

Data File : VL036439.D

Acq On : 3 Mar 2021 13:24

Operator : SY/AP

Sample : VSTDICC015

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Quant Time: Mar 03 14:08:39 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030321AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 10:40:25 2021

QLast Update : Wed Mar 03 10:40:25 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1672504	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4087066	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3822740	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3266661	10.39	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	2699824	10.816	ppbv	98
3) Chlorodifluoromethane	3.00	51	2710978	13.045	ppbv	100
4) Chloromethane	3.15	50	1332118	13.269	ppbv	95
5) Vinyl Chloride	3.26	62	1341582	14.350	ppbv	98
6) Bromomethane	3.48	94	780346	14.043	ppbv	95
7) Chloroethane	3.56	64	478437	14.413	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2917218	12.850	ppbv	99
9) Propene	3.02	41	1245549	16.076	ppbv	99
10) Heptane	8.14	43	3159896	13.838	ppbv	100
11) Trichlorofluoromethane	3.96	101	3290024	13.460	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	2108097	13.923	ppbv	100
13) Ethanol	3.62	45	185417	12.741	ppbv	98
14) Bromoethene	3.75	108	938525	14.811	ppbv	100
15) Acetone	3.86	43	2516618	12.310	ppbv	100
16) 1,3-Butadiene	3.33	39	1346546	13.774	ppbv	98
17) tert-Butyl alcohol	4.30	59	1936113	12.200	ppbv	100
18) 1,1-Dichloroethene	4.30	96	948169	13.780	ppbv	97
19) Isopropyl Alcohol	3.98	45	1268157	11.196	ppbv	99
20) Methylene Chloride	4.36	84	822078	12.464	ppbv	98
21) Allyl Chloride	4.42	41	1562675	13.729	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	917609	14.681	ppbv	95
23) Vinyl Acetate	5.09	43	3221603	13.402	ppbv	99
24) 1,1-Dichloroethane	5.02	63	2482664	13.965	ppbv	99
25) Ethyl Acetate	5.69	43	5145489	13.037	ppbv	98
26) Hexane	5.70	57	2127676	13.120	ppbv	99
27) Carbon Disulfide	4.56	76	2413554	16.194	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2969597	14.018	ppbv	99
29) Chloroform	5.77	83	3470885	13.285	ppbv	97
30) Cyclohexane	7.14	84	1843841	13.672	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	2200359	13.713	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	3435519	14.066	ppbv	100
34) 2-Butanone	5.26	43	3419001	12.591	ppbv	99
35) Carbon Tetrachloride	7.03	117	3576110	13.055	ppbv	97
36) Benzene	6.91	78	4495598	12.949	ppbv	99
37) 1,2-Dichloroethane	6.32	62	2725377	12.697	ppbv	99
38) Trichloroethene	7.85	130	1580233	12.705	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1818770	12.896	ppbv	97
40) 1,4-Dioxane	7.85	88	552469	11.306	ppbv	92
41) Tetrahydrofuran	6.06	42	2047042	13.508	ppbv	99
42) Bromodichloromethane	7.81	83	3747789	13.037	ppbv	98
43) Methyl Methacrylate	8.03	69	2036222	13.907	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 10:40:25 2021

QLast Update : Wed Mar 03 10:40:25 2021

Response via : Initial Calibration

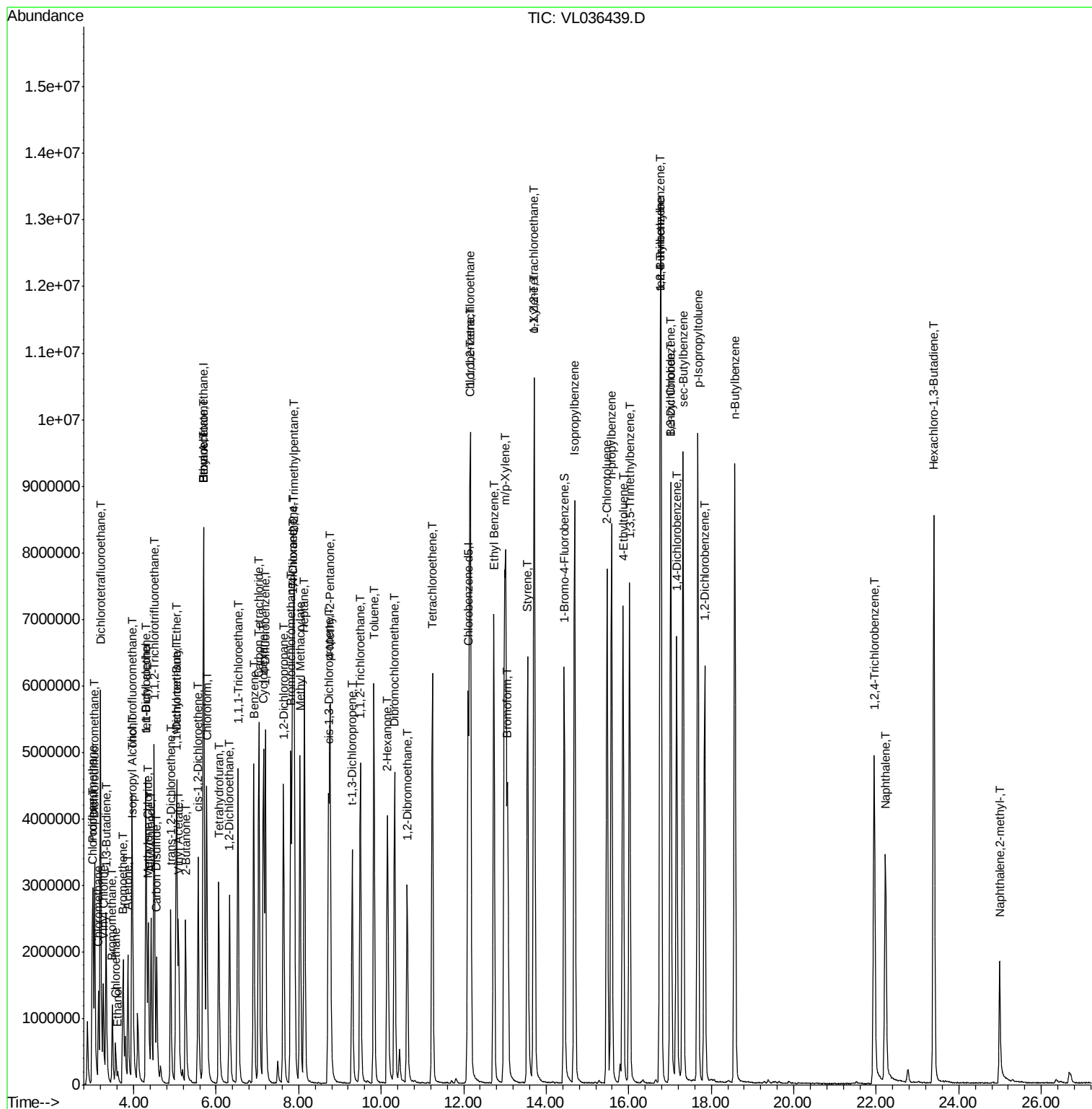
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	7438848	11.783	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	2215753	15.687	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	2677367	14.922	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1834340	12.709	ppbv	97
48) Dibromochloromethane	10.32	129	3122075	14.496	ppbv	100
49) Bromoform	13.06	173	2651364	15.228	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	5193405	12.883	ppbv	99
51) 2-Hexanone	10.15	43	4400458	14.366	ppbv #	100
52) Tetrachloroethene	11.24	164	864633	6.803	ppbv	98
53) Toluene	9.83	91	5063922	13.466	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2739803	13.136	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2265837	12.887	ppbv #	67
57) Chlorobenzene	12.17	112	3700740	12.530	ppbv	99
58) Ethyl Benzene	12.73	91	6782540	12.957	ppbv	97
59) m/p-Xylene	13.01	91	5233828	11.383	ppbv #	16
60) o-Xylene	13.72	91	5436472	12.367	ppbv	98
61) Styrene	13.55	104	4024931	14.773	ppbv	99
62) Isopropylbenzene	14.69	105	8051889	12.219	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	3888399	11.210	ppbv	100
64) n-propylbenzene	15.58	120	2195993	13.541	ppbv	90
65) tert-Butylbenzene	16.77	119	6925441	12.284	ppbv	99
66) Benzyl Chloride	17.01	91	2795002	18.235	ppbv	98
67) sec-Butylbenzene	17.32	105	9616996	11.828	ppbv	98
69) p-Isopropyltoluene	17.68	119	8047906	12.808	ppbv	99
70) n-Butylbenzene	18.57	91	8283520	12.293	ppbv	98
71) 2-Chlorotoluene	15.47	91	6374402	12.619	ppbv	99
72) 4-Ethyltoluene	15.86	105	6521317	13.330	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	6025303	12.705	ppbv	95
74) 1,2,4-Trimethylbenzene	16.79	105	5986974	12.366	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	3447919	13.120	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	3485278	12.771	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	3362099	12.896	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	2388632	11.215	ppbv	99
79) Naphthalene	22.23	128	4716898	16.435	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	1406571	26.469	ppbv	96
81) 1,2,4-Trichlorobenzene	21.95	180	2424286	13.845	ppbv	99

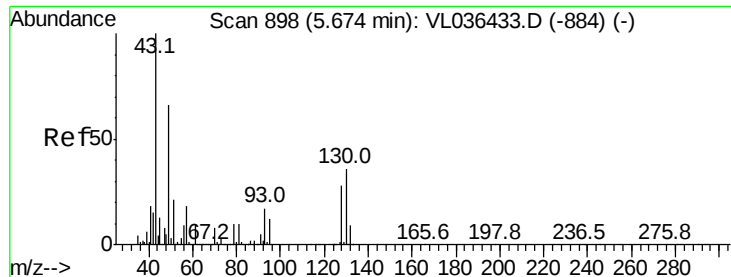
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC015

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 3 Mar 2021 13:24

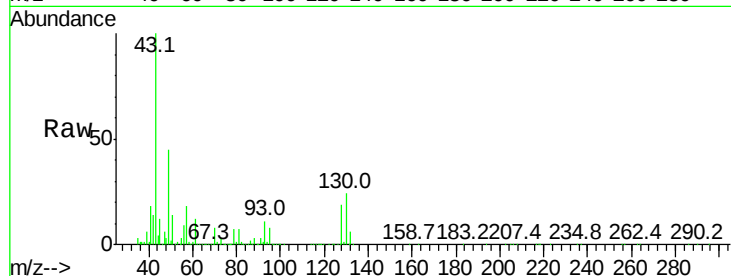
Tgt Ion: 49 Resp: 1672504

Ion Ratio Lower Upper

49 100

128 45.3 22.4 67.2

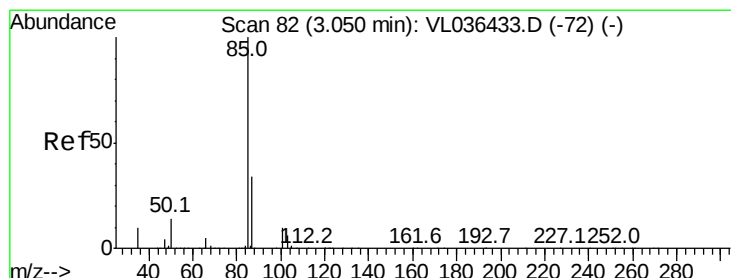
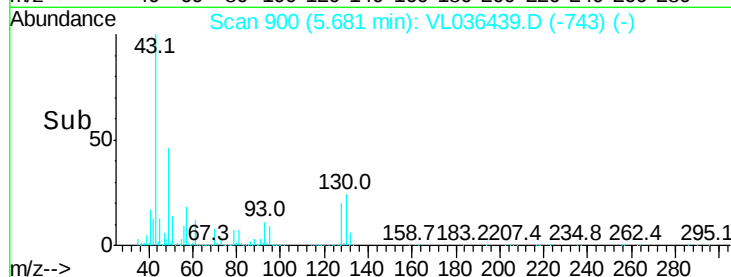
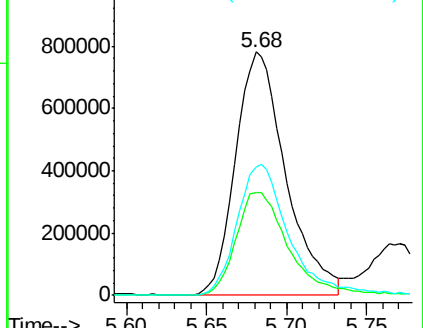
130 56.9 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.816 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL036439.D

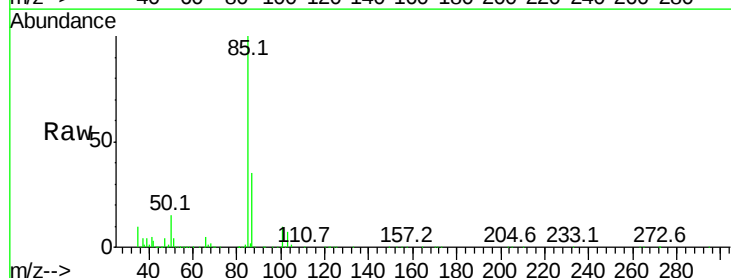
Acq: 3 Mar 2021 13:24

Tgt Ion: 85 Resp: 2699824

Ion Ratio Lower Upper

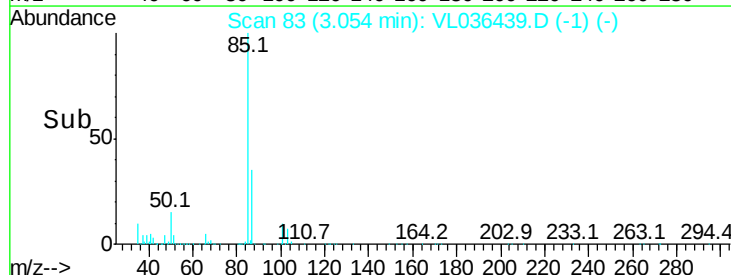
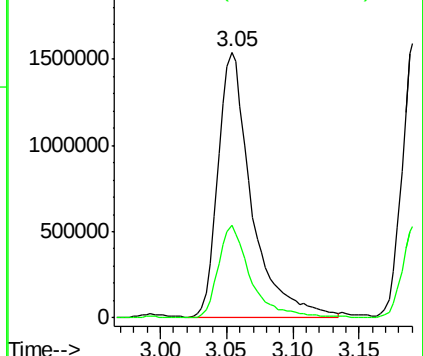
85 100

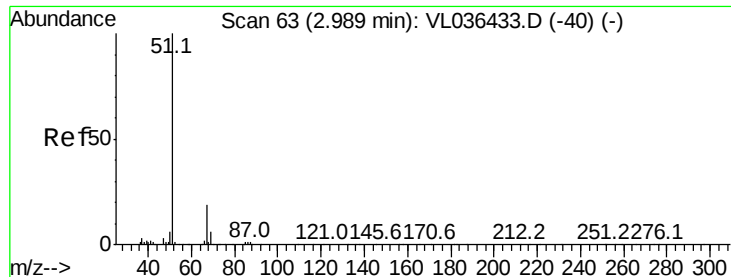
87 34.9 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 13.045 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

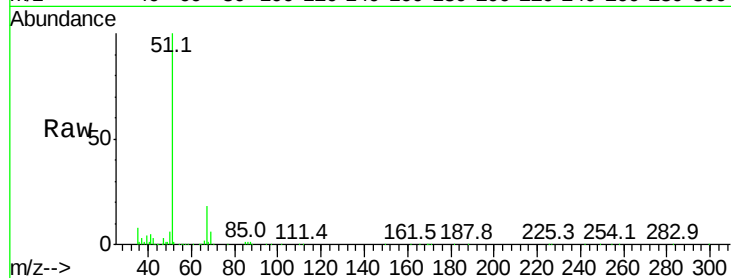
Acq: 3 Mar 2021 13:24 VSTDIC015

Tgt Ion: 51 Resp: 2710978

Ion Ratio Lower Upper

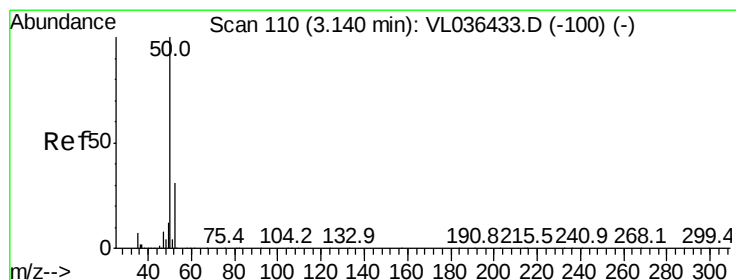
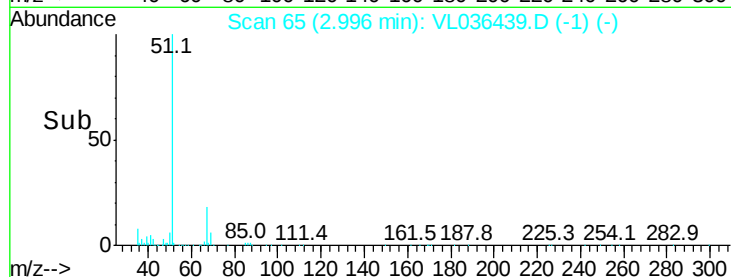
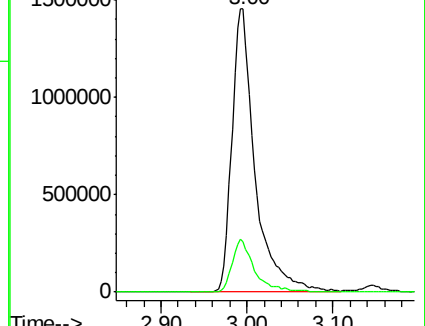
51 100

67 18.4 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: 13.269 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036439.D

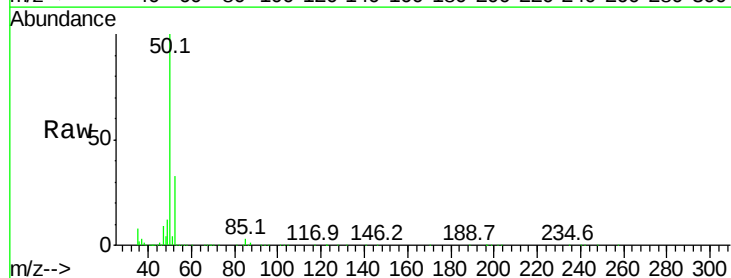
Acq: 3 Mar 2021 13:24

Tgt Ion: 50 Resp: 1332118

Ion Ratio Lower Upper

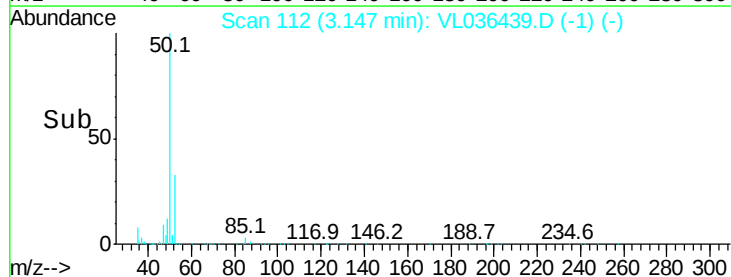
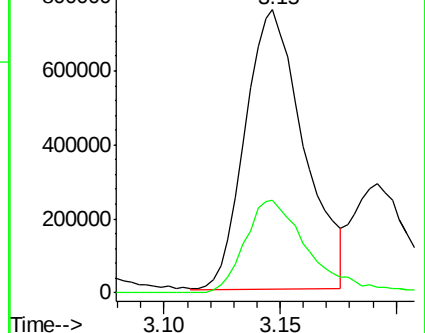
50 100

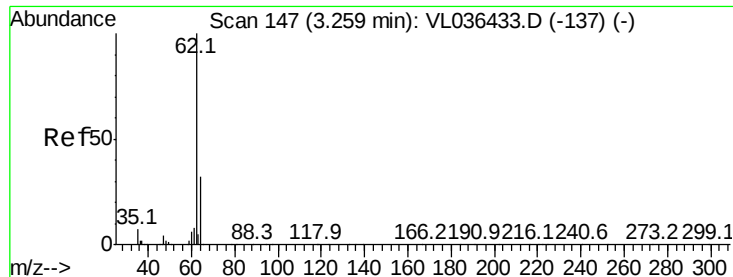
52 33.2 24.6 36.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 14.350 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

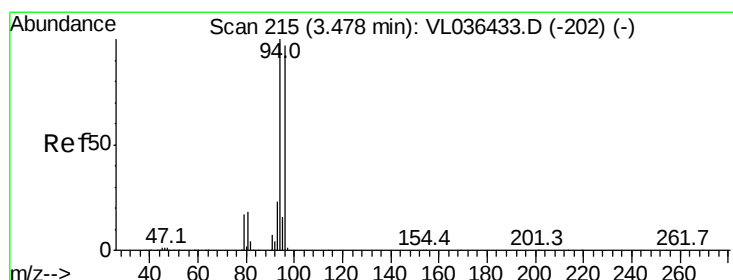
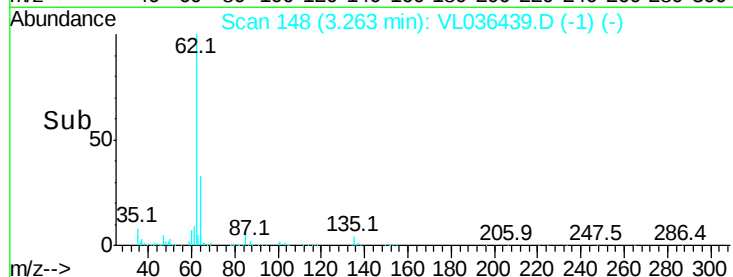
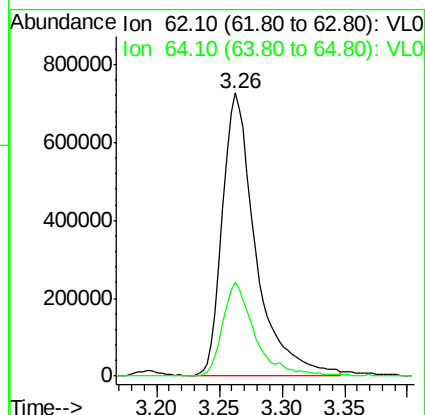
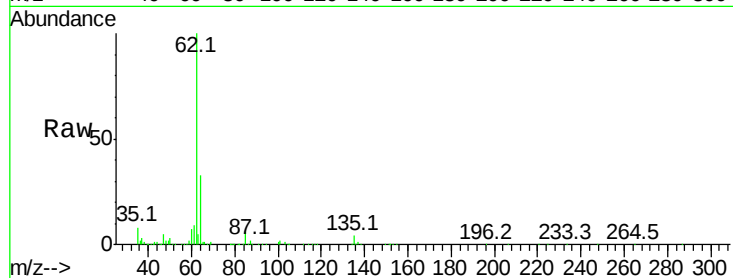
Acq: 3 Mar 2021 13:24 VSTDIC015

Tgt Ion: 62 Resp: 1341582

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.2



#6

Bromomethane

Concen: 14.043 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL036439.D

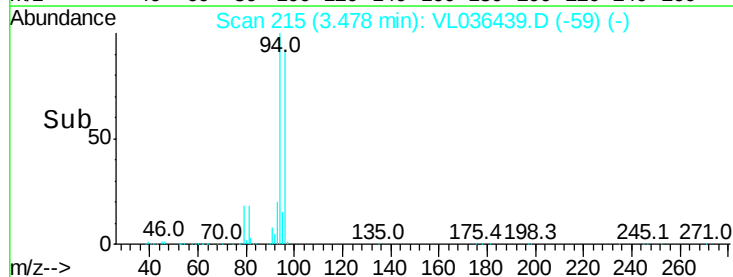
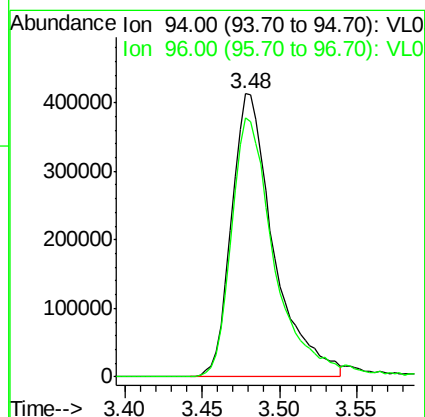
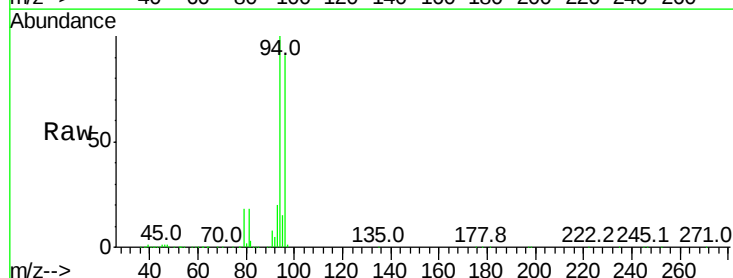
Acq: 3 Mar 2021 13:24

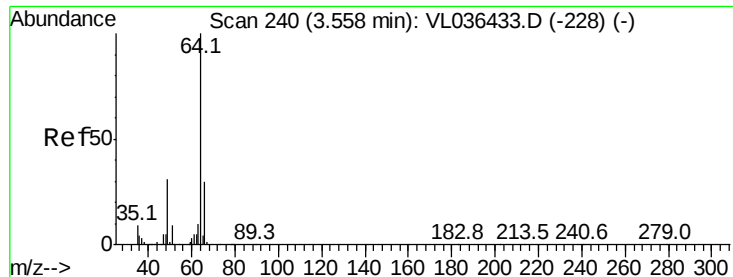
Tgt Ion: 94 Resp: 780346

Ion Ratio Lower Upper

94 100

96 91.4 77.3 115.9





#7

Chloroethane

Concen: 14.413 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC015

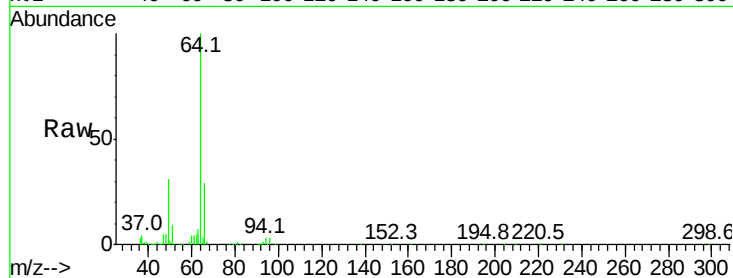
Acq: 3 Mar 2021 13:24

Tgt Ion: 64 Resp: 478437

Ion Ratio Lower Upper

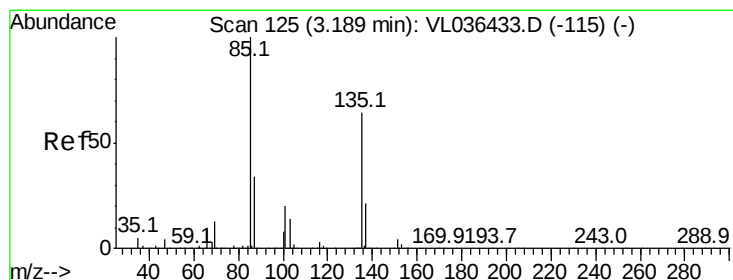
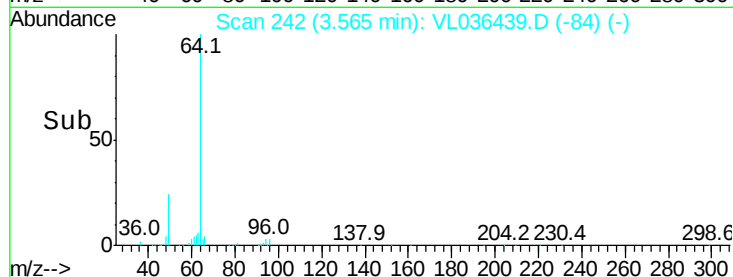
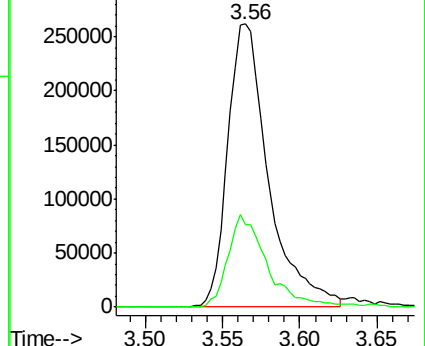
64 100

66 29.3 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.850 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL036439.D

