

Data File : VL036315.D

Acq On : 10 Feb 2021 12:04

Operator : SY/AP

Sample : VSTDIC002

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Feb 10 13:52:31 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	5.64	49	1508575	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3445102	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3314817	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2612690	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	424689	2.100	ppbv	93
3) Chlorodifluoromethane	2.97	51	401924	2.169	ppbv	99
4) Chloromethane	3.12	50	192702	2.104	ppbv	91
5) Vinyl Chloride	3.24	62	174695	2.016	ppbv	97
6) Bromomethane	3.46	94	106488	2.198	ppbv	93
7) Chloroethane	3.54	64	61380	2.057	ppbv	94
8) Dichlorotetrafluoroethane	3.17	85	445791	2.275	ppbv	99
9) Propene	2.99	41	180654	2.048	ppbv	98
10) Heptane	8.10	43	476211	2.174	ppbv	97
11) Trichlorofluoromethane	3.93	101	474359	2.307	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	277376	2.225	ppbv	94
13) Ethanol	3.59	45	12687	0.916	ppbv #	1
14) Bromoethene	3.72	108	121989	2.149	ppbv	99
15) Acetone	3.84	43	409993	2.219	ppbv #	89
16) 1,3-Butadiene	3.31	39	207362	2.304	ppbv	86
17) tert-Butyl alcohol	4.27	59	288081	1.890	ppbv	98
18) 1,1-Dichloroethene	4.27	96	122087	2.113	ppbv	92
19) Isopropyl Alcohol	3.95	45	200705	1.802	ppbv	99
20) Methylene Chloride	4.32	84	112888	1.914	ppbv	85
21) Allyl Chloride	4.39	41	199487	1.984	ppbv	94
22) trans-1,2-Dichloroethene	4.86	96	109228	2.046	ppbv	93
23) Vinyl Acetate	5.05	43	446083	1.993	ppbv	97
24) 1,1-Dichloroethane	4.99	63	330502	2.038	ppbv	97
25) Ethyl Acetate	5.66	43	794369	2.142	ppbv	99
26) Hexane	5.66	57	332056	2.150	ppbv	98
27) Carbon Disulfide	4.53	76	279601	2.264	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	413157	1.978	ppbv	99
29) Chloroform	5.73	83	507670	2.296	ppbv	100
30) Cyclohexane	7.10	84	102353	0.867	ppbv #	1
31) cis-1,2-Dichloroethene	5.52	61	314321	2.129	ppbv	94
32) 1,1,1-Trichloroethane	6.49	97	492886	2.305	ppbv	99
34) 2-Butanone	5.22	43	456742	1.800	ppbv	94
35) Carbon Tetrachloride	6.99	117	475432	2.184	ppbv	99
36) Benzene	6.86	78	652878	2.068	ppbv	95
37) 1,2-Dichloroethane	6.28	62	401430	2.113	ppbv	100
38) Trichloroethene	7.81	130	104458	0.893	ppbv	88
39) 1,2-Dichloropropane	7.59	63	265864	2.074	ppbv	98
40) 1,4-Dioxane	7.82	88	76557	1.651	ppbv #	23
41) Tetrahydrofuran	6.03	42	277222	1.891	ppbv	98
42) Bromodichloromethane	7.76	83	536495	2.247	ppbv	98
43) Methyl Methacrylate	7.99	69	273434	2.038	ppbv	99

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Instrument :
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VSTDIC002

Quant Time: Feb 10 13:52:31 2021
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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	7.84	57	1210783	2.088	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	253376	1.989	ppbv	94
46) cis-1,3-Dichloropropene	8.68	75	329199	2.011	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	262173	2.138	ppbv	93
48) Dibromochloromethane	10.28	129	398269	2.220	ppbv	96
49) Bromoform	13.01	173	324235	2.165	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	768353	2.031	ppbv	99
51) 2-Hexanone	10.12	43	583855	1.956	ppbv	99
52) Tetrachloroethene	11.20	164	127803	1.099	ppbv	96
53) Toluene	9.78	91	720431	2.040	ppbv	99
54) 1,2-Dibromoethane	10.58	107	376196	2.070	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.10	131	331660	2.242	ppbv #	1
57) Chlorobenzene	12.12	112	543789	2.091	ppbv	97
58) Ethyl Benzene	12.69	91	1009259	2.052	ppbv	99
59) m/p-Xylene	12.97	91	765225	1.810	ppbv #	15
60) o-Xylene	13.67	91	848603	2.083	ppbv	97
61) Styrene	13.50	104	519460	2.019	ppbv	100
62) Isopropylbenzene	14.65	105	1262286	2.084	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	616008	2.031	ppbv	97
64) n-propylbenzene	15.54	120	306796	2.061	ppbv	82
65) tert-Butylbenzene	16.72	119	1102152	2.147	ppbv	97
66) Benzyl Chloride	16.97	91	262977	2.005	ppbv	99
67) sec-Butylbenzene	17.27	105	1598980	2.099	ppbv	98
69) p-Isopropyltoluene	17.63	119	1249385	2.068	ppbv	99
70) n-Butylbenzene	18.53	91	1339750	2.081	ppbv	100
71) 2-Chlorotoluene	15.43	91	981296	2.061	ppbv	99
72) 4-Ethyltoluene	15.82	105	945908	2.057	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	909022	2.074	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	952916	2.120	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	497299	2.063	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	457444	1.920	ppbv	91
77) 1,2-Dichlorobenzene	17.79	146	478562	2.032	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	420945	2.235	ppbv	99
79) Naphthalene	22.17	128	322515	1.227	ppbv	98
80) Naphthalene,2-methyl-	24.97	142	78531	1.401	ppbv	92
81) 1,2,4-Trichlorobenzene	21.91	180	178953	1.166	ppbv #	19

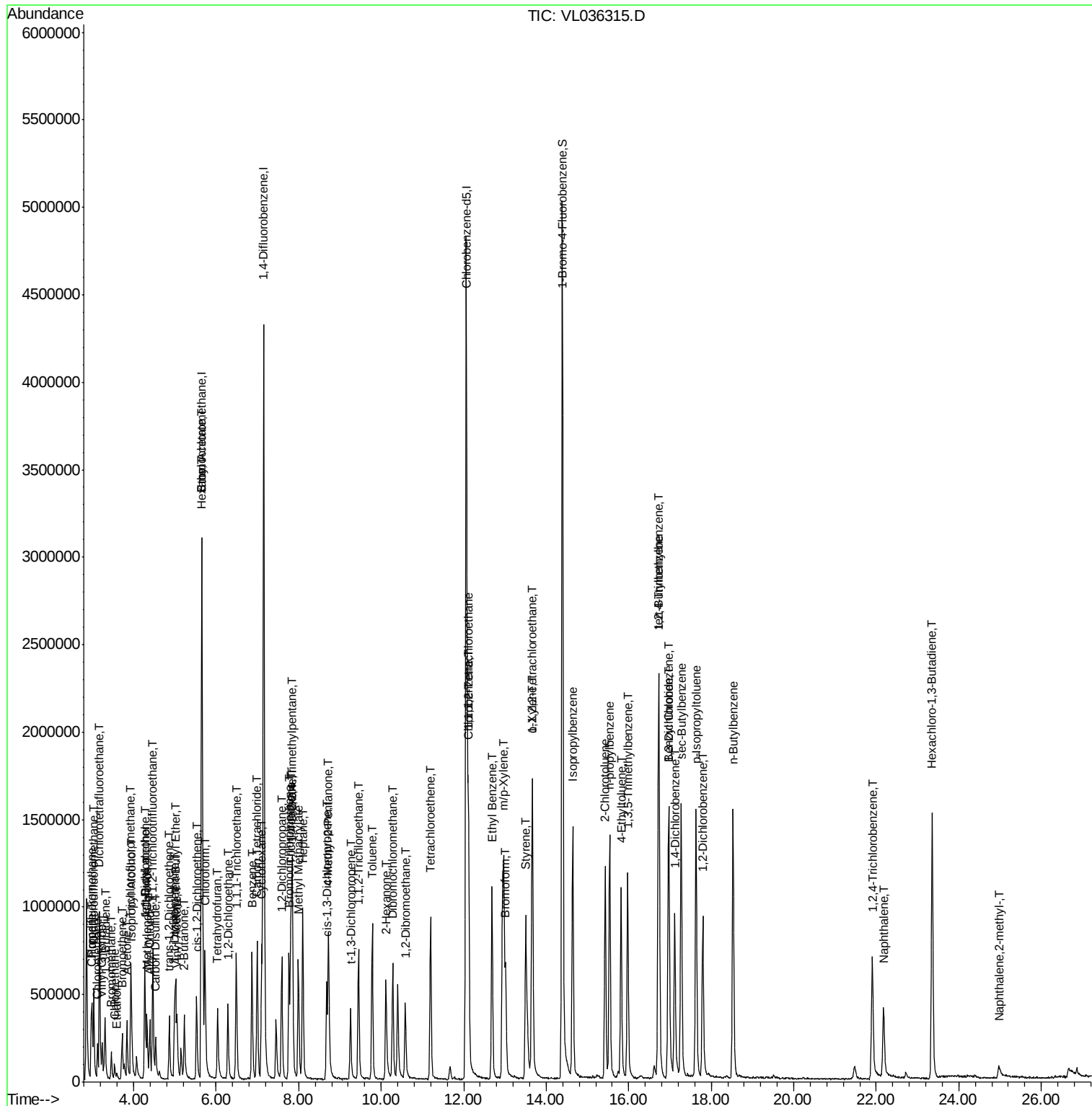
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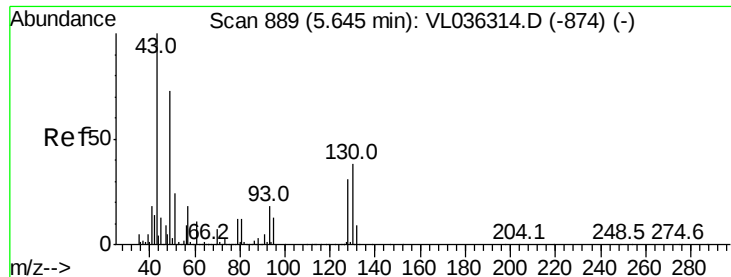
Data File : VL036315.D

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Acq On       : 10 Feb 2021 12:04
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Sample       : VSTDICC002
Misc         : 400ml/MSV0A_L
ALS Vial     : 1      Sample Multipl
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MSVOA_L
ClientSampleId :
VSTDICC002

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

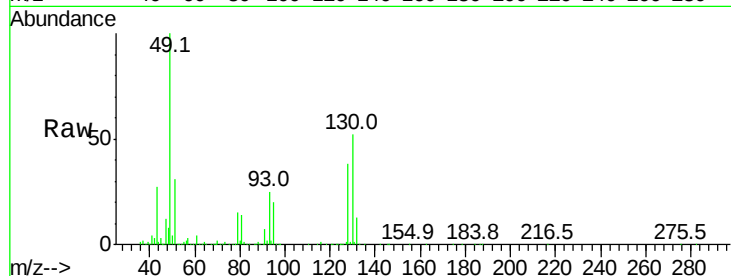
Tgt Ion: 49 Resp: 1508575

Ion Ratio Lower Upper

49 100

128 42.5 20.8 62.5

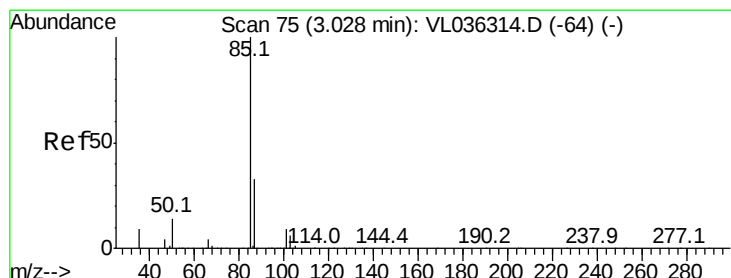
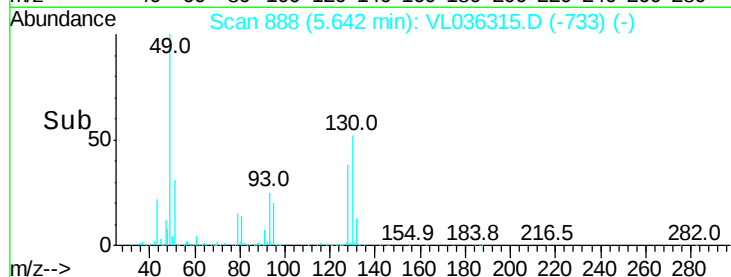
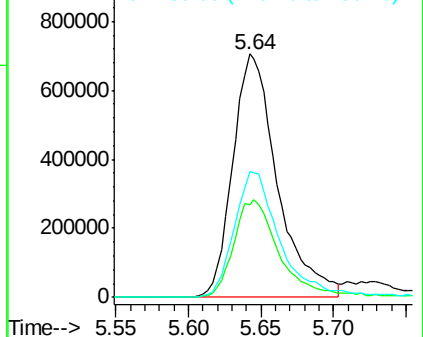
130 54.5 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 2.100 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036315.D

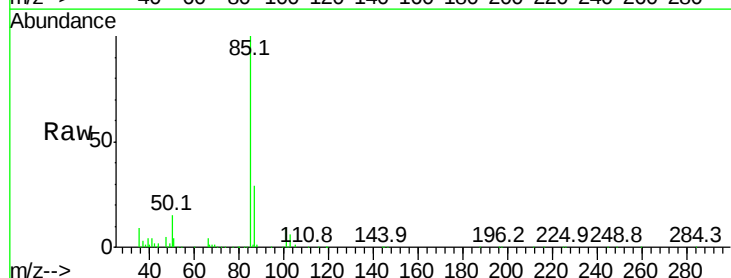
Acq: 10 Feb 2021 12:04

Tgt Ion: 85 Resp: 424689

Ion Ratio Lower Upper

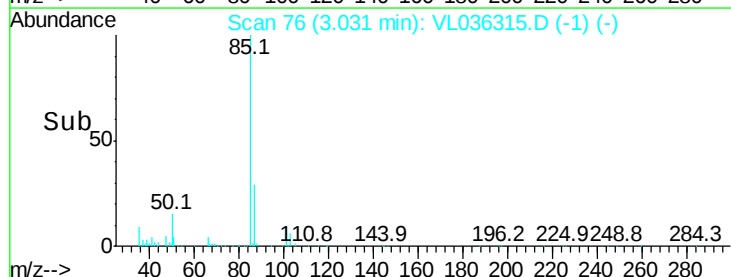
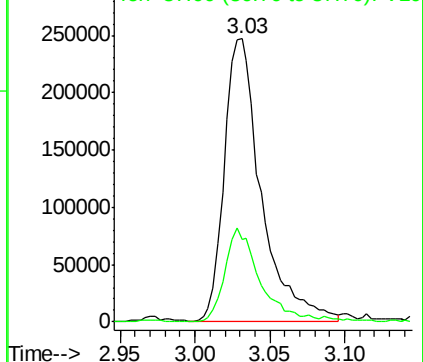
85 100

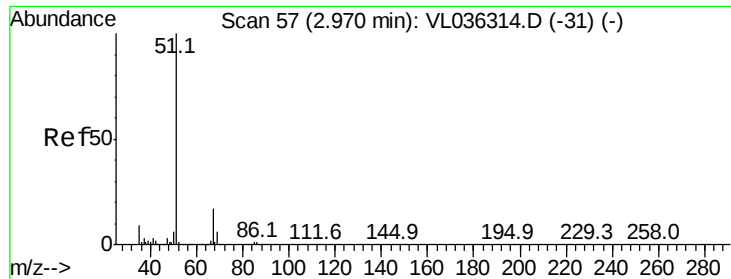
87 29.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.169 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

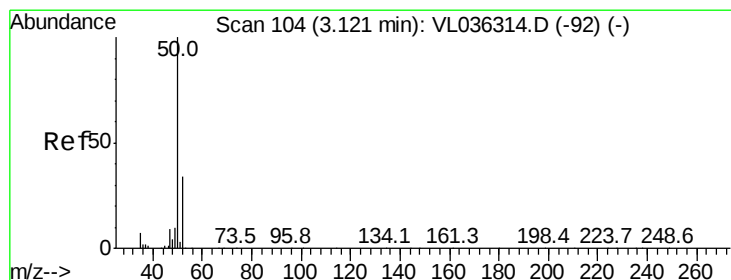
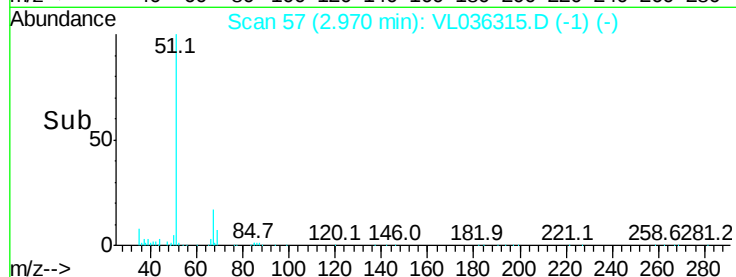
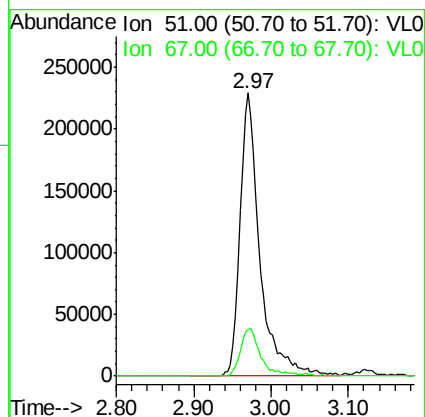
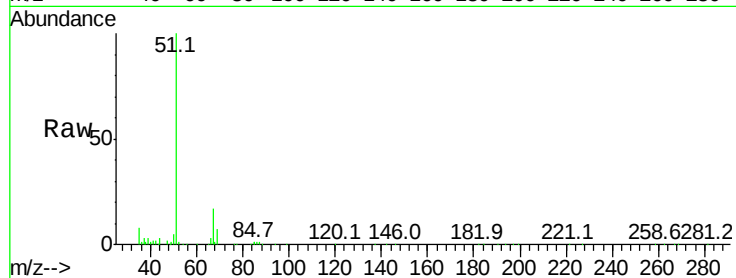
VSTDIC002

Tgt Ion: 51 Resp: 401924

Ion Ratio Lower Upper

51 100

67 18.0 14.7 22.1



#4

Chloromethane

Concen: 2.104 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL036315.D

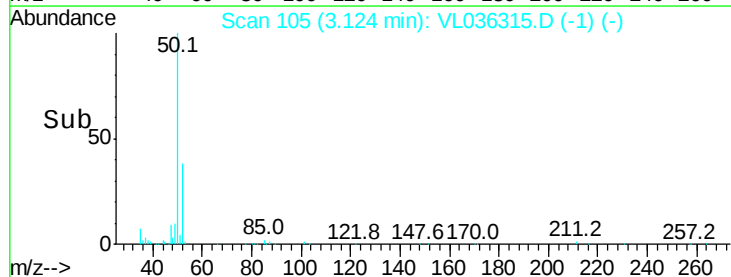
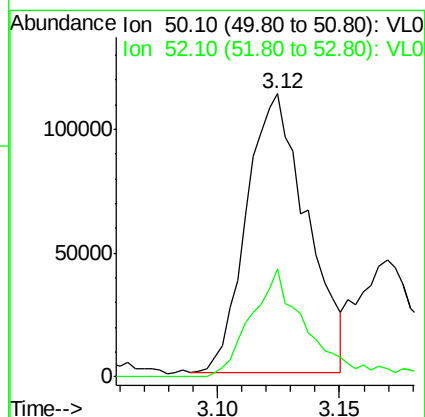
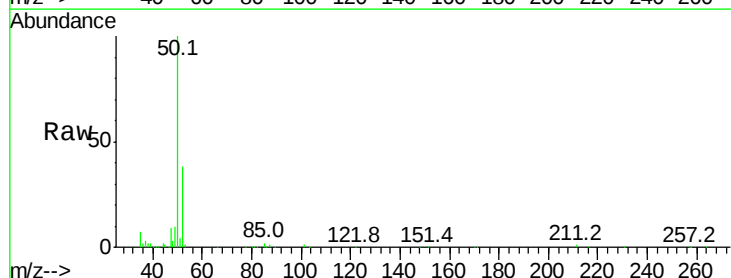
Acq: 10 Feb 2021 12:04

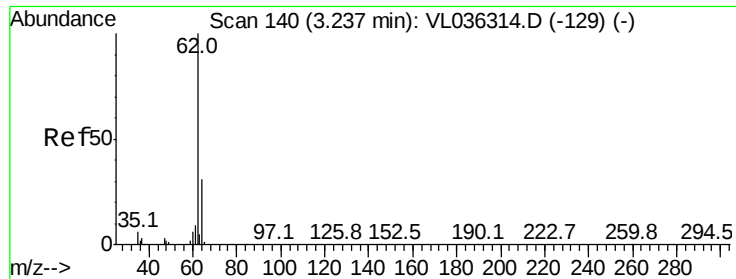
Tgt Ion: 50 Resp: 192702

Ion Ratio Lower Upper

50 100

52 38.7 27.0 40.4





#5

Vinyl Chloride

Concen: 2.016 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

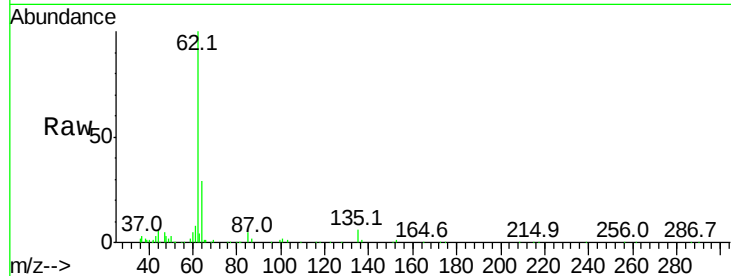
VSTDIC002

Tgt Ion: 62 Resp: 174695

Ion Ratio Lower Upper

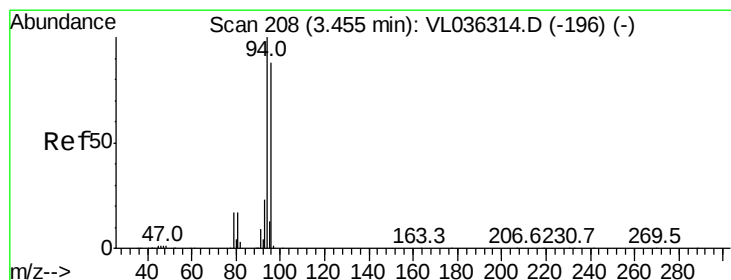
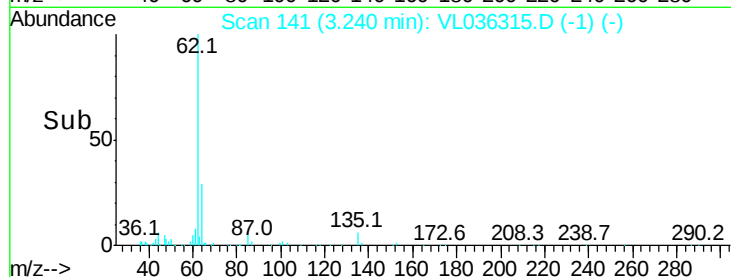
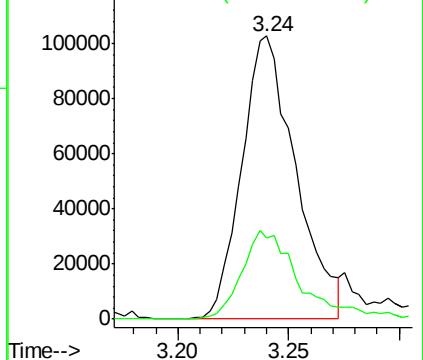
62 100

