

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035093.D
 Acq On : 22 May 2020 20:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 22 23:18:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1020200	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2403913	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.11	117	2981762	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	1955627	8.10	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1452520	10.032	ppbv	100
3) Chlorodifluoromethane	2.94	51	1204764	10.343	ppbv	100
4) Chloromethane	3.10	50	693061	10.383	ppbv	98
5) Vinyl Chloride	3.21	62	685685	10.530	ppbv	99
6) Bromomethane	3.43	94	421889	10.851	ppbv	93
7) Chloroethane	3.52	64	255578	10.928	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1601236	10.686	ppbv	99
9) Propene	2.96	41	506542	10.022	ppbv	99
10) Heptane	8.13	43	1434870	11.332	ppbv	100
11) Trichlorofluoromethane	3.92	101	1654493	11.082	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1161576	10.927	ppbv	98
13) Ethanol	3.57	45	90036	5.398	ppbv #	58
14) Bromoethene	3.70	108	508087	11.565	ppbv	99
15) Acetone	3.81	43	1293109	9.587	ppbv	100
16) 1,3-Butadiene	3.28	39	640171	11.029	ppbv	99
17) tert-Butyl alcohol	4.26	59	943736	7.864	ppbv	99
18) 1,1-Dichloroethene	4.26	96	526971	11.426	ppbv	94
19) Isopropyl Alcohol	3.93	45	814741	9.058	ppbv #	98
20) Methylene Chloride	4.31	84	466265	10.443	ppbv	94
21) Allyl Chloride	4.38	41	864786	11.351	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	502416	10.997	ppbv	95
23) Vinyl Acetate	5.05	43	1873221	10.953	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1412041	10.719	ppbv	99
25) Ethyl Acetate	5.66	43	2429735	10.725	ppbv	100
26) Hexane	5.67	57	1113877	11.341	ppbv	97
27) Carbon Disulfide	4.52	76	1299559	11.226	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1555411	10.398	ppbv	99
29) Chloroform	5.74	83	1715732	10.676	ppbv	97
30) Cyclohexane	7.13	84	915351	12.077	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1100754	11.486	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1638631	11.291	ppbv	100
34) 2-Butanone	5.22	43	1594066	10.669	ppbv	99
35) Carbon Tetrachloride	7.02	117	1709027	11.264	ppbv	98
36) Benzene	6.89	78	2185315	11.026	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1338855	10.951	ppbv	100
38) Trichloroethene	7.84	130	844325	10.996	ppbv	95
39) 1,2-Dichloropropane	7.62	63	861771	10.847	ppbv	96
40) 1,4-Dioxane	7.83	88	277192	8.583	ppbv #	1
41) Tetrahydrofuran	6.04	42	867411	11.027	ppbv	98
42) Bromodichloromethane	7.80	83	1844941	11.189	ppbv	97
43) Methyl Methacrylate	8.02	69	952788	11.385	ppbv	99

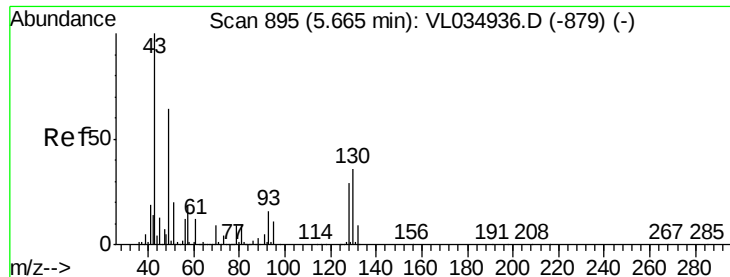
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052220\
 Data File : VL035093.D
 Acq On : 22 May 2020 20:38
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Quant Time: May 22 23:18:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3782392	10.734	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1020300	12.081	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1243345	11.991	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	922087	10.998	ppbv	98
48) Dibromochloromethane	10.32	129	1502859	11.656	ppbv	98
49) Bromoform	13.07	173	1333543	12.021	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2396087	11.247	ppbv	100
51) 2-Hexanone	10.14	43	1993917	11.965	ppbv #	100
52) Tetrachloroethene	11.24	164	793473	11.259	ppbv	96
53) Toluene	9.83	91	2518186	11.986	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1378224	11.194	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	645396	4.800	ppbv #	38
57) Chlorobenzene	12.17	112	1934572	8.190	ppbv	98
58) Ethyl Benzene	12.74	91	3433802	9.313	ppbv	100
59) m/p-Xylene	13.02	91	2045073	6.304	ppbv #	51
60) o-Xylene	13.72	91	2837673	8.864	ppbv	100
61) Styrene	13.55	104	1967435	9.712	ppbv	99
62) Isopropylbenzene	14.70	105	4009314	8.389	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2089439	8.292	ppbv	100
64) n-propylbenzene	15.60	120	1029007	8.394	ppbv	95
65) tert-Butylbenzene	16.78	119	3494296	8.430	ppbv	99
66) Benzyl Chloride	17.03	91	1171857	8.327	ppbv	97
67) sec-Butylbenzene	17.33	105	4960637	8.383	ppbv	99
69) p-Isopropyltoluene	17.69	119	4065878	8.493	ppbv	100
70) n-Butylbenzene	18.59	91	4293940	8.427	ppbv	99
71) 2-Chlorotoluene	15.49	91	3121216	8.651	ppbv	99
72) 4-Ethyltoluene	15.87	105	3284879	9.197	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3140934	9.037	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3230865	8.516	ppbv	95
75) 1,3-Dichlorobenzene	17.04	146	1820735	8.173	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1810715	8.554	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1789391	8.525	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1400801	7.829	ppbv	99
79) Naphthalene	22.25	128	2713188	9.184	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	754807	10.394	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1514781	8.455	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

ClientSampleId :

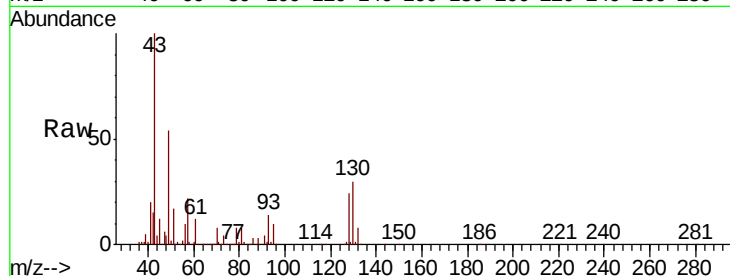
Tot Ion: 49 Resp: 1020200

Ion Ratio Lower Upper

49 100

128 45.5 22.1 66.5

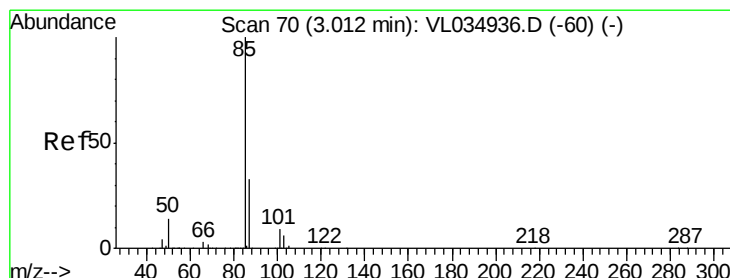
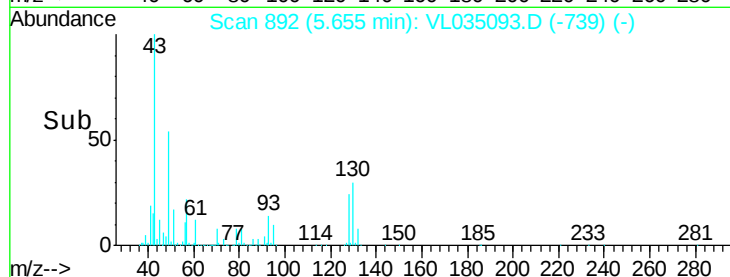
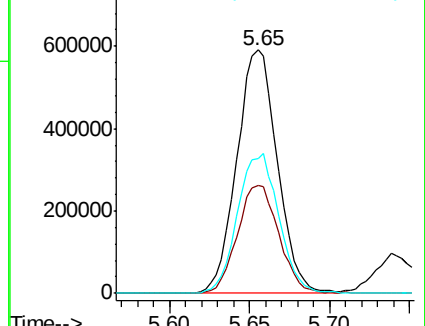
130 58.4 29.1 87.3



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



#2

Dichlorodifluoromethane

Concen: 10.032 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035093.D

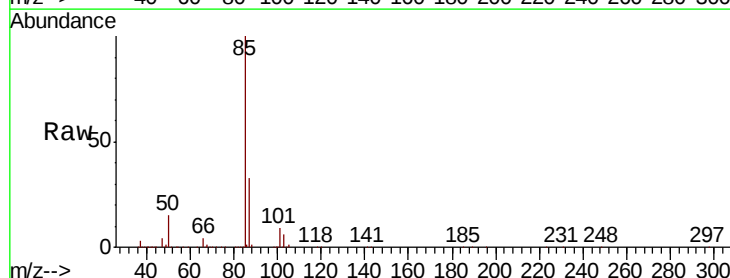
Acq: 22 May 2020 20:38

Tgt Ion: 85 Resp: 1452520

Ion Ratio Lower Upper

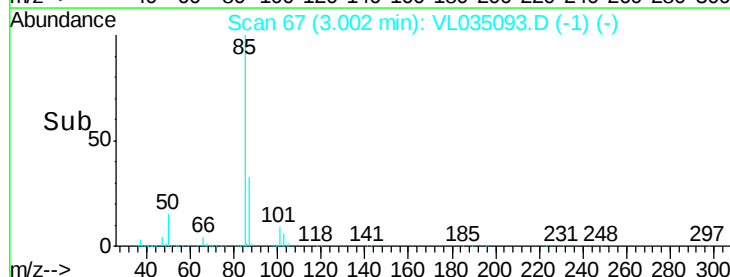
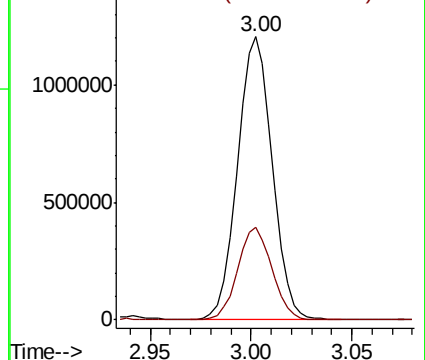
85 100

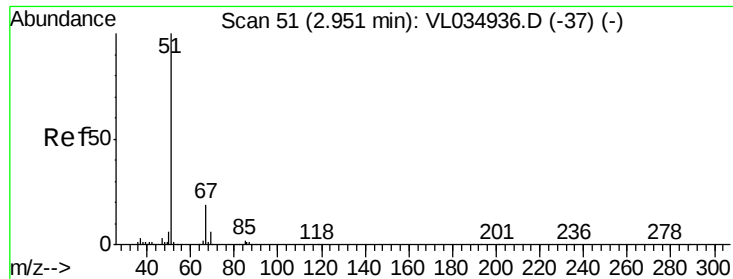
87 32.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

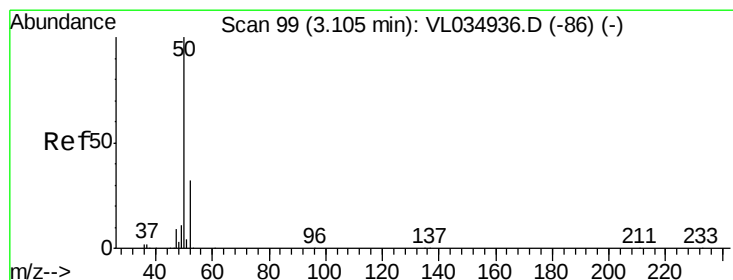
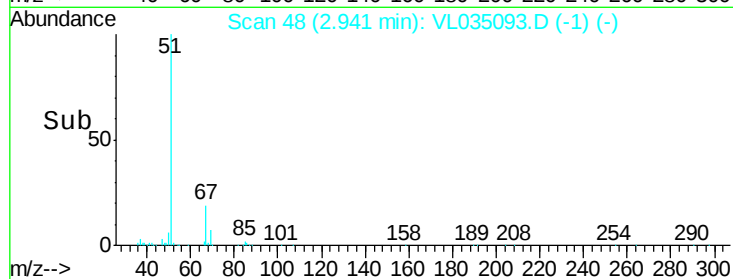
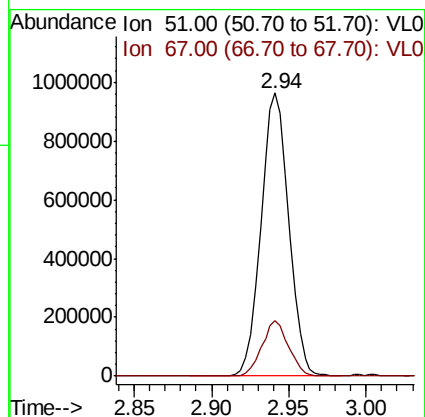
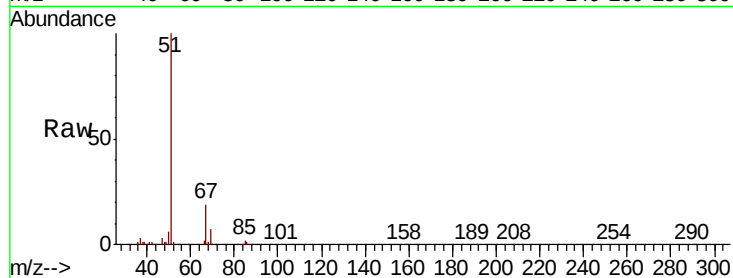




#3
Chlorodifluoromethane
Concen: 10.343 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

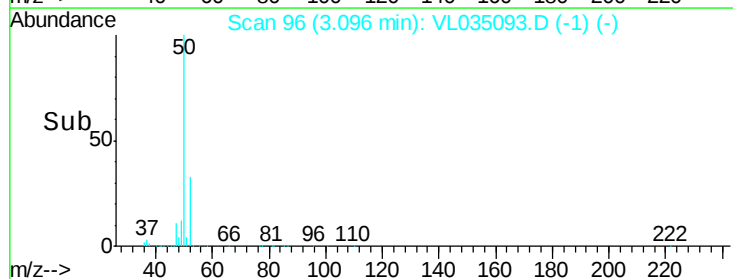
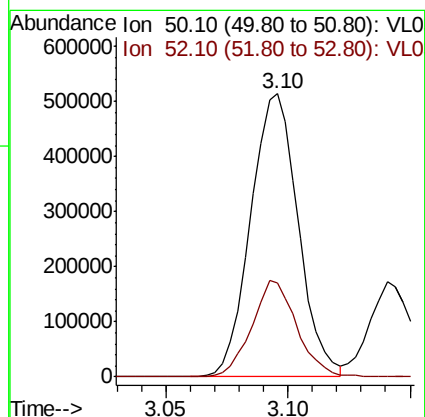
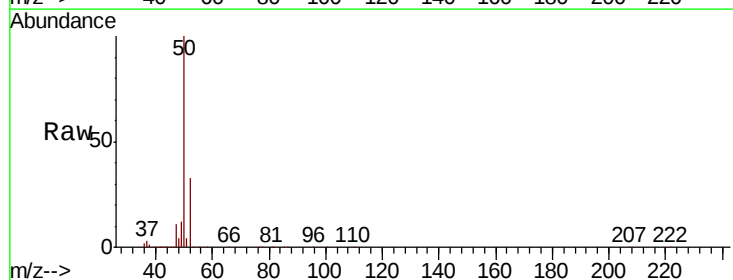
Instrument :
MSVOA_L
ClientSampled :

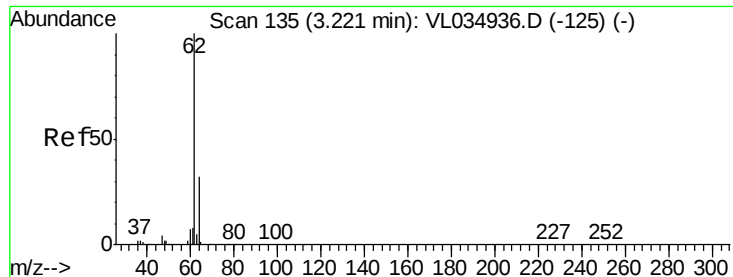
Tot Ion: 51 Resp: 1204764
Ion Ratio Lower Upper
51 100
67 18.9 15.0 22.6



#4
Chloromethane
Concen: 10.383 ppbv
RT: 3.10 min Scan# 96
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion: 50 Resp: 693061
Ion Ratio Lower Upper
50 100
52 33.1 25.4 38.2





#5

Vinyl Chloride

Concen: 10.530 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

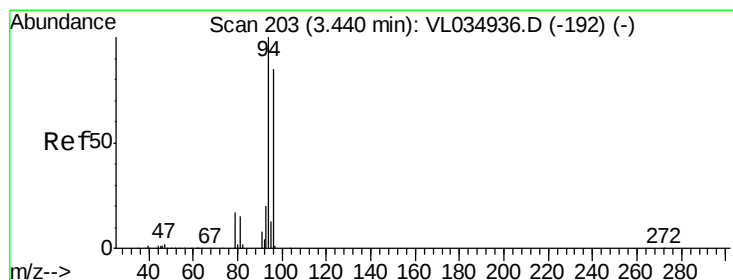
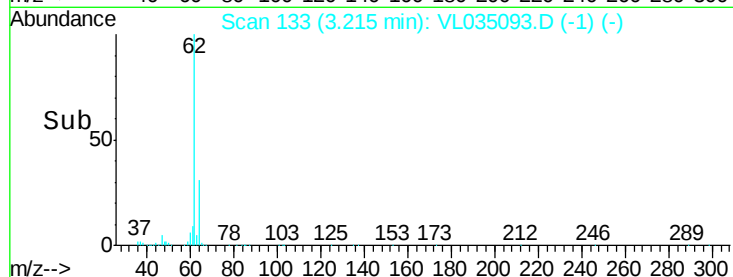
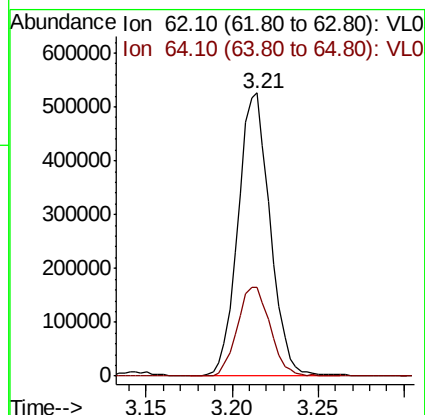
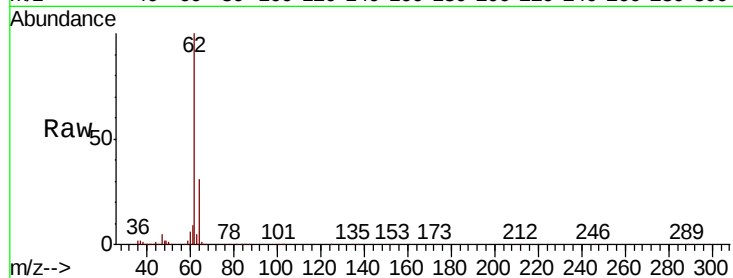
ClientSampleId :

Tot Ion: 62 Resp: 685685

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5



#6

Bromomethane

Concen: 10.851 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.01 min

Lab File: VL035093.D

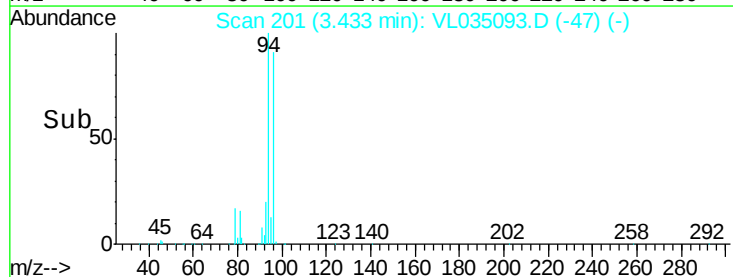
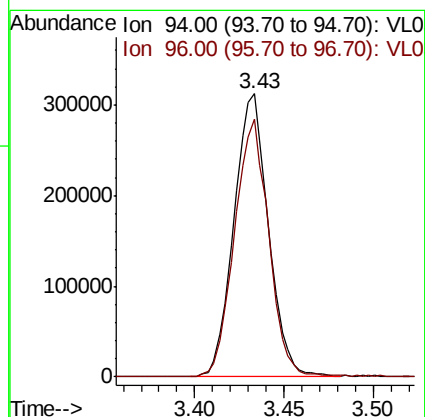
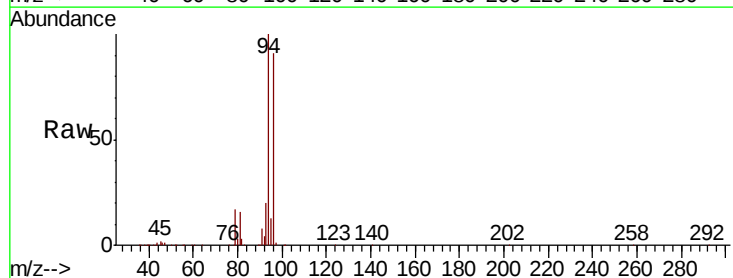
Acq: 22 May 2020 20:38

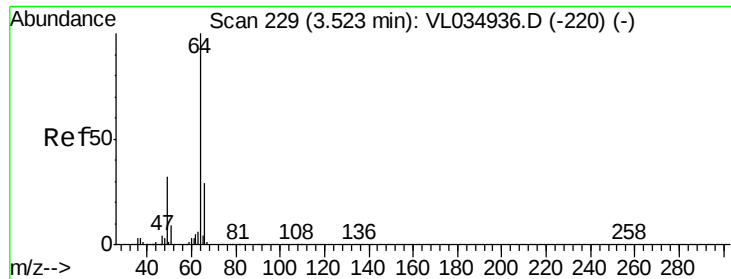
Tgt Ion: 94 Resp: 421889

Ion Ratio Lower Upper

94 100

96 90.9 67.9 101.9





#7

Chloroethane

Concen: 10.928 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

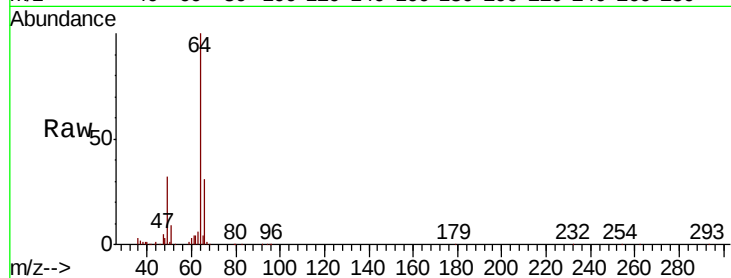
ClientSampled :

Tot Ion: 64 Resp: 255578

Ion Ratio Lower Upper

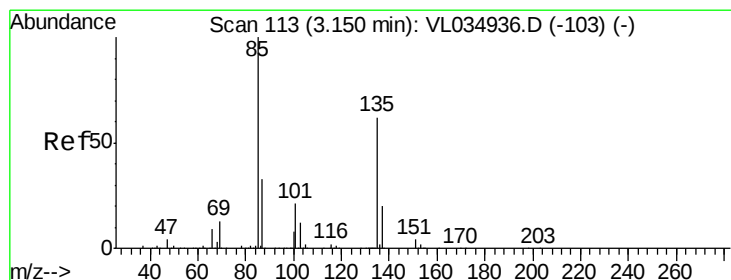
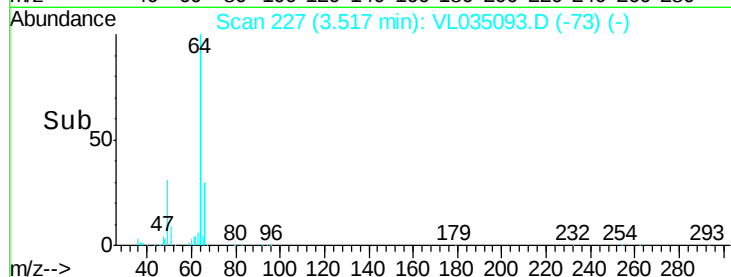
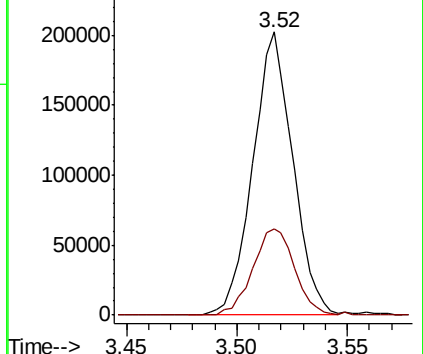
64 100

66 30.6 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.686 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL035093.D

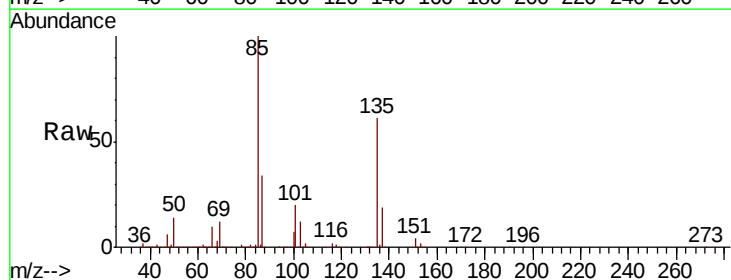
Acq: 22 May 2020 20:38

Tgt Ion: 85 Resp: 1601236

Ion Ratio Lower Upper

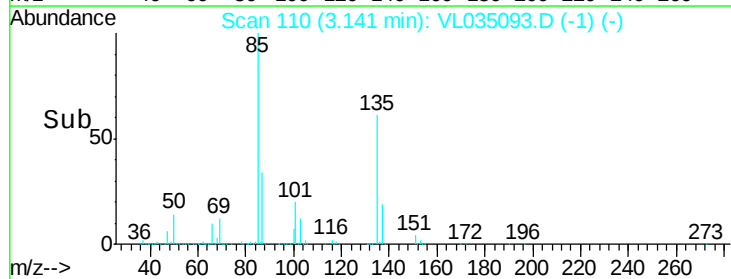
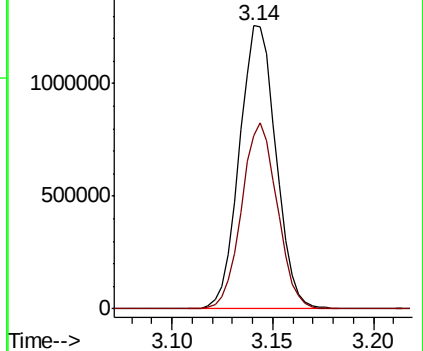
85 100

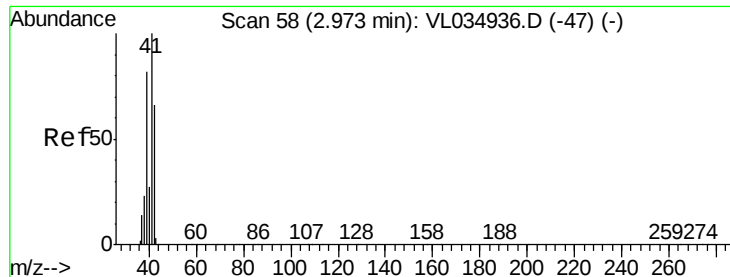
135 64.3 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.022 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

