

Data File : VL036320.D

Acq On : 10 Feb 2021 15:19

Operator : SY/AP

Sample : VSTDIC015

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Feb 10 15:51:43 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 13:51:24 2021

QLast Update : Wed Feb 10 13:51:24 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1491005	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3499542	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3260602	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2781443	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	2551436	12.766	ppbv	99
3) Chlorodifluoromethane	2.97	51	2382159	13.009	ppbv	100
4) Chloromethane	3.12	50	1179528	13.033	ppbv	96
5) Vinyl Chloride	3.24	62	1188127	13.873	ppbv	94
6) Bromomethane	3.46	94	659851	13.782	ppbv	94
7) Chloroethane	3.54	64	406735	13.791	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2590006	13.376	ppbv	100
9) Propene	2.99	41	1099620	12.610	ppbv	99
10) Heptane	8.10	43	2778555	12.837	ppbv	99
11) Trichlorofluoromethane	3.93	101	2801948	13.790	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1766597	14.341	ppbv	100
13) Ethanol	3.59	45	158157	11.551	ppbv	92
14) Bromoethene	3.72	108	782571	13.951	ppbv	99
15) Acetone	3.84	43	2212312	12.115	ppbv	99
16) 1,3-Butadiene	3.31	39	1171254	13.166	ppbv	98
17) tert-Butyl alcohol	4.28	59	1603009	10.638	ppbv	99
18) 1,1-Dichloroethene	4.27	96	758291	13.277	ppbv	92
19) Isopropyl Alcohol	3.95	45	1086237	9.867	ppbv #	98
20) Methylene Chloride	4.33	84	694117	11.910	ppbv	99
21) Allyl Chloride	4.39	41	1401937	14.105	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	761957	14.440	ppbv	96
23) Vinyl Acetate	5.06	43	3057506	13.818	ppbv	98
24) 1,1-Dichloroethane	5.00	63	2084298	13.004	ppbv	100
25) Ethyl Acetate	5.66	43	4577312	12.485	ppbv	99
26) Hexane	5.67	57	1874072	12.278	ppbv	100
27) Carbon Disulfide	4.53	76	2053483	16.825	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	2591783	12.556	ppbv	100
29) Chloroform	5.74	83	3037864	13.900	ppbv	100
30) Cyclohexane	7.11	84	1597865	13.699	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1990661	13.645	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2962551	14.016	ppbv	99
34) 2-Butanone	5.23	43	2979616	11.562	ppbv	100
35) Carbon Tetrachloride	7.00	117	3051345	13.800	ppbv	99
36) Benzene	6.88	78	3943912	12.300	ppbv	100
37) 1,2-Dichloroethane	6.29	62	2442559	12.659	ppbv	100
38) Trichloroethene	7.82	130	1337671	11.263	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1613486	12.393	ppbv	96
40) 1,4-Dioxane	7.81	88	466161	9.898	ppbv #	1
41) Tetrahydrofuran	6.03	42	1829790	12.286	ppbv	99
42) Bromodichloromethane	7.78	83	3260062	13.443	ppbv	100
43) Methyl Methacrylate	8.00	69	1810357	13.285	ppbv	100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 10 13:51:24 2021
QLast Update : Wed Feb 10 13:51:24 2021
Response via : Initial Calibration

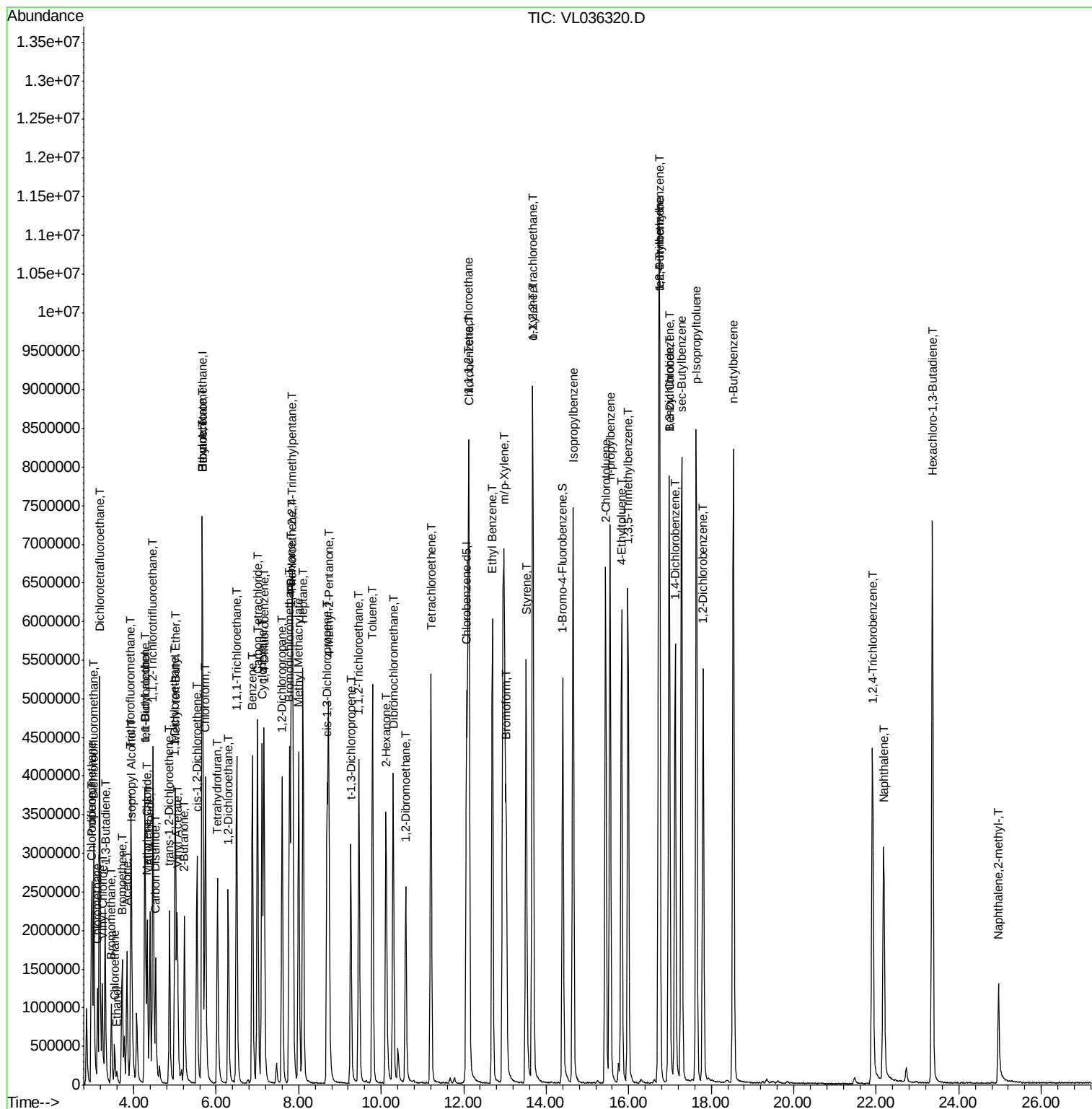
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6526813	11.082	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	2036411	15.734	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	2363864	14.212	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1590104	12.767	ppbv	98
48) Dibromochloromethane	10.29	129	2622796	14.393	ppbv	98
49) Bromoform	13.03	173	2232107	14.675	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	4615289	12.011	ppbv	100
51) 2-Hexanone	10.12	43	3911306	12.902	ppbv #	98
52) Tetrachloroethene	11.21	164	1282926	10.857	ppbv	98
53) Toluene	9.79	91	4382703	12.219	ppbv	98
54) 1,2-Dibromoethane	10.59	107	2385607	12.921	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1931636	13.275	ppbv	87
57) Chlorobenzene	12.13	112	3136775	12.262	ppbv	97
58) Ethyl Benzene	12.69	91	5960631	12.319	ppbv	98
59) m/p-Xylene	12.98	91	5342398	12.850	ppbv #	39
60) o-Xylene	13.68	91	4628477	11.549	ppbv	99
61) Styrene	13.52	104	3432472	13.564	ppbv	99
62) Isopropylbenzene	14.65	105	6918402	11.611	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3330405	11.161	ppbv	100
64) n-propylbenzene	15.55	120	1834060	12.528	ppbv	93
65) tert-Butylbenzene	16.73	119	5870434	11.627	ppbv	99
66) Benzyl Chloride	16.98	91	2350176	18.220	ppbv	99
67) sec-Butylbenzene	17.28	105	8351156	11.143	ppbv	98
69) p-Isopropyltoluene	17.64	119	6918008	11.639	ppbv	99
70) n-Butylbenzene	18.54	91	7268971	11.477	ppbv	98
71) 2-Chlorotoluene	15.44	91	5517366	11.781	ppbv	98
72) 4-Ethyltoluene	15.82	105	5586439	12.353	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	5192328	12.044	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	5137126	11.617	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2840700	11.977	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2884148	12.309	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	2804202	12.105	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2016304	10.882	ppbv	99
79) Naphthalene	22.18	128	4005812	15.497	ppbv #	96
80) Naphthalene,2-methyl-	24.97	142	977068	17.715	ppbv	94
81) 1,2,4-Trichlorobenzene	21.91	180	2115466	14.018	ppbv	100

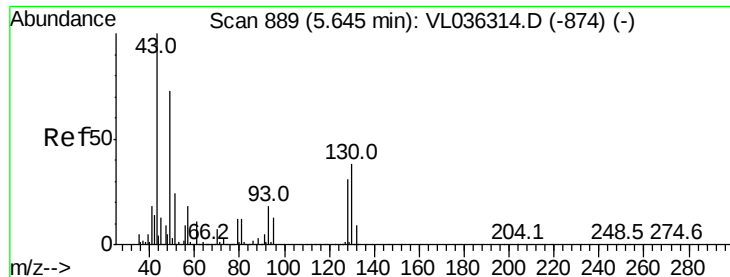
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.01 min

Lab File: VL036320.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

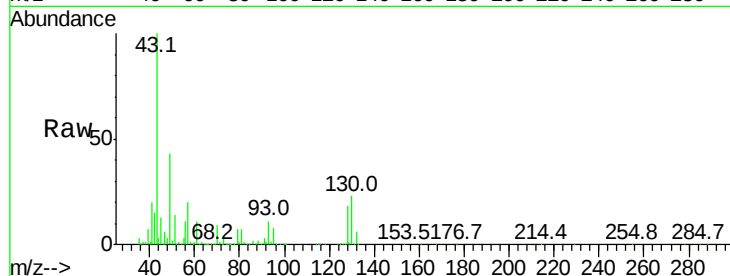
Tgt Ion: 49 Resp: 1491005

Ion Ratio Lower Upper

49 100

128 42.0 20.8 62.5

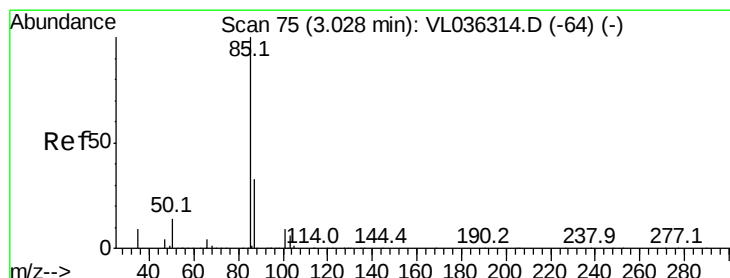
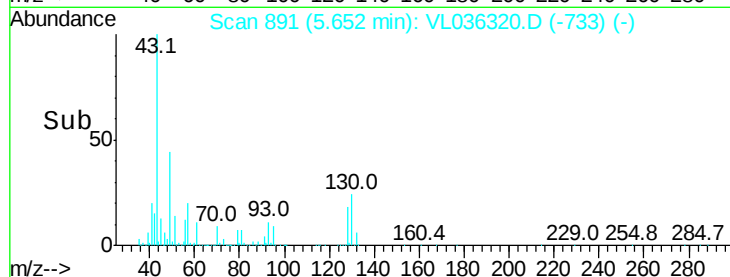
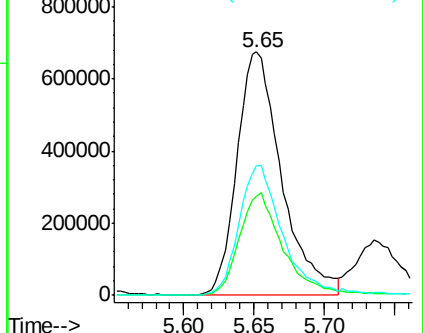
130 53.4 26.7 80.1



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: 12.766 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036320.D

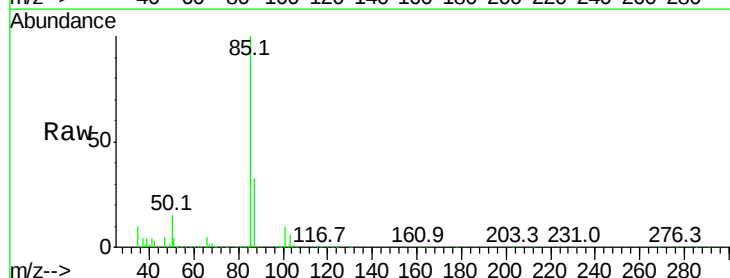
Acq: 10 Feb 2021 15:19

Tgt Ion: 85 Resp: 2551436

Ion Ratio Lower Upper

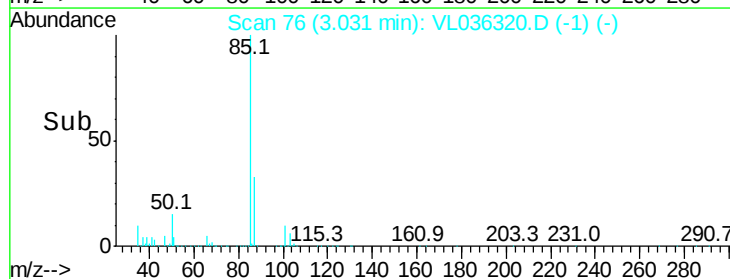
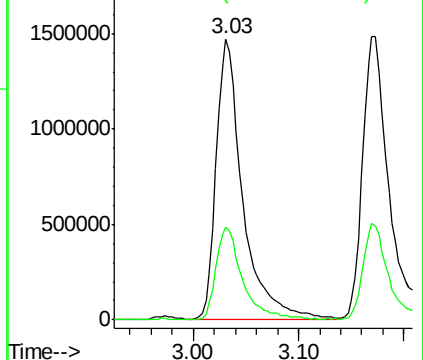
85 100

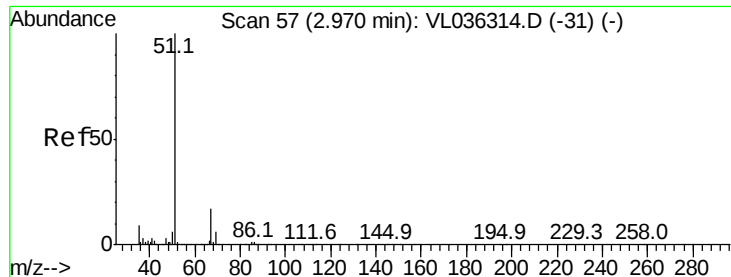
87 32.8 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 13.009 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

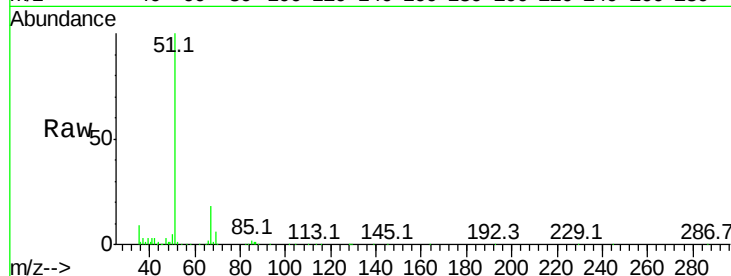
VSTDIC015

Tgt Ion: 51 Resp: 2382159

Ion Ratio Lower Upper

51 100

67 18.6 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

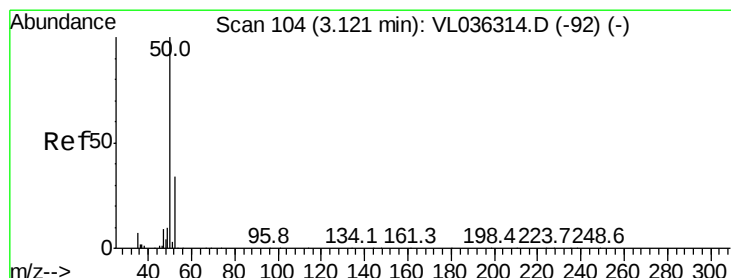
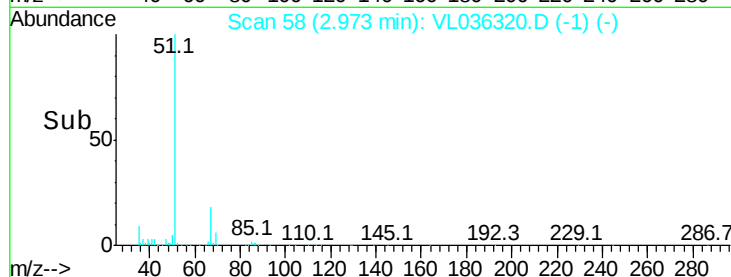
1000000

500000

0

2.97

Time-->



#4

Chloromethane

Concen: 13.033 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL036320.D

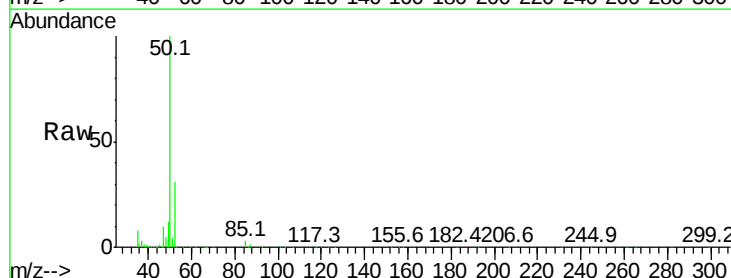
Acq: 10 Feb 2021 15:19

Tgt Ion: 50 Resp: 1179528

Ion Ratio Lower Upper

50 100

52 31.6 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

800000

600000

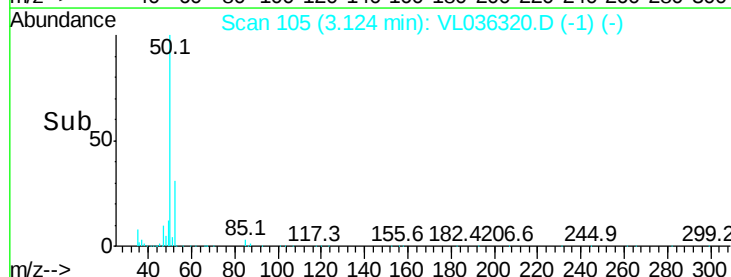
400000

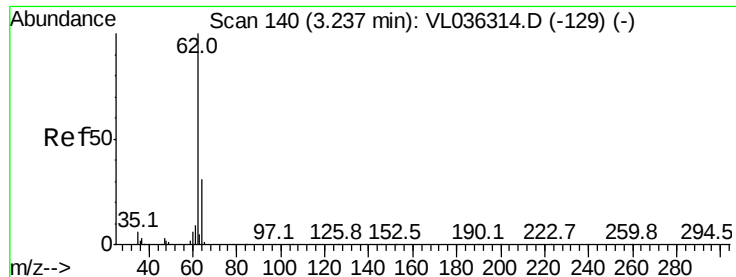
200000

0

3.12

Time-->





#5

Vinyl Chloride

Concen: 13.873 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

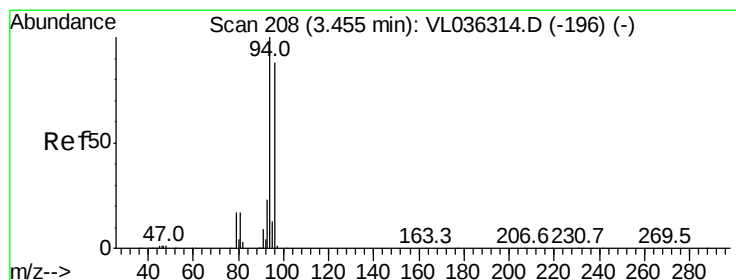
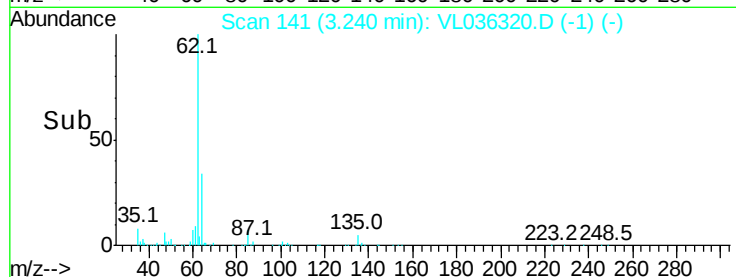
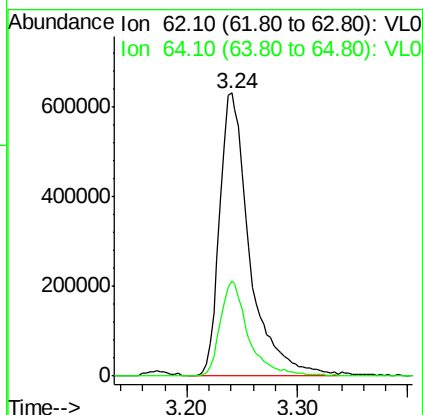
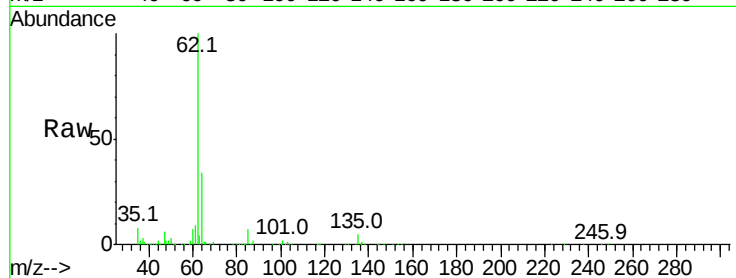
VSTDIC015

Tgt Ion: 62 Resp: 1188127

Ion Ratio Lower Upper

62 100

64 33.8 24.4 36.6



#6

Bromomethane

Concen: 13.782 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL036320.D

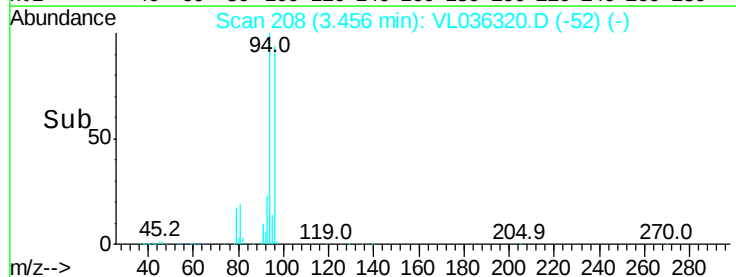
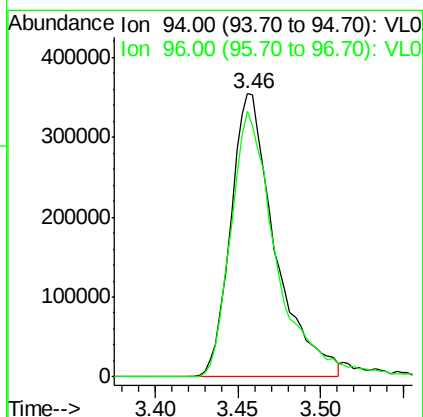
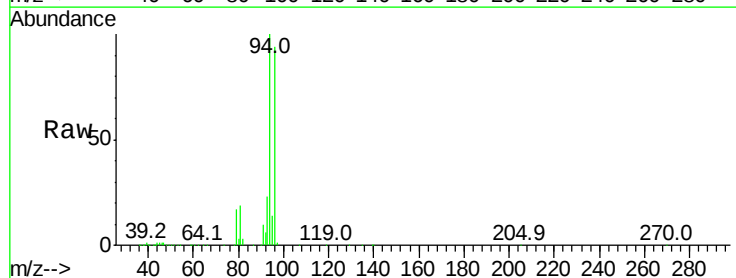
Acq: 10 Feb 2021 15:19

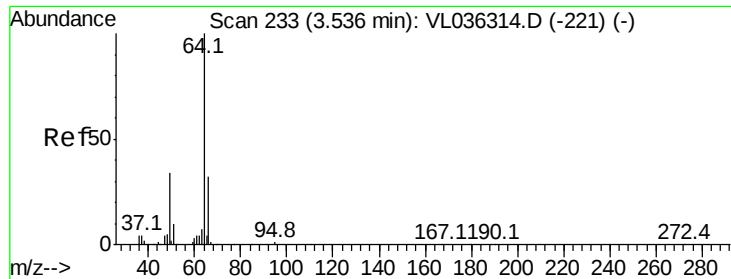
Tgt Ion: 94 Resp: 659851

Ion Ratio Lower Upper

94 100

96 93.9 70.8 106.2





#7

Chloroethane

Concen: 13.791 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

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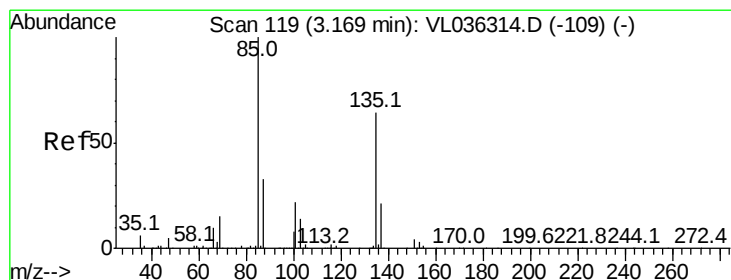
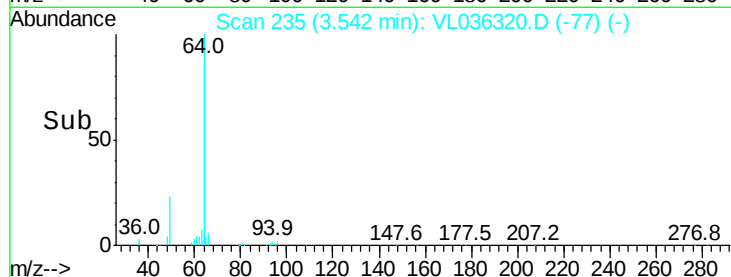
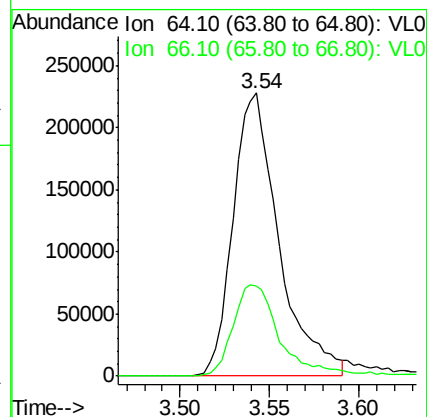
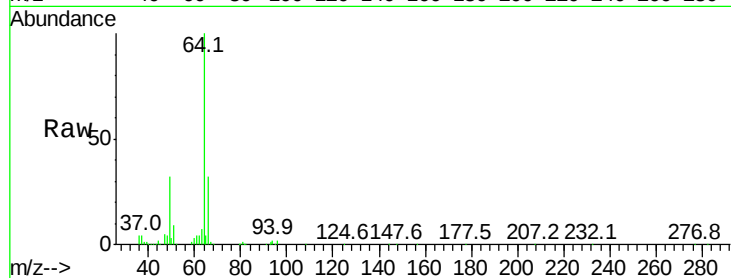
VSTDIC015

Tgt Ion: 64 Resp: 406735

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 13.376 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL036320.D

