

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036913.D
 Acq On : 7 May 2021 10:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 08 04:14:30 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	5.67	49	1403257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3632329	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4193654	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2734532	8.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1909266	8.639	ppbv 98
3) Chlorodifluoromethane	2.99	51	2642176	10.337	ppbv 99
4) Chloromethane	3.14	50	857672	10.209	ppbv 95
5) Vinyl Chloride	3.26	62	837481	9.883	ppbv 94
6) Bromomethane	3.48	94	427825	9.388	ppbv 97
7) Chloroethane	3.56	64	277147	9.952	ppbv 90
8) Dichlorotetrafluoroethane	3.19	85	1985946	9.852	ppbv 99
9) Propene	3.01	41	788307	10.121	ppbv 98
10) Heptane	8.13	43	2030944	10.368	ppbv 98
11) Trichlorofluoromethane	3.95	101	1919590	9.731	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1250971	9.475	ppbv 98
13) Ethanol	3.61	45	35568	3.581	ppbv # 34
14) Bromoethene	3.74	108	562523	10.429	ppbv 96
15) Acetone	3.85	43	1305446	9.870	ppbv 99
16) 1,3-Butadiene	3.33	39	872855	10.321	ppbv 97
17) tert-Butyl alcohol	4.30	59	1098039	10.228	ppbv 98
18) 1,1-Dichloroethene	4.29	96	575157	10.024	ppbv 97
19) Isopropyl Alcohol	3.97	45	633981	9.674	ppbv 99
20) Methylene Chloride	4.35	84	512784	8.107	ppbv 94
21) Allyl Chloride	4.42	41	889267	9.048	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	567872	9.862	ppbv 97
23) Vinyl Acetate	5.08	43	2268516	12.609	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1272499	9.964	ppbv 99
25) Ethyl Acetate	5.68	43	3057325	9.463	ppbv 99
26) Hexane	5.69	57	1503420	9.946	ppbv 93
27) Carbon Disulfide	4.55	76	1439322	10.963	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1433985	10.703	ppbv 99
29) Chloroform	5.76	83	2360218	10.016	ppbv 98
30) Cyclohexane	7.13	84	1246189	10.397	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1413718	10.420	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2387782	9.964	ppbv 100
34) 2-Butanone	5.25	43	1436739	9.030	ppbv 97
35) Carbon Tetrachloride	7.02	117	2478804	10.057	ppbv 98
36) Benzene	6.90	78	3118694	10.190	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1758145	10.145	ppbv 99
38) Trichloroethene	7.84	130	1138737	10.451	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1219193	9.944	ppbv 97
40) 1,4-Dioxane	7.84	88	275946	9.320	ppbv 91
41) Tetrahydrofuran	6.06	42	669716	9.622	ppbv 100
42) Bromodichloromethane	7.80	83	2539823	10.548	ppbv 100
43) Methyl Methacrylate	8.02	69	1168177	11.698	ppbv 95

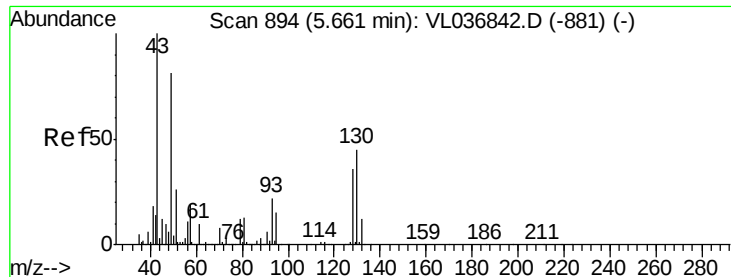
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050721\
 Data File : VL036913.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5238994	9.989	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	861745	8.005	ppbv	94
46) cis-1,3-Dichloropropene	8.70	75	1160200	8.406	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1279018	10.076	ppbv	97
48) Dibromochloromethane	10.30	129	2119385	11.268	ppbv	98
49) Bromoform	13.04	173	1742525	11.604	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2194898	10.092	ppbv	99
51) 2-Hexanone	10.14	43	1128054	10.399	ppbv #	96
52) Tetrachloroethene	11.23	164	1052936	10.104	ppbv	98
53) Toluene	9.81	91	3457260	10.796	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1804054	10.066	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1460461	8.307	ppbv #	62
57) Chlorobenzene	12.15	112	2600362	7.961	ppbv	98
58) Ethyl Benzene	12.71	91	4634770	8.713	ppbv	99
59) m/p-Xylene	13.00	91	4640268	9.761	ppbv #	53
60) o-Xylene	13.69	91	3732521	8.120	ppbv	100
61) Styrene	13.53	104	1986246	9.201	ppbv	100
62) Isopropylbenzene	14.67	105	5119896	8.187	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2807974	7.620	ppbv	99
64) n-propylbenzene	15.56	120	1339825	8.596	ppbv	98
65) tert-Butylbenzene	16.74	119	4451504	8.050	ppbv	99
66) Benzyl Chloride	16.99	91	196942	3.643	ppbv #	75
67) sec-Butylbenzene	17.29	105	6290868	8.193	ppbv	100
69) p-Isopropyltoluene	17.65	119	5157560	8.378	ppbv	99
70) n-Butylbenzene	18.55	91	5347580	8.619	ppbv	100
71) 2-Chlorotoluene	15.46	91	3997178	8.630	ppbv	100
72) 4-Ethyltoluene	15.84	105	4227284	8.568	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3889030	8.128	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4092140	8.051	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2425199	8.072	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2304997	7.839	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2352993	8.018	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1813212	7.272	ppbv	99
79) Naphthalene	22.20	128	2734484	9.606	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	370024	11.788	ppbv	91
81) 1,2,4-Trichlorobenzene	21.93	180	1684717	9.150	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

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VSTDCCC010

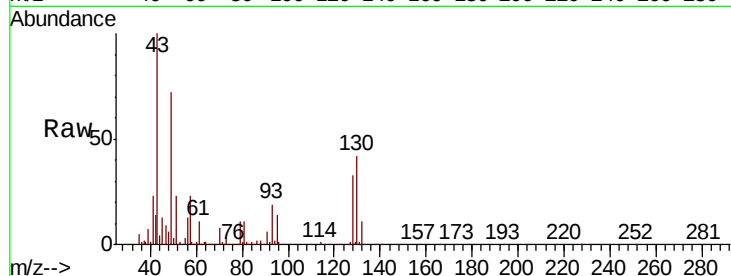
Tot Ion: 49 Resp: 1403257

Ion Ratio Lower Upper

49 100

128 51.1 24.4 73.2

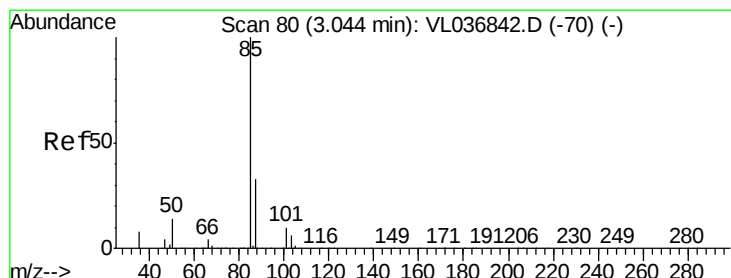
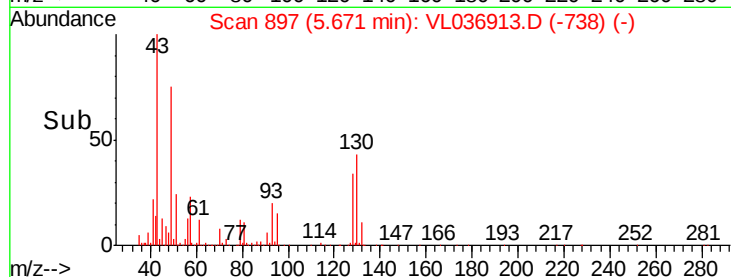
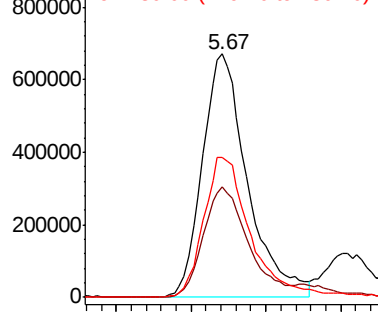
130 61.3 30.3 90.8



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: 8.639 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL036913.D

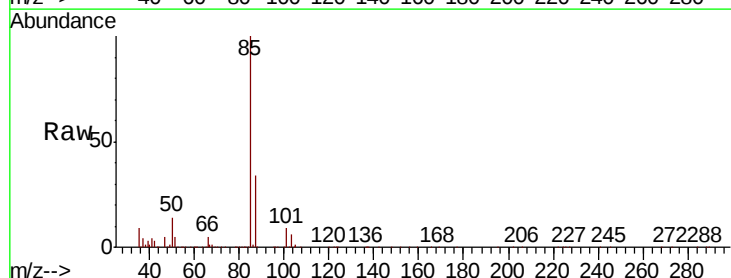
Acq: 7 May 2021 10:20

Tgt Ion: 85 Resp: 1909266

Ion Ratio Lower Upper

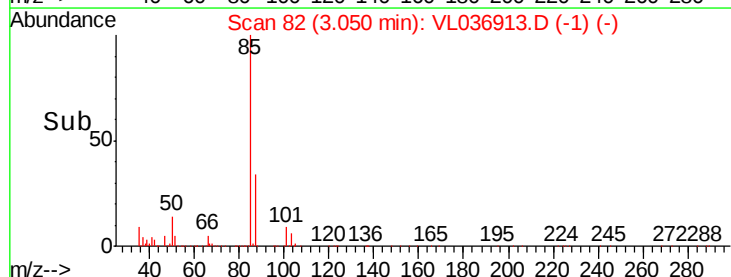
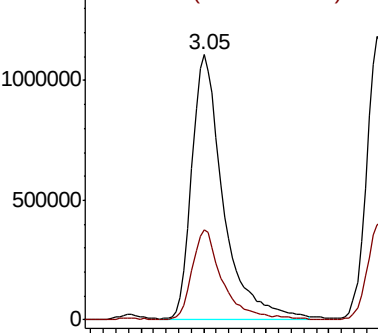
85 100

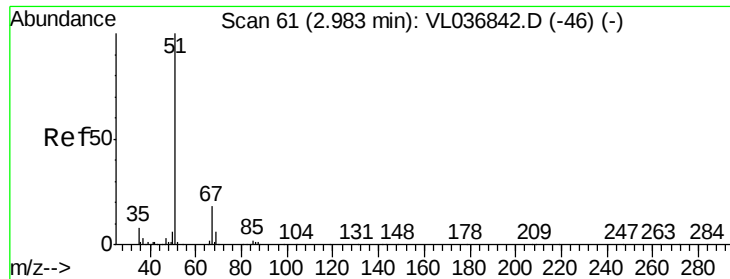
87 33.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.337 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

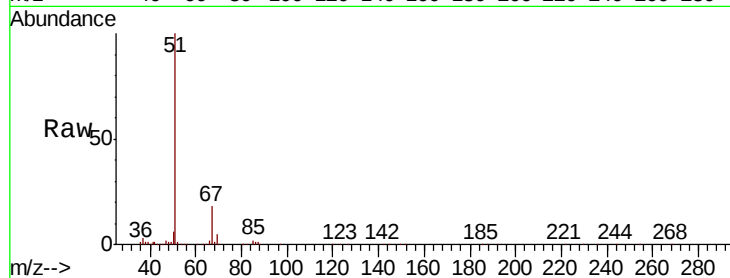
VSTDCCC010

Tot Ion: 51 Resp: 2642176

Ion Ratio Lower Upper

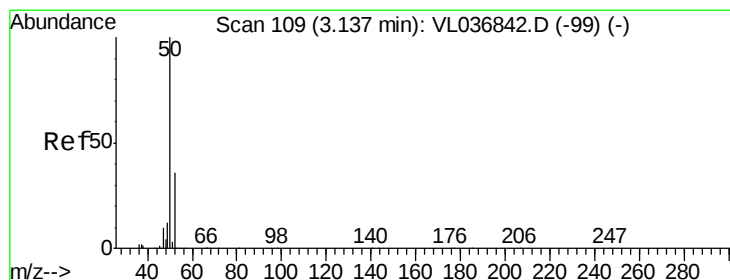
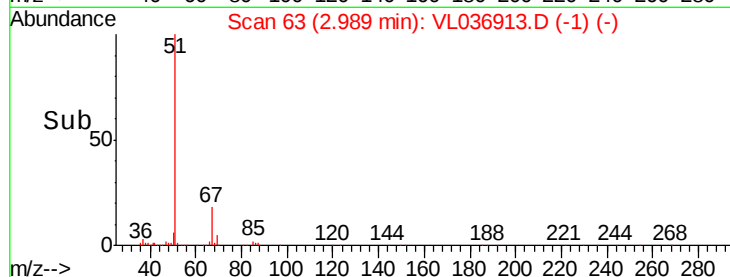
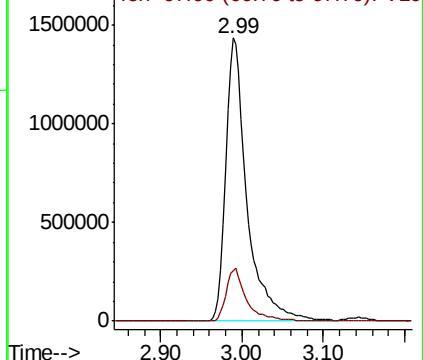
51 100

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: 10.209 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL036913.D

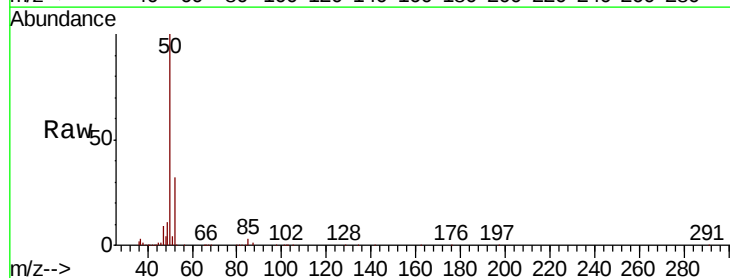
Acq: 7 May 2021 10:20

Tgt Ion: 50 Resp: 857672

Ion Ratio Lower Upper

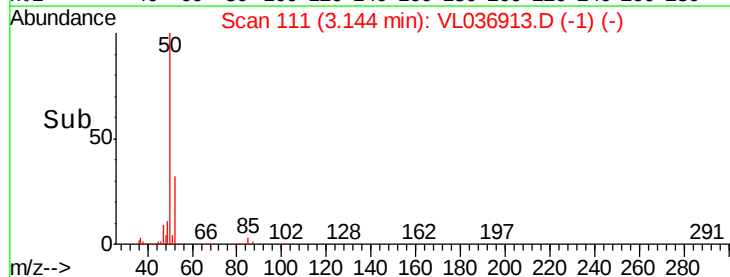
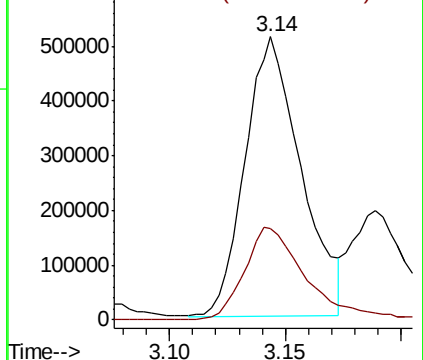
50 100

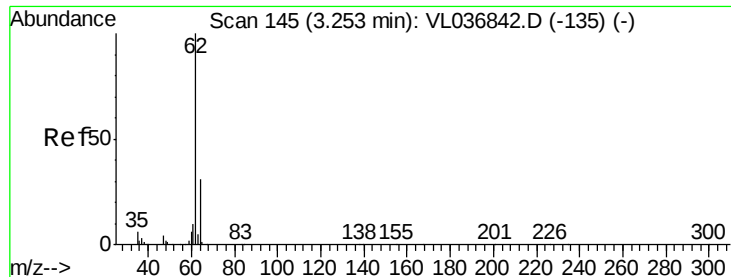
52 32.4 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.883 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

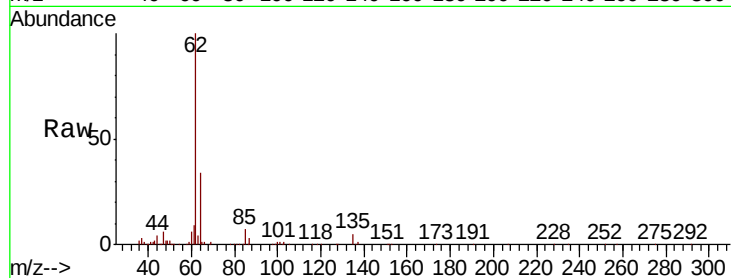
VSTDCCC010

Tot Ion: 62 Resp: 837481

Ion Ratio Lower Upper

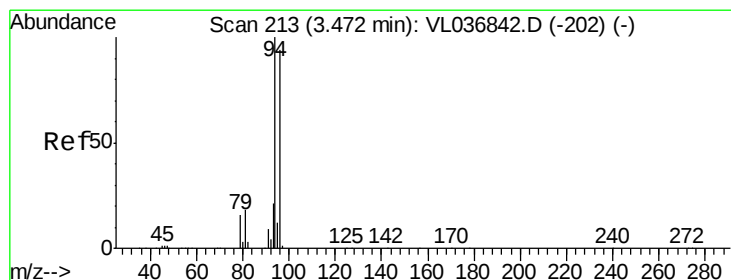
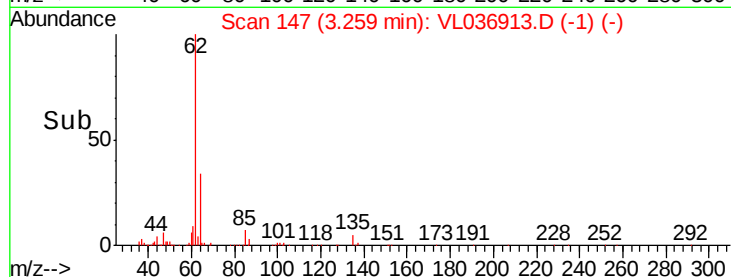
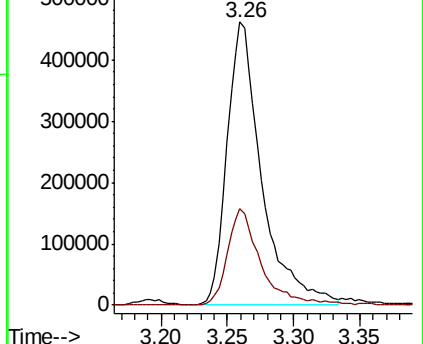
62 100

64 34.4 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.388 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL036913.D

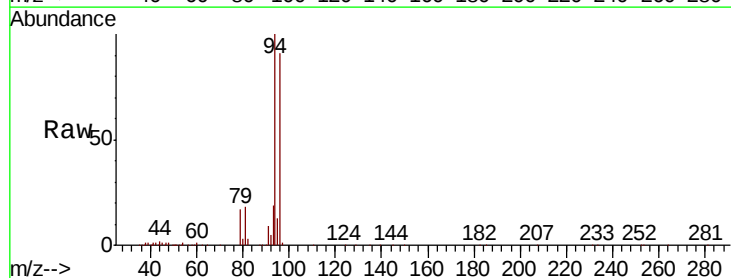
Acq: 7 May 2021 10:20

Tgt Ion: 94 Resp: 427825

Ion Ratio Lower Upper

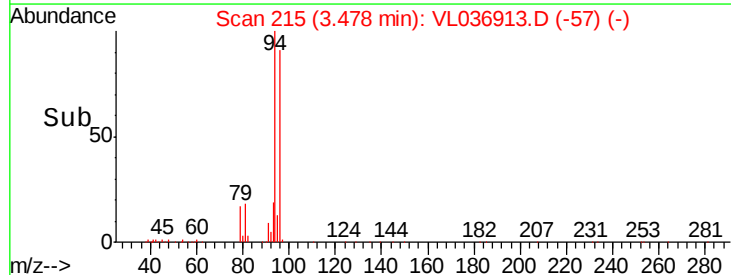
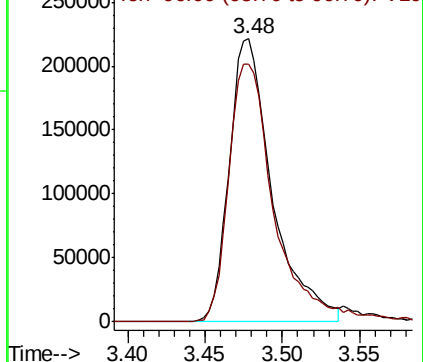
94 100

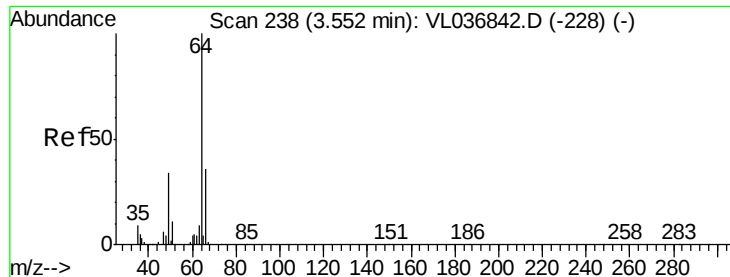
96 91.3 75.4 113.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.952 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

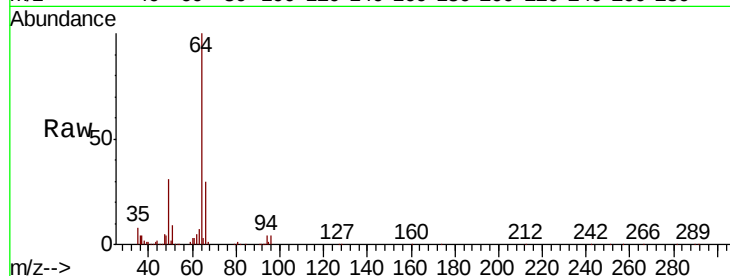
VSTDCCC010

Tot Ion: 64 Resp: 277147

Ion Ratio Lower Upper

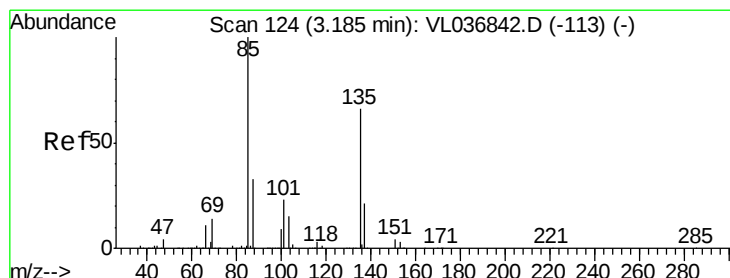
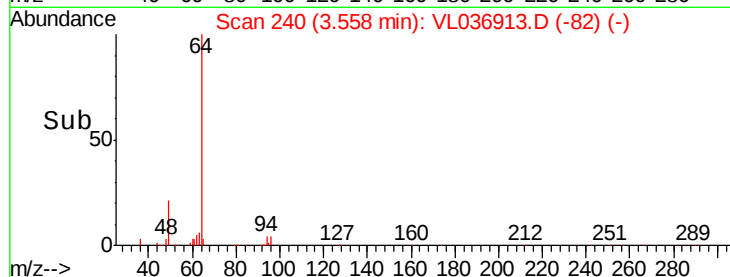
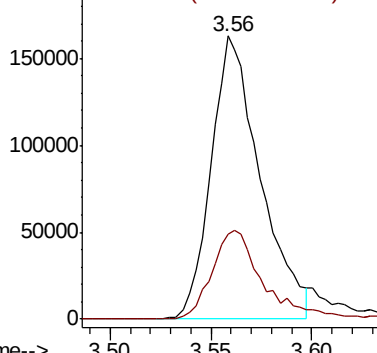
64 100

66 30.1 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: 9.852 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036913.D

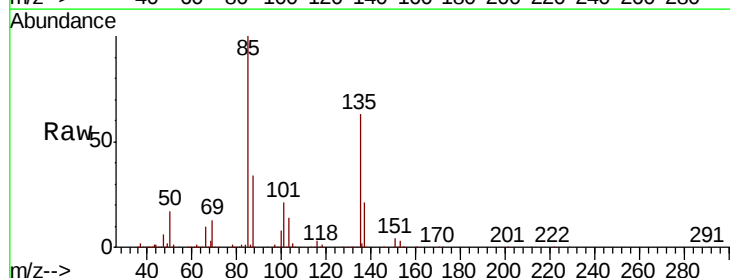
Acq: 7 May 2021 10:20

Tgt Ion: 85 Resp: 1985946

Ion Ratio Lower Upper

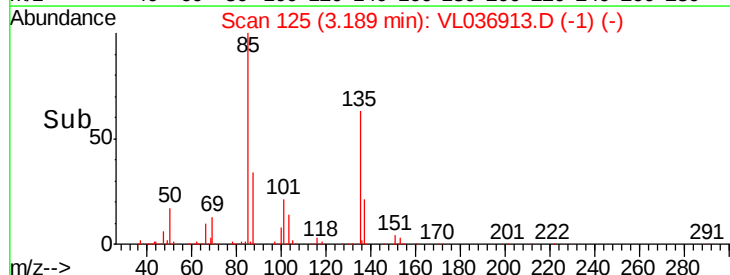
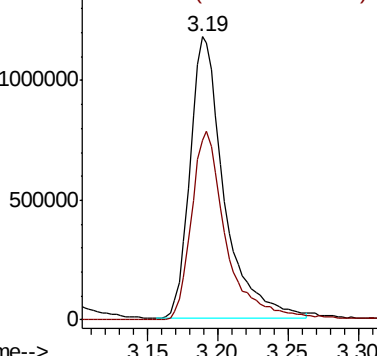
85 100

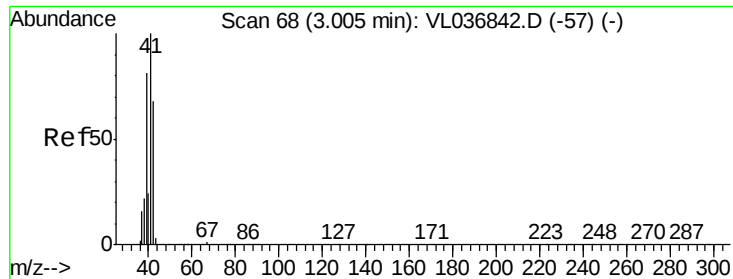
135 69.5 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

