

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 04:06:06 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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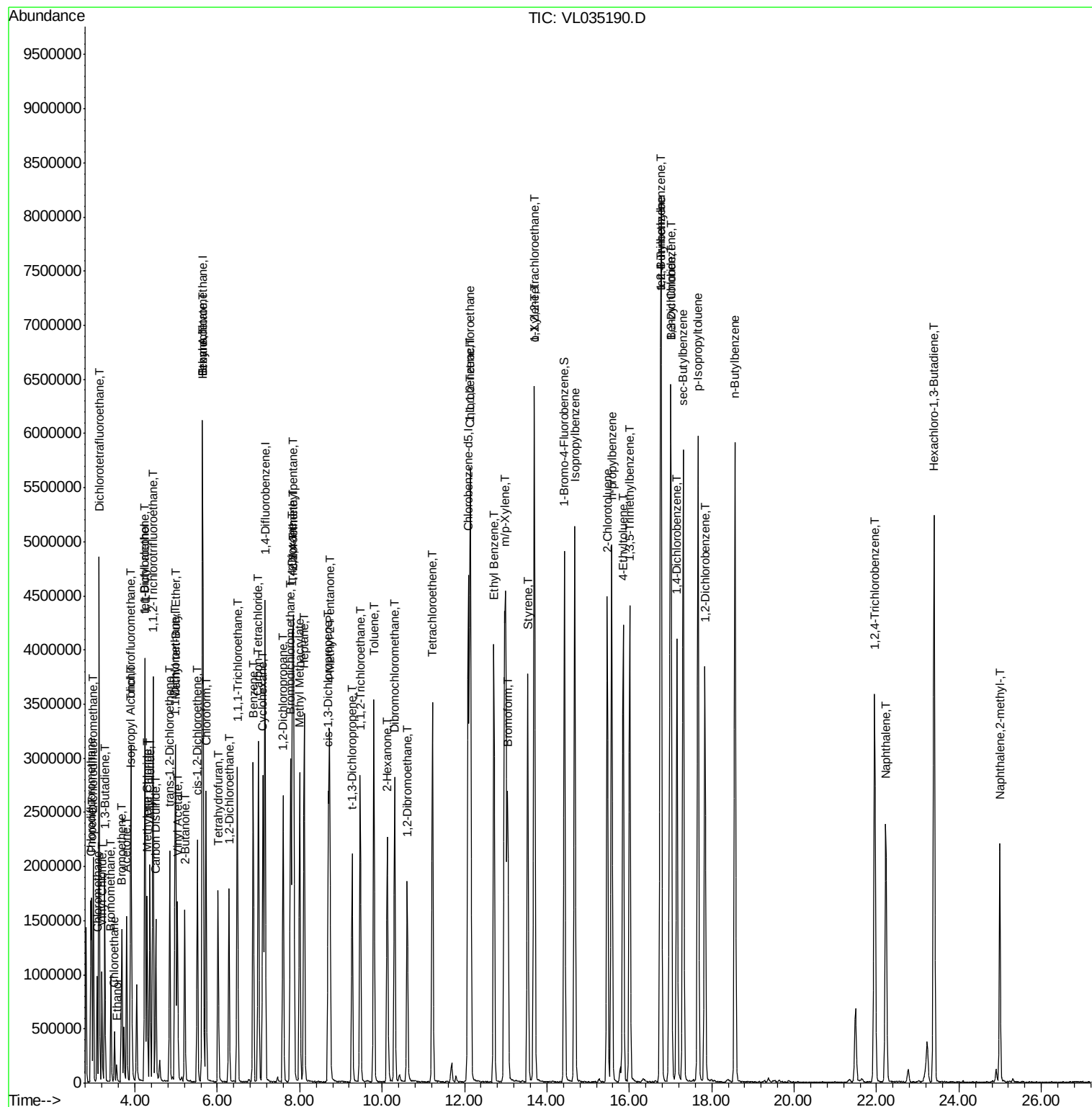
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4092038	10.369	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1251558	12.326	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1458399	12.116	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	997552	10.024	ppbv	95
48) Dibromochloromethane	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	3380570	11.033	ppbv #	41
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

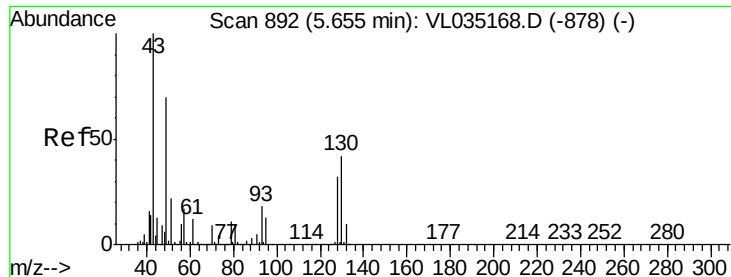
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

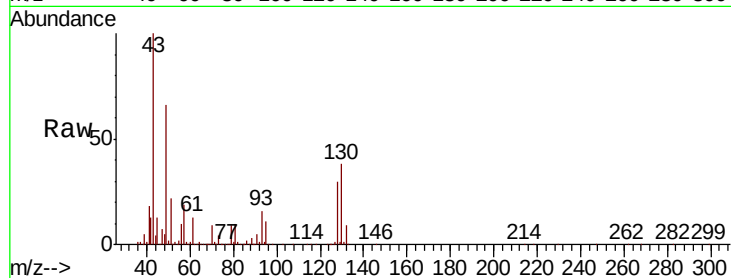
Tot Ion: 49 Resp: 1321443

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): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.64

800000

600000

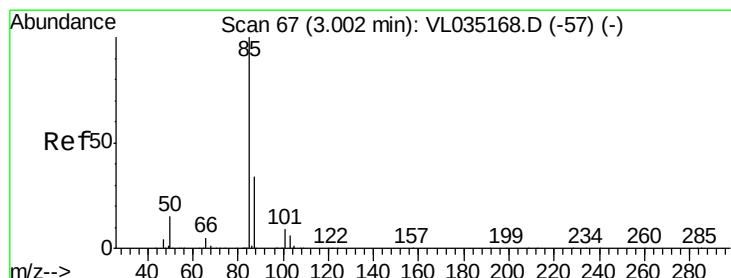
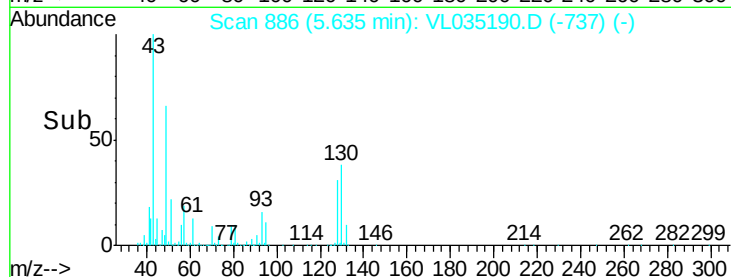
400000

200000

0

Time-->

5.60 5.65 5.70



#2

Dichlorodifluoromethane

Concen: 7.306 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL035190.D

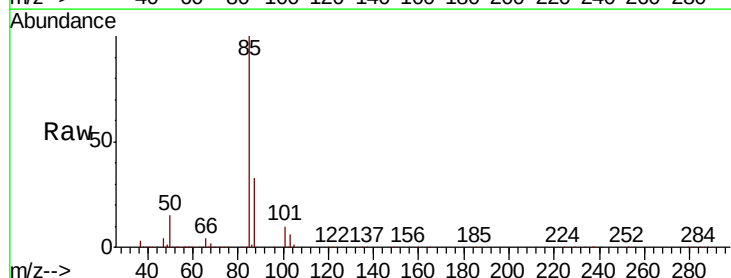
Acq: 16 Jul 2020 9:59

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

1200000

1000000

800000

600000

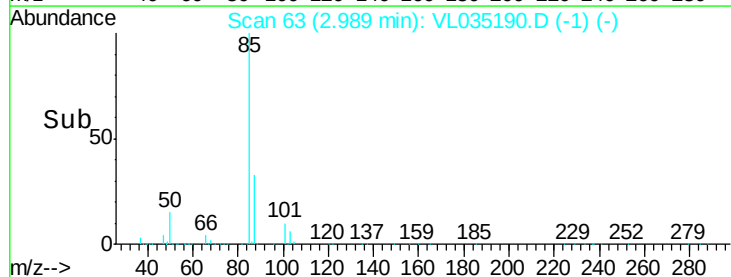
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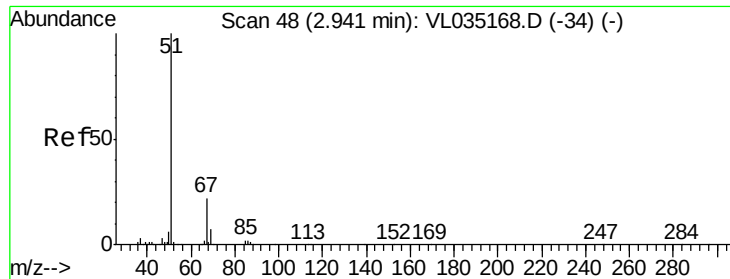
200000

0

Time-->

2.95 3.00 3.05

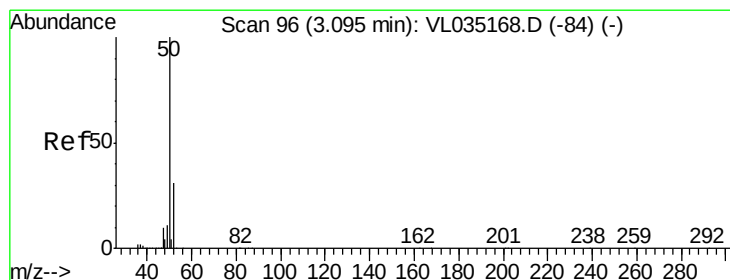
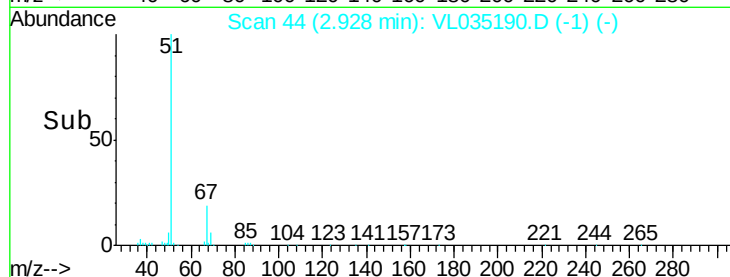
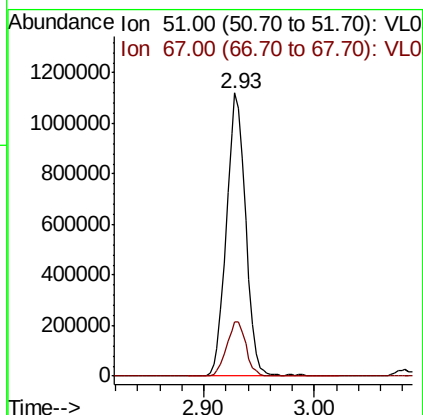
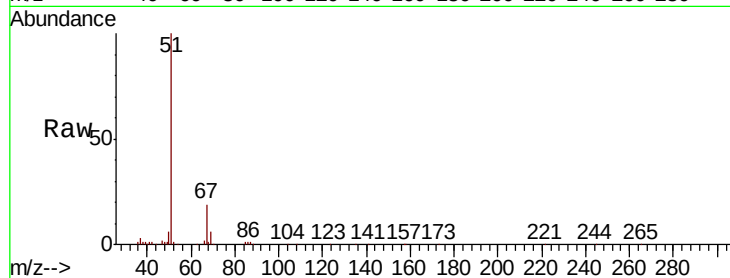




#3
 Chlorodifluoromethane
 Concen: 9.305 ppbv
 RT: 2.93 min Scan# 44
 Delta R.T. -0.01 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

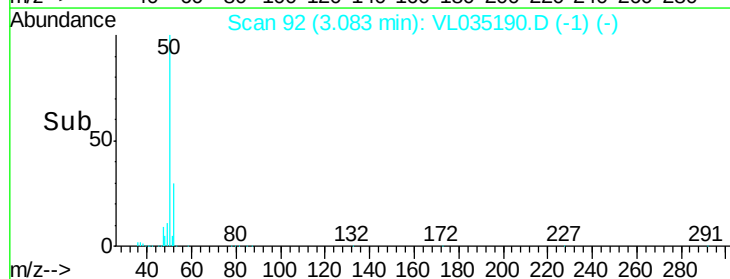
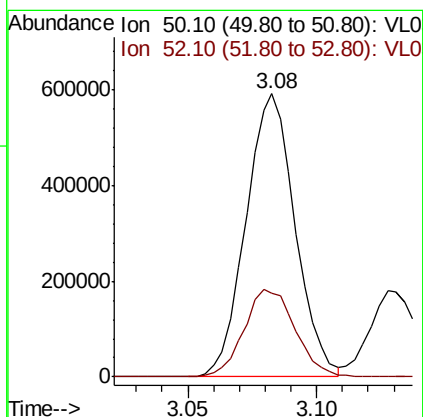
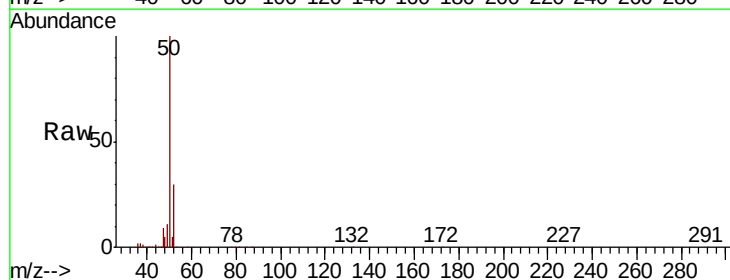
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

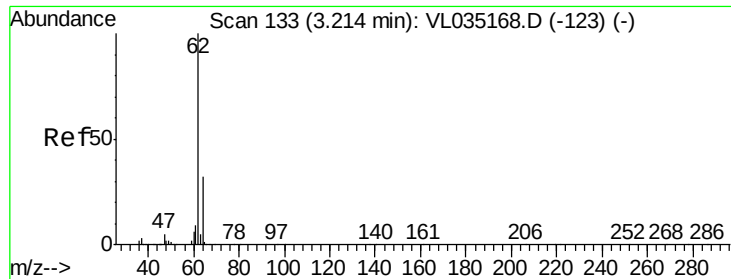
Tot Ion: 51 Resp: 1358245
 Ion Ratio Lower Upper
 51 100
 67 19.3 16.6 24.8



#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 :

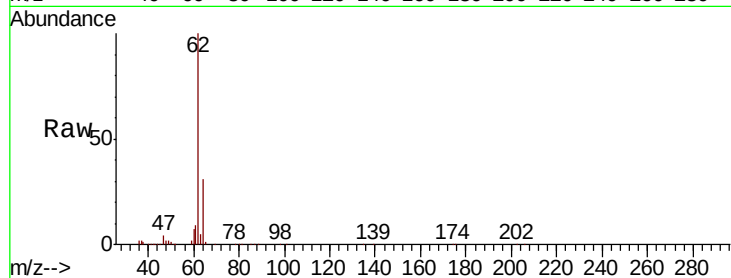
VSTDCCC010

Tot Ion: 62 Resp: 776630

Ion Ratio Lower Upper

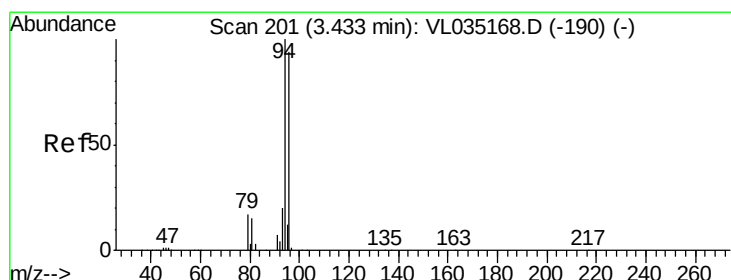
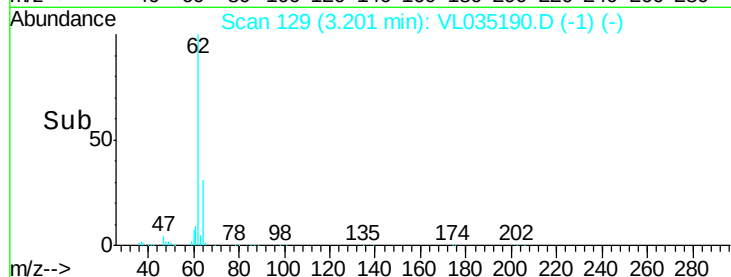
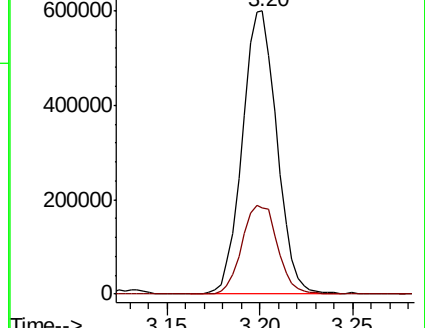
62 100

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

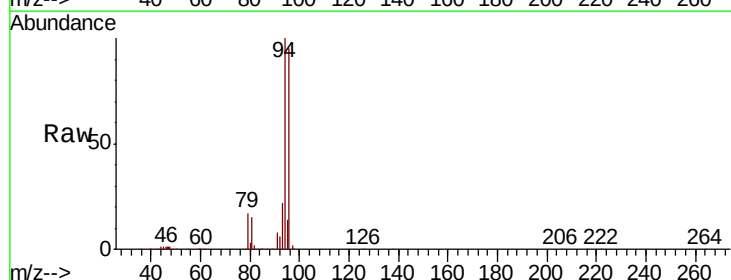
Acq: 16 Jul 2020 9:59

Tgt Ion: 94 Resp: 476457

Ion Ratio Lower Upper

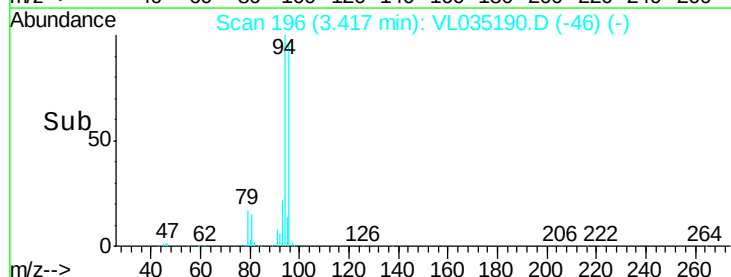
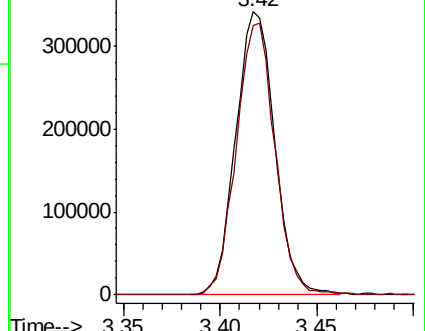
94 100

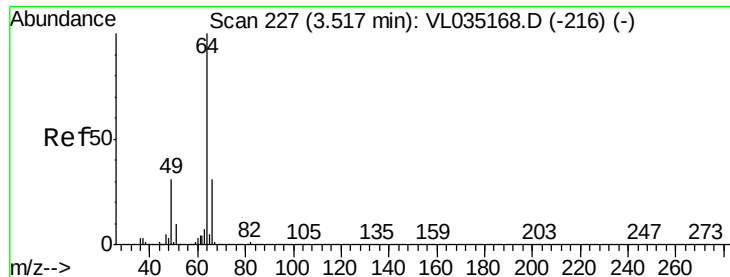
96 95.2 74.8 112.2



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 :

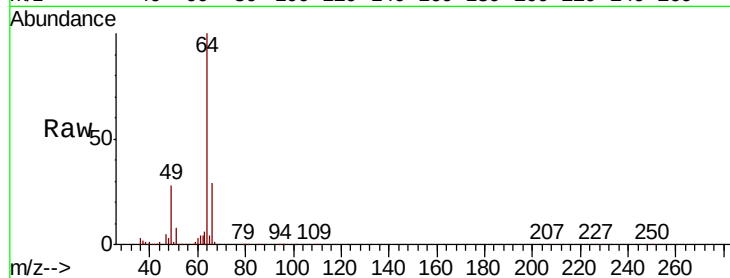
VSTDCCC010

Tot Ion: 64 Resp: 292387

Ion Ratio Lower Upper

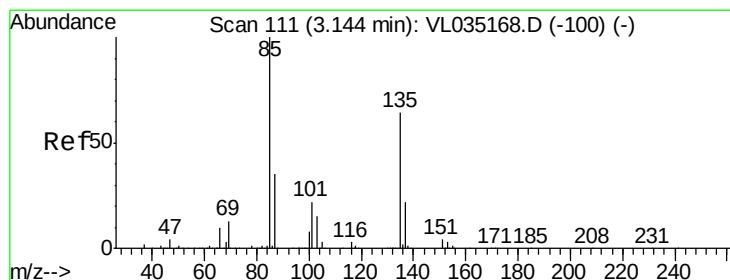
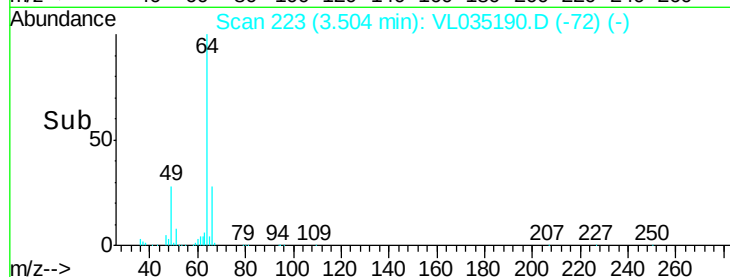
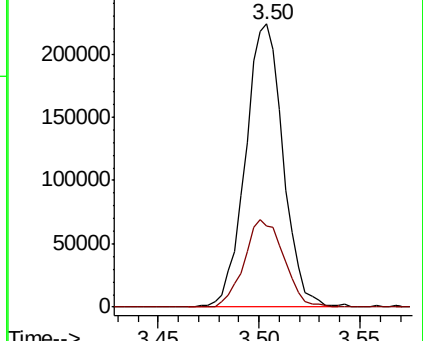
64 100

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

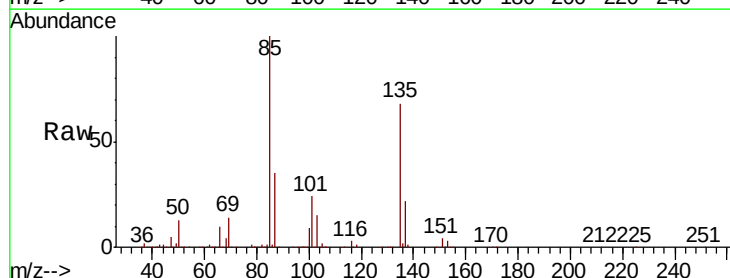
Acq: 16 Jul 2020 9:59

Tgt Ion: 85 Resp: 1769718

Ion Ratio Lower Upper

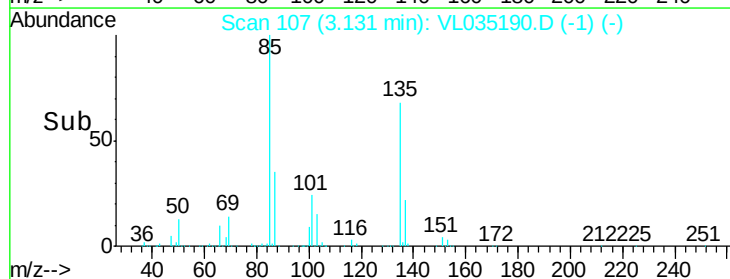
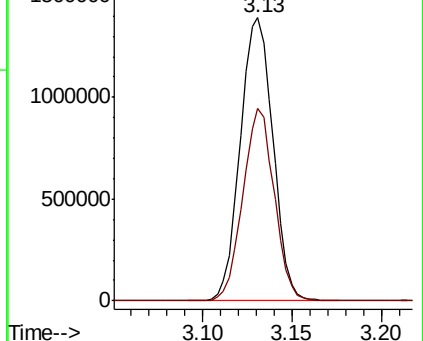
85 100

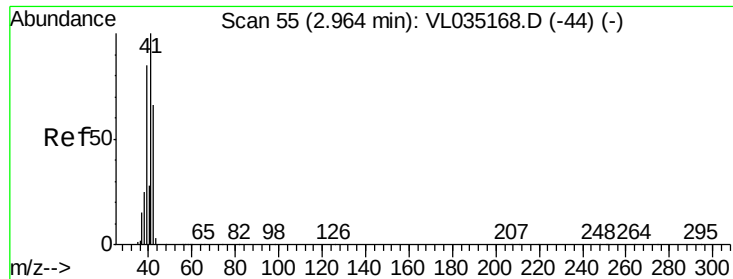
135 65.6 52.1 78.1



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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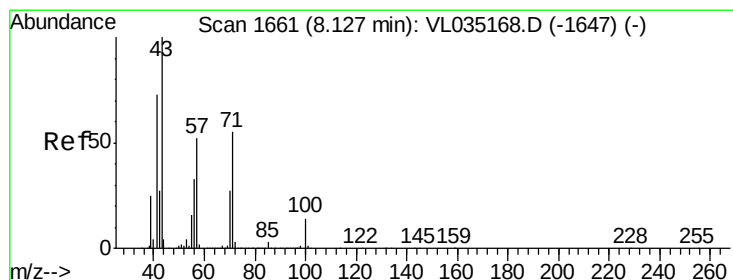
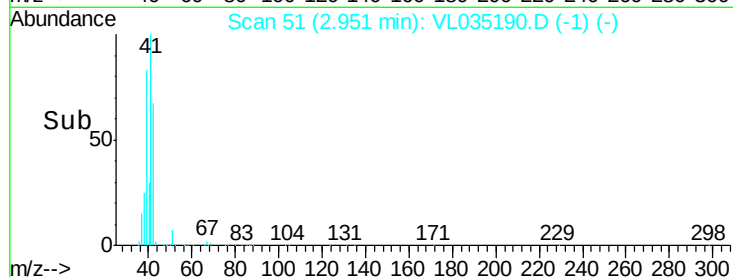
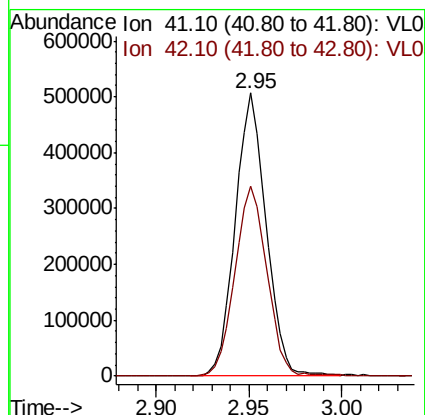
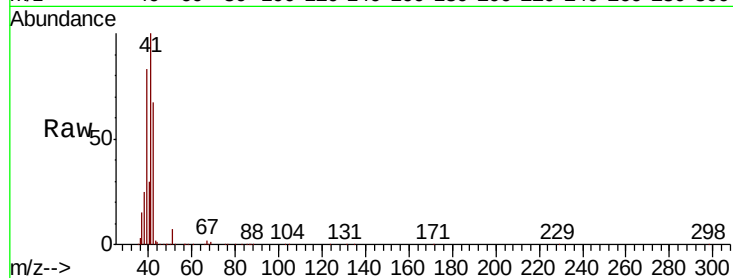
VSTDCCC010

