

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036270.D
 Acq On : 22 Jan 2021 17:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jan 23 04:35:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1498022	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3393246	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	4000518	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2750244	8.31	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2162637	10.770	ppbv 98
3) Chlorodifluoromethane	3.00	51	2009444	10.922	ppbv 97
4) Chloromethane	3.15	50	972487	10.695	ppbv 94
5) Vinyl Chloride	3.27	62	931597	10.827	ppbv 100
6) Bromomethane	3.48	94	516340	10.734	ppbv 93
7) Chloroethane	3.56	64	339145	11.445	ppbv 93
8) Dichlorotetrafluoroethane	3.20	85	2202434	11.321	ppbv 97
9) Propene	3.01	41	857294	9.785	ppbv 98
10) Heptane	8.14	43	2231536	10.261	ppbv 98
11) Trichlorofluoromethane	3.96	101	2290672	11.221	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1396605	11.284	ppbv 98
13) Ethanol	3.61	45	41275	3.000	ppbv # 29
14) Bromoethene	3.75	108	608458	10.796	ppbv 98
15) Acetone	3.86	43	1790285	9.758	ppbv 98
16) 1,3-Butadiene	3.34	39	951773	10.649	ppbv 99
17) tert-Butyl alcohol	4.30	59	1508991	9.967	ppbv 100
18) 1,1-Dichloroethene	4.30	96	615487	10.726	ppbv 92
19) Isopropyl Alcohol	3.98	45	988503	8.937	ppbv # 99
20) Methylene Chloride	4.36	84	540702	9.234	ppbv 92
21) Allyl Chloride	4.42	41	1105571	11.071	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	578506	10.912	ppbv 100
23) Vinyl Acetate	5.09	43	2371747	10.669	ppbv # 98
24) 1,1-Dichloroethane	5.02	63	1759432	10.926	ppbv 98
25) Ethyl Acetate	5.69	43	3785065	10.276	ppbv 99
26) Hexane	5.70	57	1537869	10.028	ppbv 99
27) Carbon Disulfide	4.56	76	1525486	12.440	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	2080507	10.032	ppbv 97
29) Chloroform	5.77	83	2464668	11.225	ppbv 95
30) Cyclohexane	7.15	84	1262334	10.772	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1611704	10.996	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	2415974	11.376	ppbv 99
34) 2-Butanone	5.26	43	2387878	9.556	ppbv 99
35) Carbon Tetrachloride	7.04	117	2421901	11.297	ppbv 98
36) Benzene	6.91	78	3172665	10.204	ppbv 100
37) 1,2-Dichloroethane	6.32	62	2037865	10.892	ppbv 99
38) Trichloroethene	7.85	130	1032481	8.966	ppbv 96
39) 1,2-Dichloropropane	7.64	63	751418	5.952	ppbv 96
40) 1,4-Dioxane	7.85	88	366669	8.029	ppbv # 1
41) Tetrahydrofuran	6.06	42	1440564	9.975	ppbv 96
42) Bromodichloromethane	7.81	83	2631441	11.190	ppbv 96
43) Methyl Methacrylate	8.03	69	1424528	10.781	ppbv 96

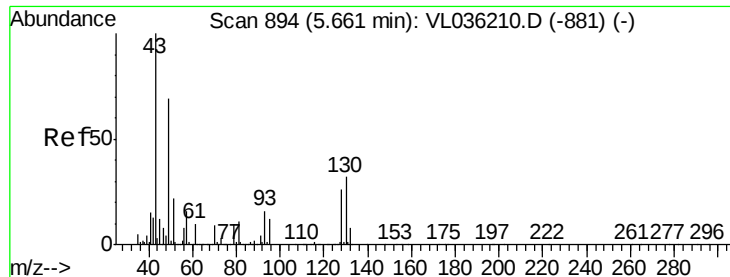
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036270.D
 Acq On : 22 Jan 2021 17:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
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 VSTDCCC010EC

Quant Time: Jan 23 04:35:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5467640	9.574	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1490253	11.875	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1825897	11.322	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1220190	10.104	ppbv	97
48) Dibromochloromethane	10.33	129	1956028	11.071	ppbv	100
49) Bromoform	13.07	173	1515979	10.279	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	3737371	10.031	ppbv	100
51) 2-Hexanone	10.16	43	3006777	10.229	ppbv #	99
52) Tetrachloroethene	11.24	164	990557	8.646	ppbv	98
53) Toluene	9.82	91	3435890	9.879	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1803557	10.075	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1463055	8.195	ppbv #	92
57) Chlorobenzene	12.17	112	2390630	7.617	ppbv	97
58) Ethyl Benzene	12.73	91	4644590	7.824	ppbv	98
59) m/p-Xylene	13.02	91	3959033	7.761	ppbv #	38
60) o-Xylene	13.72	91	3607592	7.337	ppbv	98
61) Styrene	13.55	104	2481568	7.992	ppbv	99
62) Isopropylbenzene	14.69	105	5249157	7.180	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2459056	6.717	ppbv	99
64) n-propylbenzene	15.59	120	1337744	7.448	ppbv	99
65) tert-Butylbenzene	16.77	119	4397461	7.099	ppbv	99
66) Benzyl Chloride	17.02	91	1392249	8.797	ppbv	99
67) sec-Butylbenzene	17.32	105	6347173	6.902	ppbv	100
69) p-Isopropyltoluene	17.68	119	5182022	7.106	ppbv	99
70) n-Butylbenzene	18.57	91	5733909	7.379	ppbv	100
71) 2-Chlorotoluene	15.48	91	4151721	7.225	ppbv	100
72) 4-Ethyltoluene	15.87	105	4089226	7.370	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3836498	7.253	ppbv	99
74) 1,2,4-Trimethylbenzene	16.79	105	3878945	7.149	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	2058471	7.074	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2023663	7.039	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2069008	7.280	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	948914	4.174	ppbv #	14
79) Naphthalene	22.23	128	3989376	12.579	ppbv	97
80) Naphthalene, 2-methyl-	24.99	142	862933	12.752	ppbv	92
81) 1,2,4-Trichlorobenzene	21.96	180	2007136	10.840	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL036270.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

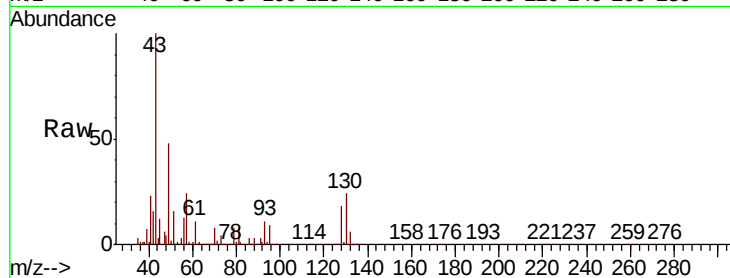
Tot Ion: 49 Resp: 1498022

Ion Ratio Lower Upper

49 100

128 41.5 20.1 60.2

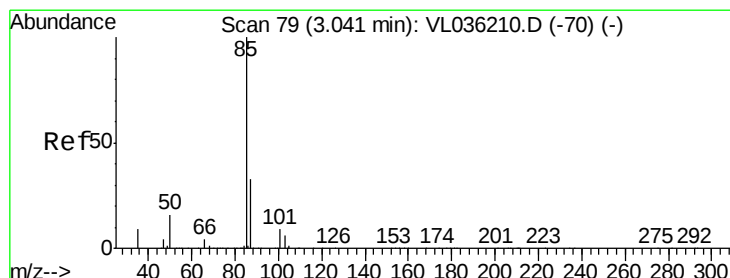
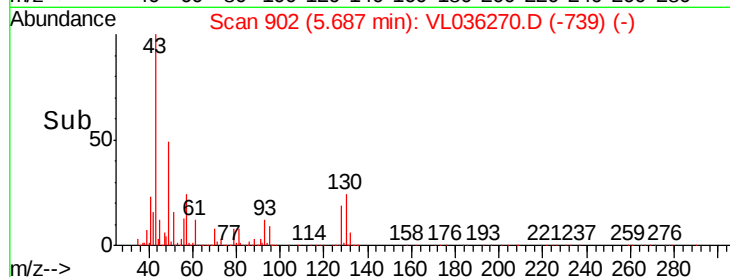
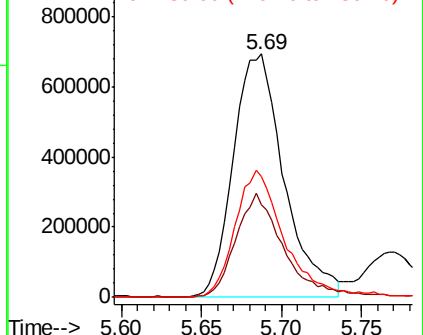
130 51.5 25.3 75.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.770 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL036270.D

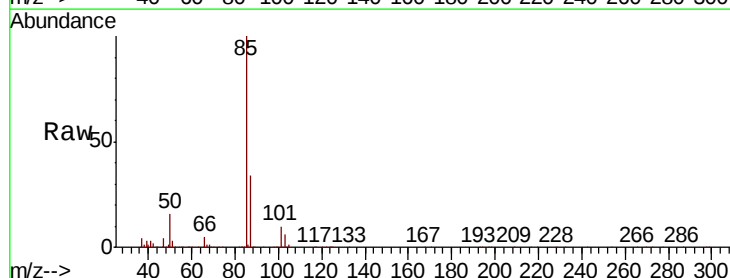
Acq: 22 Jan 2021 17:14

Tgt Ion: 85 Resp: 2162637

Ion Ratio Lower Upper

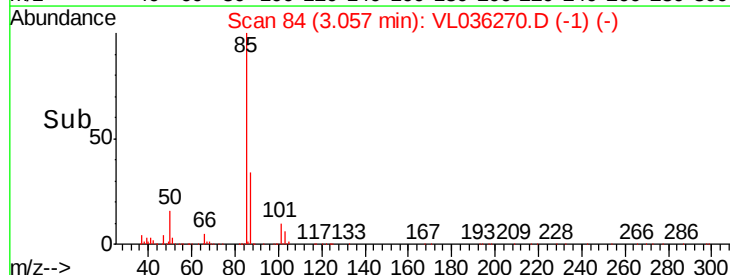
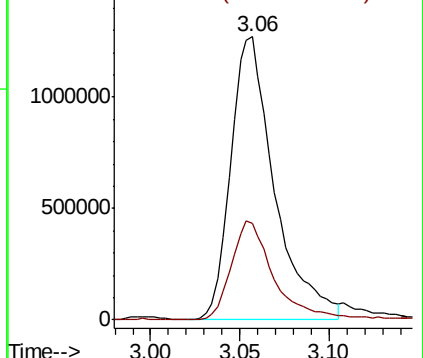
85 100

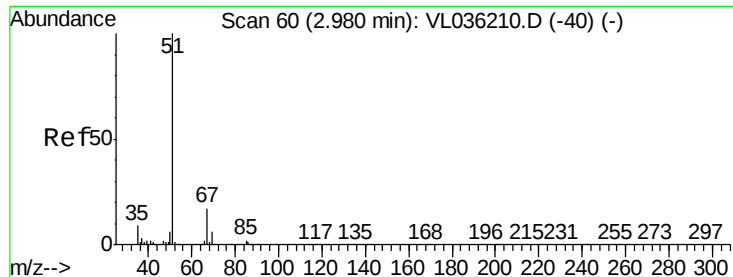
87 34.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

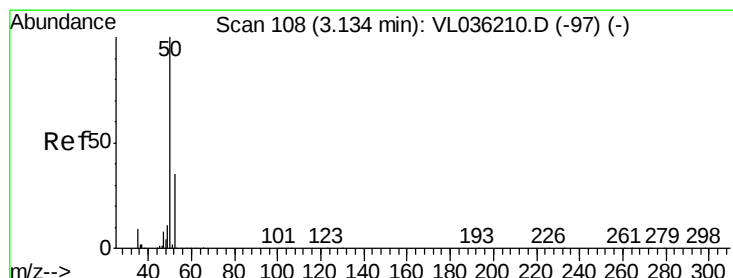
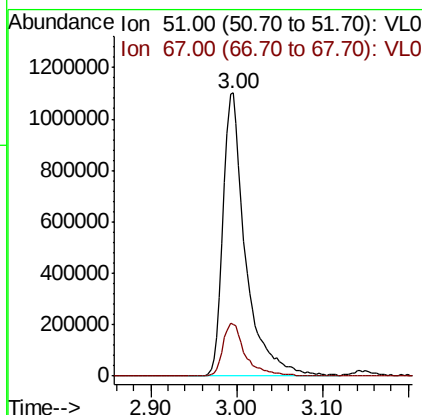
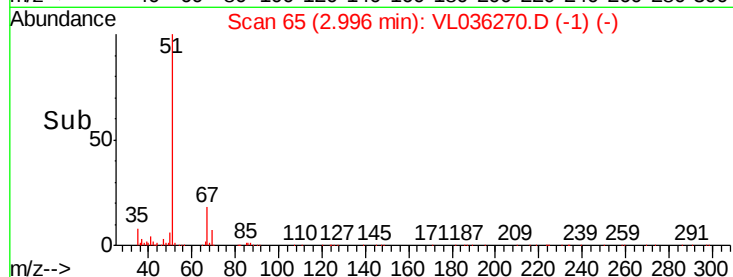
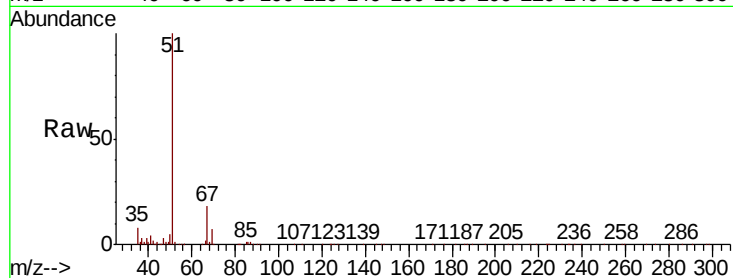




#3
Chlorodifluoromethane
Concen: 10.922 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

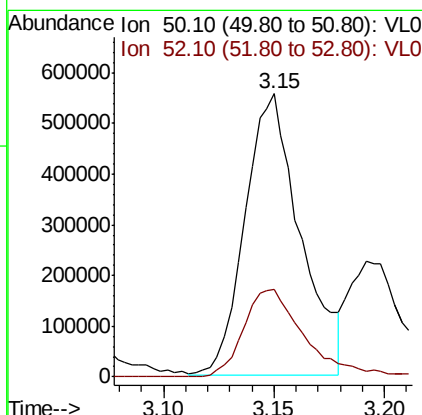
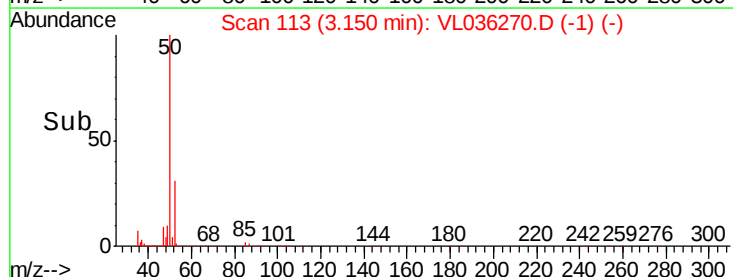
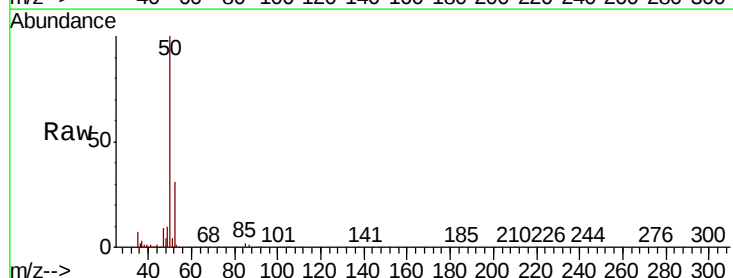
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

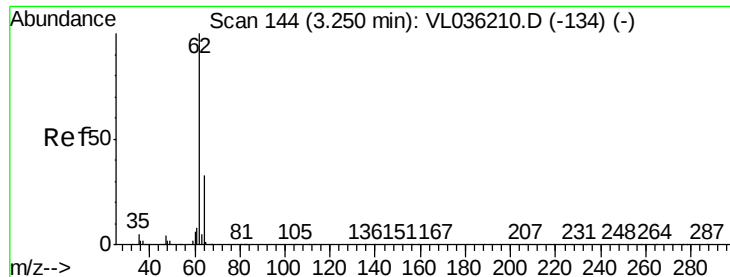
Tot Ion: 51 Resp: 2009444
Ion Ratio Lower Upper
51 100
67 18.8 14.0 21.0



#4
Chloromethane
Concen: 10.695 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 50 Resp: 972487
Ion Ratio Lower Upper
50 100
52 31.3 27.8 41.8





#5

Vinyl Chloride

Concen: 10.827 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

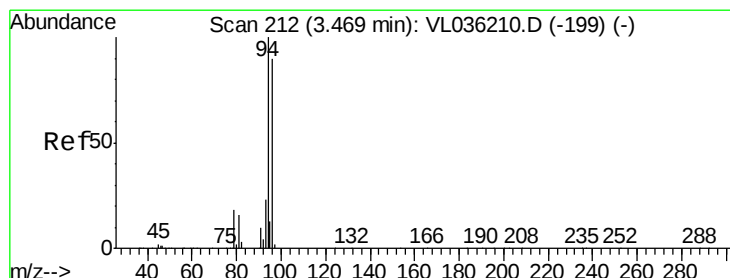
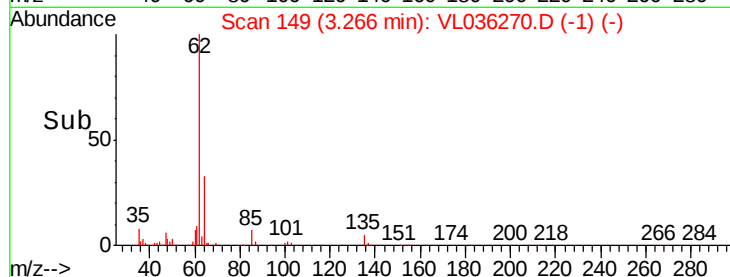
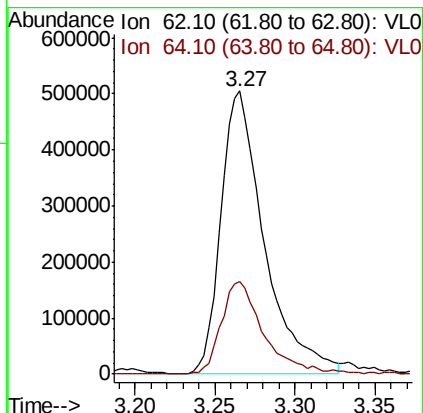
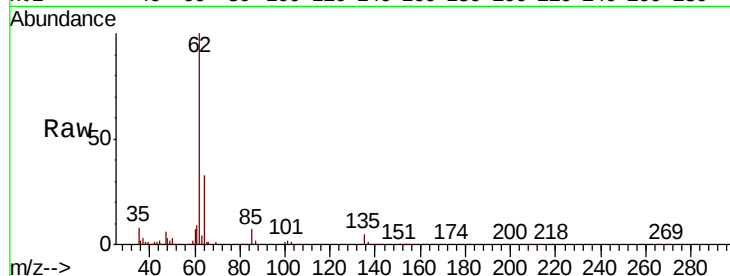
VSTDCCC010EC

Tot Ion: 62 Resp: 931597

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2



#6

Bromomethane

Concen: 10.734 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036270.D

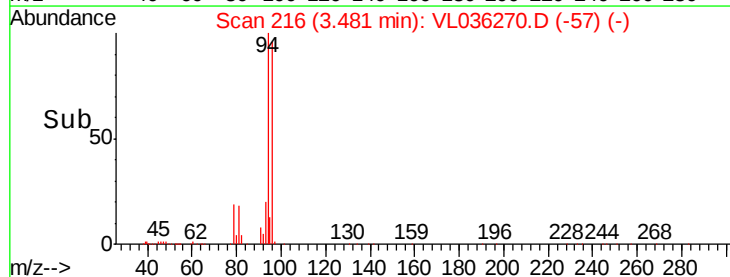
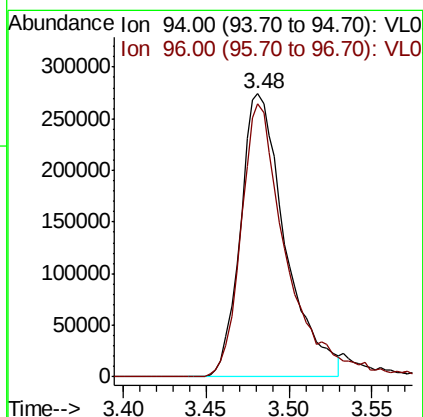
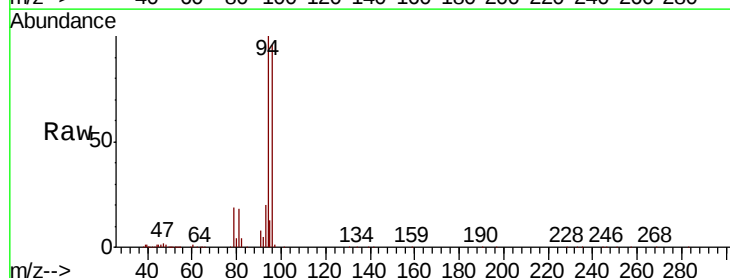
Acq: 22 Jan 2021 17:14

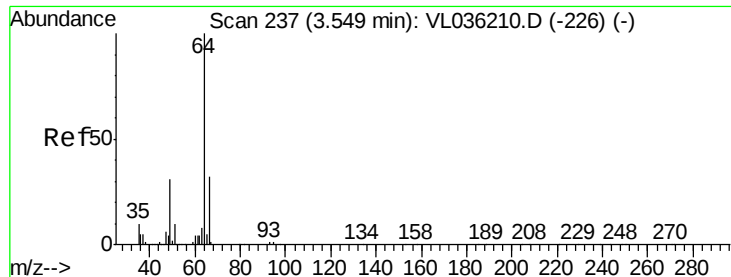
Tgt Ion: 94 Resp: 516340

Ion Ratio Lower Upper

94 100

96 96.3 71.9 107.9





#7

Chloroethane

Concen: 11.445 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

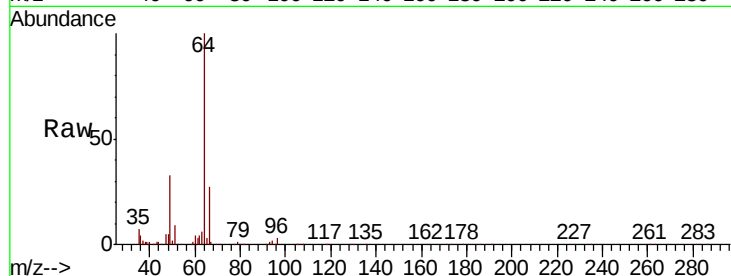
VSTDCCC010EC

Tot Ion: 64 Resp: 339145

Ion Ratio Lower Upper

64 100

66 27.4 25.2 37.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

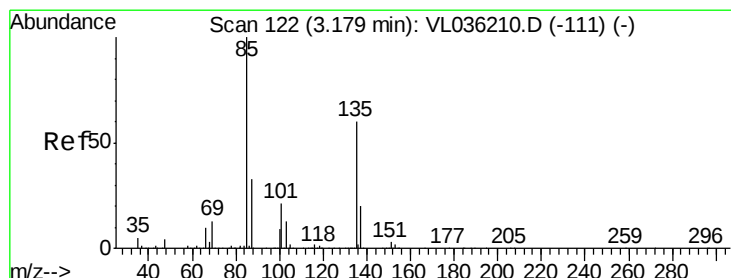
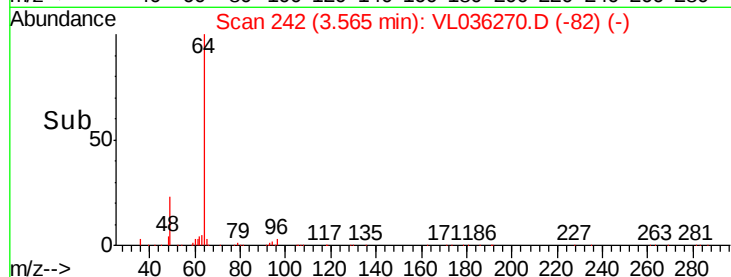
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.321 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL036270.D

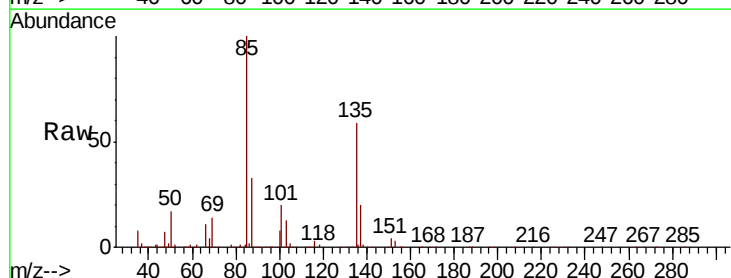
Acq: 22 Jan 2021 17:14

Tgt Ion: 85 Resp: 2202434

Ion Ratio Lower Upper

85 100

135 62.0 51.5 77.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

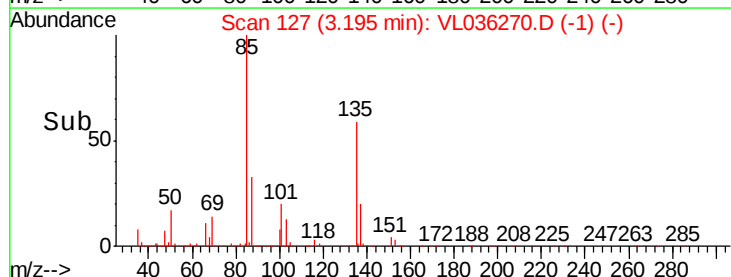
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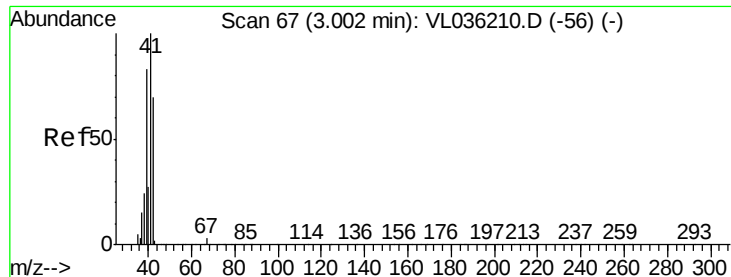
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Time-->





#9

Propene

Concen: 9.785 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

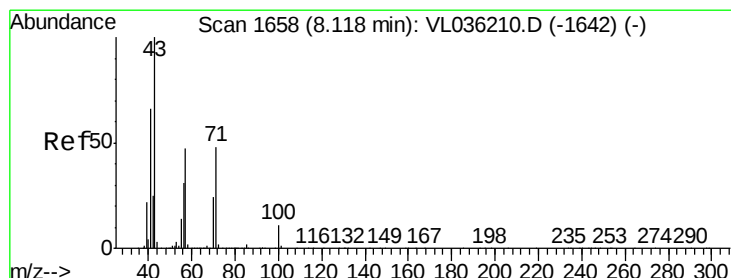
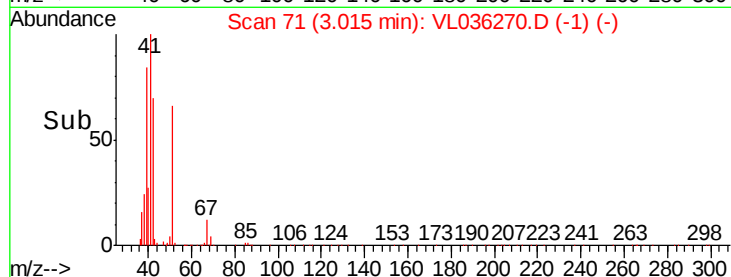
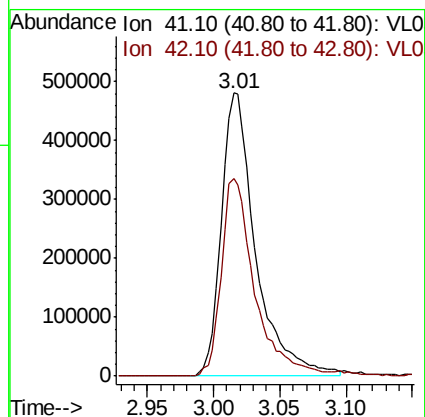
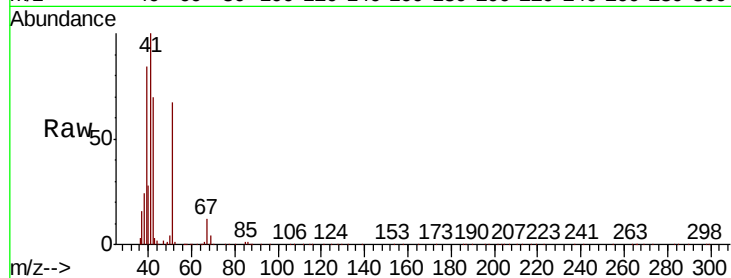
VSTDCCC010EC