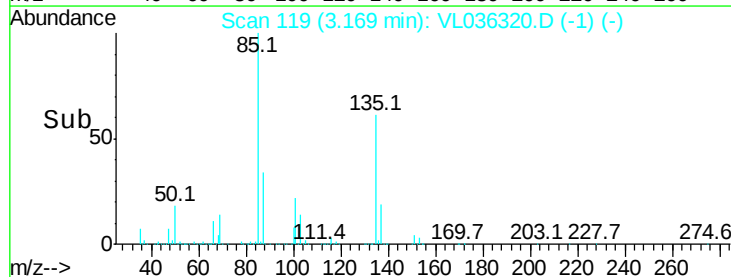
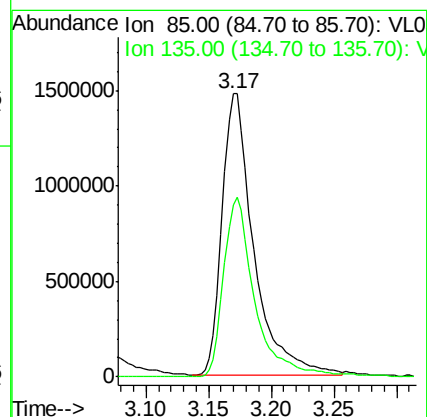
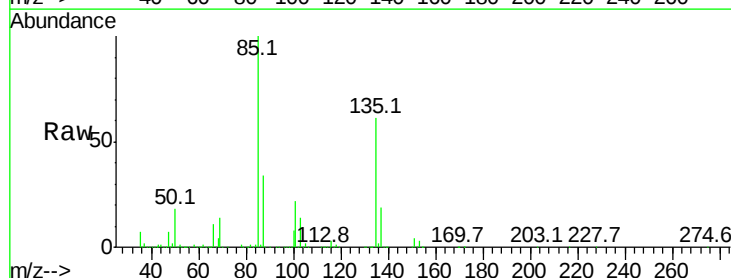
Acq: 10 Feb 2021 15:19

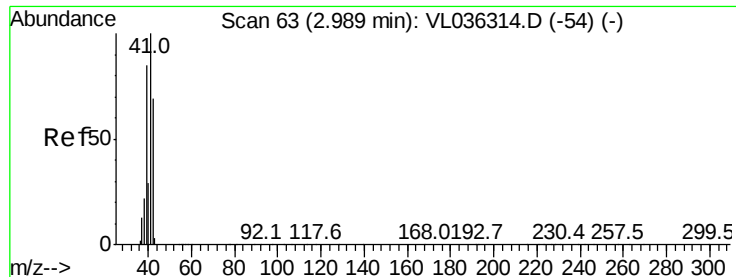
Tgt Ion: 85 Resp: 2590006

Ion Ratio Lower Upper

85 100

135 63.7 51.1 76.7





#9

Propene

Concen: 12.610 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

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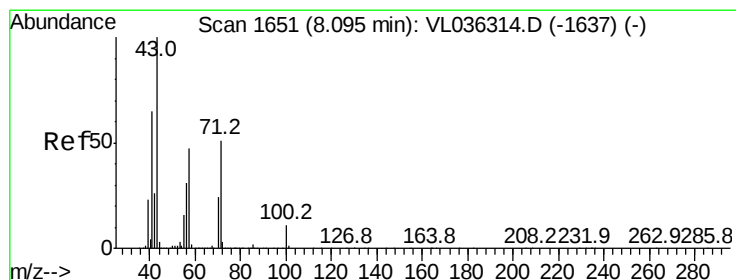
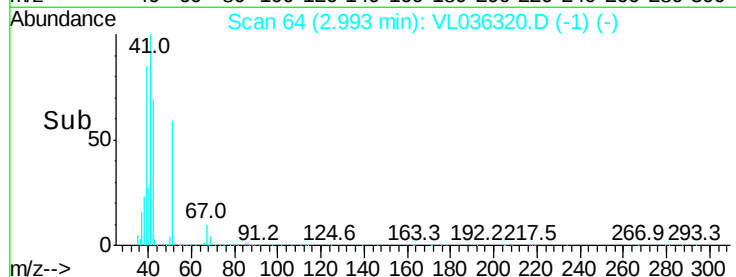
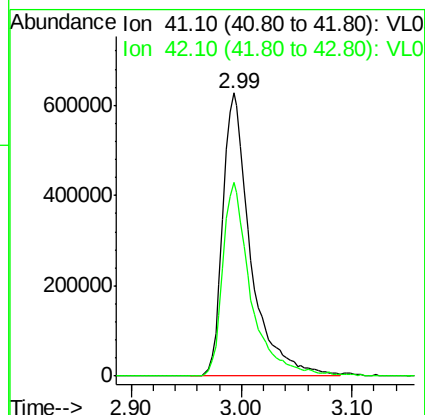
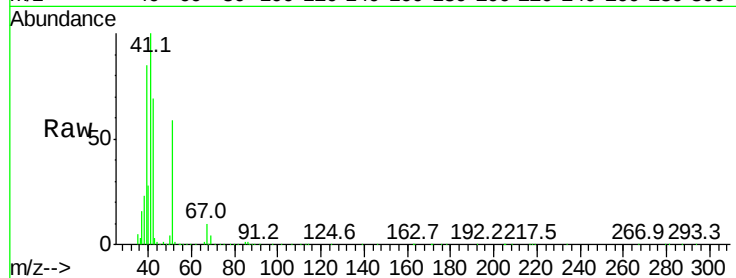
VSTDIC015

Tgt Ion: 41 Resp: 1099620

Ion Ratio Lower Upper

41 100

42 69.4 56.2 84.2



#10

Heptane

Concen: 12.837 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036320.D

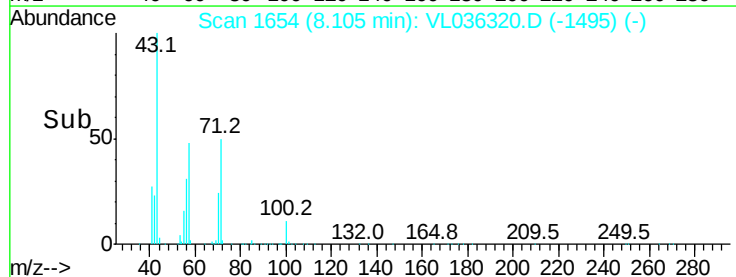
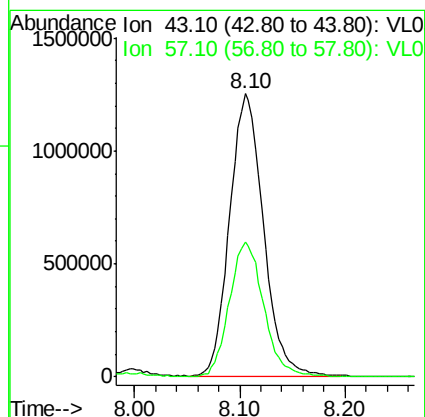
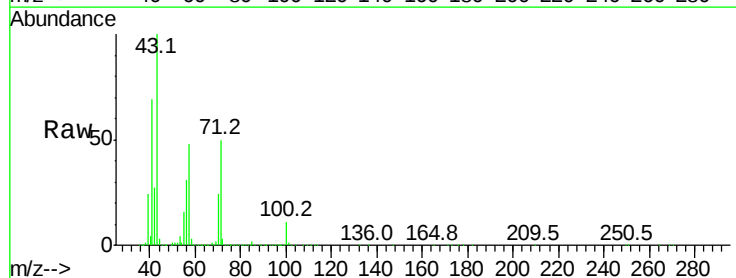
Acq: 10 Feb 2021 15:19

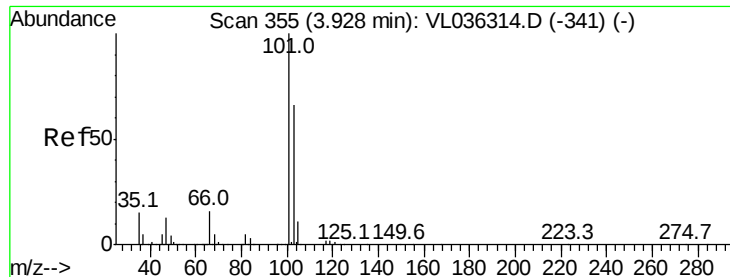
Tgt Ion: 43 Resp: 2778555

Ion Ratio Lower Upper

43 100

57 48.5 39.4 59.2

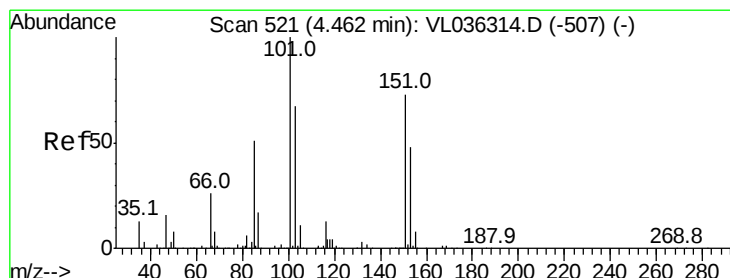
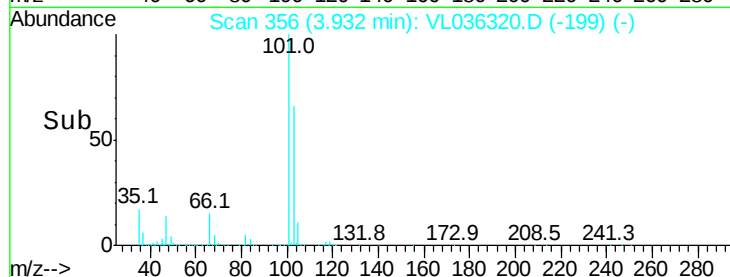
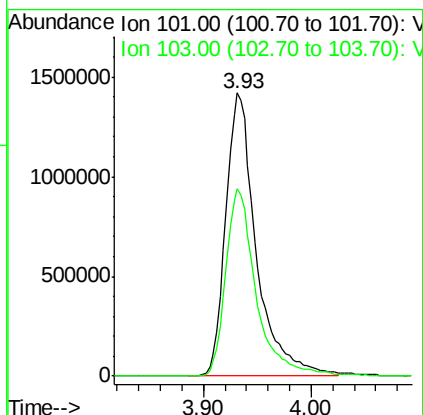
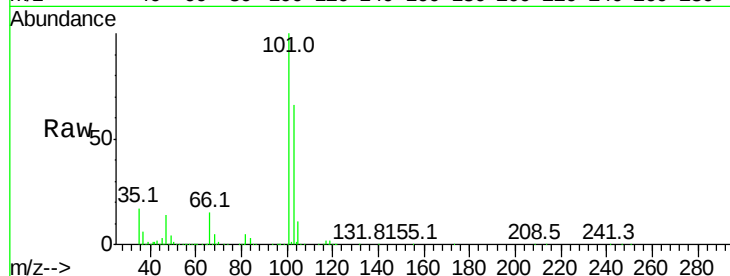




#11
 Trichlorofluoromethane
 Concen: 13.790 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL036320.D
 Acq: 10 Feb 2021 15:19

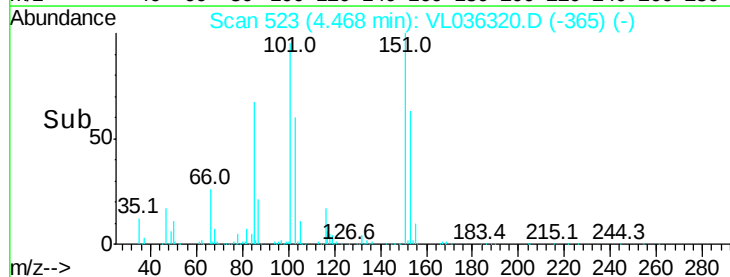
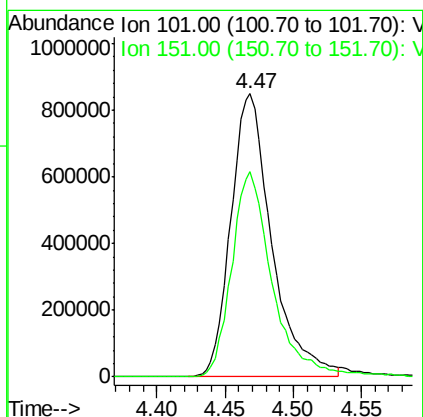
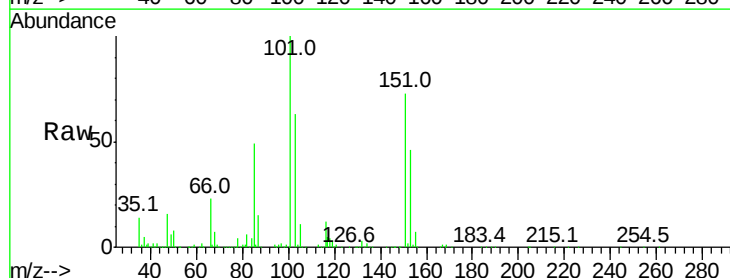
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

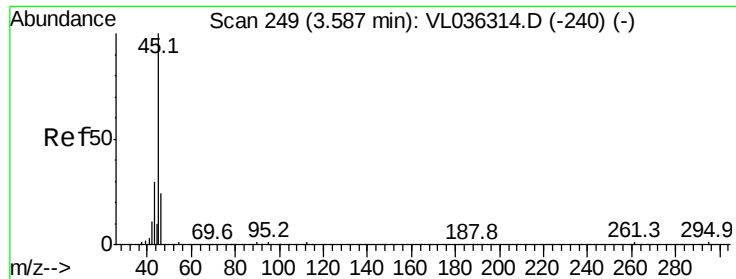
Tgt Ion:101 Resp: 2801948
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.341 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VL036320.D
 Acq: 10 Feb 2021 15:19

Tgt Ion:101 Resp: 1766597
 Ion Ratio Lower Upper
 101 100
 151 72.5 58.2 87.4





#13

Ethanol

Concen: 11.551 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

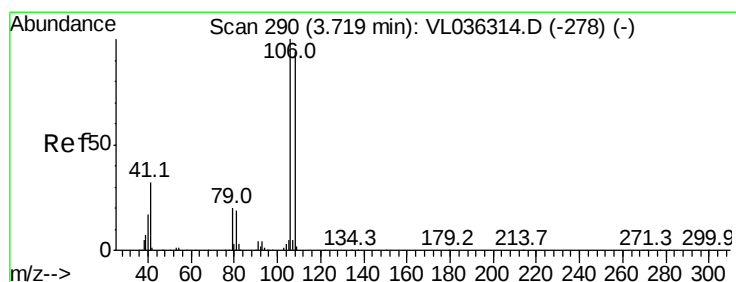
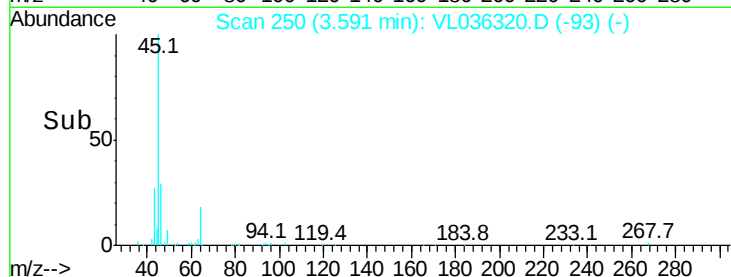
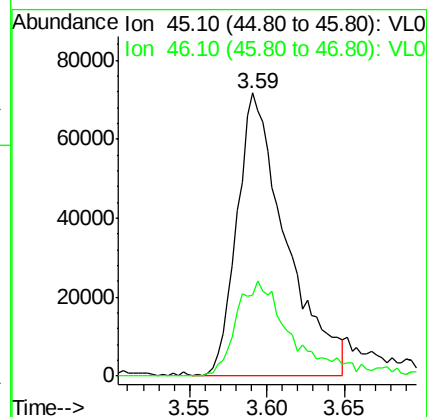
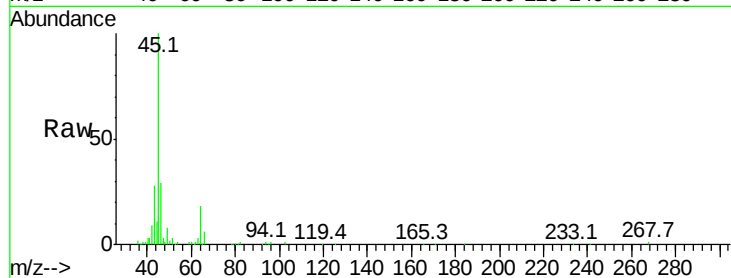
VSTDIC015

Tgt Ion: 45 Resp: 158157

Ion Ratio Lower Upper

45 100

46 38.8 17.7 70.7



#14

Bromoethene

Concen: 13.951 ppbv

RT: 3.72 min Scan# 291

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

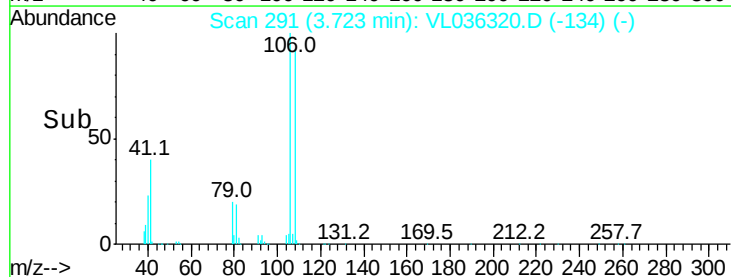
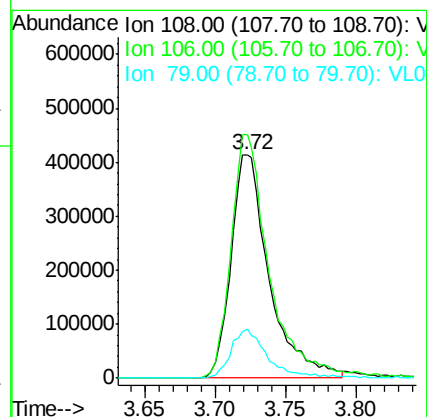
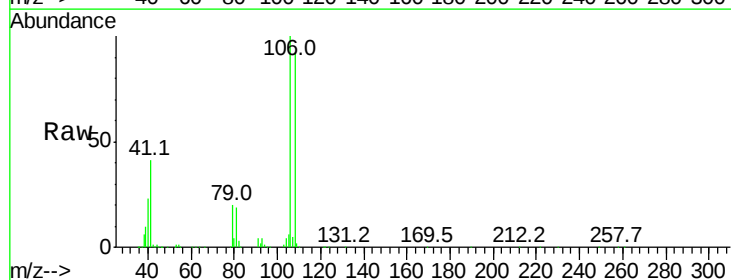
Tgt Ion: 108 Resp: 782571

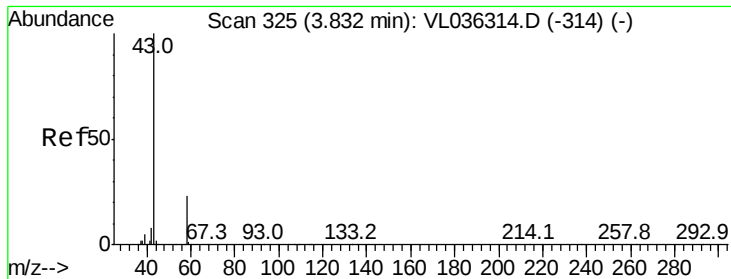
Ion Ratio Lower Upper

108 100

106 111.1 89.8 134.8

79 21.9 17.1 25.7





#15

Acetone

Concen: 12.115 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

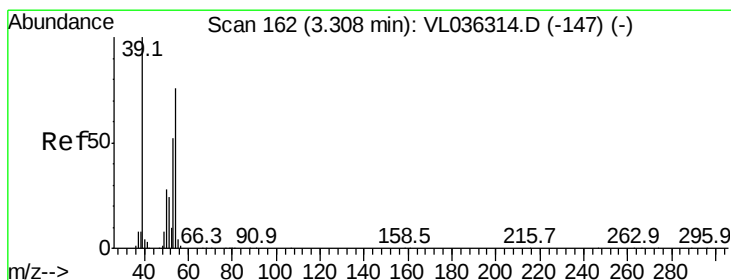
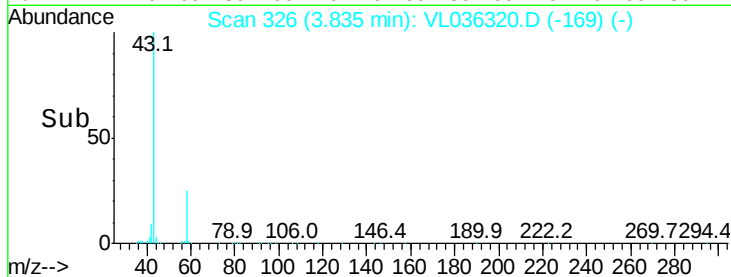
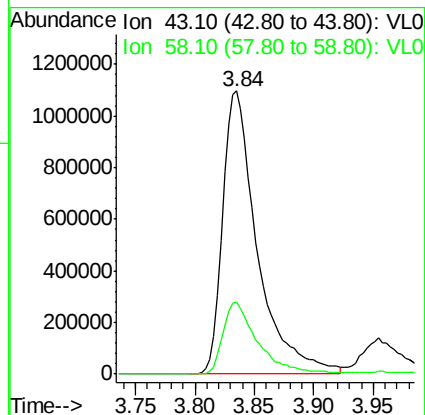
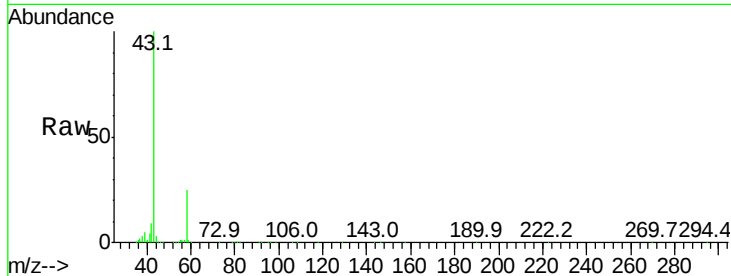
VSTDIC015

Tgt Ion: 43 Resp: 2212312

Ion Ratio Lower Upper

43 100

58 25.7 20.3 30.5



#16

1,3-Butadiene

Concen: 13.166 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.00 min

Lab File: VL036320.D

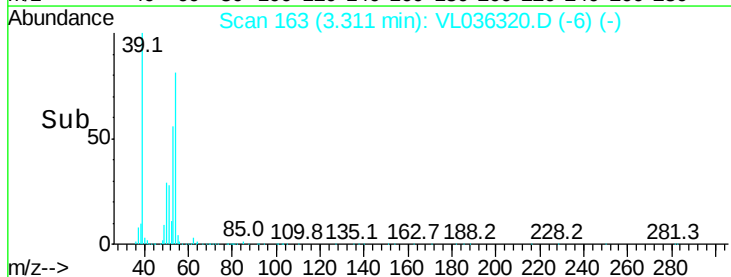
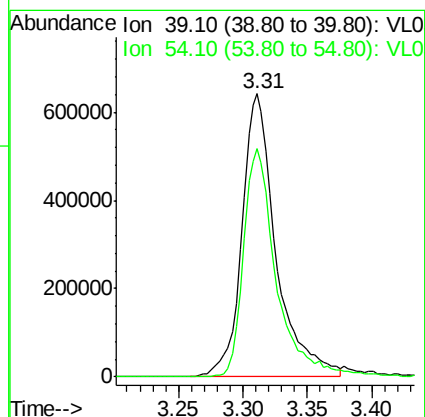
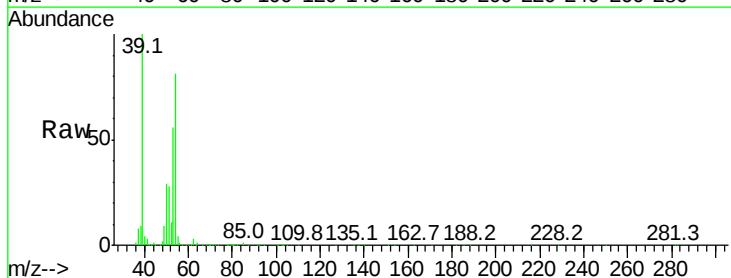
Acq: 10 Feb 2021 15:19

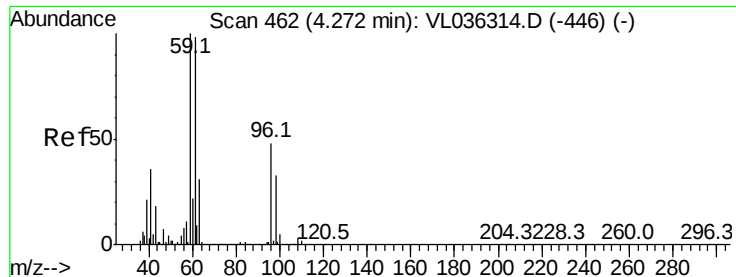
Tgt Ion: 39 Resp: 1171254

Ion Ratio Lower Upper

39 100

54 78.6 64.4 96.6





#17

tert-Butyl alcohol

Concen: 10.638 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

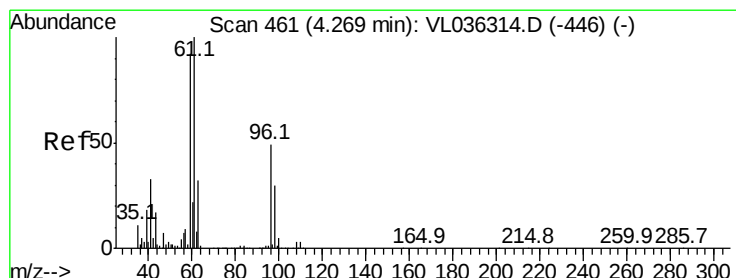
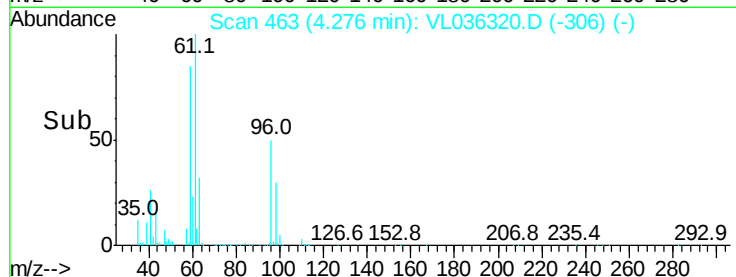
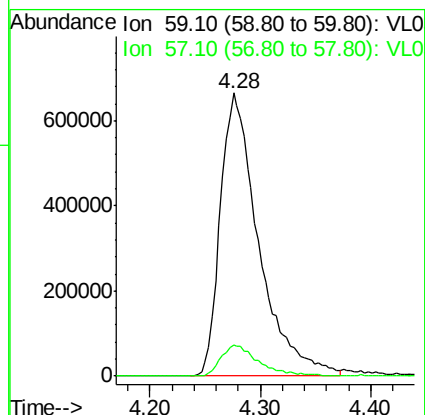
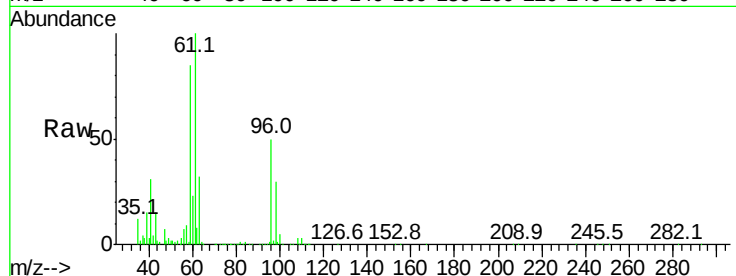
VSTDIC015

Tgt Ion: 59 Resp: 1603009

Ion Ratio Lower Upper

59 100

57 11.4 9.0 13.4



#18

1,1-Dichloroethene

Concen: 13.277 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

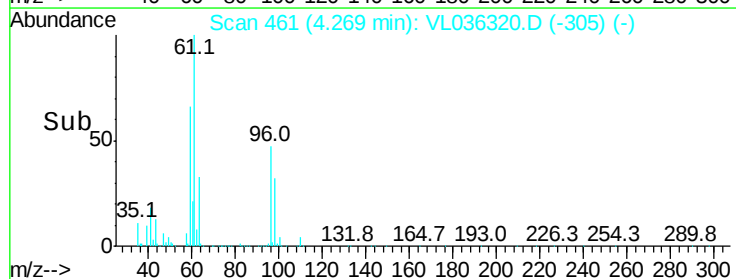
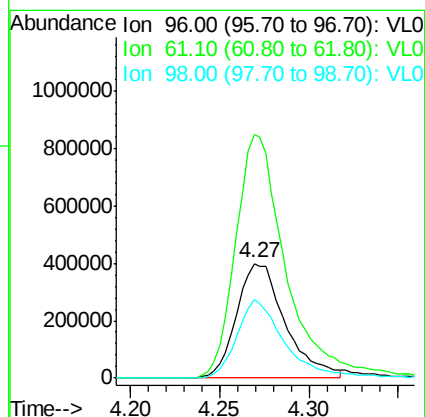
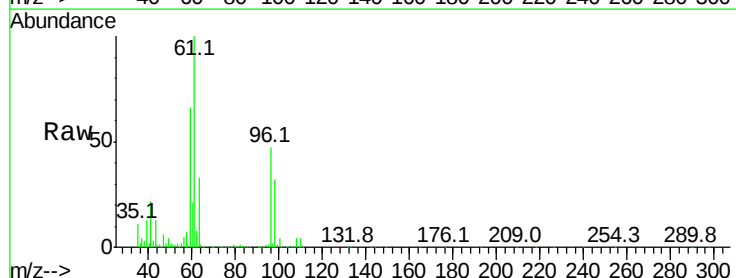
Tgt Ion: 96 Resp: 758291