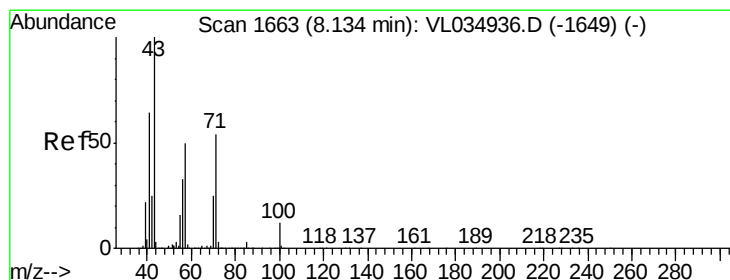
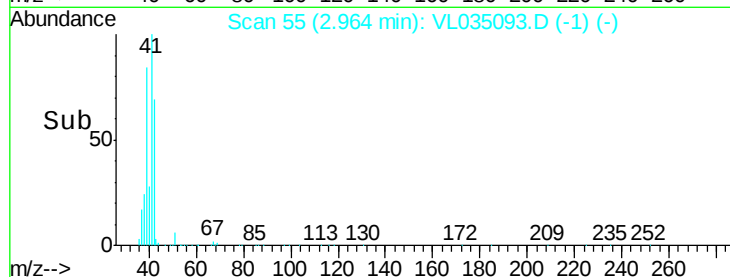
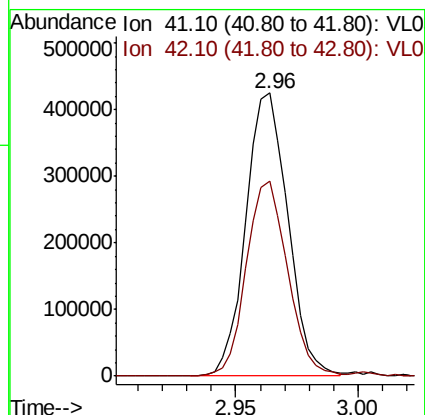
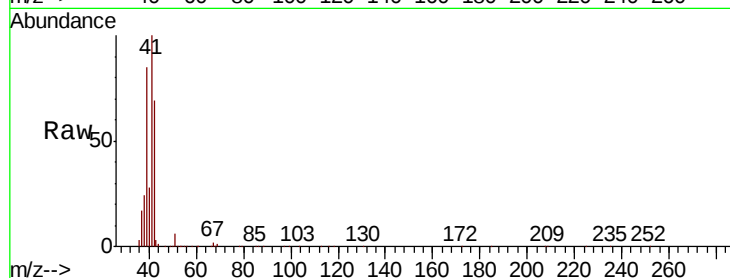
ClientSampleId :

Tot Ion: 41 Resp: 506542

Ion Ratio Lower Upper

41 100

42 68.7 54.5 81.7



#10

Heptane

Concen: 11.332 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL035093.D

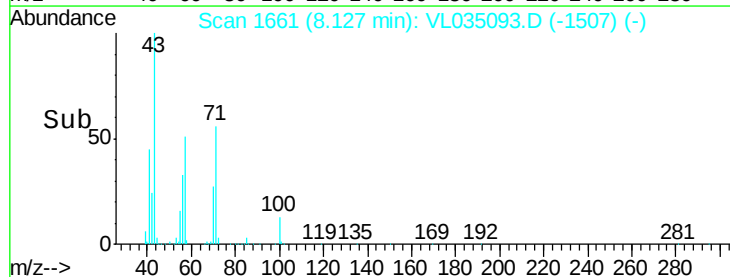
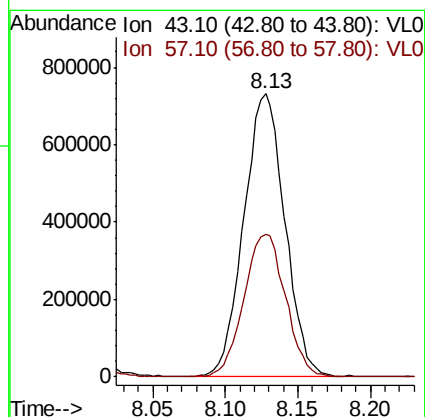
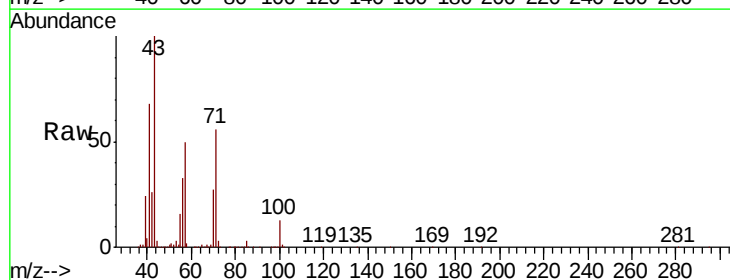
Acq: 22 May 2020 20:38

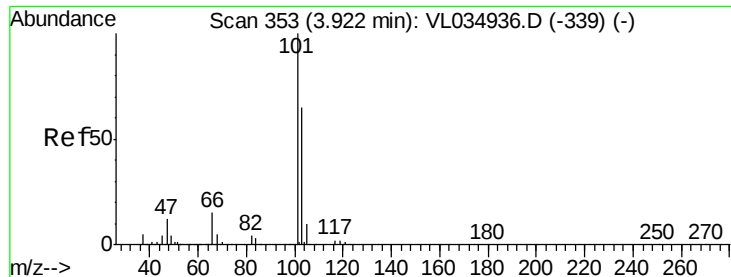
Tgt Ion: 43 Resp: 1434870

Ion Ratio Lower Upper

43 100

57 51.7 41.1 61.7

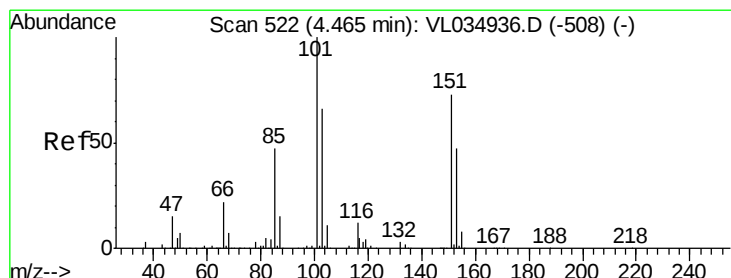
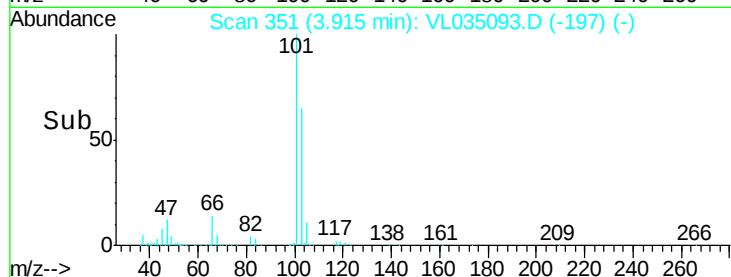
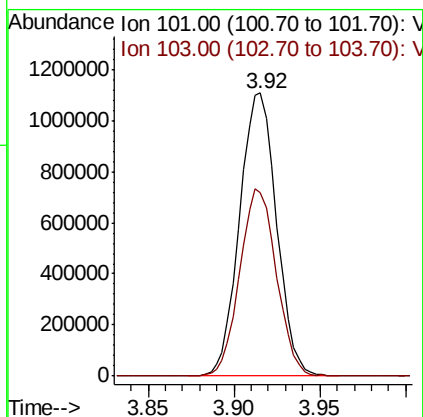
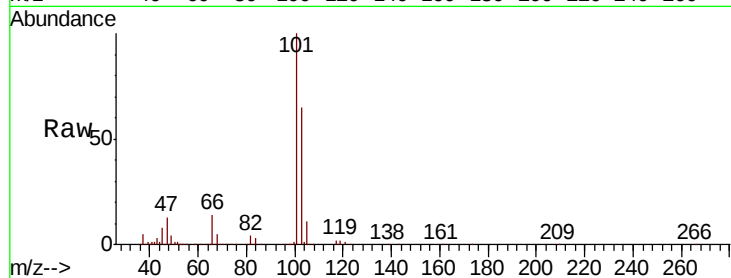




#11
 Trichlorofluoromethane
 Concen: 11.082 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

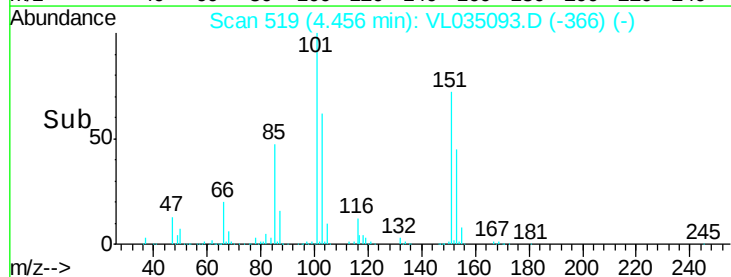
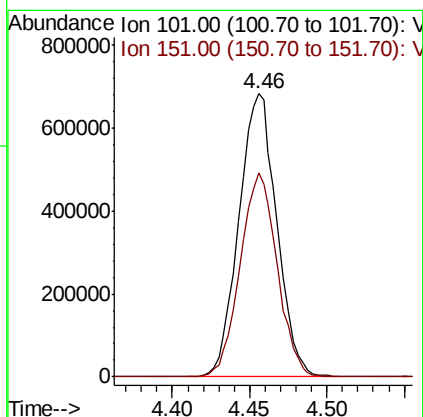
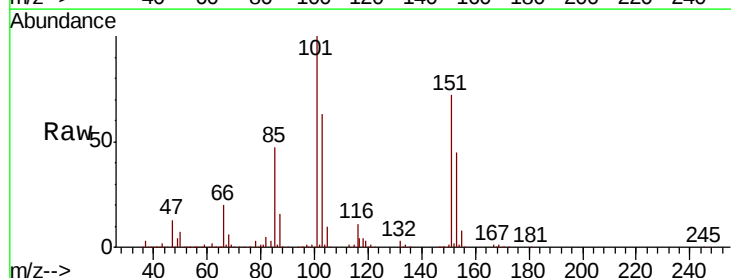
Instrument :
 MSVOA_L
 ClientSampleId :

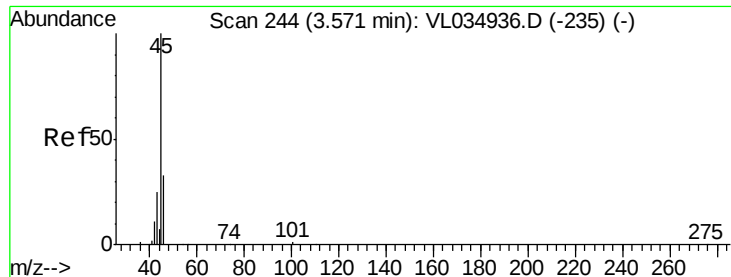
Tot Ion:101 Resp: 1654493
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.927 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion:101 Resp: 1161576
 Ion Ratio Lower Upper
 101 100
 151 70.4 57.6 86.4

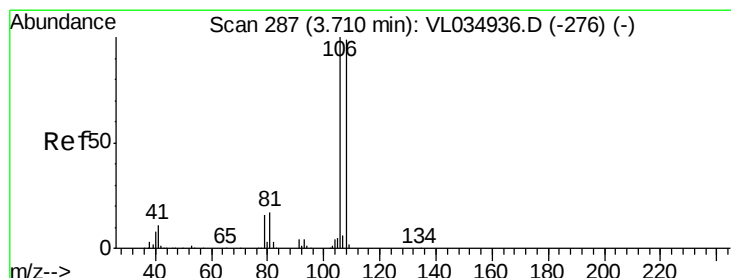
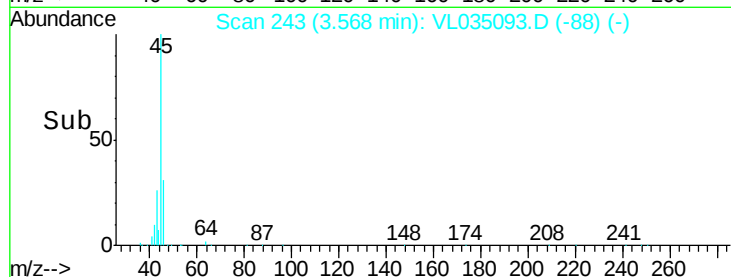
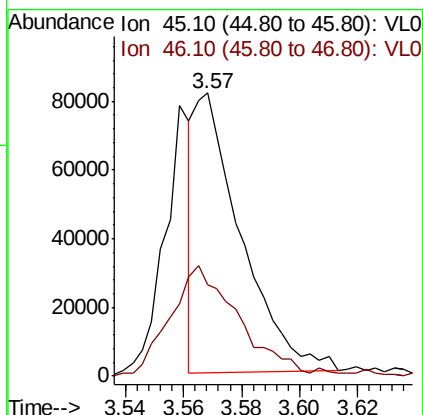
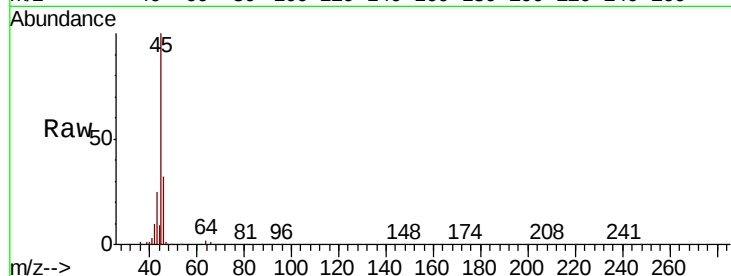




#13
Ethanol
Concen: 5.398 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

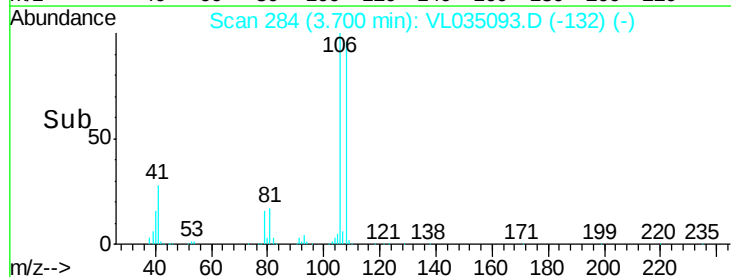
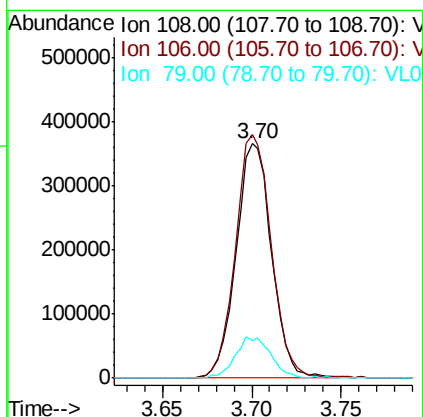
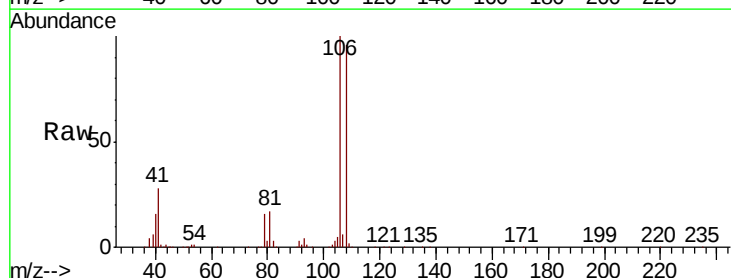
Instrument :
MSVOA_L
ClientSampleId :

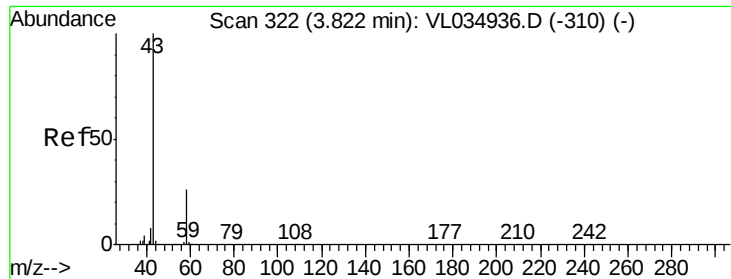
Tot Ion: 45 Resp: 90036
Ion Ratio Lower Upper
45 100
46 60.5 14.3 57.3#



#14
Bromoethene
Concen: 11.565 ppbv
RT: 3.70 min Scan# 284
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion: 108 Resp: 508087
Ion Ratio Lower Upper
108 100
106 105.2 84.9 127.3
79 18.1 14.1 21.1





#15

Acetone

Concen: 9.587 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

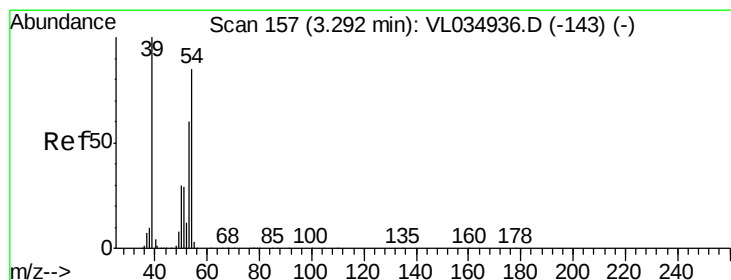
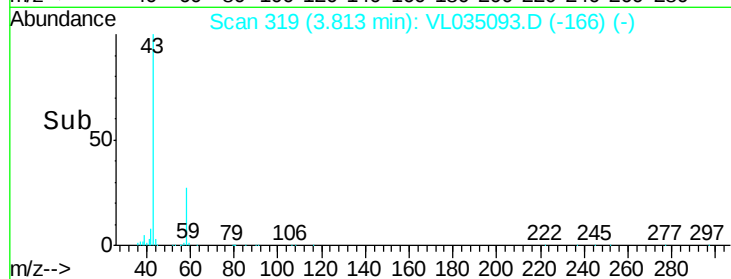
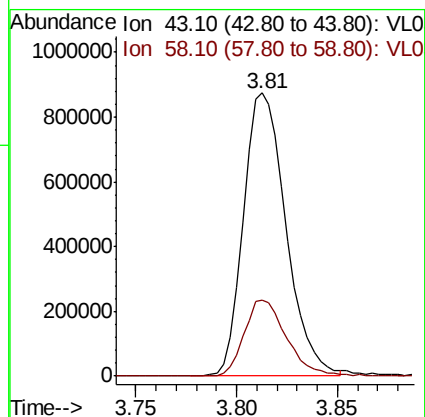
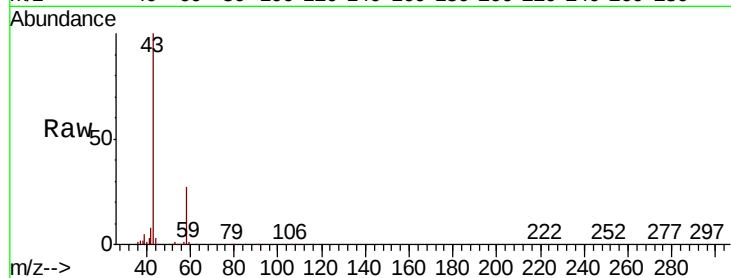
ClientSampleId :

Tot Ion: 43 Resp: 1293109

Ion Ratio Lower Upper

43 100

58 27.1 21.7 32.5



#16

1,3-Butadiene

Concen: 11.029 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.01 min

Lab File: VL035093.D

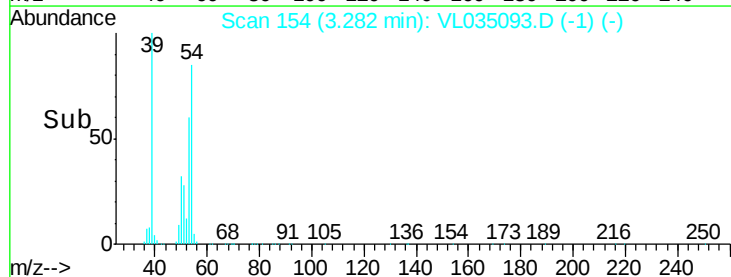
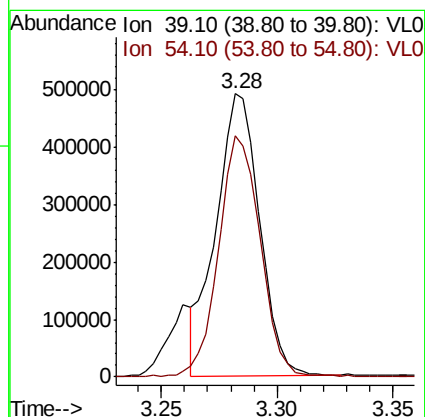
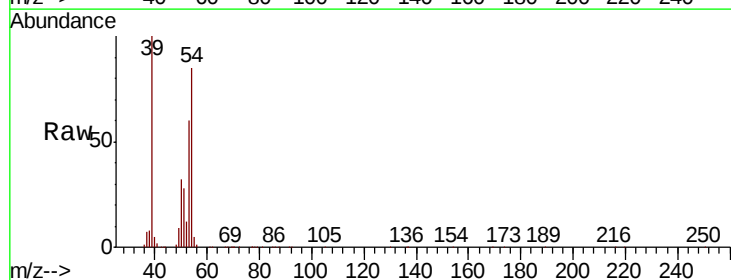
Acq: 22 May 2020 20:38

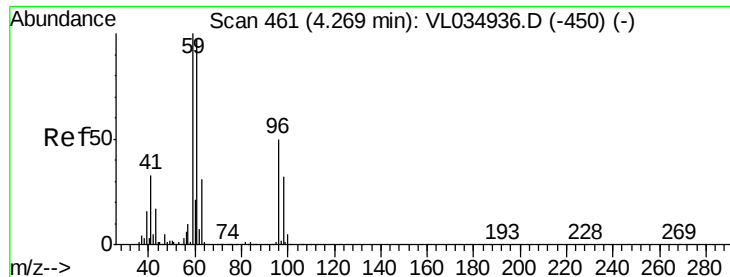
Tgt Ion: 39 Resp: 640171

Ion Ratio Lower Upper

39 100

54 82.5 66.6 100.0



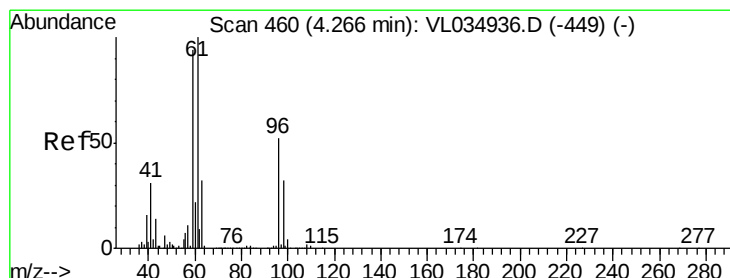
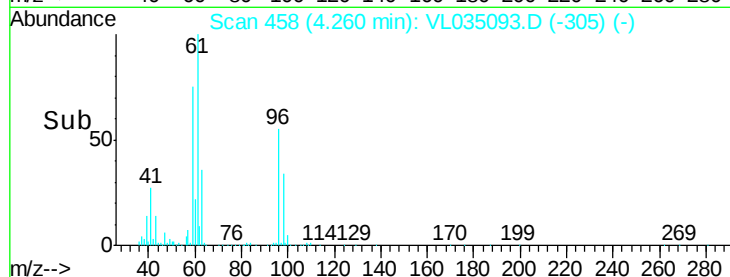
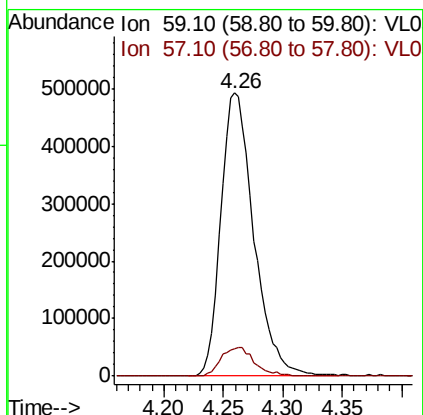
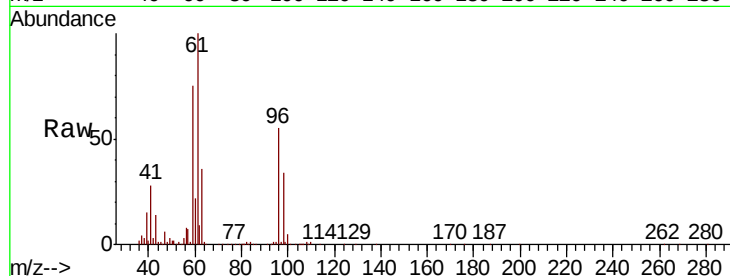


#17

tert-Butyl alcohol
 Concen: 7.864 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Instrument :
 MSVOA_L
 ClientSampled :

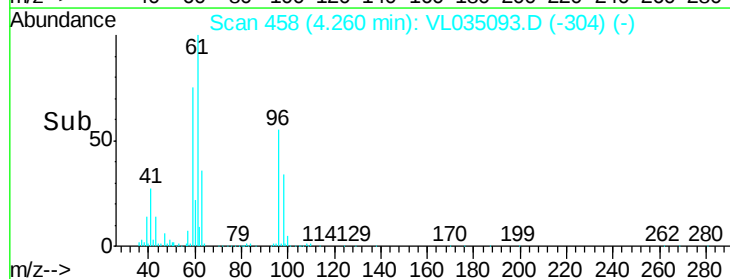
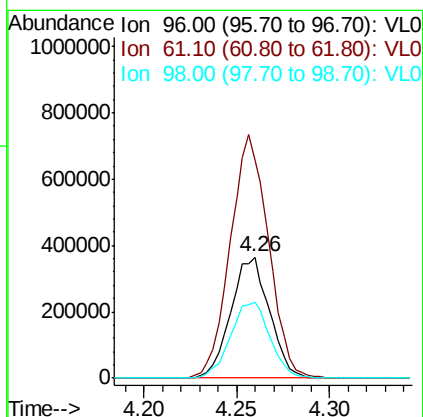
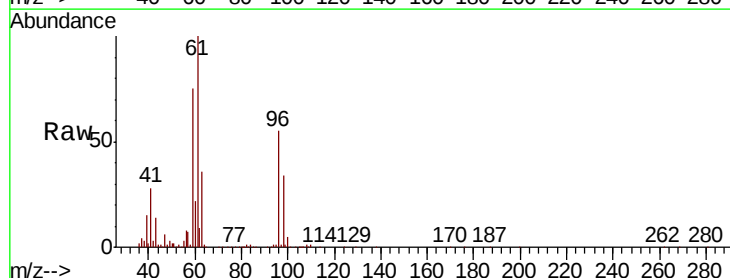
Tot Ion: 59 Resp: 943736
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.7 13.1

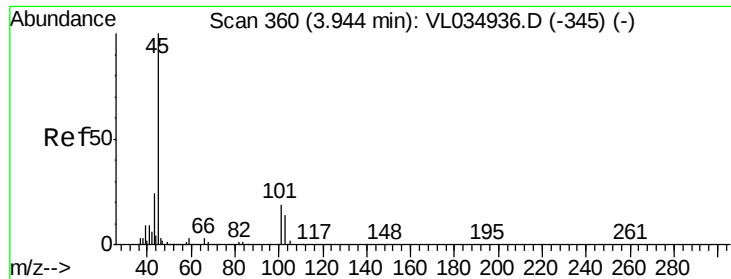


#18

1,1-Dichloroethene
 Concen: 11.426 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion: 96 Resp: 526971
 Ion Ratio Lower Upper
 96 100
 61 180.1 152.4 228.6
 98 62.2 48.8 73.2





#19

Isopropyl Alcohol

Concen: 9.058 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

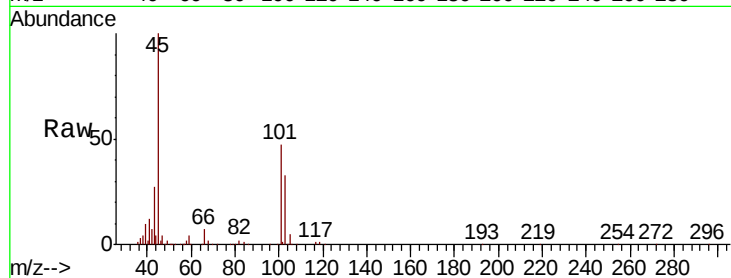
ClientSampleId :