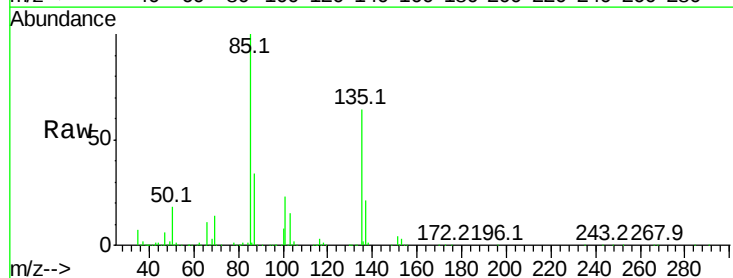
Acq: 3 Mar 2021 13:24

Tgt Ion: 85 Resp: 2917218

Ion Ratio Lower Upper

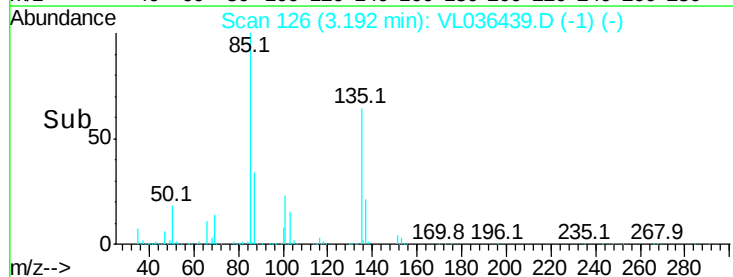
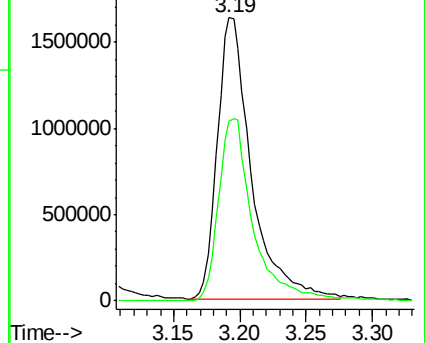
85 100

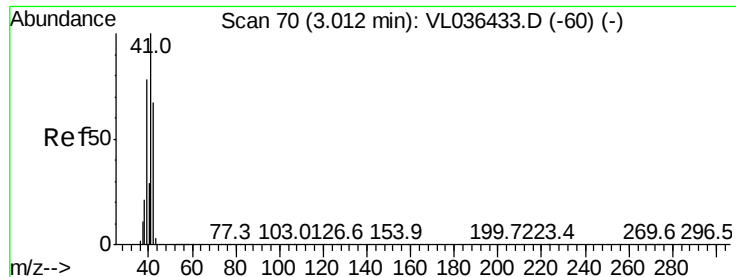
135 66.4 52.8 79.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 16.076 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

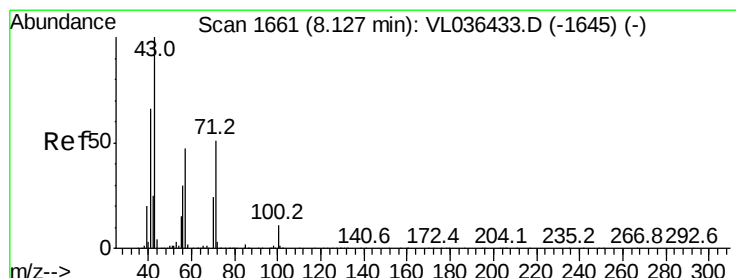
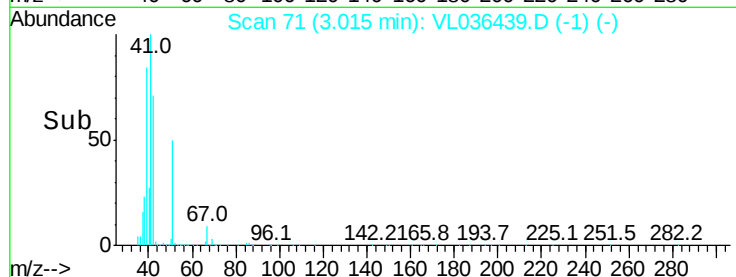
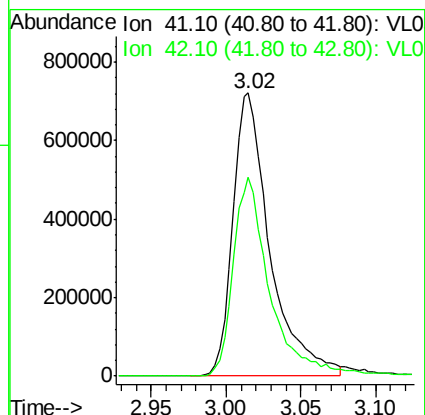
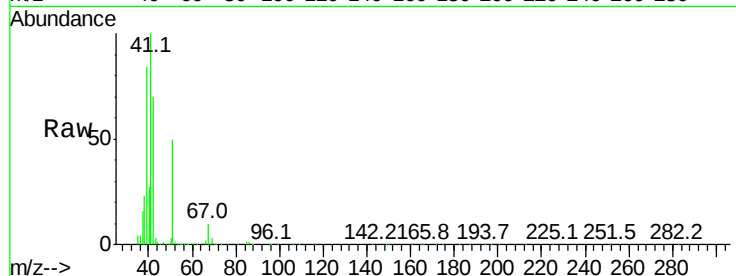
Acq: 3 Mar 2021 13:24

Tgt Ion: 41 Resp: 1245549

Ion Ratio Lower Upper

41 100

42 69.8 56.2 84.4



#10

Heptane

Concen: 13.838 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL036439.D

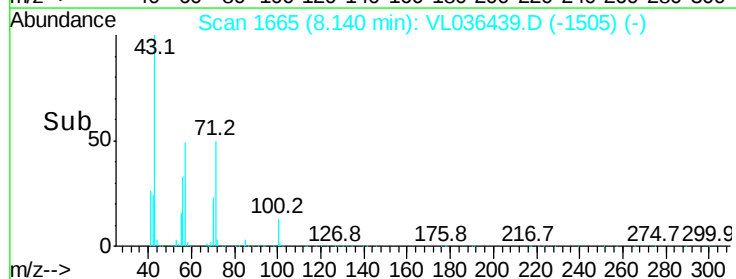
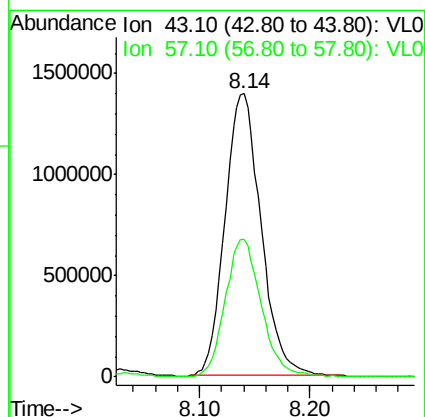
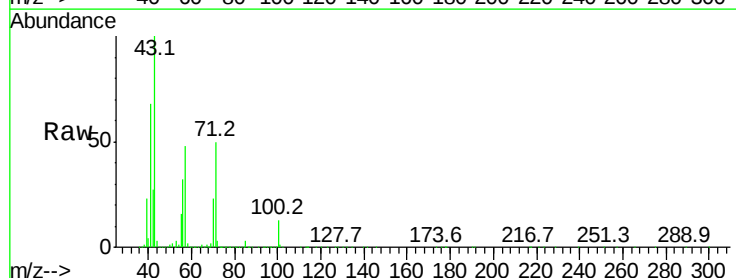
Acq: 3 Mar 2021 13:24

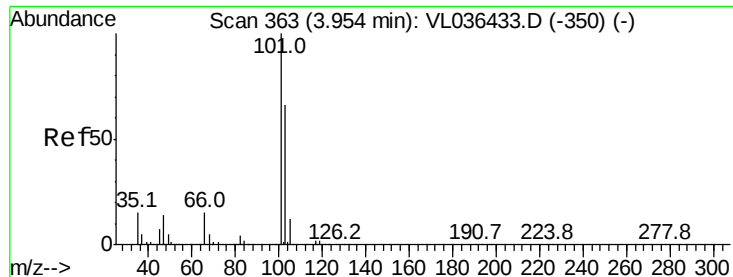
Tgt Ion: 43 Resp: 3159896

Ion Ratio Lower Upper

43 100

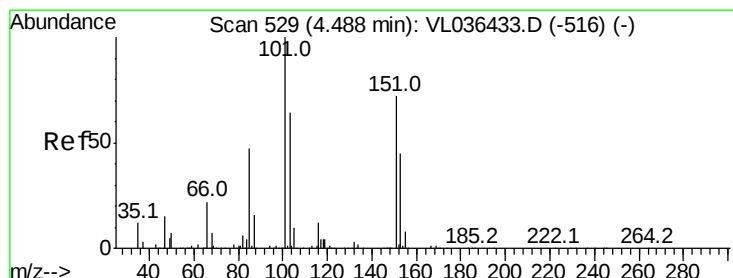
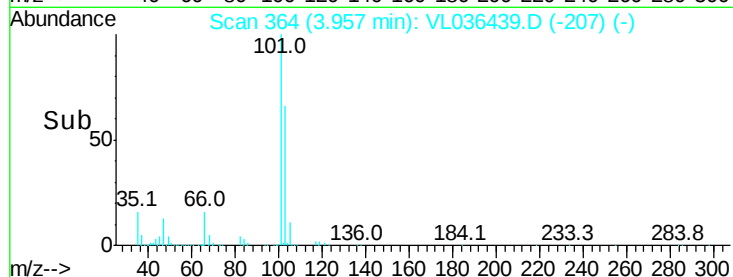
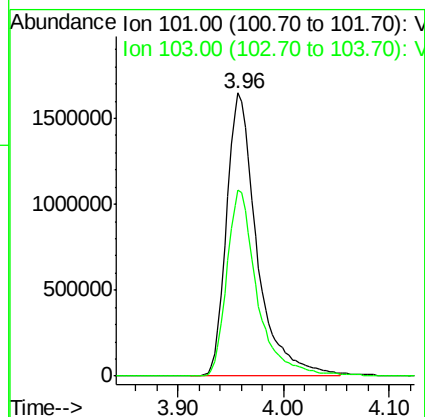
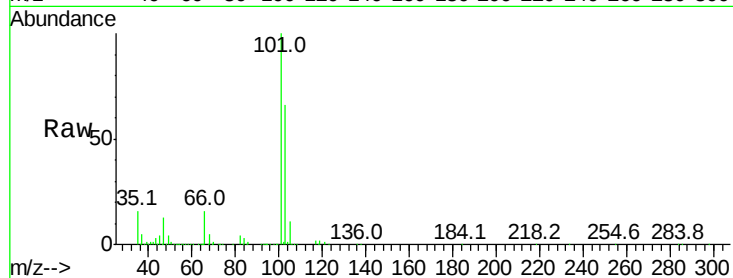
57 48.9 39.1 58.7





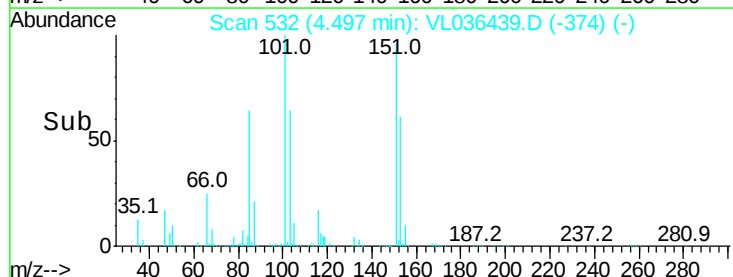
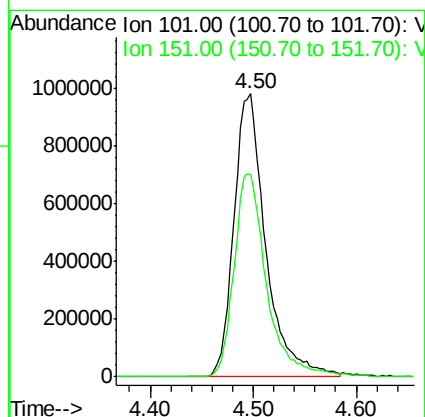
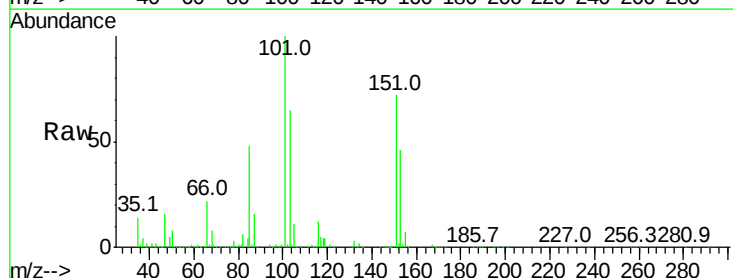
#11
 Trichlorofluoromethane
 Concen: 13.460 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 3 Mar 2021 13:24

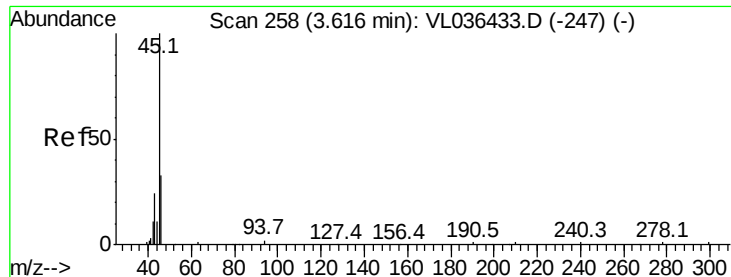
Tgt Ion:101 Resp: 3290024
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.4 78.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.923 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T.: 0.01 min
 Lab File: VL036439.D
 Acq: 3 Mar 2021 13:24

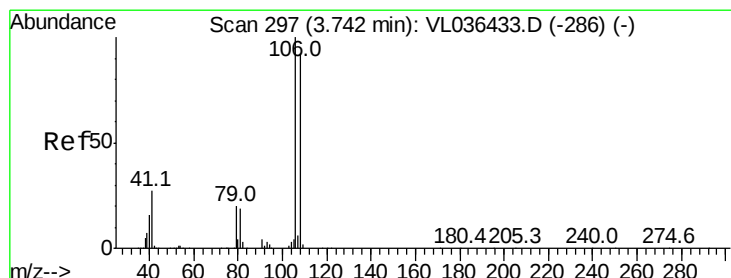
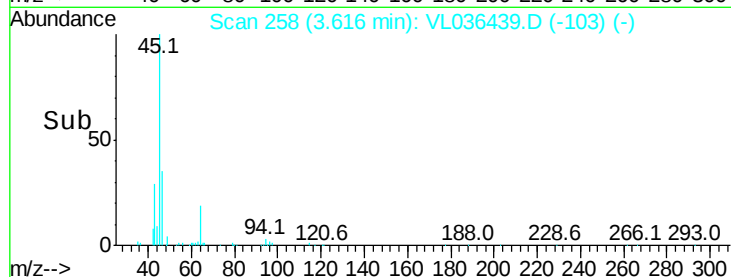
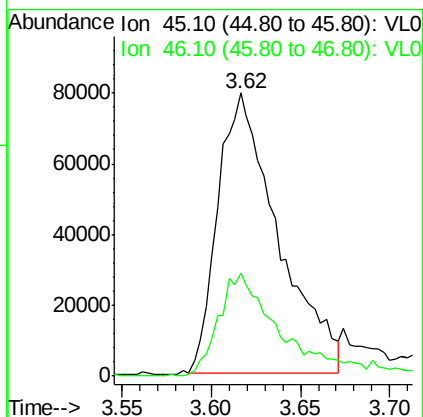
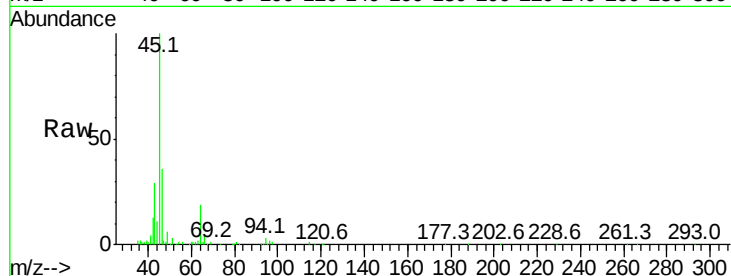
Tgt Ion:101 Resp: 2108097
 Ion Ratio Lower Upper
 101 100
 151 73.8 59.0 88.4





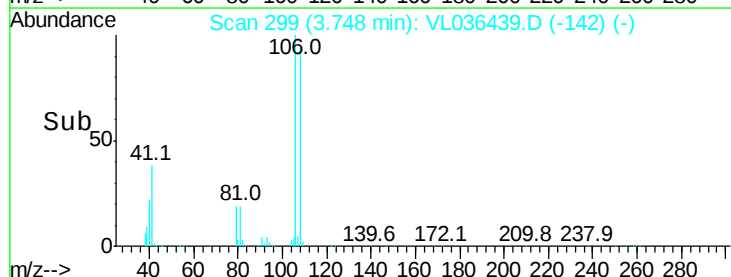
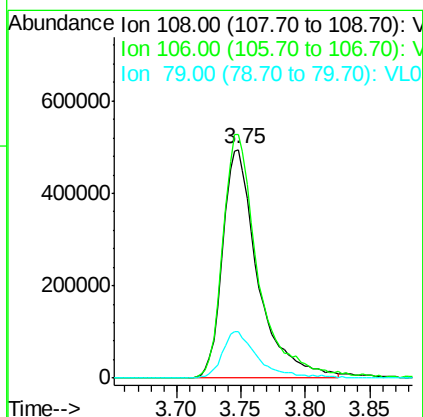
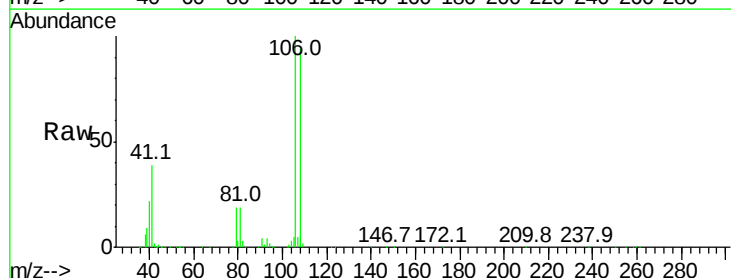
#13
Ethanol
Concen: 12.741 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2021 13:24

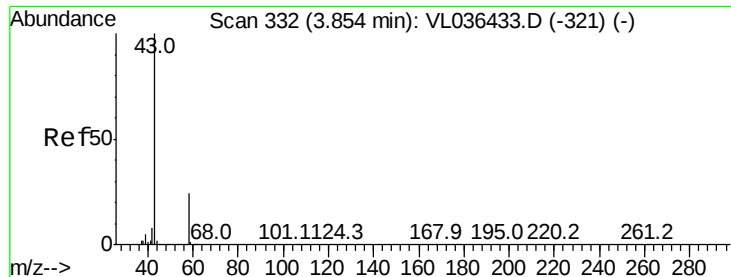
Tgt Ion: 45 Resp: 185417
Ion Ratio Lower Upper
45 100
46 40.9 16.8 67.4



#14
Bromoethene
Concen: 14.811 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL036439.D
Acq: 3 Mar 2021 13:24

Tgt Ion: 108 Resp: 938525
Ion Ratio Lower Upper
108 100
106 108.3 87.0 130.4
79 21.1 17.1 25.7





#15

Acetone

Concen: 12.310 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

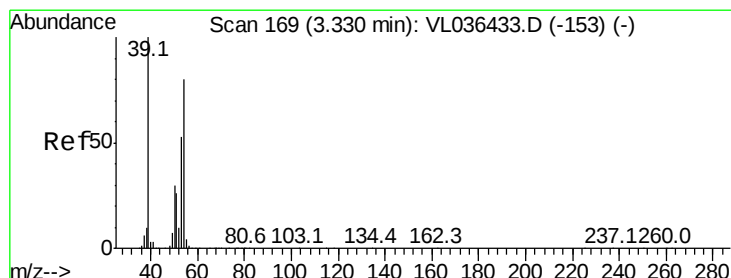
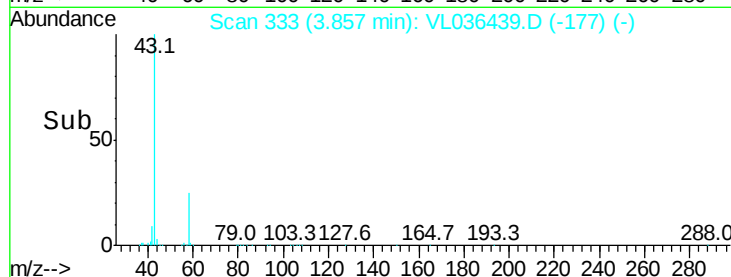
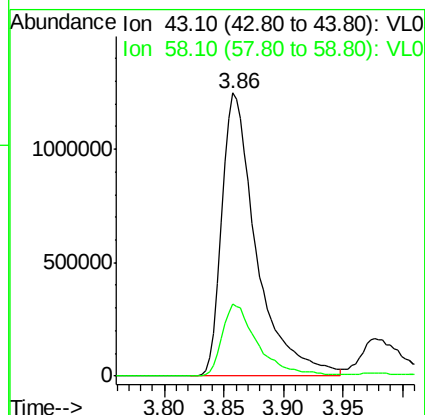
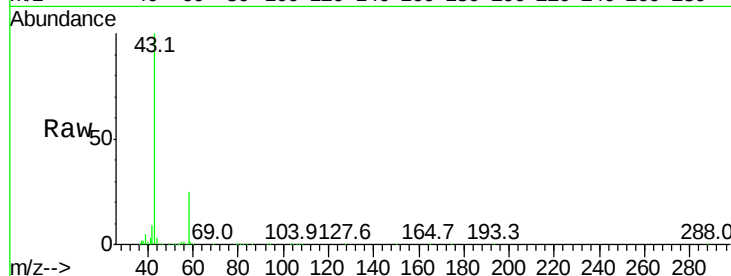
Acq: 3 Mar 2021 13:24 VSTDIC015

Tgt Ion: 43 Resp: 2516618

Ion Ratio Lower Upper

43 100

58 26.1 21.0 31.6



#16

1,3-Butadiene

Concen: 13.774 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL036439.D

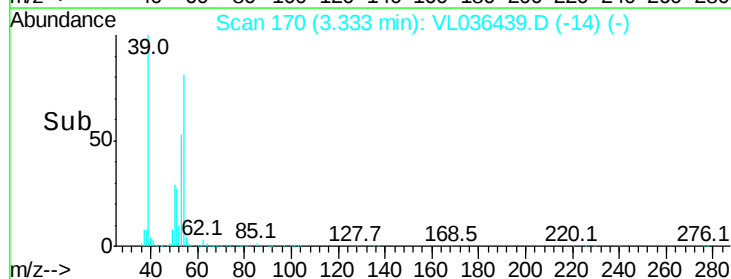
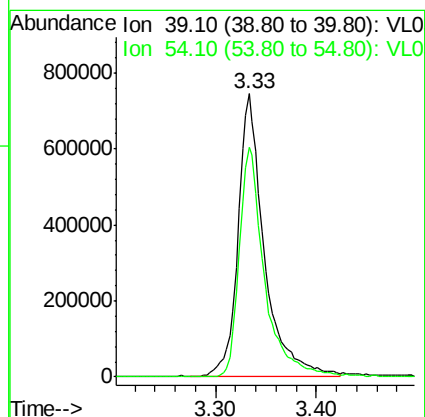
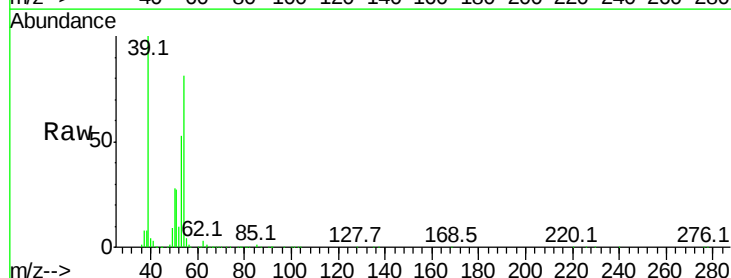
Acq: 3 Mar 2021 13:24

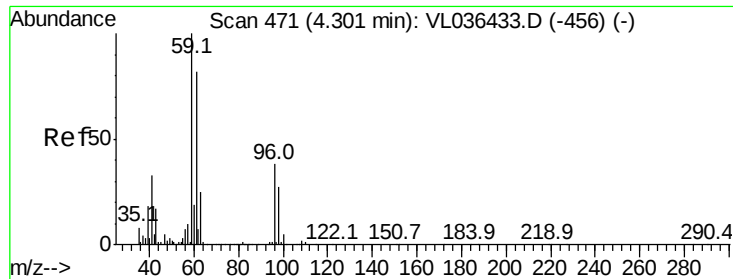
Tgt Ion: 39 Resp: 1346546

Ion Ratio Lower Upper

39 100

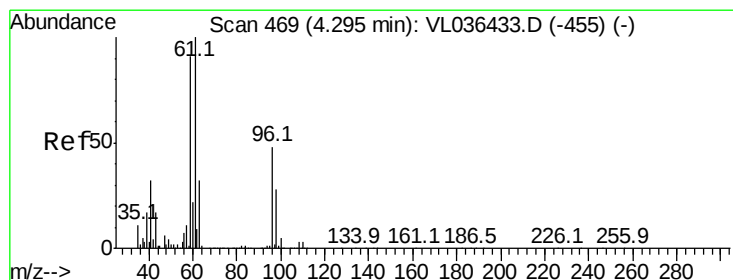
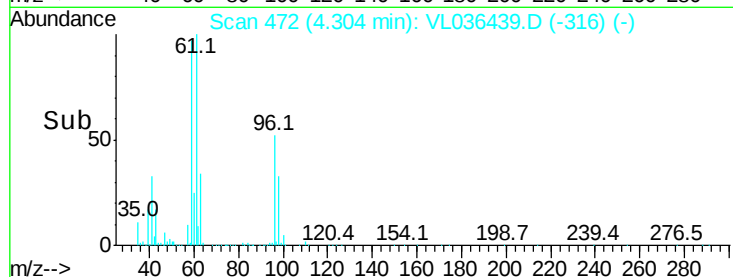
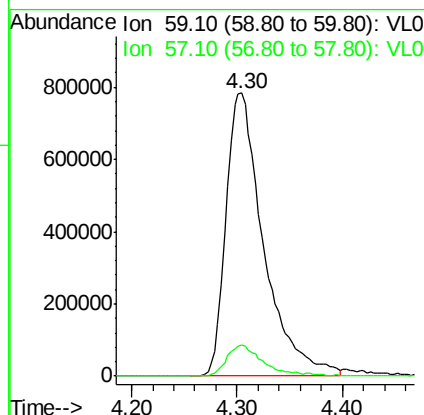
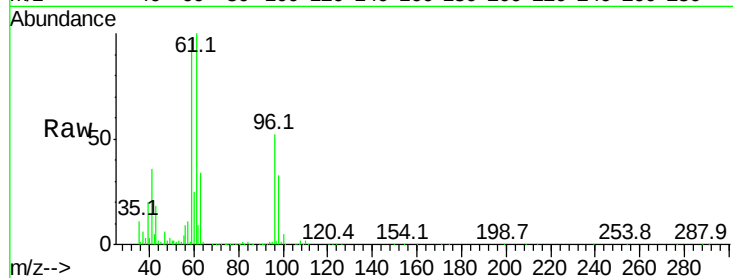
54 78.9 64.5 96.7





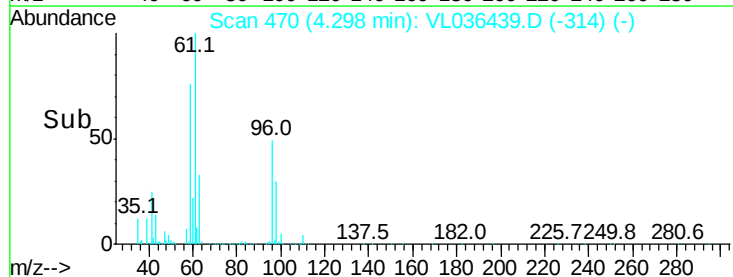
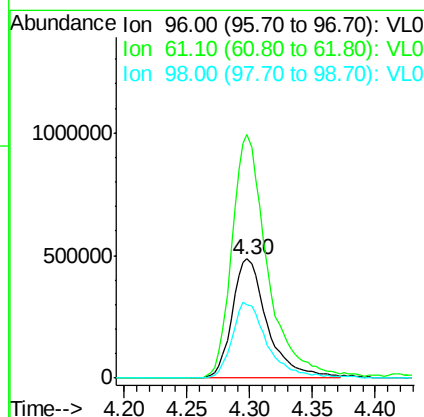
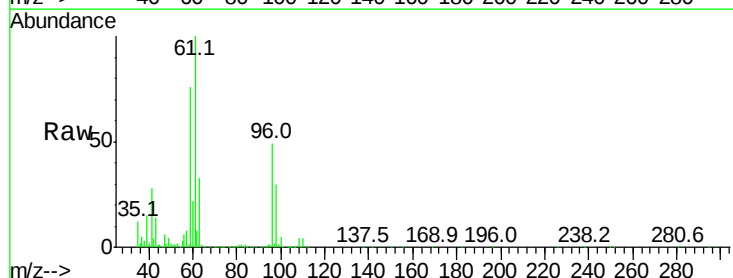
#17
 tert-Butyl alcohol
 Concen: 12.200 ppbv
 RT: 4.30 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 3 Mar 2021 13:24

