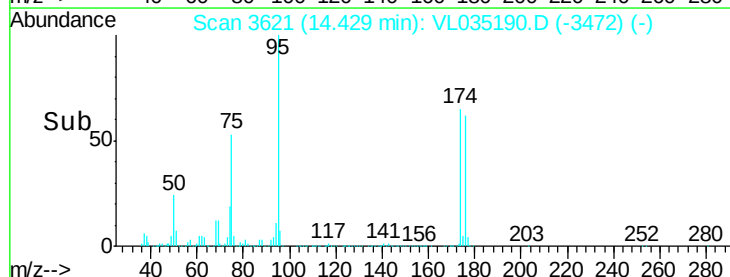
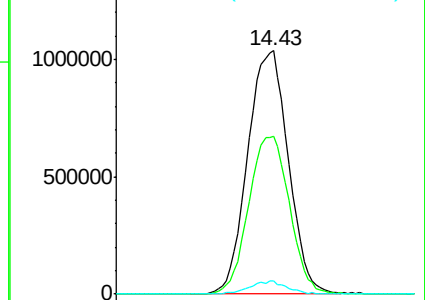
175 4.7 4.0 6.0

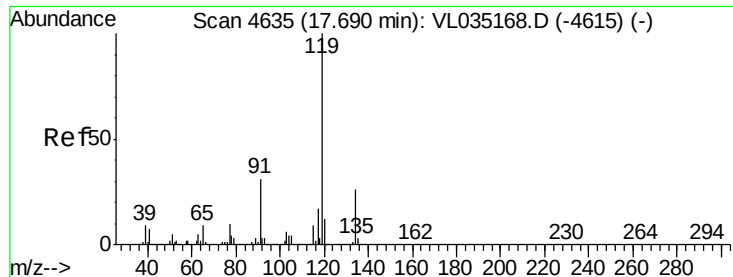


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

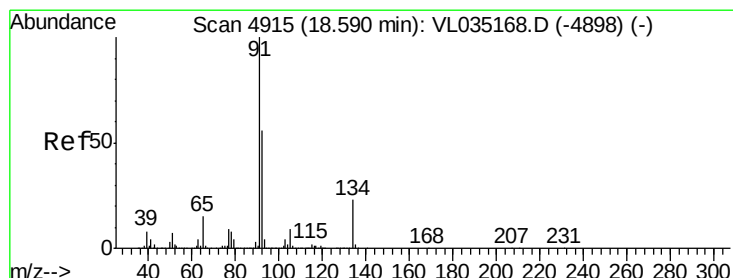
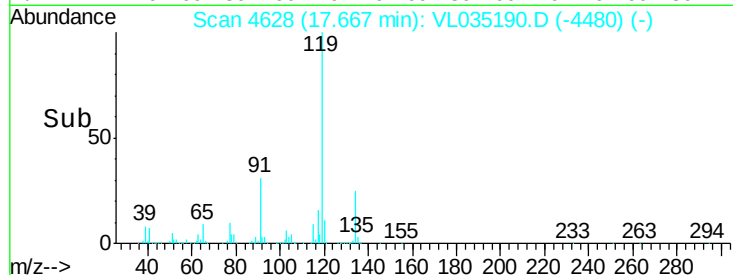
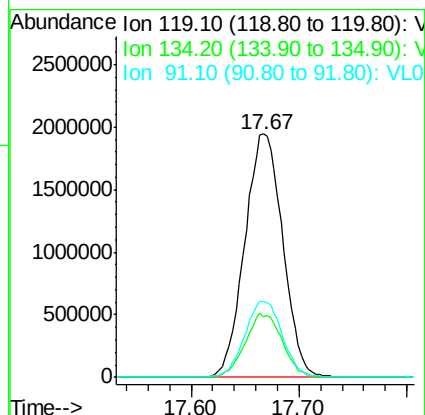
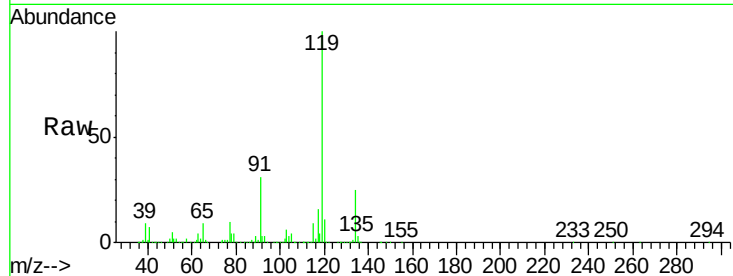