Tot Ion: 45 Resp: 814741

Ion Ratio Lower Upper

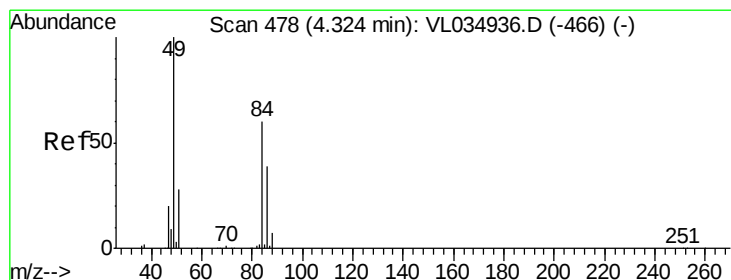
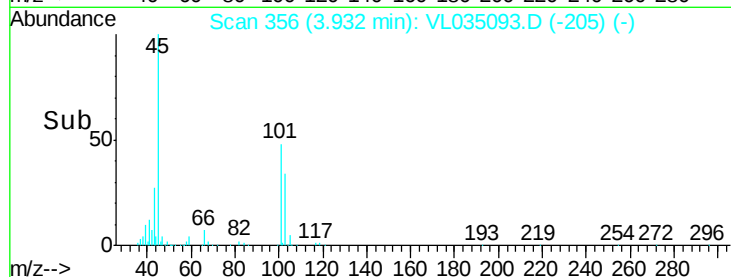
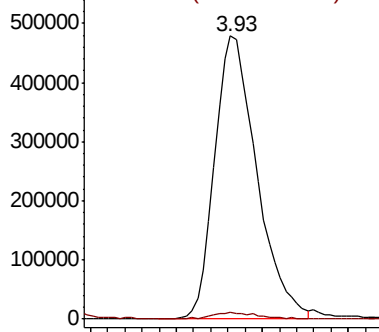
45 100

58 2.8 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 10.443 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Tgt Ion: 84 Resp: 466265

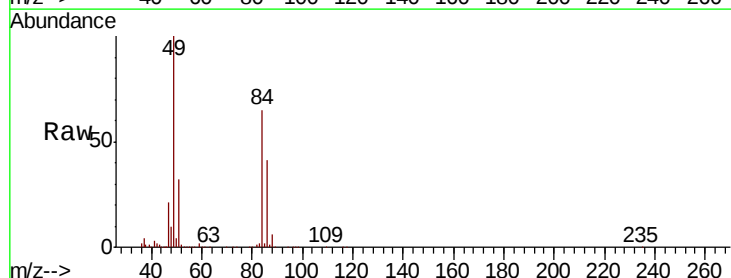
Ion Ratio Lower Upper

84 100

49 152.3 132.5 198.7

51 48.5 38.4 57.6

86 62.6 51.2 76.8

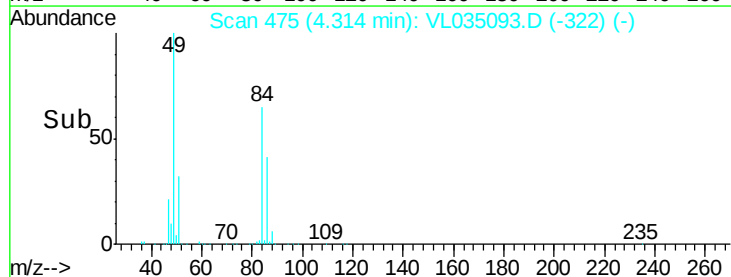
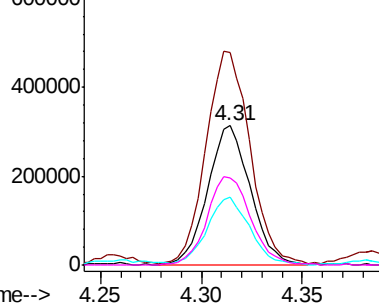


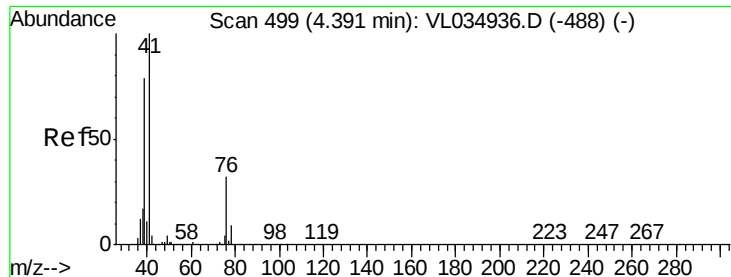
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

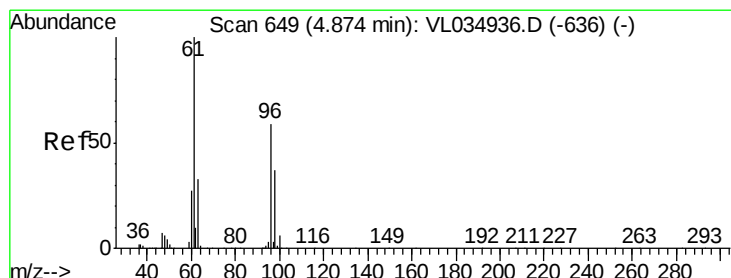
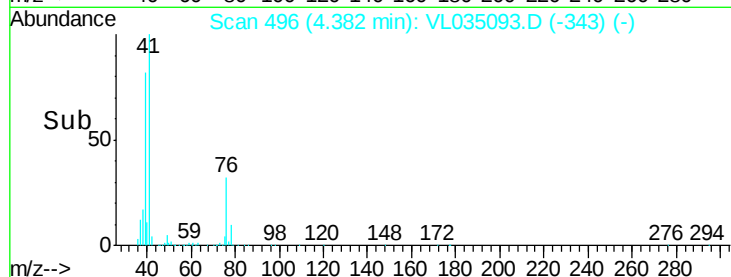
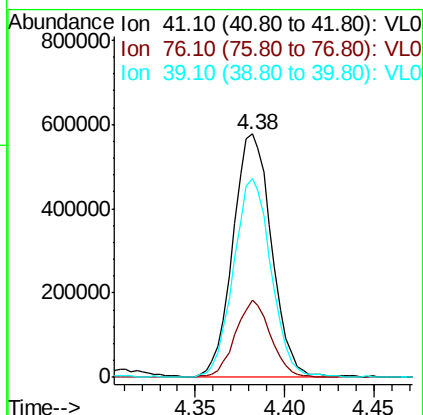
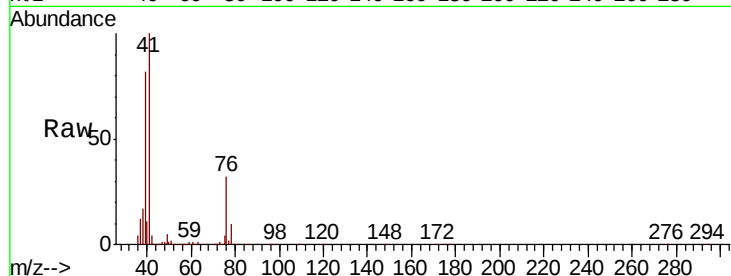




#21
Allvl Chloride
Concen: 11.351 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

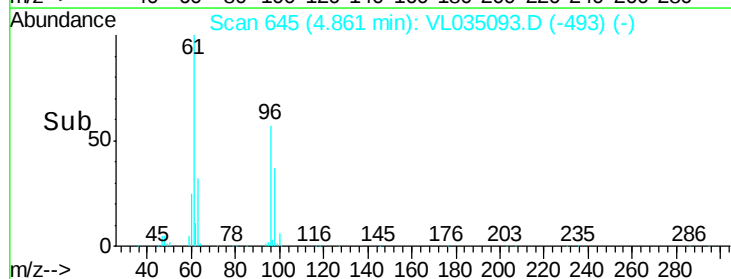
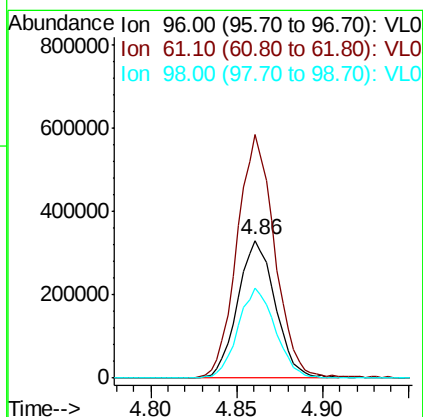
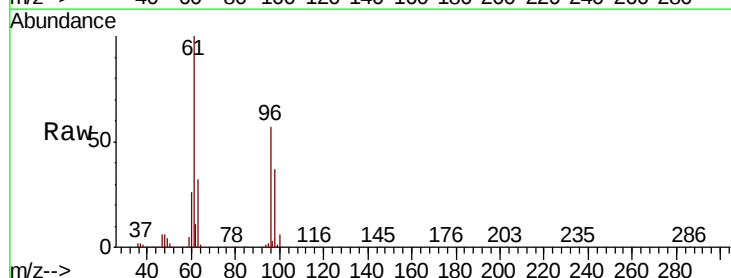
Instrument :
MSVOA_L
ClientSampleId :

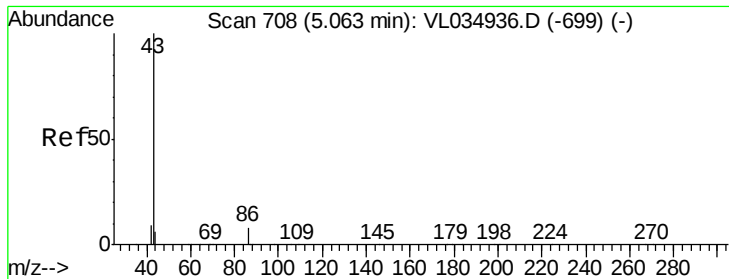
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.6	23.6	35.4
39	80.0	61.9	92.9



#22
trans-1,2-Dichloroethene
Concen: 10.997 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.5	135.3	202.9
98	65.1	50.4	75.6





#23

Vinyl Acetate

Concen: 10.953 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

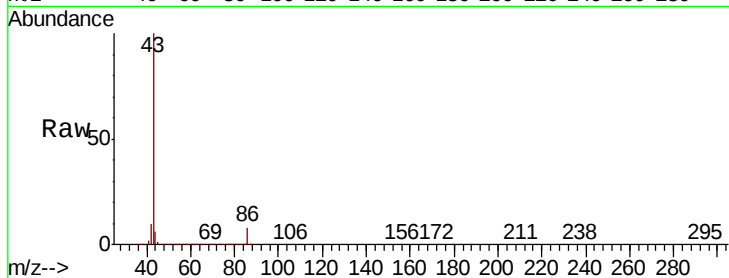
Lab File: VL035093.D

Acq: 22 May 2020 20:38

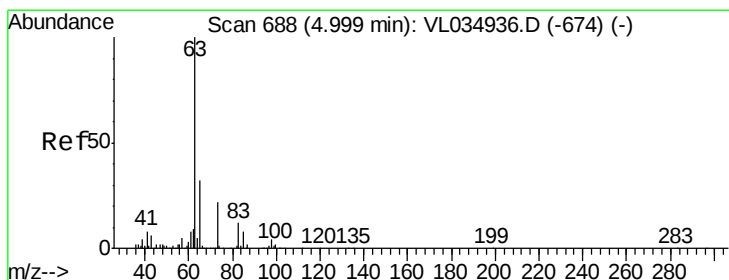
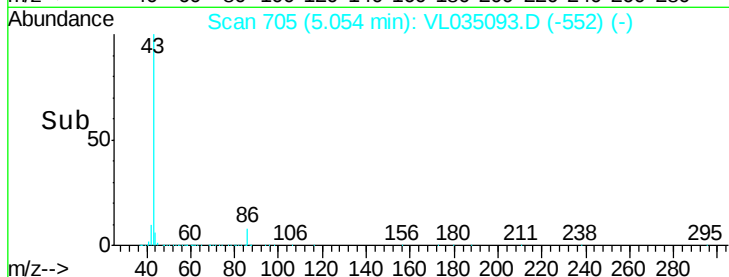
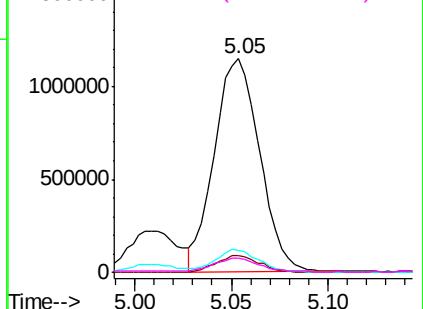
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1873221

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	9.8	8.0	12.0
44	6.0	4.5	6.7



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: 10.719 ppbv

RT: 4.99 min Scan# 685

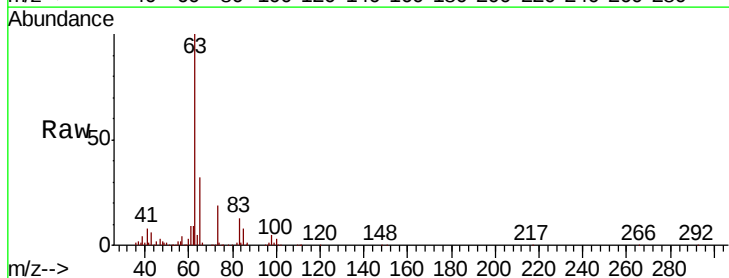
Delta R.T. -0.01 min

Lab File: VL035093.D

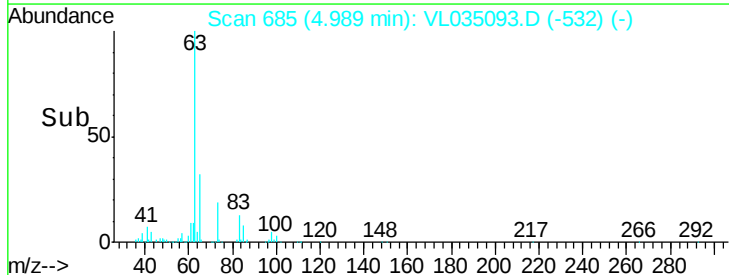
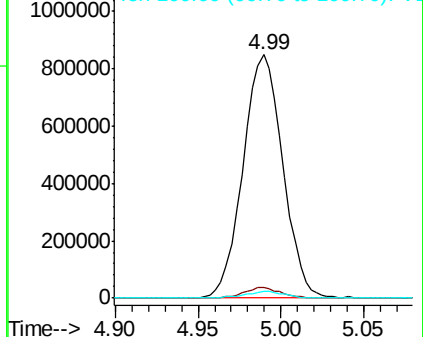
Acq: 22 May 2020 20:38

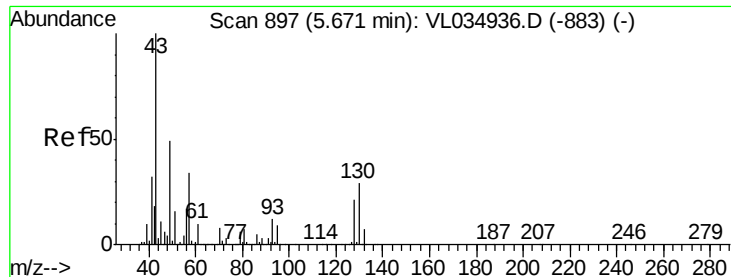
Tgt Ion: 63 Resp: 1412041

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.0	6.0
100	2.6	1.1	3.5



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

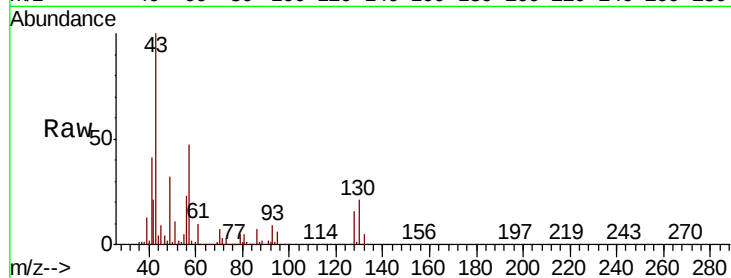




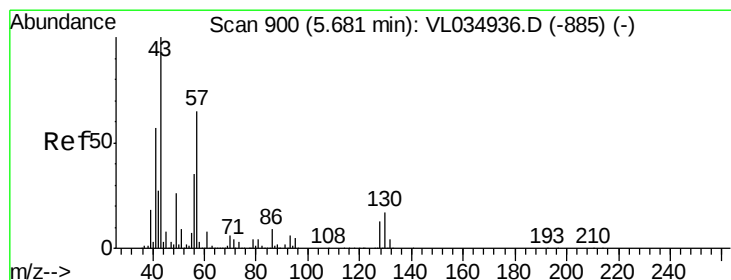
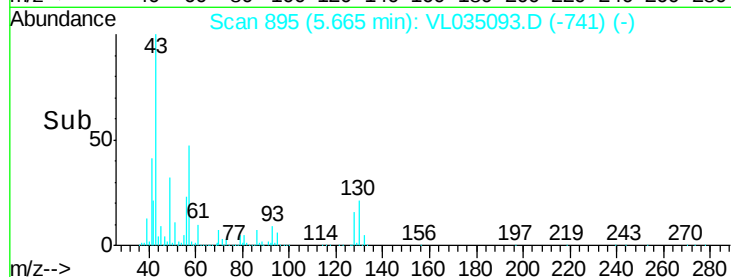
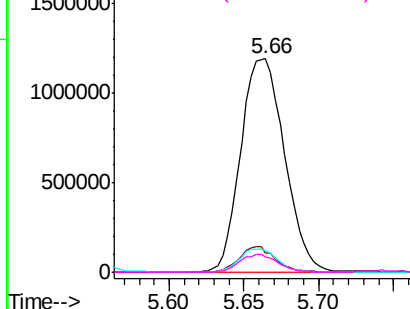
#25
Ethyl Acetate
Concen: 10.725 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	2429735
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	9.8	7.8	11.8
70	7.3	6.0	9.0

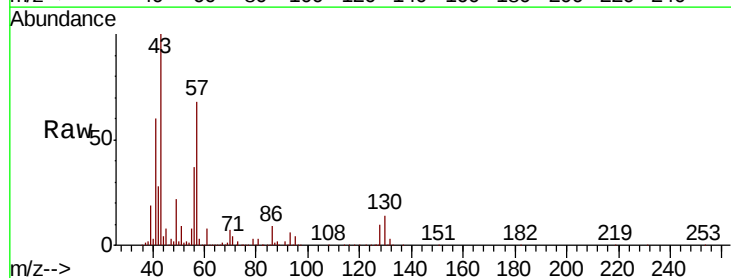


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

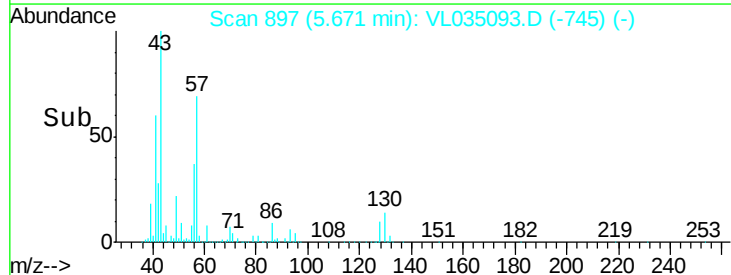
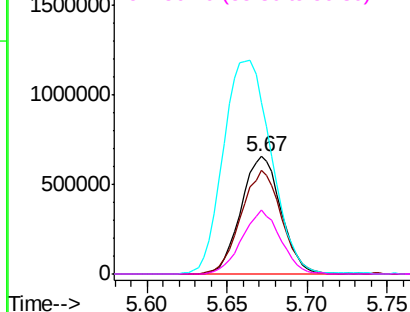


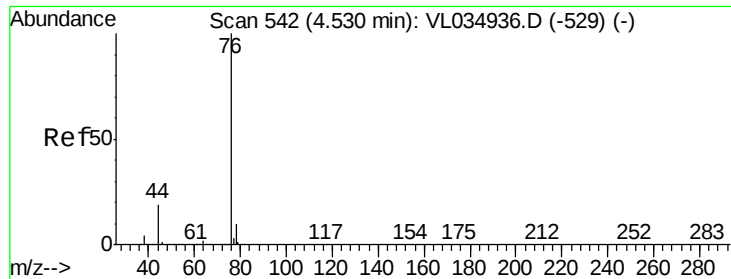
#26
Hexane
Concen: 11.341 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion:	57	Resp:	1113877
Ion	Ratio	Lower	Upper
57	100		
41	89.9	72.7	109.1
43	219.2	182.1	273.1
56	52.6	42.2	63.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.226 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

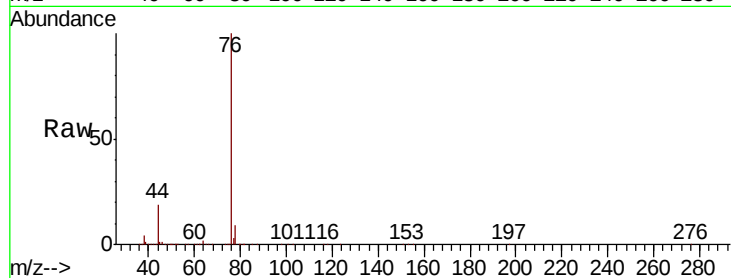
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1299559

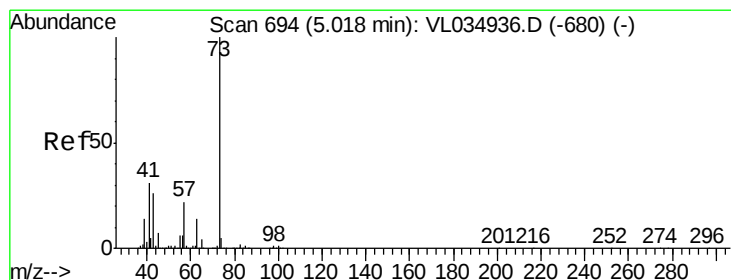
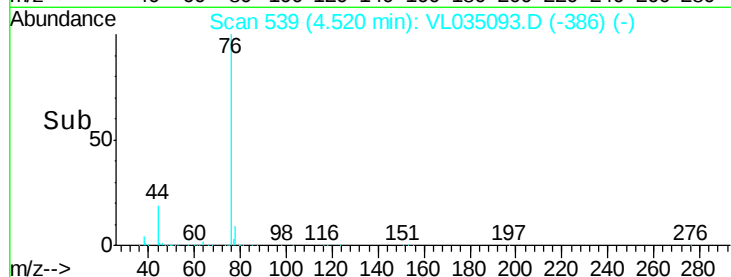
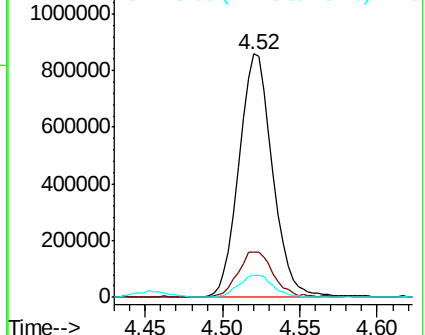
Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.2	22.8
78	9.4	7.7	11.5



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: 10.398 ppbv

RT: 5.01 min Scan# 691

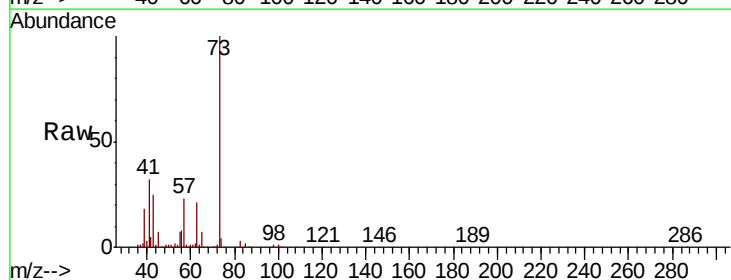
Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

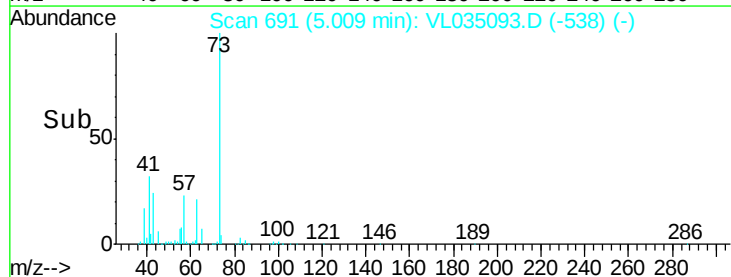
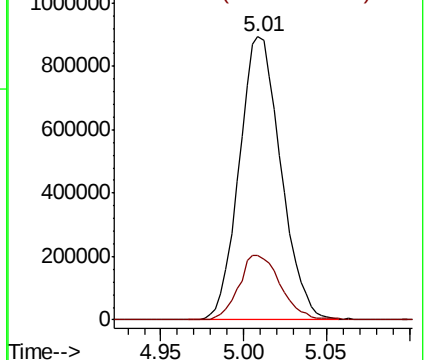
Tgt Ion: 73 Resp: 1555411

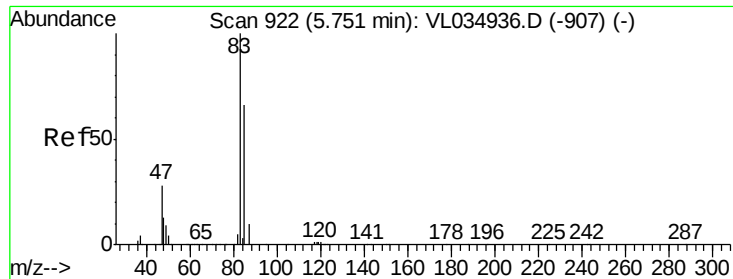
Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.3	27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.676 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

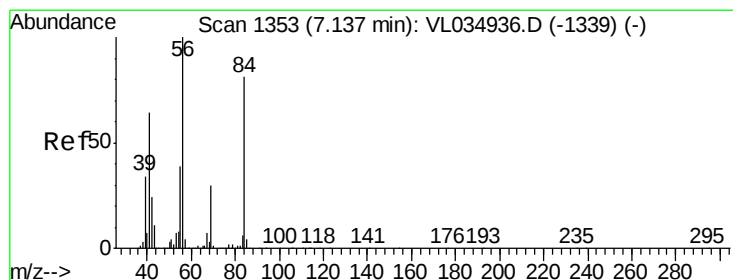
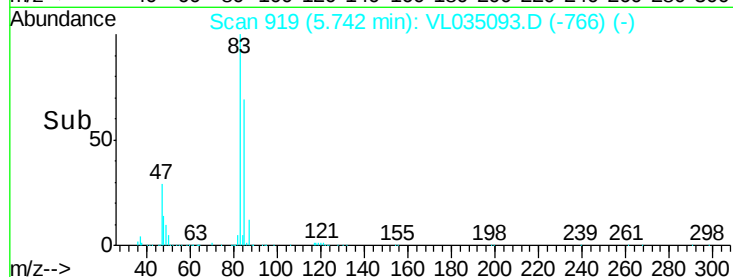
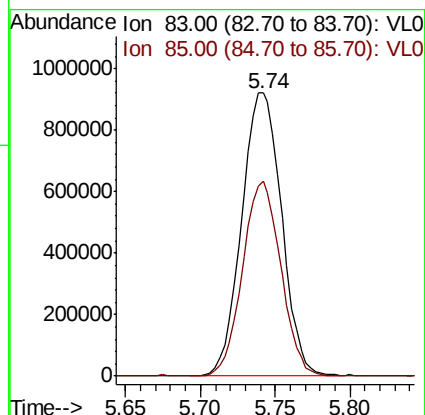
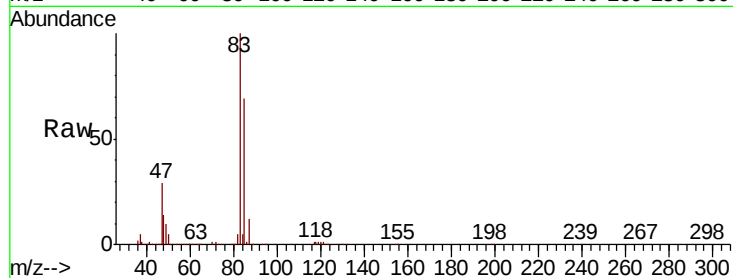
ClientSampleId :