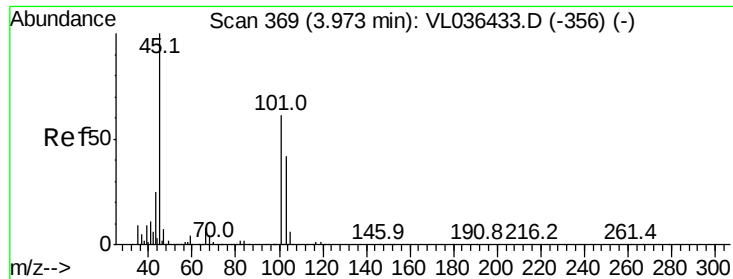
Tgt Ion: 59 Resp: 1936113
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.9 13.3



#18
 1,1-Dichloroethene
 Concen: 13.780 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL036439.D
 Acq: 3 Mar 2021 13:24

Tgt Ion: 96 Resp: 948169
 Ion Ratio Lower Upper
 96 100
 61 204.3 168.2 252.2
 98 61.2 47.8 71.6





#19

Isopropyl Alcohol

Concen: 11.196 ppbv

RT: 3.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

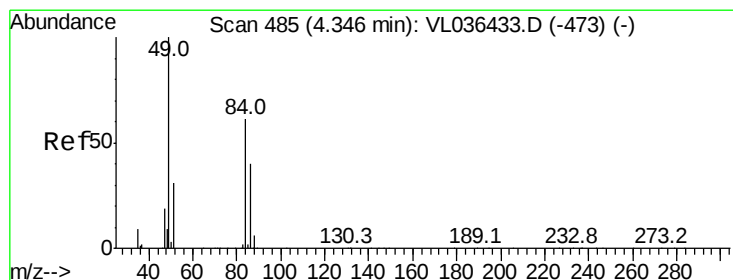
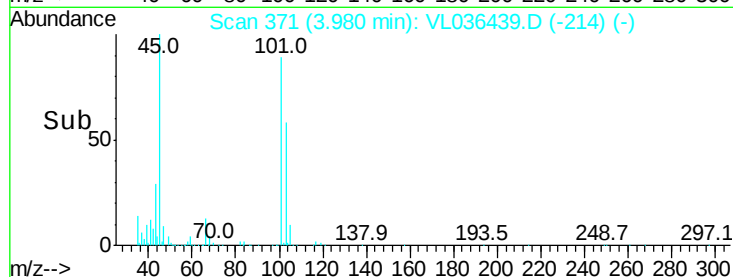
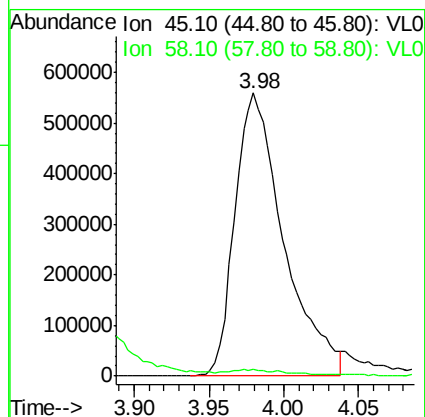
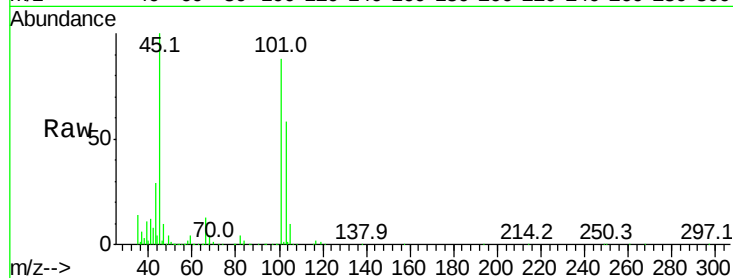
Acq: 3 Mar 2021 13:24

Tgt Ion: 45 Resp: 1268157

Ion Ratio Lower Upper

45 100

58 2.9 2.0 3.0



#20

Methylene Chloride

Concen: 12.464 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

Tgt Ion: 84 Resp: 822078

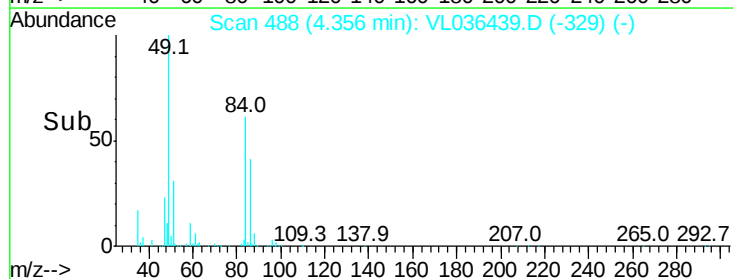
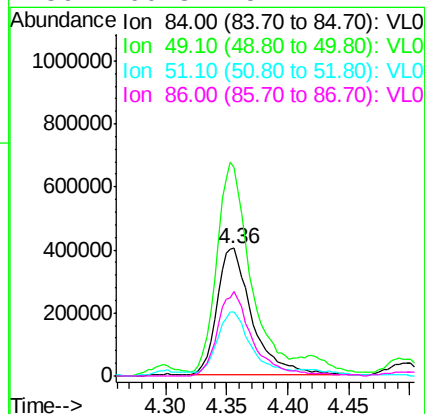
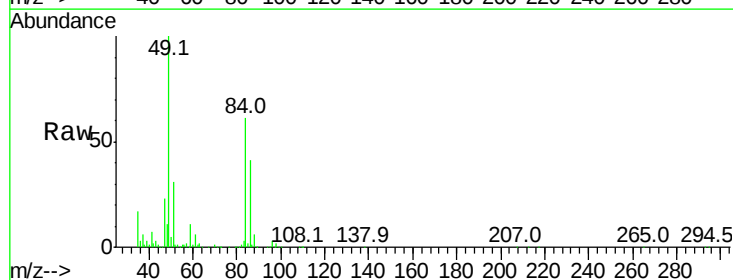
Ion Ratio Lower Upper

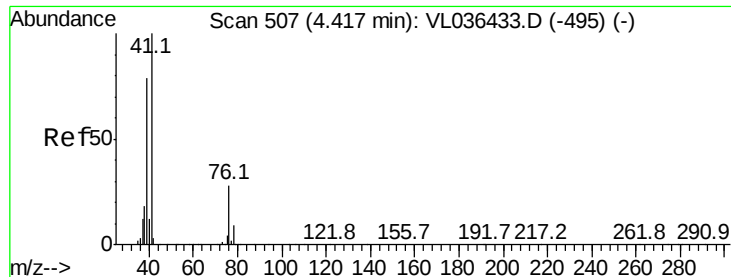
84 100

49 160.7 130.2 195.2

51 48.8 40.5 60.7

86 66.3 51.4 77.2

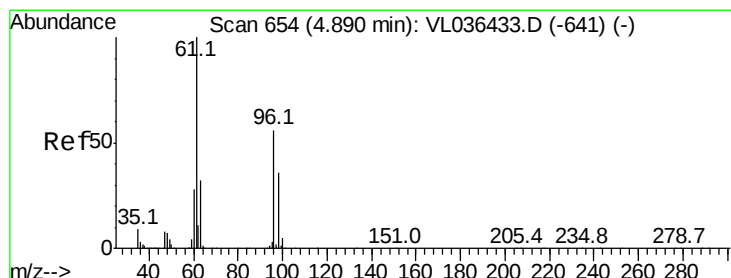
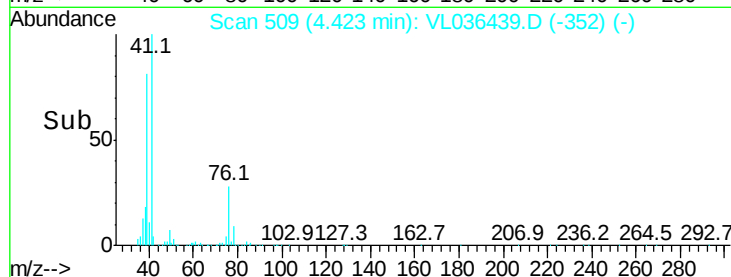
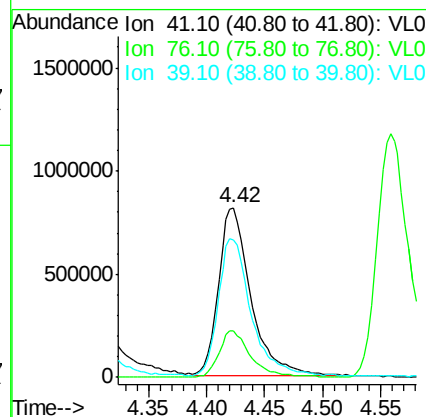
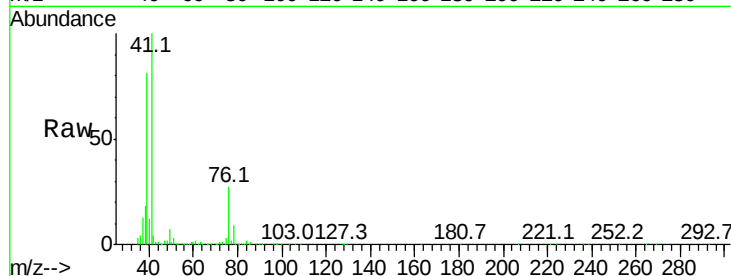




#21
 Allyl Chloride
 Concen: 13.729 ppbv
 RT: 4.42
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 3 Mar 2021 13:24

Tgt Ion: 41 Resp: 1562675

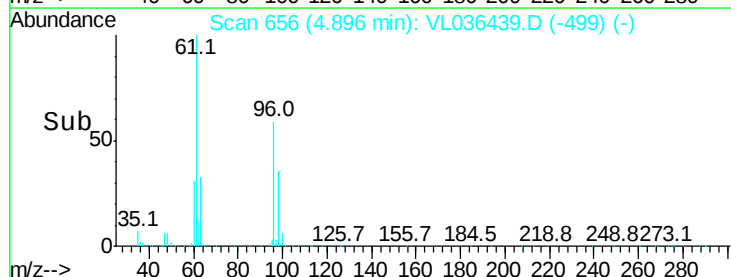
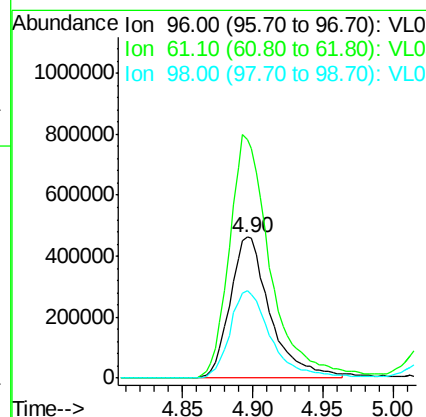
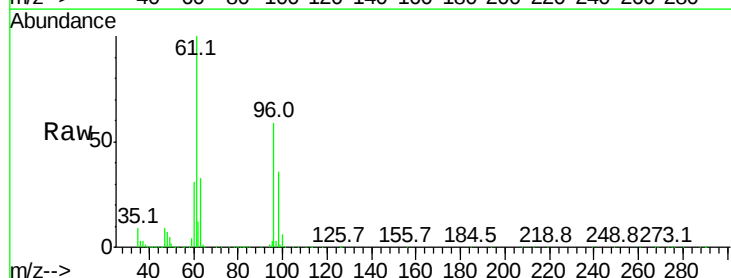
Ion	Ratio	Lower	Upper
41	100		
76	27.9	21.8	32.8
39	84.4	66.0	99.0

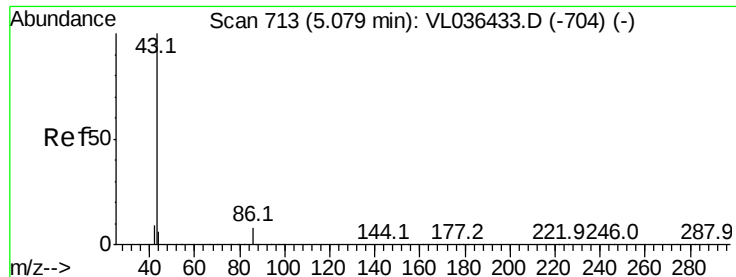


#22
 trans-1,2-Dichloroethene
 Concen: 14.681 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VL036439.D
 Acq: 3 Mar 2021 13:24

Tgt Ion: 96 Resp: 917609

Ion	Ratio	Lower	Upper
96	100		
61	169.2	142.1	213.1
98	61.6	50.6	75.8





#23

Vinyl Acetate

Concen: 13.402 ppbv

RT: 5.09 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24 VSTDIC015

Tgt Ion: 43 Resp: 3221603

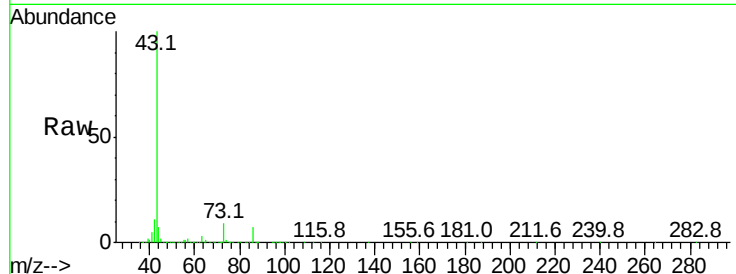
Ion Ratio Lower Upper

43 100

86 6.9 5.2 7.8

42 10.7 8.3 12.5

44 6.3 4.4 6.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

2500000

Ion 86.10 (85.80 to 86.80): VL0

2000000

Ion 42.10 (41.80 to 42.80): VL0

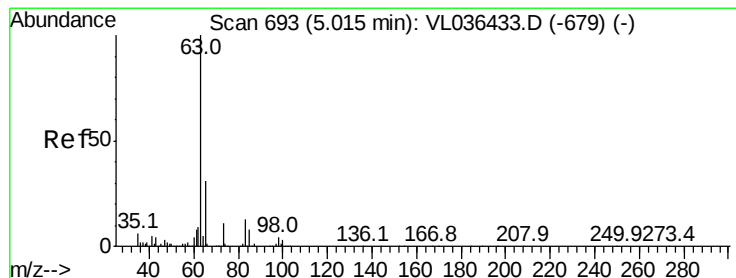
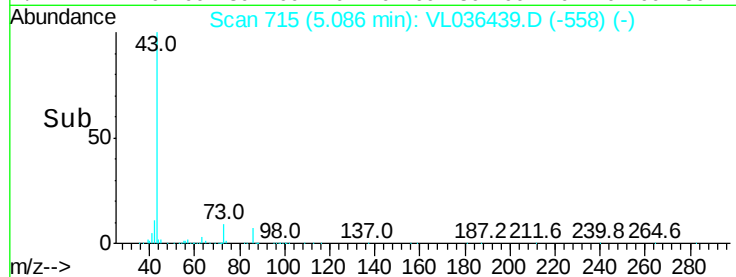
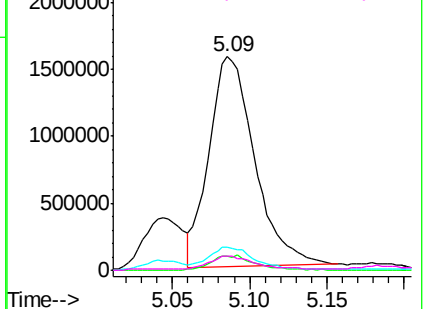
1500000

Ion 44.10 (43.80 to 44.80): VL0

1000000

500000

0



#24

1,1-Dichloroethane

Concen: 13.965 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

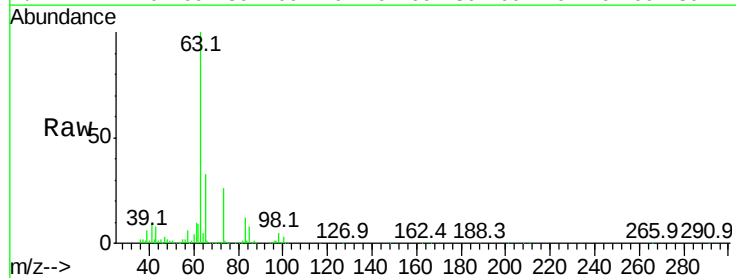
Tgt Ion: 63 Resp: 2482664

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

100 2.5 1.3 3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

1500000

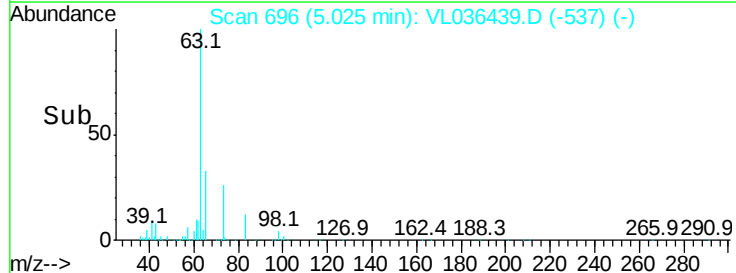
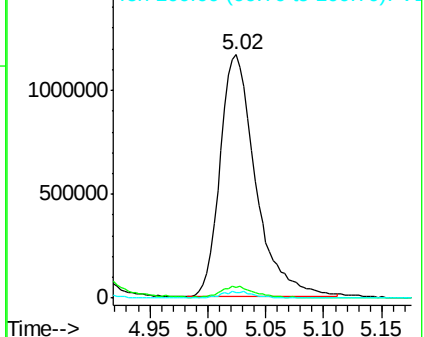
Ion 98.00 (97.70 to 98.70): VL0

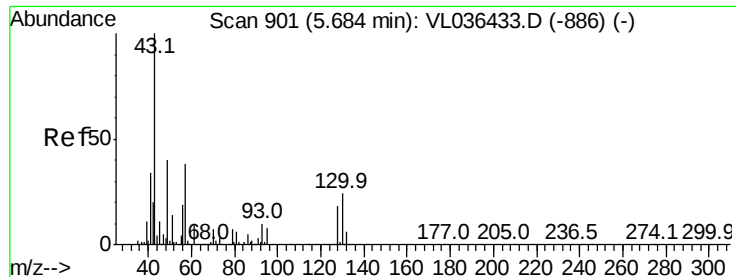
1000000

Ion 100.00 (99.70 to 100.70): VL0

500000

0





#25

Ethyl Acetate

Concen: 13.037 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24 VSTDIC015

Tgt Ion: 43 Resp: 5145489

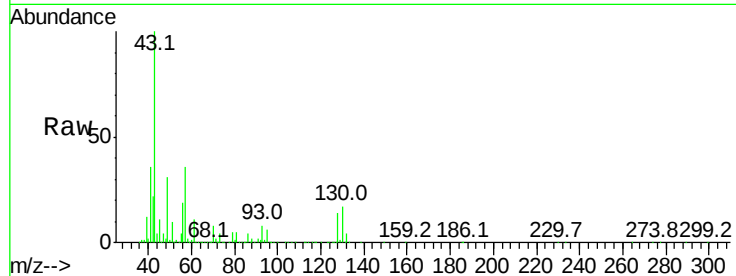
Ion Ratio Lower Upper

43 100

45 10.7 8.0 12.0

61 10.2 7.7 11.5

70 7.0 5.4 8.0

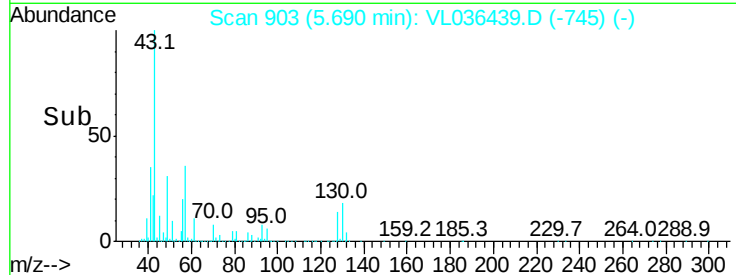
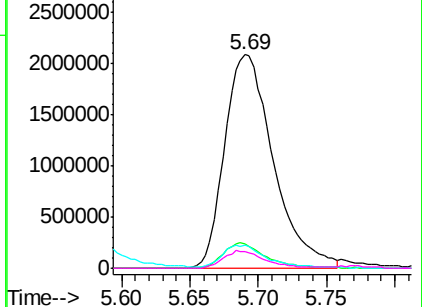


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.120 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

Tgt Ion: 57 Resp: 2127676

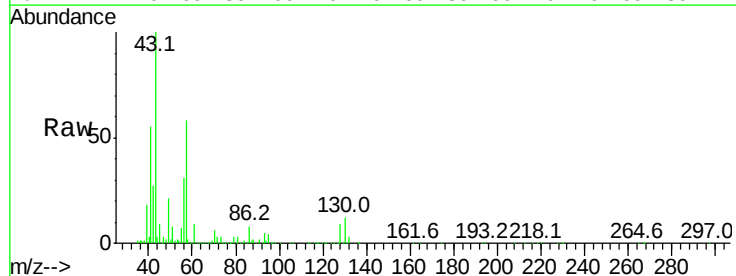
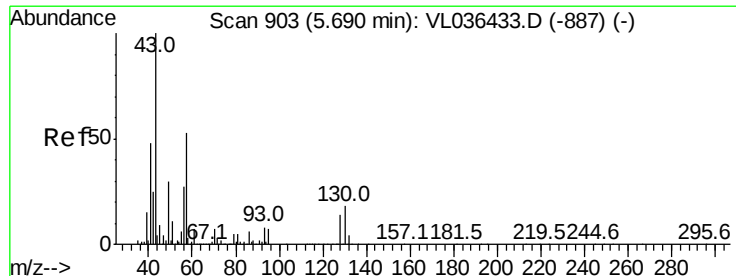
Ion Ratio Lower Upper

57 100

41 101.5 80.4 120.6

43 248.6 199.8 299.6

56 54.7 43.8 65.8

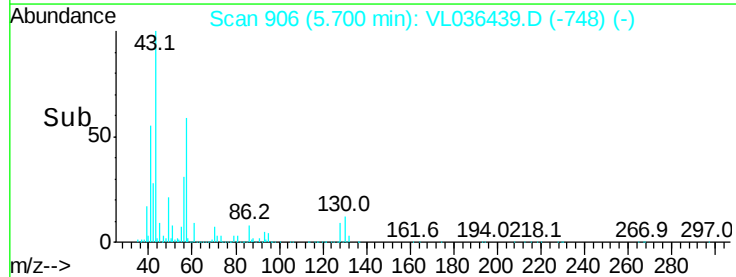
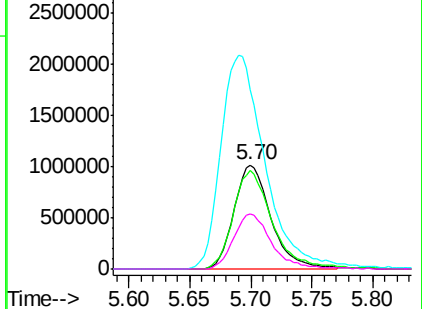


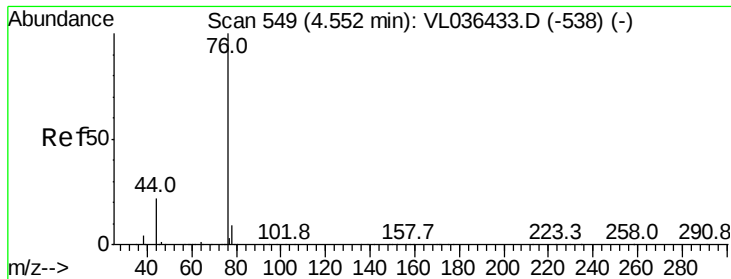
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 16.194 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24

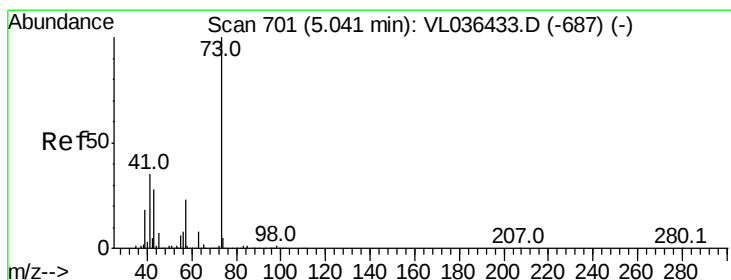
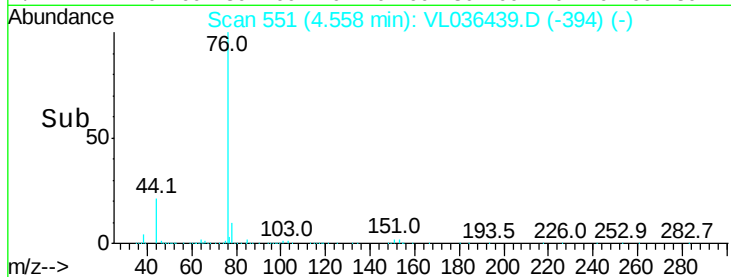
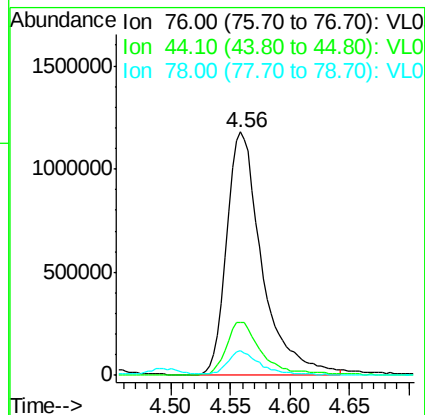
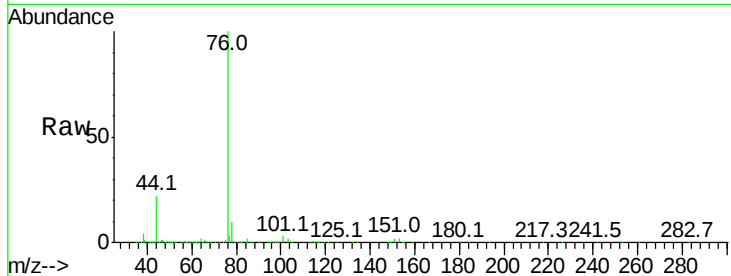
Tgt Ion: 76 Resp: 2413554

Ion Ratio Lower Upper

76 100

44 21.5 17.4 26.0

78 9.6 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 14.018 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL036439.D

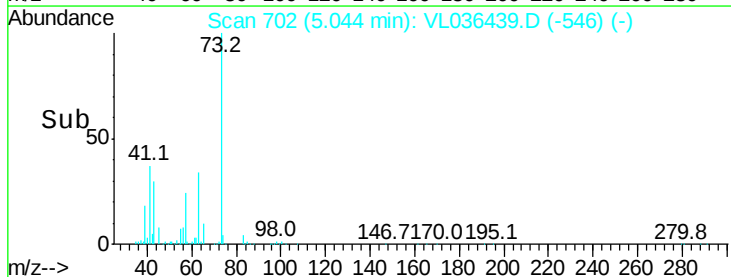
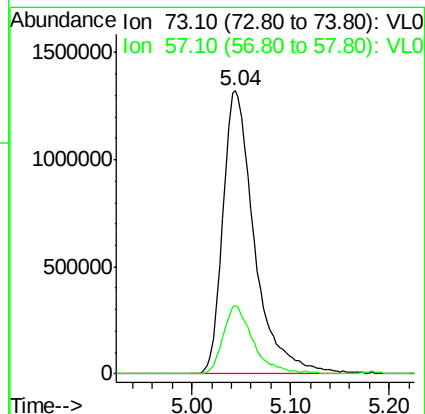
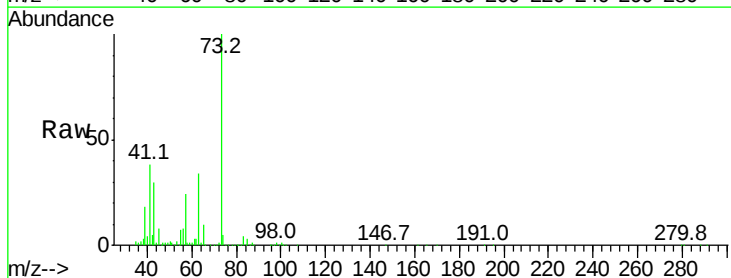
Acq: 3 Mar 2021 13:24