#69
 p-Isopropyltoluene
 Concen: 10.228 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

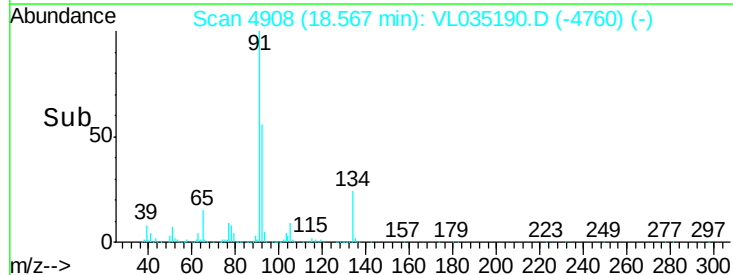
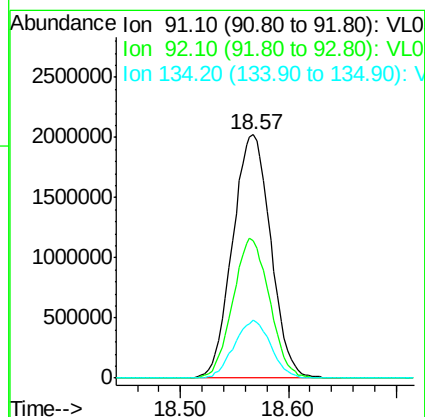
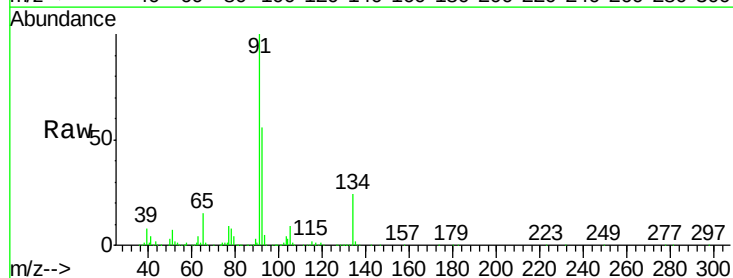
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

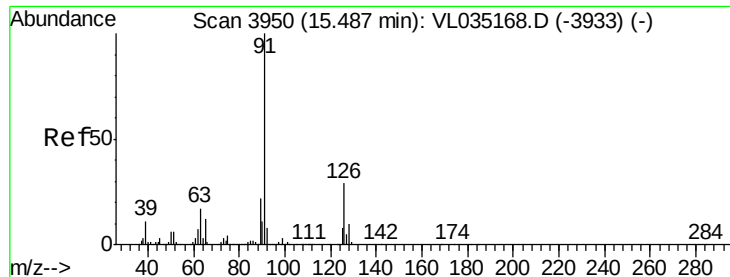
Tot Ion:119 Resp: 4755801
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.8 31.2
 91 30.9 24.9 37.3



#70
 n-Butylbenzene
 Concen: 10.054 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Tgt Ion: 91 Resp: 4956904
 Ion Ratio Lower Upper
 91 100
 92 55.5 44.0 66.0
 134 22.9 18.0 27.0