64 28.8 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.198 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036315.D

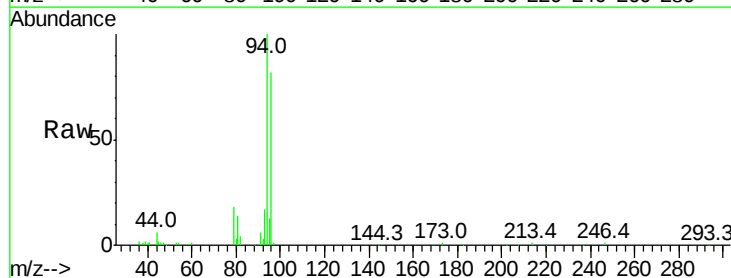
Acq: 10 Feb 2021 12:04

Tgt Ion: 94 Resp: 106488

Ion Ratio Lower Upper

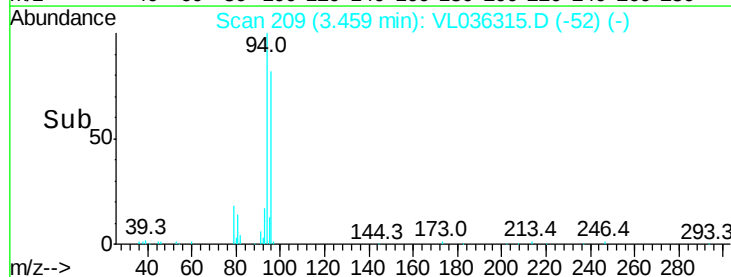
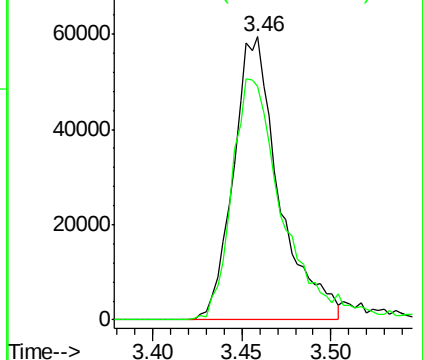
94 100

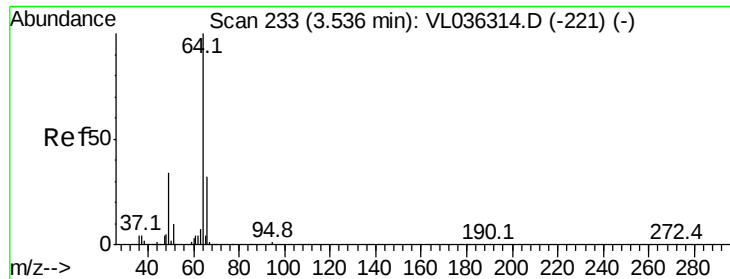
96 82.0 70.8 106.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.057 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

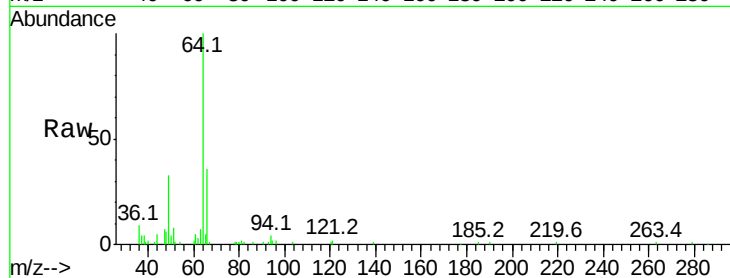
VSTDIC002

Tgt Ion: 64 Resp: 61380

Ion Ratio Lower Upper

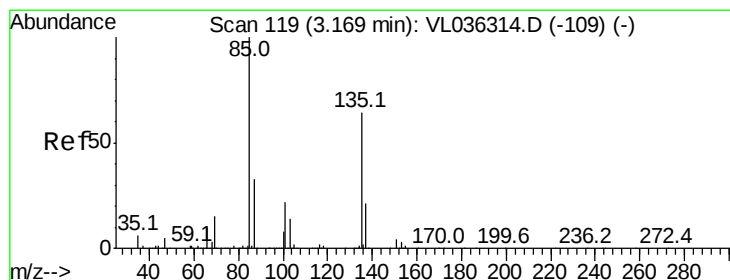
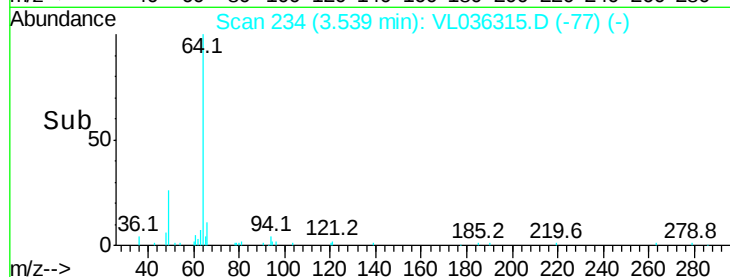
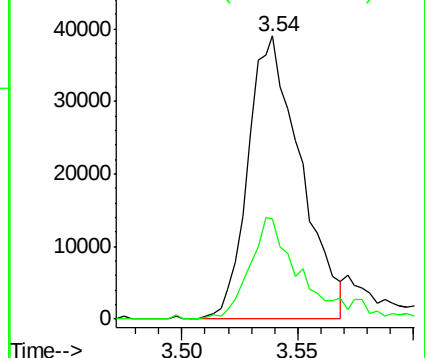
64 100

66 35.5 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.275 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL036315.D

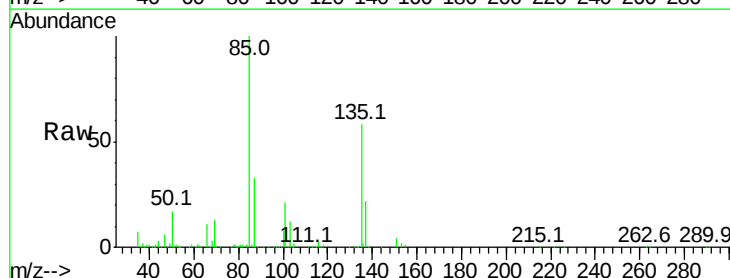
Acq: 10 Feb 2021 12:04

Tgt Ion: 85 Resp: 445791

Ion Ratio Lower Upper

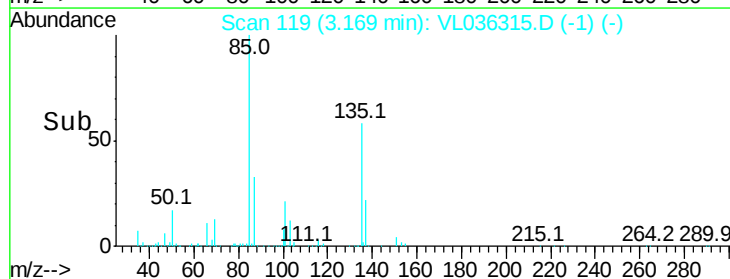
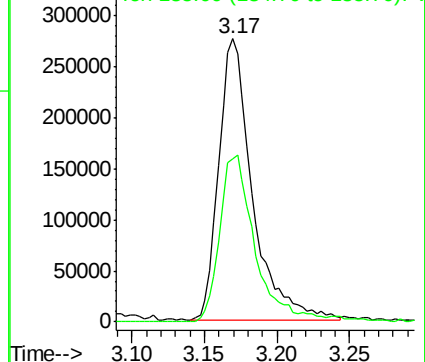
85 100

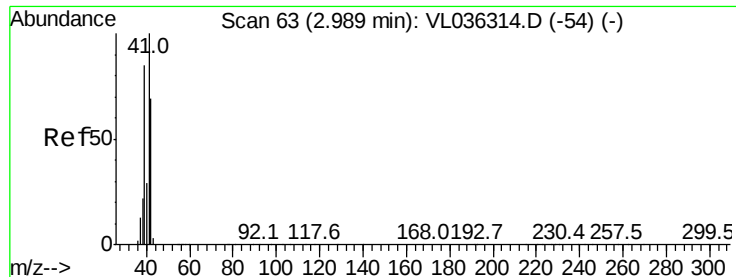
135 63.4 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 2.048 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

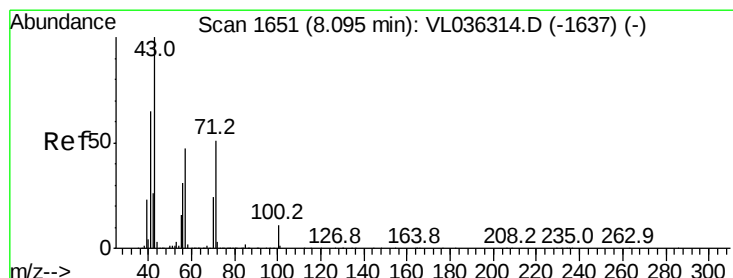
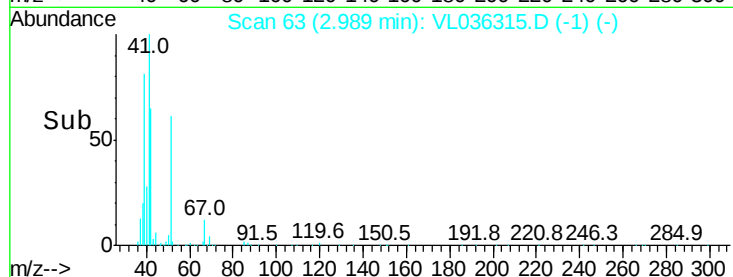
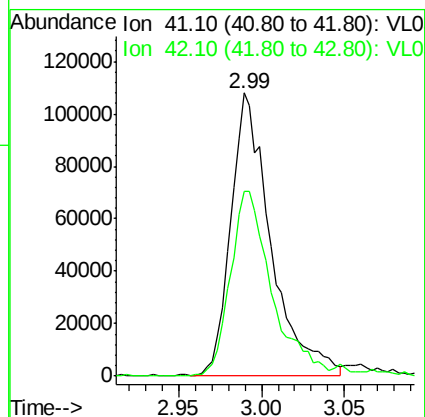
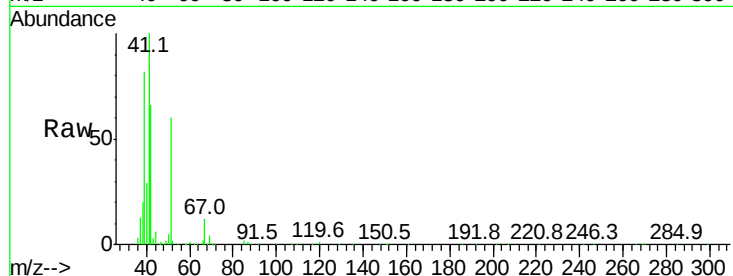
VSTDIC002

Tgt Ion: 41 Resp: 180654

Ion Ratio Lower Upper

41 100

42 71.7 56.2 84.2



#10

Heptane

Concen: 2.174 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL036315.D

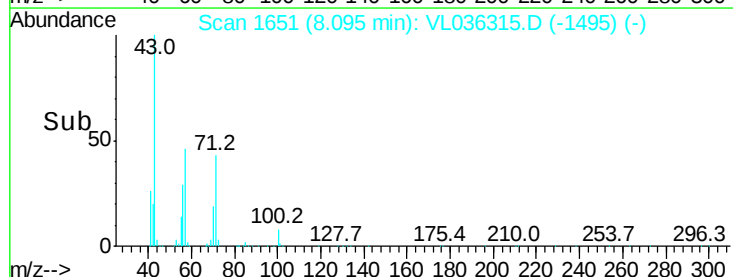
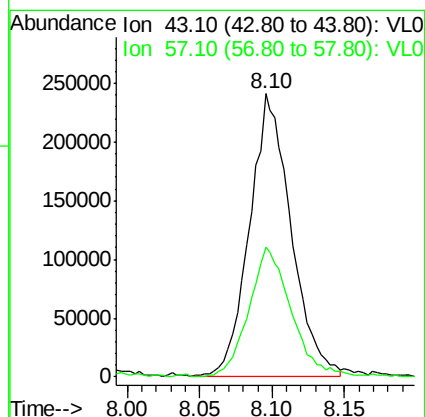
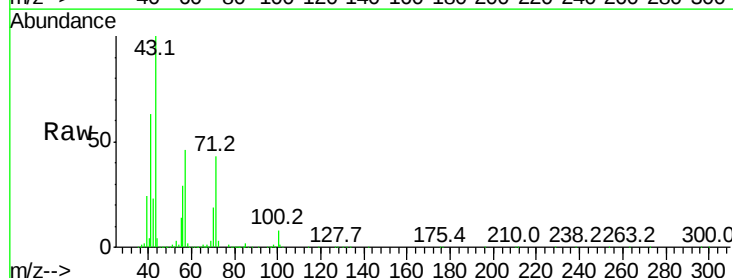
Acq: 10 Feb 2021 12:04

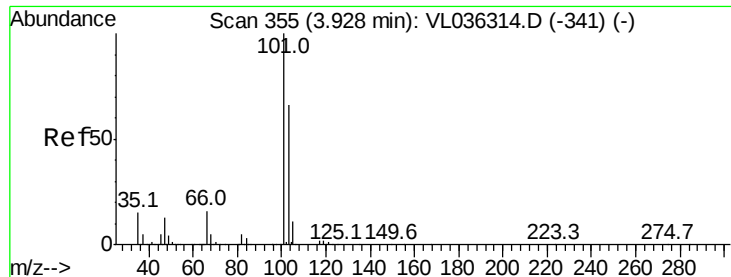
Tgt Ion: 43 Resp: 476211

Ion Ratio Lower Upper

43 100

57 47.4 39.4 59.2





#11

Trichlorofluoromethane

Concen: 2.307 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

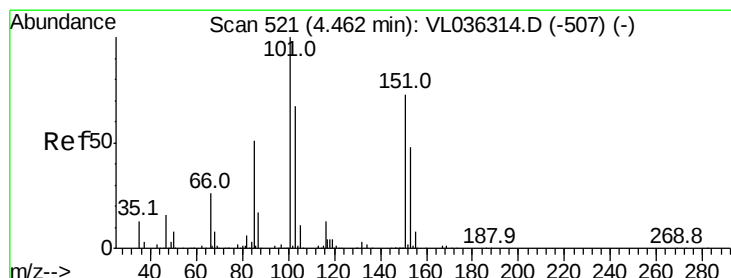
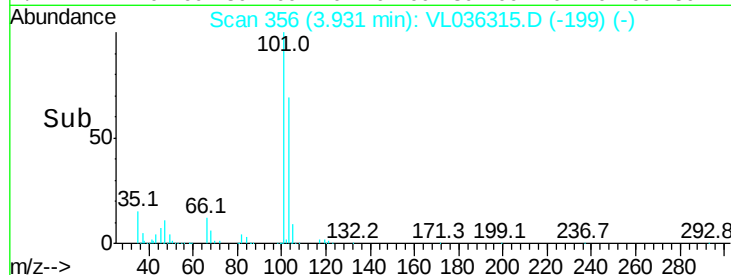
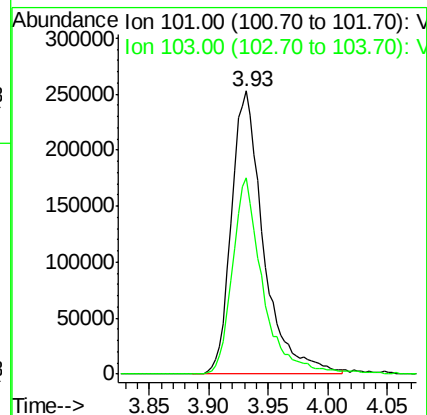
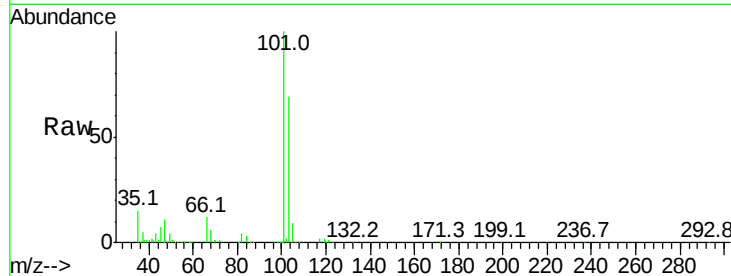
VSTDIC002

Tgt Ion:101 Resp: 474359

Ion Ratio Lower Upper

101 100

103 69.2 52.9 79.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.225 ppbv

RT: 4.47 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL036315.D

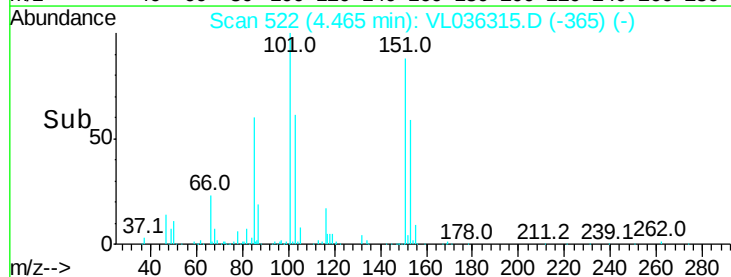
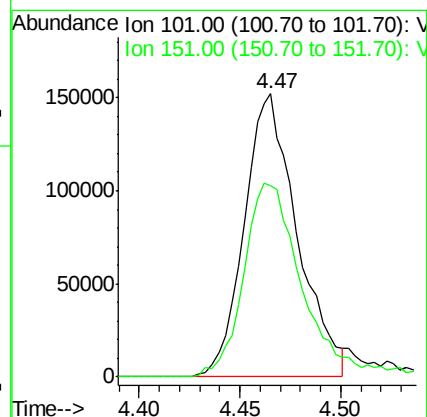
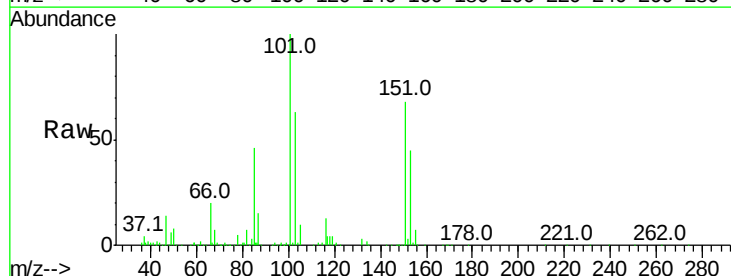
Acq: 10 Feb 2021 12:04

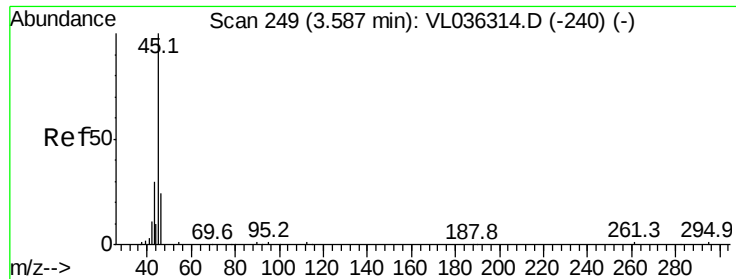
Tgt Ion:101 Resp: 277376

Ion Ratio Lower Upper

101 100

151 77.5 58.2 87.4





#13

Ethanol

Concen: 0.916 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

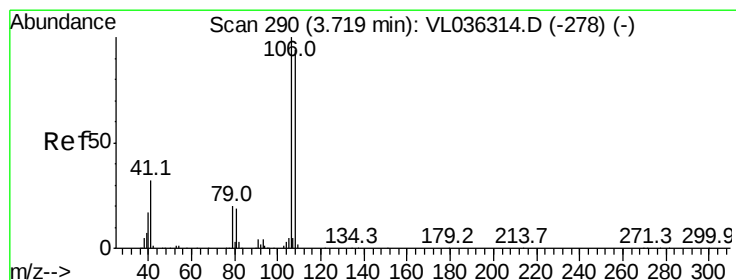
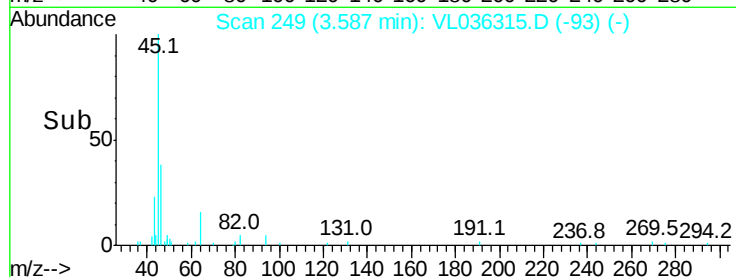
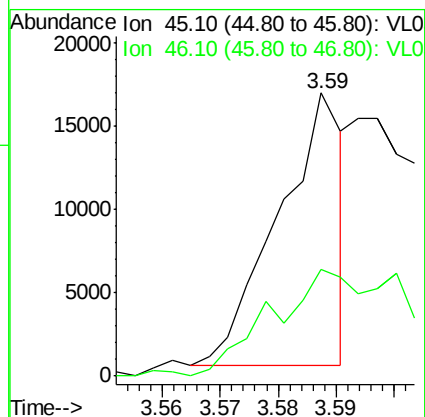
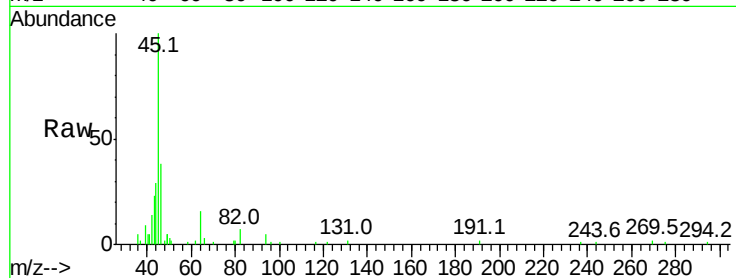
VSTDIC002