Tot Ion: 41 Resp: 857294

Ion Ratio Lower Upper

41 100

42 69.7 57.1 85.7



#10

Heptane

Concen: 10.261 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.02 min

Lab File: VL036270.D

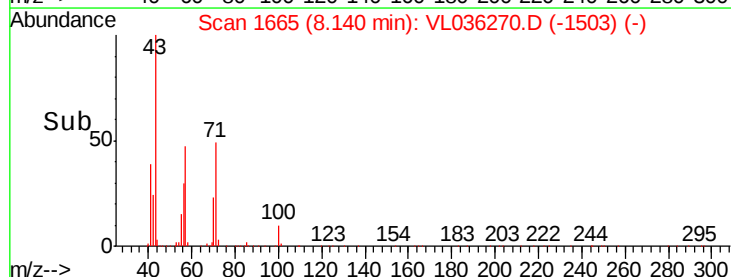
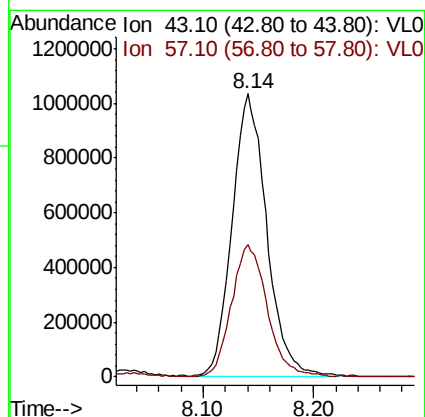
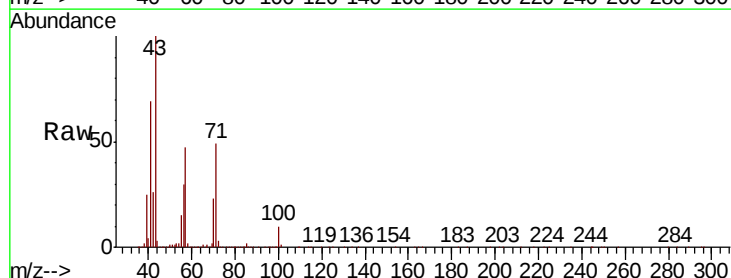
Acq: 22 Jan 2021 17:14

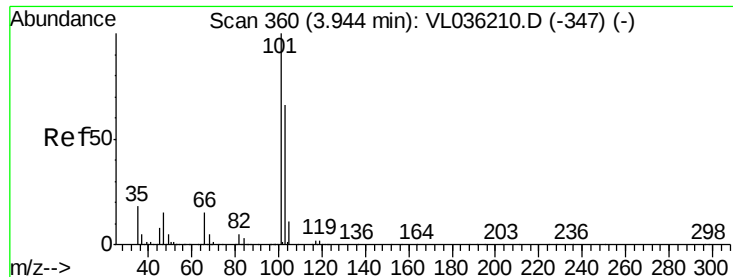
Tgt Ion: 43 Resp: 2231536

Ion Ratio Lower Upper

43 100

57 48.9 38.1 57.1

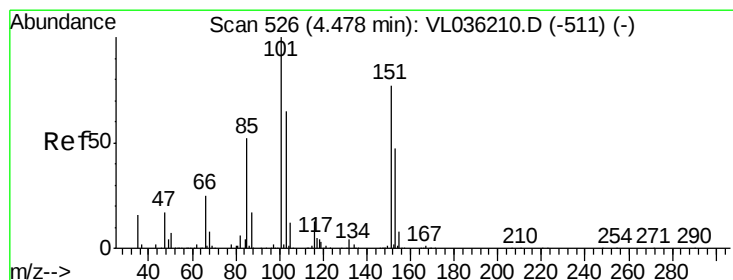
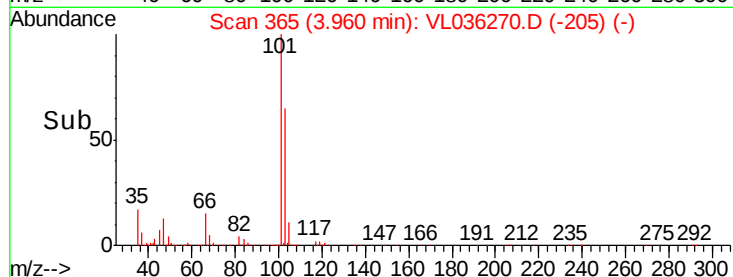
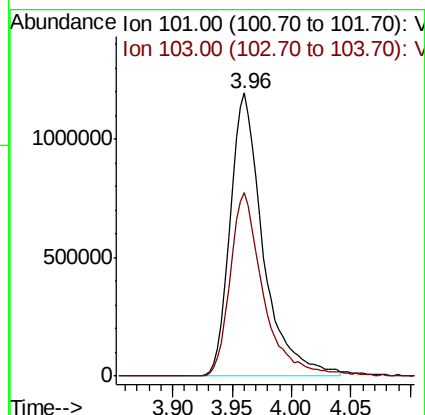
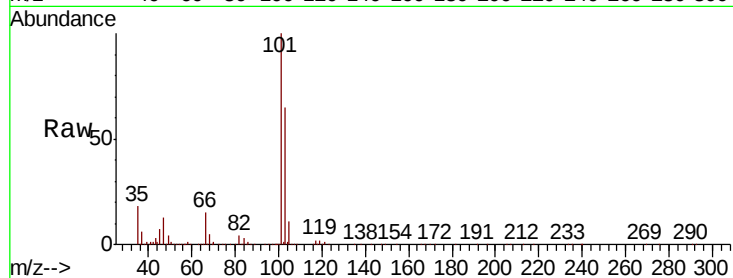




#11
 Trichlorofluoromethane
 Concen: 11.221 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

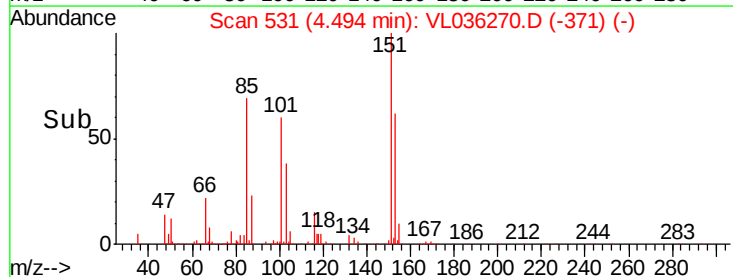
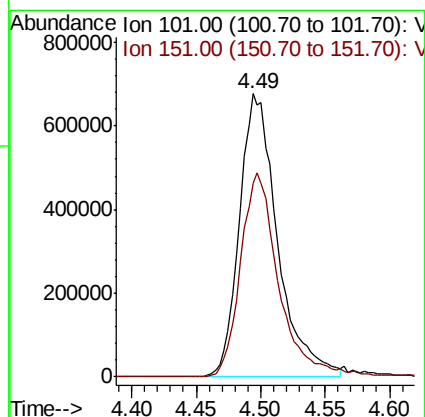
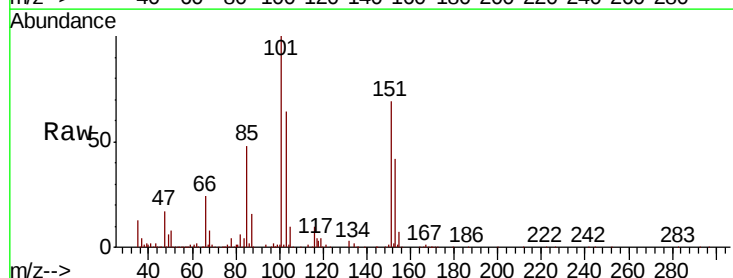
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

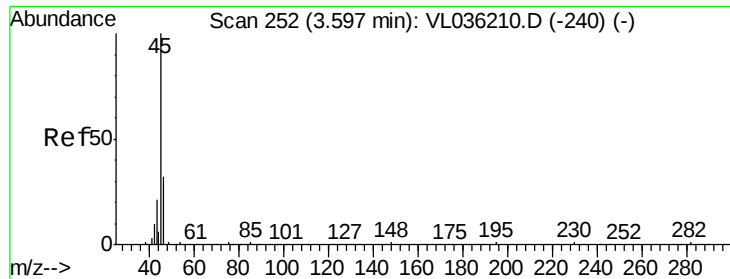
Tot Ion:101 Resp: 2290672
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.284 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion:101 Resp: 1396605
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.8 89.6





#13

Ethanol

Concen: 3.000 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

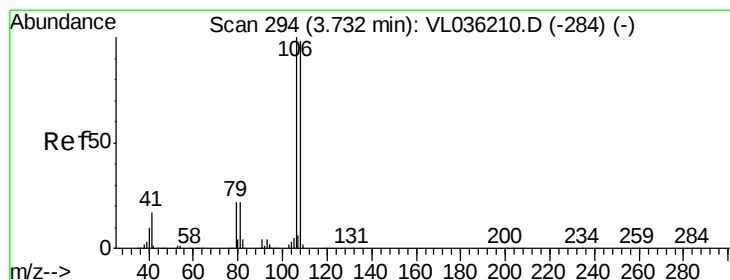
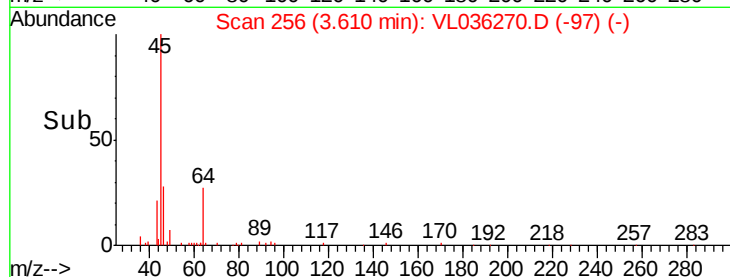
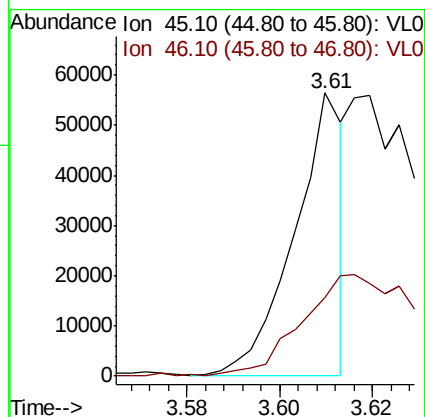
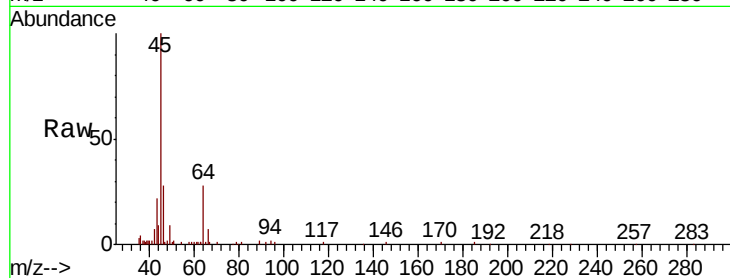
VSTDCCC010EC

Tot Ion: 45 Resp: 41275

Ion Ratio Lower Upper

45 100

46 0.0 19.2 77.0#



#14

Bromoethene

Concen: 10.796 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

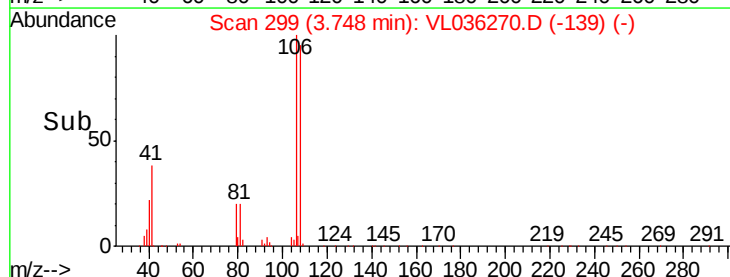
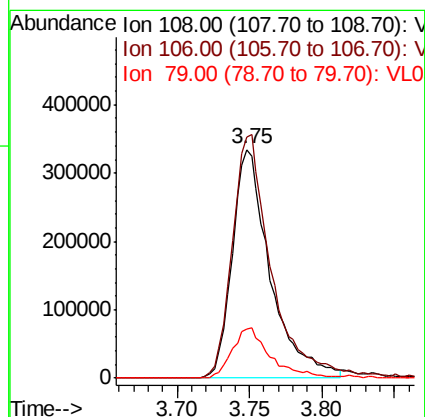
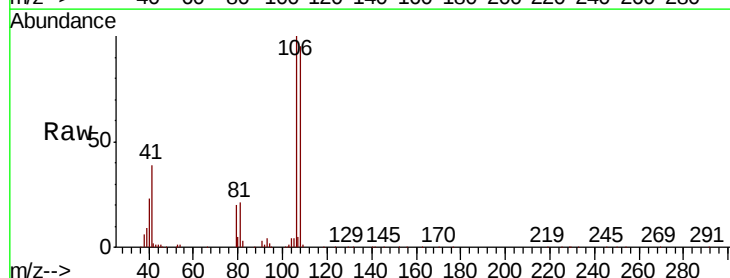
Tgt Ion: 108 Resp: 608458

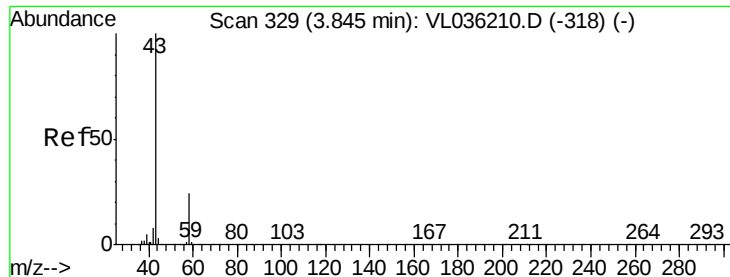
Ion Ratio Lower Upper

108 100

106 111.4 91.4 137.2

79 23.2 18.3 27.5





#15

Acetone

Concen: 9.758 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

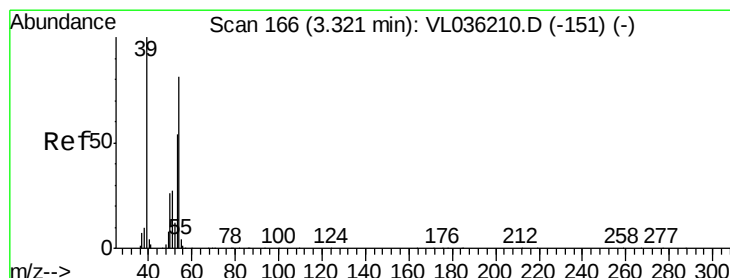
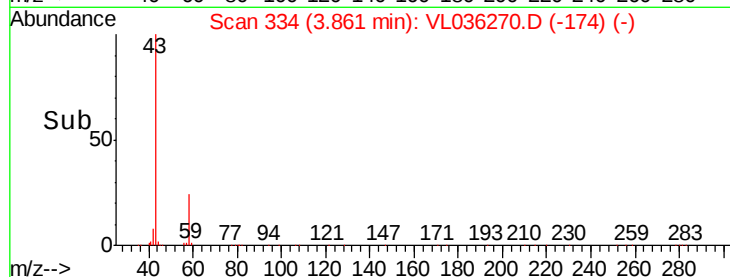
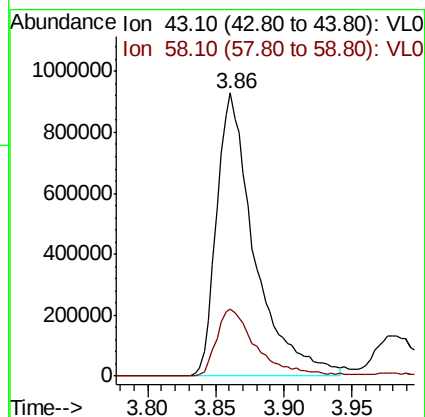
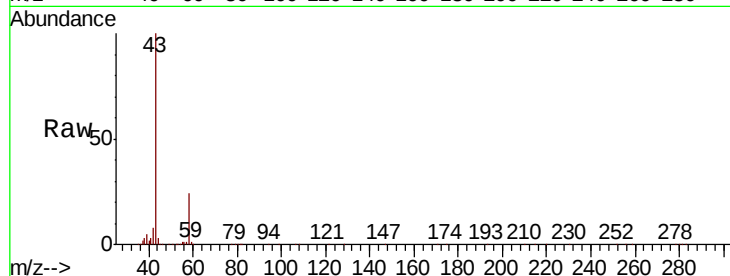
VSTDCCC010EC

Tot Ion: 43 Resp: 1790285

Ion Ratio Lower Upper

43 100

58 25.2 20.9 31.3



#16

1,3-Butadiene

Concen: 10.649 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL036270.D

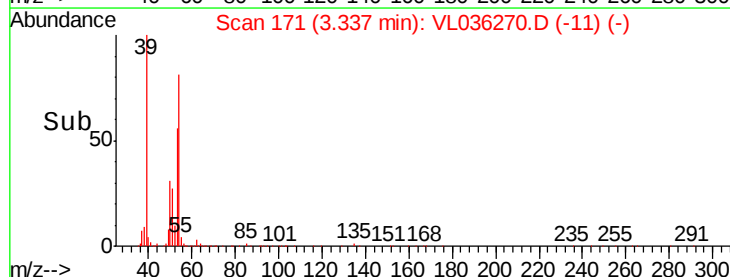
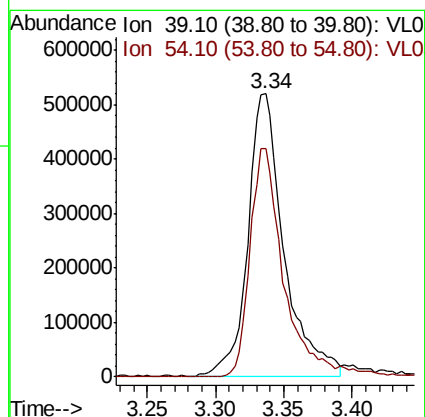
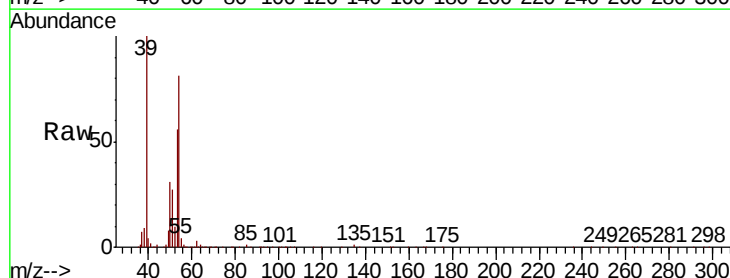
Acq: 22 Jan 2021 17:14

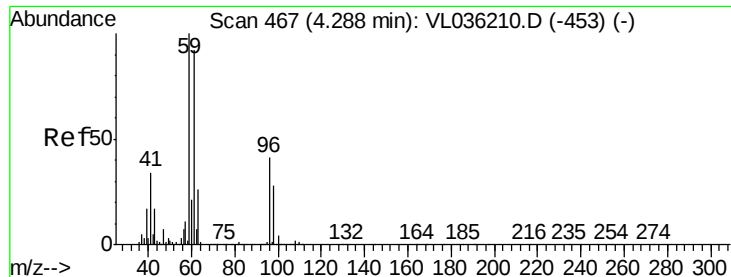
Tgt Ion: 39 Resp: 951773

Ion Ratio Lower Upper

39 100

54 77.1 62.5 93.7





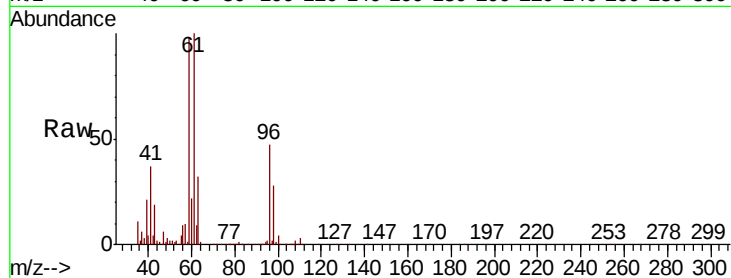
#17

tert-Butyl alcohol
Concen: 9.967 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

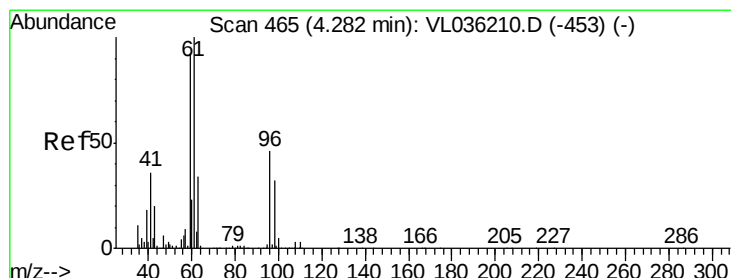
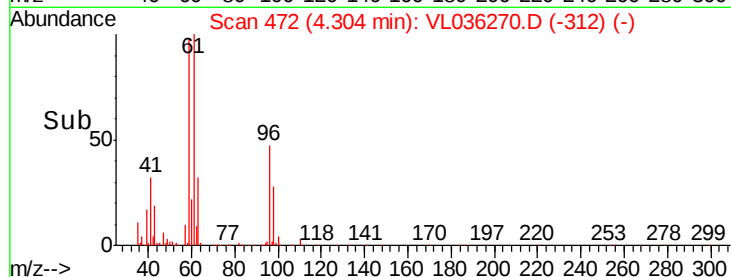
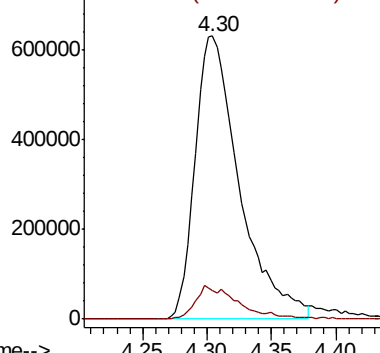
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1508991

Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.2	13.8



Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

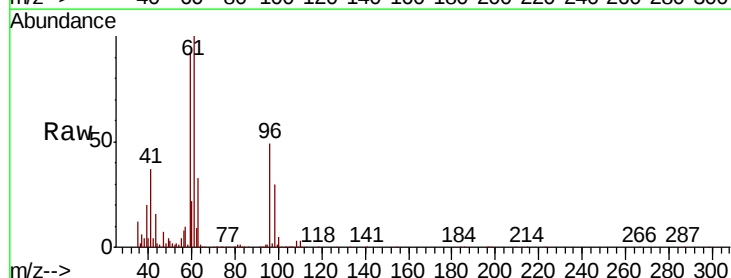


#18

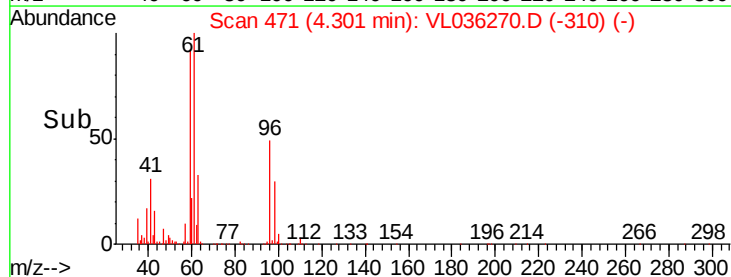
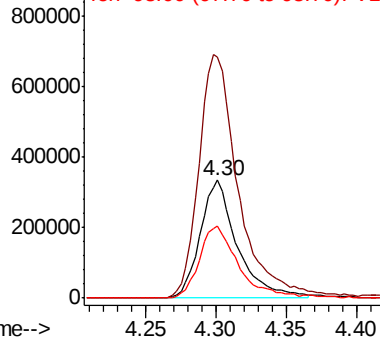
1,1-Dichloroethene
Concen: 10.726 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

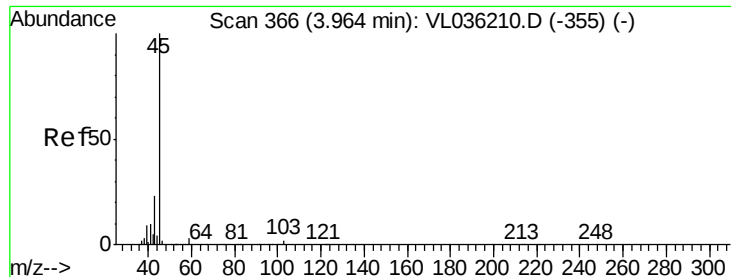
Tgt Ion: 96 Resp: 615487

Ion	Ratio	Lower	Upper
96	100		
61	204.7	173.4	260.0
98	61.4	54.9	82.3



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



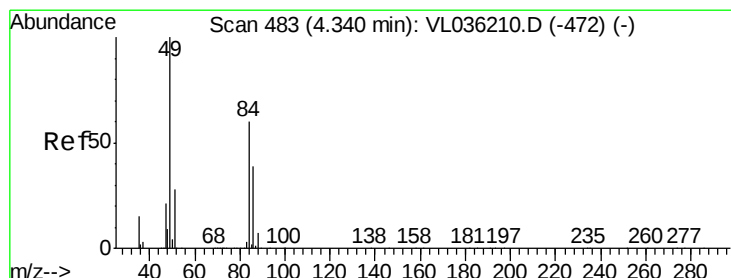
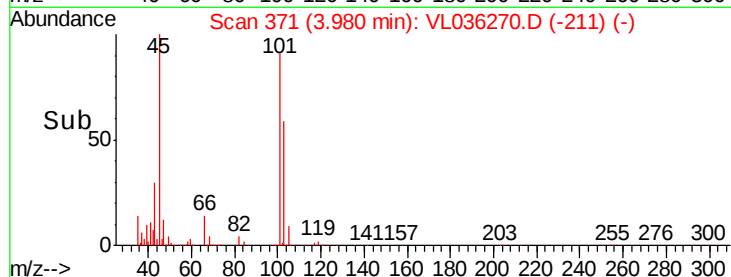
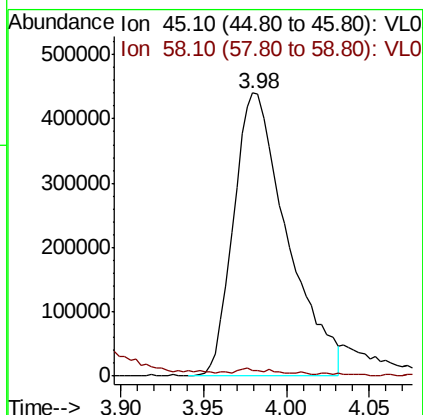
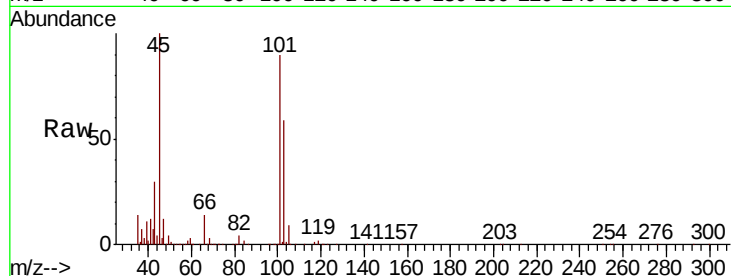