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

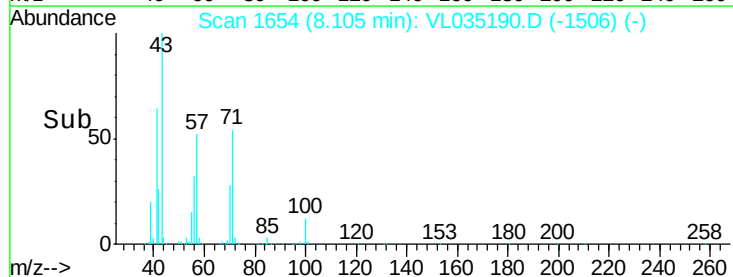
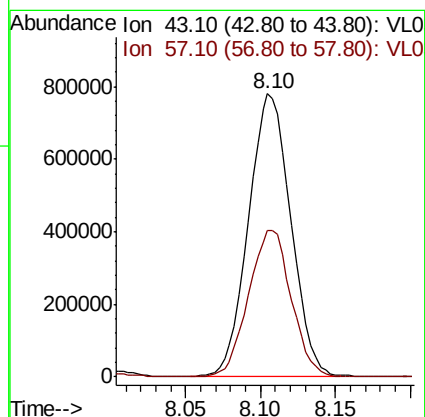
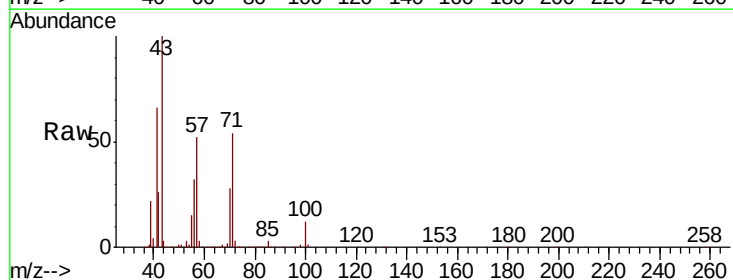
Acq: 16 Jul 2020 9:59

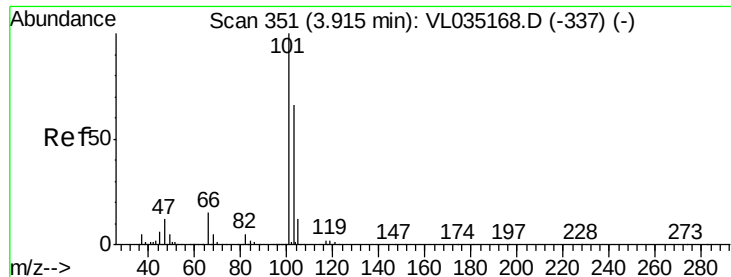
Tgt Ion: 43 Resp: 1529034

Ion Ratio Lower Upper

43 100

57 52.1 41.8 62.6

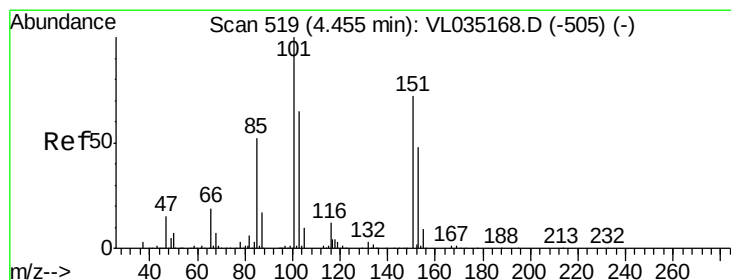
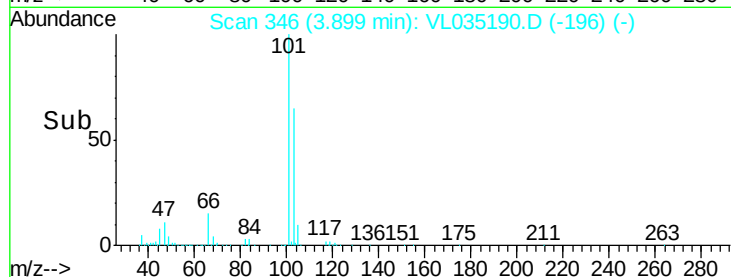
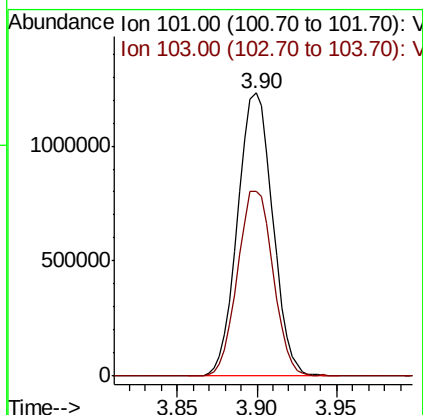
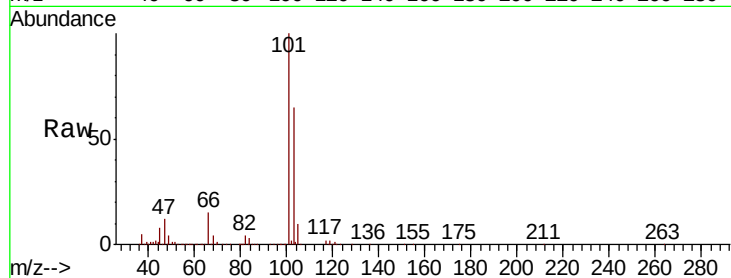




#11
 Trichlorofluoromethane
 Concen: 8.772 ppbv
 RT: 3.90 min Scan# 346
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

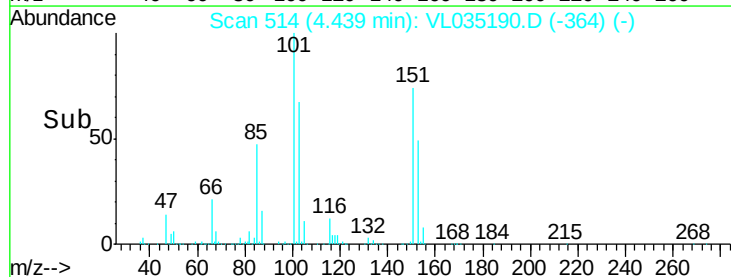
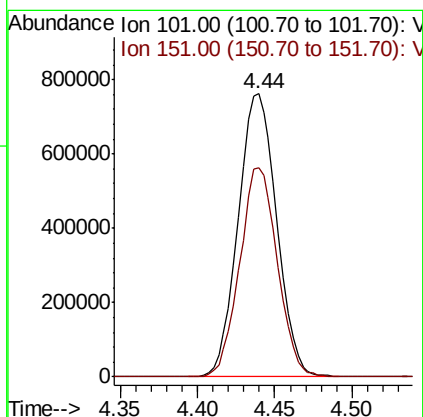
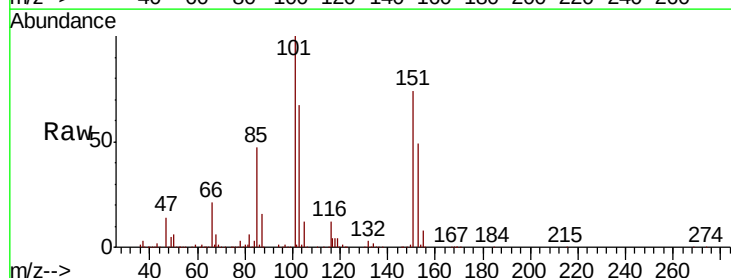
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

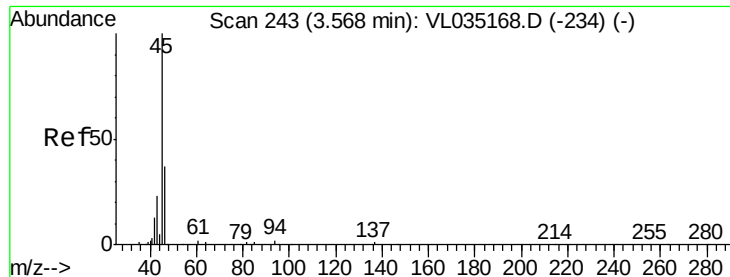
Tot Ion:101 Resp: 1834464
 Ion Ratio Lower Upper
 101 100
 103 65.5 53.1 79.7



#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 :

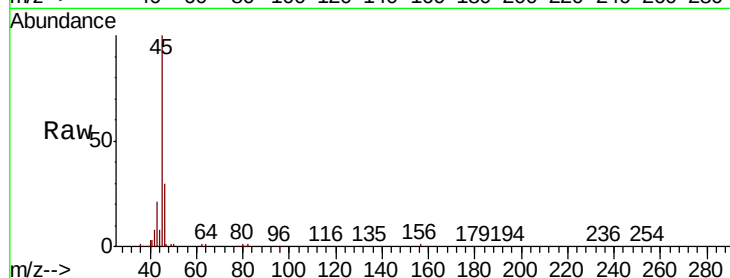
VSTDCCC010

Tot Ion: 45 Resp: 139227

Ion Ratio Lower Upper

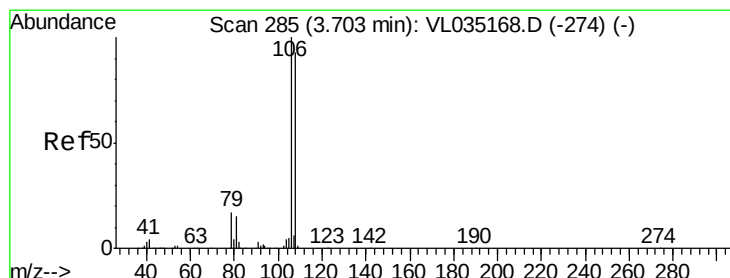
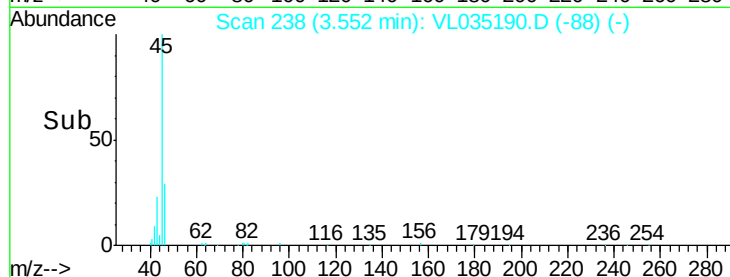
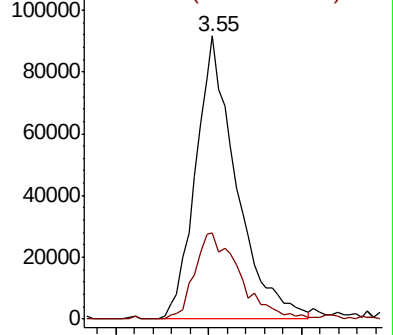
45 100

46 33.9 16.2 65.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#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

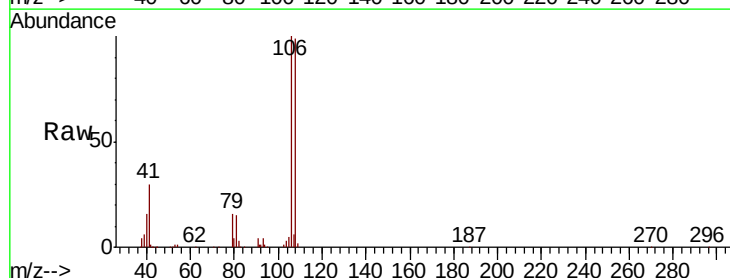
Tgt Ion: 108 Resp: 599679

Ion Ratio Lower Upper

108 100

106 105.7 86.2 129.2

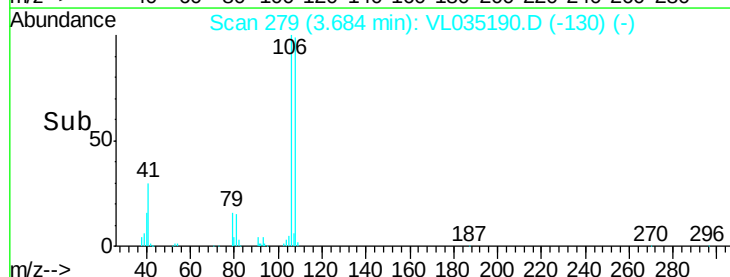
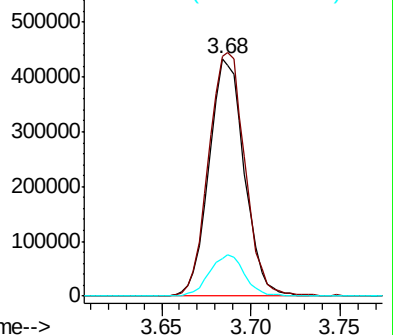
79 17.9 15.0 22.6

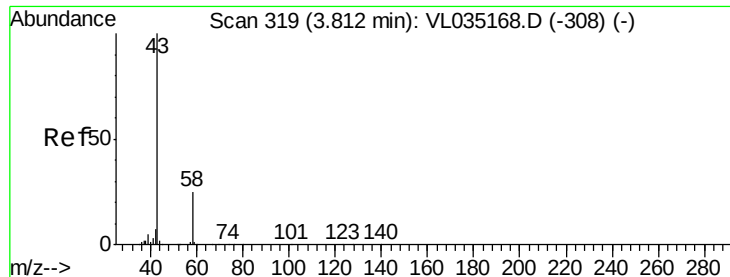


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#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 :

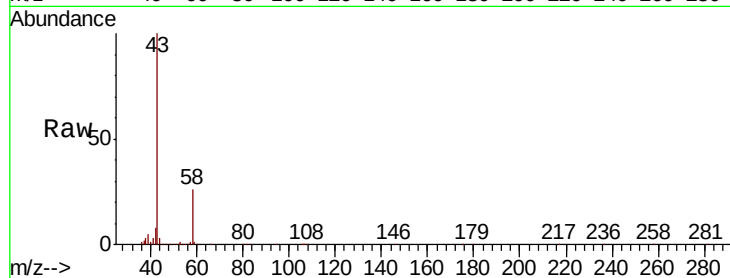
VSTDCCC010

Tot Ion: 43 Resp: 1415364

Ion Ratio Lower Upper

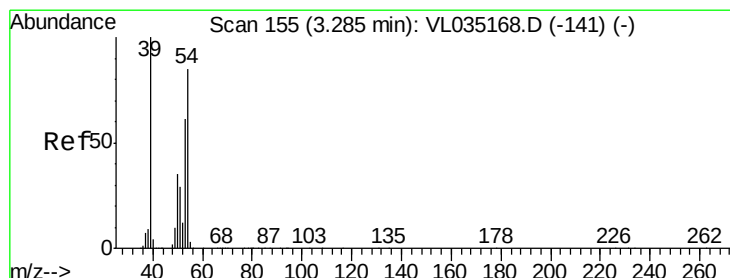
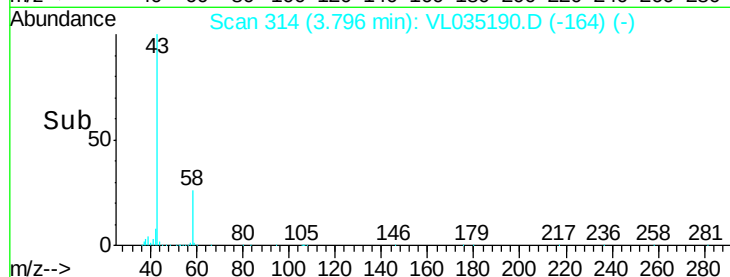
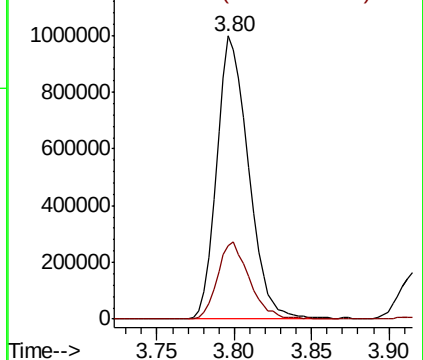
43 100

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

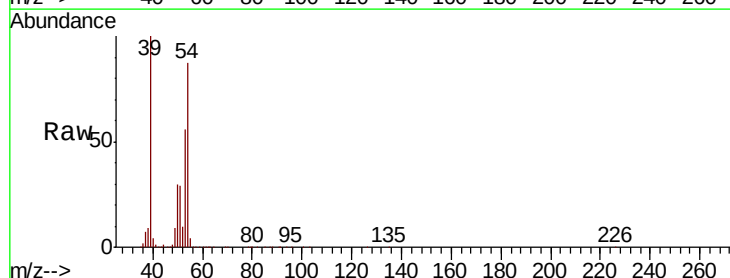
Acq: 16 Jul 2020 9:59

Tgt Ion: 39 Resp: 703869

Ion Ratio Lower Upper

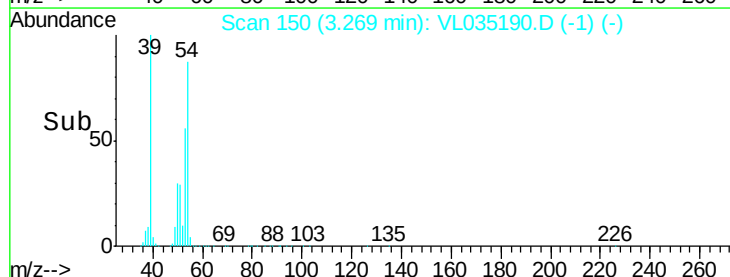
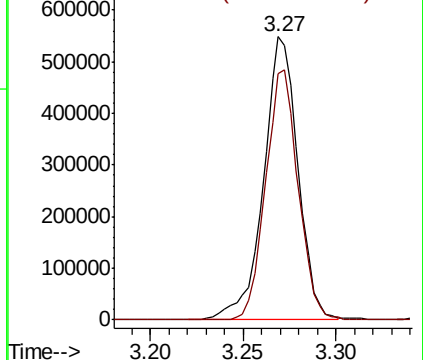
39 100

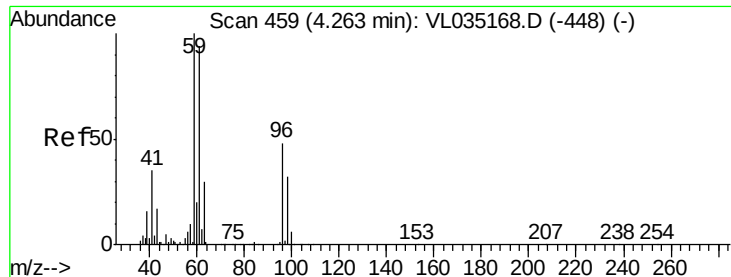
54 84.0 67.2 100.8



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 :

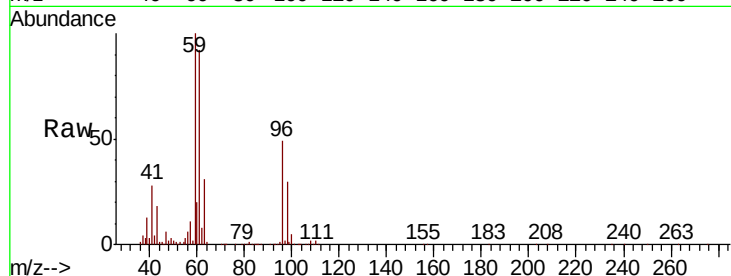
VSTDCCC010

Tot Ion: 59 Resp: 1630036

Ion Ratio Lower Upper

59 100

57 10.7 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.24

800000

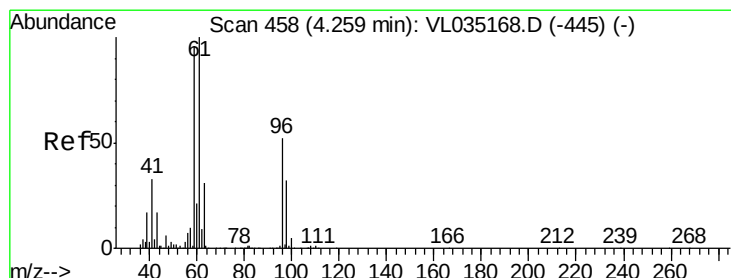
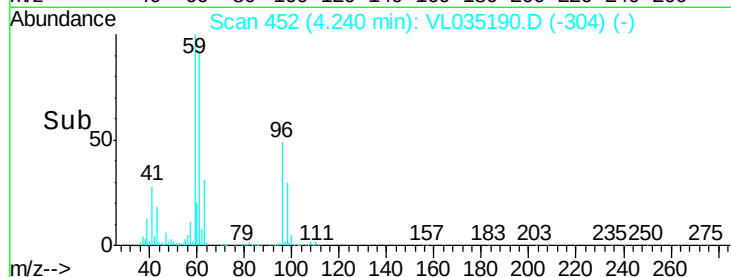
600000

400000

200000

0

Time-->



#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

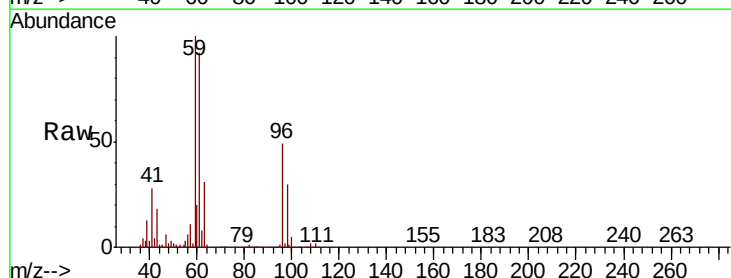
Tgt Ion: 96 Resp: 618940

Ion Ratio Lower Upper

96 100

61 187.9 152.9 229.3

98 60.1 48.7 73.1



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

1000000

800000

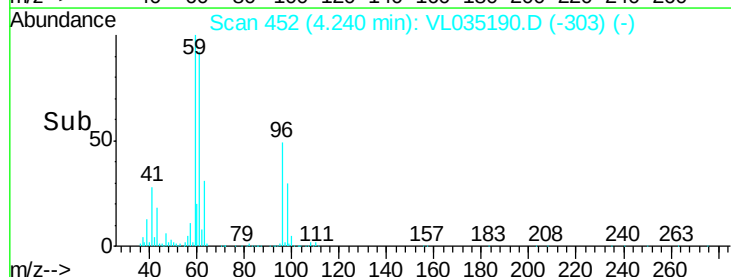
600000

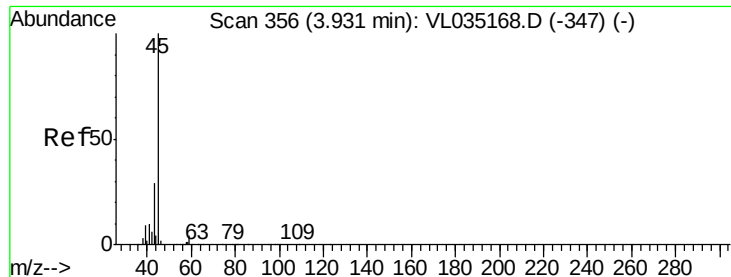
400000

200000

0

Time-->





#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 :

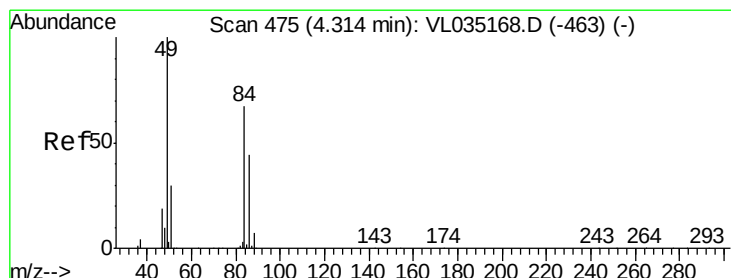
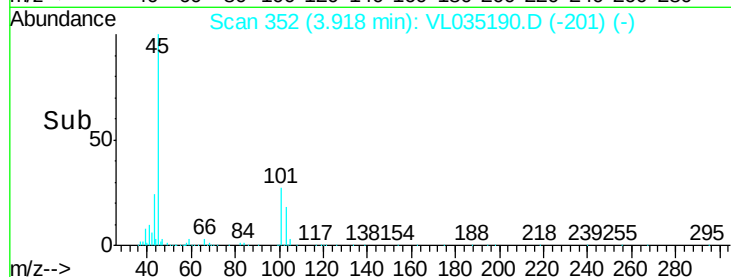
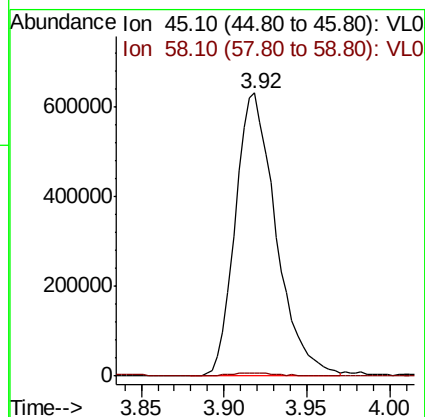
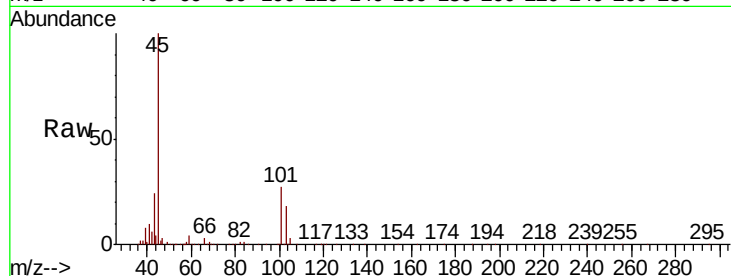
VSTDCCC010