Tgt Ion: 45 Resp: 12687

Ion Ratio Lower Upper

45 100

46 125.0 17.7 70.7#



#14

Bromoethene

Concen: 2.149 ppbv

RT: 3.72 min Scan# 290

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

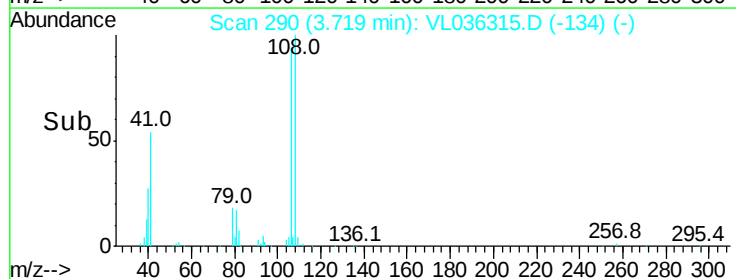
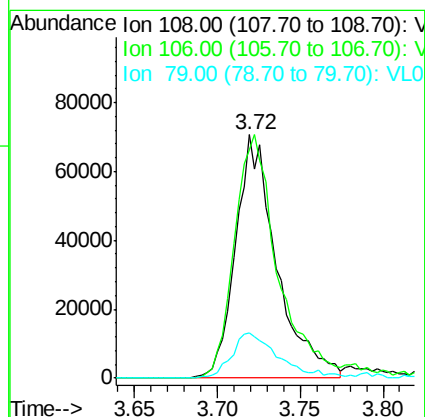
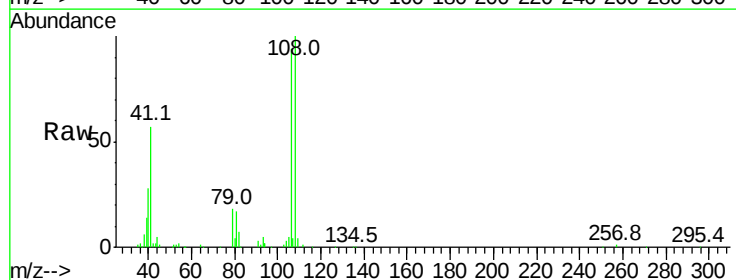
Tgt Ion: 108 Resp: 121989

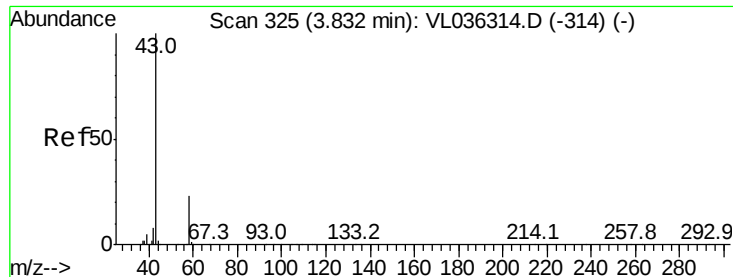
Ion Ratio Lower Upper

108 100

106 110.6 89.8 134.8

79 21.5 17.1 25.7





#15

Acetone

Concen: 2.219 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

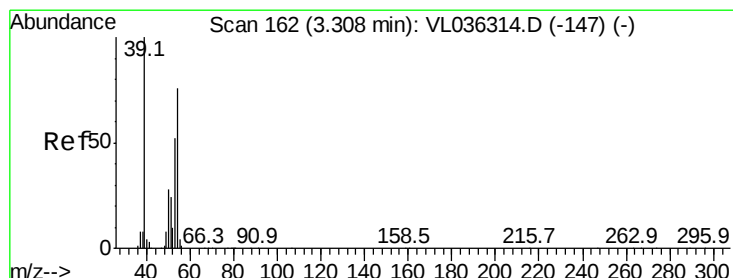
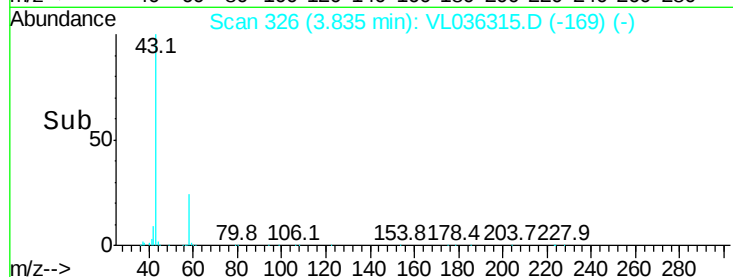
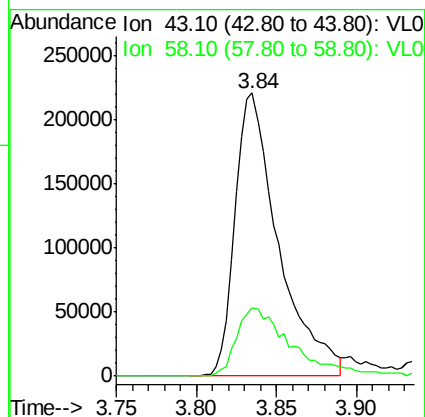
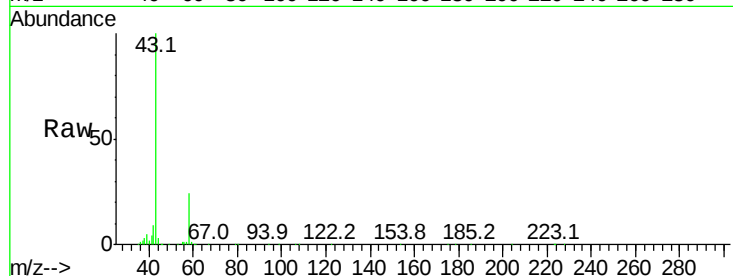
VSTDIC002

Tgt Ion: 43 Resp: 409993

Ion Ratio Lower Upper

43 100

58 30.8 20.3 30.5#



#16

1,3-Butadiene

Concen: 2.304 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.00 min

Lab File: VL036315.D

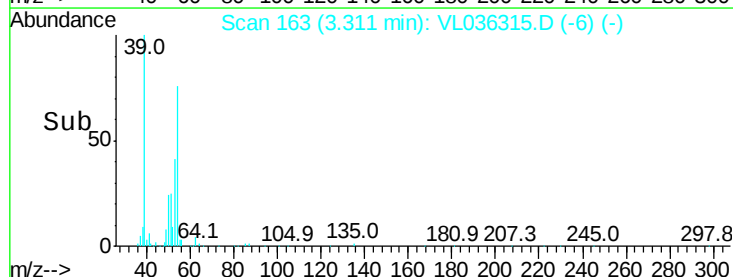
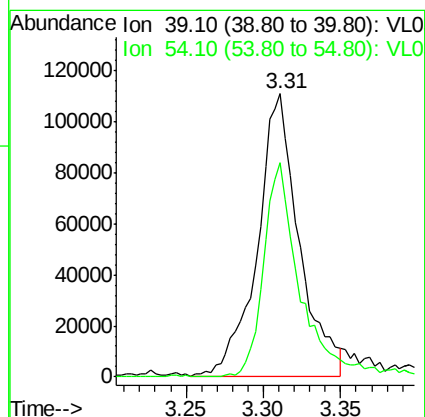
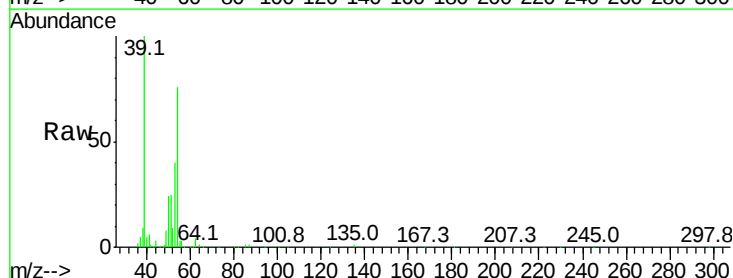
Acq: 10 Feb 2021 12:04

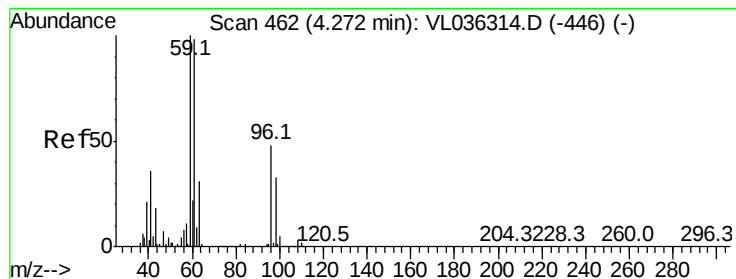
Tgt Ion: 39 Resp: 207362

Ion Ratio Lower Upper

39 100

54 68.3 64.4 96.6





#17

tert-Butyl alcohol

Concen: 1.890 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

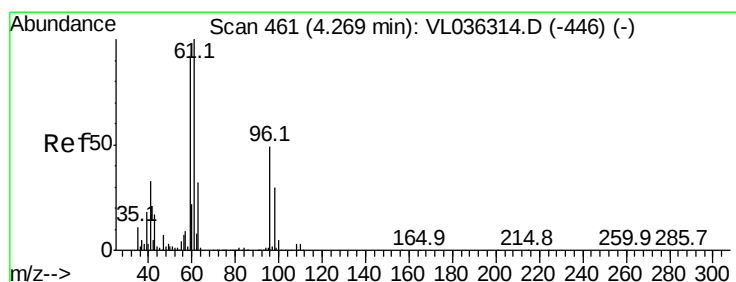
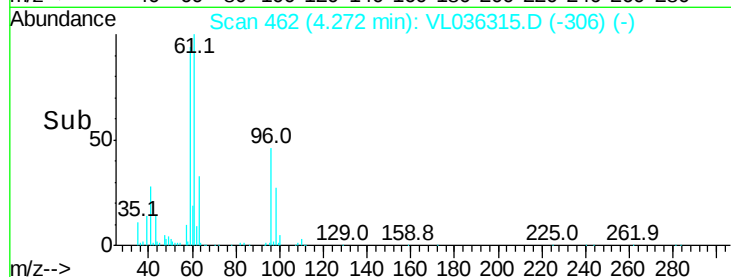
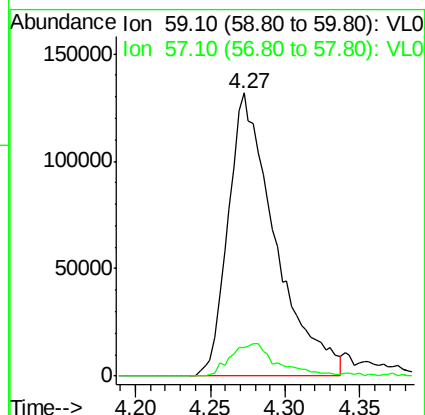
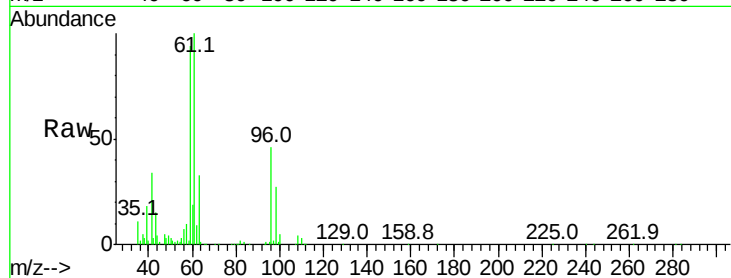
VSTDIC002

Tgt Ion: 59 Resp: 288081

Ion Ratio Lower Upper

59 100

57 12.0 9.0 13.4



#18

1,1-Dichloroethene

Concen: 2.113 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

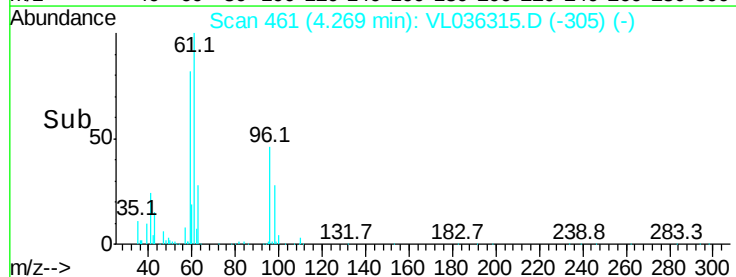
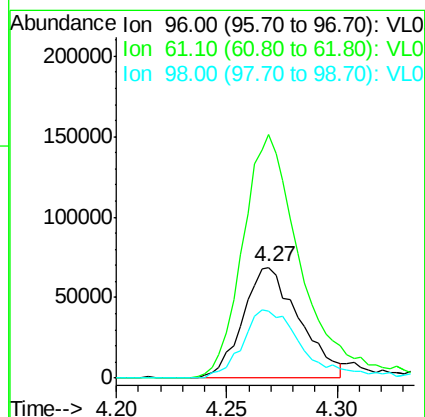
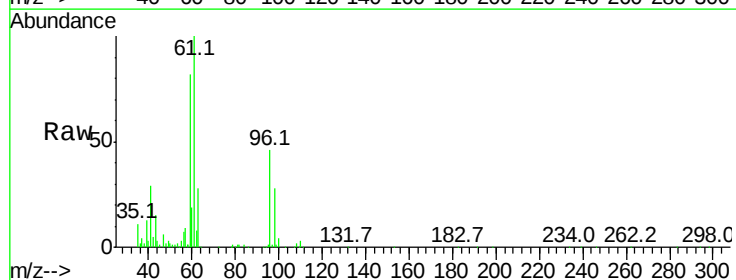
Tgt Ion: 96 Resp: 122087

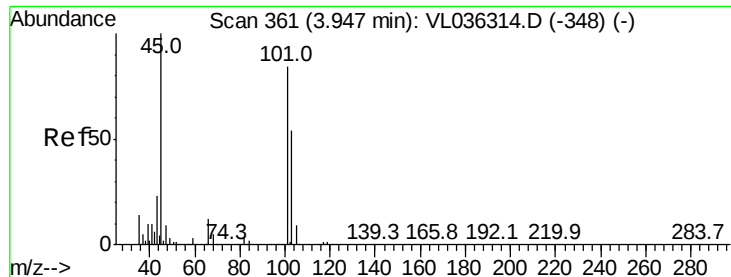
Ion Ratio Lower Upper

96 100

61 218.9 162.5 243.7

98 60.8 48.5 72.7





#19

Isopropyl Alcohol

Concen: 1.802 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

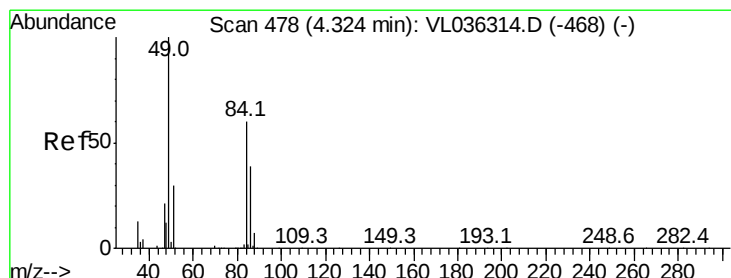
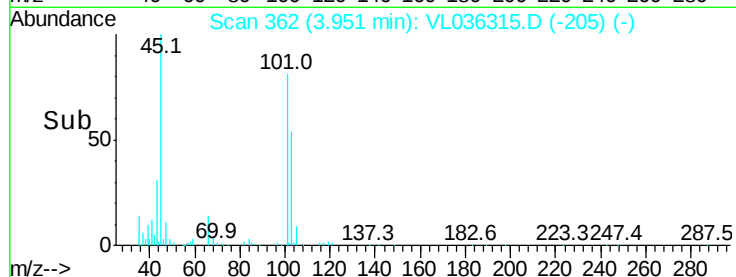
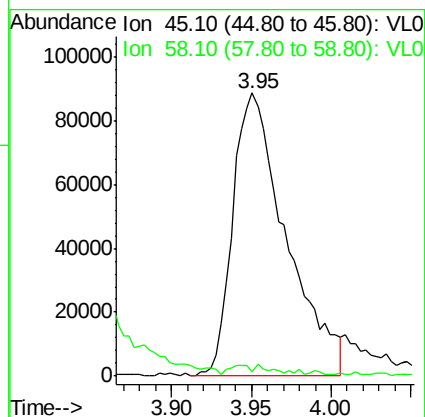
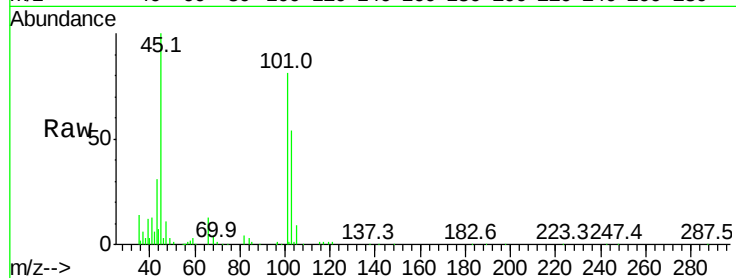
VSTDIC002

Tgt Ion: 45 Resp: 200705

Ion Ratio Lower Upper

45 100

58 2.6 1.9 2.9



#20

Methylene Chloride

Concen: 1.914 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion: 84 Resp: 112888

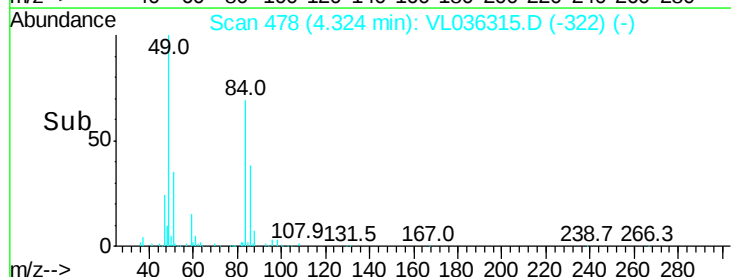
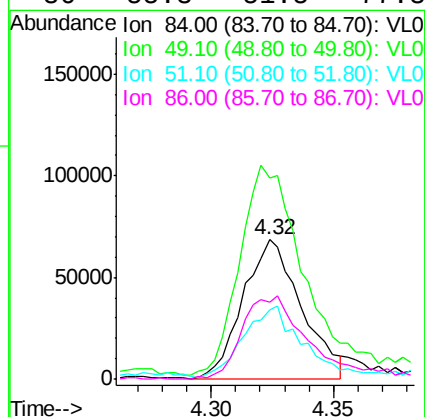
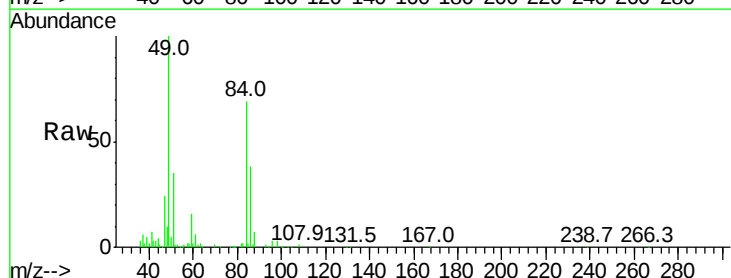
Ion Ratio Lower Upper

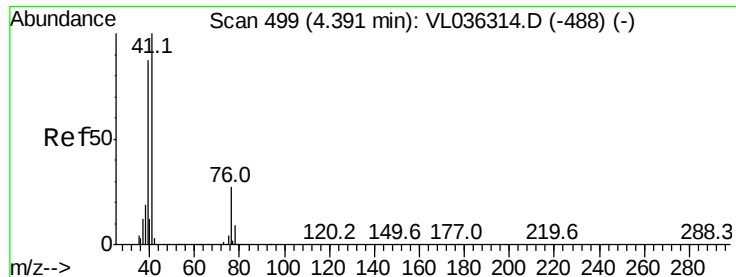
84 100

49 141.8 133.8 200.8

51 48.7 41.4 62.0

86 55.3 51.5 77.3





#21

Allyl Chloride

Concen: 1.984 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

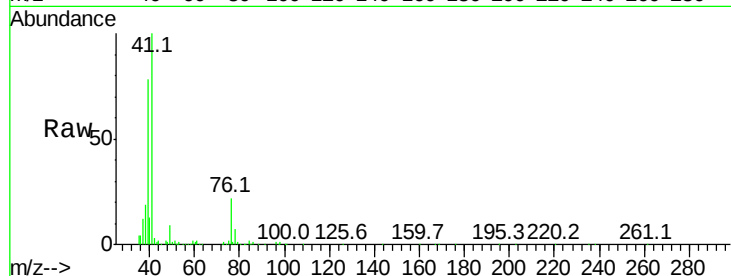
Tgt Ion: 41 Resp: 199487

Ion Ratio Lower Upper

41 100

76 29.1 22.0 33.0

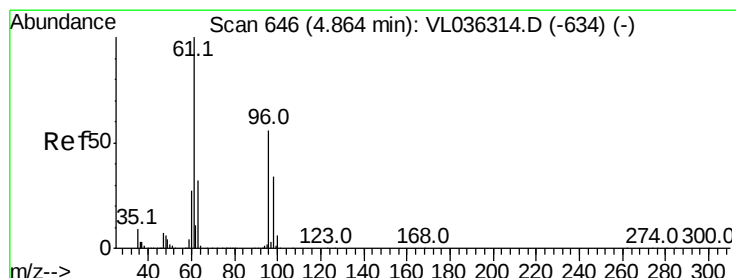
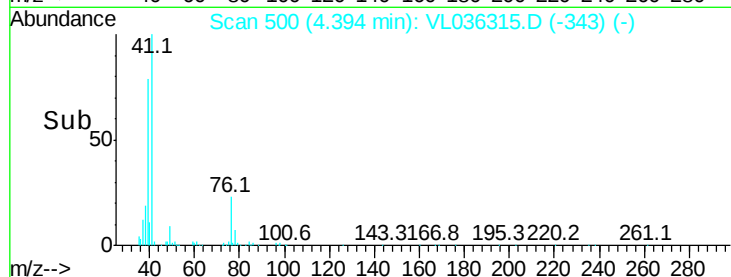
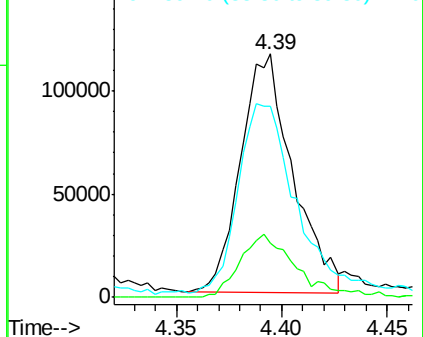
39 93.6 70.2 105.2