#19

Isopropyl Alcohol
 Concen: 8.937 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

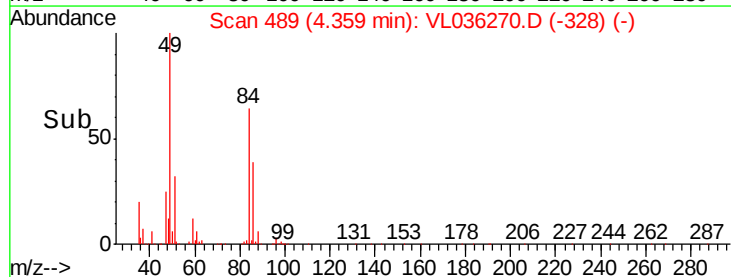
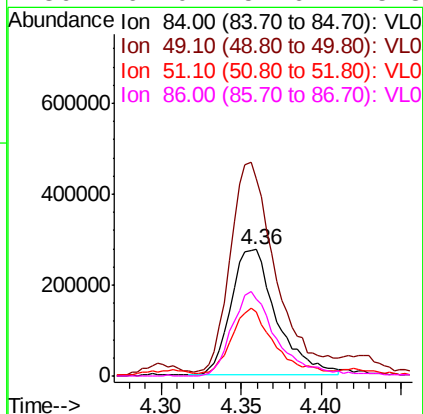
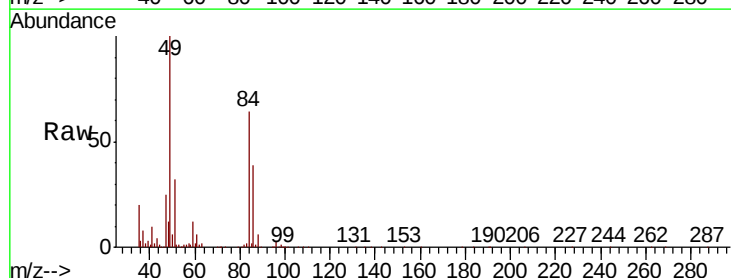
Tot Ion: 45 Resp: 988503
 Ion Ratio Lower Upper
 45 100
 58 2.9 1.9 2.9#

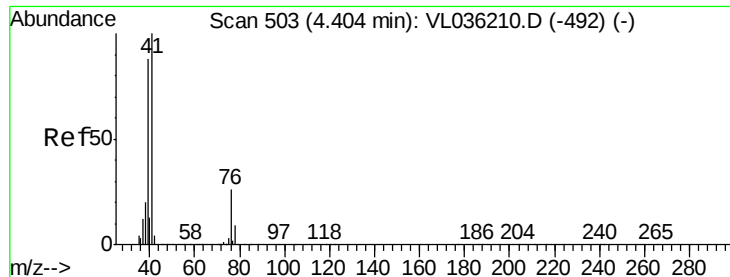


#20

Methylene Chloride
 Concen: 9.234 ppbv
 RT: 4.36 min Scan# 489
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion: 84 Resp: 540702
 Ion Ratio Lower Upper
 84 100
 49 153.4 134.1 201.1
 51 47.9 37.4 56.0
 86 61.0 52.6 78.8

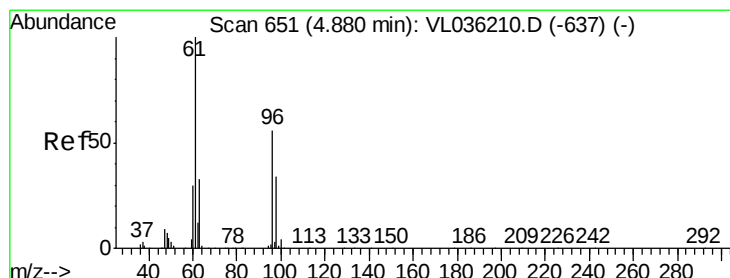
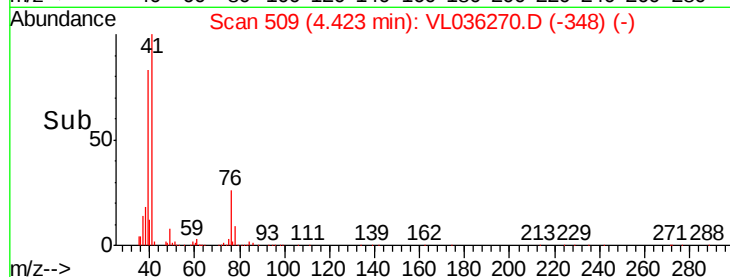
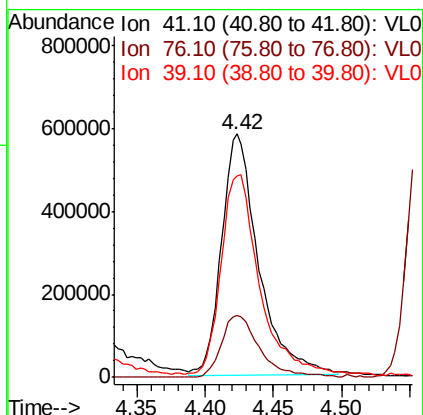
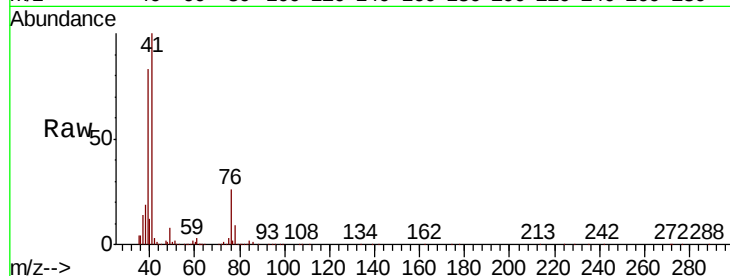




#21
Allvl Chloride
Concen: 11.071 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

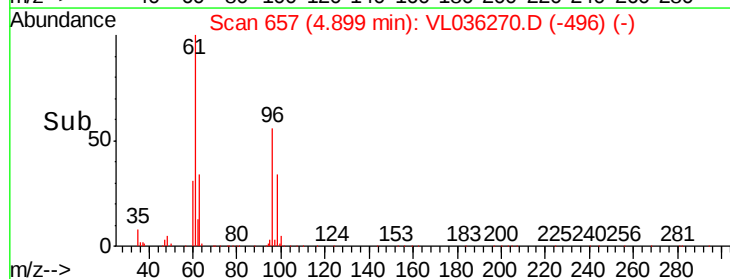
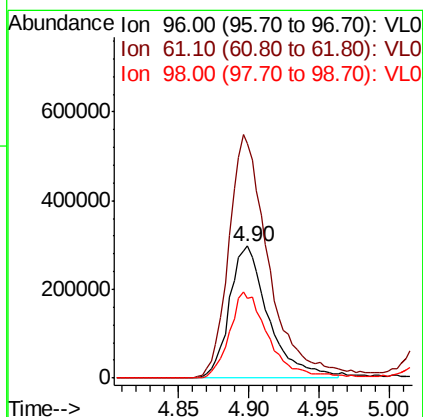
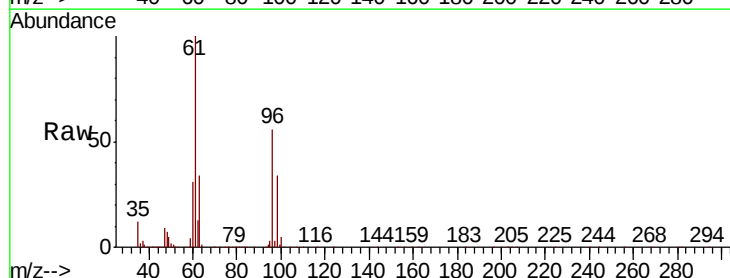
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

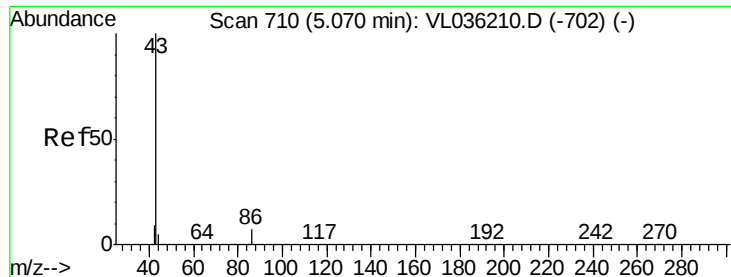
Tot Ion: 41 Resp: 1105571
Ion Ratio Lower Upper
41 100
76 26.8 20.5 30.7
39 86.2 67.8 101.8



#22
trans-1,2-Dichloroethene
Concen: 10.912 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 96 Resp: 578506
Ion Ratio Lower Upper
96 100
61 177.9 142.7 214.1
98 60.5 48.7 73.1





#23

Vinyl Acetate

Concen: 10.669 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

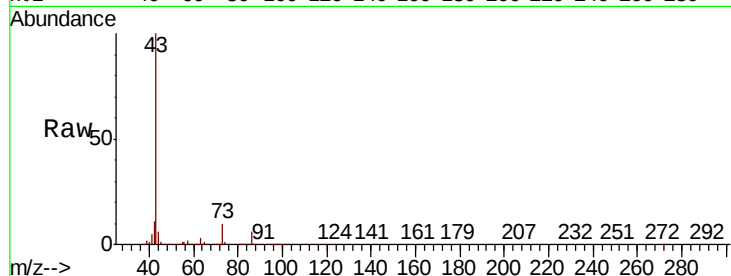
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2371747

Ion	Ratio	Lower	Upper
43	100		
86	6.0	4.9	7.3
42	10.9	7.8	11.6
44	5.7	3.7	5.5#

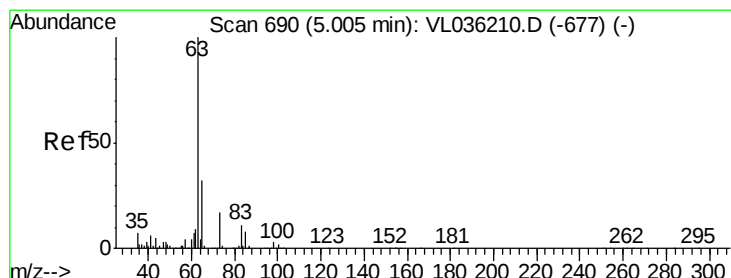
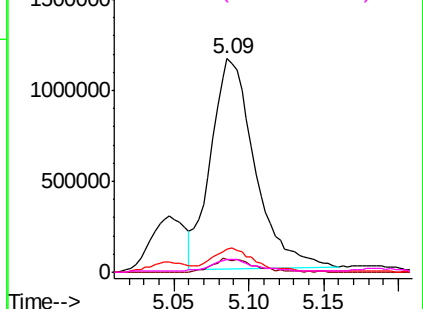
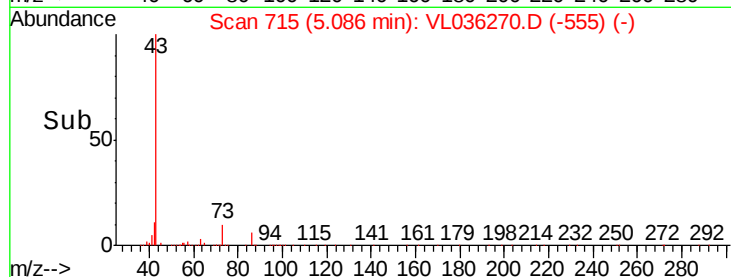


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.926 ppbv

RT: 5.02 min Scan# 696

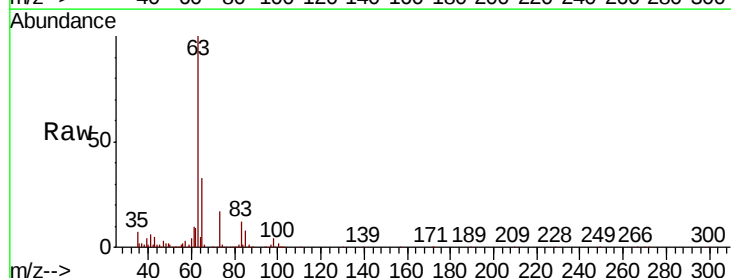
Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion: 63 Resp: 1759432

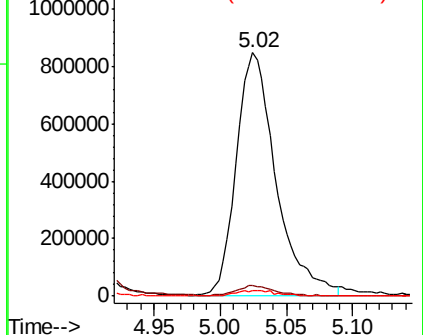
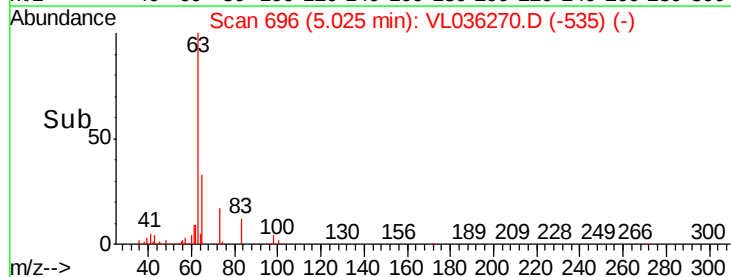
Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.7	5.1
100	2.3	1.1	3.1

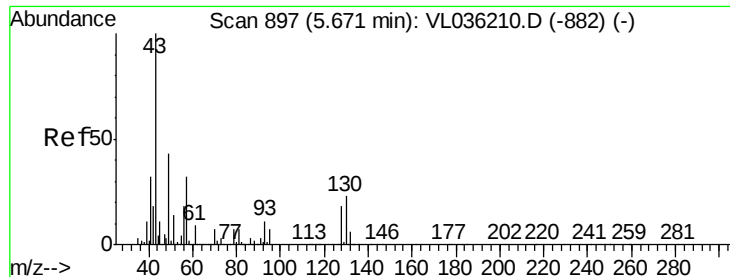


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



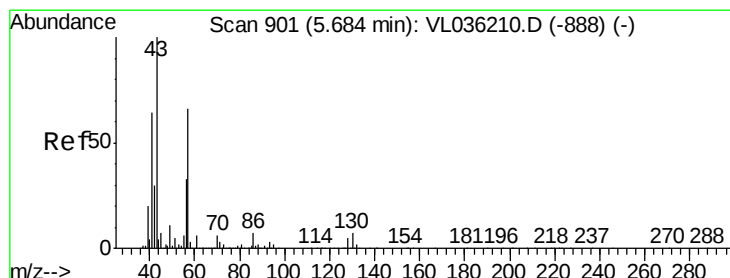
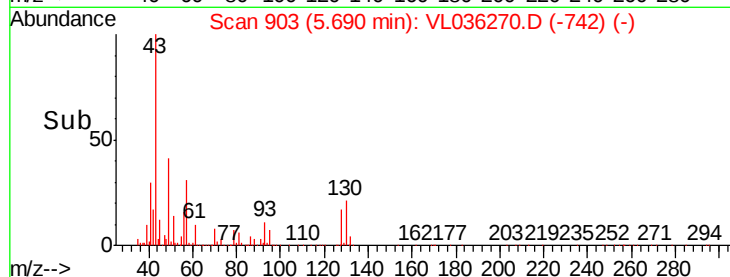
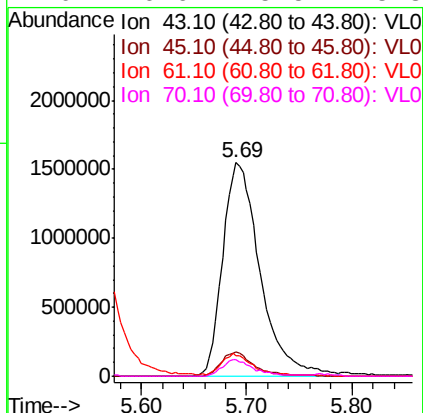
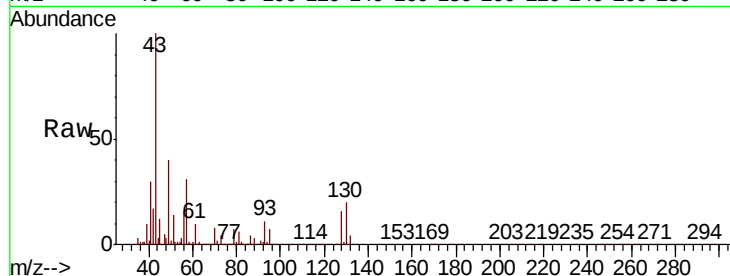


#25
Ethyl Acetate
Concen: 10.276 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 3785065

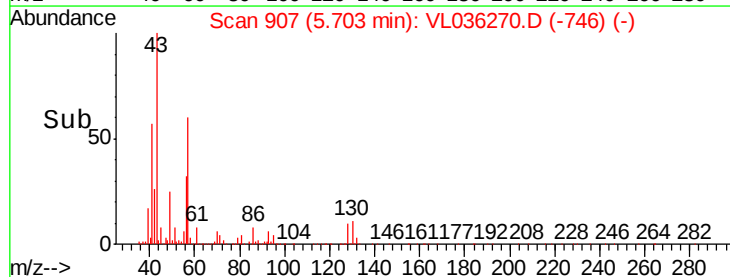
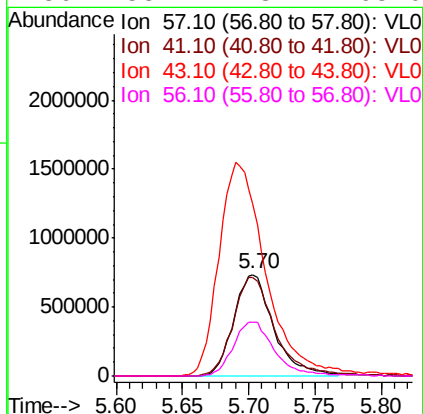
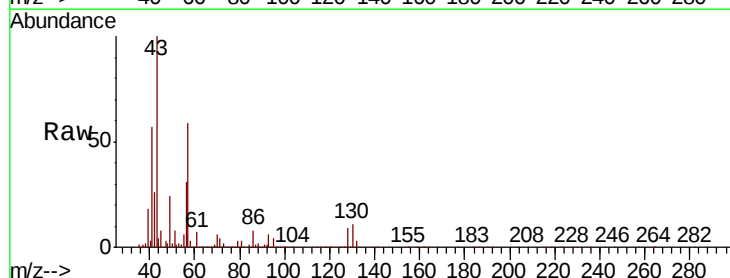
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.1	7.4	11.2
70	6.6	5.5	8.3

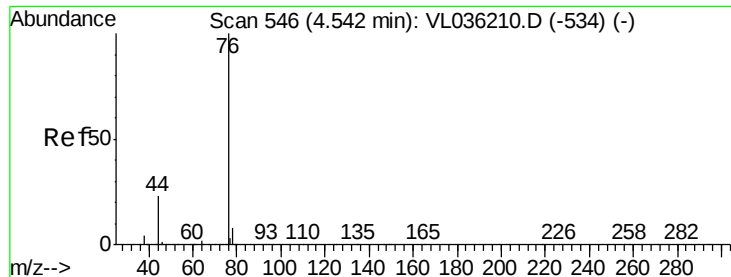


#26
Hexane
Concen: 10.028 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 57 Resp: 1537869

Ion	Ratio	Lower	Upper
57	100		
41	103.8	83.0	124.6
43	249.6	202.4	303.6
56	55.4	43.4	65.0





#27

Carbon Disulfide

Concen: 12.440 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

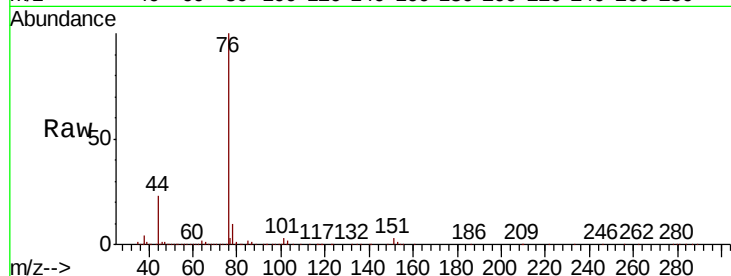
Tot Ion: 76 Resp: 1525486

Ion	Ratio	Lower	Upper
76	100		
44	23.7	19.0	28.6
78	10.0	8.0	12.0

76 100

44 23.7 19.0 28.6

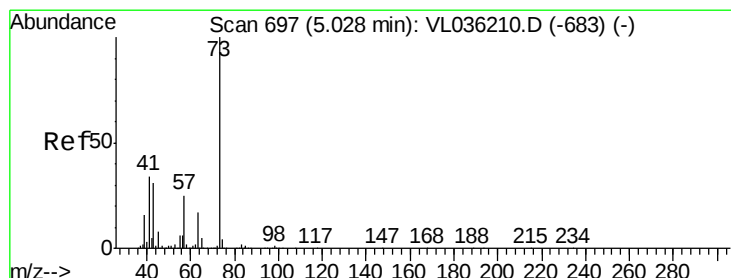
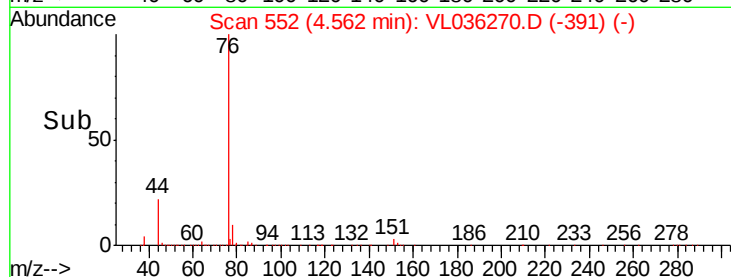
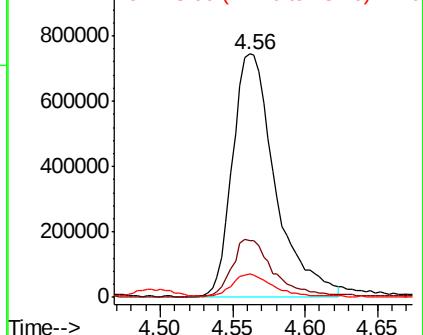
78 10.0 8.0 12.0



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: 10.032 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL036270.D

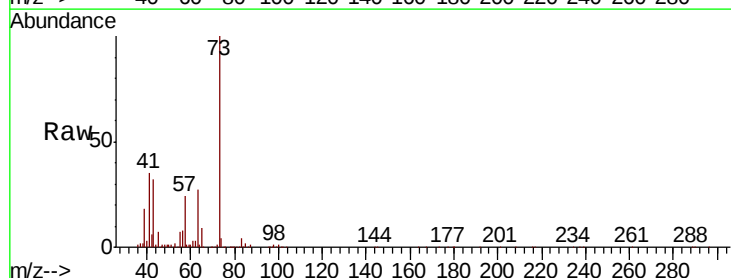
Acq: 22 Jan 2021 17:14

Tgt Ion: 73 Resp: 2080507

Ion	Ratio	Lower	Upper
73	100		
57	24.2	20.4	30.6

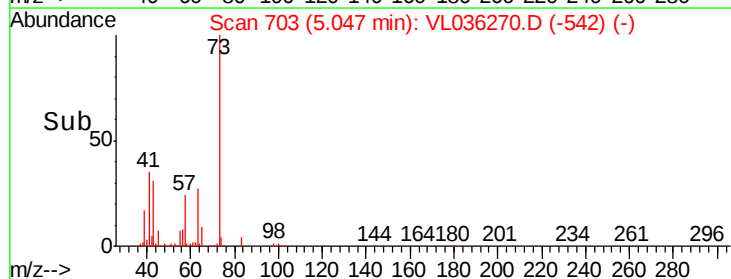
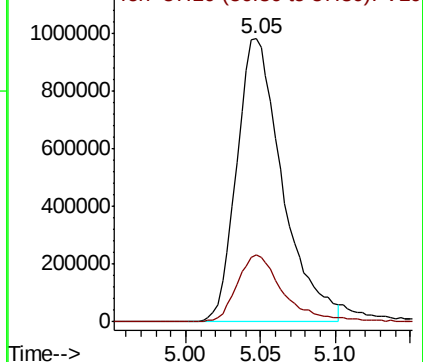
73 100

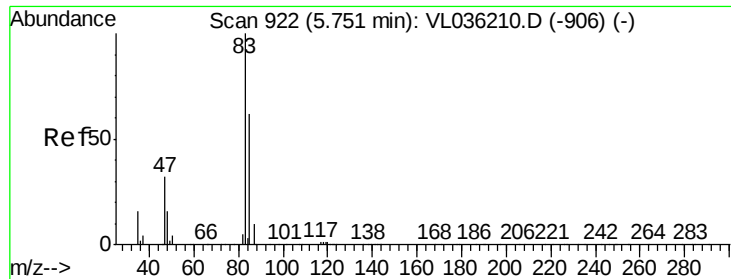
57 24.2 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.225 ppbv

RT: 5.77 min Scan# 928

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

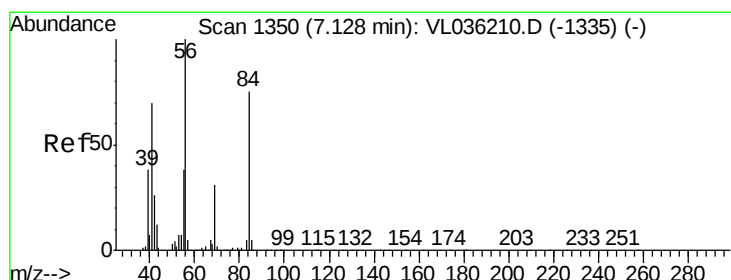
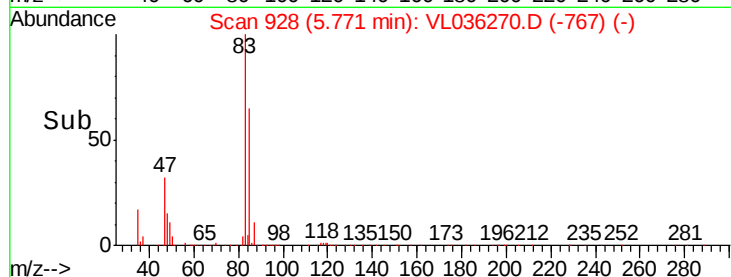
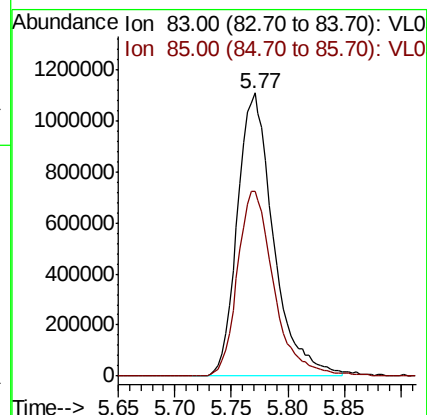
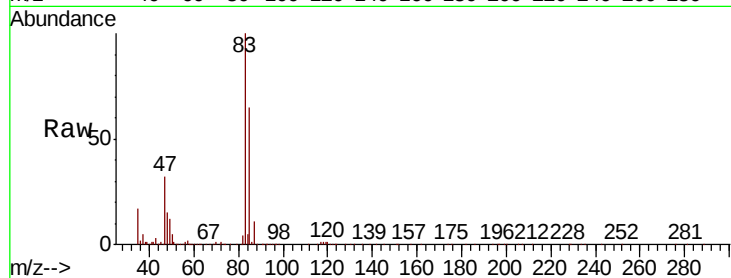
VSTDCCC010EC

