

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036922.D
 Acq On : 7 May 2021 16:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 08 04:17:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1326466	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3428571	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	4049223	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2612780	8.04	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2006332	9.604	ppbv	98
3) Chlorodifluoromethane	3.00	51	2603394	10.775	ppbv	99
4) Chloromethane	3.15	50	847901	10.677	ppbv	96
5) Vinyl Chloride	3.27	62	835576	10.431	ppbv	98
6) Bromomethane	3.48	94	435655	10.114	ppbv	98
7) Chloroethane	3.57	64	286695	10.891	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1983297	10.409	ppbv	99
9) Propene	3.02	41	786791	10.686	ppbv	96
10) Heptane	8.13	43	2045347	11.046	ppbv	98
11) Trichlorofluoromethane	3.96	101	1919783	10.295	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1283478	10.284	ppbv	100
13) Ethanol	3.63	45	21131	2.251	ppbv #	1
14) Bromoethene	3.75	108	558979	10.963	ppbv	99
15) Acetone	3.86	43	1318015	10.542	ppbv	98
16) 1,3-Butadiene	3.33	39	853447	10.675	ppbv	99
17) tert-Butyl alcohol	4.30	59	1076353	10.606	ppbv	99
18) 1,1-Dichloroethene	4.30	96	572341	10.552	ppbv	99
19) Isopropyl Alcohol	3.98	45	636870	10.281	ppbv #	98
20) Methylene Chloride	4.35	84	512514	8.572	ppbv	95
21) Allyl Chloride	4.42	41	945063	10.173	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	551918	10.140	ppbv	98
23) Vinyl Acetate	5.09	43	2354082	13.842	ppbv	97
24) 1,1-Dichloroethane	5.02	63	1576681	13.060	ppbv	97
25) Ethyl Acetate	5.69	43	3093900	10.131	ppbv	99
26) Hexane	5.70	57	1506833	10.546	ppbv	93
27) Carbon Disulfide	4.56	76	1421774	11.456	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1630216	12.872	ppbv	100
29) Chloroform	5.76	83	2287321	10.268	ppbv	98
30) Cyclohexane	7.14	84	1240138	10.945	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1438299	11.215	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2345232	10.353	ppbv	99
34) 2-Butanone	5.26	43	1493822	9.946	ppbv	98
35) Carbon Tetrachloride	7.03	117	2475305	10.640	ppbv	96
36) Benzene	6.90	78	3121732	10.807	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1764698	10.788	ppbv	100
38) Trichloroethene	7.84	130	1150741	11.188	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1227409	10.606	ppbv	96
40) 1,4-Dioxane	7.85	88	242240	8.668	ppbv #	1
41) Tetrahydrofuran	6.07	42	656021	9.985	ppbv	97
42) Bromodichloromethane	7.80	83	2519374	11.085	ppbv	99
43) Methyl Methacrylate	8.02	69	1162283	12.331	ppbv	97

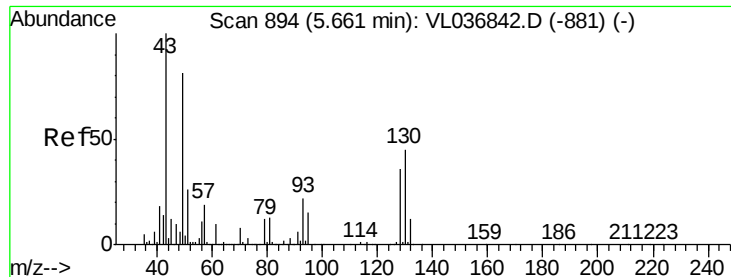
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5261905	10.629	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	837971	8.247	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1169567	8.977	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1267912	10.582	ppbv	98
48) Dibromochloromethane	10.31	129	2090132	11.772	ppbv	99
49) Bromoform	13.05	173	1755241	12.384	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2175404	10.597	ppbv	98
51) 2-Hexanone	10.15	43	1118882	10.927	ppbv #	96
52) Tetrachloroethene	11.23	164	1057943	10.755	ppbv	96
53) Toluene	9.82	91	3491764	11.552	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1816461	10.738	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1447444	8.527	ppbv #	63
57) Chlorobenzene	12.16	112	2580142	8.181	ppbv	99
58) Ethyl Benzene	12.72	91	4643691	9.042	ppbv	100
59) m/p-Xylene	13.01	91	4225832	9.206	ppbv #	42
60) o-Xylene	13.70	91	3731726	8.408	ppbv	99
61) Styrene	13.54	104	1997281	9.582	ppbv	99
62) Isopropylbenzene	14.68	105	5123499	8.484	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2815220	7.913	ppbv	99
64) n-propylbenzene	15.57	120	1355069	9.004	ppbv	99
65) tert-Butylbenzene	16.75	119	4486736	8.403	ppbv	99
66) Benzyl Chloride	17.00	91	340538	6.523	ppbv	100
67) sec-Butylbenzene	17.30	105	6267840	8.454	ppbv	100
69) p-Isopropyltoluene	17.66	119	5151389	8.667	ppbv	100
70) n-Butylbenzene	18.56	91	5371435	8.966	ppbv	99
71) 2-Chlorotoluene	15.46	91	3997563	8.938	ppbv	99
72) 4-Ethyltoluene	15.85	105	4390297	9.216	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3882265	8.403	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4062767	8.279	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2451965	8.452	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2306934	8.126	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2349798	8.293	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1860027	7.725	ppbv	99
79) Naphthalene	22.21	128	2749033	10.002	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	340073	11.220	ppbv	94
81) 1,2,4-Trichlorobenzene	21.94	180	1703661	9.583	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

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VSTDCCC010EC

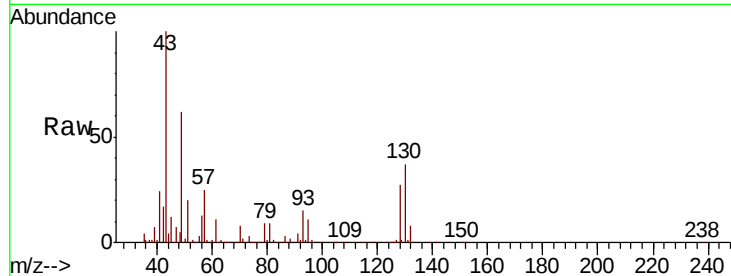
Tot Ion: 49 Resp: 1326466

Ion Ratio Lower Upper

49 100

128 50.6 24.4 73.2

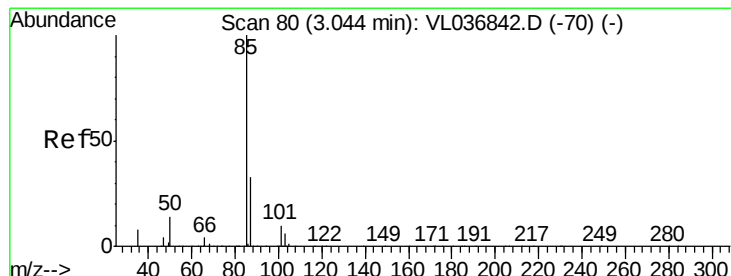
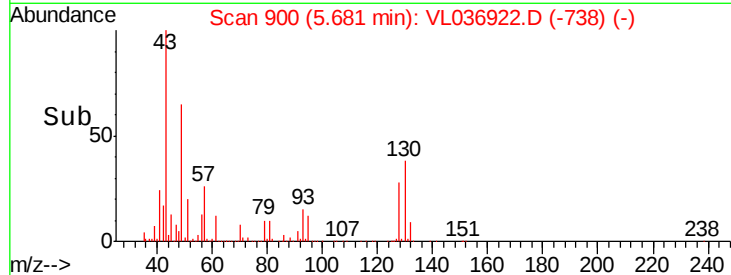
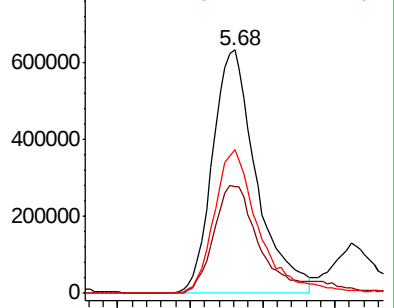
130 61.3 30.3 90.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.604 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036922.D

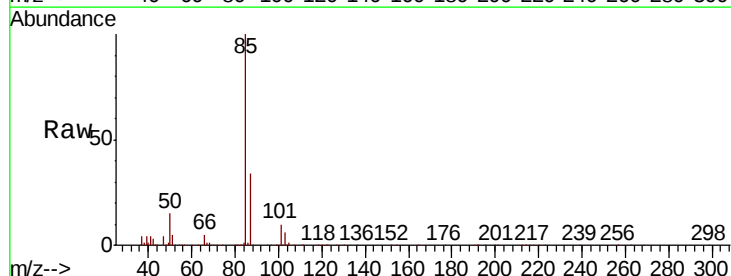
Acq: 7 May 2021 16:48

Tgt Ion: 85 Resp: 2006332

Ion Ratio Lower Upper

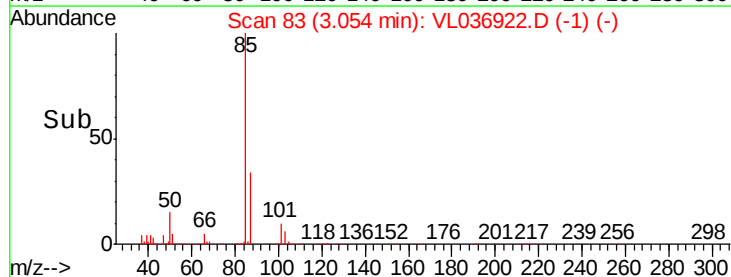
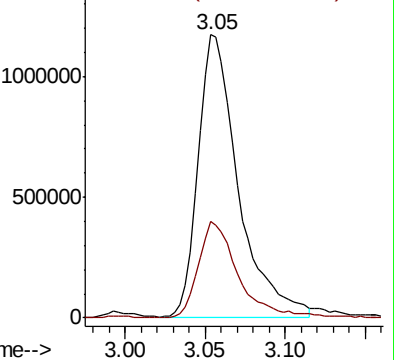
85 100

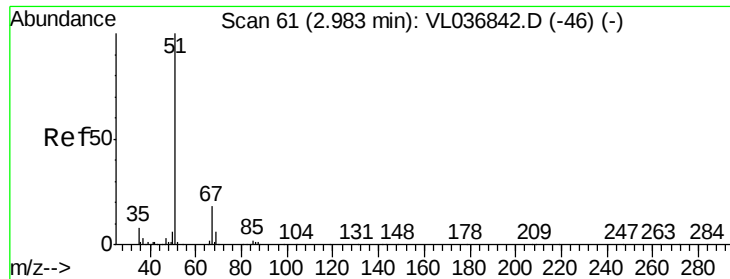
87 33.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.775 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

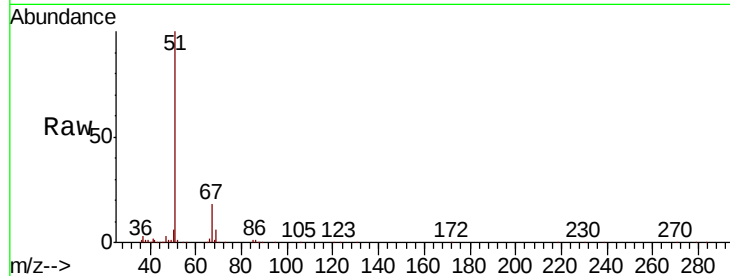
VSTDCCC010EC

Tot Ion: 51 Resp: 2603394

Ion Ratio Lower Upper

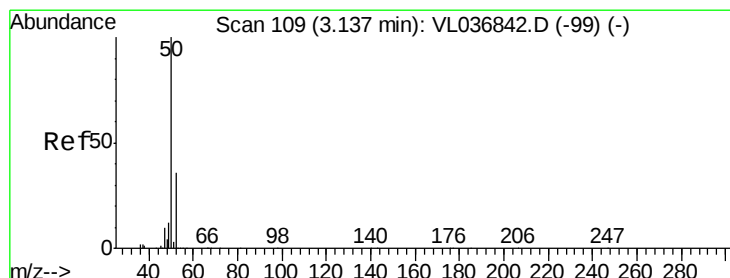
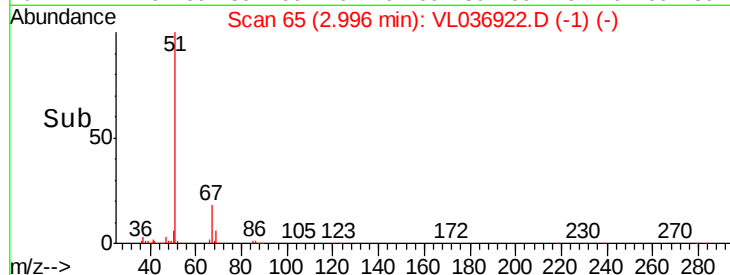
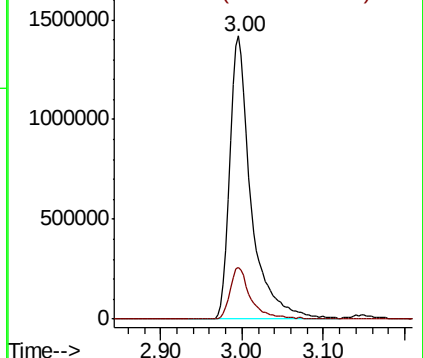
51 100

67 18.0 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.677 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036922.D

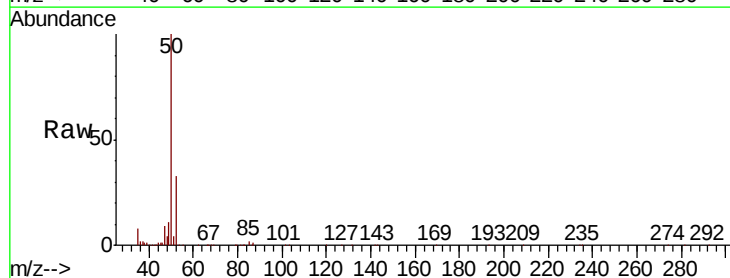
Acq: 7 May 2021 16:48

Tgt Ion: 50 Resp: 847901

Ion Ratio Lower Upper

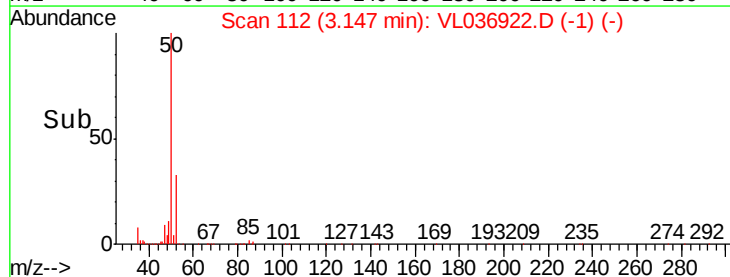
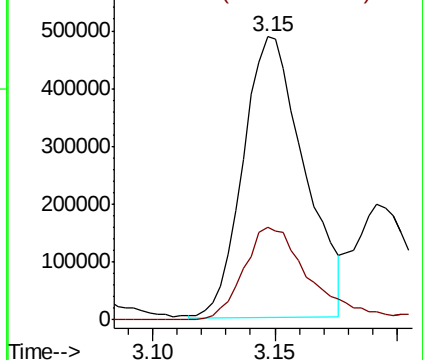
50 100

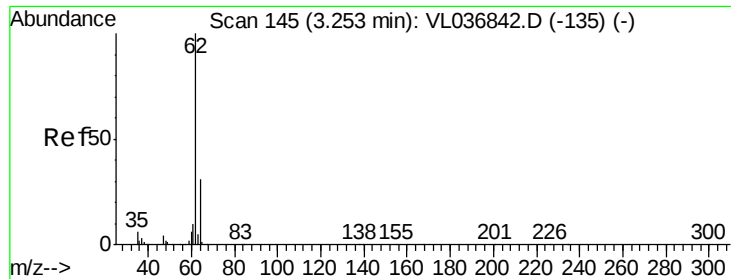
52 33.1 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.431 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

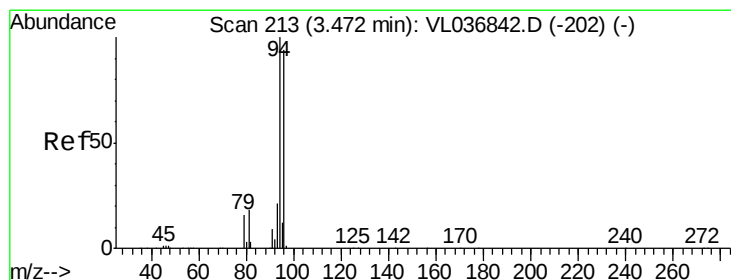
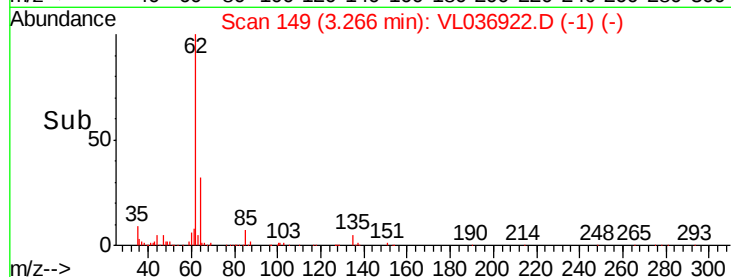
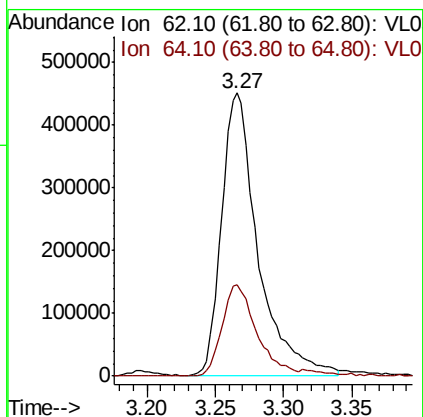
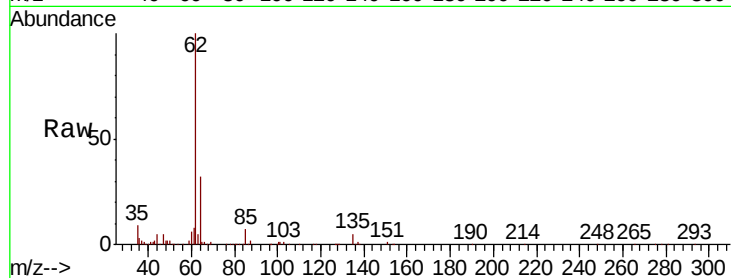
VSTDCCC010EC

Tot Ion: 62 Resp: 835576

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.4



#6

Bromomethane

Concen: 10.114 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036922.D

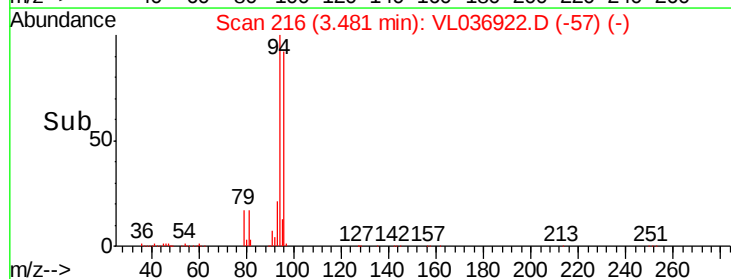
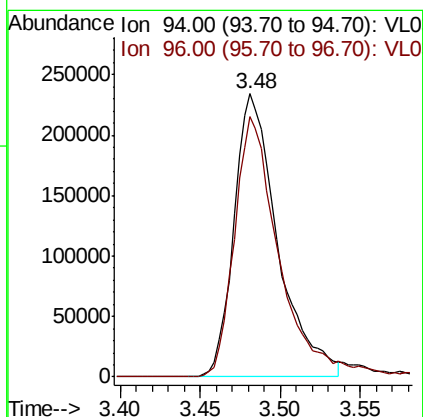
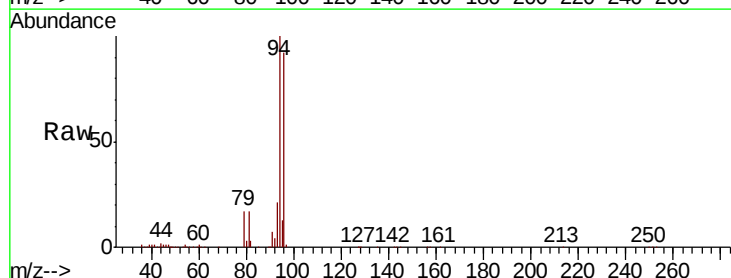
Acq: 7 May 2021 16:48

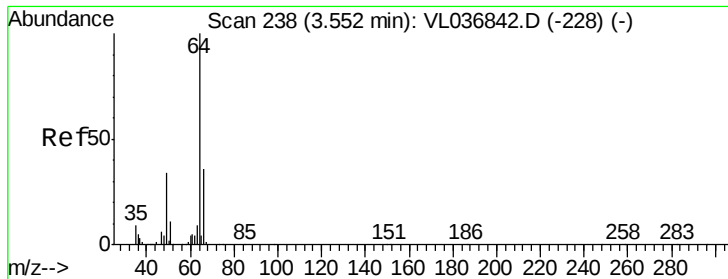
Tgt Ion: 94 Resp: 435655

Ion Ratio Lower Upper

94 100

96 91.9 75.4 113.0





#7

Chloroethane

Concen: 10.891 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

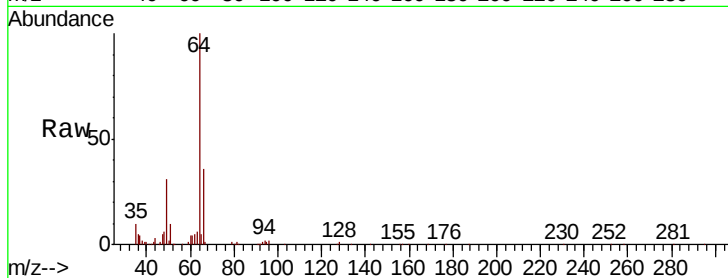
VSTDCCC010EC

Tot Ion: 64 Resp: 286695

Ion Ratio Lower Upper

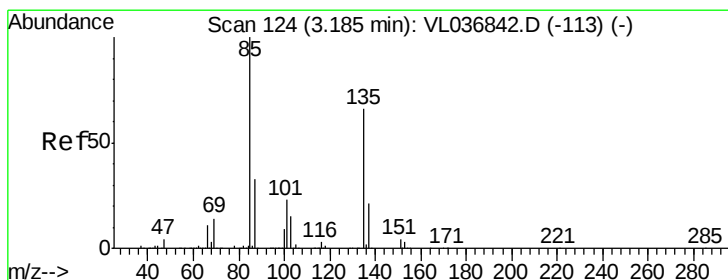
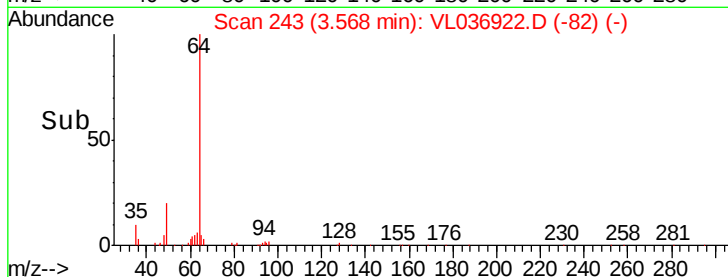
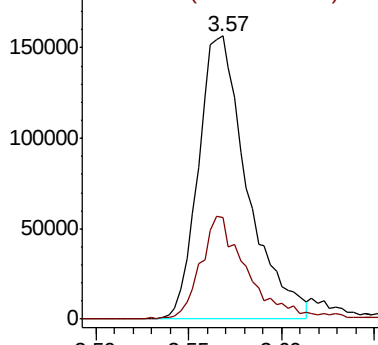
64 100

66 36.1 29.0 43.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.409 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036922.D

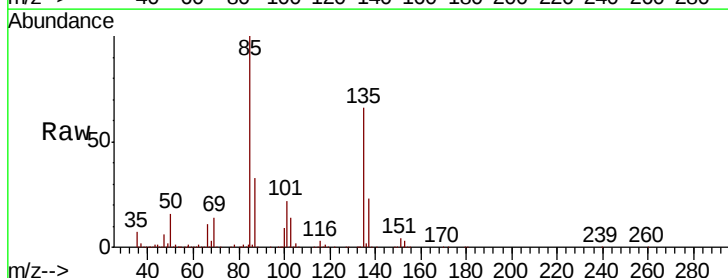
Acq: 7 May 2021 16:48

Tgt Ion: 85 Resp: 1983297

Ion Ratio Lower Upper

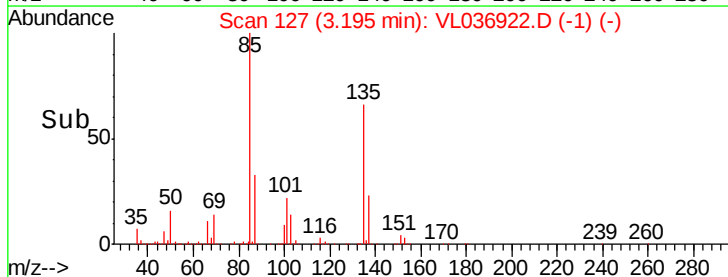
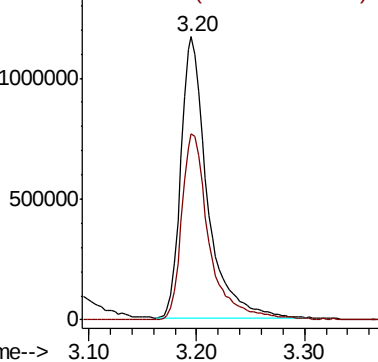
85 100

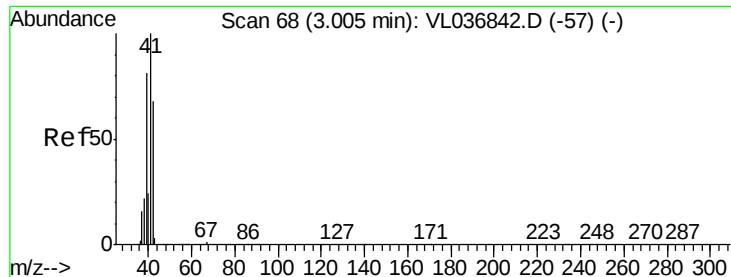
135 69.7 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.686 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036922.D