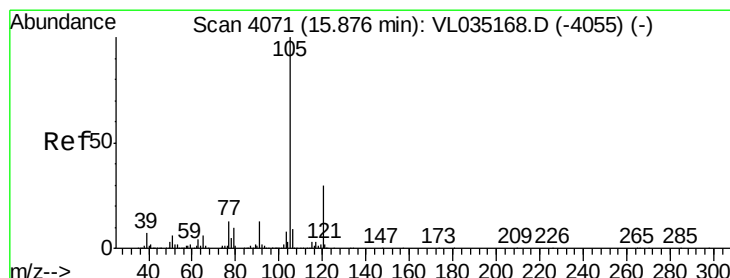
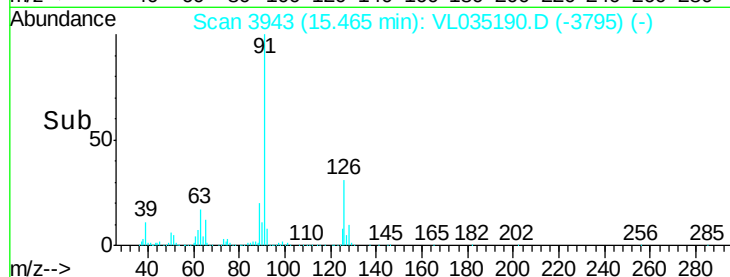
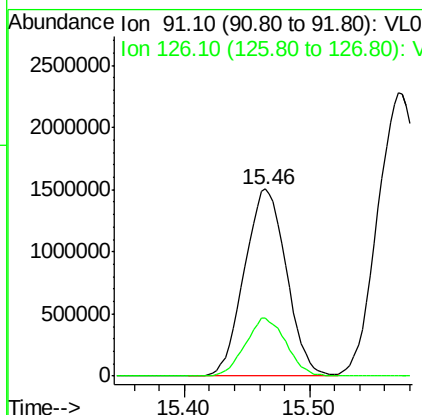
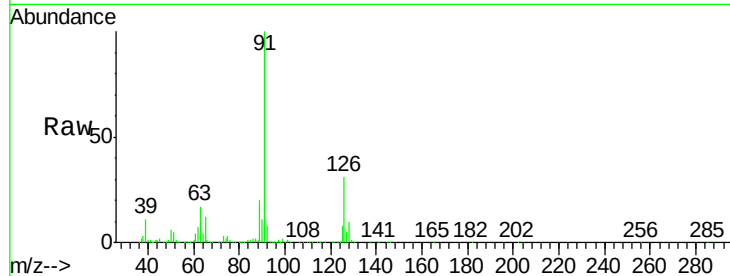




#71
2-Chlorotoluene
Concen: 10.245 ppbv
RT: 15.46 min Scan# 3943
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

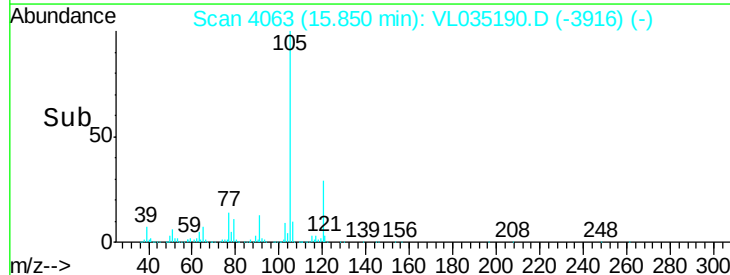
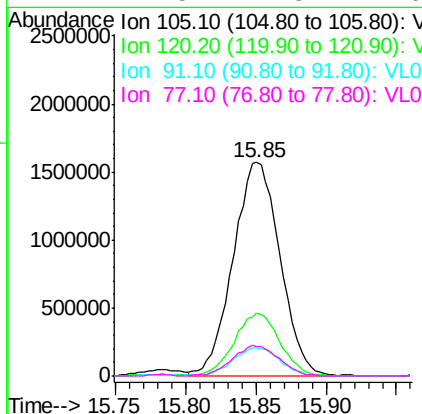
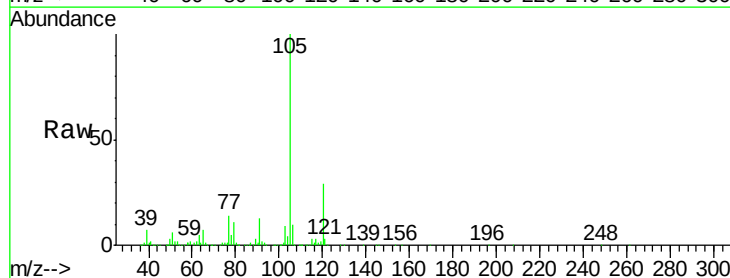
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

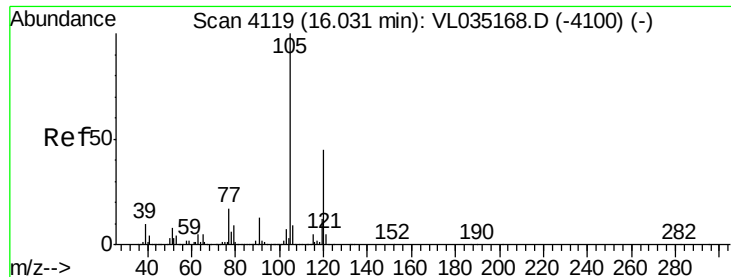
Tot Ion: 91 Resp: 3512384
Ion Ratio Lower Upper
91 100
126 30.2 12.0 48.0



#72
4-Ethyltoluene
Concen: 10.546 ppbv
RT: 15.85 min Scan# 4063
Delta R.T. -0.03 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