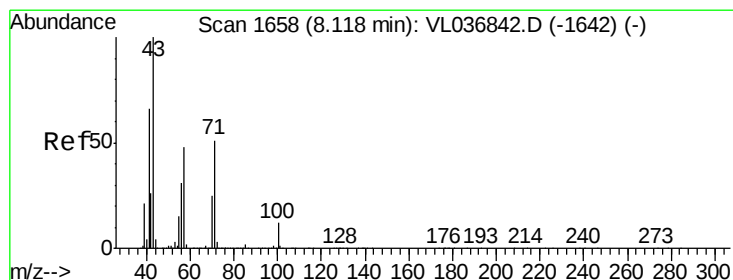
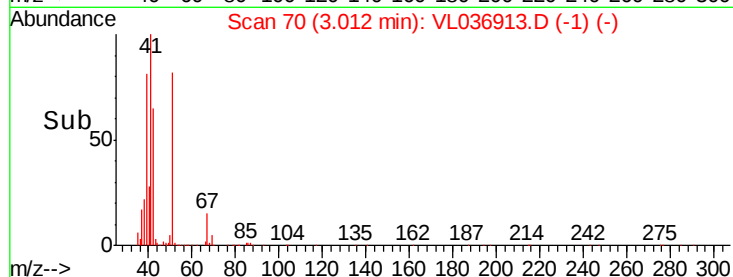
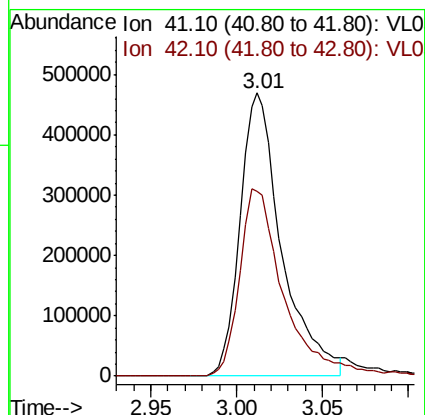
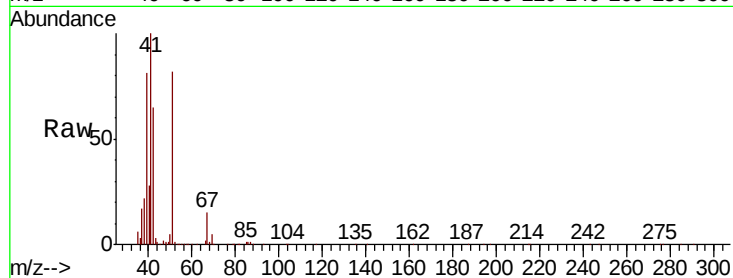




#9
 Propene
 Concen: 10.121 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

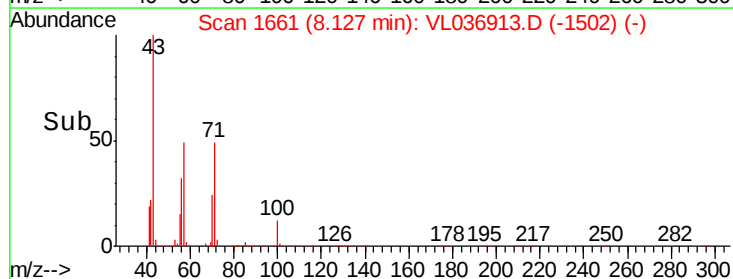
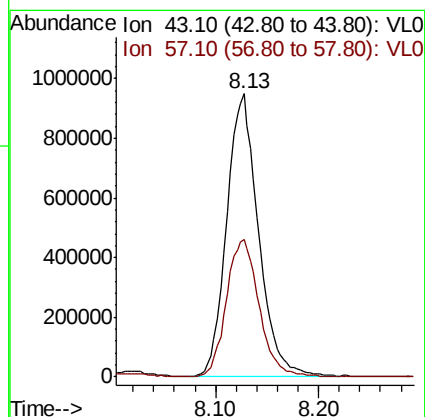
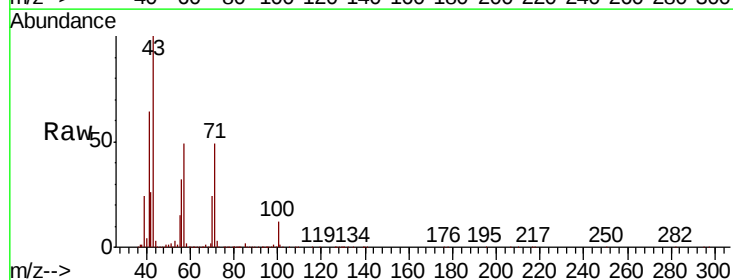
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

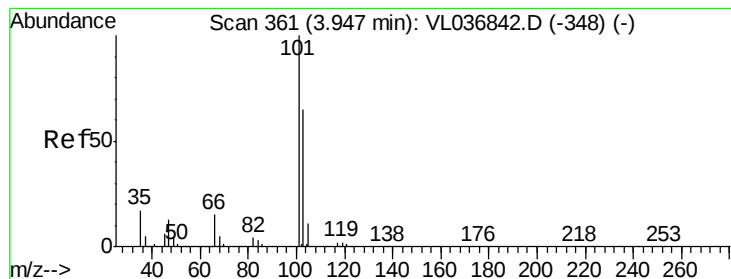
Tot Ion: 41 Resp: 788307
 Ion Ratio Lower Upper
 41 100
 42 71.4 56.0 84.0



#10
 Heptane
 Concen: 10.368 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion: 43 Resp: 2030944
 Ion Ratio Lower Upper
 43 100
 57 49.9 38.8 58.2





#11

Trichlorofluoromethane

Concen: 9.731 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

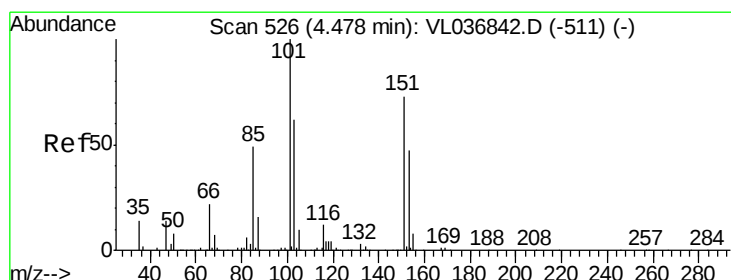
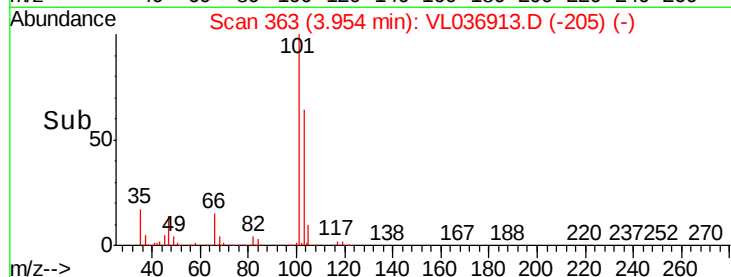
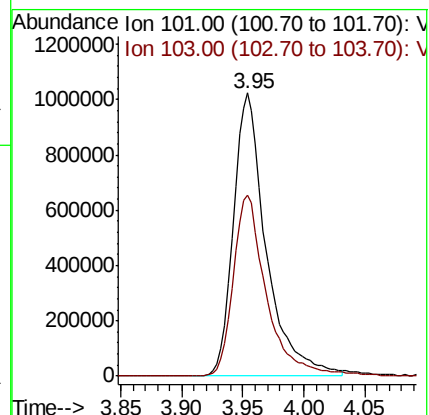
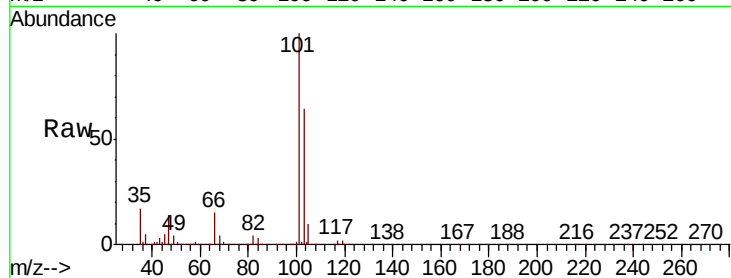
VSTDCCC010

Tot Ion:101 Resp: 1919590

Ion Ratio Lower Upper

101 100

103 63.9 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.475 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.01 min

Lab File: VL036913.D

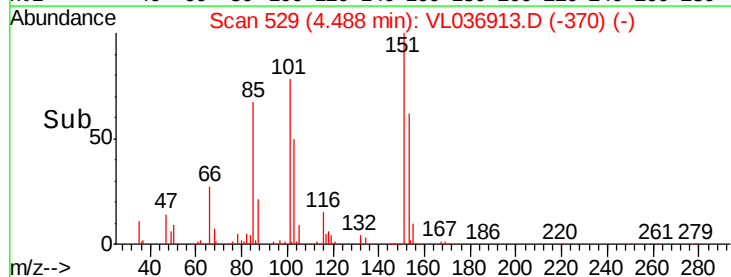
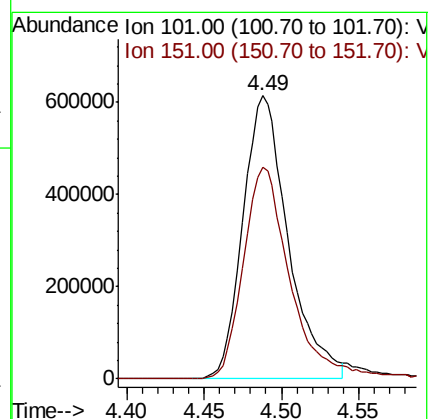
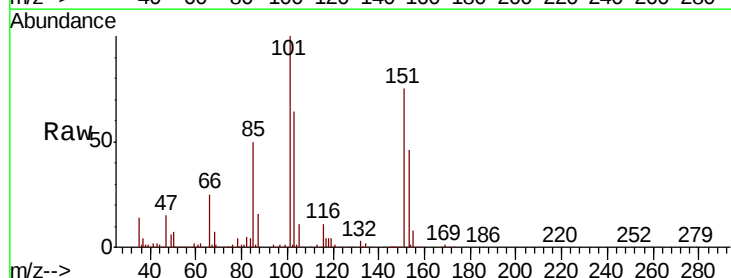
Acq: 7 May 2021 10:20

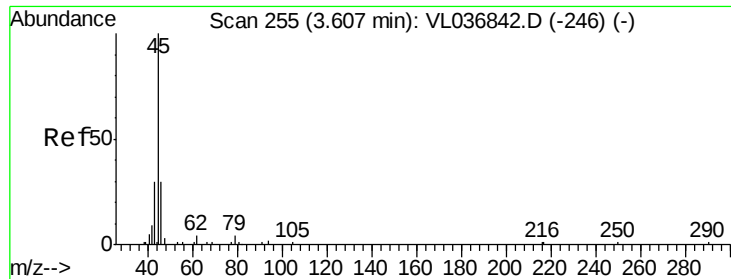
Tgt Ion:101 Resp: 1250971

Ion Ratio Lower Upper

101 100

151 78.4 61.1 91.7





#13

Ethanol

Concen: 3.581 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

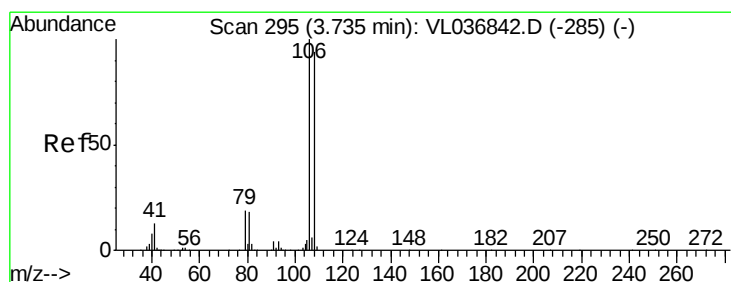
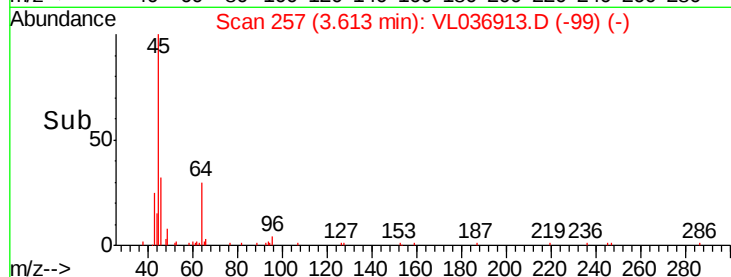
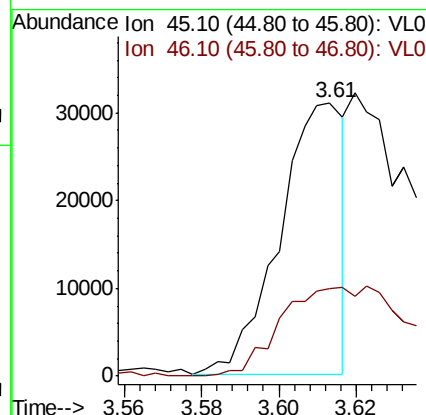
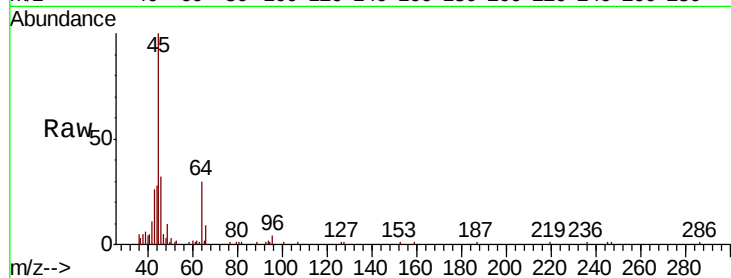
VSTDCCC010

Tot Ion: 45 Resp: 35568

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.4#



#14

Bromoethene

Concen: 10.429 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

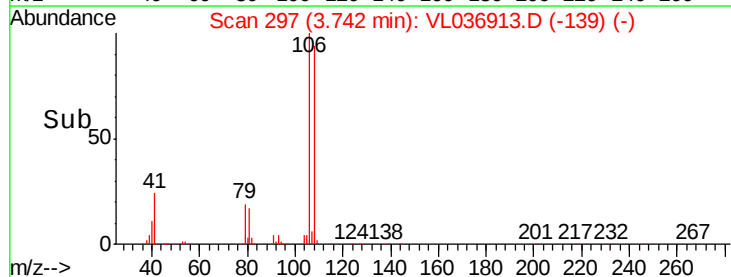
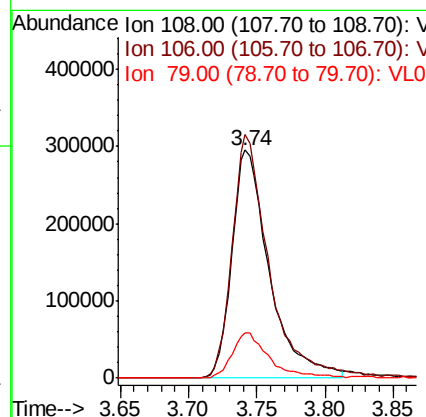
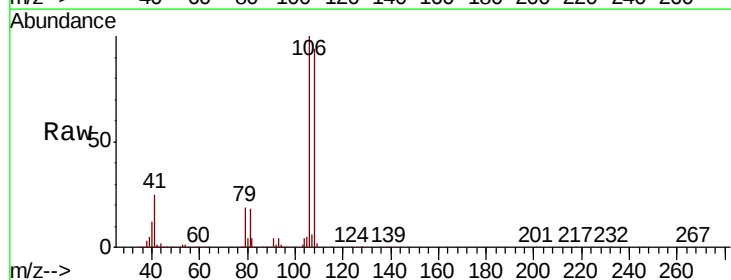
Tgt Ion: 108 Resp: 562523

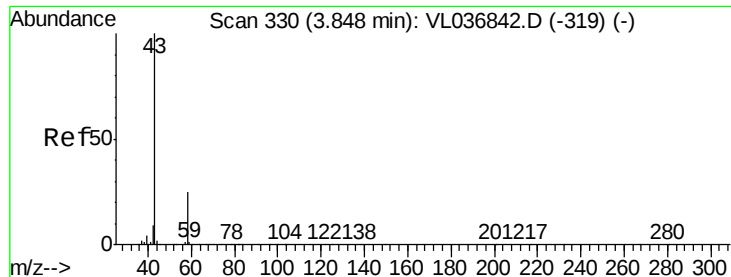
Ion Ratio Lower Upper

108 100

106 107.0 88.5 132.7

79 20.1 17.9 26.9





#15

Acetone

Concen: 9.870 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

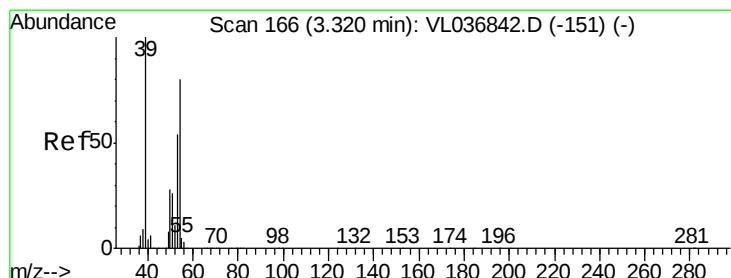
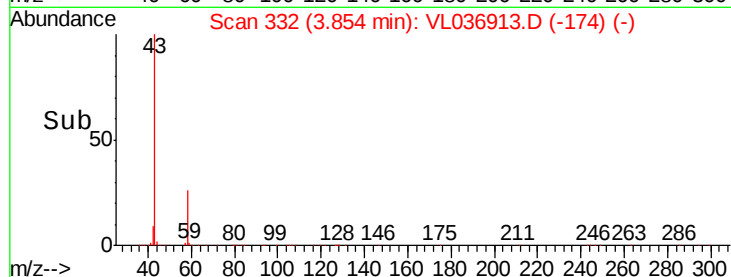
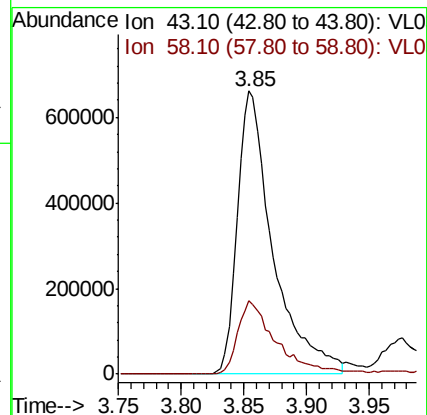
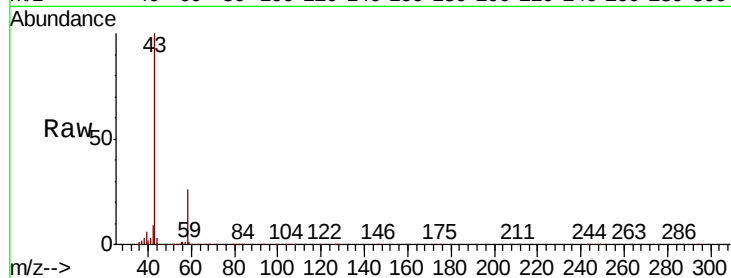
VSTDCCC010

Tot Ion: 43 Resp: 1305446

Ion Ratio Lower Upper

43 100

58 27.9 21.7 32.5



#16

1,3-Butadiene

Concen: 10.321 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL036913.D

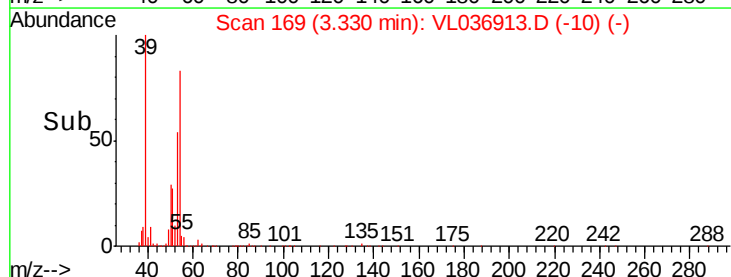
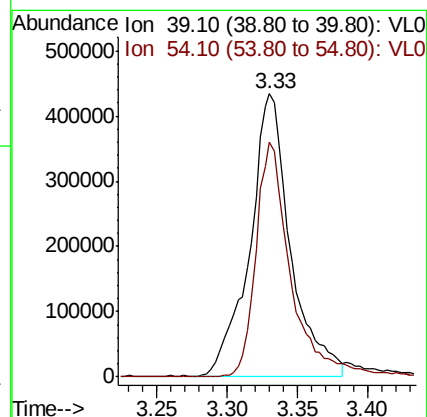
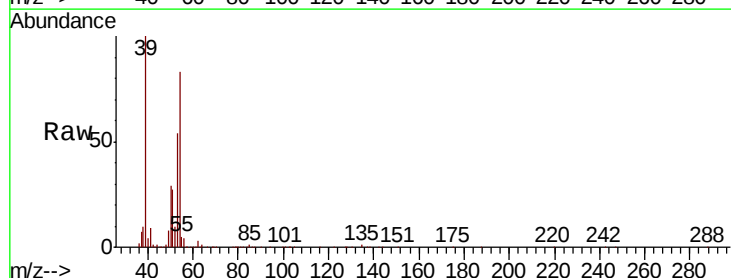
Acq: 7 May 2021 10:20

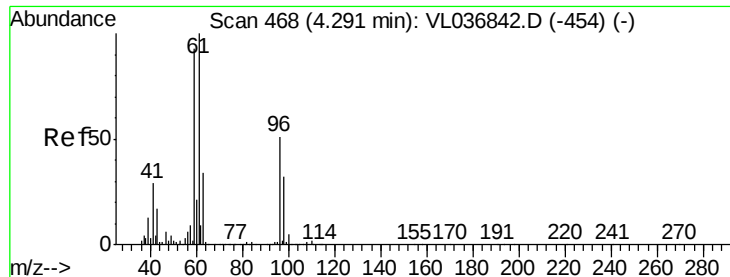
Tgt Ion: 39 Resp: 872855

Ion Ratio Lower Upper

39 100

54 72.3 59.6 89.4



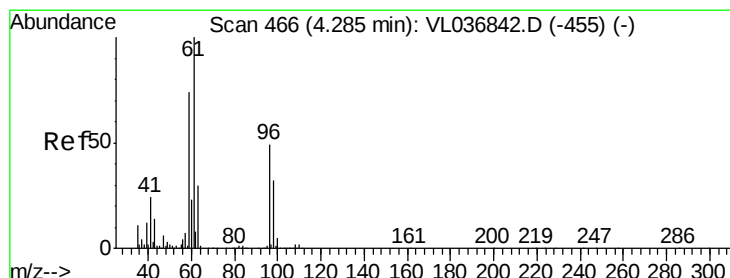
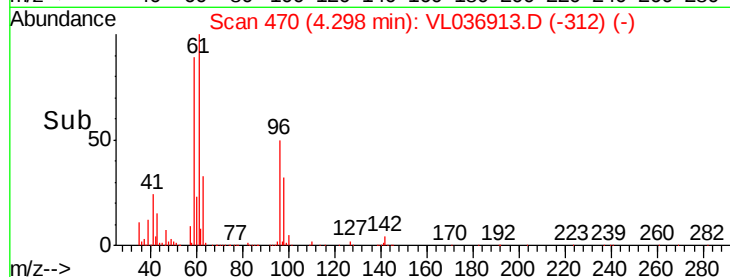
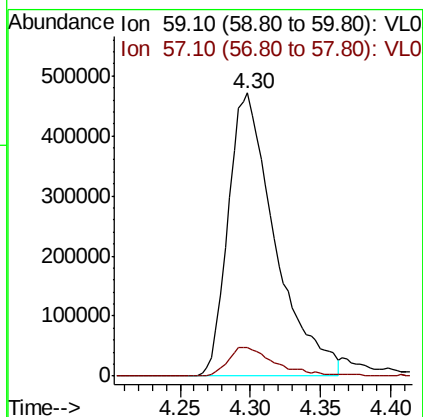
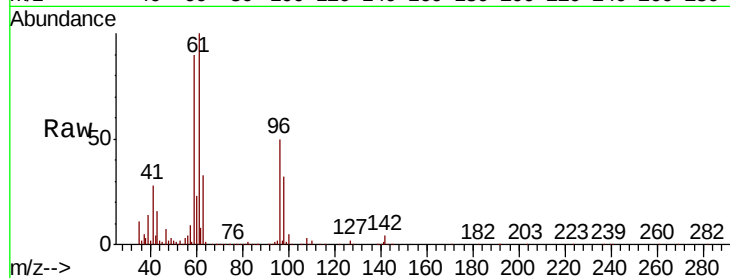


#17

tert-Butyl alcohol
Concen: 10.228 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

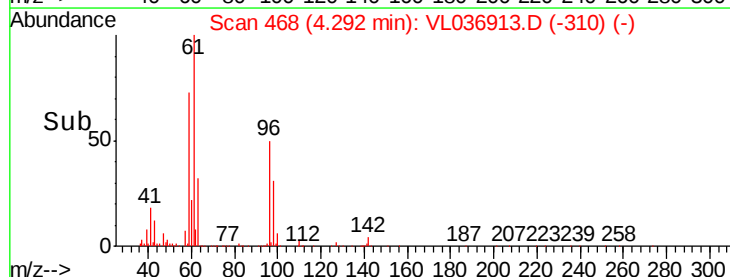
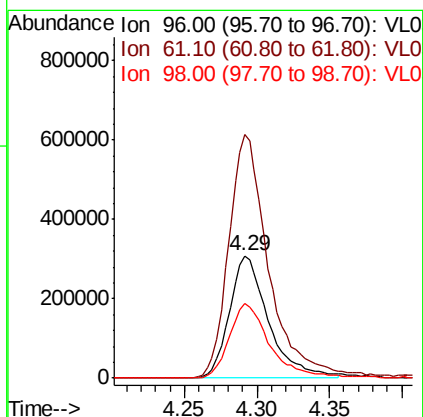
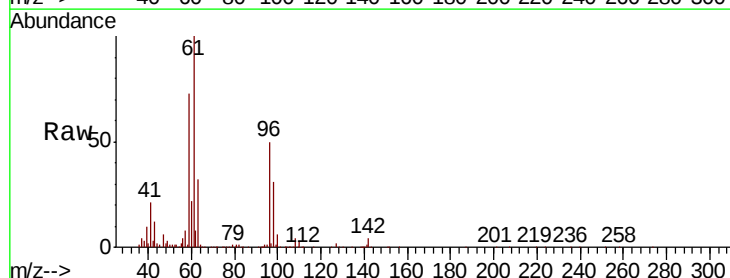
Tot Ion: 59 Resp: 1098039
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

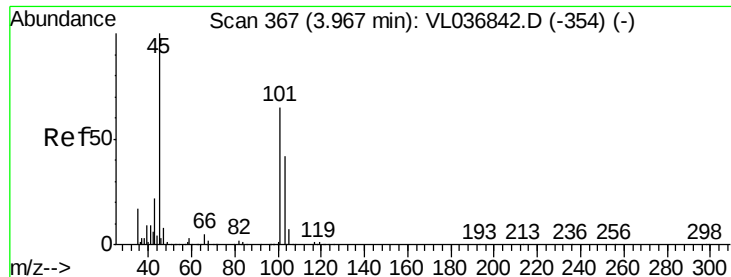


#18

1,1-Dichloroethene
Concen: 10.024 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 96 Resp: 575157
Ion Ratio Lower Upper
96 100
61 199.1 162.2 243.2
98 61.2 51.8 77.6