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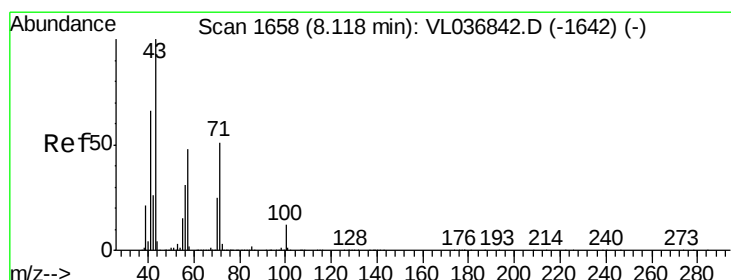
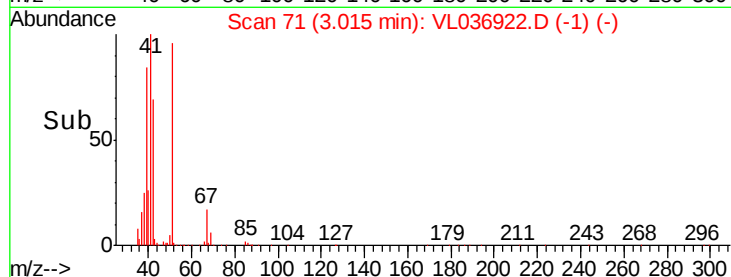
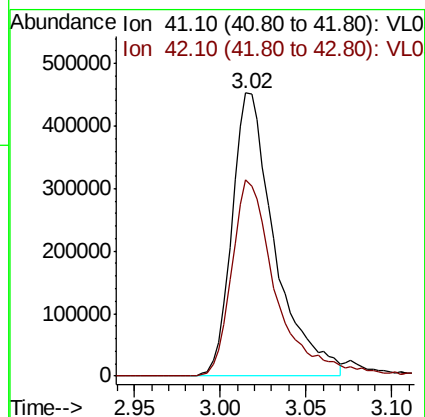
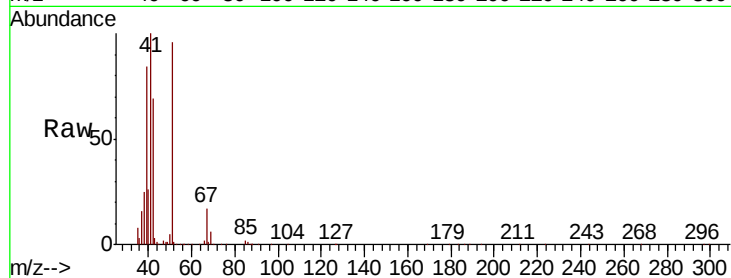
VSTDCCC010EC

Tot Ion: 41 Resp: 786791

Ion Ratio Lower Upper

41 100

42 73.0 56.0 84.0



#10

Heptane

Concen: 11.046 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.02 min

Lab File: VL036922.D

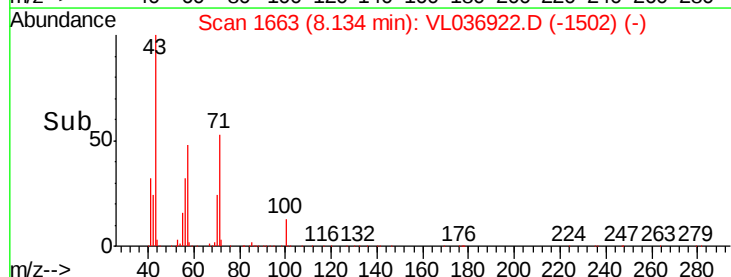
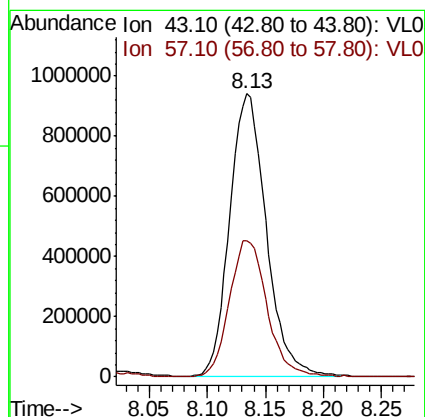
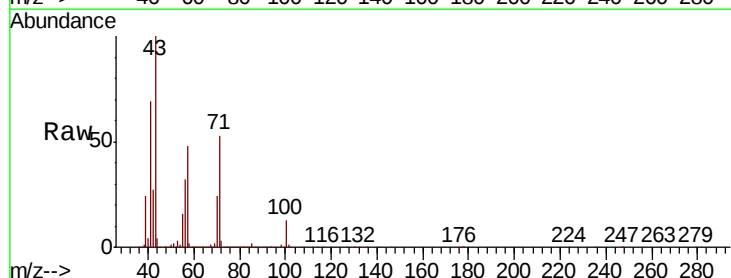
Acq: 7 May 2021 16:48

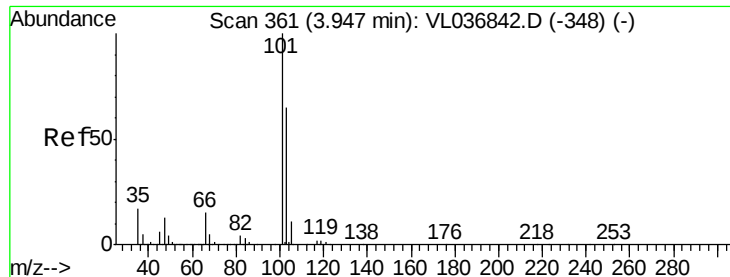
Tgt Ion: 43 Resp: 2045347

Ion Ratio Lower Upper

43 100

57 50.0 38.8 58.2

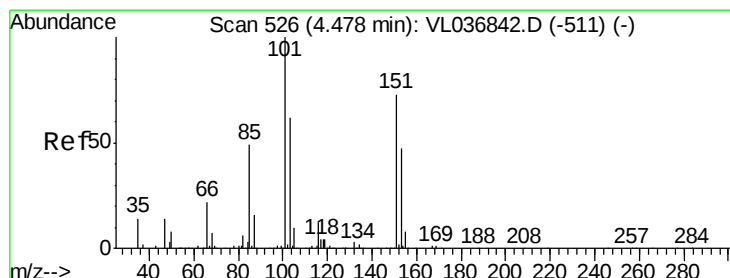
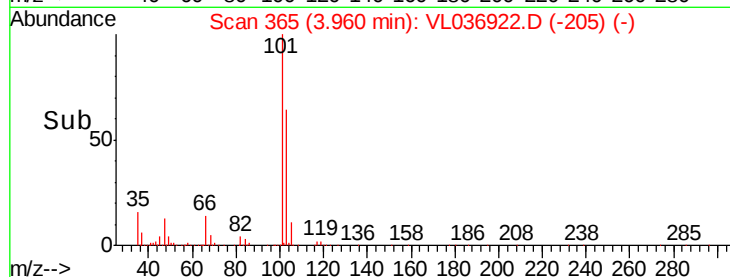
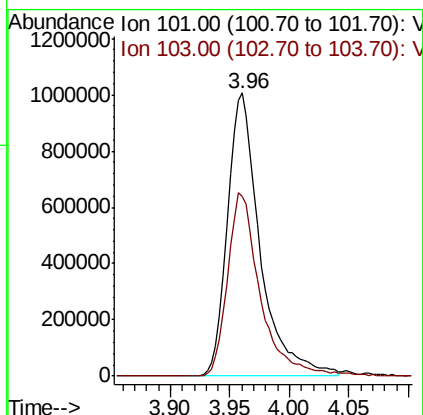
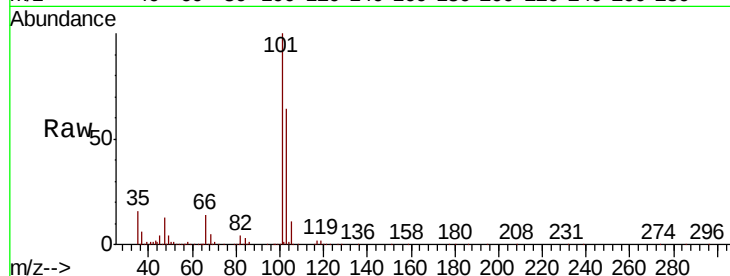




#11
 Trichlorofluoromethane
 Concen: 10.295 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

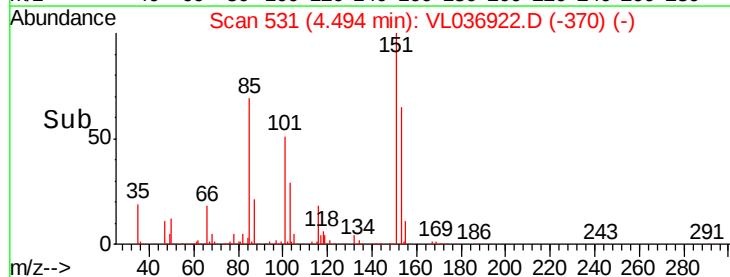
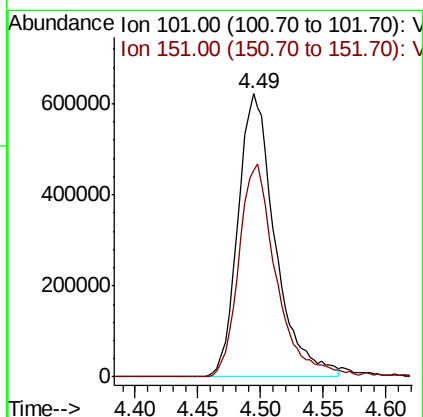
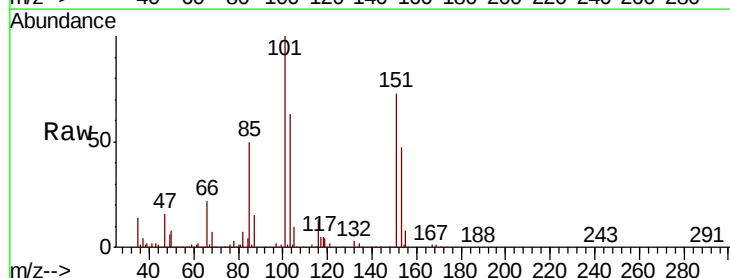
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

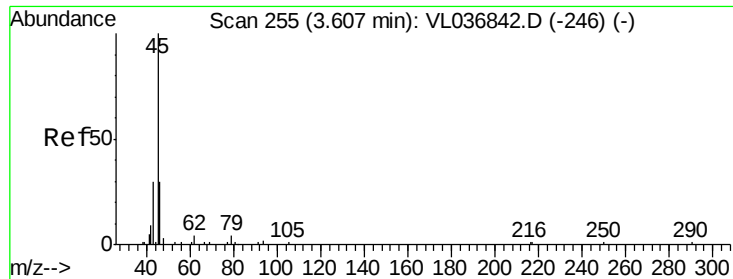
Tot Ion:101 Resp: 1919783
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.284 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion:101 Resp: 1283478
 Ion Ratio Lower Upper
 101 100
 151 76.7 61.1 91.7





#13

Ethanol

Concen: 2.251 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

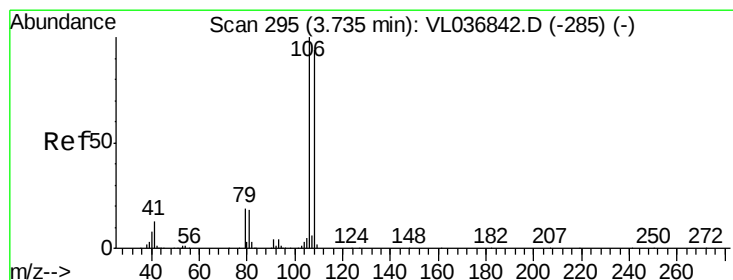
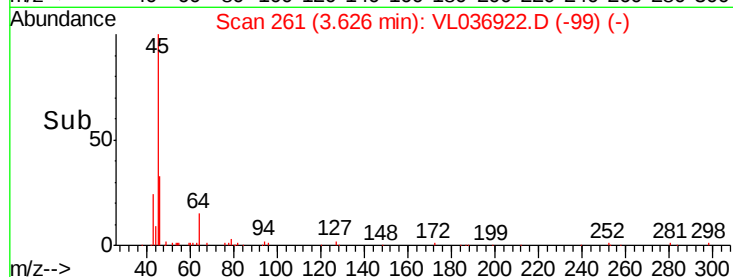
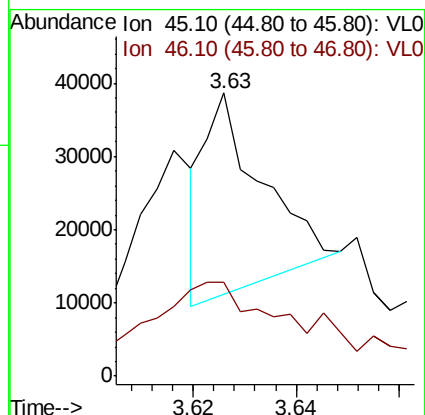
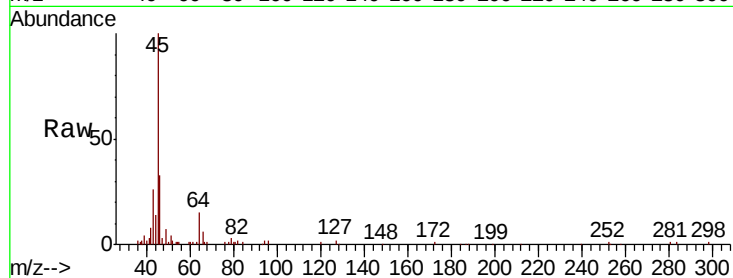
VSTDCCC010EC

Tot Ion: 45 Resp: 21131

Ion Ratio Lower Upper

45 100

46 169.2 16.8 67.4#



#14

Bromoethene

Concen: 10.963 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

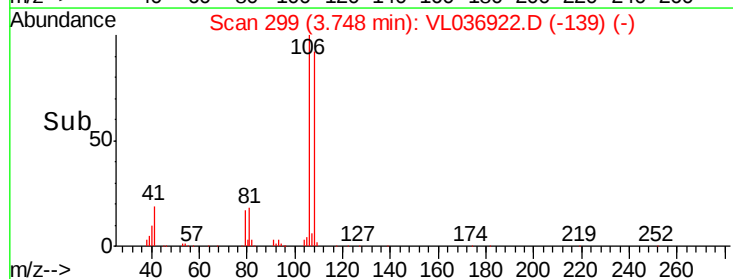
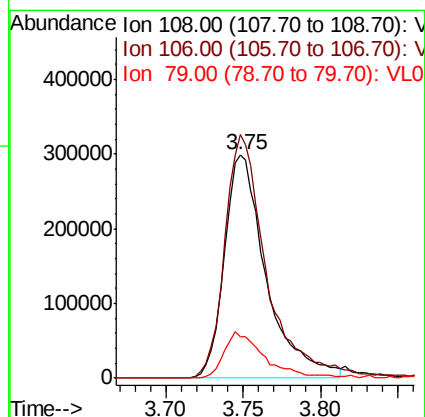
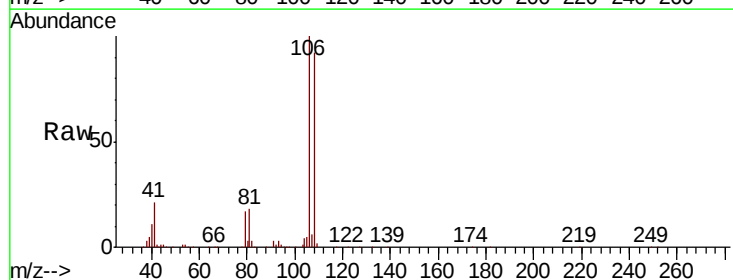
Tgt Ion: 108 Resp: 558979

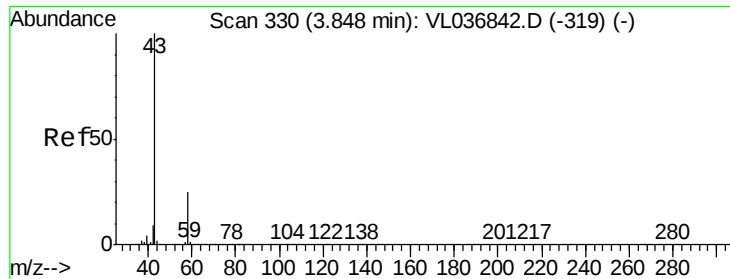
Ion Ratio Lower Upper

108 100

106 111.6 88.5 132.7

79 20.8 17.9 26.9

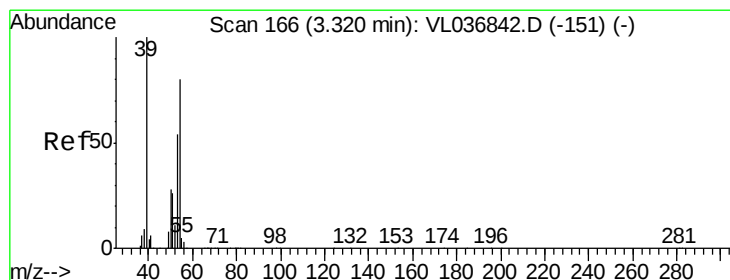
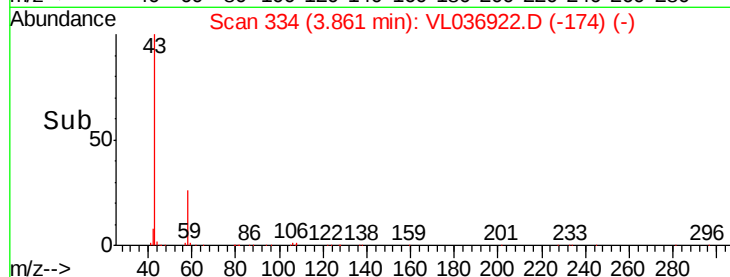
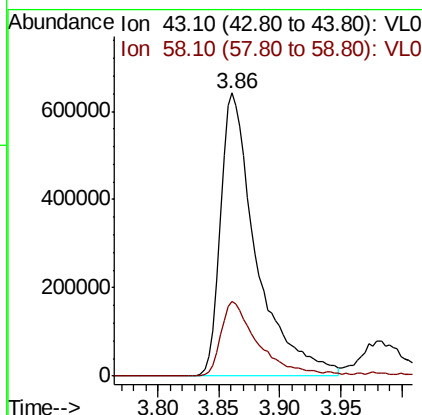
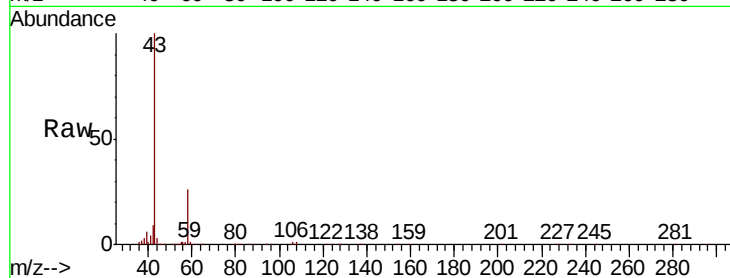




#15
Acetone
Concen: 10.542 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

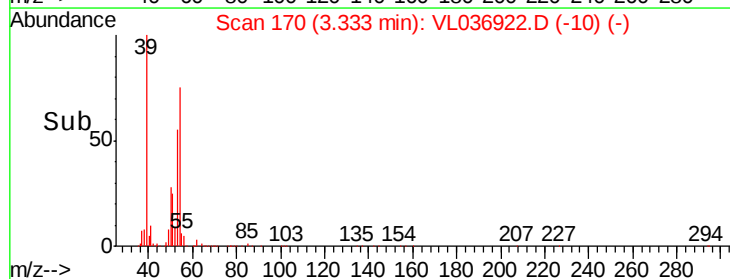
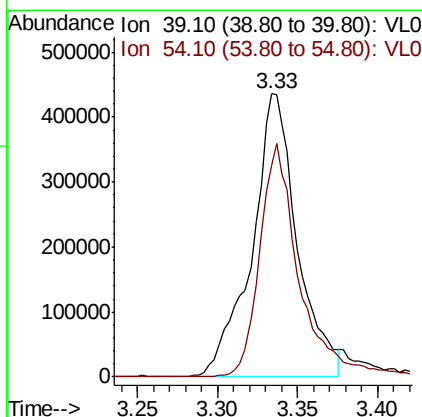
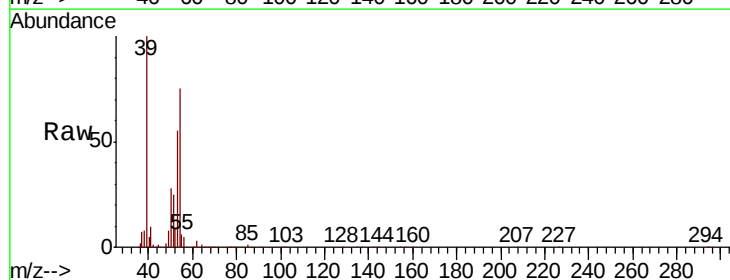
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

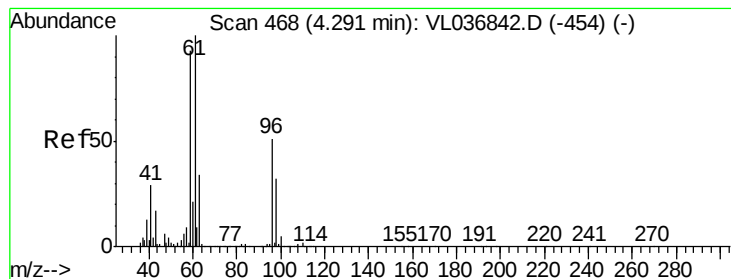
Tot Ion: 43 Resp: 1318015
Ion Ratio Lower Upper
43 100
58 28.0 21.7 32.5



#16
1,3-Butadiene
Concen: 10.675 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 39 Resp: 853447
Ion Ratio Lower Upper
39 100
54 73.6 59.6 89.4



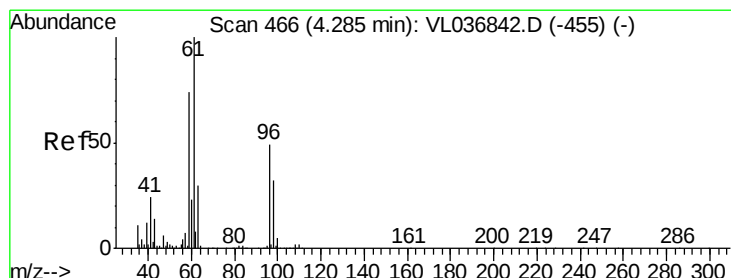
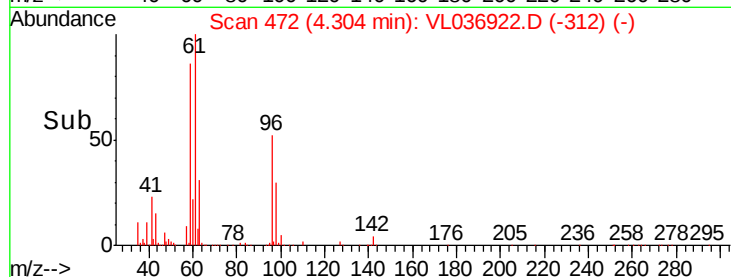
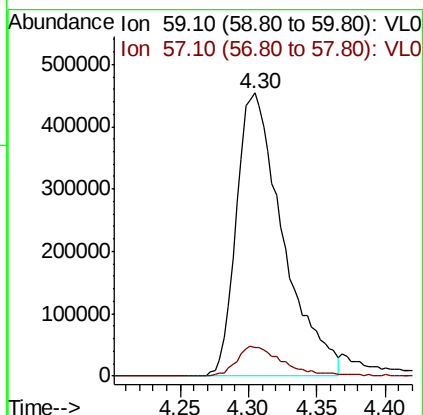
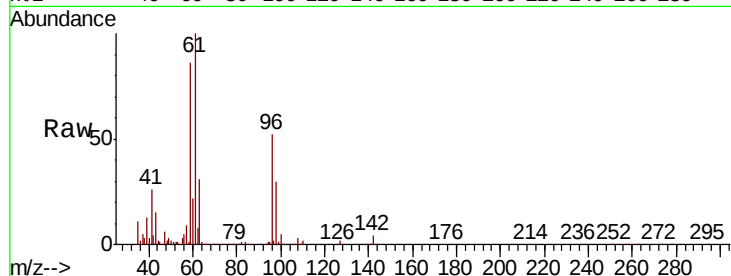


#17

tert-Butyl alcohol
 Concen: 10.606 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

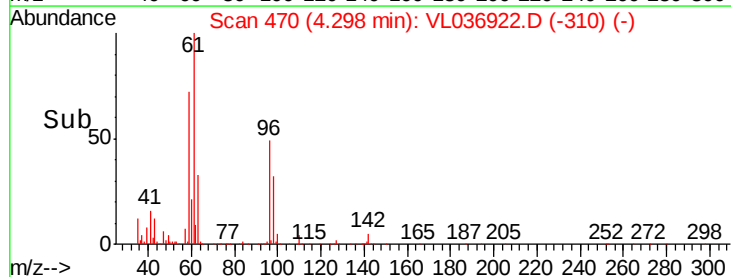
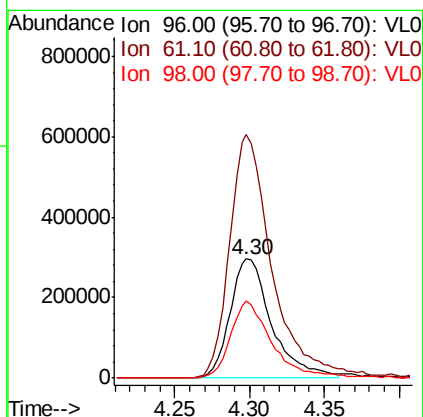
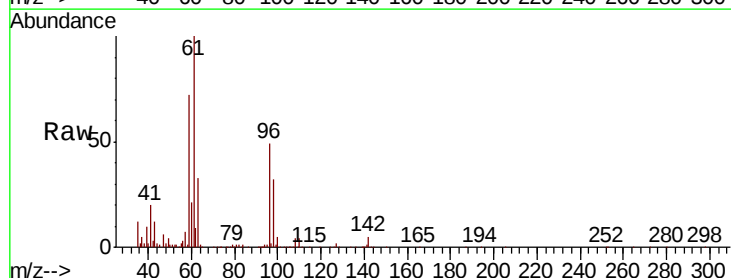
Tot Ion: 59 Resp: 1076353
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.3 12.5

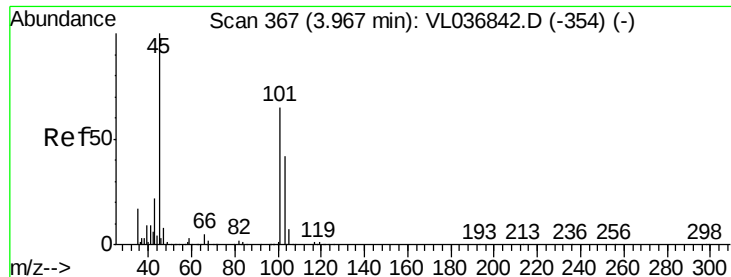


#18

1,1-Dichloroethene
 Concen: 10.552 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion: 96 Resp: 572341
 Ion Ratio Lower Upper
 96 100
 61 203.9 162.2 243.2
 98 64.4 51.8 77.6



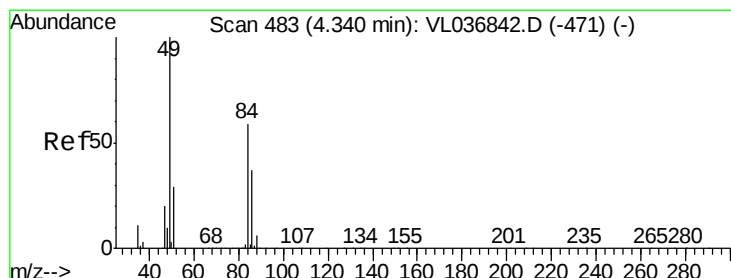
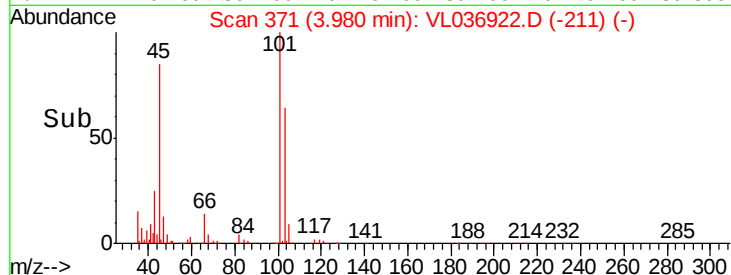
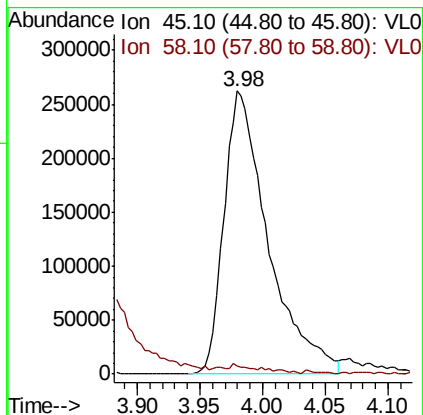
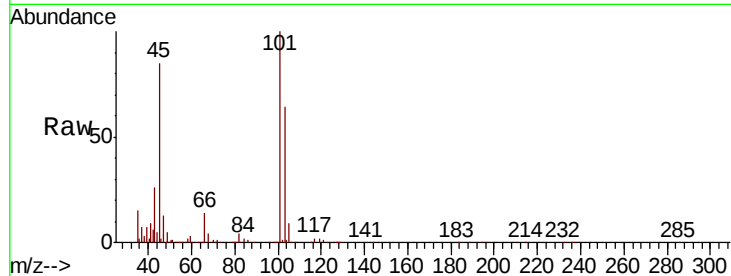