Tot Ion: 83 Resp: 1715732

Ion Ratio Lower Upper

83 100

85 68.7 53.0 79.6



#30

Cyclohexane

Concen: 12.077 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

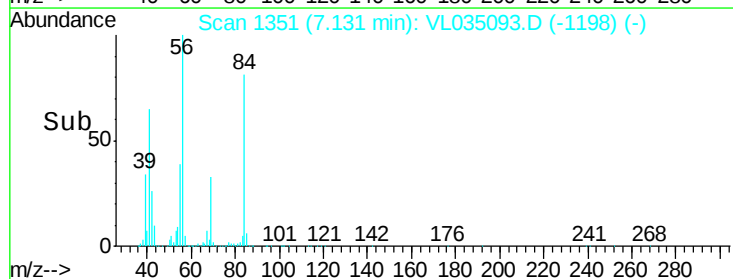
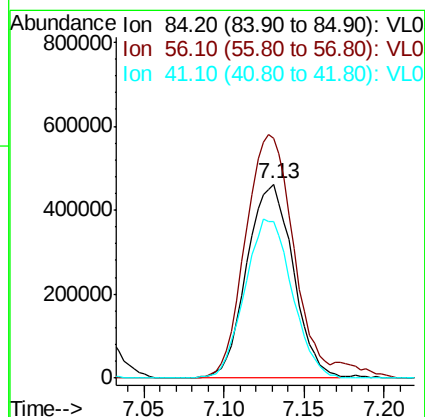
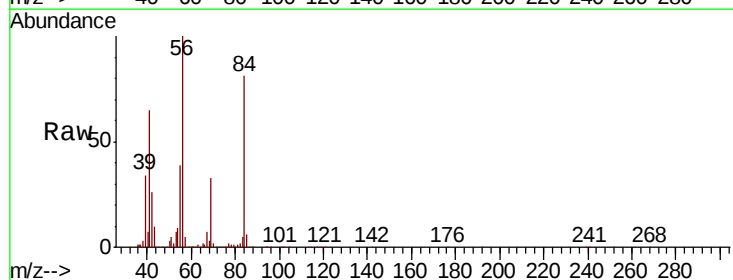
Tgt Ion: 84 Resp: 915351

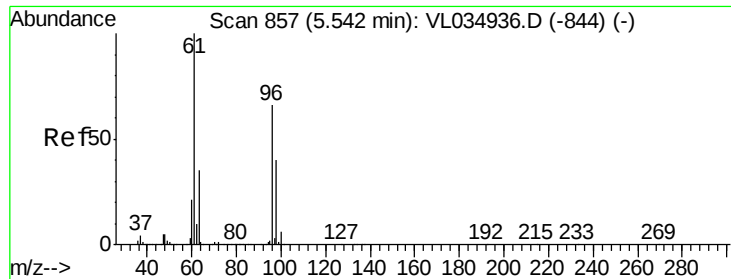
Ion Ratio Lower Upper

84 100

56 134.6 111.4 167.2

41 83.8 66.7 100.1



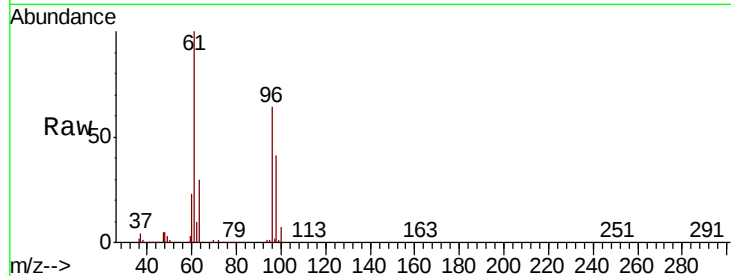


#31

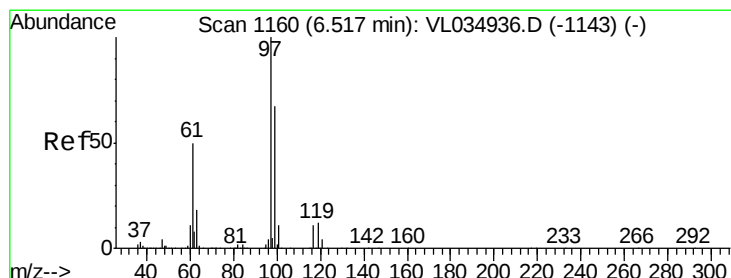
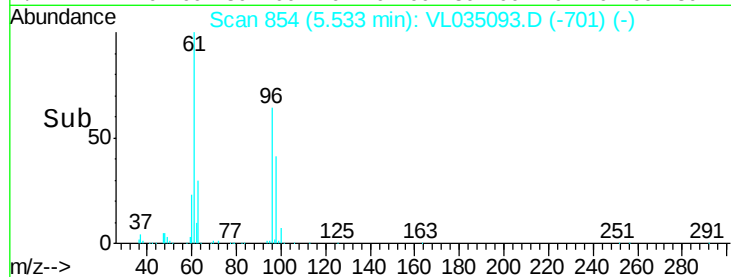
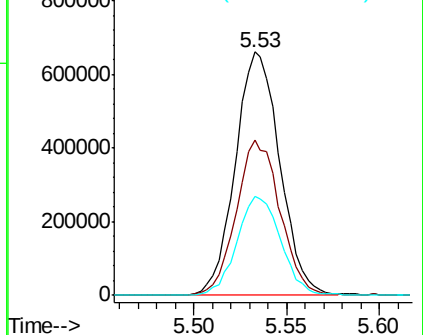
cis-1,2-Dichloroethene
 Concen: 11.486 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1100754
 Ion Ratio Lower Upper
 61 100
 96 63.8 53.0 79.6
 98 40.6 32.2 48.2



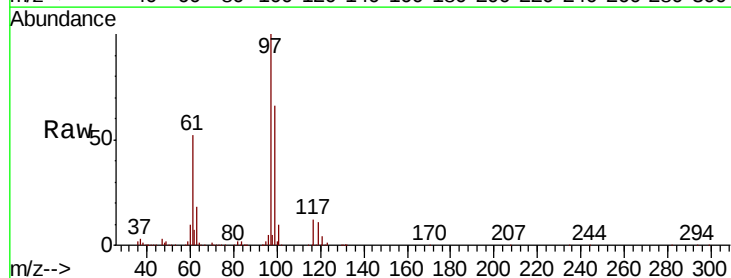
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



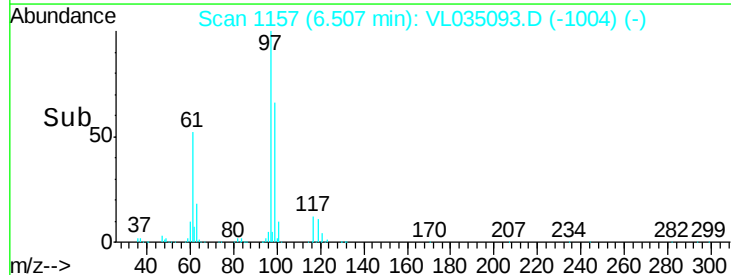
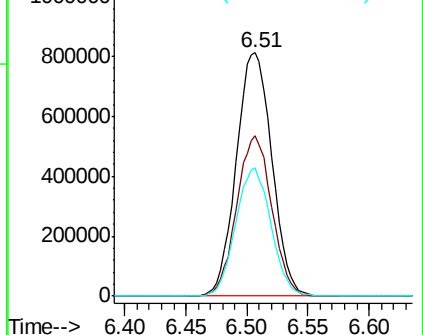
#32

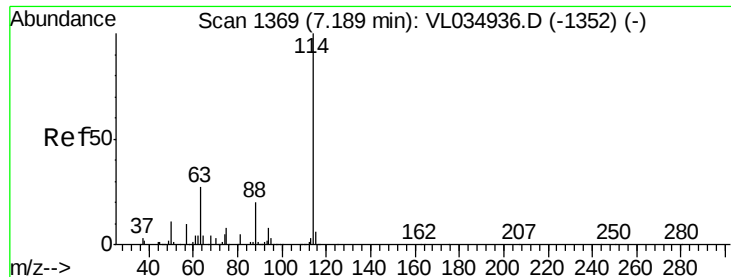
1,1,1-Trichloroethane
 Concen: 11.291 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion: 97 Resp: 1638631
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.1 78.1
 61 52.3 41.8 62.8



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

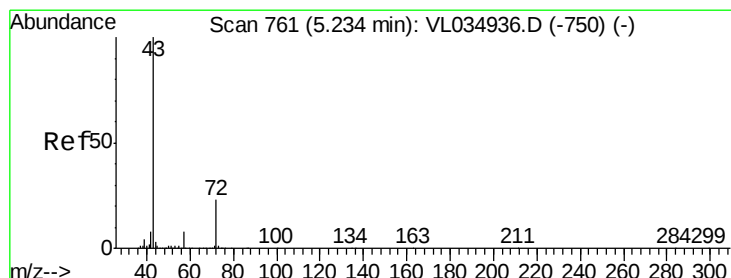
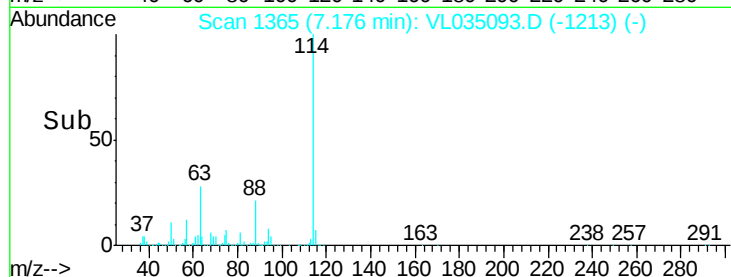
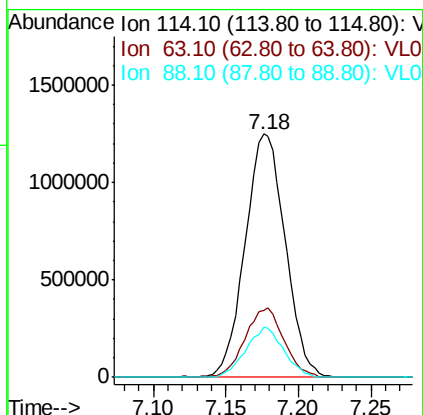
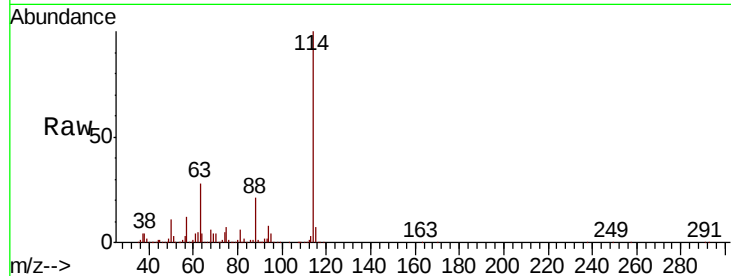




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

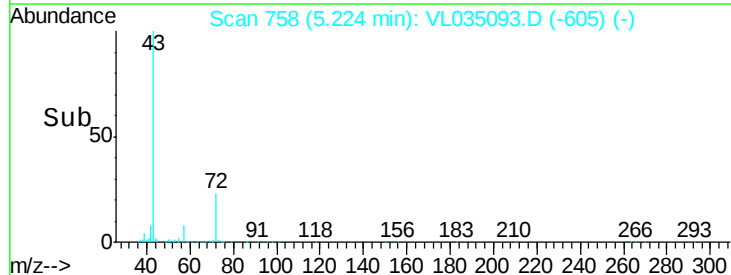
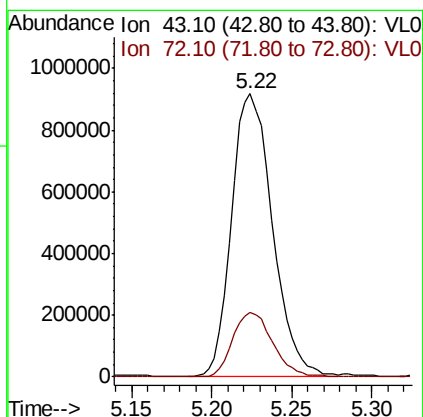
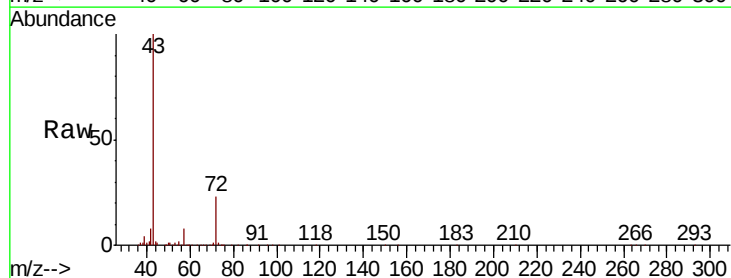
Instrument :
 MSVOA_L
 ClientSampleId :

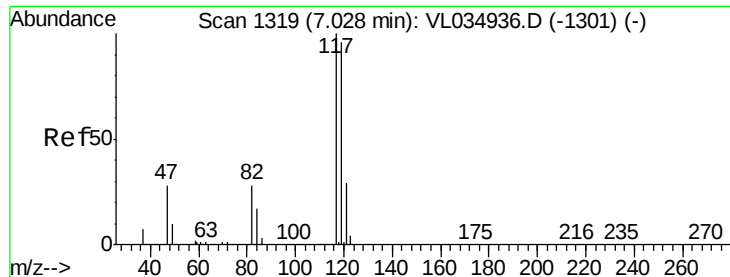
Tot Ion:114 Resp: 2403913
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.2 33.4
 88 19.6 15.5 23.3



#34
 2-Butanone
 Concen: 10.669 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion: 43 Resp: 1594066
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.0 27.0





#35

Carbon Tetrachloride

Concen: 11.264 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

ClientSampled :

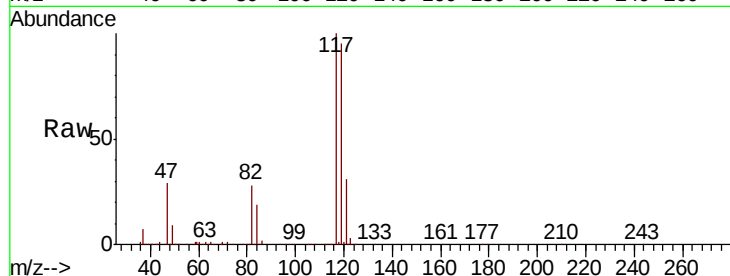
Tot Ion:117 Resp: 1709027

Ion Ratio Lower Upper

117 100

119 95.3 77.0 115.6

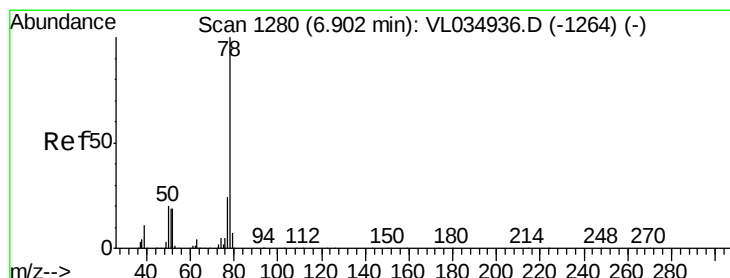
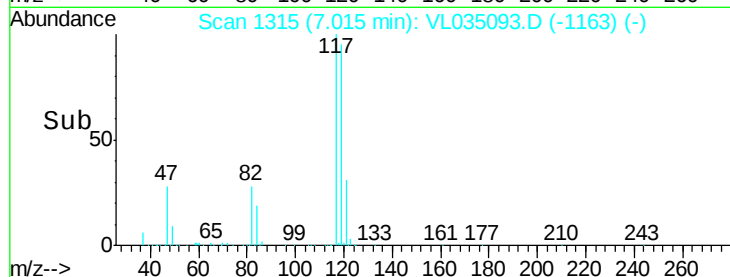
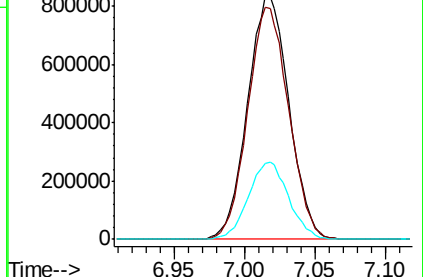
121 30.9 23.0 34.6



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: 11.026 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

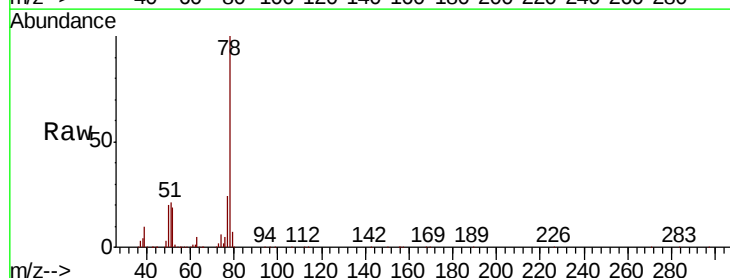
Tgt Ion: 78 Resp: 2185315

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6

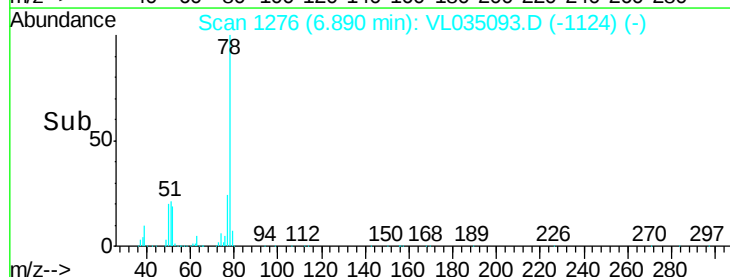
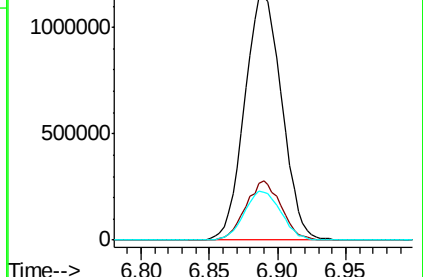
50 19.6 15.8 23.8

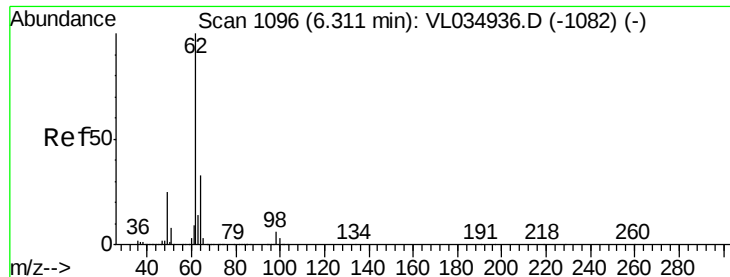


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

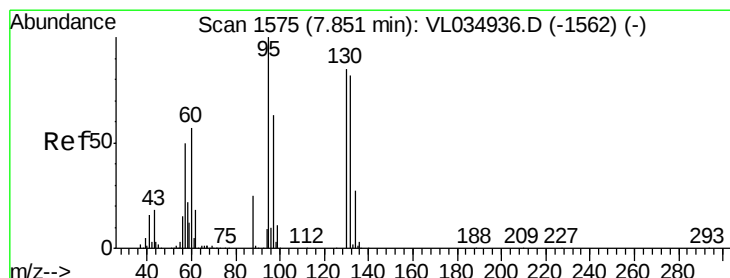
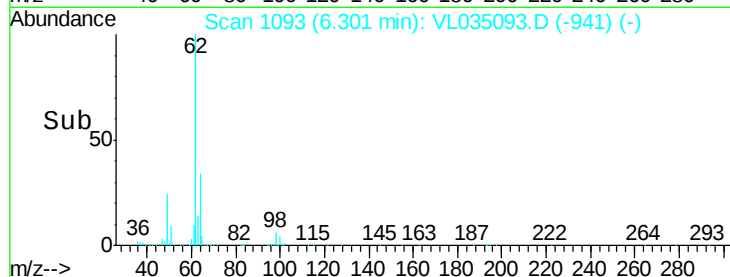
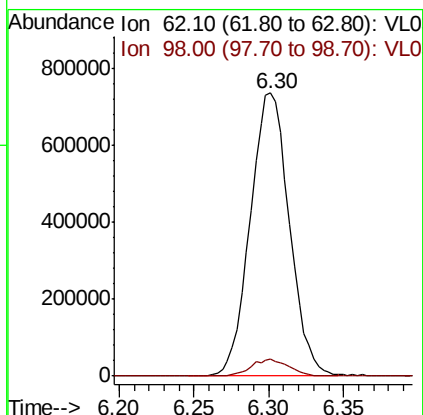
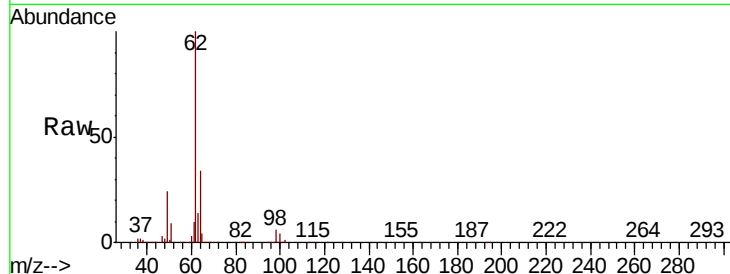




#37
 1,2-Dichloroethane
 Concen: 10.951 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

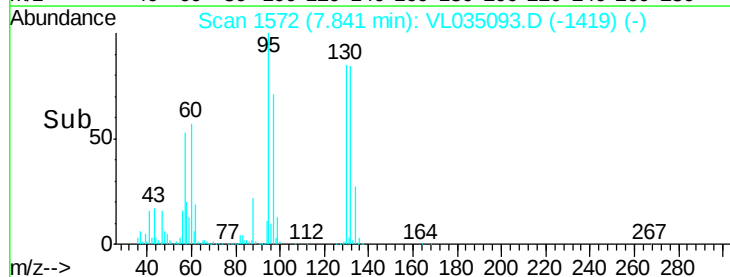
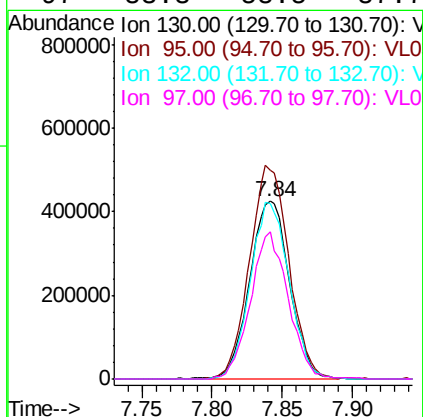
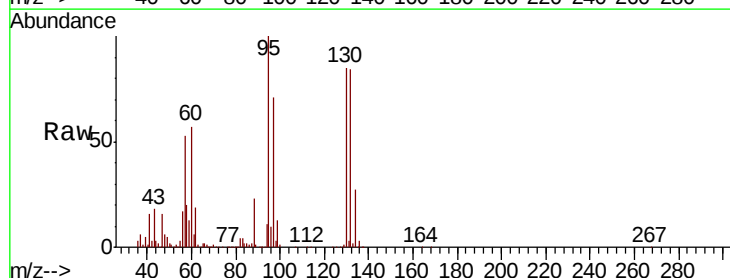
Instrument :
 MSVOA_L
 ClientSampleId :

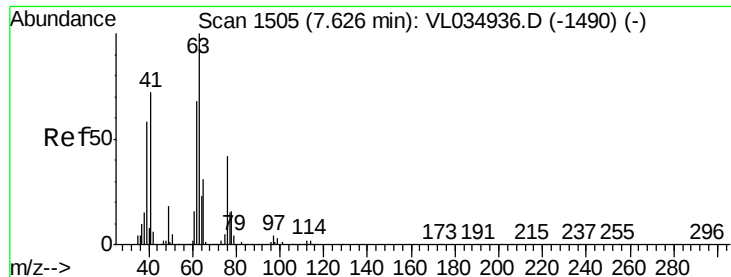
Tot Ion: 62 Resp: 1338855
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.8 7.2



#38
 Trichloroethene
 Concen: 10.996 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion:130 Resp: 844325
 Ion Ratio Lower Upper
 130 100
 95 117.3 93.4 140.0
 132 99.0 76.4 114.6
 97 83.3 58.5 87.7

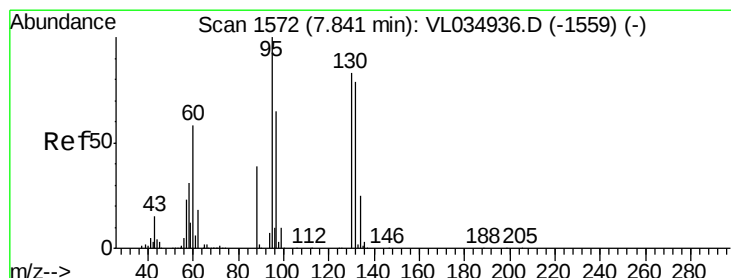
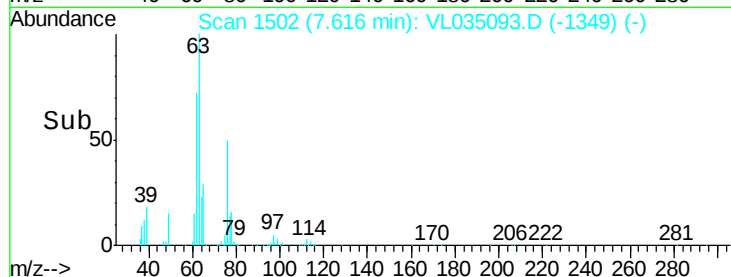
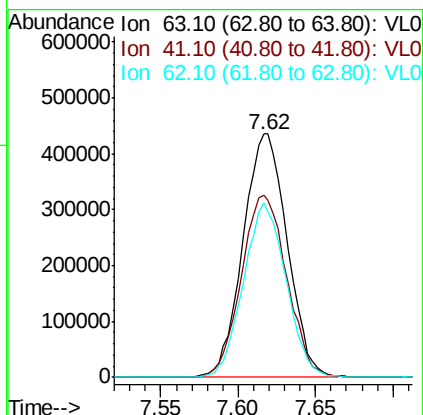
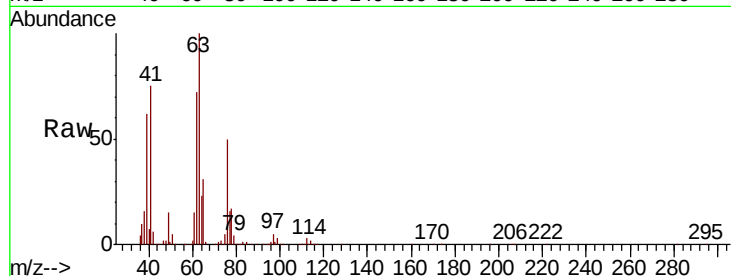




#39
 1,2-Dichloropropane
 Concen: 10.847 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