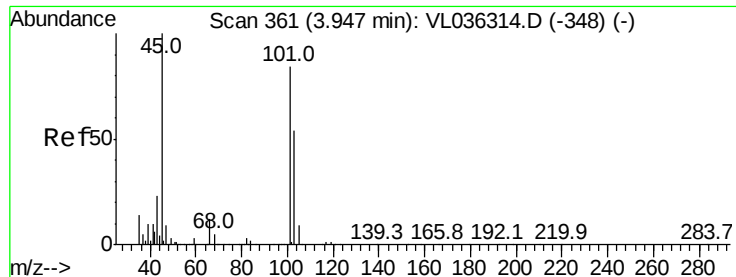
Ion Ratio Lower Upper

96 100

61 213.0 162.5 243.7

98 69.2 48.5 72.7





#19

Isopropyl Alcohol

Concen: 9.867 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

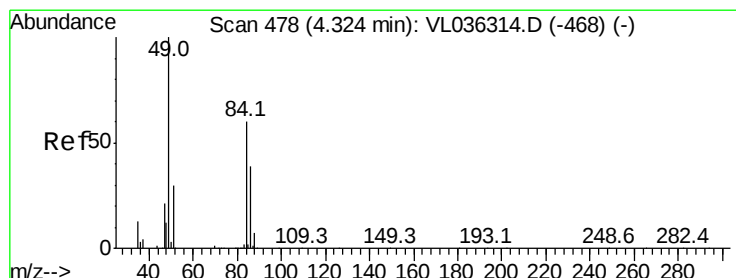
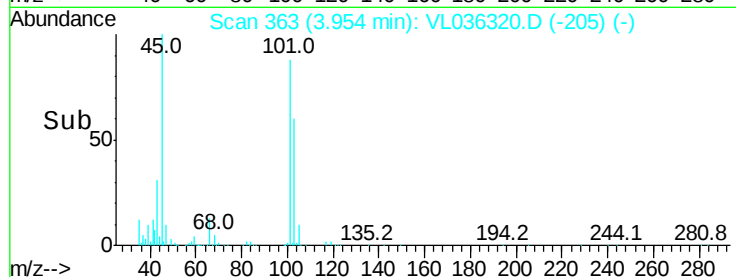
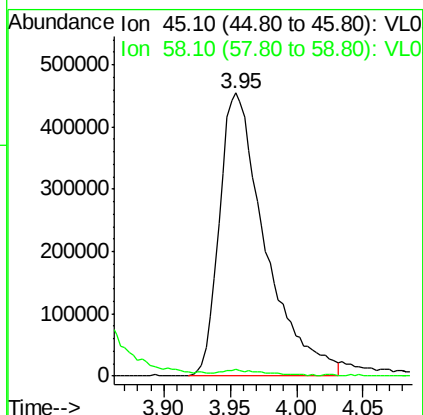
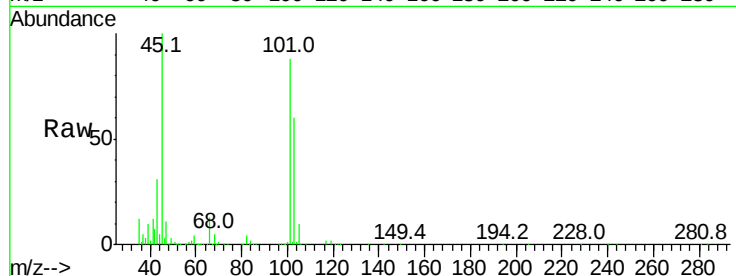
VSTDIC015

Tgt Ion: 45 Resp: 1086237

Ion Ratio Lower Upper

45 100

58 1.6 1.9 2.9#



#20

Methylene Chloride

Concen: 11.910 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Tgt Ion: 84 Resp: 694117

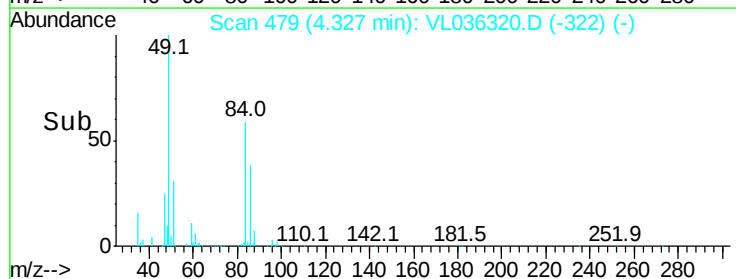
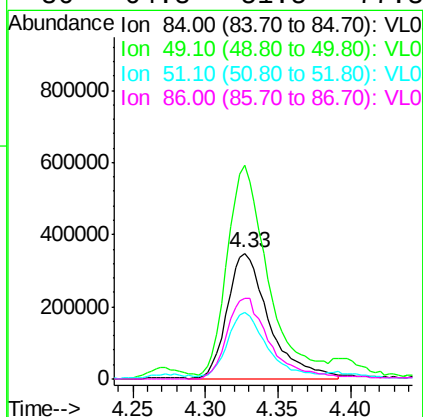
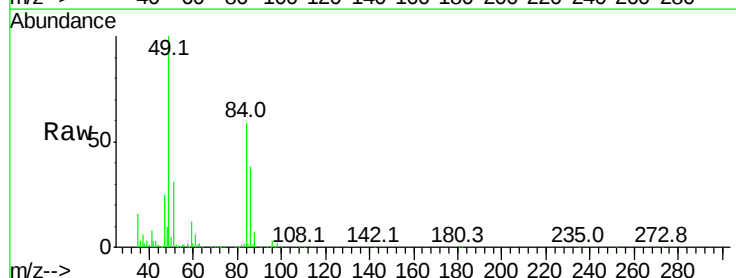
Ion Ratio Lower Upper

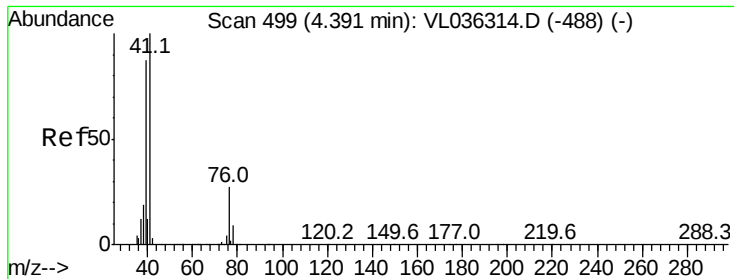
84 100

49 166.6 133.8 200.8

51 50.2 41.4 62.0

86 64.8 51.5 77.3





#21

Allyl Chloride

Concen: 14.105 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

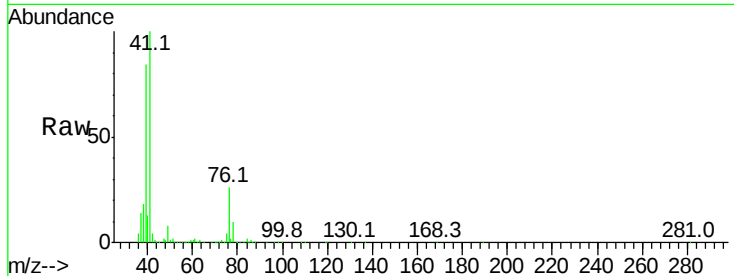
Tgt Ion: 41 Resp: 1401937

Ion Ratio Lower Upper

41 100

76 26.6 22.0 33.0

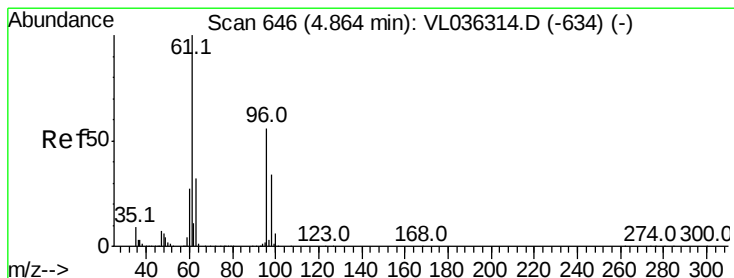
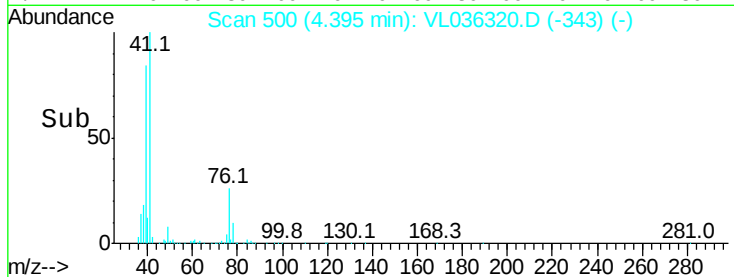
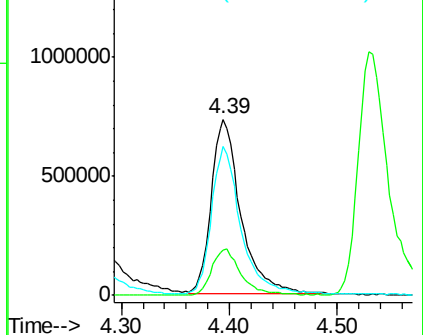
39 84.2 70.2 105.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 14.440 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

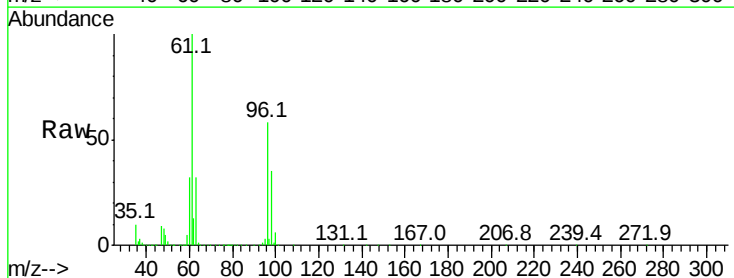
Tgt Ion: 96 Resp: 761957

Ion Ratio Lower Upper

96 100

61 173.3 143.7 215.5

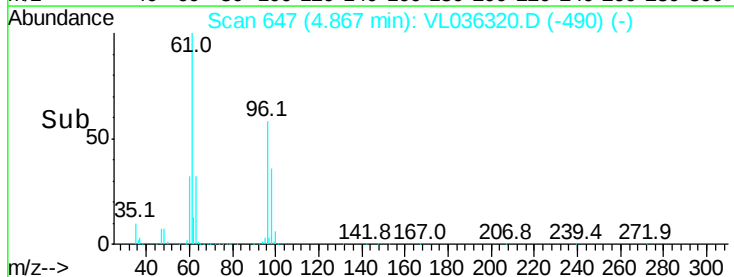
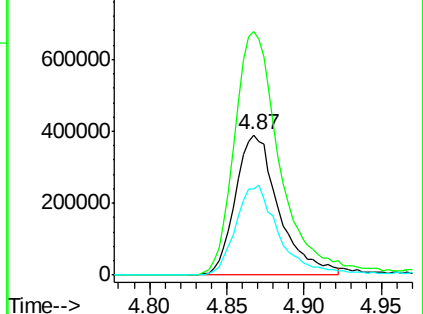
98 61.4 48.5 72.7

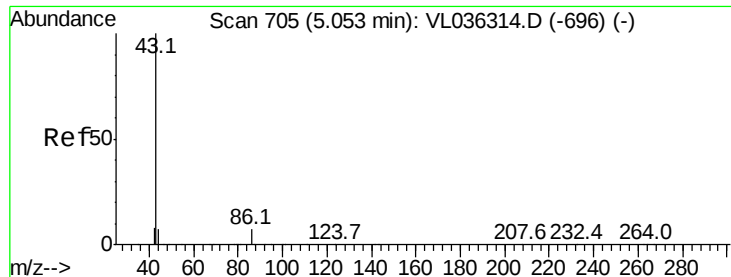


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 13.818 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

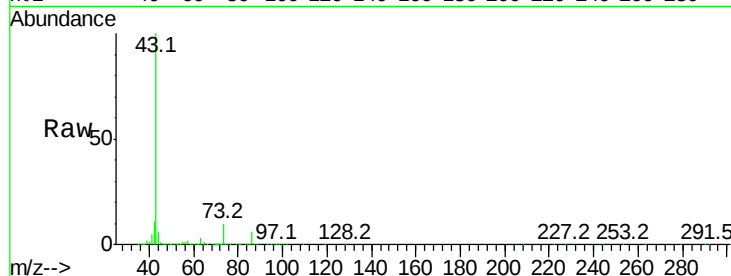
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3057506

Ion	Ratio	Lower	Upper
43	100		
86	6.1	4.8	7.2
42	10.8	7.4	11.0
44	5.5	4.8	7.2

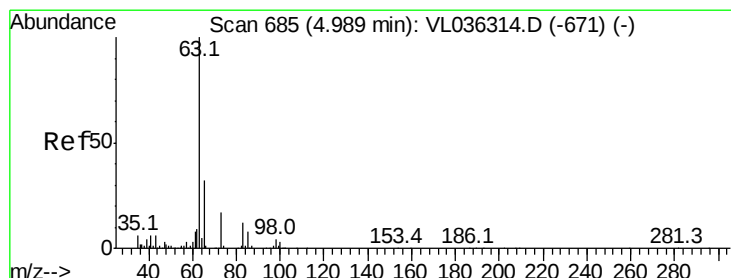
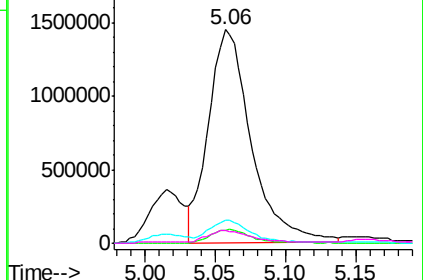
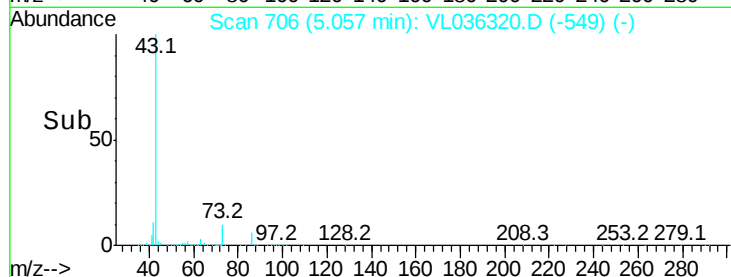


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.004 ppbv

RT: 5.00 min Scan# 687

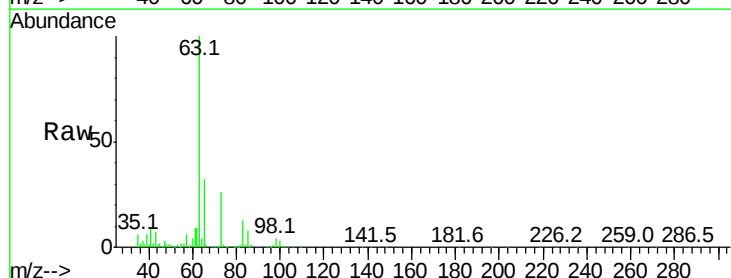
Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Tgt Ion: 63 Resp: 2084298

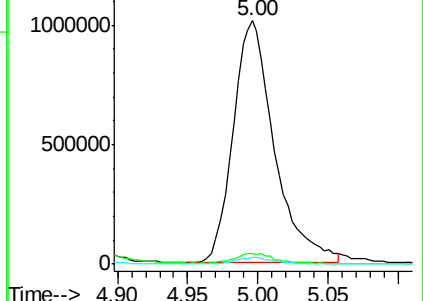
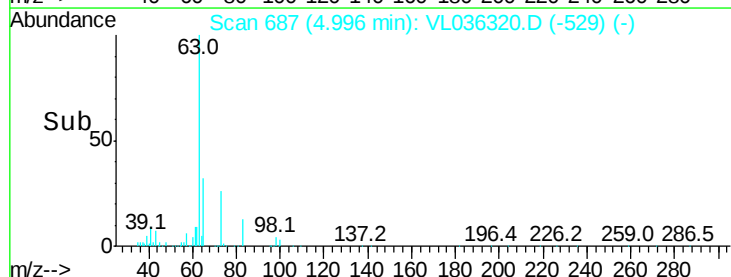
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.0	6.0
100	2.7	1.5	4.4

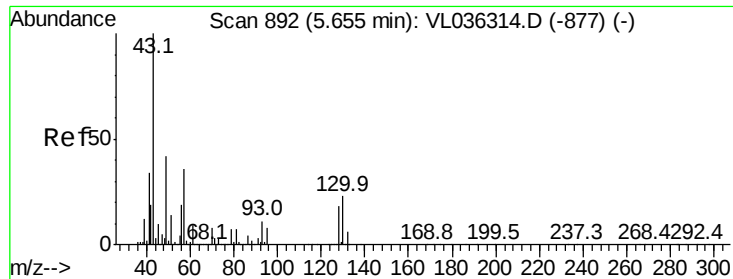


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



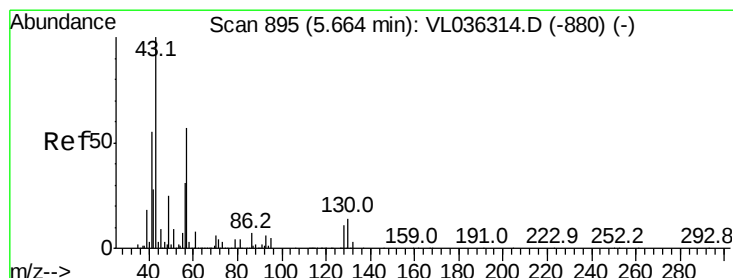
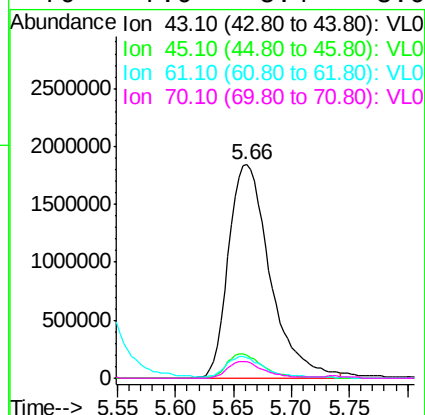
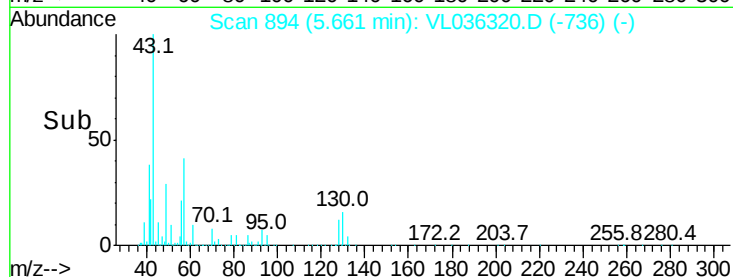
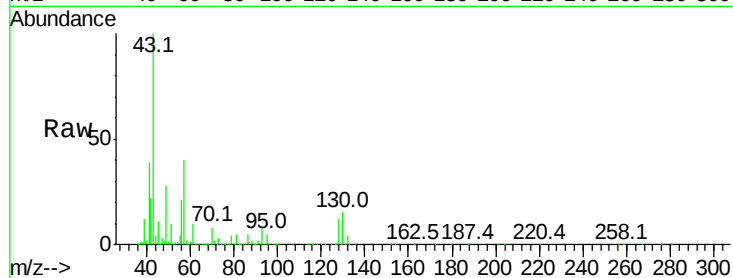


#25
Ethyl Acetate
Concen: 12.485 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 4577312

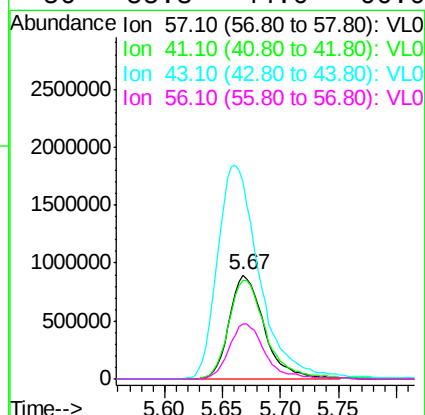
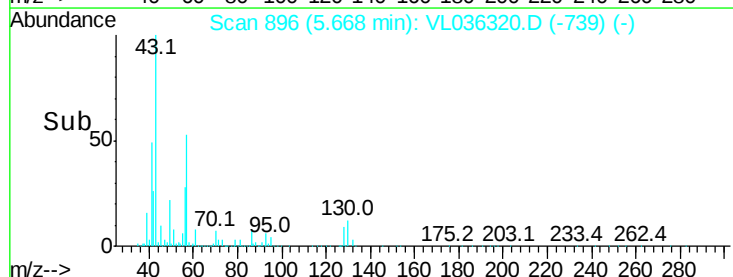
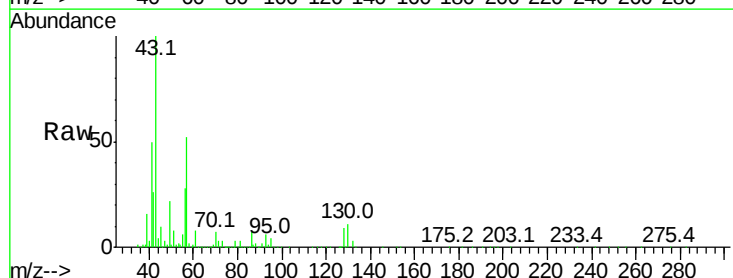
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	9.8	7.3	10.9
70	7.0	5.4	8.0

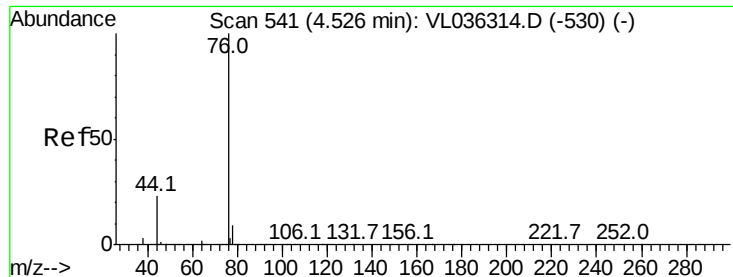


#26
Hexane
Concen: 12.278 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Tgt Ion: 57 Resp: 1874072

Ion	Ratio	Lower	Upper
57	100		
41	102.0	81.7	122.5
43	249.3	199.1	298.7
56	55.3	44.0	66.0





#27

Carbon Disulfide

Concen: 16.825 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

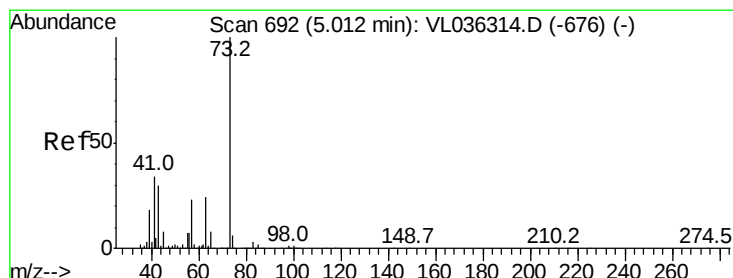
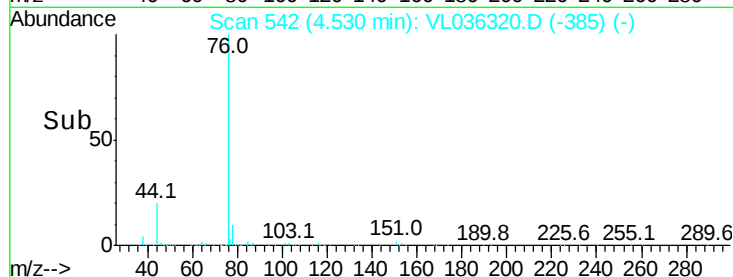
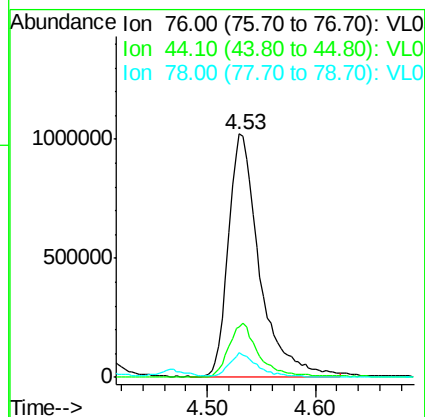
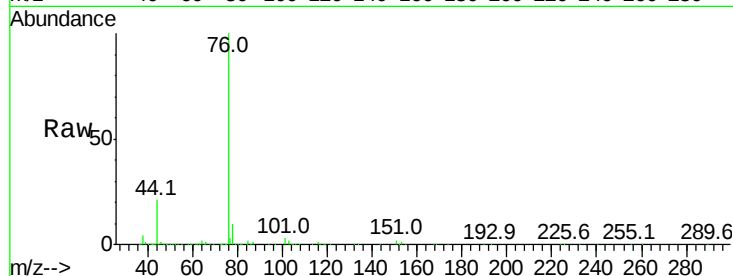
Tgt Ion: 76 Resp: 2053483

Ion Ratio Lower Upper

76 100

44 21.6 18.4 27.6

78 9.8 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 12.556 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL036320.D

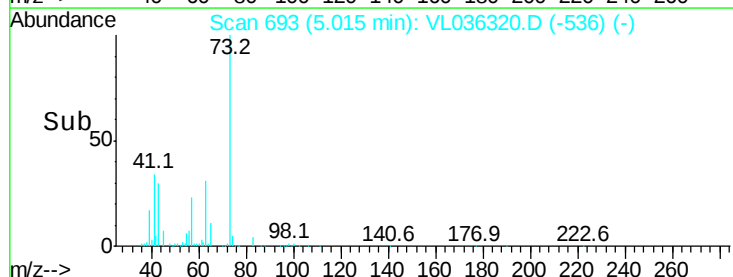
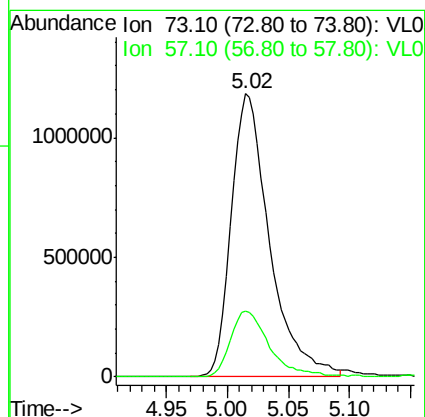
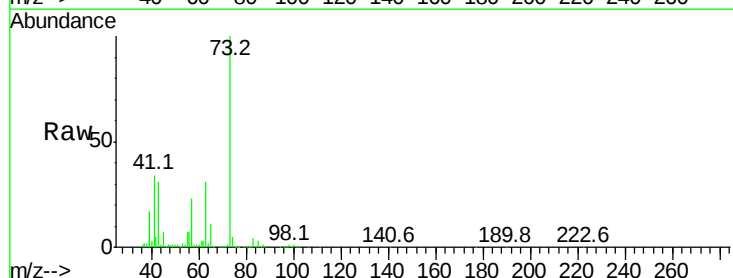
Acq: 10 Feb 2021 15:19