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

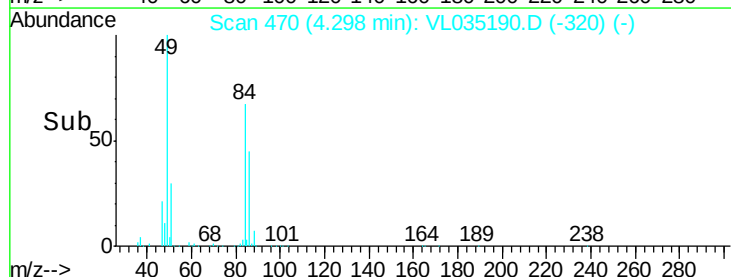
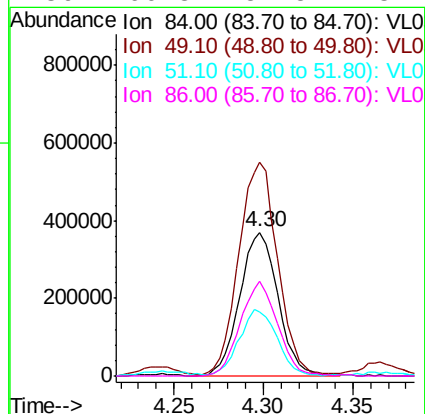
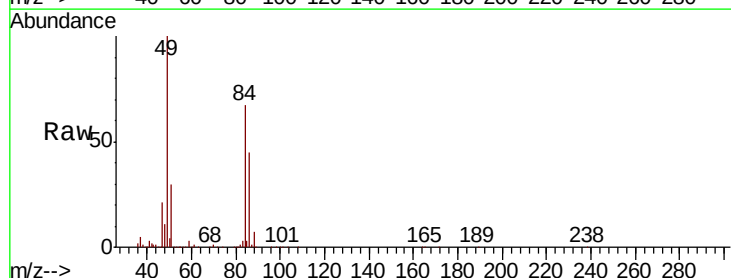
Ion Ratio Lower Upper

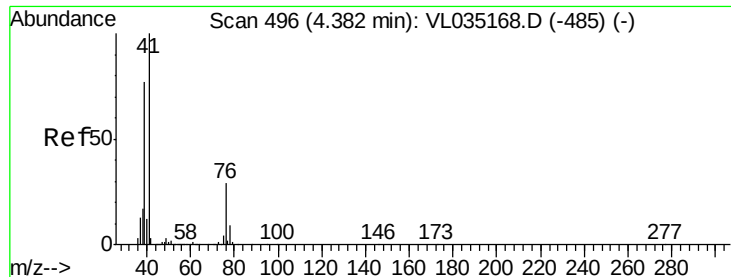
84 100

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

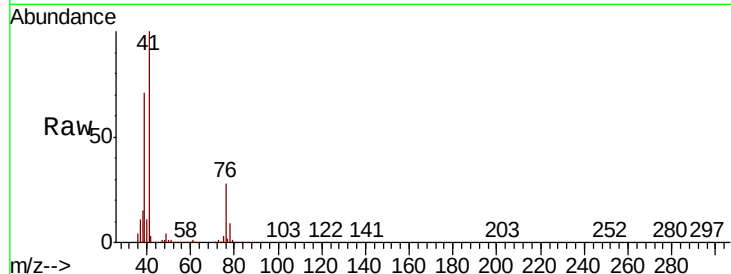
Tot Ion: 41 Resp: 1036742

Ion Ratio Lower Upper

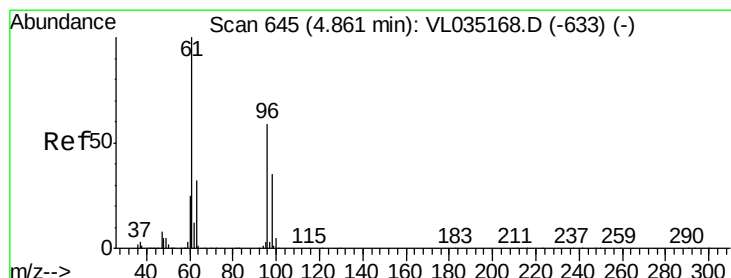
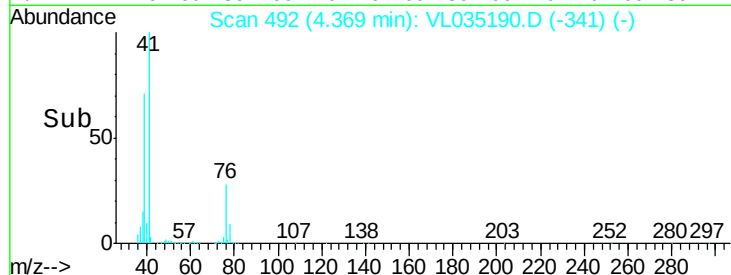
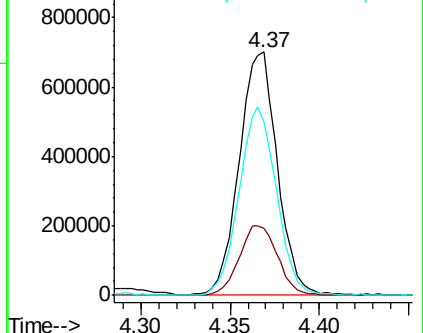
41 100

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

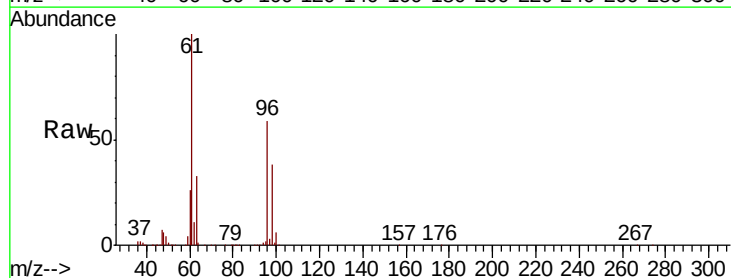
Tgt Ion: 96 Resp: 624721

Ion Ratio Lower Upper

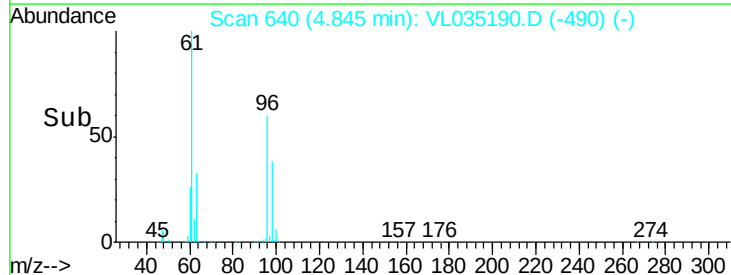
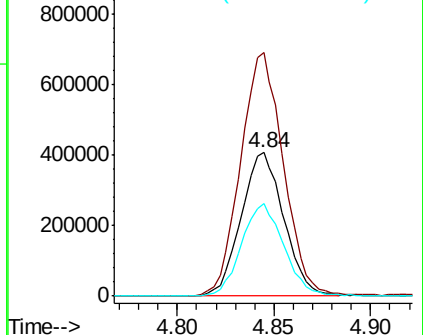
96 100

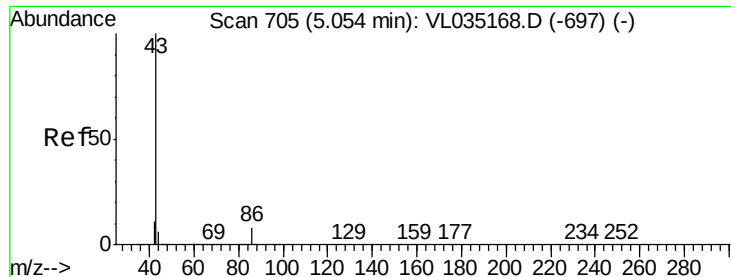
61 169.4 136.5 204.7

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 :

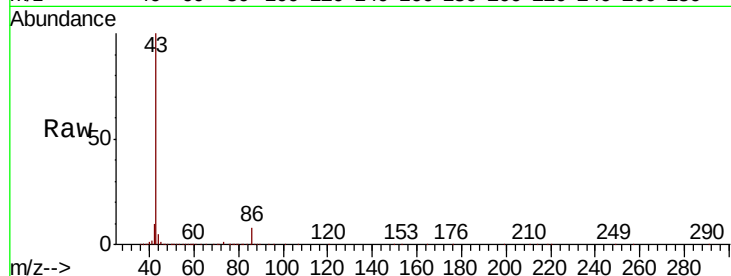
MSVOA_L

ClientSampleId :

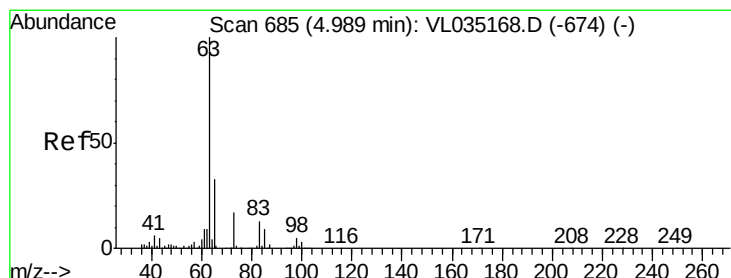
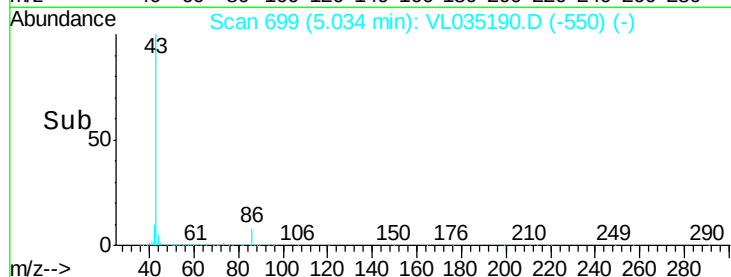
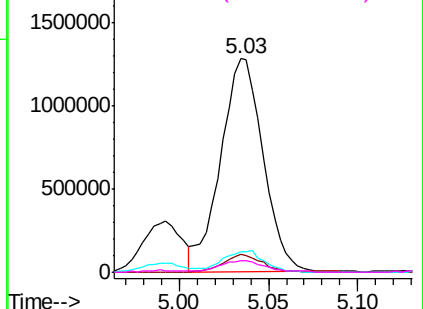
VSTDCCC010

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

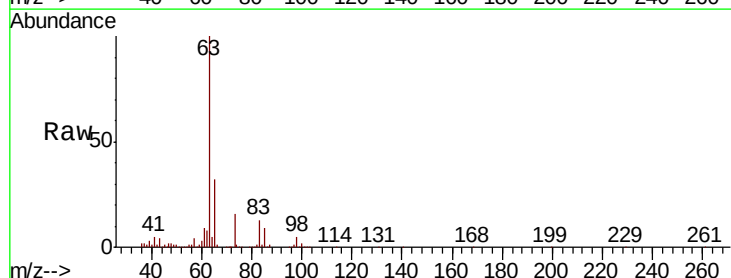
Delta R.T. -0.02 min

Lab File: VL035190.D

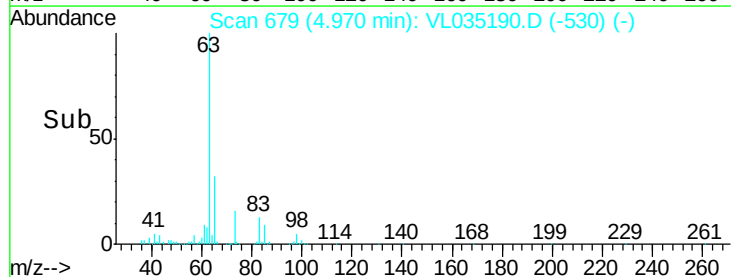
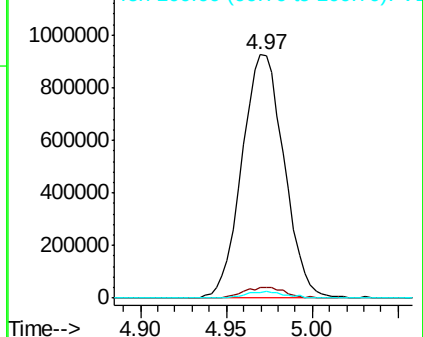
Acq: 16 Jul 2020 9:59

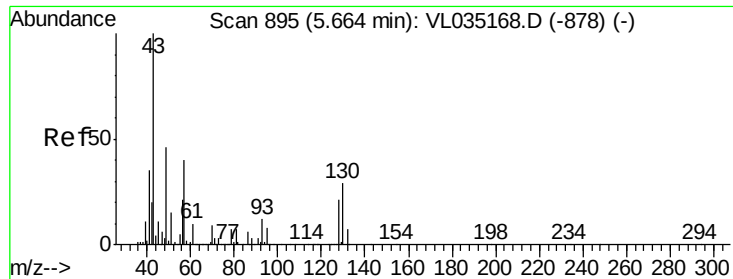
Tgt Ion: 63 Resp: 1571695

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

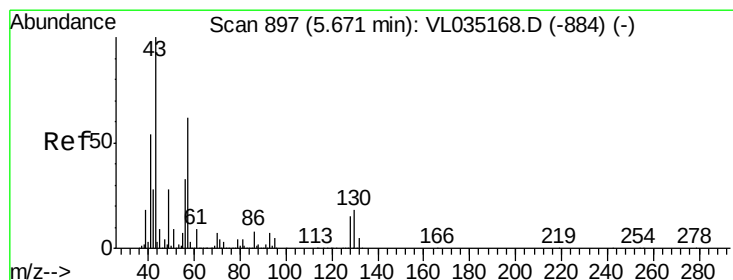
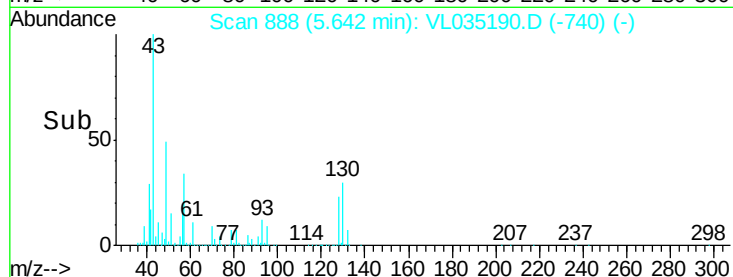
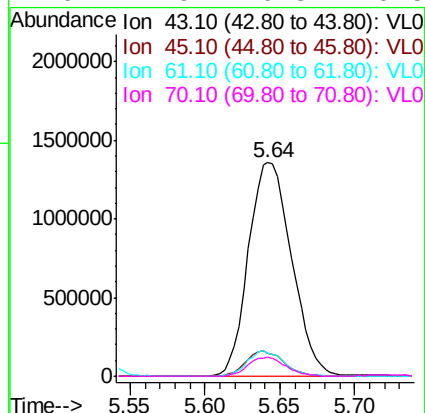
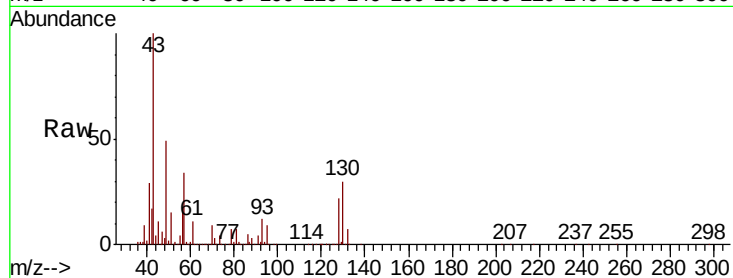




#25
Ethyl Acetate
Concen: 9.795 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

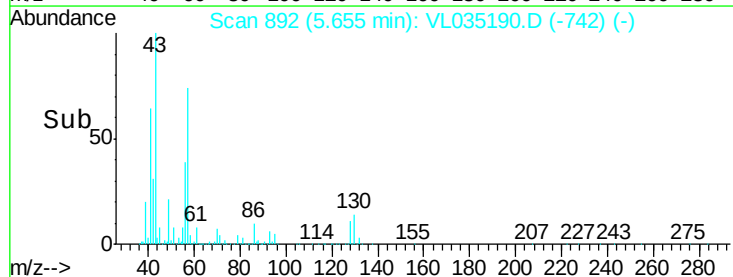
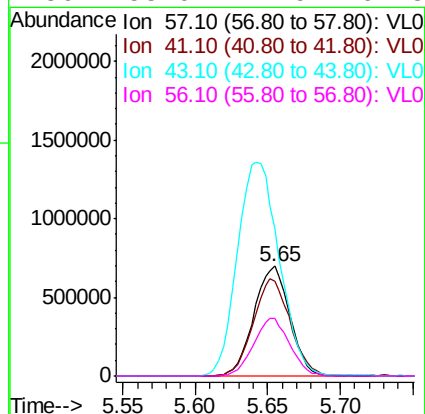
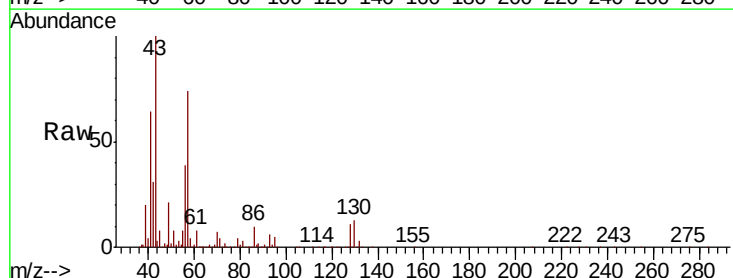
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

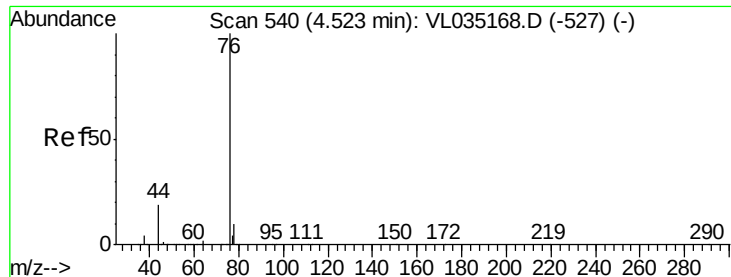
Tot Ion:	43	Resp:	2719306
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	10.4	8.1	12.1
70	7.9	6.3	9.5



#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

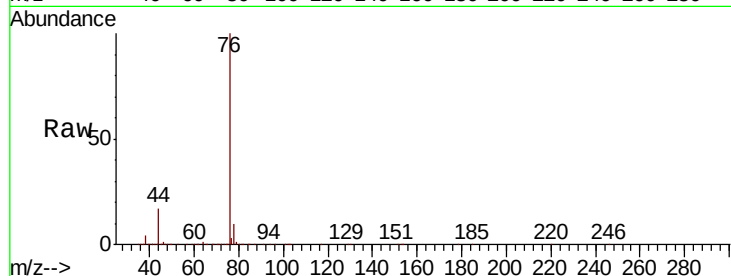
Tot Ion: 76 Resp: 1660825

Ion Ratio Lower Upper

76 100

44 18.6 14.9 22.3

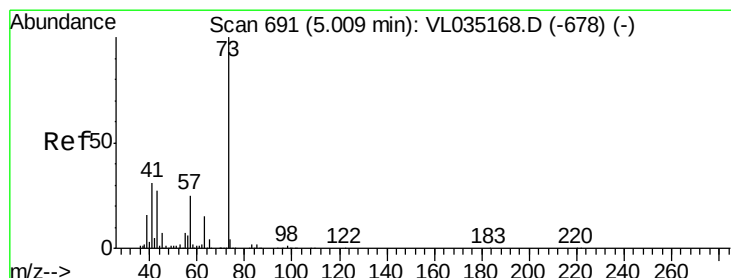
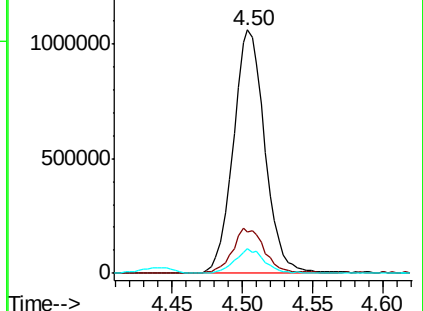
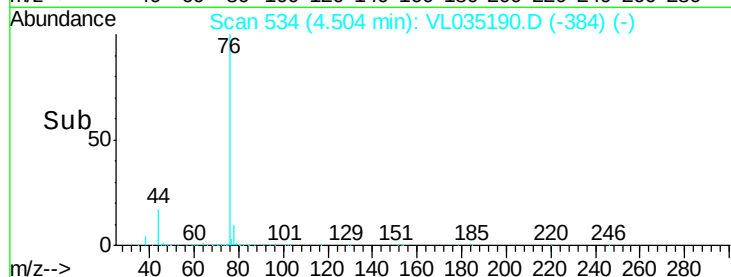
78 9.5 7.5 11.3



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

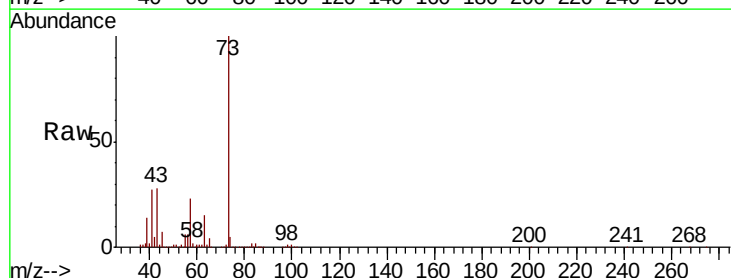
Acq: 16 Jul 2020 9:59

Tgt Ion: 73 Resp: 1944234

Ion Ratio Lower Upper

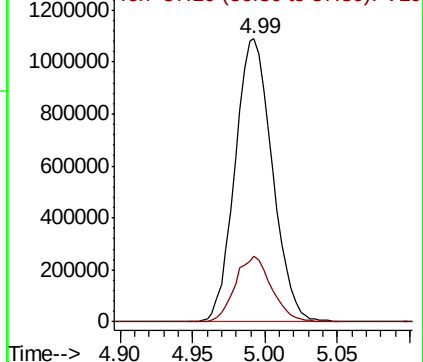
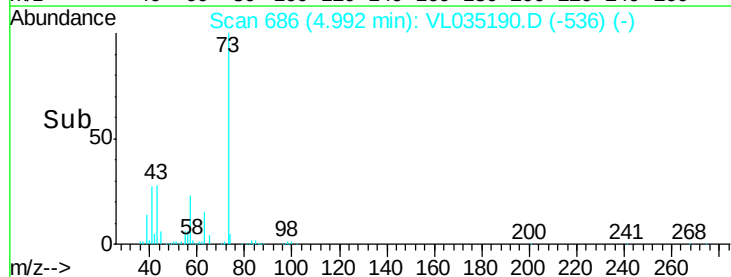
73 100

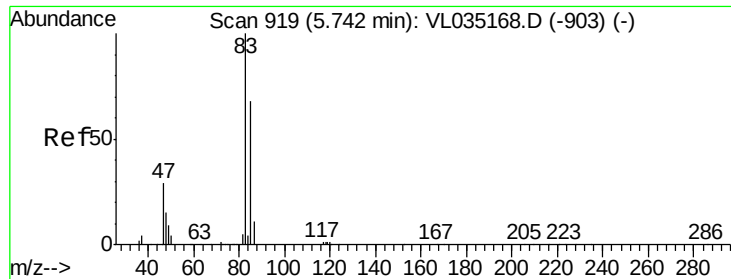
57 22.8 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

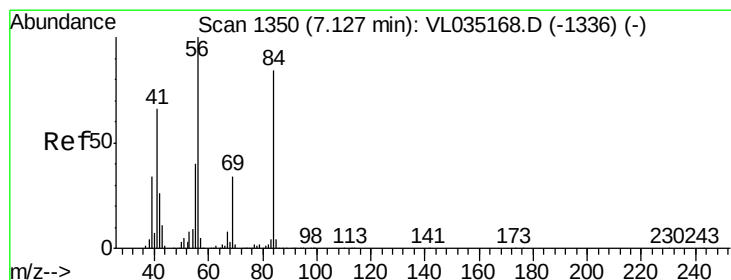
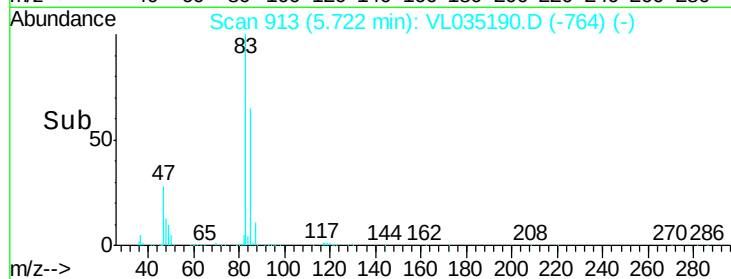
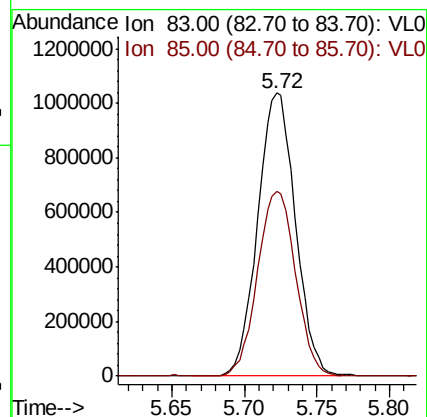
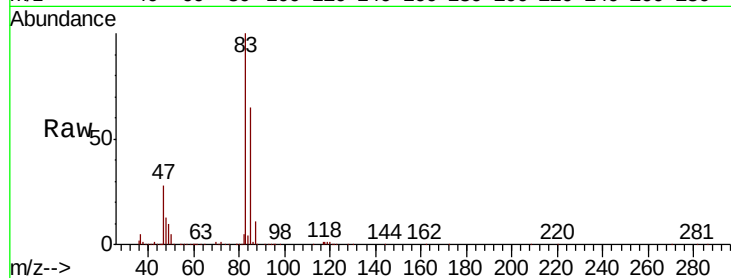




#29
Chloroform
Concen: 9.167 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

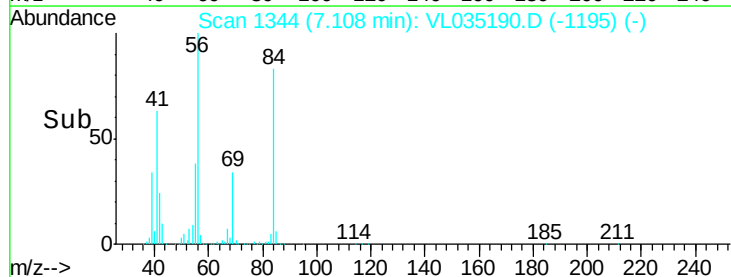
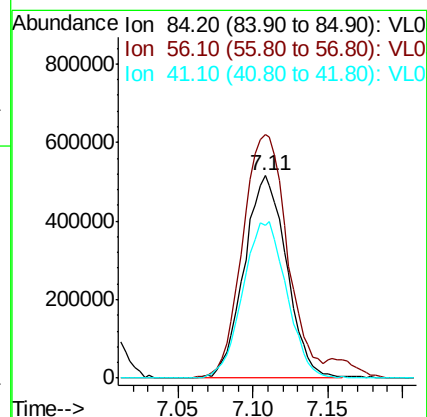
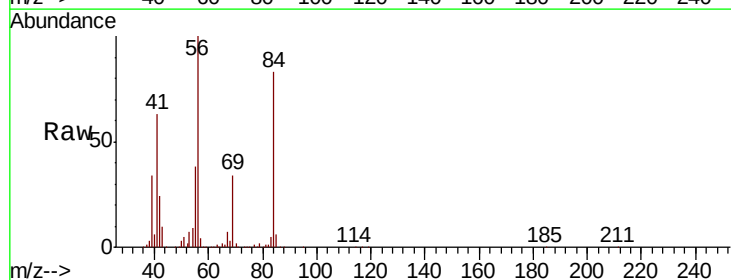
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