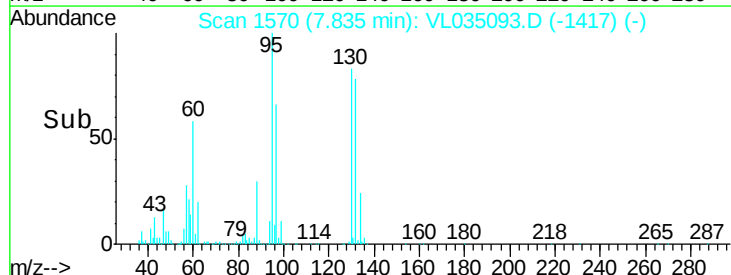
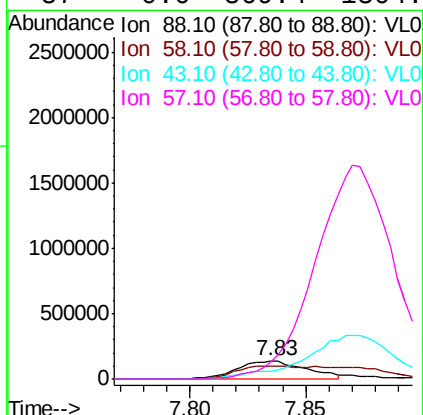
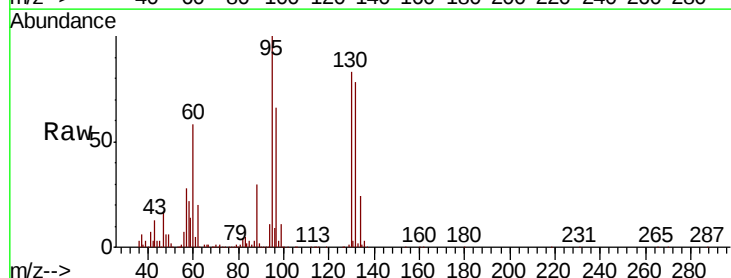
Instrument :
 MSVOA_L
 ClientSampleID :

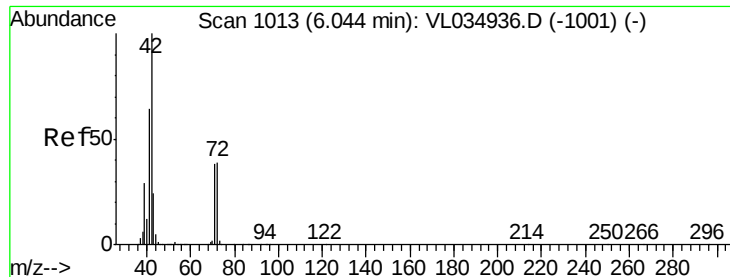
Tot Ion	Ratio	Lower	Upper
63	100		
41	75.0	57.8	86.8
62	71.7	54.2	81.2



#40
 1,4-Dioxane
 Concen: 8.583 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	148.1	105.1	157.7
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#

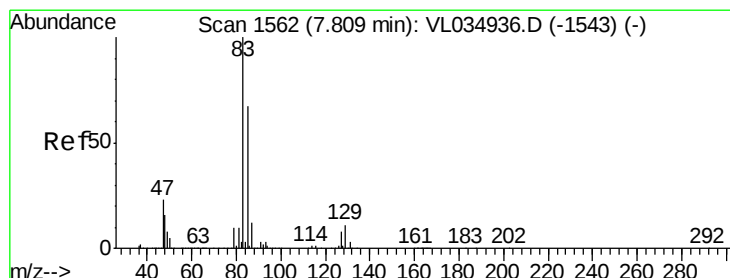
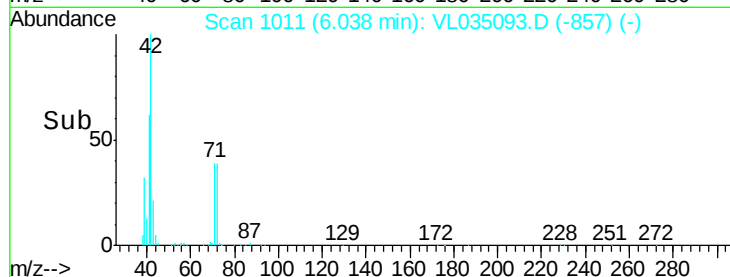
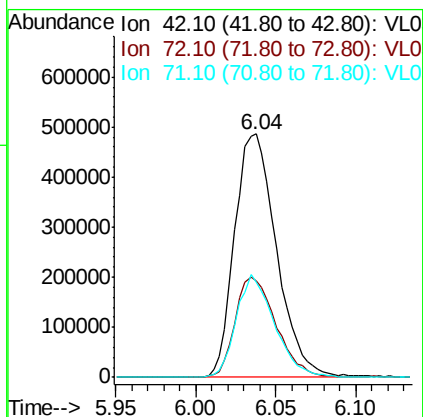
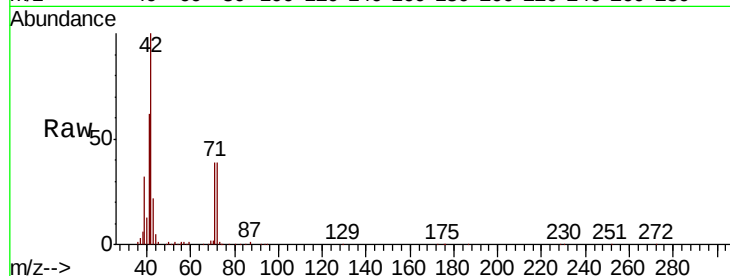




#41
Tetrahydrofuran
Concen: 11.027 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

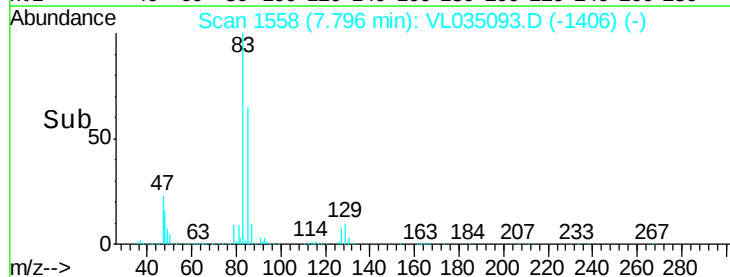
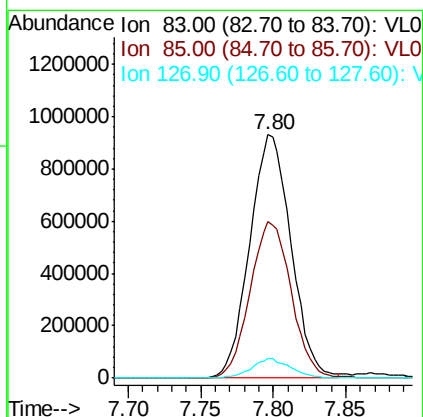
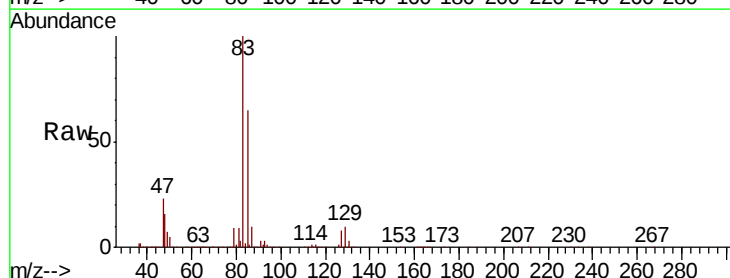
Instrument :
MSVOA_L
ClientSampleId :

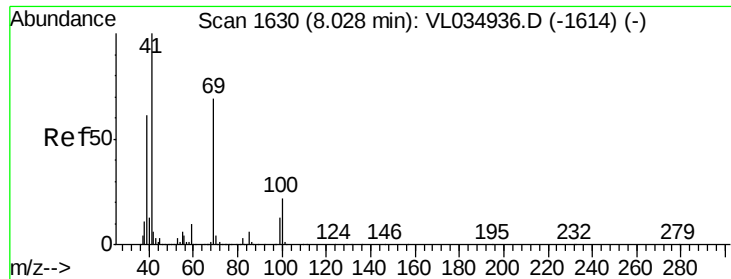
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.4	47.0
71	38.8	29.8	44.8



#42
Bromodichloromethane
Concen: 11.189 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.4	80.0
127	8.3	6.1	9.1

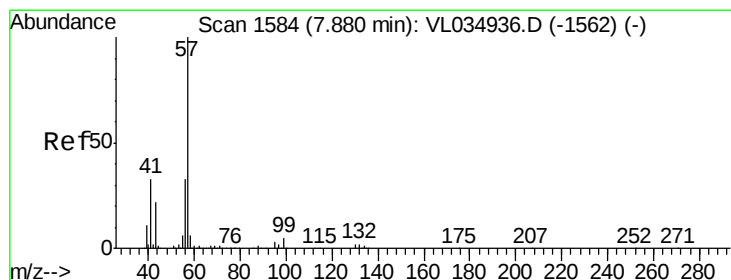
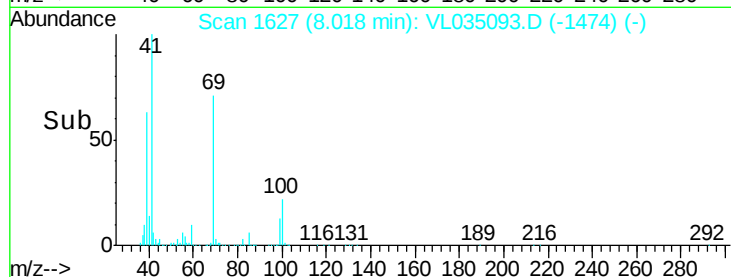
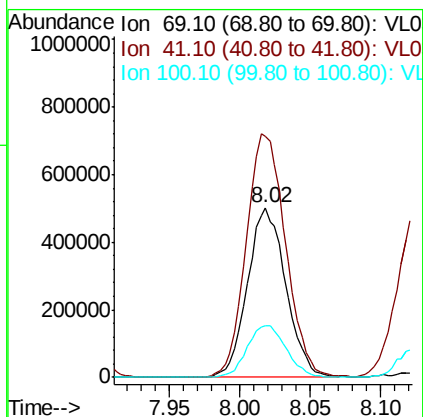
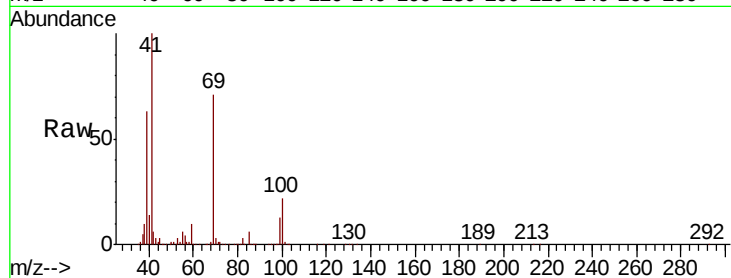




#43
Methvl Methacrilate
Concen: 11.385 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

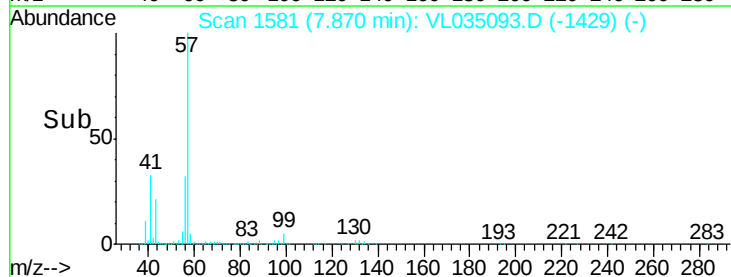
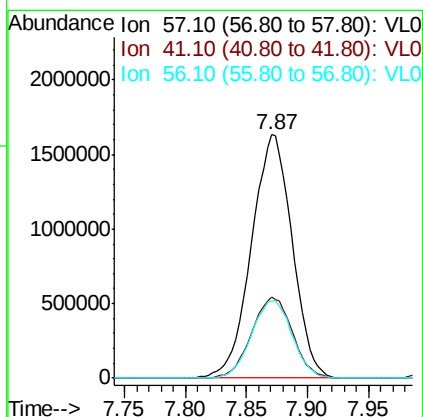
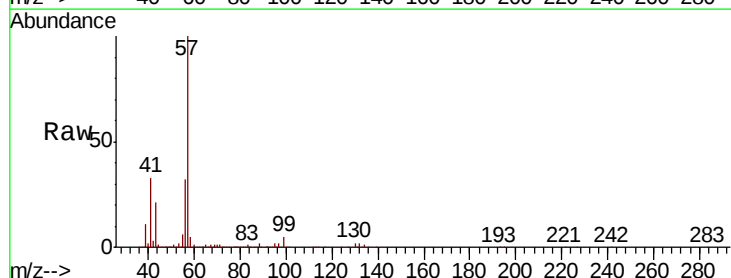
Instrument :
MSVOA_L
ClientSampleId :

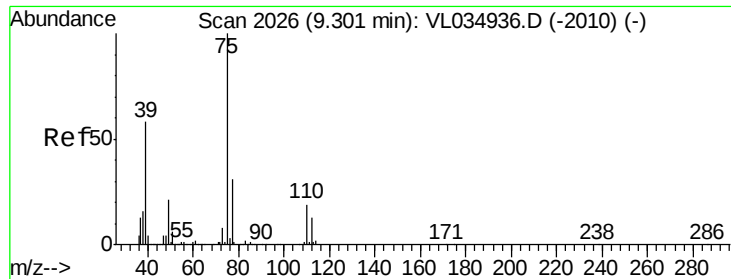
Tot Ion: 69 Resp: 952788
Ion Ratio Lower Upper
69 100
41 148.0 119.8 179.6
100 31.4 25.0 37.6



#44
2,2,4-Trimethylpentane
Concen: 10.734 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion: 57 Resp: 3782392
Ion Ratio Lower Upper
57 100
41 33.3 26.4 39.6
56 31.8 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 12.081 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

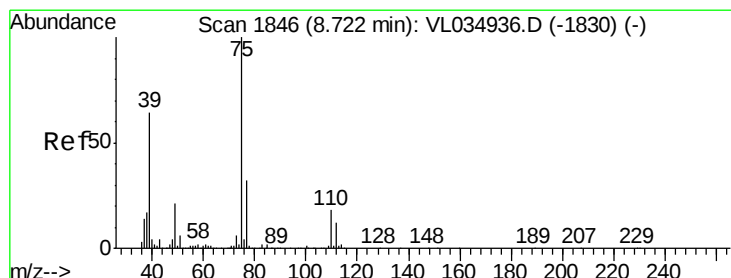
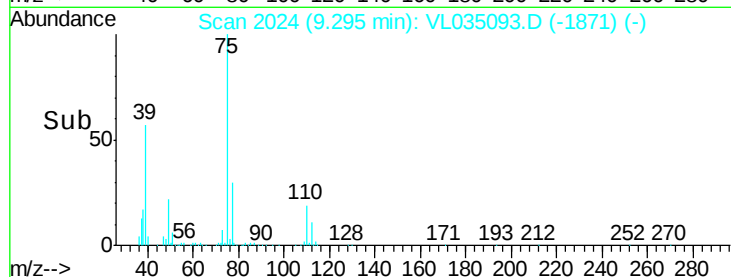
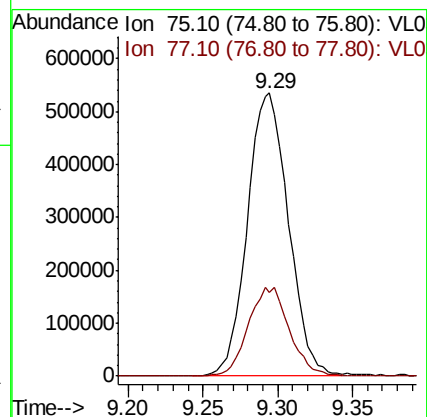
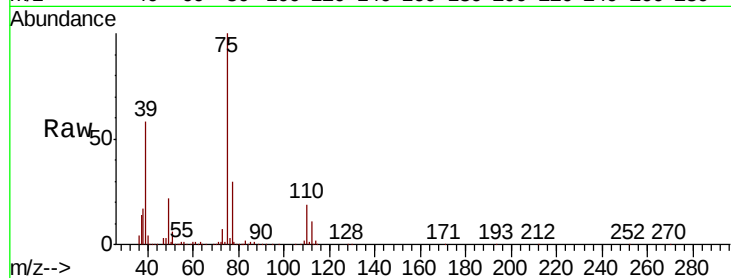
ClientSampleId :

Tot Ion: 75 Resp: 1020300

Ion Ratio Lower Upper

75 100

77 29.5 24.9 37.3



#46

cis-1,3-Dichloropropene

Concen: 11.991 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

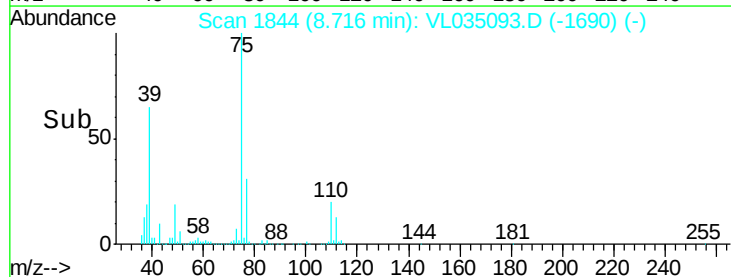
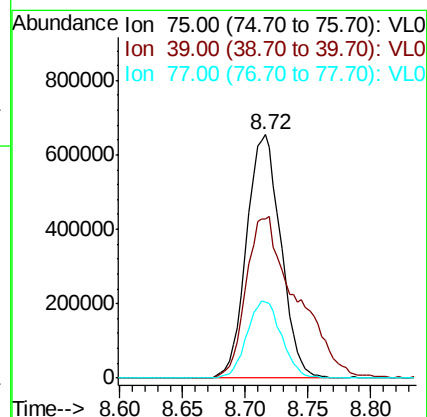
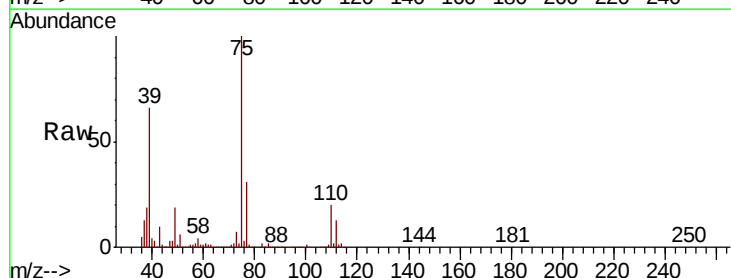
Tgt Ion: 75 Resp: 1243345

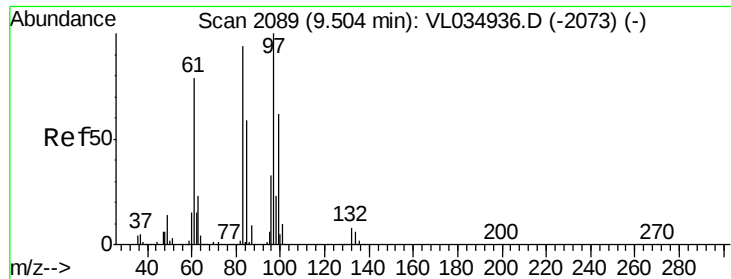
Ion Ratio Lower Upper

75 100

39 65.6 51.5 77.3

77 31.4 25.5 38.3

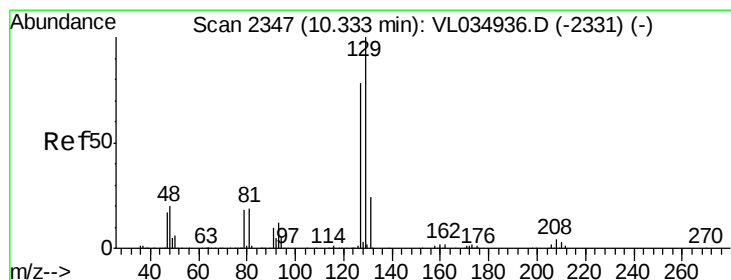
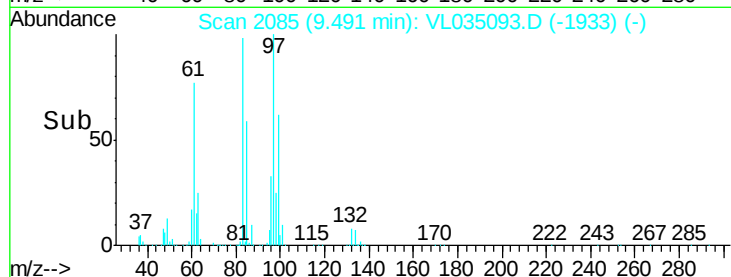
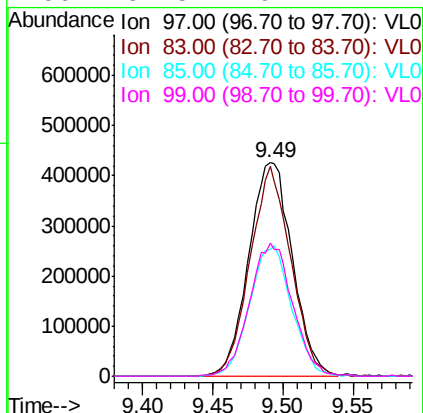
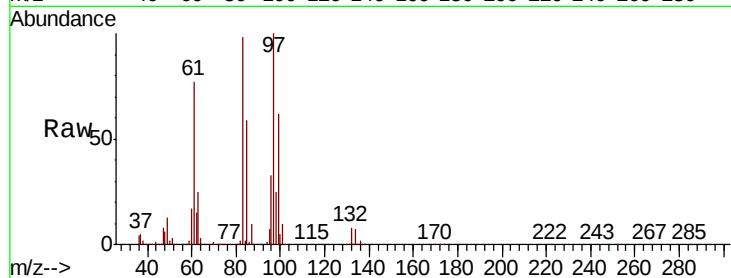




#47
 1,1,2-Trichloroethane
 Concen: 10.998 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

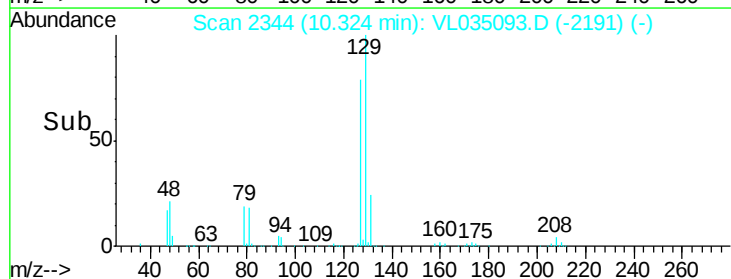
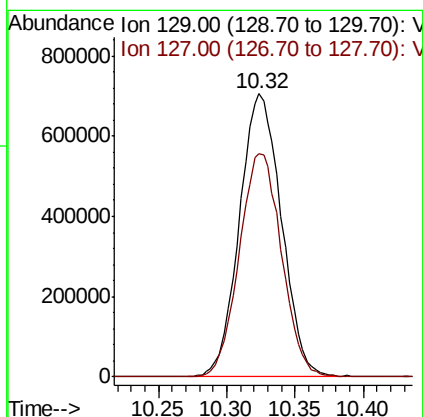
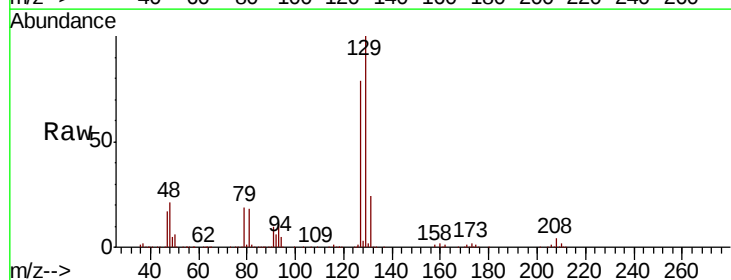
Instrument :
 MSVOA_L
 ClientSampleId :

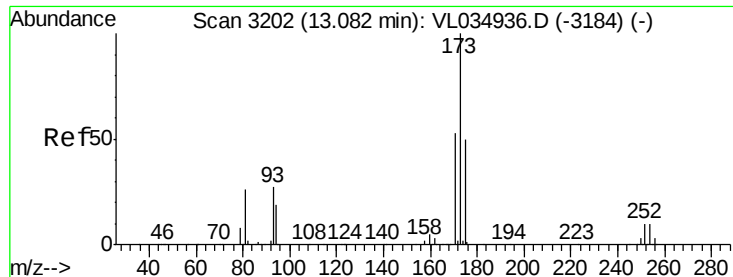
Tot Ion: 97 Resp: 922087
 Ion Ratio Lower Upper
 97 100
 83 98.2 75.6 113.4
 85 59.2 47.0 70.6
 99 62.5 49.4 74.2



#48
 Dibromochloromethane
 Concen: 11.656 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion: 129 Resp: 1502859
 Ion Ratio Lower Upper
 129 100
 127 79.9 39.1 117.2





#49

Bromoform

Concen: 12.021 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

ClientSampleId :

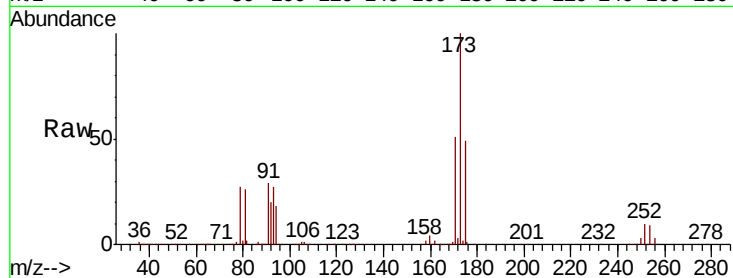
Tot Ion:173 Resp: 1333543

Ion Ratio Lower Upper

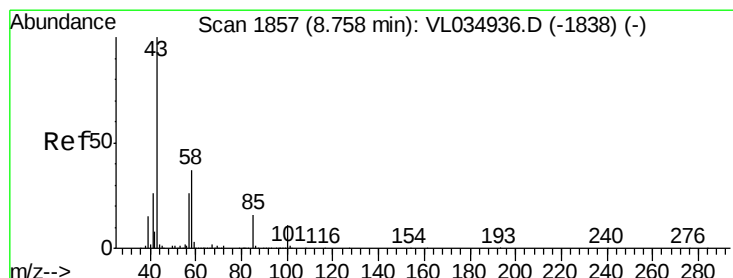
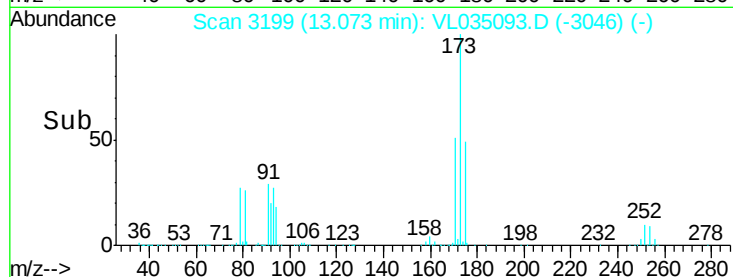
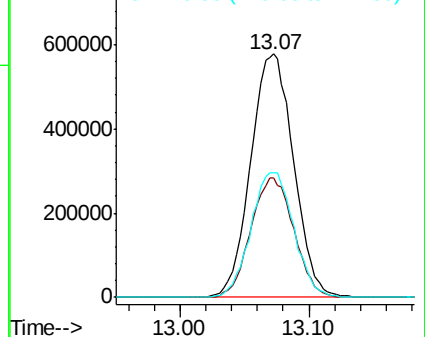
173 100

175 49.3 39.0 58.6

171 51.6 41.4 62.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.247 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL035093.D

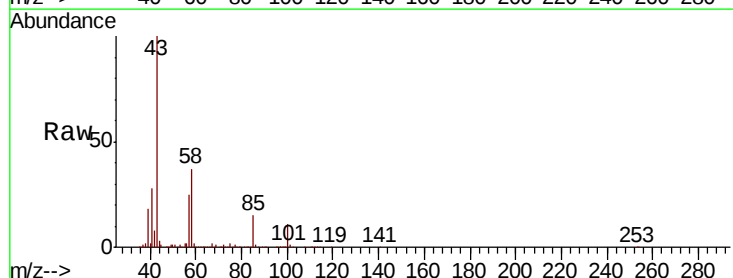
Acq: 22 May 2020 20:38

Tgt Ion: 43 Resp: 2396087

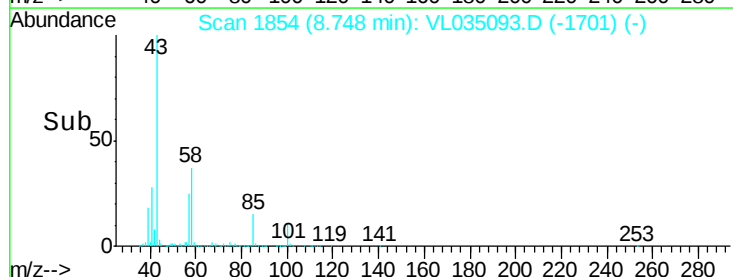
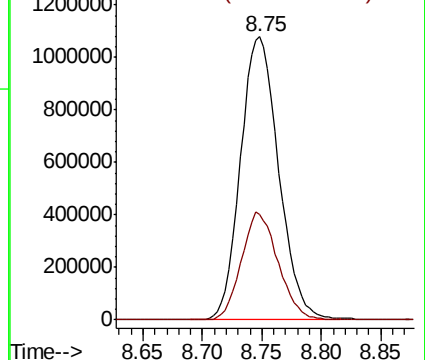
Ion Ratio Lower Upper