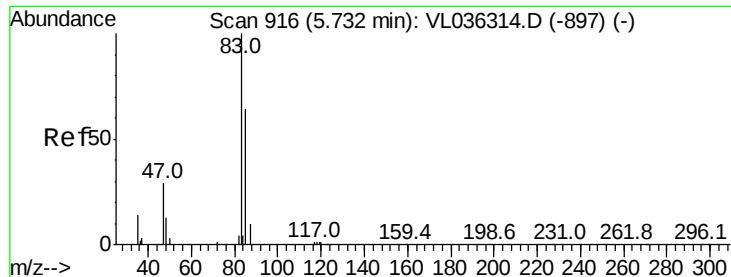
Tgt Ion: 73 Resp: 2591783

Ion Ratio Lower Upper

73 100

57 24.0 19.2 28.8

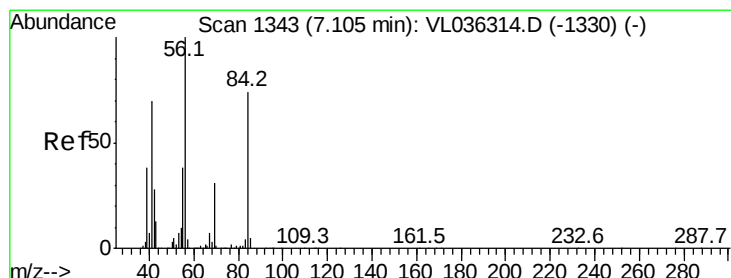
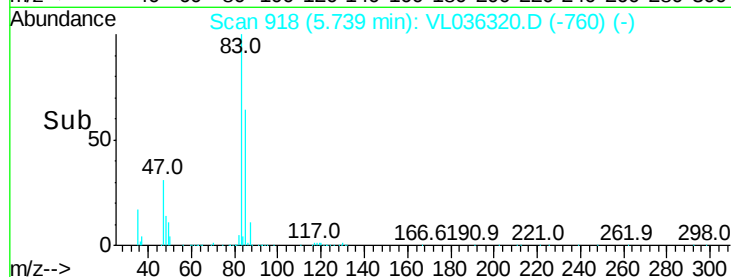
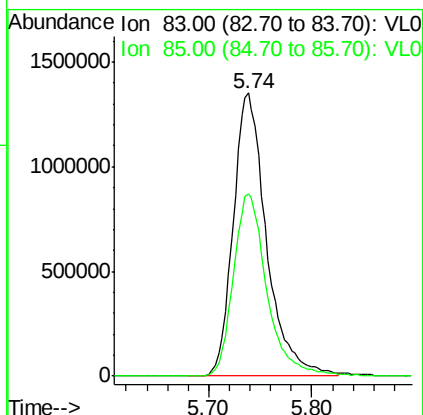
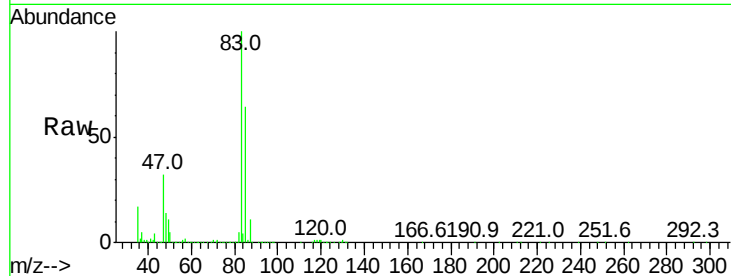




#29
Chloroform
Concen: 13.900 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

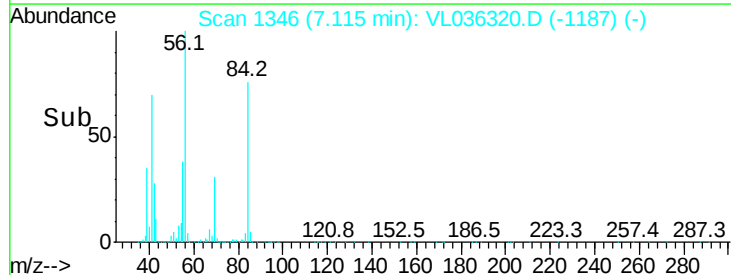
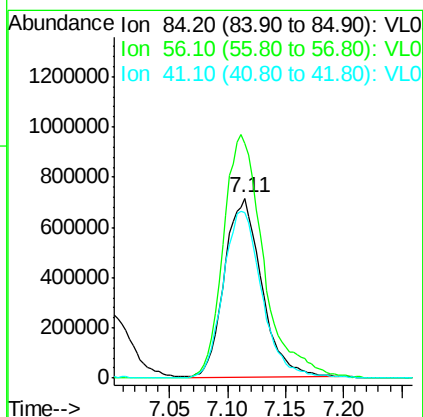
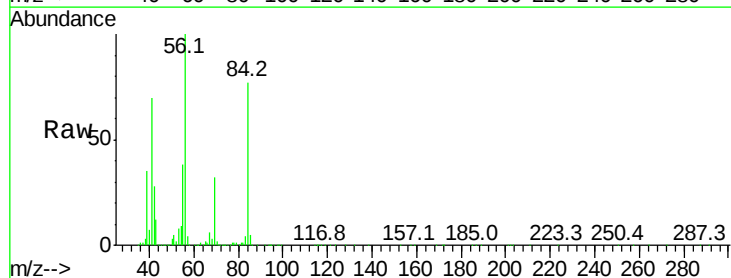
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

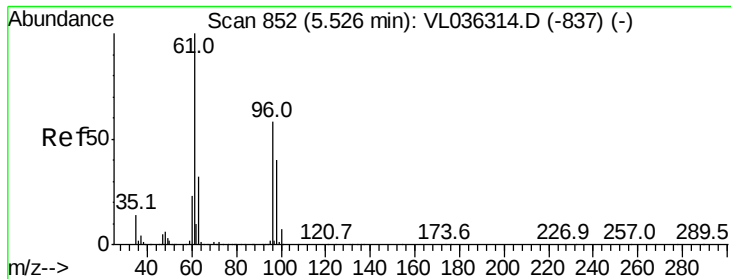
Tgt Ion: 83 Resp: 3037864
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.2



#30
Cyclohexane
Concen: 13.699 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Tgt Ion: 84 Resp: 1597865
Ion Ratio Lower Upper
84 100
56 147.3 120.2 180.4
41 97.0 79.7 119.5



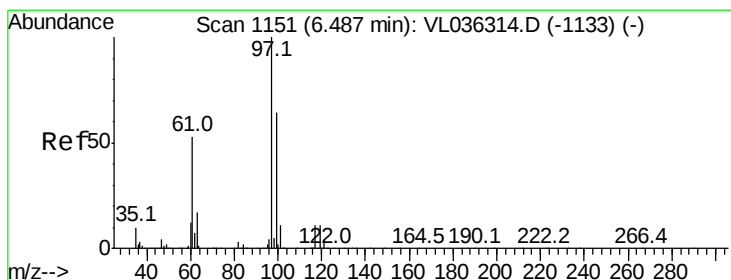
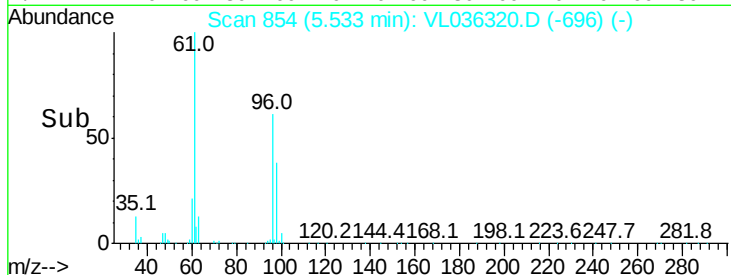
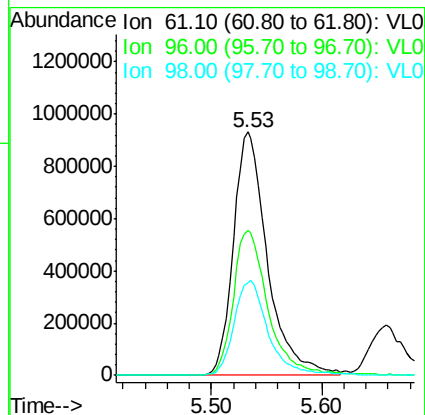
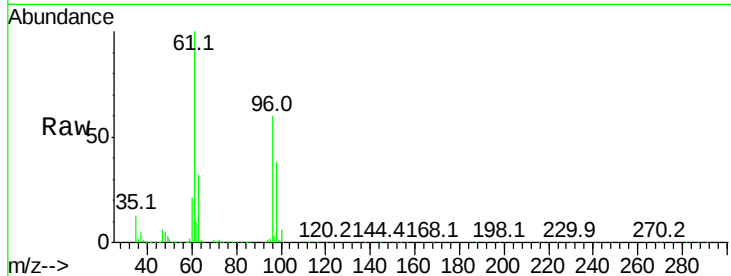


#31

cis-1,2-Dichloroethene
Concen: 13.645 ppbv
RT: 5.53 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

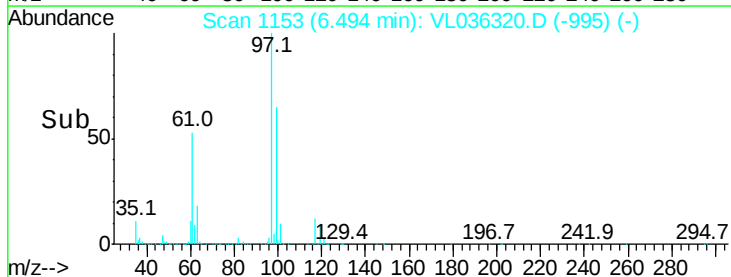
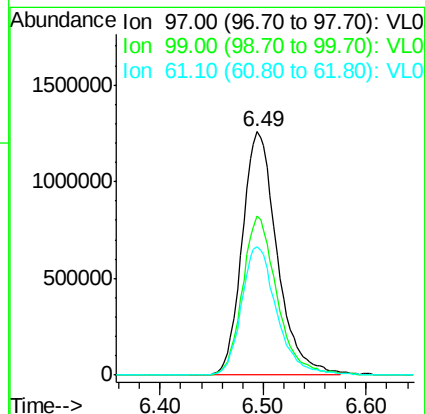
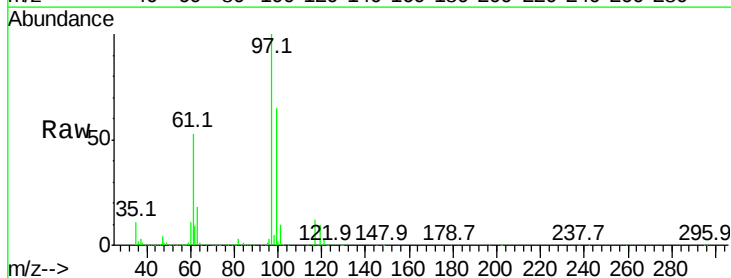
Tgt Ion: 61 Resp: 1990661
Ion Ratio Lower Upper
61 100
96 59.7 46.0 69.0
98 37.8 31.9 47.9

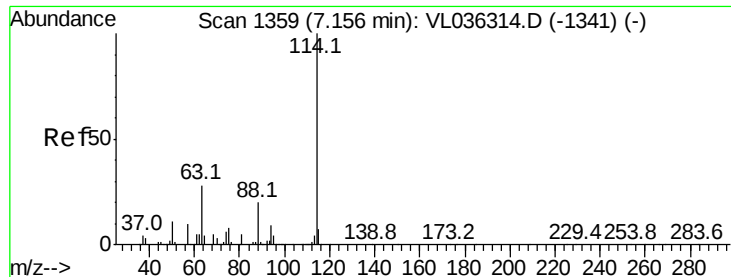


#32

1,1,1-Trichloroethane
Concen: 14.016 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Tgt Ion: 97 Resp: 2962551
Ion Ratio Lower Upper
97 100
99 64.6 52.2 78.4
61 53.5 43.3 64.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

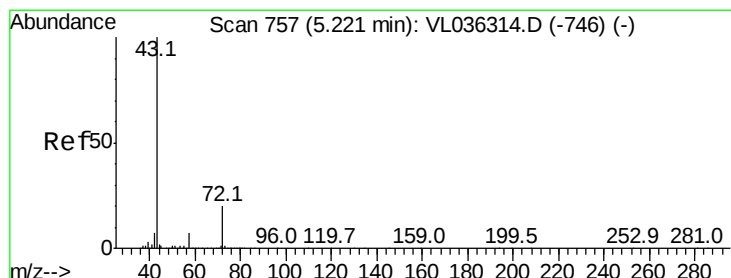
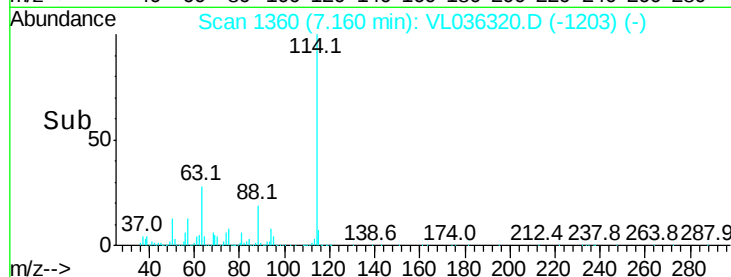
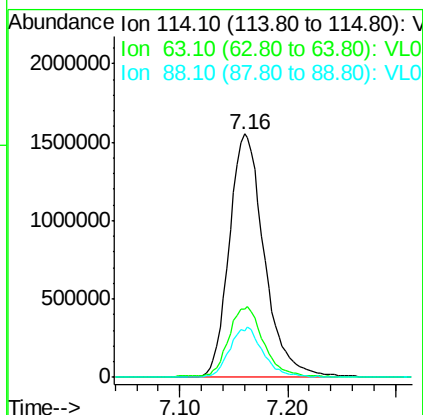
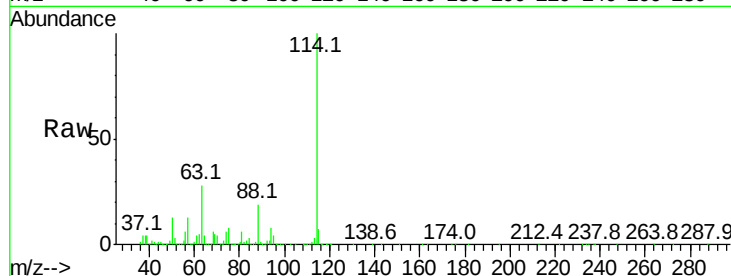
Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 114 Resp: 3499542

Ion	Ratio	Lower	Upper
114	100		
63	29.7	24.1	36.1
88	19.8	16.0	24.0



#34

2-Butanone

Concen: 11.562 ppbv

RT: 5.23 min Scan# 759

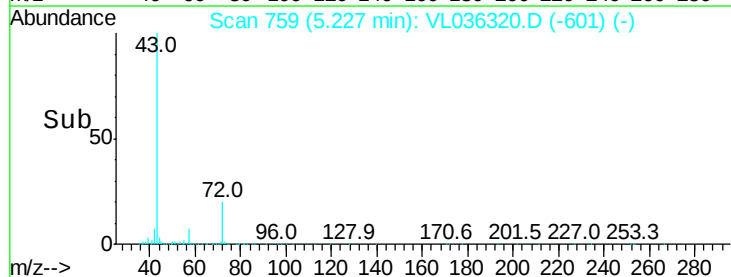
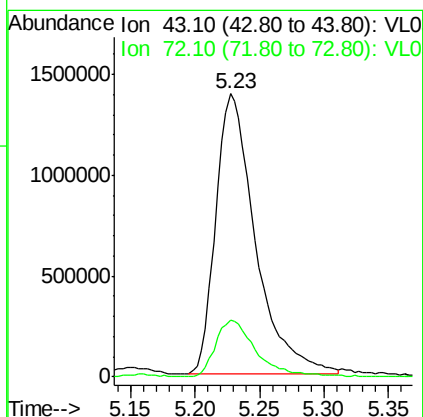
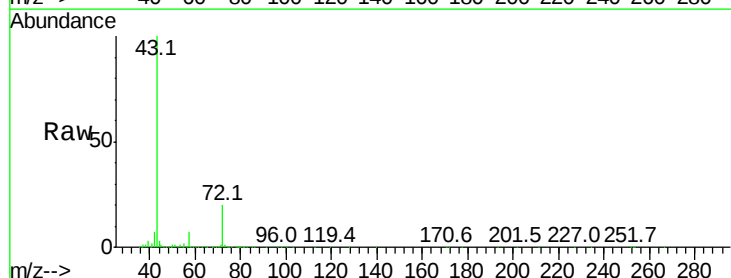
Delta R.T. 0.01 min

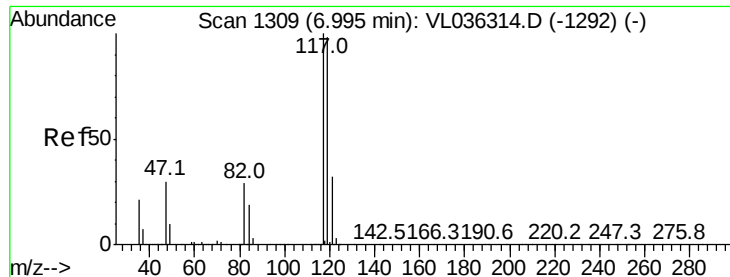
Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Tgt Ion: 43 Resp: 2979616

Ion	Ratio	Lower	Upper
43	100		
72	21.1	16.7	25.1





#35

Carbon Tetrachloride

Concen: 13.800 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

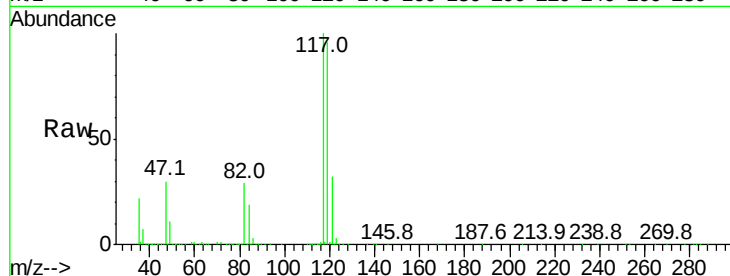
Tgt Ion: 117 Resp: 3051345

Ion Ratio Lower Upper

117 100

119 96.1 78.1 117.1

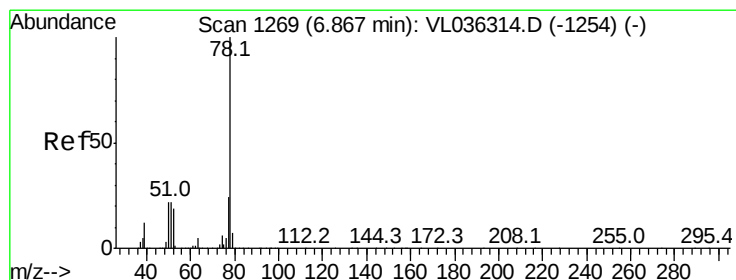
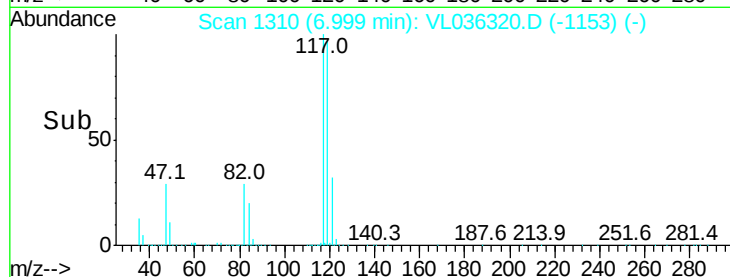
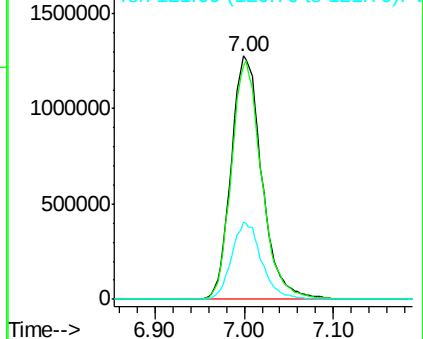
121 31.7 25.8 38.8



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: 12.300 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

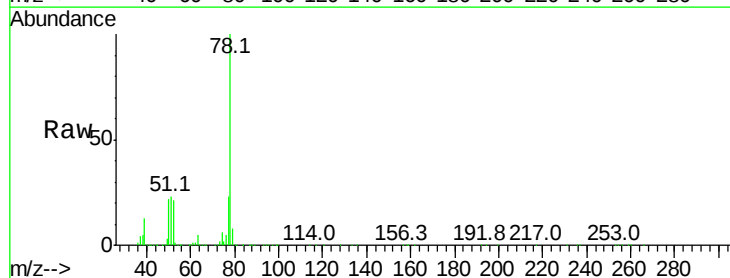
Tgt Ion: 78 Resp: 3943912

Ion Ratio Lower Upper

78 100

77 23.3 18.9 28.3

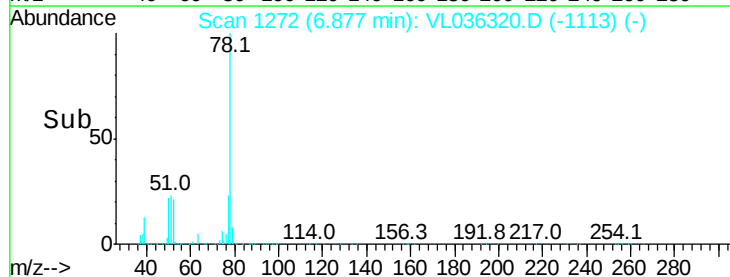
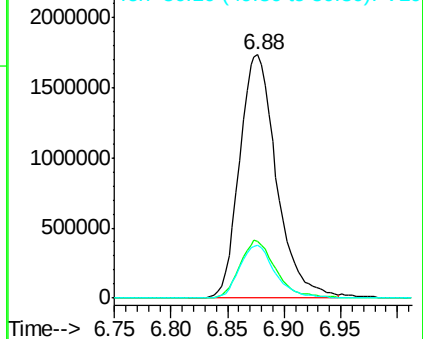
50 21.7 17.3 25.9

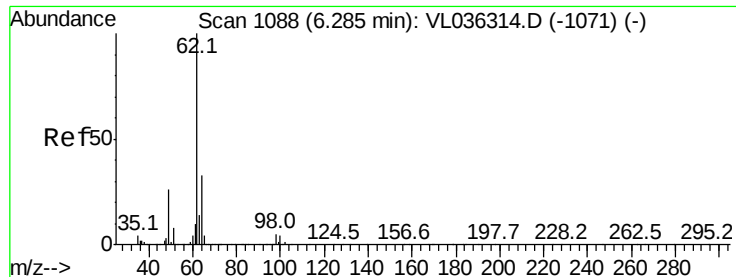


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 12.659 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. 0.01 min

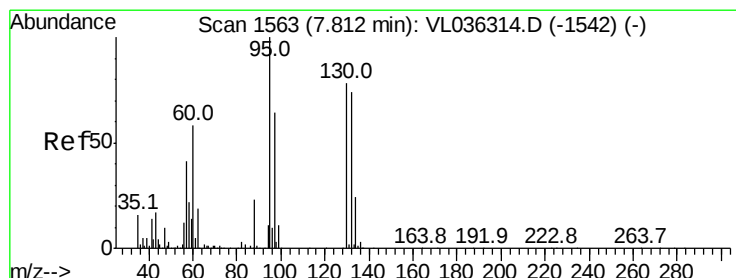
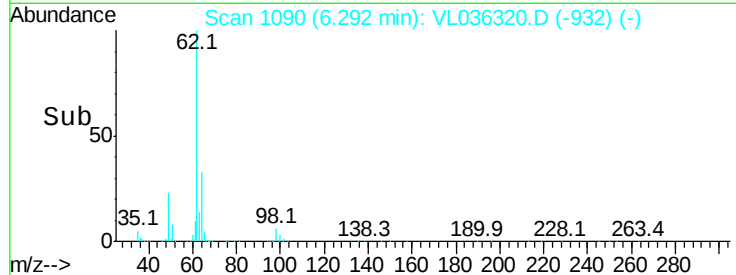
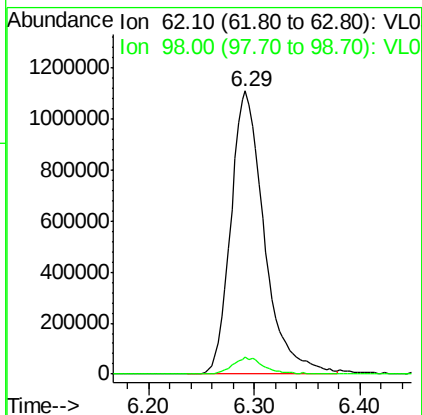
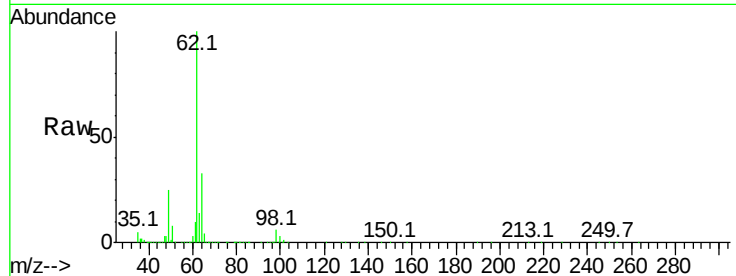
Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 62 Resp: 2442559

Ion	Ratio	Lower	Upper
62	100		
98	5.7	4.5	6.7



#38

Trichloroethene

Concen: 11.263 ppbv

RT: 7.82 min Scan# 1565

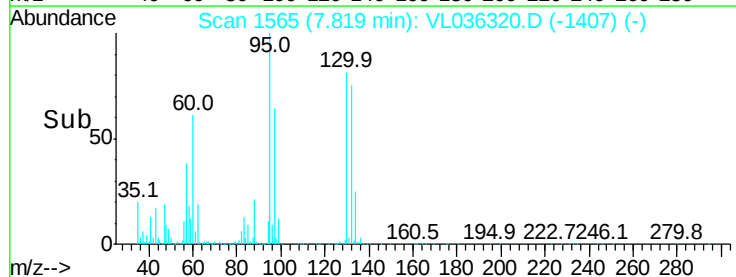
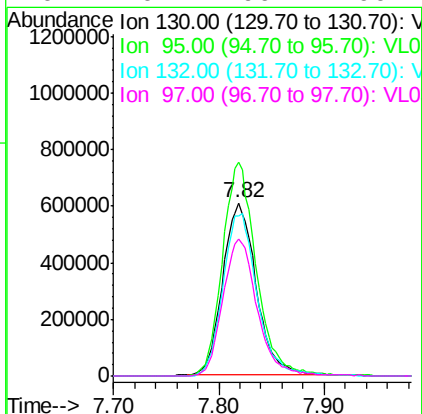
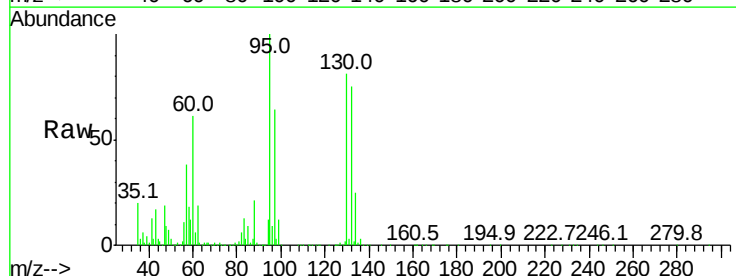
Delta R.T. 0.01 min

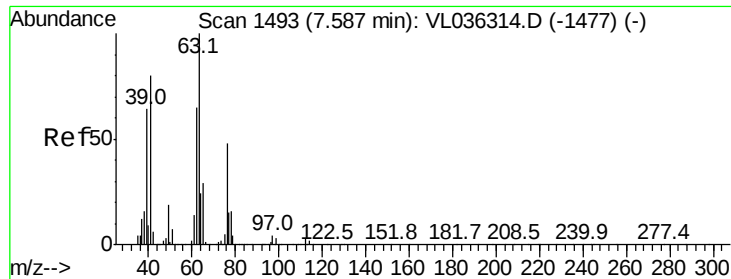
Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Tgt Ion: 130 Resp: 1337671

Ion	Ratio	Lower	Upper
130	100		
95	123.9	102.8	154.2
132	92.9	75.7	113.5
97	79.1	66.2	99.2