Tot Ion: 83 Resp: 2464668

Ion Ratio Lower Upper

83 100

85 65.3 49.3 73.9



#30

Cyclohexane

Concen: 10.772 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

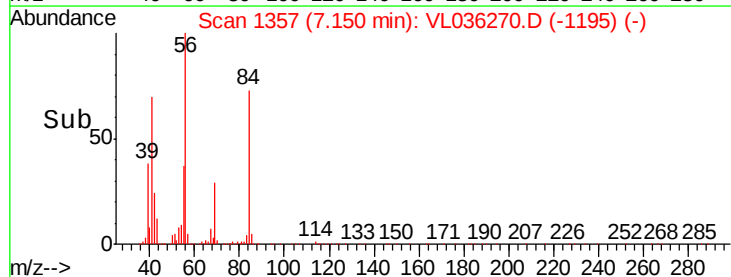
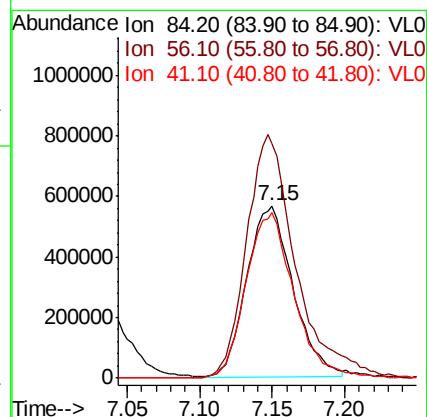
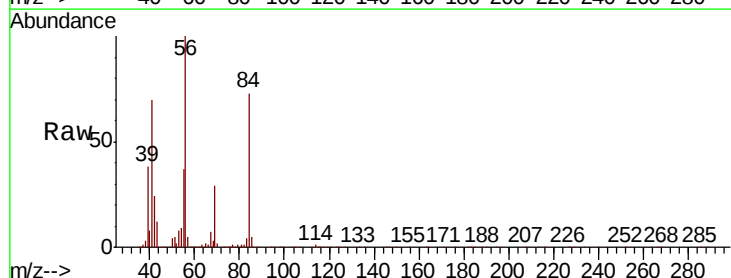
Tgt Ion: 84 Resp: 1262334

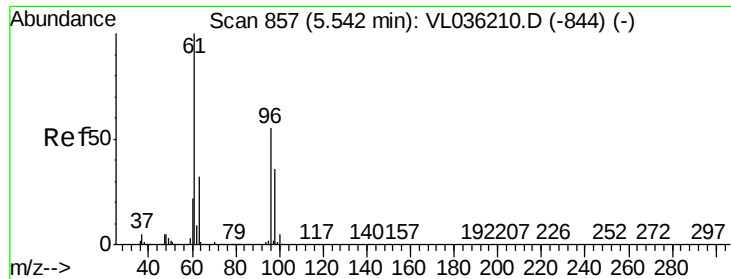
Ion Ratio Lower Upper

84 100

56 151.8 119.4 179.0

41 99.9 79.4 119.0



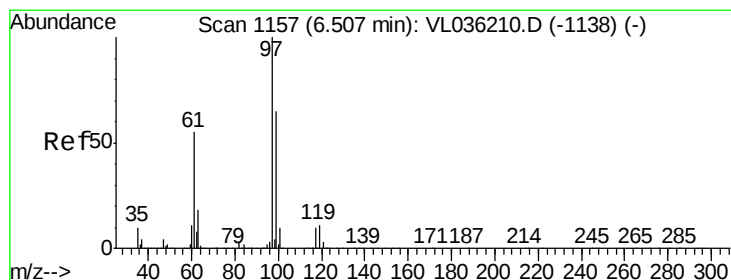
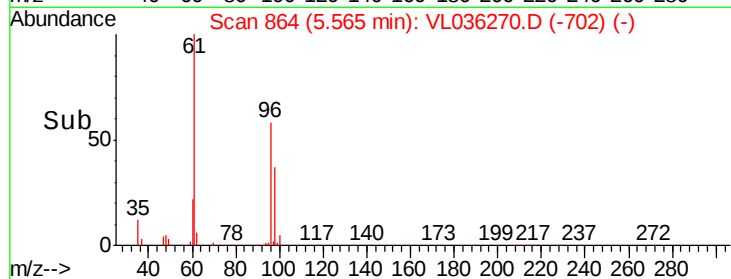
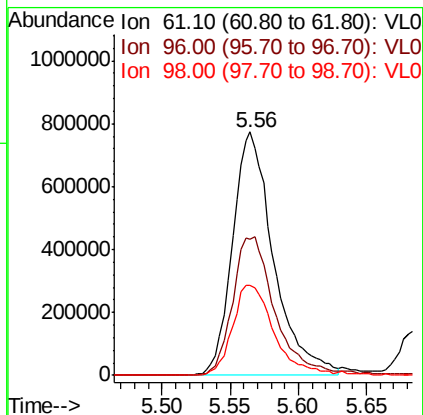
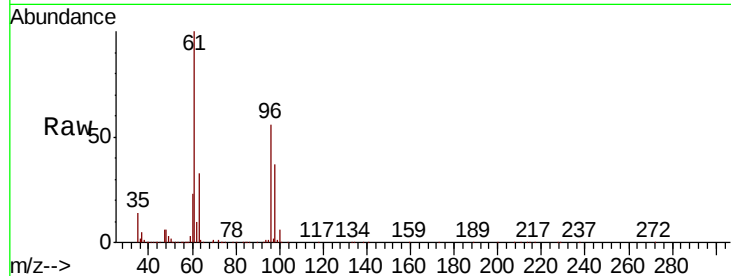


#31

cis-1,2-Dichloroethene
 Concen: 10.996 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

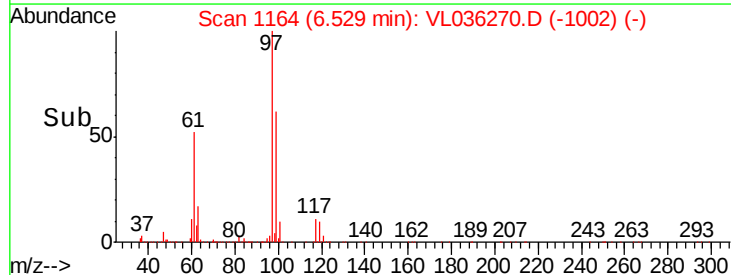
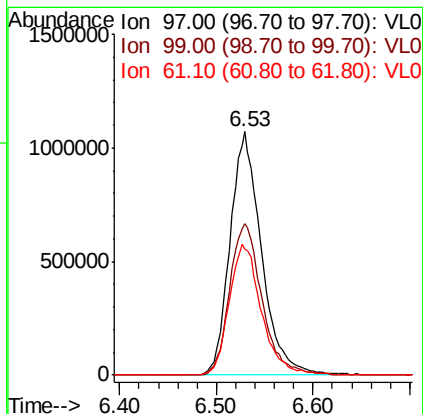
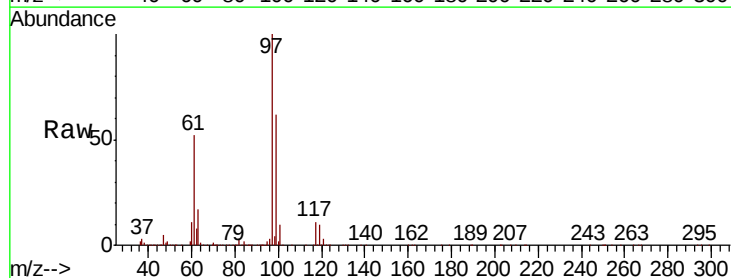
Tot Ion: 61 Resp: 1611704
 Ion Ratio Lower Upper
 61 100
 96 55.6 44.1 66.1
 98 37.1 28.6 42.8

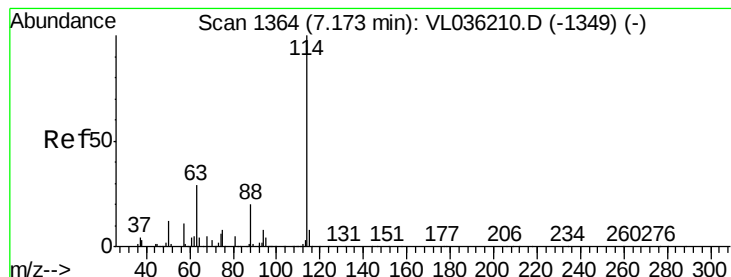


#32

1,1,1-Trichloroethane
 Concen: 11.376 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion: 97 Resp: 2415974
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 55.6 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

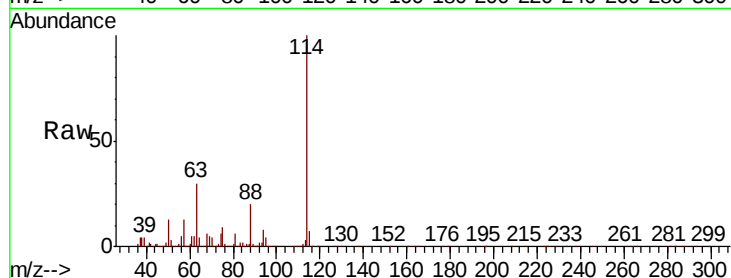
Tot Ion:114 Resp: 3393246

Ion Ratio Lower Upper

114 100

63 31.2 24.7 37.1

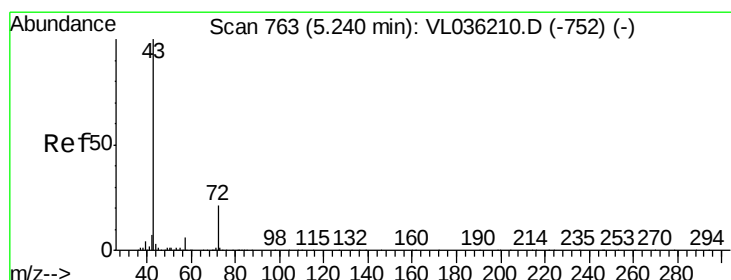
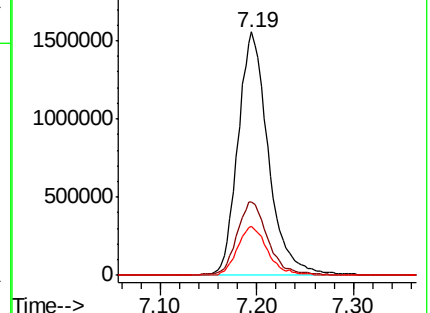
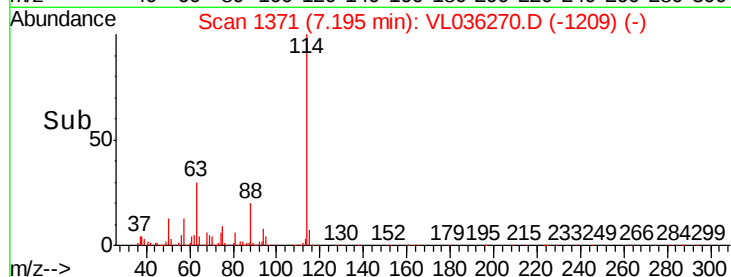
88 20.4 16.6 24.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.556 ppbv

RT: 5.26 min Scan# 768

Delta R.T. 0.02 min

Lab File: VL036270.D

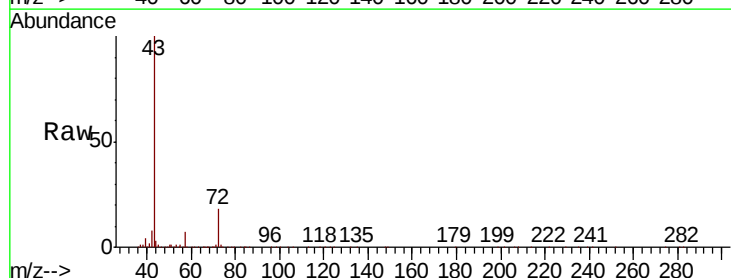
Acq: 22 Jan 2021 17:14

Tgt Ion: 43 Resp: 2387878

Ion Ratio Lower Upper

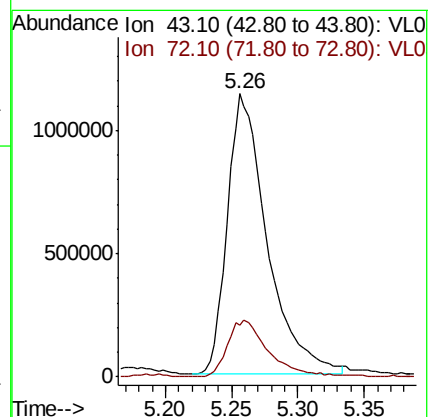
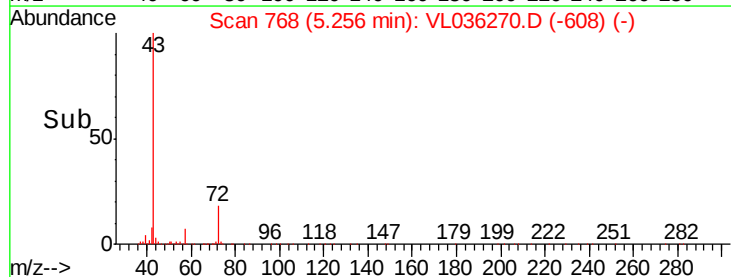
43 100

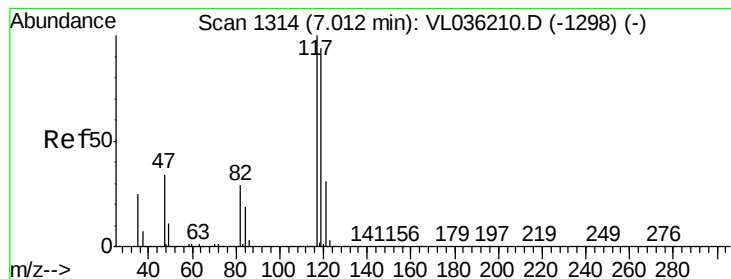
72 20.4 16.1 24.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.297 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

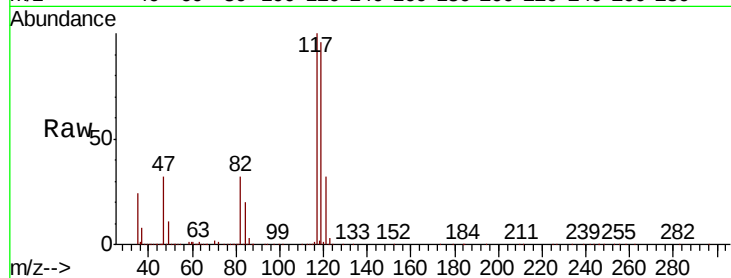
Tot Ion:117 Resp: 2421901

Ion Ratio Lower Upper

117 100

119 95.5 74.9 112.3

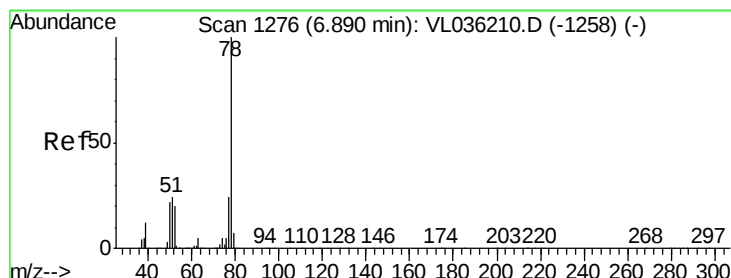
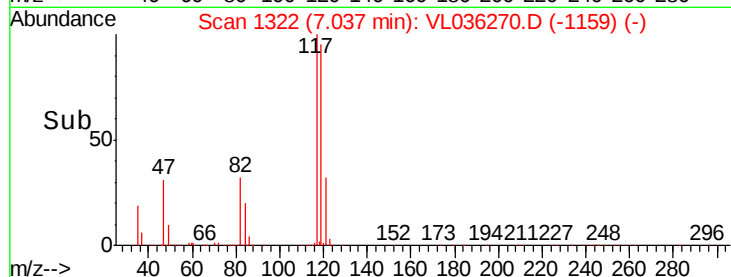
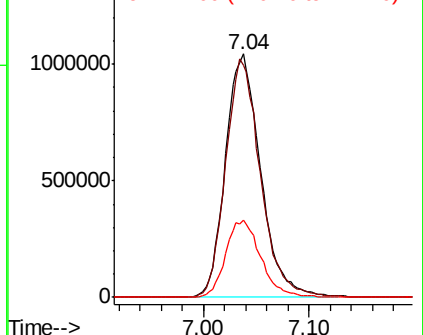
121 31.7 25.0 37.6



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: 10.204 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

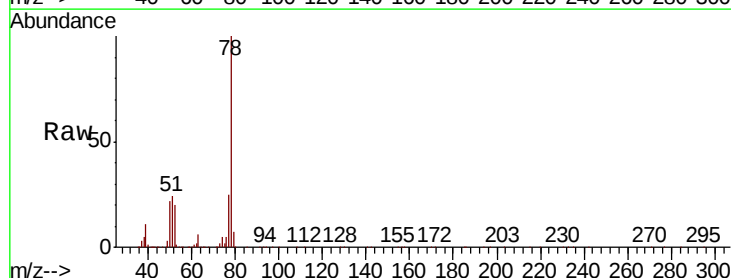
Tgt Ion: 78 Resp: 3172665

Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0

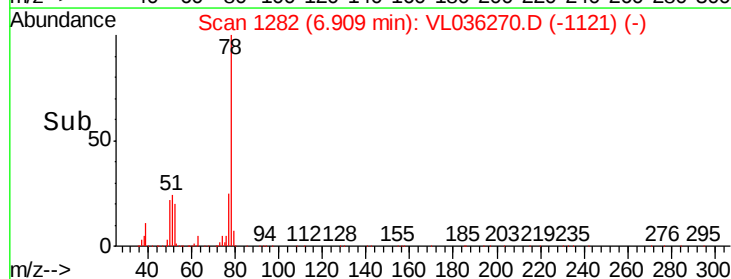
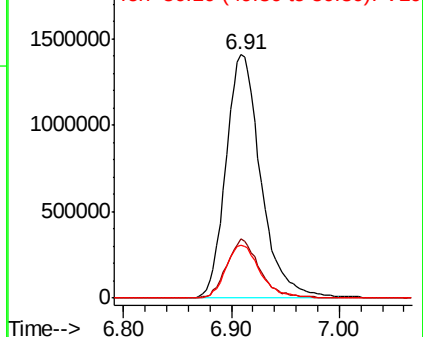
50 21.8 17.4 26.2

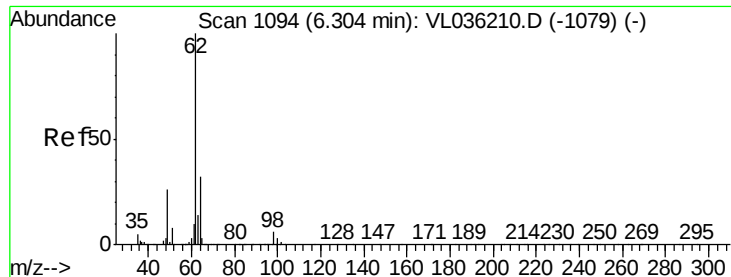


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.892 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

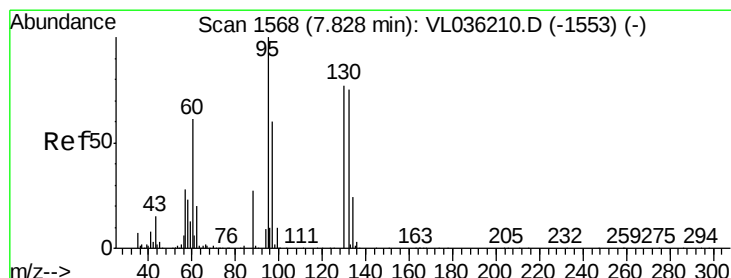
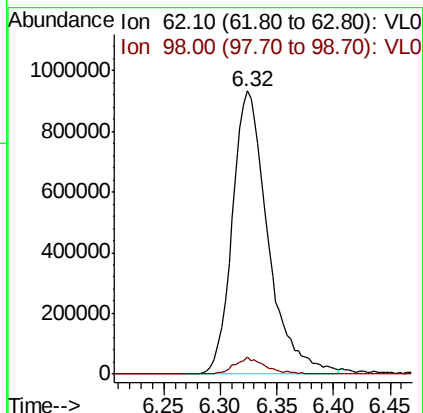
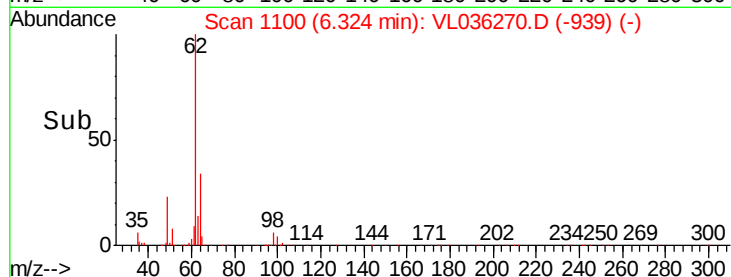
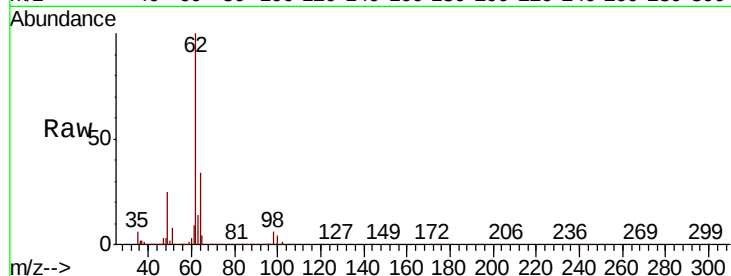
VSTDCCC010EC

Tot Ion: 62 Resp: 2037865

Ion Ratio Lower Upper

62 100

98 5.3 4.4 6.6



#38

Trichloroethene

Concen: 8.966 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion:130 Resp: 1032481

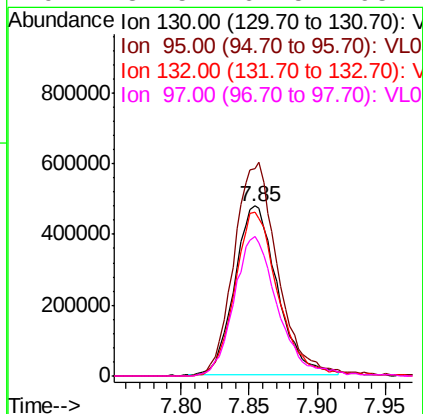
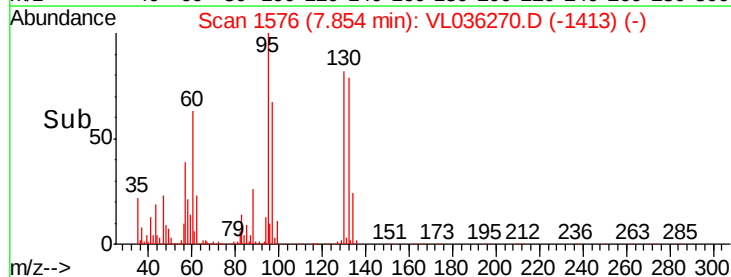
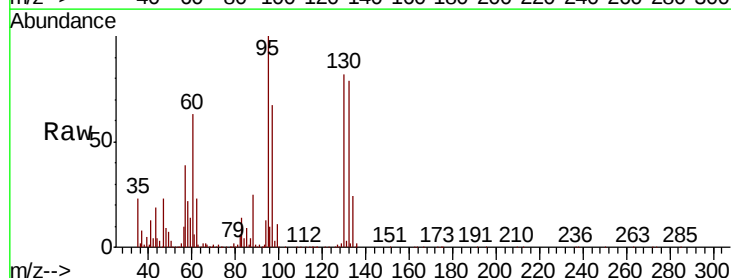
Ion Ratio Lower Upper

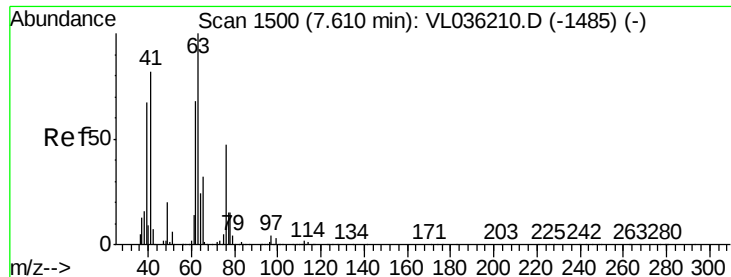
130 100

95 123.4 103.9 155.9

132 97.0 77.4 116.2

97 82.5 62.5 93.7





#39

1,2-Dichloropropane

Concen: 5.952 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

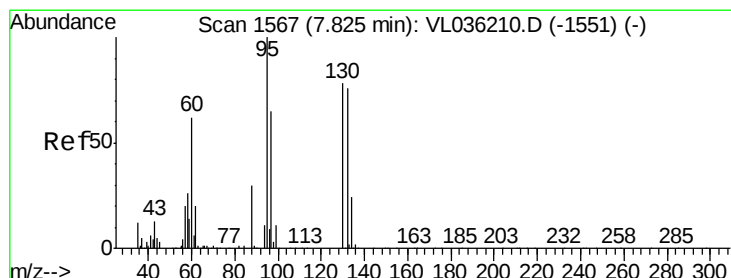
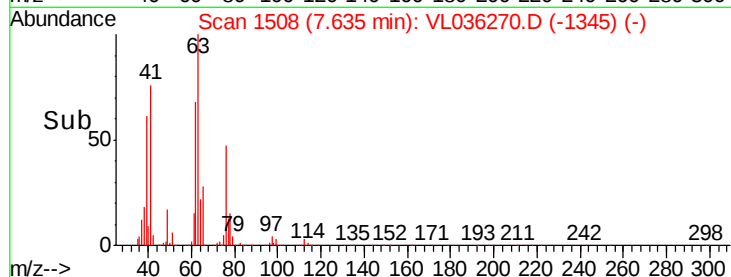
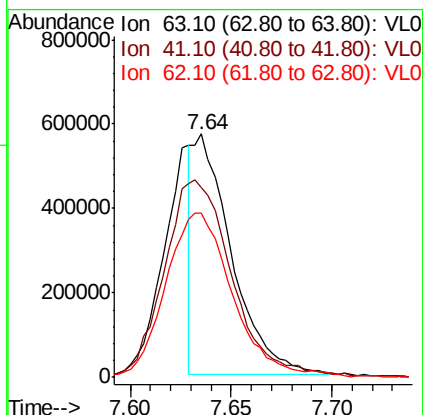
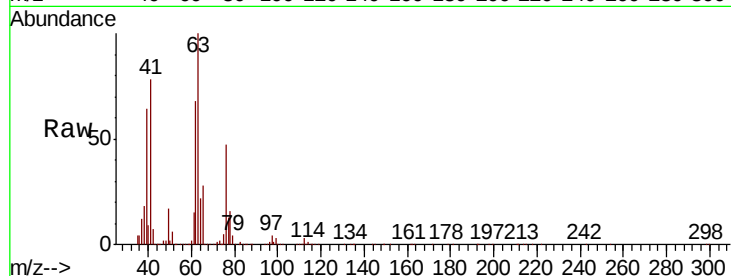
Tot Ion: 63 Resp: 751418

Ion Ratio Lower Upper

63 100

41 77.5 66.1 99.1

62 67.1 54.8 82.2



#40

1,4-Dioxane

Concen: 8.029 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion: 88 Resp: 366669