#19

Isopropyl Alcohol

Concen: 9.674 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

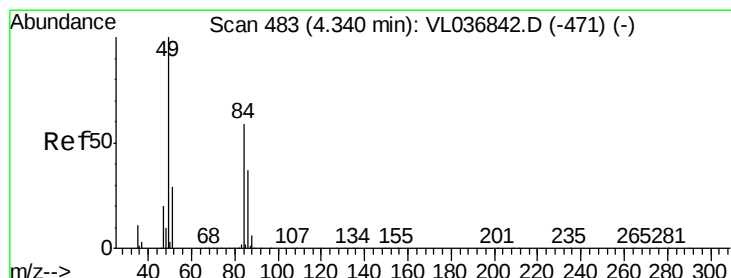
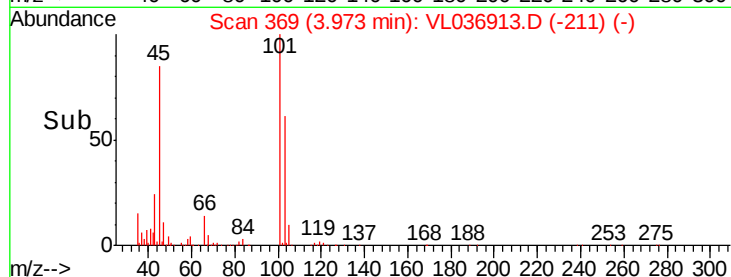
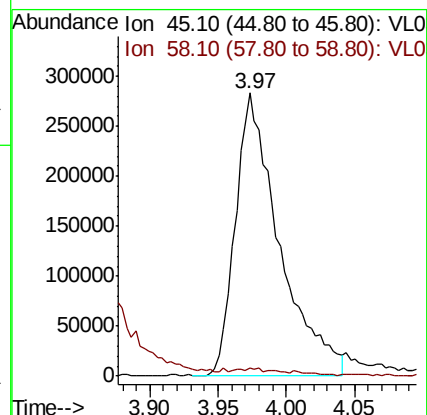
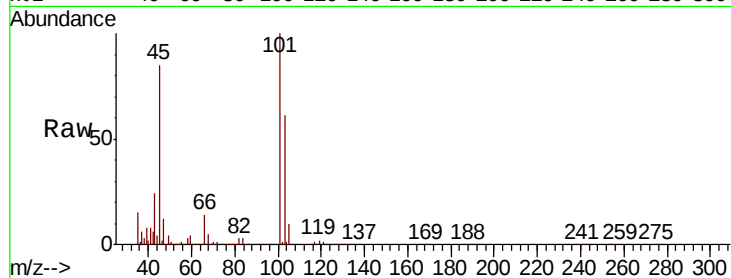
VSTDCCC010

Tot Ion: 45 Resp: 633981

Ion Ratio Lower Upper

45 100

58 3.8 2.8 4.2



#20

Methylene Chloride

Concen: 8.107 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion: 84 Resp: 512784

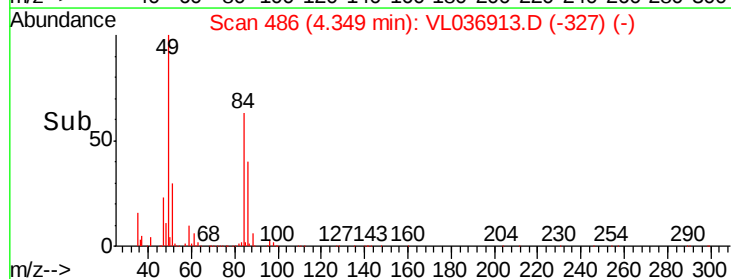
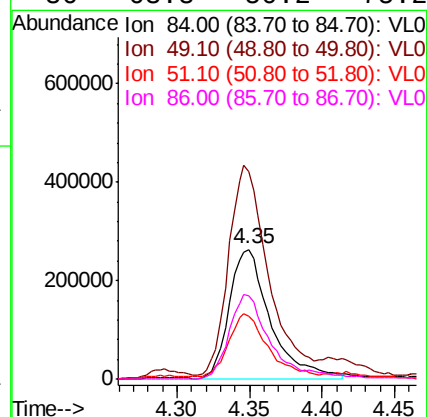
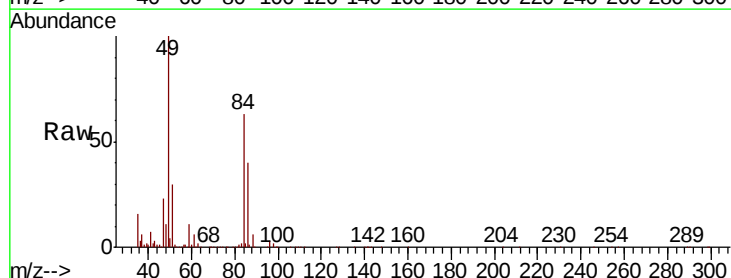
Ion Ratio Lower Upper

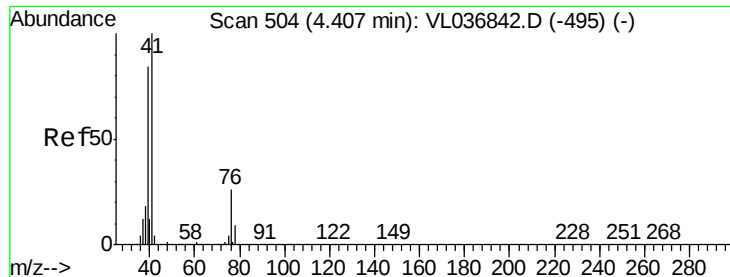
84 100

49 156.9 135.4 203.0

51 47.1 39.3 58.9

86 63.8 50.2 75.2

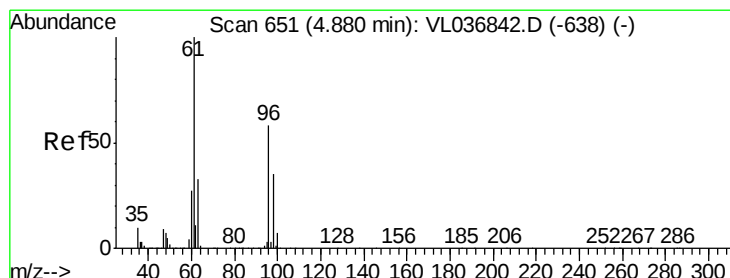
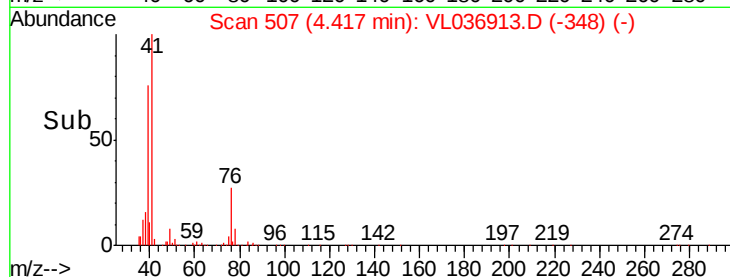
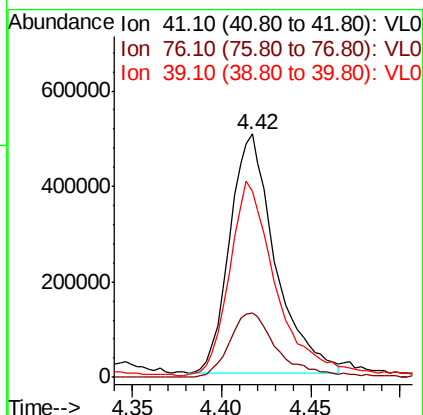
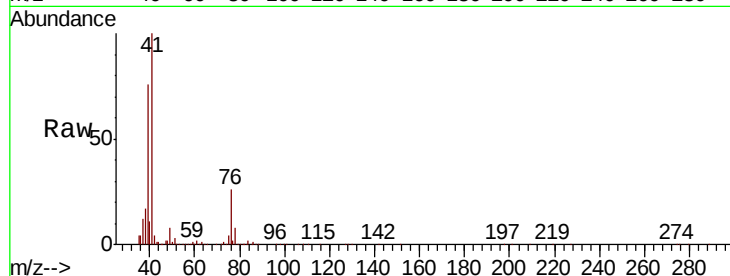




#21
Allvl Chloride
Concen: 9.048 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

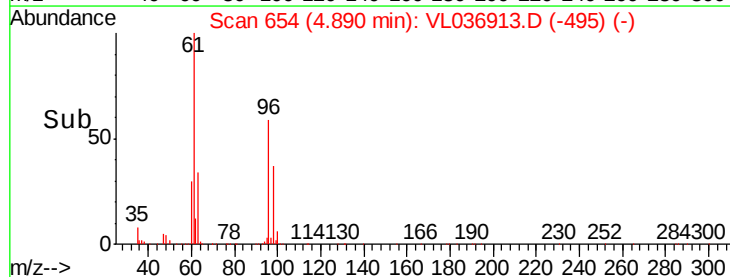
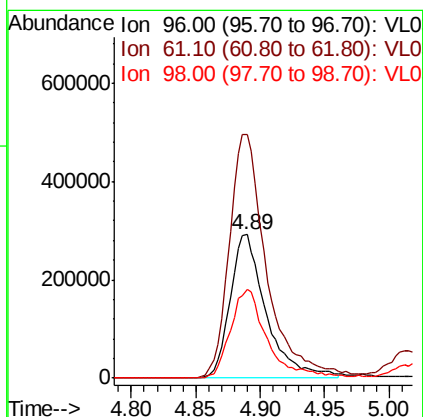
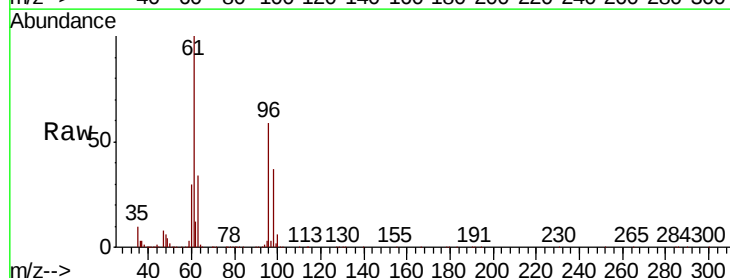
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

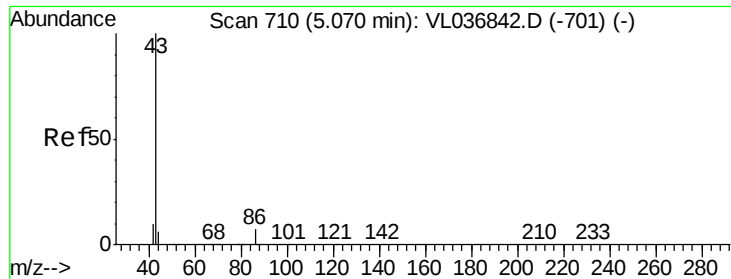
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.2	22.4	33.6
39	83.9	68.4	102.6



#22
trans-1,2-Dichloroethene
Concen: 9.862 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	138.6	207.8
98	62.0	48.1	72.1





#23

Vinyl Acetate

Concen: 12.609 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2268516

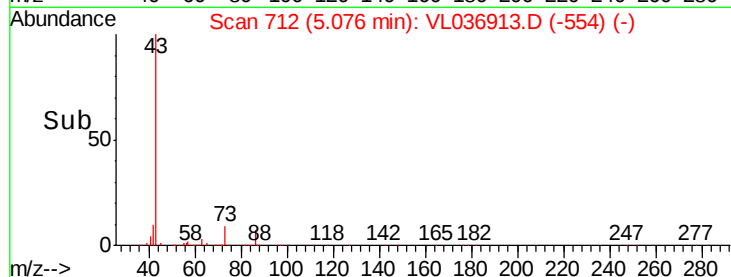
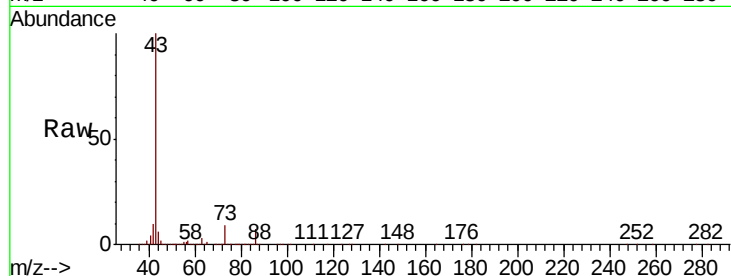
Ion Ratio Lower Upper

43 100

86 7.1 5.3 7.9

42 9.5 8.7 13.1

44 4.9 3.9 5.9

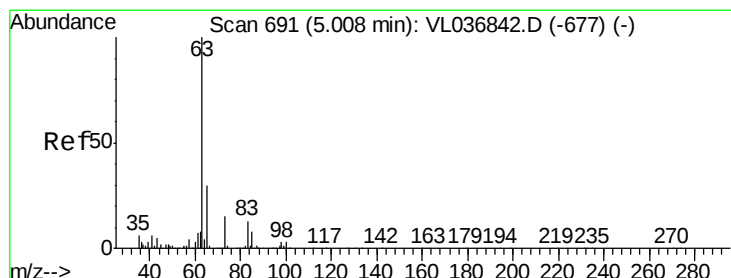
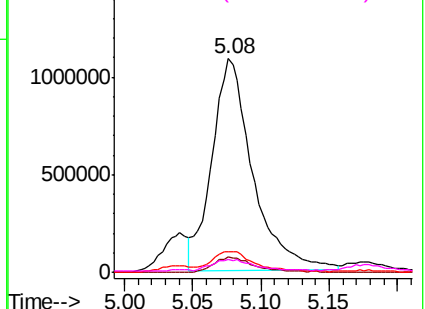


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.964 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

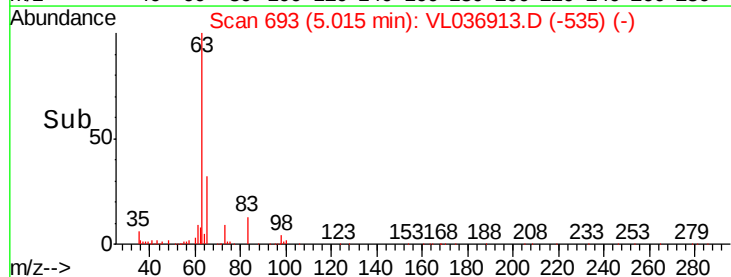
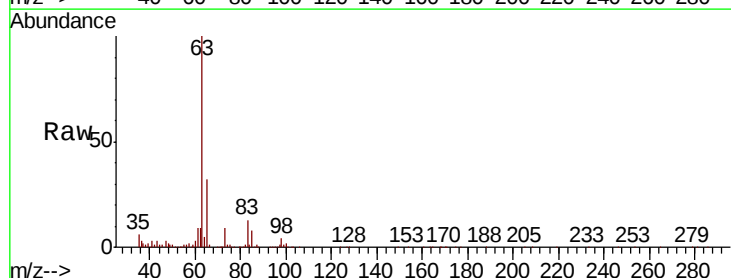
Tgt Ion: 63 Resp: 1272499

Ion Ratio Lower Upper

63 100

98 3.6 1.7 5.1

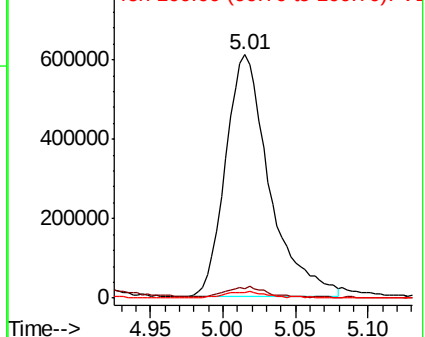
100 2.2 1.3 3.8

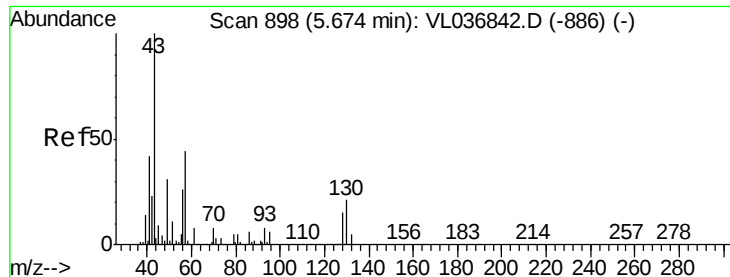


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



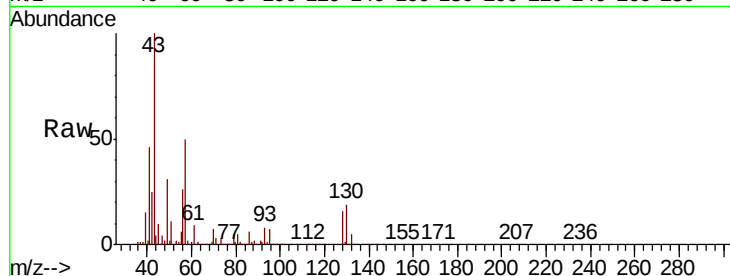


#25
Ethyl Acetate
Concen: 9.463 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

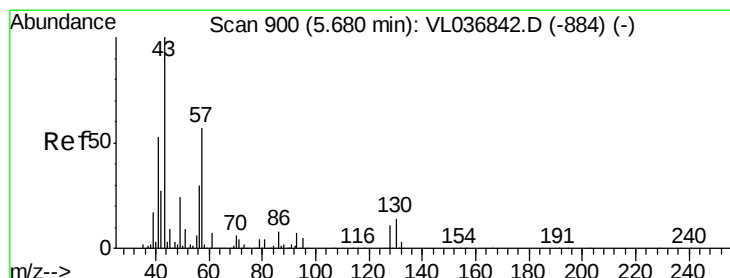
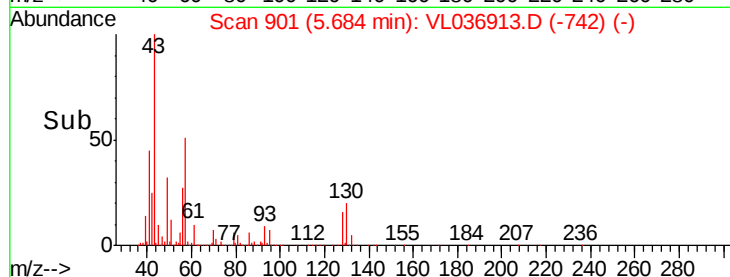
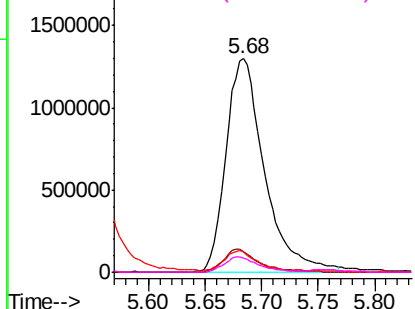
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 3057325

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	9.4	7.4	11.0
70	6.5	5.4	8.0



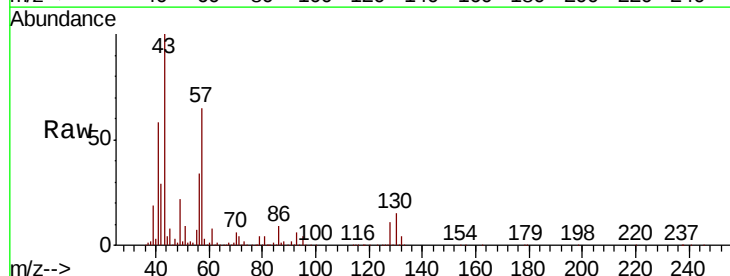
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



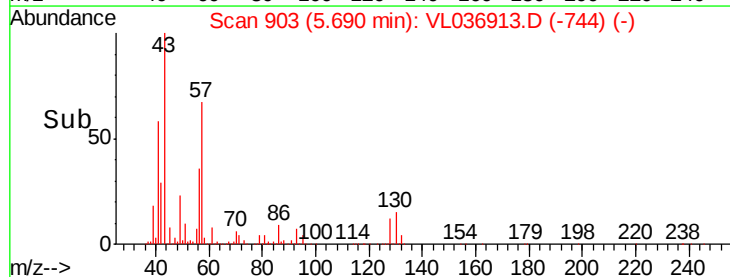
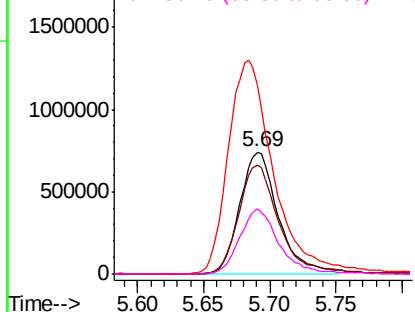
#26
Hexane
Concen: 9.946 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

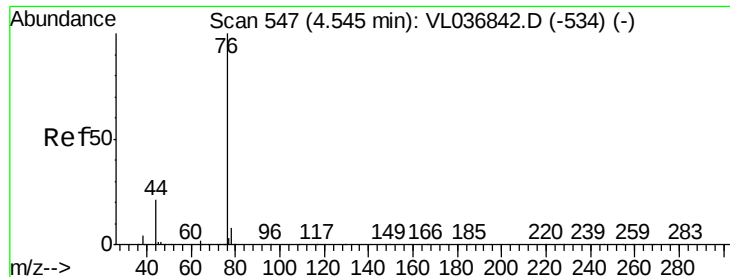
Tgt Ion: 57 Resp: 1503420

Ion	Ratio	Lower	Upper
57	100		
41	94.4	77.7	116.5
43	208.2	180.5	270.7
56	54.7	44.6	66.8



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





#27

Carbon Disulfide

Concen: 10.963 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

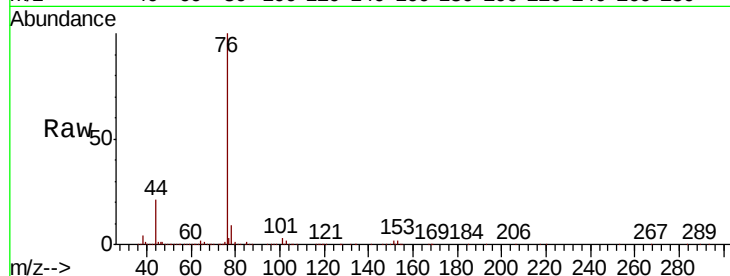
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1439322

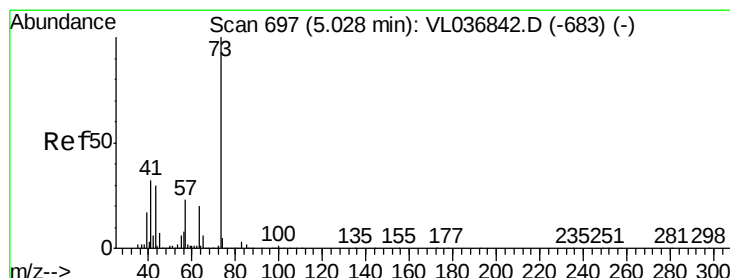
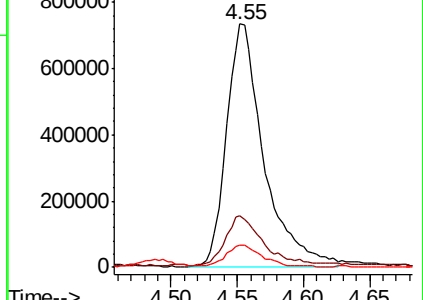
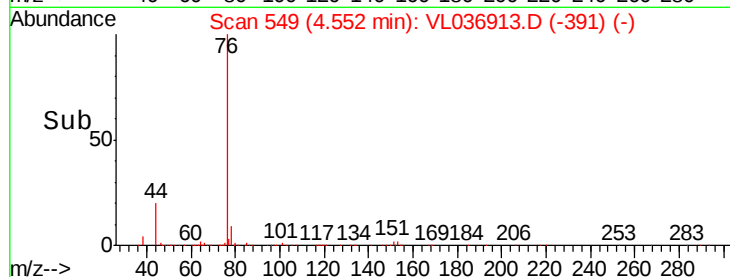
Ion	Ratio	Lower	Upper
76	100		
44	22.0	16.9	25.3
78	9.2	7.9	11.9



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



#28

Methyl tert-Butyl Ether

Concen: 10.703 ppbv

RT: 5.04 min Scan# 701

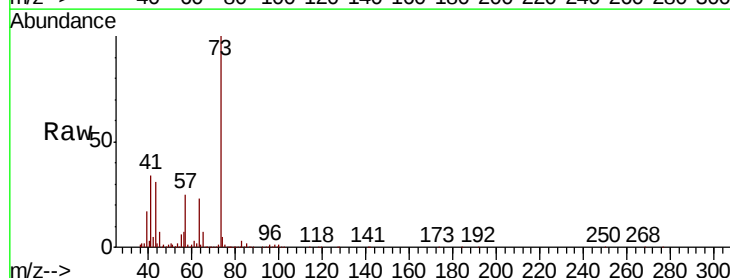
Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

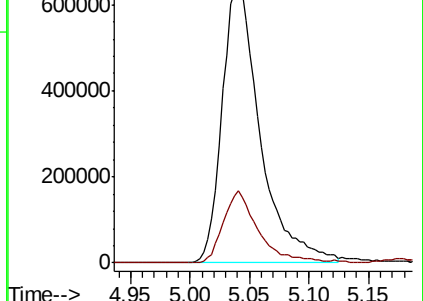
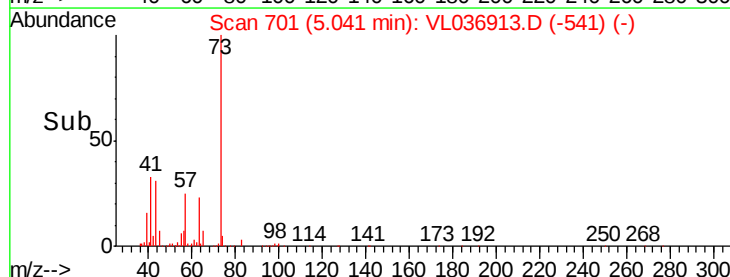
Tgt Ion: 73 Resp: 1433985

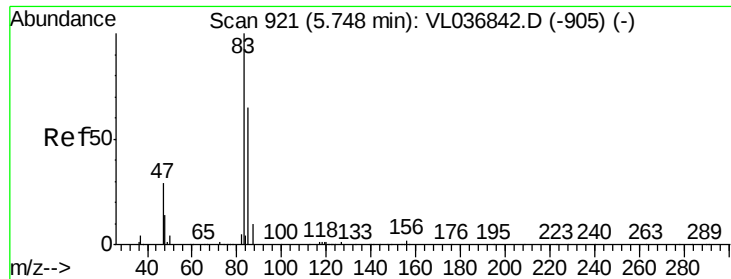
Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.0	28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.016 ppbv

RT: 5.76 min Scan# 924

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

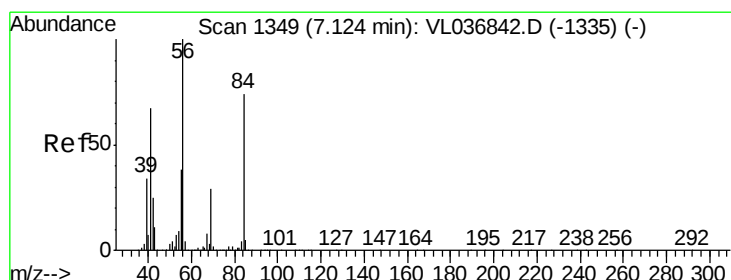
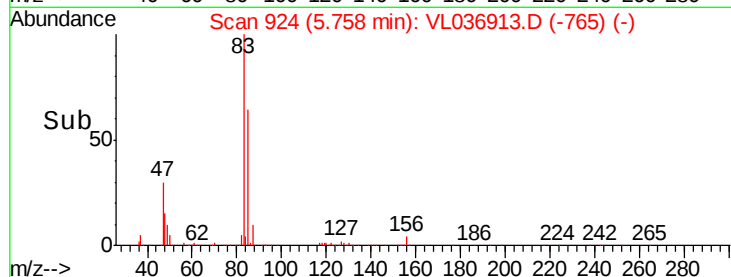
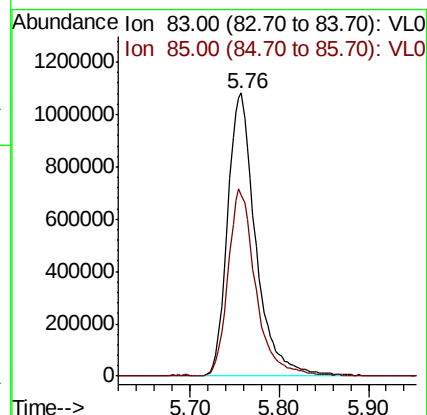
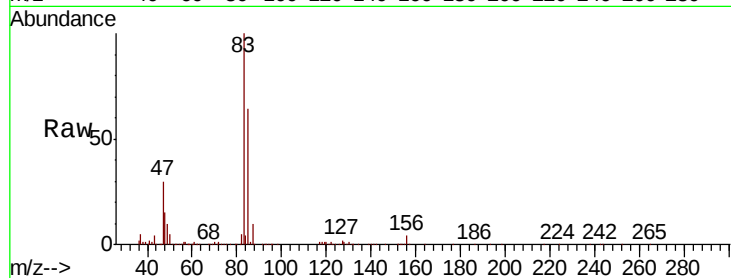
VSTDCCC010