#19

Isopropyl Alcohol
 Concen: 10.281 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

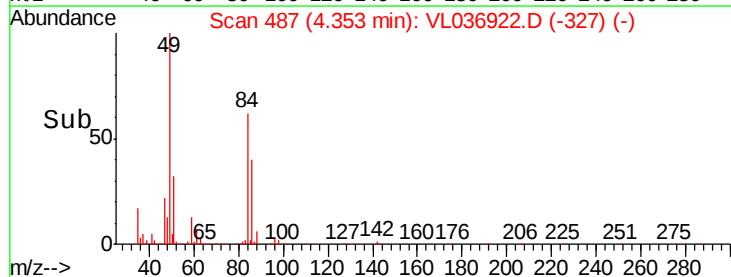
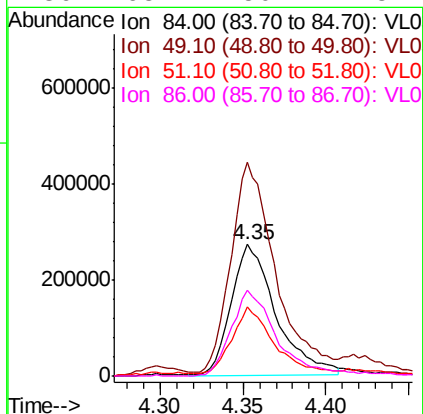
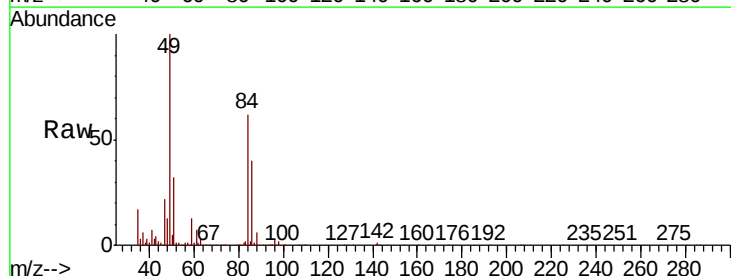
Tot Ion: 45 Resp: 636870
 Ion Ratio Lower Upper
 45 100
 58 2.8 2.8 4.2#

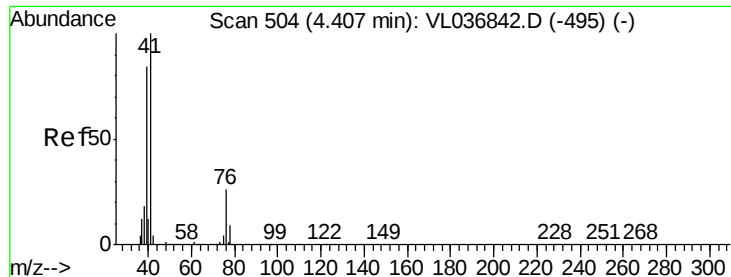


#20

Methylene Chloride
 Concen: 8.572 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion: 84 Resp: 512514
 Ion Ratio Lower Upper
 84 100
 49 160.8 135.4 203.0
 51 50.7 39.3 58.9
 86 65.2 50.2 75.2

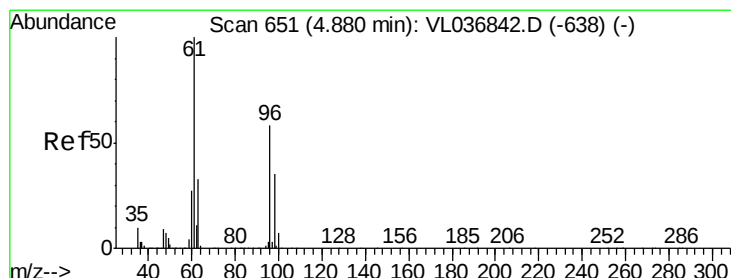
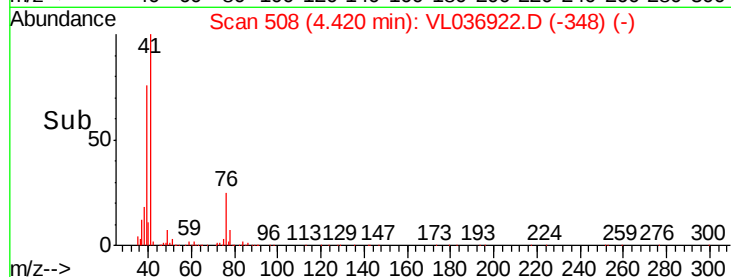
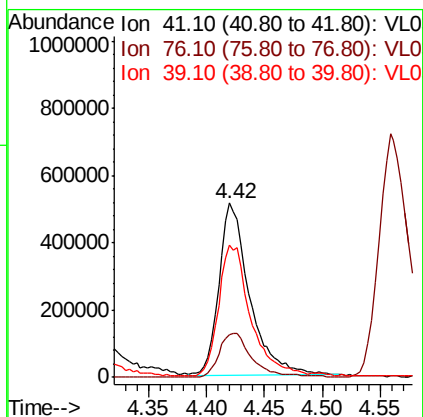
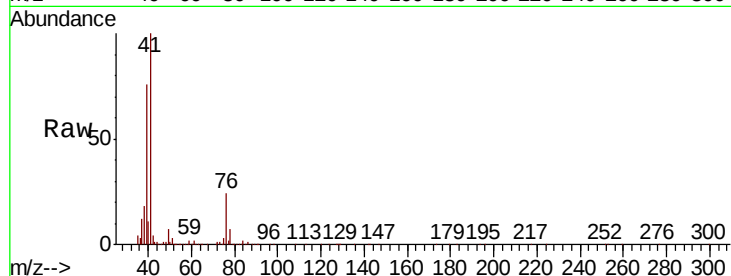




#21
Allvl Chloride
Concen: 10.173 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

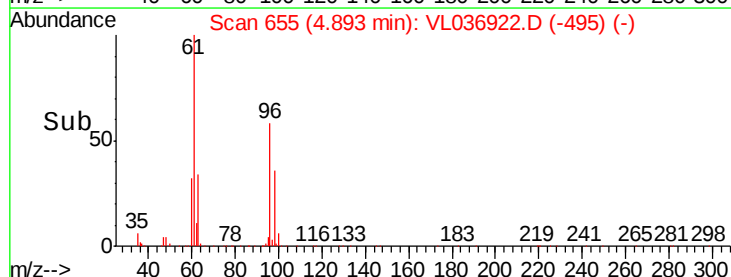
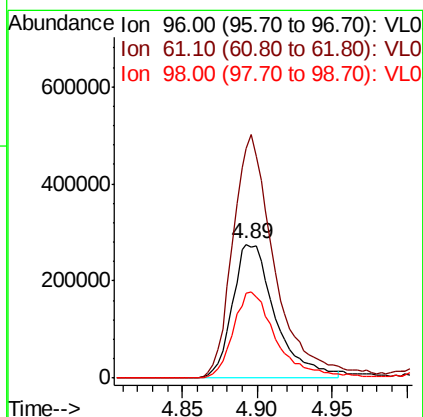
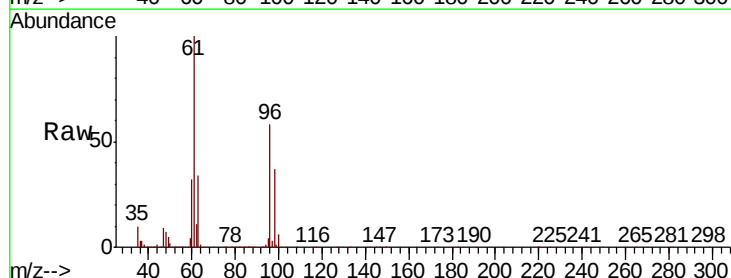
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

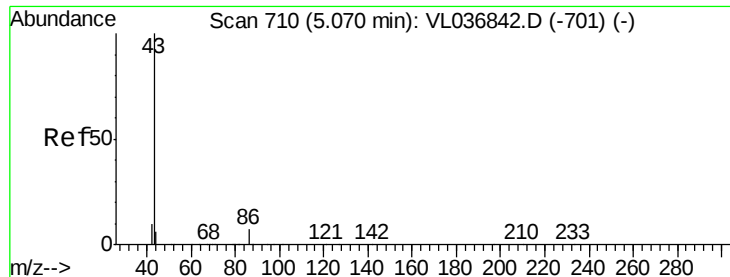
Tot Ion: 41 Resp: 945063
Ion Ratio Lower Upper
41 100
76 27.6 22.4 33.6
39 81.4 68.4 102.6



#22
trans-1,2-Dichloroethene
Concen: 10.140 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 96 Resp: 551918
Ion Ratio Lower Upper
96 100
61 171.6 138.6 207.8
98 63.0 48.1 72.1





#23

Vinyl Acetate

Concen: 13.842 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2354082

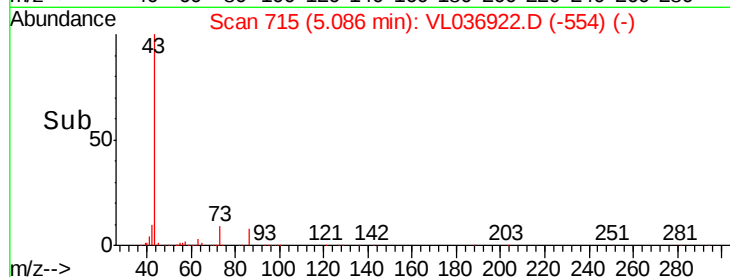
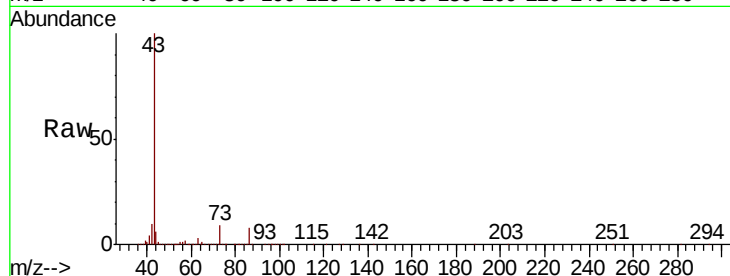
Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.3	7.9
42	9.9	8.7	13.1
44	5.5	3.9	5.9

43 100

86 7.8 5.3 7.9

42 9.9 8.7 13.1

44 5.5 3.9 5.9

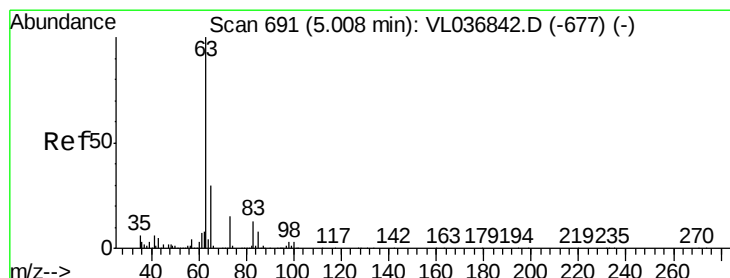
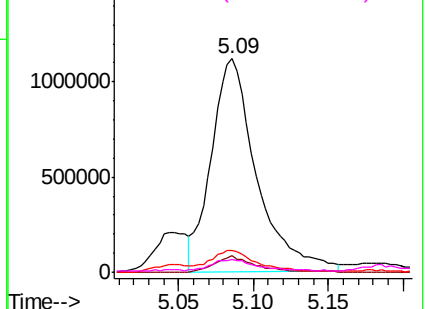


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.060 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

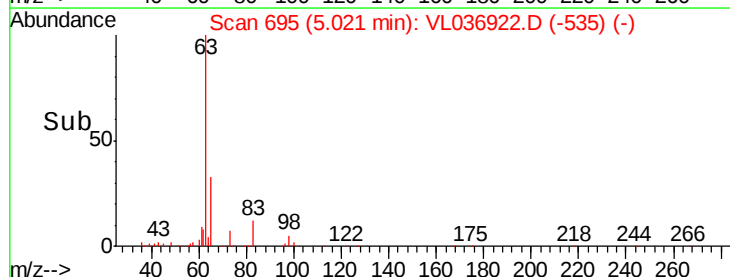
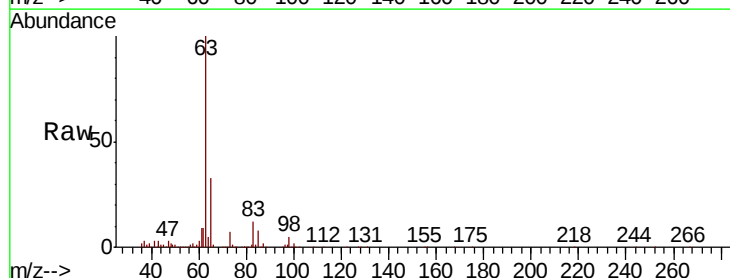
Tgt Ion: 63 Resp: 1576681

Ion	Ratio	Lower	Upper
63	100		
98	4.8	1.7	5.1
100	2.5	1.3	3.8

63 100

98 4.8 1.7 5.1

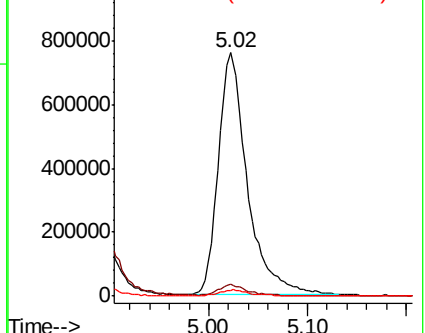
100 2.5 1.3 3.8

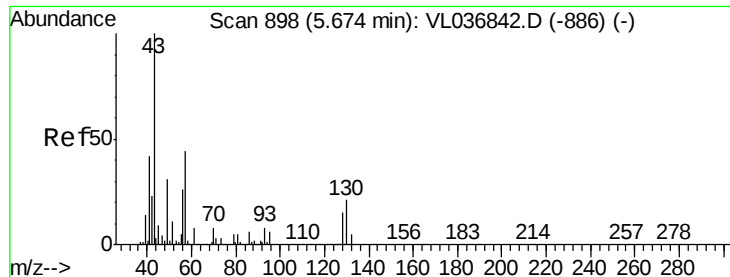


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



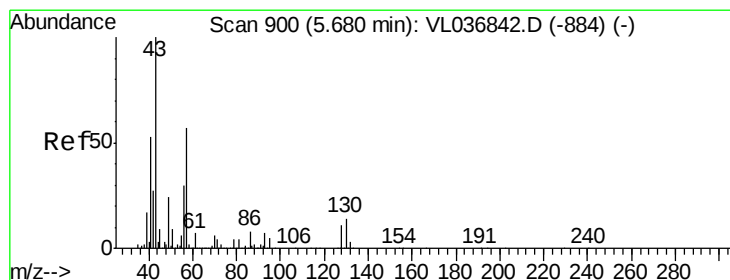
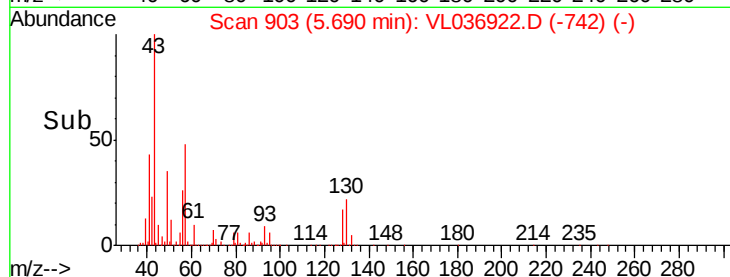
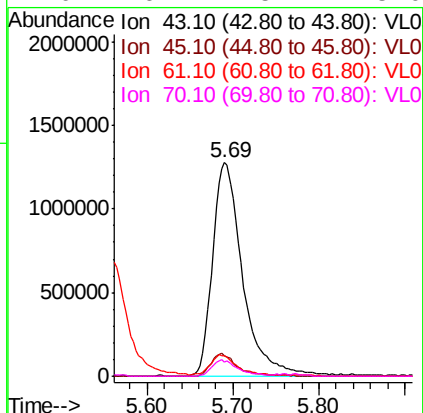
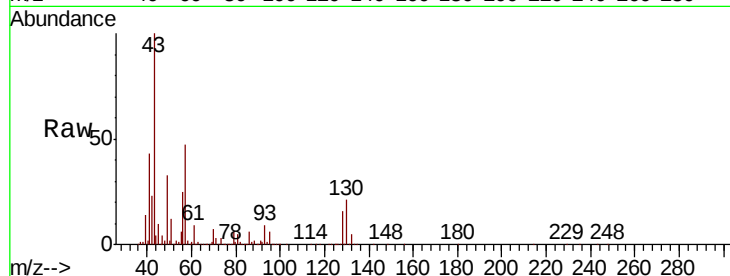


#25
Ethyl Acetate
Concen: 10.131 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 3093900

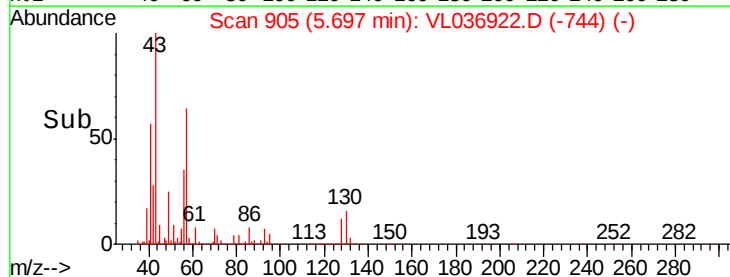
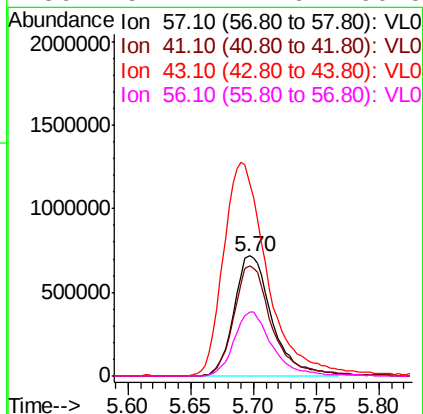
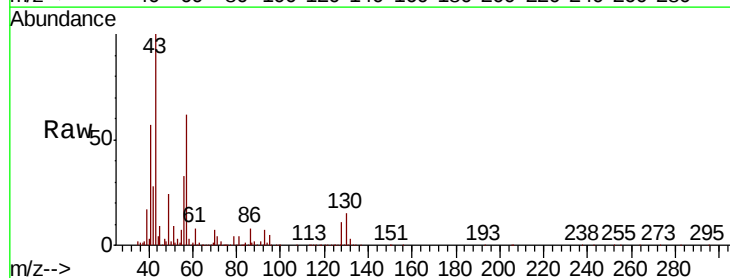
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.7	7.4	11.0
70	6.7	5.4	8.0

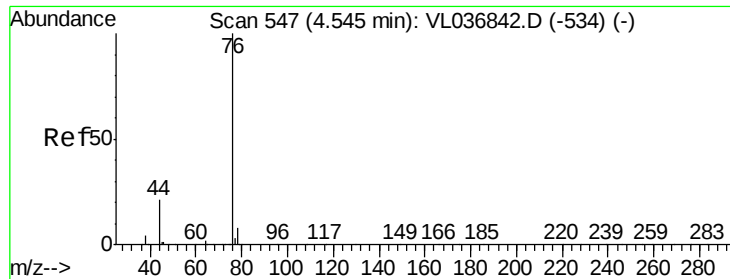


#26
Hexane
Concen: 10.546 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 57 Resp: 1506833

Ion	Ratio	Lower	Upper
57	100		
41	94.0	77.7	116.5
43	208.1	180.5	270.7
56	54.4	44.6	66.8





#27

Carbon Disulfide

Concen: 11.456 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

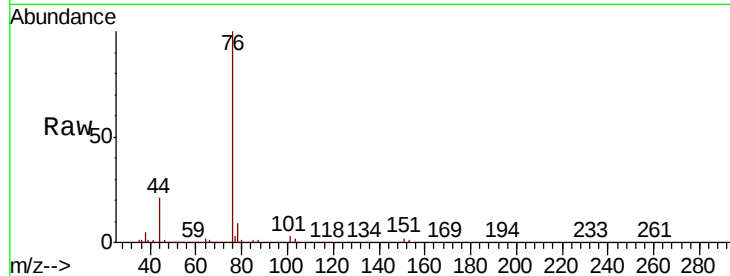
Tot Ion: 76 Resp: 1421774

Ion Ratio Lower Upper

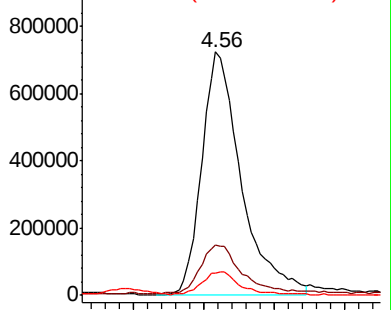
76 100

44 22.2 16.9 25.3

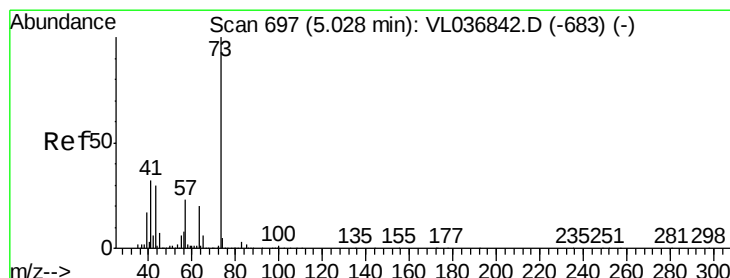
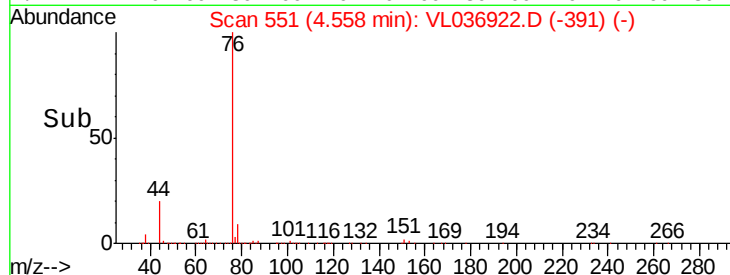
78 10.1 7.9 11.9



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



Time-->



#28

Methyl tert-Butyl Ether

Concen: 12.872 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL036922.D

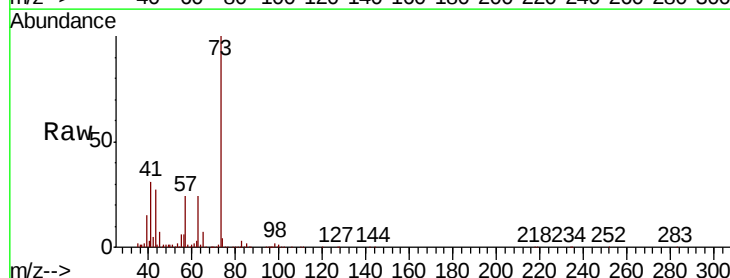
Acq: 7 May 2021 16:48

Tgt Ion: 73 Resp: 1630216

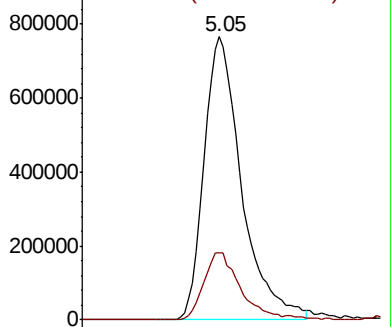
Ion Ratio Lower Upper

73 100

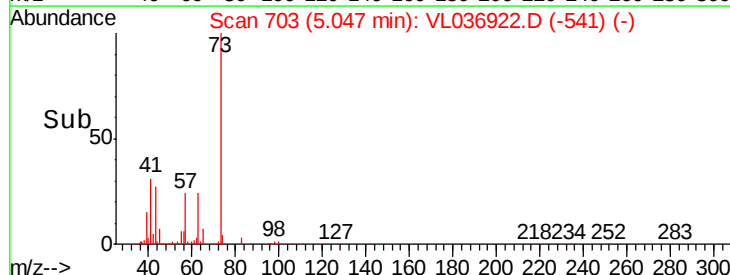
57 23.9 19.0 28.6

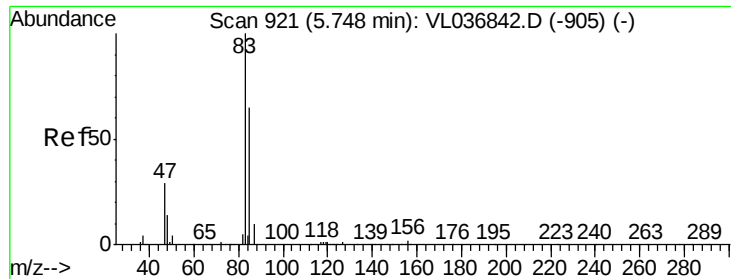


Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



Time-->





#29

Chloroform

Concen: 10.268 ppbv

RT: 5.76 min Scan# 926

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

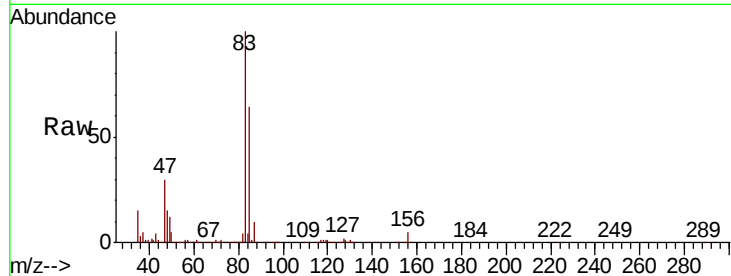
VSTDCCC010EC

Tot Ion: 83 Resp: 2287321

Ion Ratio Lower Upper

83 100

85 64.1 52.2 78.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

1200000

1000000

800000

600000

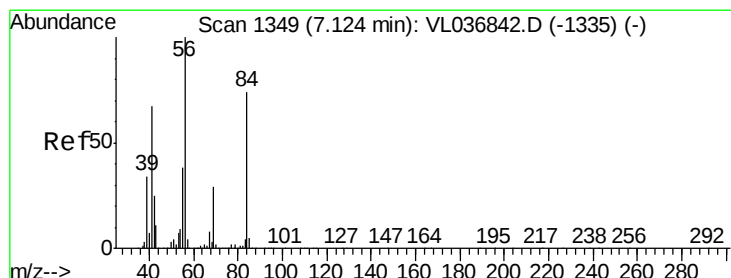
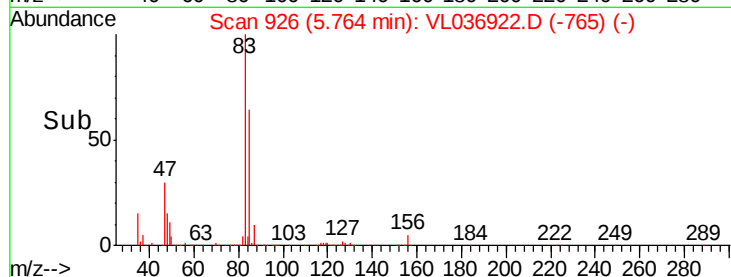
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#30