#39

1,2-Dichloropropane

Concen: 12.393 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

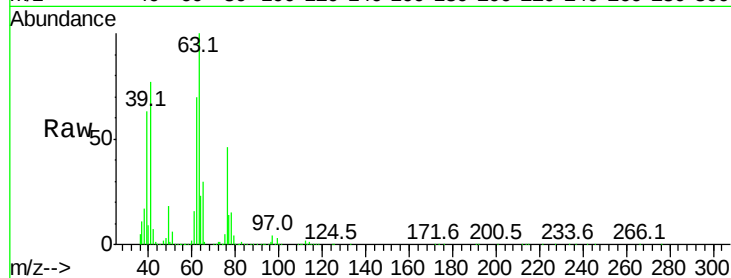
Tgt Ion: 63 Resp: 1613486

Ion Ratio Lower Upper

63 100

41 76.5 63.8 95.6

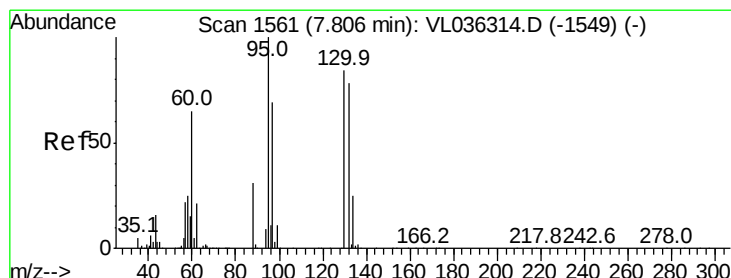
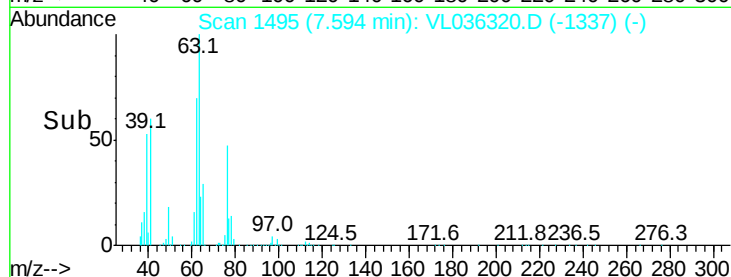
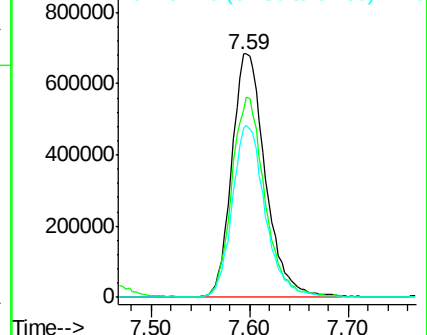
62 69.4 52.3 78.5



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: 9.898 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Tgt Ion: 88 Resp: 466161

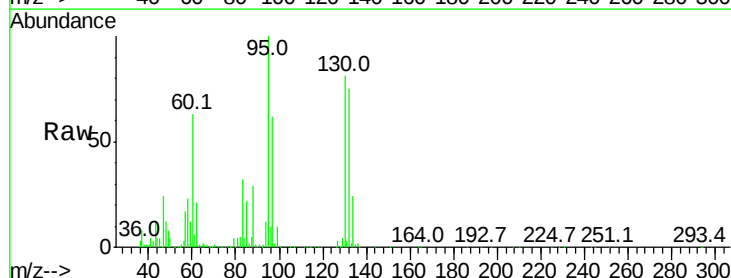
Ion Ratio Lower Upper

88 100

58 147.7 45.0 67.4#

43 344.1 0.0 0.0#

57 1403.0 0.0 0.0#

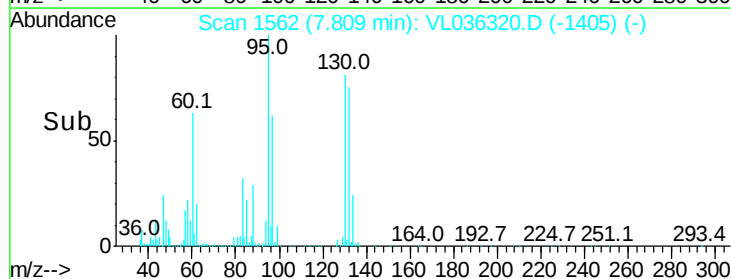
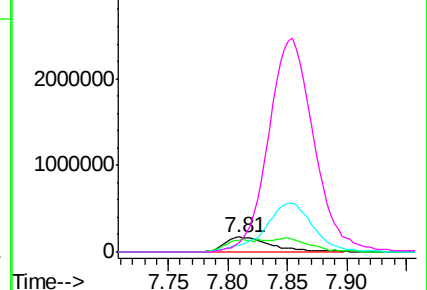


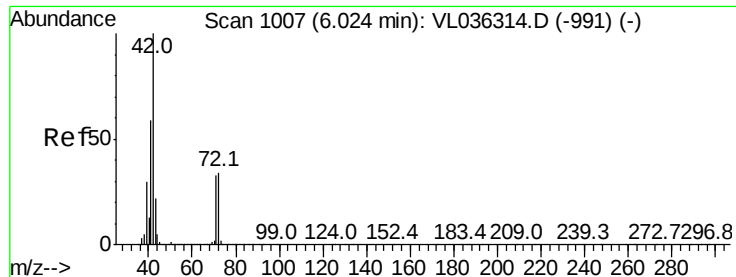
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

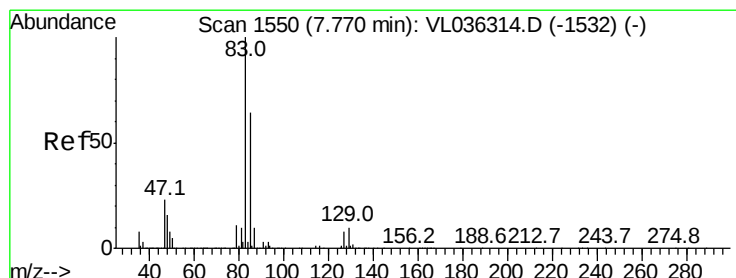
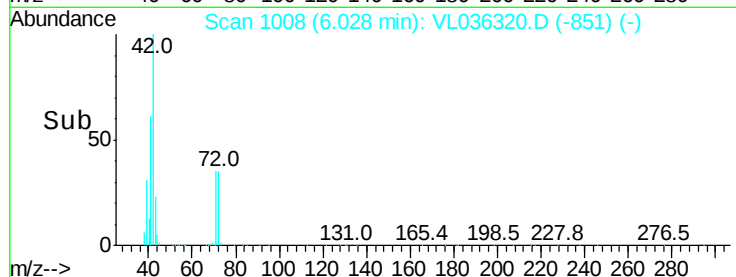
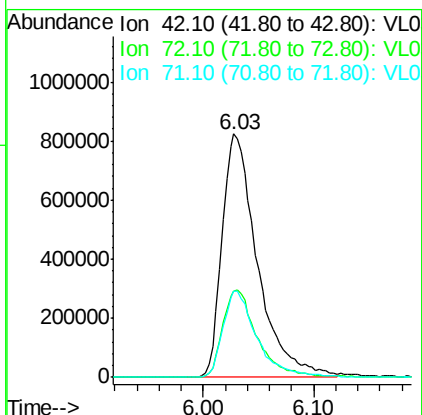
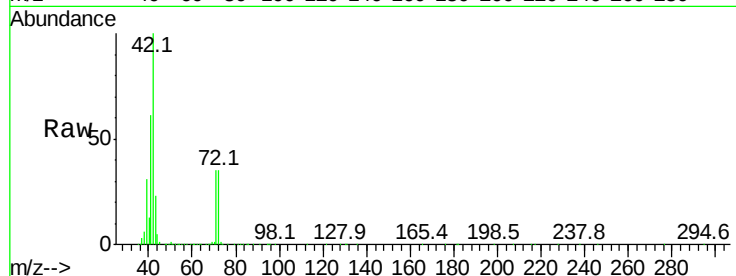




#41
Tetrahydrofuran
Concen: 12.286 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

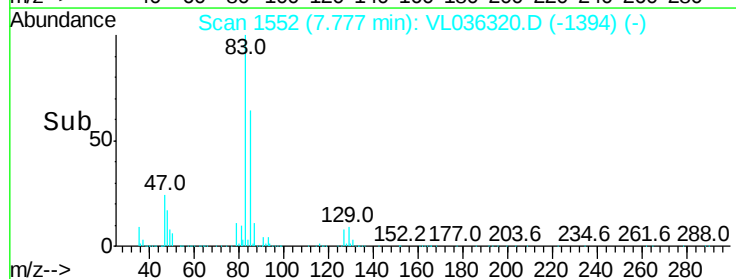
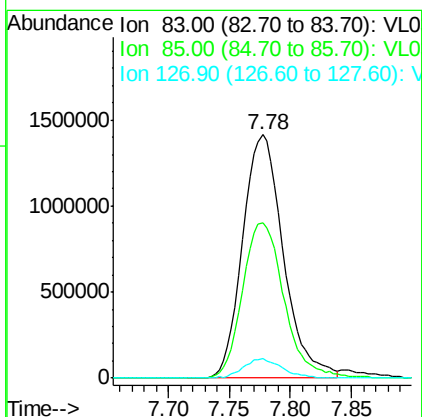
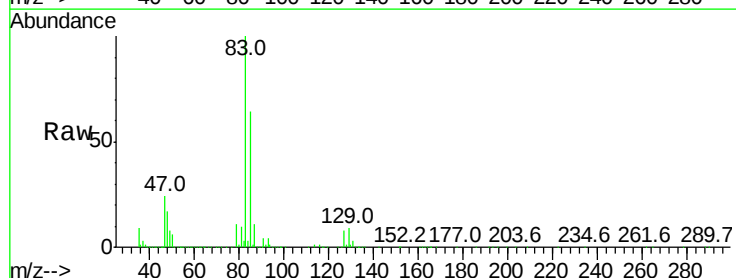
Instrument :
MSVOA_L
ClientSampled :
VSTDIC015

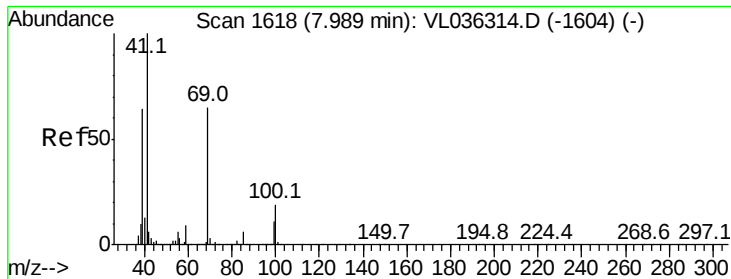
Tgt Ion: 42 Resp: 1829790
Ion Ratio Lower Upper
42 100
72 35.6 29.3 43.9
71 34.6 27.8 41.8



#42
Bromodichloromethane
Concen: 13.443 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Tgt Ion: 83 Resp: 3260062
Ion Ratio Lower Upper
83 100
85 63.7 51.1 76.7
127 8.1 6.3 9.5

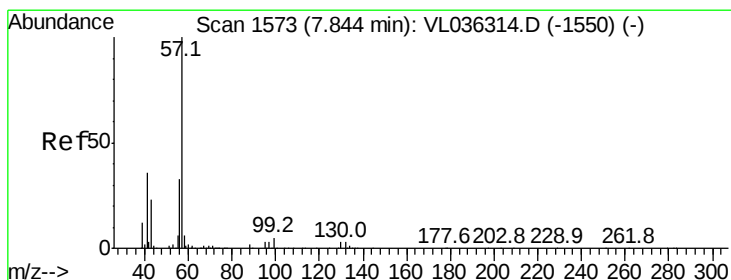
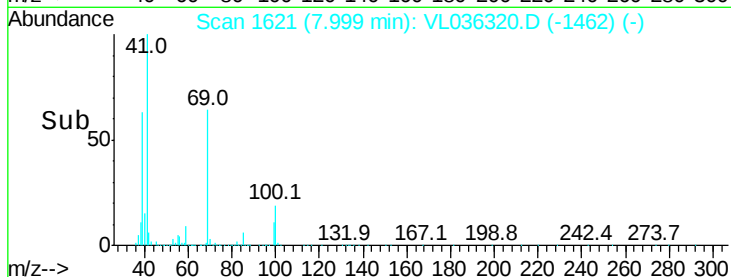
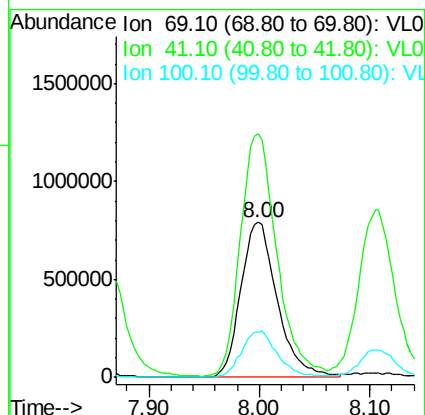
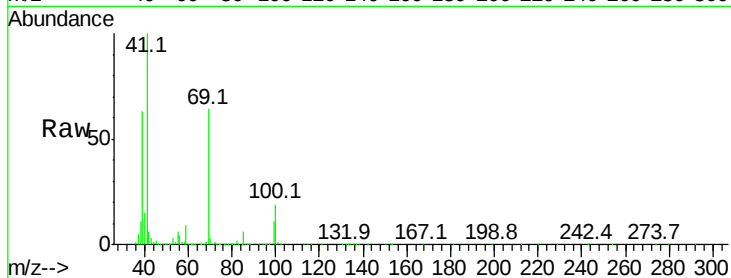




#43
Methyl Methacrylate
Concen: 13.285 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

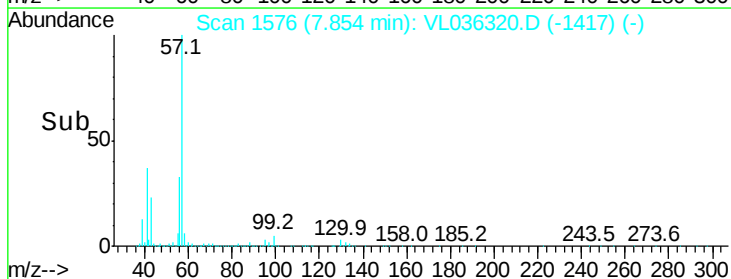
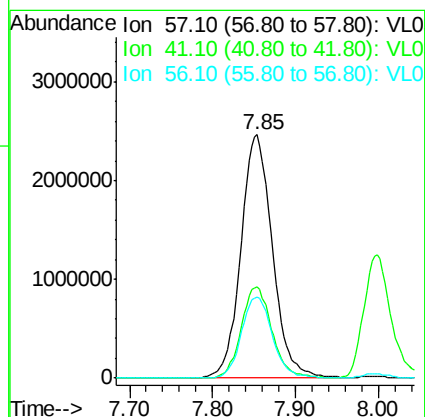
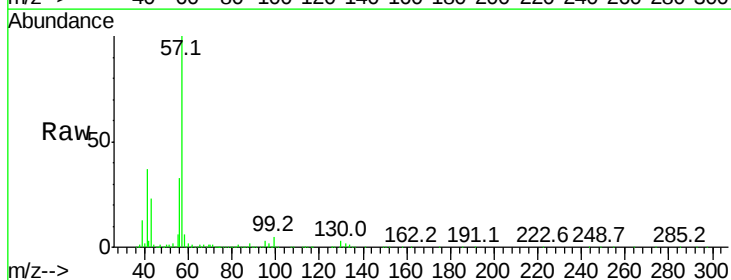
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

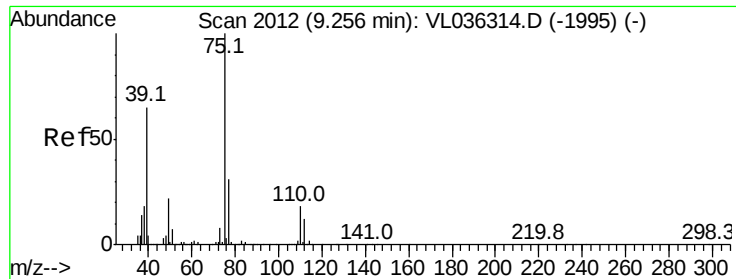
Tgt Ion: 69 Resp: 1810357
Ion Ratio Lower Upper
69 100
41 158.1 126.5 189.7
100 29.8 23.1 34.7



#44
2,2,4-Trimethylpentane
Concen: 11.082 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Tgt Ion: 57 Resp: 6526813
Ion Ratio Lower Upper
57 100
41 36.4 28.8 43.2
56 32.8 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 15.734 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

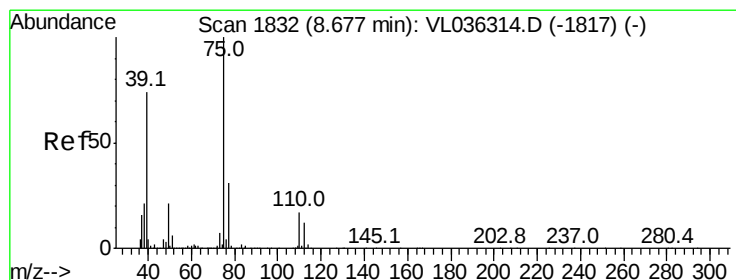
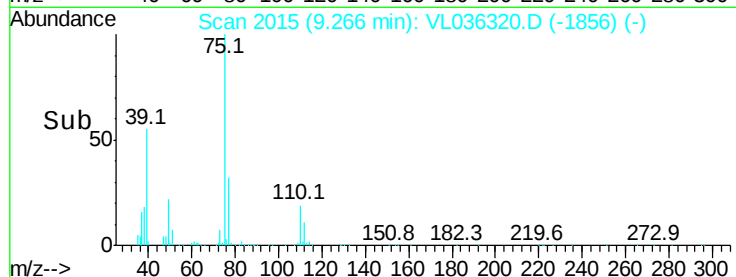
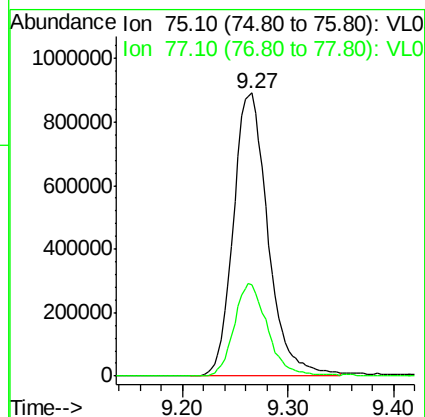
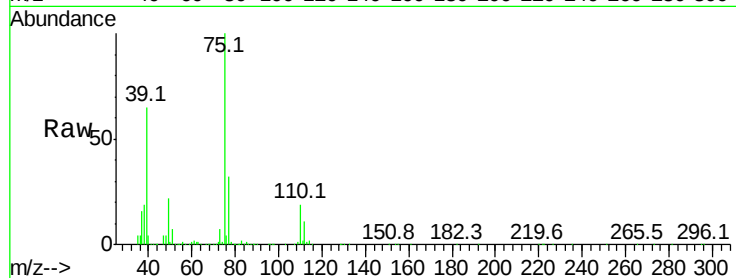
VSTDIC015

Tgt Ion: 75 Resp: 2036411

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 14.212 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

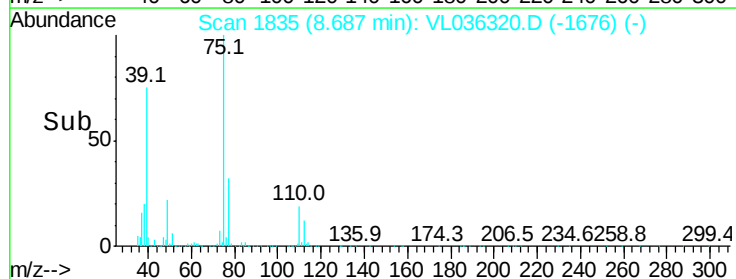
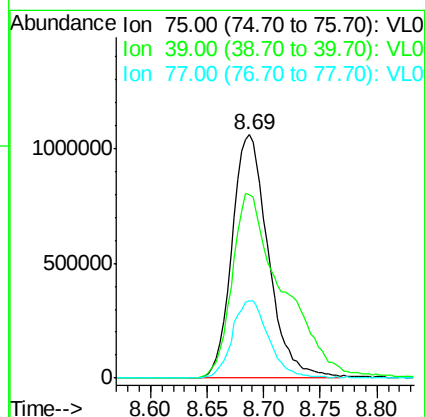
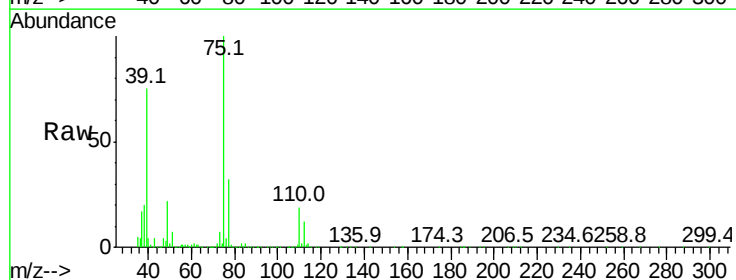
Tgt Ion: 75 Resp: 2363864

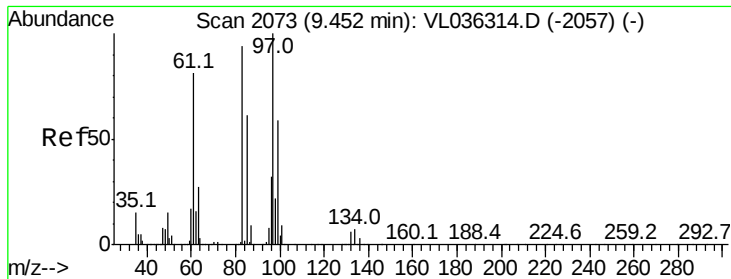
Ion Ratio Lower Upper

75 100

39 75.3 59.2 88.8

77 31.6 25.0 37.6

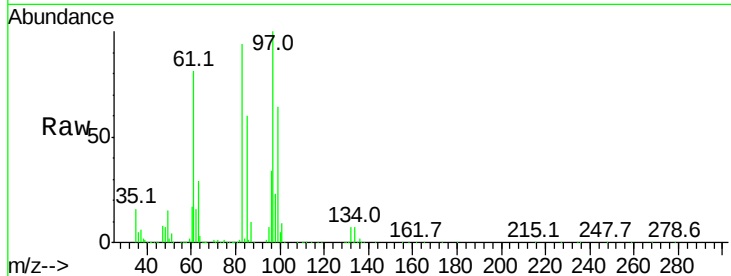




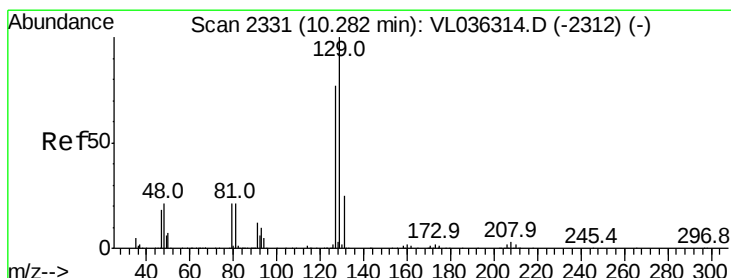
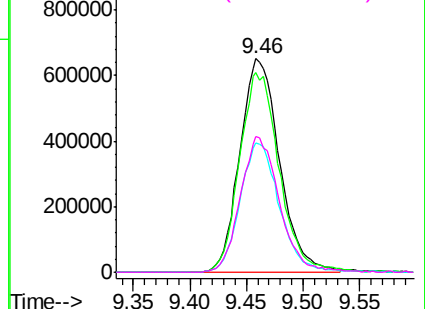
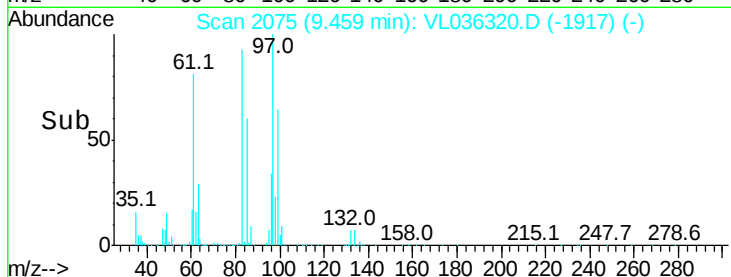
#47
 1,1,2-Trichloroethane
 Concen: 12.767 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.01 min
 Lab File: VL036320.D
 Acq: 10 Feb 2021 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 97 Resp: 1590104
 Ion Ratio Lower Upper
 97 100
 83 93.4 75.4 113.0
 85 60.4 48.9 73.3
 99 63.6 46.9 70.3

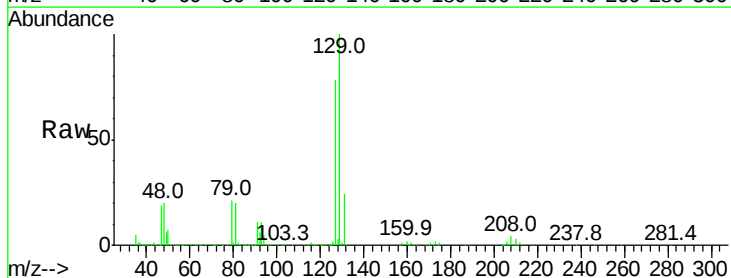


Abundance Ion 97.00 (96.70 to 97.70): VL0
 1000000 Ion 83.00 (82.70 to 83.70): VL0
 800000 Ion 85.00 (84.70 to 85.70): VL0
 600000 Ion 99.00 (98.70 to 99.70): VL0

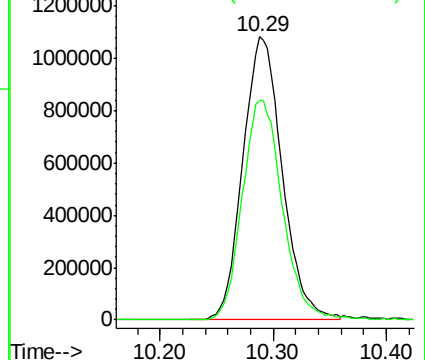
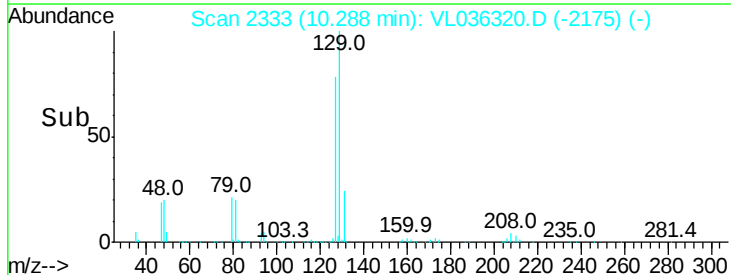


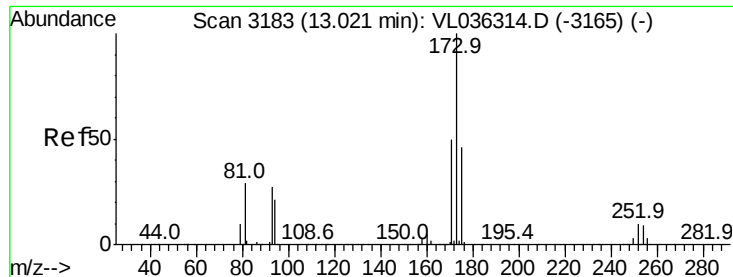
#48
 Dibromochloromethane
 Concen: 14.393 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VL036320.D
 Acq: 10 Feb 2021 15:19

Tgt Ion: 129 Resp: 2622796
 Ion Ratio Lower Upper
 129 100
 127 79.7 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 1200000 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 14.675 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

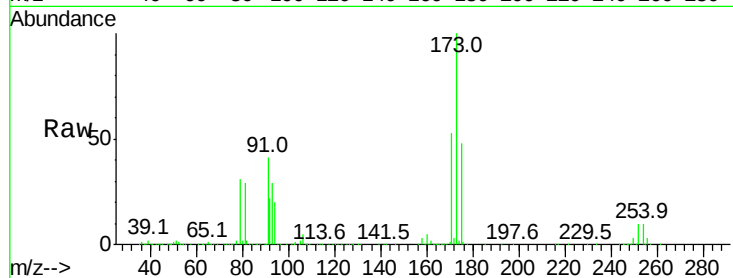
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:173 Resp: 2232107