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: 2.046 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

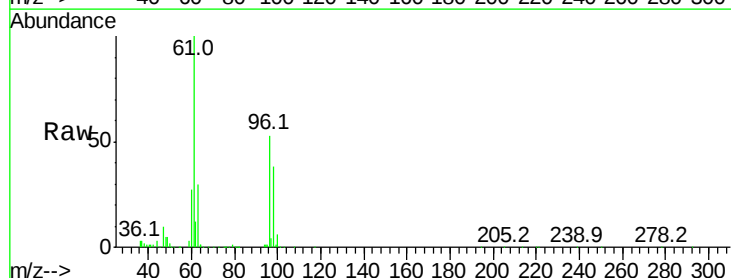
Tgt Ion: 96 Resp: 109228

Ion Ratio Lower Upper

96 100

61 186.7 143.7 215.5

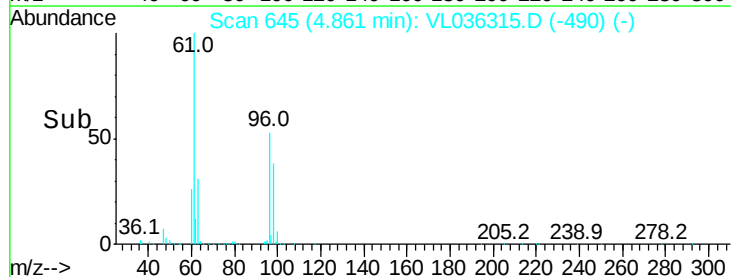
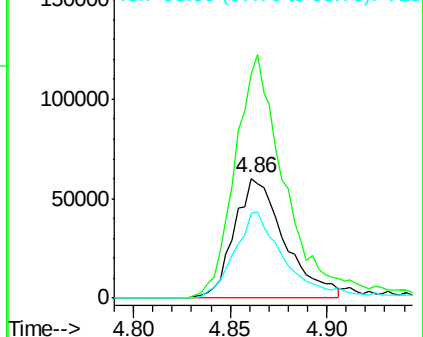
98 70.7 48.5 72.7

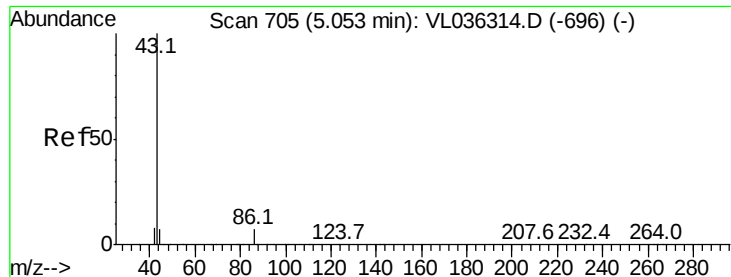


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 1.993 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 446083

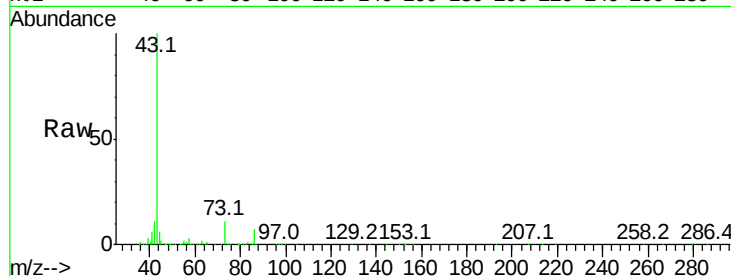
Ion Ratio Lower Upper

43 100

86 6.9 4.8 7.2

42 10.0 7.4 11.0

44 4.9 4.8 7.2

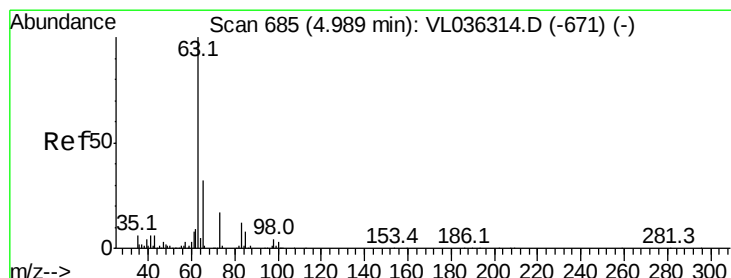
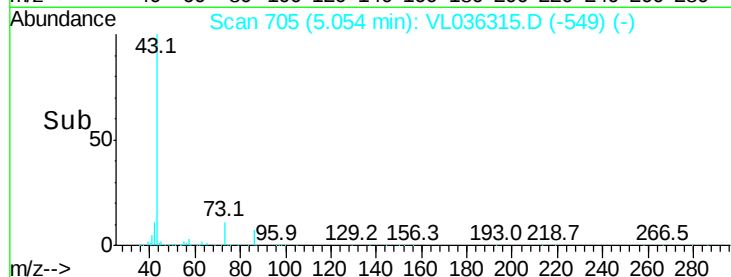
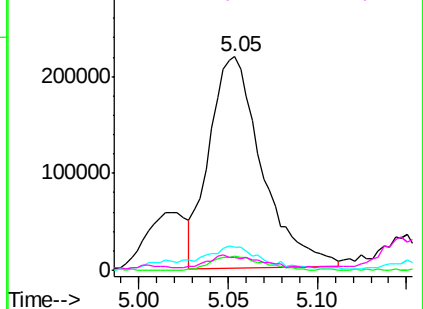


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.038 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

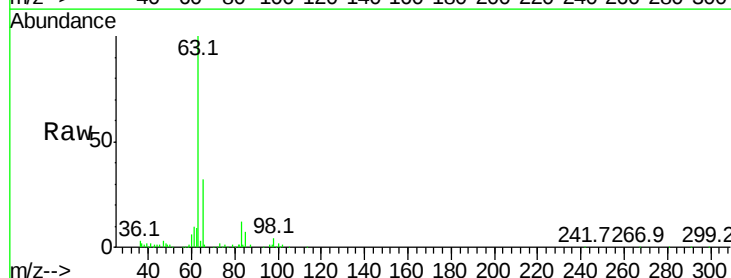
Tgt Ion: 63 Resp: 330502

Ion Ratio Lower Upper

63 100

98 2.9 2.0 6.0

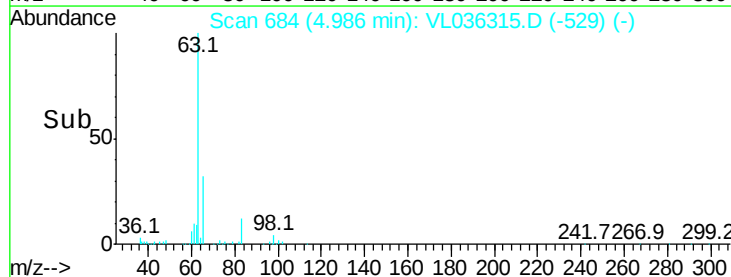
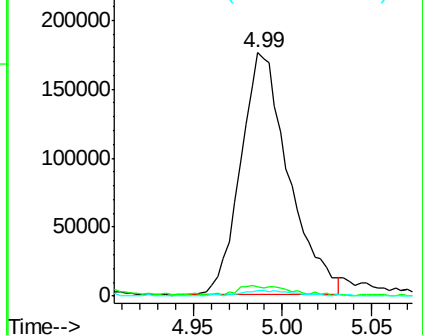
100 2.1 1.5 4.4

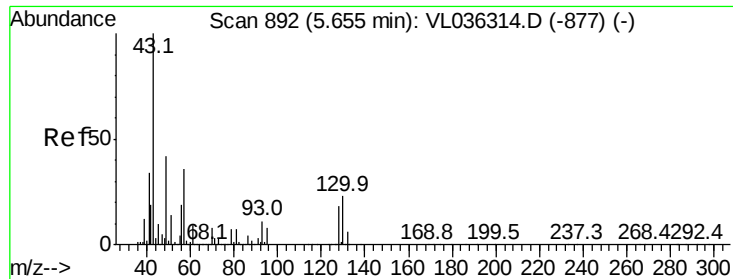


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

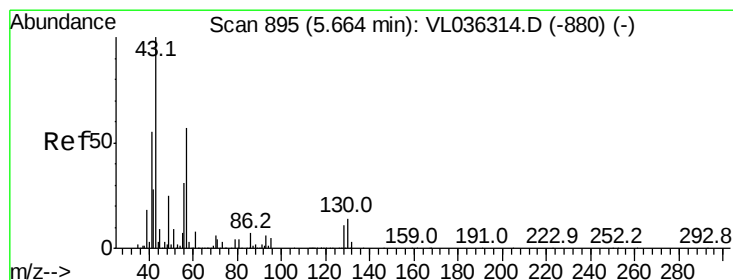
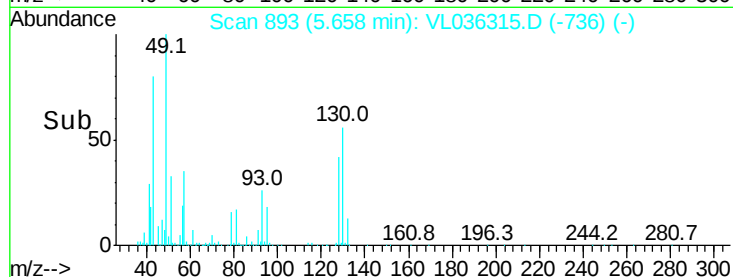
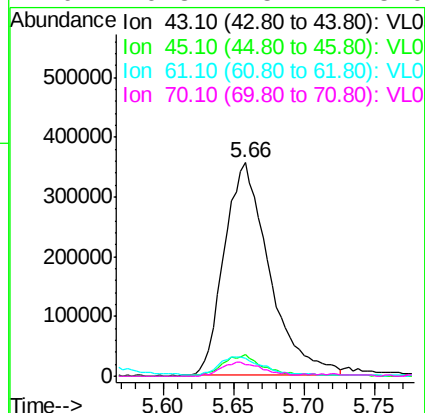
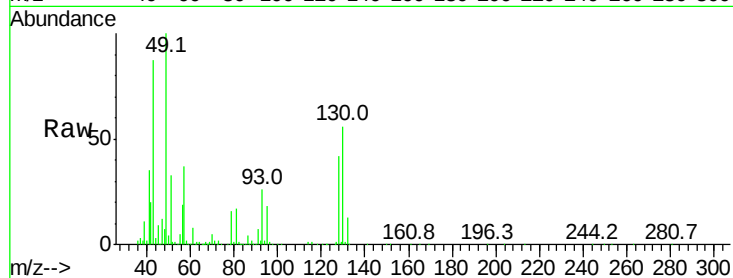




#25
Ethyl Acetate
Concen: 2.142 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

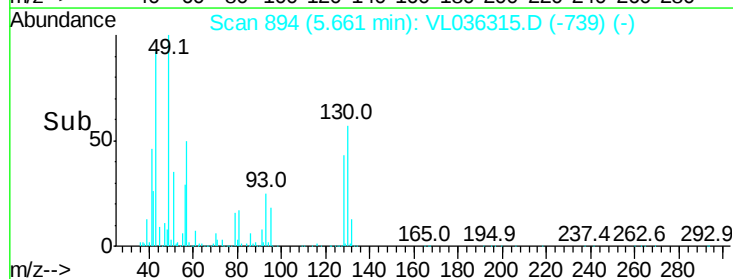
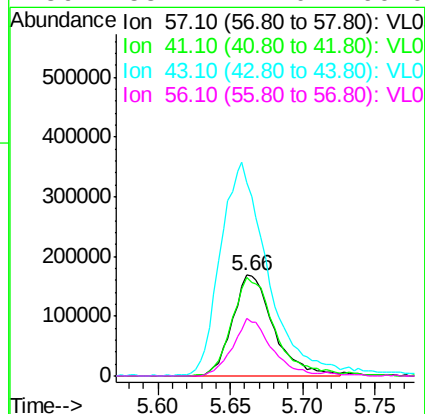
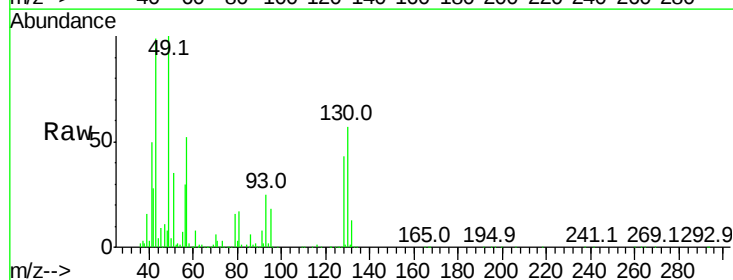
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

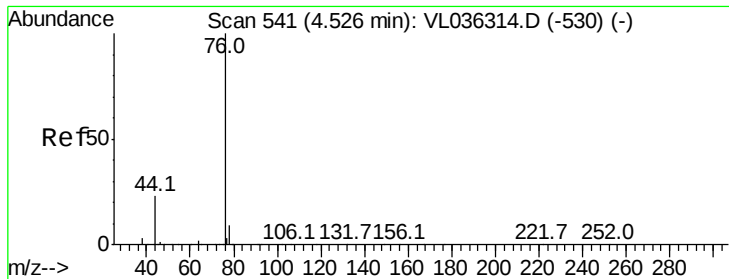
Tgt Ion:	43	Resp:	794369
Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.3	12.5
61	9.4	7.3	10.9
70	6.3	5.4	8.0



#26
Hexane
Concen: 2.150 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion:	57	Resp:	332056
Ion	Ratio	Lower	Upper
57	100		
41	104.9	81.7	122.5
43	251.4	199.1	298.7
56	55.2	44.0	66.0





#27

Carbon Disulfide

Concen: 2.264 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

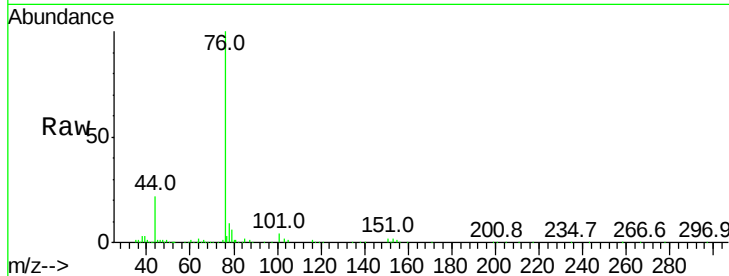
Tgt Ion: 76 Resp: 279601

Ion Ratio Lower Upper

76 100

44 23.1 18.4 27.6

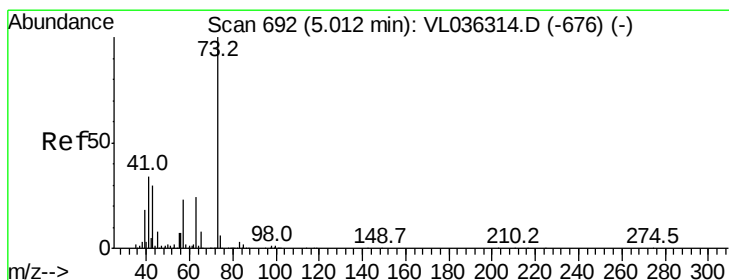
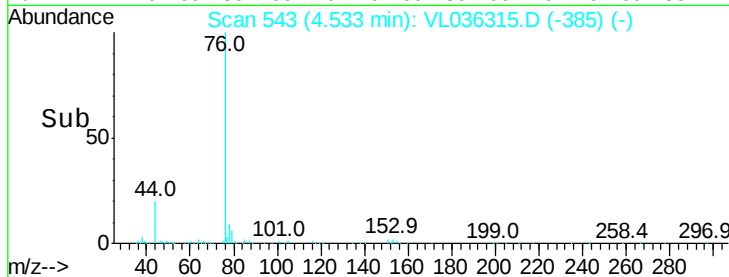
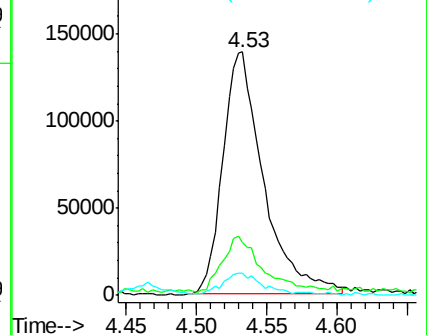
78 10.1 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.978 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL036315.D

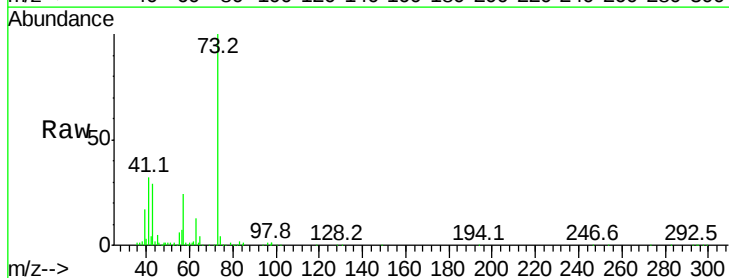
Acq: 10 Feb 2021 12:04

Tgt Ion: 73 Resp: 413157

Ion Ratio Lower Upper

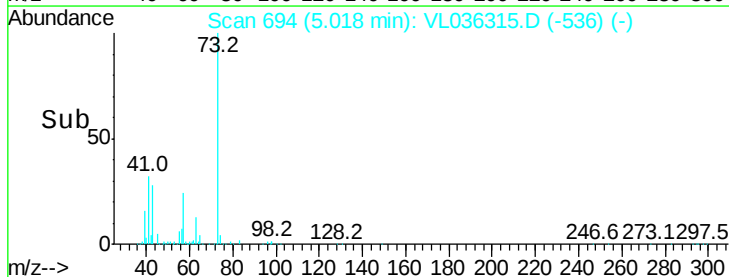
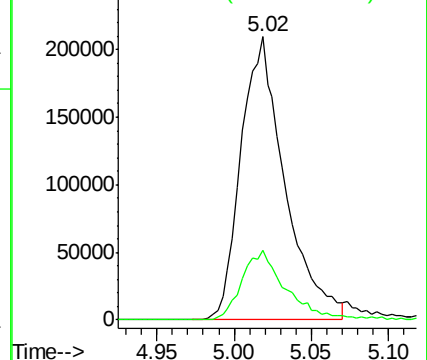
73 100

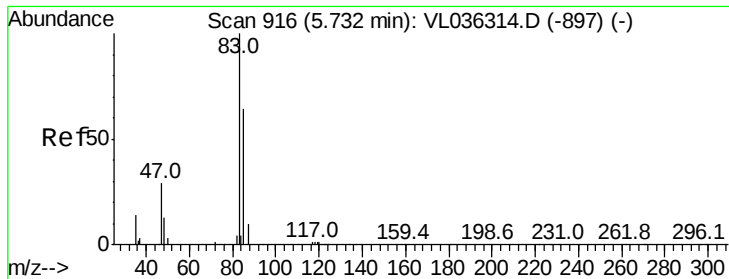
57 24.7 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

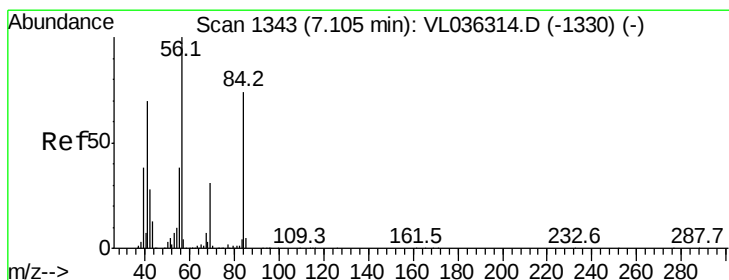
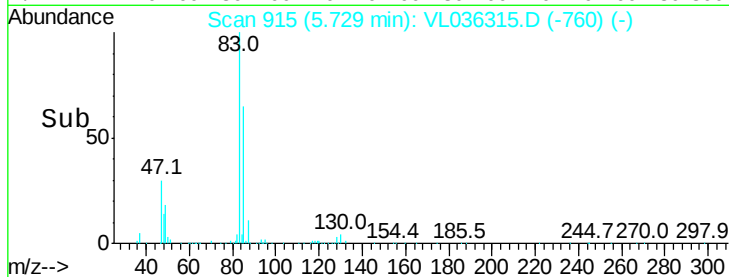
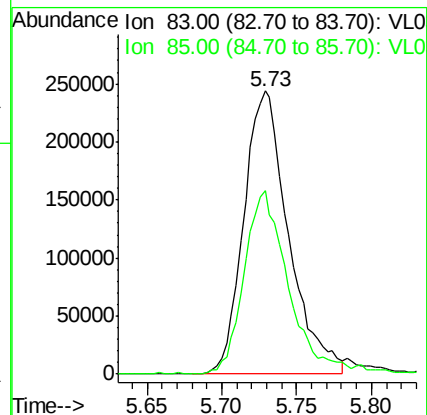
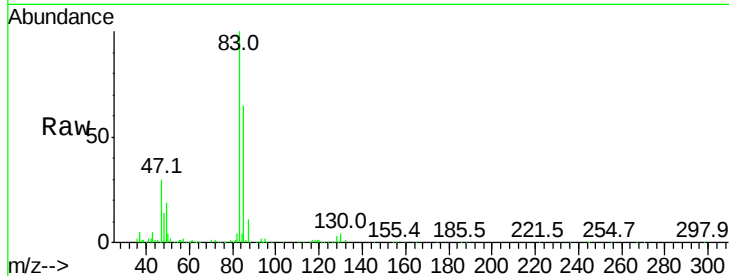




#29
Chloroform
Concen: 2.296 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