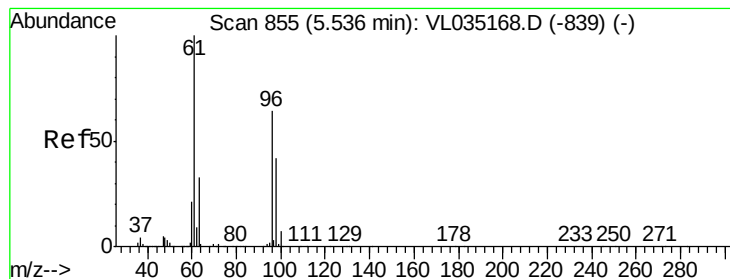
Tot Ion: 83 Resp: 1881388
Ion Ratio Lower Upper
83 100
85 65.0 54.3 81.5



#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

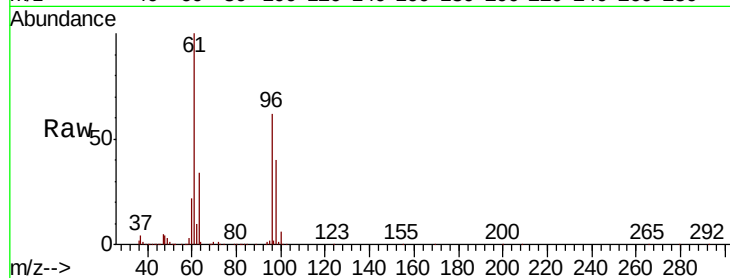
Tot Ion: 61 Resp: 1229292

Ion Ratio Lower Upper

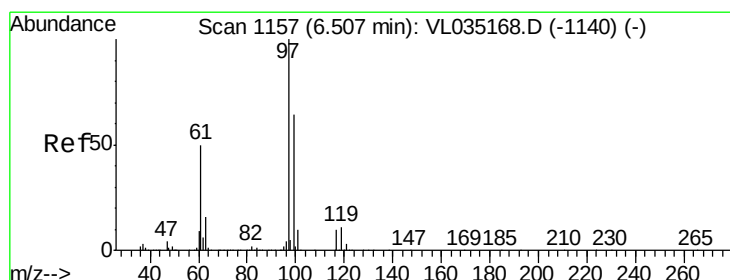
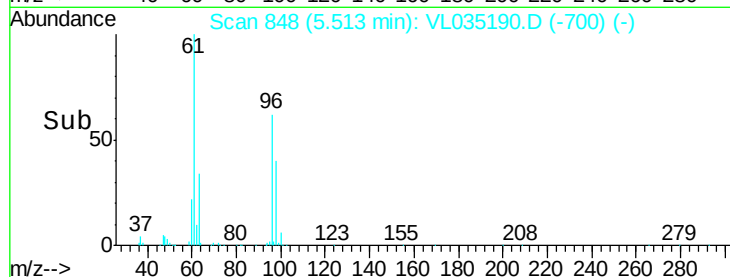
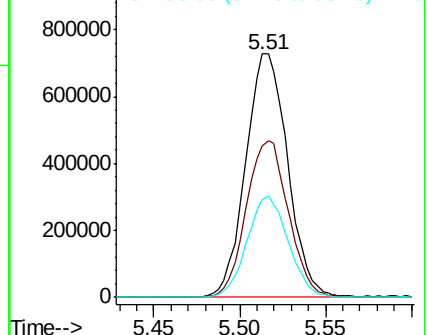
61 100

96 62.1 51.3 76.9

98 40.4 33.8 50.8



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



#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

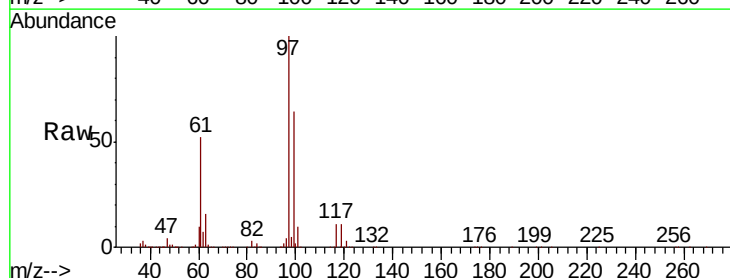
Tgt Ion: 97 Resp: 1862497

Ion Ratio Lower Upper

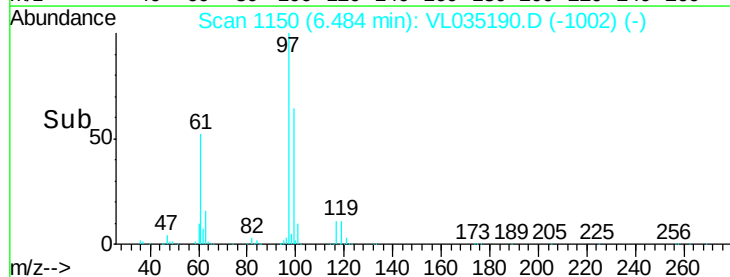
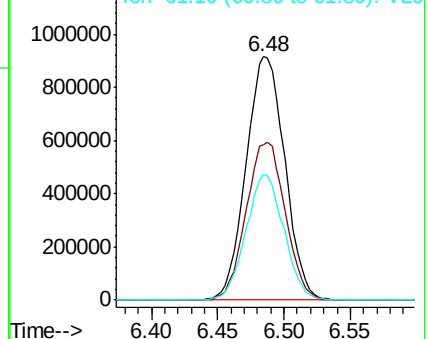
97 100

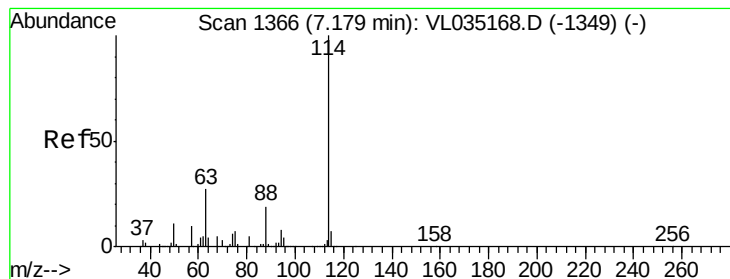
99 65.4 51.2 76.8

61 50.5 40.9 61.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#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

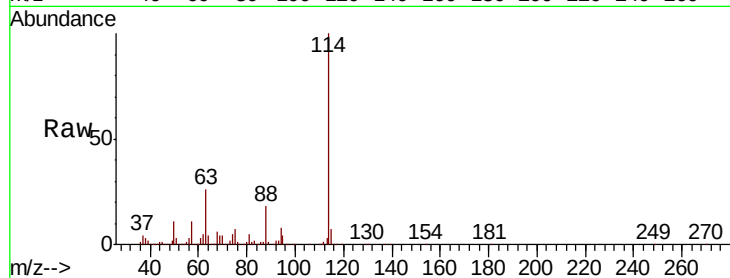
Tot Ion:114 Resp: 3158856

Ion Ratio Lower Upper

114 100

63 27.1 22.0 33.0

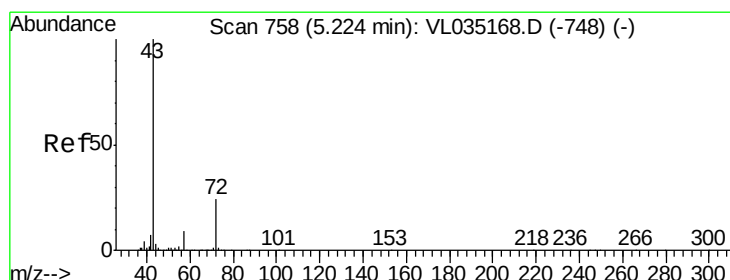
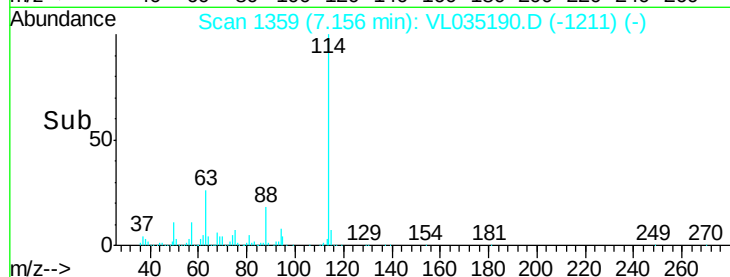
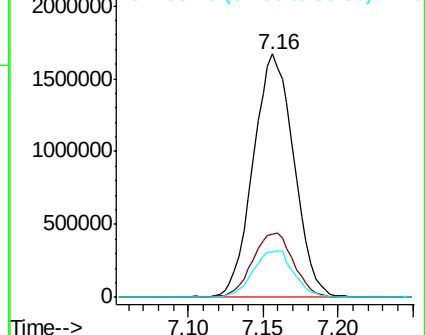
88 19.2 15.4 23.0



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: 10.171 ppbv

RT: 5.21 min Scan# 753

Delta R.T. -0.02 min

Lab File: VL035190.D

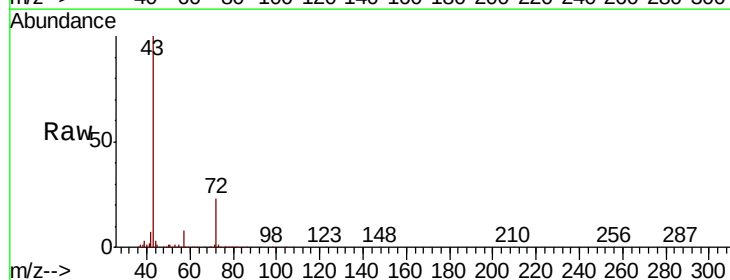
Acq: 16 Jul 2020 9:59

Tgt Ion: 43 Resp: 1714829

Ion Ratio Lower Upper

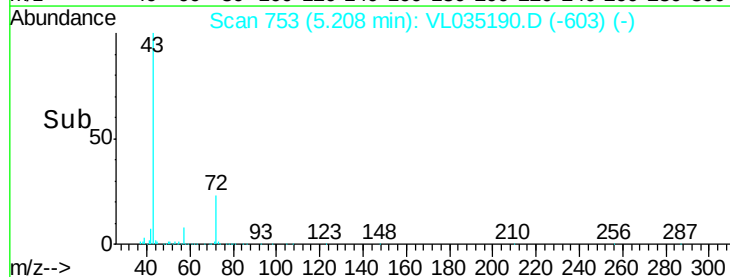
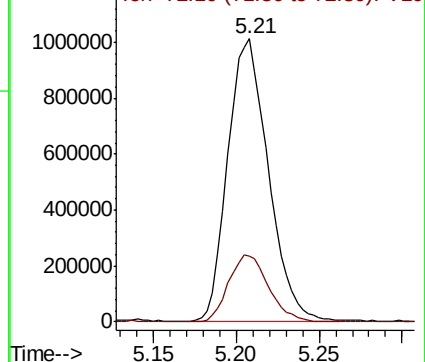
43 100

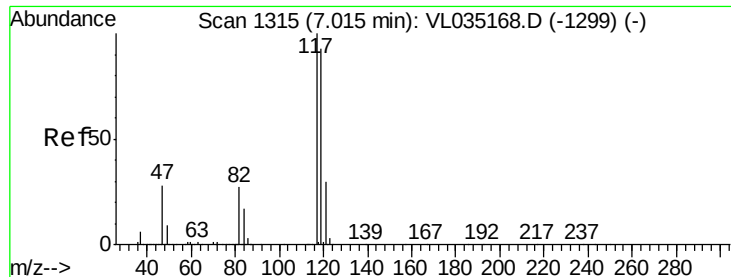
72 23.8 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#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

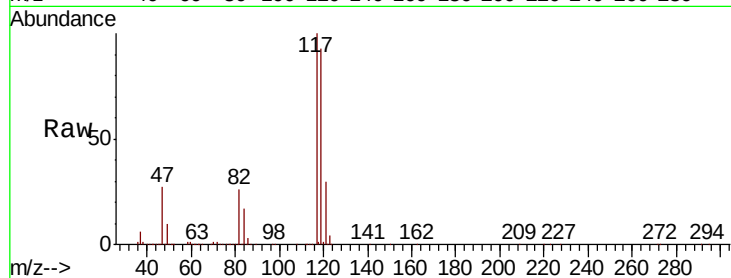
Tot Ion:117 Resp: 1929008

Ion Ratio Lower Upper

117 100

119 93.1 74.8 112.2

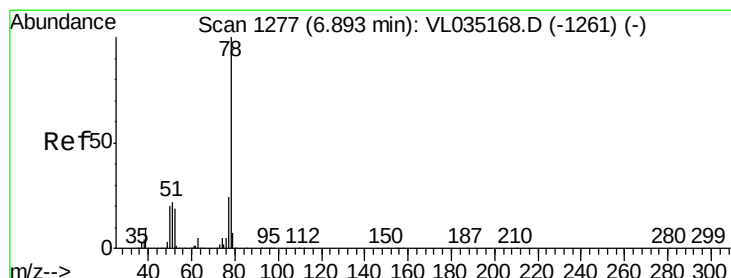
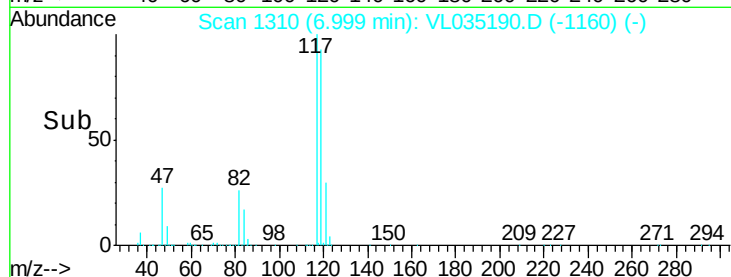
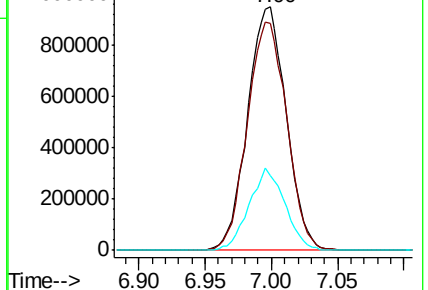
121 30.5 24.2 36.2



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

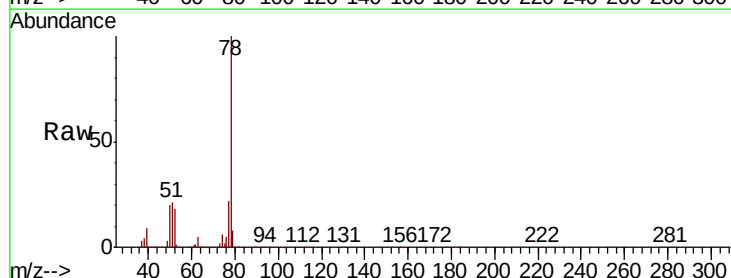
Tgt Ion: 78 Resp: 2409021

Ion Ratio Lower Upper

78 100

77 22.4 19.3 28.9

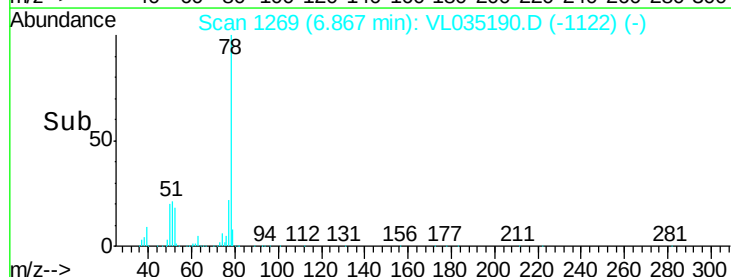
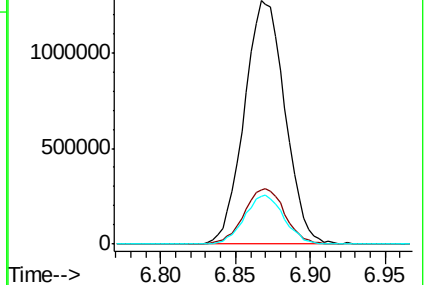
50 19.6 16.0 24.0

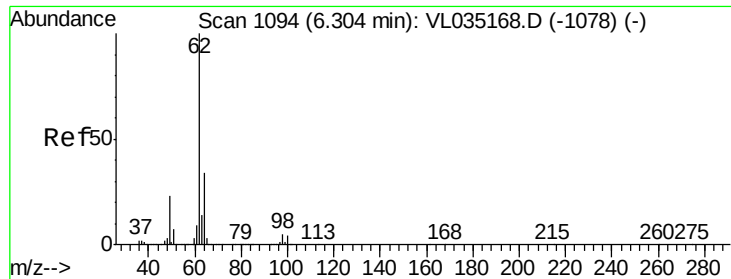


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

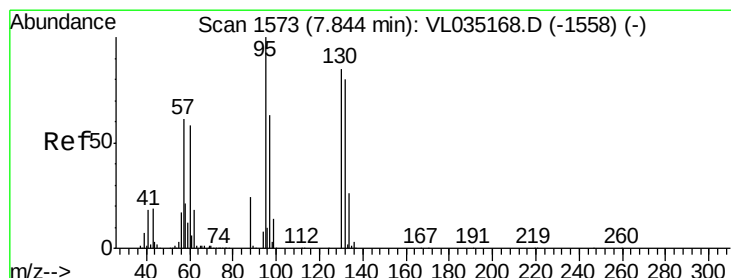
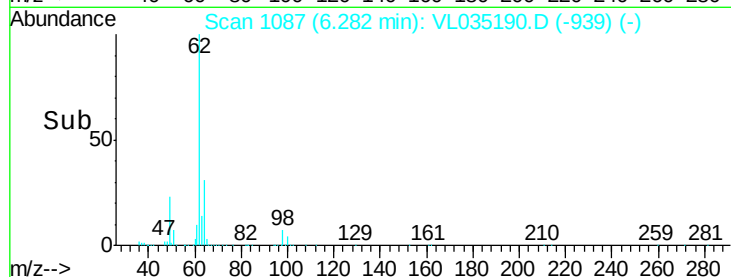
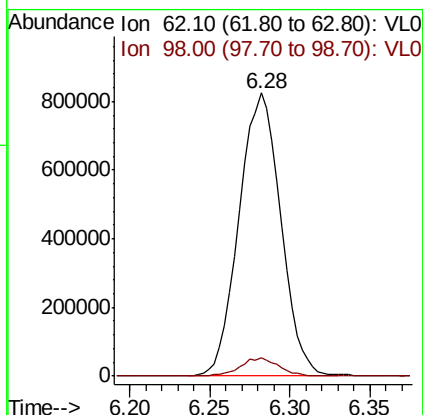
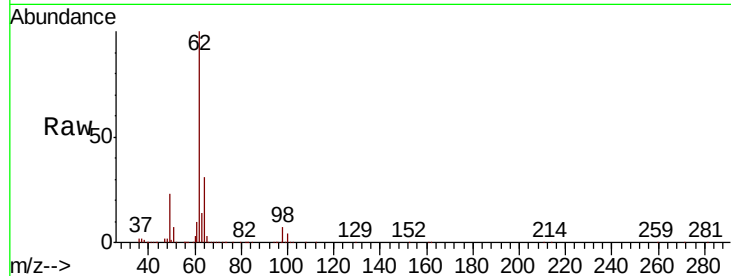




#37
 1,2-Dichloroethane
 Concen: 9.557 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

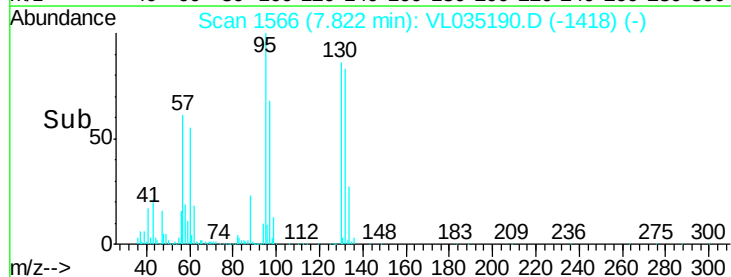
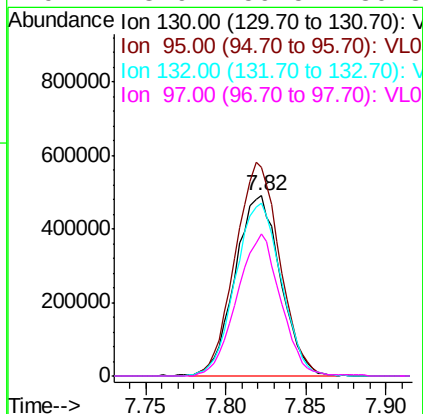
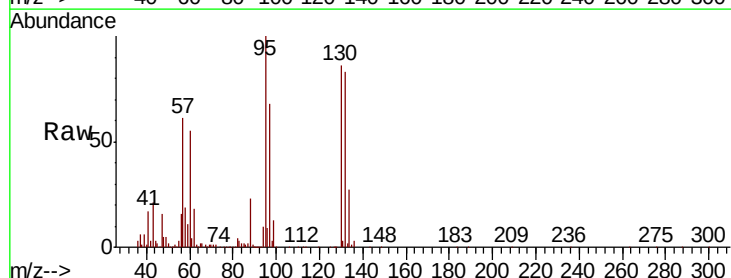
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

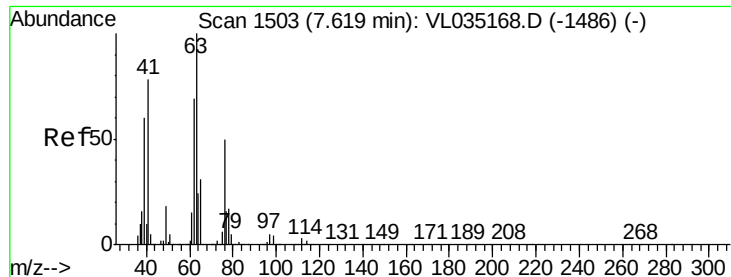
Tot Ion: 62 Resp: 1466309
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 6.8



#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

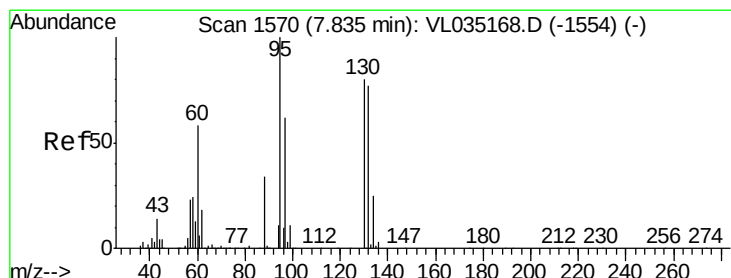
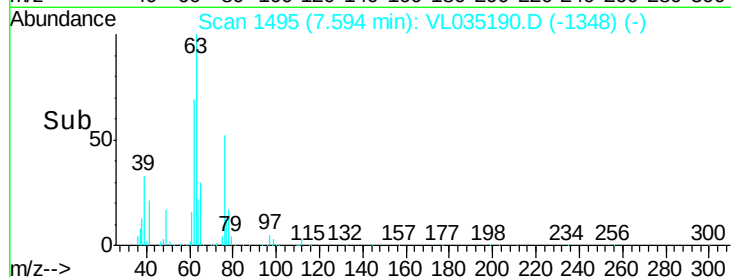
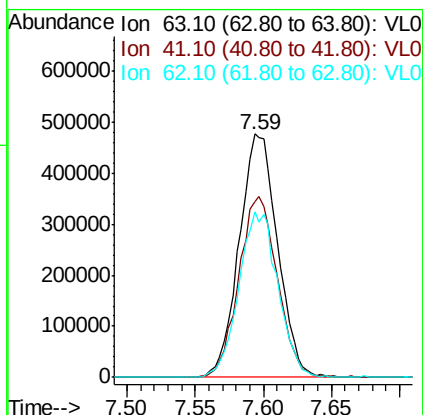
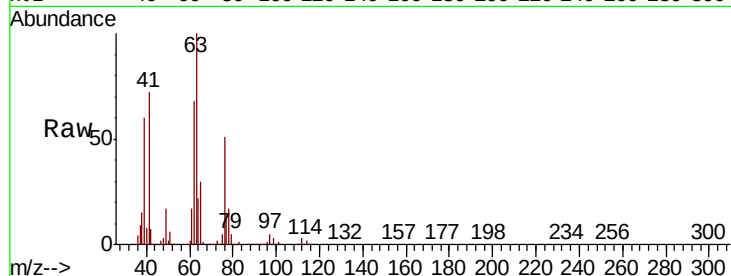




#39
 1,2-Dichloropropane
 Concen: 10.269 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.03 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

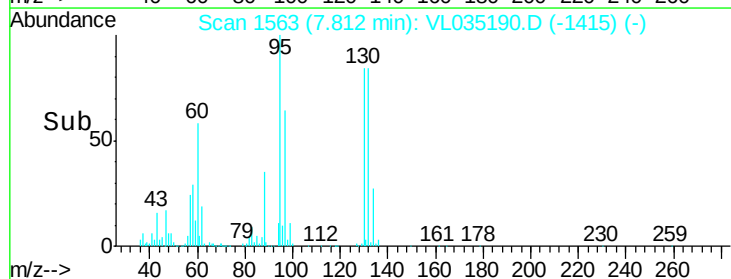
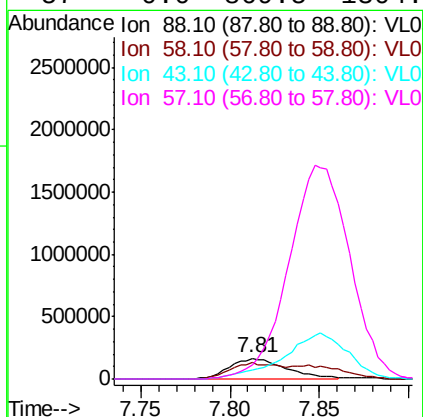
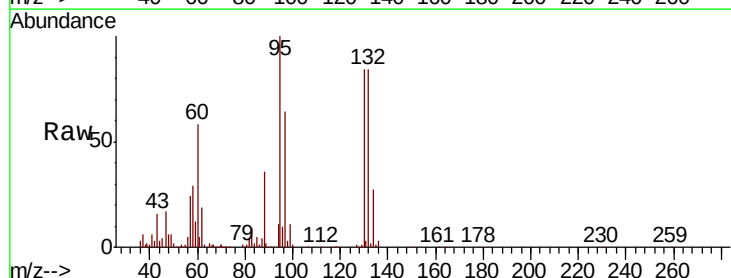
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