Tgt Ion: 105 Resp: 3632298
Ion Ratio Lower Upper
105 100
120 28.8 23.2 34.8
91 13.2 10.9 16.3
77 14.5 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.329 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

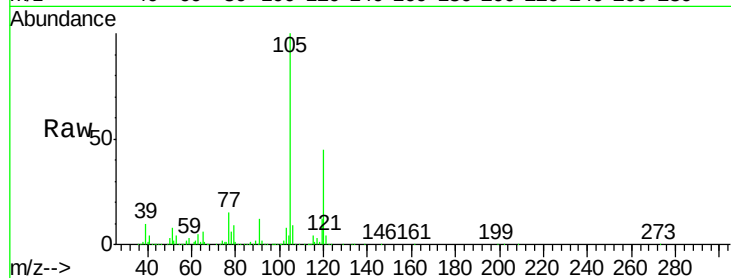
VSTDCCC010

Tot Ion:105 Resp: 3430797

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

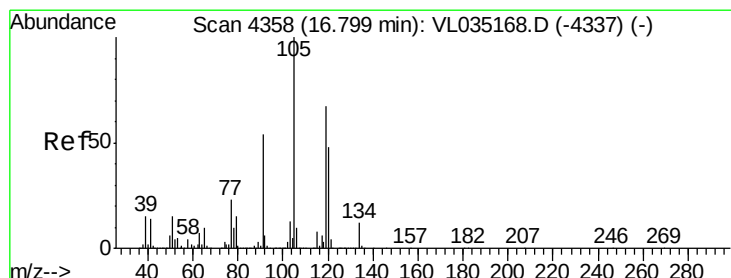
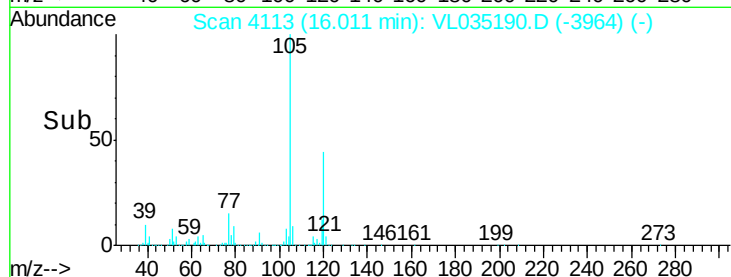
1000000

500000

0

15.90 16.01 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.716 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Tgt Ion:105 Resp: 3566316