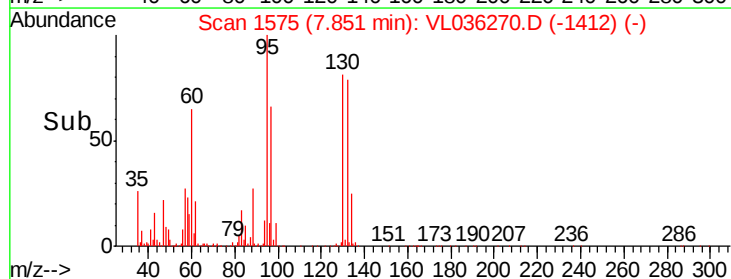
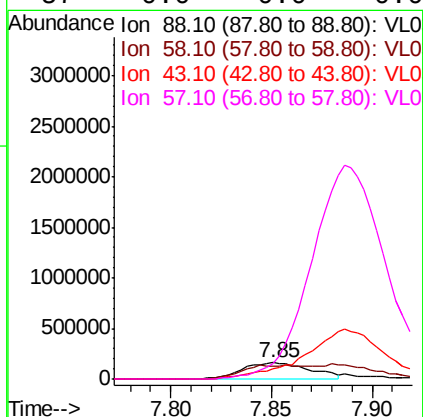
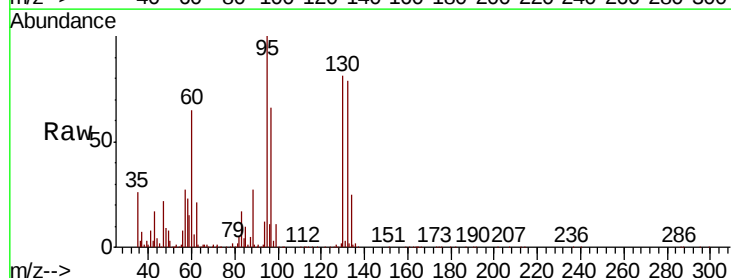
Ion Ratio Lower Upper

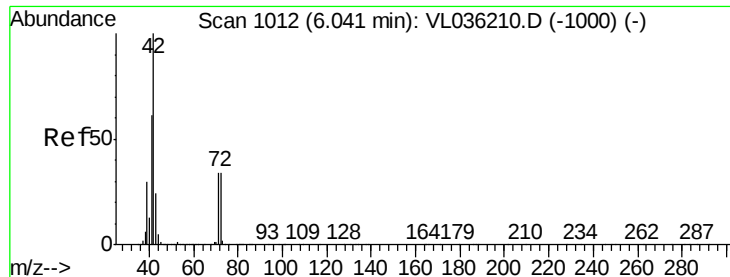
88 100

58 0.0 123.0 184.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.975 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

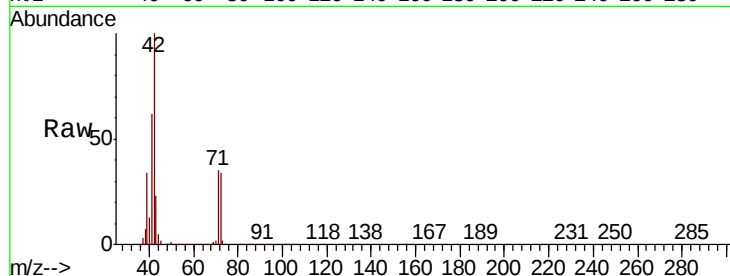
Tot Ion: 42 Resp: 1440564

Ion Ratio Lower Upper

42 100

72 34.8 29.5 44.3

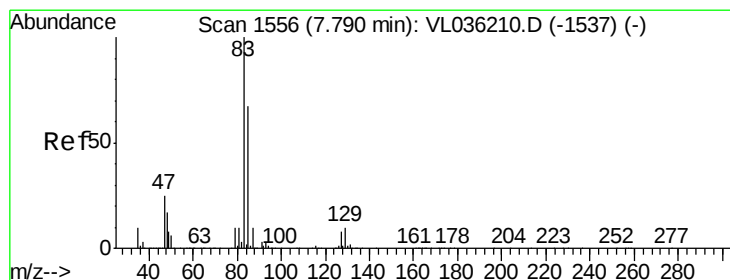
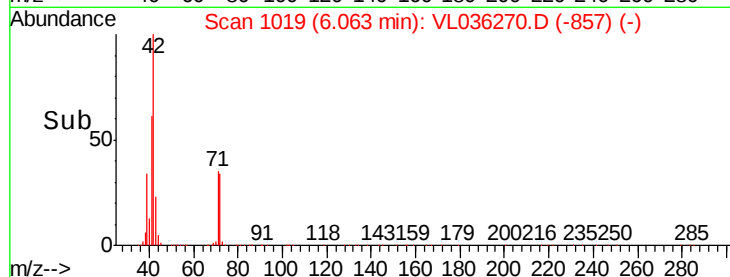
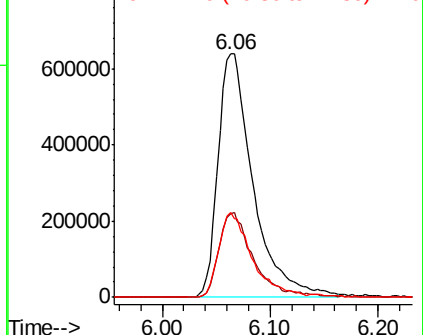
71 34.2 29.1 43.7



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: 11.190 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

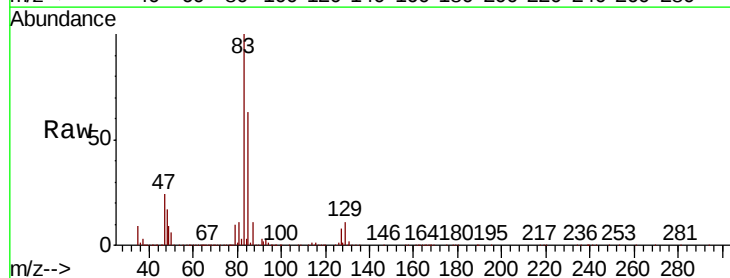
Tgt Ion: 83 Resp: 2631441

Ion Ratio Lower Upper

83 100

85 63.3 53.4 80.2

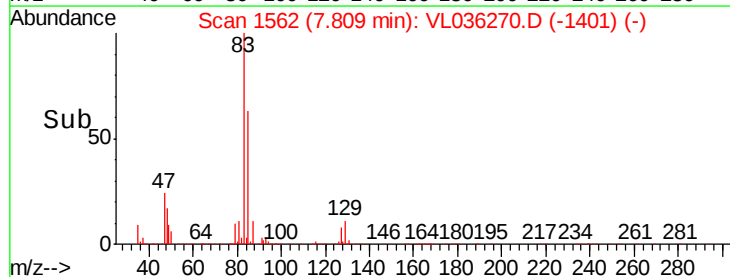
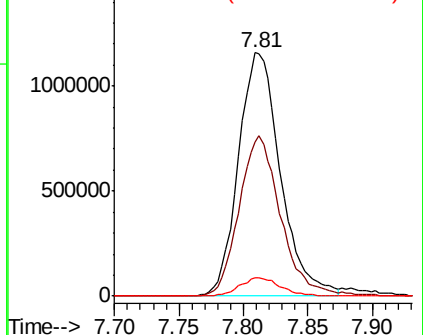
127 7.6 6.2 9.2

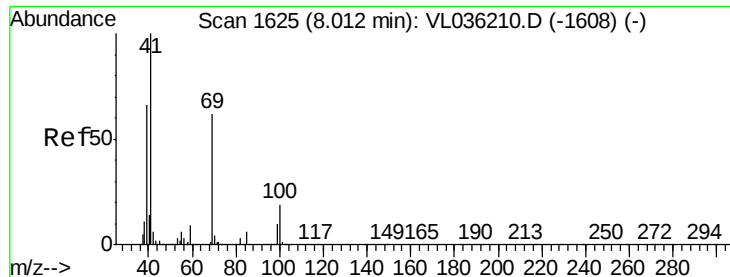


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

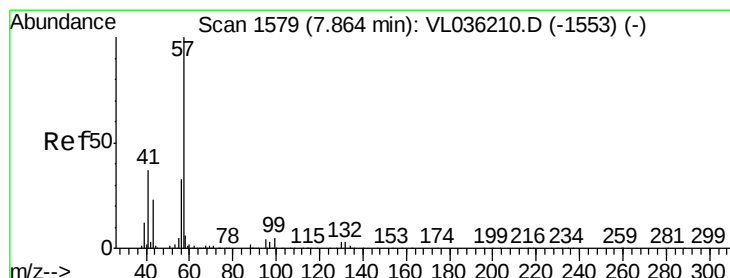
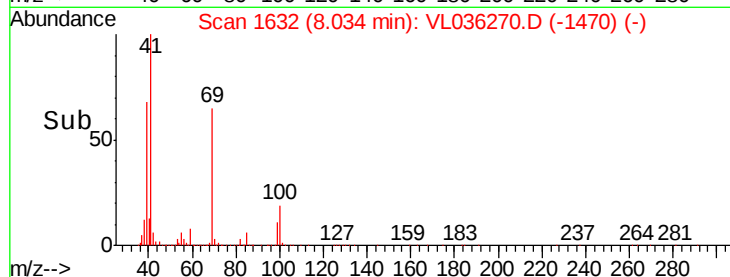
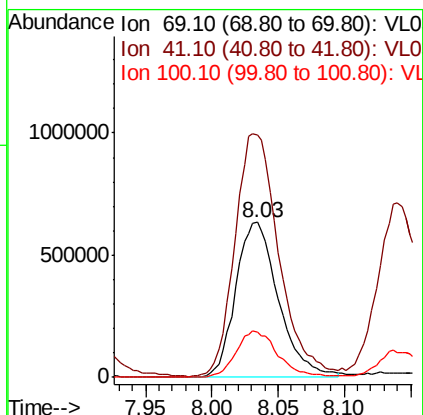
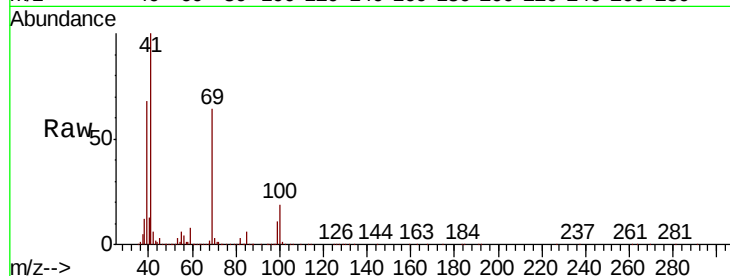




#43
Methvl Methacrilate
Concen: 10.781 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

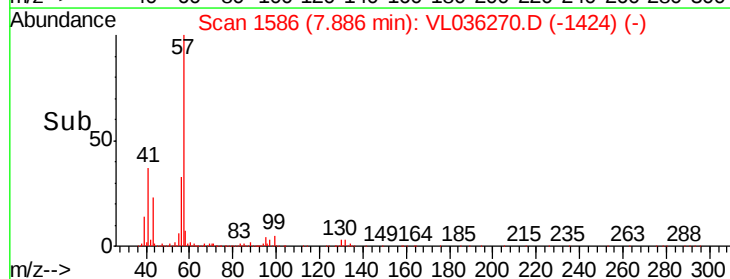
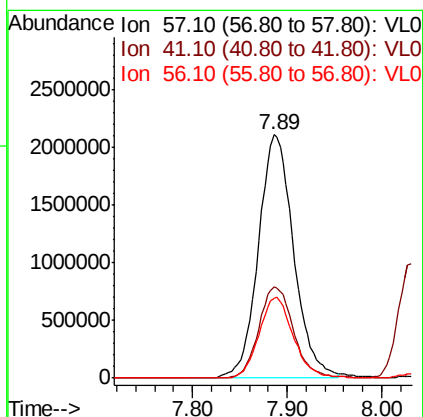
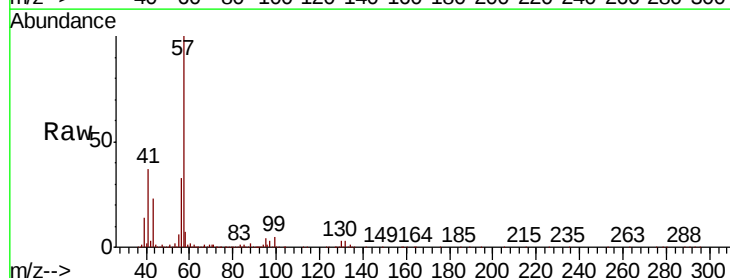
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

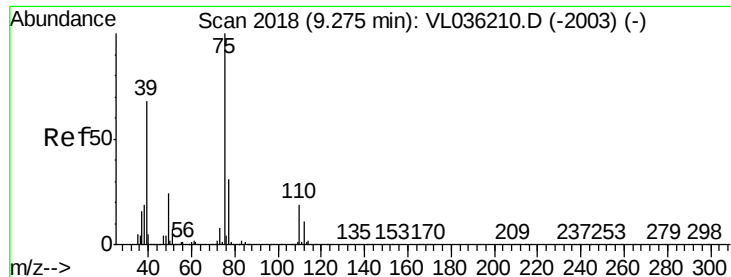
Tot Ion: 69 Resp: 1424528
Ion Ratio Lower Upper
69 100
41 161.5 133.4 200.2
100 29.3 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 9.574 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 57 Resp: 5467640
Ion Ratio Lower Upper
57 100
41 37.0 28.5 42.7
56 32.4 25.5 38.3

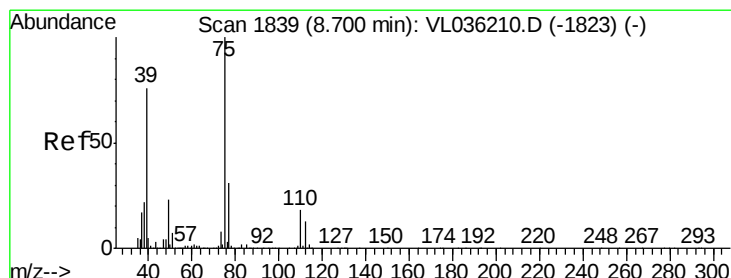
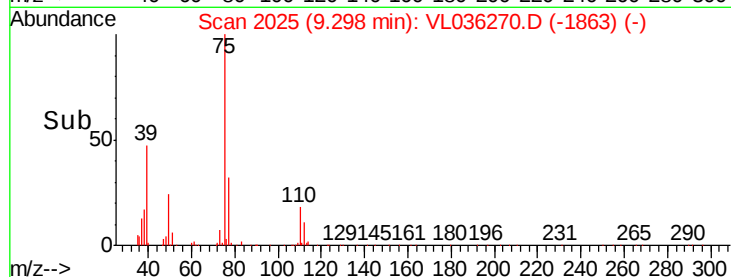
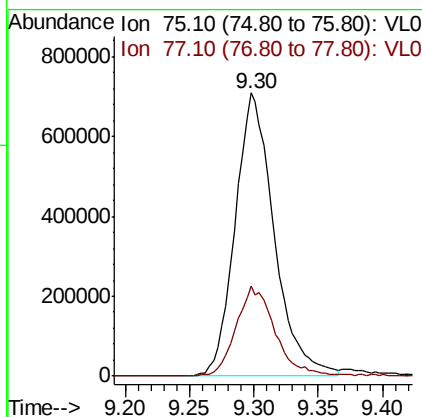
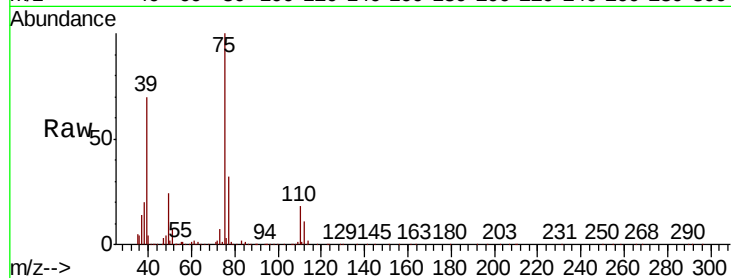




#45
t-1,3-Dichloropropene
Concen: 11.875 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

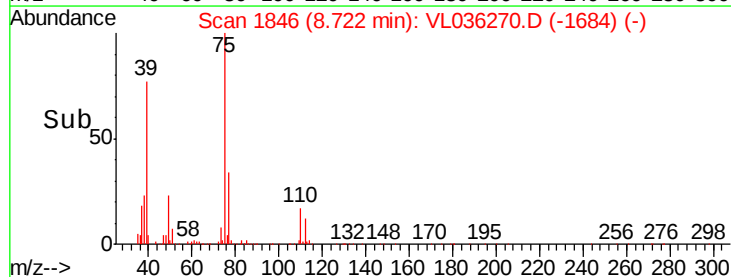
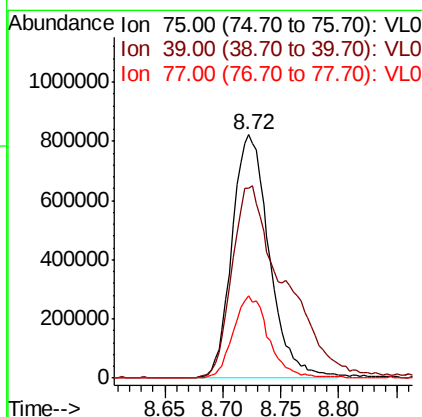
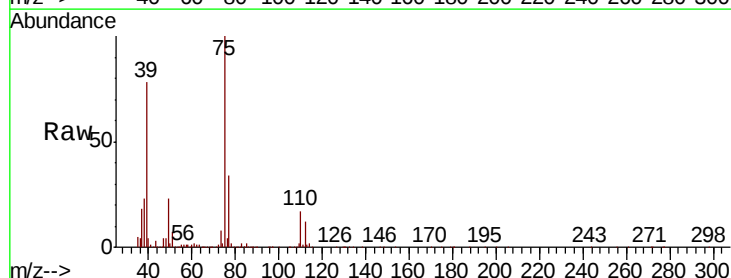
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

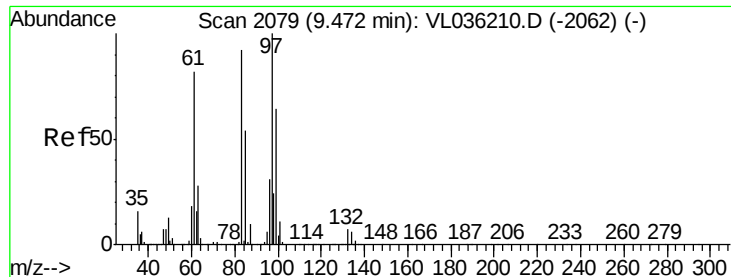
Tot Ion: 75 Resp: 1490253
Ion Ratio Lower Upper
75 100
77 32.0 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 11.322 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 75 Resp: 1825897
Ion Ratio Lower Upper
75 100
39 77.8 61.2 91.8
77 33.7 24.6 37.0

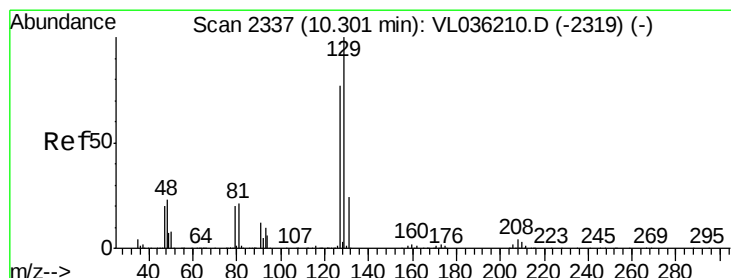
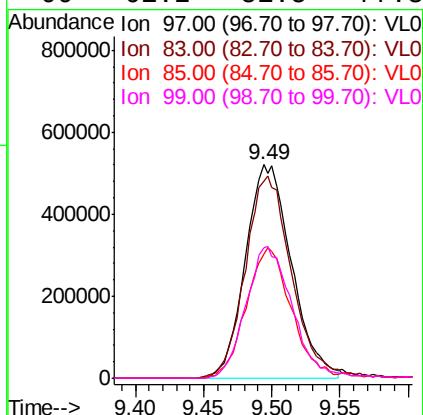
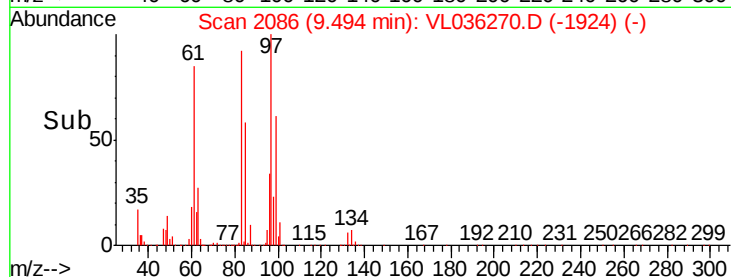
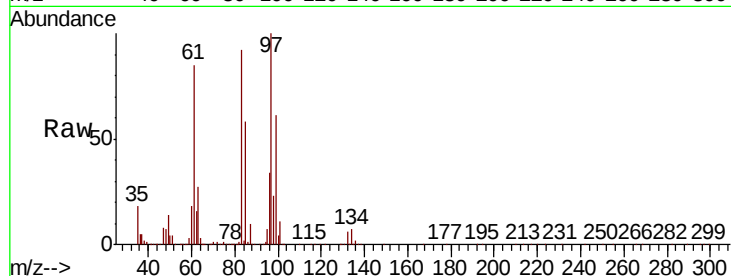




#47
1,1,2-Trichloroethane
Concen: 10.104 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

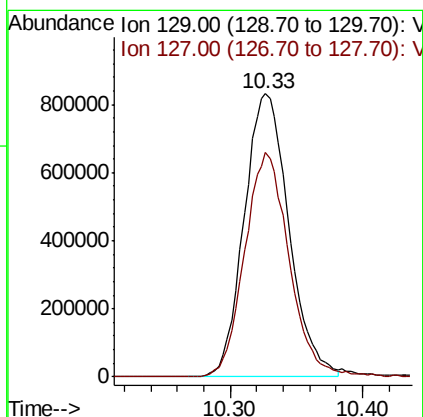
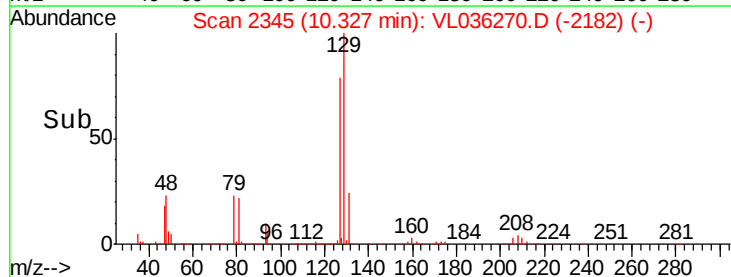
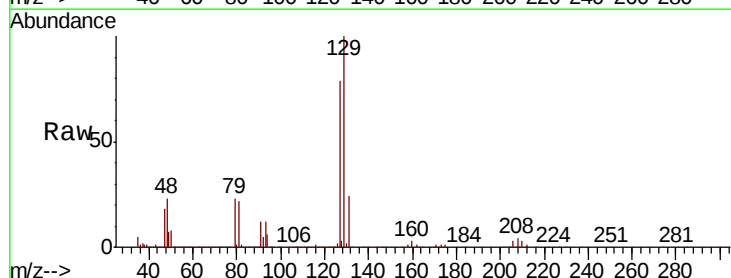
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

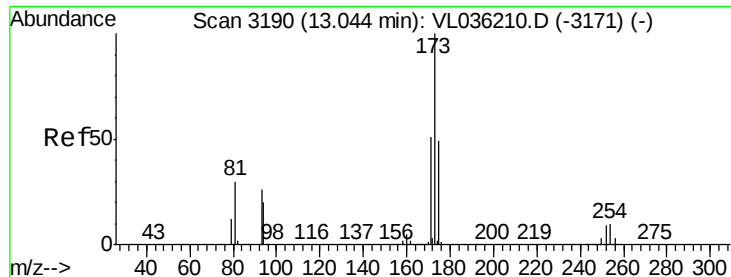
Tot Ion: 97 Resp: 1220190
Ion Ratio Lower Upper
97 100
83 92.2 73.3 109.9
85 58.1 43.2 64.8
99 61.2 51.5 77.3



#48
Dibromochloromethane
Concen: 11.071 ppbv
RT: 10.33 min Scan# 2345
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion:129 Resp: 1956028
Ion Ratio Lower Upper
129 100
127 79.5 39.6 118.8





#49

Bromoform

Concen: 10.279 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

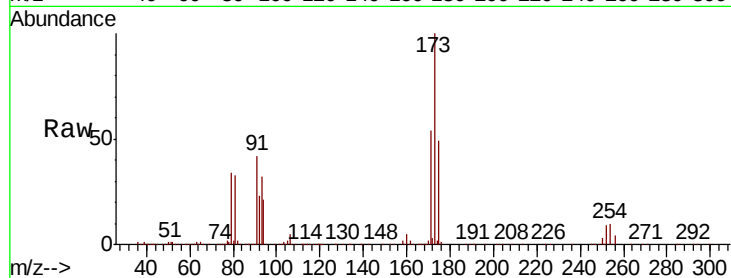
Tot Ion:173 Resp: 1515979

Ion Ratio Lower Upper

173 100

175 50.3 40.7 61.1

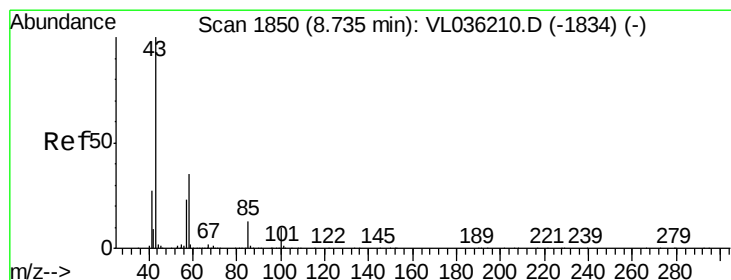
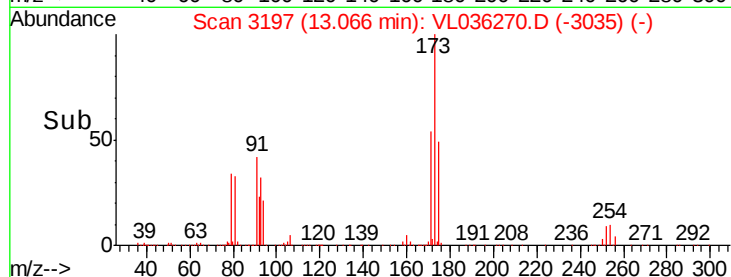
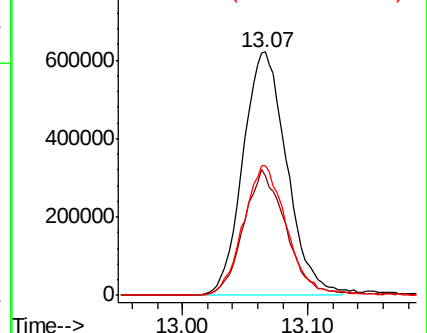
171 53.7 43.0 64.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.031 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.03 min

Lab File: VL036270.D

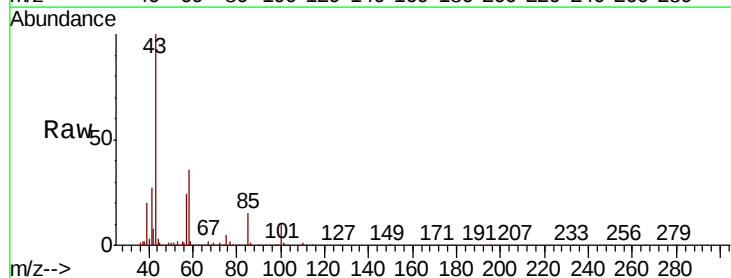
Acq: 22 Jan 2021 17:14

Tgt Ion: 43 Resp: 3737371

Ion Ratio Lower Upper

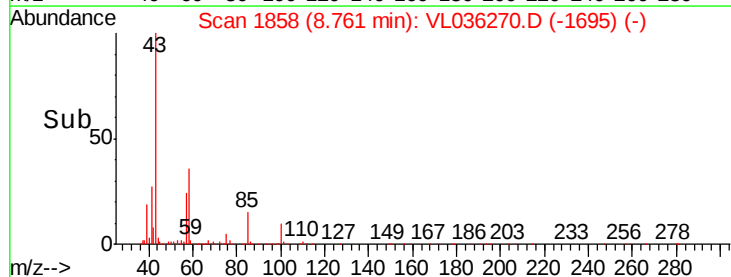
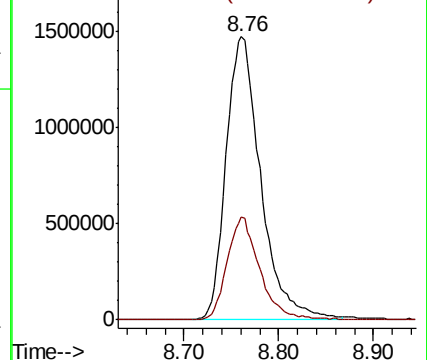
43 100