Tot Ion: 83 Resp: 2360218

Ion Ratio Lower Upper

83 100

85 63.5 52.2 78.4



#30

Cyclohexane

Concen: 10.397 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

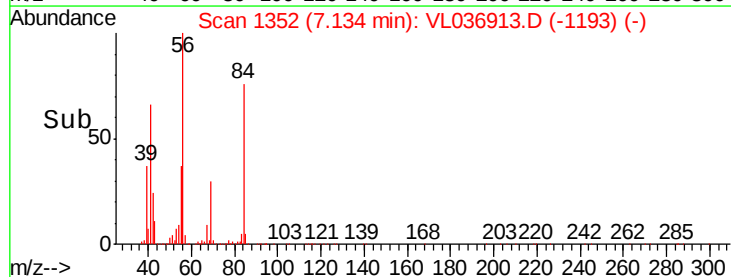
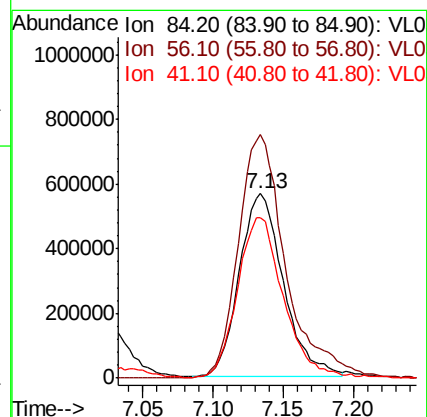
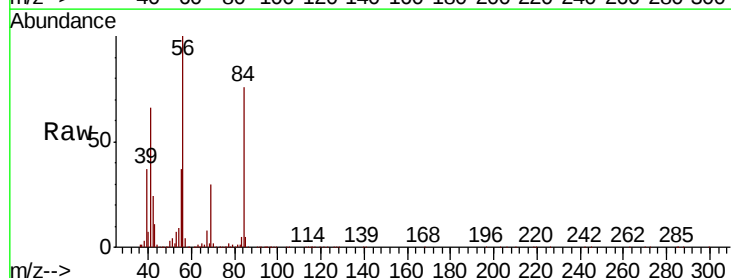
Tgt Ion: 84 Resp: 1246189

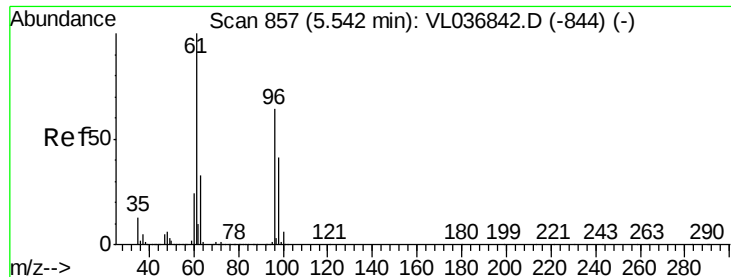
Ion Ratio Lower Upper

84 100

56 143.6 115.8 173.6

41 91.7 74.6 111.8



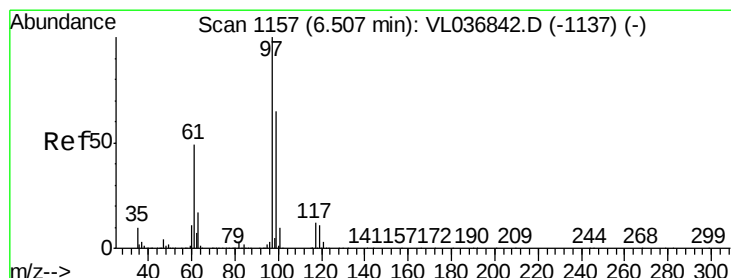
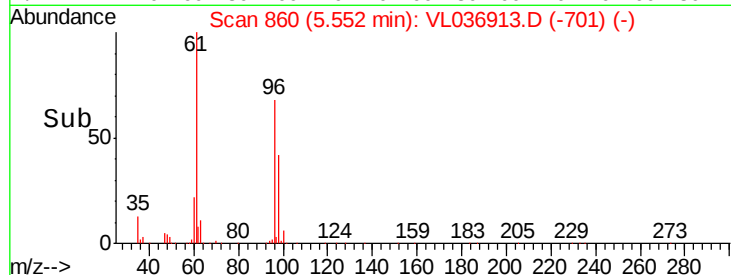
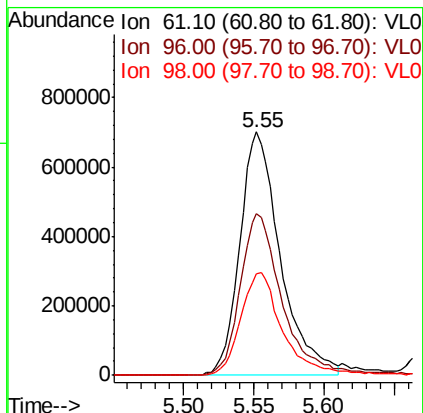
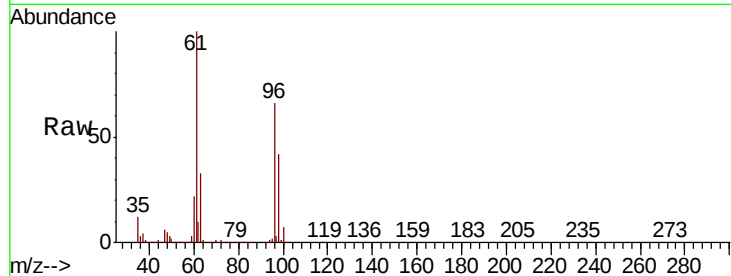


#31

cis-1,2-Dichloroethene
 Concen: 10.420 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

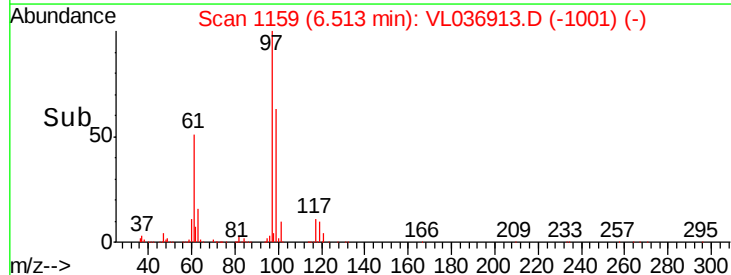
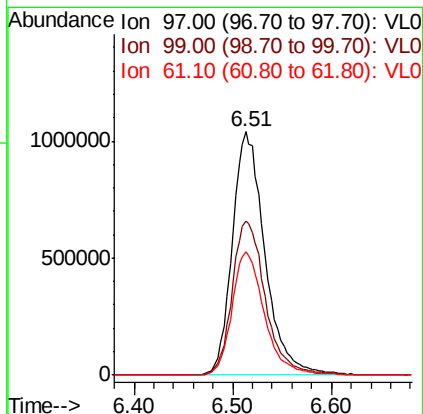
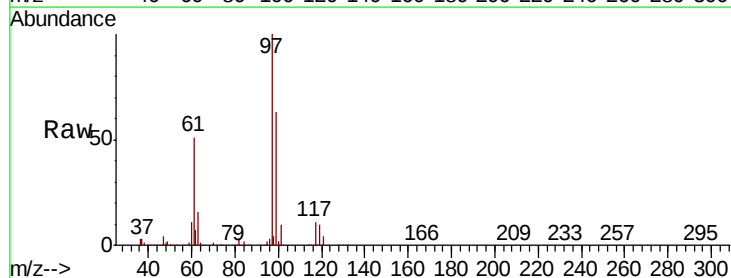
Tot Ion: 61 Resp: 1413718
 Ion Ratio Lower Upper
 61 100
 96 66.4 51.0 76.6
 98 41.8 32.7 49.1

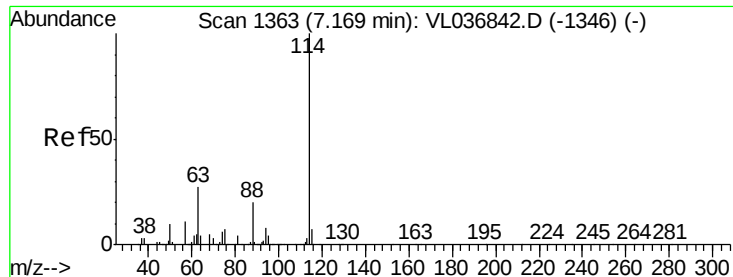


#32

1,1,1-Trichloroethane
 Concen: 9.964 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion: 97 Resp: 2387782
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.8 77.6
 61 50.8 40.8 61.2

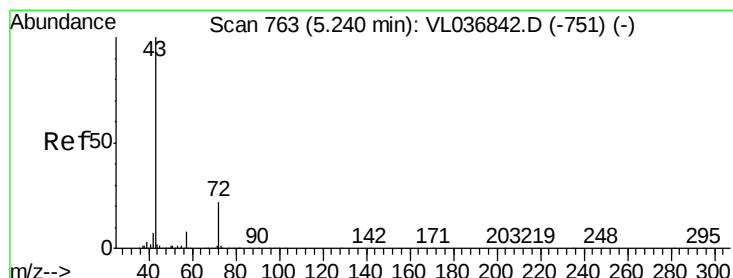
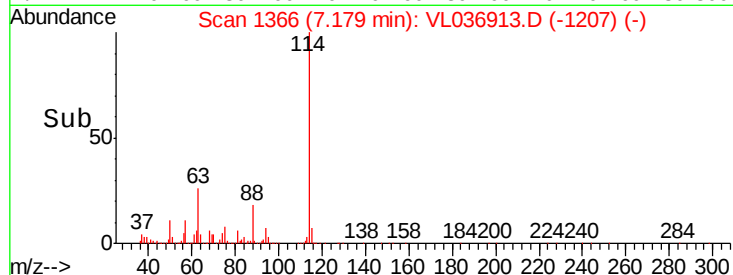
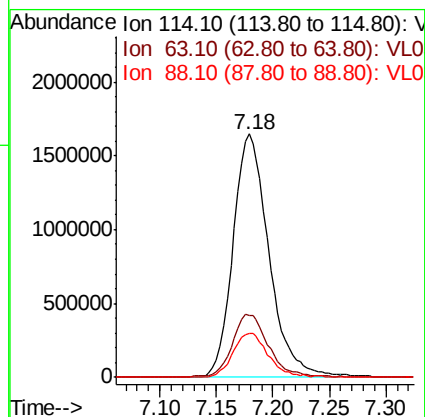
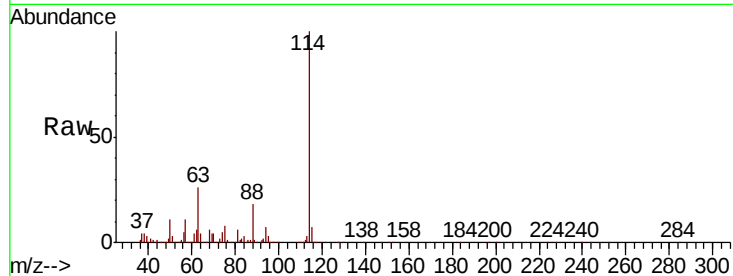




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

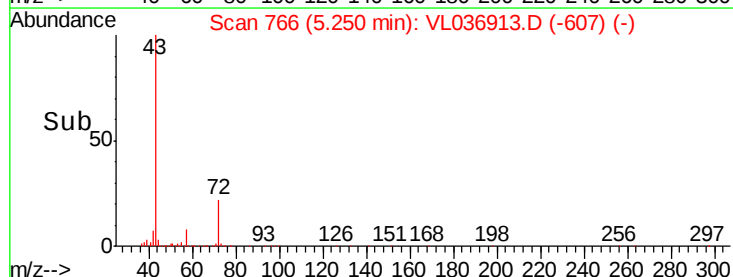
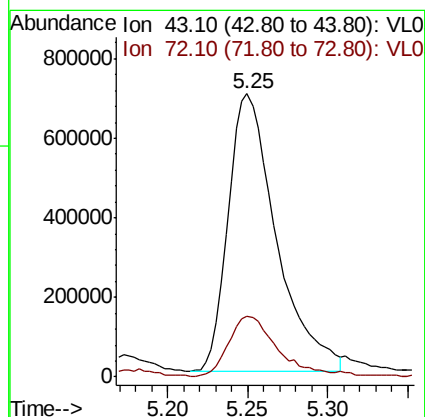
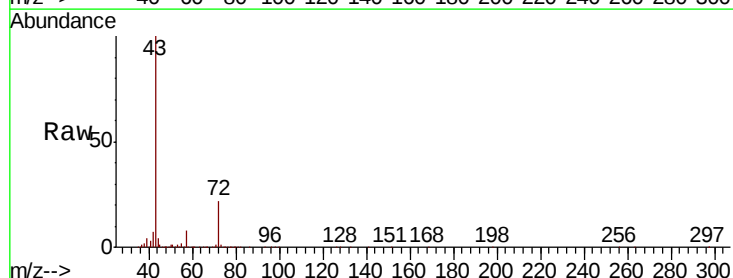
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

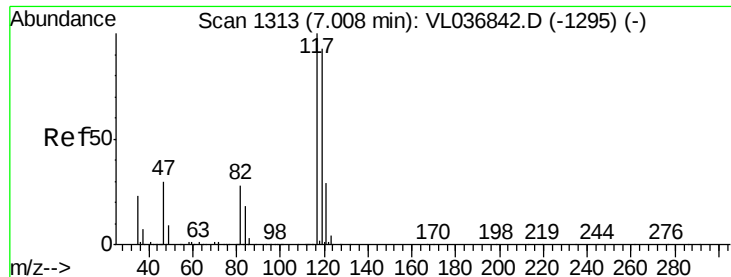
Tot Ion:114 Resp: 3632329
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.9 32.9
 88 18.2 15.1 22.7



#34
 2-Butanone
 Concen: 9.030 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion: 43 Resp: 1436739
 Ion Ratio Lower Upper
 43 100
 72 23.4 17.6 26.4

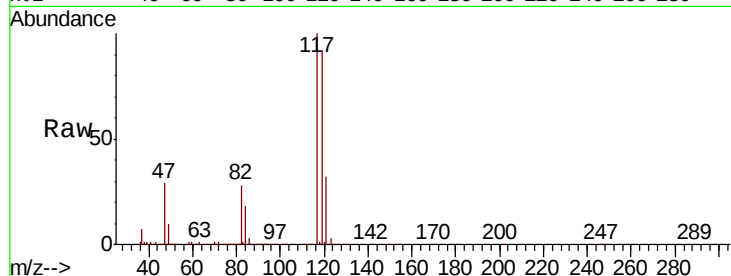




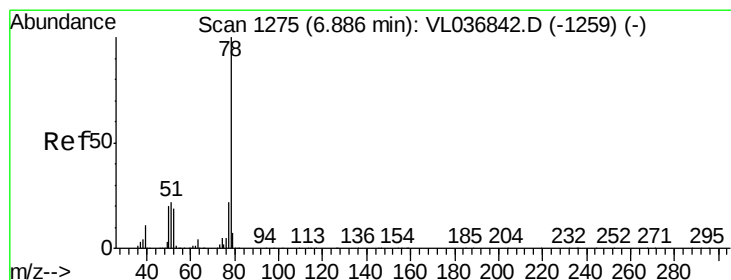
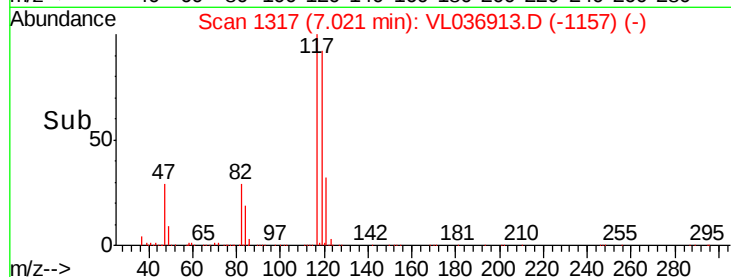
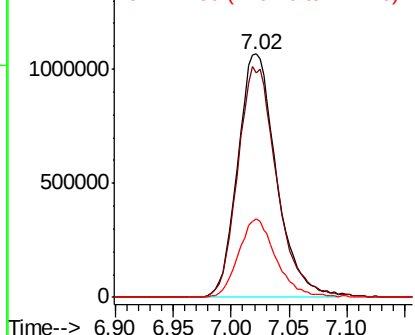
#35
Carbon Tetrachloride
Concen: 10.057 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2478804
Ion Ratio Lower Upper
117 100
119 92.2 74.6 111.8
121 32.1 23.3 34.9

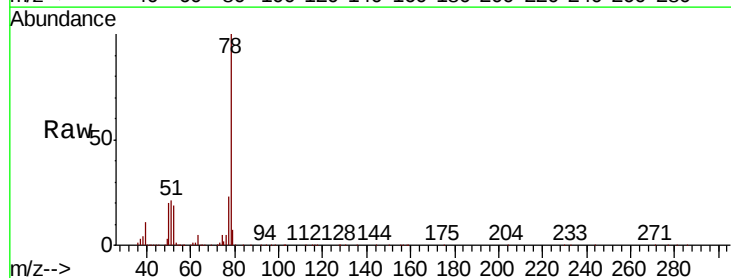


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

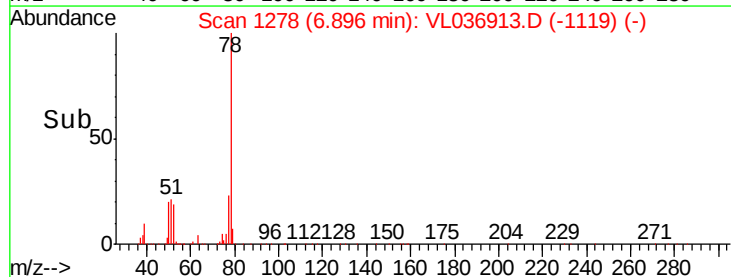
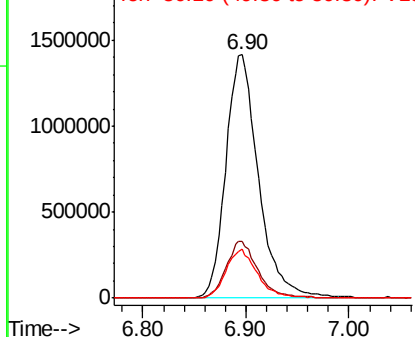


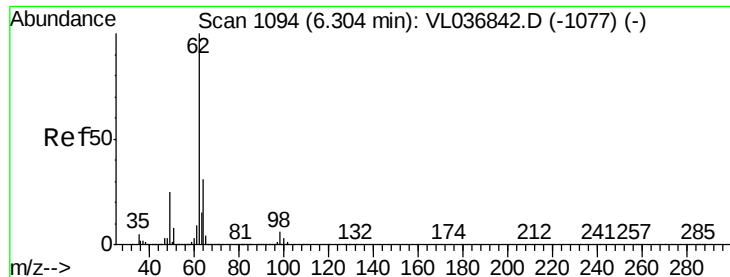
#36
Benzene
Concen: 10.190 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 78 Resp: 3118694
Ion Ratio Lower Upper
78 100
77 23.2 17.6 26.4
50 20.3 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: 10.145 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

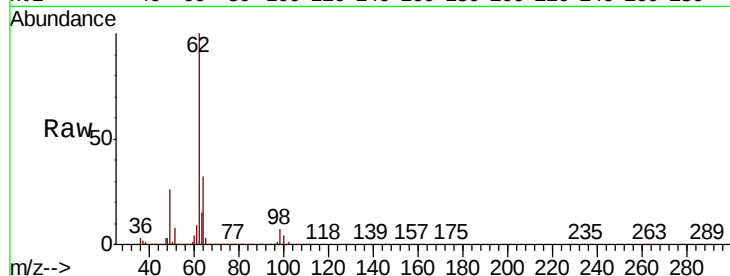
VSTDCCC010

Tot Ion: 62 Resp: 1758145

Ion Ratio Lower Upper

62 100

98 6.5 4.8 7.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

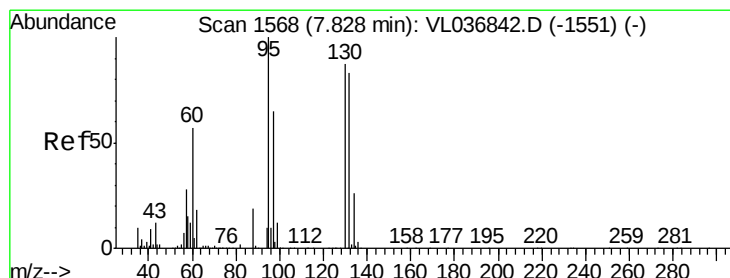
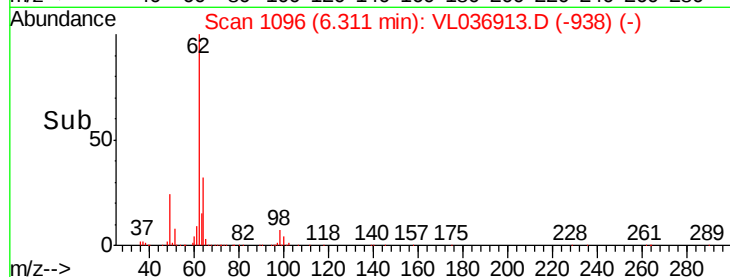
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.451 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion:130 Resp: 1138737

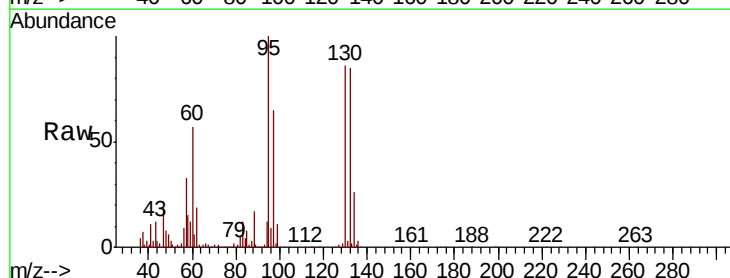
Ion Ratio Lower Upper

130 100

95 117.2 92.3 138.5

132 99.0 76.8 115.2

97 76.3 60.0 90.0



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

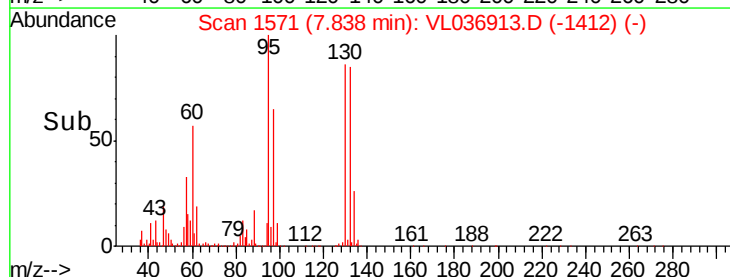
600000

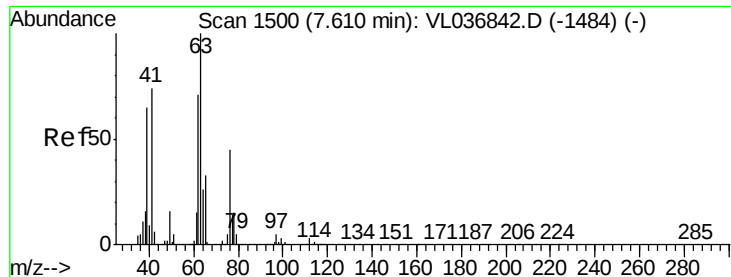
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.944 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

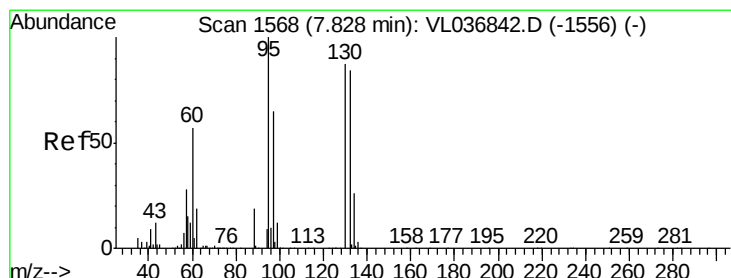
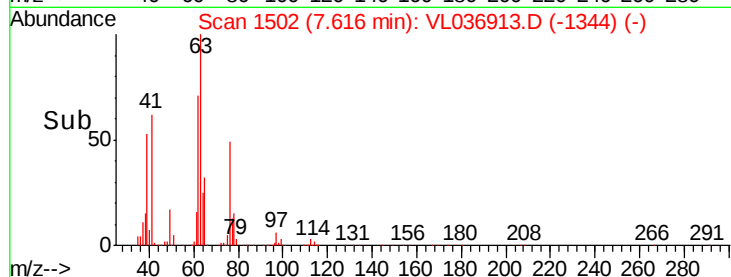
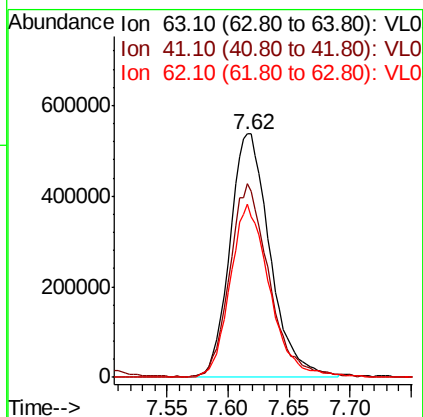
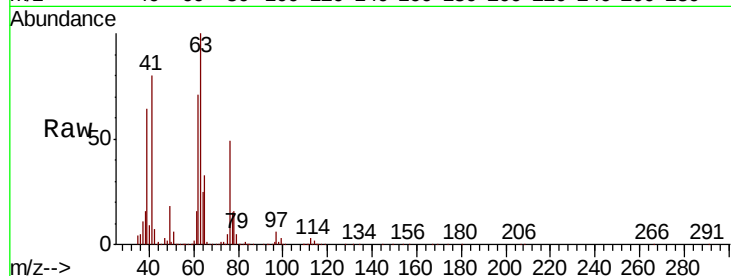
Tot Ion: 63 Resp: 1219193

Ion	Ratio	Lower	Upper
63	100		
41	79.3	59.1	88.7
62	71.0	56.9	85.3

63 100

41 79.3 59.1 88.7

62 71.0 56.9 85.3



#40

1,4-Dioxane

Concen: 9.320 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion: 88 Resp: 275946