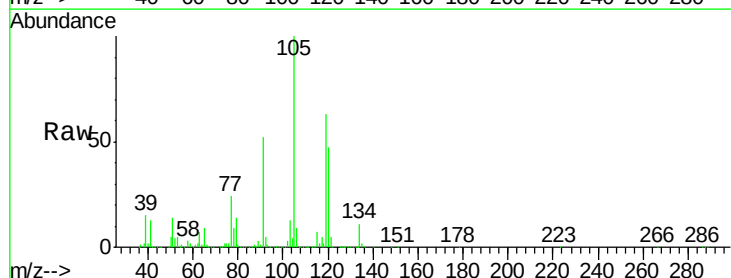
Ion Ratio Lower Upper

105 100

120 46.9 38.6 57.8

91 51.4 43.6 65.4

77 24.2 18.3 27.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

1500000

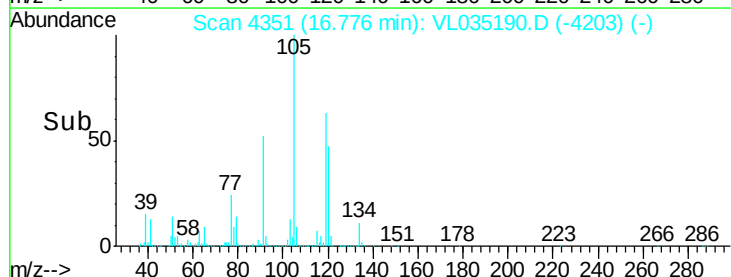
1000000

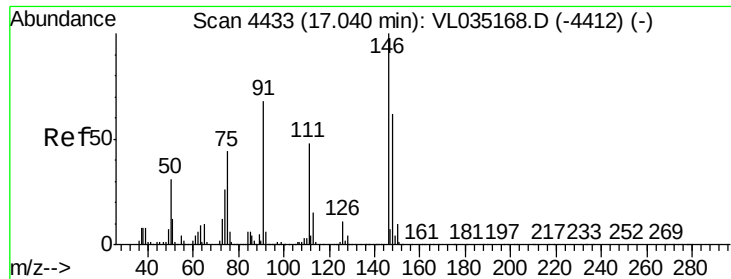
500000

0

16.70 16.78 16.80

Time-->

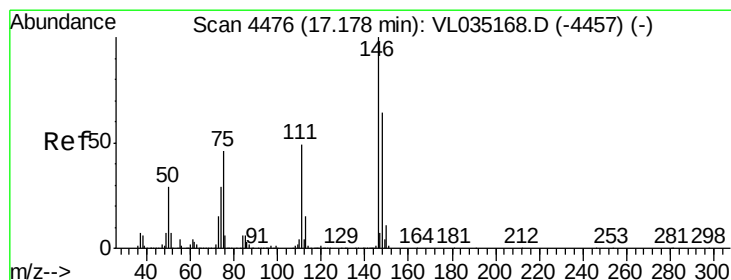
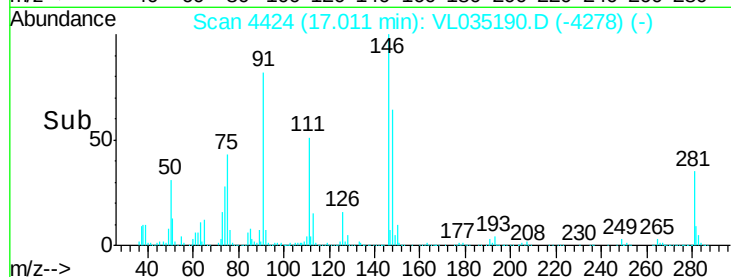
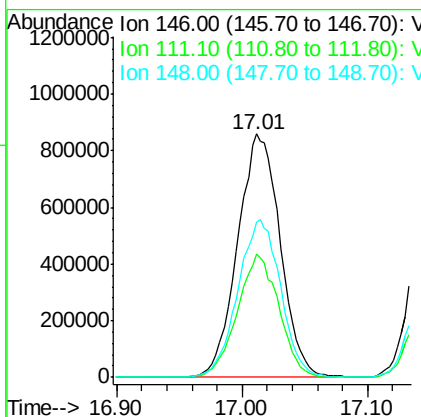
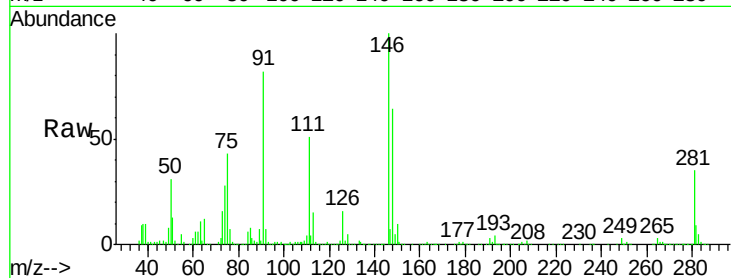




#75
 1,3-Dichlorobenzene
 Concen: 8.671 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. -0.03 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

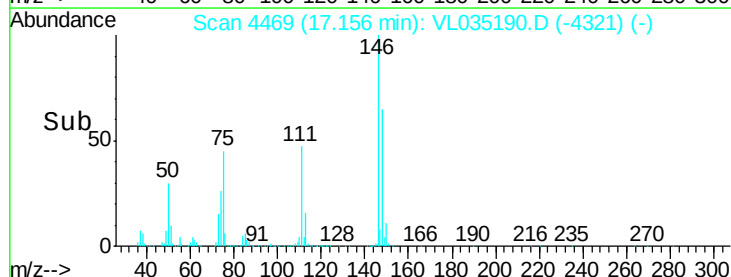
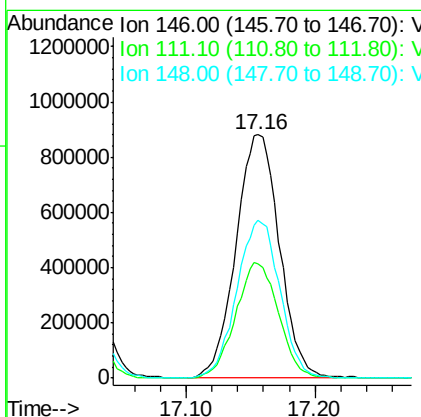
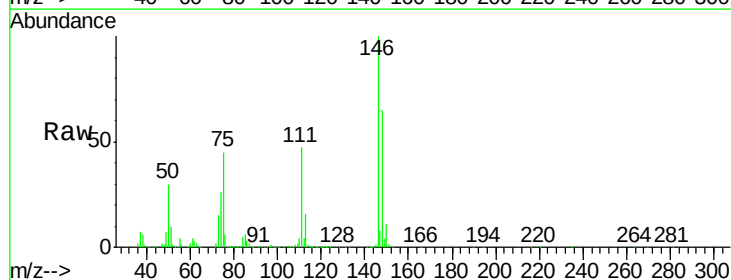
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