Cyclohexane

Concen: 10.945 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

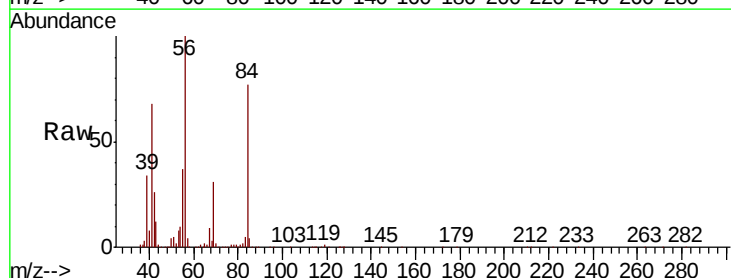
Tgt Ion: 84 Resp: 1240138

Ion Ratio Lower Upper

84 100

56 143.6 115.8 173.6

41 89.8 74.6 111.8



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

1000000

800000

600000

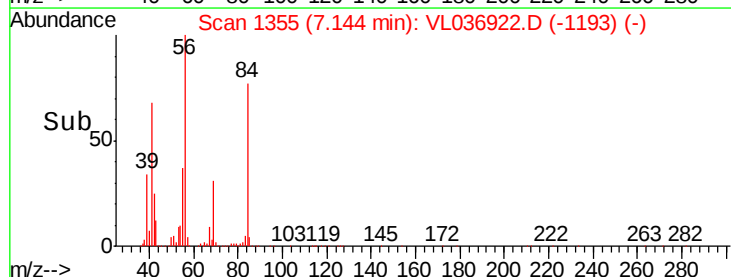
400000

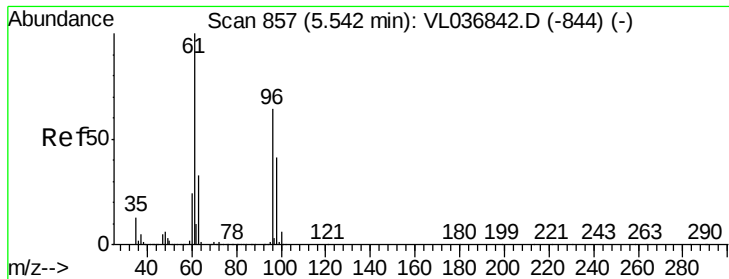
200000

0

7.05 7.10 7.15 7.20

Time-->



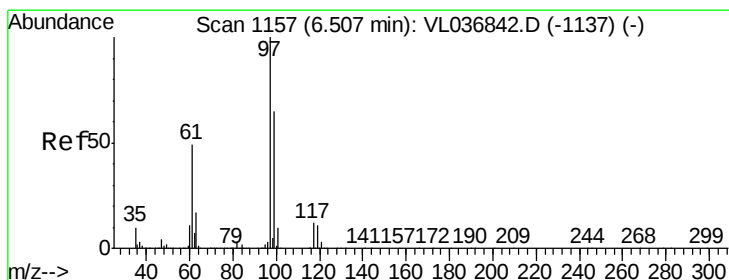
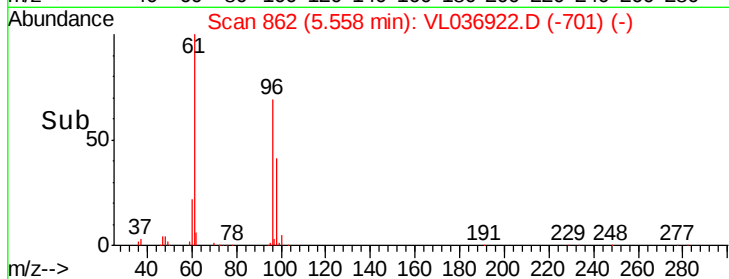
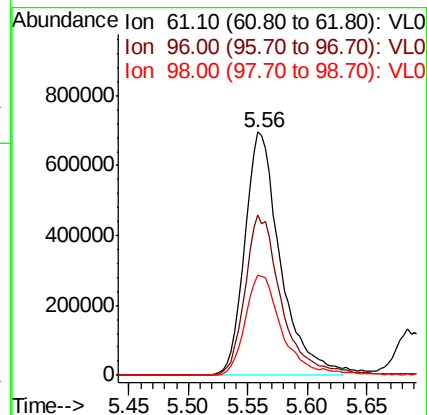
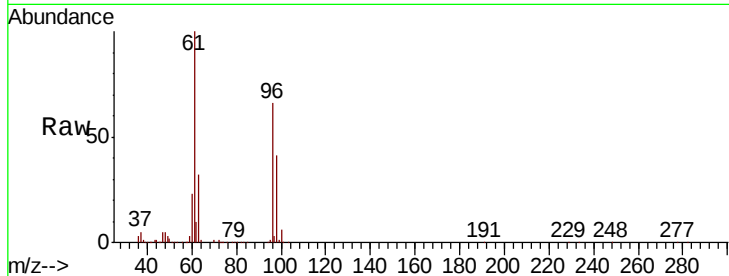


#31

cis-1,2-Dichloroethene
 Concen: 11.215 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

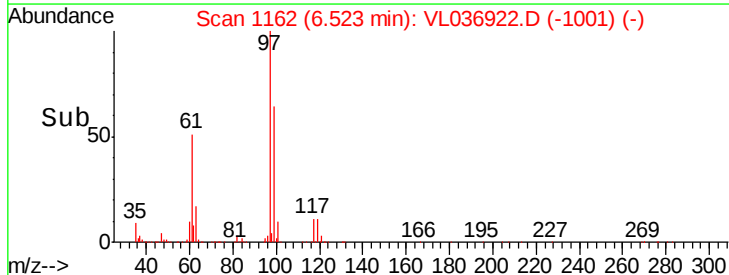
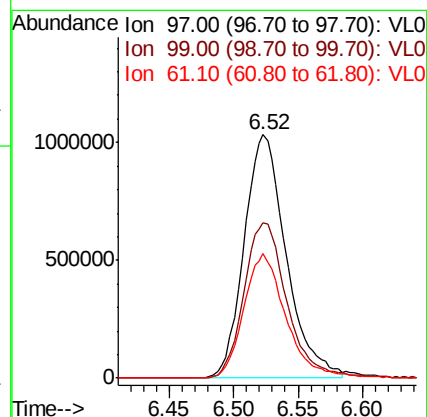
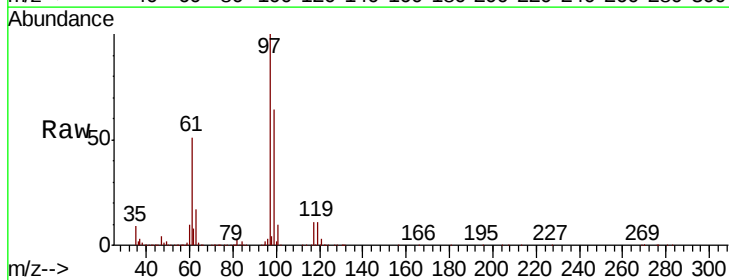
Tot Ion: 61 Resp: 1438299
 Ion Ratio Lower Upper
 61 100
 96 65.9 51.0 76.6
 98 41.3 32.7 49.1

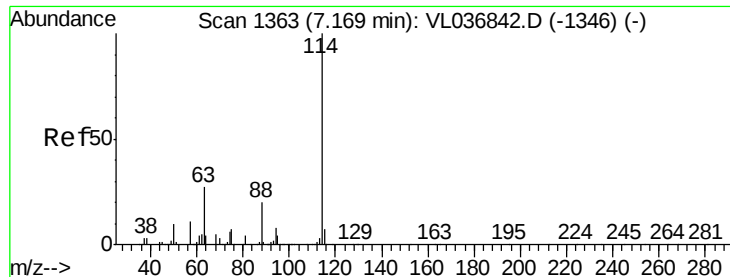


#32

1,1,1-Trichloroethane
 Concen: 10.353 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion: 97 Resp: 2345232
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.8 77.6
 61 51.3 40.8 61.2

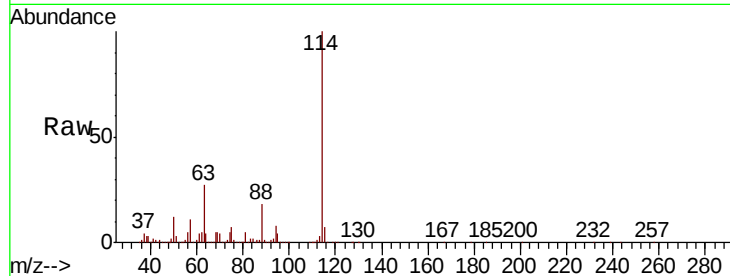




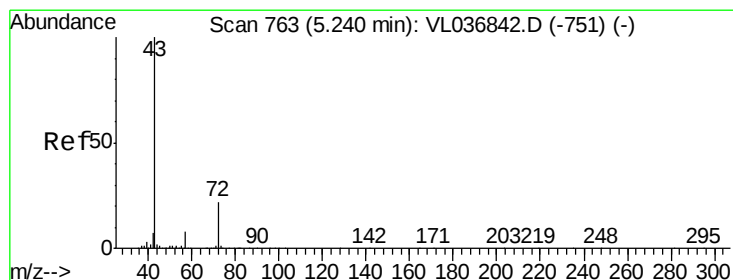
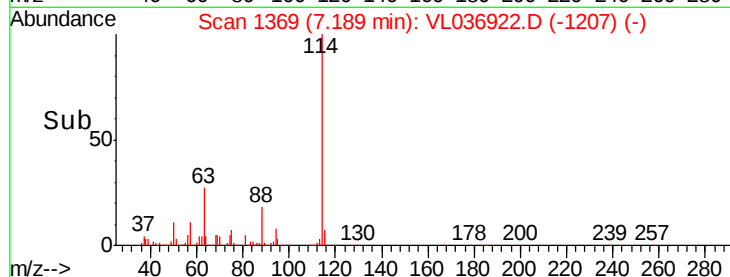
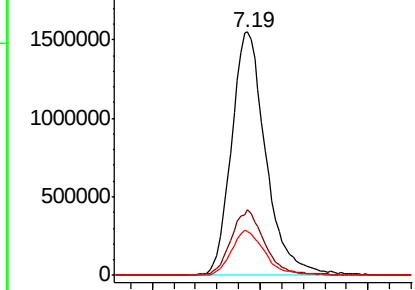
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3428571
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.9 32.9
 88 18.2 15.1 22.7

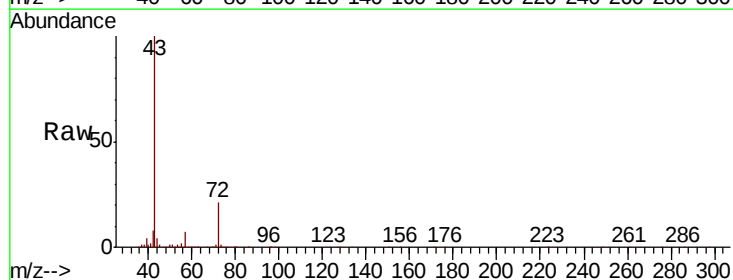


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

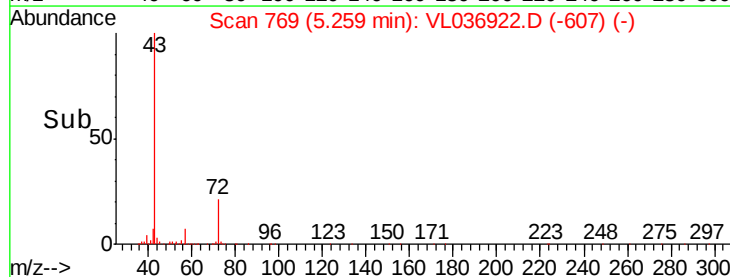
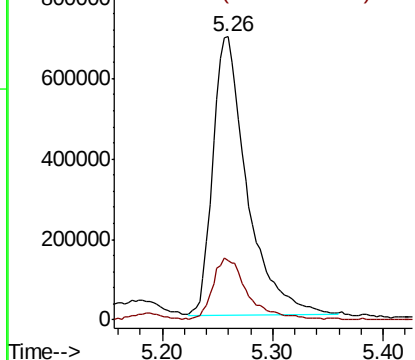


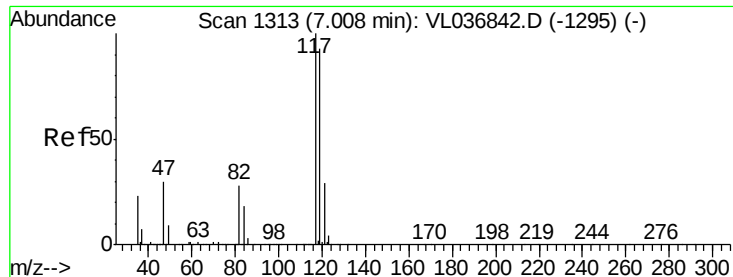
#34
 2-Butanone
 Concen: 9.946 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion: 43 Resp: 1493822
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.6 26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.640 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

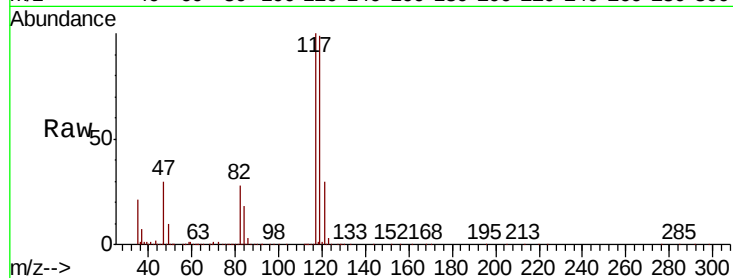
Tot Ion:117 Resp: 2475305

Ion Ratio Lower Upper

117 100

119 98.4 74.6 111.8

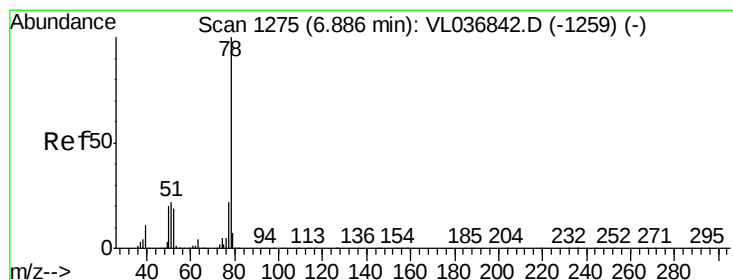
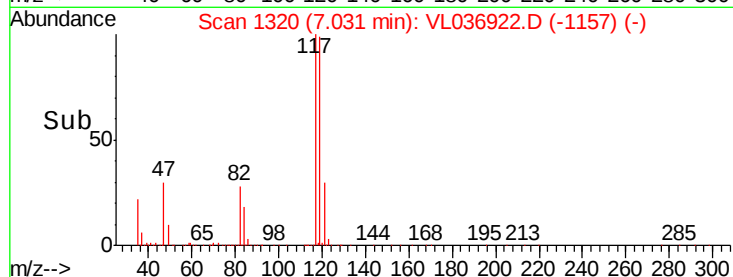
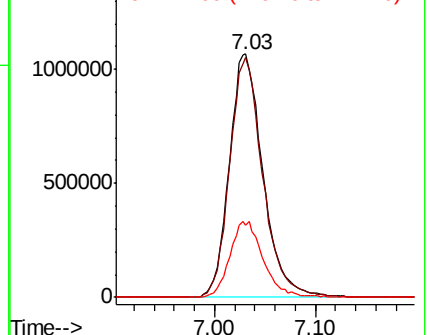
121 29.8 23.3 34.9



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: 10.807 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

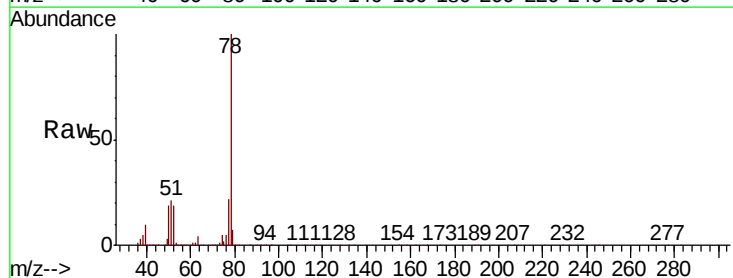
Tgt Ion: 78 Resp: 3121732

Ion Ratio Lower Upper

78 100

77 21.9 17.6 26.4

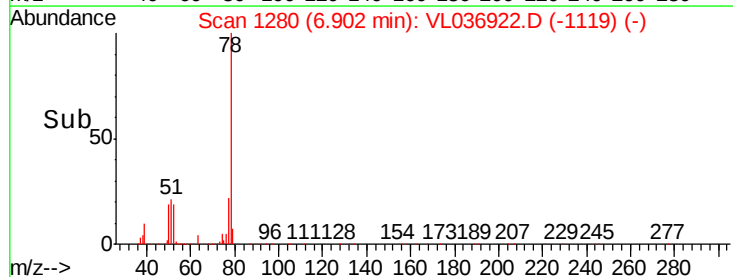
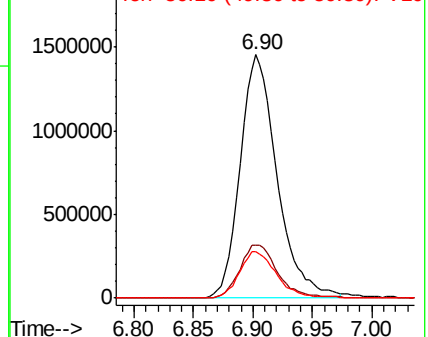
50 19.1 16.3 24.5

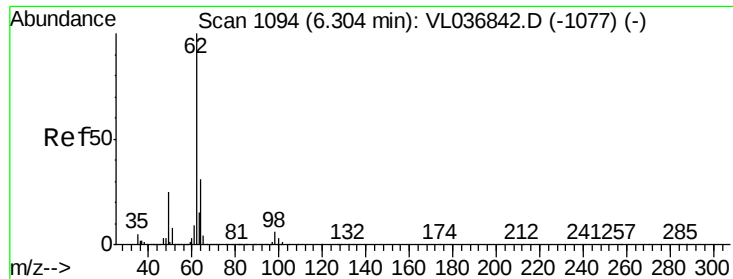


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

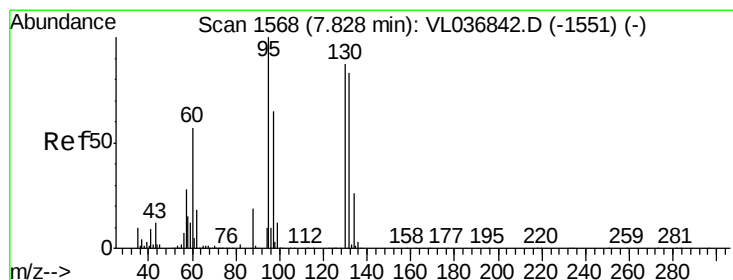
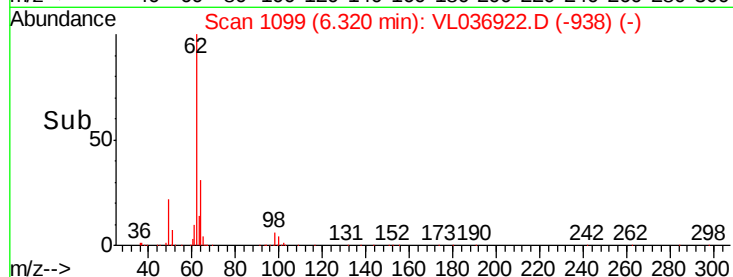
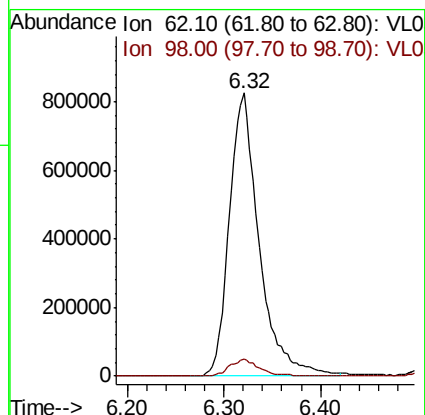
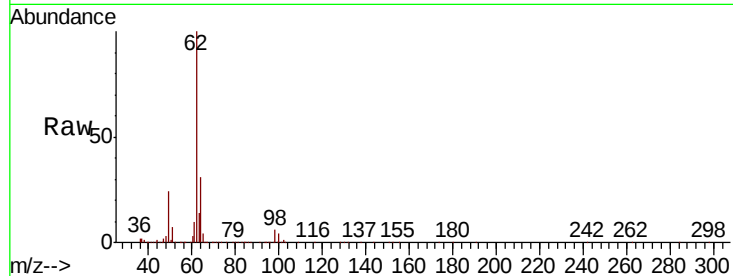




#37
 1,2-Dichloroethane
 Concen: 10.788 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

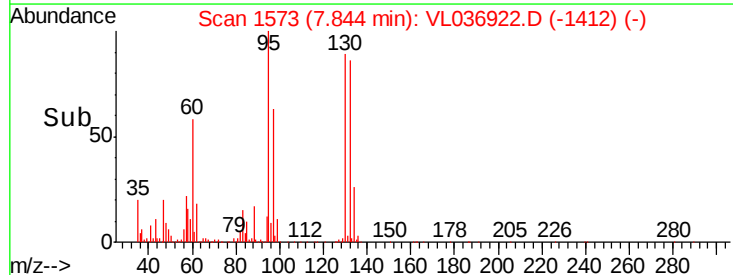
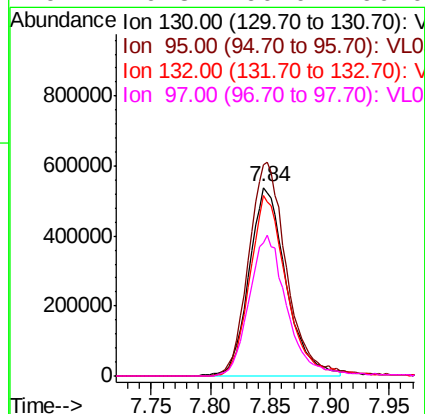
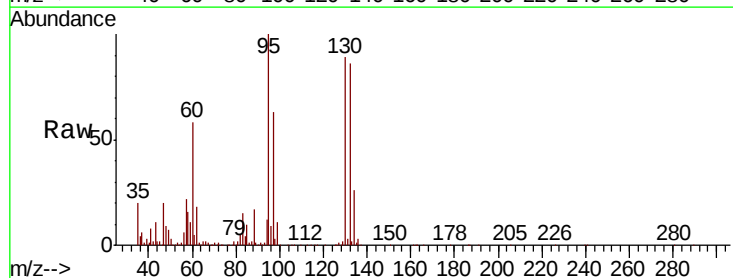
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

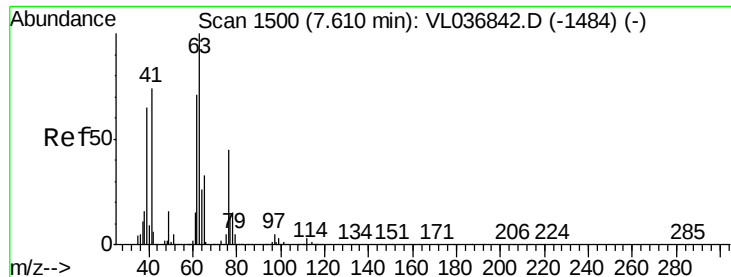
Tot Ion: 62 Resp: 1764698
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2



#38
 Trichloroethene
 Concen: 11.188 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion:130 Resp: 1150741
 Ion Ratio Lower Upper
 130 100
 95 111.9 92.3 138.5
 132 95.8 76.8 115.2
 97 70.8 60.0 90.0





#39

1,2-Dichloropropane

Concen: 10.606 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

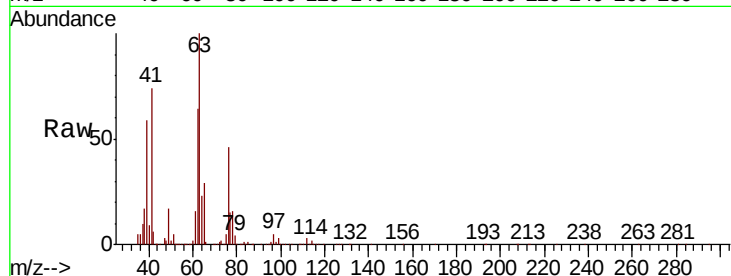
Tot Ion: 63 Resp: 1227409

Ion Ratio Lower Upper

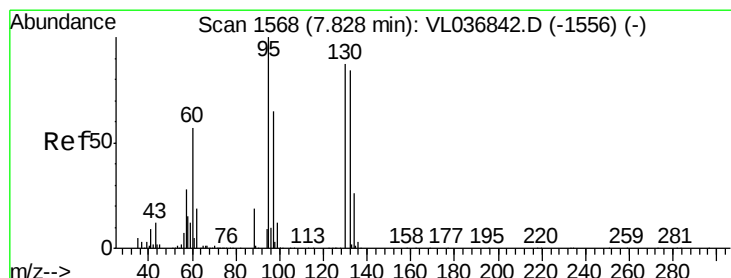
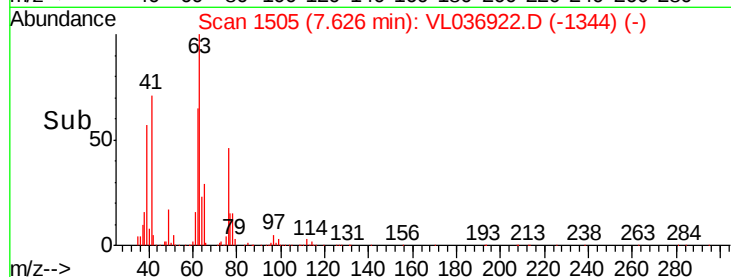
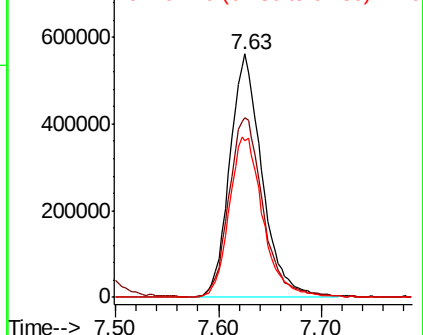
63 100

41 73.7 59.1 88.7

62 64.3 56.9 85.3



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.668 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion: 88 Resp: 242240