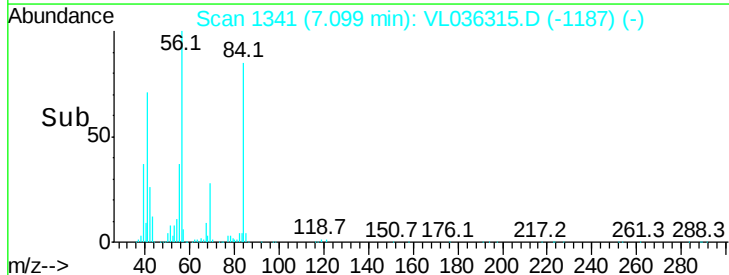
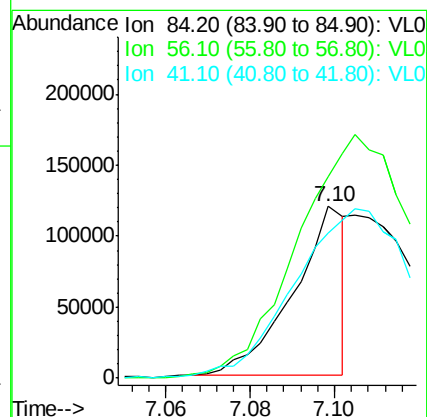
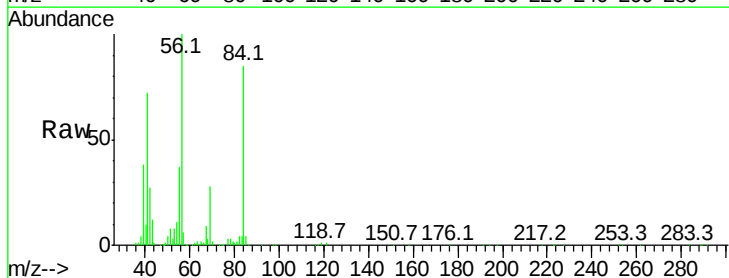
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

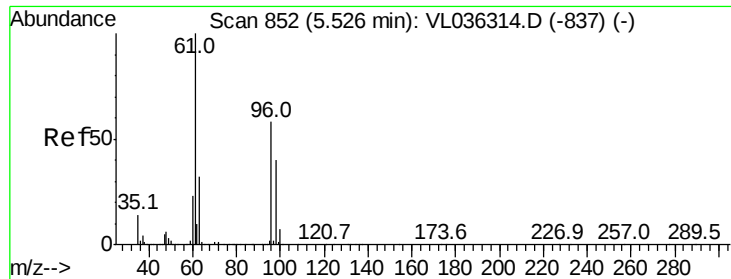
Tgt Ion: 83 Resp: 507670
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.2



#30
Cyclohexane
Concen: 0.867 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion: 84 Resp: 102353
Ion Ratio Lower Upper
84 100
56 0.0 120.2 180.4#
41 0.0 79.7 119.5#



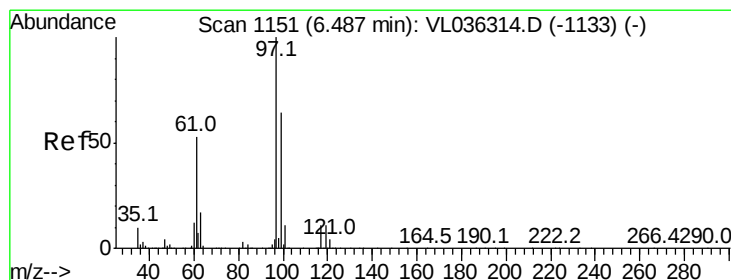
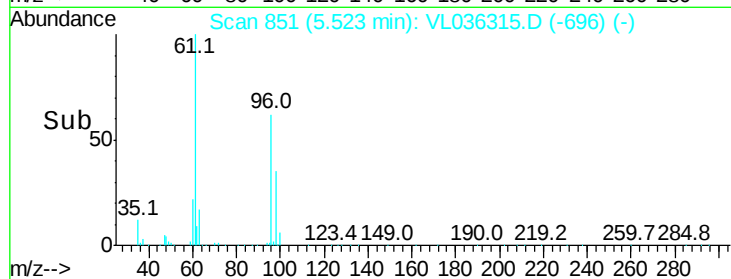
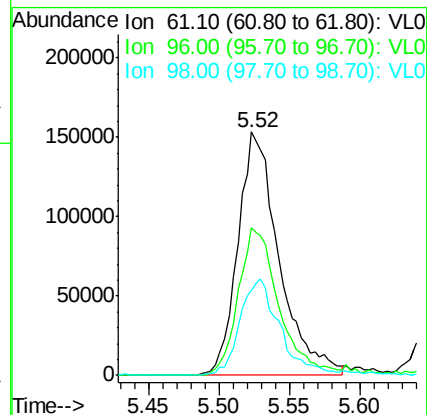
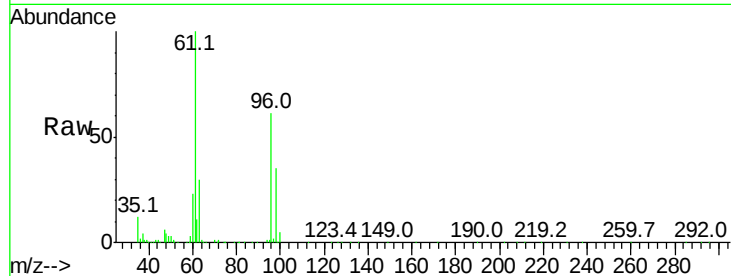


#31

cis-1,2-Dichloroethene
Concen: 2.129 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

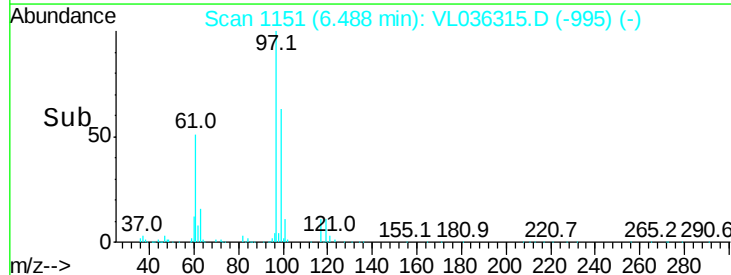
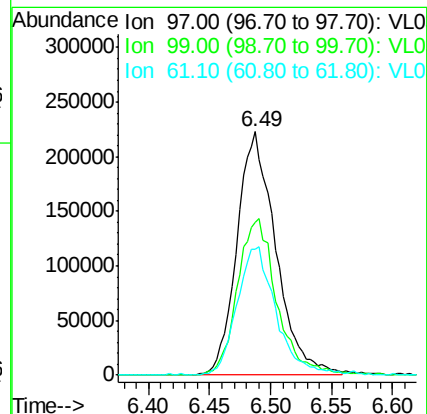
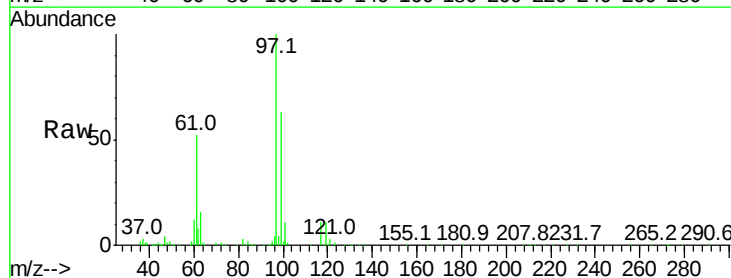
Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.7	46.0	69.0
98	34.8	31.9	47.9

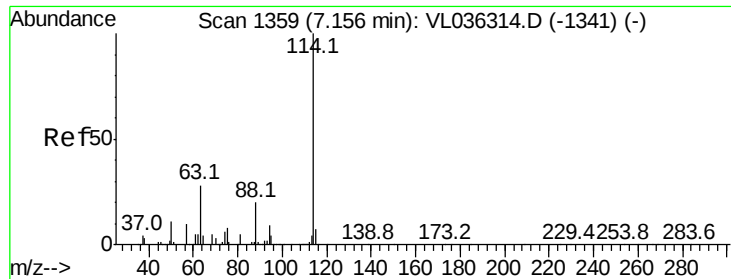


#32

1,1,1-Trichloroethane
Concen: 2.305 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.4
61	53.0	43.3	64.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

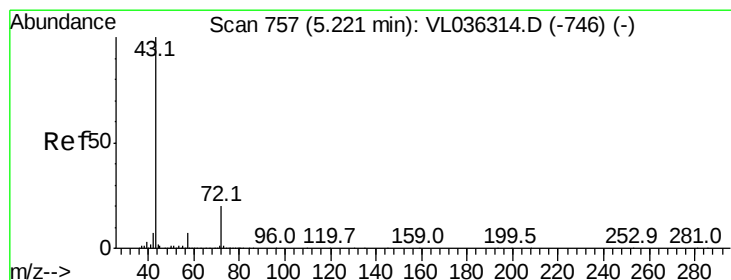
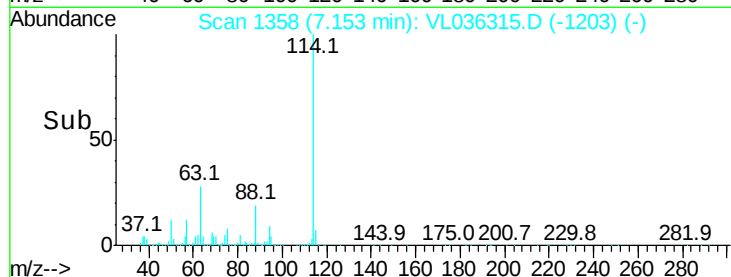
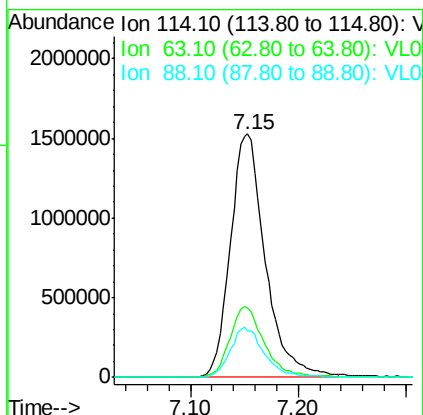
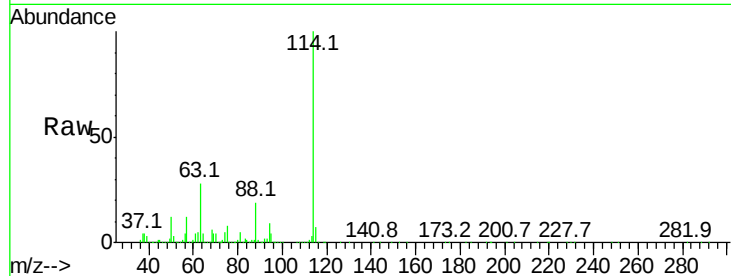
Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 114 Resp: 3445102

Ion	Ratio	Lower	Upper
114	100		
63	29.1	24.1	36.1
88	20.2	16.0	24.0



#34

2-Butanone

Concen: 1.800 ppbv

RT: 5.22 min Scan# 758

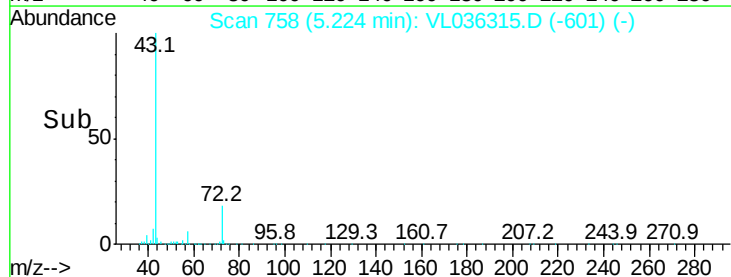
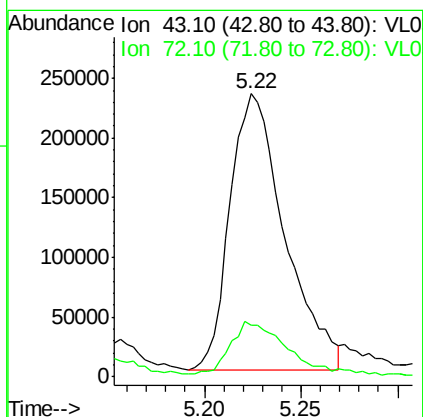
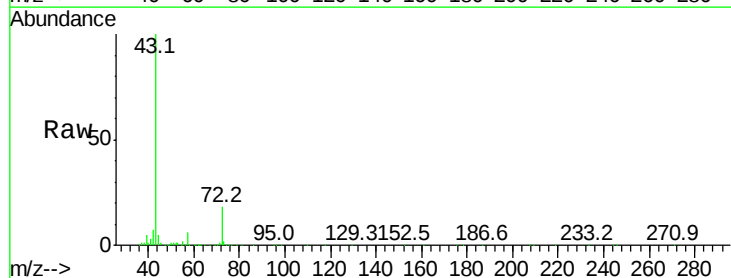
Delta R.T. 0.00 min

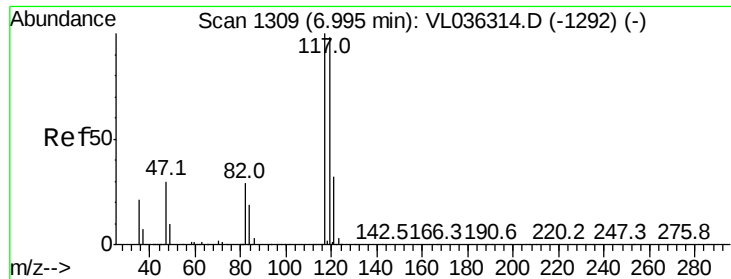
Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion: 43 Resp: 456742

Ion	Ratio	Lower	Upper
43	100		
72	23.6	16.7	25.1





#35

Carbon Tetrachloride

Concen: 2.184 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

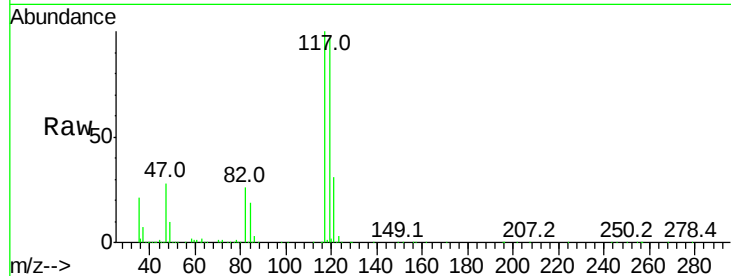
Tgt Ion: 117 Resp: 475432

Ion Ratio Lower Upper

117 100

119 96.9 78.1 117.1

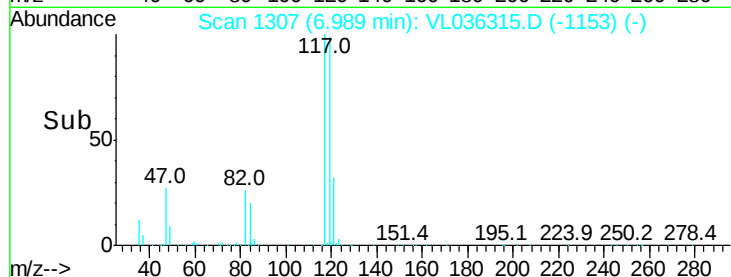
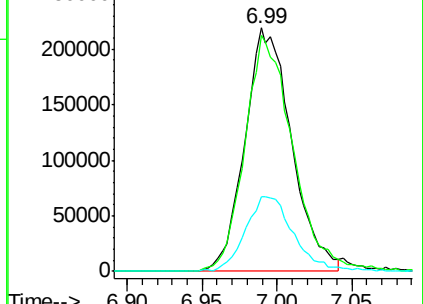
121 30.6 25.8 38.8



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: 2.068 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

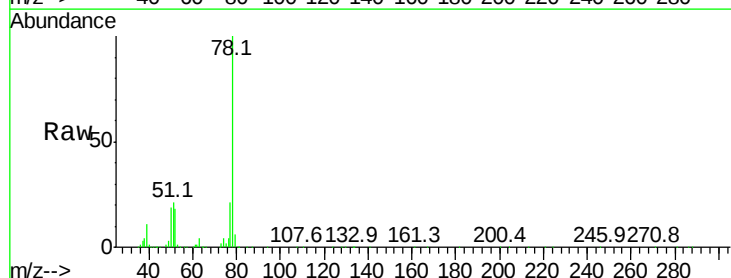
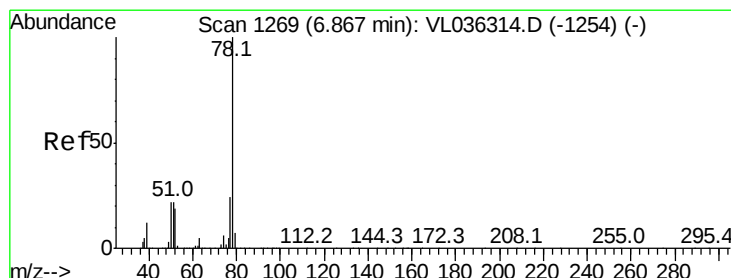
Tgt Ion: 78 Resp: 652878

Ion Ratio Lower Upper

78 100

77 20.8 18.9 28.3

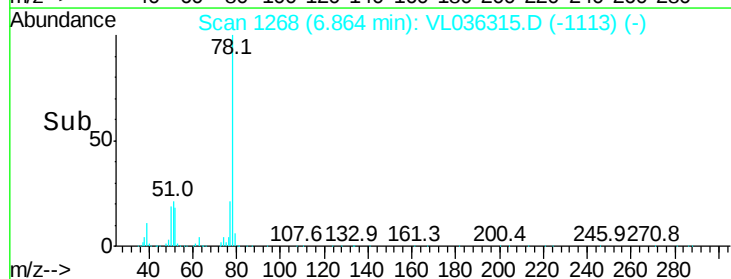
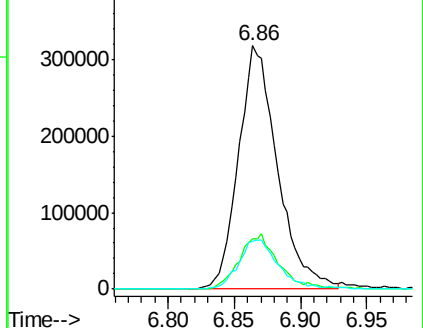
50 19.3 17.3 25.9

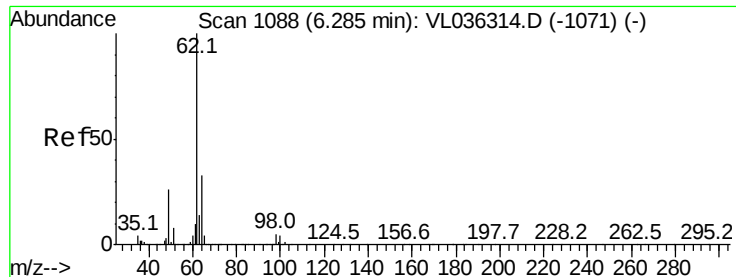


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

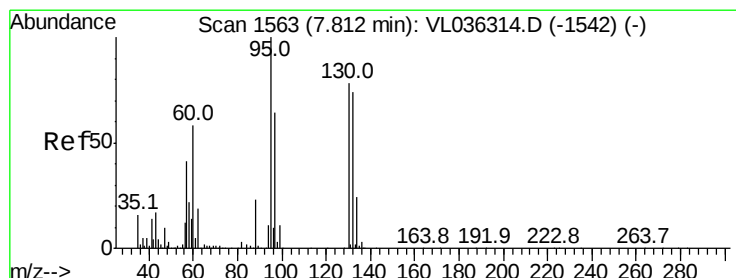
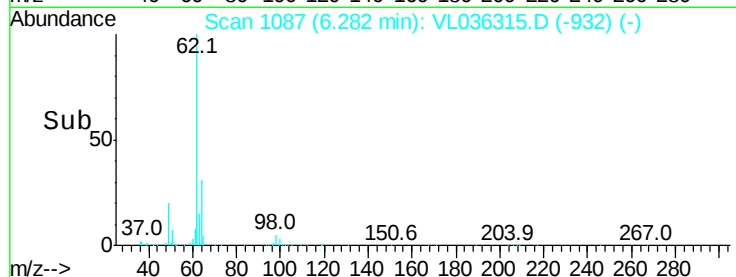
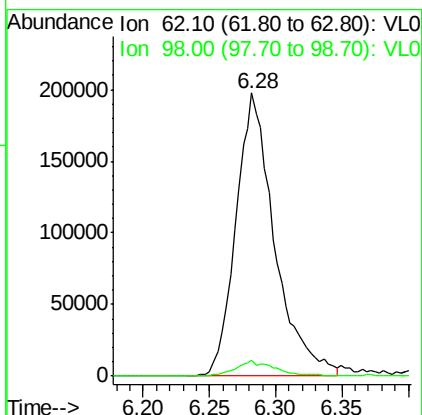
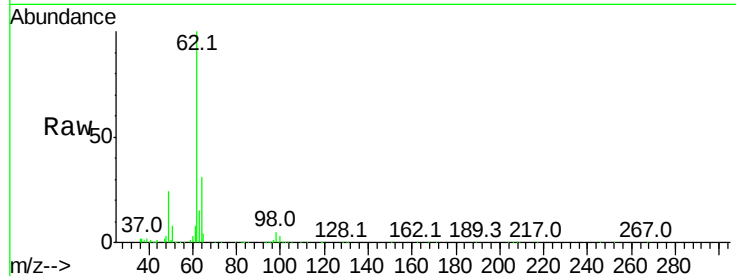




#37
 1,2-Dichloroethane
 Concen: 2.113 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

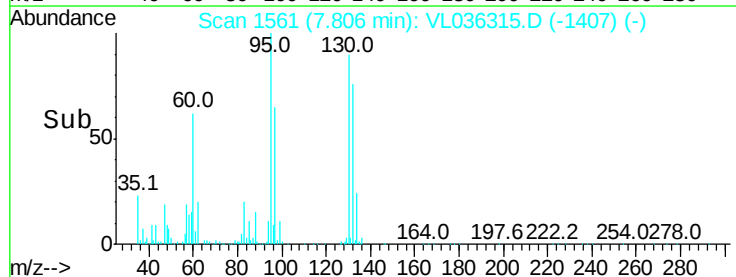
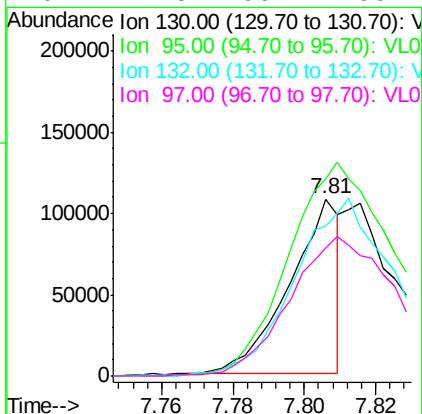
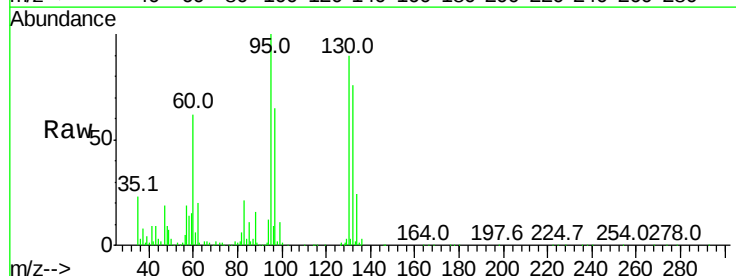
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