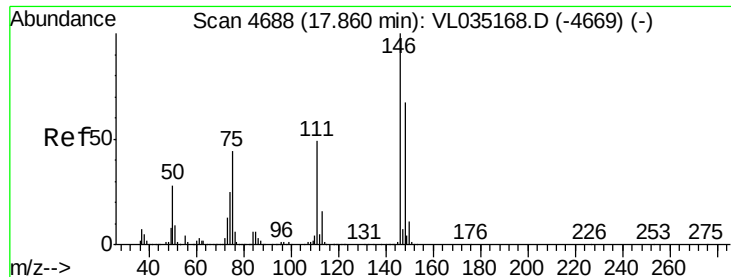
Tot Ion:146 Resp: 2015568
 Ion Ratio Lower Upper
 146 100
 111 49.7 24.7 74.1
 148 65.3 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 9.489 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

Tgt Ion:146 Resp: 2049920
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.8 71.2
 148 65.0 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 9.483 ppbv

RT: 17.84 min Scan# 4681

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

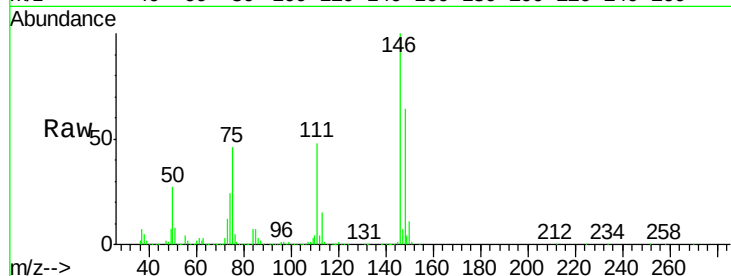
Tot Ion:146 Resp: 1984623

Ion Ratio Lower Upper

146 100

111 48.9 25.1 75.2

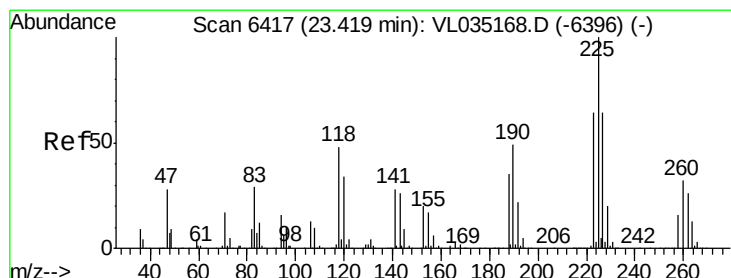
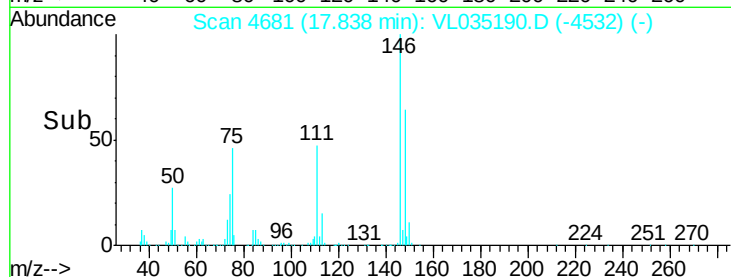
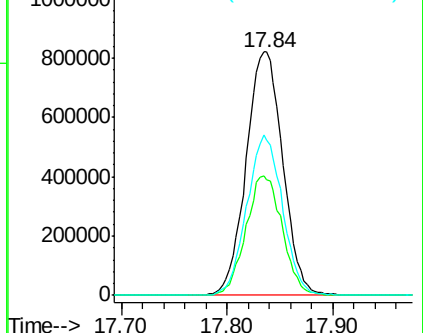
148 64.2 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.814 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