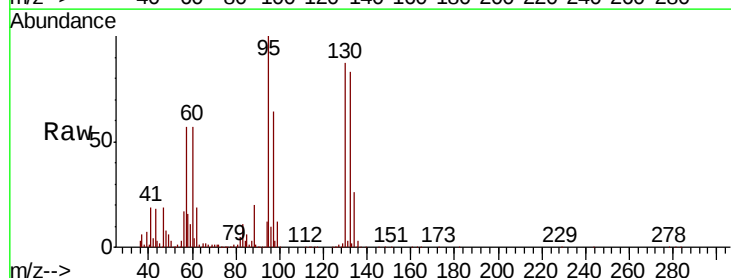
Ion Ratio Lower Upper

88 100

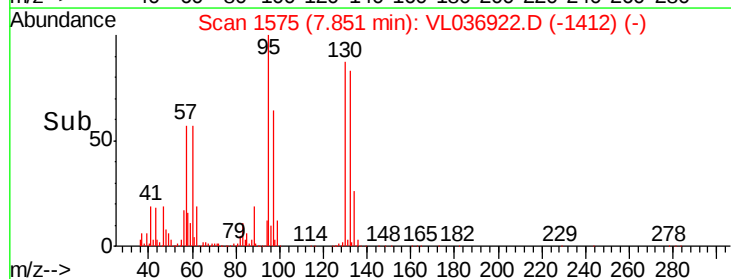
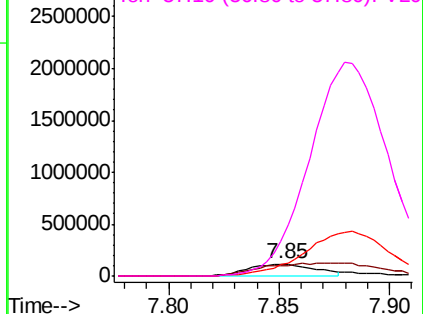
58 0.0 132.6 198.8#

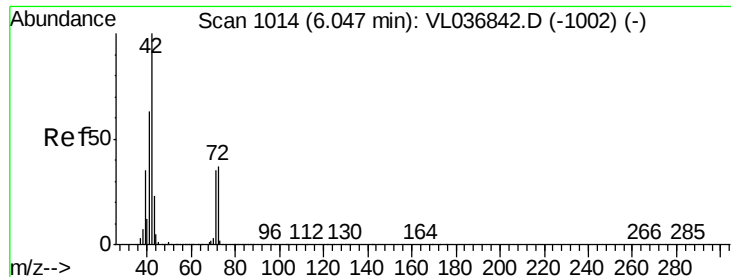
43 0.0 331.5 497.3#

57 0.0 1457.4 2186.0#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.985 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

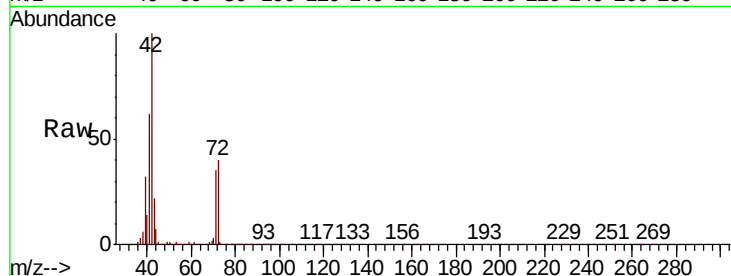
Tot Ion: 42 Resp: 656021

Ion Ratio Lower Upper

42 100

72 39.1 29.7 44.5

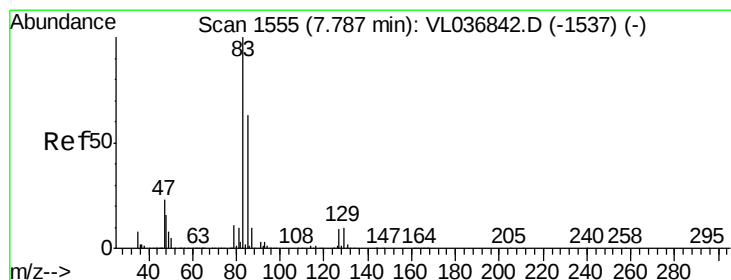
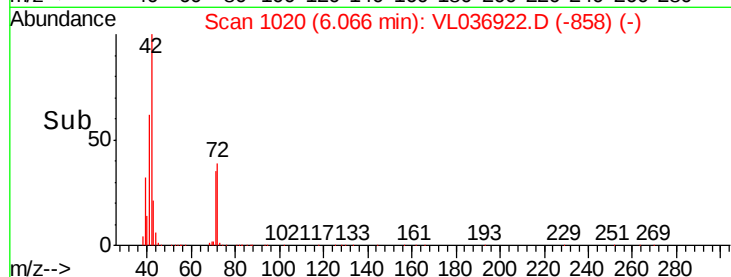
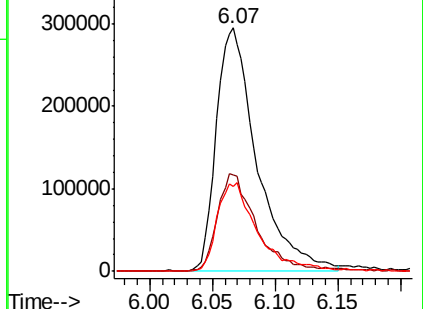
71 37.4 29.0 43.6



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: 11.085 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

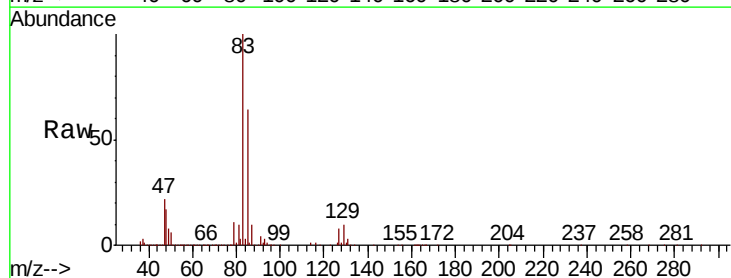
Tgt Ion: 83 Resp: 2519374

Ion Ratio Lower Upper

83 100

85 63.7 50.4 75.6

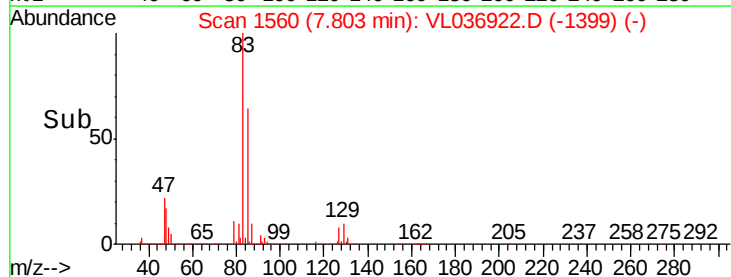
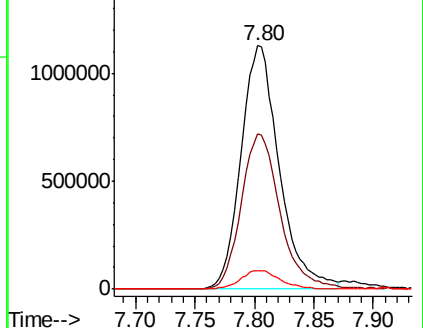
127 7.5 6.9 10.3

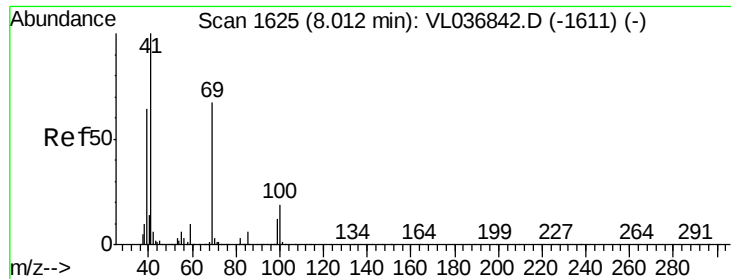


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

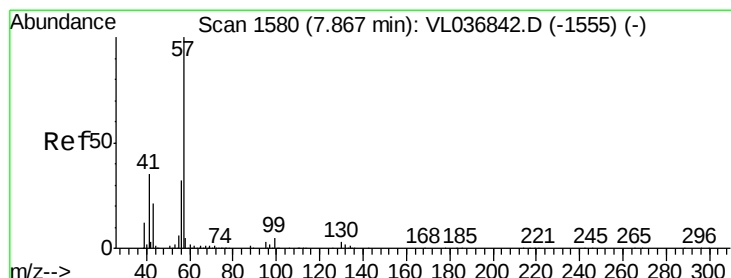
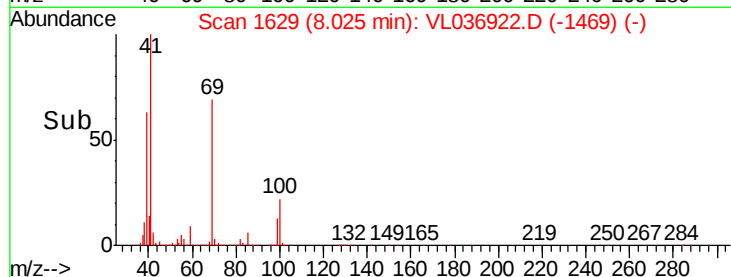
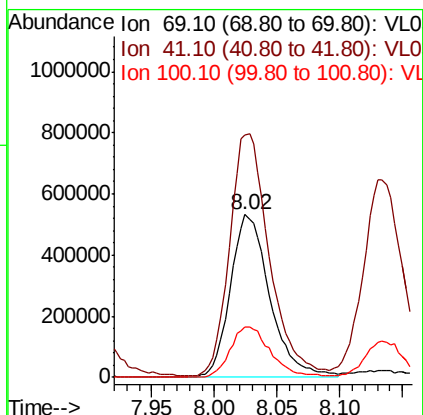
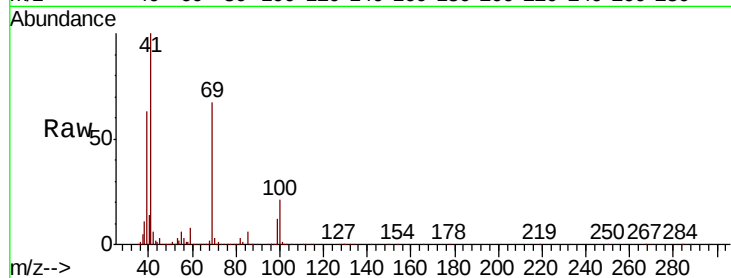




#43
Methvl Methacrvlate
Concen: 12.331 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

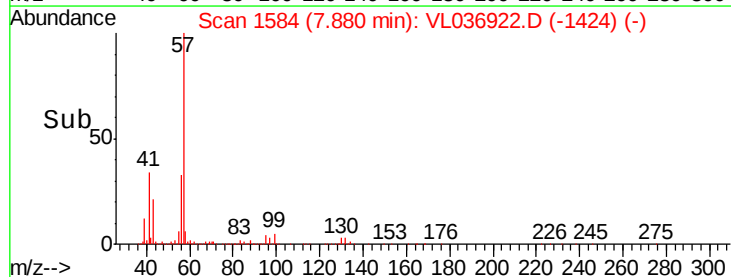
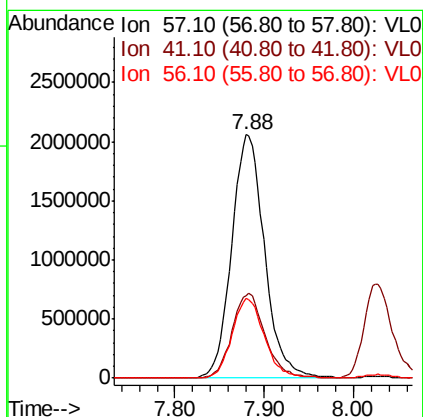
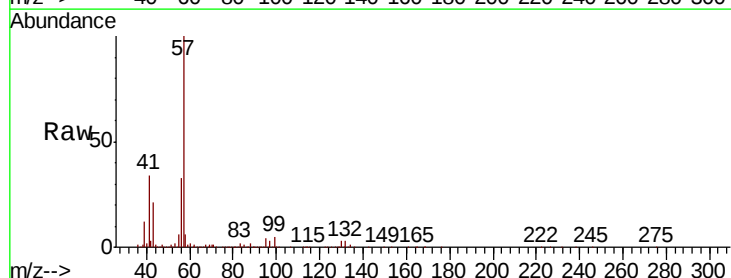
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

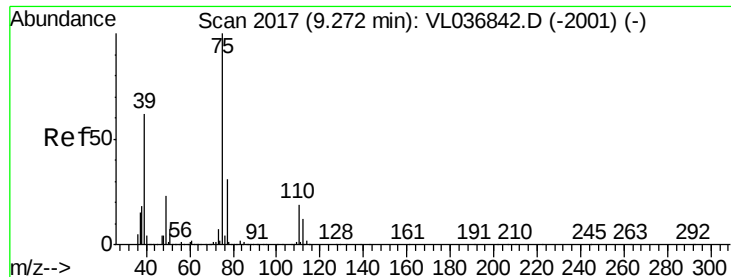
Tot Ion: 69 Resp: 1162283
Ion Ratio Lower Upper
69 100
41 151.2 124.2 186.4
100 31.7 25.5 38.3



#44
2,2,4-Trimethylpentane
Concen: 10.629 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 57 Resp: 5261905
Ion Ratio Lower Upper
57 100
41 35.0 28.2 42.4
56 32.3 25.9 38.9

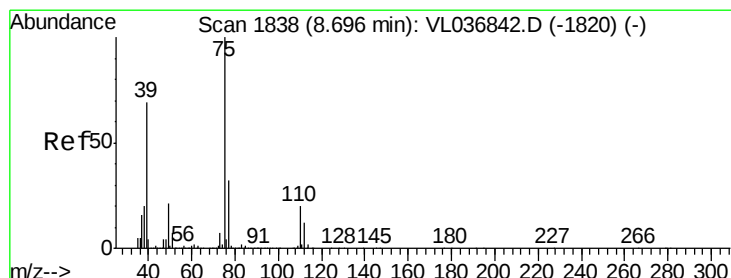
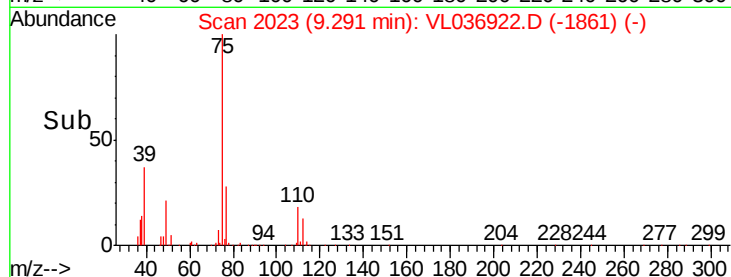
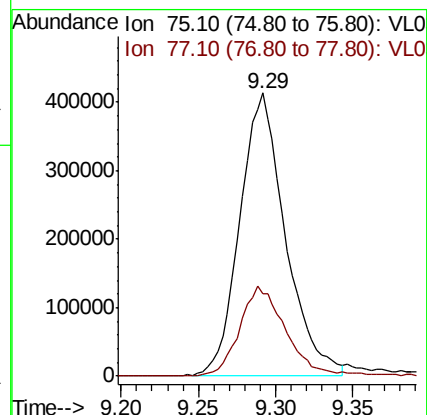
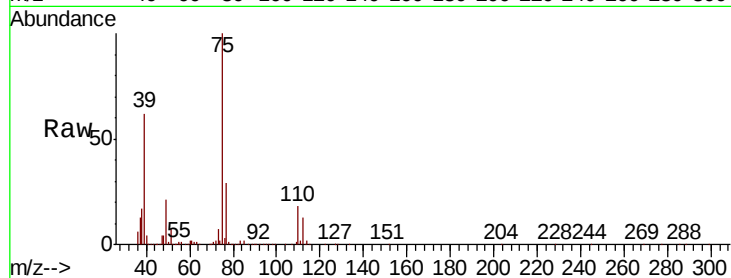




#45
 t-1,3-Dichloropropene
 Concen: 8.247 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

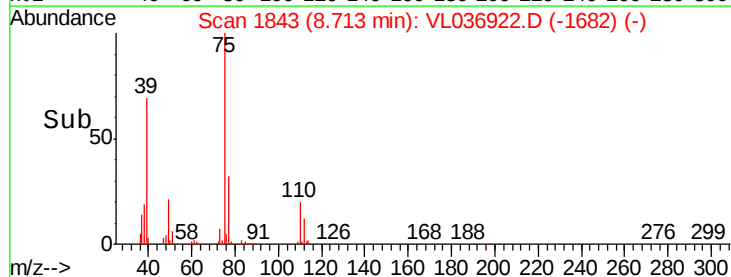
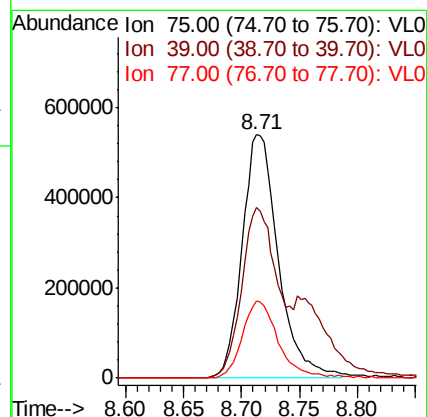
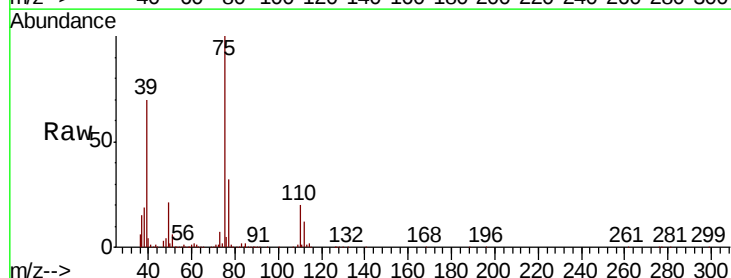
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

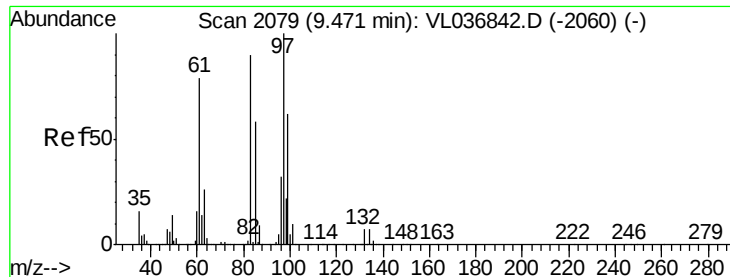
Tot Ion: 75 Resp: 837971
 Ion Ratio Lower Upper
 75 100
 77 29.0 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 8.977 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion: 75 Resp: 1169567
 Ion Ratio Lower Upper
 75 100
 39 69.9 55.4 83.0
 77 31.8 25.2 37.8



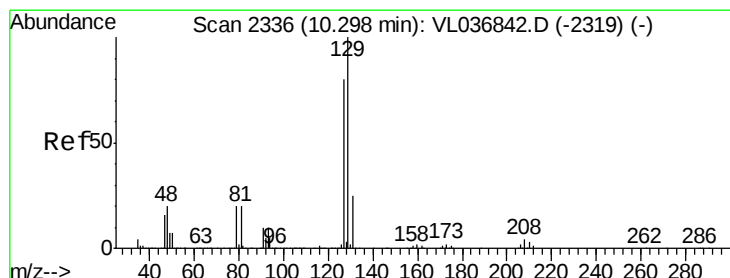
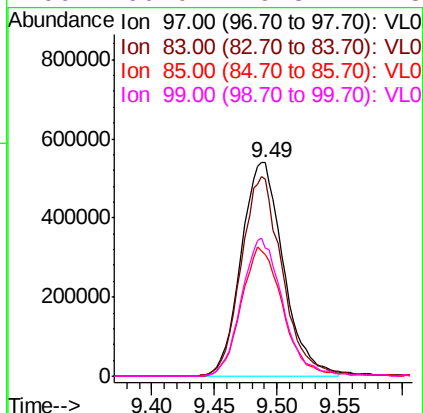
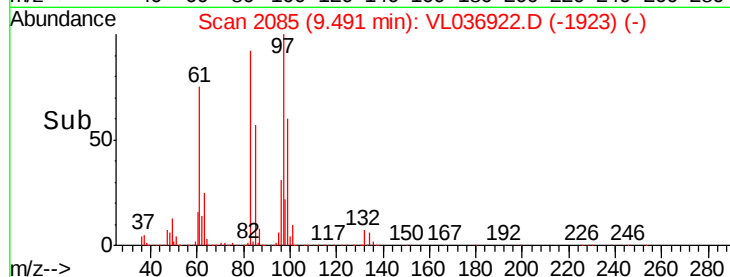
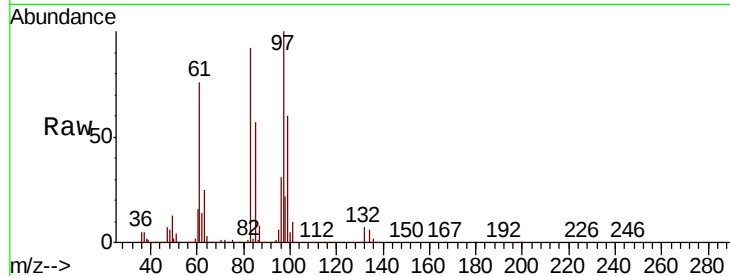


#47
 1,1,2-Trichloroethane
 Concen: 10.582 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 97 Resp: 1267912

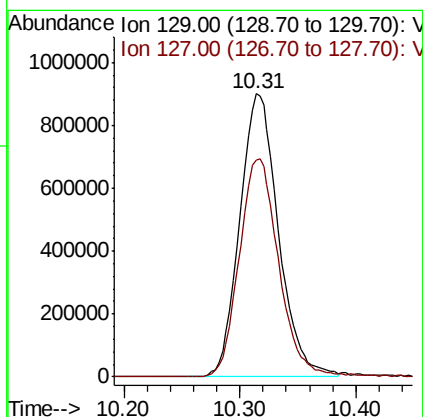
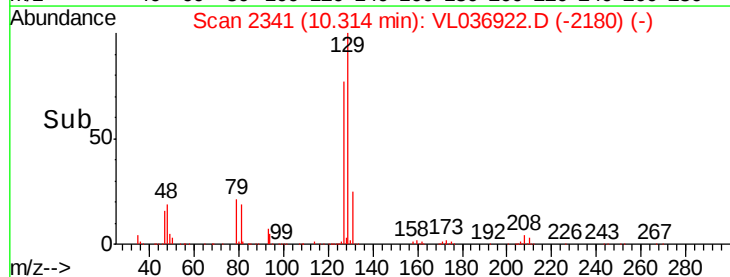
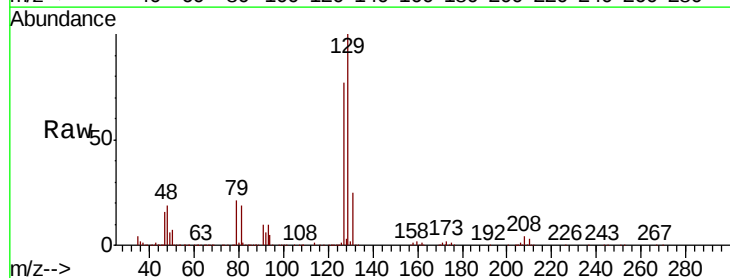
Ion	Ratio	Lower	Upper
97	100		
83	91.9	71.9	107.9
85	57.0	46.5	69.7
99	60.0	49.8	74.8

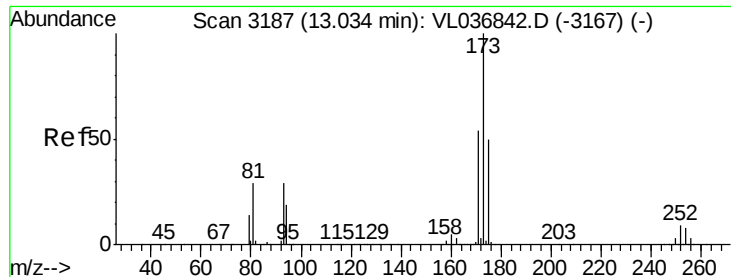


#48
 Dibromochloromethane
 Concen: 11.772 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion: 129 Resp: 2090132

Ion	Ratio	Lower	Upper
129	100		
127	79.2	40.2	120.5





#49

Bromoform

Concen: 12.384 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

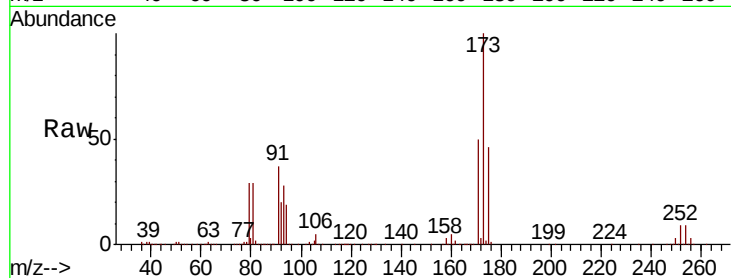
Tot Ion:173 Resp: 1755241

Ion Ratio Lower Upper

173 100

175 49.7 39.6 59.4

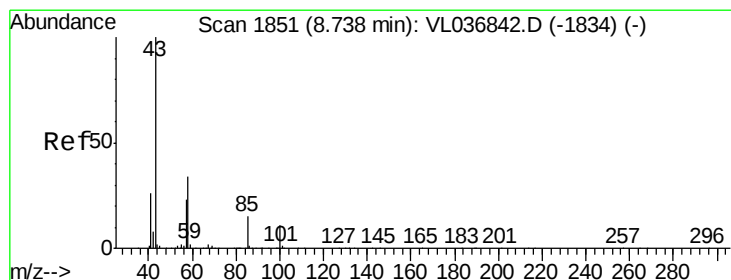
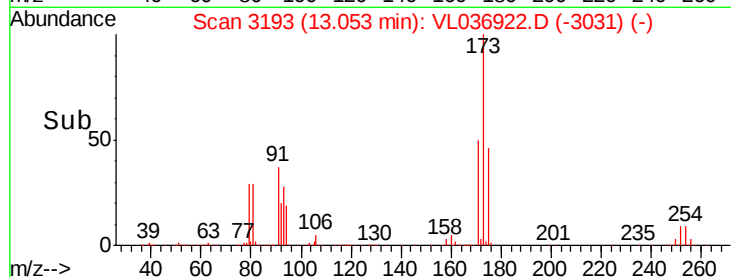
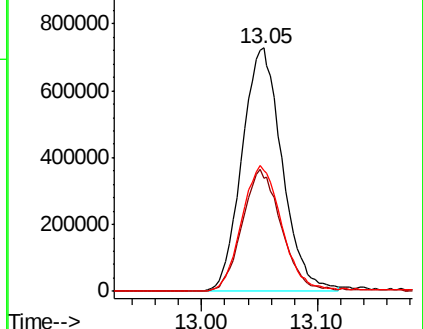
171 52.6 42.2 63.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.597 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.02 min

Lab File: VL036922.D

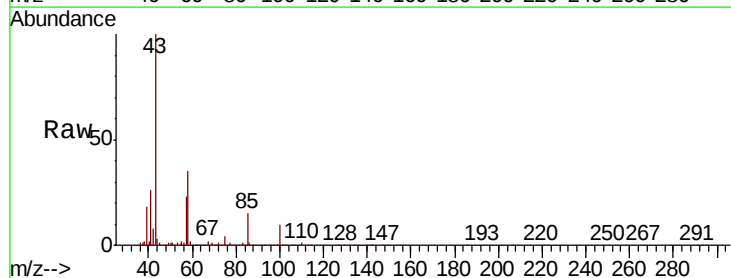
Acq: 7 May 2021 16:48

Tgt Ion: 43 Resp: 2175404

Ion Ratio Lower Upper

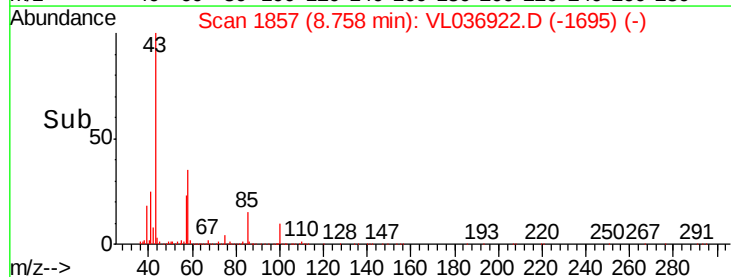
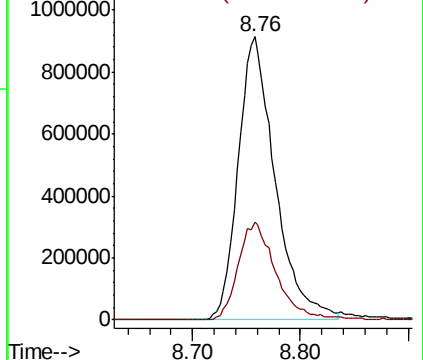
43 100