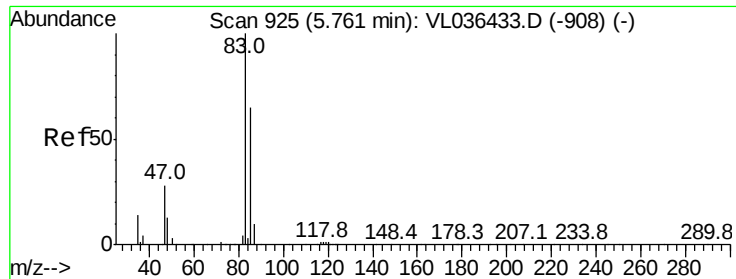
Tgt Ion: 73 Resp: 2969597

Ion Ratio Lower Upper

73 100

57 23.4 19.0 28.6





#29

Chloroform

Concen: 13.285 ppbv

RT: 5.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

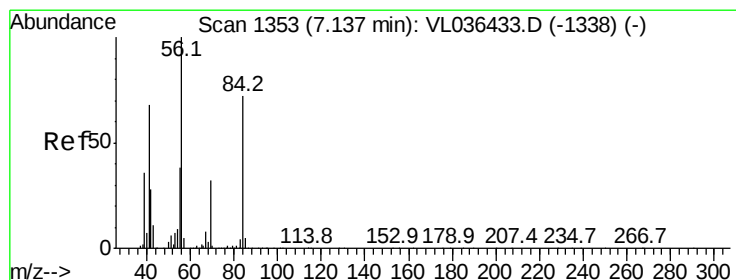
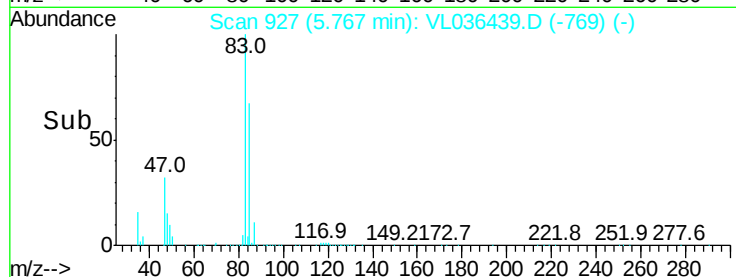
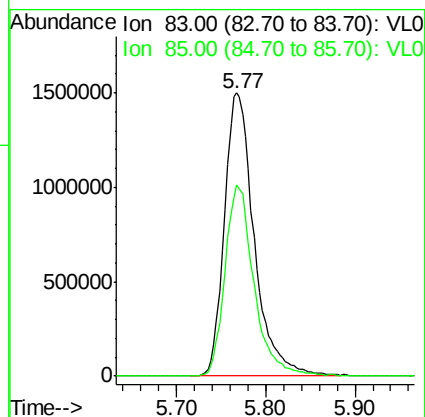
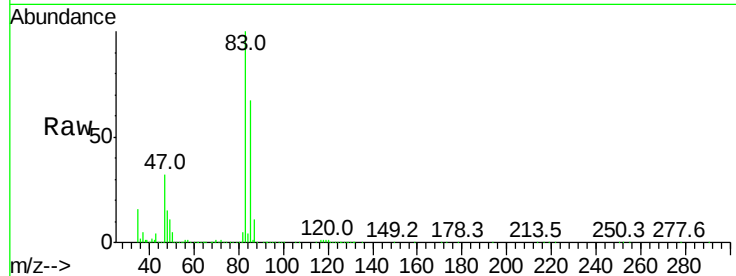
Acq: 3 Mar 2021 13:24

Tgt Ion: 83 Resp: 3470885

Ion Ratio Lower Upper

83 100

85 67.2 51.9 77.9



#30

Cyclohexane

Concen: 13.672 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

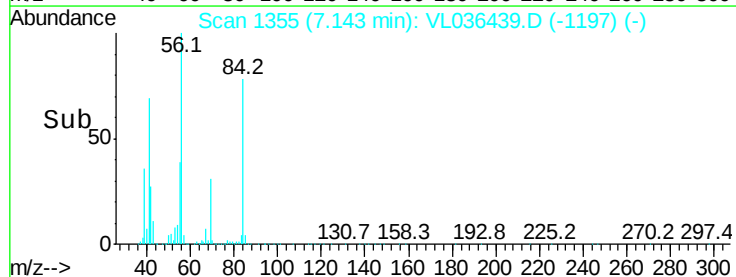
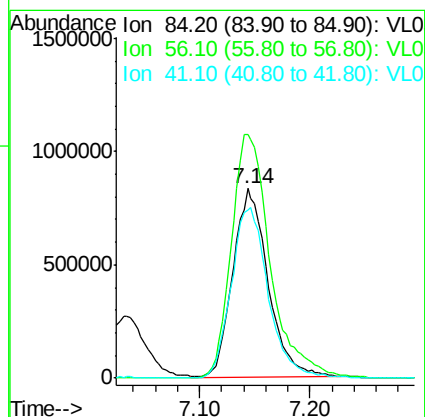
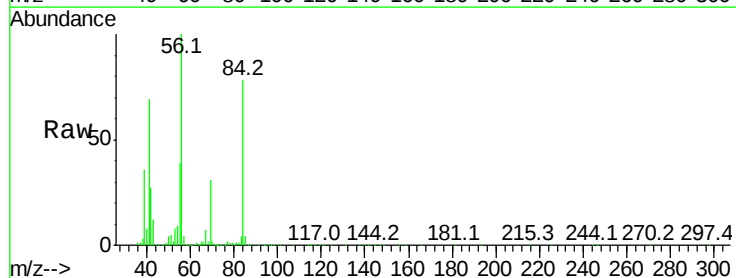
Tgt Ion: 84 Resp: 1843841

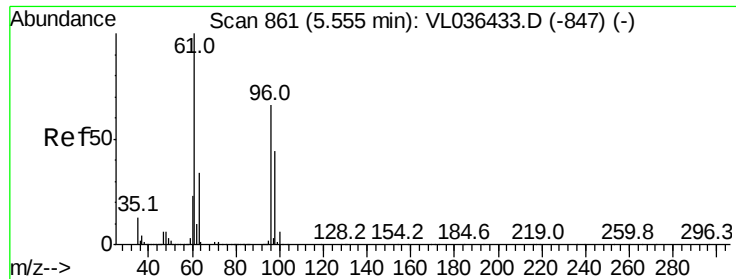
Ion Ratio Lower Upper

84 100

56 144.1 117.6 176.4

41 95.1 75.9 113.9





#31

cis-1,2-Dichloroethene

Concen: 13.713 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC015

Acq: 3 Mar 2021 13:24

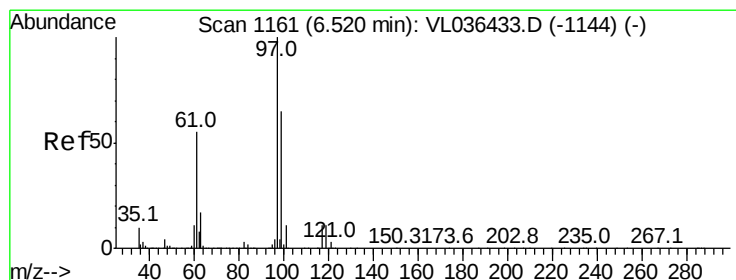
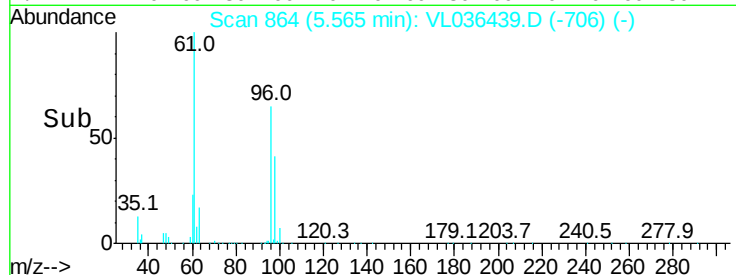
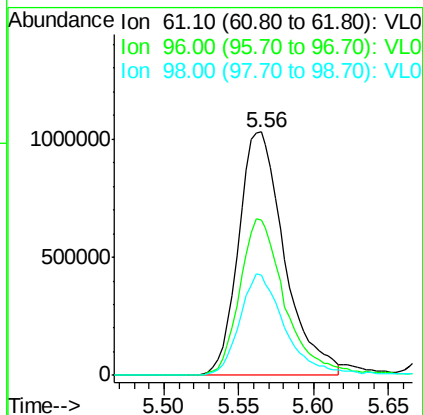
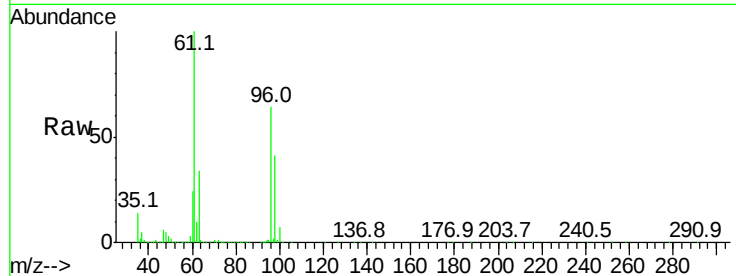
Tgt Ion: 61 Resp: 2200359

Ion Ratio Lower Upper

61 100

96 63.5 52.9 79.3

98 41.3 34.9 52.3



#32

1,1,1-Trichloroethane

Concen: 14.066 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

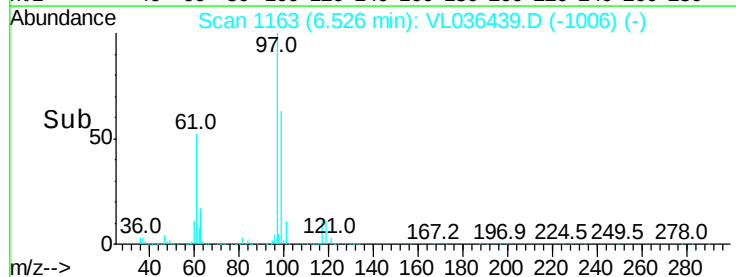
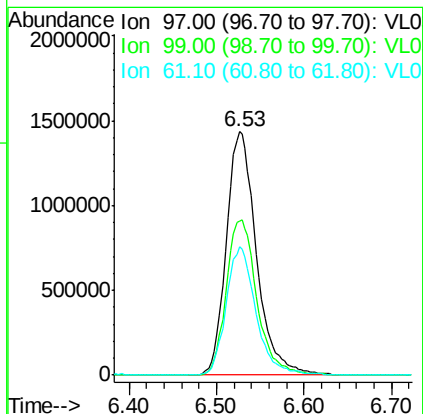
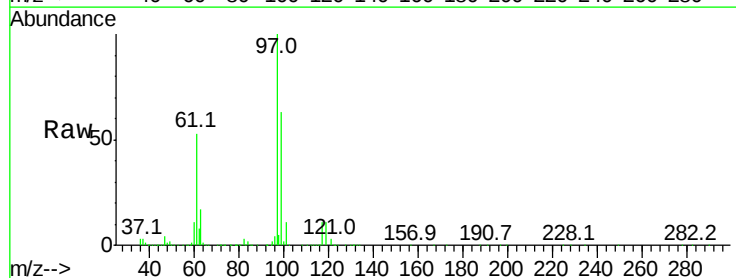
Tgt Ion: 97 Resp: 3435519

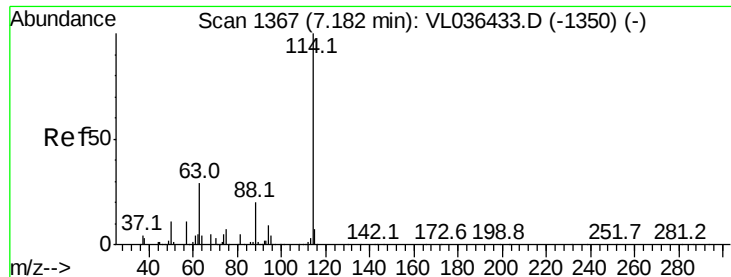
Ion Ratio Lower Upper

97 100

99 65.0 52.1 78.1

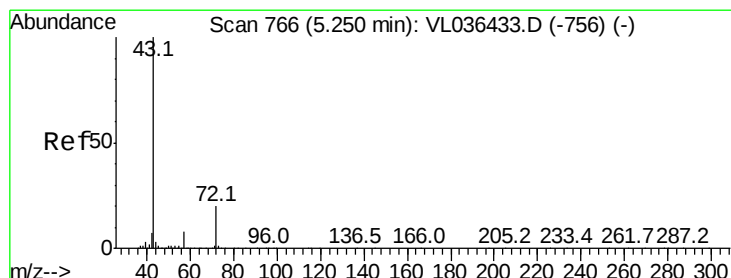
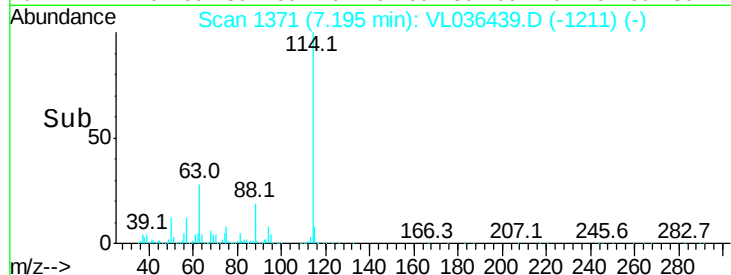
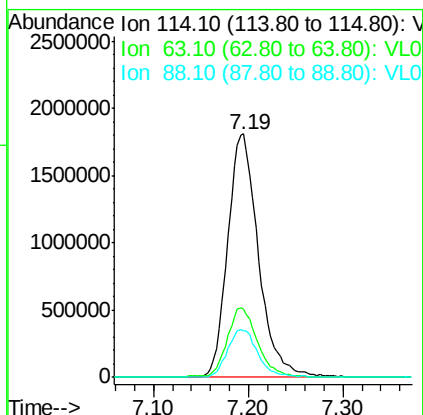
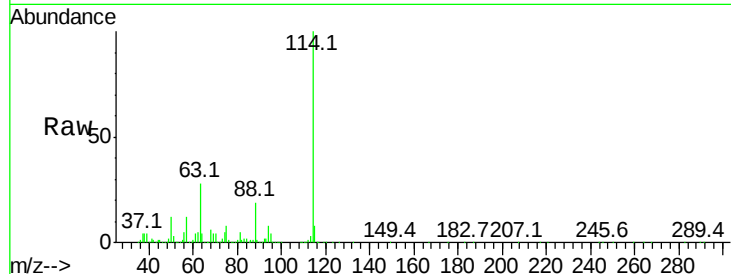
61 52.1 42.2 63.4





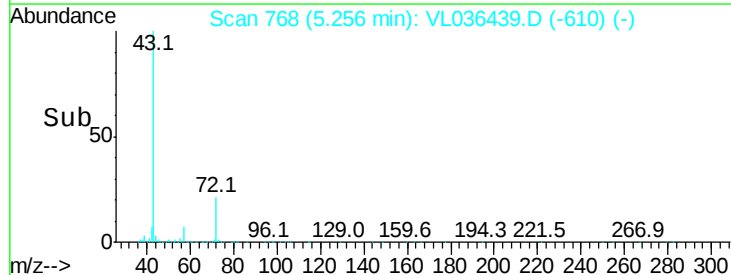
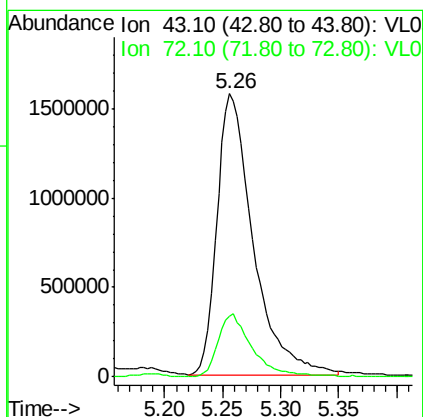
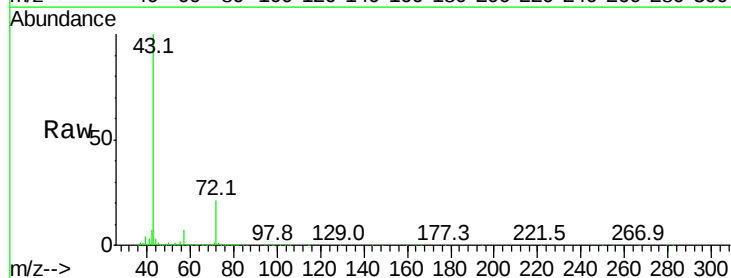
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File: VSTDIC015
 Acq: 3 Mar 2021 13:24

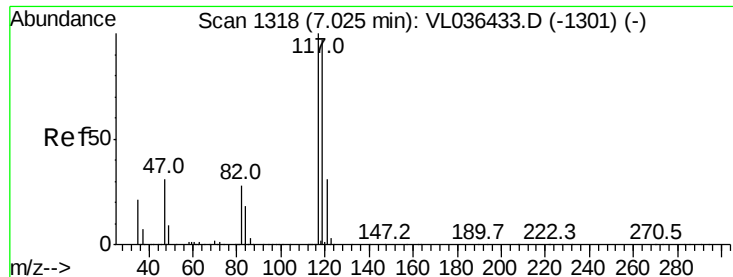
Tgt Ion:114 Resp: 4087066
 Ion Ratio Lower Upper
 114 100
 63 28.7 23.3 34.9
 88 19.7 15.6 23.4



#34
 2-Butanone
 Concen: 12.591 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036439.D
 Acq: 3 Mar 2021 13:24

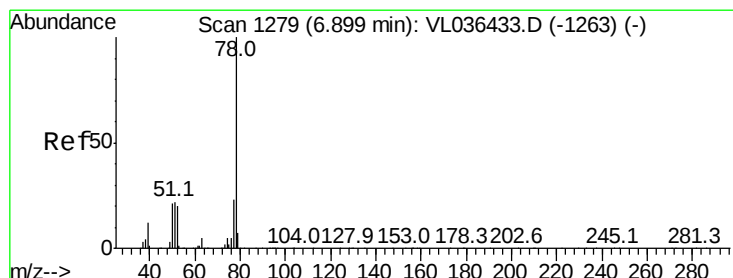
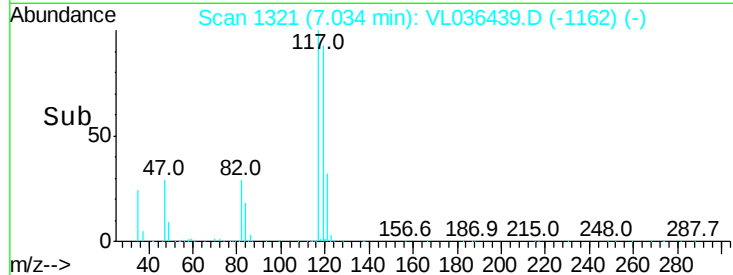
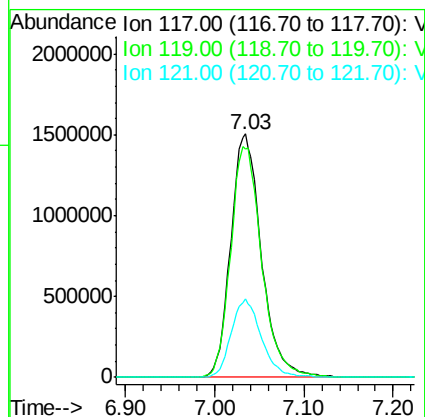
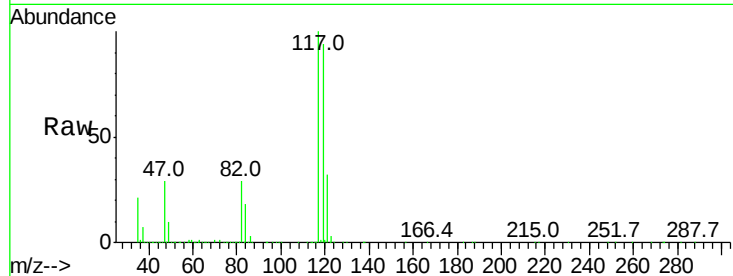
Tgt Ion: 43 Resp: 3419001
 Ion Ratio Lower Upper
 43 100
 72 21.3 16.7 25.1





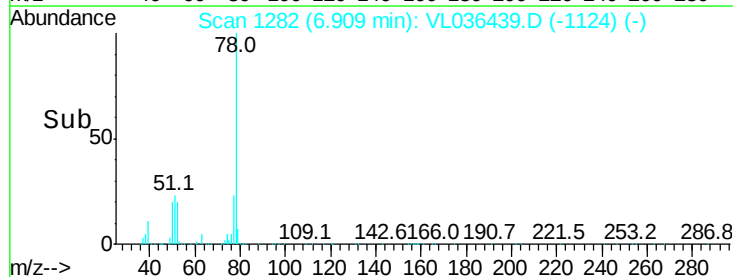
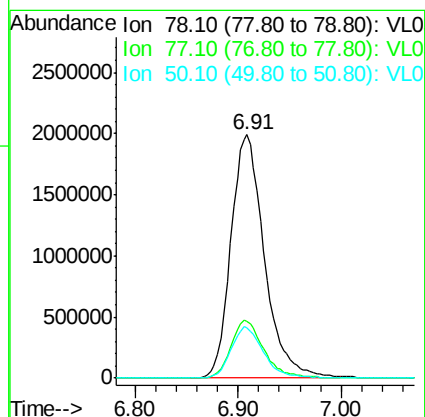
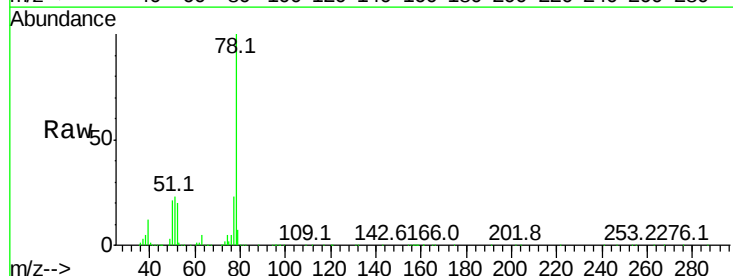
#35
Carbon Tetrachloride
Concen: 13.055 ppbv
RT: 7.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2021 13:24

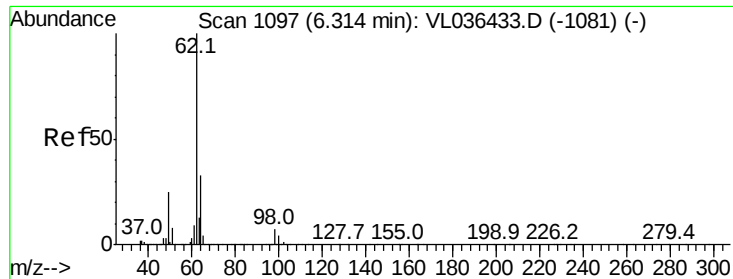
Tgt Ion: 117 Resp: 3576110
Ion Ratio Lower Upper
117 100
119 93.8 77.8 116.6
121 32.3 24.6 36.8



#36
Benzene
Concen: 12.949 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VL036439.D
Acq: 3 Mar 2021 13:24

Tgt Ion: 78 Resp: 4495598
Ion Ratio Lower Upper
78 100
77 23.4 18.1 27.1
50 20.5 16.8 25.2





#37

1,2-Dichloroethane

Concen: 12.697 ppbv

RT: 6.32

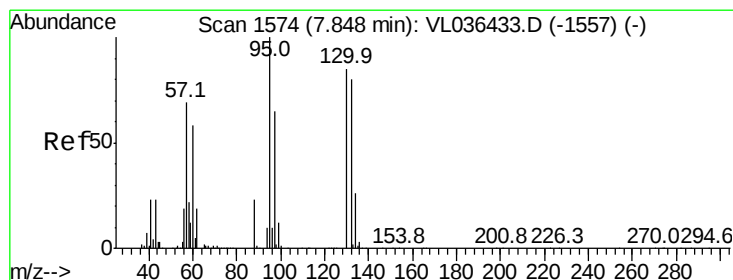
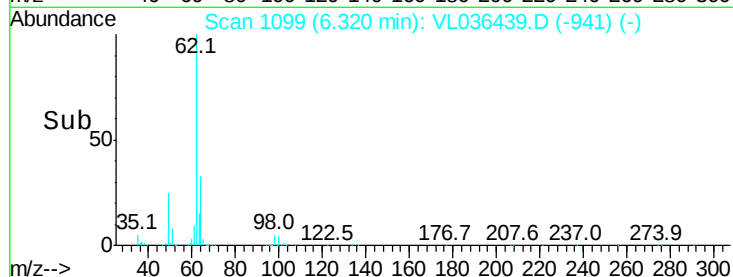
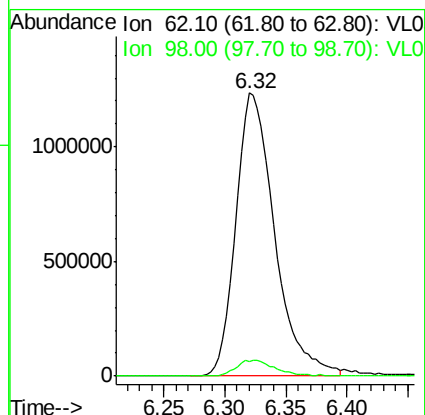
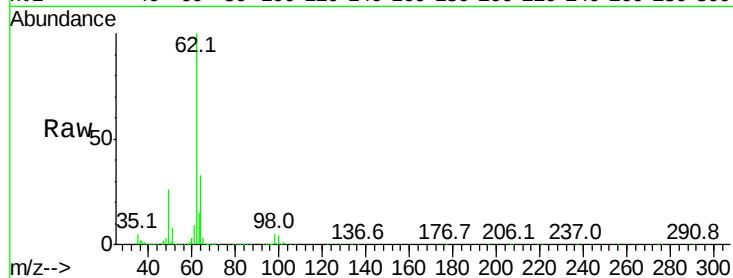
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VSTDIC015

Acq: 3 Mar 2021 13:24

Tgt Ion: 62 Resp: 2725377

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.8	7.2



#38

Trichloroethene

Concen: 12.705 ppbv

RT: 7.85 min Scan# 1575

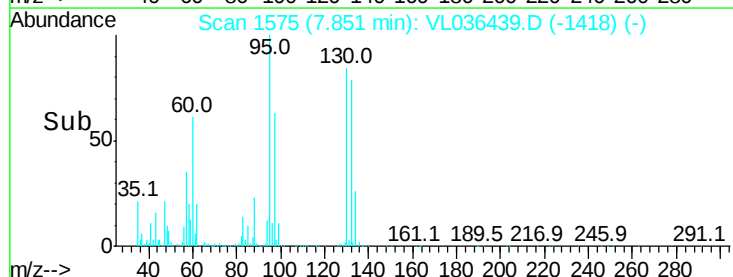
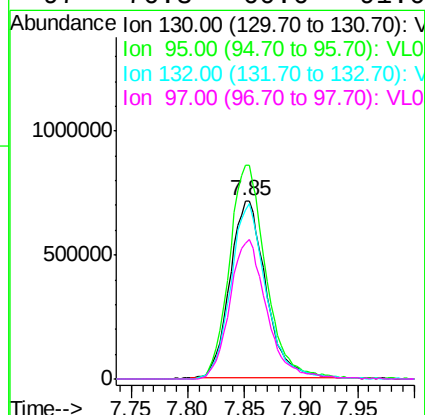
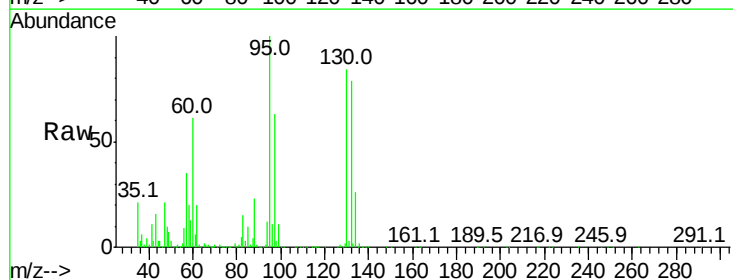
Delta R.T. 0.00 min

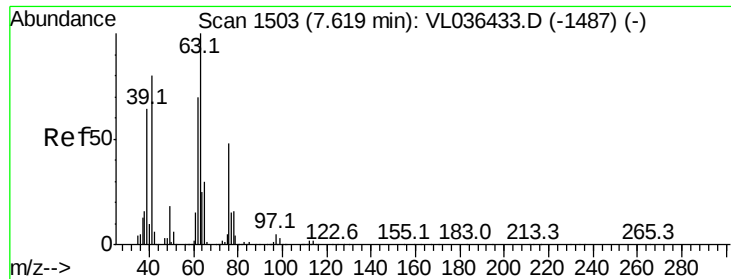
Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

Tgt Ion: 130 Resp: 1580233

Ion	Ratio	Lower	Upper
130	100		
95	120.2	93.8	140.8
132	95.4	74.6	112.0
97	76.3	60.6	91.0





#39

1,2-Dichloropropane

Concen: 12.896 ppbv

RT: 7.63 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24 VSTDIC015

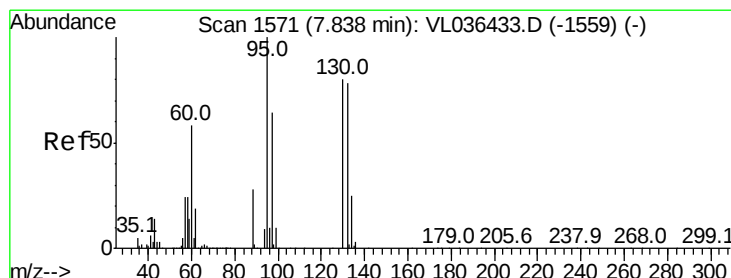
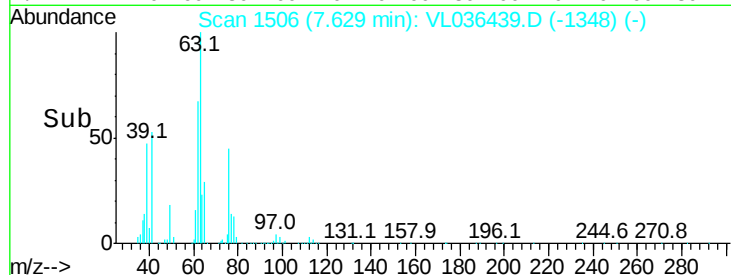
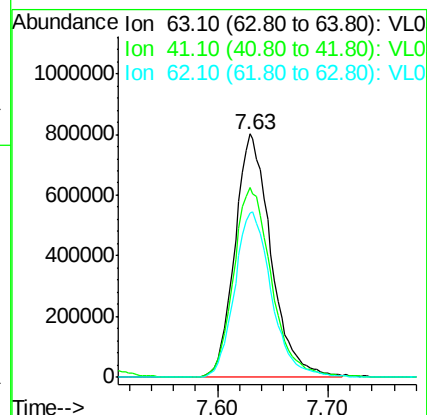
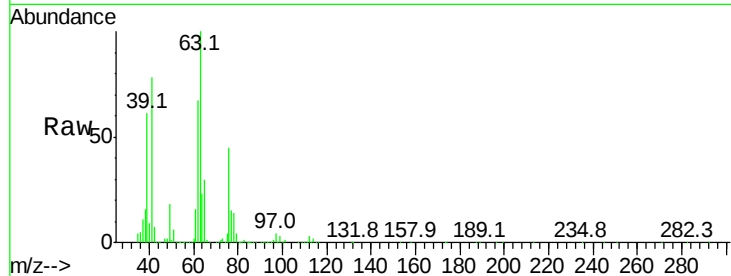
Tgt Ion: 63 Resp: 1818770