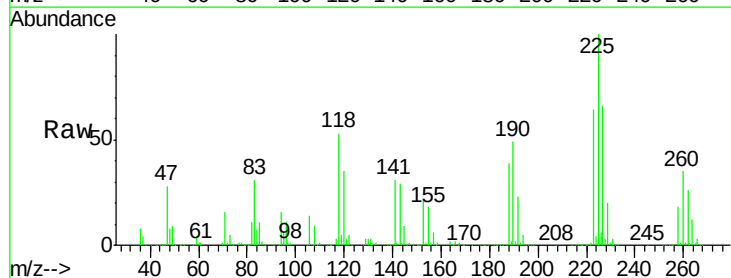
Tgt Ion:225 Resp: 1457716

Ion Ratio Lower Upper

225 100

223 63.5 50.2 75.2

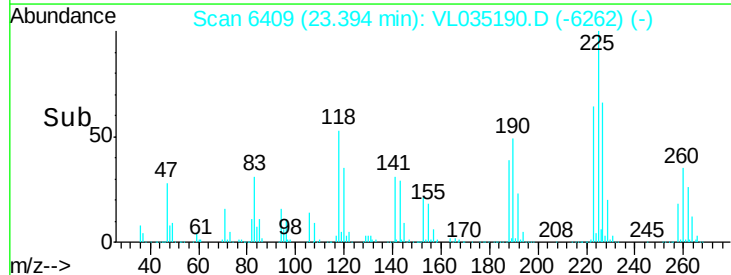
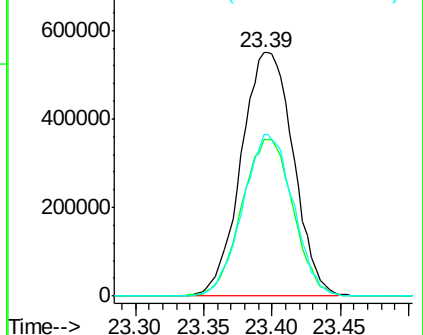
227 64.4 51.2 76.8

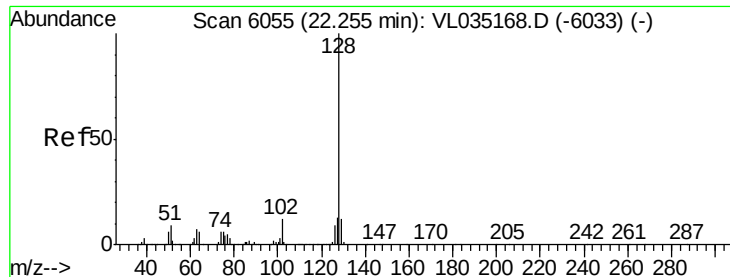


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.686 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

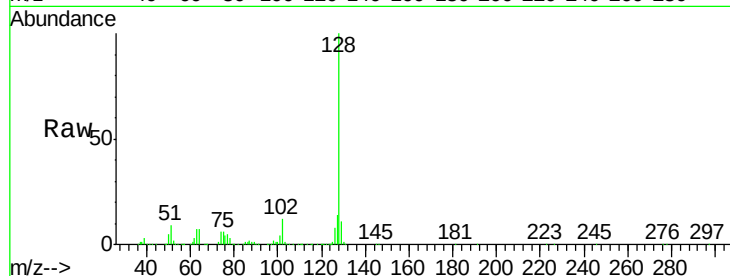
Tot Ion:128 Resp: 3013044

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

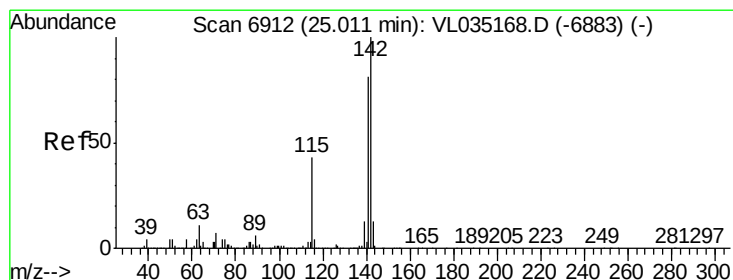
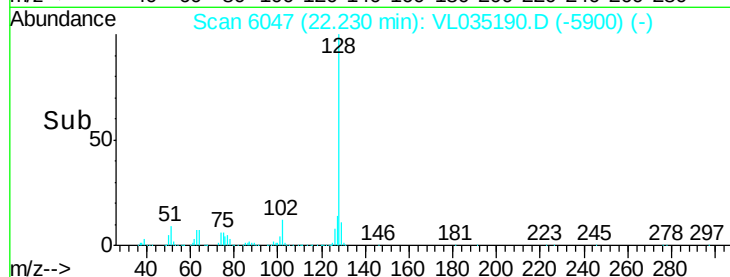
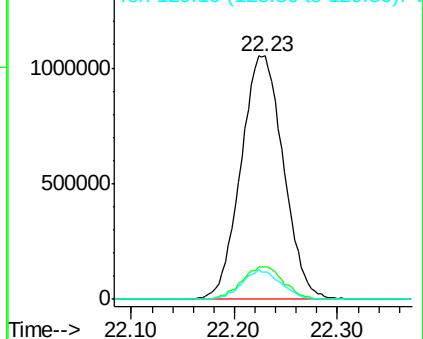
129 11.1 9.4 14.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 21.008 ppbv