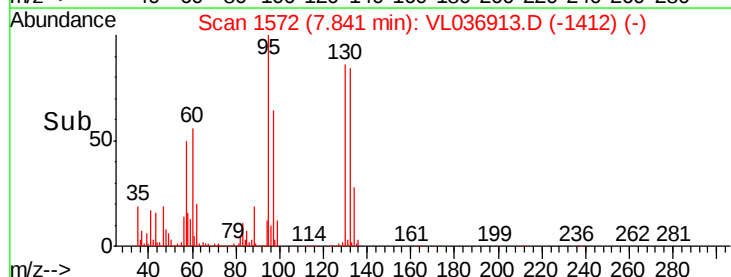
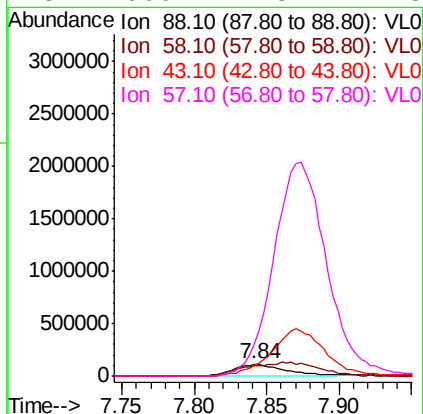
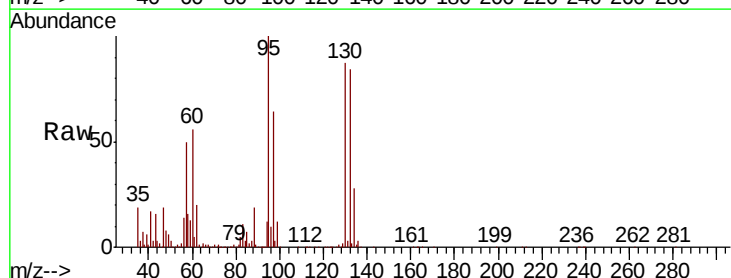
Ion	Ratio	Lower	Upper
88	100		
58	168.8	132.6	198.8
43	422.0	331.5	497.3
57	1900.4	1457.4	2186.0

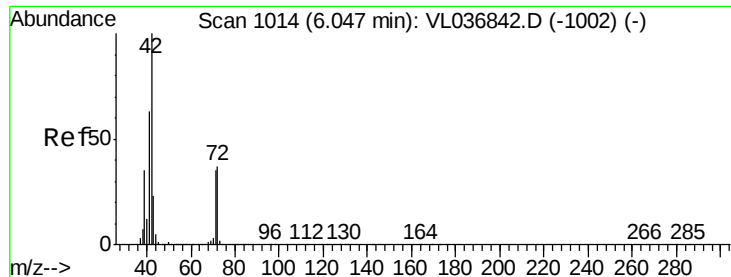
88 100

58 168.8 132.6 198.8

43 422.0 331.5 497.3

57 1900.4 1457.4 2186.0





#41

Tetrahydrofuran

Concen: 9.622 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

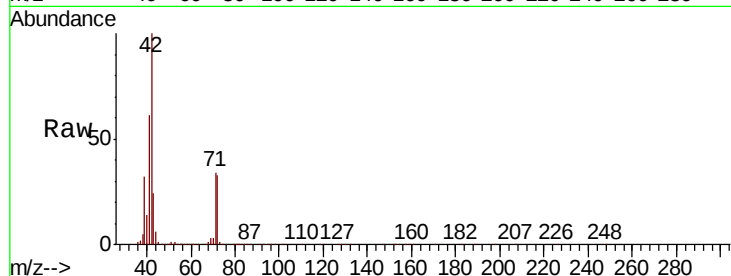
Tot Ion: 42 Resp: 669716

Ion Ratio Lower Upper

42 100

72 37.1 29.7 44.5

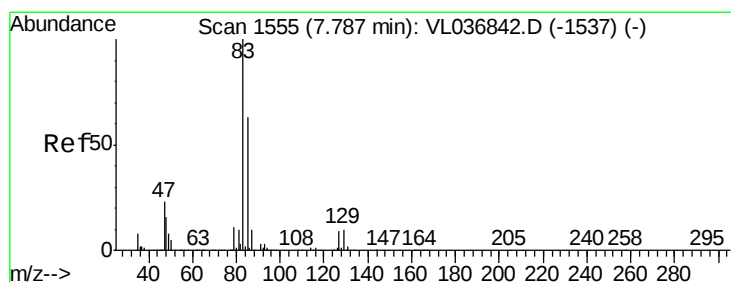
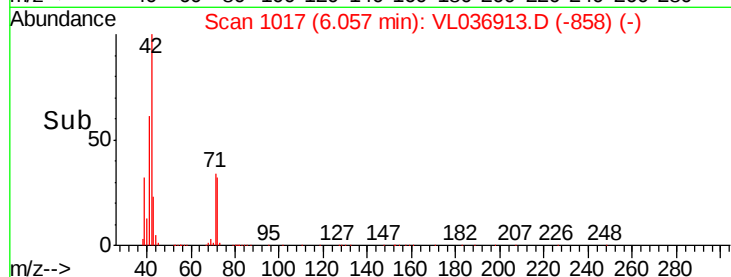
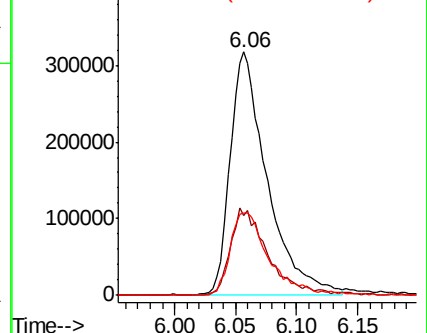
71 36.6 29.0 43.6



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: 10.548 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

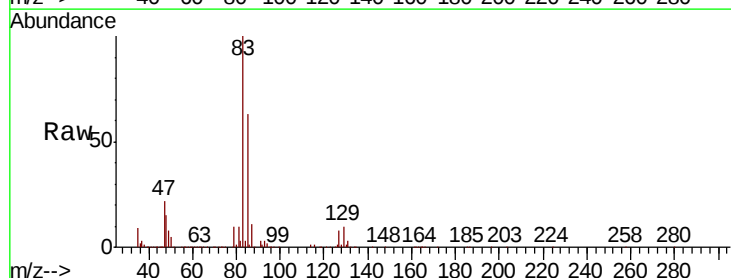
Tgt Ion: 83 Resp: 2539823

Ion Ratio Lower Upper

83 100

85 62.7 50.4 75.6

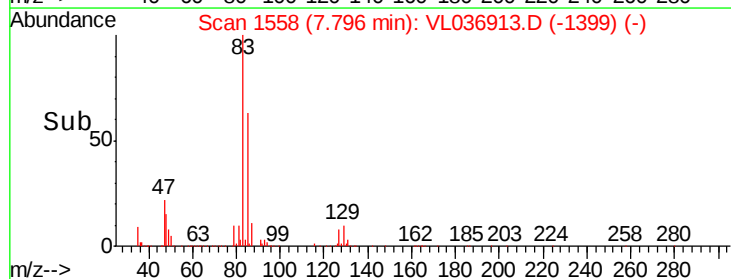
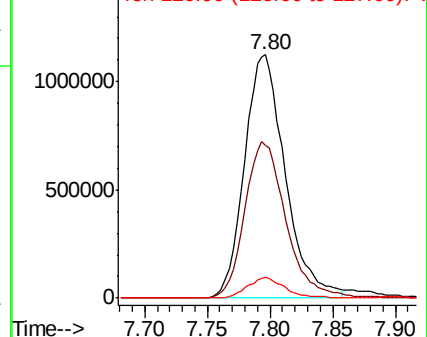
127 8.4 6.9 10.3

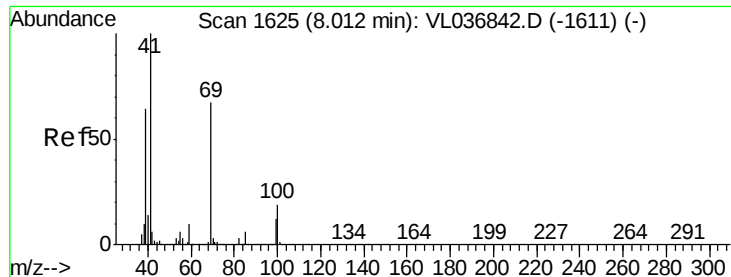


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

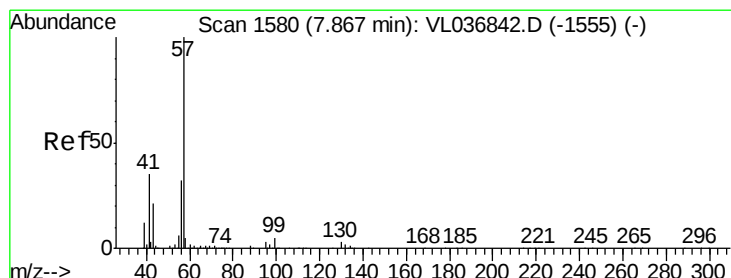
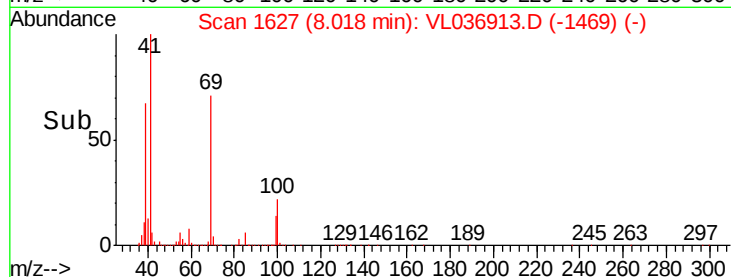
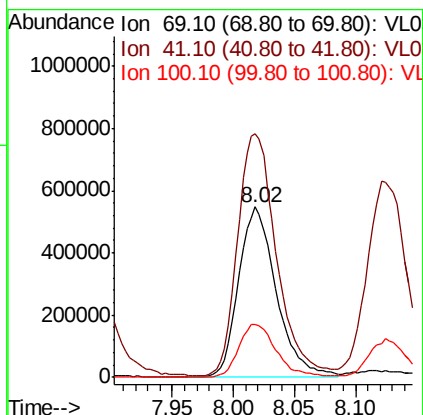
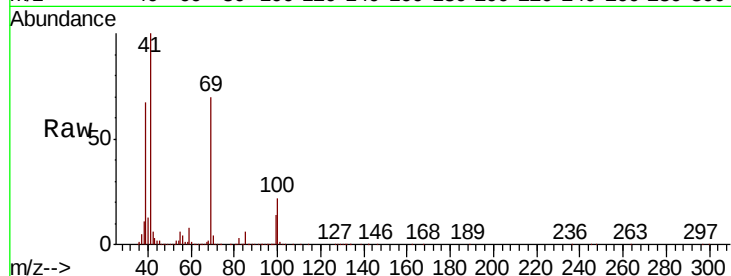




#43
Methvl Methacrilate
Concen: 11.698 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

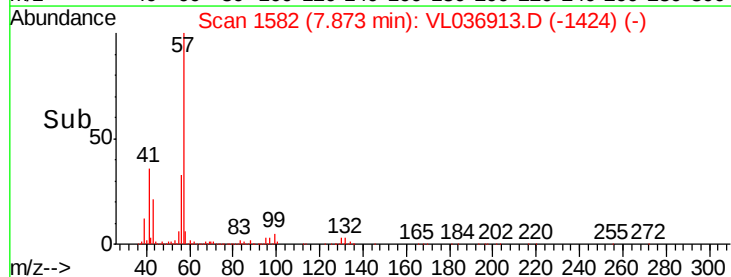
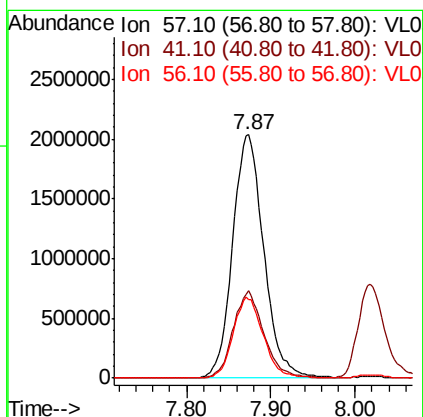
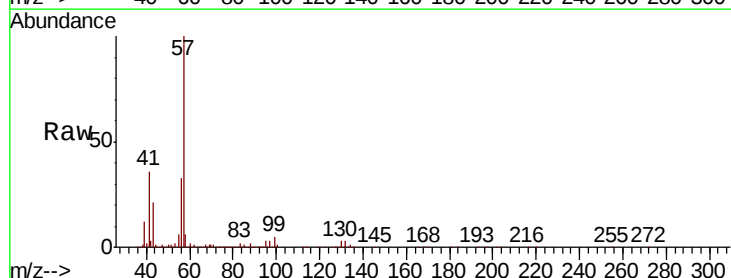
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

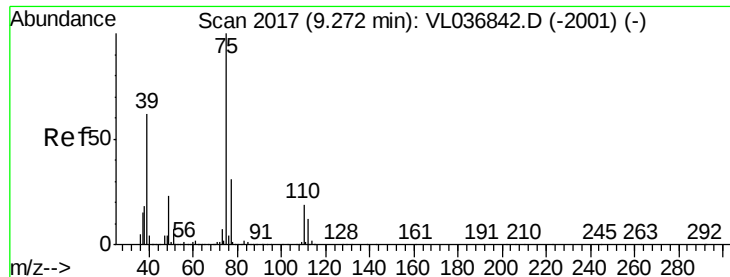
Tot Ion: 69 Resp: 1168177
Ion Ratio Lower Upper
69 100
41 148.2 124.2 186.4
100 31.1 25.5 38.3



#44
2,2,4-Trimethylpentane
Concen: 9.989 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 57 Resp: 5238994
Ion Ratio Lower Upper
57 100
41 35.2 28.2 42.4
56 32.2 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 8.005 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

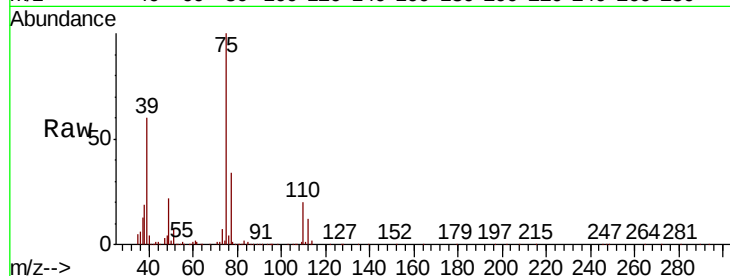
VSTDCCC010

Tot Ion: 75 Resp: 861745

Ion Ratio Lower Upper

75 100

77 33.9 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

400000

300000

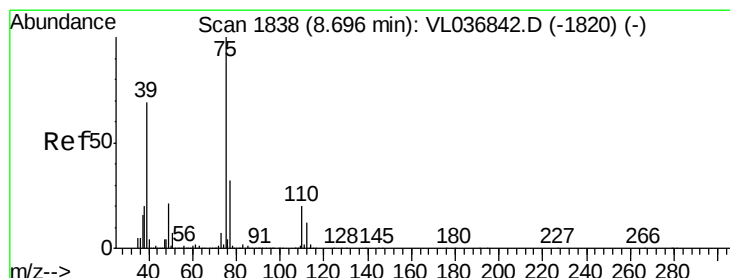
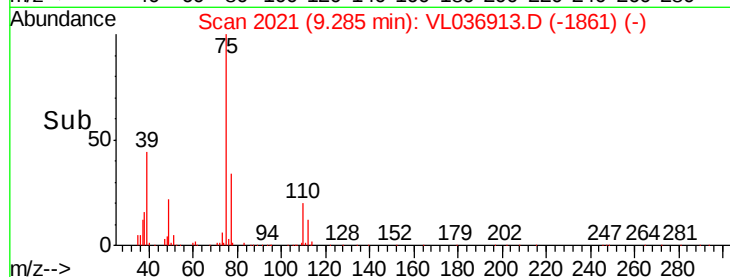
200000

100000

0

Time-->

9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 8.406 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

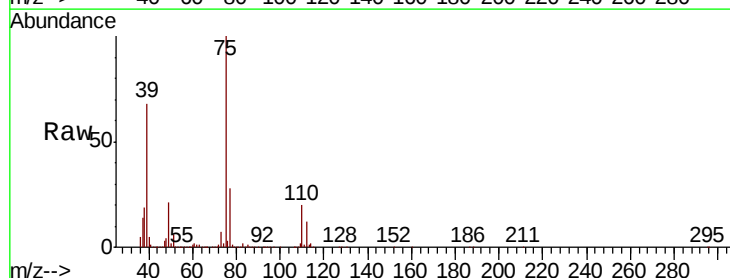
Tgt Ion: 75 Resp: 1160200

Ion Ratio Lower Upper

75 100

39 67.4 55.4 83.0

77 28.4 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.70

600000

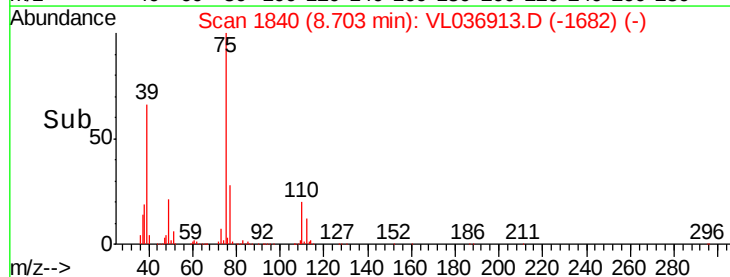
400000

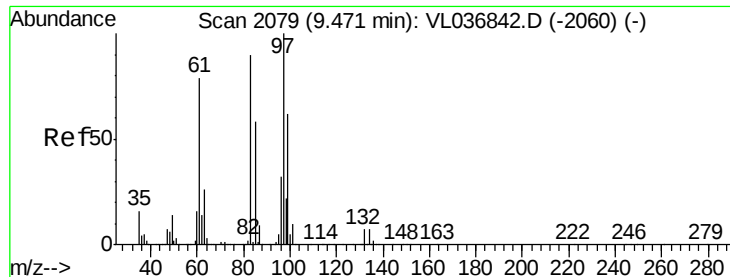
200000

0

Time-->

8.60 8.65 8.70 8.75 8.80



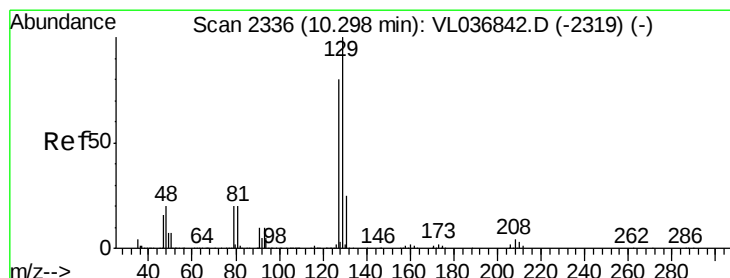
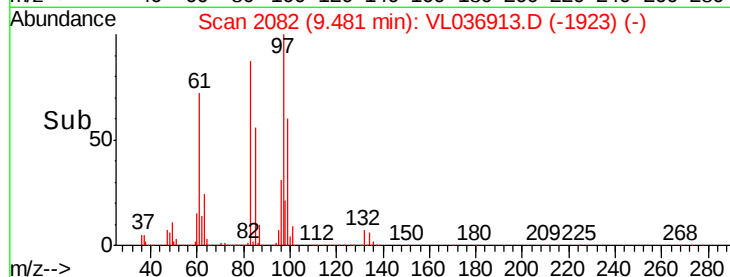
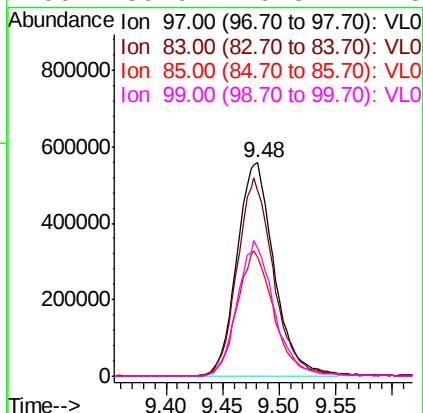
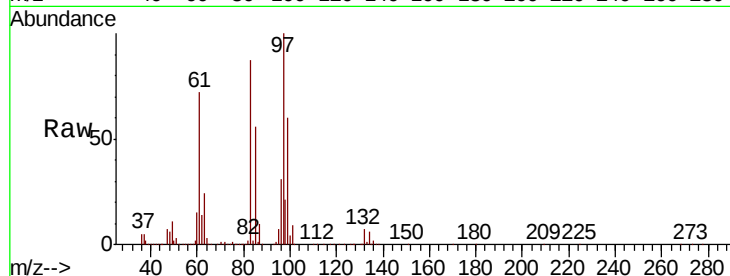


#47
 1,1,2-Trichloroethane
 Concen: 10.076 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1279018

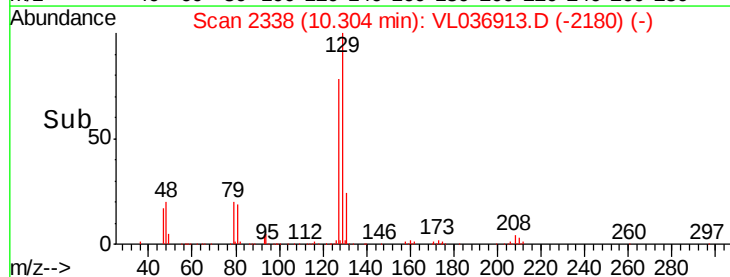
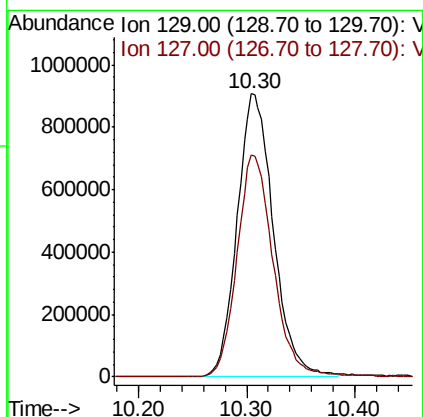
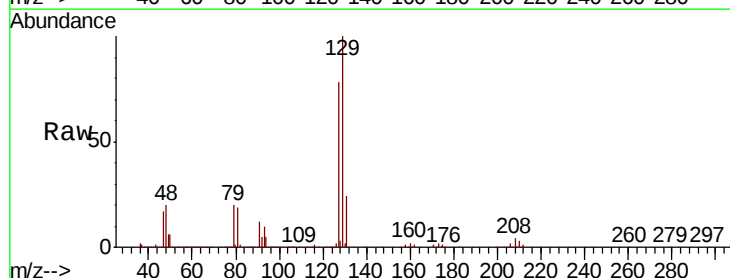
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.9	107.9
85	55.9	46.5	69.7
99	59.9	49.8	74.8

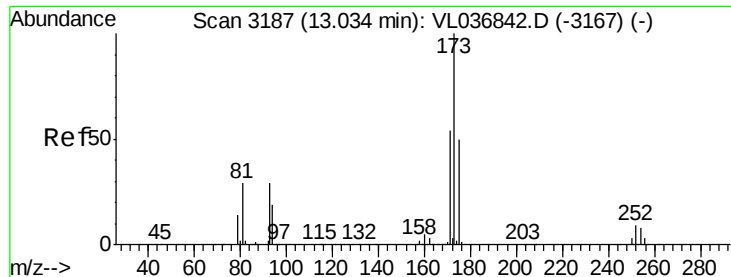


#48
 Dibromochloromethane
 Concen: 11.268 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion: 129 Resp: 2119385

Ion	Ratio	Lower	Upper
129	100		
127	78.7	40.2	120.5





#49

Bromoform

Concen: 11.604 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

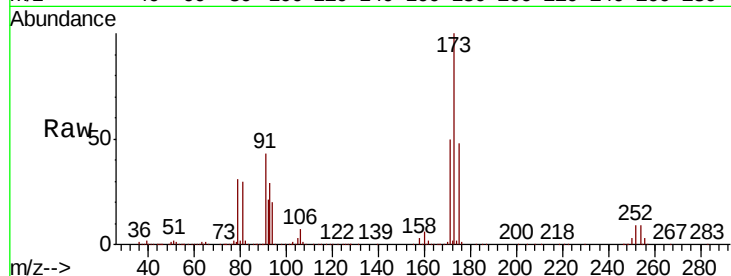
Tot Ion:173 Resp: 1742525

Ion Ratio Lower Upper

173 100

175 50.8 39.6 59.4

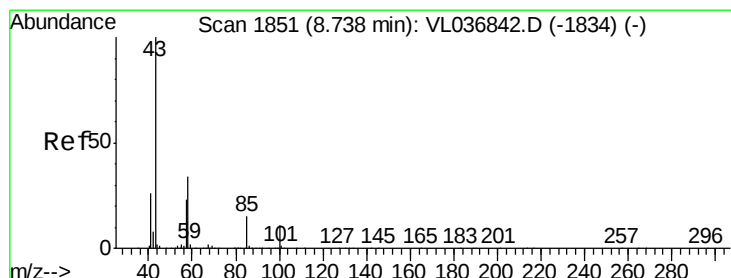
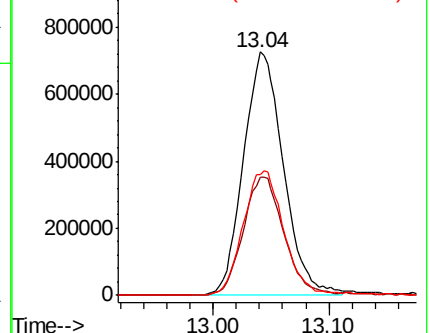
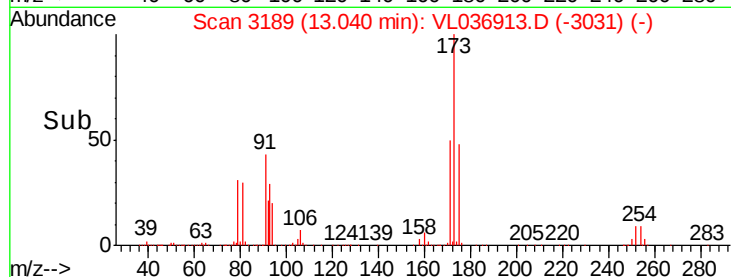
171 52.9 42.2 63.4



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: 10.092 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL036913.D

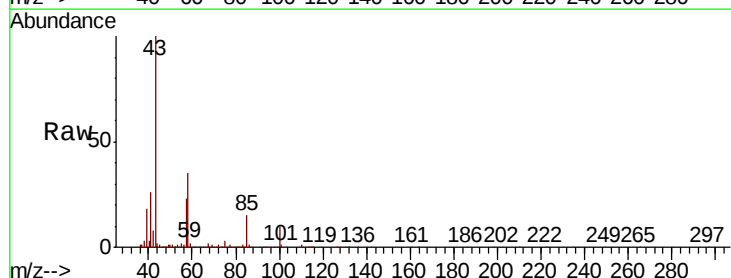
Acq: 7 May 2021 10:20

Tgt Ion: 43 Resp: 2194898

Ion Ratio Lower Upper

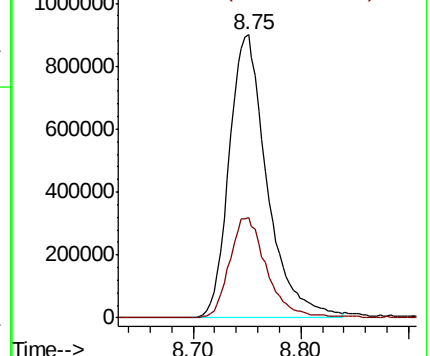
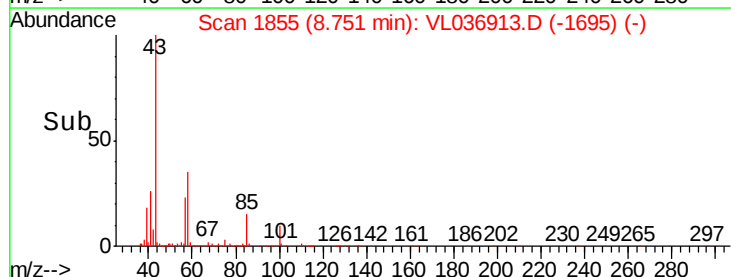
43 100