Ion Ratio Lower Upper

63 100

41 77.7 64.4 96.6

62 67.3 55.7 83.5



#40

1,4-Dioxane

Concen: 11.306 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

Tgt Ion: 88 Resp: 552469

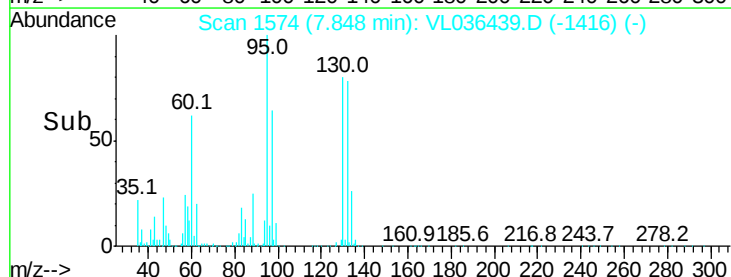
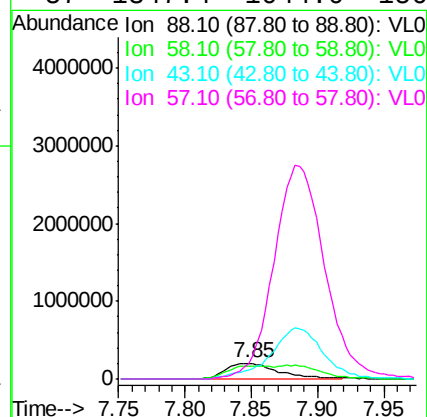
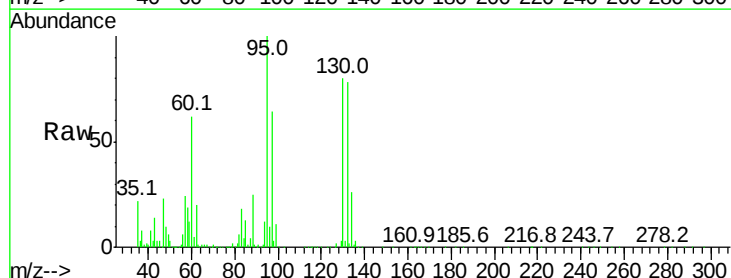
Ion Ratio Lower Upper

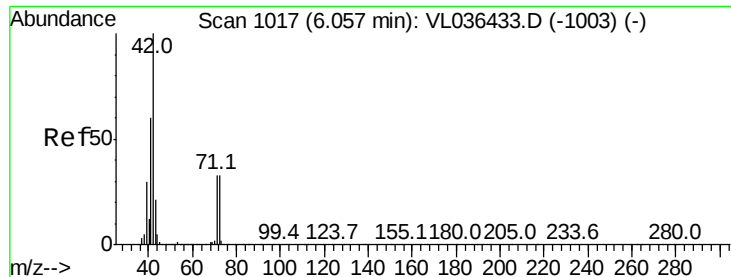
88 100

58 146.3 119.6 179.4

43 335.3 254.2 381.4

57 1347.4 1044.0 1566.0





#41

Tetrahydrofuran

Concen: 13.508 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24 VSTDIC015

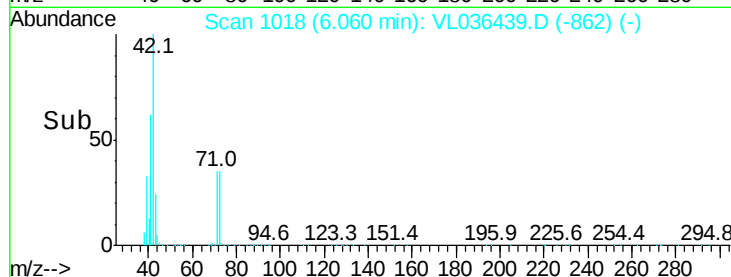
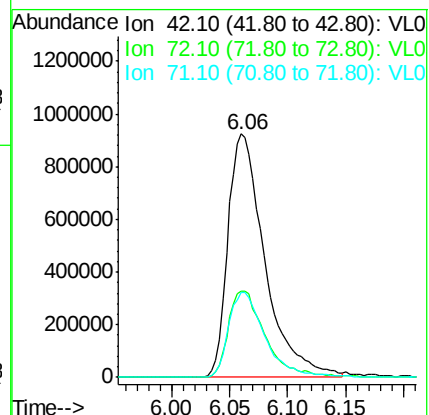
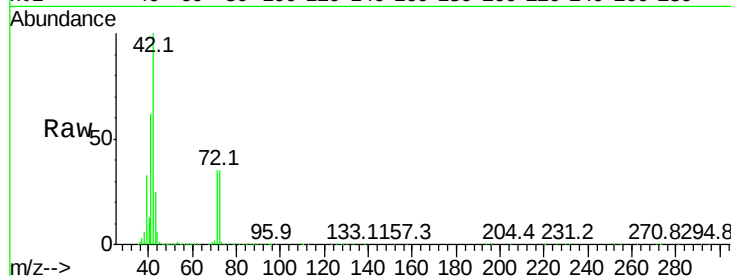
Tgt Ion: 42 Resp: 2047042

Ion Ratio Lower Upper

42 100

72 35.7 28.1 42.1

71 35.1 27.6 41.4



#42

Bromodichloromethane

Concen: 13.037 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

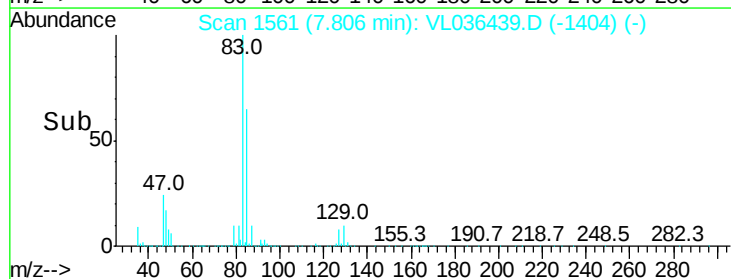
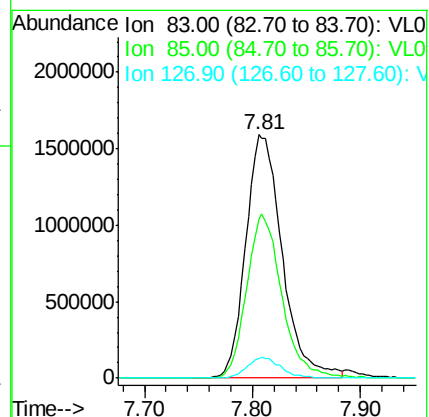
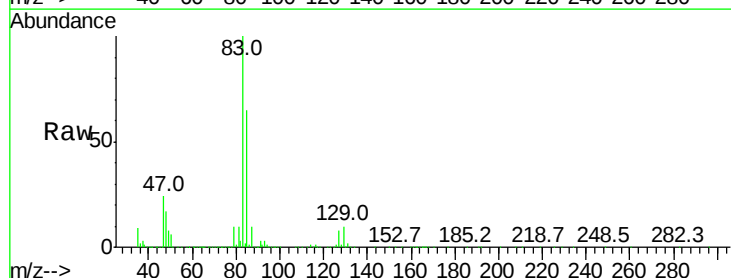
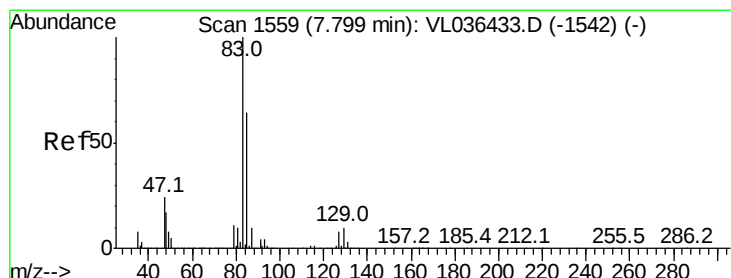
Tgt Ion: 83 Resp: 3747789

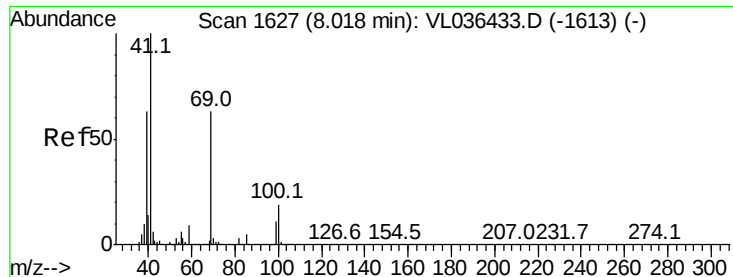
Ion Ratio Lower Upper

83 100

85 65.2 51.2 76.8

127 8.2 6.0 9.0





#43

Methyl Methacrylate

Concen: 13.907 ppbv

RT: 8.03

Instrument: MSVOA_1

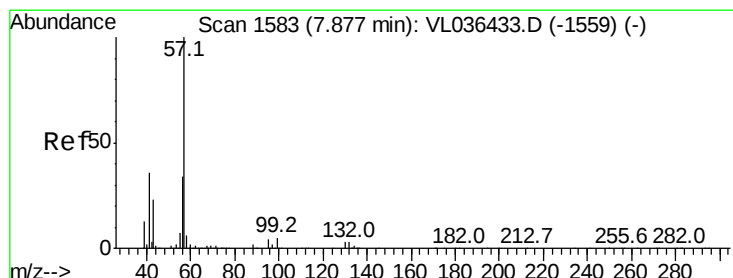
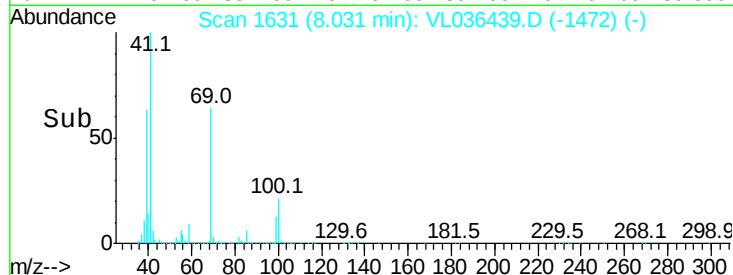
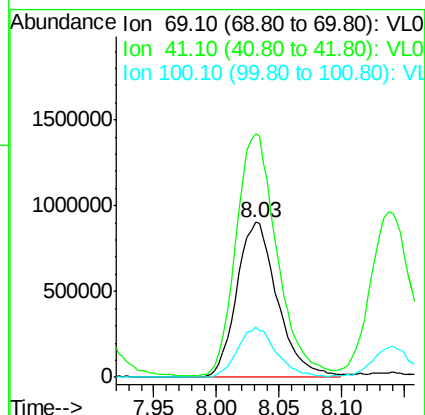
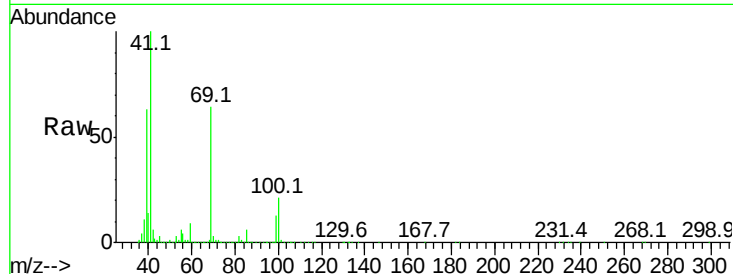
Delta R.T. ClientSampleId:

Lab File: VSTDIC015

Acq: 3 Mar 2021 13:24

Tgt Ion: 69 Resp: 2036222

Ion	Ratio	Lower	Upper
69	100		
41	159.1	127.6	191.4
100	31.1	24.6	37.0



#44

2,2,4-Trimethylpentane

Concen: 11.783 ppbv

RT: 7.88 min Scan# 1585

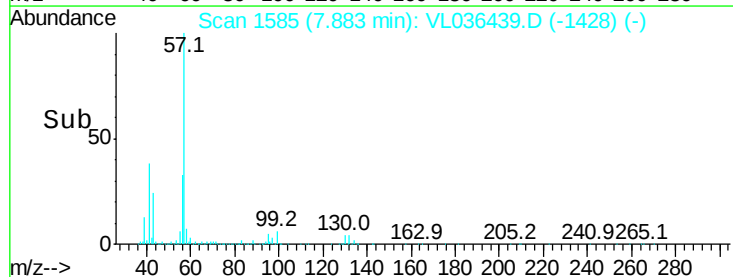
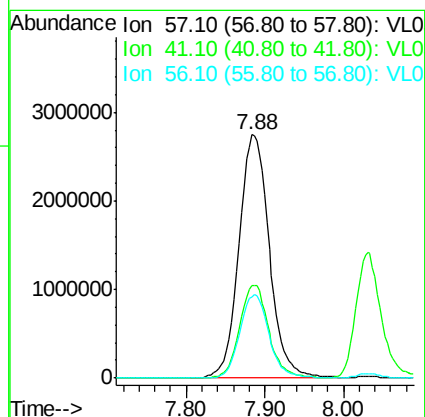
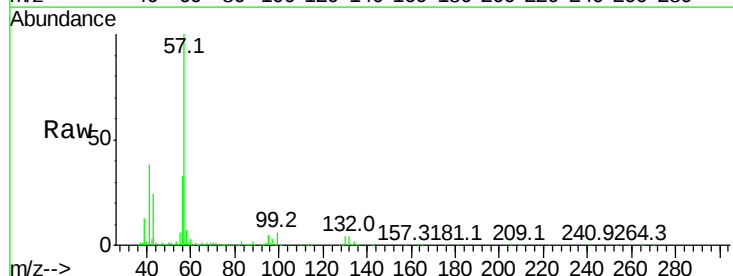
Delta R.T. 0.01 min

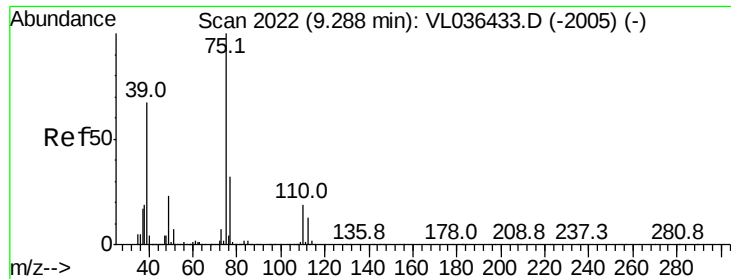
Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

Tgt Ion: 57 Resp: 7438848

Ion	Ratio	Lower	Upper
57	100		
41	36.6	28.2	42.2
56	33.0	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 15.687 ppbv

RT: 9.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

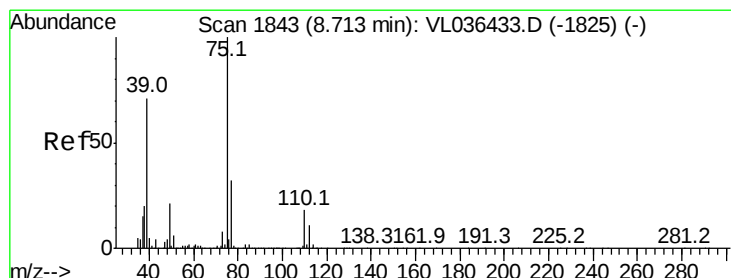
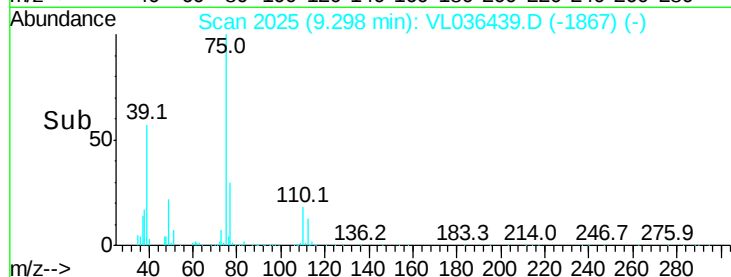
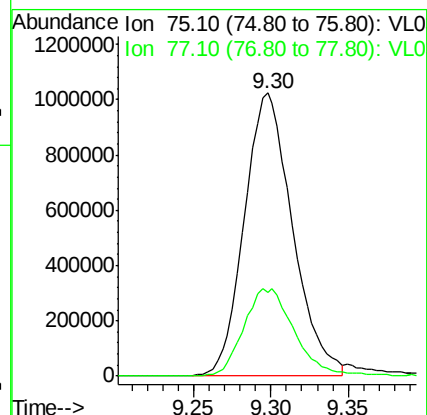
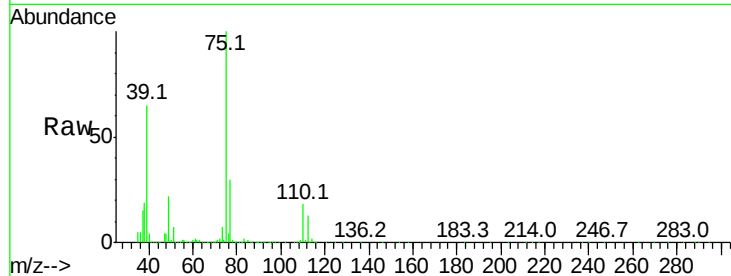
Acq: 3 Mar 2021 13:24 VSTDIC015

Tgt Ion: 75 Resp: 2215753

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 14.922 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

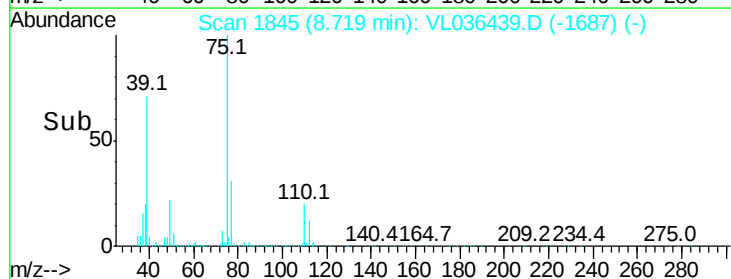
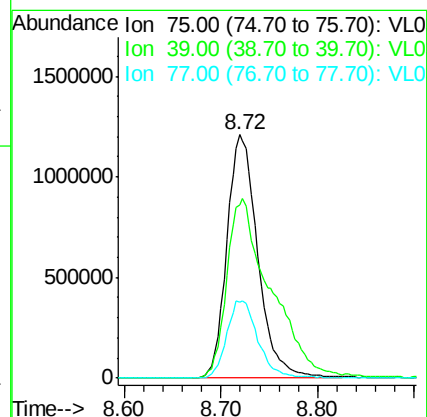
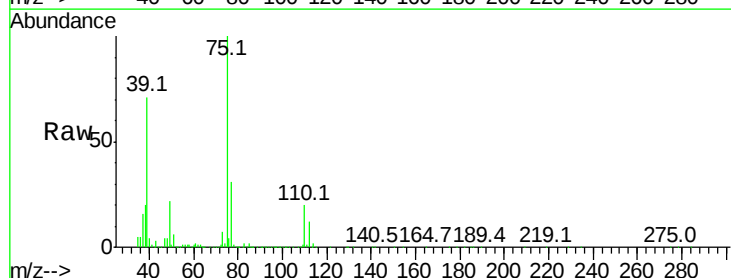
Tgt Ion: 75 Resp: 2677367

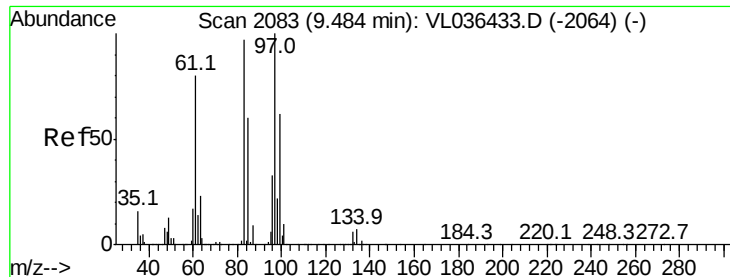
Ion Ratio Lower Upper

75 100

39 71.3 57.1 85.7

77 31.2 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 12.709 ppbv

RT: 9.49

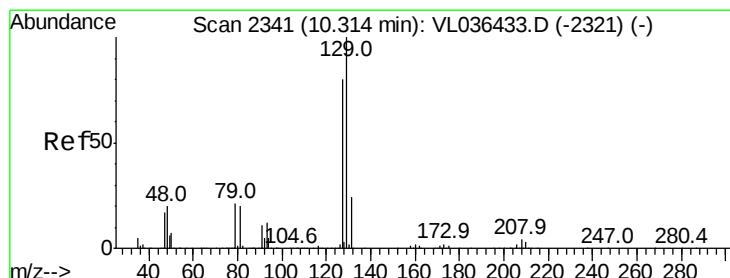
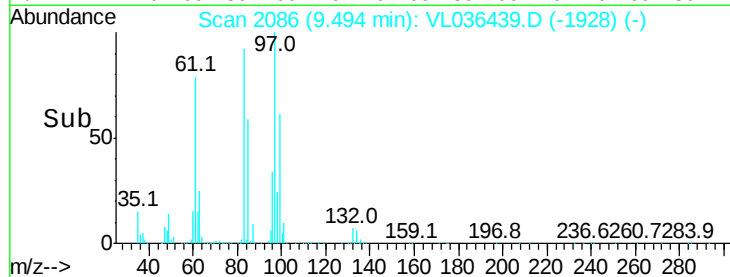
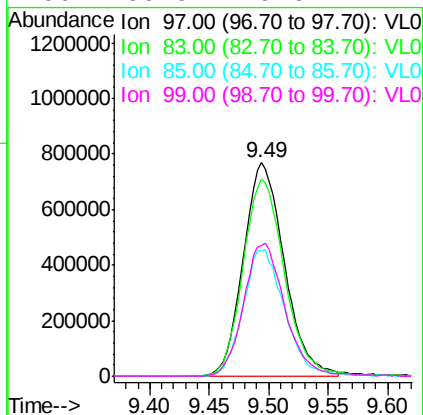
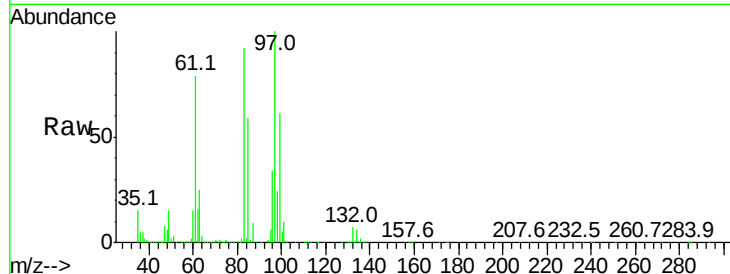
Delta R.T. MSVOA_1

Lab File: ClientSampleId : VSTDIC015

Acq: 3 Mar 2021 13:24

Tgt Ion: 97 Resp: 1834340

Ion	Ratio	Lower	Upper
97	100		
83	92.2	77.8	116.8
85	59.0	47.6	71.4
99	60.9	49.6	74.4



#48

Dibromochloromethane

Concen: 14.496 ppbv

RT: 10.32 min Scan# 2344

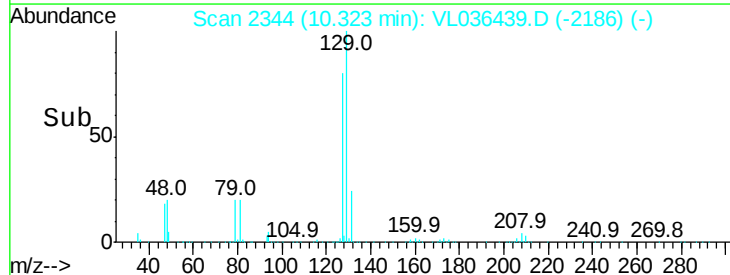
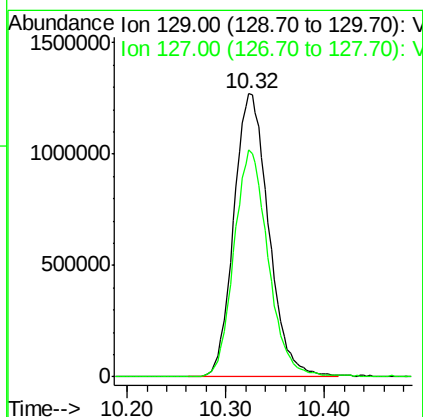
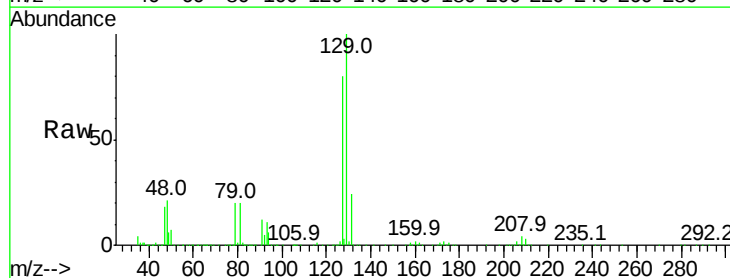
Delta R.T. 0.01 min

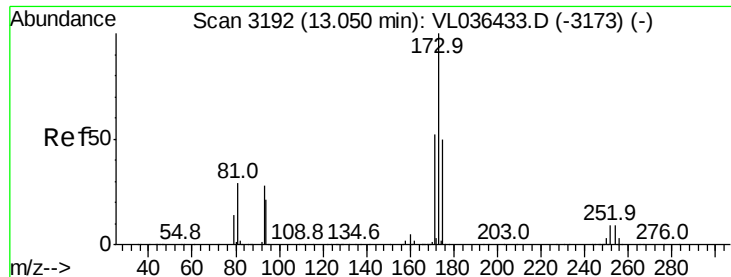
Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

Tgt Ion: 129 Resp: 3122075

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.1





#49

Bromoform

Concen: 15.228 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2021 13:24

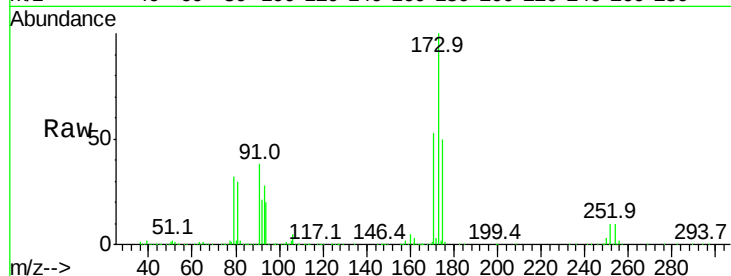
Tgt Ion:173 Resp: 2651364

Ion Ratio Lower Upper

173 100

175 50.0 40.7 61.1

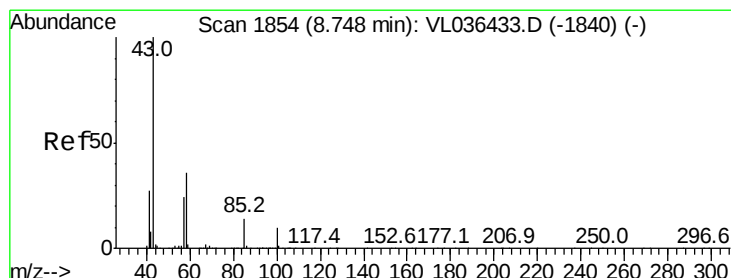
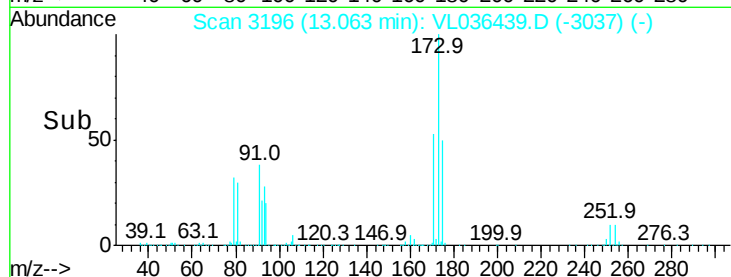
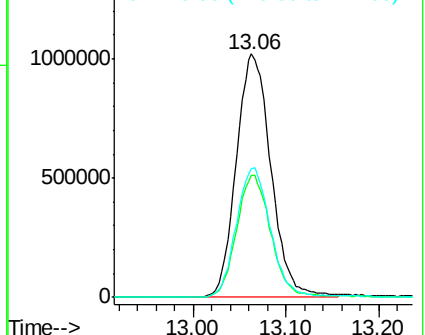
171 53.1 43.0 64.4