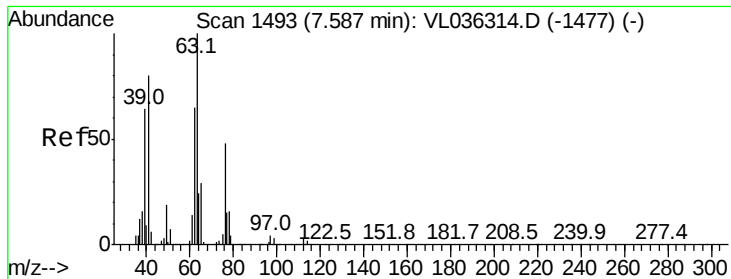
Tgt Ion: 62 Resp: 401430
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7



#38
 Trichloroethene
 Concen: 0.893 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion: 130 Resp: 104458
 Ion Ratio Lower Upper
 130 100
 95 112.2 102.8 154.2
 132 84.5 75.7 113.5
 97 72.8 66.2 99.2





#39

1,2-Dichloropropane

Concen: 2.074 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

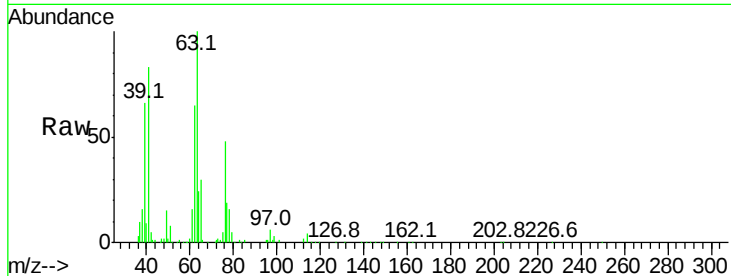
Tgt Ion: 63 Resp: 265864

Ion Ratio Lower Upper

63 100

41 82.4 63.8 95.6

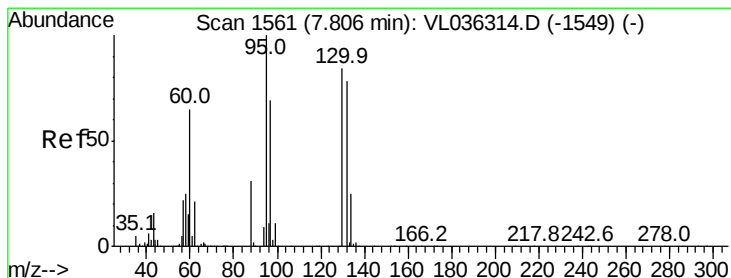
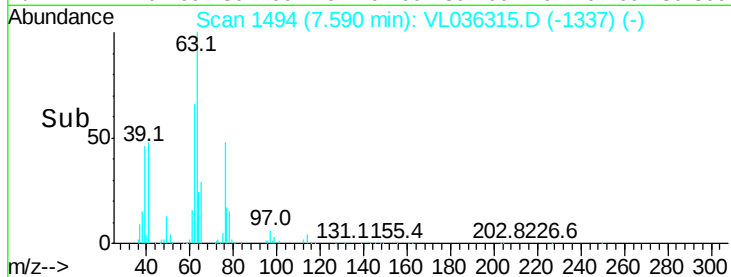
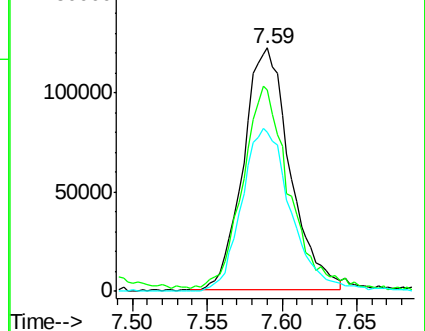
62 65.7 52.3 78.5



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: 1.651 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Tgt Ion: 88 Resp: 76557

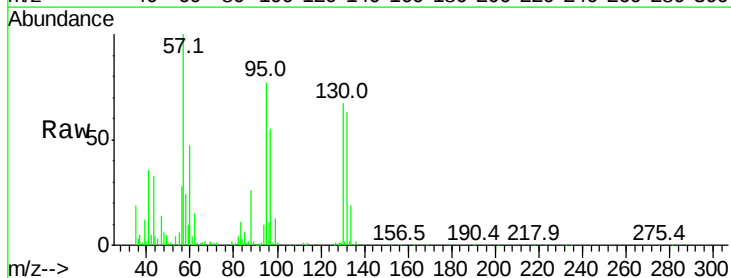
Ion Ratio Lower Upper

88 100

58 0.0 45.0 67.4#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

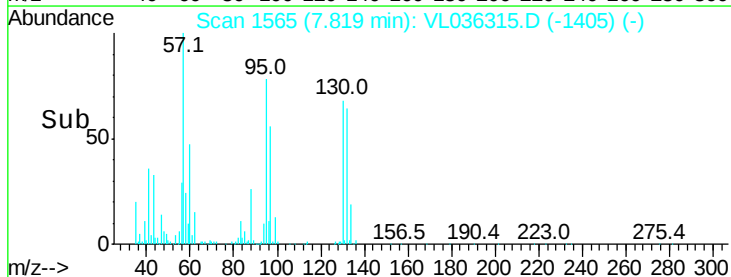
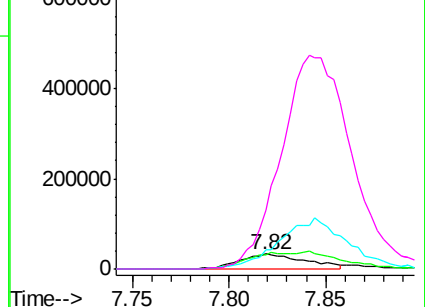


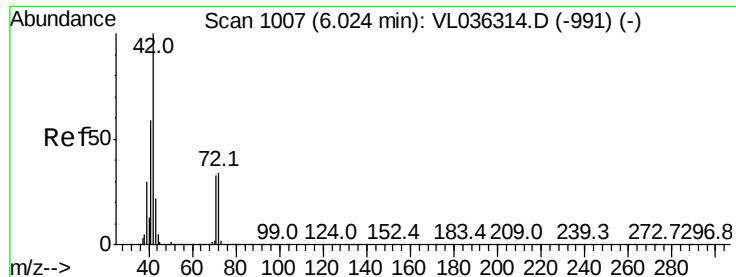
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 1.891 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. 0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

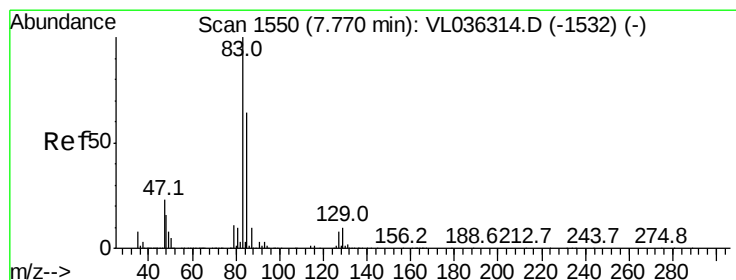
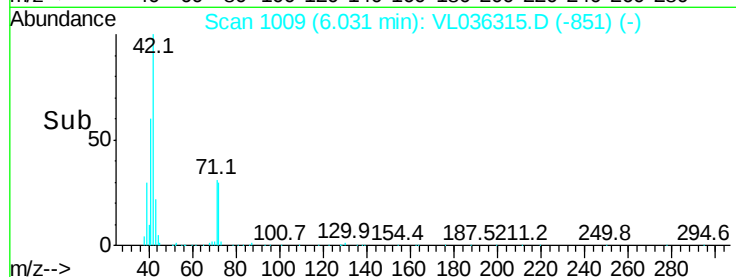
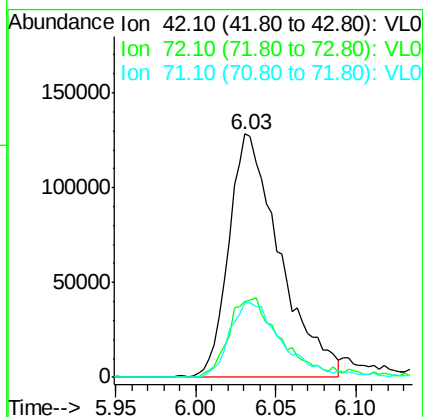
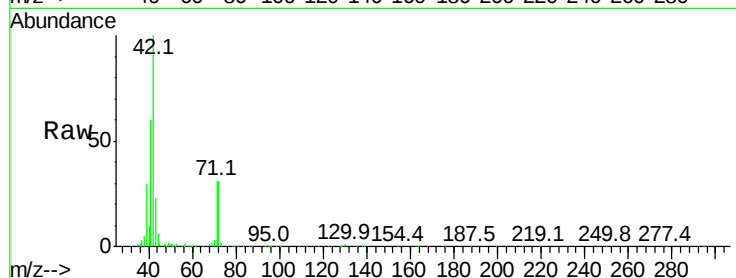
Tgt Ion: 42 Resp: 277222

Ion Ratio Lower Upper

42 100

72 36.2 29.3 43.9

71 33.1 27.8 41.8



#42

Bromodichloromethane

Concen: 2.247 ppbv

RT: 7.76 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

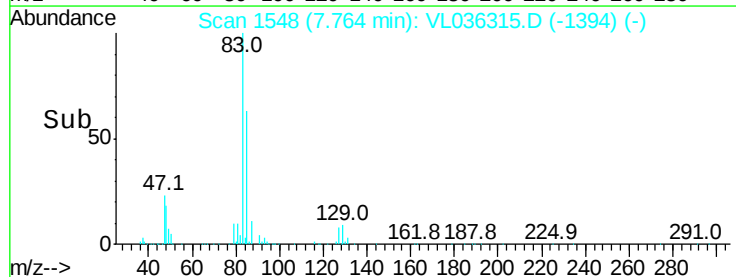
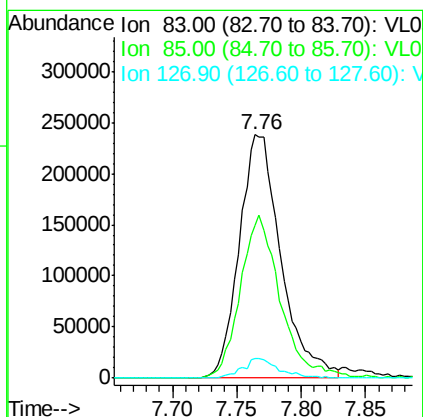
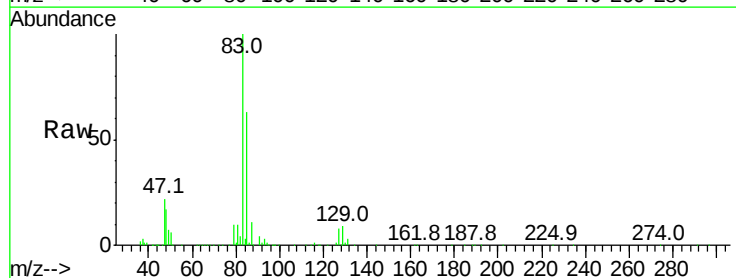
Tgt Ion: 83 Resp: 536495

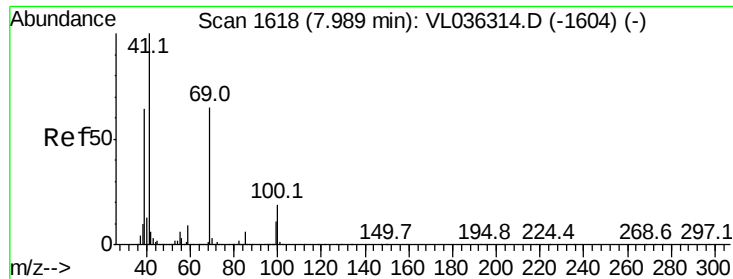
Ion Ratio Lower Upper

83 100

85 62.6 51.1 76.7

127 8.0 6.3 9.5

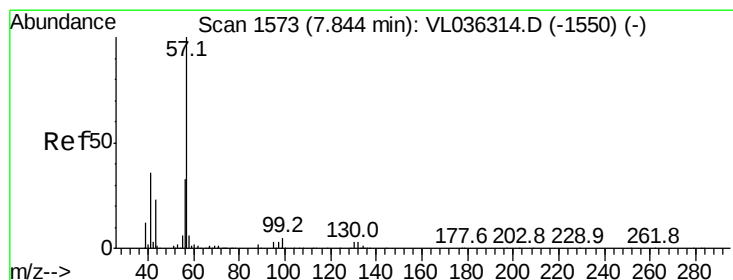
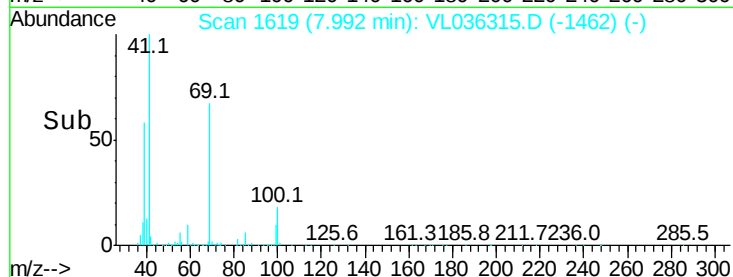
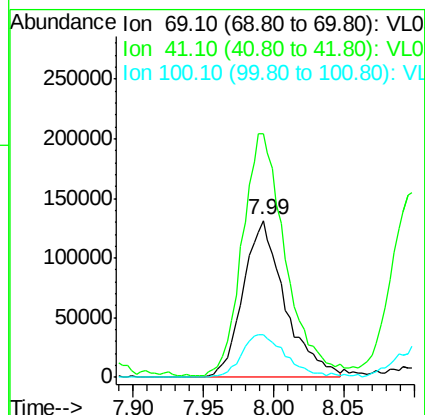
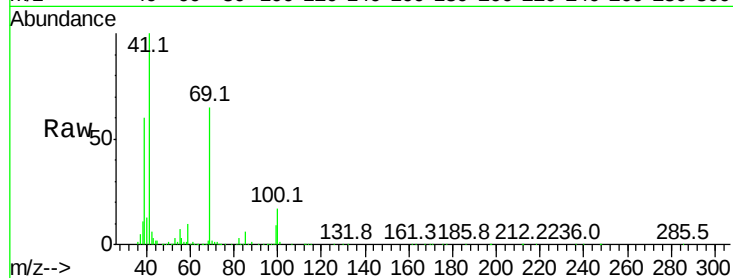




#43
Methyl Methacrylate
Concen: 2.038 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

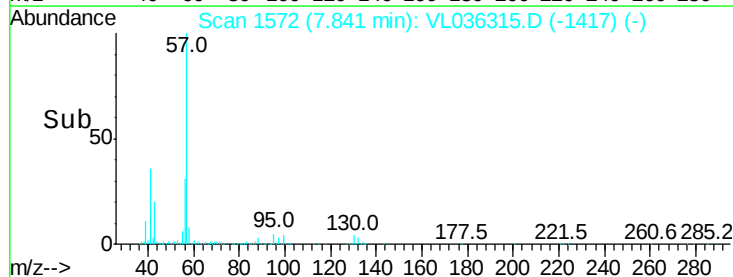
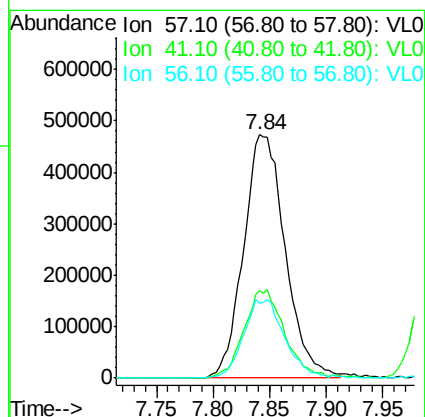
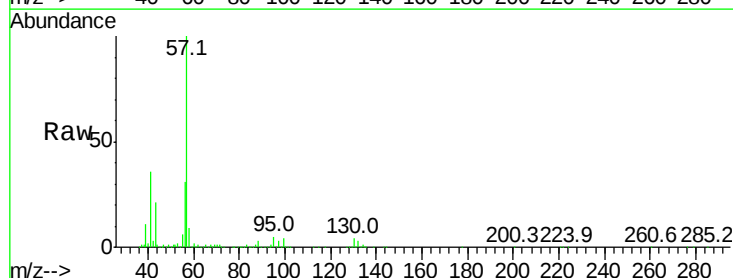
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

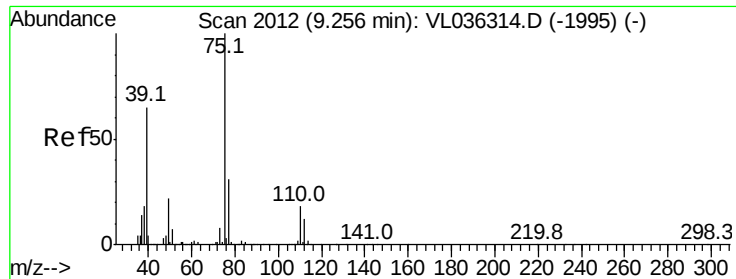
Tgt Ion: 69 Resp: 273434
Ion Ratio Lower Upper
69 100
41 158.8 126.5 189.7
100 29.6 23.1 34.7



#44
2,2,4-Trimethylpentane
Concen: 2.088 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion: 57 Resp: 1210783
Ion Ratio Lower Upper
57 100
41 35.3 28.8 43.2
56 32.2 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 1.989 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

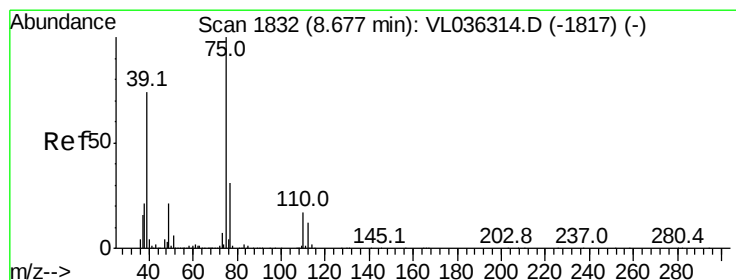
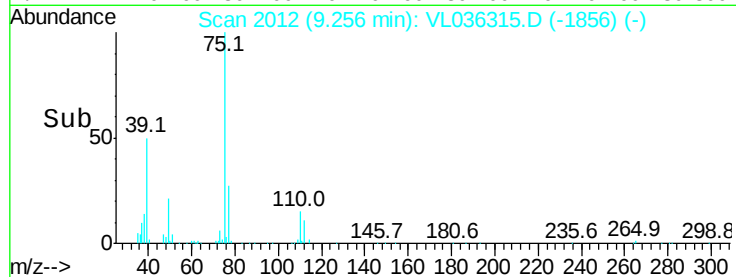
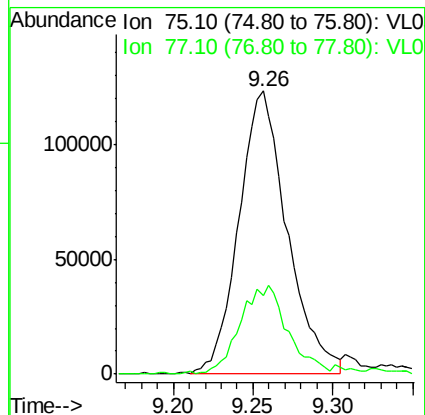
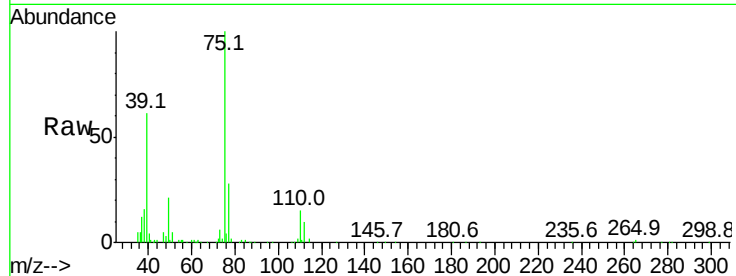
VSTDIC002

Tgt Ion: 75 Resp: 253376

Ion Ratio Lower Upper

75 100

77 27.5 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 2.011 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

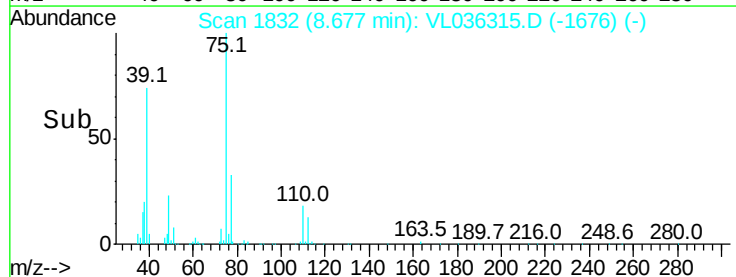
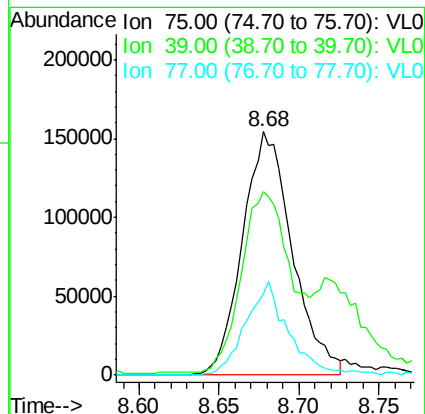
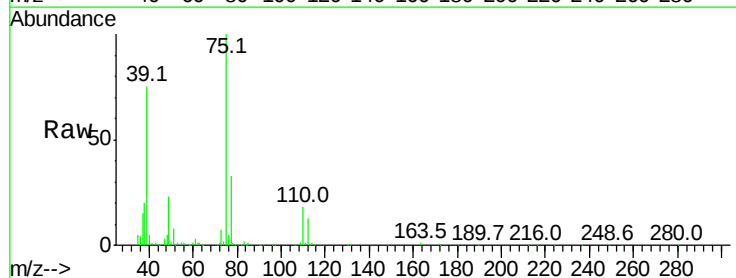
Tgt Ion: 75 Resp: 329199