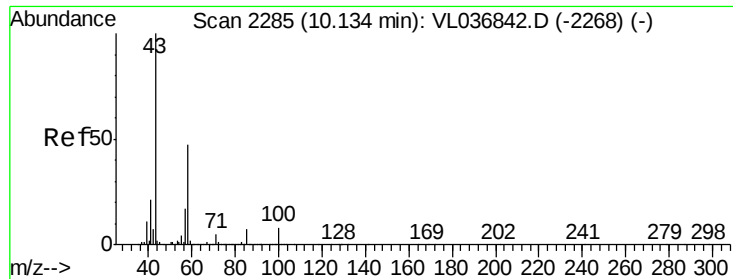
58 35.4 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

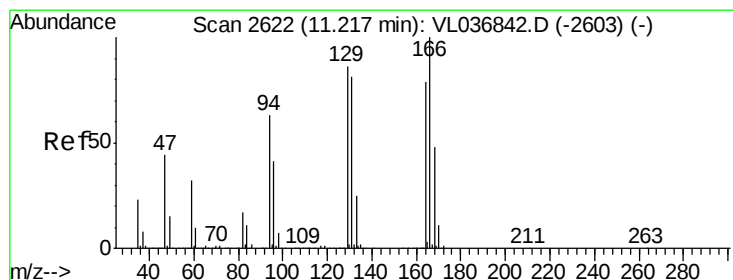
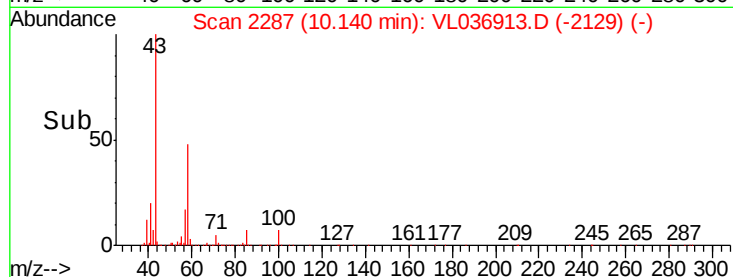
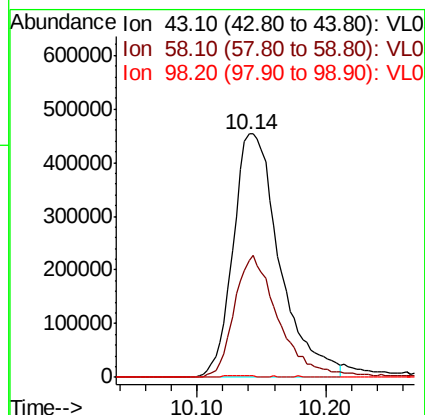
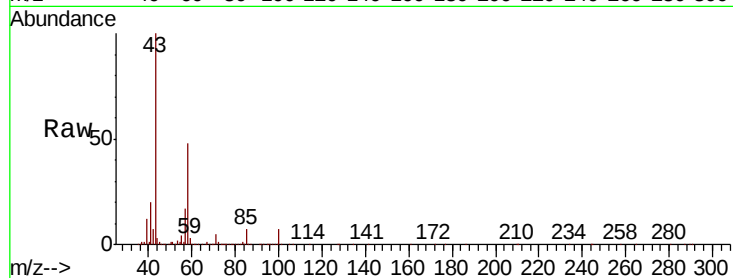




#51
2-Hexanone
Concen: 10.399 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

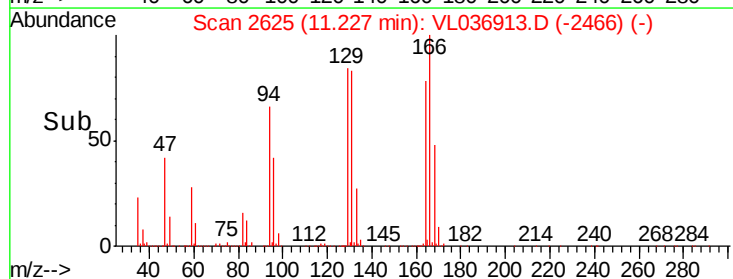
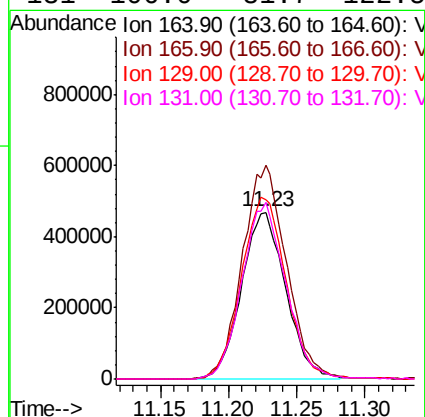
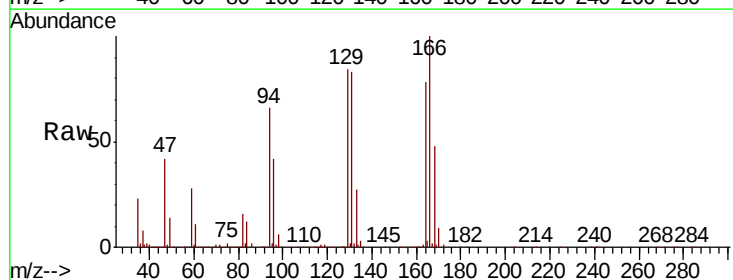
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

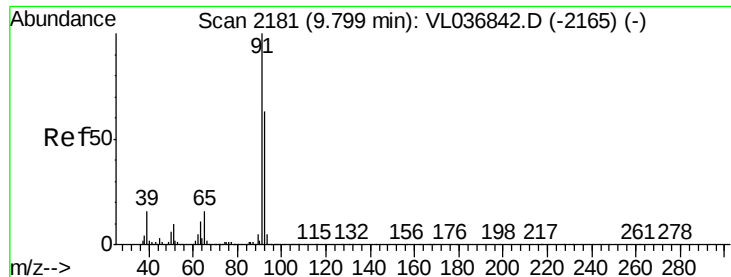
Tot Ion: 43 Resp: 1128054
Ion Ratio Lower Upper
43 100
58 48.7 37.0 55.6
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.104 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 164 Resp: 1052936
Ion Ratio Lower Upper
164 100
166 128.1 100.9 151.3
129 107.9 87.0 130.4
131 106.0 81.7 122.5





#53

Toluene

Concen: 10.796 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

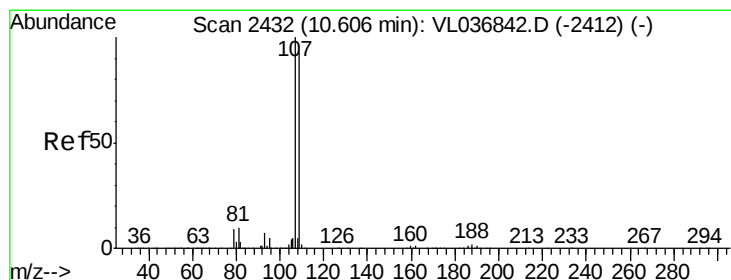
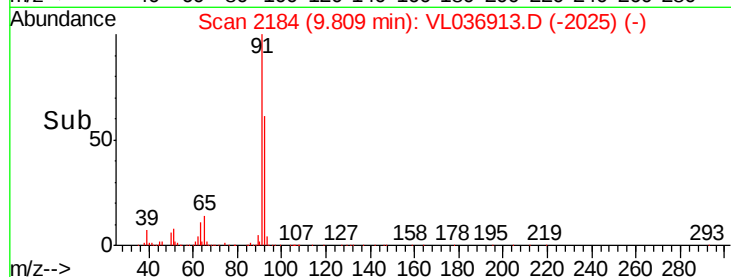
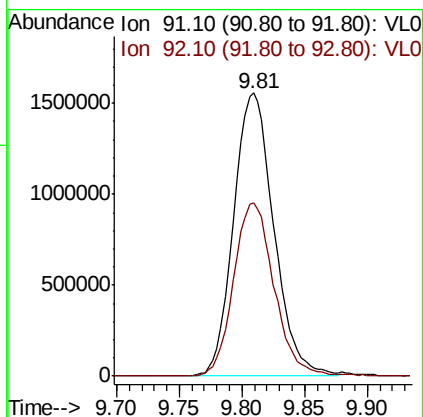
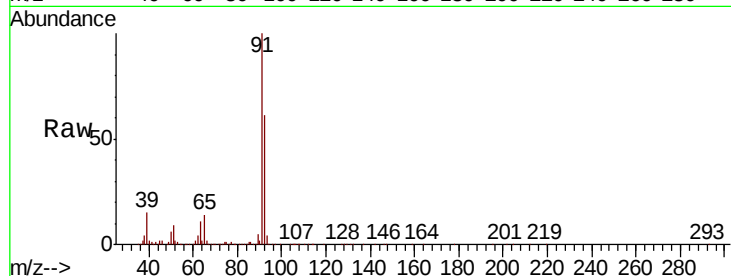
VSTDCCC010

Tot Ion: 91 Resp: 3457260

Ion Ratio Lower Upper

91 100

92 62.0 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.066 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL036913.D

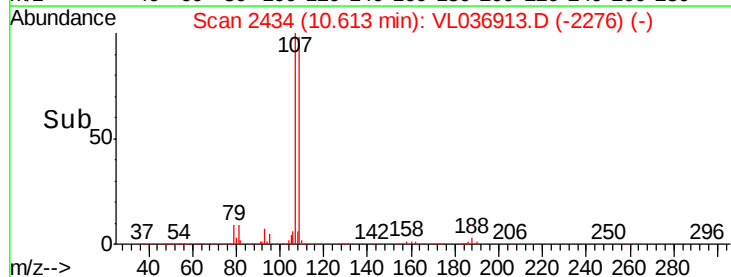
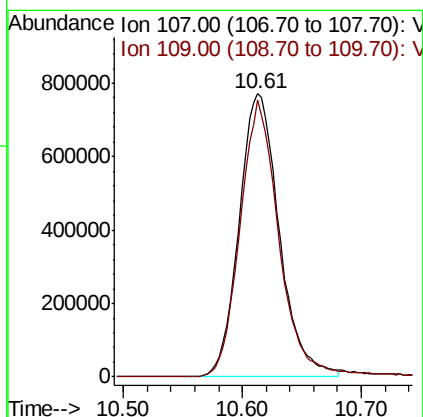
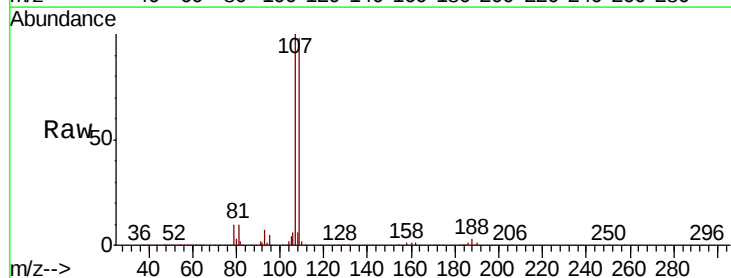
Acq: 7 May 2021 10:20

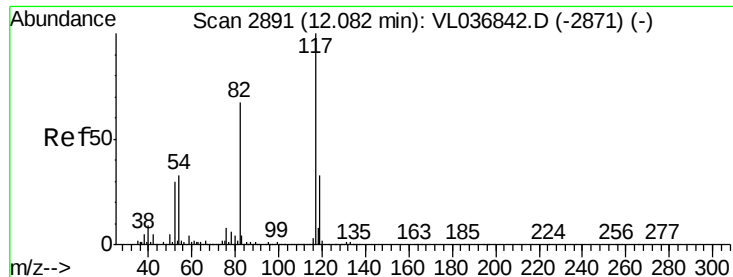
Tgt Ion: 107 Resp: 1804054

Ion Ratio Lower Upper

107 100

109 98.0 74.7 112.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

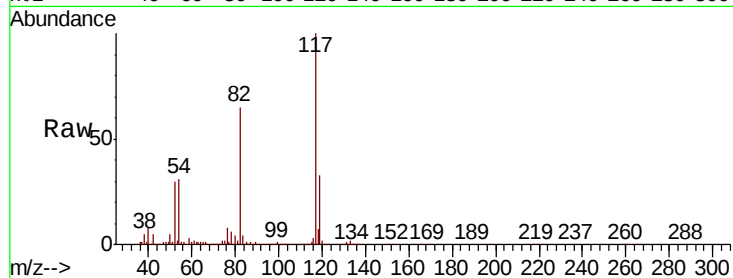
Tot Ion:117 Resp: 4193654

Ion Ratio Lower Upper

117 100

82 54.5 53.5 80.3

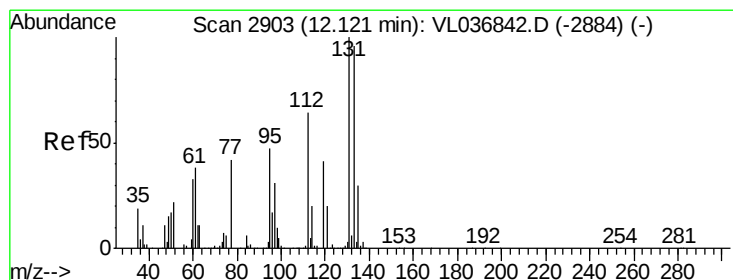
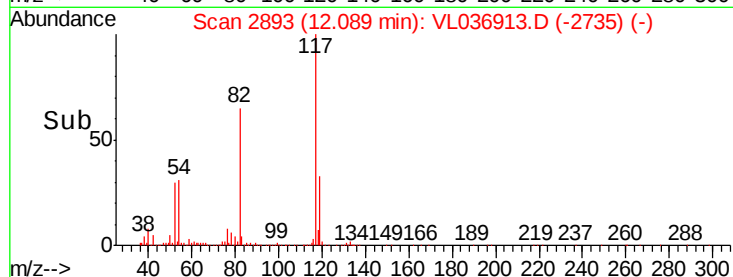
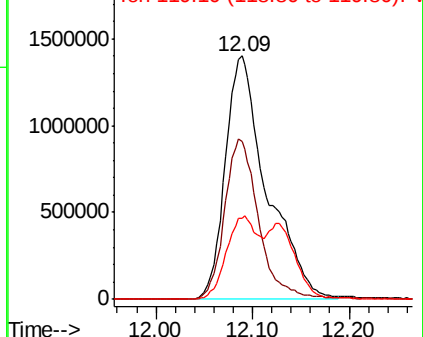
119 25.0 25.6 38.4#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.307 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

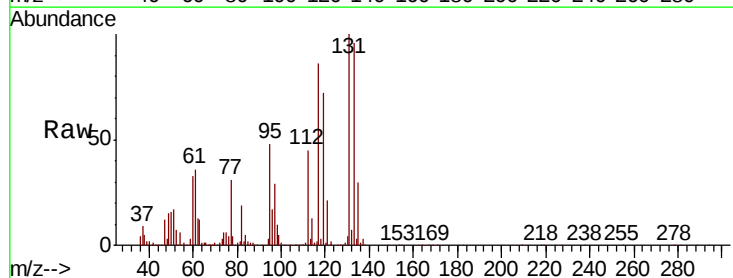
Tgt Ion:131 Resp: 1460461

Ion Ratio Lower Upper

131 100

133 96.5 76.3 114.5

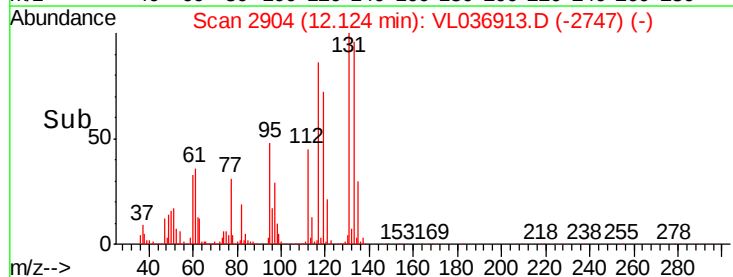
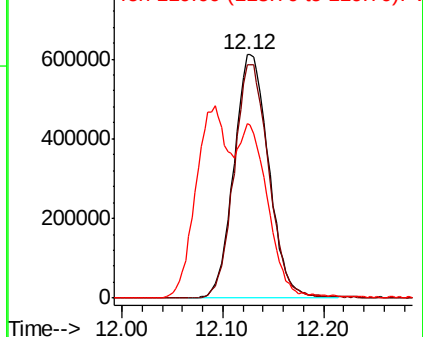
119 65.8 114.9 172.3#

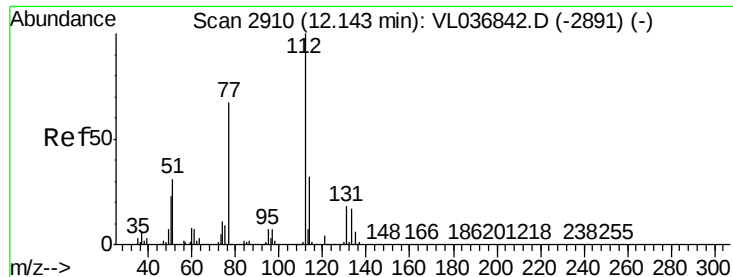


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.961 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

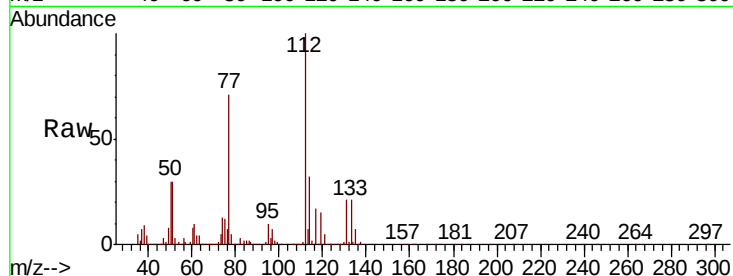
Tot Ion:112 Resp: 2600362

Ion Ratio Lower Upper

112 100

77 70.3 54.2 81.4

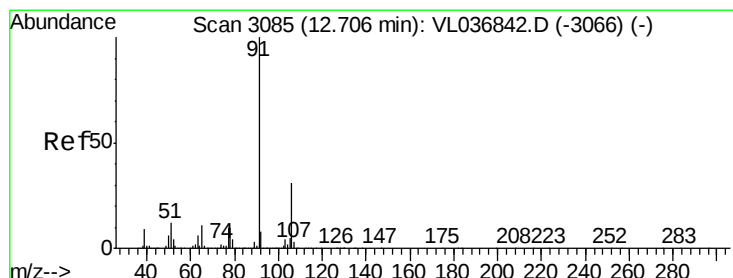
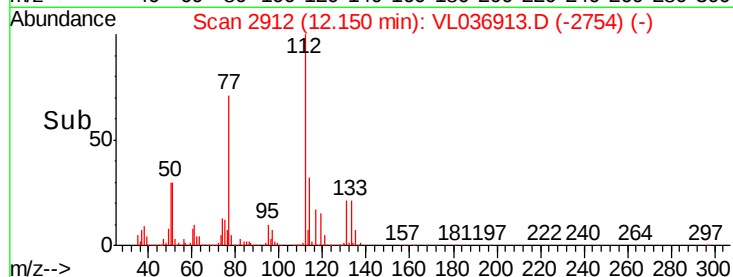
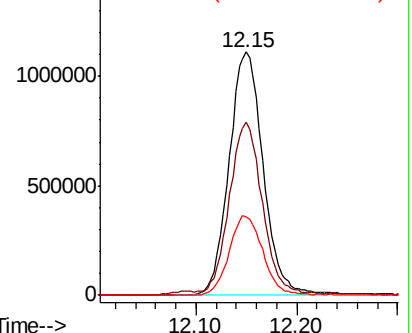
114 32.3 28.5 34.9



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: 8.713 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.01 min

Lab File: VL036913.D

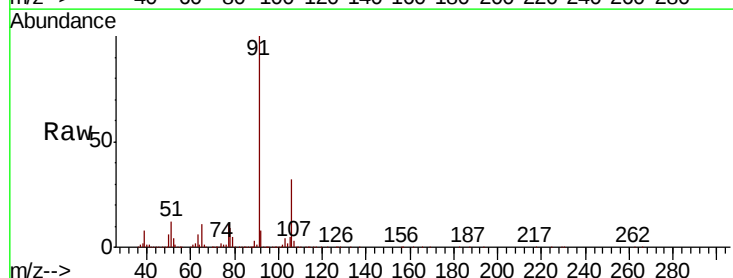
Acq: 7 May 2021 10:20

Tgt Ion: 91 Resp: 4634770

Ion Ratio Lower Upper

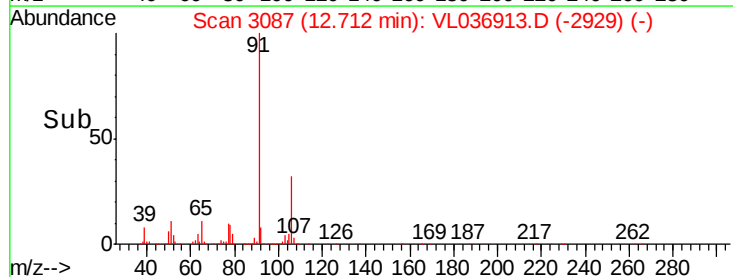
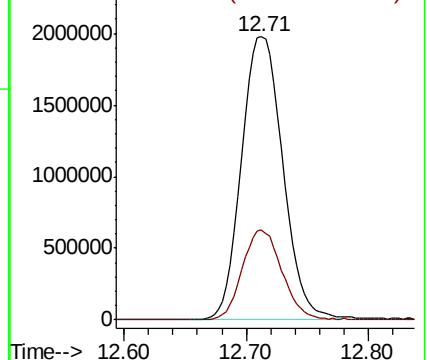
91 100

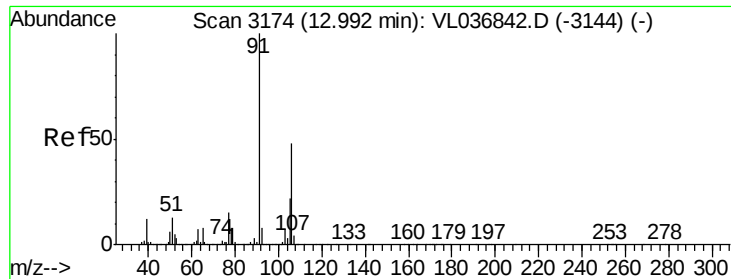
106 31.8 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

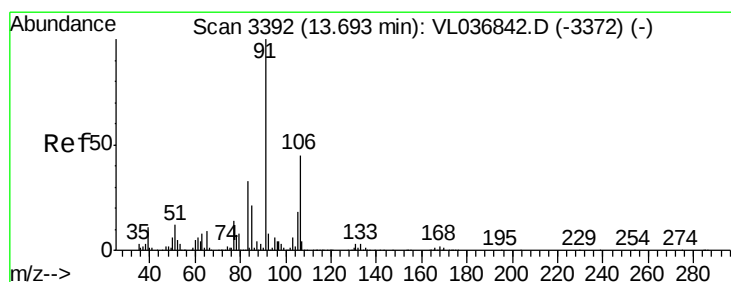
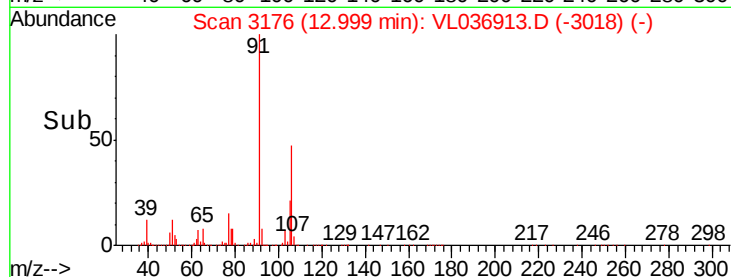
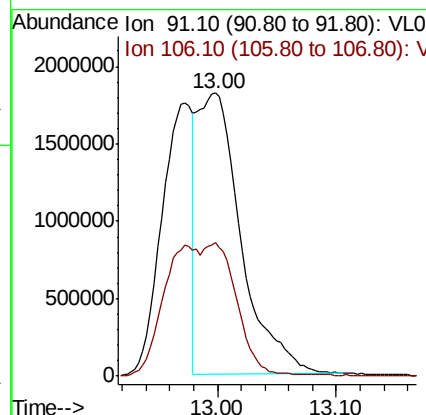
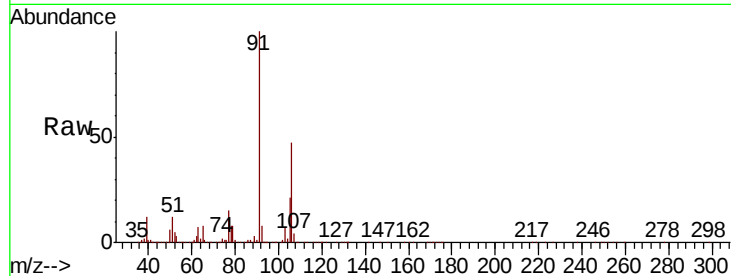




#59
m/p-Xylene
Concen: 9.761 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

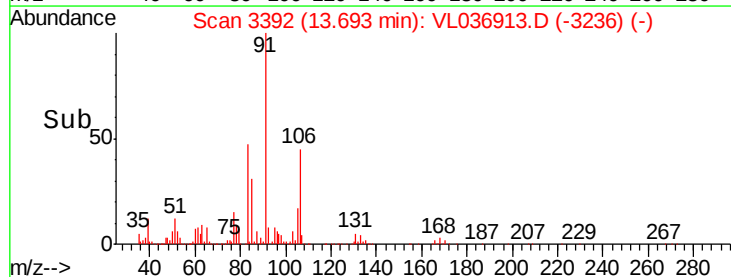
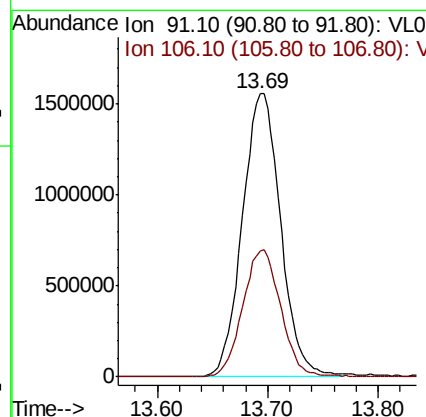
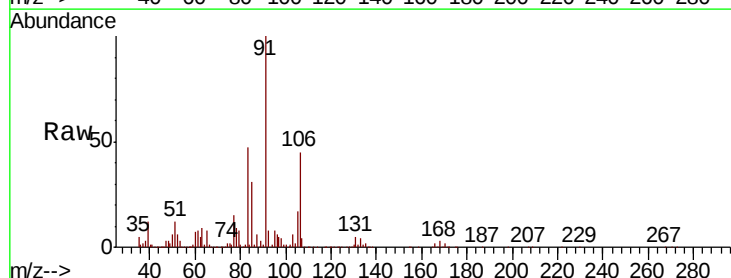
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