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: 12.883 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL036439.D

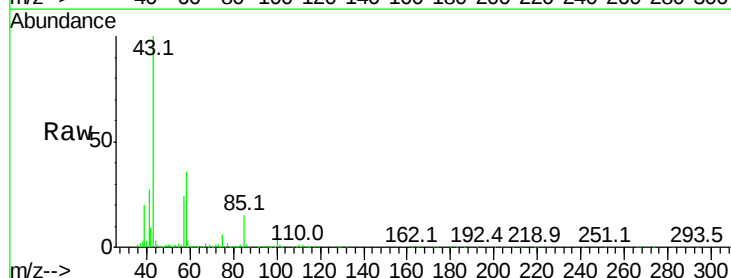
Acq: 3 Mar 2021 13:24

Tgt Ion: 43 Resp: 5193405

Ion Ratio Lower Upper

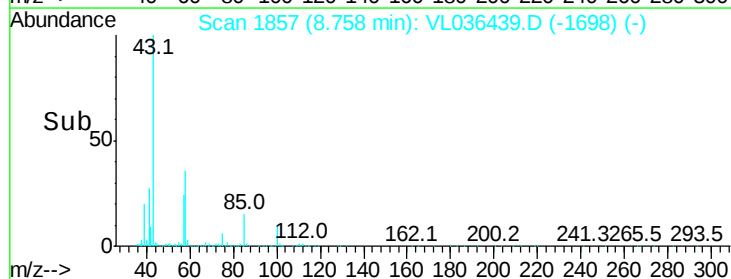
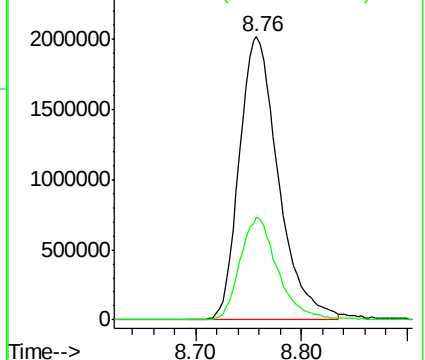
43 100

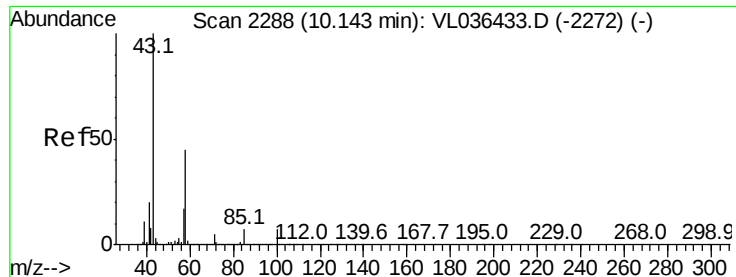
58 35.2 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

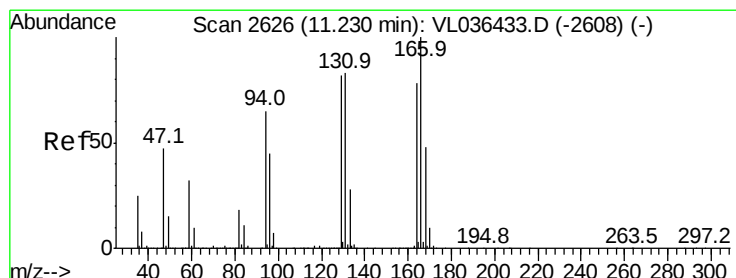
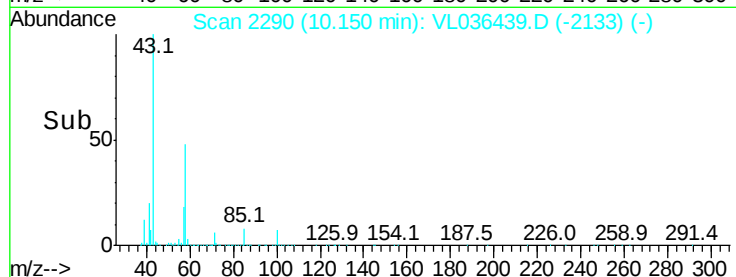
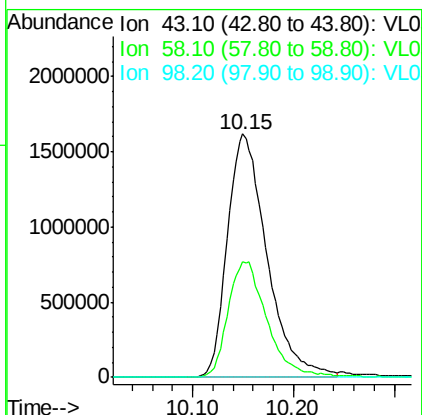
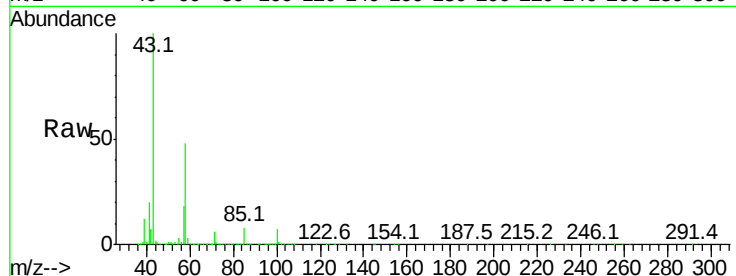
Ion 58.10 (57.80 to 58.80): VL0





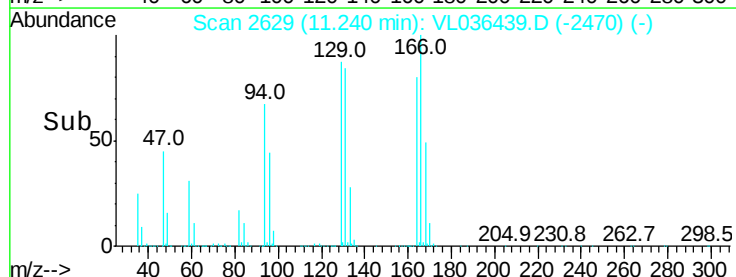
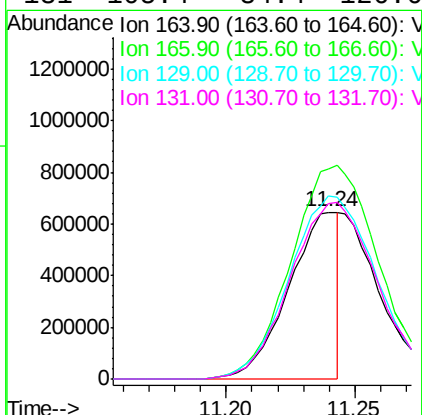
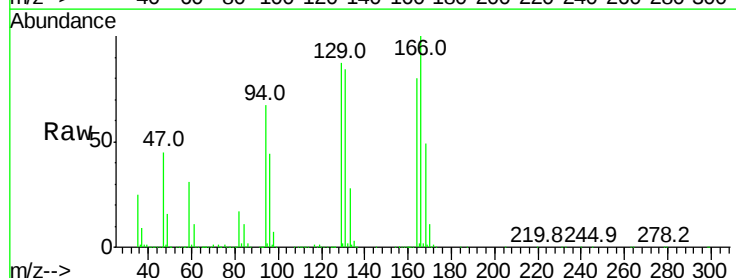
#51
2-Hexanone
Concen: 14.366 ppbv
RT: 10.15 min
Delta R.T.: 0.01 min
Lab File: VSTDIC015
Acq: 3 Mar 2021 13:24

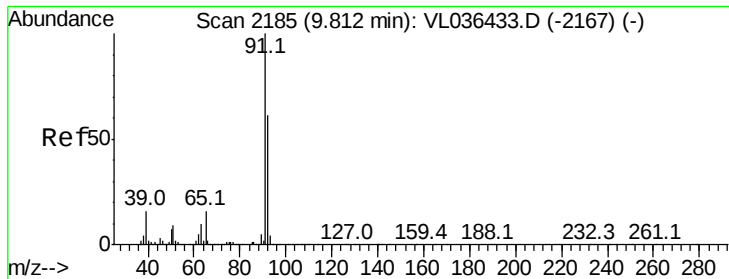
Tgt Ion: 43 Resp: 4400458
Ion Ratio Lower Upper
43 100
58 47.3 37.8 56.8
98 0.2 0.2 0.4#



#52
Tetrachloroethene
Concen: 6.803 ppbv
RT: 11.24 min Scan# 2629
Delta R.T.: 0.01 min
Lab File: VL036439.D
Acq: 3 Mar 2021 13:24

Tgt Ion: 164 Resp: 864633
Ion Ratio Lower Upper
164 100
166 125.5 102.0 153.0
129 109.4 83.3 124.9
131 105.4 84.4 126.6





#53

Toluene

Concen: 13.466 ppbv

RT: 9.83

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

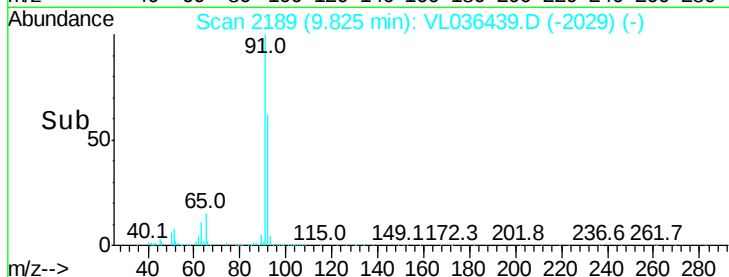
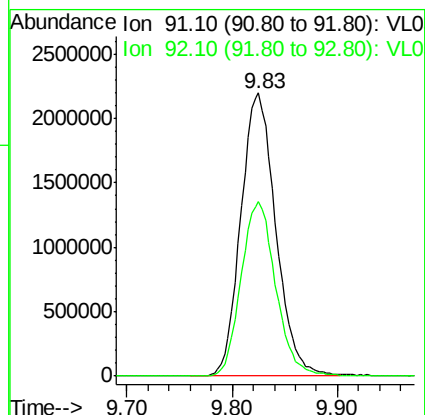
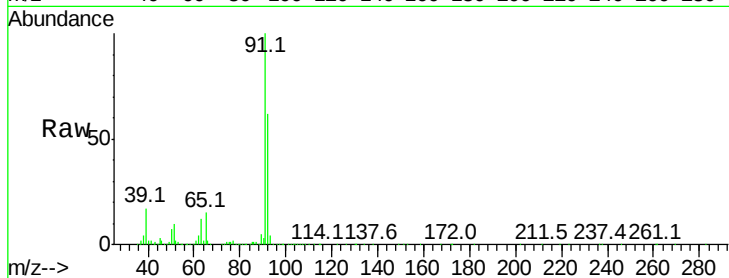
Acq: 3 Mar 2021 13:24

Tgt Ion: 91 Resp: 5063922

Ion Ratio Lower Upper

91 100

92 61.1 49.0 73.6



#54

1,2-Dibromoethane

Concen: 13.136 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.01 min

Lab File: VL036439.D

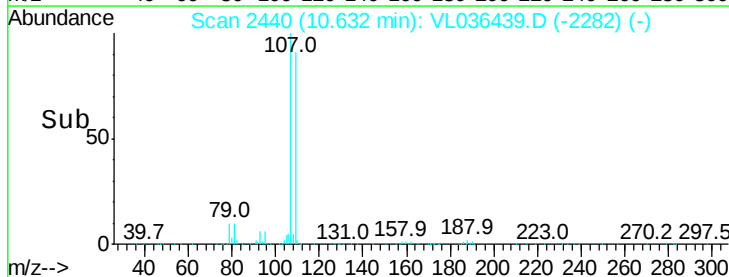
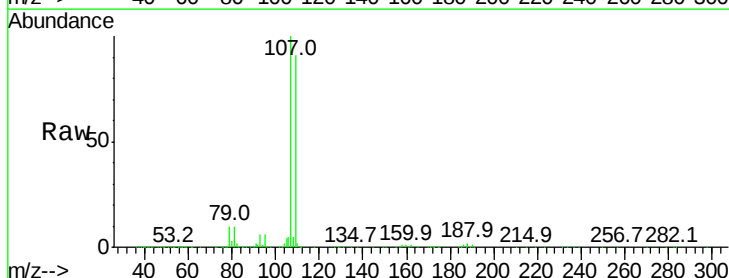
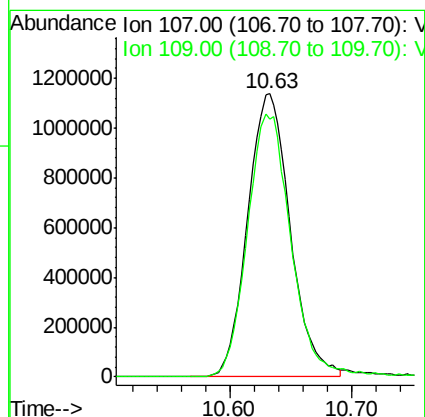
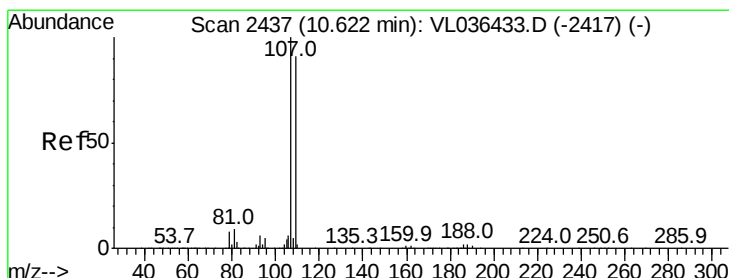
Acq: 3 Mar 2021 13:24

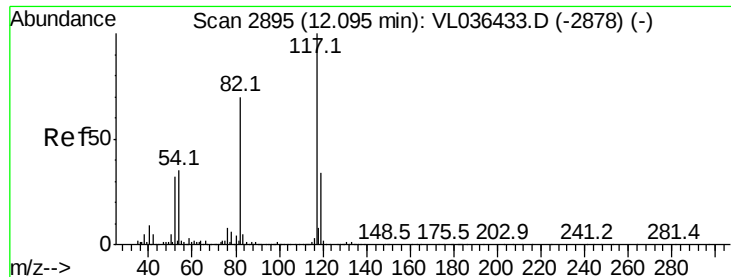
Tgt Ion: 107 Resp: 2739803

Ion Ratio Lower Upper

107 100

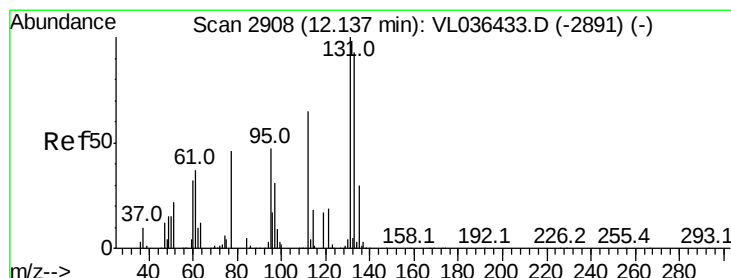
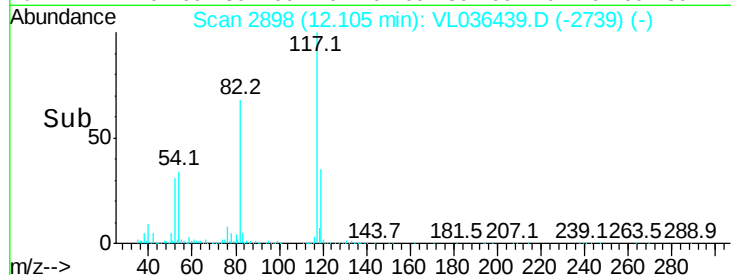
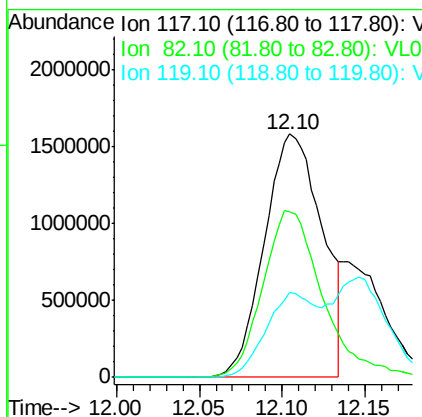
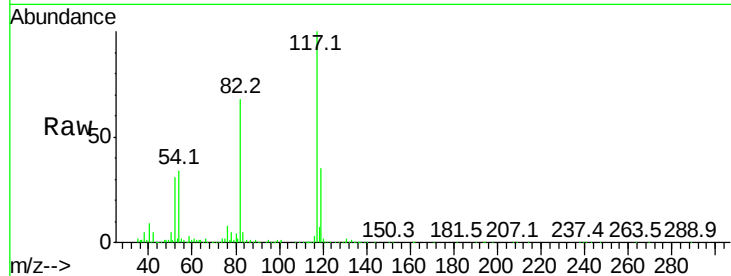
109 91.3 73.0 109.6





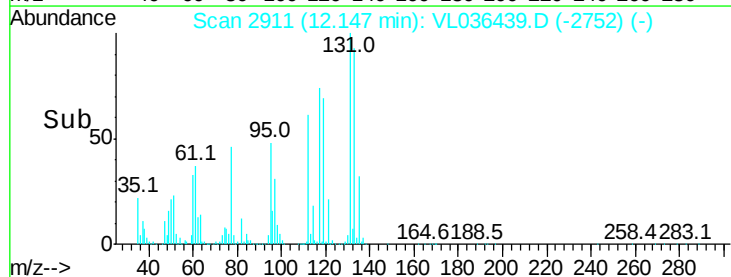
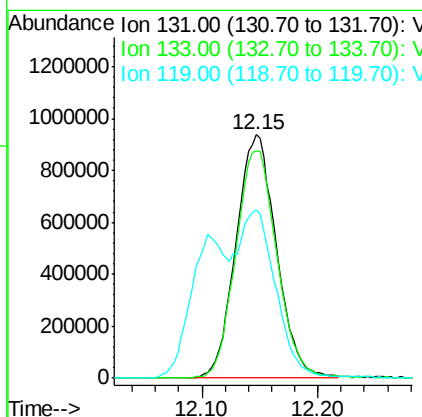
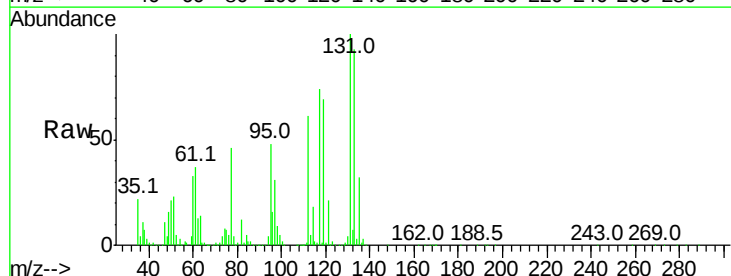
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId: VSTDIC015
Acq: 3 Mar 2021 13:24

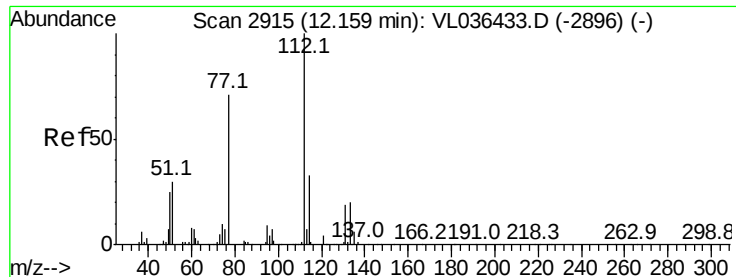
Tgt Ion: 117 Resp: 3822740
Ion Ratio Lower Upper
117 100
82 72.5 56.5 84.7
119 26.4 27.0 40.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 12.887 ppbv
RT: 12.15 min Scan# 2911
Delta R.T.: 0.01 min
Lab File: VL036439.D
Acq: 3 Mar 2021 13:24

Tgt Ion: 131 Resp: 2265837
Ion Ratio Lower Upper
131 100
133 96.3 76.4 114.6
119 74.6 112.8 169.2#





#57

Chlorobenzene

Concen: 12.530 ppbv

RT: 12.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24

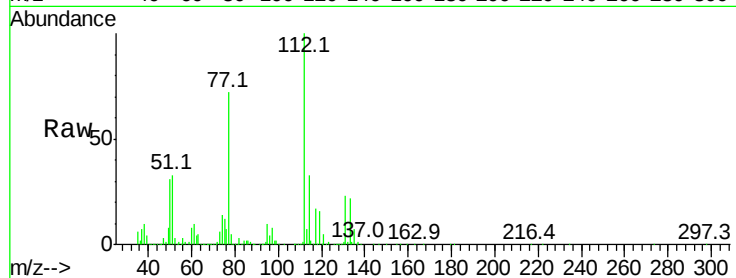
Tgt Ion: 112 Resp: 3700740

Ion Ratio Lower Upper

112 100

77 71.0 57.6 86.4

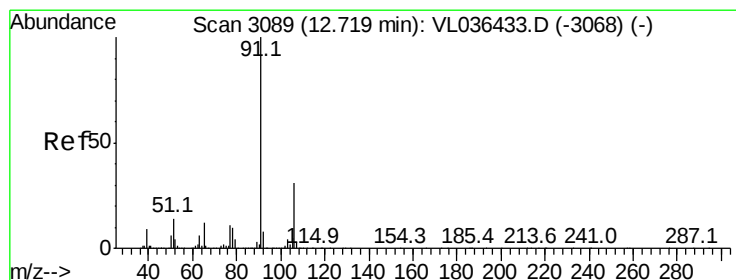
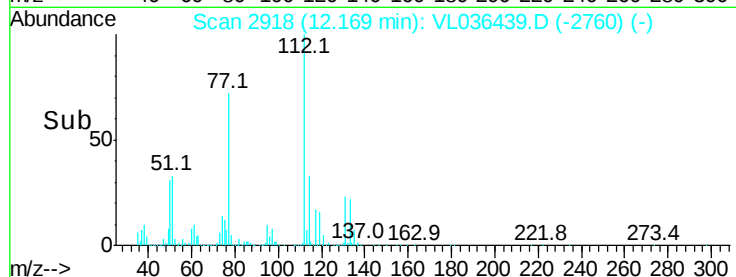
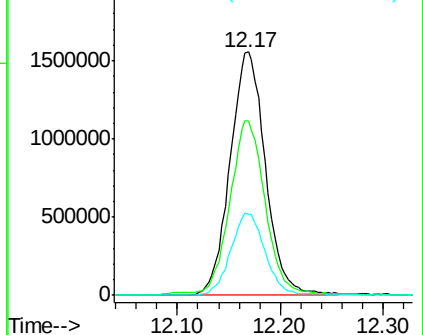
114 33.2 29.5 36.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 12.957 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.01 min

Lab File: VL036439.D

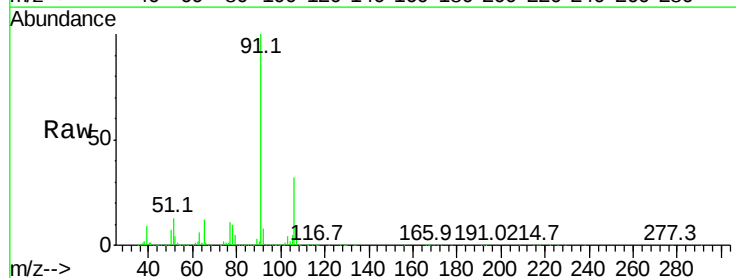
Acq: 3 Mar 2021 13:24

Tgt Ion: 91 Resp: 6782540

Ion Ratio Lower Upper

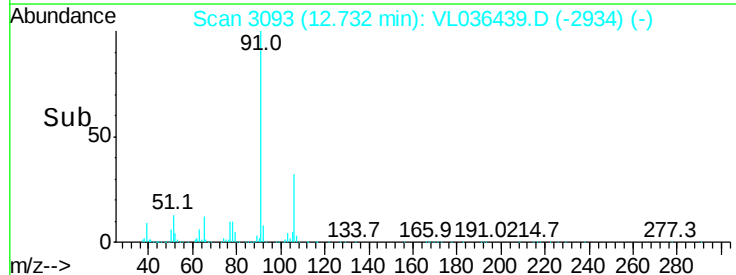
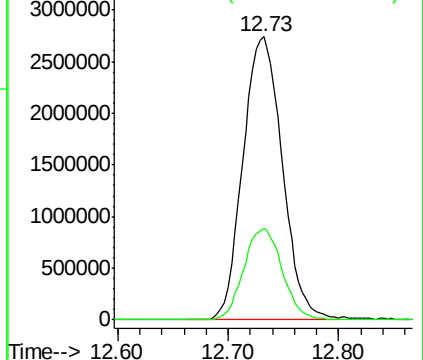
91 100

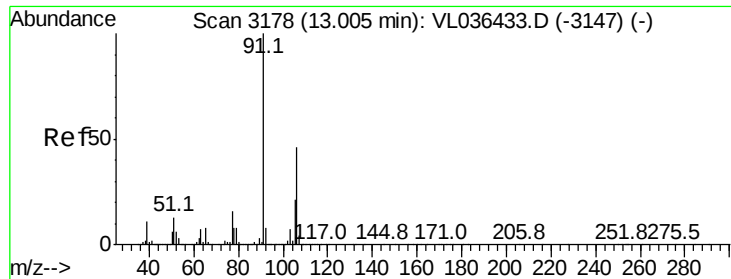
106 32.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

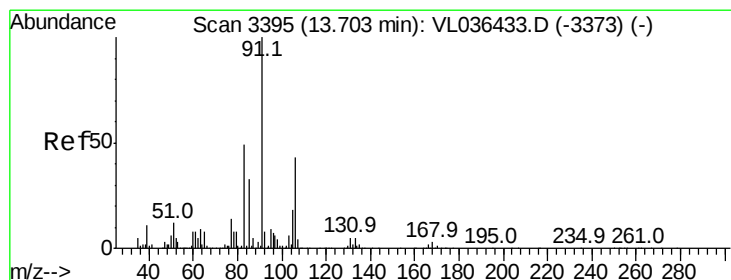
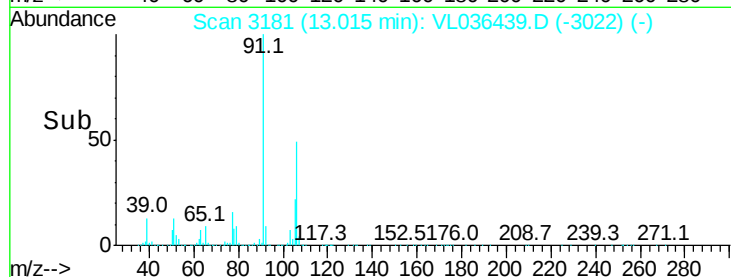
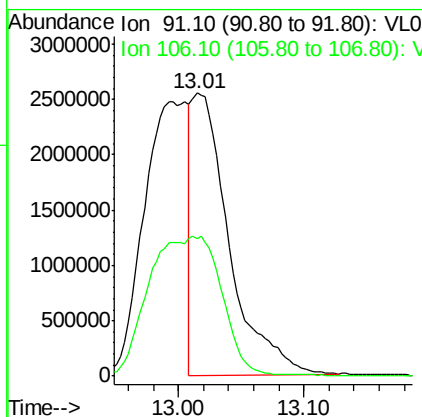
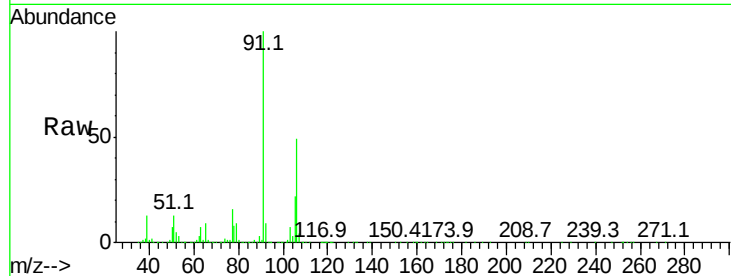
Ion 106.10 (105.80 to 106.80): V