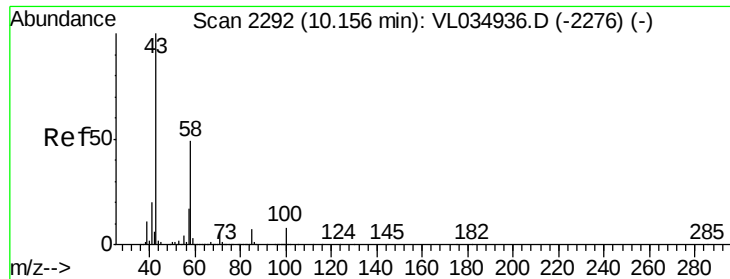
43 100

58 36.6 29.1 43.7



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

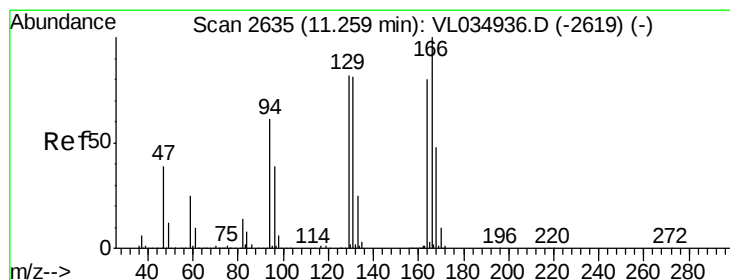
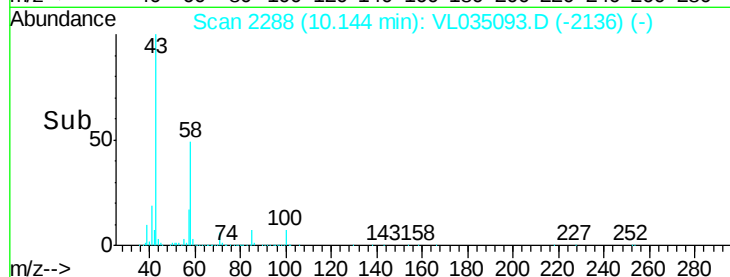
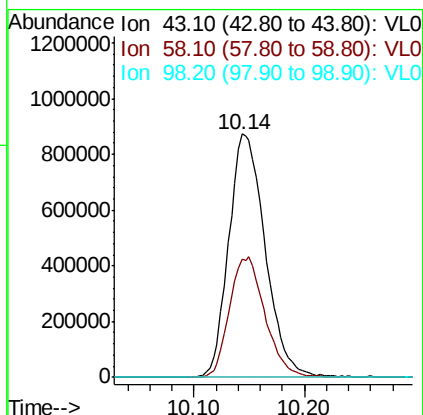
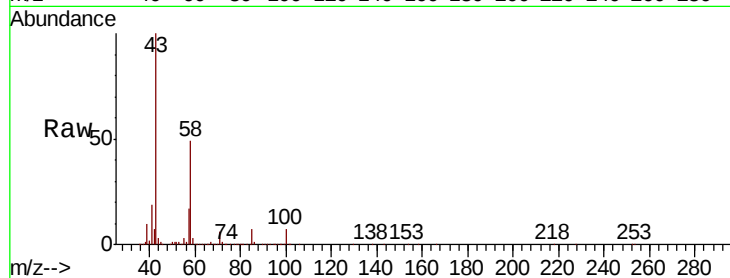




#51
2-Hexanone
Concen: 11.965 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

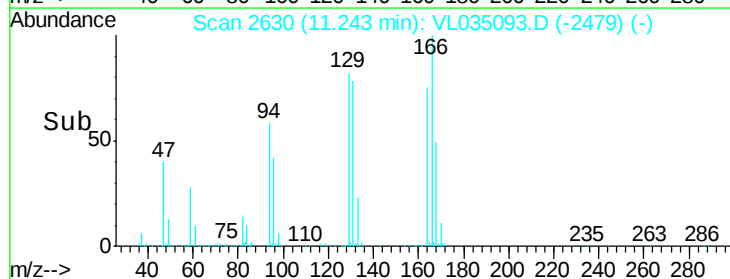
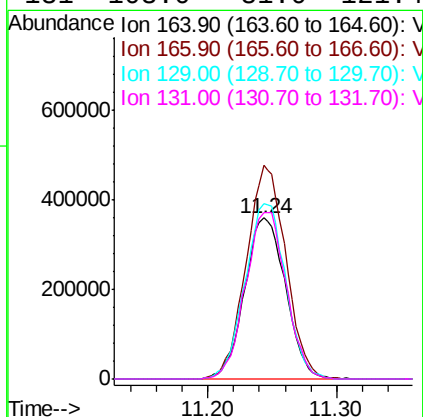
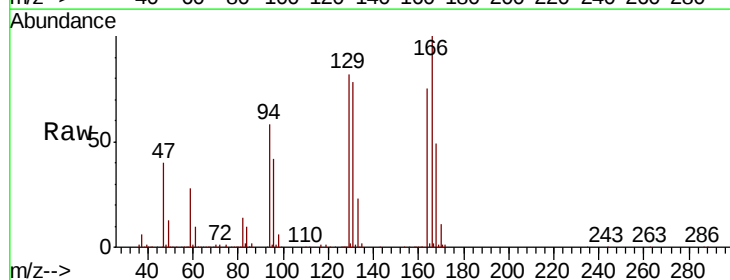
Instrument :
MSVOA_L
ClientSampled :

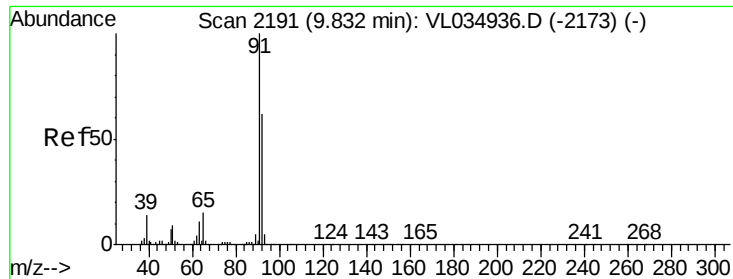
Tot Ion: 43 Resp: 1993917
Ion Ratio Lower Upper
43 100
58 48.8 39.1 58.7
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 11.259 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.02 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion: 164 Resp: 793473
Ion Ratio Lower Upper
164 100
166 132.5 100.7 151.1
129 108.6 83.0 124.4
131 103.0 81.0 121.4





#53

Toluene

Concen: 11.986 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

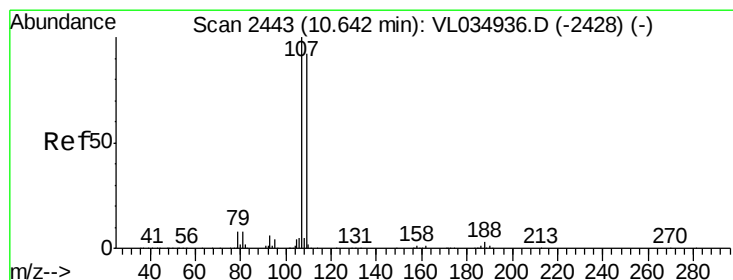
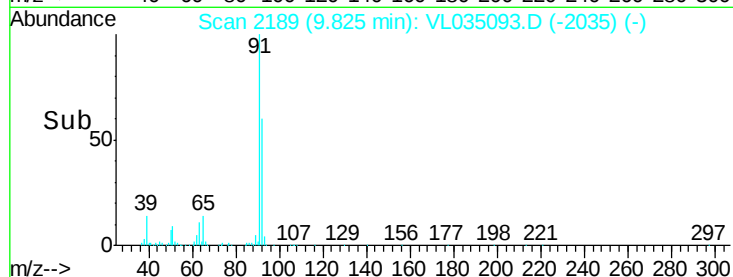
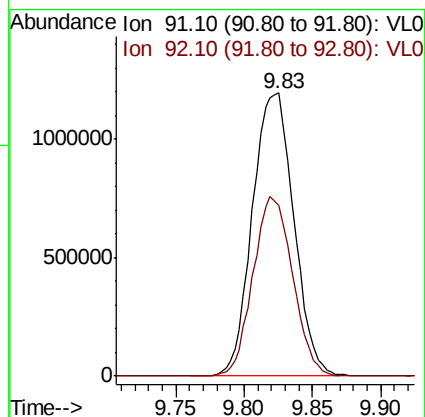
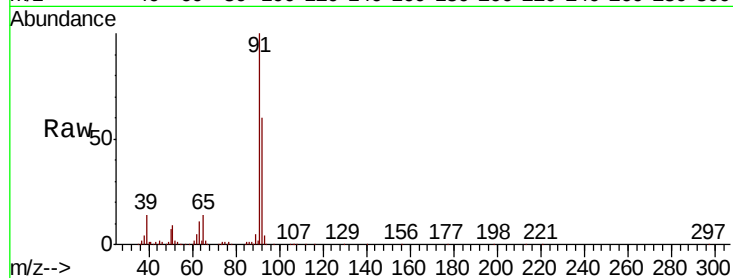
ClientSampleId :

Tot Ion: 91 Resp: 2518186

Ion Ratio Lower Upper

91 100

92 61.0 48.6 73.0



#54

1,2-Dibromoethane

Concen: 11.194 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL035093.D

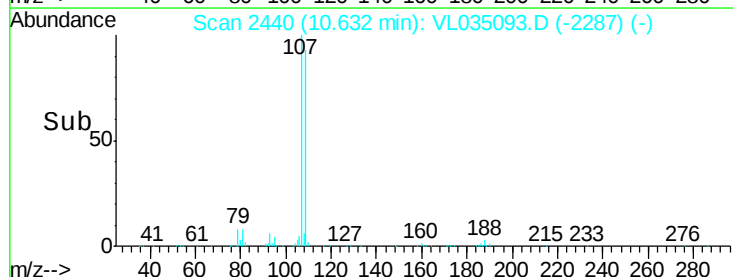
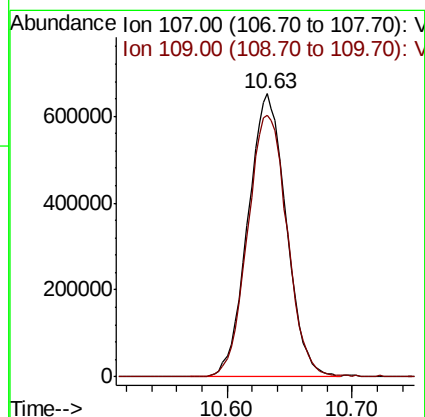
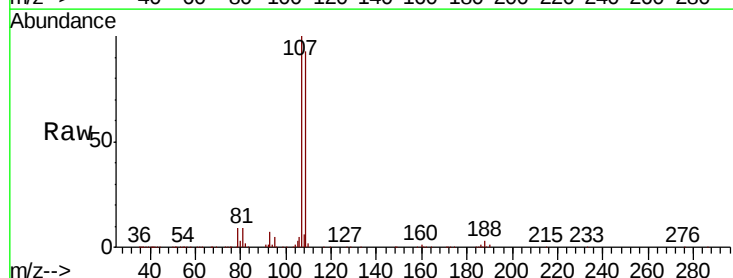
Acq: 22 May 2020 20:38

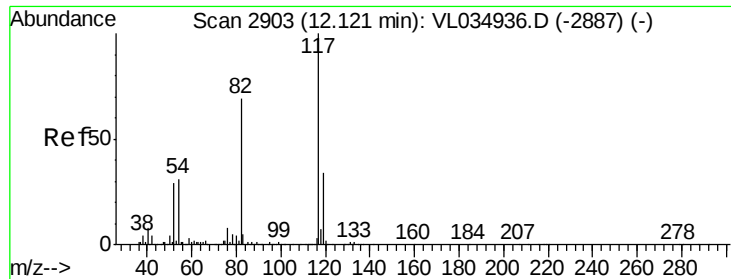
Tgt Ion: 107 Resp: 1378224

Ion Ratio Lower Upper

107 100

109 92.5 73.2 109.8

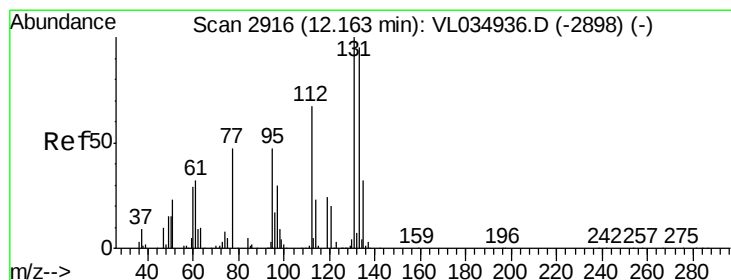
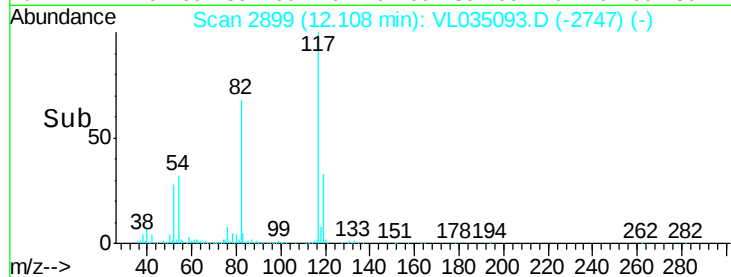
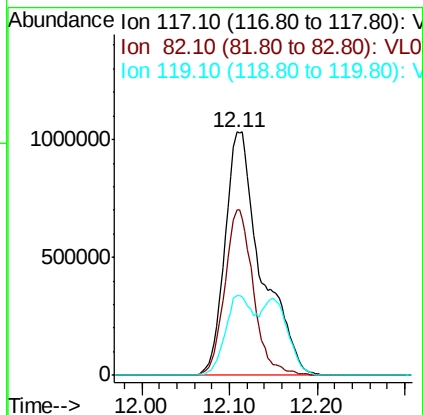
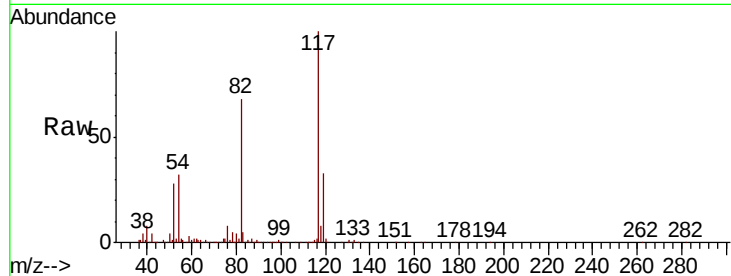




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

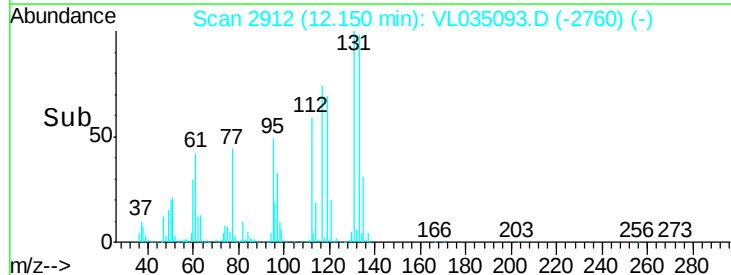
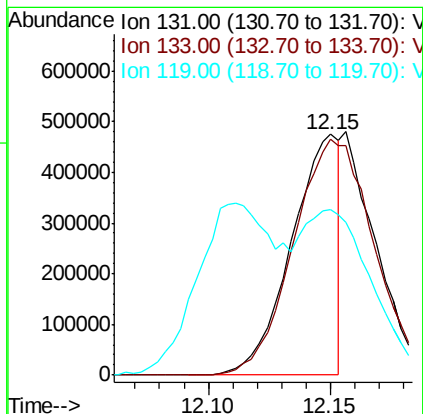
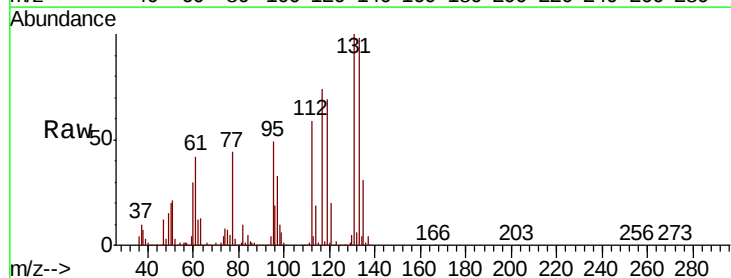
Instrument :
MSVOA_L
ClientSampled :

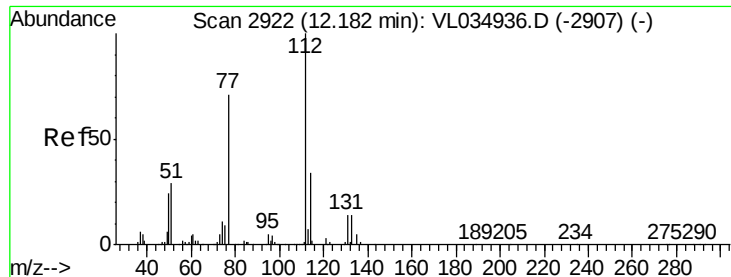
Tot Ion:117 Resp: 2981762
Ion Ratio Lower Upper
117 100
82 53.5 53.1 79.7
119 24.9 26.7 40.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 4.800 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion:131 Resp: 645396
Ion Ratio Lower Upper
131 100
133 165.1 77.7 116.5#
119 101.7 49.8 74.6#

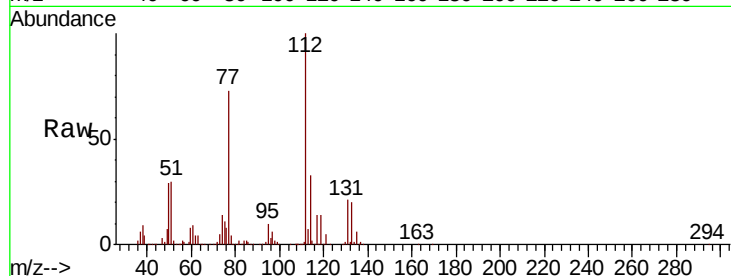




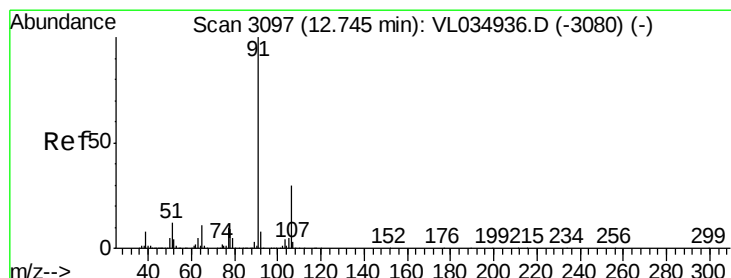
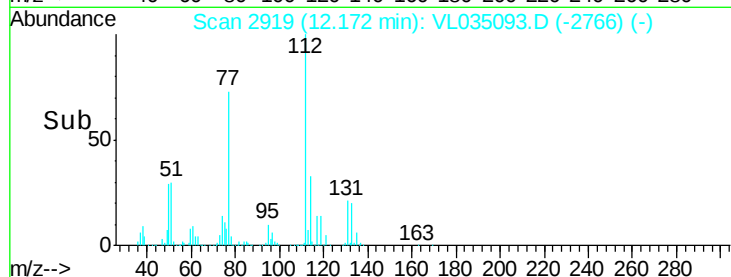
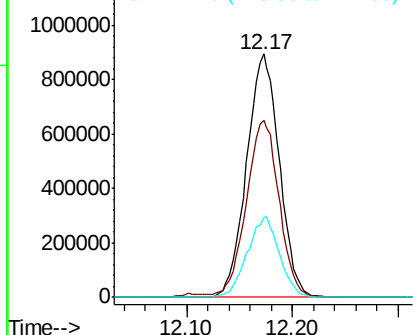
#57
Chlorobenzene
Concen: 8.190 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:112 Resp: 1934572
Ion Ratio Lower Upper
112 100
77 72.7 57.0 85.6
114 32.9 30.8 37.6

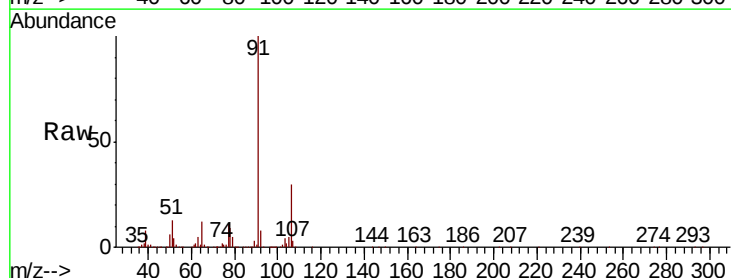


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

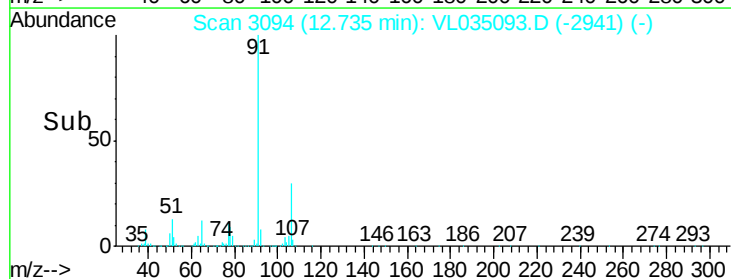
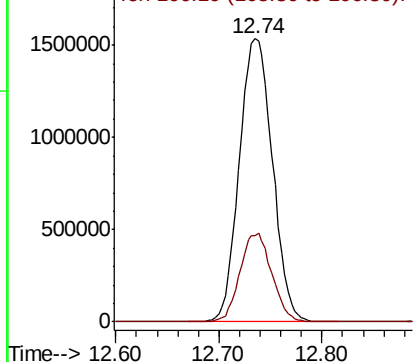


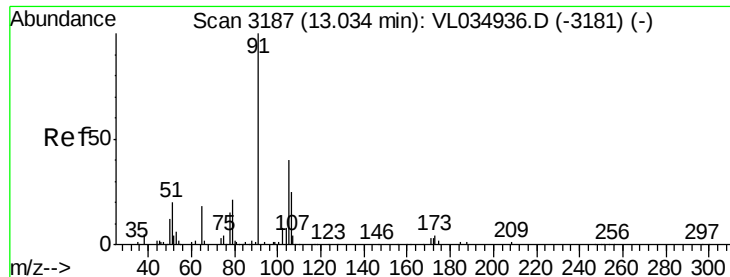
#58
Ethyl Benzene
Concen: 9.313 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL035093.D
Acq: 22 May 2020 20:38

Tgt Ion: 91 Resp: 3433802
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.304 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

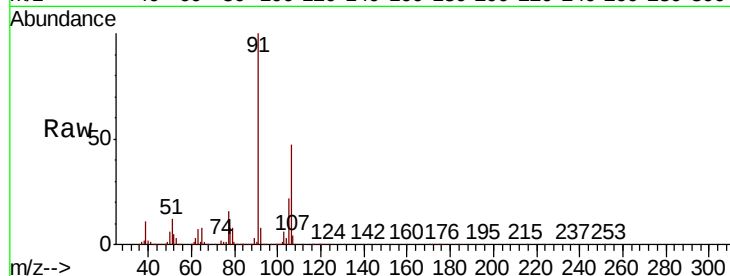
ClientSampled :

Tot Ion: 91 Resp: 2045073

Ion Ratio Lower Upper

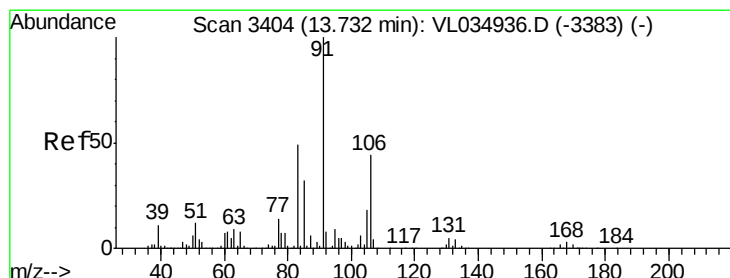
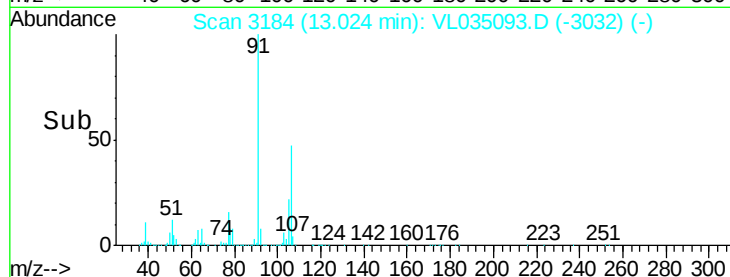
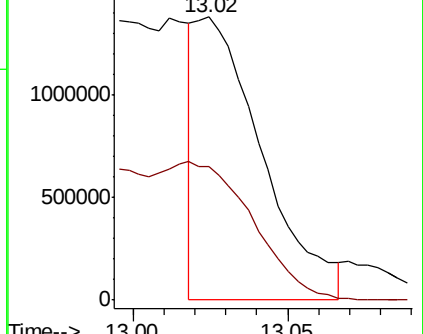
91 100

106 126.1 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.864 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.01 min

Lab File: VL035093.D

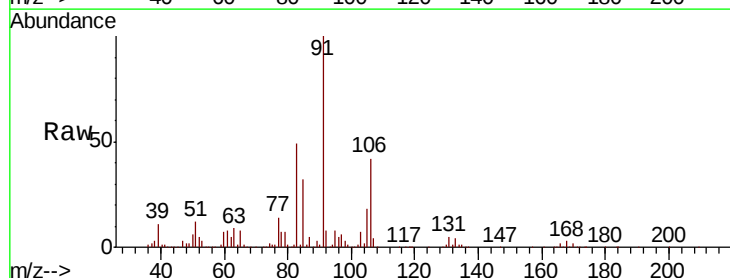
Acq: 22 May 2020 20:38

Tgt Ion: 91 Resp: 2837673

Ion Ratio Lower Upper

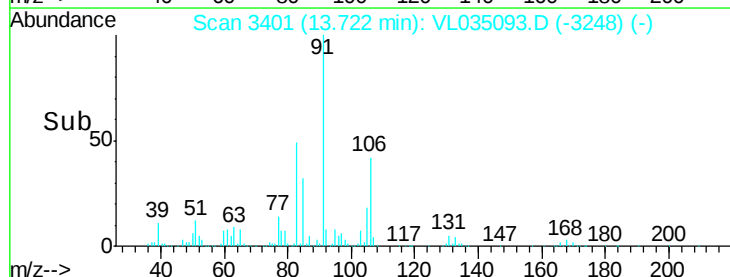
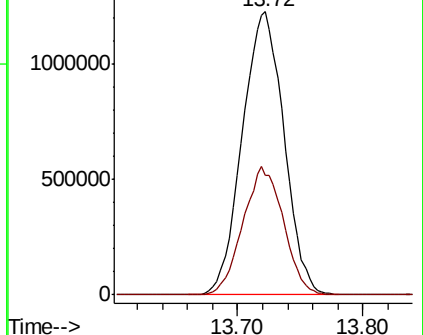
91 100