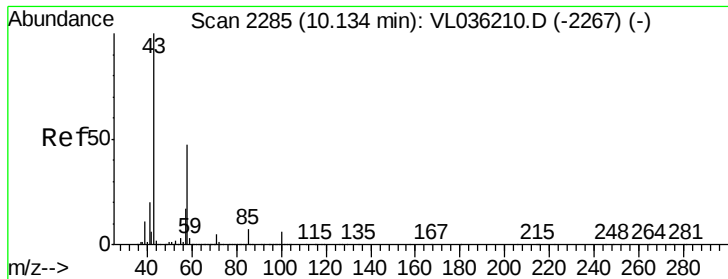
58 34.7 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

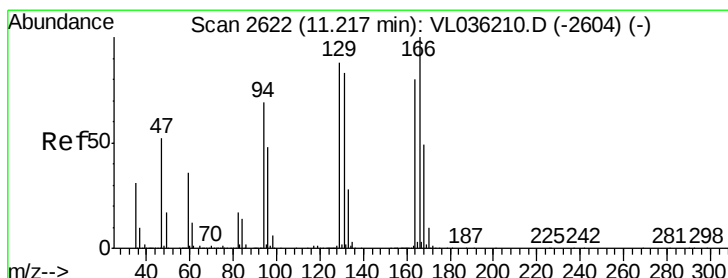
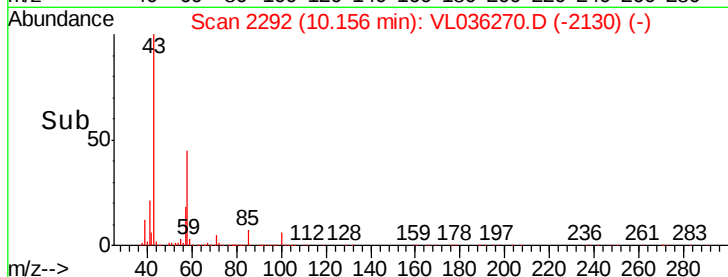
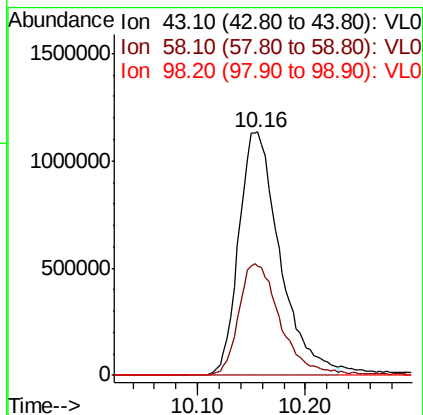
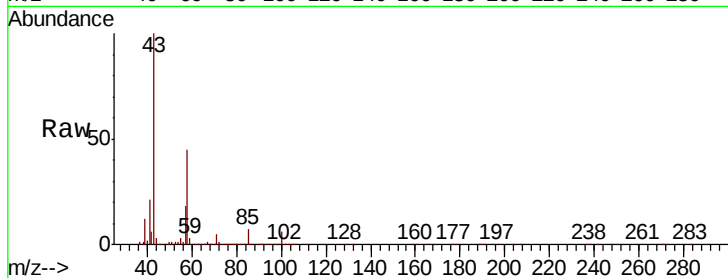




#51
2-Hexanone
Concen: 10.229 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

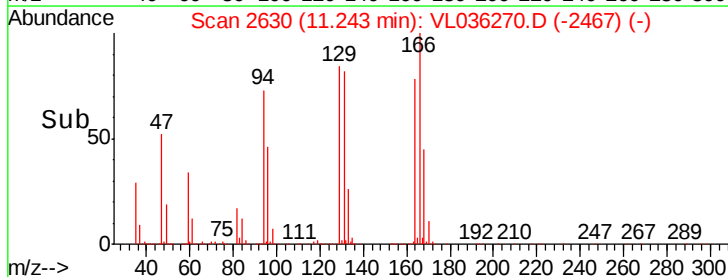
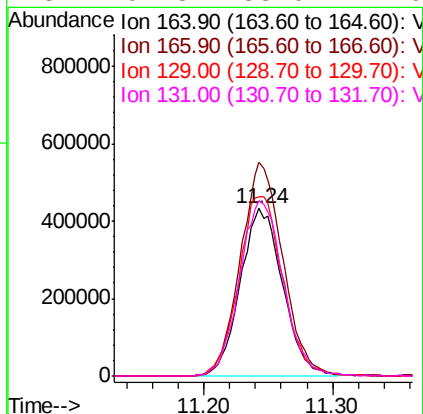
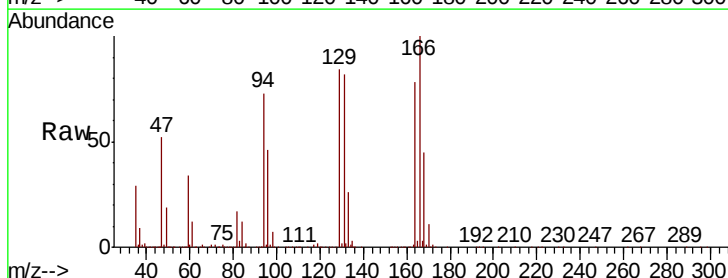
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

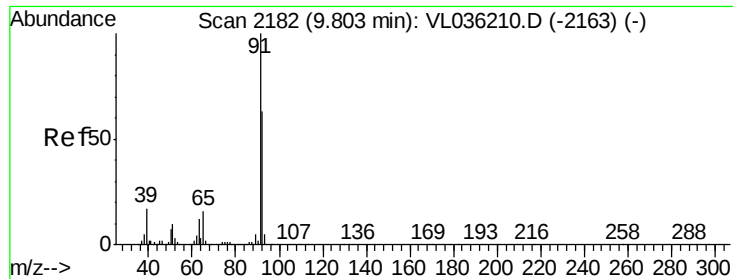
Tot Ion: 43 Resp: 3006777
Ion Ratio Lower Upper
43 100
58 47.2 37.4 56.0
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.646 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 164 Resp: 990557
Ion Ratio Lower Upper
164 100
166 127.7 99.9 149.9
129 106.6 88.2 132.4
131 104.8 83.0 124.6





#53

Toluene

Concen: 9.879 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

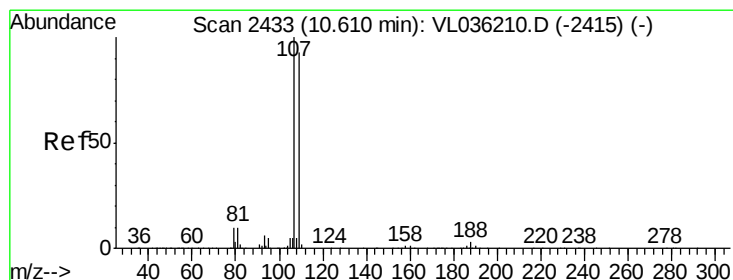
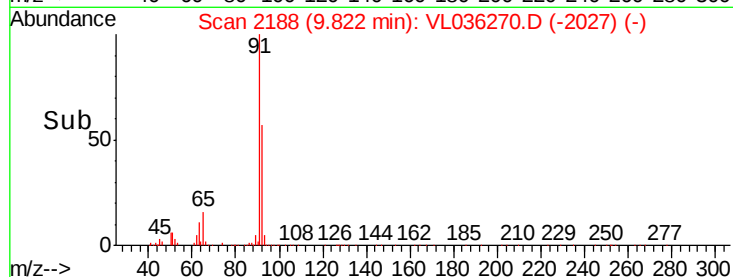
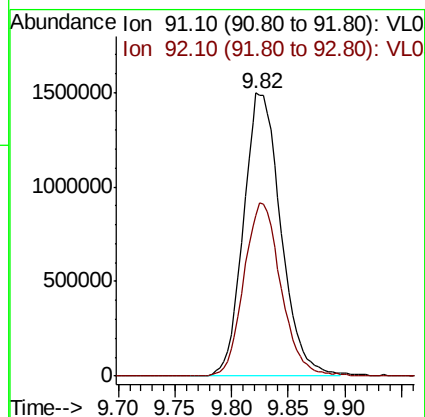
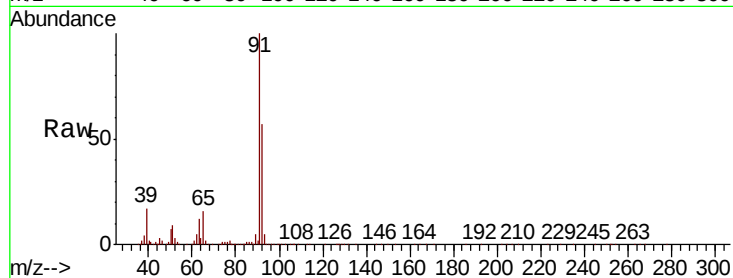
VSTDCCC010EC

Tot Ion: 91 Resp: 3435890

Ion Ratio Lower Upper

91 100

92 61.1 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.075 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.02 min

Lab File: VL036270.D

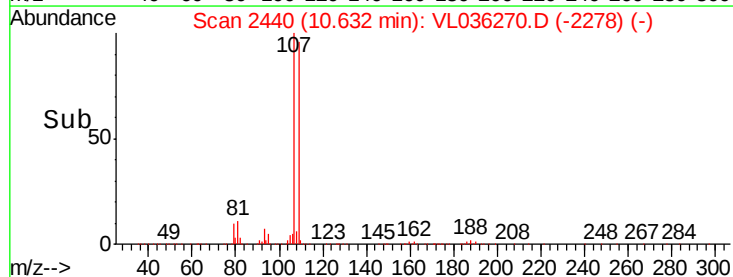
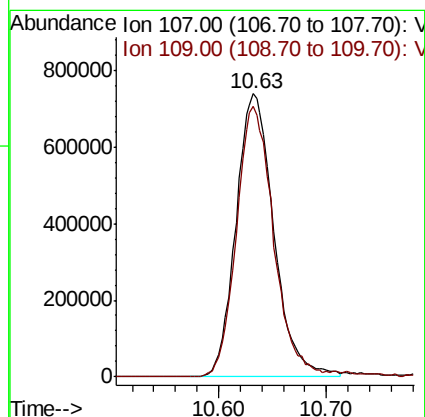
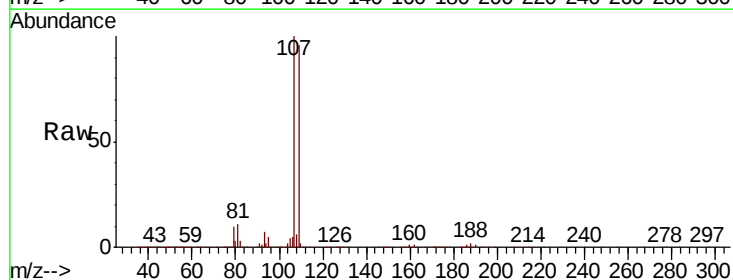
Acq: 22 Jan 2021 17:14

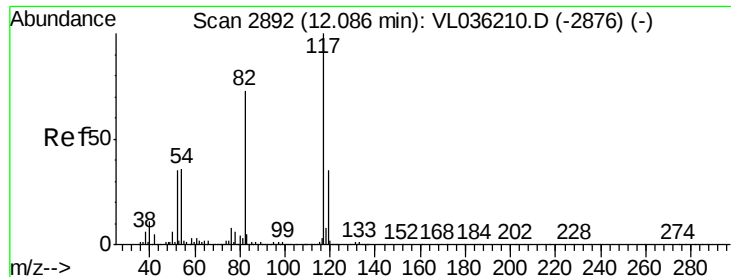
Tgt Ion: 107 Resp: 1803557

Ion Ratio Lower Upper

107 100

109 95.7 74.5 111.7

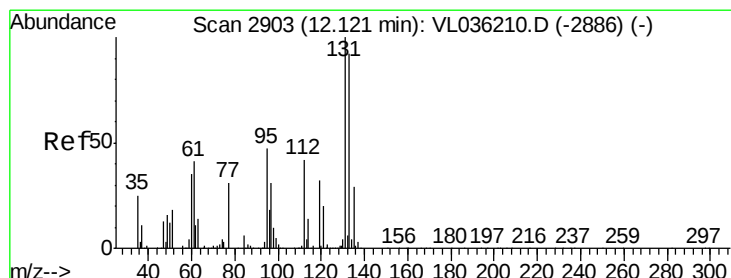
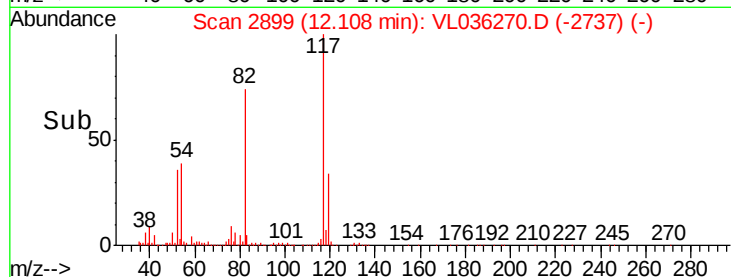
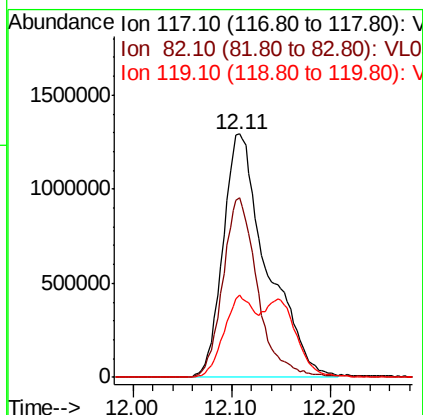
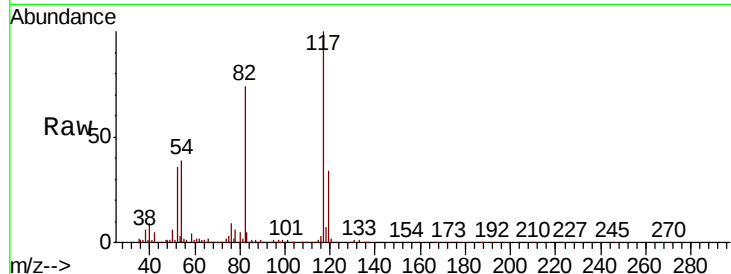




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

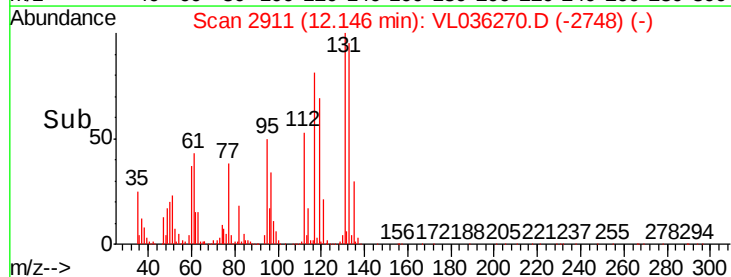
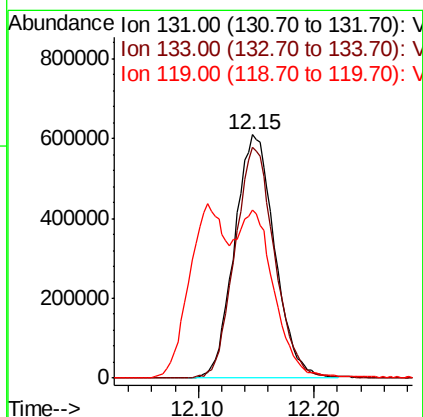
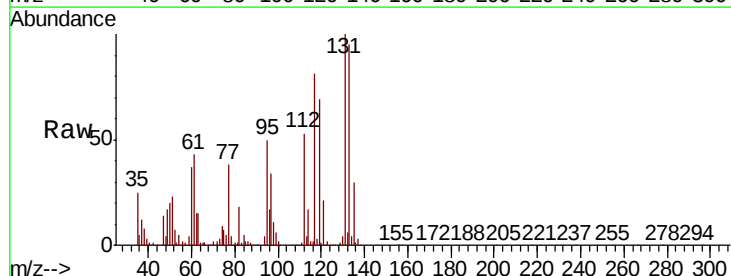
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

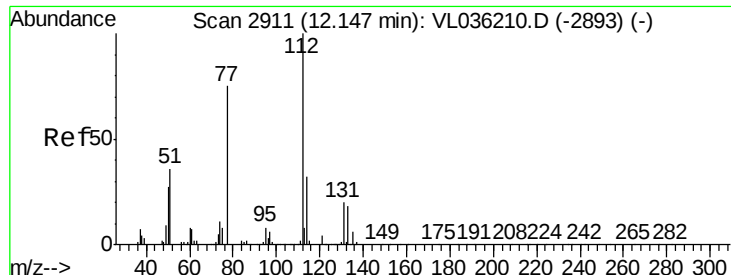
Tot Ion:117 Resp: 4000518
Ion Ratio Lower Upper
117 100
82 59.2 59.7 89.5#
119 22.2 28.6 43.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.195 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion:131 Resp: 1463055
Ion Ratio Lower Upper
131 100
133 94.2 76.5 114.7
119 70.4 45.4 68.0#

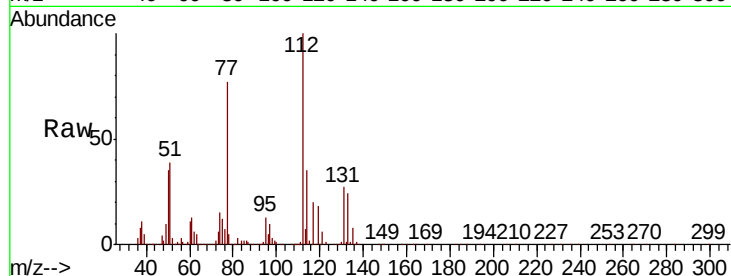




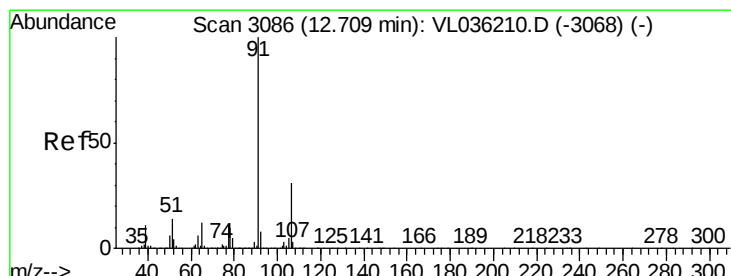
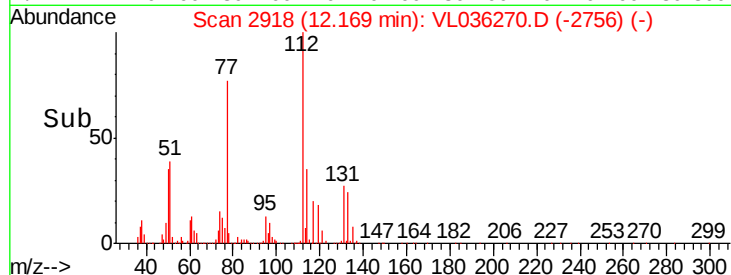
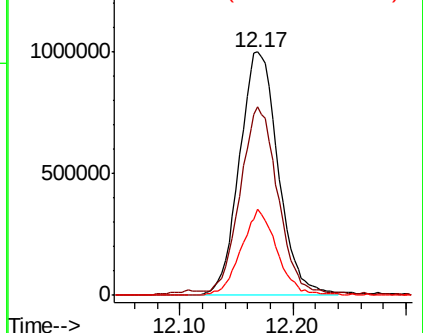
#57
Chlorobenzene
Concen: 7.617 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 2390630
Ion Ratio Lower Upper
112 100
77 76.4 59.6 89.4
114 35.0 28.7 35.1

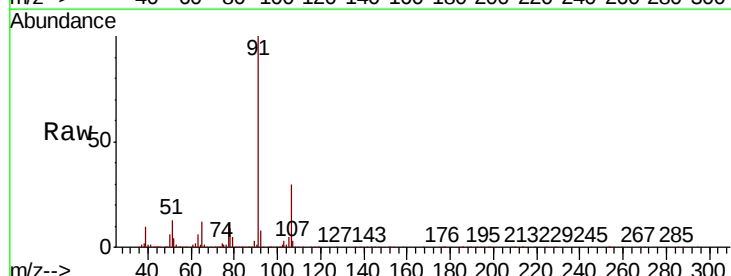


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

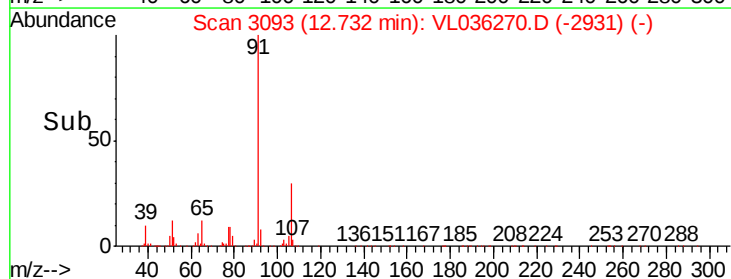
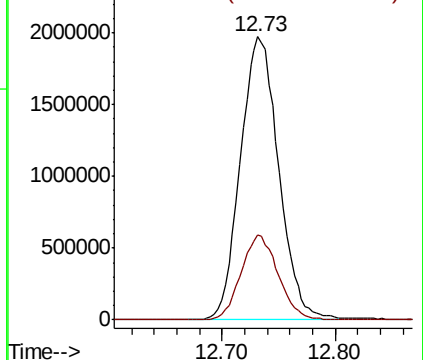


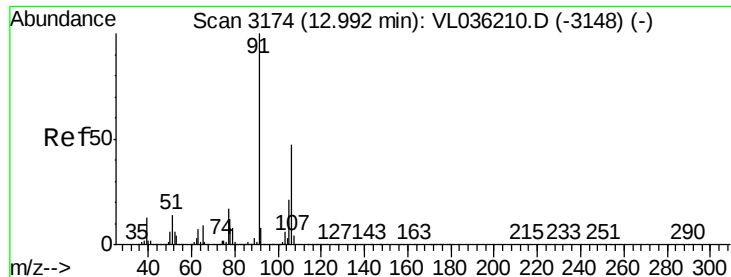
#58
Ethyl Benzene
Concen: 7.824 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.02 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 91 Resp: 4644590
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2



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

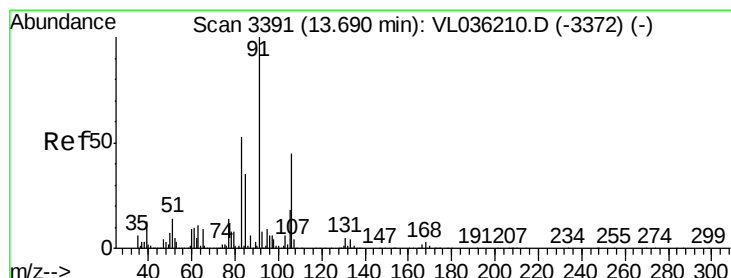
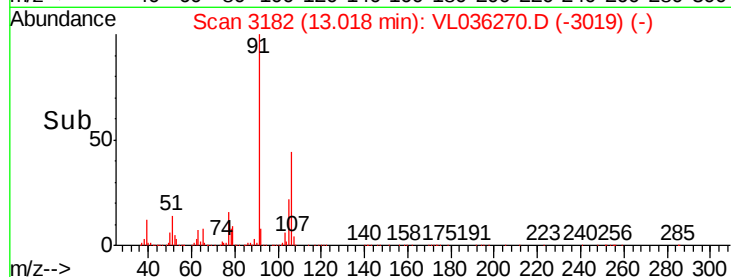
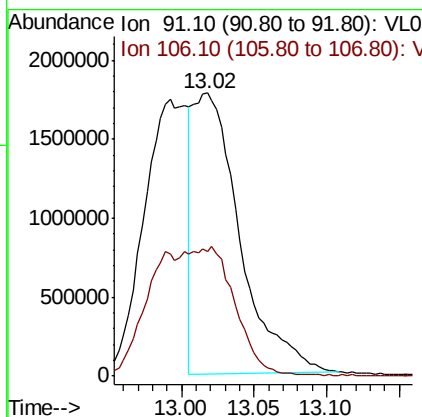
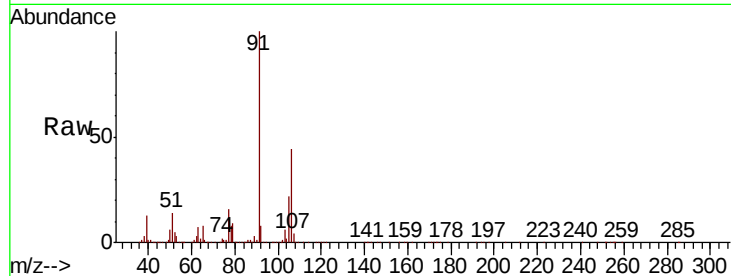




#59
m/p-Xylene
Concen: 7.761 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

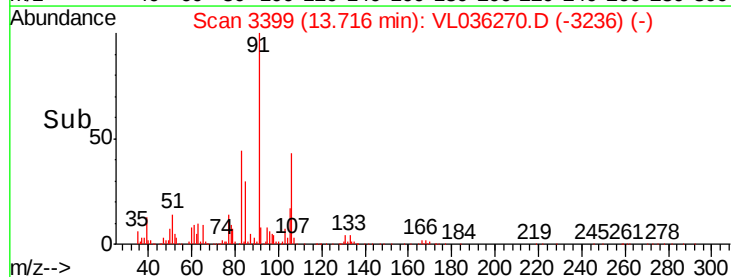
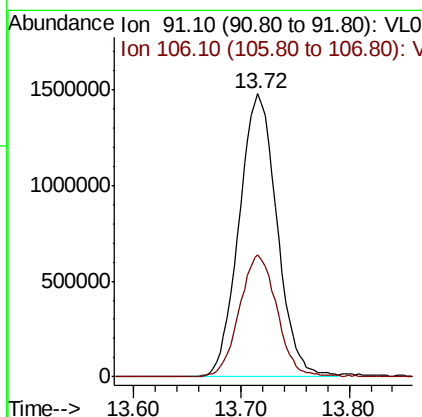
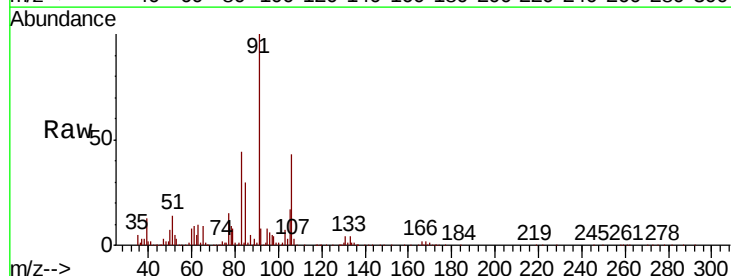
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