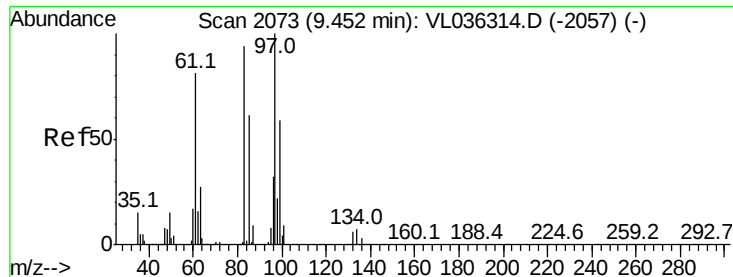
Ion Ratio Lower Upper

75 100

39 74.1 59.2 88.8

77 33.3 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 2.138 ppbv

RT: 9.45 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 262173

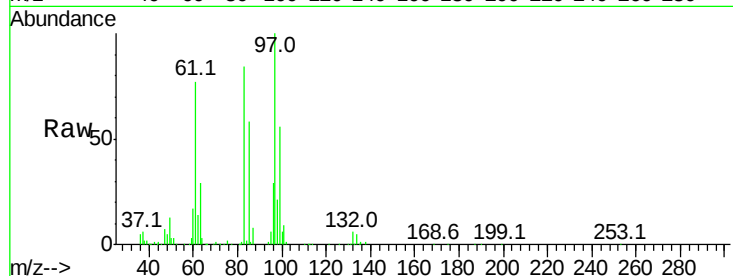
Ion Ratio Lower Upper

97 100

83 83.7 75.4 113.0

85 57.7 48.9 73.3

99 55.2 46.9 70.3

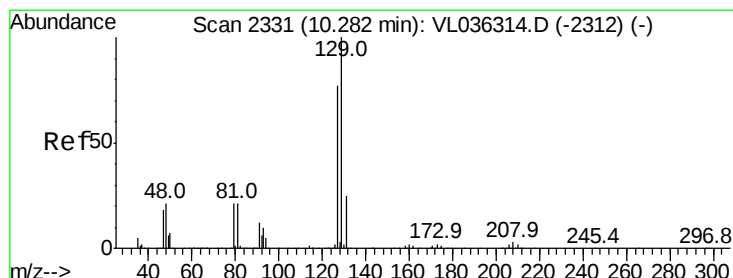
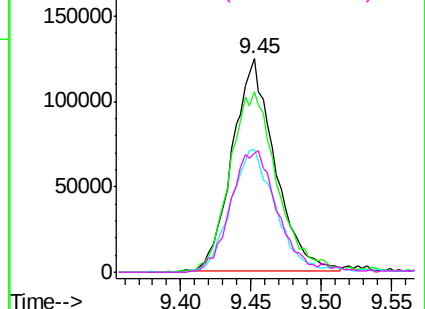
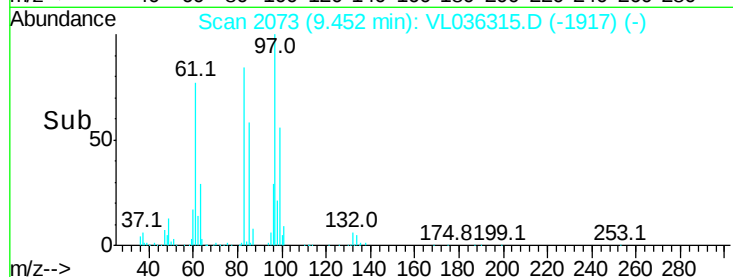


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 2.220 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VL036315.D

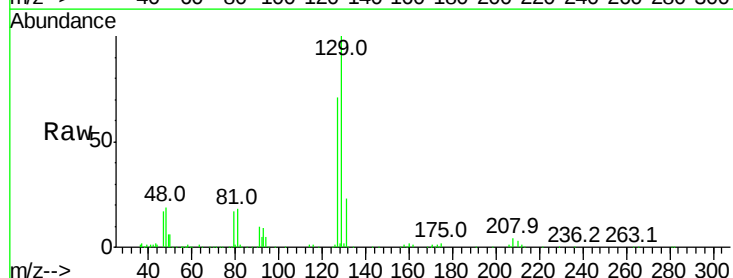
Acq: 10 Feb 2021 12:04

Tgt Ion: 129 Resp: 398269

Ion Ratio Lower Upper

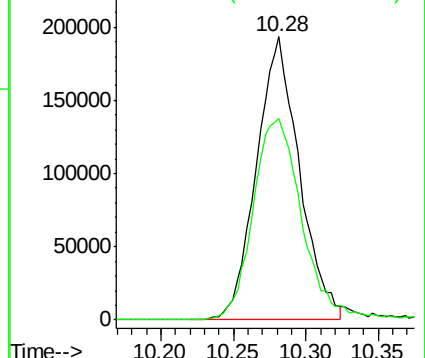
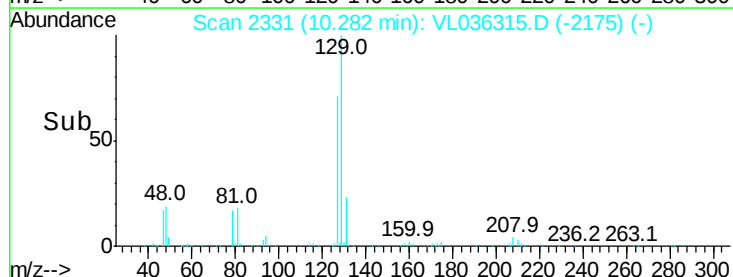
129 100

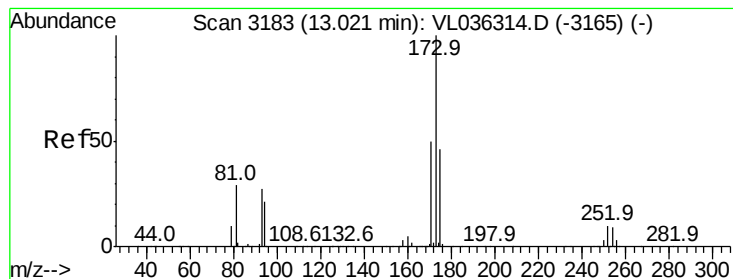
127 81.8 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.165 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

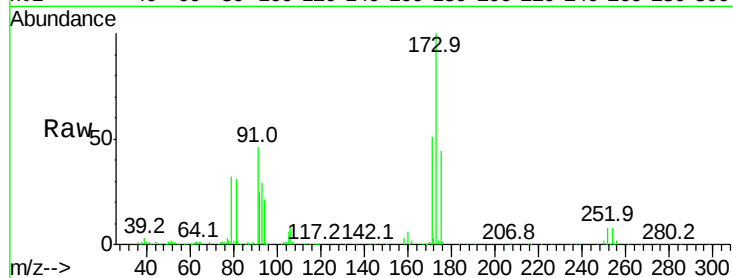
Tgt Ion:173 Resp: 324235

Ion Ratio Lower Upper

173 100

175 51.4 40.2 60.2

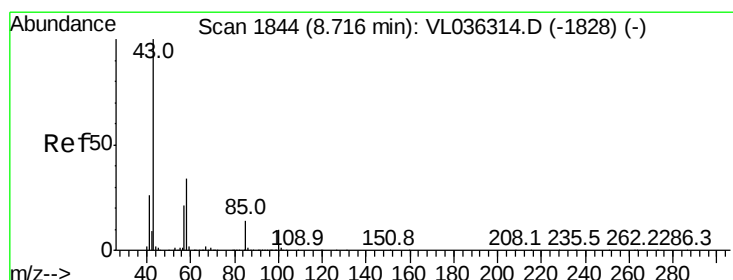
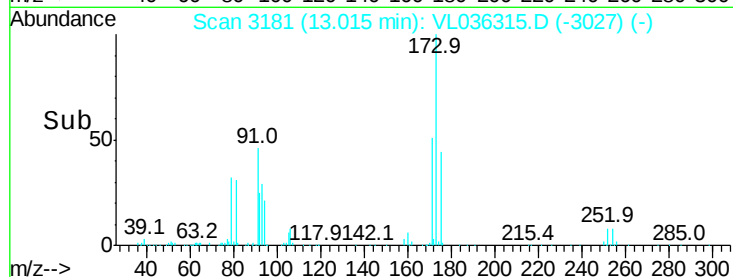
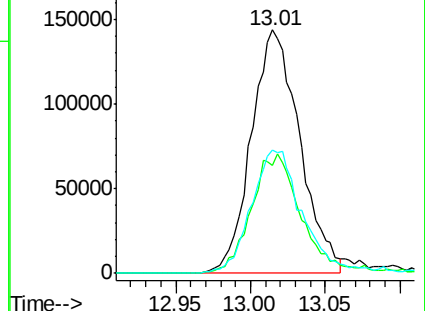
171 54.5 43.4 65.2



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: 2.031 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL036315.D

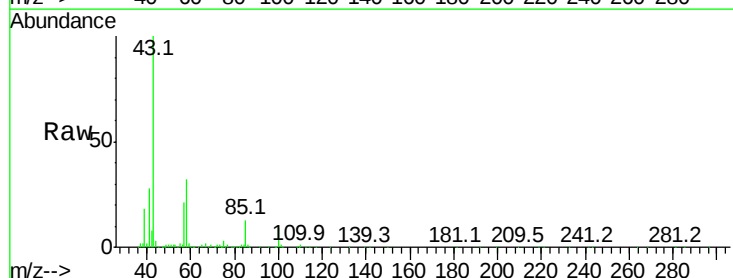
Acq: 10 Feb 2021 12:04

Tgt Ion: 43 Resp: 768353

Ion Ratio Lower Upper

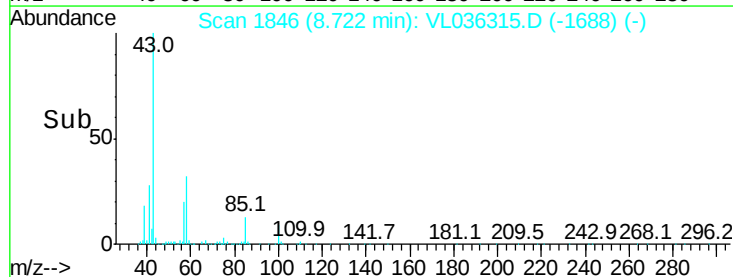
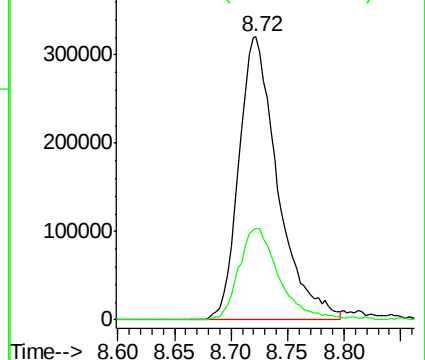
43 100

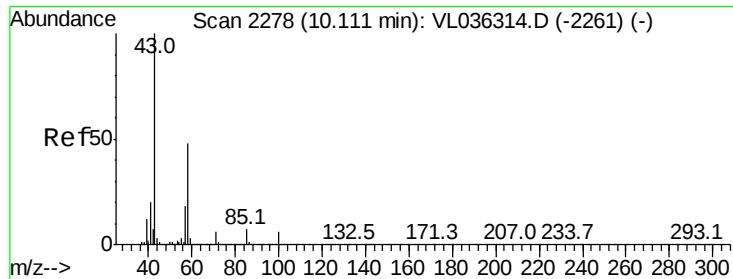
58 34.0 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

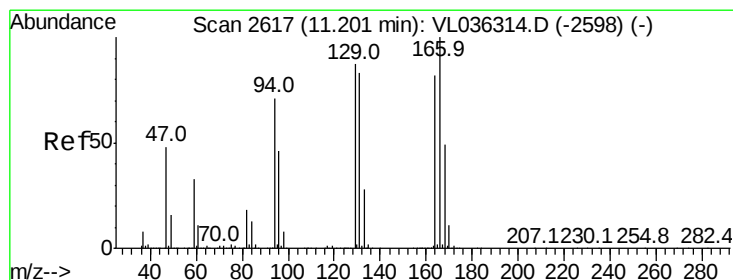
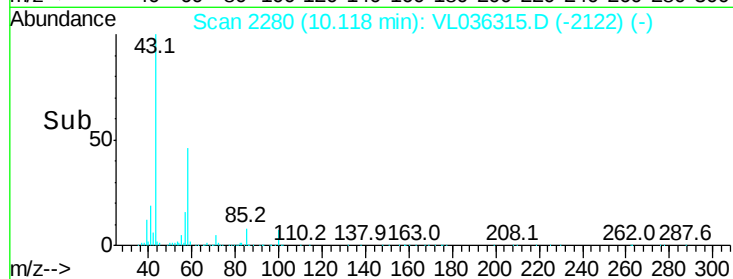
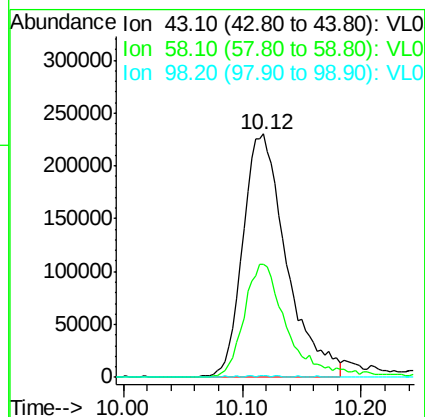
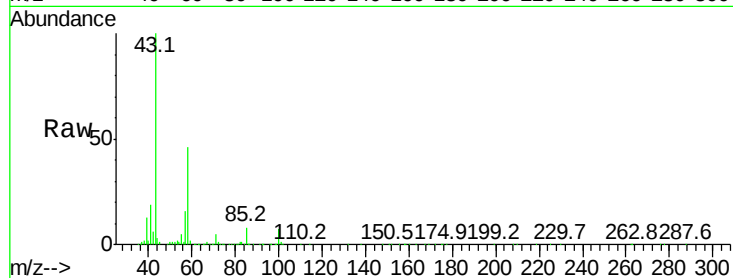




#51
2-Hexanone
Concen: 1.956 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

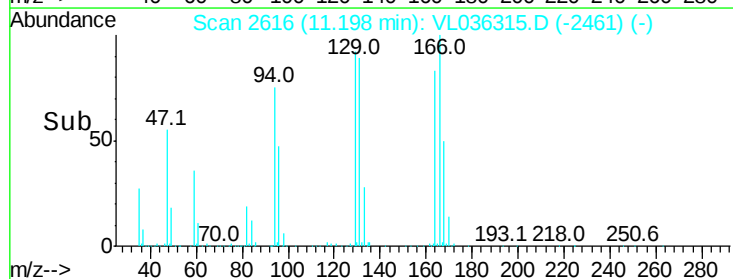
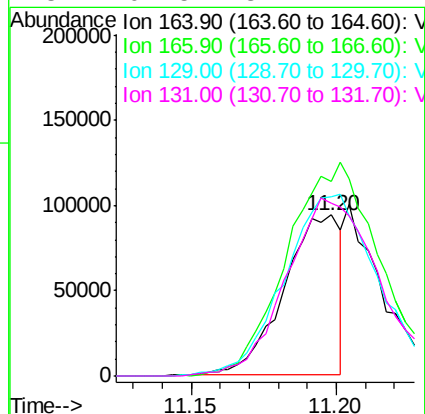
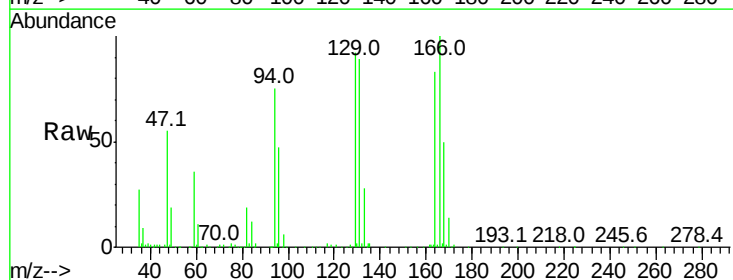
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

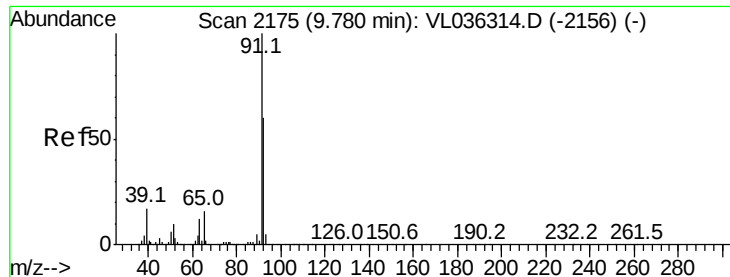
Tgt Ion: 43 Resp: 583855
Ion Ratio Lower Upper
43 100
58 47.4 38.7 58.1
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 1.099 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion: 164 Resp: 127803
Ion Ratio Lower Upper
164 100
166 121.4 97.8 146.8
129 111.7 84.9 127.3
131 107.5 81.4 122.2





#53

Toluene

Concen: 2.040 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

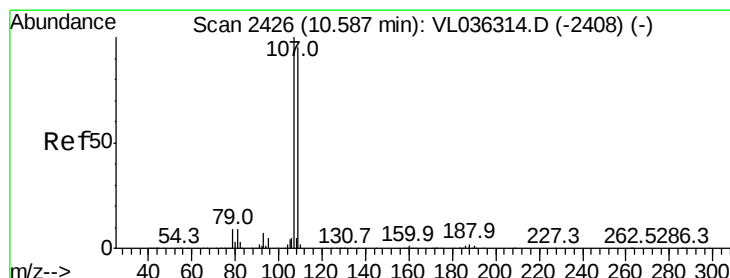
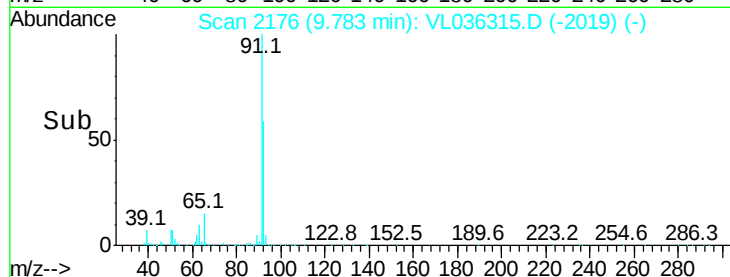
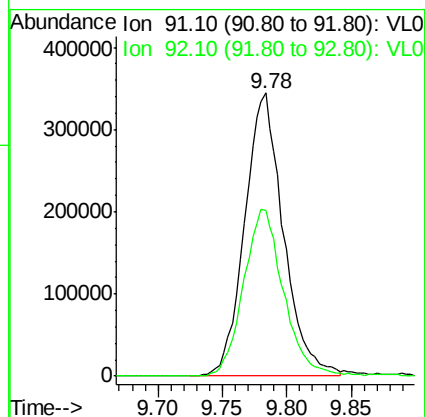
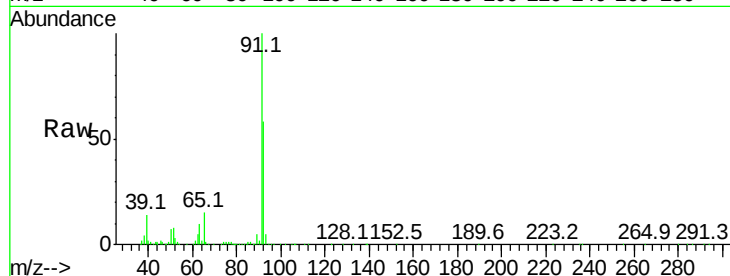
VSTDIC002

Tgt Ion: 91 Resp: 720431

Ion Ratio Lower Upper

91 100

92 61.3 48.6 72.8



#54

1,2-Dibromoethane

Concen: 2.070 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL036315.D

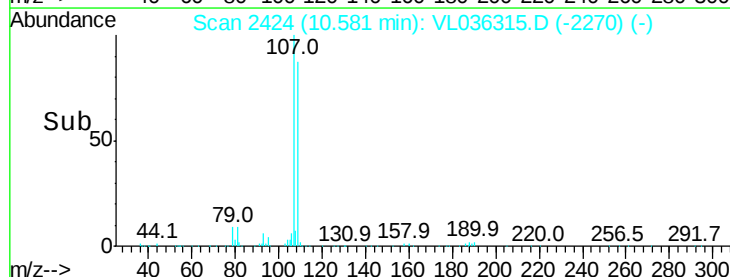
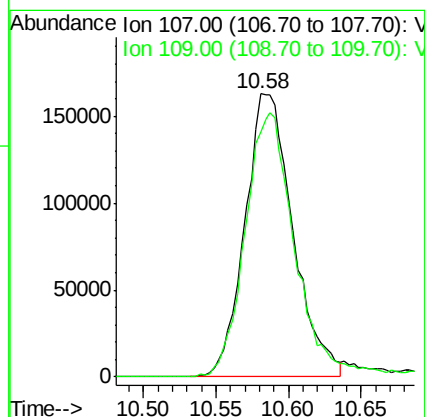
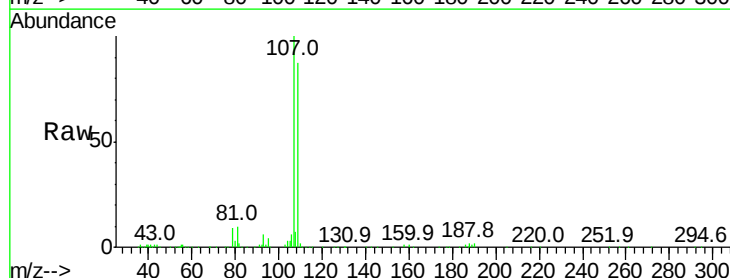
Acq: 10 Feb 2021 12:04