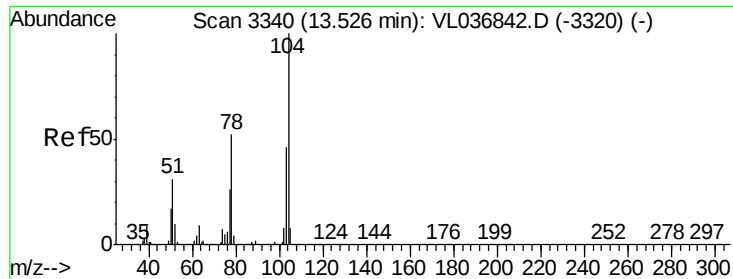
Tot Ion: 91 Resp: 4640268
Ion Ratio Lower Upper
91 100
106 75.2 35.8 53.6#



#60
o-Xylene
Concen: 8.120 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion: 91 Resp: 3732521
Ion Ratio Lower Upper
91 100
106 44.9 22.6 67.7

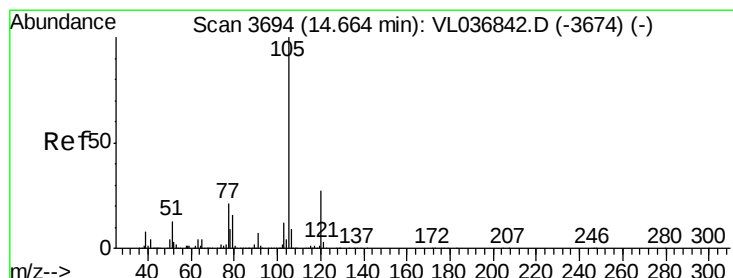
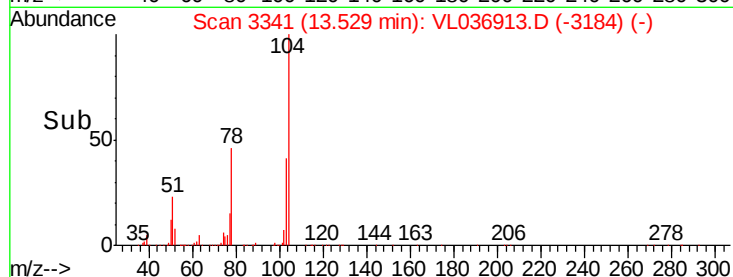
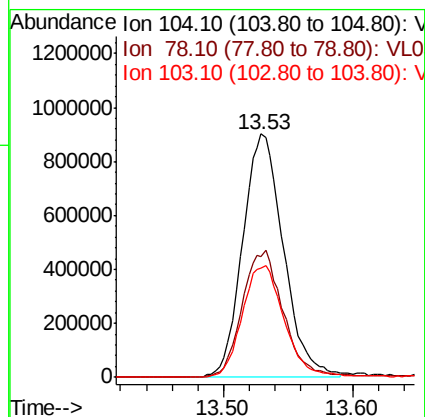
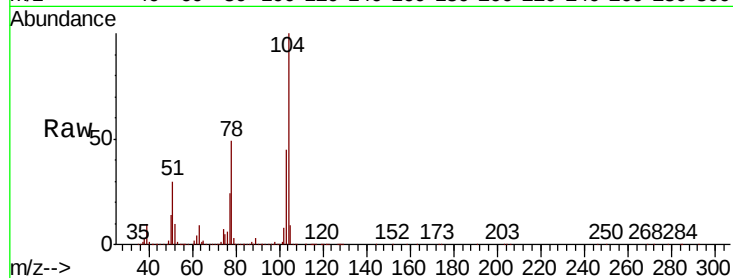




#61
Stvrene
Concen: 9.201 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.00 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

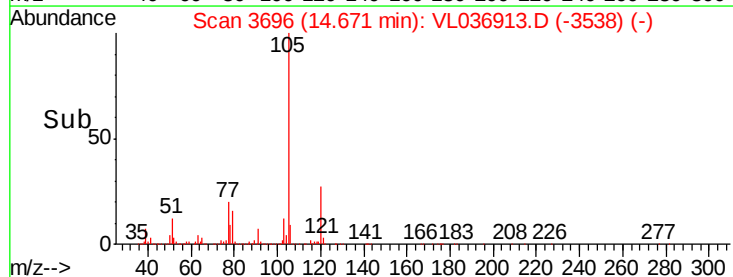
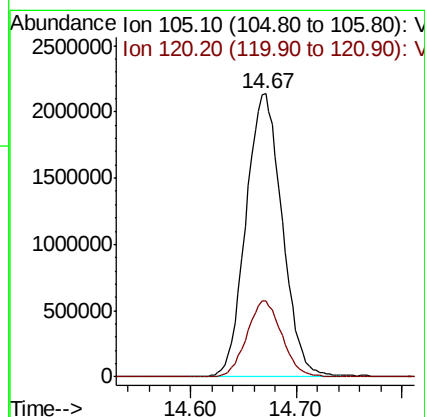
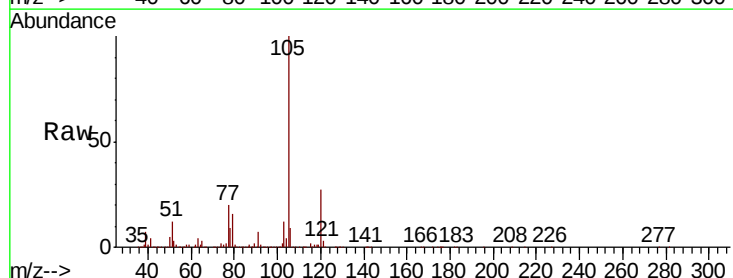
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

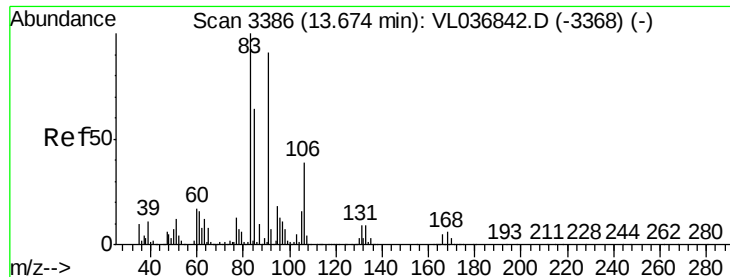
Tot Ion:104 Resp: 1986246
Ion Ratio Lower Upper
104 100
78 53.0 42.6 64.0
103 47.8 38.1 57.1



#62
Isopropylbenzene
Concen: 8.187 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.01 min
Lab File: VL036913.D
Acq: 7 May 2021 10:20

Tgt Ion:105 Resp: 5119896
Ion Ratio Lower Upper
105 100
120 26.2 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 7.620 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

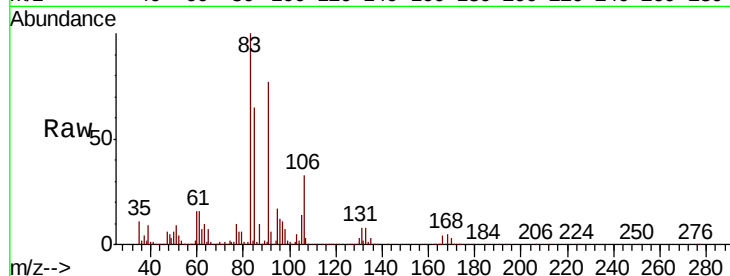
Tot Ion: 83 Resp: 2807974

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

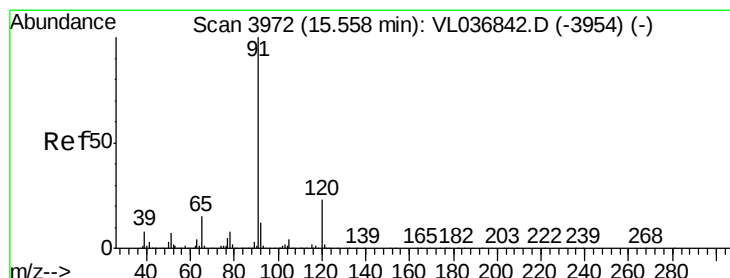
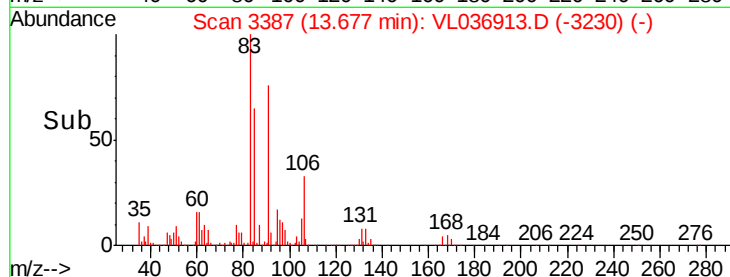
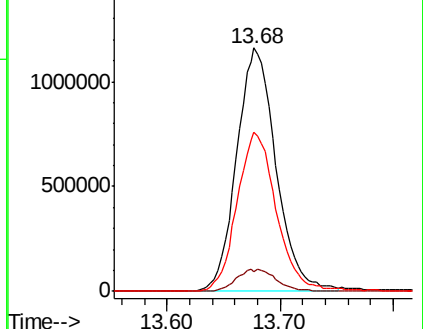
85 66.2 32.8 98.4



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: 8.596 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VL036913.D

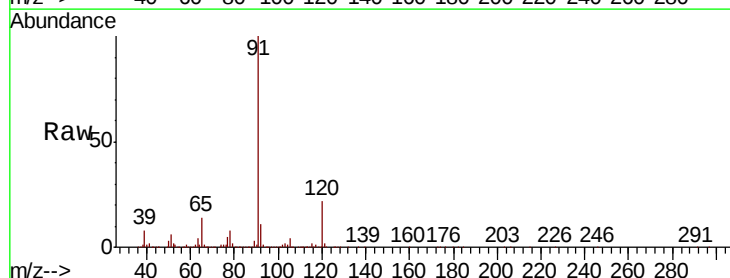
Acq: 7 May 2021 10:20

Tgt Ion:120 Resp: 1339825

Ion Ratio Lower Upper

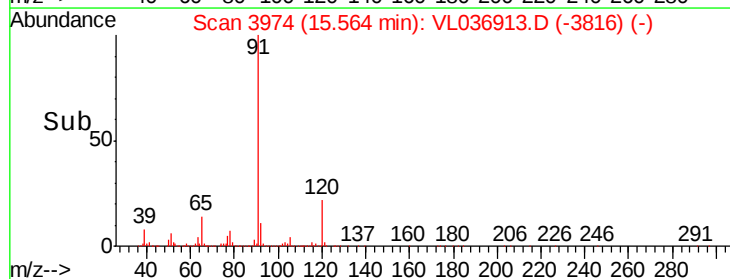
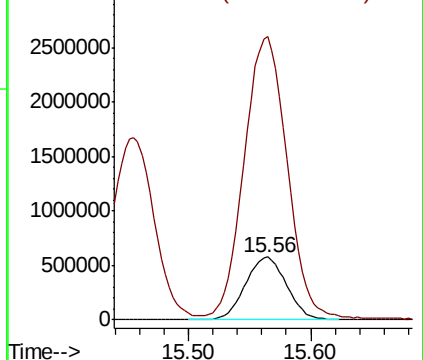
120 100

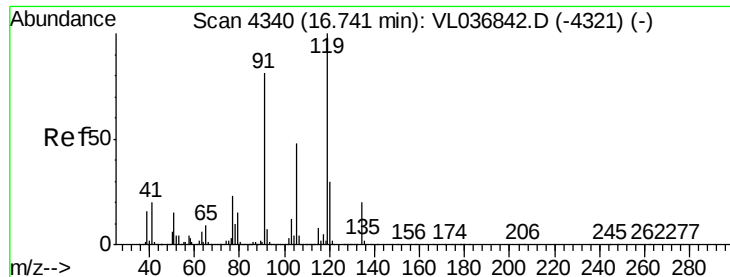
91 477.4 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.050 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

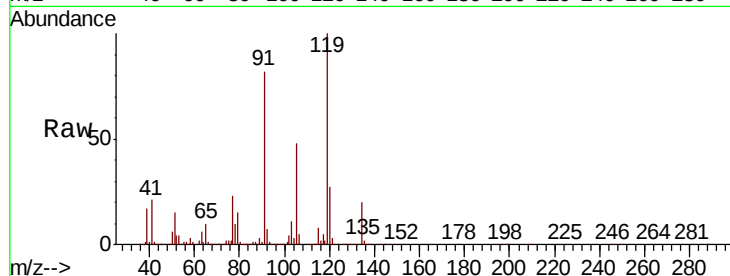
Tot Ion:119 Resp: 4451504

Ion Ratio Lower Upper

119 100

91 85.1 67.0 100.6

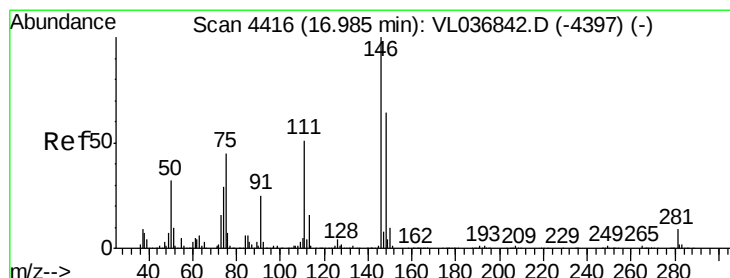
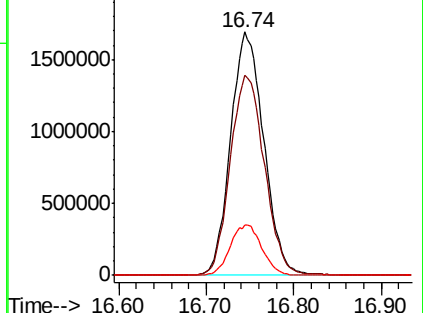
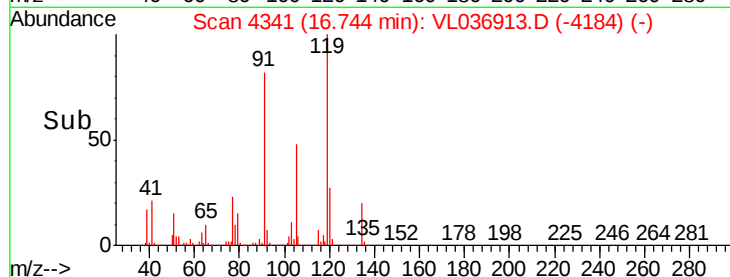
134 19.8 15.8 23.6



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: 3.643 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

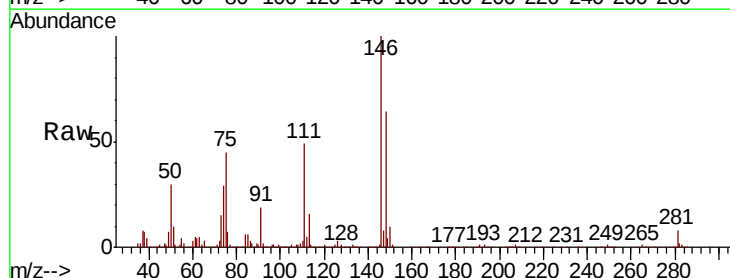
Tgt Ion: 91 Resp: 196942

Ion Ratio Lower Upper

91 100

126 29.6 14.1 21.1#

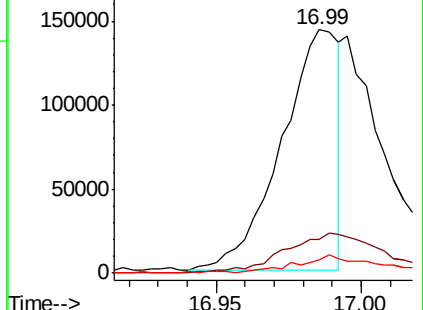
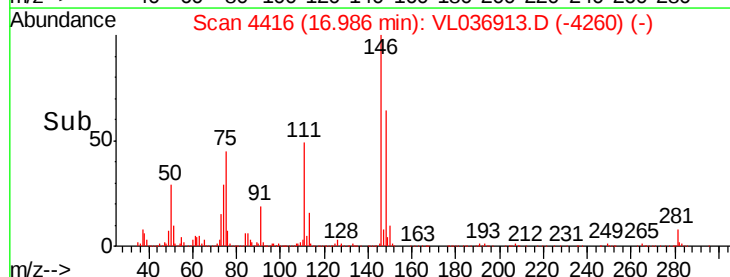
128 12.0 4.8 7.2#

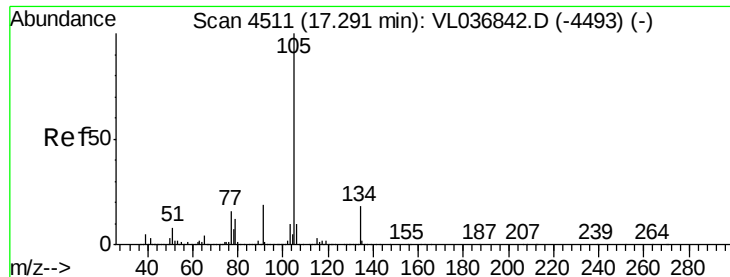


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.193 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

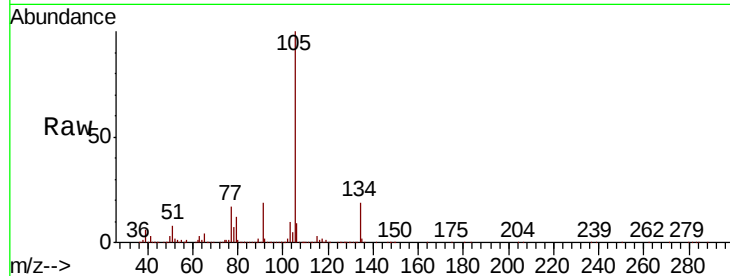
VSTDCCC010

Tot Ion:105 Resp: 6290868

Ion Ratio Lower Upper

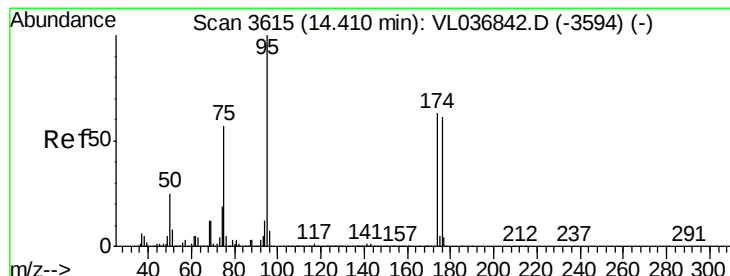
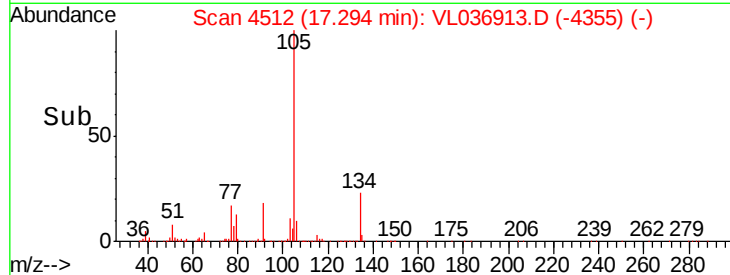
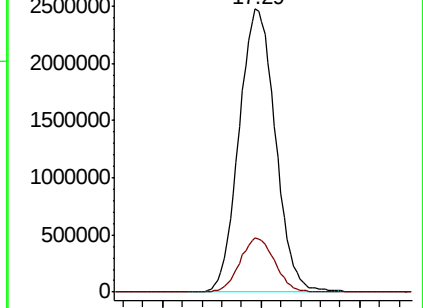
105 100

134 18.4 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: 8.123 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

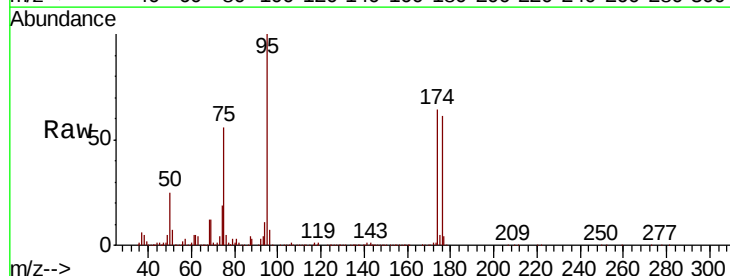
Tgt Ion: 95 Resp: 2734532

Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

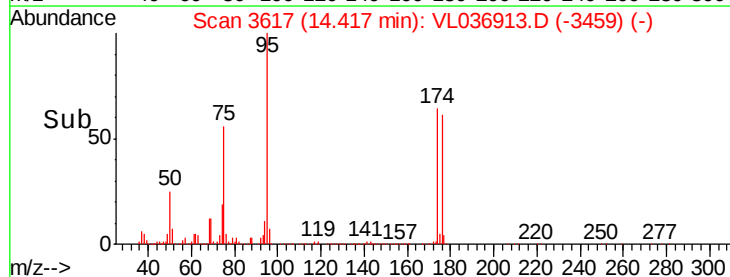
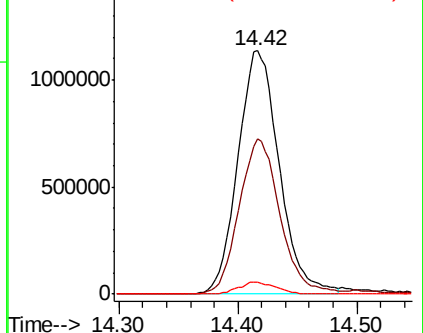
175 4.8 4.0 6.0

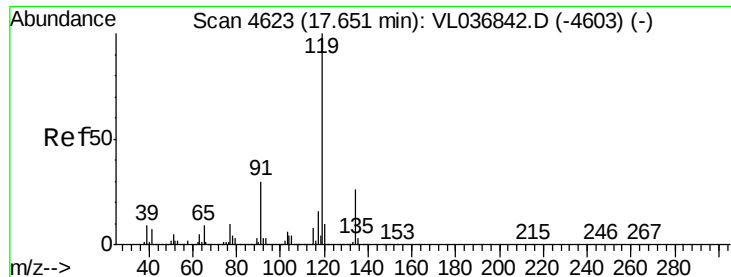


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

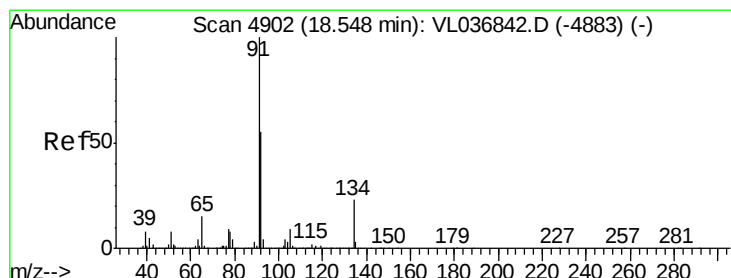
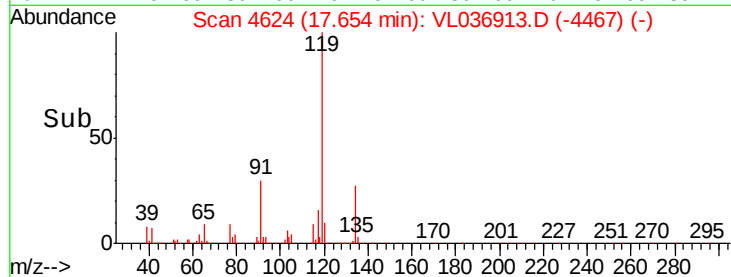
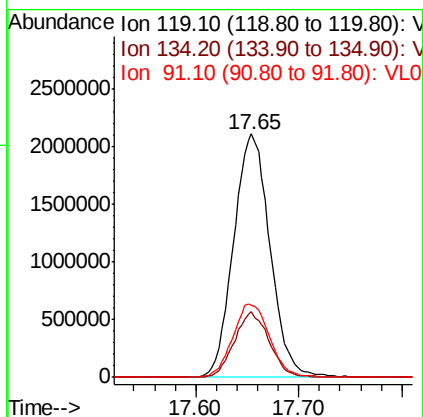
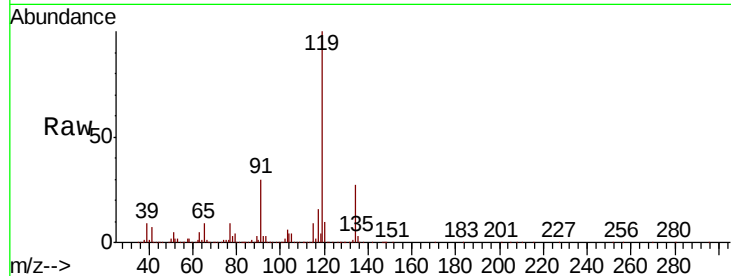




#69
 p-Isopropyltoluene
 Concen: 8.378 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

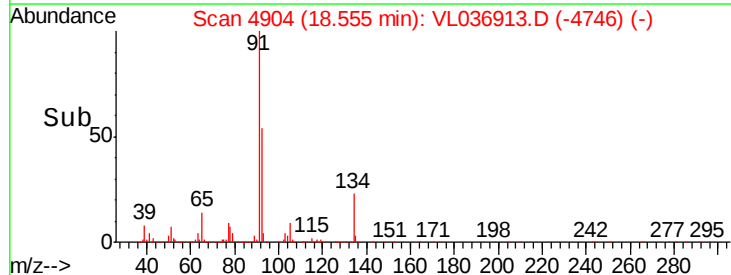
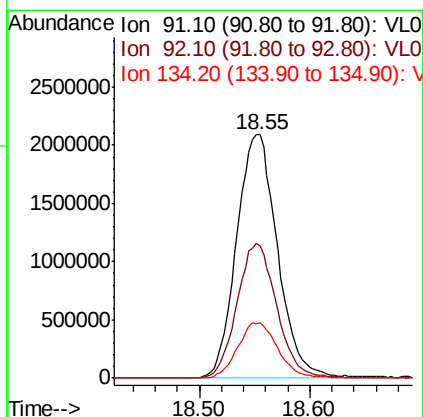
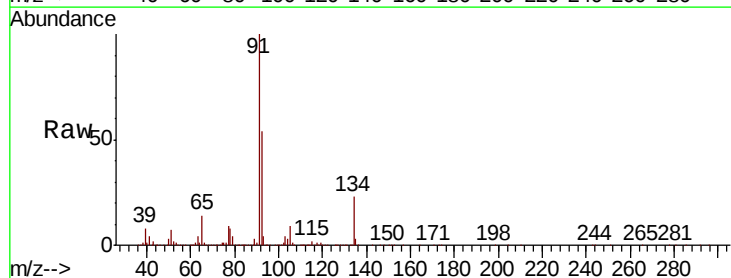
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

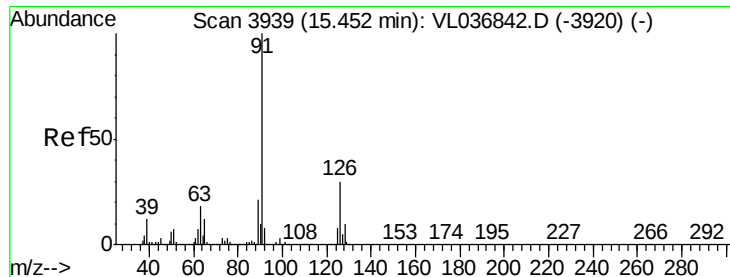
Tot Ion:119 Resp: 5157560
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.6 31.0
 91 30.8 24.2 36.4



#70
 n-Butylbenzene
 Concen: 8.619 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.01 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion: 91 Resp: 5347580
 Ion Ratio Lower Upper
 91 100
 92 54.2 43.5 65.3
 134 22.5 18.2 27.4