RT: 24.99 min Scan# 6906

Delta R.T. -0.02 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

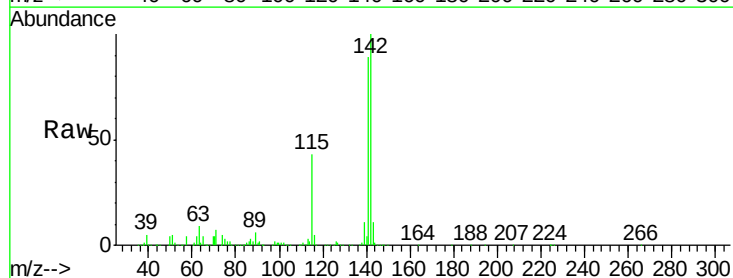
Tgt Ion:142 Resp: 1178640

Ion Ratio Lower Upper

142 100

141 84.3 68.2 102.4

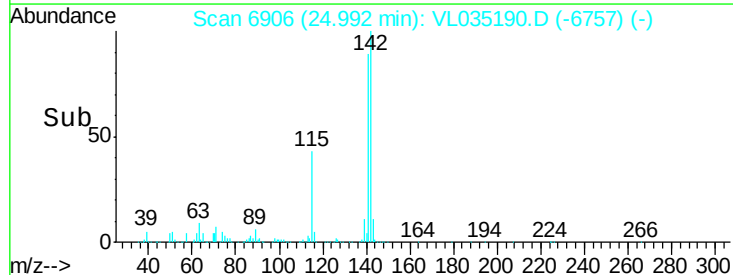
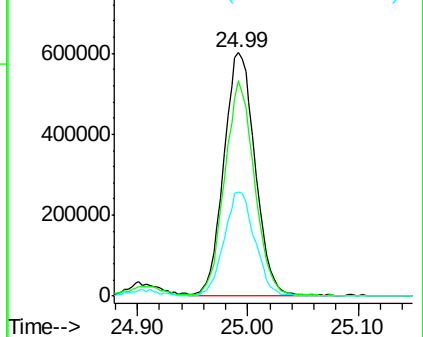
115 42.0 34.4 51.6

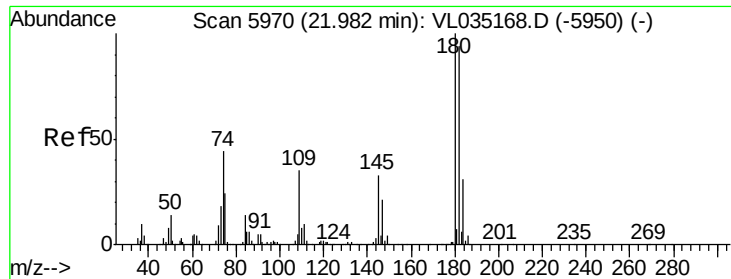


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 11.159 ppbv

RT: 21.96 min Scan# 5962

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

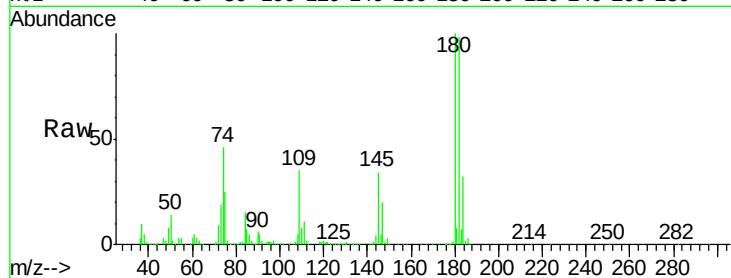
Tot Ion:180 Resp: 1679031

Ion Ratio Lower Upper

180 100

182 96.1 76.7 115.1

184 30.9 25.0 37.6



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