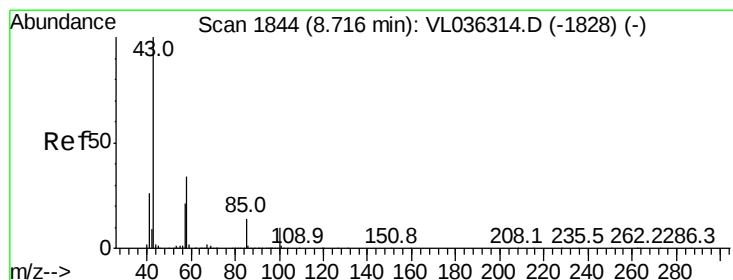
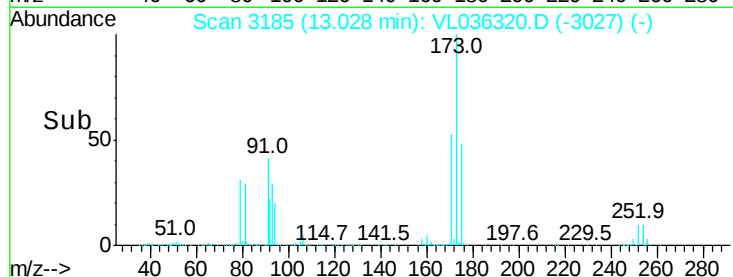
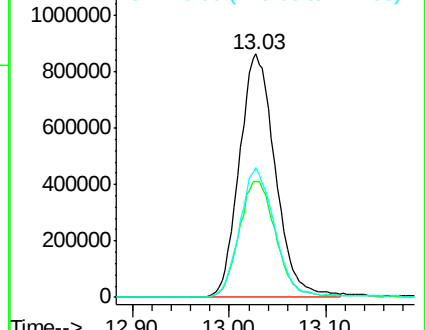
Ion	Ratio	Lower	Upper
173	100		
175	49.6	40.2	60.2
171	53.0	43.4	65.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 12.011 ppbv

RT: 8.73 min Scan# 1847

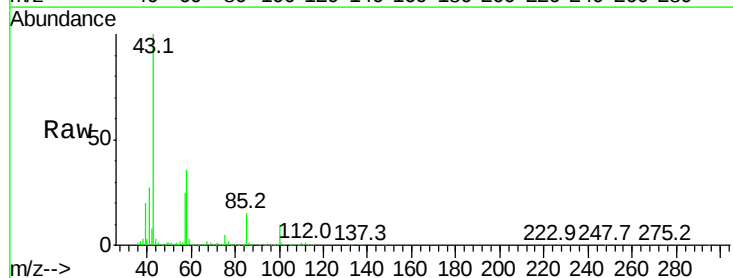
Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

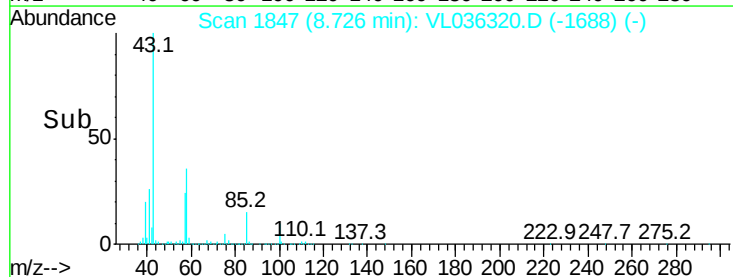
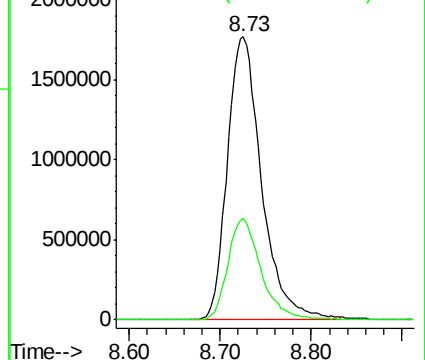
Tgt Ion: 43 Resp: 4615289

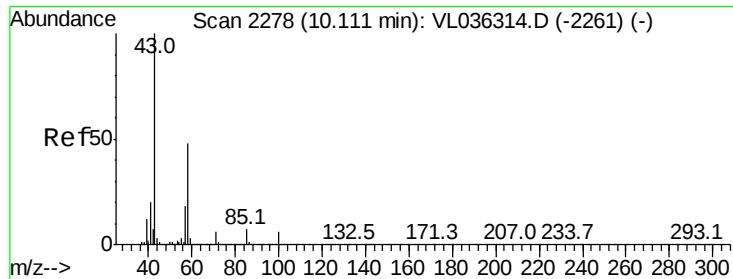
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.902 ppbv

RT: 10.12 min Scan# 2280

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

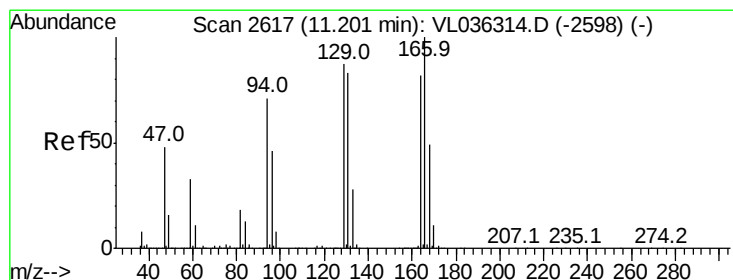
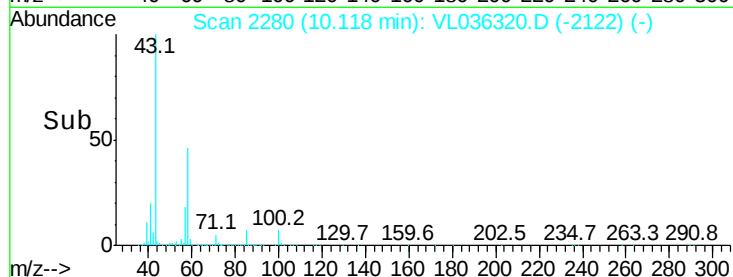
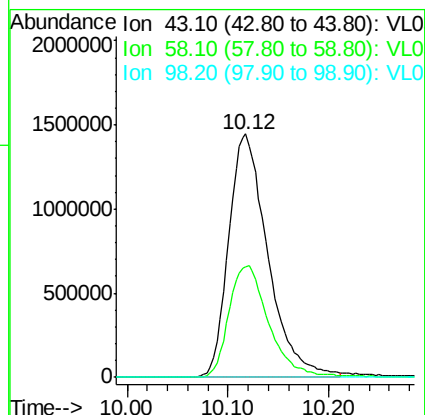
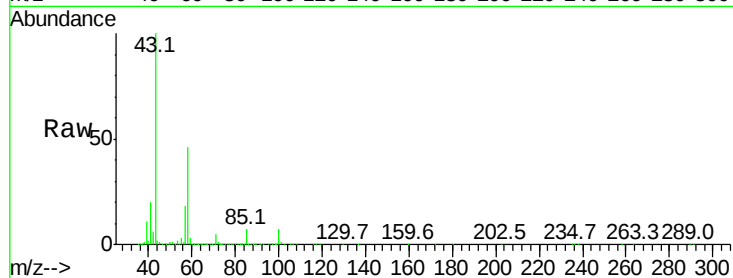
Tgt Ion: 43 Resp: 3911306

Ion Ratio Lower Upper

43 100

58 47.4 38.7 58.1

98 0.4 0.4 0.6#



#52

Tetrachloroethene

Concen: 10.857 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Tgt Ion: 164 Resp: 1282926

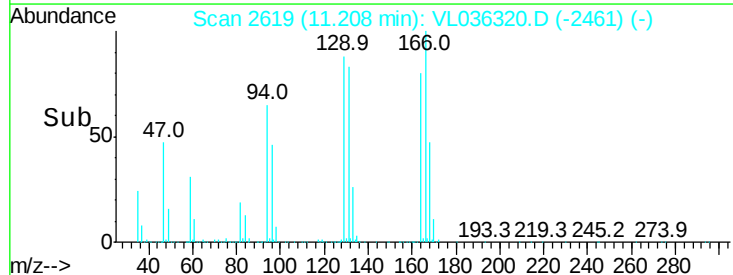
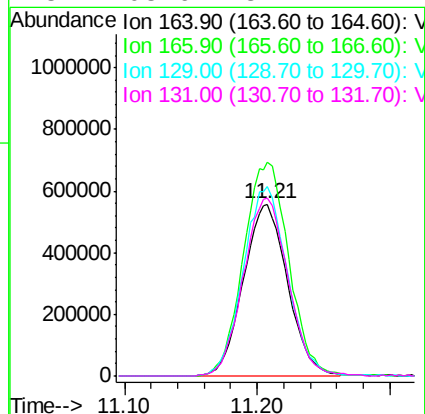
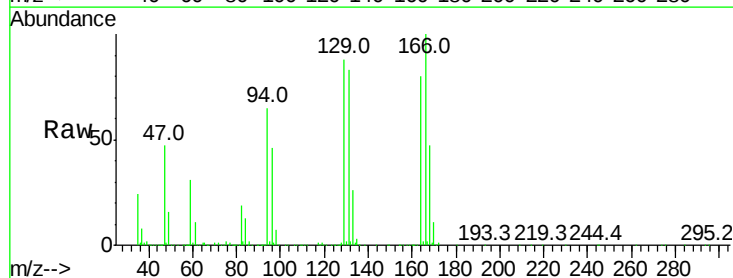
Ion Ratio Lower Upper

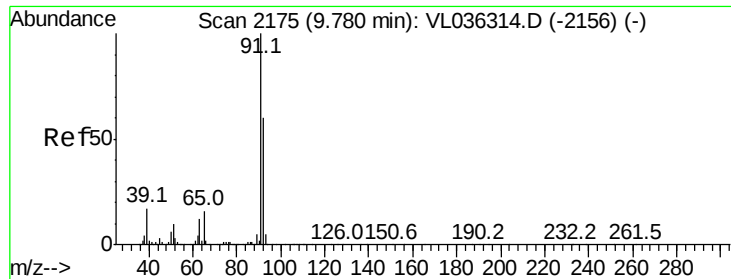
164 100

166 124.3 97.8 146.8

129 109.8 84.9 127.3

131 103.6 81.4 122.2





#53

Toluene

Concen: 12.219 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

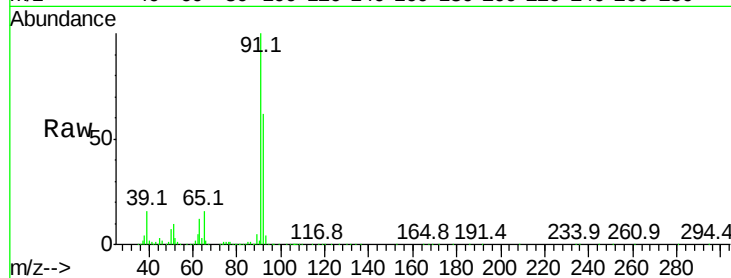
VSTDIC015

Tgt Ion: 91 Resp: 4382703

Ion Ratio Lower Upper

91 100

92 62.1 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.79

2000000

1500000

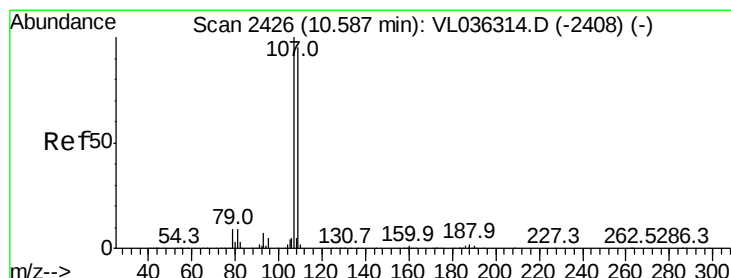
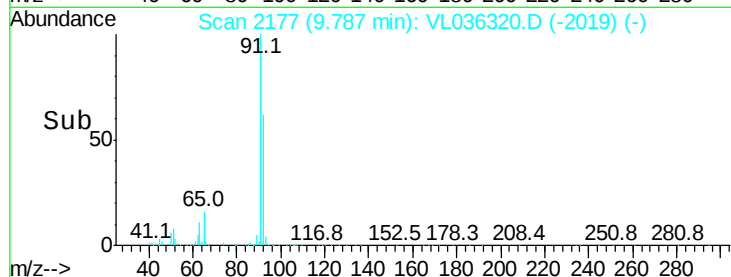
1000000

500000

0

Time-->

9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 12.921 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL036320.D

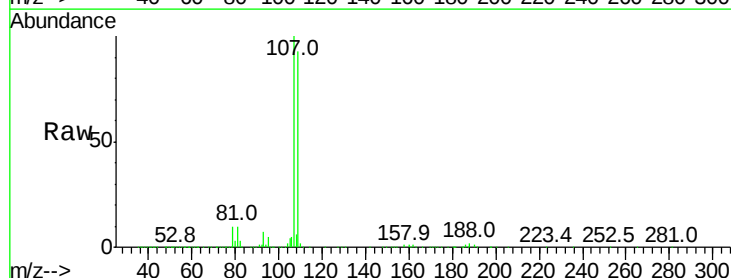
Acq: 10 Feb 2021 15:19

Tgt Ion: 107 Resp: 2385607

Ion Ratio Lower Upper

107 100

109 92.8 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.59

1000000

800000

600000

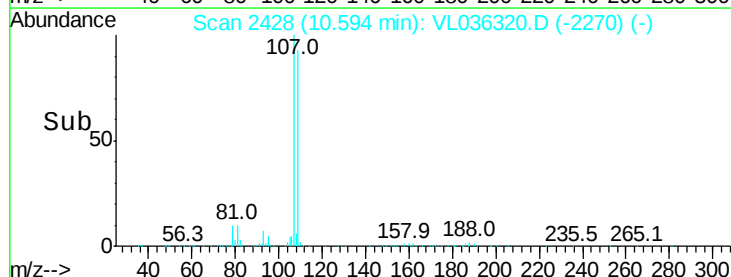
400000

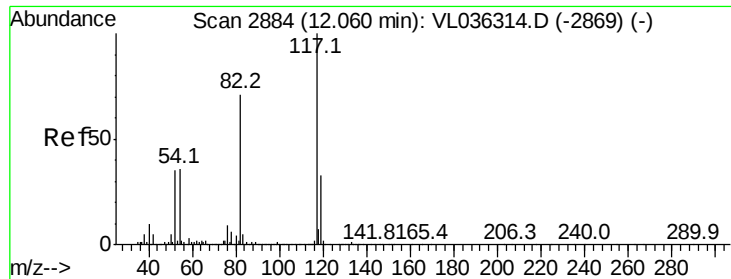
200000

0

Time-->

10.50 10.60 10.70

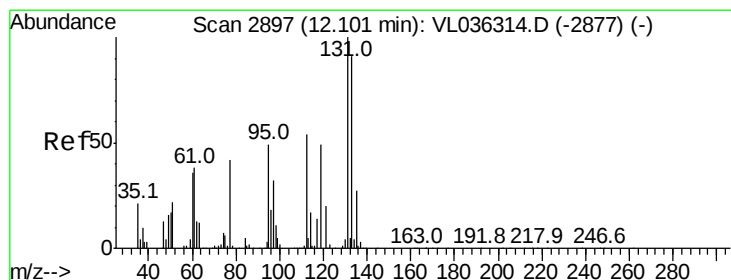
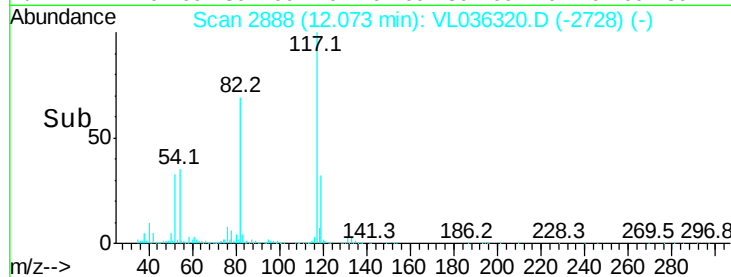
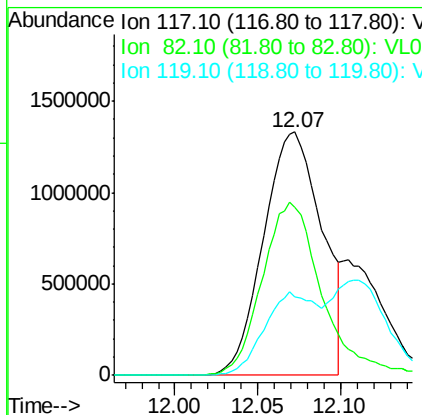
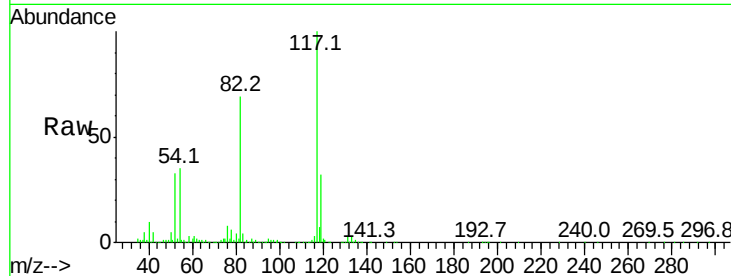




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

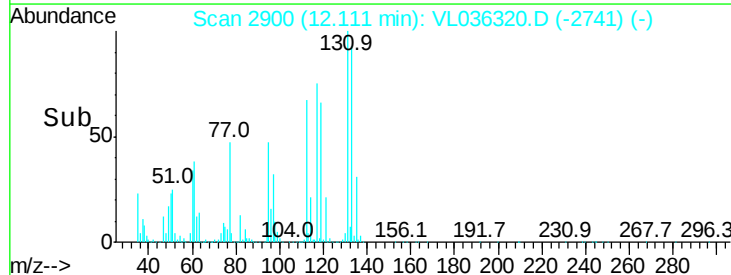
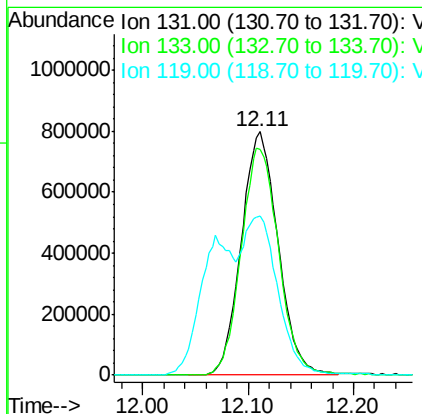
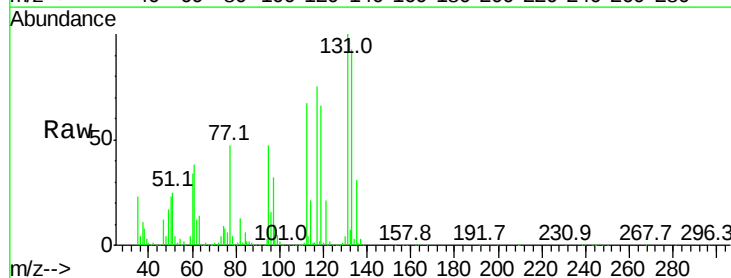
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

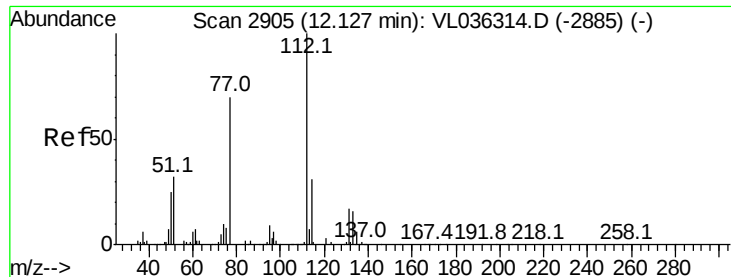
Tgt Ion:117 Resp: 3260602
Ion Ratio Lower Upper
117 100
82 73.8 59.1 88.7
119 0.0 46.3 69.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 13.275 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Tgt Ion:131 Resp: 1931636
Ion Ratio Lower Upper
131 100
133 95.5 76.0 114.0
119 116.8 115.1 172.7





#57

Chlorobenzene

Concen: 12.262 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

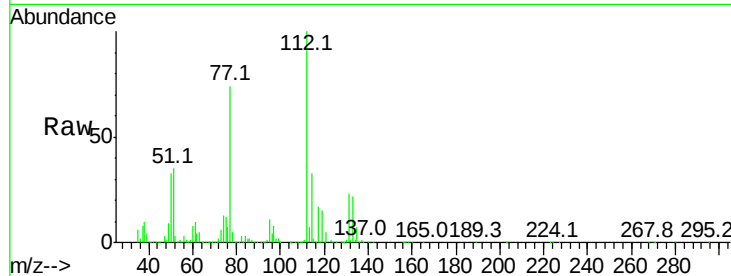
Tgt Ion:112 Resp: 3136775

Ion Ratio Lower Upper

112 100

77 73.0 56.1 84.1

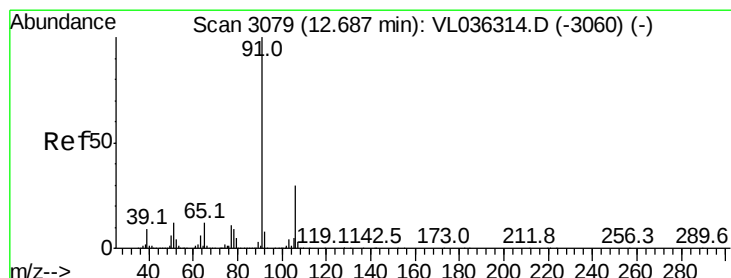
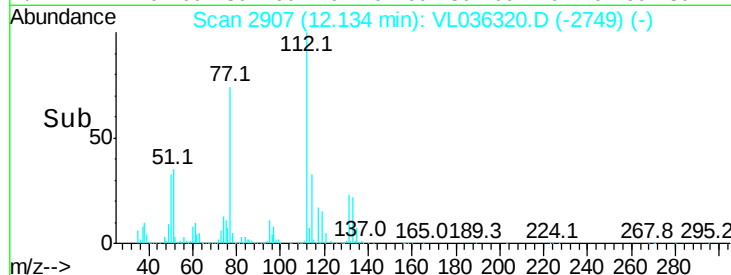
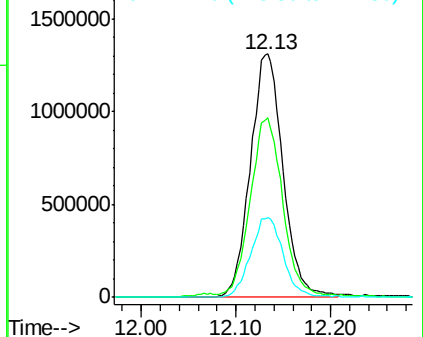
114 32.5 28.3 34.5



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: 12.319 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL036320.D

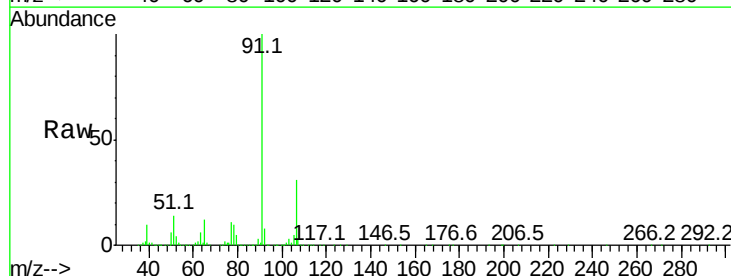
Acq: 10 Feb 2021 15:19

Tgt Ion: 91 Resp: 5960631

Ion Ratio Lower Upper

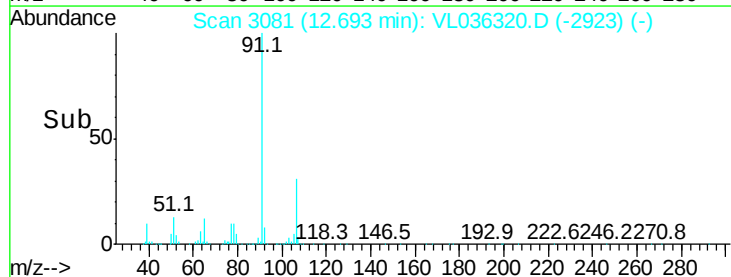
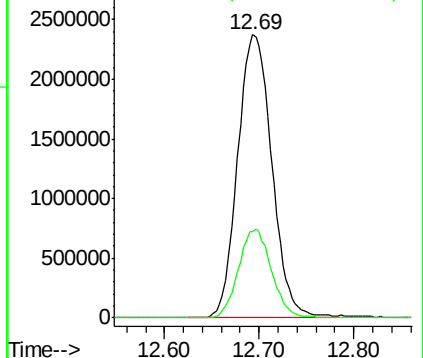
91 100

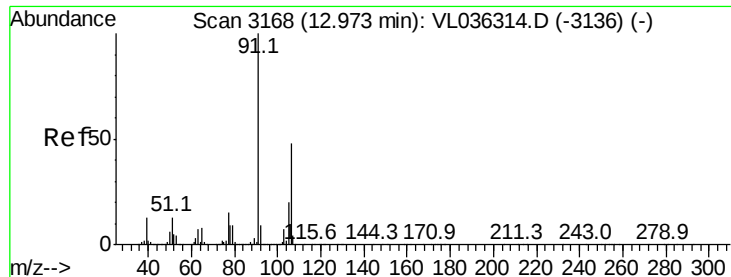
106 30.7 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

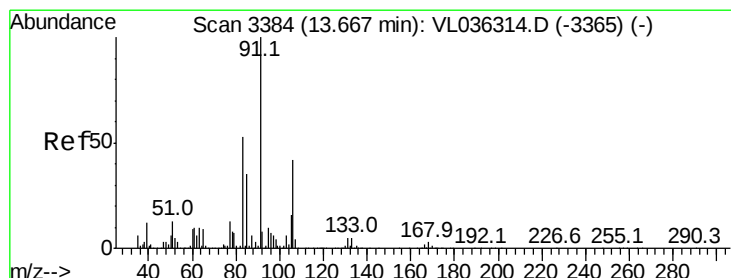
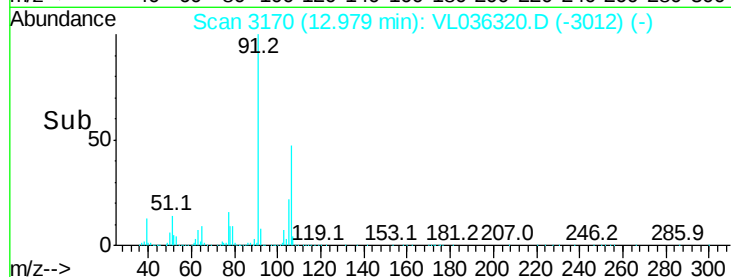
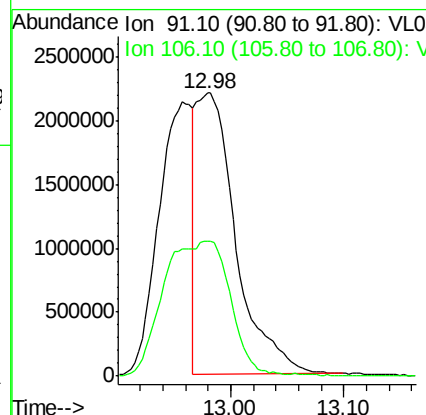
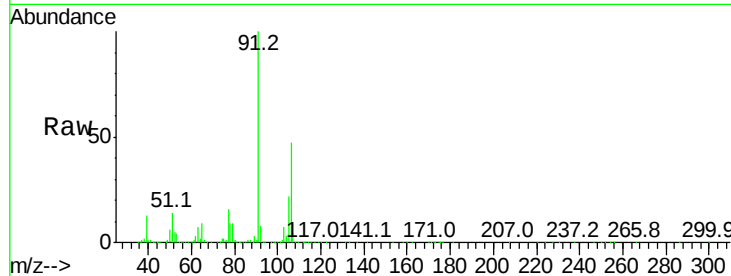




#59
m/p-Xylene
Concen: 12.850 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