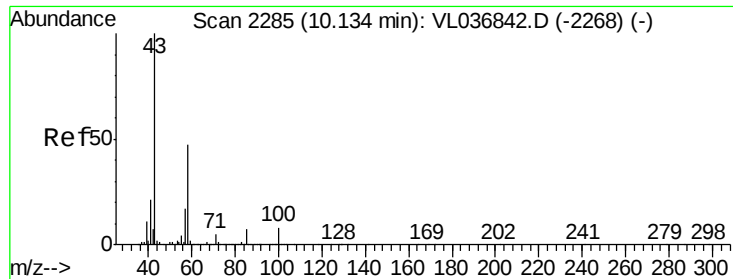
58 35.7 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.927 ppbv

RT: 10.15 min Scan# 2291

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

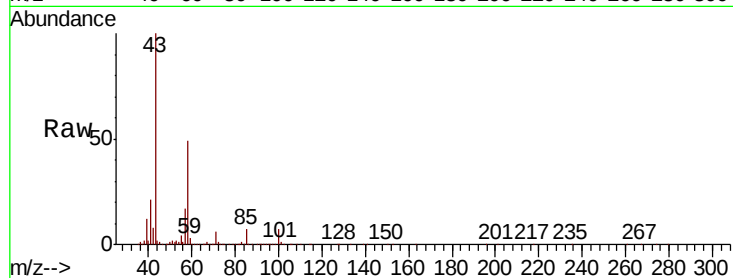
Tot Ion: 43 Resp: 1118882

Ion Ratio Lower Upper

43 100

58 49.2 37.0 55.6

98 0.5 0.2 0.4#

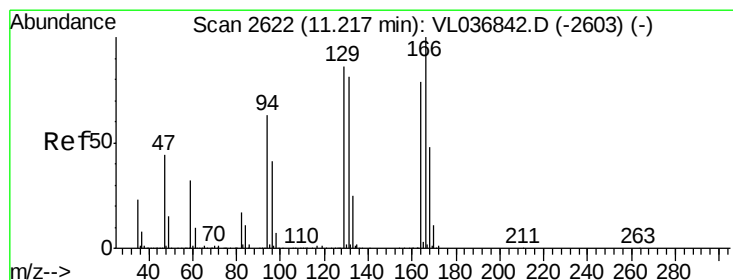
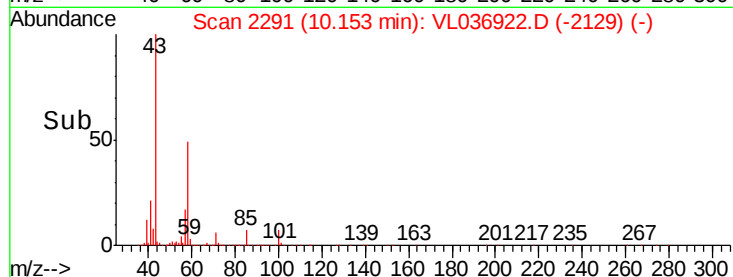
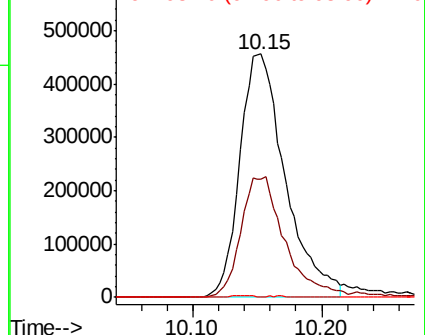


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.755 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion: 164 Resp: 1057943

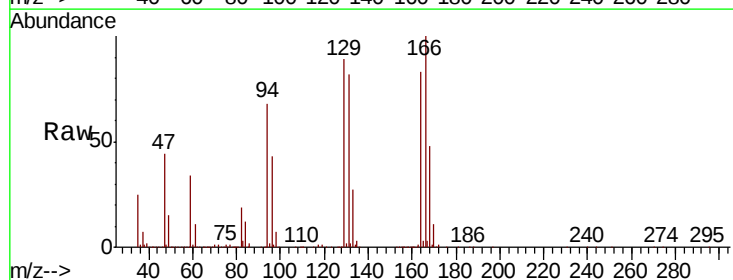
Ion Ratio Lower Upper

164 100

166 119.8 100.9 151.3

129 106.9 87.0 130.4

131 98.3 81.7 122.5



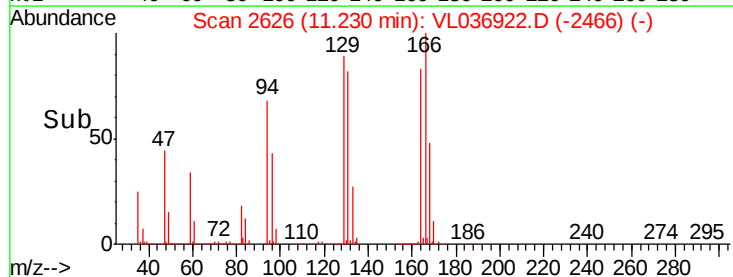
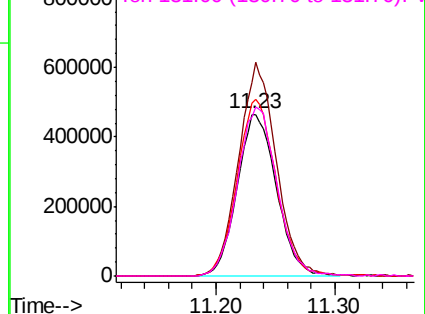
Abundance

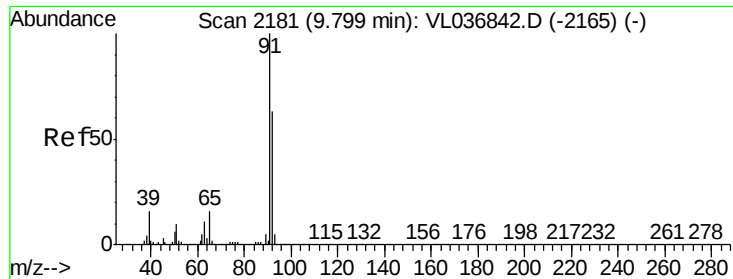
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.552 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.02 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

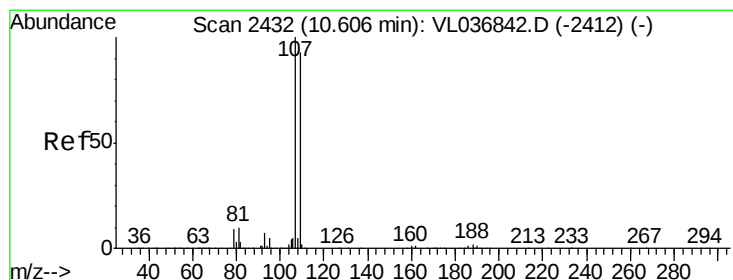
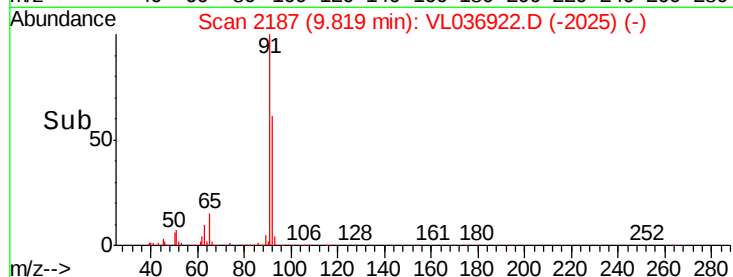
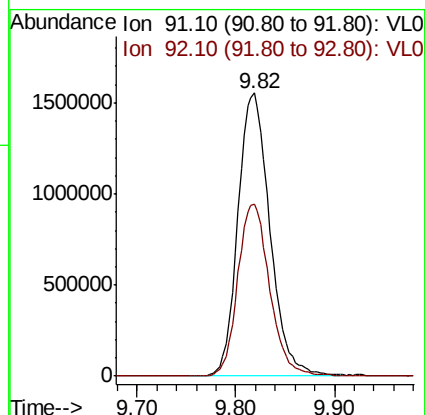
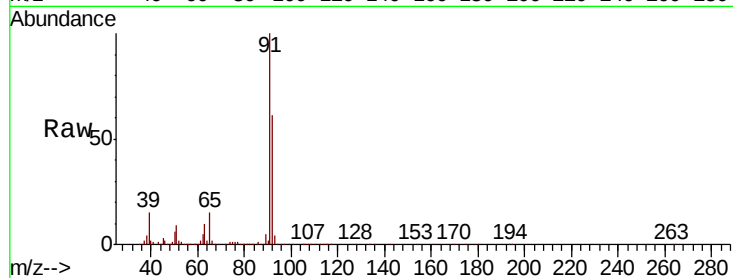
VSTDCCC010EC

Tot Ion: 91 Resp: 3491764

Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.738 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.02 min

Lab File: VL036922.D

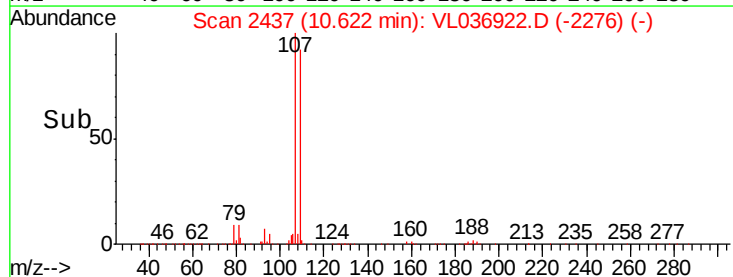
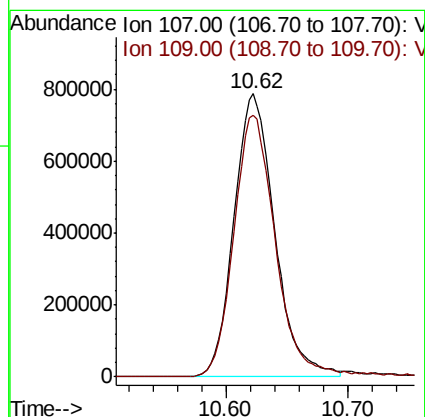
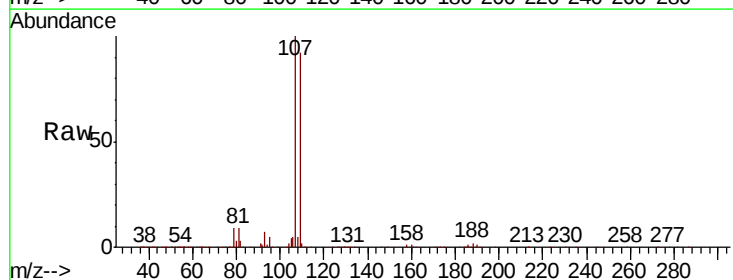
Acq: 7 May 2021 16:48

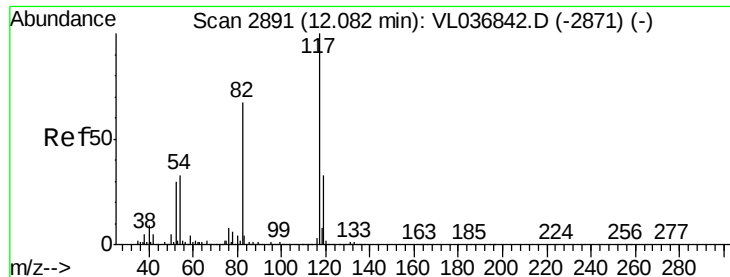
Tgt Ion: 107 Resp: 1816461

Ion Ratio Lower Upper

107 100

109 92.4 74.7 112.1

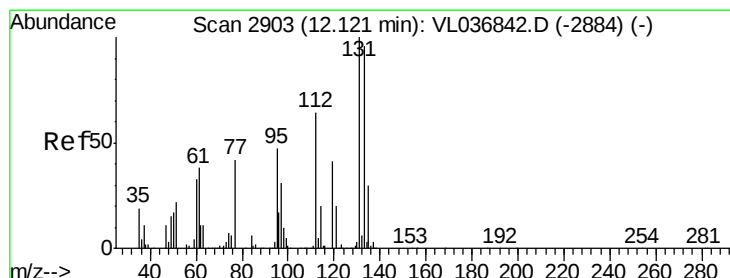
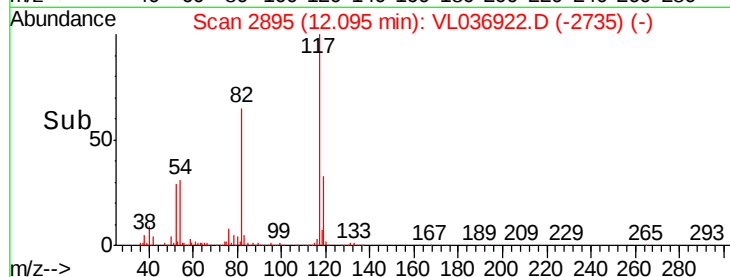
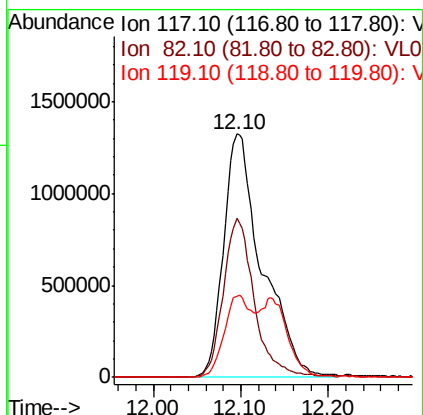
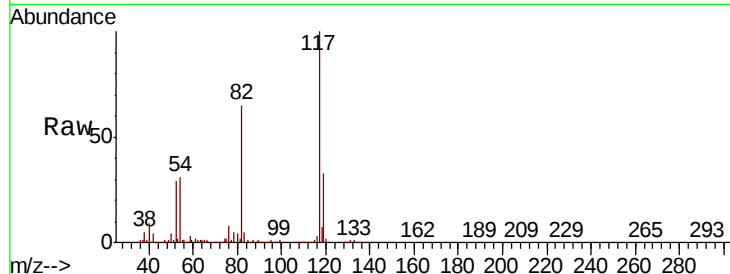




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

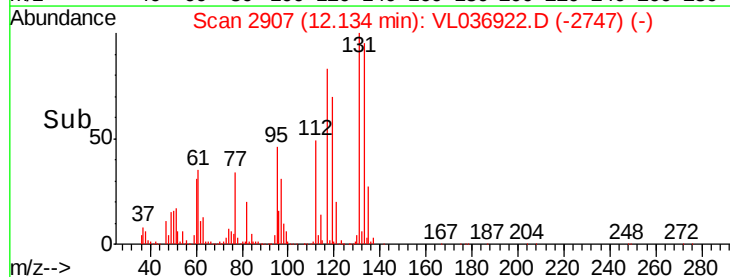
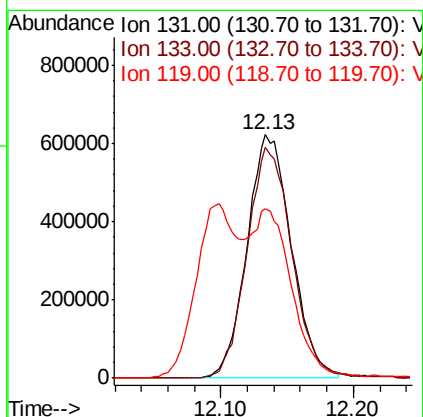
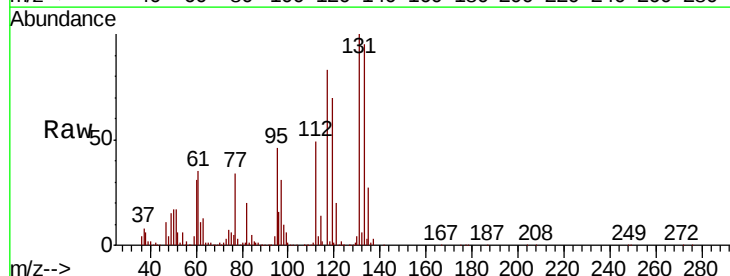
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

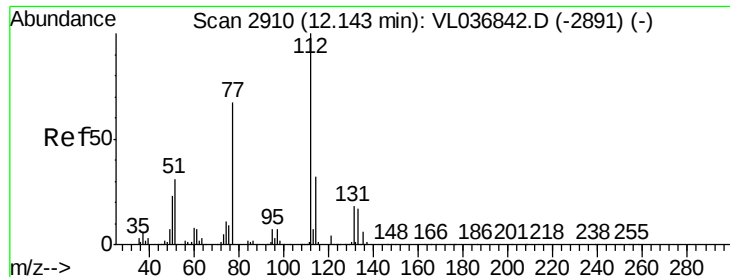
Tot Ion:117 Resp: 4049223
Ion Ratio Lower Upper
117 100
82 53.0 53.5 80.3#
119 23.2 25.6 38.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.527 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion:131 Resp: 1447444
Ion Ratio Lower Upper
131 100
133 97.0 76.3 114.5
119 69.4 114.9 172.3#

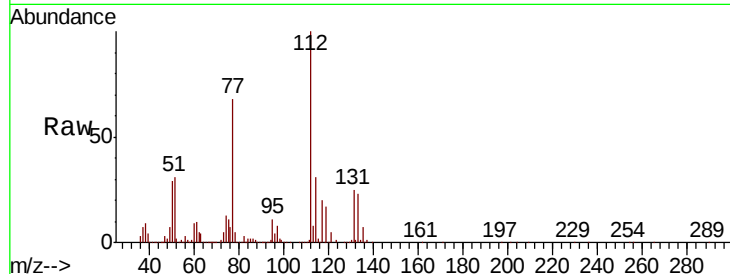




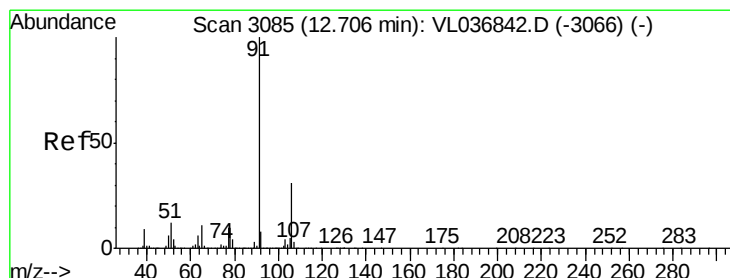
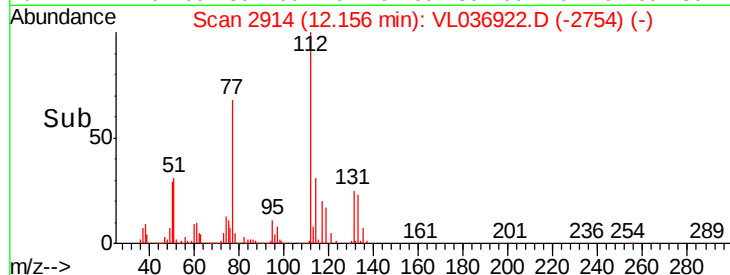
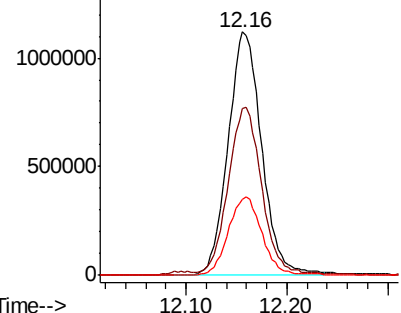
#57
Chlorobenzene
Concen: 8.181 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 2580142
Ion Ratio Lower Upper
112 100
77 67.5 54.2 81.4
114 31.0 28.5 34.9

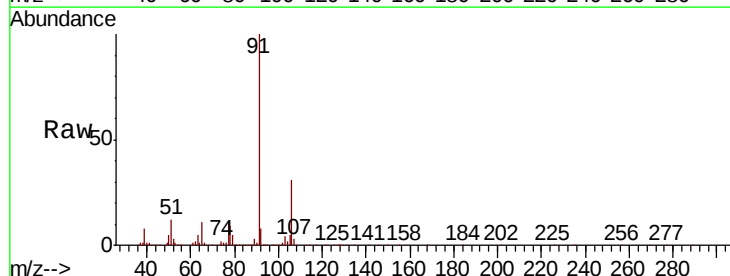


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

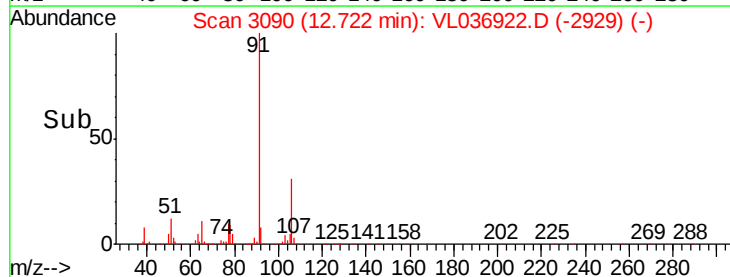
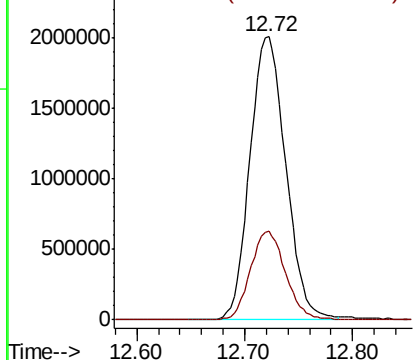


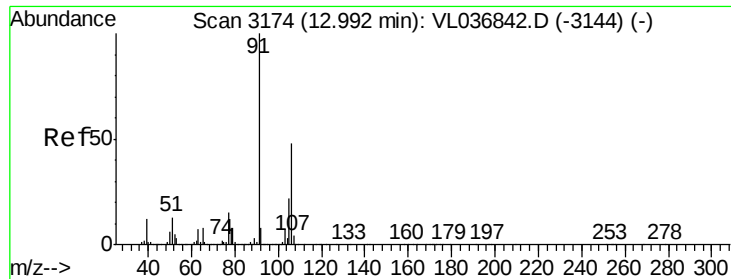
#58
Ethyl Benzene
Concen: 9.042 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.02 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 91 Resp: 4643691
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7



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

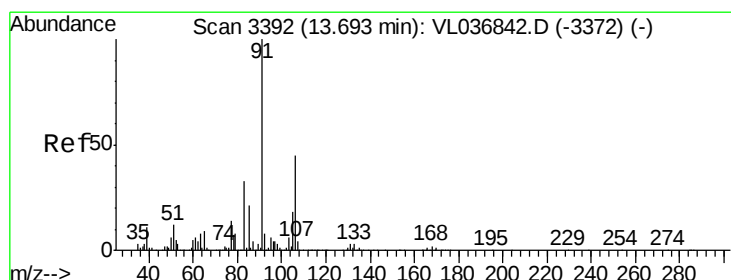
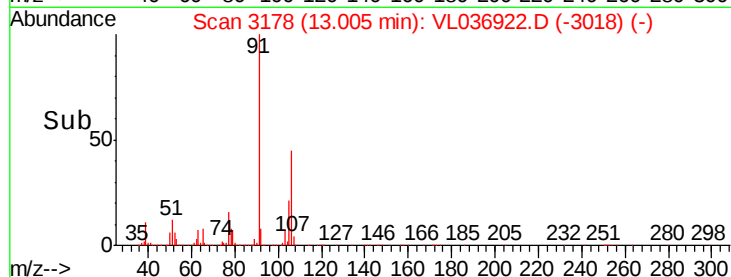
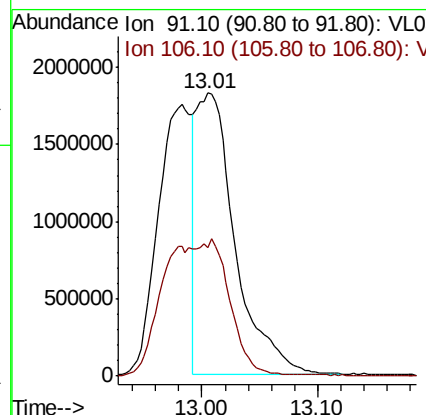
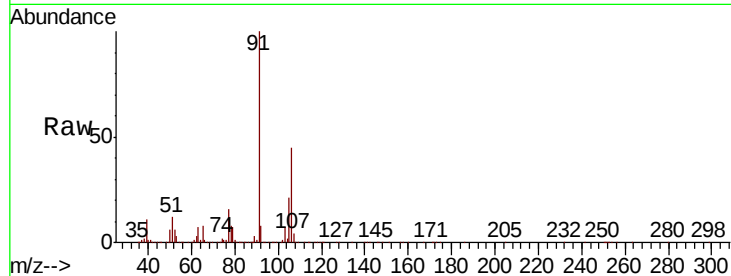




#59
m/p-Xylene
Concen: 9.206 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

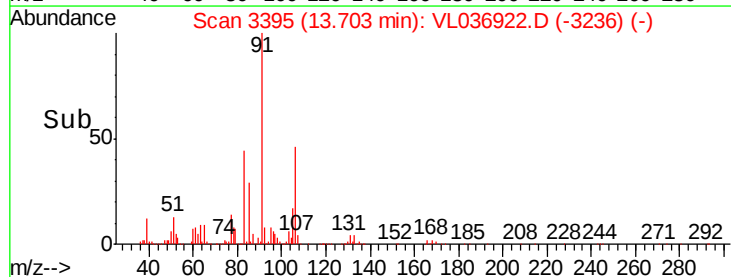
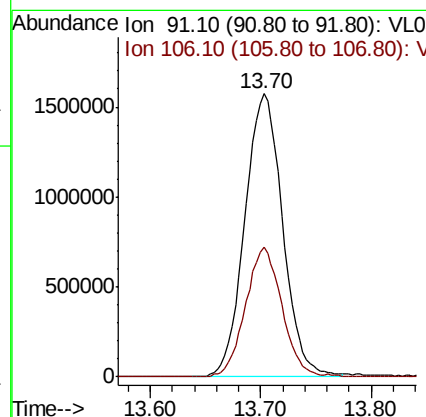
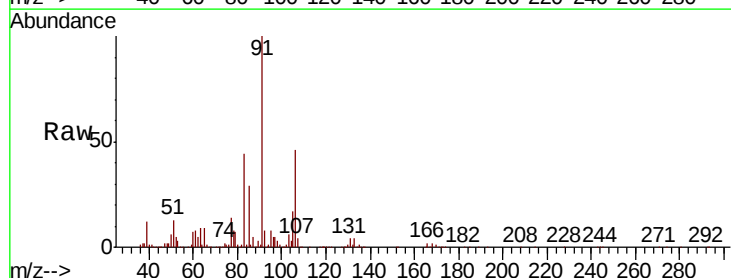
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