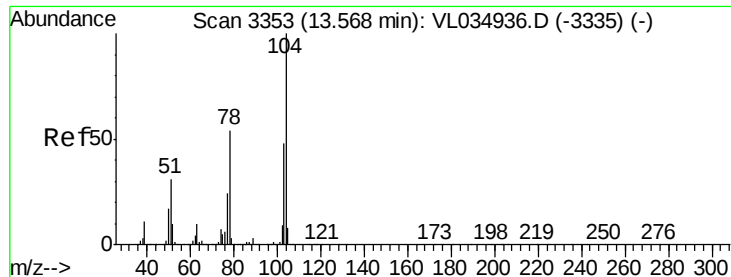
106 43.8 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 9.712 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

ClientSampleId :

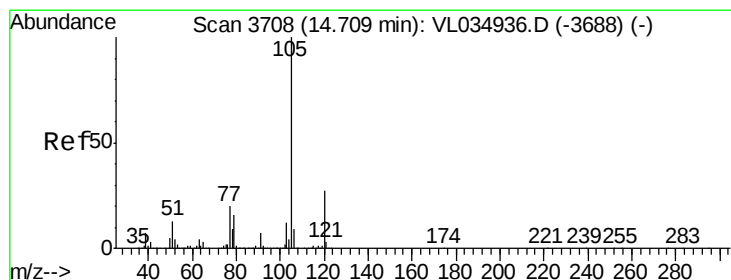
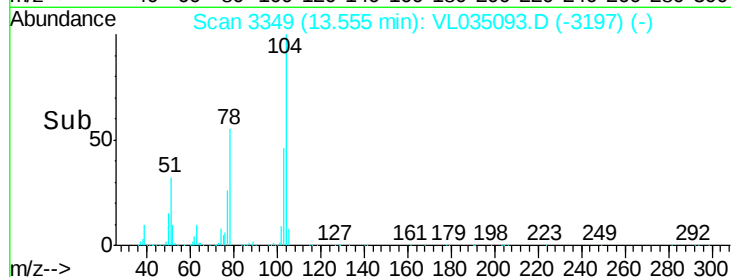
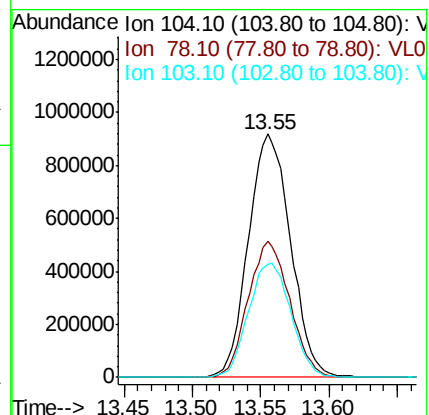
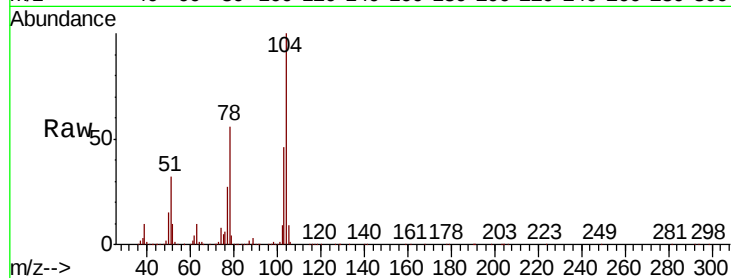
Tot Ion:104 Resp: 1967435

Ion Ratio Lower Upper

104 100

78 55.4 43.7 65.5

103 47.4 38.8 58.2



#62

Isopropylbenzene

Concen: 8.389 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.01 min

Lab File: VL035093.D

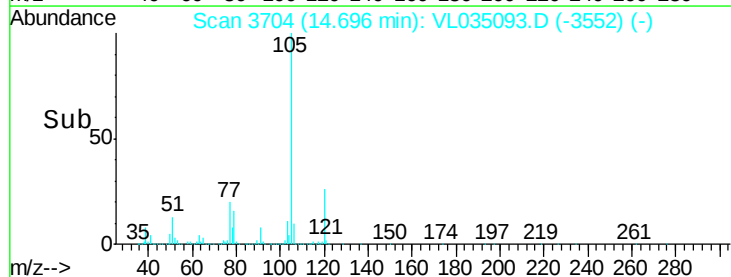
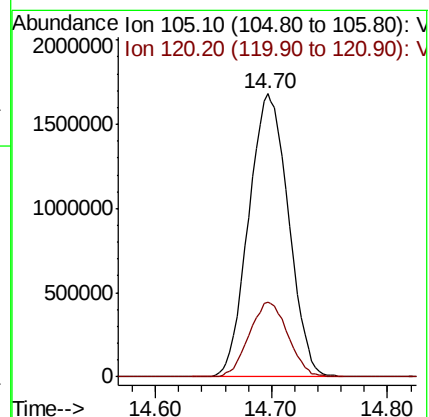
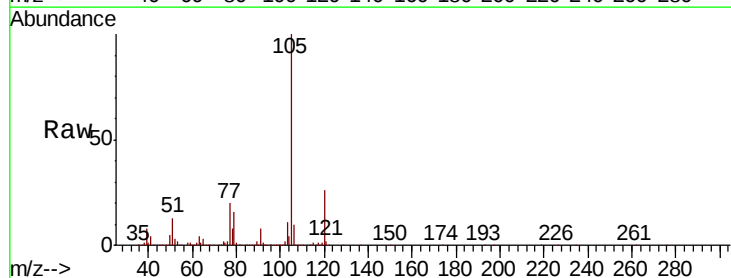
Acq: 22 May 2020 20:38

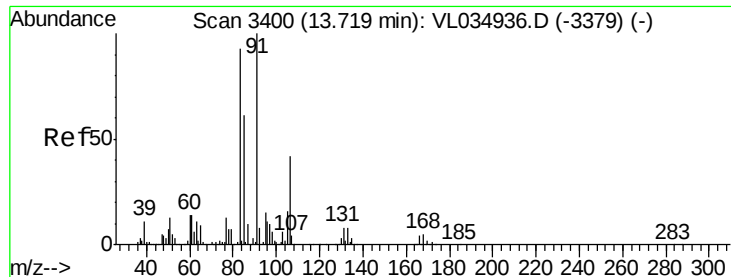
Tgt Ion:105 Resp: 4009314

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.292 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

ClientSampleId :

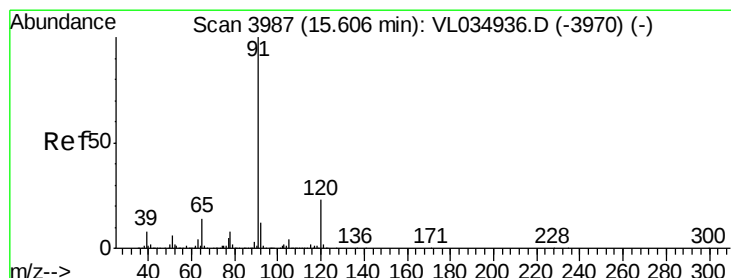
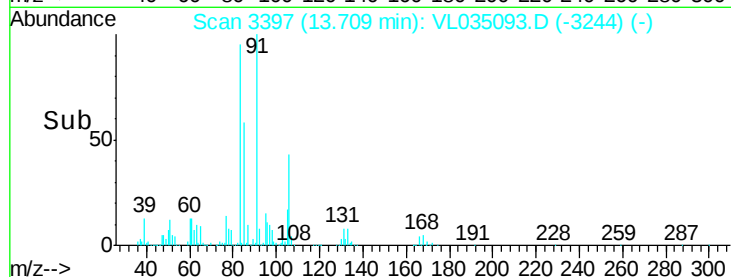
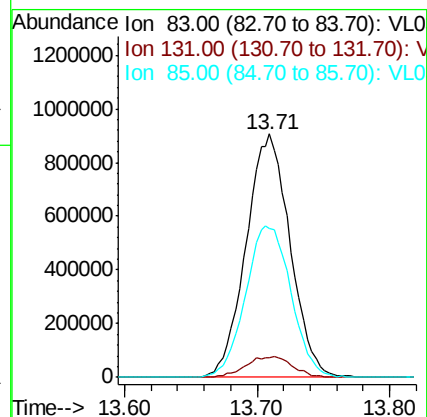
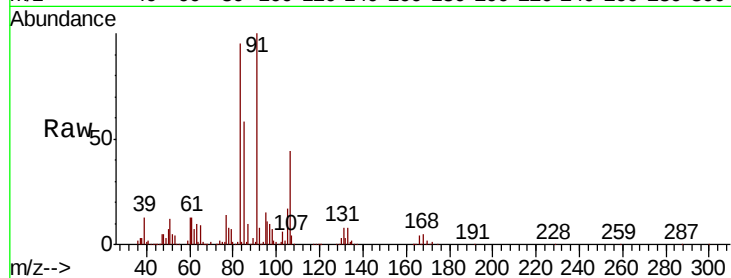
Tot Ion: 83 Resp: 2089439

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.0

85 64.7 32.5 97.4



#64

n-propylbenzene

Concen: 8.394 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. -0.01 min

Lab File: VL035093.D

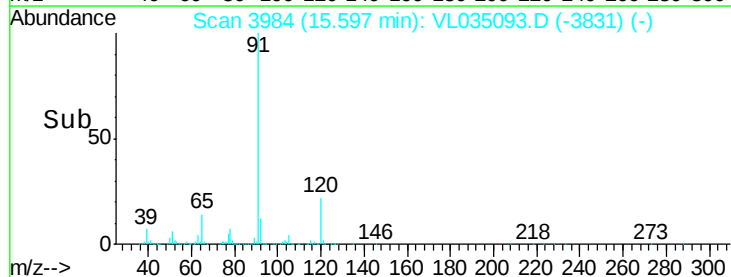
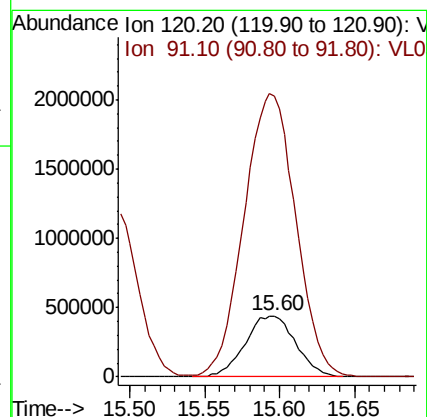
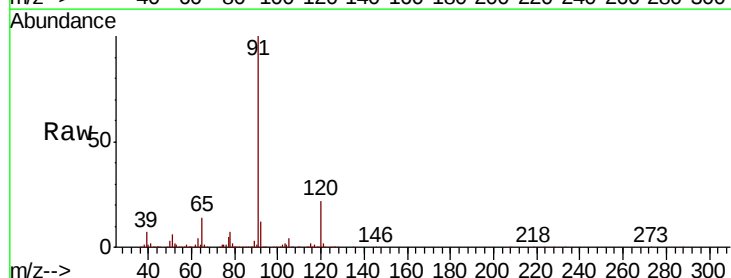
Acq: 22 May 2020 20:38

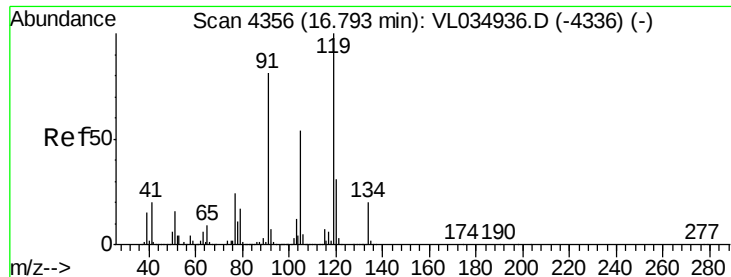
Tgt Ion:120 Resp: 1029007

Ion Ratio Lower Upper

120 100

91 480.0 373.5 560.3





#65

tert-Butylbenzene

Concen: 8.430 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

ClientSampleId :

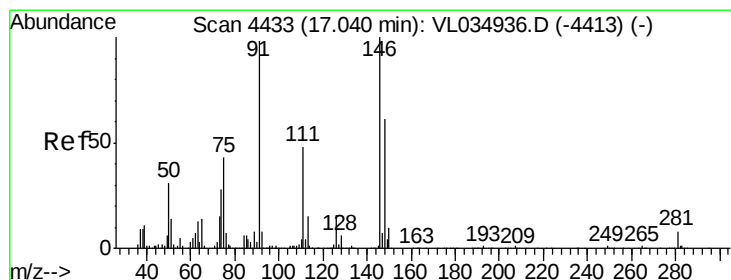
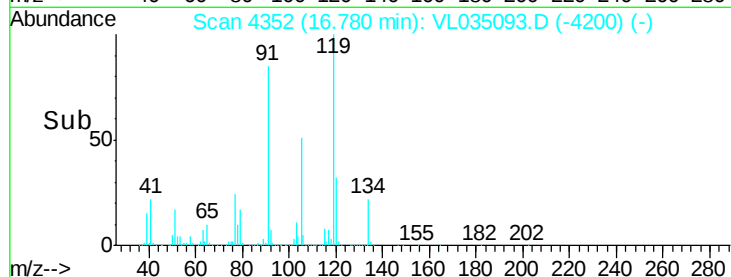
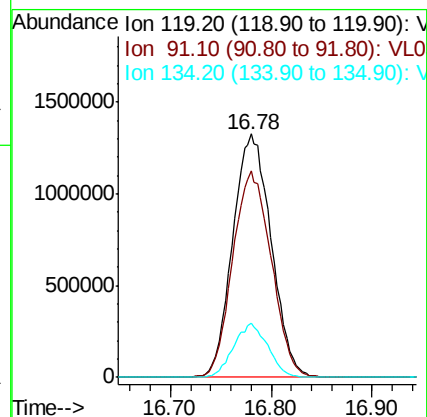
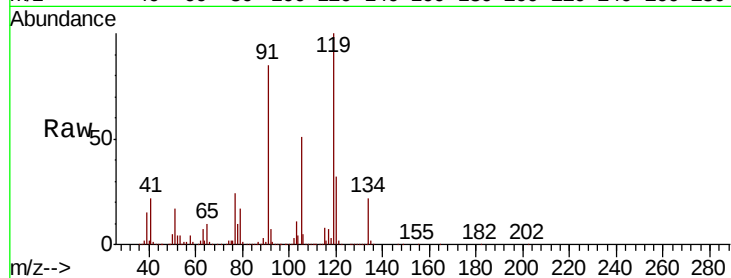
Tot Ion:119 Resp: 3494296

Ion Ratio Lower Upper

119 100

91 85.6 67.5 101.3

134 19.9 16.1 24.1



#66

Benzyl Chloride

Concen: 8.327 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

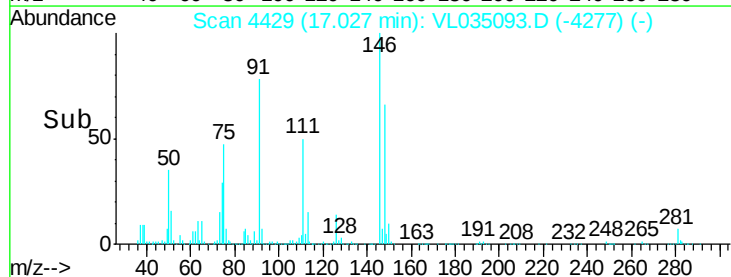
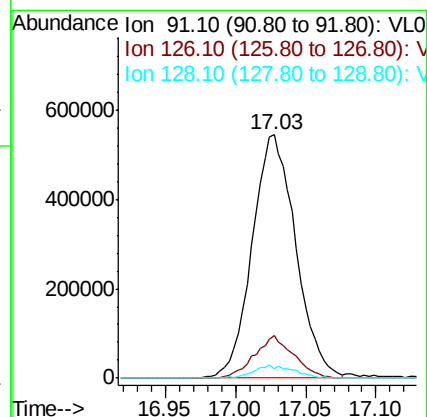
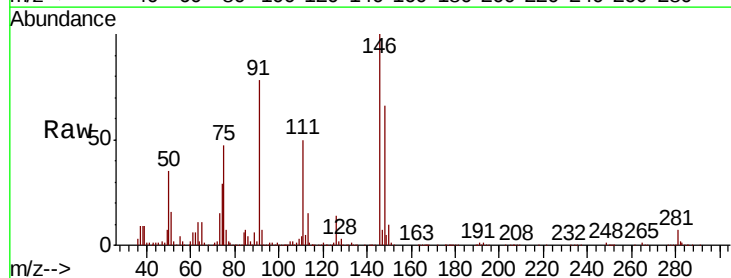
Tgt Ion: 91 Resp: 1171857

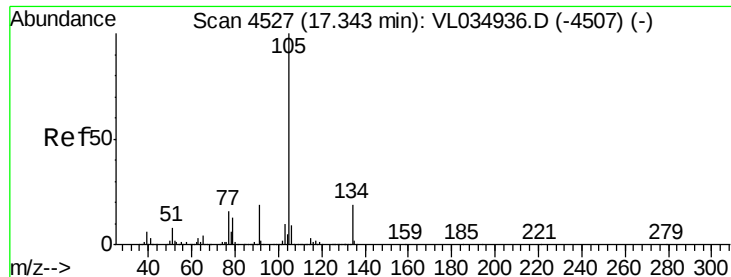
Ion Ratio Lower Upper

91 100

126 15.8 13.8 20.6

128 5.0 4.3 6.5

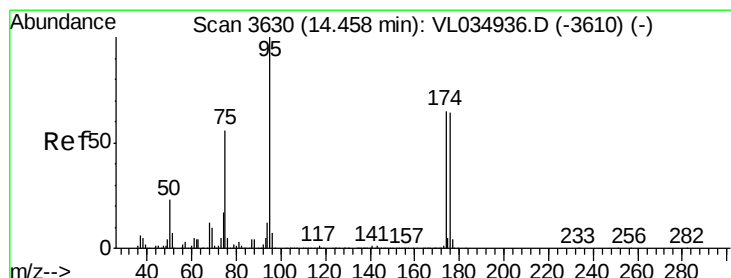
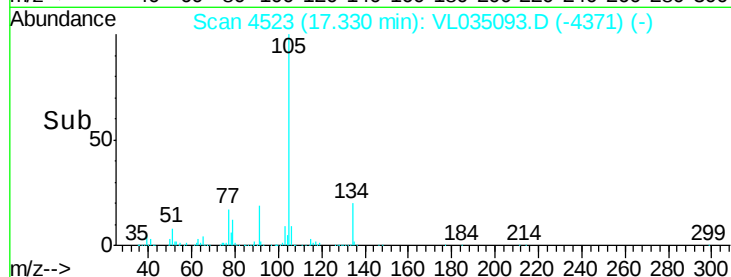
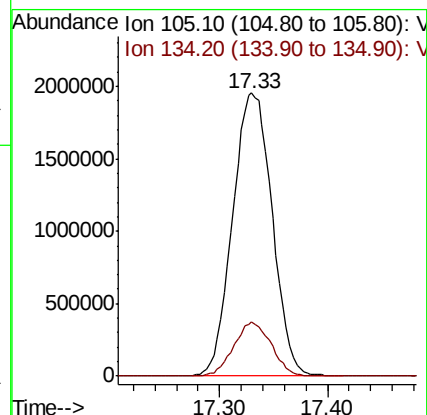
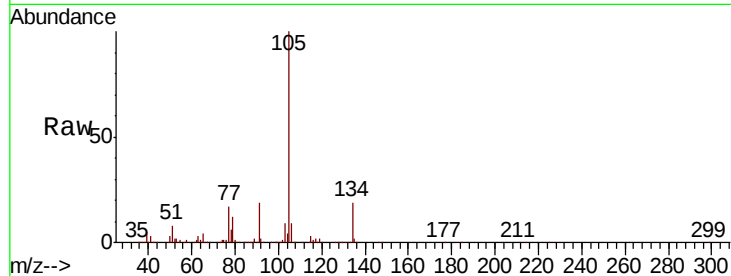




#67
 sec-Butylbenzene
 Concen: 8.383 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

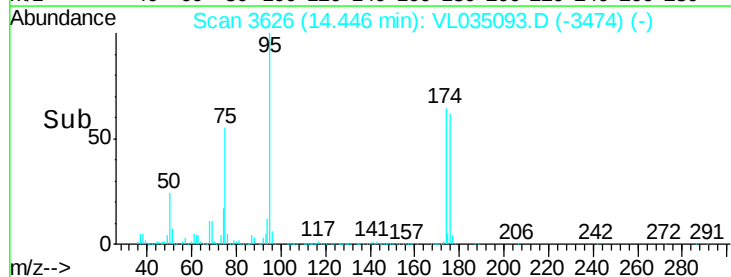
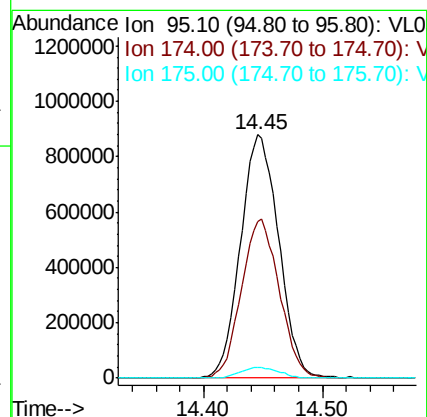
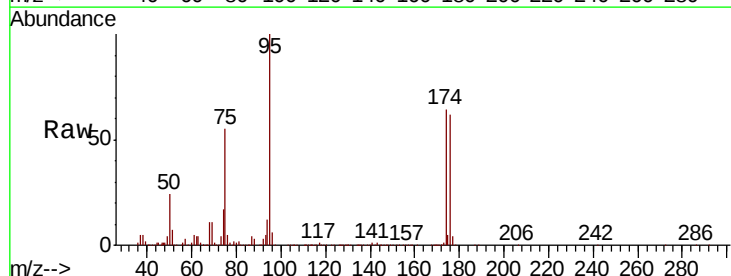
Instrument :
 MSVOA_L
 ClientSampled :

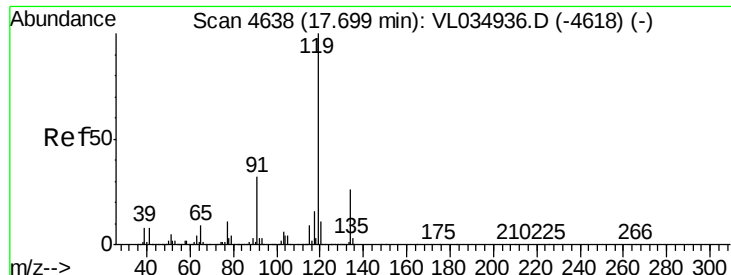
Tot Ion:105 Resp: 4960637
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.103 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion: 95 Resp: 1955627
 Ion Ratio Lower Upper
 95 100
 174 65.0 51.5 77.3
 175 4.5 3.8 5.8

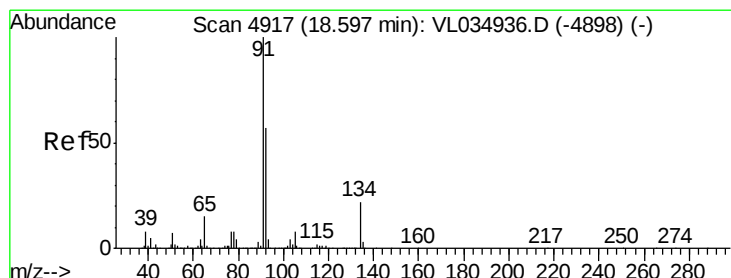
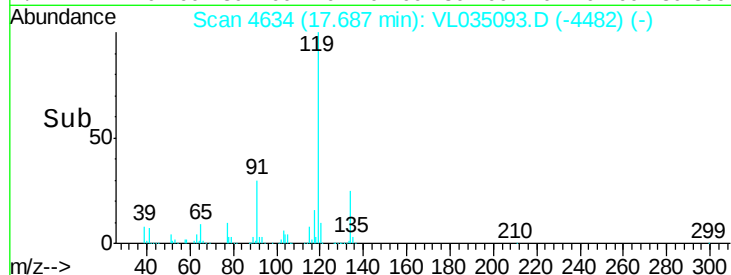
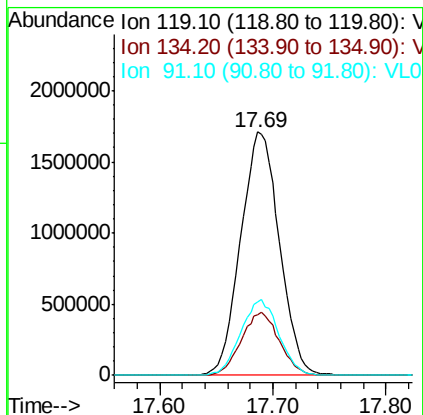
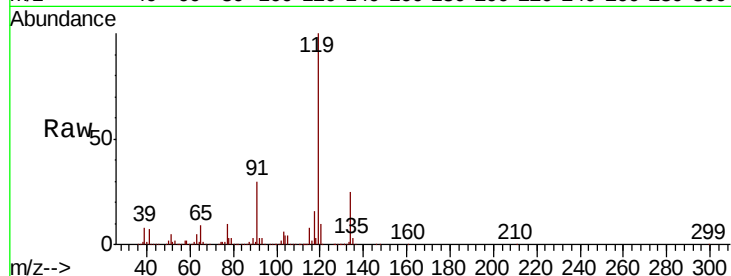




#69
 p-Isopropyltoluene
 Concen: 8.493 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

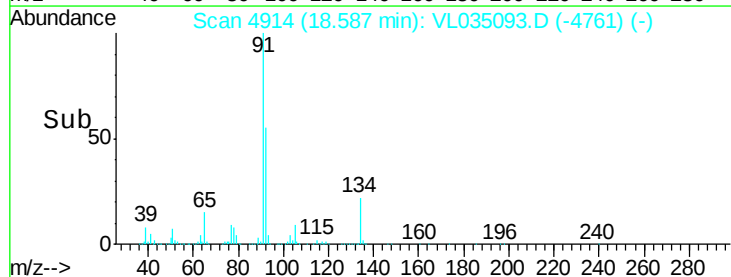
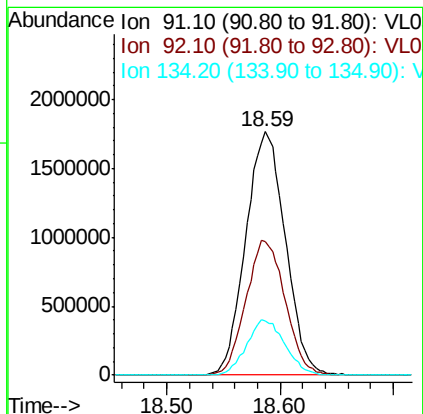
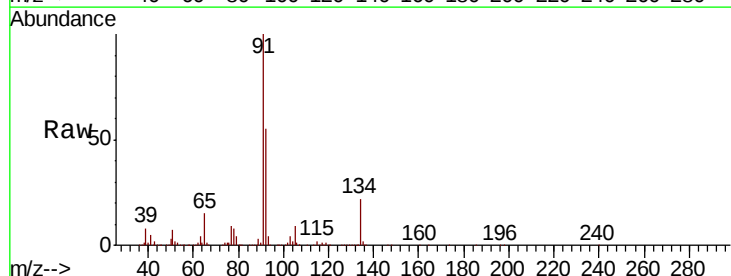
Instrument :
 MSVOA_L
 ClientSampleId :

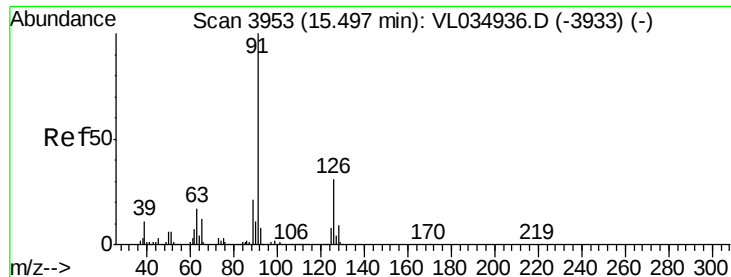
Tot Ion:119 Resp: 4065878
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.3 30.5
 91 30.7 24.6 36.8