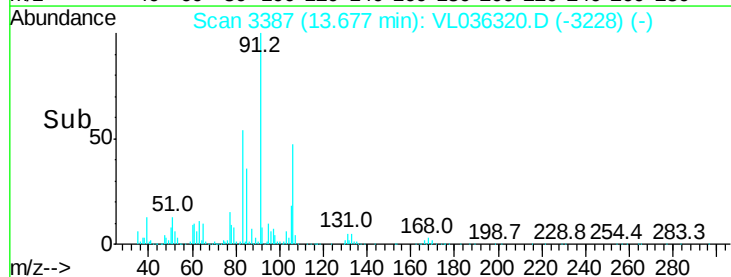
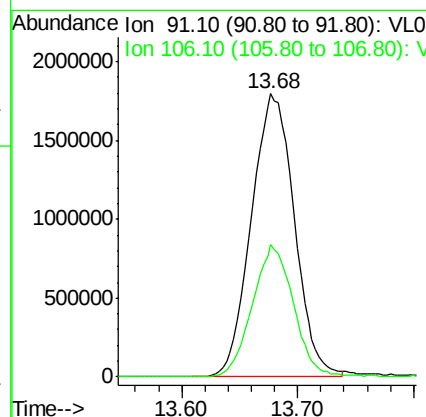
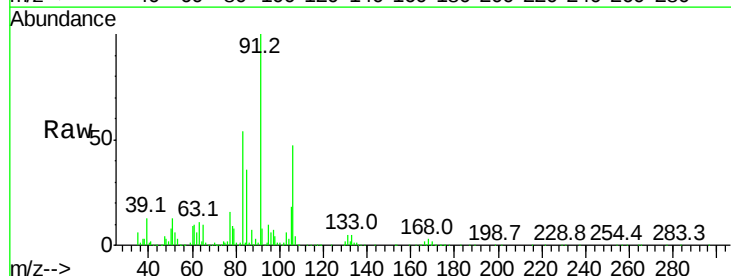
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

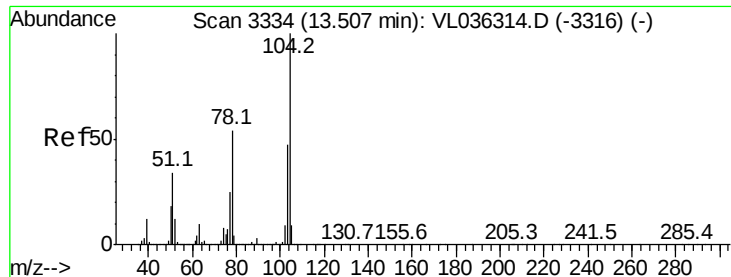
Tgt Ion: 91 Resp: 5342398
Ion Ratio Lower Upper
91 100
106 81.5 34.2 51.2#



#60
o-Xylene
Concen: 11.549 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Tgt Ion: 91 Resp: 4628477
Ion Ratio Lower Upper
91 100
106 44.7 22.0 66.0





#61

Styrene

Concen: 13.564 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

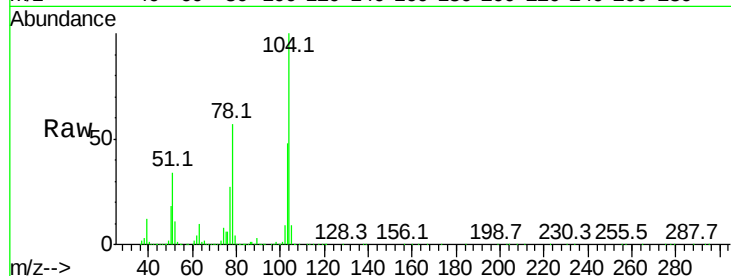
Tgt Ion:104 Resp: 3432472

Ion Ratio Lower Upper

104 100

78 58.5 46.2 69.2

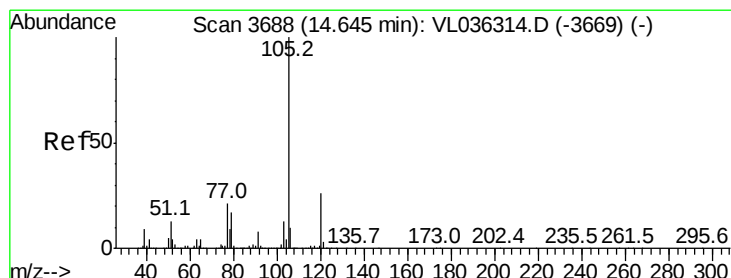
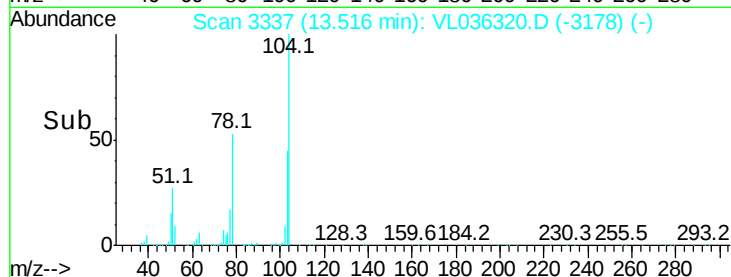
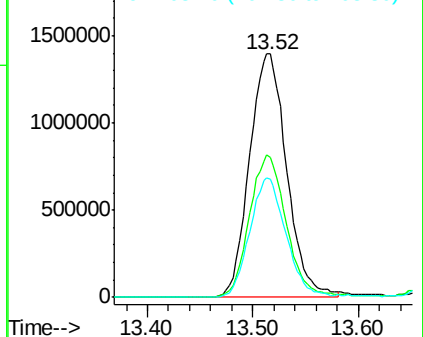
103 48.3 38.3 57.5



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: 11.611 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VL036320.D

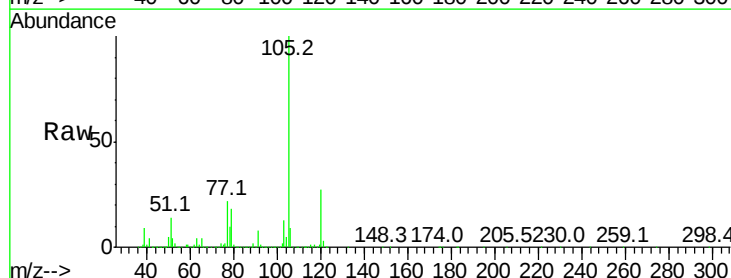
Acq: 10 Feb 2021 15:19

Tgt Ion:105 Resp: 6918402

Ion Ratio Lower Upper

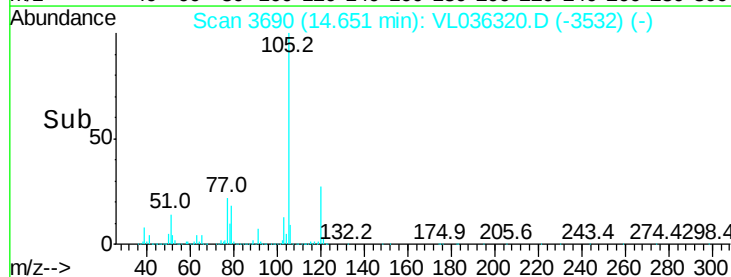
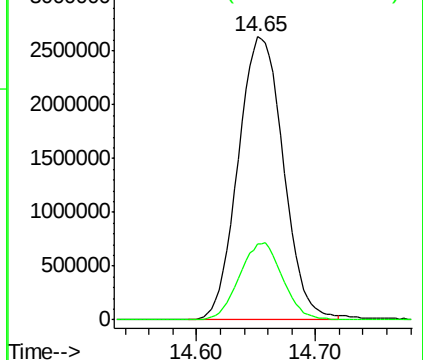
105 100

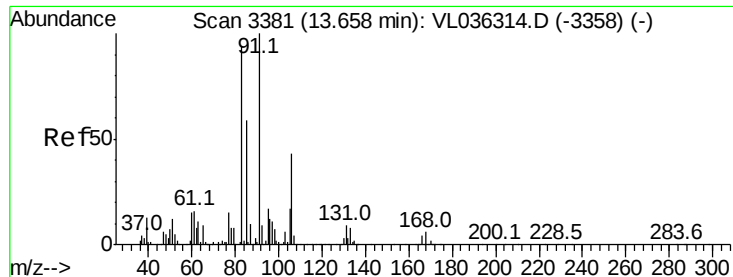
120 26.4 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

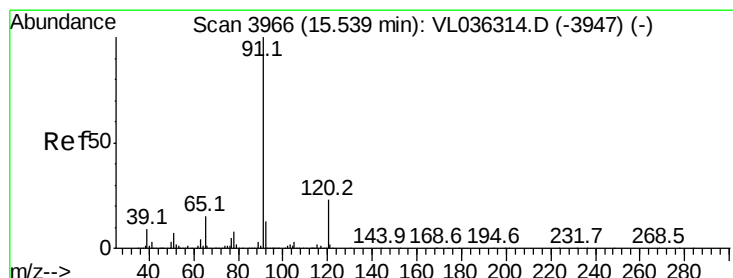
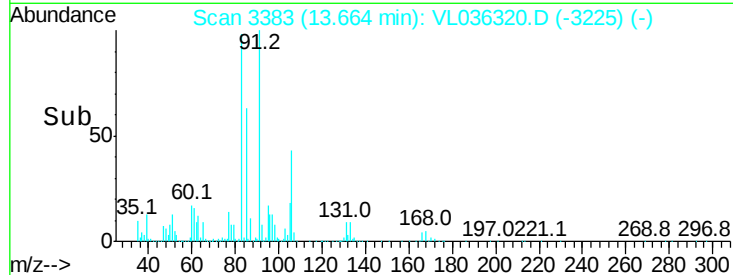
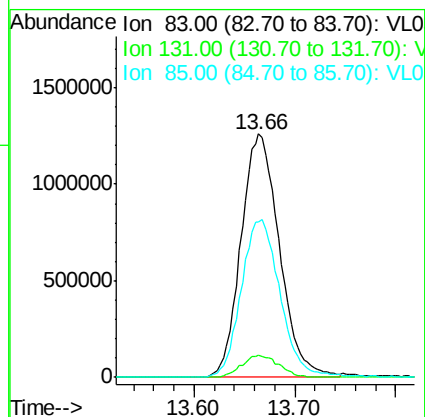
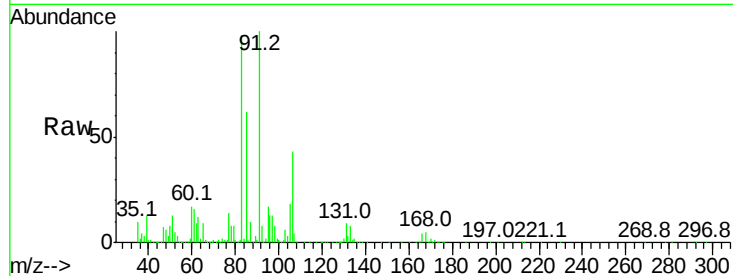




#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.161 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. 0.01 min
 Lab File: VL036320.D
 Acq: 10 Feb 2021 15:19

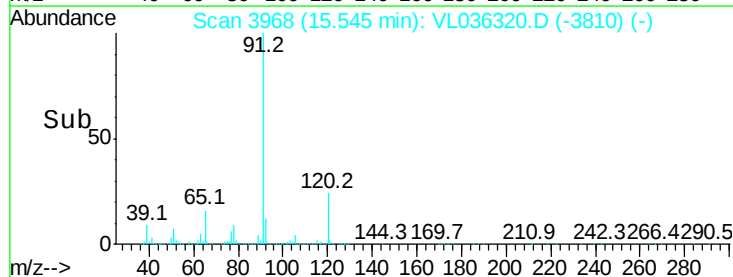
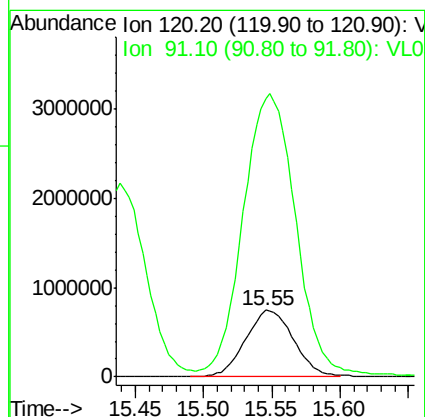
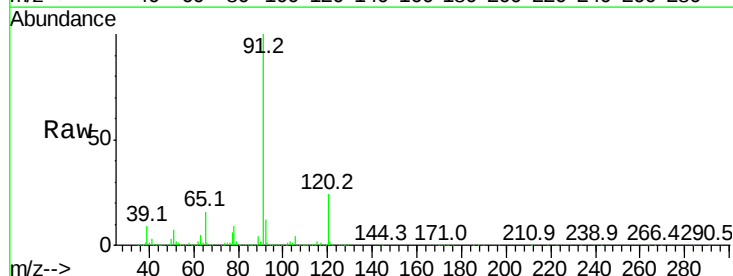
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

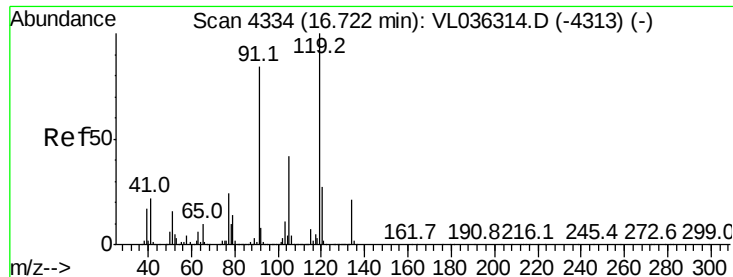
Tgt Ion: 83 Resp: 3330405
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.7 14.0
 85 66.2 33.0 98.9



#64
 n-propylbenzene
 Concen: 12.528 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. 0.01 min
 Lab File: VL036320.D
 Acq: 10 Feb 2021 15:19

Tgt Ion: 120 Resp: 1834060
 Ion Ratio Lower Upper
 120 100
 91 465.7 387.2 580.8

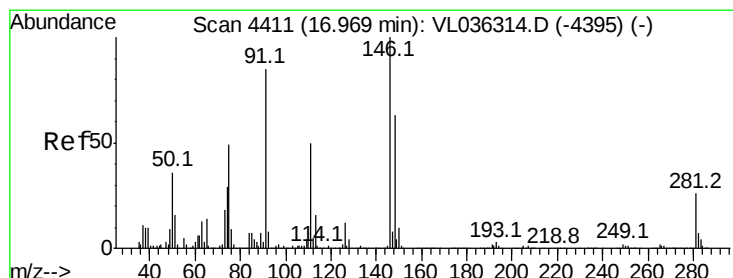
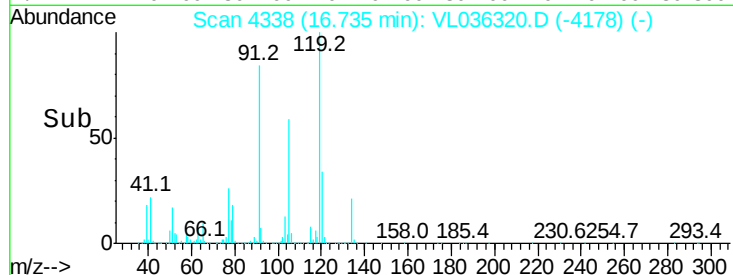
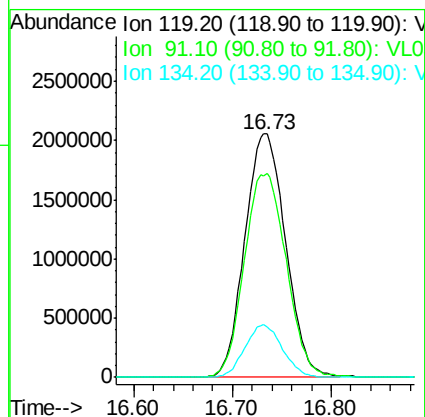
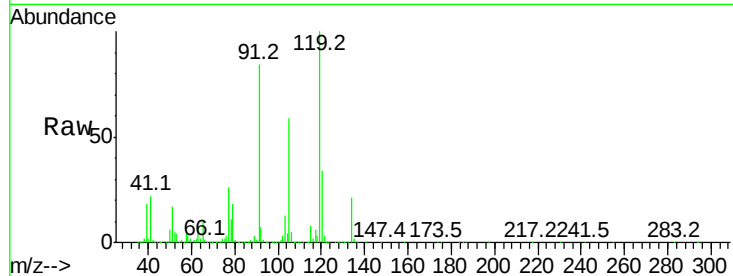




#65
tert-Butylbenzene
Concen: 11.627 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

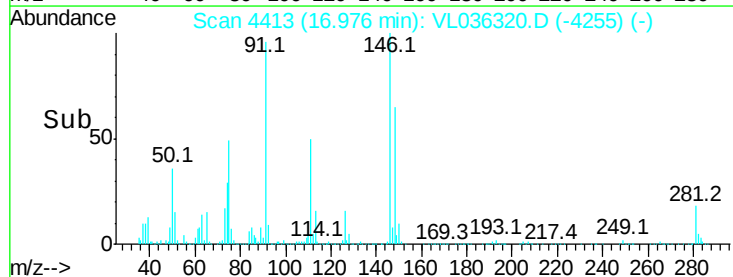
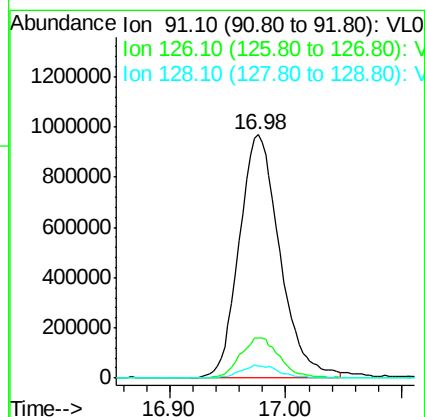
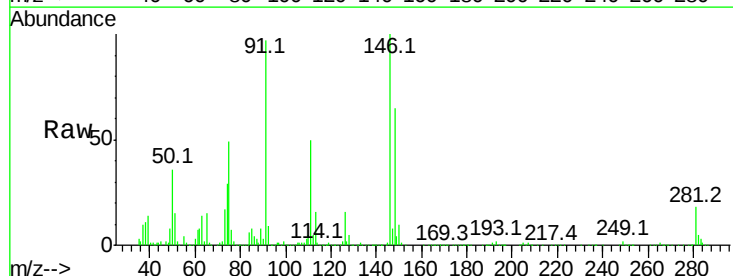
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

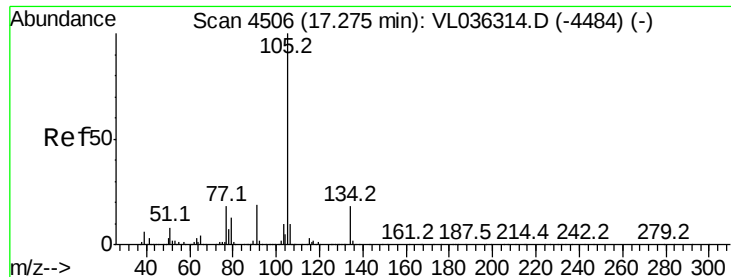
Tgt Ion:119 Resp: 5870434
Ion Ratio Lower Upper
119 100
91 86.5 70.5 105.7
134 19.9 15.8 23.8



#66
Benzyl Chloride
Concen: 18.220 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. 0.01 min
Lab File: VL036320.D
Acq: 10 Feb 2021 15:19

Tgt Ion: 91 Resp: 2350176
Ion Ratio Lower Upper
91 100
126 16.4 12.9 19.3
128 5.1 4.2 6.2





#67

sec-Butylbenzene

Concen: 11.143 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

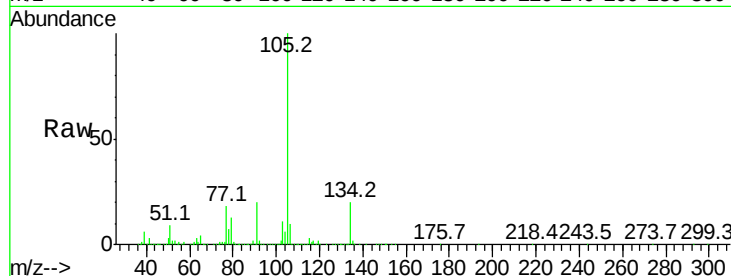
VSTDIC015

Tgt Ion: 105 Resp: 8351156

Ion Ratio Lower Upper

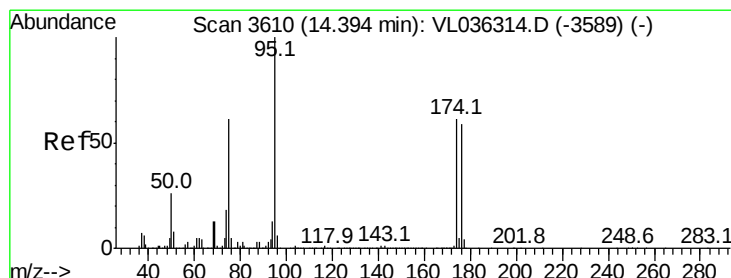
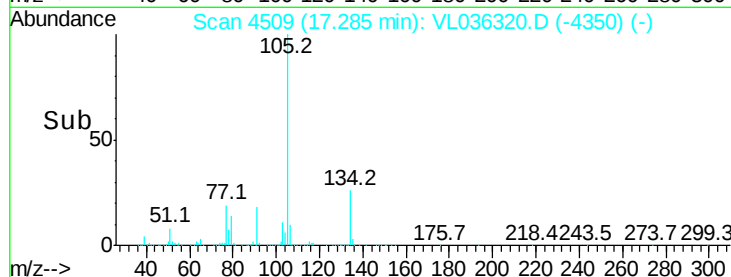
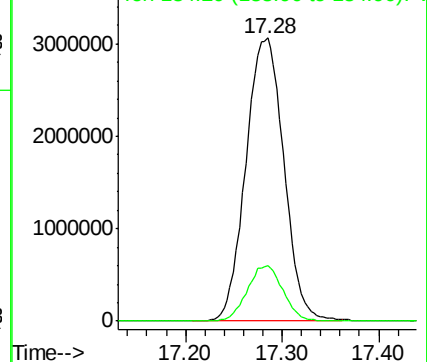
105 100

134 18.6 14.2 21.4



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: 10.306 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

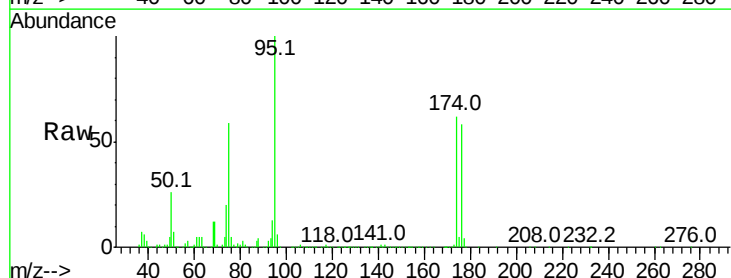
Tgt Ion: 95 Resp: 2781443

Ion Ratio Lower Upper

95 100

174 62.0 49.8 74.6

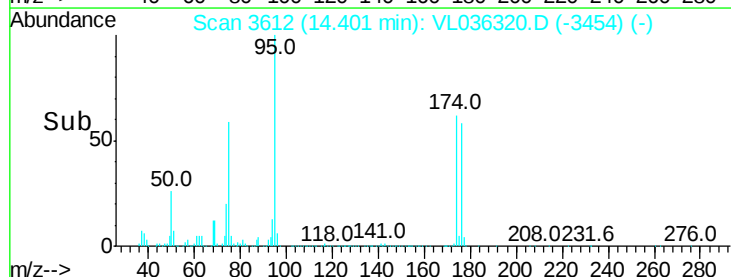
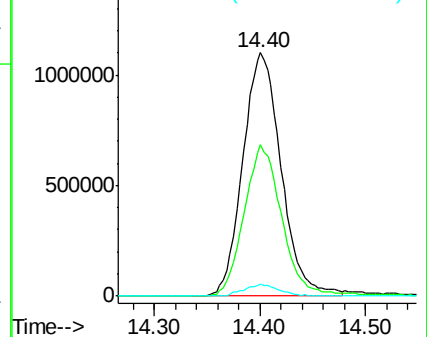
175 4.6 3.7 5.5

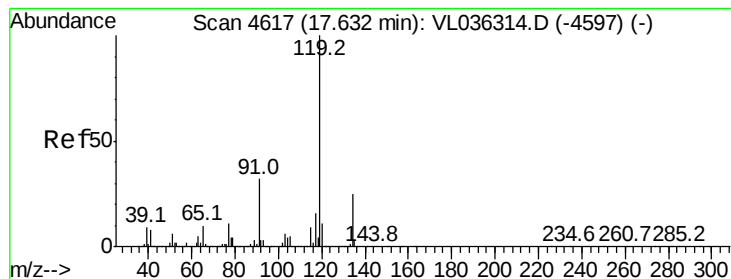


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 11.639 ppbv

RT: 17.64 min Scan# 4619

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

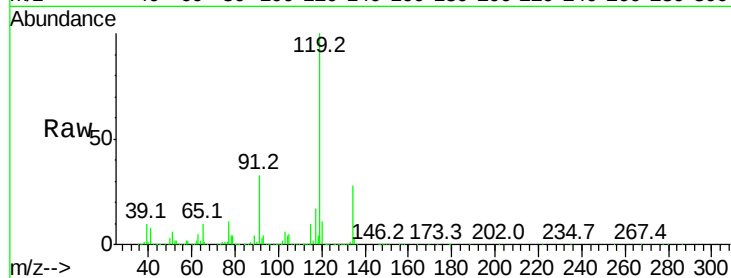
Tgt Ion: 119 Resp: 6918008

Ion Ratio Lower Upper

119 100

134 26.1 20.1 30.1

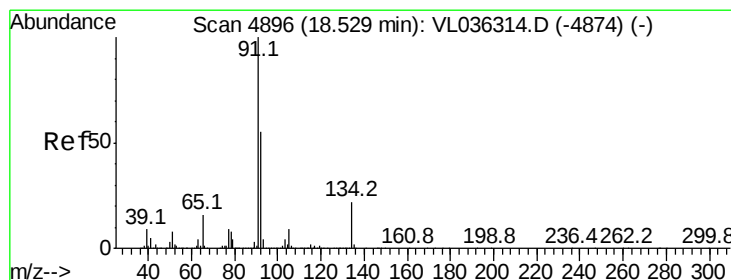
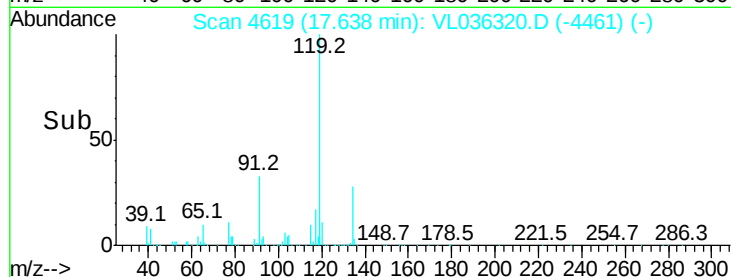
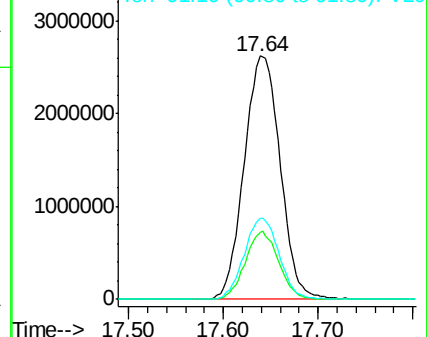
91 32.3 25.8 38.6



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: 11.477 ppbv

RT: 18.54 min Scan# 4899

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

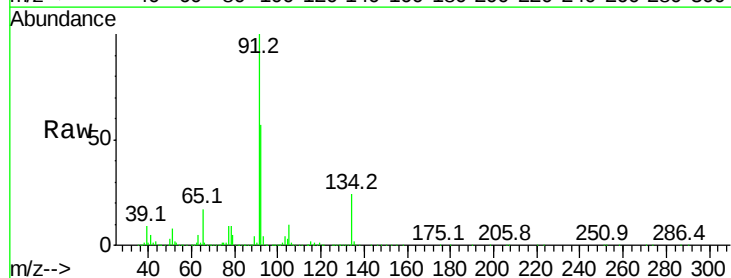
Tgt Ion: 91 Resp: 7268971

Ion Ratio Lower Upper

91 100

92 56.0 43.7 65.5

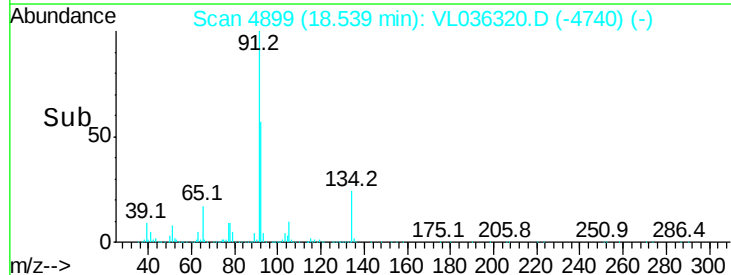
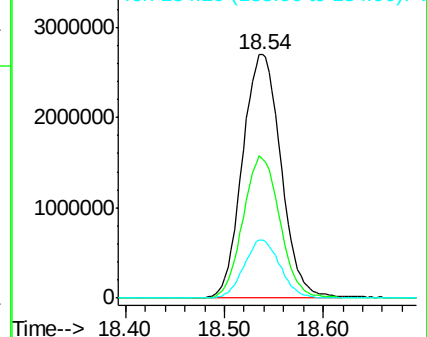
134 22.5 17.4 26.0