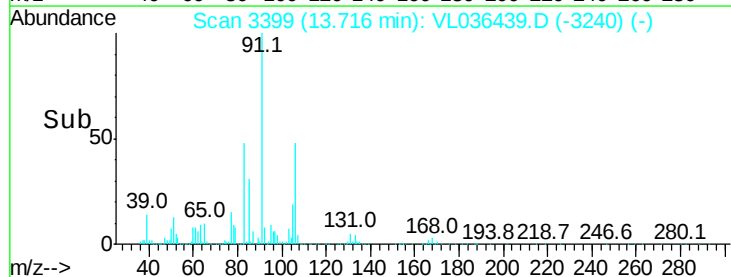
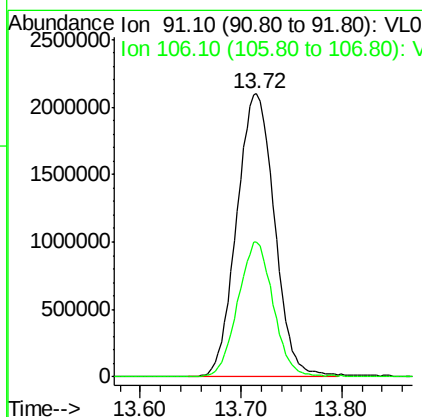
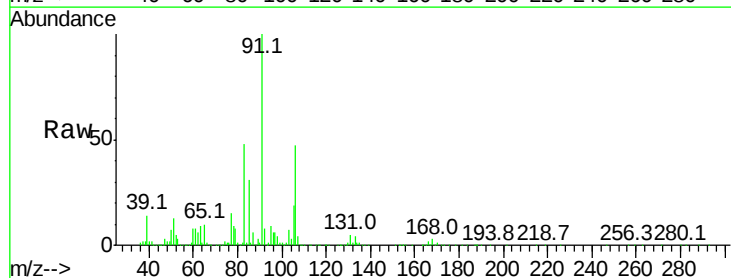
#59
m/p-Xylene
Concen: 11.383 ppbv
RT: 13.01 min
Delta R.T. 0.01 min
Lab File: VSTDIC015
Acq: 3 Mar 2021 13:24

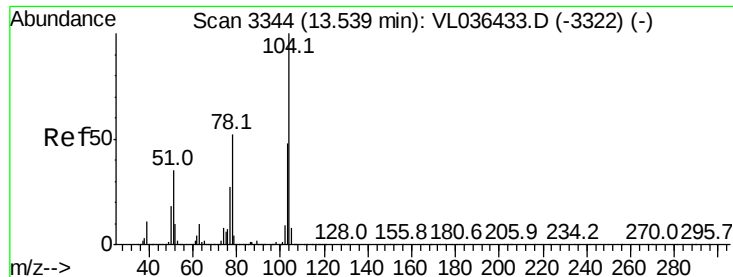
Tgt Ion: 91 Resp: 5233828
Ion Ratio Lower Upper
91 100
106 98.1 35.0 52.4#



#60
o-Xylene
Concen: 12.367 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.01 min
Lab File: VL036439.D
Acq: 3 Mar 2021 13:24

Tgt Ion: 91 Resp: 5436472
Ion Ratio Lower Upper
91 100
106 45.2 21.9 65.8





#61

Styrene

Concen: 14.773 ppbv

RT: 13.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24

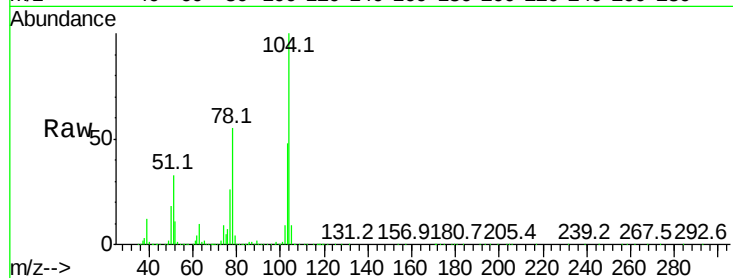
Tgt Ion:104 Resp: 4024931

Ion Ratio Lower Upper

104 100

78 55.9 44.2 66.4

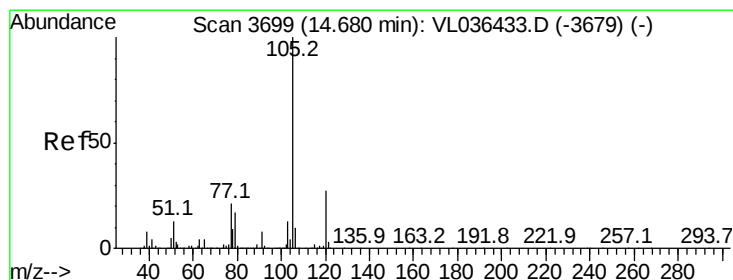
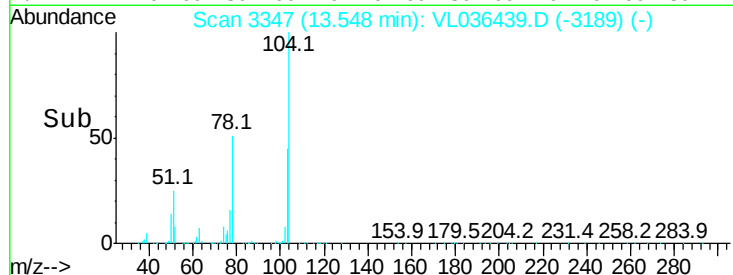
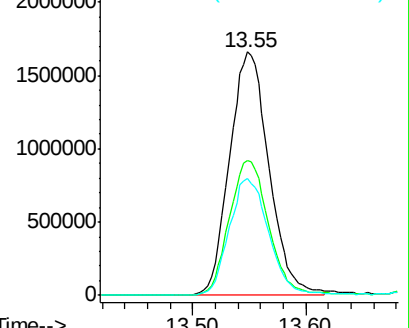
103 48.7 38.6 57.8



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: 12.219 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.01 min

Lab File: VL036439.D

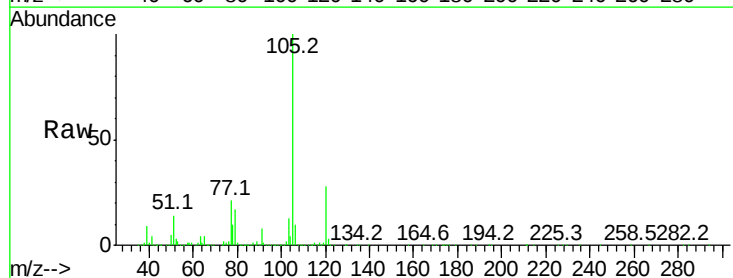
Acq: 3 Mar 2021 13:24

Tgt Ion:105 Resp: 8051889

Ion Ratio Lower Upper

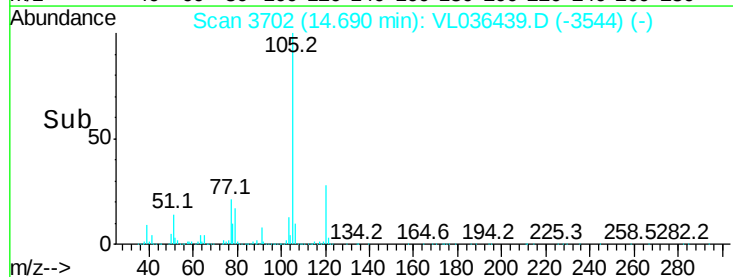
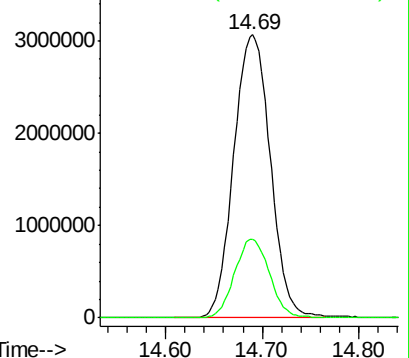
105 100

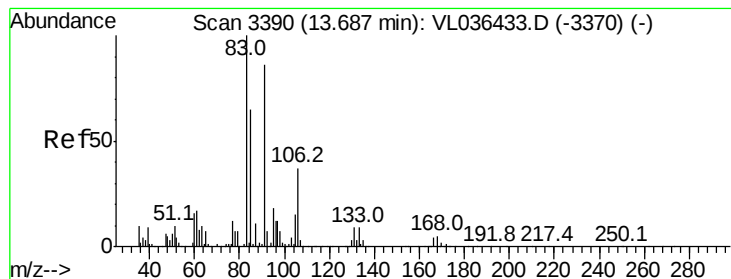
120 26.8 20.9 31.3



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: 11.210 ppbv

RT: 13.70

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24

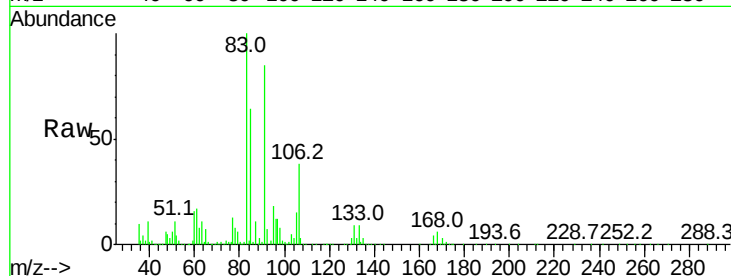
Tgt Ion: 83 Resp: 3888399

Ion Ratio Lower Upper

83 100

131 9.4 4.5 13.7

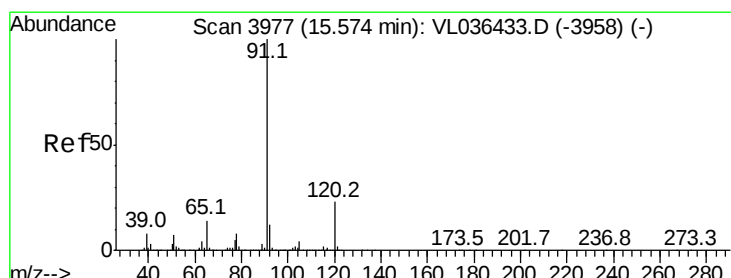
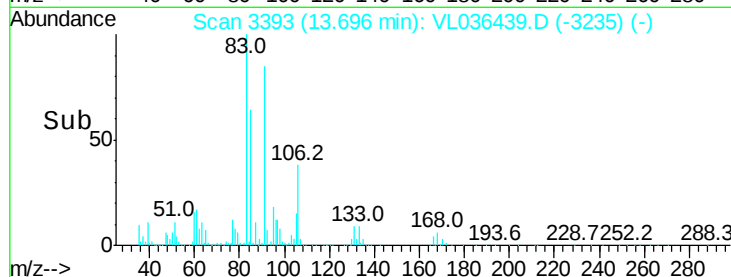
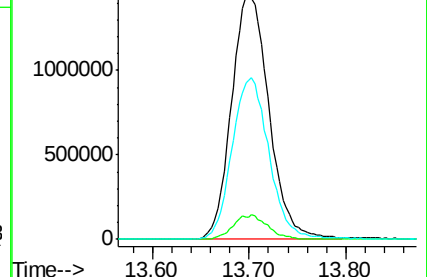
85 65.8 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 13.541 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.01 min

Lab File: VL036439.D

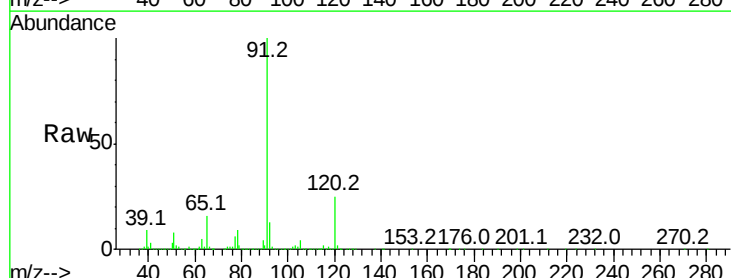
Acq: 3 Mar 2021 13:24

Tgt Ion:120 Resp: 2195993

Ion Ratio Lower Upper

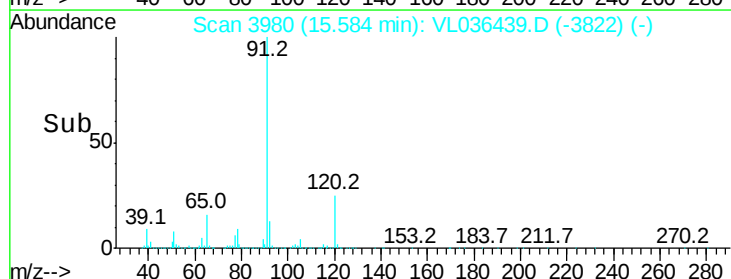
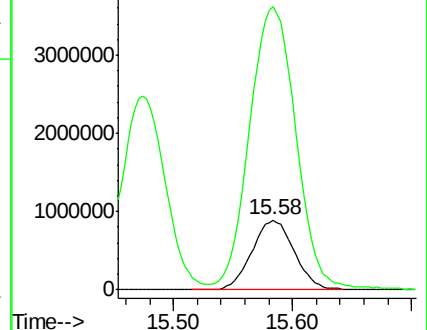
120 100

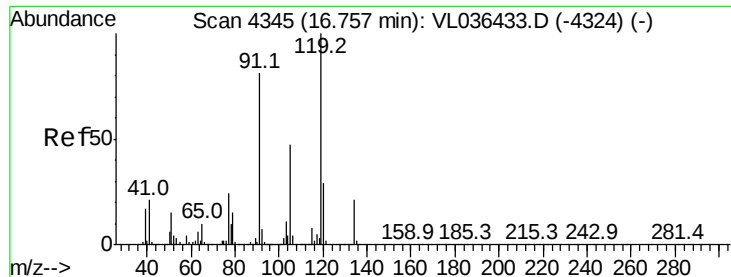
91 445.4 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 12.284 ppbv

RT: 16.77

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2021 13:24

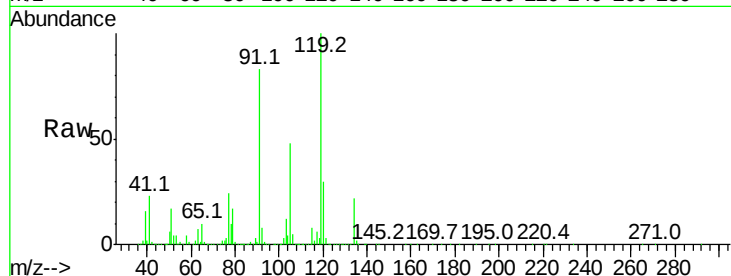
Tgt Ion:119 Resp: 6925441

Ion Ratio Lower Upper

119 100

91 84.3 67.9 101.9

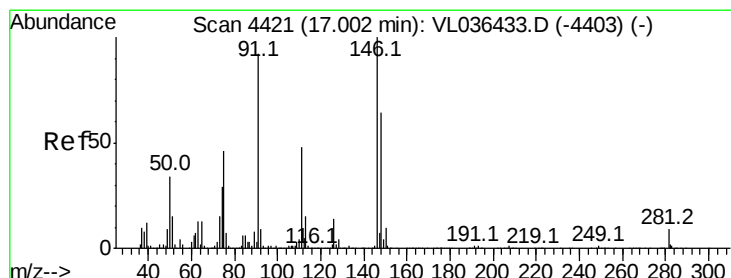
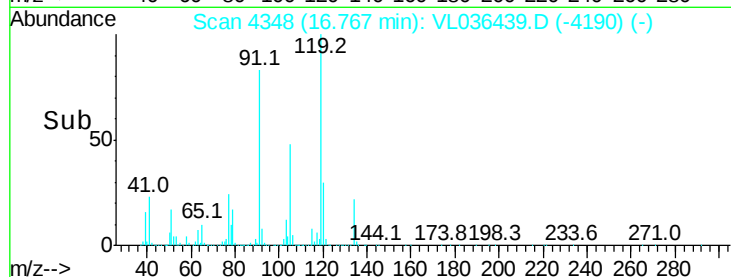
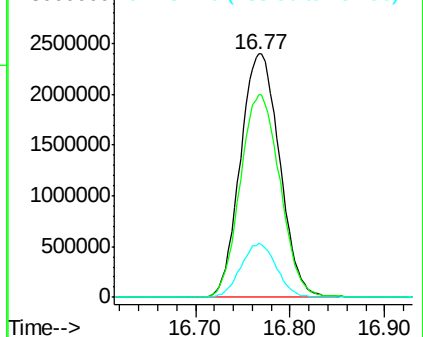
134 20.2 16.0 24.0



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: 18.235 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

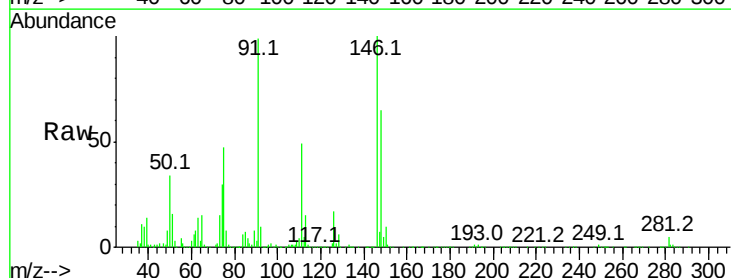
Tgt Ion: 91 Resp: 2795002

Ion Ratio Lower Upper

91 100

126 16.9 12.9 19.3

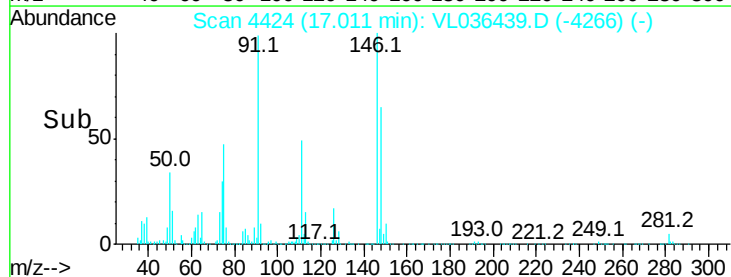
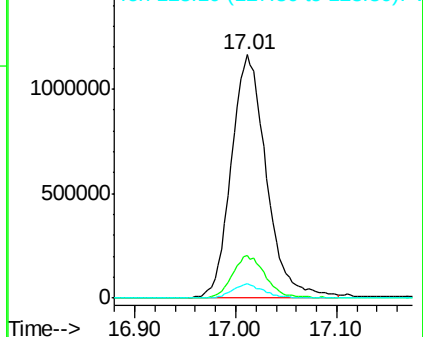
128 5.5 4.0 6.0

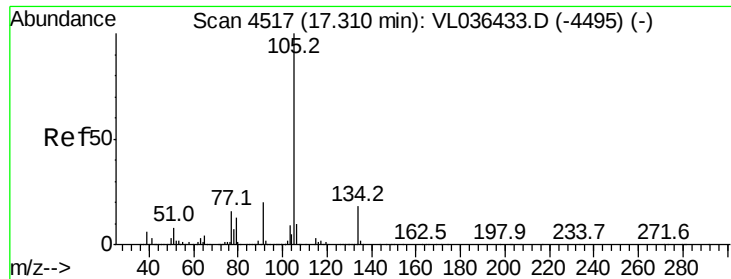


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

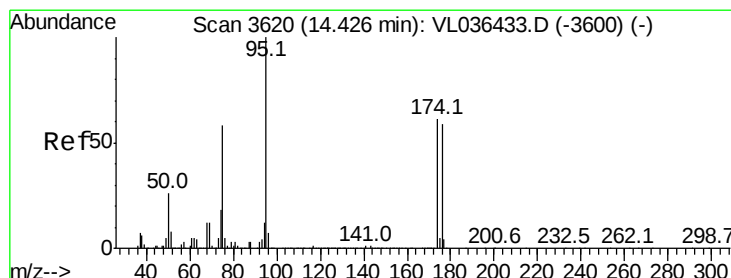
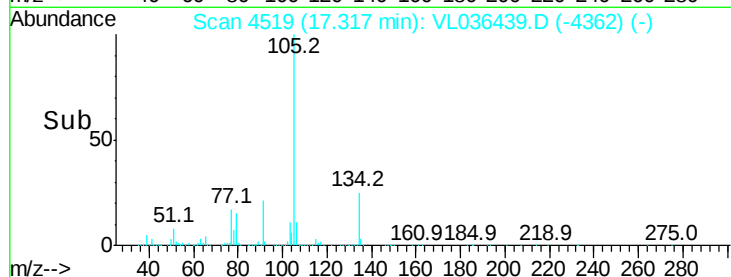
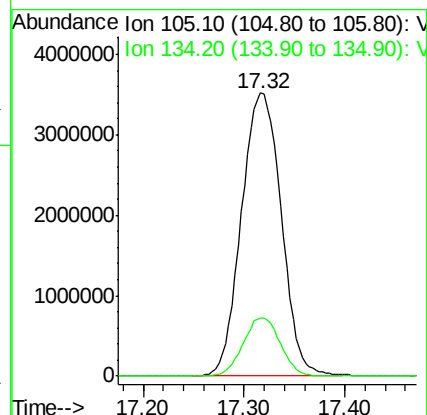
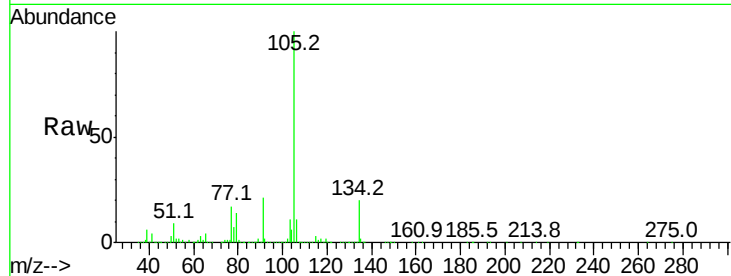
Ion 128.10 (127.80 to 128.80): V





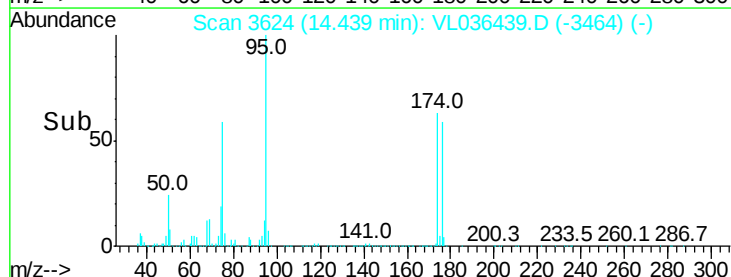
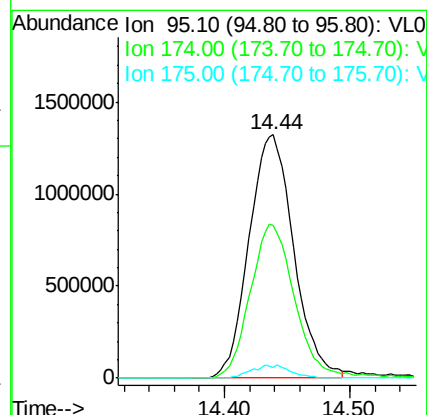
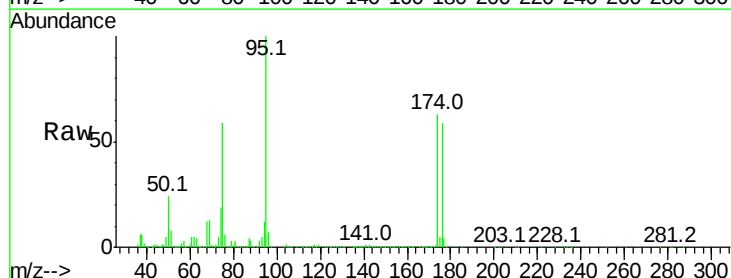
#67
 sec-Butylbenzene
 Concen: 11.828 ppbv
 RT: 17.32
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDIC015
 Acq: 3 Mar 2021 13:24

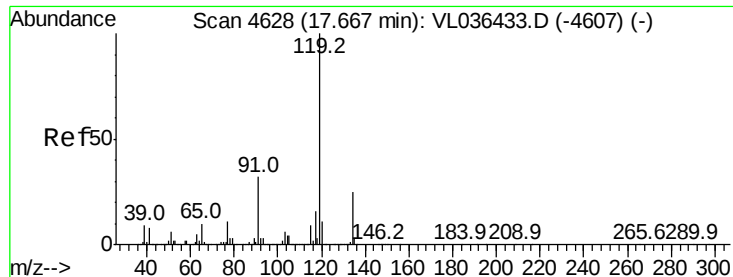
Tgt Ion: 105 Resp: 9616996
 Ion Ratio Lower Upper
 105 100
 134 19.5 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.386 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T.: 0.01 min
 Lab File: VL036439.D
 Acq: 3 Mar 2021 13:24

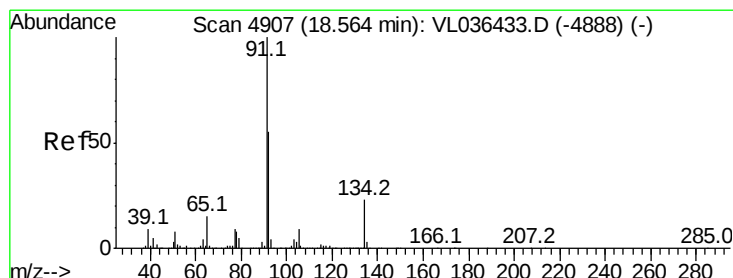
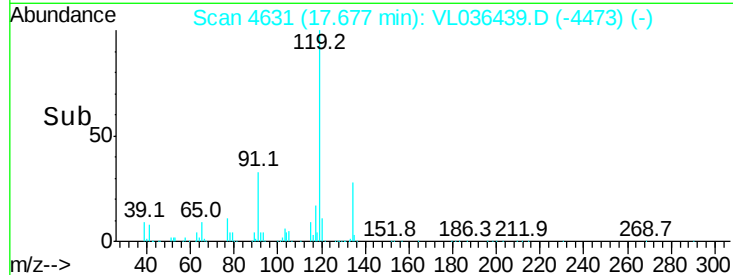
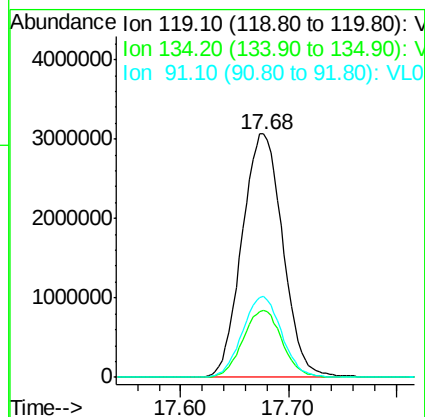
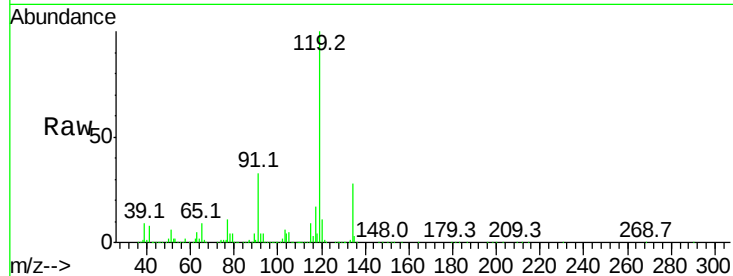
Tgt Ion: 95 Resp: 3266661
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.0 76.4
 175 4.9 3.8 5.6





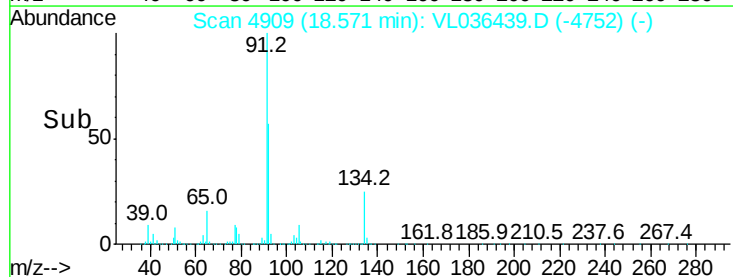
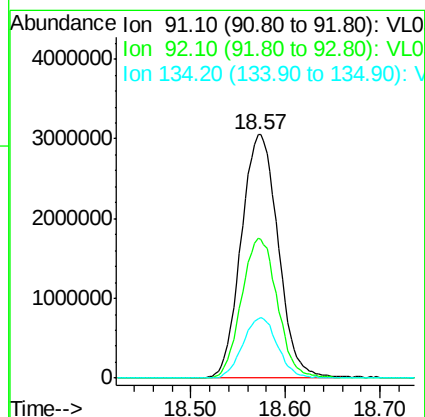
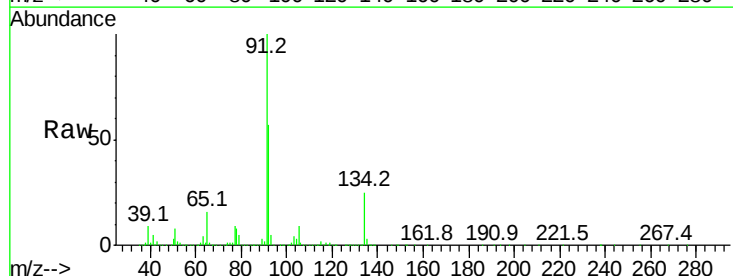
#69
 p-Isopropyltoluene
 Concen: 12.808 ppbv
 RT: 17.68 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 3 Mar 2021 13:24

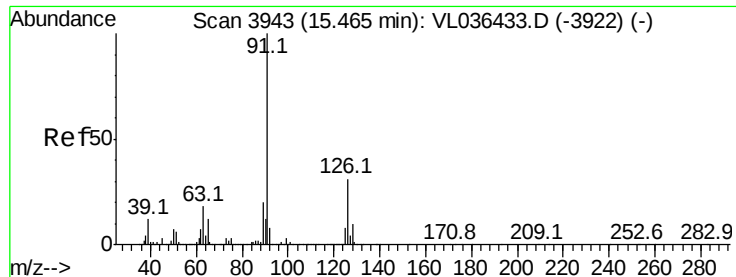
Tgt Ion:	119	Resp:	8047906
Ion	Ratio	Lower	Upper
119	100		
134	26.5	20.6	30.8
91	32.0	25.3	37.9