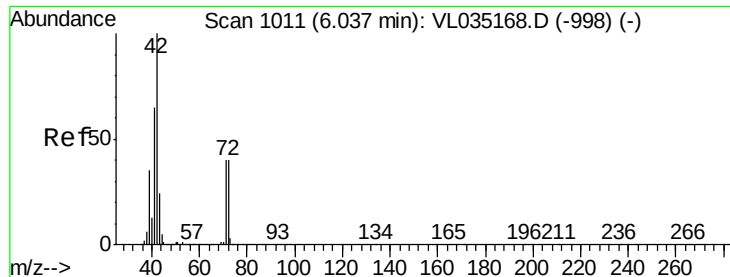
Tot Ion	Ratio	Lower	Upper
63	100		
41	72.1	62.6	94.0
62	67.9	55.0	82.6



#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	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#





#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

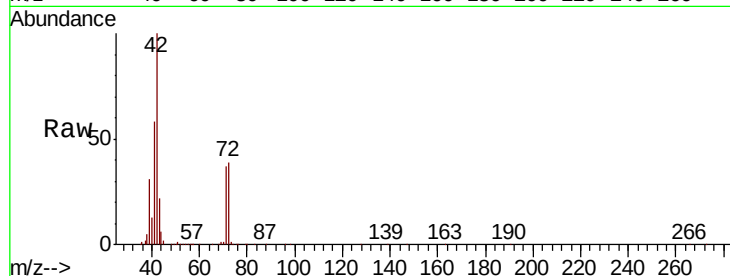
Tot Ion: 42 Resp: 956422

Ion Ratio Lower Upper

42 100

72 41.5 33.4 50.2

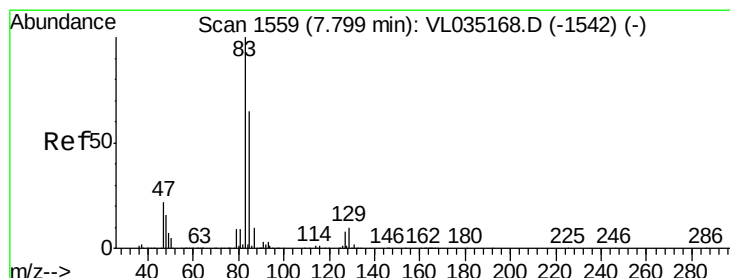
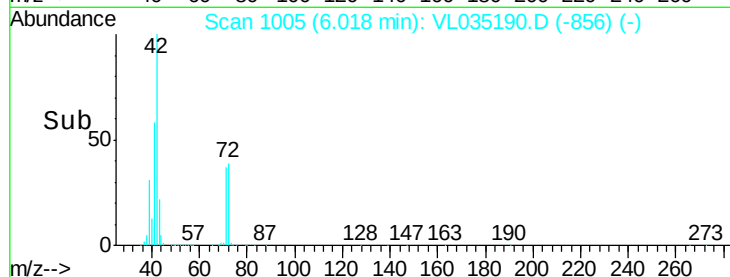
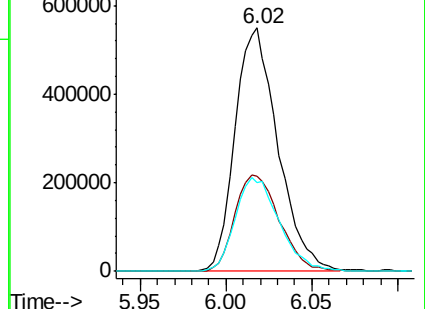
71 39.6 31.9 47.9



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 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

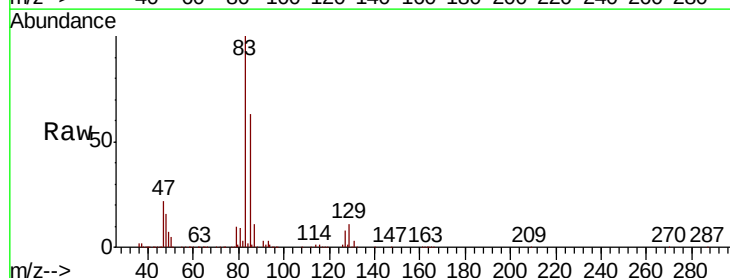
Tgt Ion: 83 Resp: 2035236

Ion Ratio Lower Upper

83 100

85 63.0 52.2 78.4

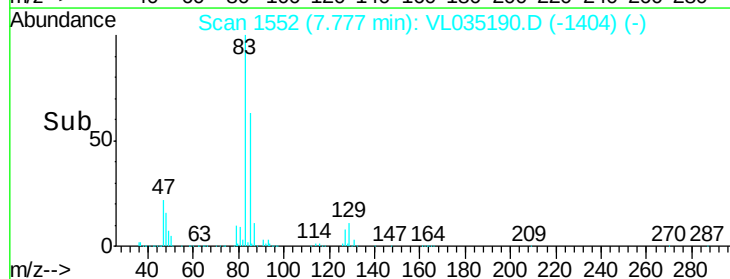
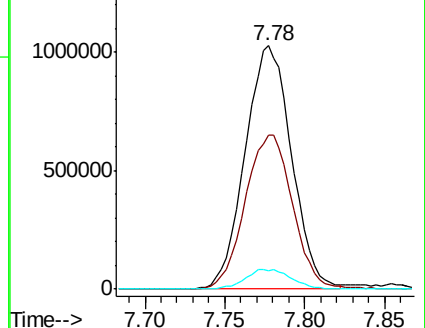
127 7.7 6.3 9.5

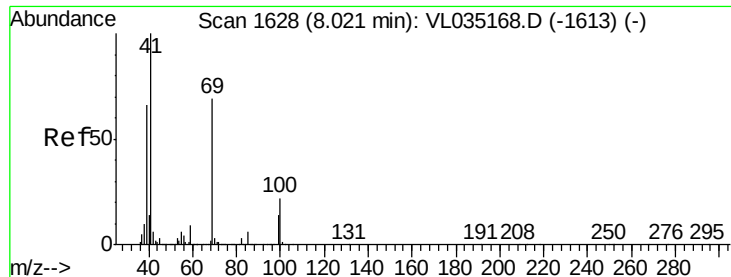


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.149 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.03 min

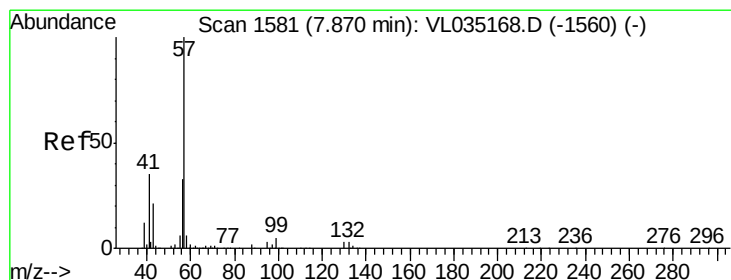
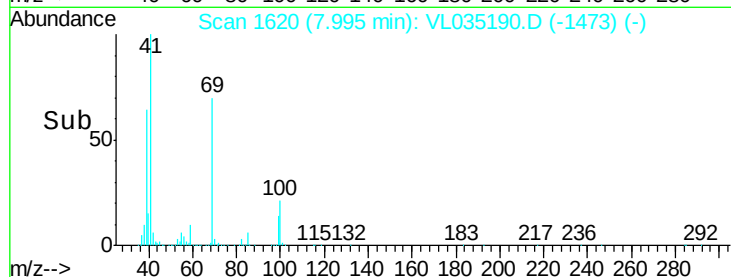
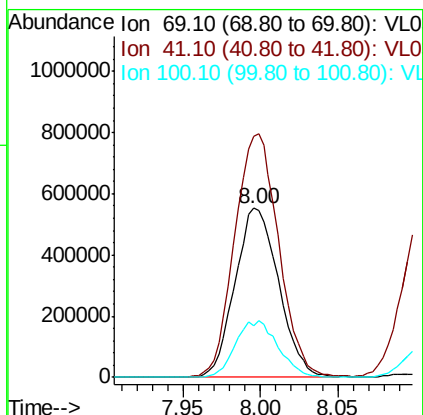
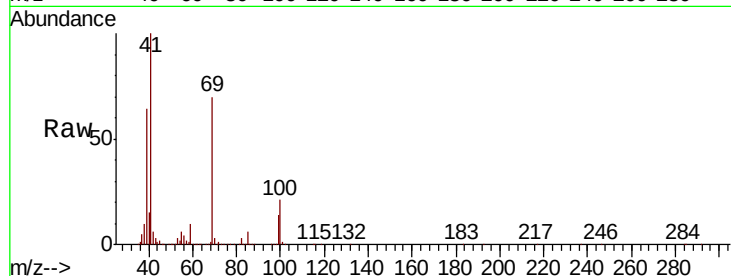
Lab File: VL035190.D

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

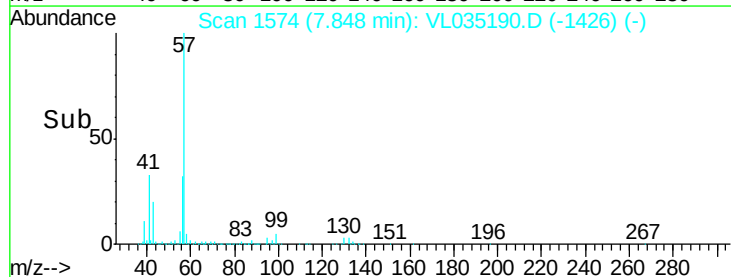
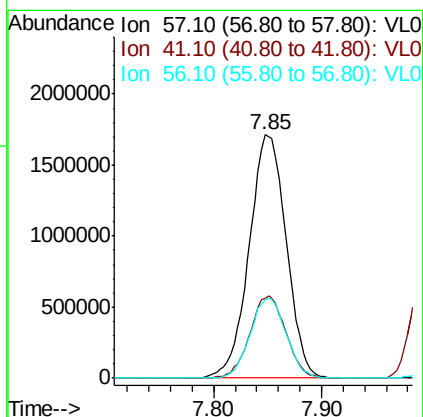
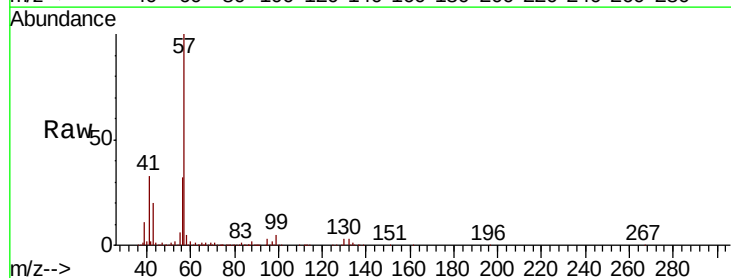
Delta R.T. -0.02 min

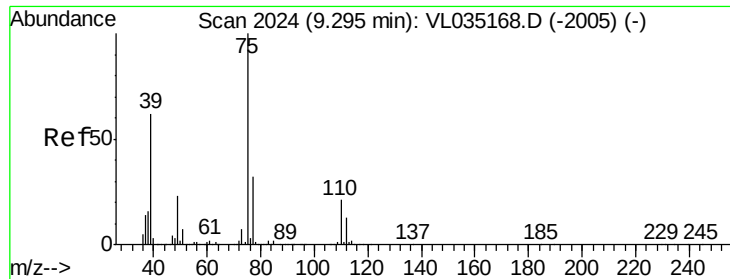
Lab File: VL035190.D

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

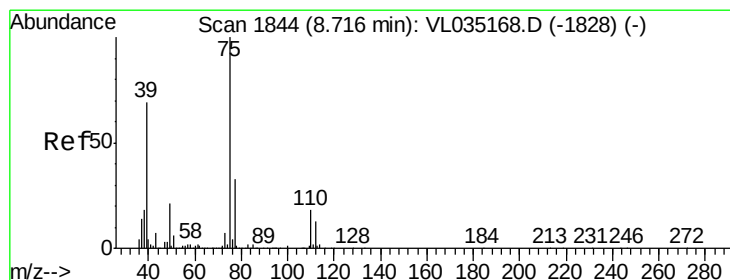
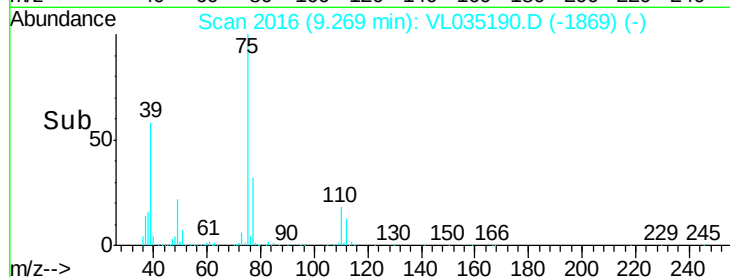
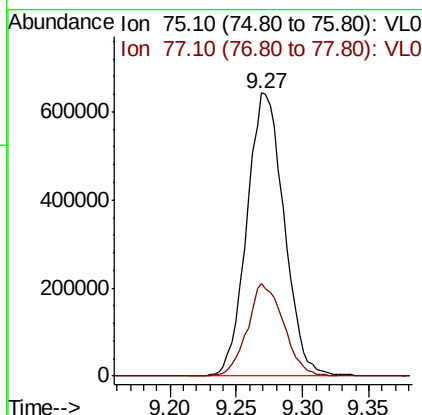
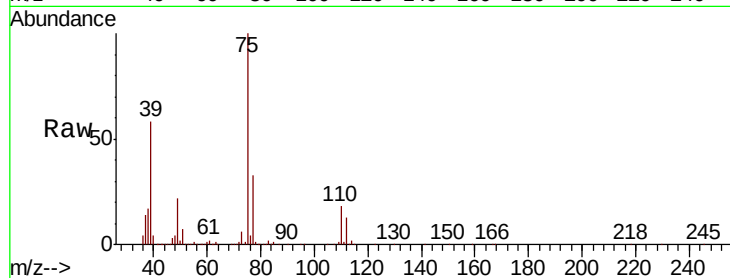




#45
 t-1,3-Dichloropropene
 Concen: 12.326 ppbv
 RT: 9.27 min Scan# 2016
 Delta R.T. -0.03 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

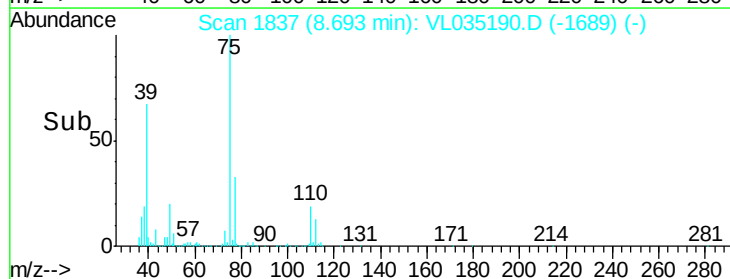
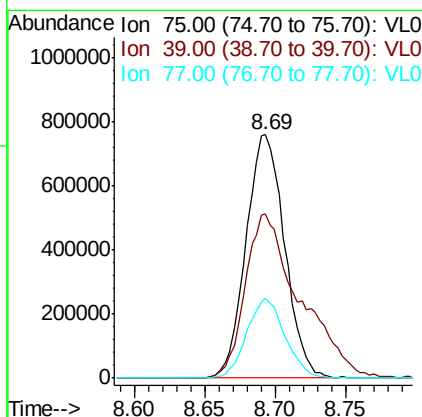
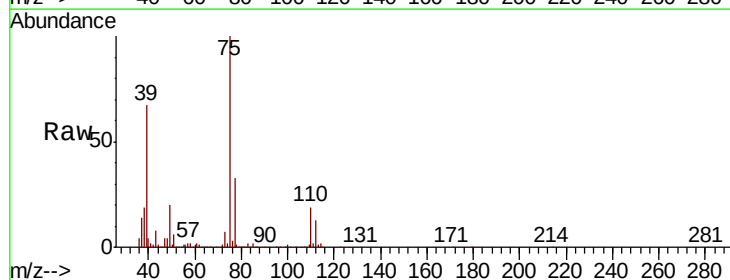
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

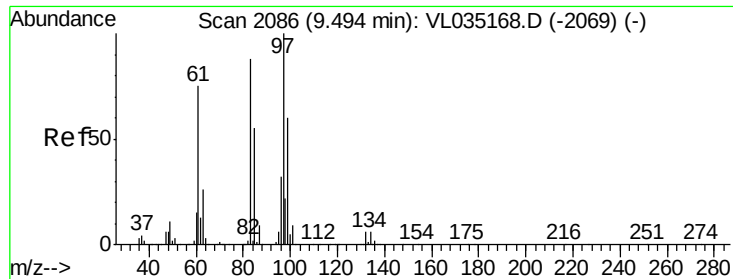
Tot Ion: 75 Resp: 1251558
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#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

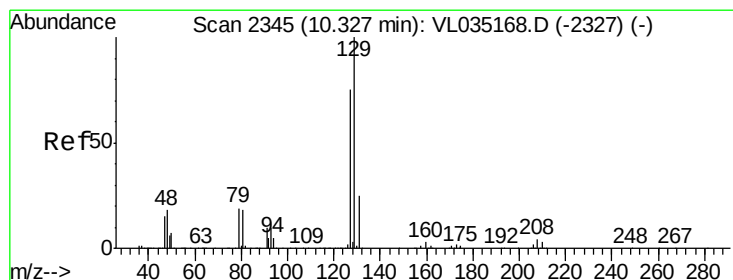
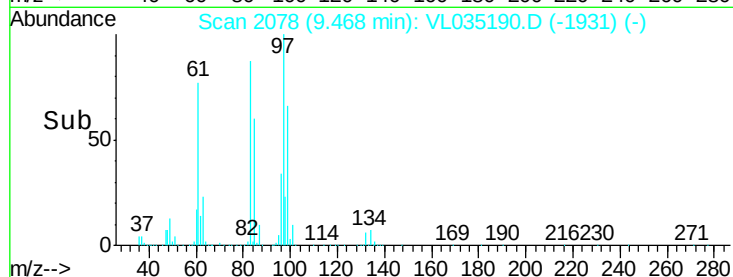
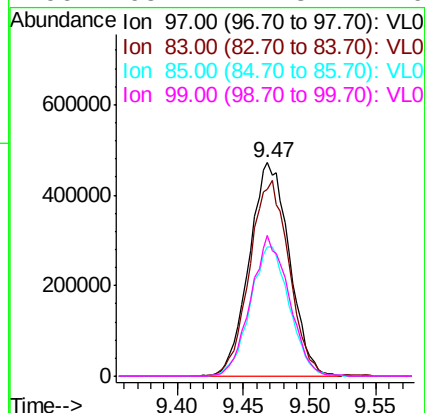
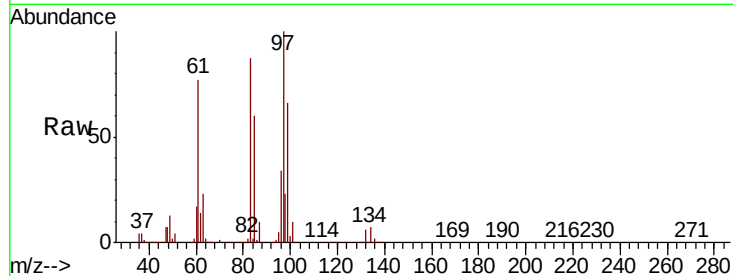




#47
 1,1,2-Trichloroethane
 Concen: 10.024 ppbv
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.03 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

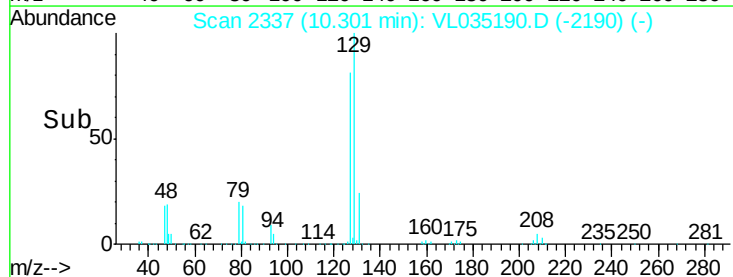
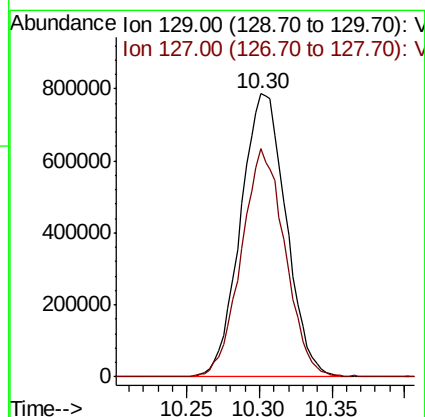
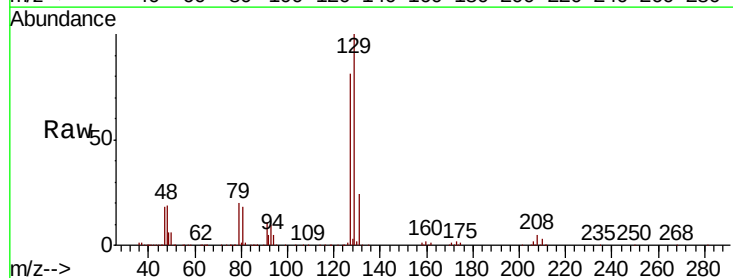
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

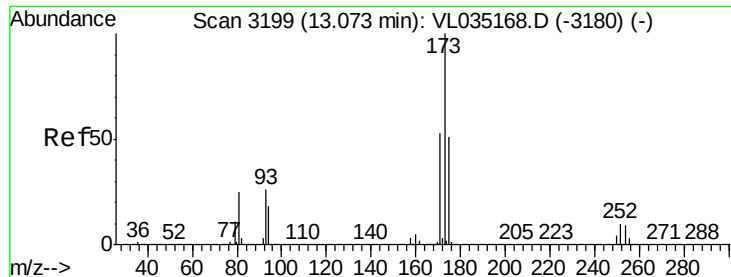
Tot Ion:	97	Resp:	997552
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.3	105.5
85	60.4	44.3	66.5
99	65.7	47.8	71.6



#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

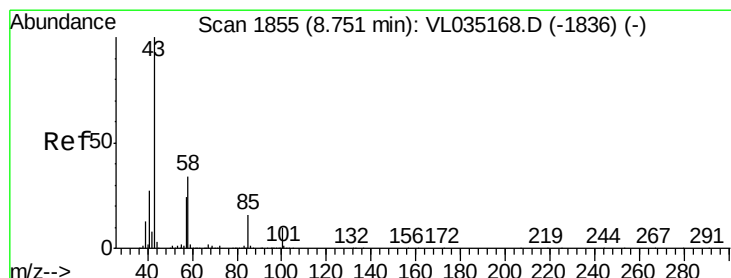
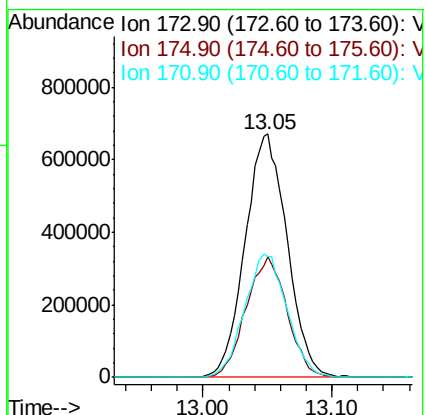
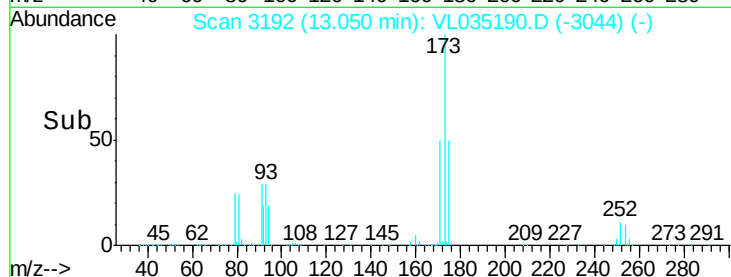
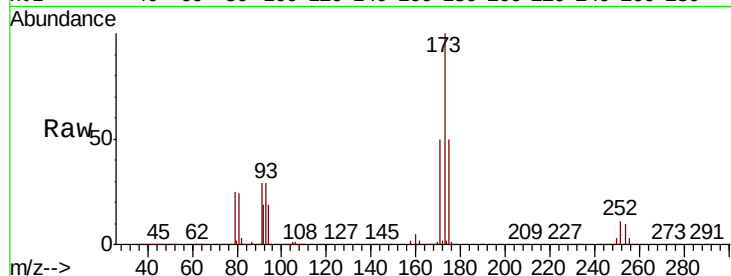
Tot Ion:173 Resp: 1519146

Ion Ratio Lower Upper

173 100

175 48.5 39.7 59.5

171 51.3 41.6 62.4



#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

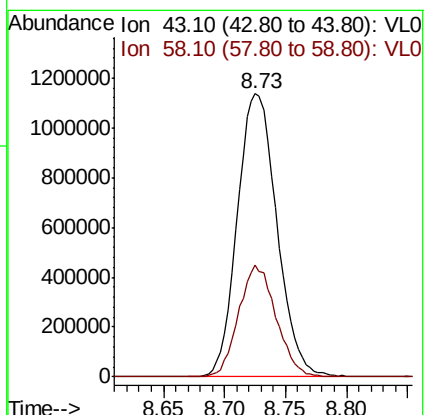
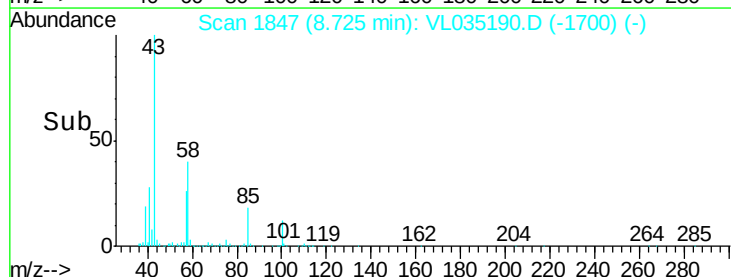
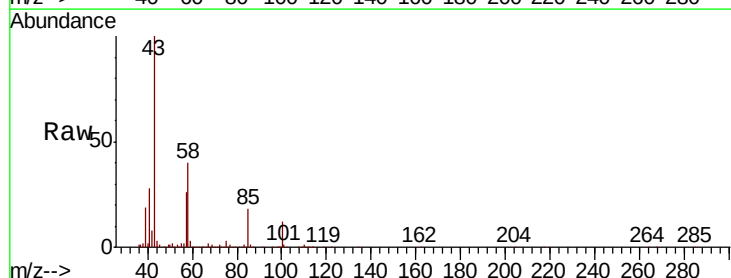
Acq: 16 Jul 2020 9:59