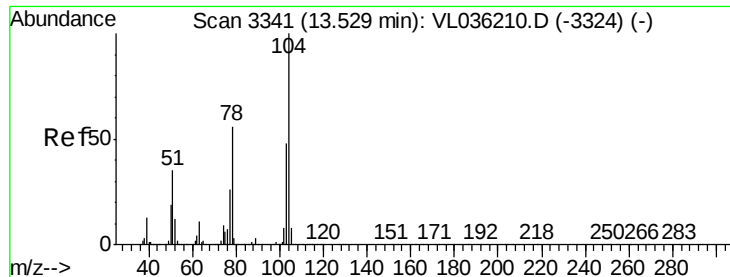
Tot Ion: 91 Resp: 3959033
Ion Ratio Lower Upper
91 100
106 82.8 34.6 51.8#



#60
o-Xylene
Concen: 7.337 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.03 min
Lab File: VL036270.D
Acq: 22 Jan 2021 17:14

Tgt Ion: 91 Resp: 3607592
Ion Ratio Lower Upper
91 100
106 42.8 21.9 65.8





#61

Stvrene

Concen: 7.992 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

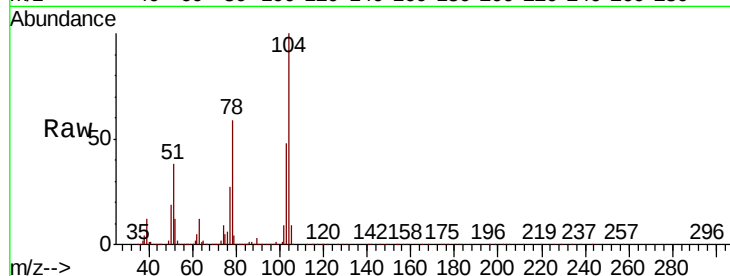
Tot Ion:104 Resp: 2481568

Ion Ratio Lower Upper

104 100

78 59.8 46.8 70.2

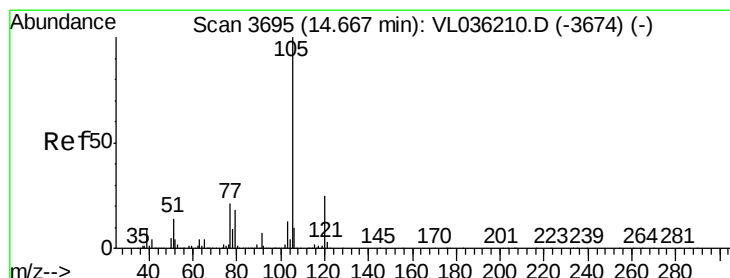
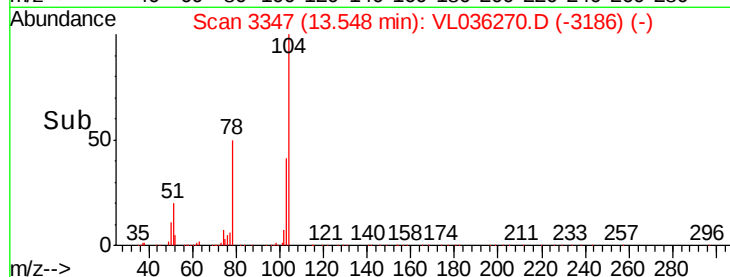
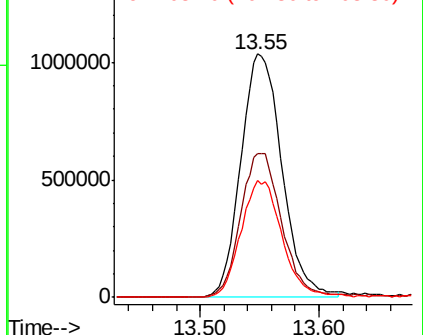
103 48.4 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.180 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. 0.03 min

Lab File: VL036270.D

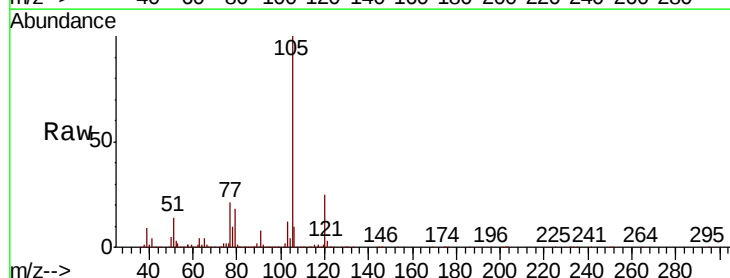
Acq: 22 Jan 2021 17:14

Tgt Ion:105 Resp: 5249157

Ion Ratio Lower Upper

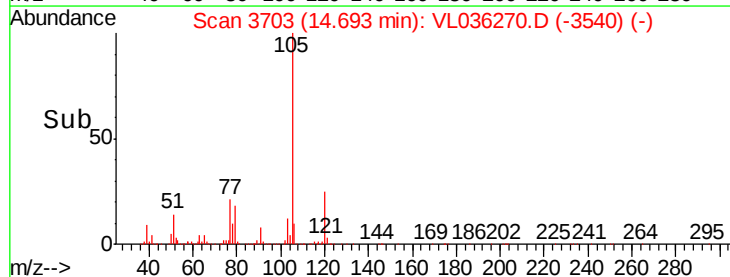
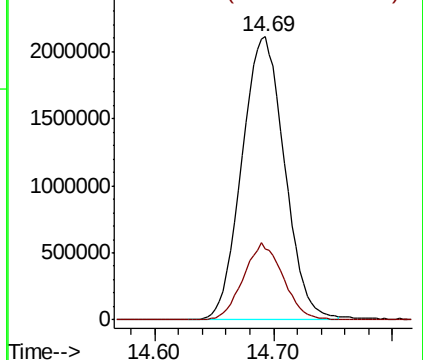
105 100

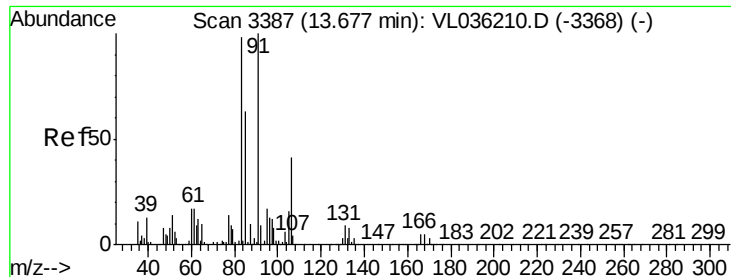
120 25.6 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.717 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

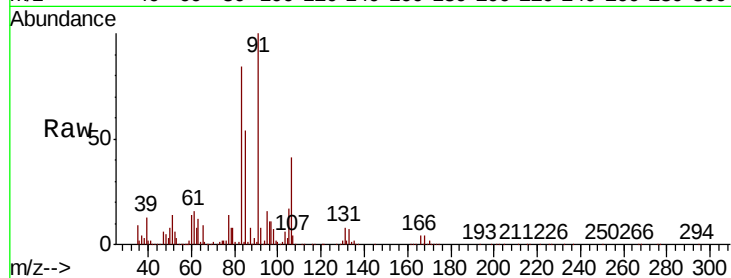
Tot Ion: 83 Resp: 2459056

Ion Ratio Lower Upper

83 100

131 8.7 4.5 13.5

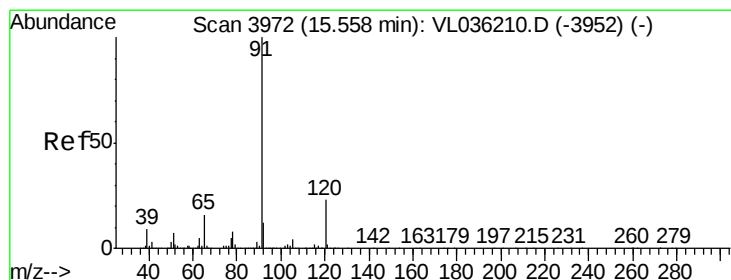
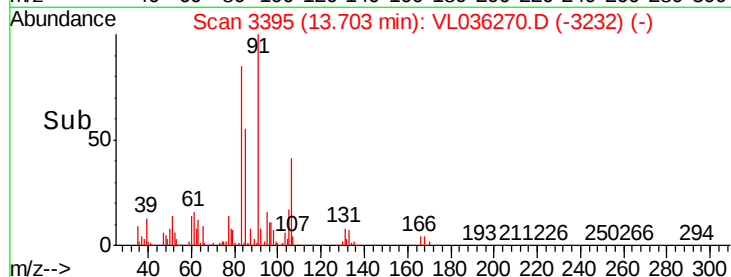
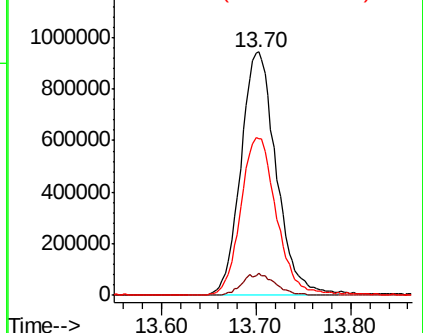
85 65.7 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.448 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. 0.03 min

Lab File: VL036270.D

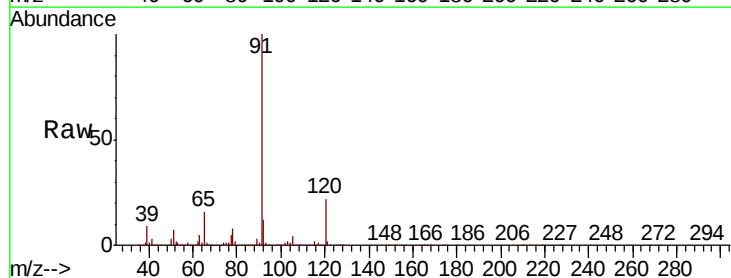
Acq: 22 Jan 2021 17:14

Tgt Ion: 120 Resp: 1337744

Ion Ratio Lower Upper

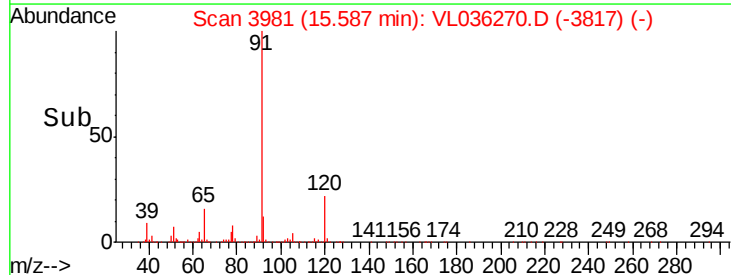
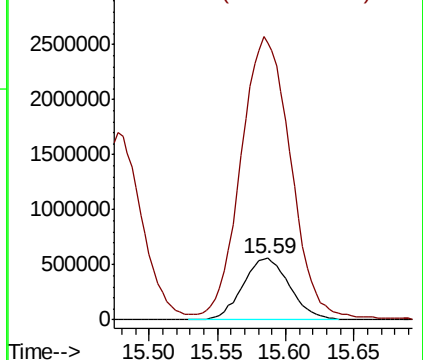
120 100

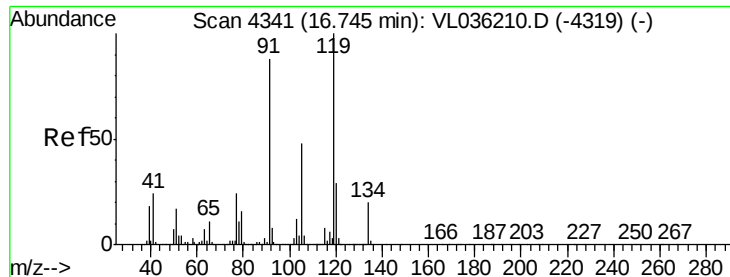
91 493.0 391.8 587.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.099 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

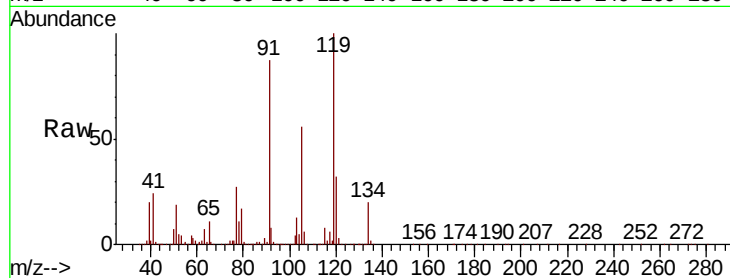
Tot Ion:119 Resp: 4397461

Ion Ratio Lower Upper

119 100

91 90.0 71.0 106.6

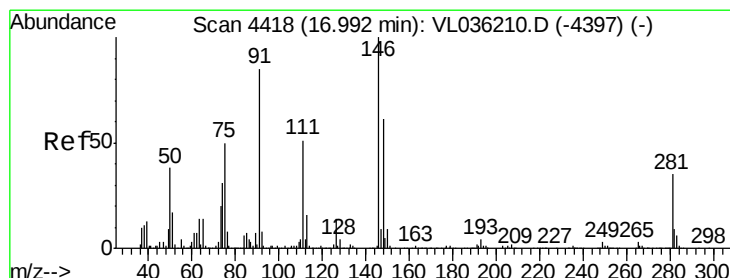
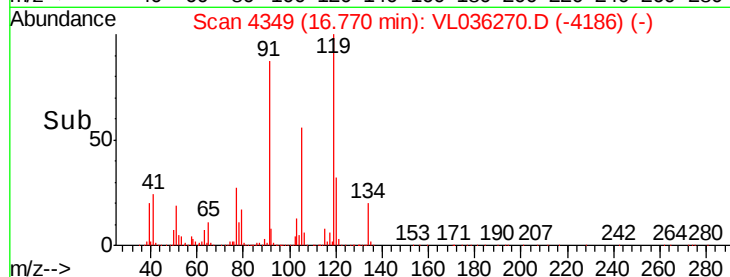
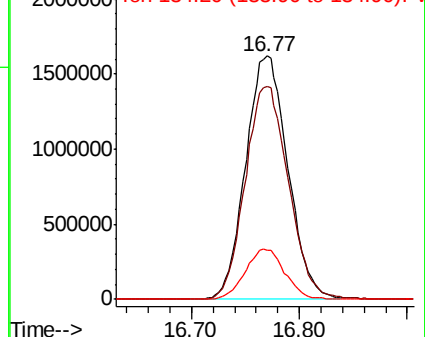
134 19.5 15.8 23.6



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: 8.797 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

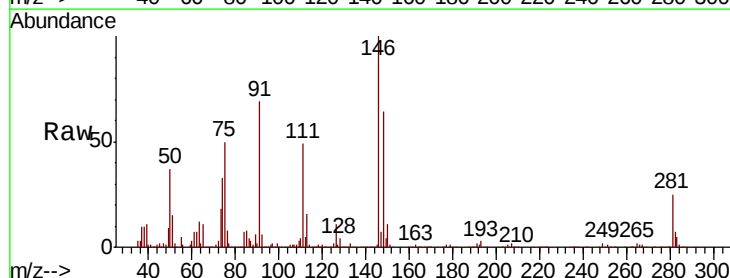
Tgt Ion: 91 Resp: 1392249

Ion Ratio Lower Upper

91 100

126 15.3 12.6 19.0

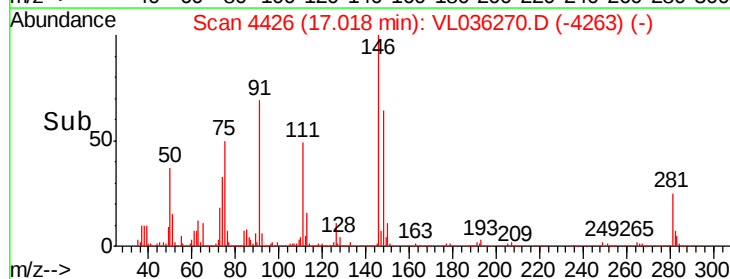
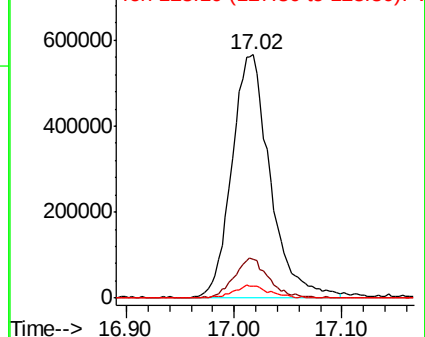
128 5.0 3.8 5.6

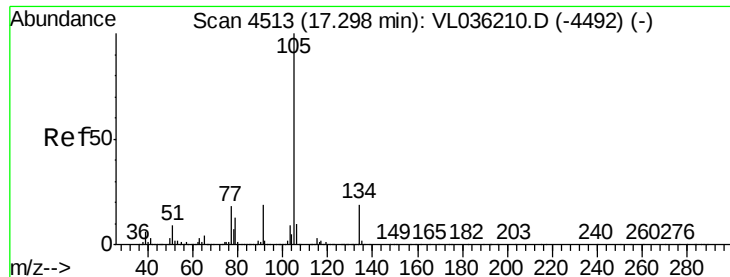


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

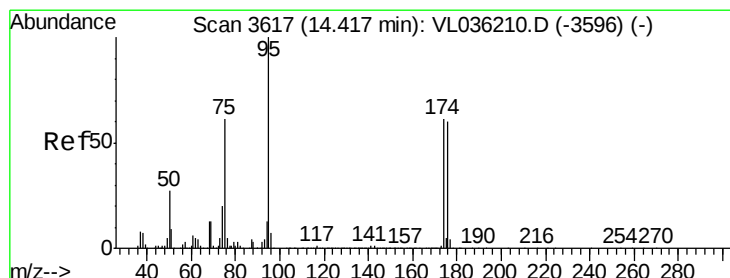
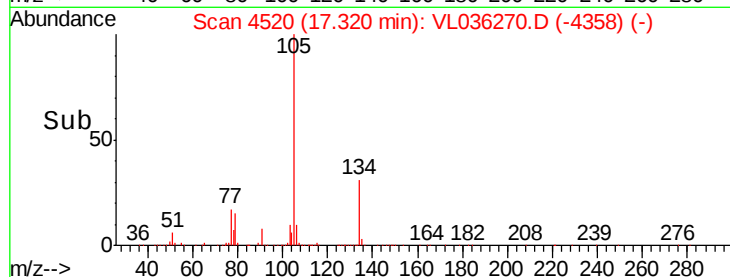
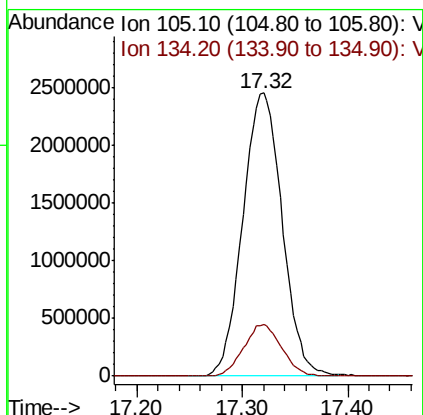
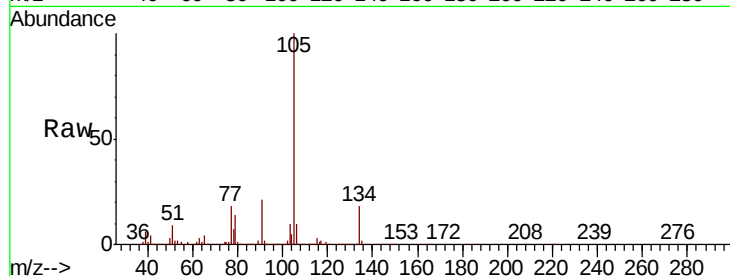




#67
 sec-Butylbenzene
 Concen: 6.902 ppbv
 RT: 17.32 min Scan# 4520
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

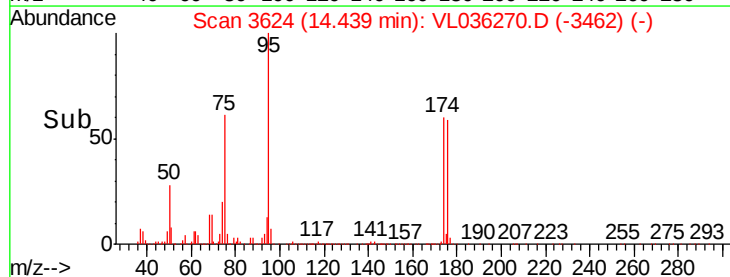
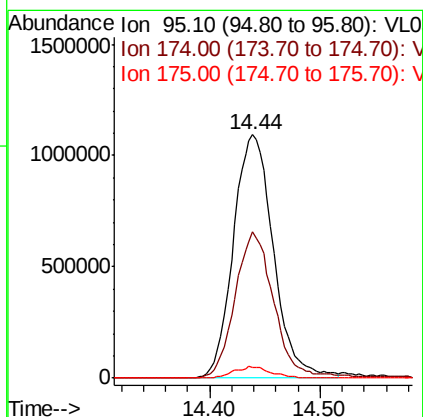
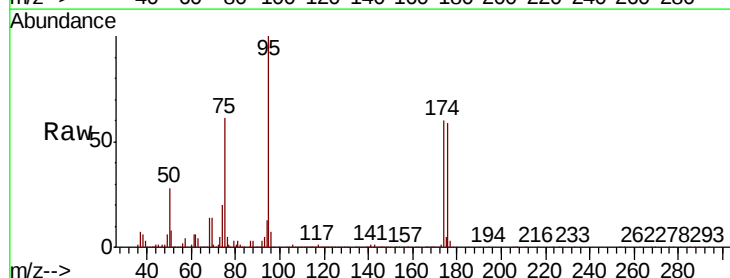
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

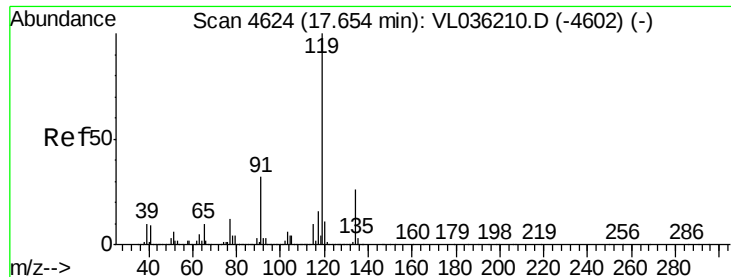
Tot Ion: 105 Resp: 6347173
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.306 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion: 95 Resp: 2750244
 Ion Ratio Lower Upper
 95 100
 174 59.4 49.4 74.0
 175 4.5 3.8 5.8

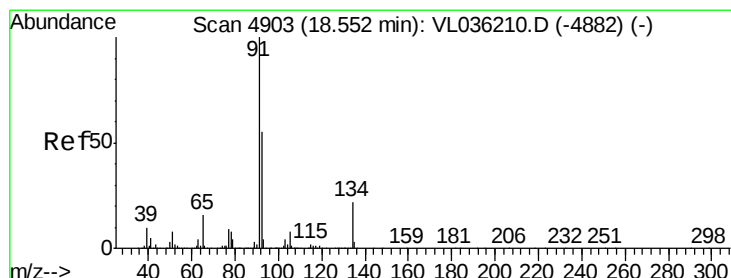
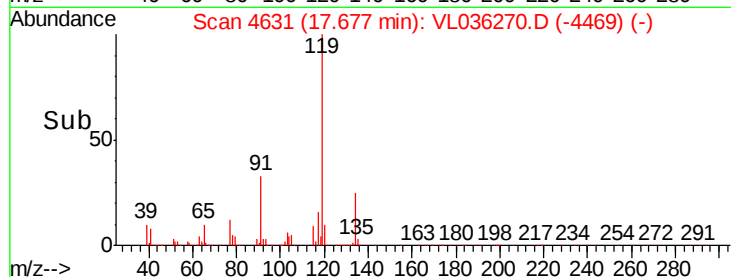
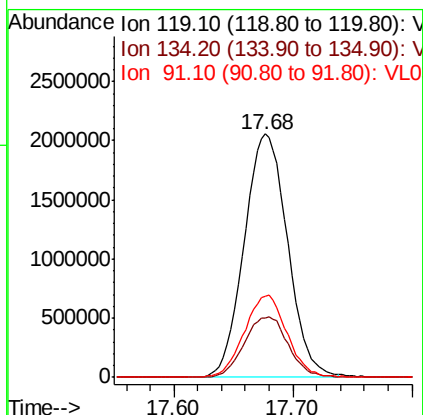
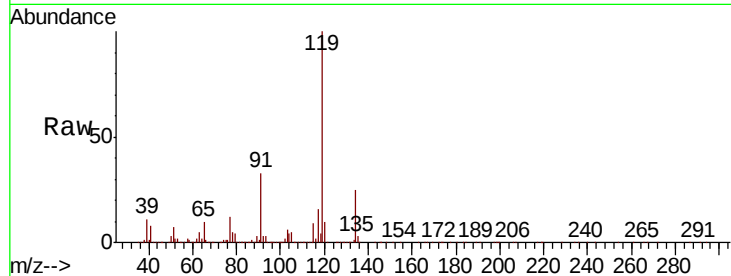




#69
 p-Isopropyltoluene
 Concen: 7.106 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

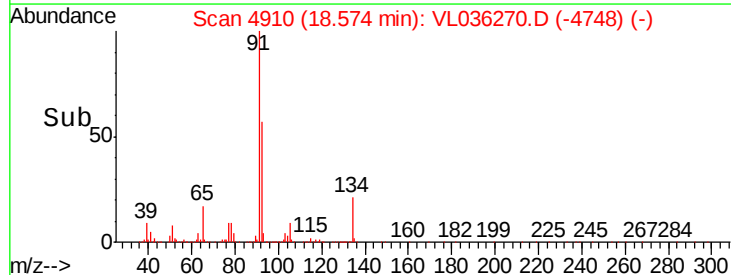
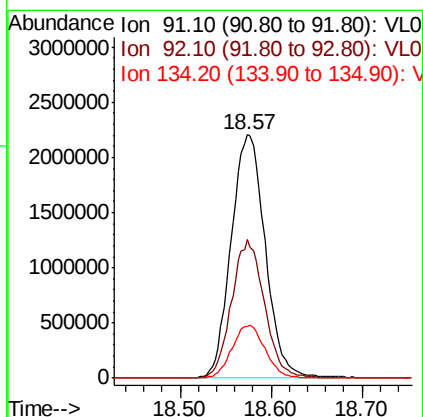
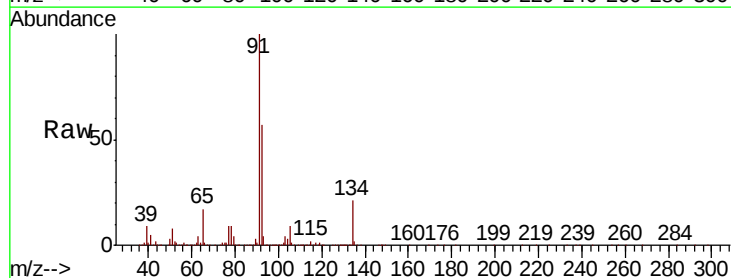
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

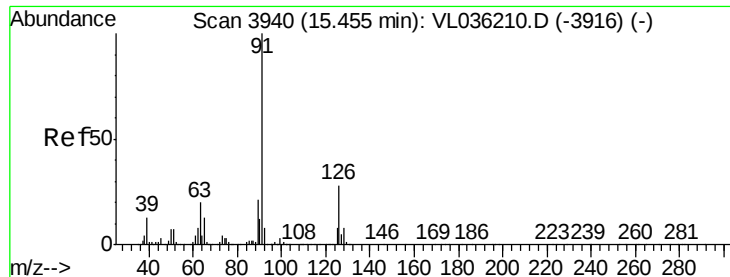
Tot Ion:119 Resp: 5182022
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.2 30.4
 91 33.4 26.0 39.0



#70
 n-Butylbenzene
 Concen: 7.379 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion: 91 Resp: 5733909
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.0 66.0
 134 21.2 17.0 25.4