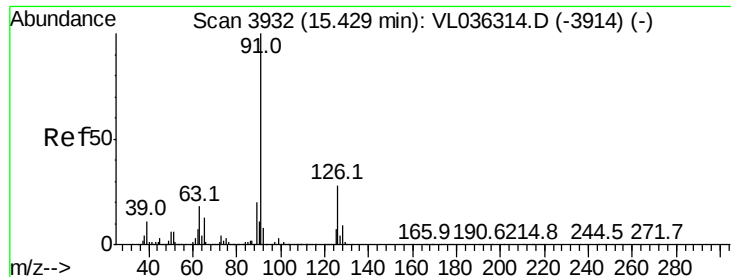


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 11.781 ppbv

RT: 15.44 min Scan# 3935

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

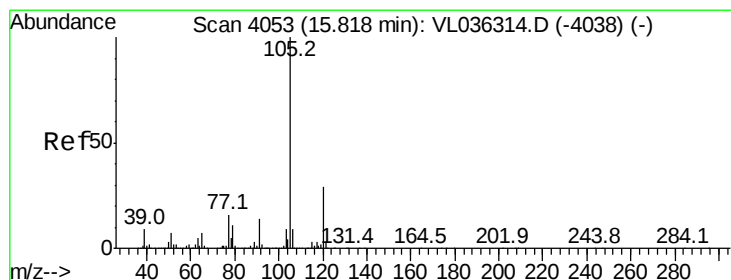
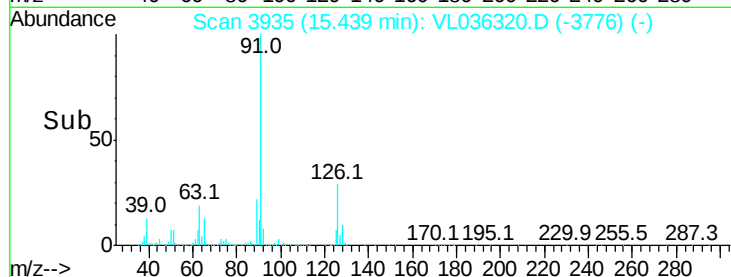
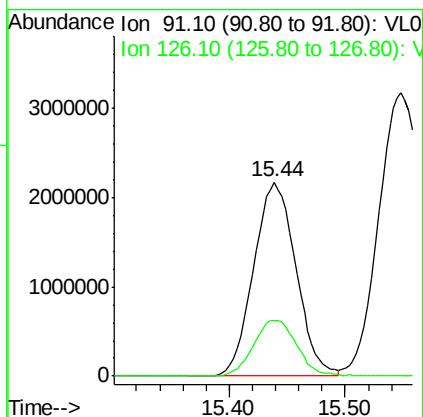
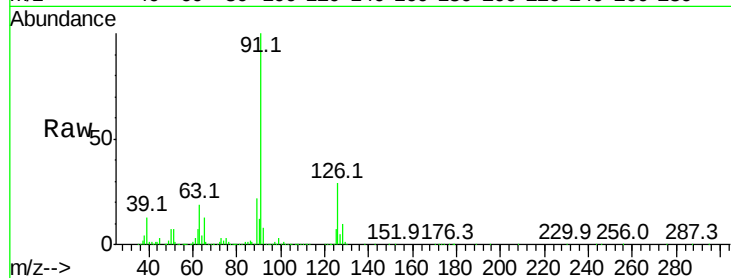
VSTDIC015

Tgt Ion: 91 Resp: 5517366

Ion Ratio Lower Upper

91 100

126 29.6 11.5 46.1



#72

4-Ethyltoluene

Concen: 12.353 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Tgt Ion: 105 Resp: 5586439

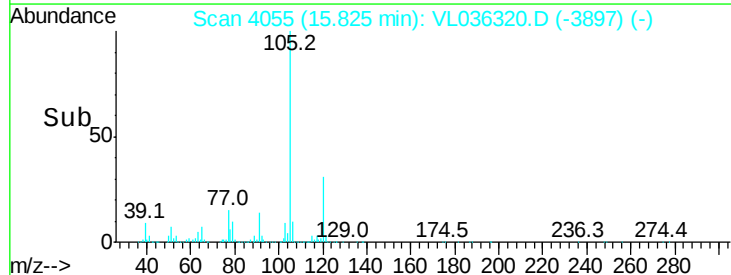
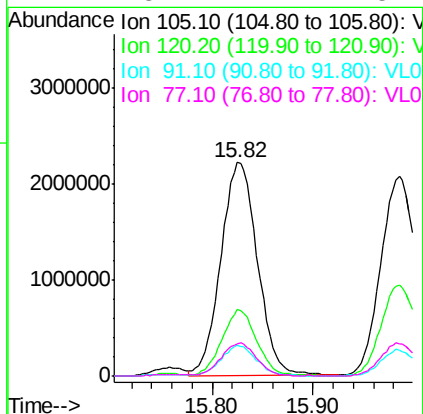
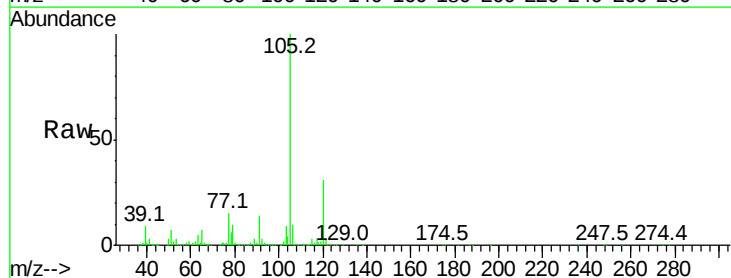
Ion Ratio Lower Upper

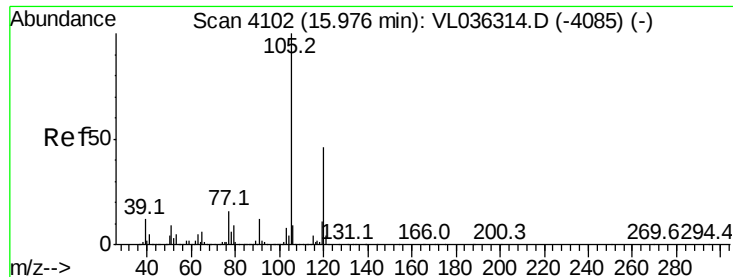
105 100

120 30.8 23.2 34.8

91 13.5 11.0 16.4

77 15.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 12.044 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

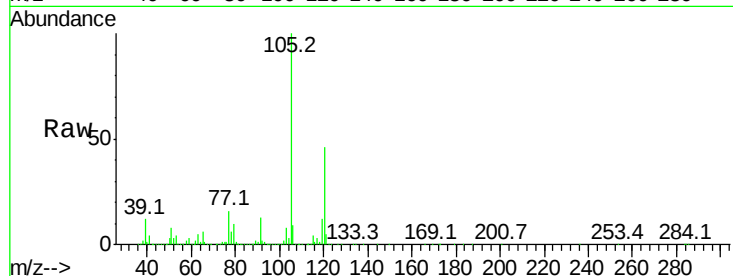
VSTDIC015

Tgt Ion:105 Resp: 5192328

Ion Ratio Lower Upper

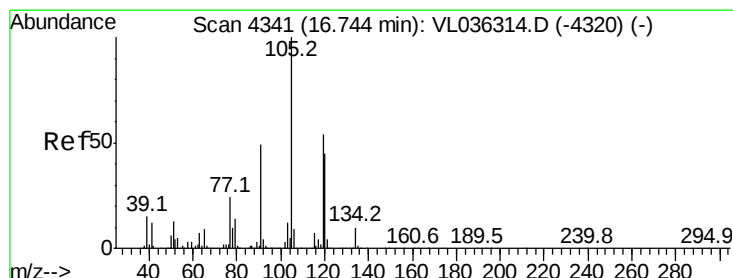
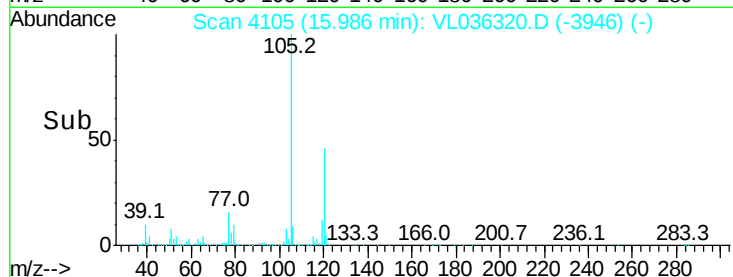
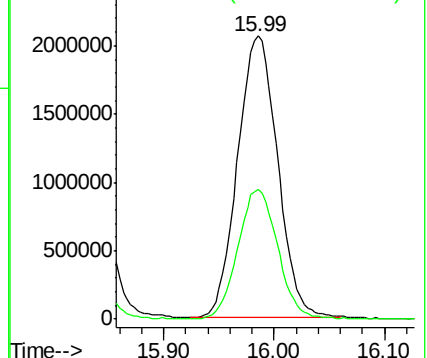
105 100

120 45.9 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 11.617 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Tgt Ion:105 Resp: 5137126

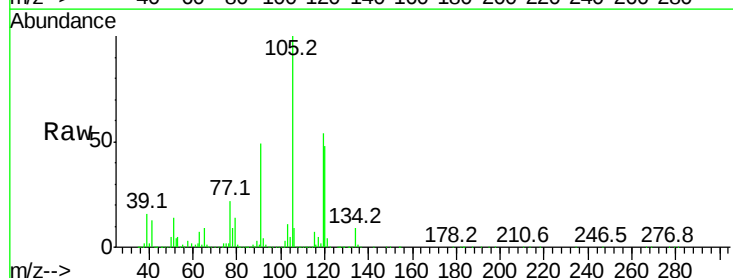
Ion Ratio Lower Upper

105 100

120 47.9 35.8 53.6

91 48.6 39.8 59.6

77 22.1 19.1 28.7

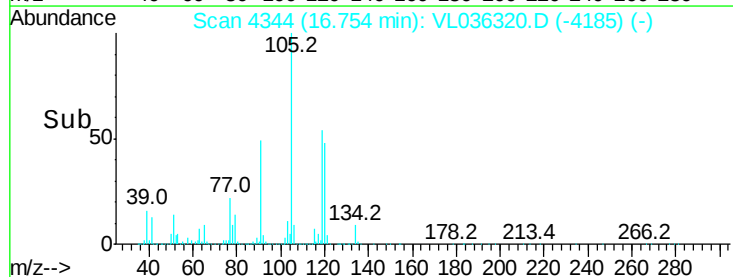
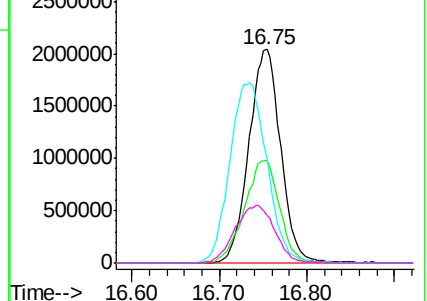


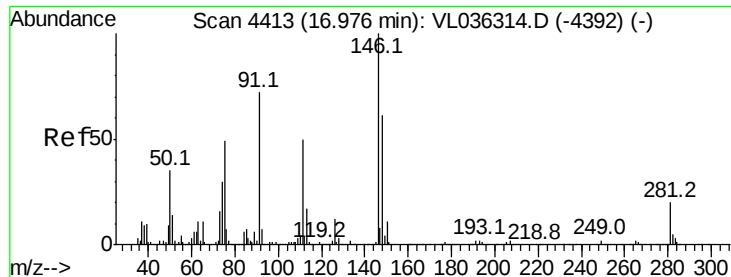
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 11.977 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

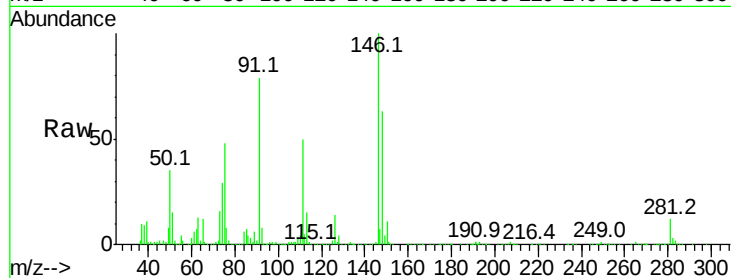
Tgt Ion:146 Resp: 2840700

Ion Ratio Lower Upper

146 100

111 50.5 24.9 74.6

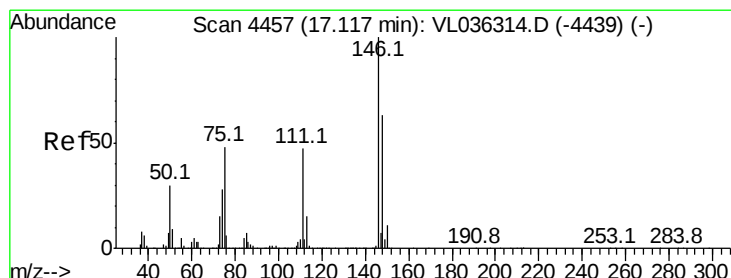
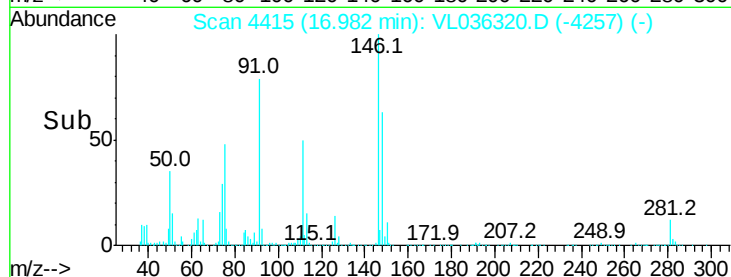
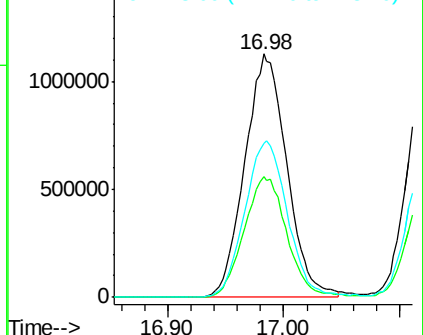
148 65.4 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 12.309 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

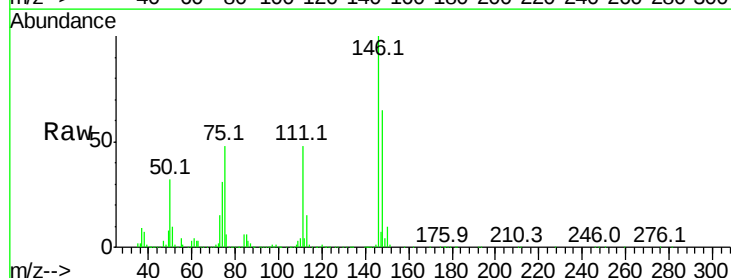
Tgt Ion:146 Resp: 2884148

Ion Ratio Lower Upper

146 100

111 49.3 23.6 71.0

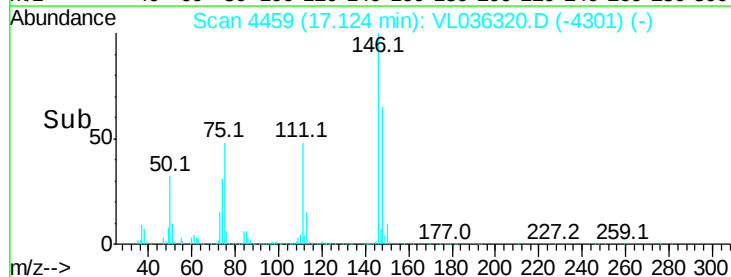
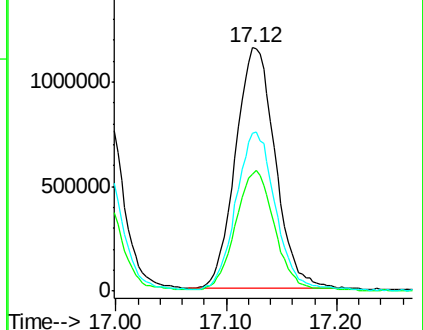
148 66.1 31.6 95.0

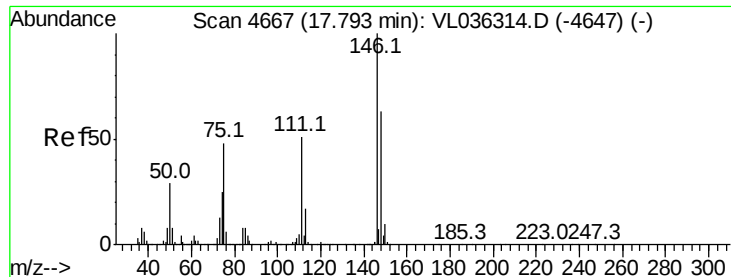


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 12.105 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. 0.02 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

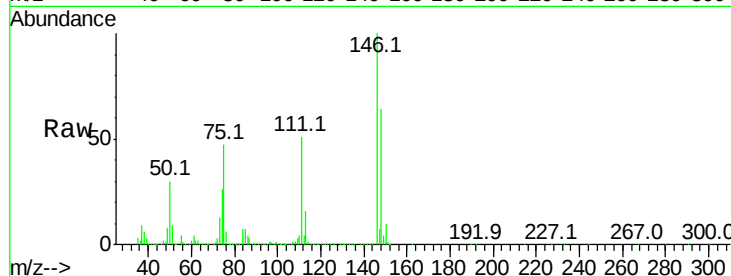
Tgt Ion:146 Resp: 2804202

Ion Ratio Lower Upper

146 100

111 52.4 25.9 77.8

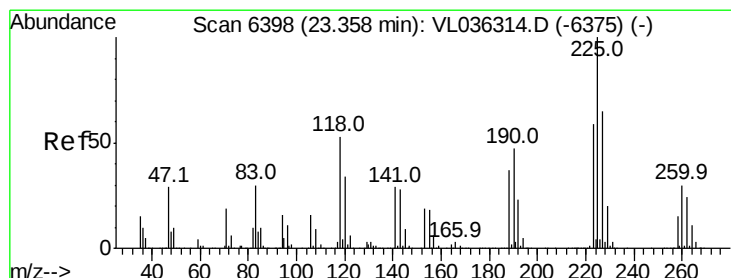
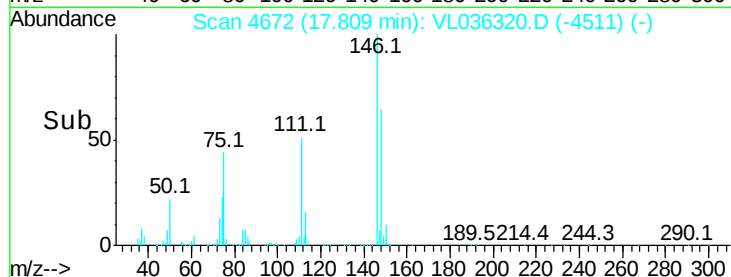
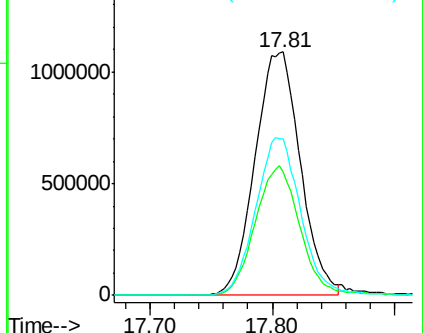
148 64.6 32.5 97.4



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: 10.882 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

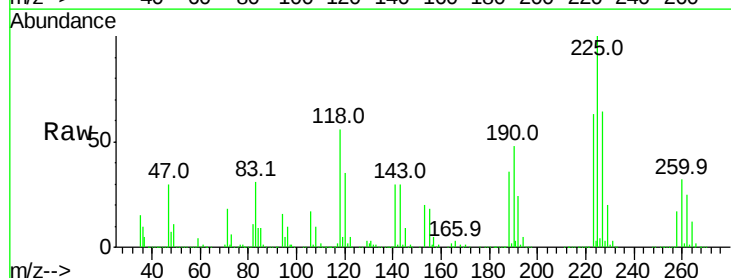
Tgt Ion:225 Resp: 2016304

Ion Ratio Lower Upper

225 100

223 64.3 50.8 76.2

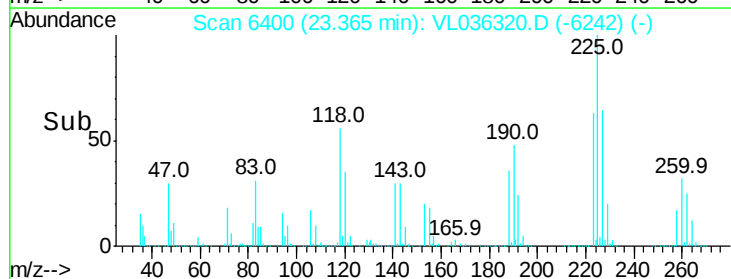
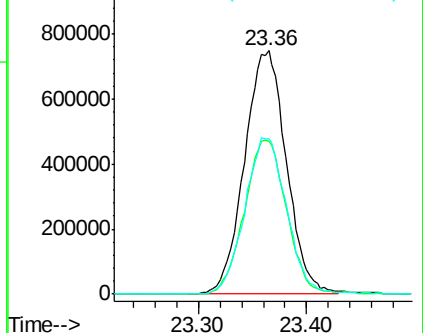
227 64.4 52.2 78.2

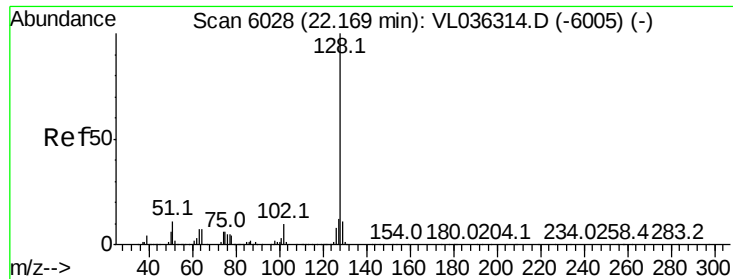


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 15.497 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

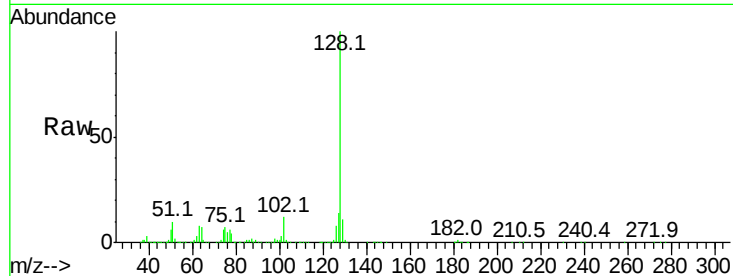
Tgt Ion:128 Resp: 4005812

Ion Ratio Lower Upper

128 100

127 14.4 9.6 14.4#

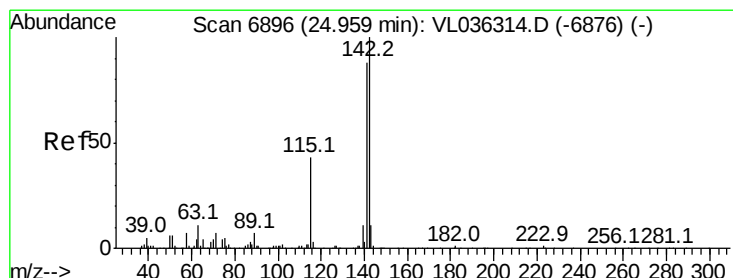
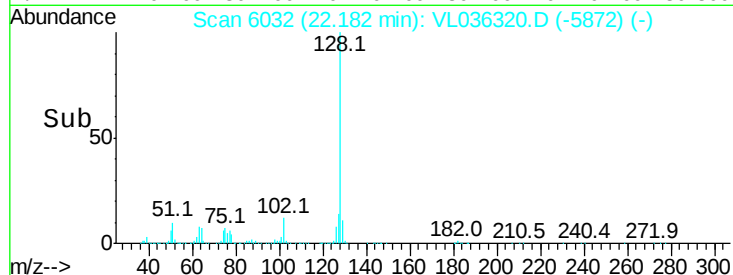
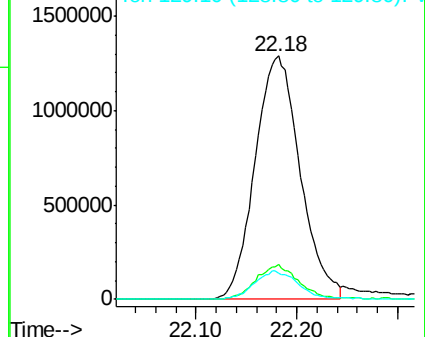
129 10.9 8.5 12.7



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: 17.715 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.01 min

Lab File: VL036320.D

Acq: 10 Feb 2021 15:19

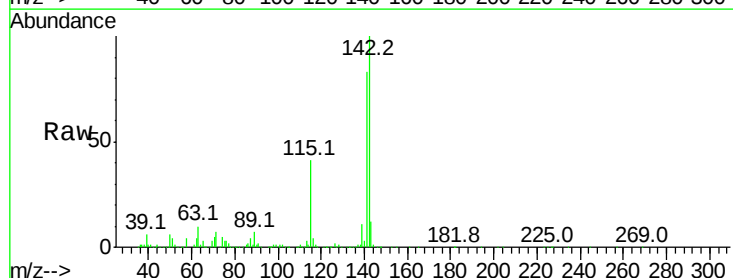
Tgt Ion:142 Resp: 977068

Ion Ratio Lower Upper

142 100

141 87.7 64.4 96.6

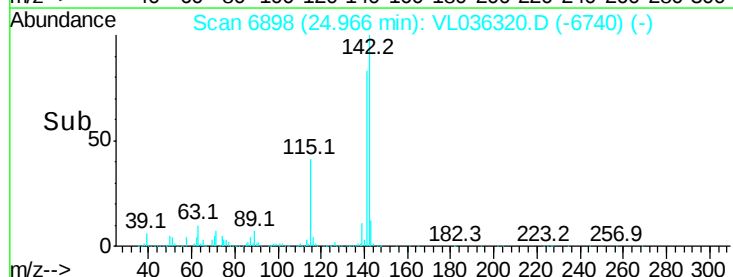
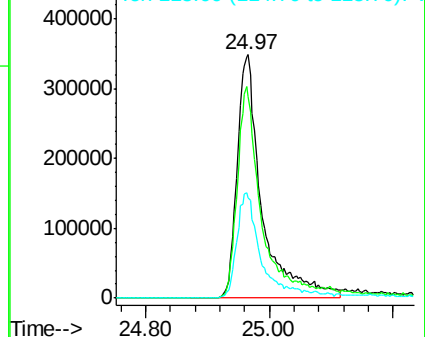
115 44.0 34.6 51.8

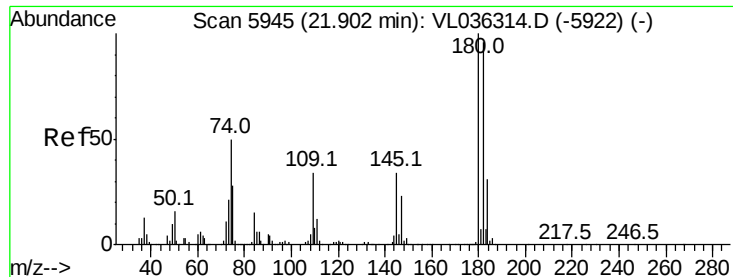


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 14.018 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. 0.01 min
 Lab File: VL036320.D
 Acq: 10 Feb 2021 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 2115466
 Ion Ratio Lower Upper
 180 100
 182 100.2 80.2 120.4
 184 31.5 25.0 37.6