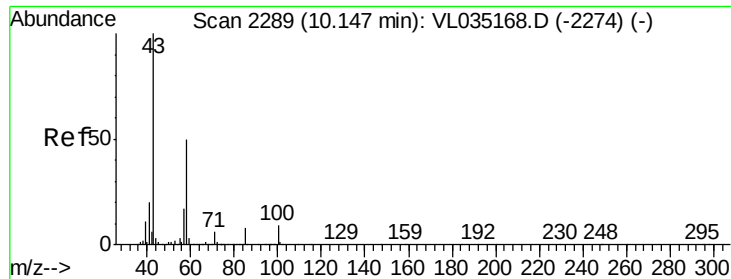
Tgt Ion: 43 Resp: 2547368

Ion Ratio Lower Upper

43 100

58 37.4 29.4 44.2

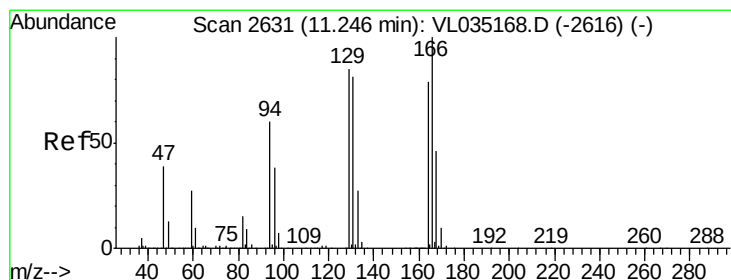
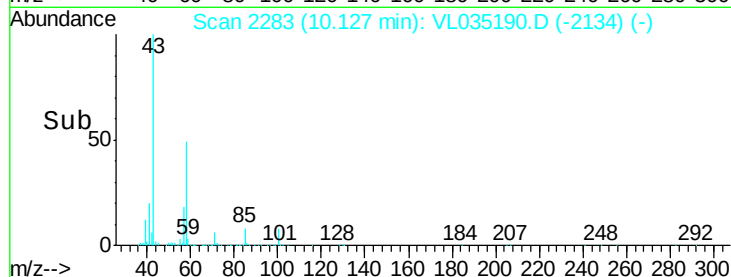
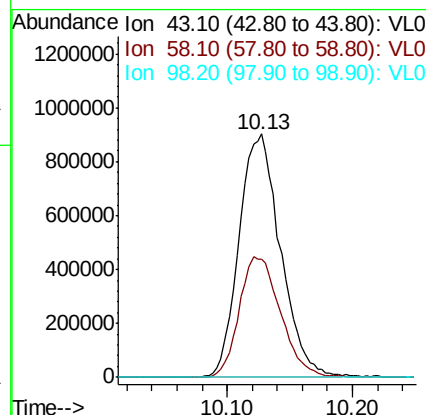
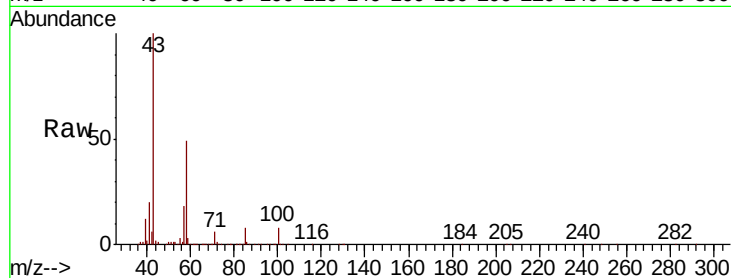




#51
2-Hexanone
Concen: 11.195 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

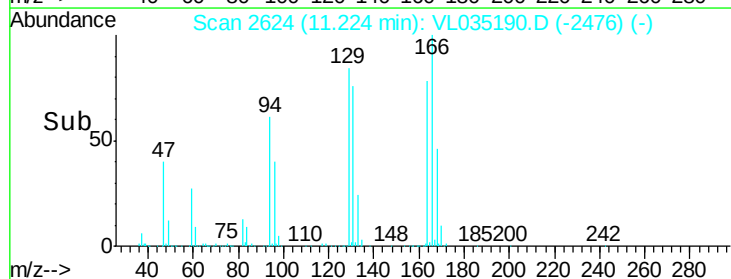
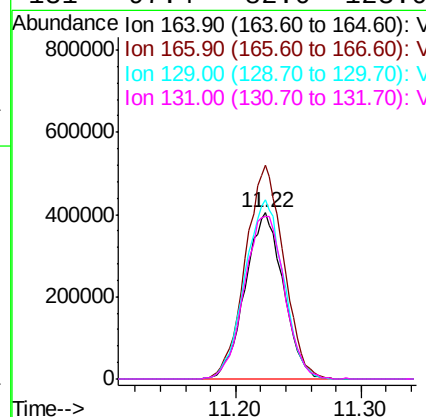
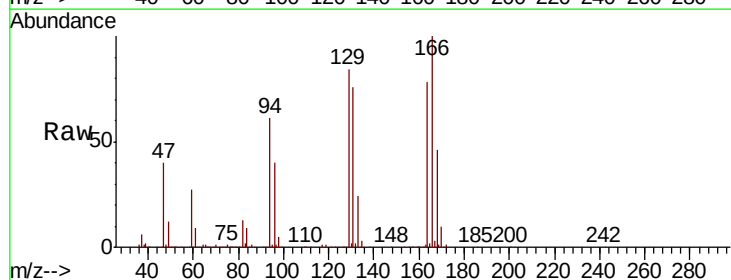
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

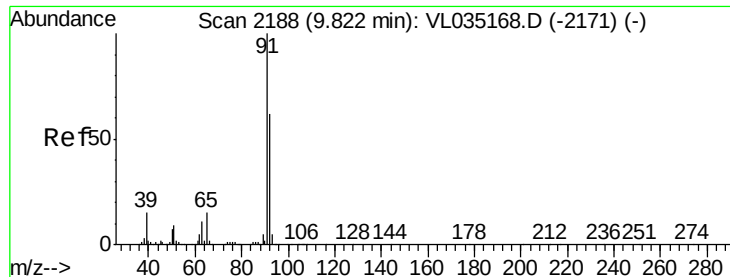
Tot Ion: 43 Resp: 2065568
Ion Ratio Lower Upper
43 100
58 49.9 39.4 59.0
98 0.5 0.3 0.5



#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 :

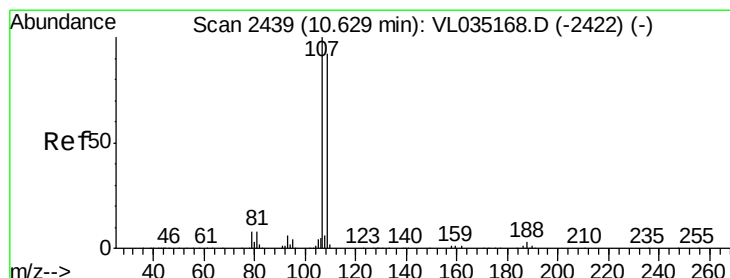
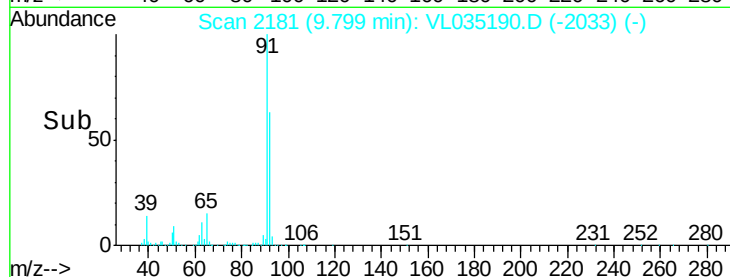
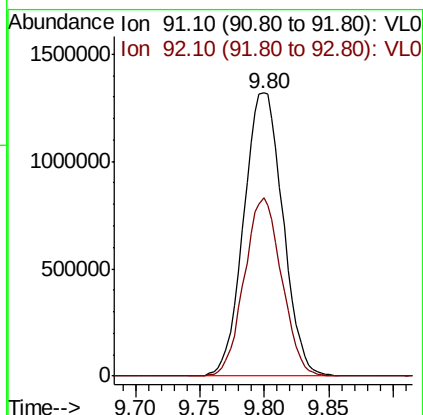
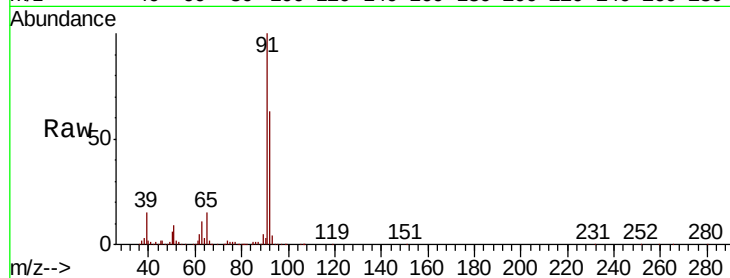
VSTDCCC010

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

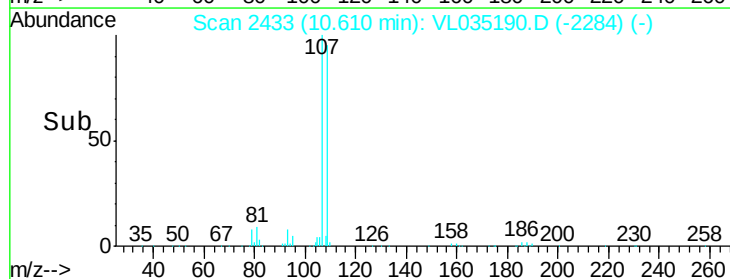
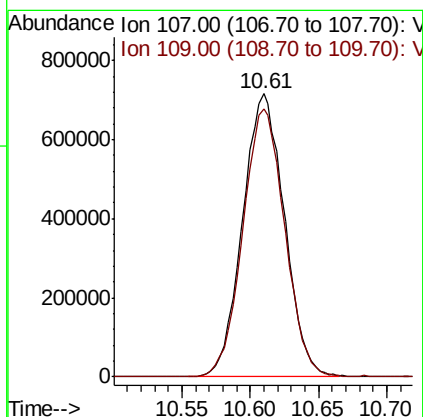
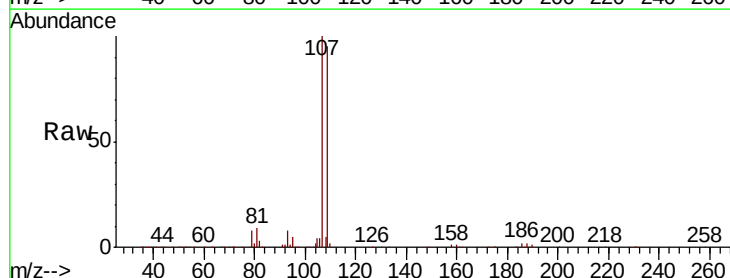
Acq: 16 Jul 2020 9:59

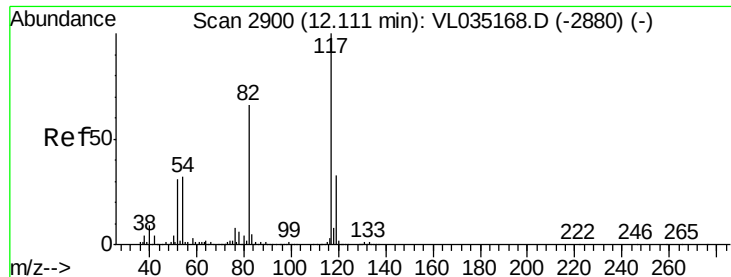
Tgt Ion: 107 Resp: 1522169

Ion Ratio Lower Upper

107 100

109 94.9 74.0 111.0

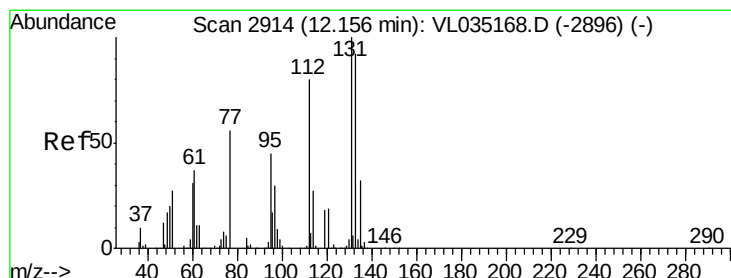
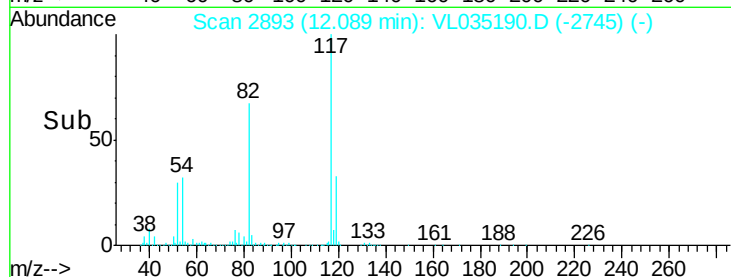
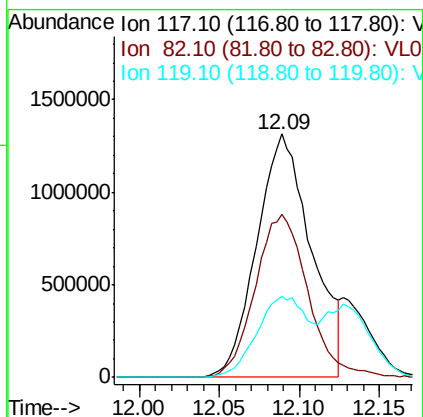
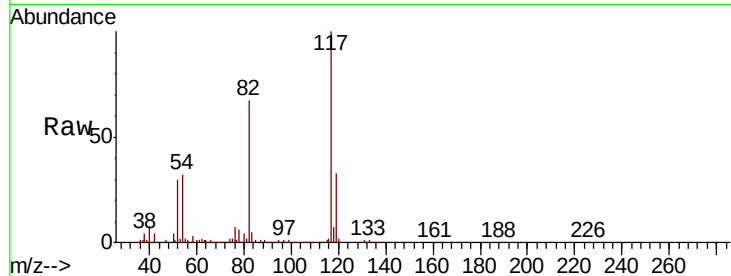




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL035190.D
Acq: 16 Jul 2020 9:59

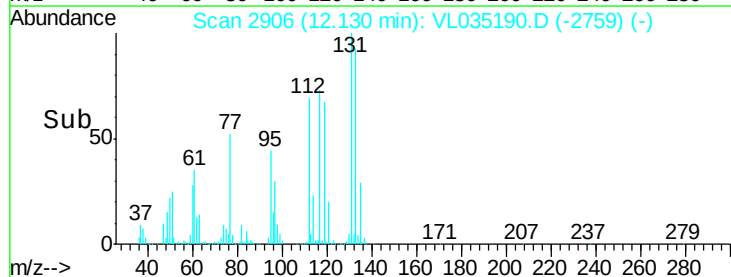
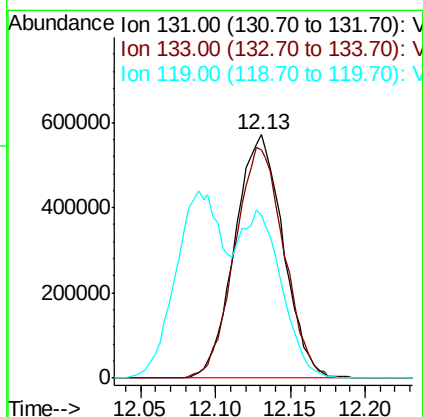
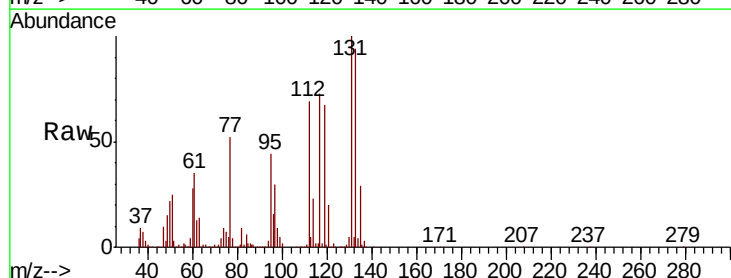
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

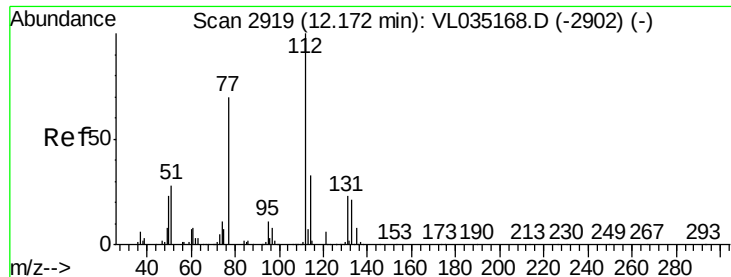
Tot Ion:117 Resp: 3110229
Ion Ratio Lower Upper
117 100
82 64.9 52.3 78.5
119 33.8 24.9 37.3



#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

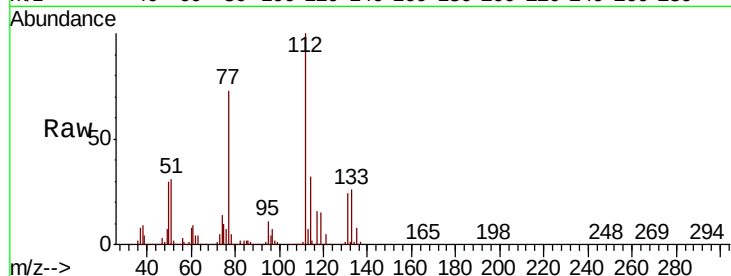
Tot Ion:112 Resp: 2105269

Ion Ratio Lower Upper

112 100

77 72.8 57.0 85.4

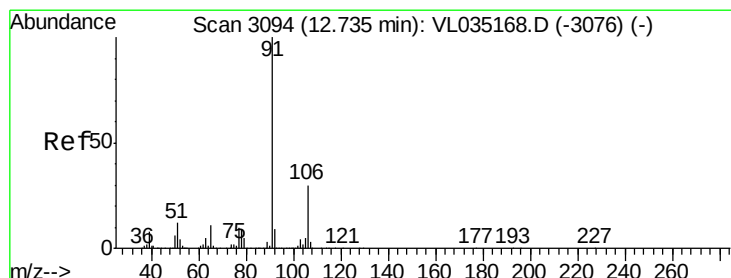
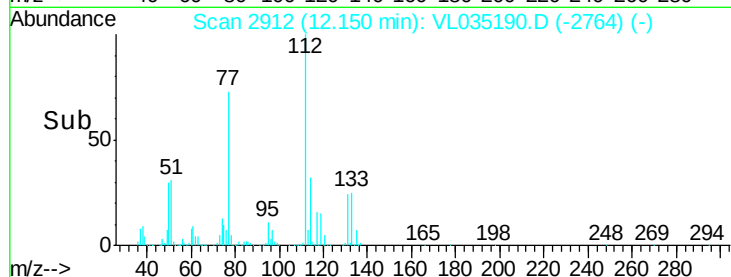
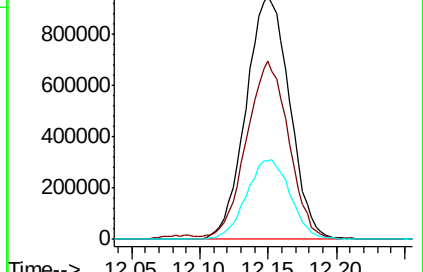
114 32.5 30.2 37.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.810 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.02 min

Lab File: VL035190.D

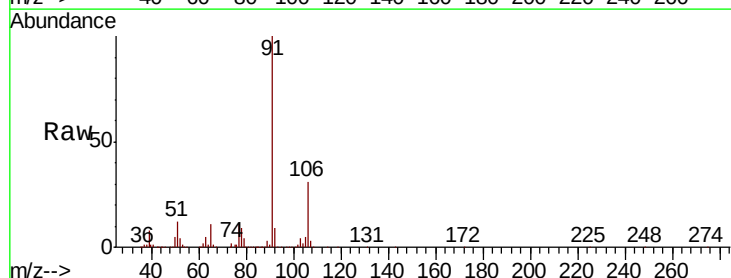
Acq: 16 Jul 2020 9:59

Tgt Ion: 91 Resp: 3716059

Ion Ratio Lower Upper

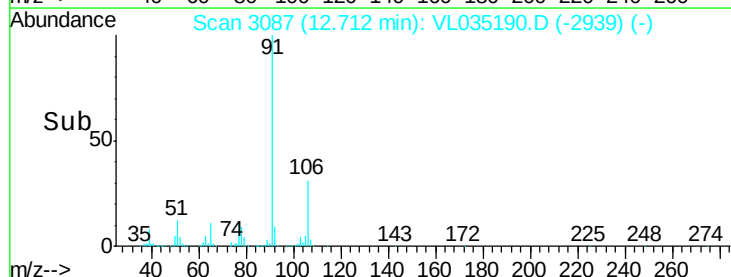
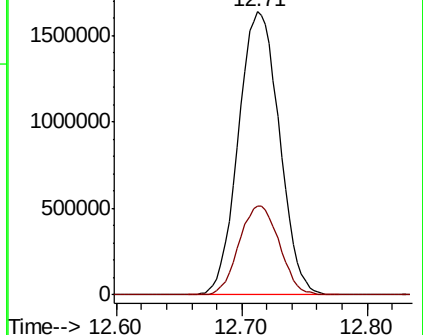
91 100

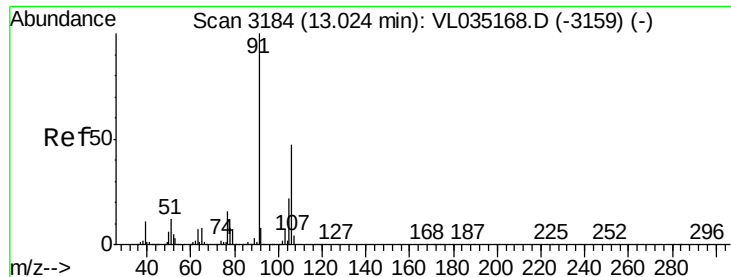
106 31.4 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 11.033 ppbv

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 :

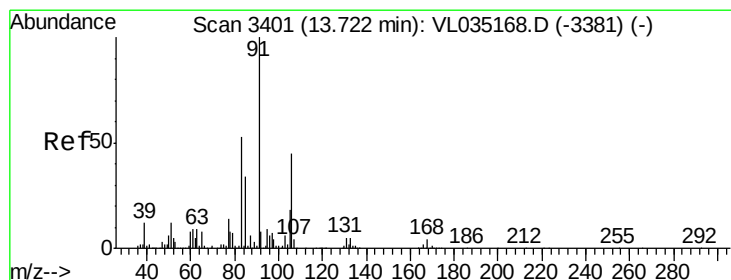
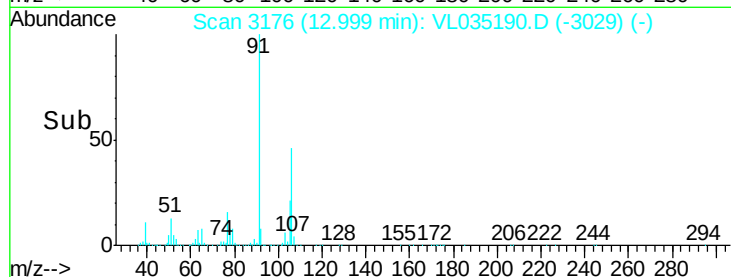
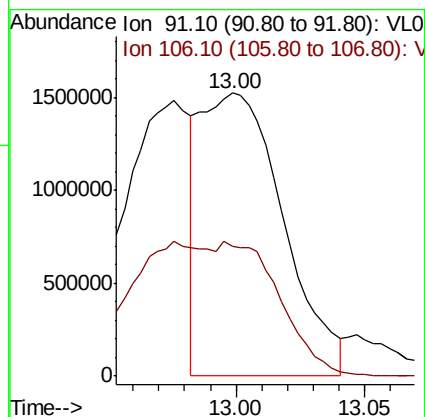
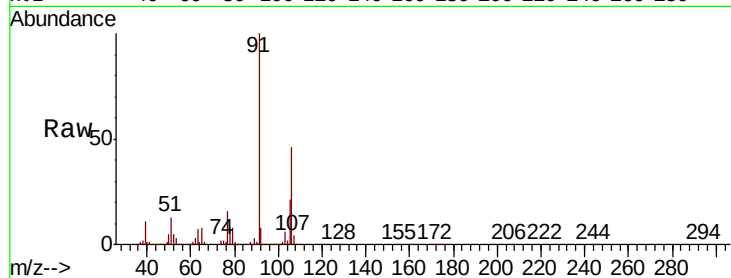
VSTDCCC010

Tot Ion: 91 Resp: 3380570

Ion Ratio Lower Upper

91 100

106 83.7 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

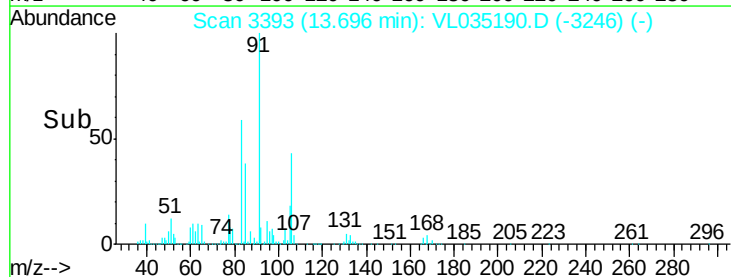
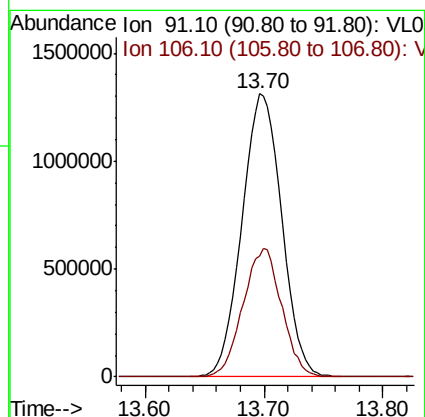
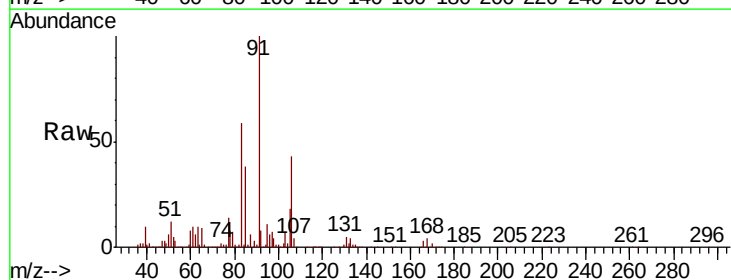
Acq: 16 Jul 2020 9:59