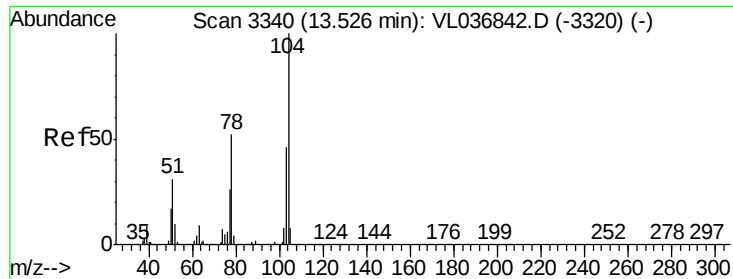
Tot Ion: 91 Resp: 4225832
Ion Ratio Lower Upper
91 100
106 82.6 35.8 53.6#



#60
o-Xylene
Concen: 8.408 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL036922.D
Acq: 7 May 2021 16:48

Tgt Ion: 91 Resp: 3731726
Ion Ratio Lower Upper
91 100
106 44.7 22.6 67.7





#61

Stvrene

Concen: 9.582 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

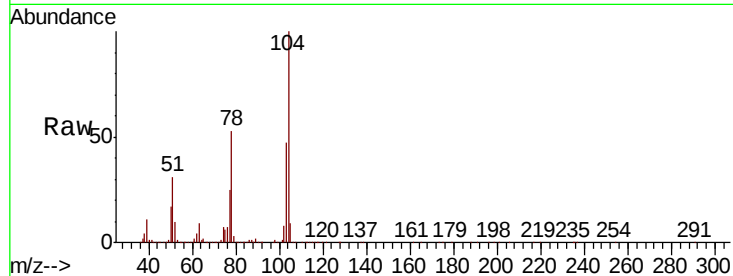
Tot Ion:104 Resp: 1997281

Ion Ratio Lower Upper

104 100

78 52.7 42.6 64.0

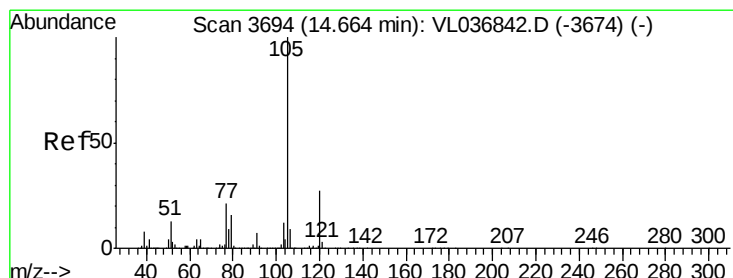
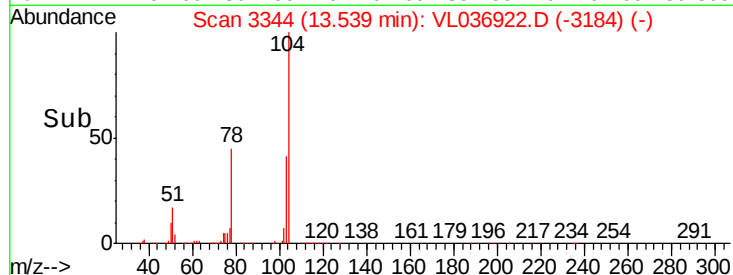
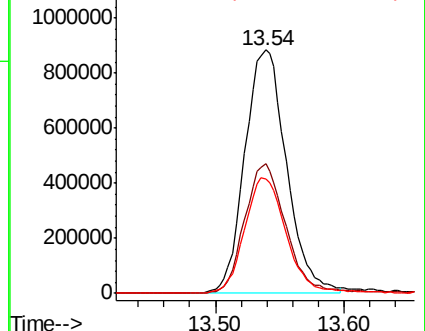
103 47.7 38.1 57.1



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: 8.484 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.01 min

Lab File: VL036922.D

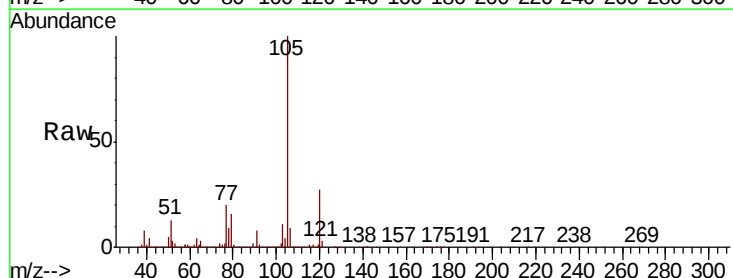
Acq: 7 May 2021 16:48

Tgt Ion:105 Resp: 5123499

Ion Ratio Lower Upper

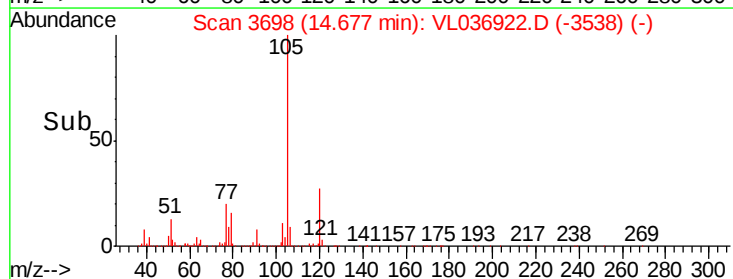
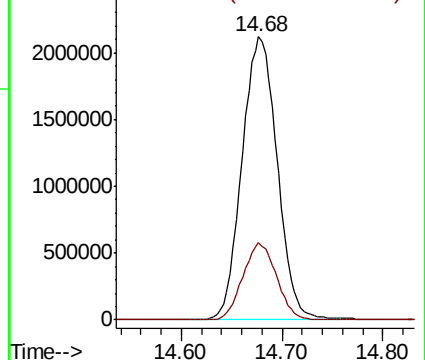
105 100

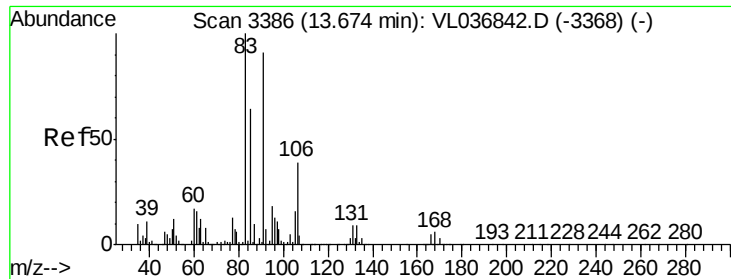
120 26.3 21.1 31.7



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: 7.913 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

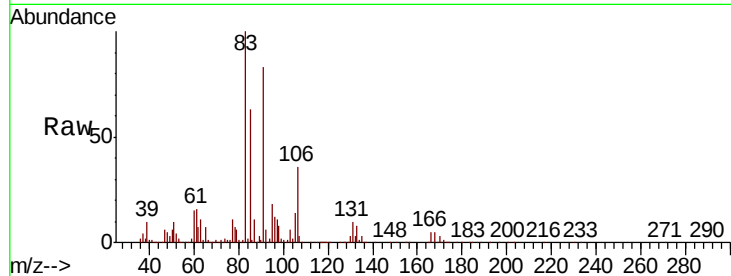
Tot Ion: 83 Resp: 2815220

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

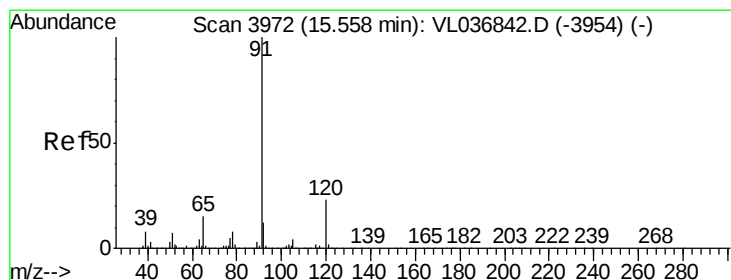
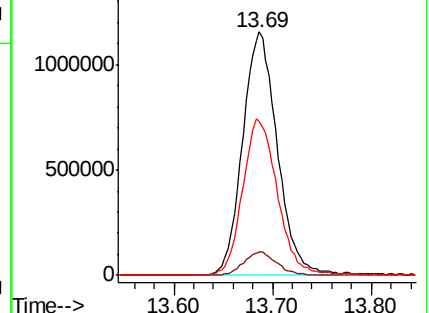
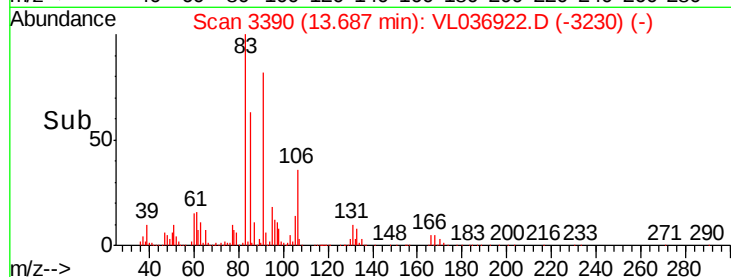
85 65.2 32.8 98.4



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: 9.004 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VL036922.D

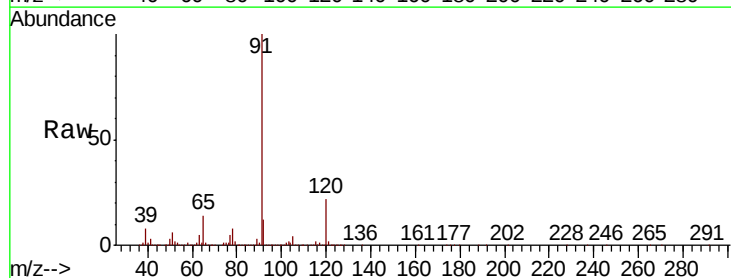
Acq: 7 May 2021 16:48

Tgt Ion: 120 Resp: 1355069

Ion Ratio Lower Upper

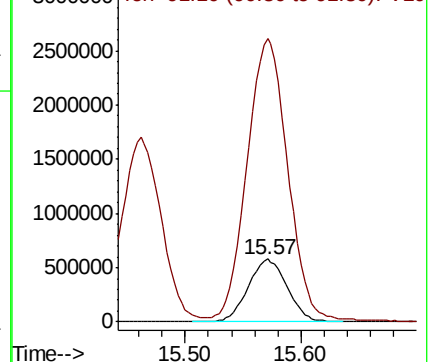
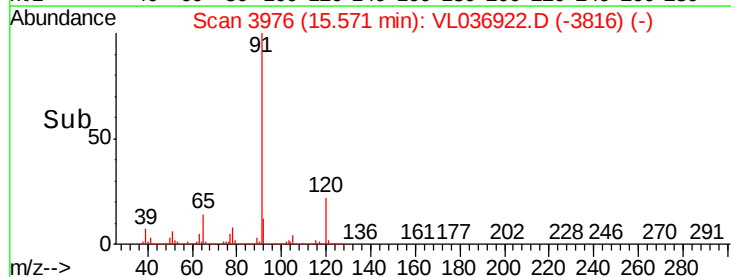
120 100

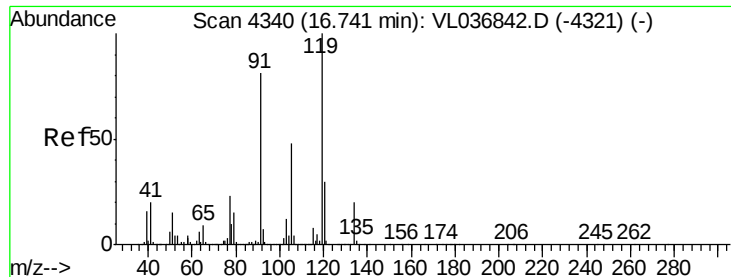
91 474.7 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.403 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

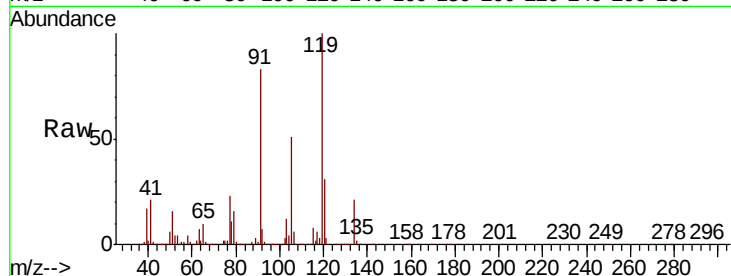
Tot Ion:119 Resp: 4486736

Ion Ratio Lower Upper

119 100

91 84.4 67.0 100.6

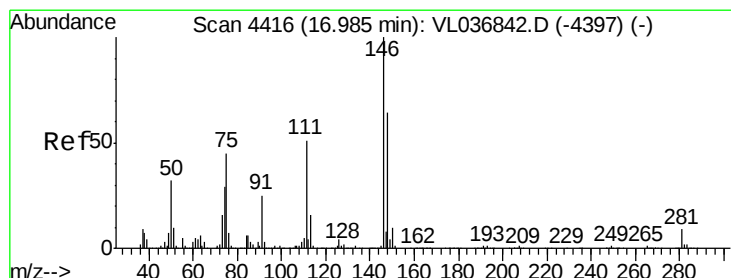
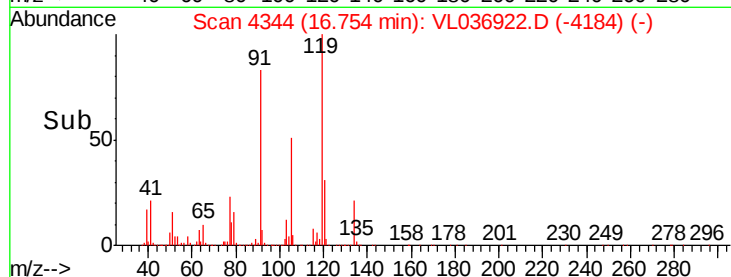
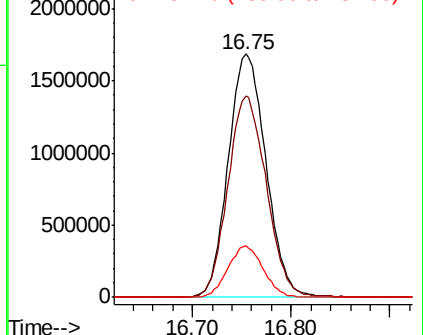
134 19.8 15.8 23.6



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: 6.523 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

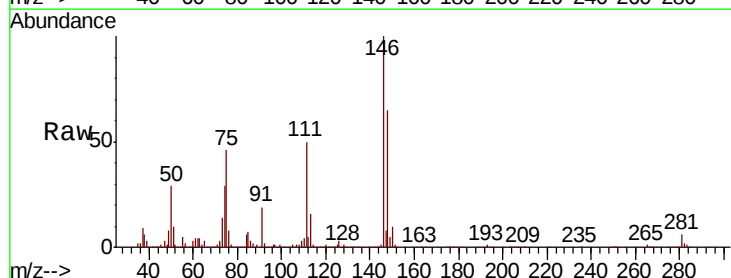
Tgt Ion: 91 Resp: 340538

Ion Ratio Lower Upper

91 100

126 17.5 14.1 21.1

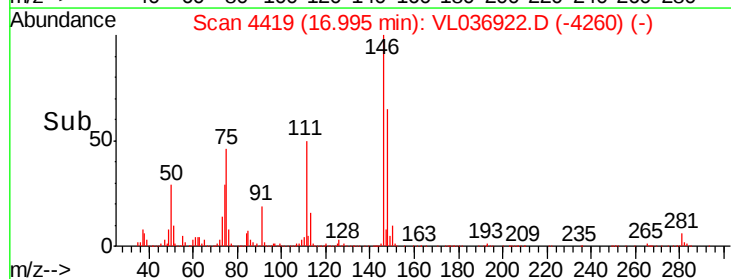
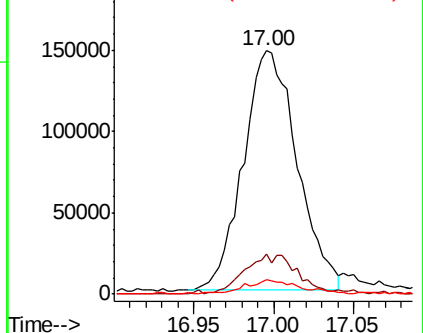
128 6.1 4.8 7.2

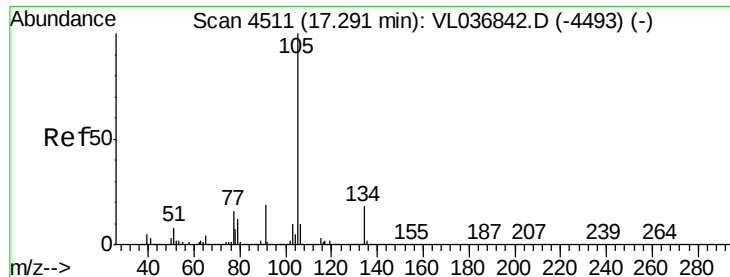


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.454 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

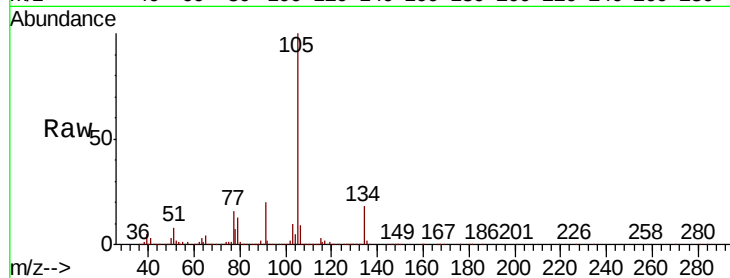
VSTDCCC010EC

Tot Ion:105 Resp: 6267840

Ion Ratio Lower Upper

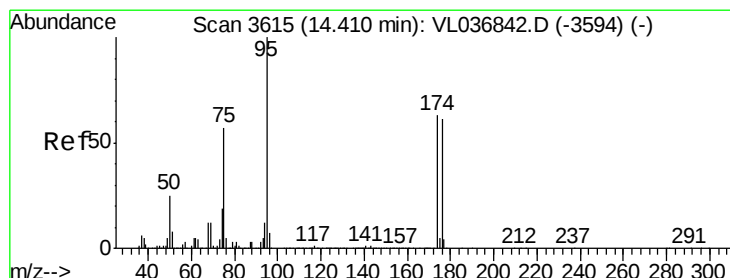
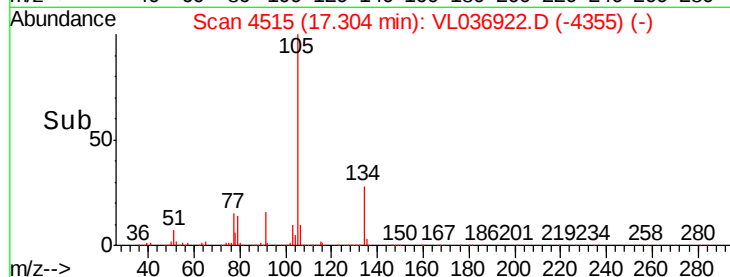
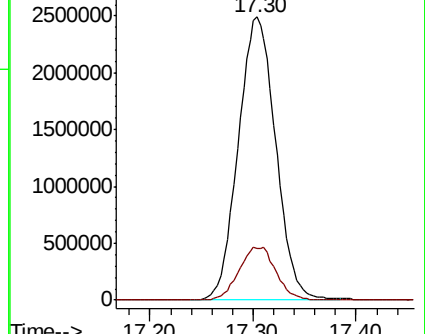
105 100

134 18.5 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.038 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

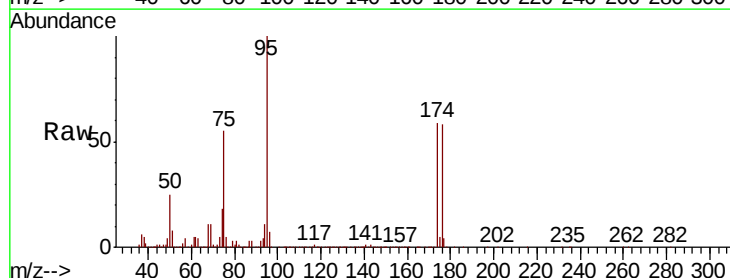
Tgt Ion: 95 Resp: 2612780

Ion Ratio Lower Upper

95 100

174 63.5 52.2 78.2

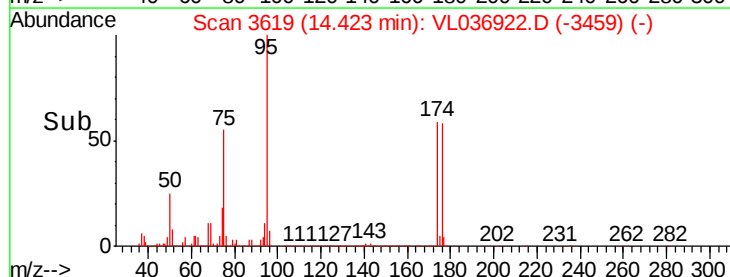
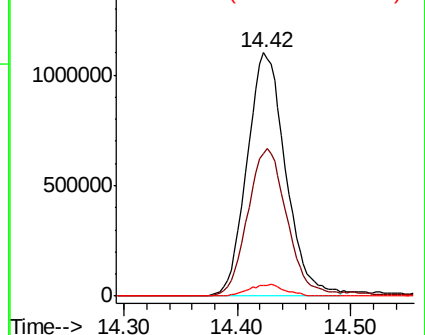
175 4.7 4.0 6.0

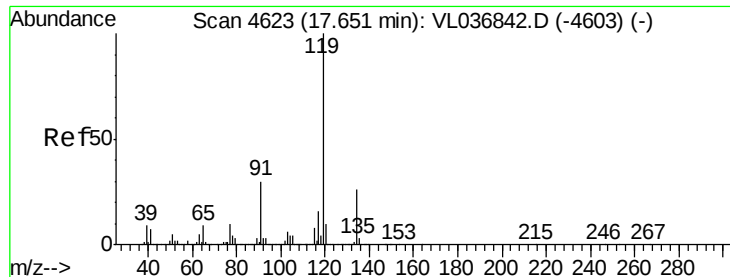


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.667 ppbv

RT: 17.66 min Scan# 4626

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

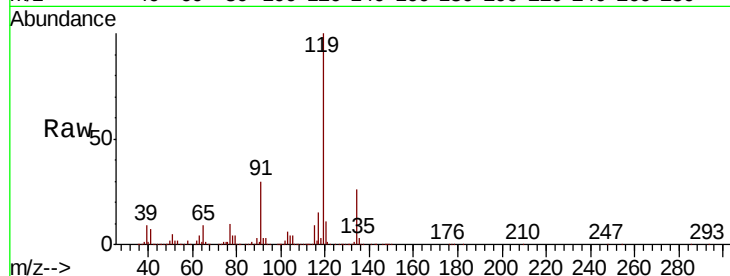
Tot Ion:119 Resp: 5151389

Ion Ratio Lower Upper

119 100

134 25.7 20.6 31.0

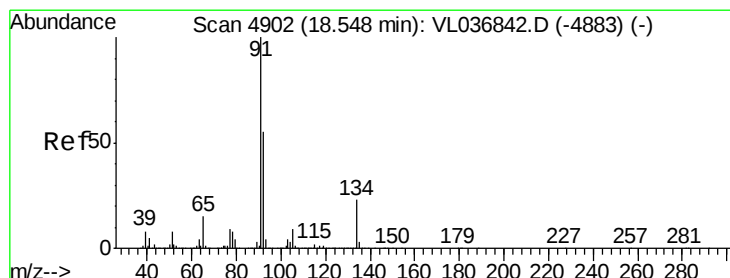
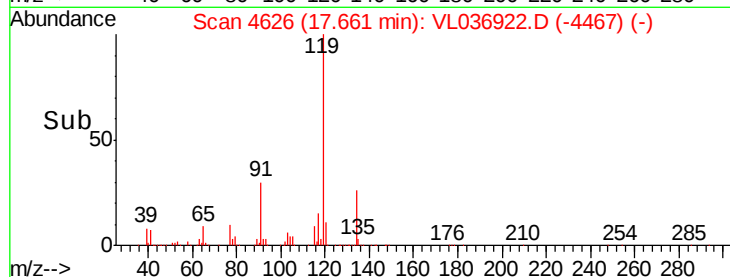
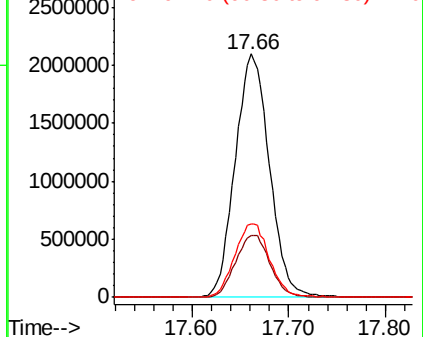
91 30.7 24.2 36.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.966 ppbv

RT: 18.56 min Scan# 4906

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

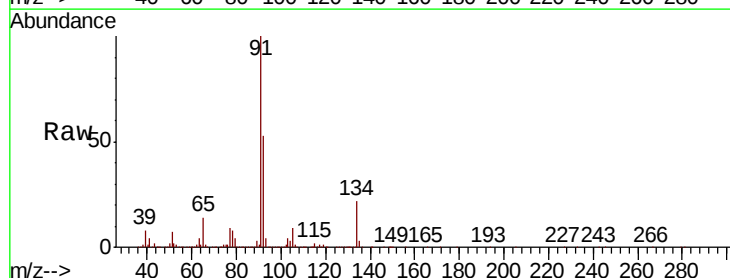
Tgt Ion: 91 Resp: 5371435

Ion Ratio Lower Upper

91 100

92 54.1 43.5 65.3

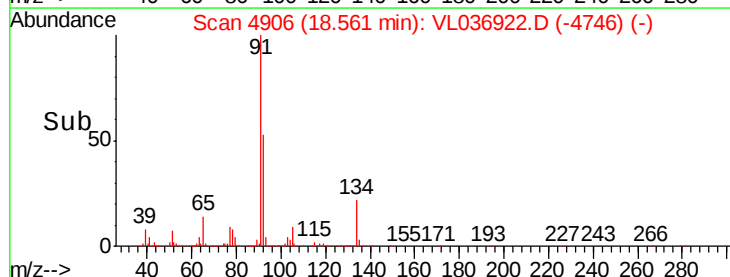
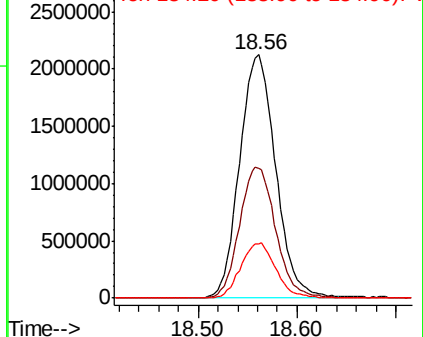
134 22.1 18.2 27.4

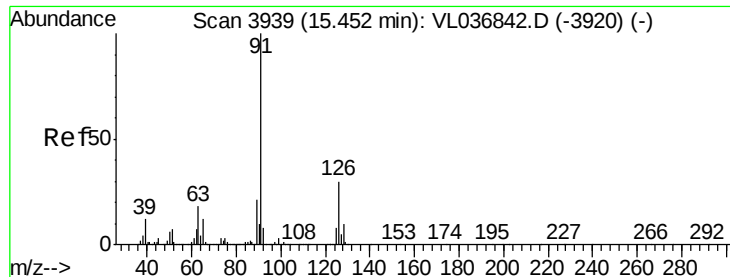


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.938 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