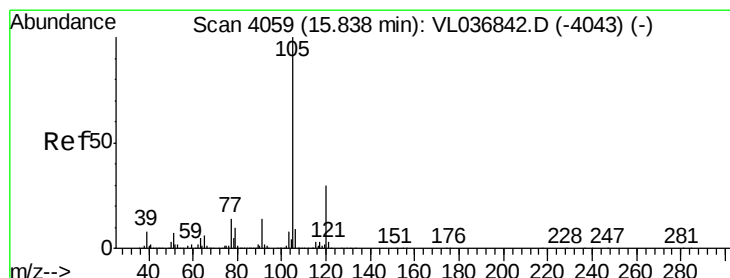
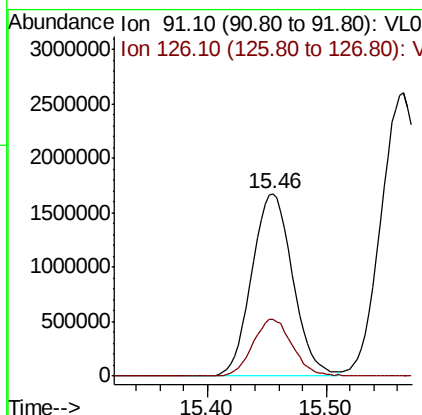
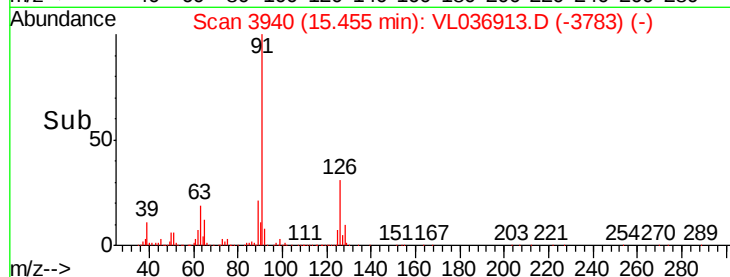
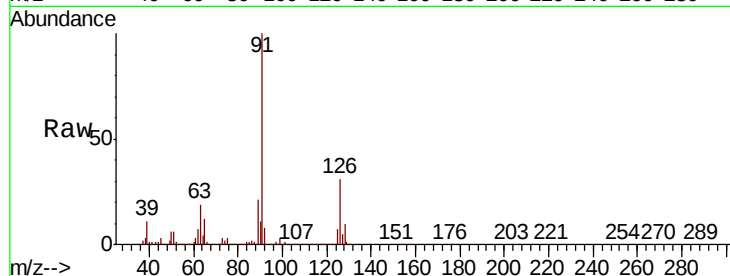




#71
 2-Chlorotoluene
 Concen: 8.630 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

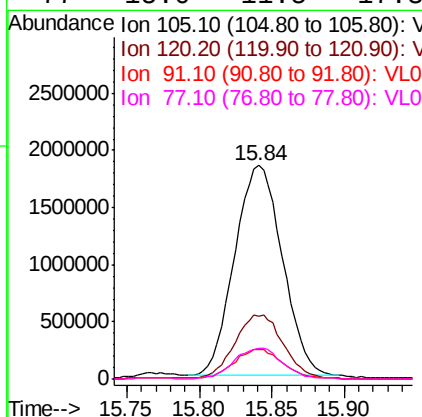
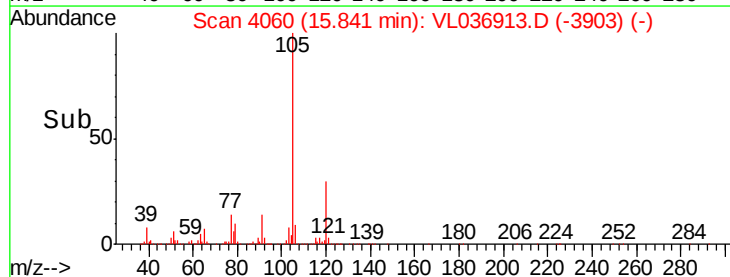
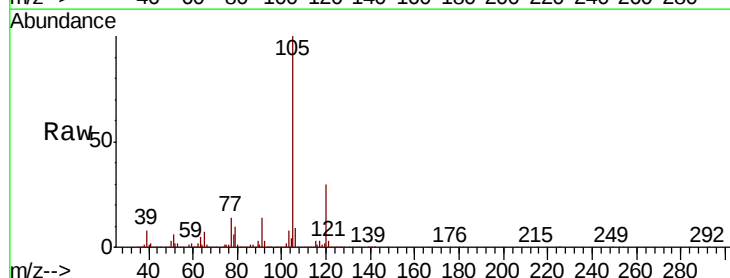
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

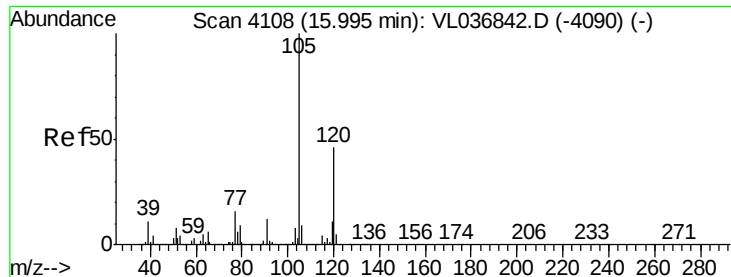
Tot Ion: 91 Resp: 3997178
 Ion Ratio Lower Upper
 91 100
 126 30.6 12.3 49.3



#72
 4-Ethyltoluene
 Concen: 8.568 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Tgt Ion: 105 Resp: 4227284
 Ion Ratio Lower Upper
 105 100
 120 31.1 23.8 35.6
 91 14.1 10.7 16.1
 77 15.0 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 8.128 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

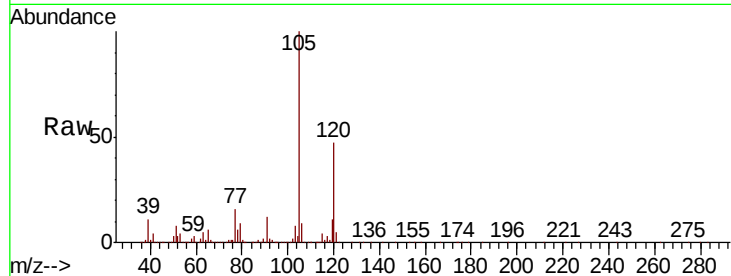
VSTDCCC010

Tot Ion:105 Resp: 3889030

Ion Ratio Lower Upper

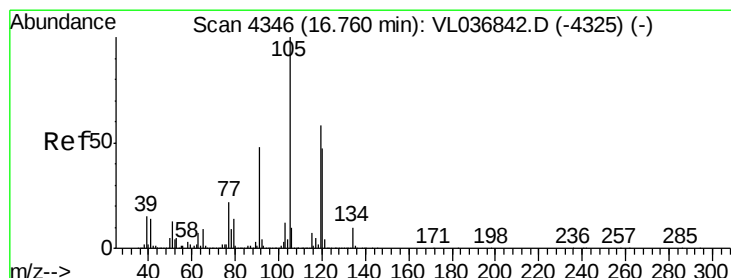
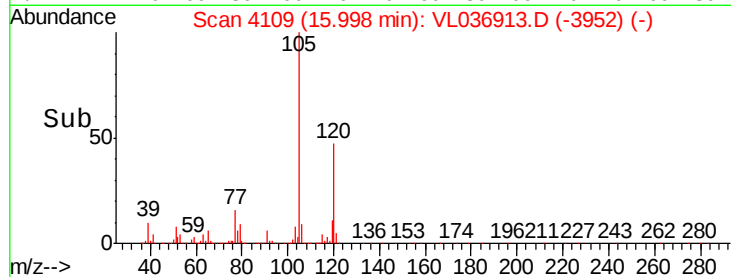
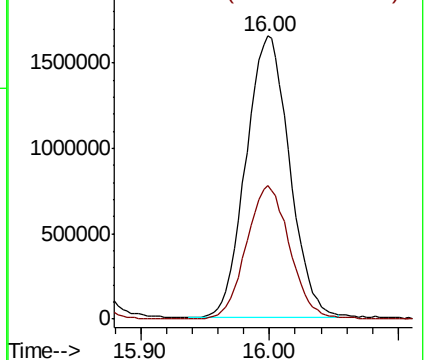
105 100

120 47.1 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: 8.051 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Tgt Ion:105 Resp: 4092140

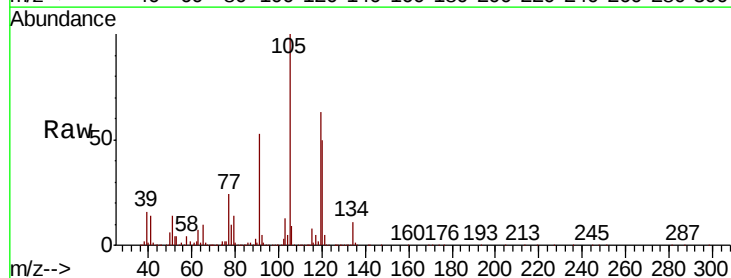
Ion Ratio Lower Upper

105 100

120 49.5 37.6 56.4

91 52.4 39.0 58.4

77 24.3 17.4 26.0

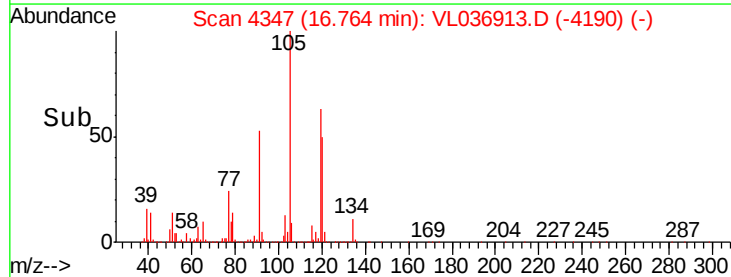
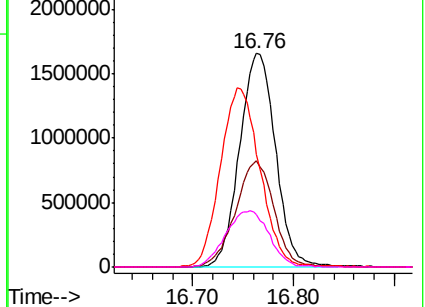


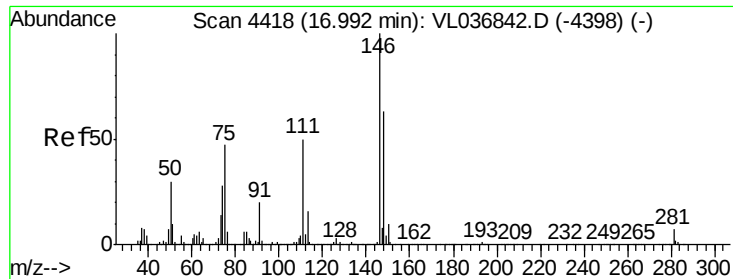
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.072 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

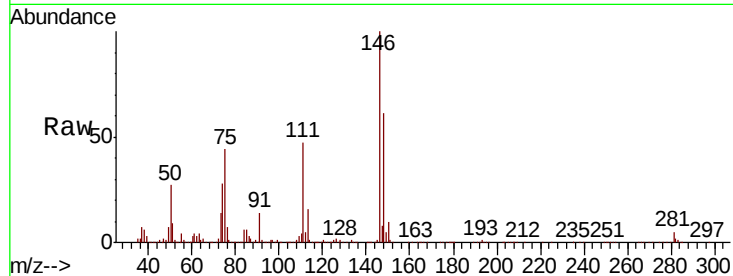
Tot Ion:146 Resp: 2425199

Ion Ratio Lower Upper

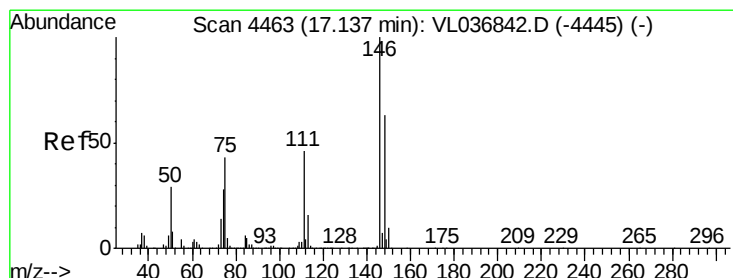
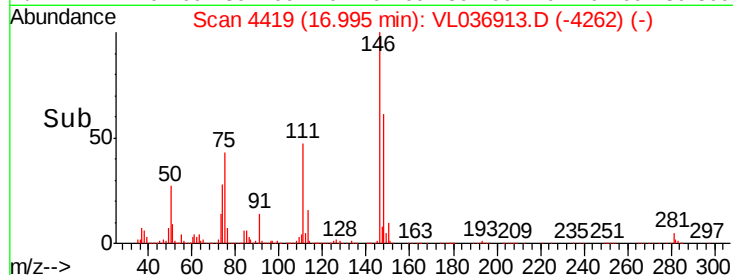
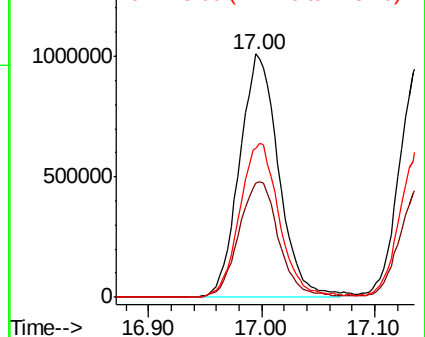
146 100

111 48.7 24.2 72.6

148 64.4 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: 7.839 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

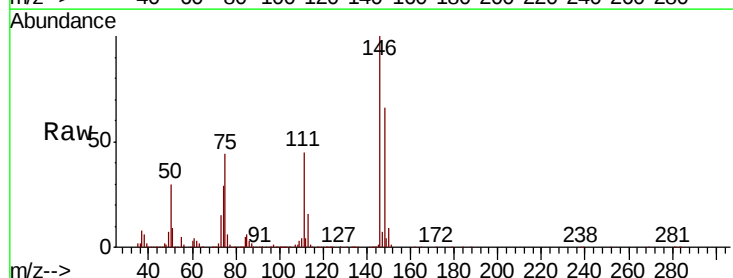
Tgt Ion:146 Resp: 2304997

Ion Ratio Lower Upper

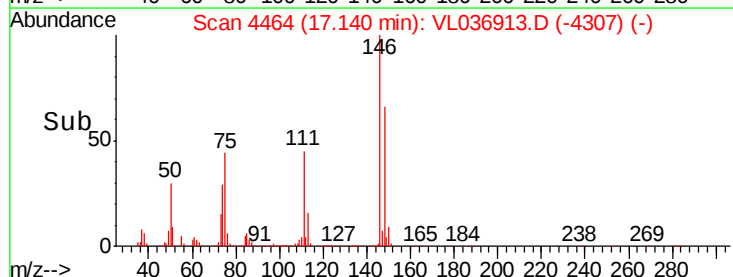
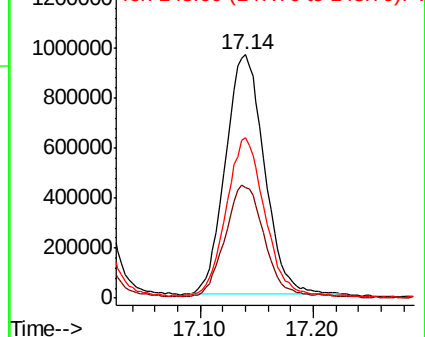
146 100

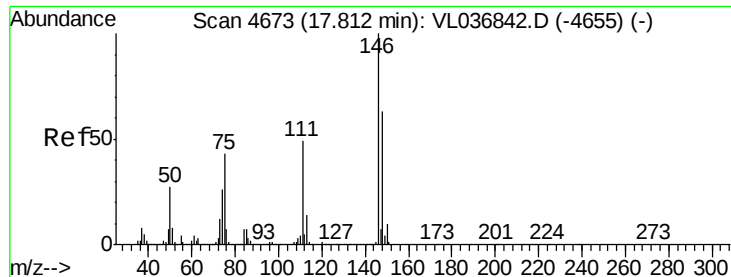
111 48.5 24.3 72.8

148 67.7 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: 8.018 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.01 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

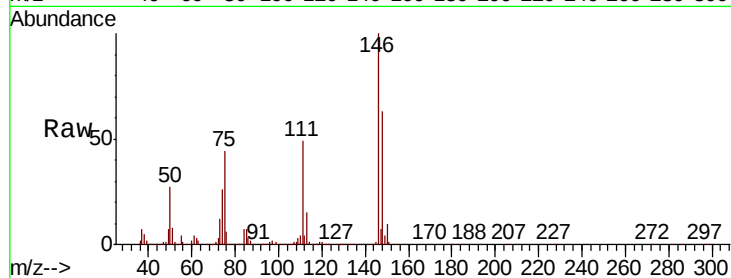
Tot Ion:146 Resp: 2352993

Ion Ratio Lower Upper

146 100

111 49.9 25.0 75.0

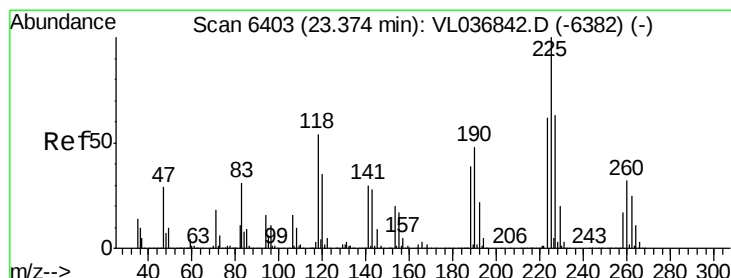
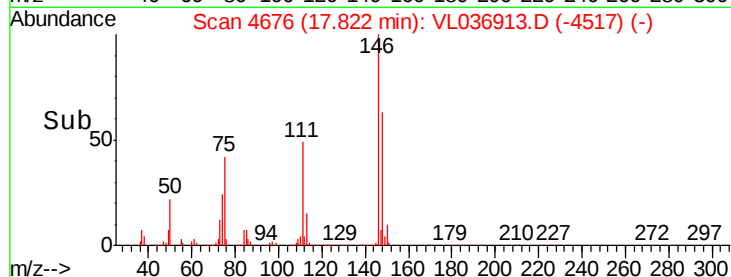
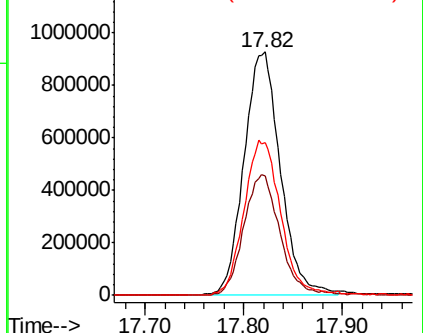
148 65.1 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.272 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

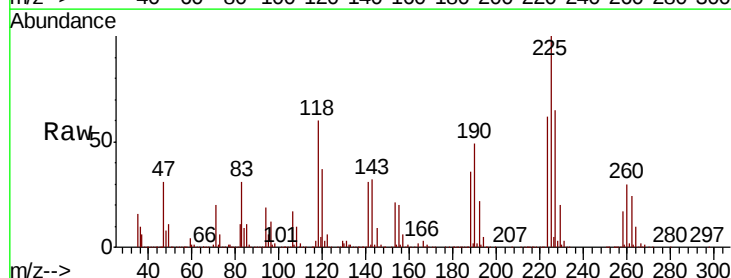
Tgt Ion:225 Resp: 1813212

Ion Ratio Lower Upper

225 100

223 64.1 51.2 76.8

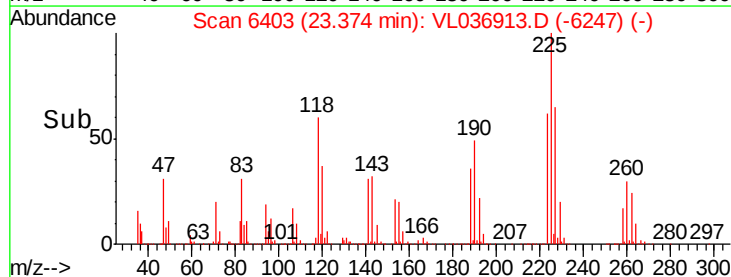
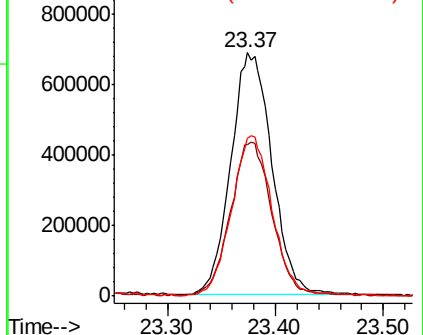
227 65.6 51.8 77.6

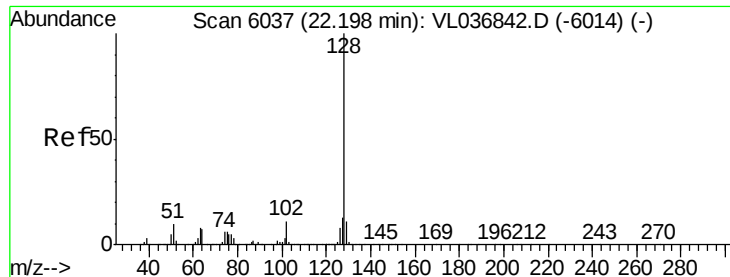


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.606 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

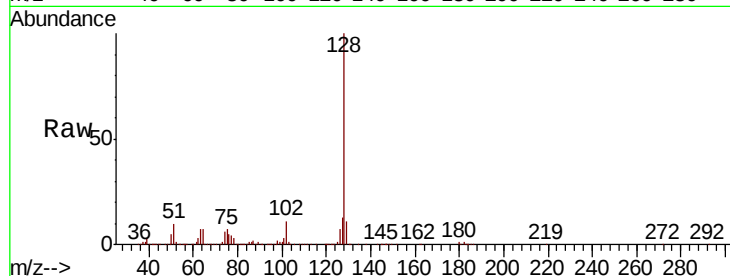
Tot Ion:128 Resp: 2734484

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

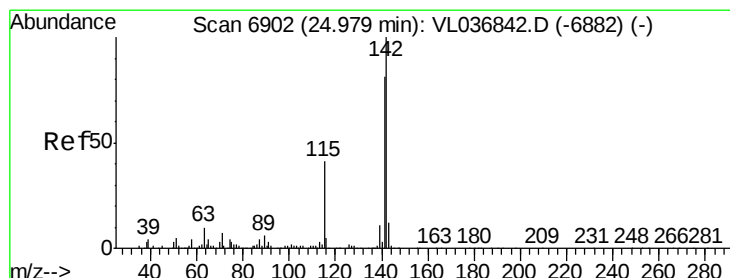
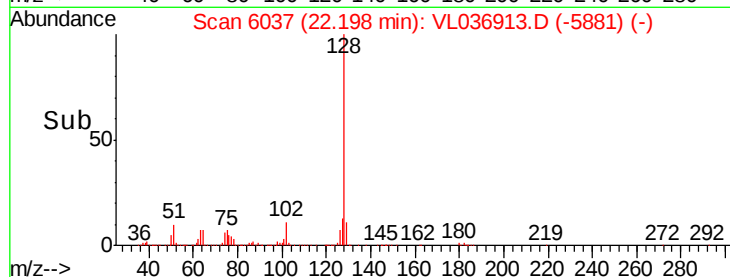
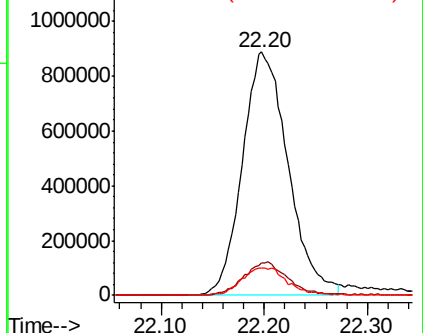
129 11.0 9.0 13.4



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: 11.788 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.00 min

Lab File: VL036913.D

Acq: 7 May 2021 10:20

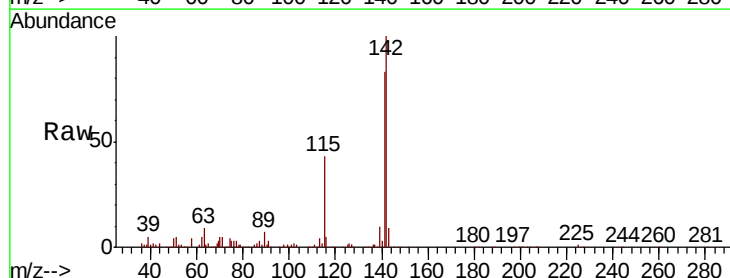
Tgt Ion:142 Resp: 370024

Ion Ratio Lower Upper

142 100

141 89.7 62.6 93.8

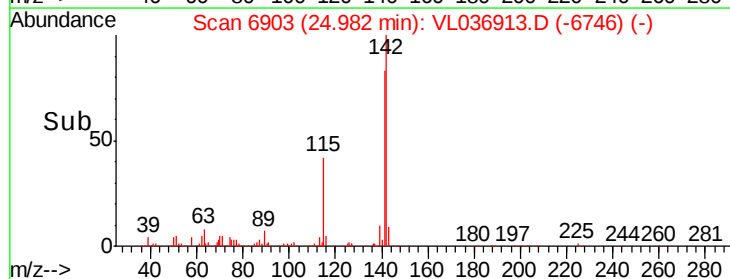
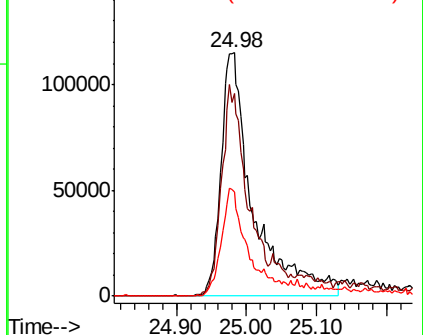
115 39.5 32.0 48.0

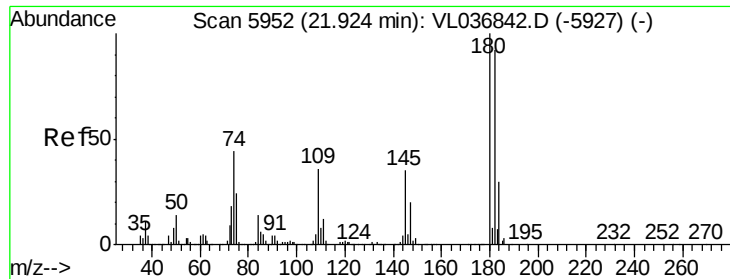


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

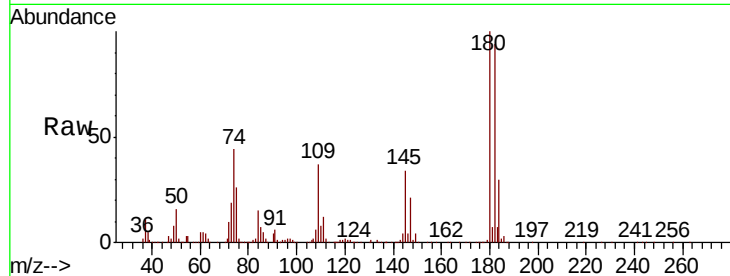




#81
 1,2,4-Trichlorobenzene
 Concen: 9.150 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. 0.00 min
 Lab File: VL036913.D
 Acq: 7 May 2021 10:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 1684717
 Ion Ratio Lower Upper
 180 100
 182 98.8 80.9 121.3
 184 31.2 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