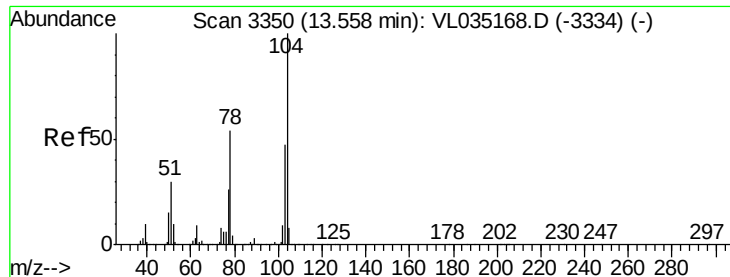
Tgt Ion: 91 Resp: 3030809

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

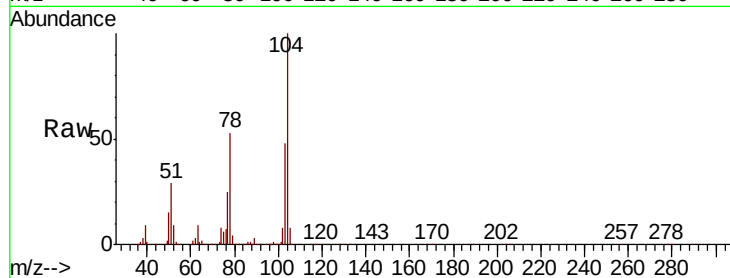
Tot Ion:104 Resp: 2207726

Ion Ratio Lower Upper

104 100

78 53.5 43.4 65.0

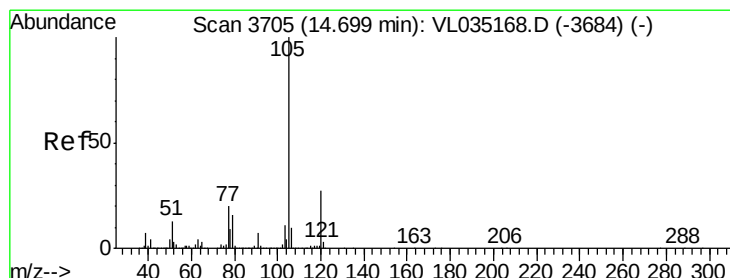
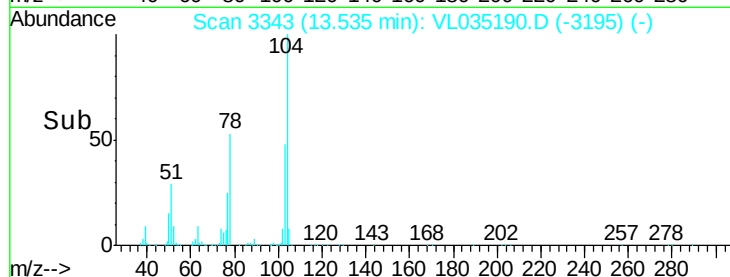
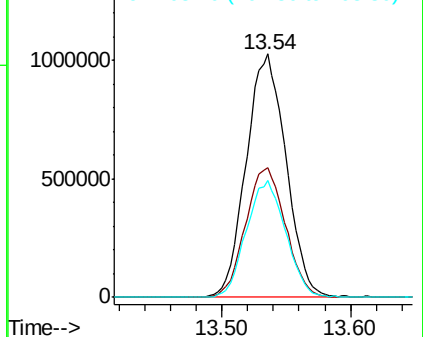
103 47.5 37.4 56.0



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

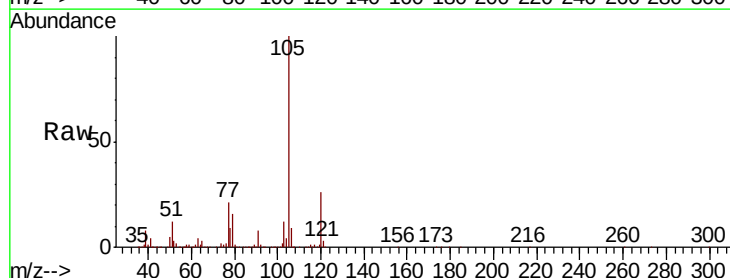
Acq: 16 Jul 2020 9:59

Tgt Ion:105 Resp: 4516539

Ion Ratio Lower Upper

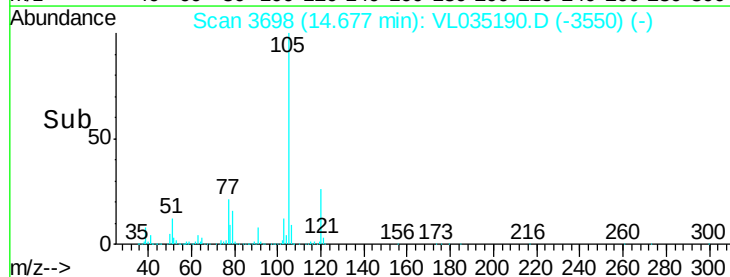
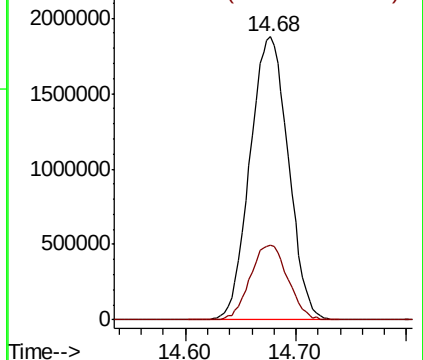
105 100

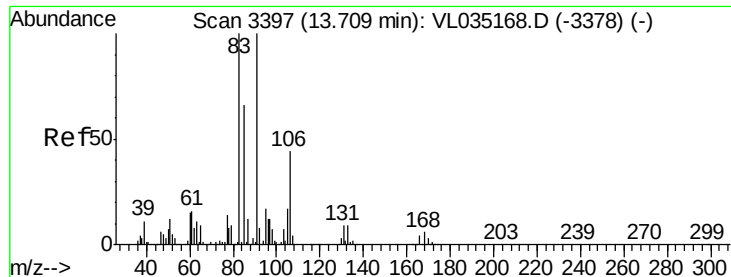
120 25.9 20.7 31.1



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

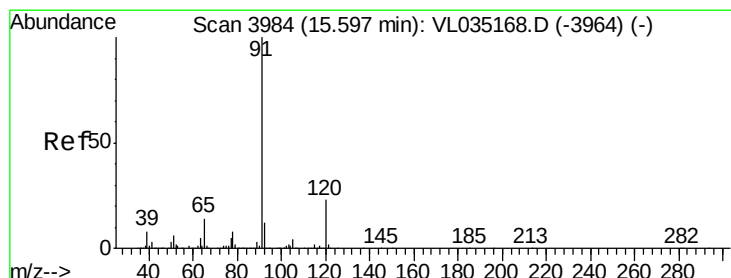
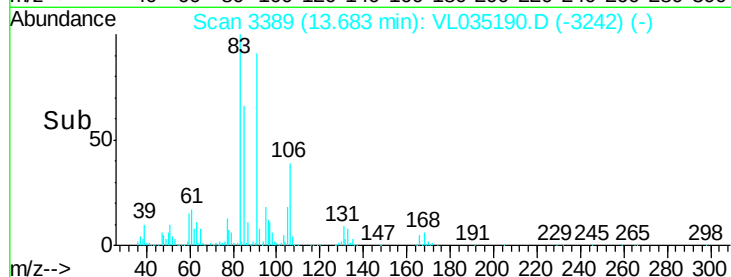
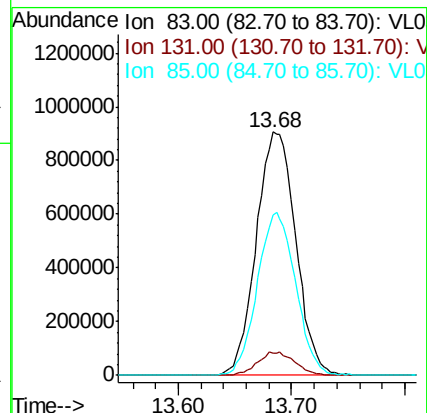
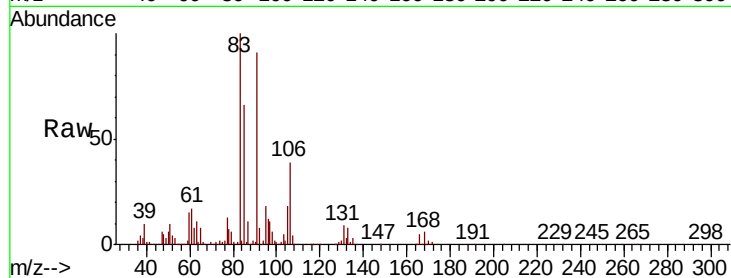
Tot Ion: 83 Resp: 2187989

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

85 65.3 33.0 99.0



#64

n-propylbenzene

Concen: 10.208 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. -0.03 min

Lab File: VL035190.D

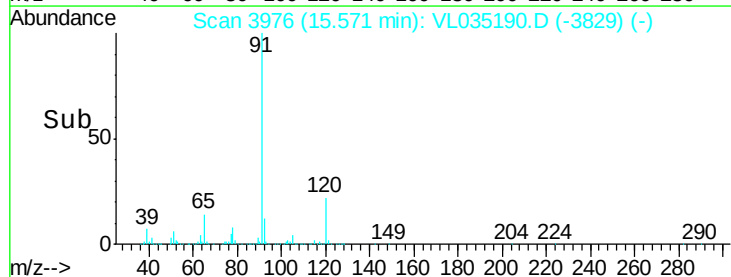
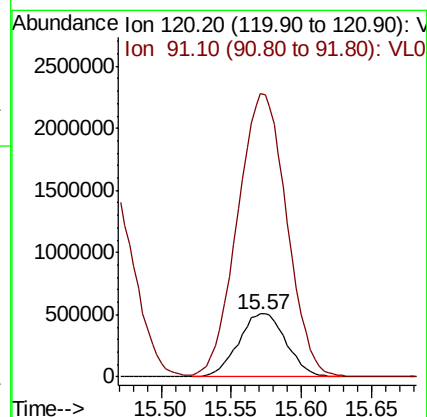
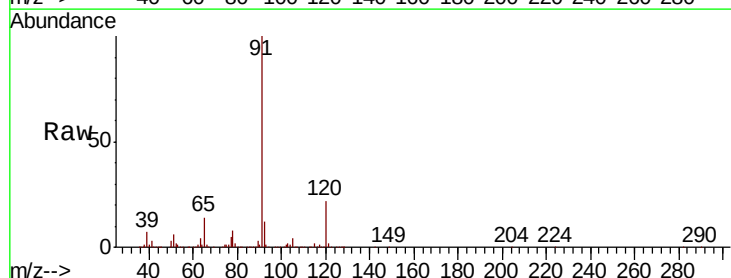
Acq: 16 Jul 2020 9:59

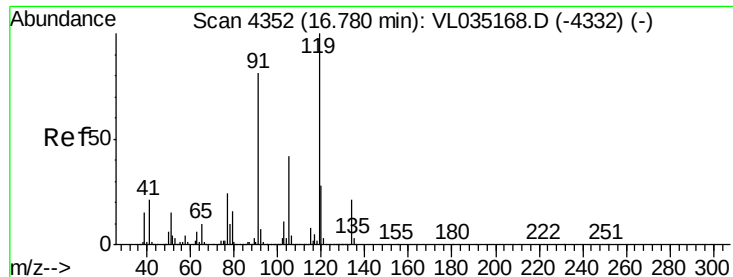
Tgt Ion:120 Resp: 1194851

Ion Ratio Lower Upper

120 100

91 467.4 372.4 558.6





#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

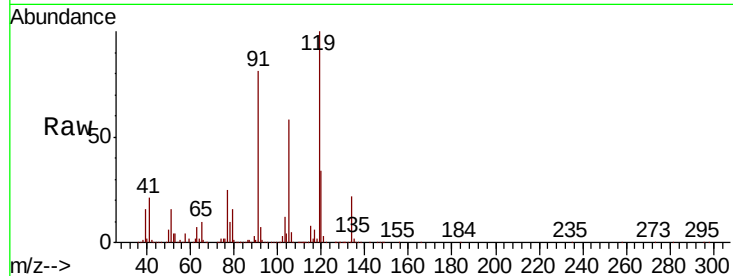
Tot Ion:119 Resp: 4019781

Ion Ratio Lower Upper

119 100

91 84.3 67.5 101.3

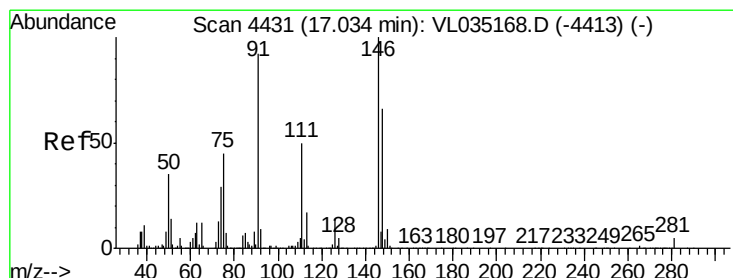
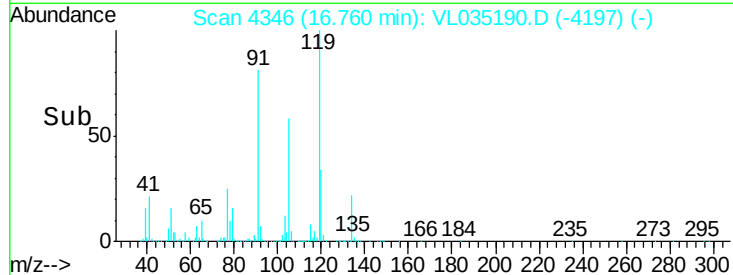
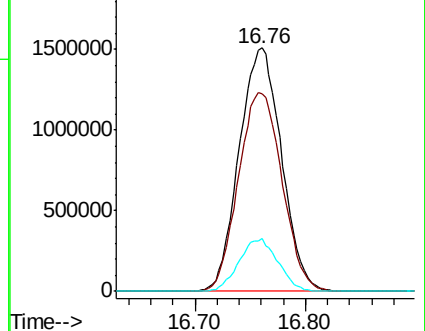
134 19.9 16.0 24.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.641 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.03 min

Lab File: VL035190.D

Acq: 16 Jul 2020 9:59

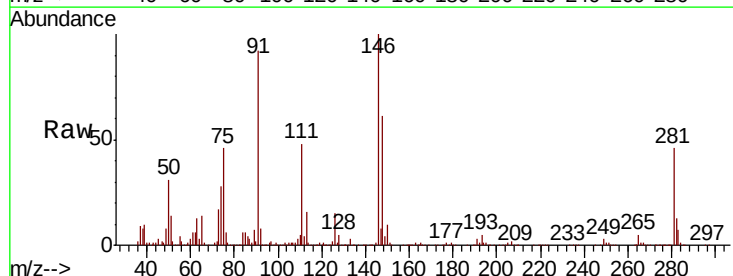
Tgt Ion: 91 Resp: 1687716

Ion Ratio Lower Upper

91 100

126 17.6 13.9 20.9

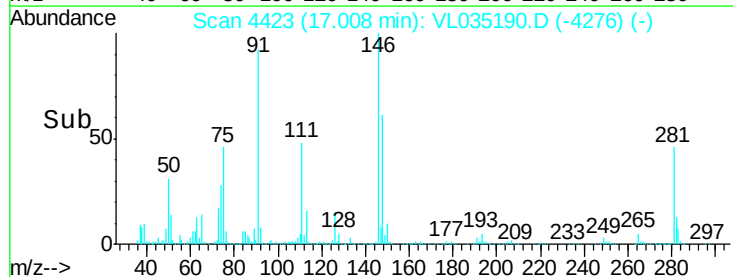
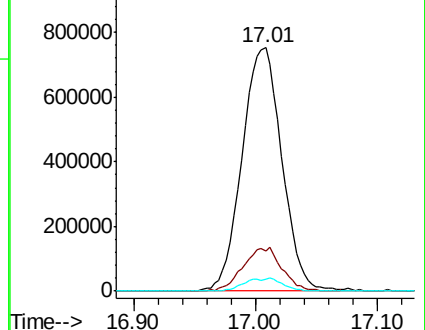
128 5.2 4.2 6.4

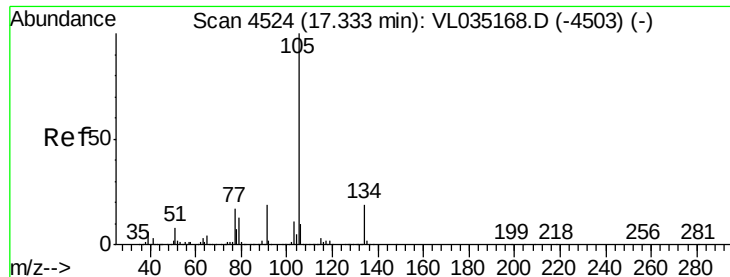


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.645 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 :

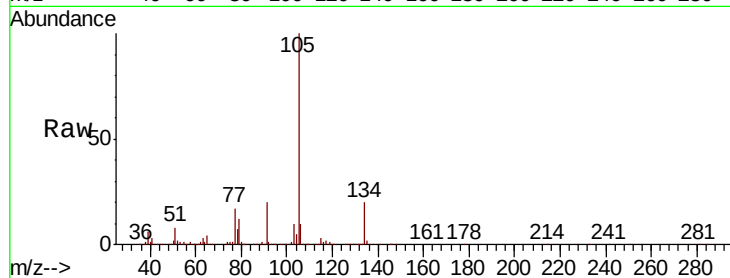
VSTDCCC010

Tot Ion:105 Resp: 5722217

Ion Ratio Lower Upper

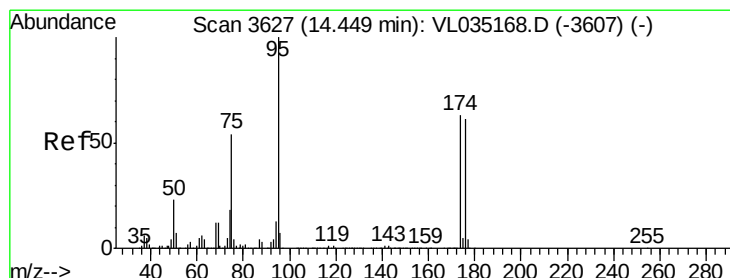
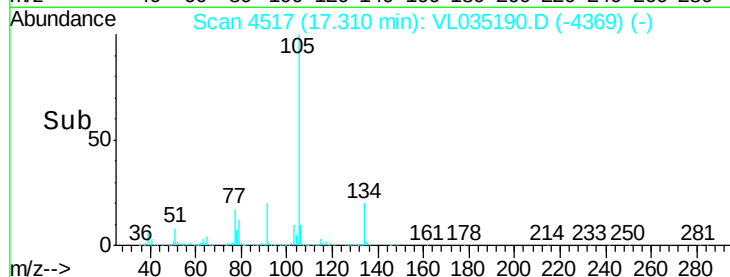
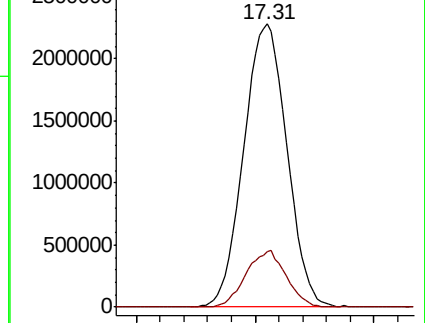
105 100

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

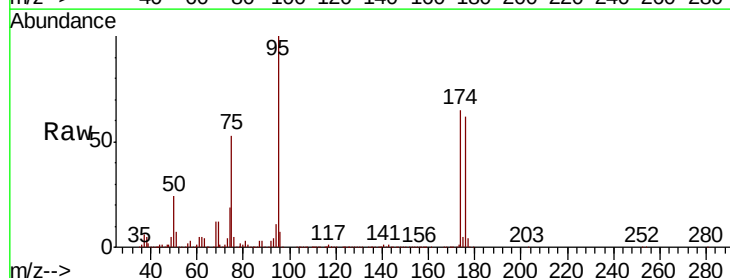
Tgt Ion: 95 Resp: 2386697

Ion Ratio Lower Upper

95 100

174 65.3 52.2 78.2

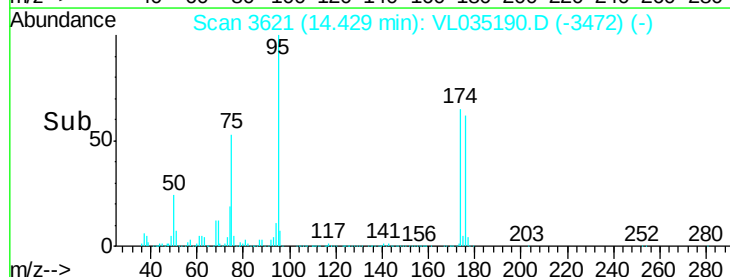
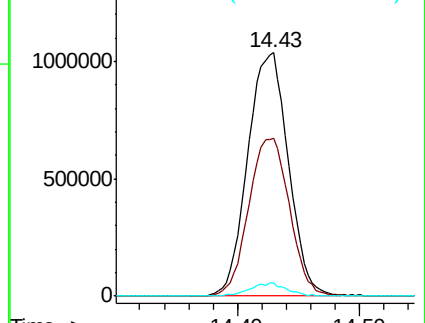
175 4.7 4.0 6.0

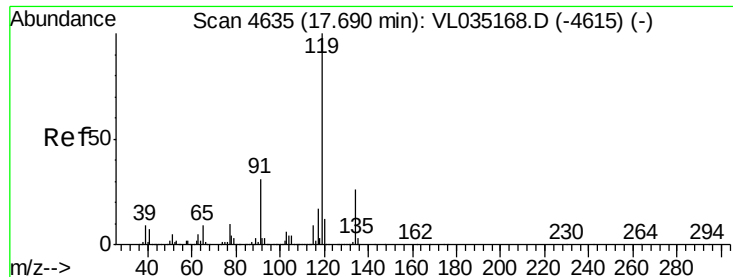


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

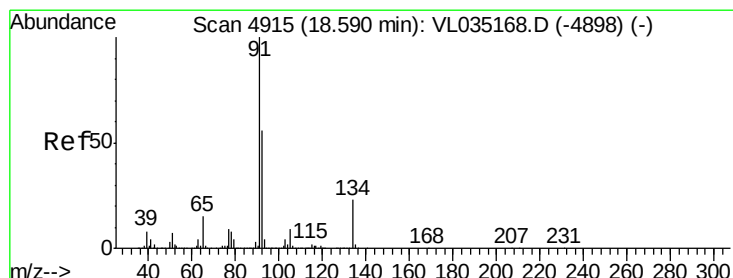
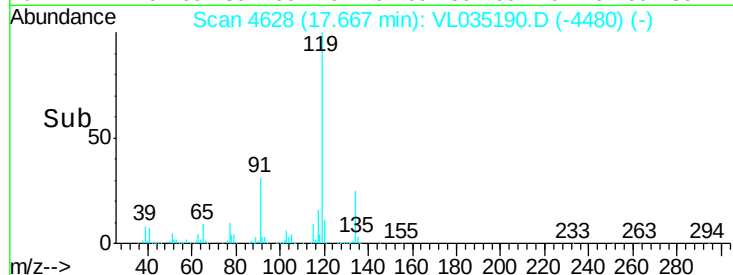
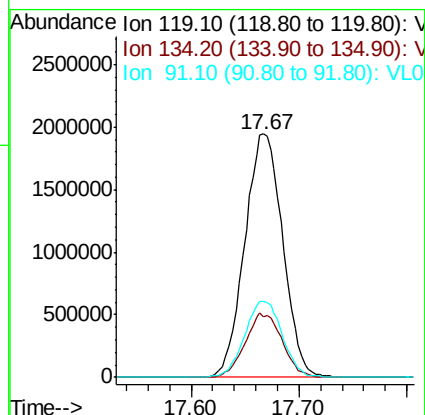
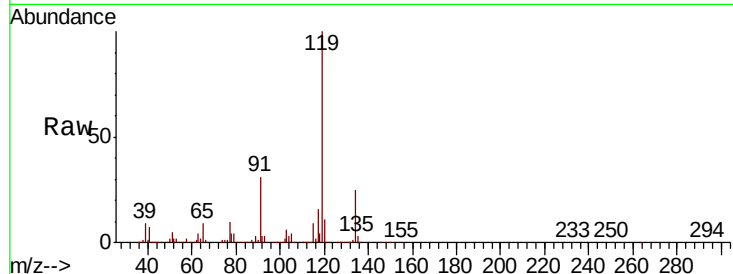




#69
 p-Isopropyltoluene
 Concen: 10.228 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. -0.02 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

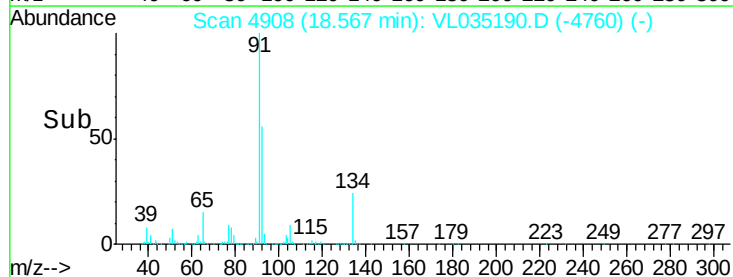
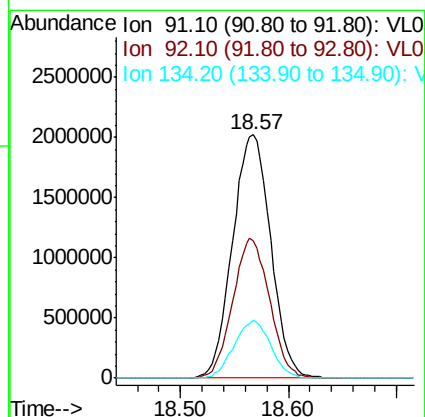
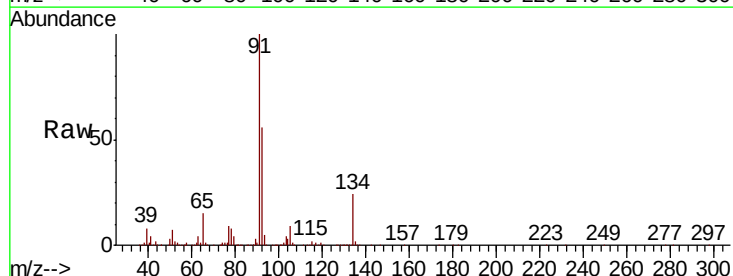
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

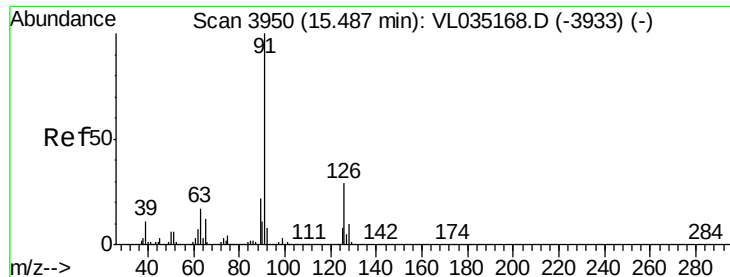
Tot Ion:119 Resp: 4755801
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.8 31.2
 91 30.9 24.9 37.3



#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 :