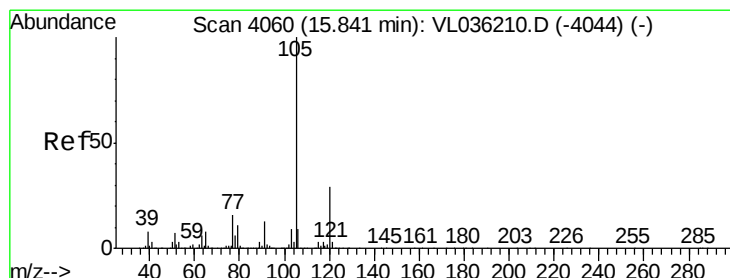
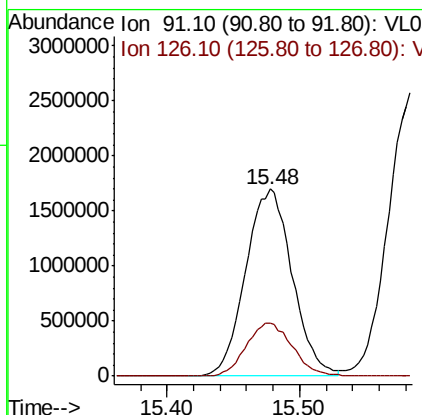
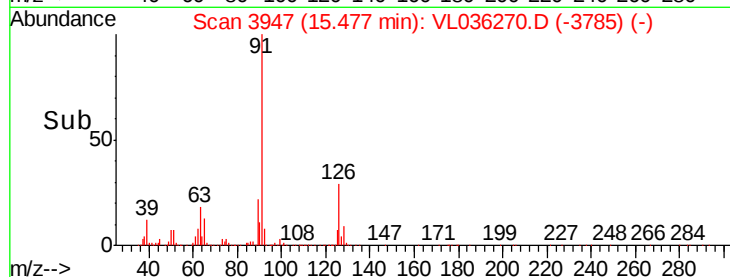
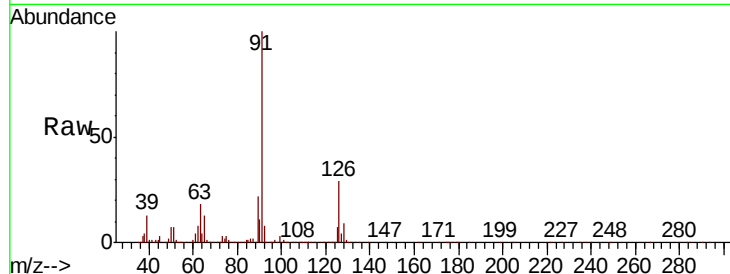




#71
 2-Chlorotoluene
 Concen: 7.225 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. 0.02 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

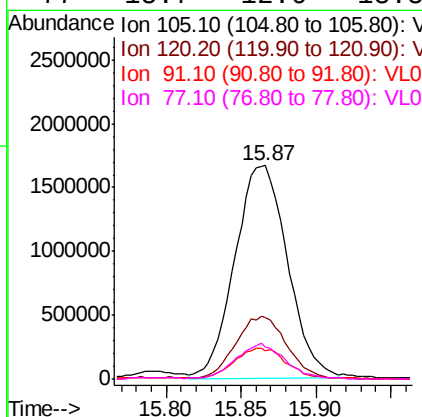
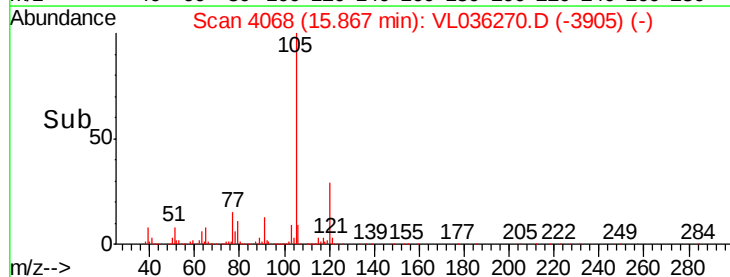
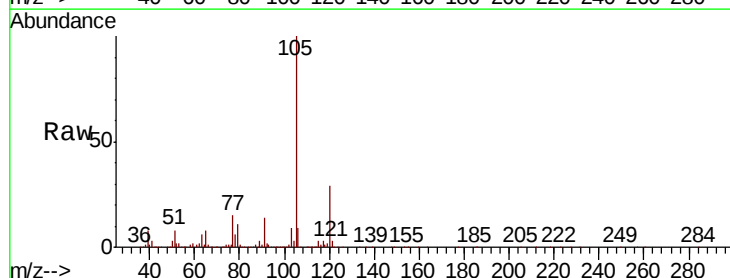
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

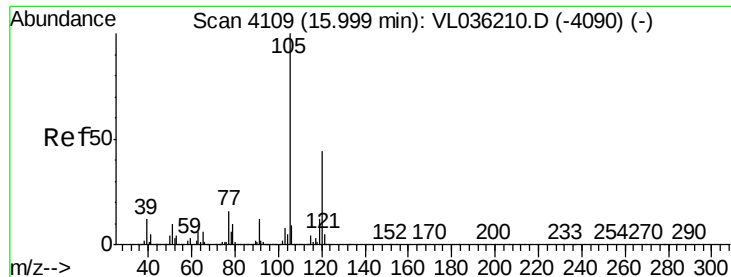
Tot Ion: 91 Resp: 4151721
 Ion Ratio Lower Upper
 91 100
 126 28.8 11.5 45.9



#72
 4-Ethyltoluene
 Concen: 7.370 ppbv
 RT: 15.87 min Scan# 4068
 Delta R.T. 0.03 min
 Lab File: VL036270.D
 Acq: 22 Jan 2021 17:14

Tgt Ion: 105 Resp: 4089226
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.7 35.5
 91 14.2 11.9 17.9
 77 15.7 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 7.253 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

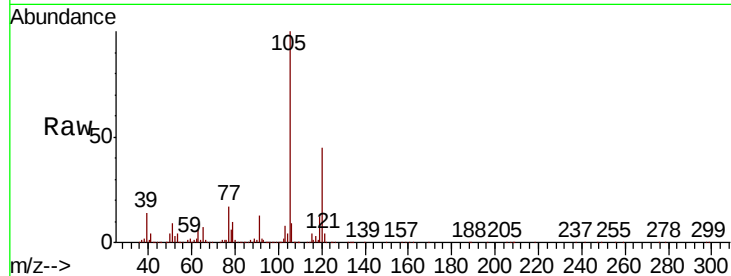
VSTDCCC010EC

Tot Ion:105 Resp: 3836498

Ion Ratio Lower Upper

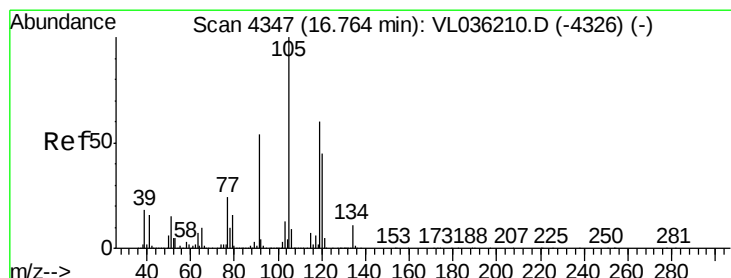
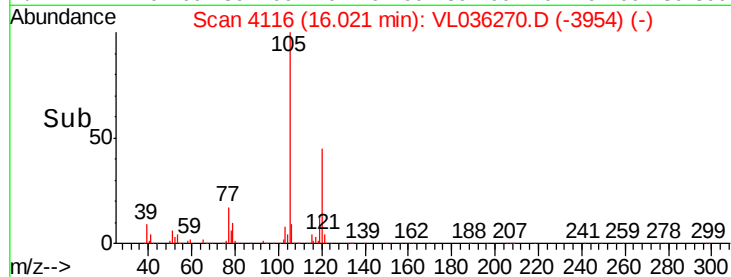
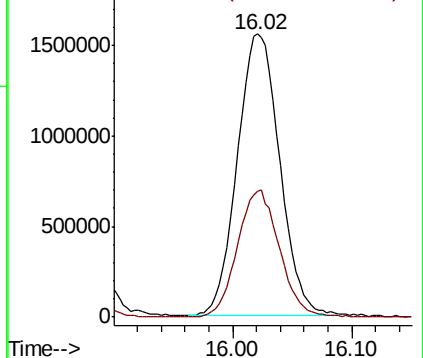
105 100

120 44.7 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.149 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion:105 Resp: 3878945

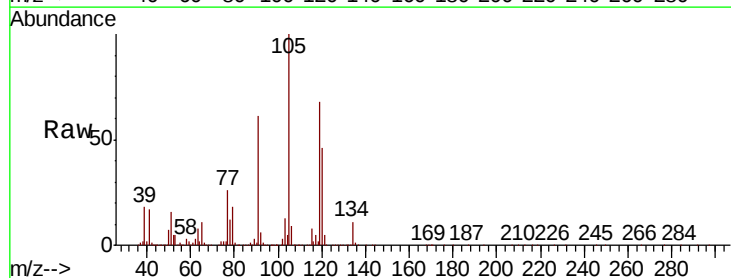
Ion Ratio Lower Upper

105 100

120 45.8 36.2 54.2

91 60.5 43.3 64.9

77 26.1 19.1 28.7

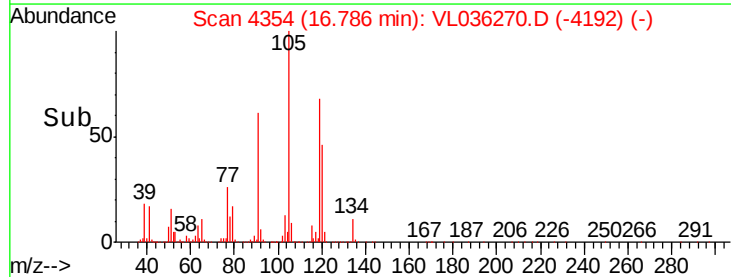
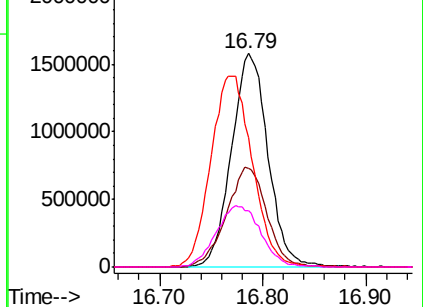


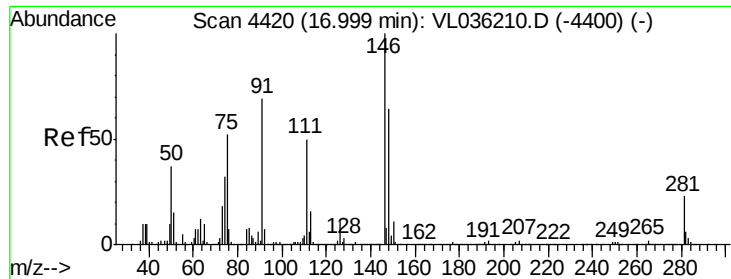
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.074 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

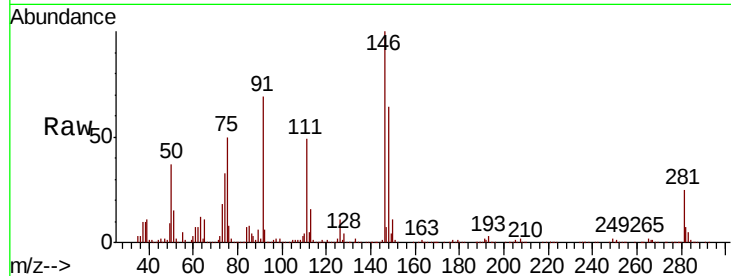
Tot Ion:146 Resp: 2058471

Ion Ratio Lower Upper

146 100

111 51.0 25.5 76.5

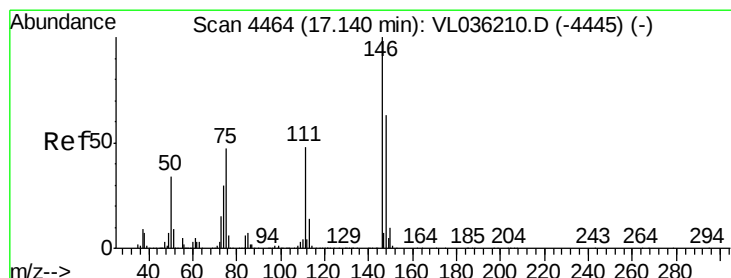
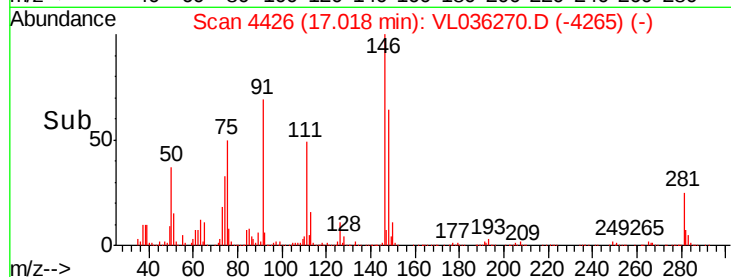
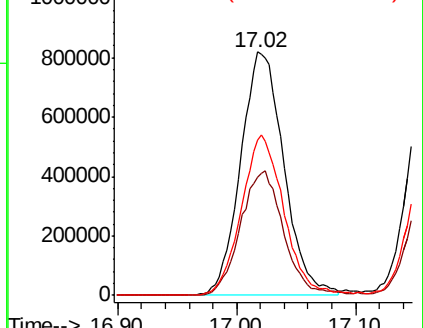
148 64.9 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.039 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

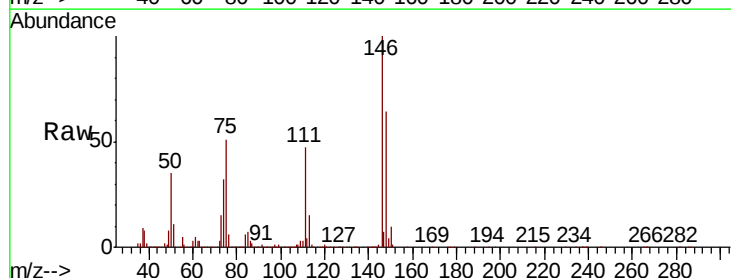
Tgt Ion:146 Resp: 2023663

Ion Ratio Lower Upper

146 100

111 50.7 25.4 76.0

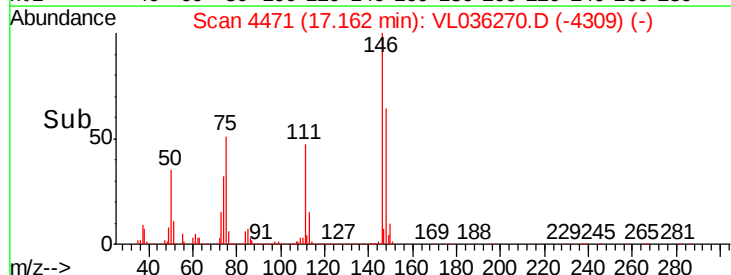
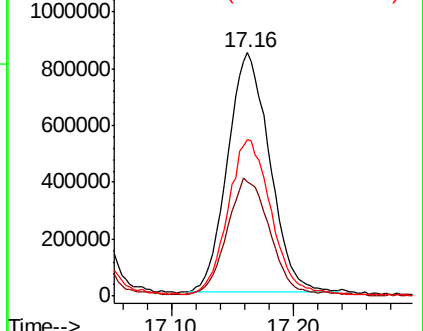
148 67.7 33.3 99.9

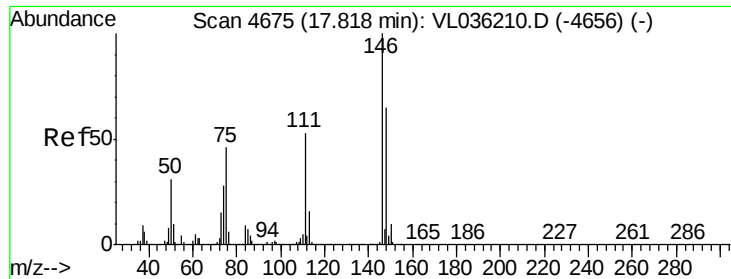


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.280 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. 0.02 min

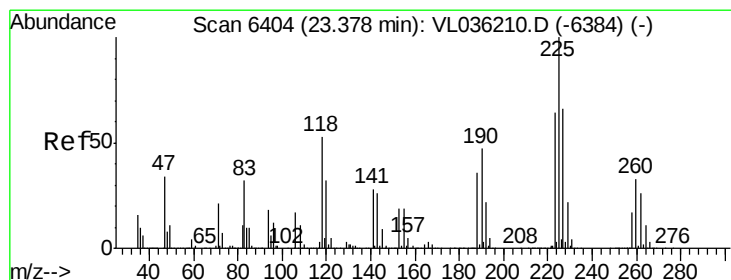
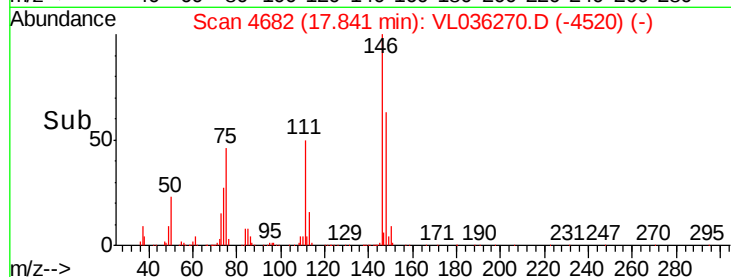
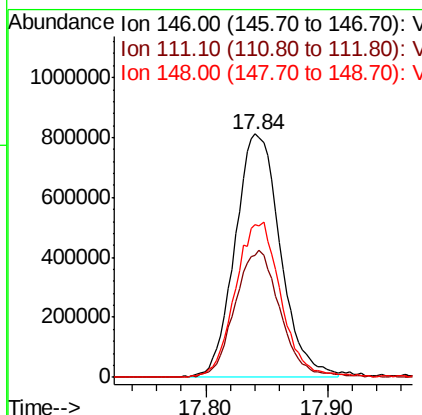
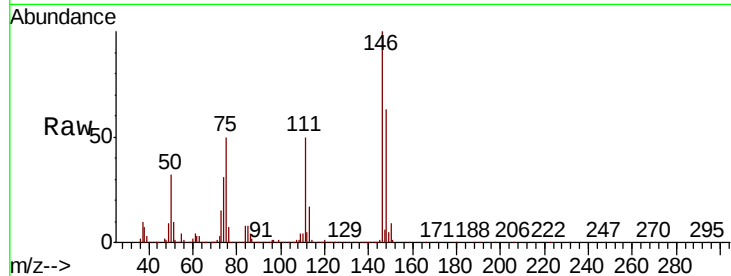
Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:146 Resp: 2069008

Ion	Ratio	Lower	Upper
146	100		
111	52.6	26.5	79.4
148	64.4	32.8	98.4



#78

Hexachloro-1,3-Butadiene

Concen: 4.174 ppbv

RT: 23.40 min Scan# 6412

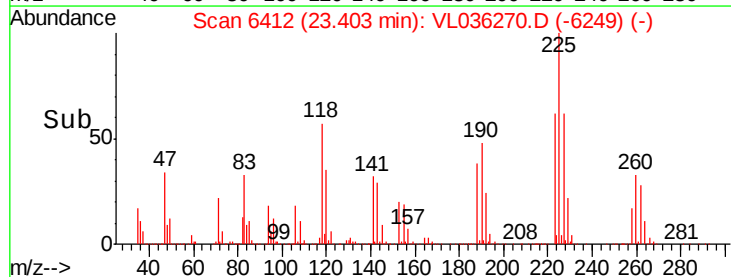
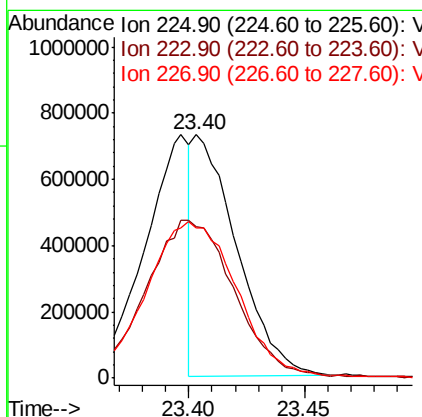
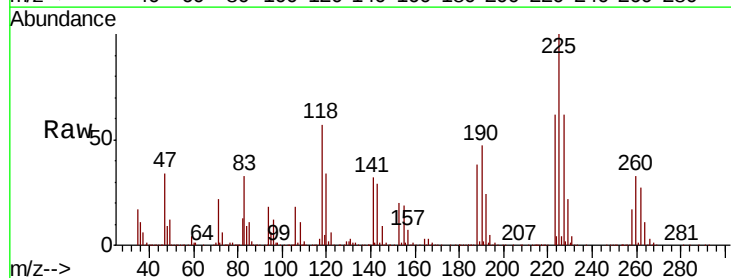
Delta R.T. 0.03 min

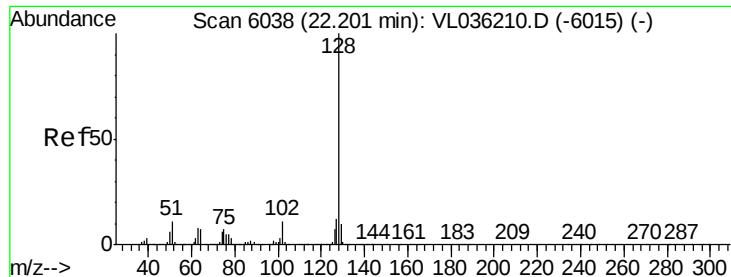
Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Tgt Ion:225 Resp: 948914

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.5	75.7#
227	136.6	51.7	77.5#





#79

Naphthalene

Concen: 12.579 ppbv

RT: 22.23 min Scan# 6046

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

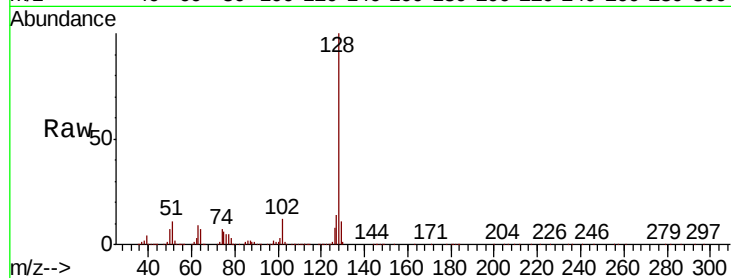
Tot Ion:128 Resp: 3989376

Ion Ratio Lower Upper

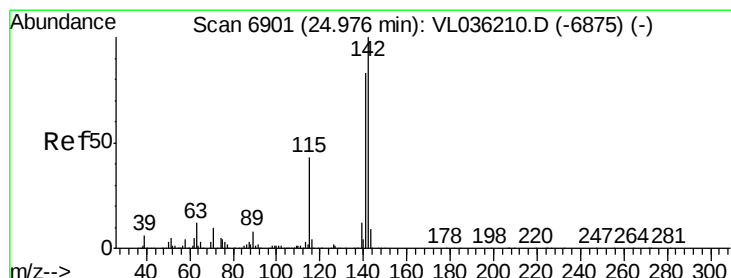
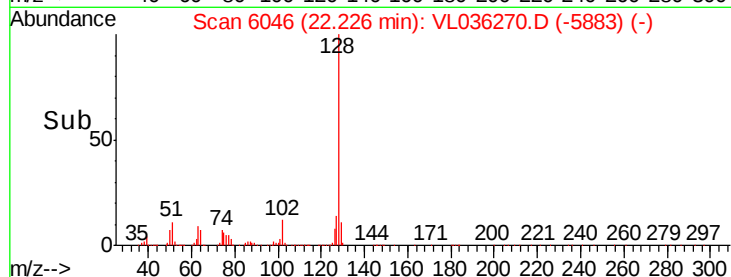
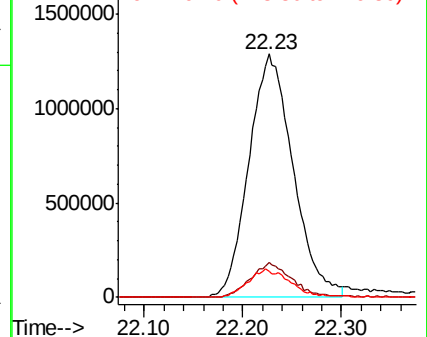
128 100

127 14.2 9.9 14.9

129 10.8 8.4 12.6



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: 12.752 ppbv

RT: 24.99 min Scan# 6907

Delta R.T. 0.02 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

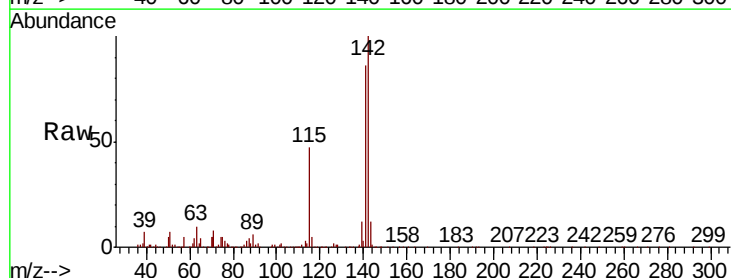
Tgt Ion:142 Resp: 862933

Ion Ratio Lower Upper

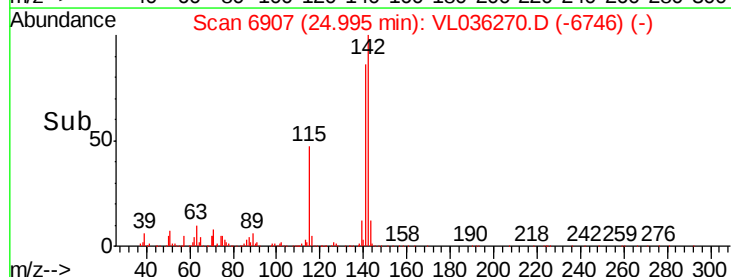
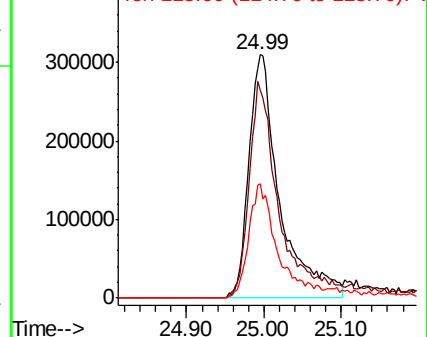
142 100

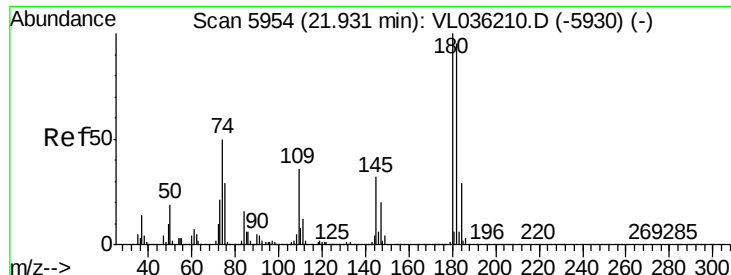
141 92.5 68.6 102.8

115 47.7 32.9 49.3



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: 10.840 ppbv

RT: 21.96 min Scan# 5962

Delta R.T. 0.03 min

Lab File: VL036270.D

Acq: 22 Jan 2021 17:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

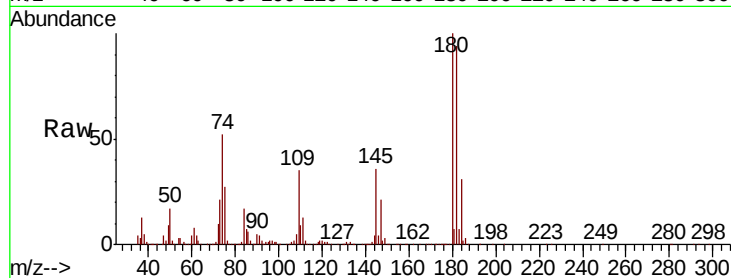
Tot Ion:180 Resp: 2007136

Ion Ratio Lower Upper

180 100

182 99.4 79.9 119.9

184 31.9 25.6 38.4



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