#70
 n-Butylbenzene
 Concen: 12.293 ppbv
 RT: 18.57 min Scan# 4909
 Delta R.T.: 0.01 min
 Lab File: VL036439.D
 Acq: 3 Mar 2021 13:24

Tgt Ion:	91	Resp:	8283520
Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.1	66.1
134	23.5	17.9	26.9





#71

2-Chlorotoluene

Concen: 12.619 ppbv

RT: 15.47

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

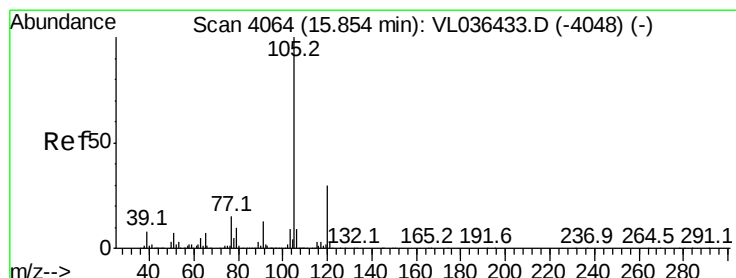
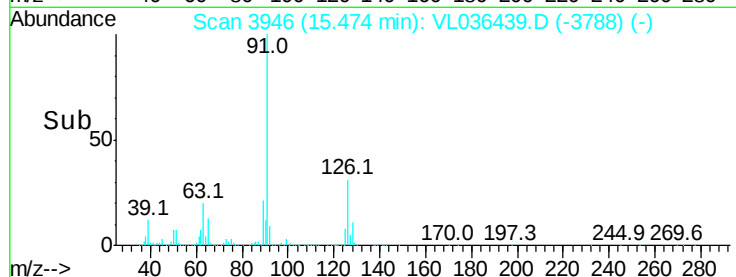
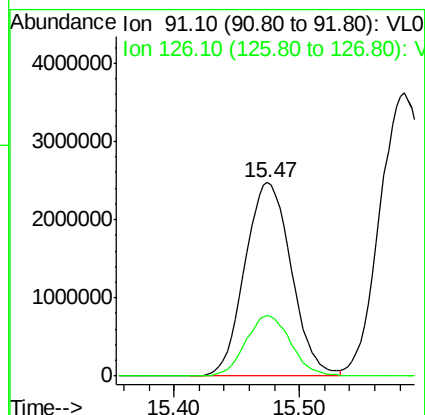
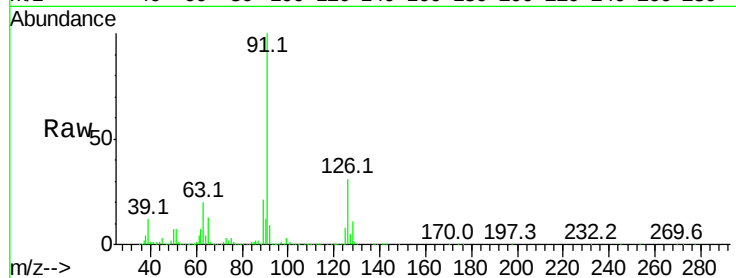
Acq: 3 Mar 2021 13:24

Tgt Ion: 91 Resp: 6374402

Ion Ratio Lower Upper

91 100

126 30.7 12.0 48.0



#72

4-Ethyltoluene

Concen: 13.330 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

Tgt Ion: 105 Resp: 6521317

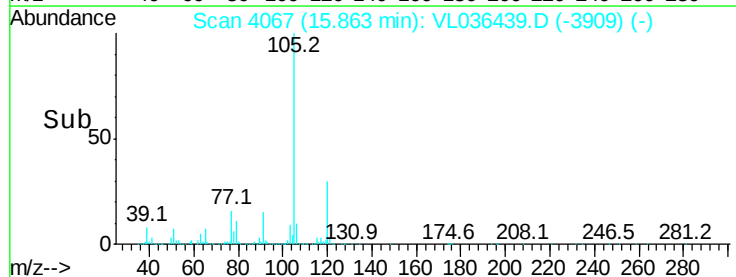
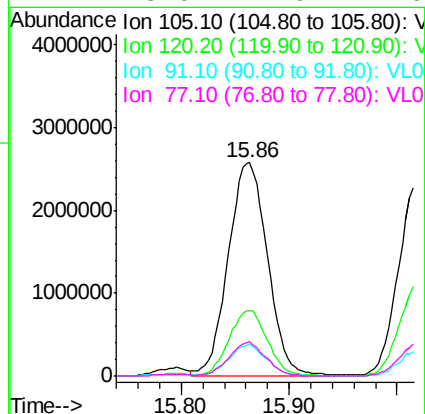
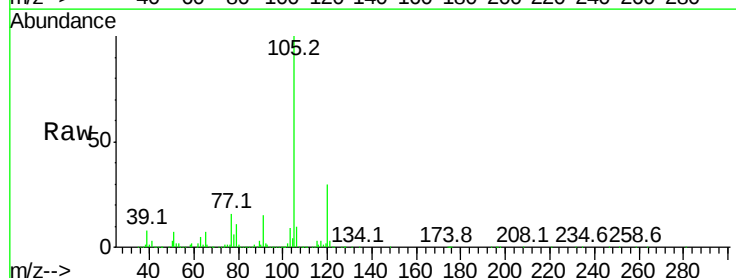
Ion Ratio Lower Upper

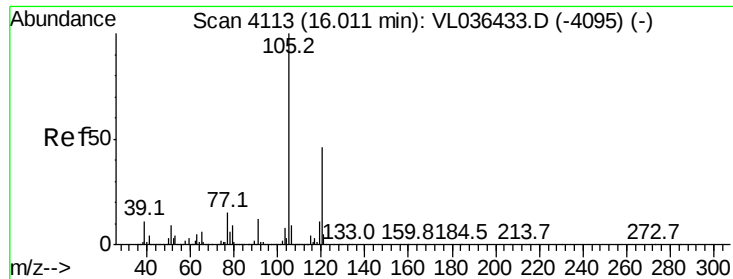
105 100

120 30.0 23.8 35.6

91 13.8 10.9 16.3

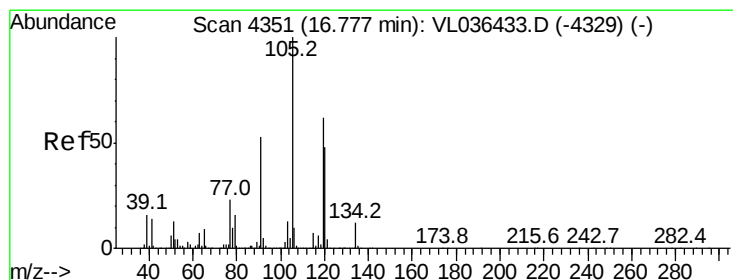
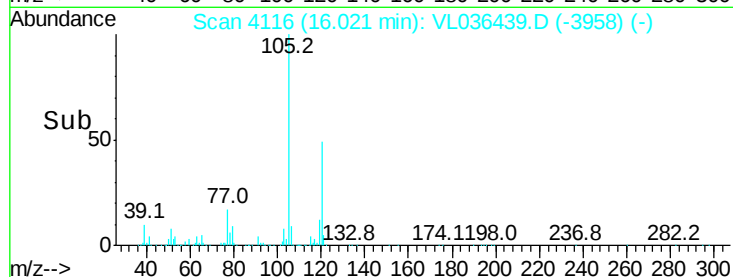
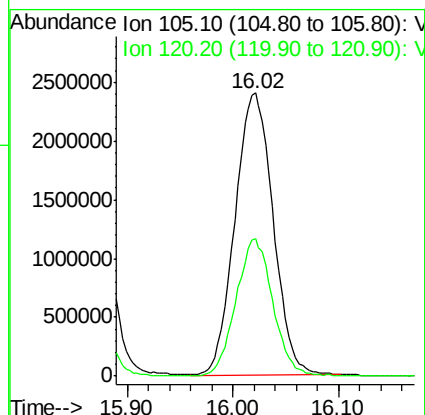
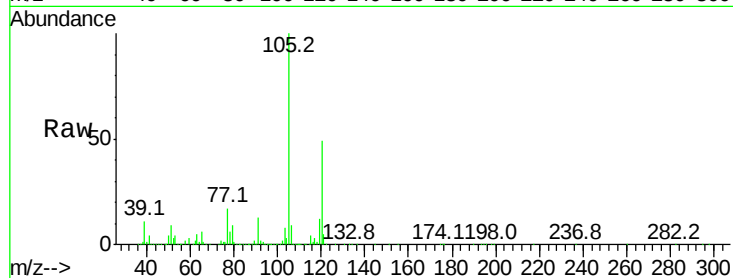
77 15.0 11.9 17.9





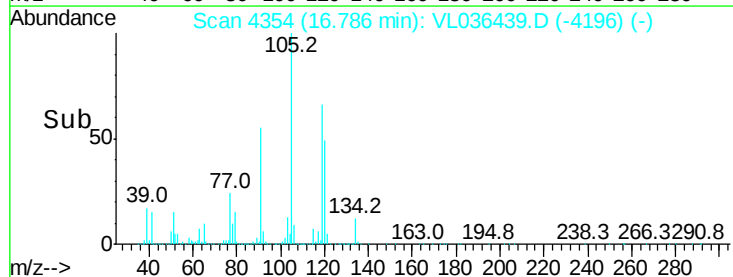
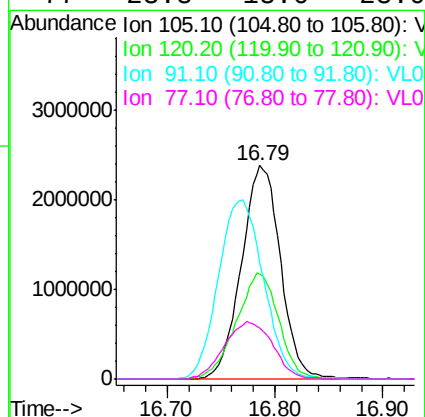
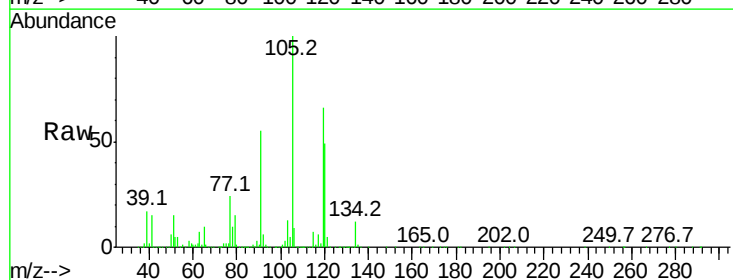
#73
 1,3,5-Trimethylbenzene
 Concen: 12.705 ppbv
 RT: 16.02 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 3 Mar 2021 13:24

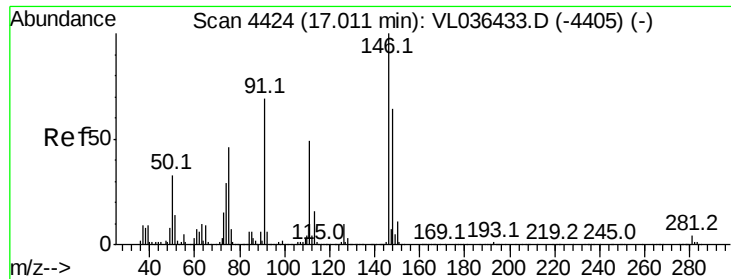
Tgt Ion:105 Resp: 6025303
 Ion Ratio Lower Upper
 105 100
 120 48.7 36.4 54.6



#74
 1,2,4-Trimethylbenzene
 Concen: 12.366 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.01 min
 Lab File: VL036439.D
 Acq: 3 Mar 2021 13:24

Tgt Ion:105 Resp: 5986974
 Ion Ratio Lower Upper
 105 100
 120 49.0 38.2 57.4
 91 54.3 42.6 63.8
 77 23.8 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 13.120 ppbv

RT: 17.02

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 3 Mar 2021 13:24

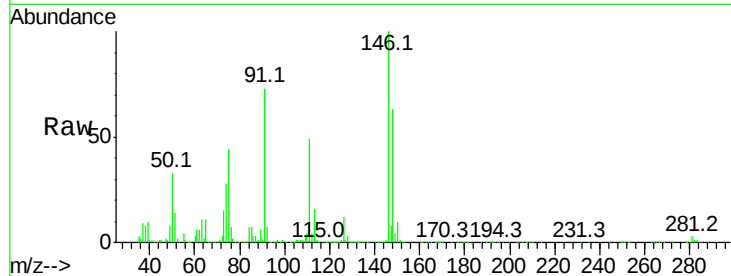
Tgt Ion:146 Resp: 3447919

Ion Ratio Lower Upper

146 100

111 49.0 24.5 73.5

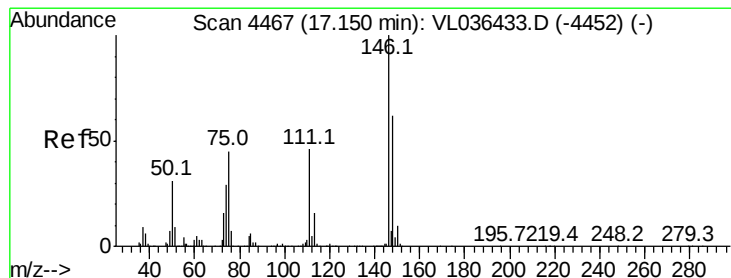
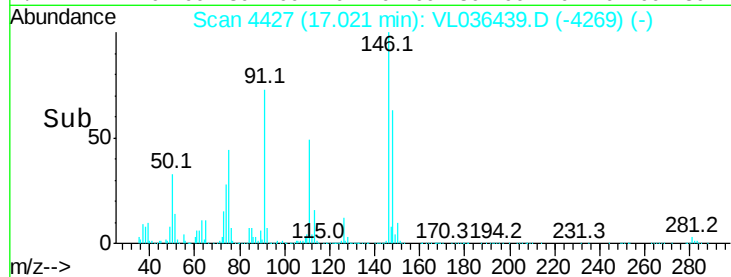
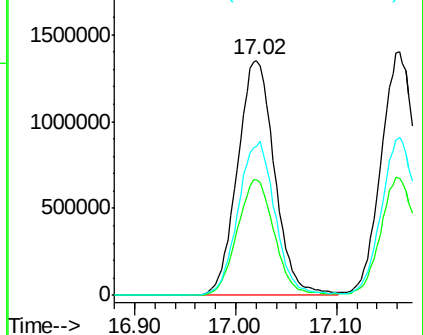
148 64.9 32.4 97.0



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



#76

1,4-Dichlorobenzene

Concen: 12.771 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. 0.01 min

Lab File: VL036439.D

Acq: 3 Mar 2021 13:24

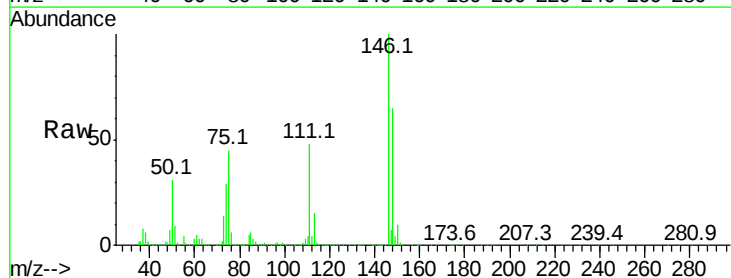
Tgt Ion:146 Resp: 3485278

Ion Ratio Lower Upper

146 100

111 48.0 24.5 73.5

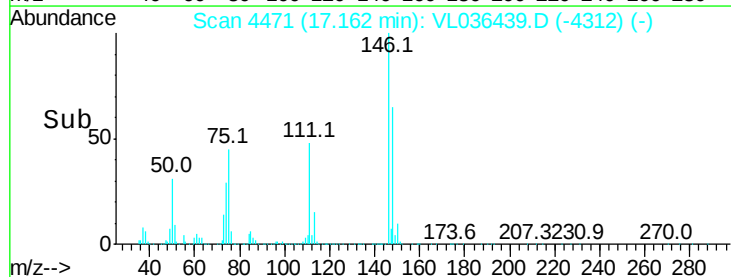
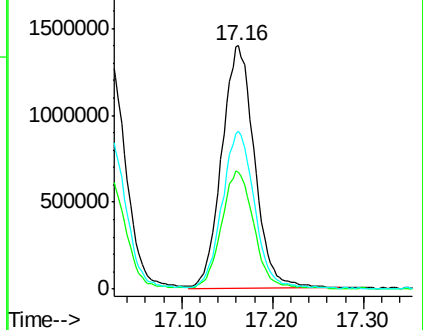
148 64.8 33.1 99.2

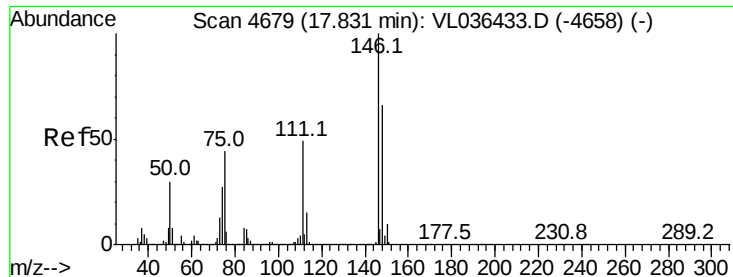


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

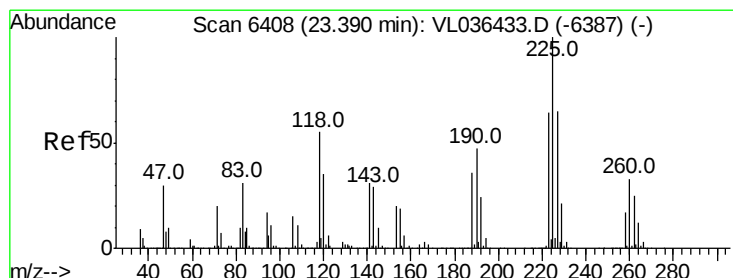
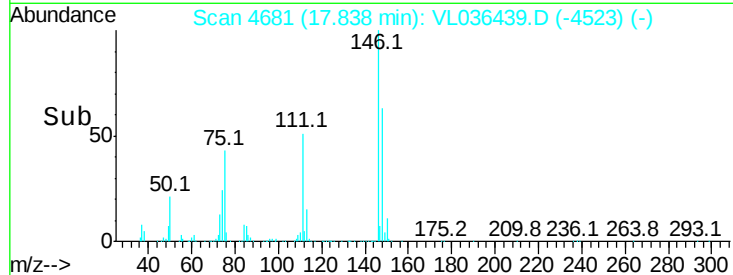
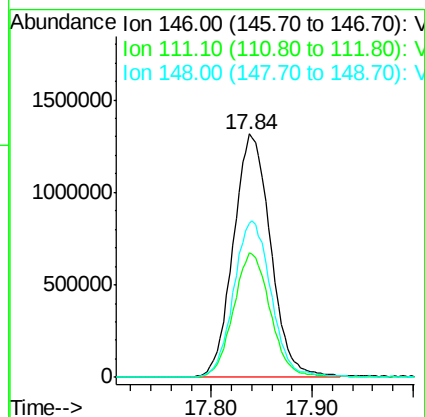
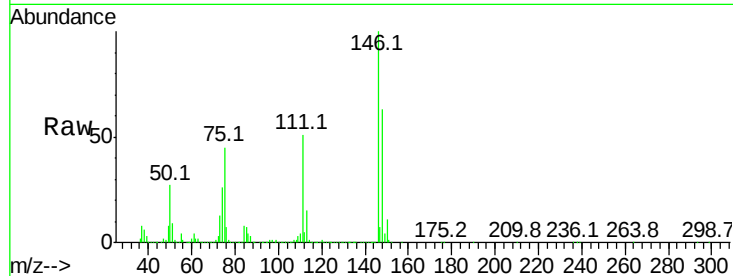
Ion 148.00 (147.70 to 148.70): V





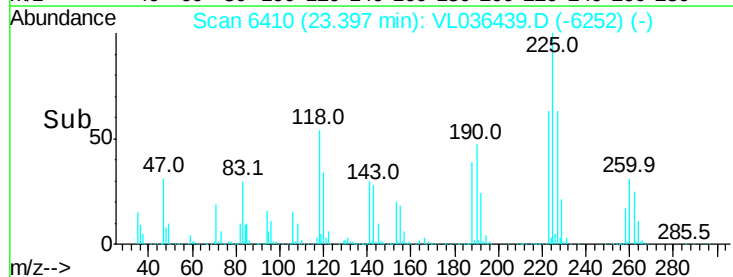
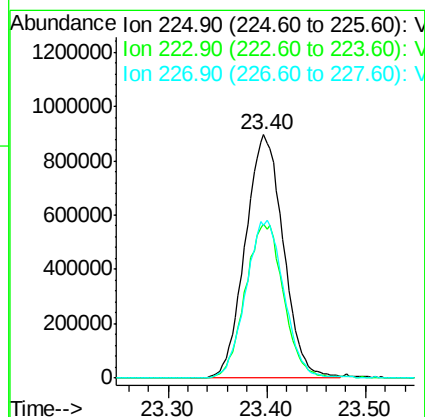
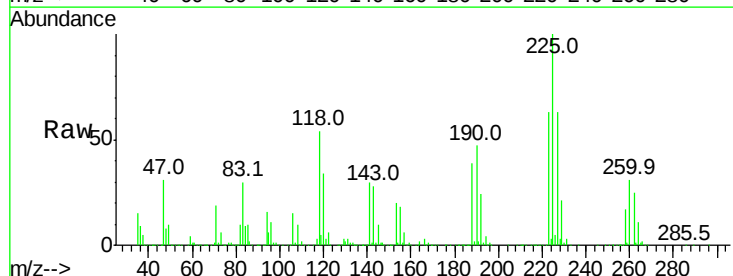
#77
 1,2-Dichlorobenzene
 Concen: 12.896 ppbv
 RT: 17.84 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 3 Mar 2021 13:24

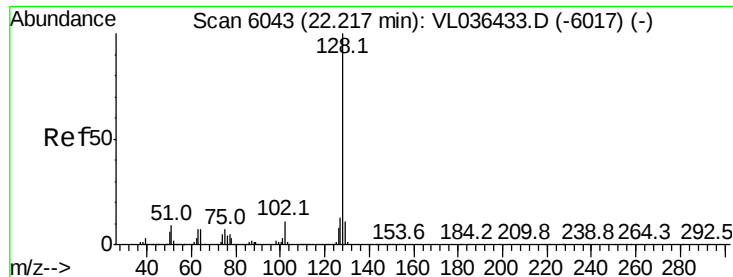
Tgt Ion:146 Resp: 3362099
 Ion Ratio Lower Upper
 146 100
 111 50.7 25.4 76.2
 148 64.7 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 11.215 ppbv
 RT: 23.40 min Scan# 6410
 Delta R.T.: 0.01 min
 Lab File: VL036439.D
 Acq: 3 Mar 2021 13:24

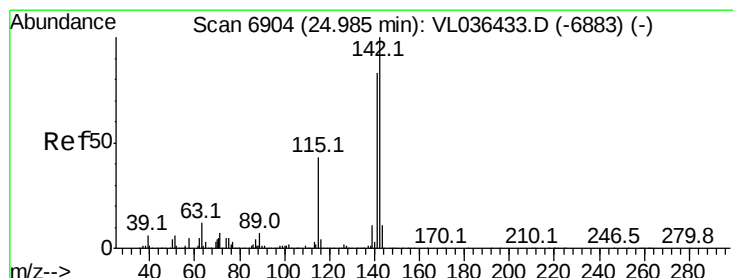
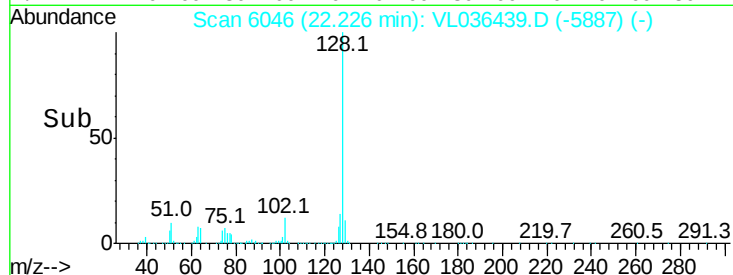
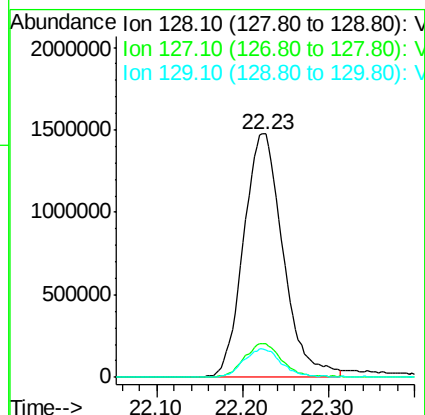
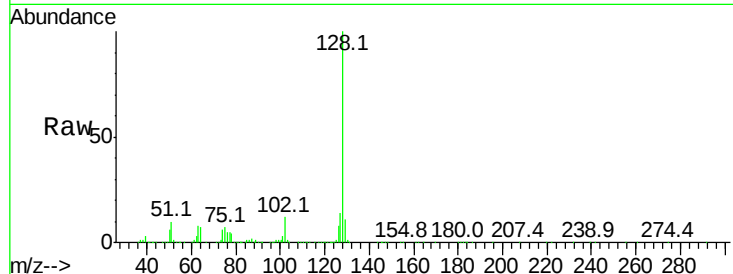
Tgt Ion:225 Resp: 2388632
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.8 77.8
 227 65.5 53.0 79.6





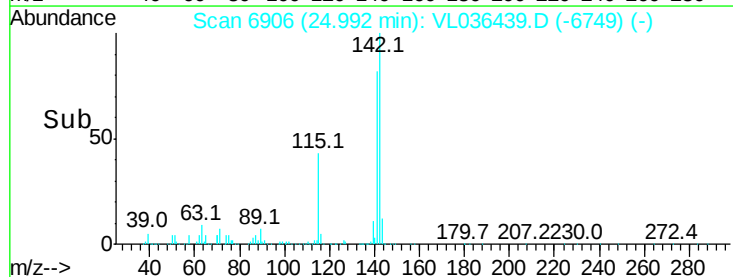
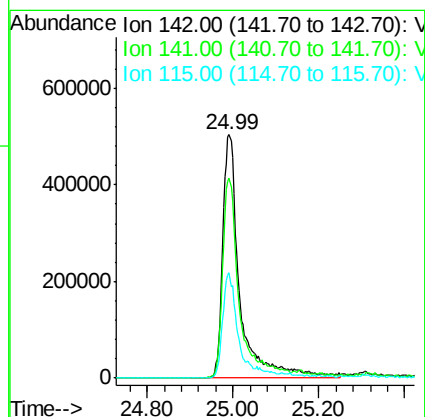
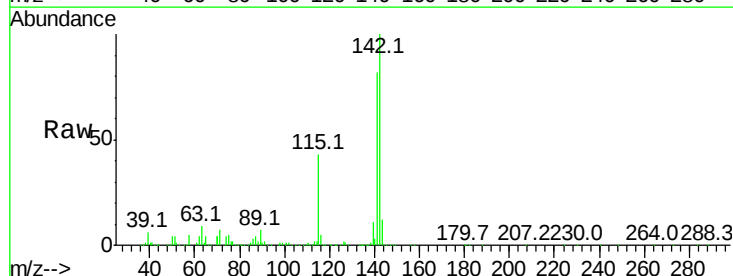
#79
Naphthalene
Concen: 16.435 ppbv
RT: 22.23
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC015
Acq: 3 Mar 2021 13:24

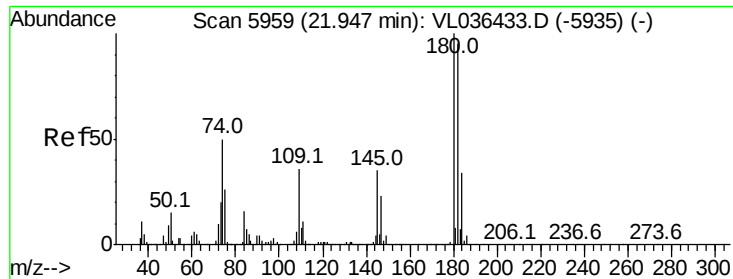
Tgt Ion:128 Resp: 4716898
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 11.3 9.1 13.7



#80
Naphthalene, 2-methyl-
Concen: 26.469 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. 0.01 min
Lab File: VL036439.D
Acq: 3 Mar 2021 13:24

Tgt Ion:142 Resp: 1406571
Ion Ratio Lower Upper
142 100
141 81.1 69.0 103.6
115 39.6 32.4 48.6





#81
 1,2,4-Trichlorobenzene
 Concen: 13.845 ppbv
 RT: 21.95
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 3 Mar 2021 13.24

Tgt Ion:180 Resp: 2424286
 Ion Ratio Lower Upper
 180 100
 182 101.7 81.8 122.6
 184 32.4 26.6 40.0