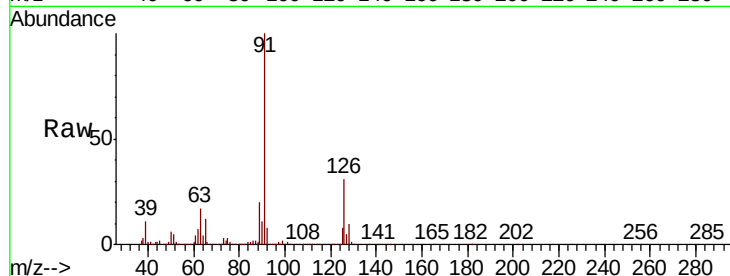
VSTDCCC010

Tot Ion: 91 Resp: 3512384

Ion Ratio Lower Upper

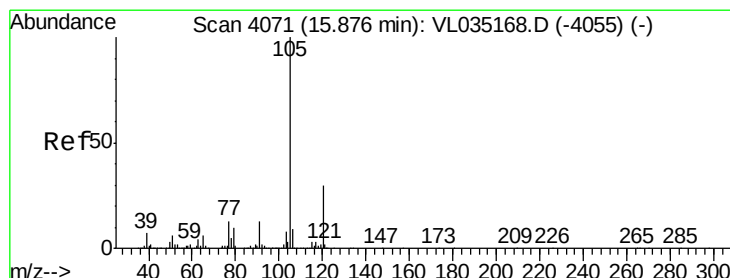
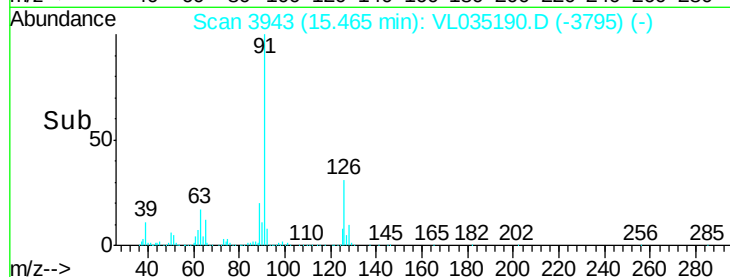
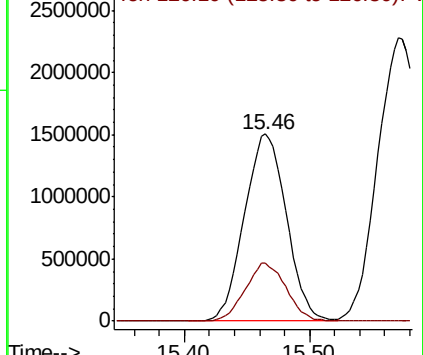
91 100

126 30.2 12.0 48.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#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

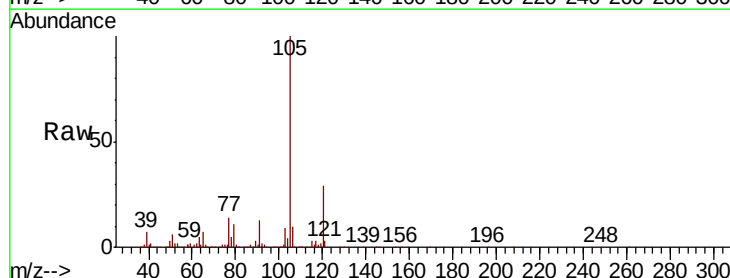
Ion Ratio Lower Upper

105 100

120 28.8 23.2 34.8

91 13.2 10.9 16.3

77 14.5 11.8 17.6

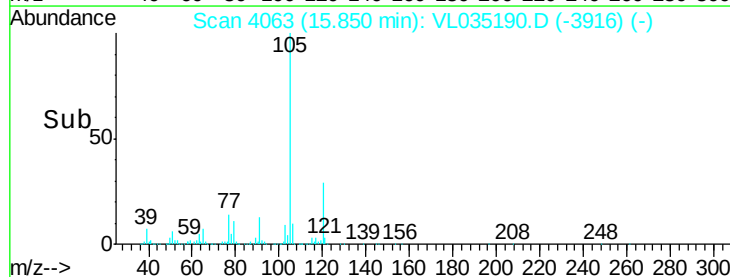
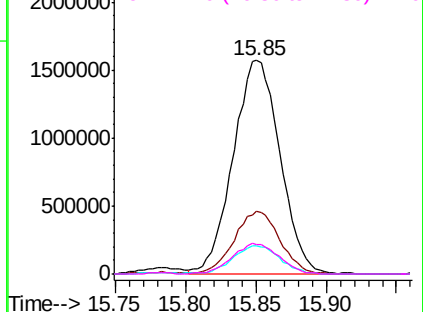


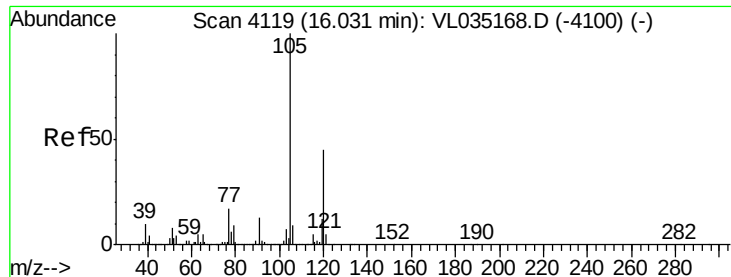
Abundance Ion 105.10 (104.80 to 105.80): V

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





#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 :

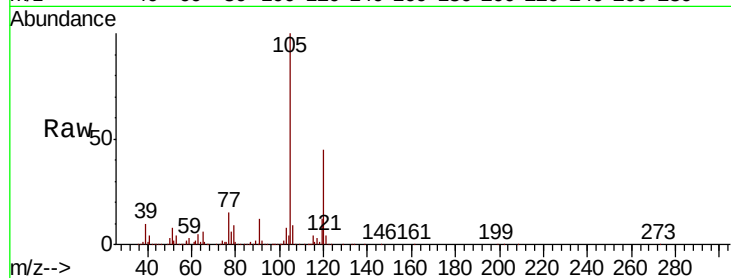
VSTDCCC010

Tot Ion:105 Resp: 3430797

Ion Ratio Lower Upper

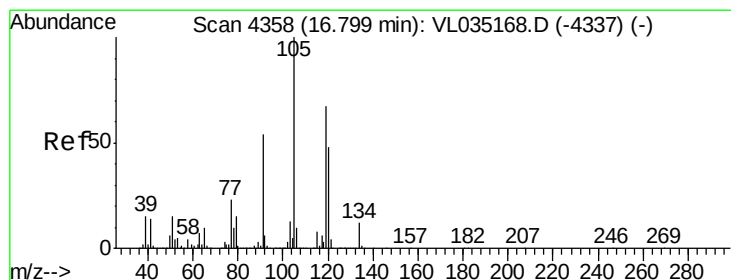
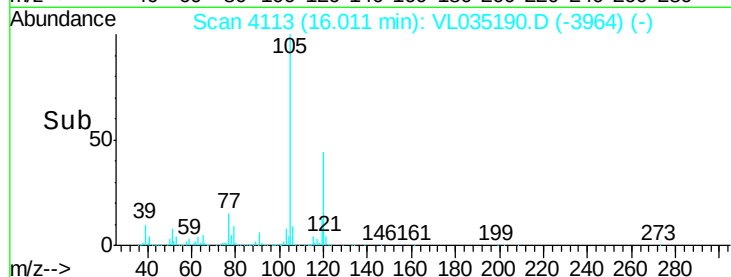
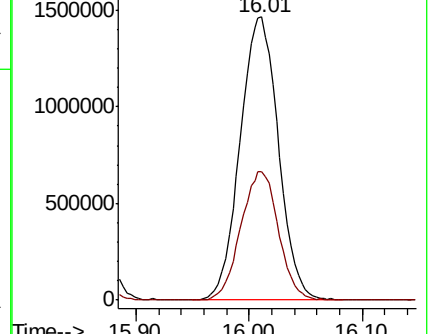
105 100

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



#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

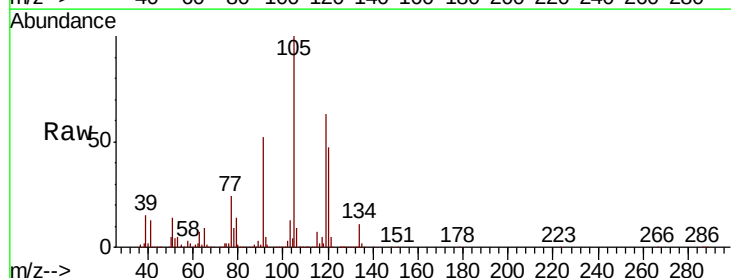
Ion Ratio Lower Upper

105 100

120 46.9 38.6 57.8

91 51.4 43.6 65.4

77 24.2 18.3 27.5

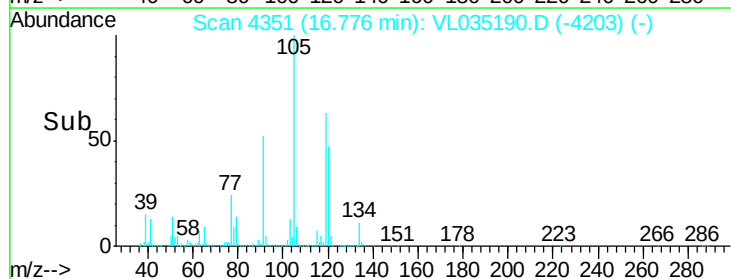
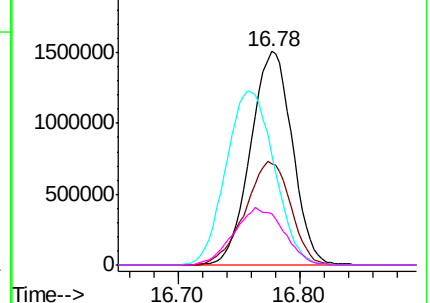


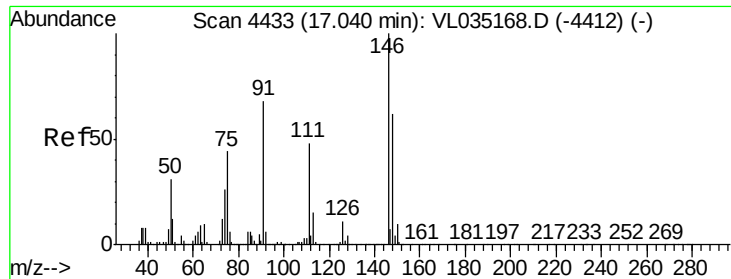
Abundance Ion 105.10 (104.80 to 105.80): V

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

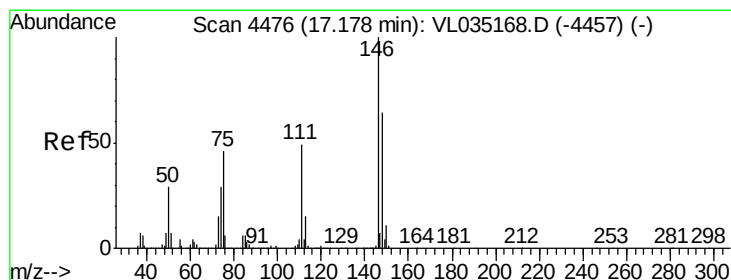
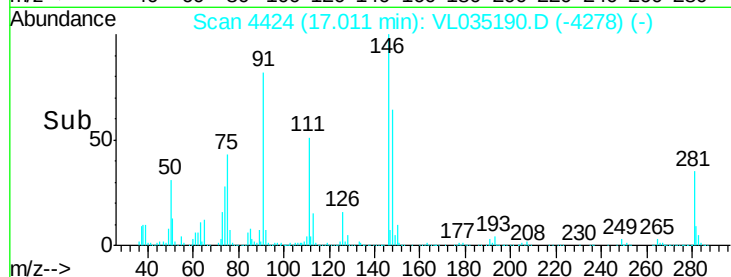
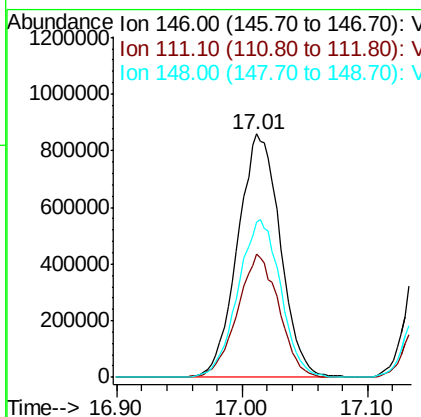
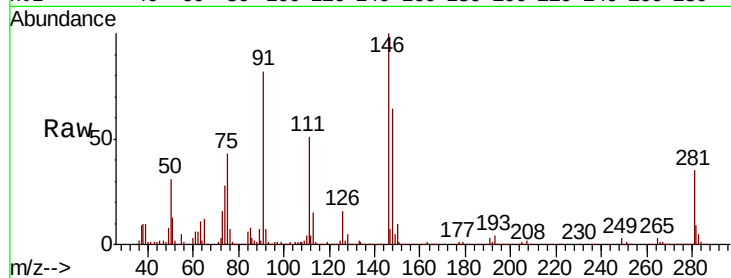




#75
 1,3-Dichlorobenzene
 Concen: 8.671 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. -0.03 min
 Lab File: VL035190.D
 Acq: 16 Jul 2020 9:59

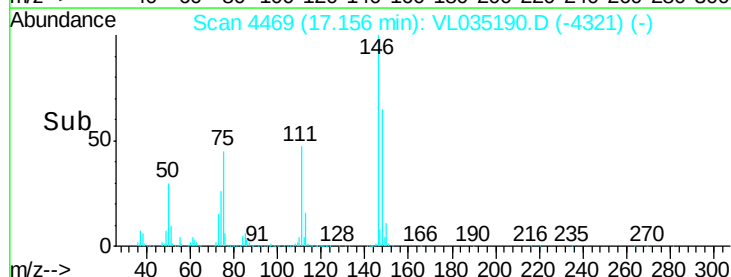
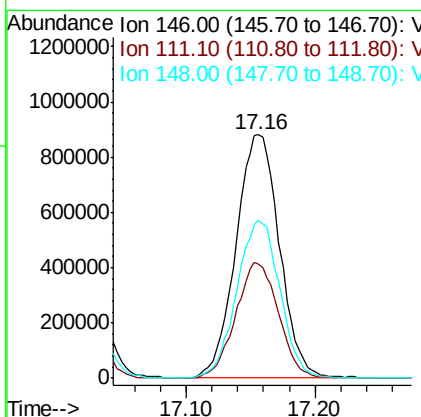
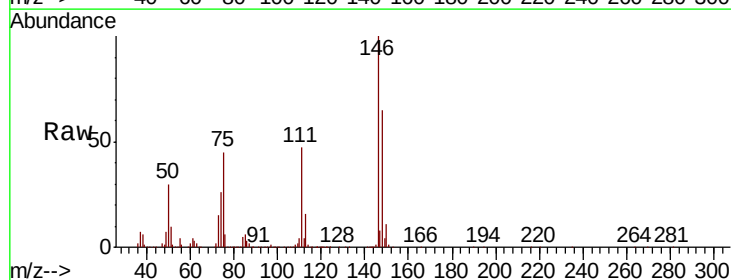
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

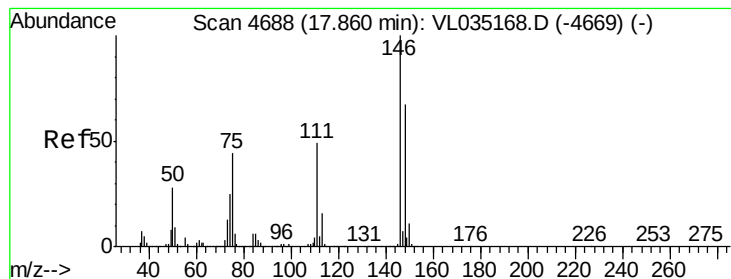
Tot Ion:146 Resp: 2015568
 Ion Ratio Lower Upper
 146 100
 111 49.7 24.7 74.1
 148 65.3 32.4 97.0



#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

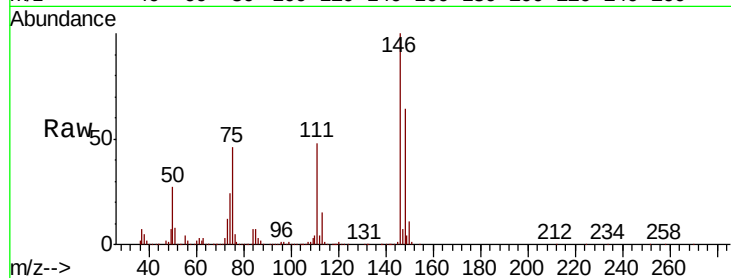
Tot Ion:146 Resp: 1984623

Ion Ratio Lower Upper

146 100

111 48.9 25.1 75.2

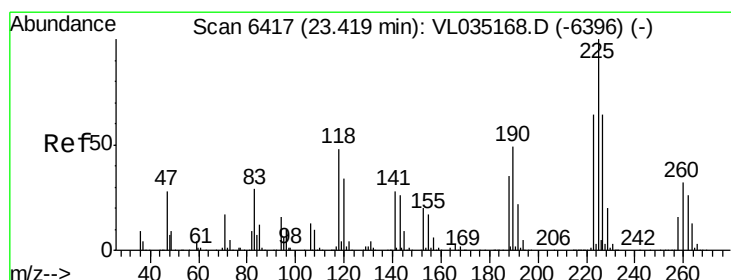
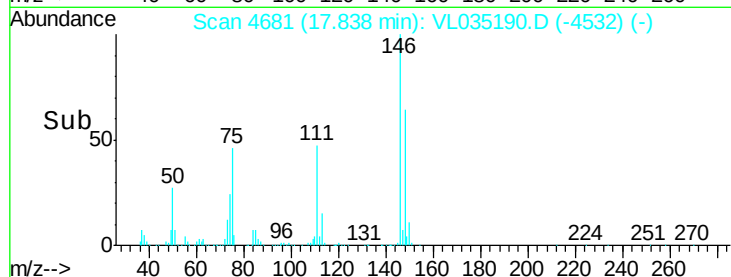
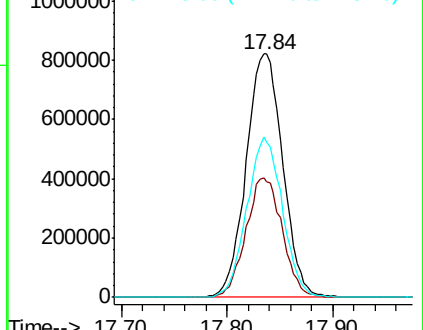
148 64.2 32.4 97.0



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

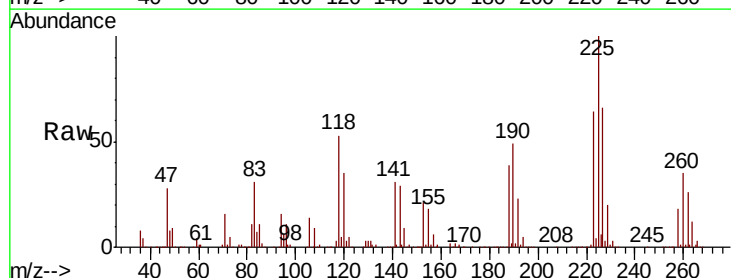
Tgt Ion:225 Resp: 1457716

Ion Ratio Lower Upper

225 100

223 63.5 50.2 75.2

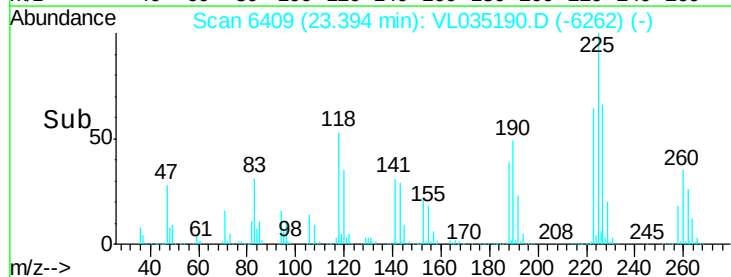
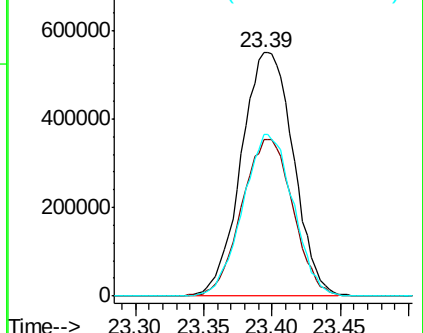
227 64.4 51.2 76.8

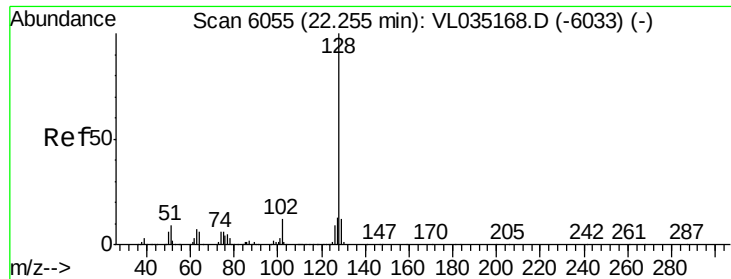


Abundance Ion 224.90 (224.60 to 225.60): V

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

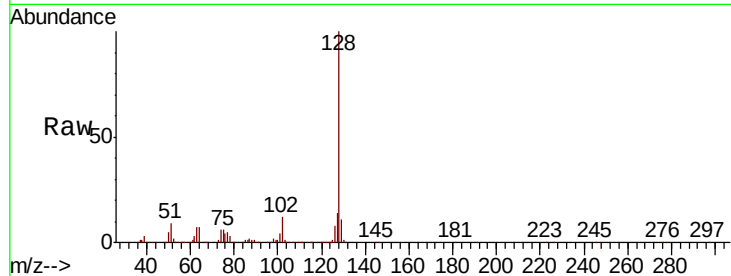
Tot Ion:128 Resp: 3013044

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

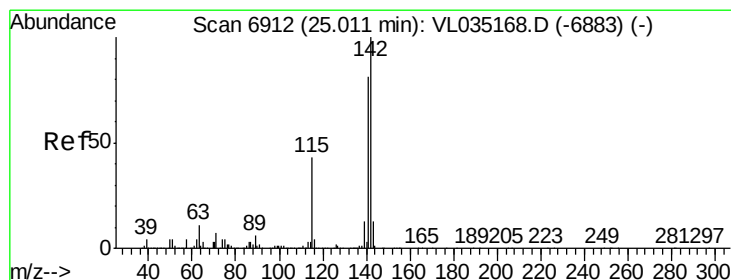
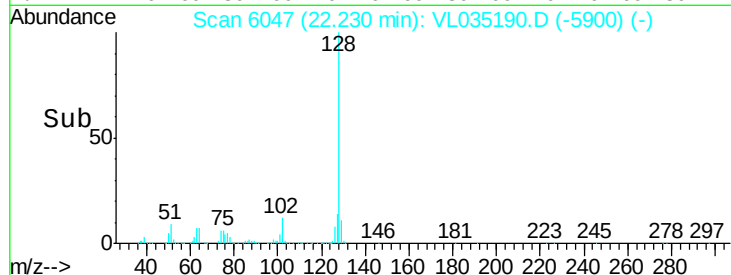
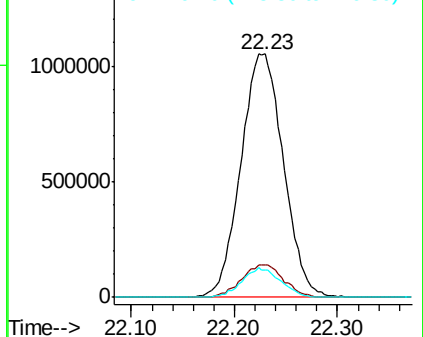
129 11.1 9.4 14.2



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

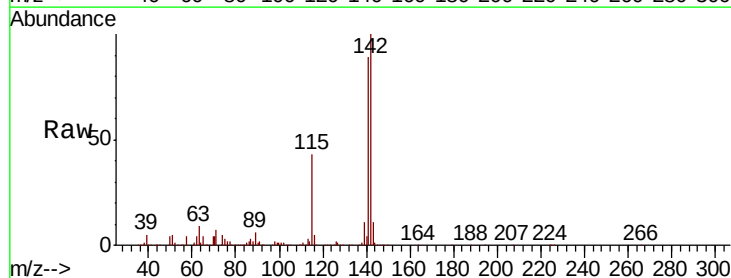
Tgt Ion:142 Resp: 1178640

Ion Ratio Lower Upper

142 100

141 84.3 68.2 102.4

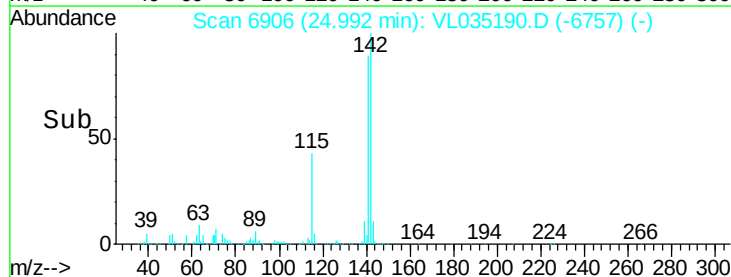
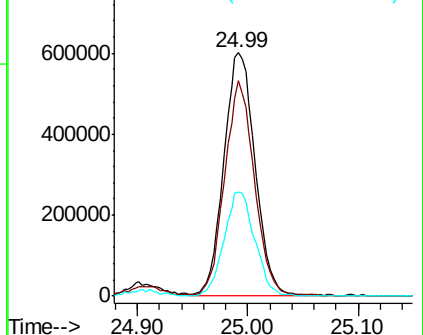
115 42.0 34.4 51.6

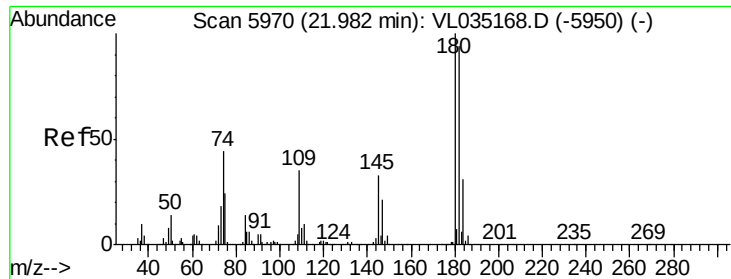


Abundance Ion 142.00 (141.70 to 142.70): V

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

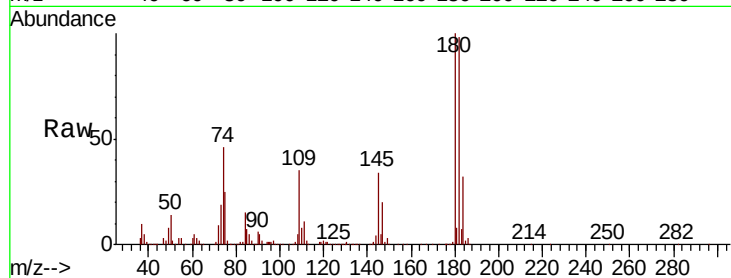
Tot Ion:180 Resp: 1679031

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