#70
 n-Butylbenzene
 Concen: 8.427 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion: 91 Resp: 4293940
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.4 66.6
 134 22.0 18.0 27.0





#71

2-Chlorotoluene

Concen: 8.651 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

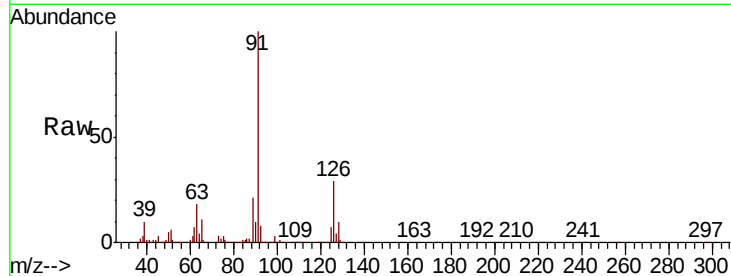
ClientSampleId :

Tot Ion: 91 Resp: 3121216

Ion Ratio Lower Upper

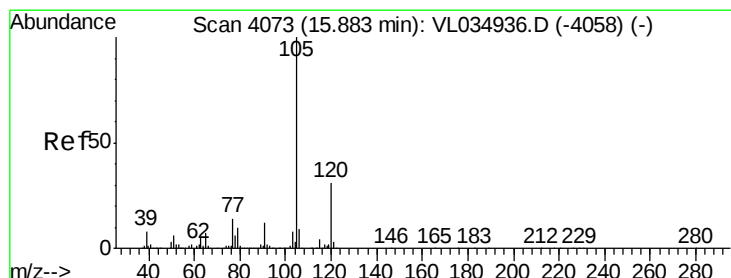
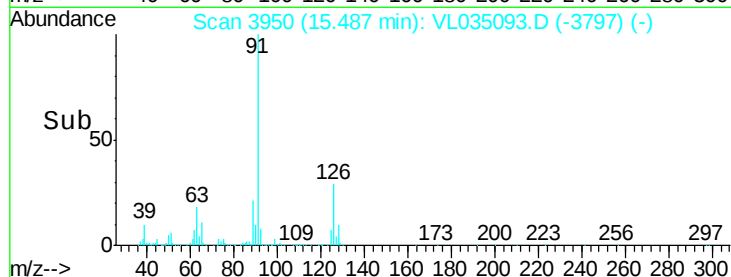
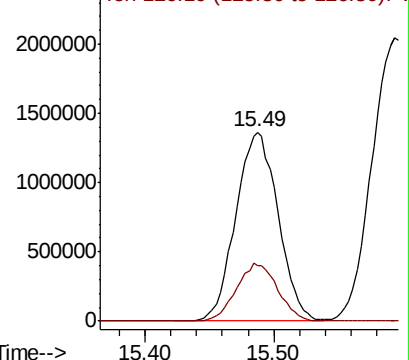
91 100

126 29.6 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.197 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Tgt Ion:105 Resp: 3284879

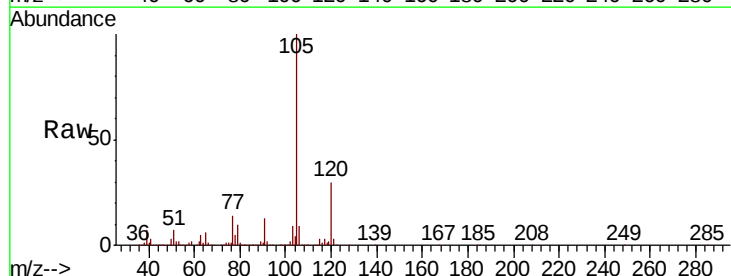
Ion Ratio Lower Upper

105 100

120 30.4 23.8 35.8

91 13.6 10.6 15.8

77 14.8 11.6 17.4

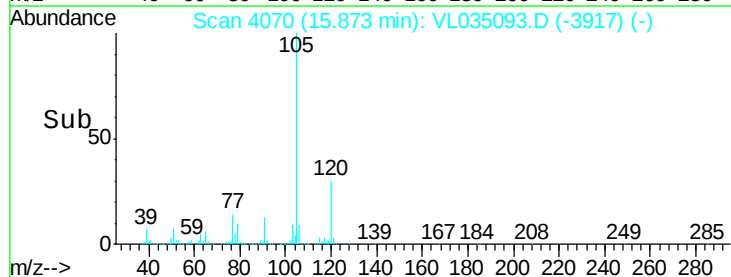
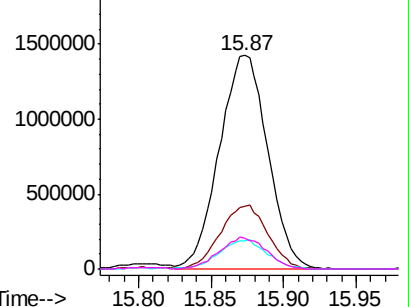


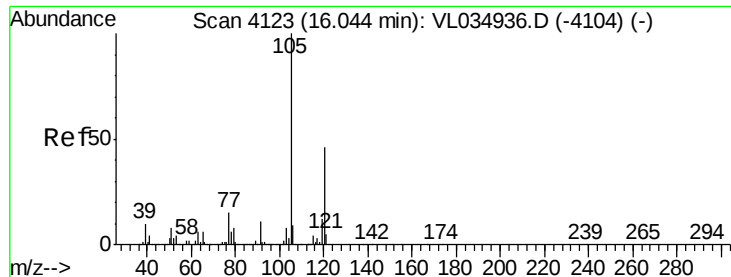
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.037 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

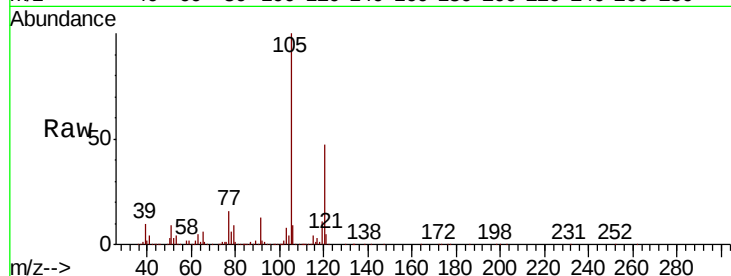
ClientSampleId :

Tot Ion:105 Resp: 3140934

Ion Ratio Lower Upper

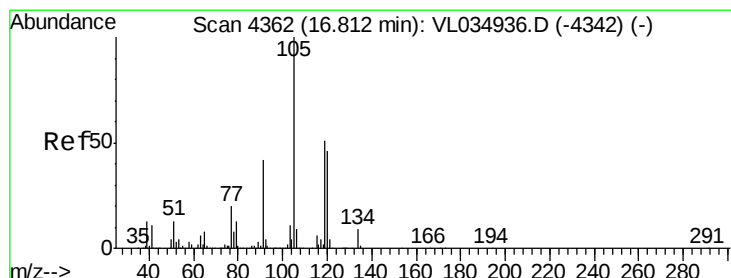
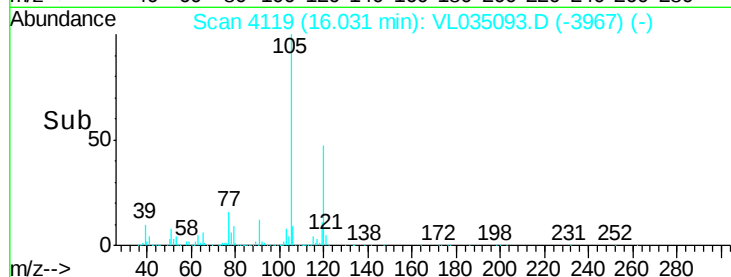
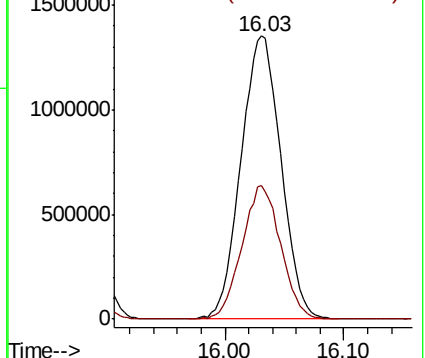
105 100

120 47.1 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.516 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Tgt Ion:105 Resp: 3230865

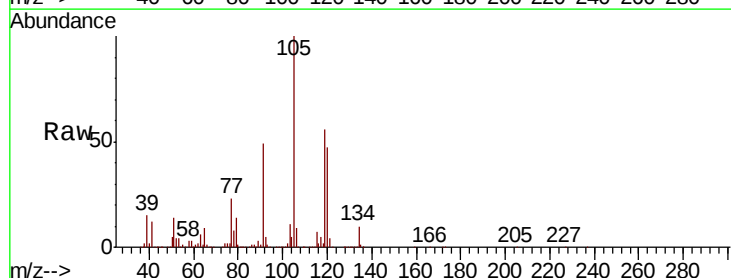
Ion Ratio Lower Upper

105 100

120 47.0 36.8 55.2

91 48.7 35.4 53.0

77 23.0 16.2 24.2

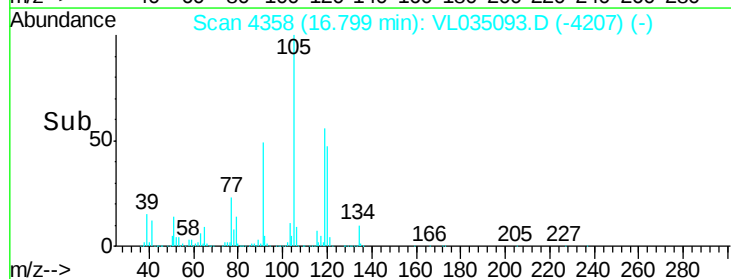
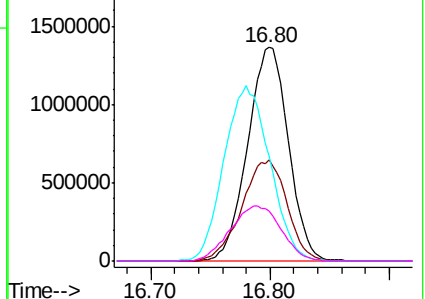


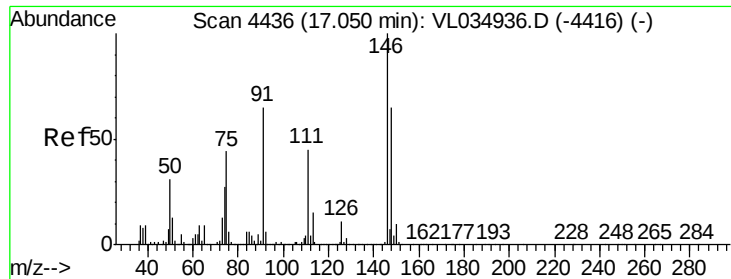
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.173 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

ClientSampleId :

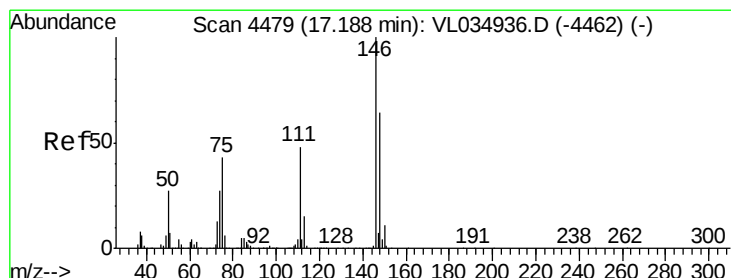
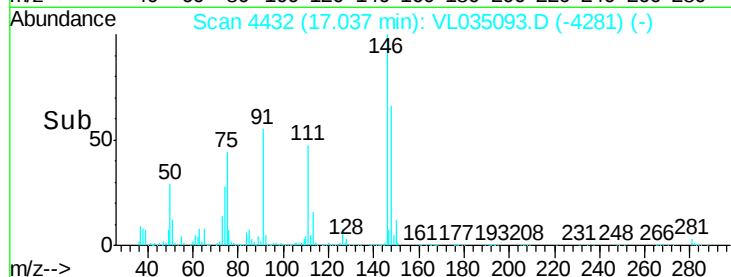
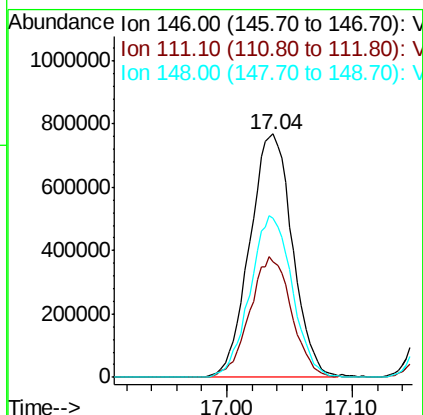
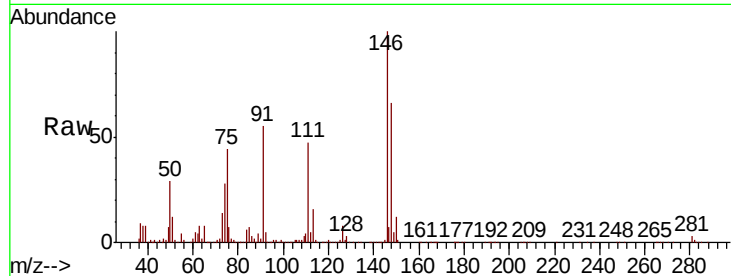
Tot Ion:146 Resp: 1820735

Ion Ratio Lower Upper

146 100

111 48.5 24.0 72.0

148 65.4 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 8.554 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

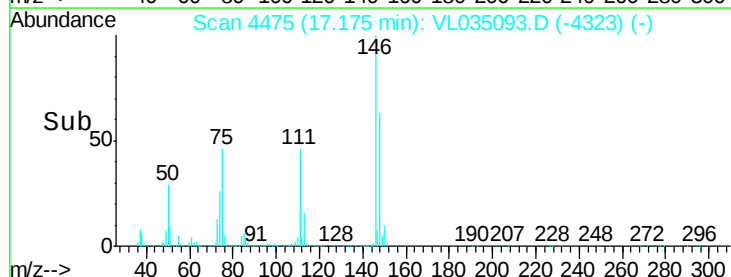
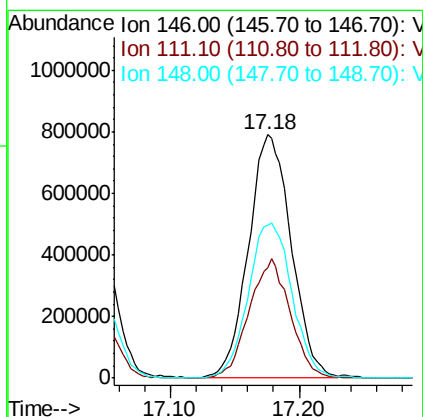
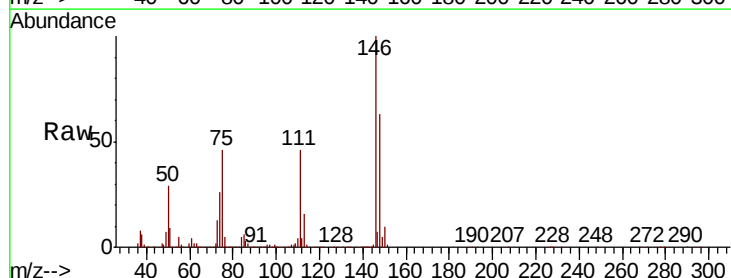
Tgt Ion:146 Resp: 1810715

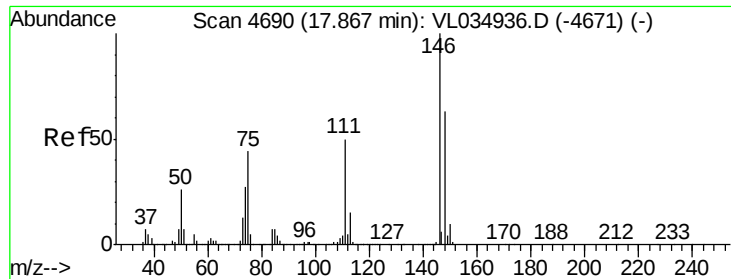
Ion Ratio Lower Upper

146 100

111 47.5 23.7 71.1

148 65.9 32.6 97.8

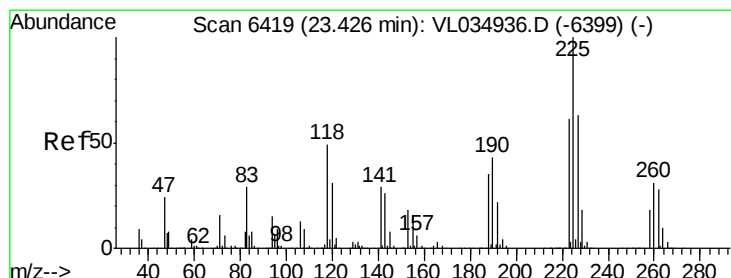
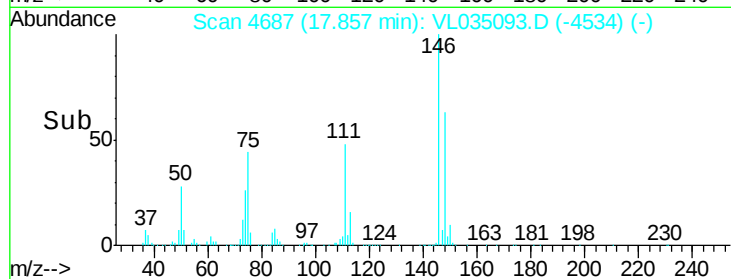
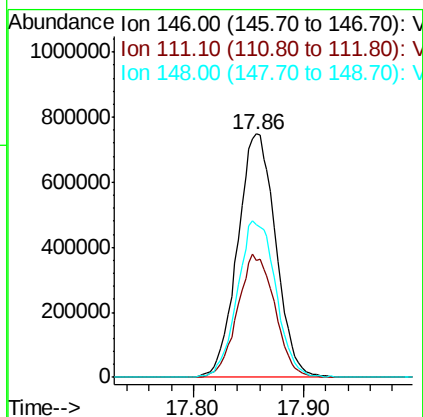
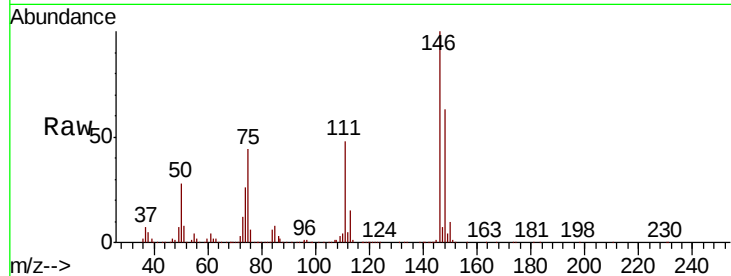




#77
 1,2-Dichlorobenzene
 Concen: 8.525 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

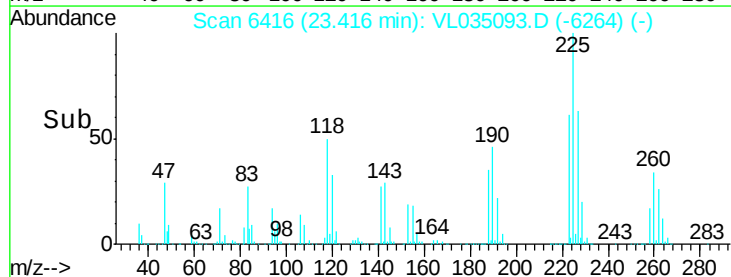
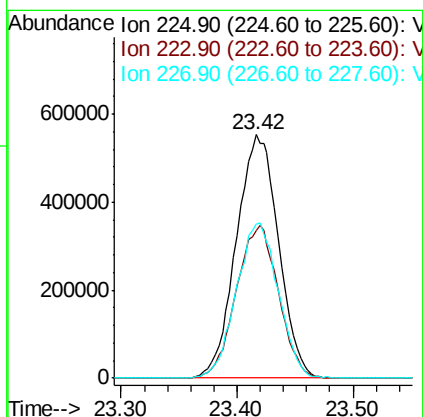
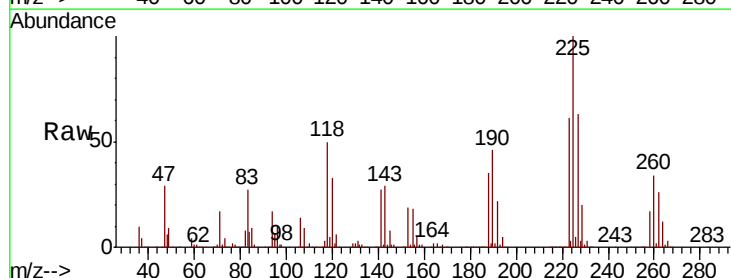
Instrument :
 MSVOA_L
 ClientSampled :

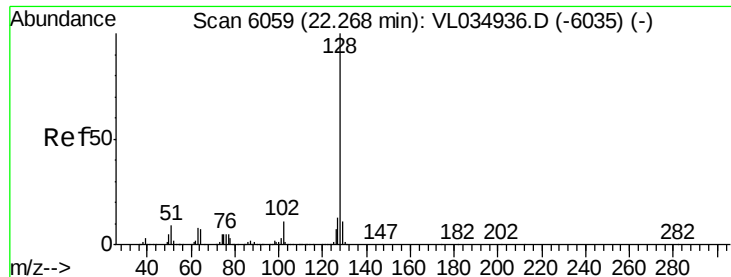
Tot Ion:146 Resp: 1789391
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.5 73.5
 148 65.0 31.7 95.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.829 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.01 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Tgt Ion:225 Resp: 1400801
 Ion Ratio Lower Upper
 225 100
 223 62.7 49.8 74.8
 227 63.4 51.8 77.6





#79

Naphthalene

Concen: 9.184 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. -0.02 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

Instrument :

MSVOA_L

ClientSampleId :

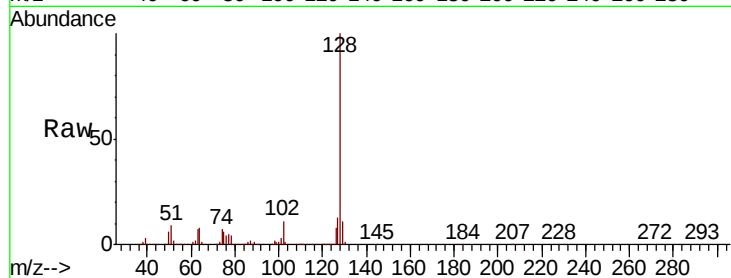
Tot Ion:128 Resp: 2713188

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

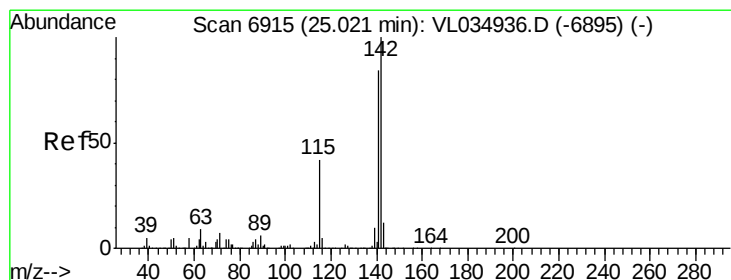
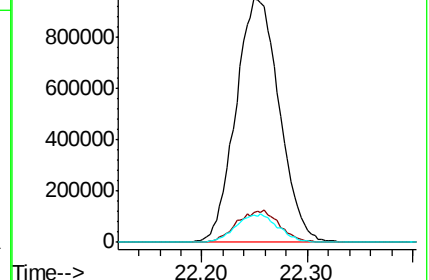
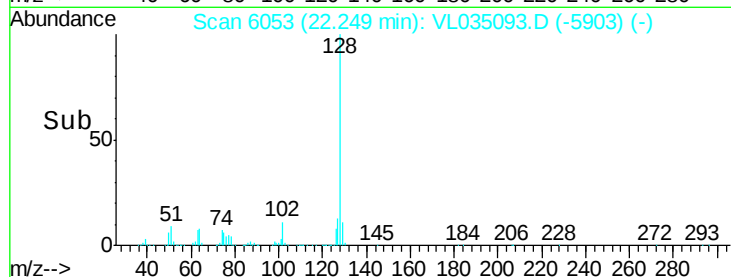
129 11.3 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.394 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.01 min

Lab File: VL035093.D

Acq: 22 May 2020 20:38

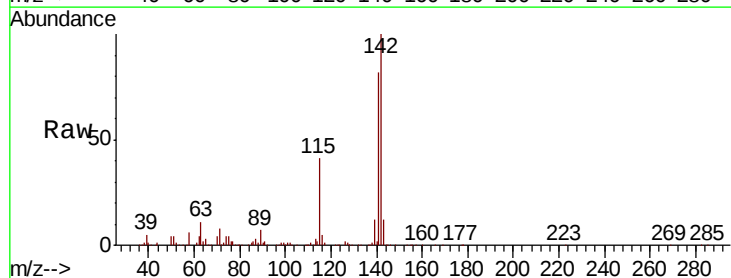
Tgt Ion:142 Resp: 754807

Ion Ratio Lower Upper

142 100

141 84.1 68.6 102.8

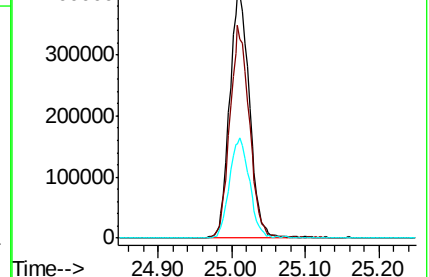
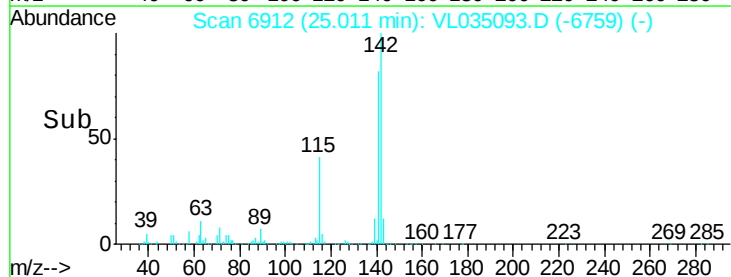
115 41.4 33.9 50.9

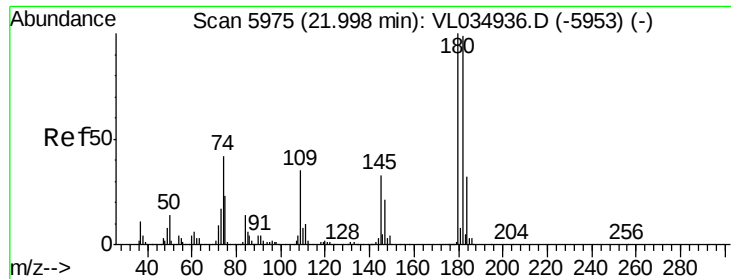


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

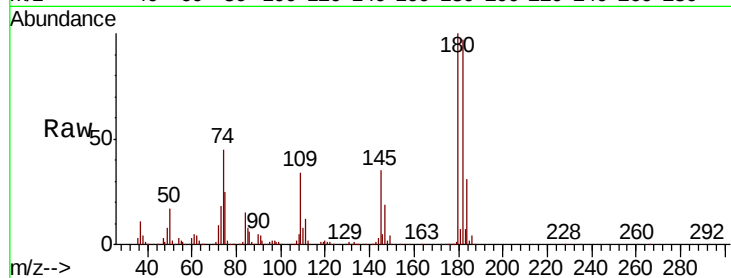




#81
 1,2,4-Trichlorobenzene
 Concen: 8.455 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.02 min
 Lab File: VL035093.D
 Acq: 22 May 2020 20:38

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1514781
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.5 116.3
 184 30.8 24.8 37.2



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