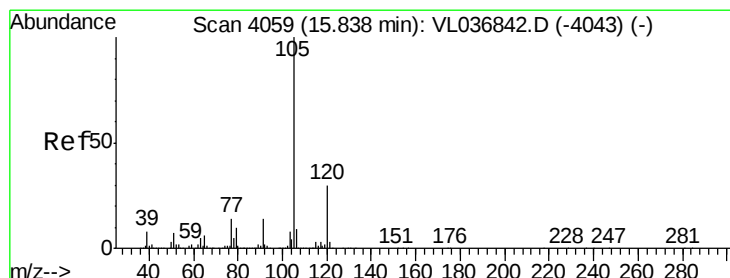
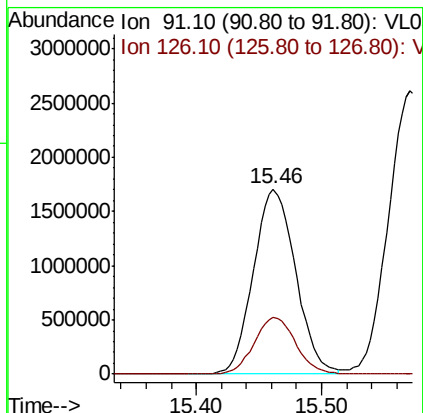
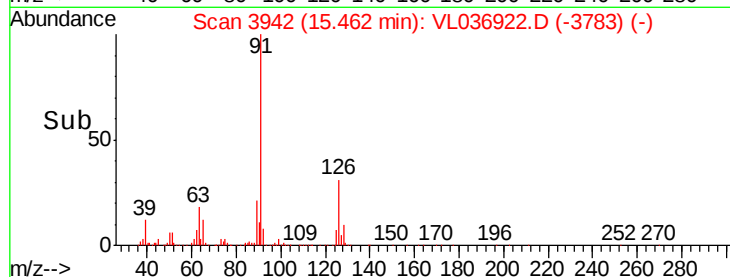
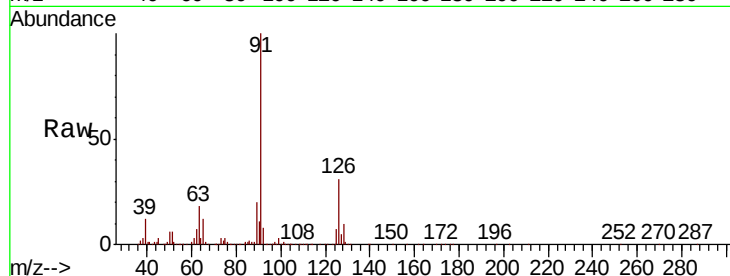
VSTDCCC010EC

Tot Ion: 91 Resp: 3997563

Ion Ratio Lower Upper

91 100

126 30.5 12.3 49.3



#72

4-Ethyltoluene

Concen: 9.216 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion:105 Resp: 4390297

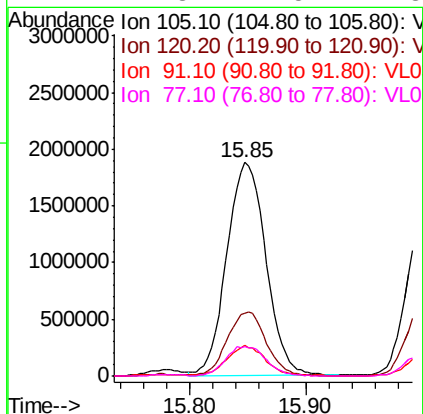
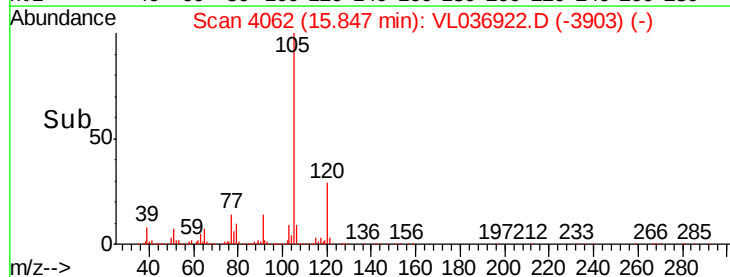
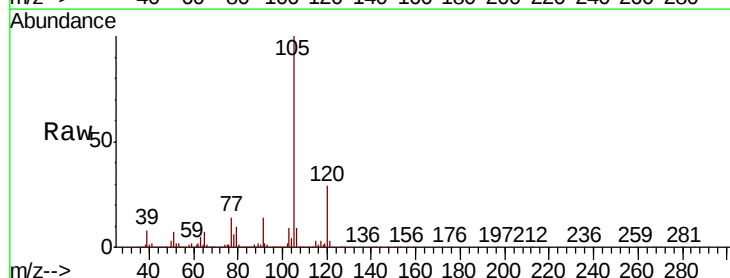
Ion Ratio Lower Upper

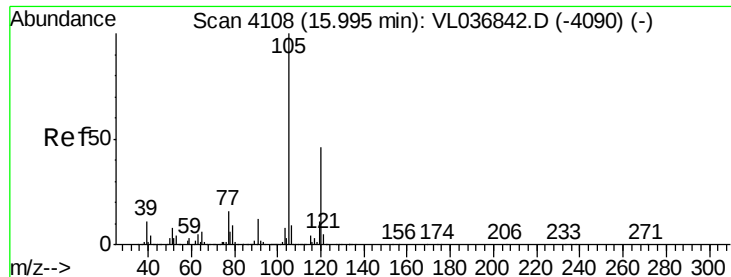
105 100

120 30.1 23.8 35.6

91 13.6 10.7 16.1

77 14.3 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 8.403 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

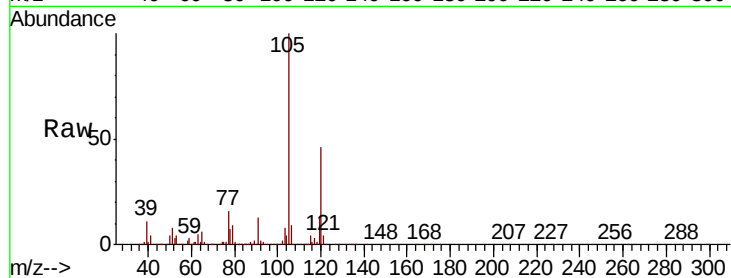
VSTDCCC010EC

Tot Ion:105 Resp: 3882265

Ion Ratio Lower Upper

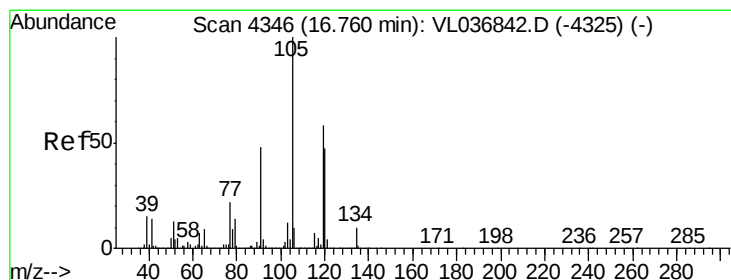
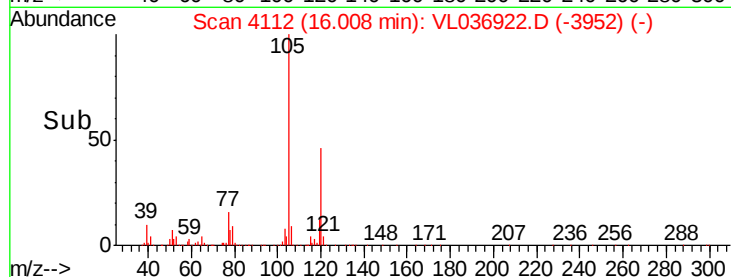
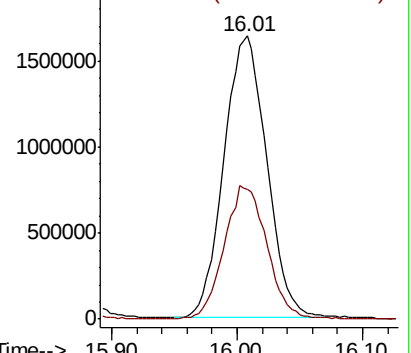
105 100

120 45.7 36.8 55.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.279 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion:105 Resp: 4062767

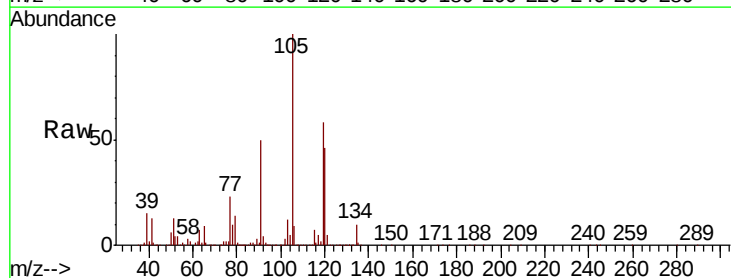
Ion Ratio Lower Upper

105 100

120 46.2 37.6 56.4

91 49.8 39.0 58.4

77 22.9 17.4 26.0

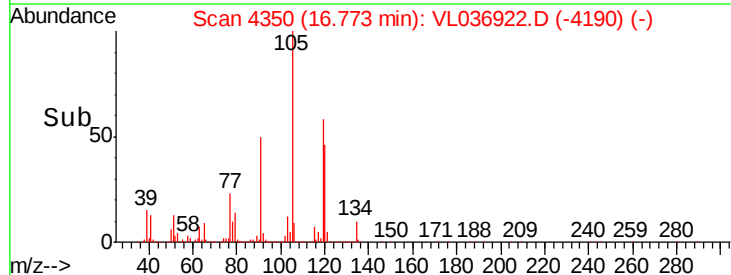
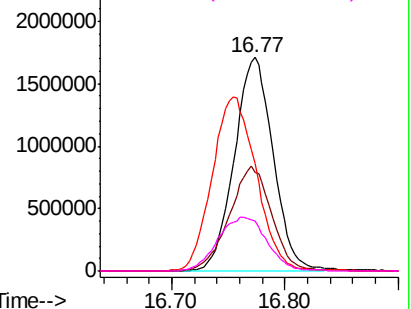


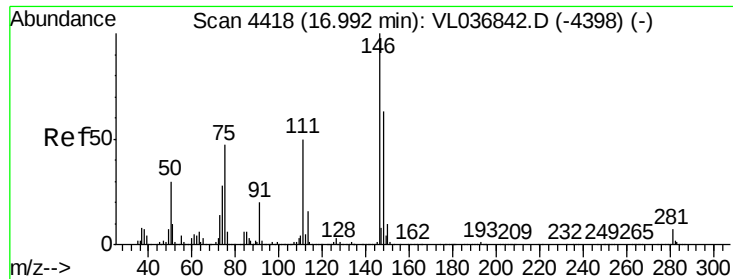
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.452 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

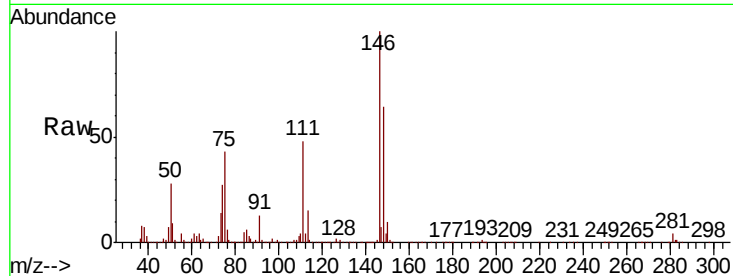
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2451965

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.2	72.6
148	64.3	32.1	96.3

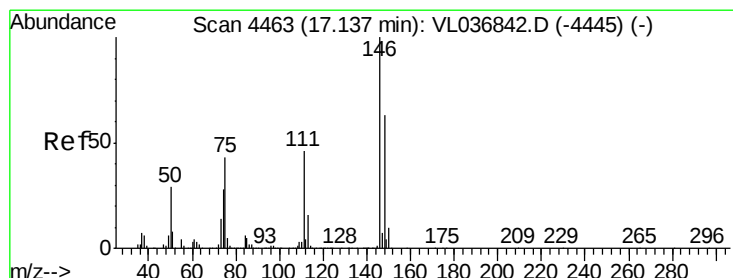
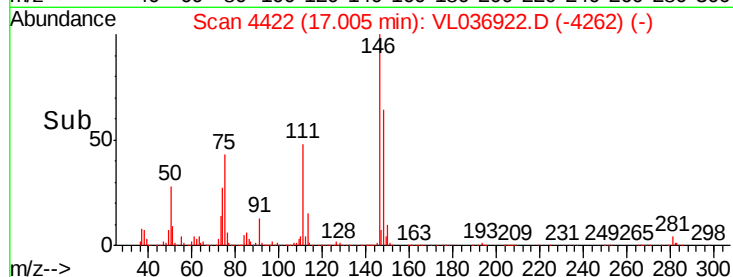
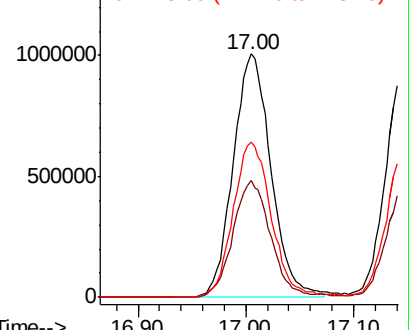


Abundance

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: 8.126 ppbv

RT: 17.15 min Scan# 4467

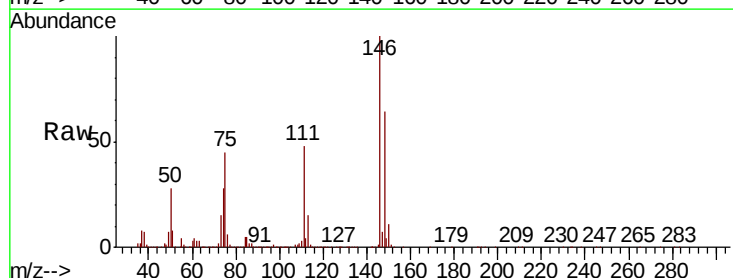
Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Tgt Ion:146 Resp: 2306934

Ion	Ratio	Lower	Upper
146	100		
111	49.1	24.3	72.8
148	66.6	32.4	97.0

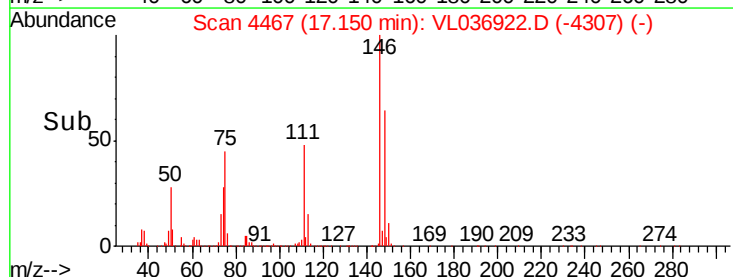
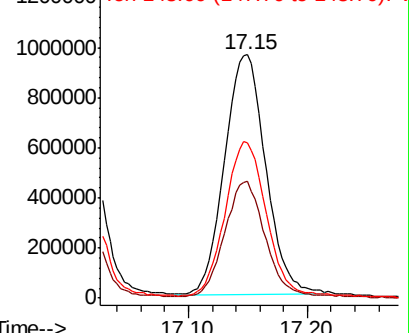


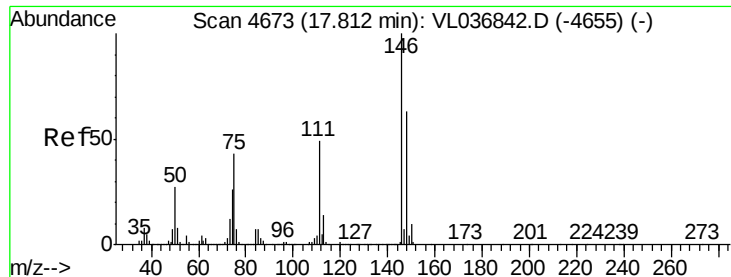
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

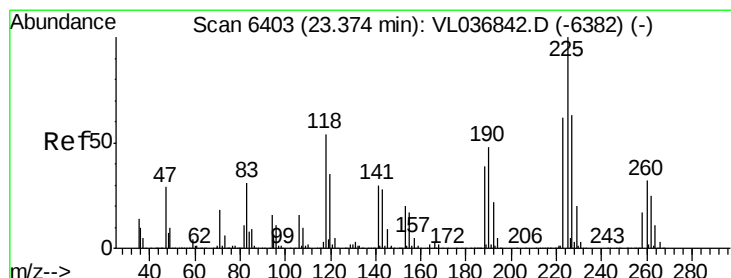
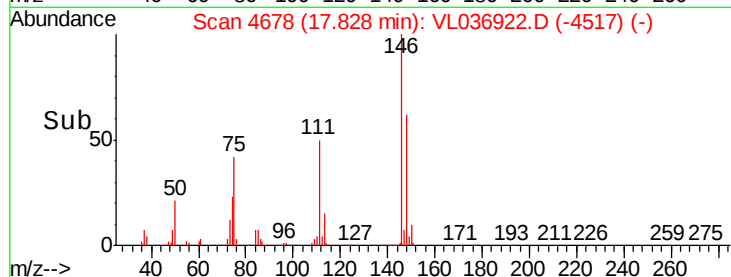
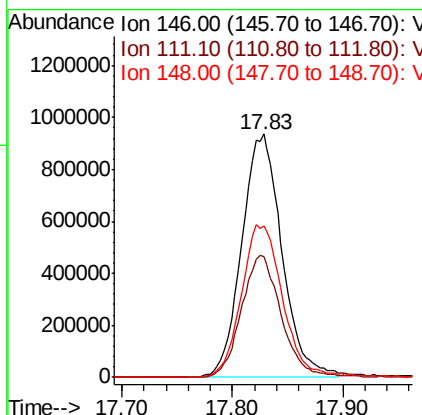
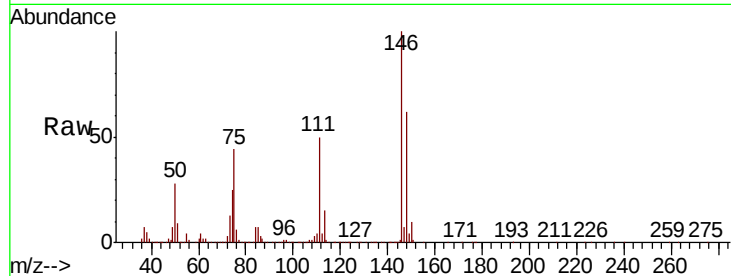




#77
 1,2-Dichlorobenzene
 Concen: 8.293 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. 0.02 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

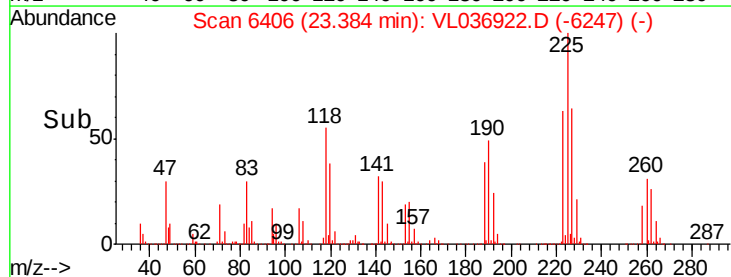
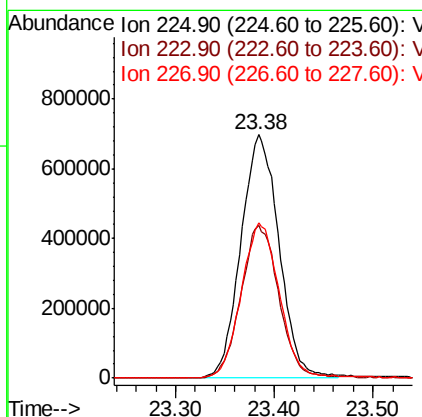
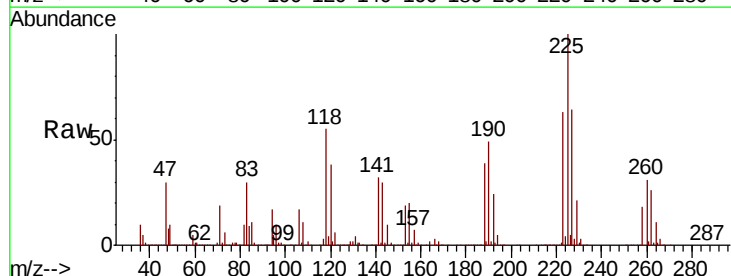
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

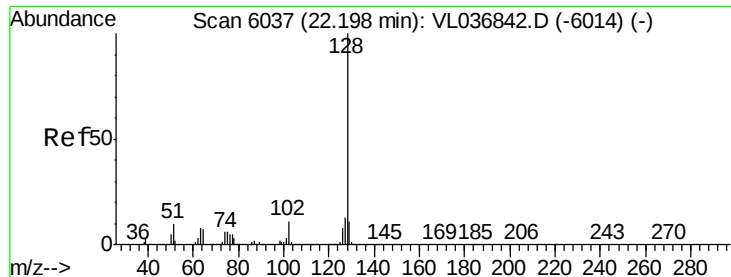
Tot Ion:146 Resp: 2349798
 Ion Ratio Lower Upper
 146 100
 111 49.8 25.0 75.0
 148 64.8 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.725 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Tgt Ion:225 Resp: 1860027
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.2 76.8
 227 64.2 51.8 77.6





#79

Naphthalene

Concen: 10.002 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

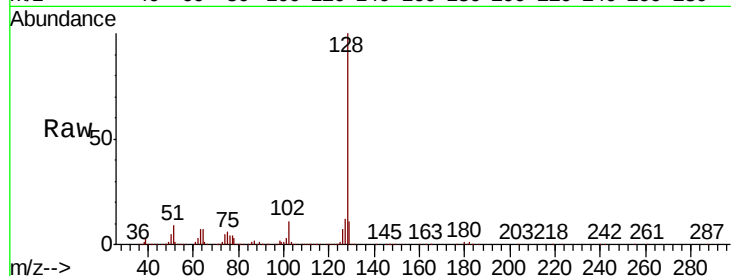
Tot Ion:128 Resp: 2749033

Ion Ratio Lower Upper

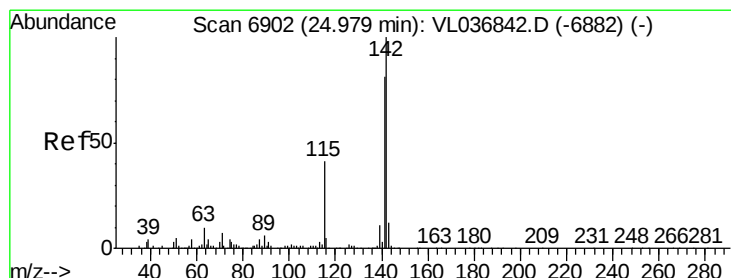
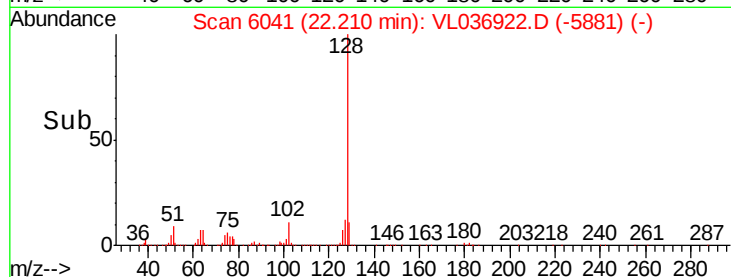
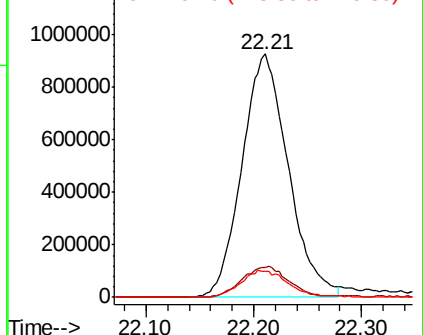
128 100

127 12.4 10.6 15.8

129 10.8 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.220 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. 0.01 min

Lab File: VL036922.D

Acq: 7 May 2021 16:48

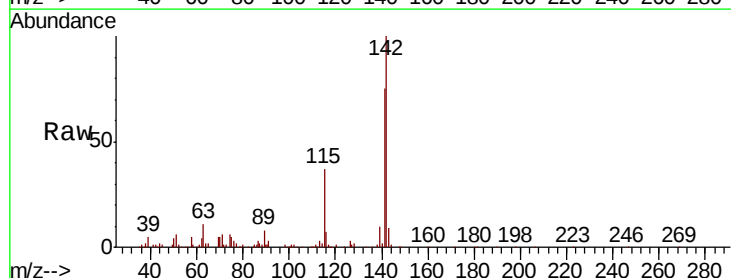
Tgt Ion:142 Resp: 340073

Ion Ratio Lower Upper

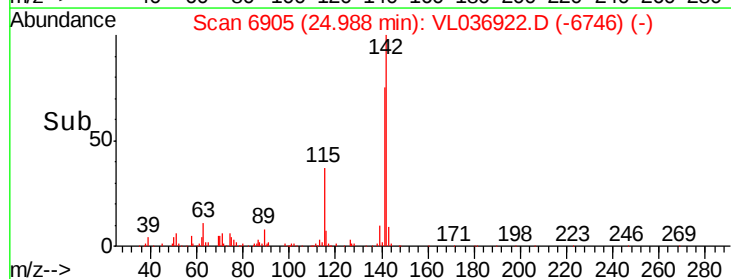
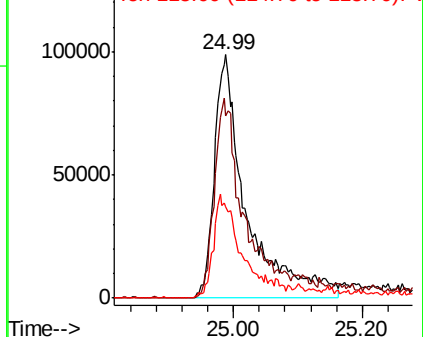
142 100

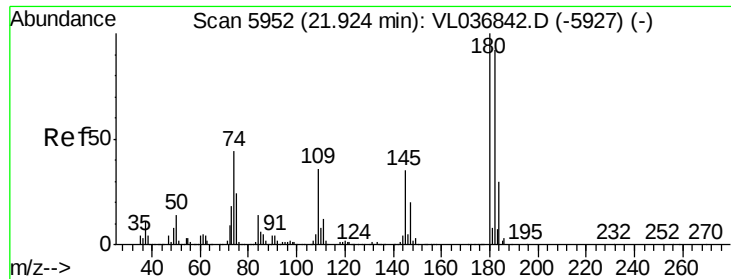
141 83.8 62.6 93.8

115 42.3 32.0 48.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

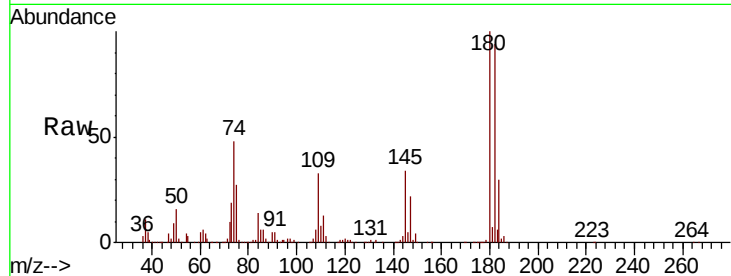




#81
 1,2,4-Trichlorobenzene
 Concen: 9.583 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.01 min
 Lab File: VL036922.D
 Acq: 7 May 2021 16:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1703661
 Ion Ratio Lower Upper
 180 100
 182 98.3 80.9 121.3
 184 31.5 25.3 37.9



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