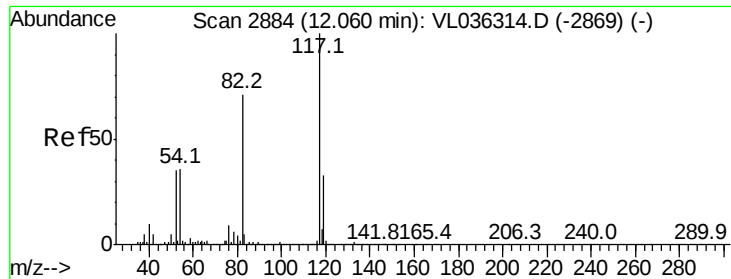
Tgt Ion: 107 Resp: 376196

Ion Ratio Lower Upper

107 100

109 86.3 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

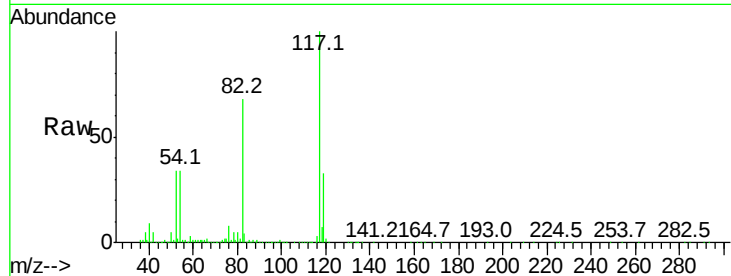
Tgt Ion:117 Resp: 3314817

Ion Ratio Lower Upper

117 100

82 68.2 59.1 88.7

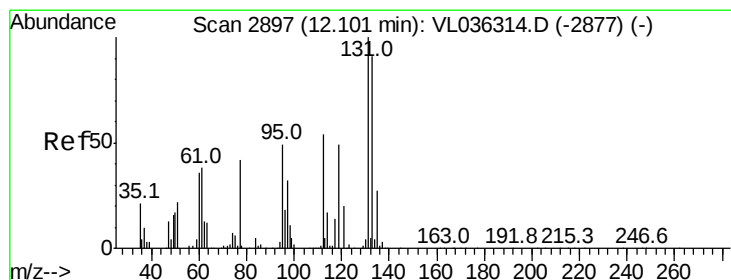
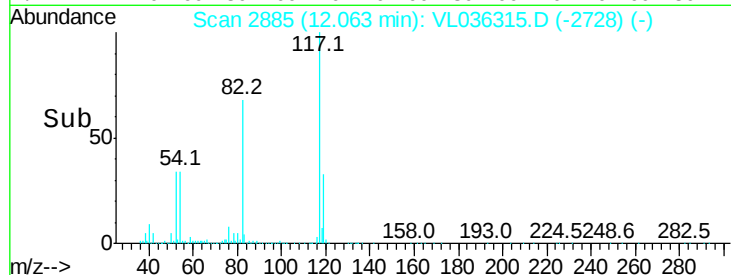
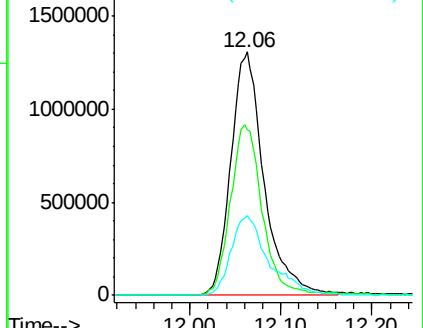
119 37.6 46.3 69.5#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 2.242 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

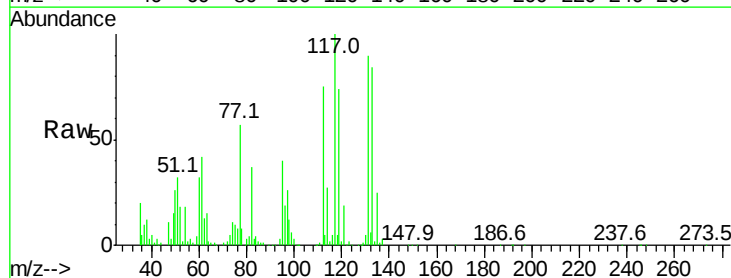
Tgt Ion:131 Resp: 331660

Ion Ratio Lower Upper

131 100

133 92.9 76.0 114.0

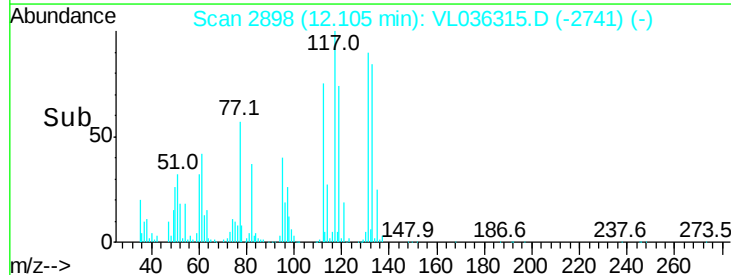
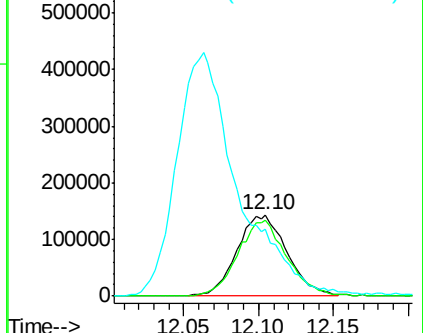
119 375.5 115.1 172.7#

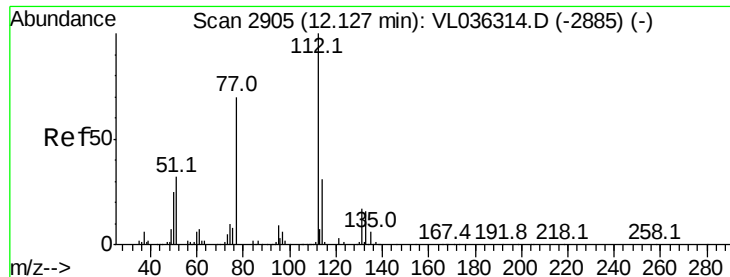


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 2.091 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

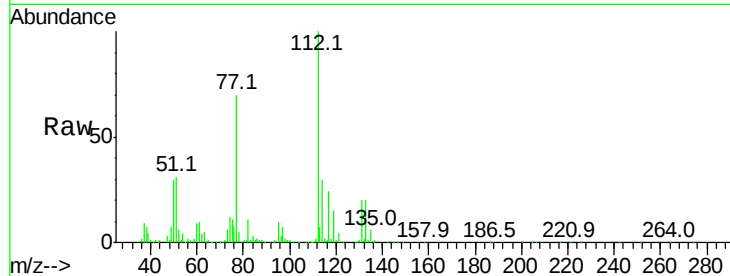
Tgt Ion: 112 Resp: 543789

Ion Ratio Lower Upper

112 100

77 67.8 56.1 84.1

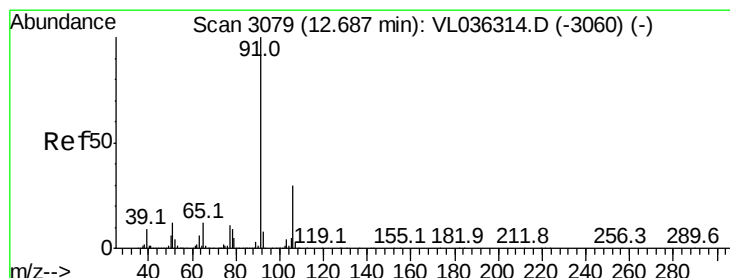
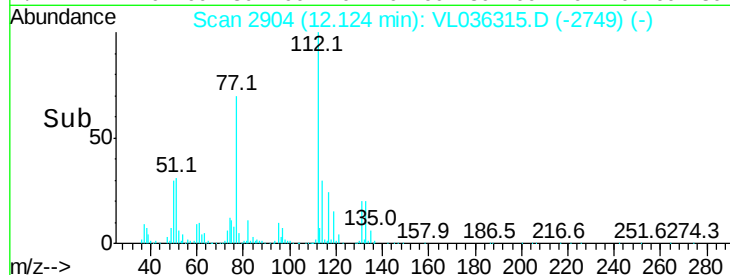
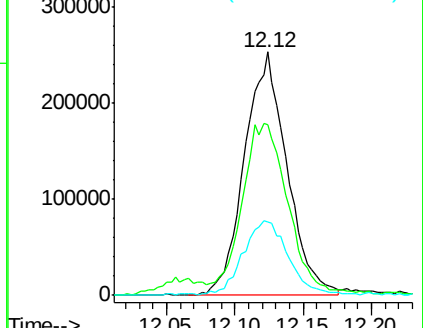
114 29.0 28.3 34.5



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: 2.052 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VL036315.D

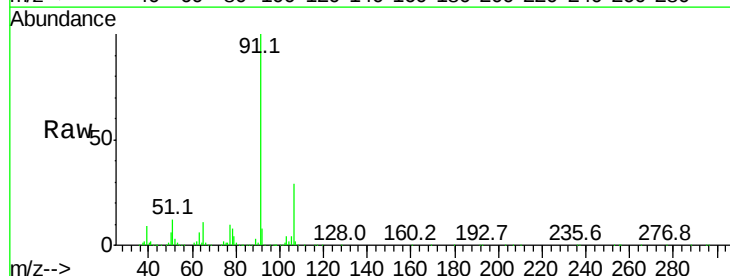
Acq: 10 Feb 2021 12:04

Tgt Ion: 91 Resp: 1009259

Ion Ratio Lower Upper

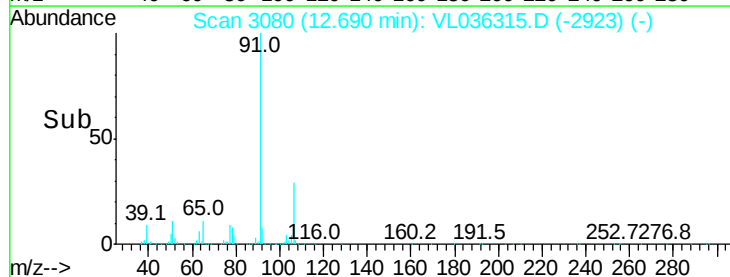
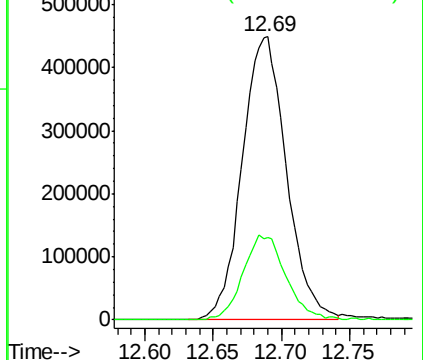
91 100

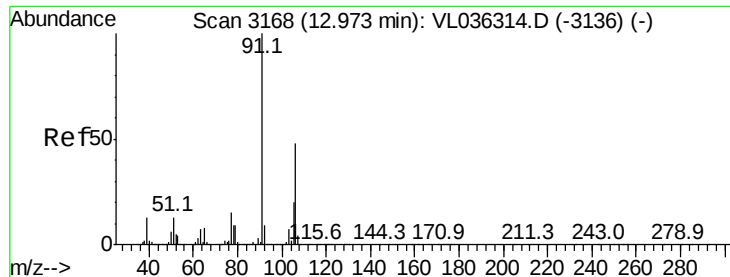
106 29.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

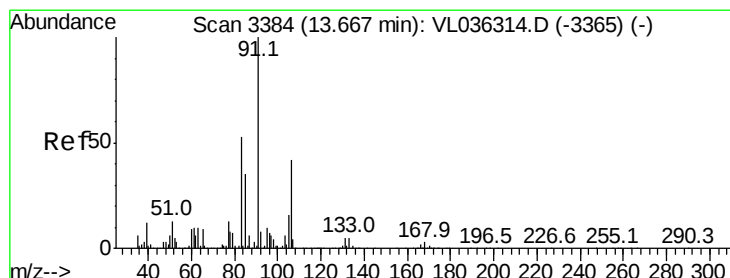
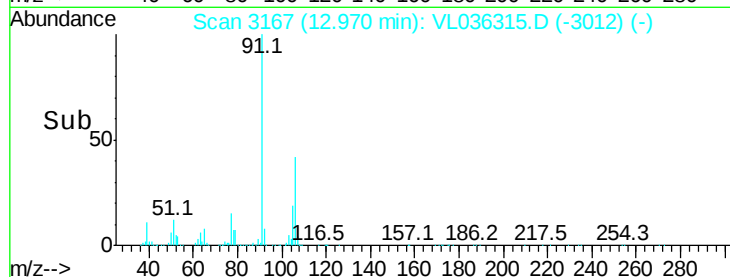
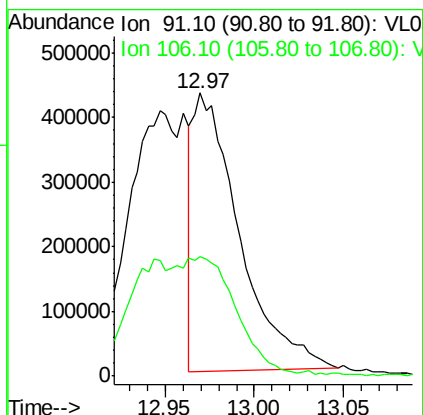
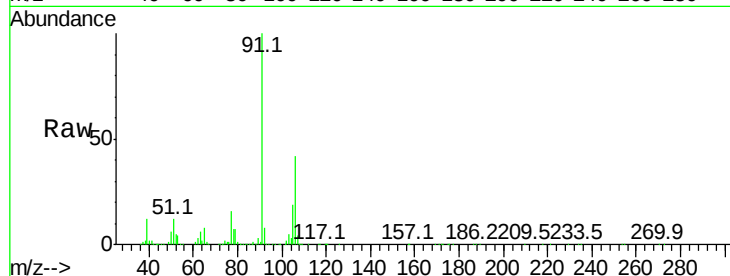




#59
m/p-Xylene
Concen: 1.810 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

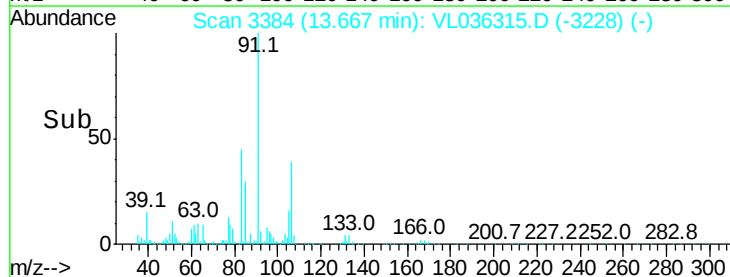
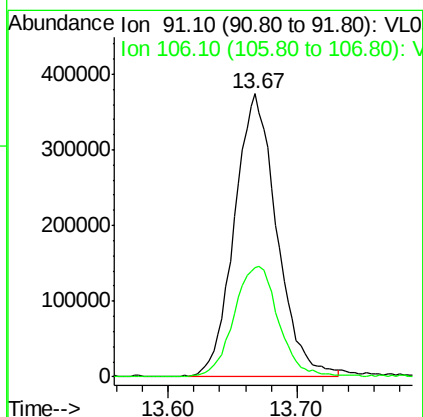
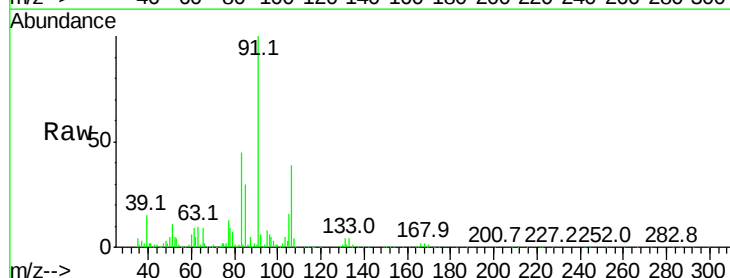
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

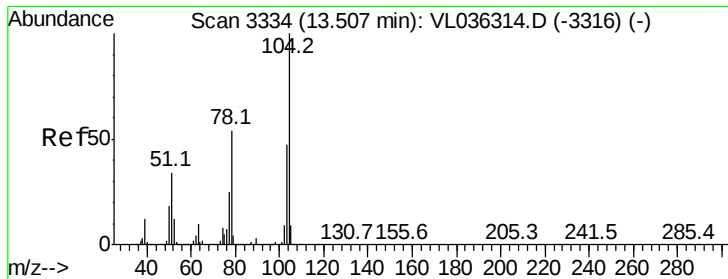
Tgt Ion: 91 Resp: 765225
Ion Ratio Lower Upper
91 100
106 96.9 34.2 51.2#



#60
o-Xylene
Concen: 2.083 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion: 91 Resp: 848603
Ion Ratio Lower Upper
91 100
106 41.9 22.0 66.0





#61

Styrene

Concen: 2.019 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

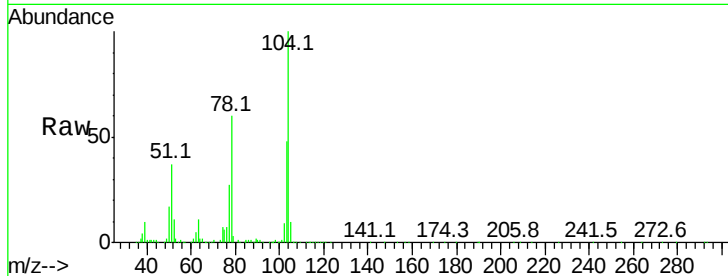
Tgt Ion:104 Resp: 519460

Ion Ratio Lower Upper

104 100

78 58.3 46.2 69.2

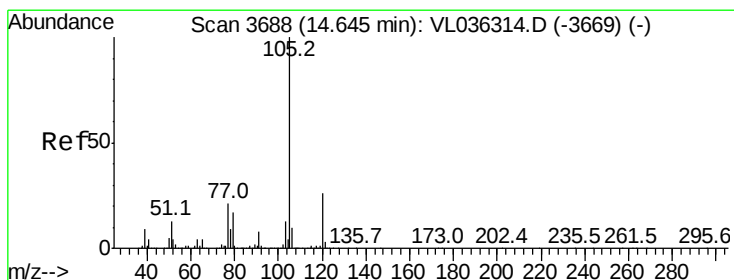
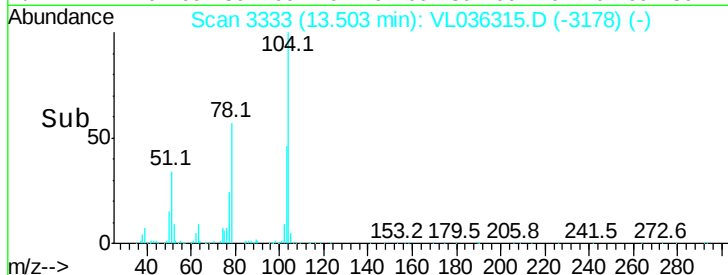
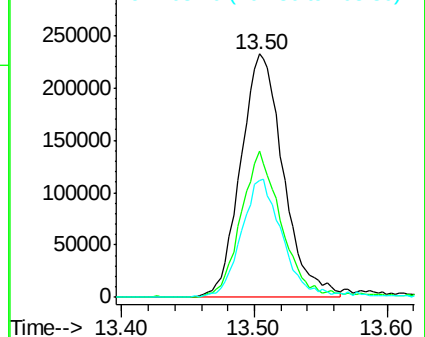
103 47.8 38.3 57.5



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: 2.084 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. 0.00 min

Lab File: VL036315.D

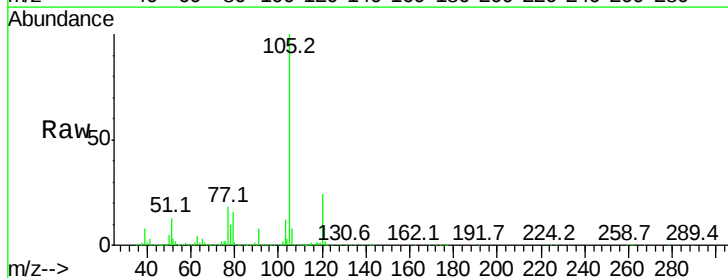
Acq: 10 Feb 2021 12:04

Tgt Ion:105 Resp: 1262286

Ion Ratio Lower Upper

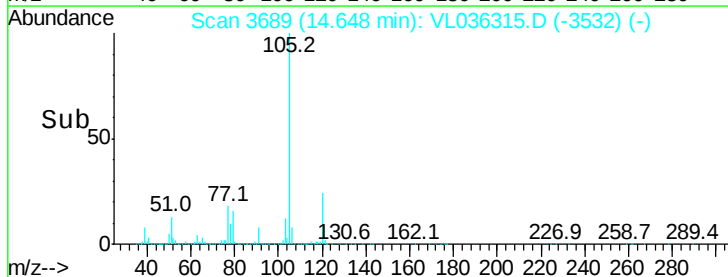
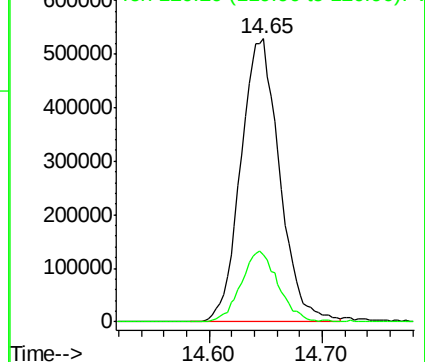
105 100

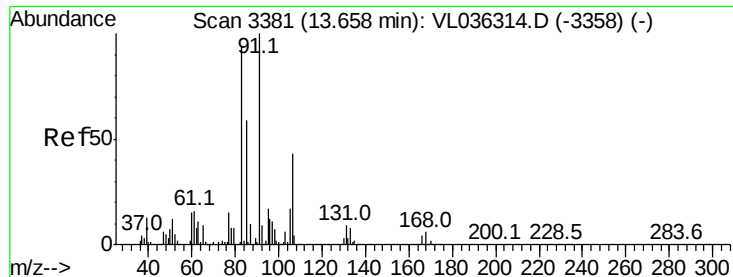
120 24.4 20.6 30.8



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: 2.031 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

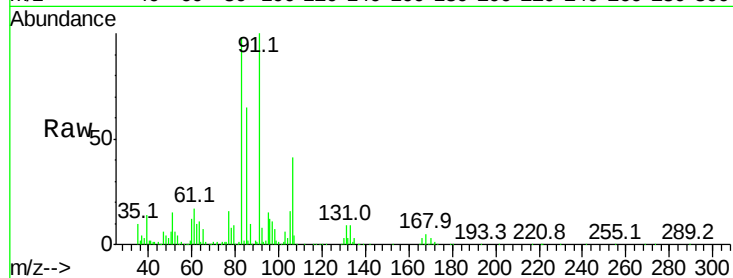
Tgt Ion: 83 Resp: 616008

Ion Ratio Lower Upper

83 100

131 8.7 4.7 14.0

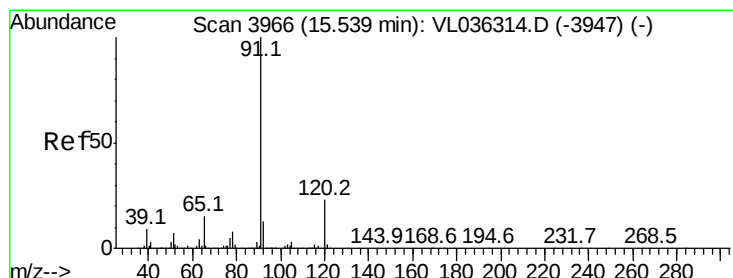
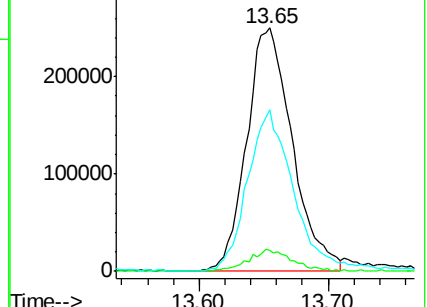
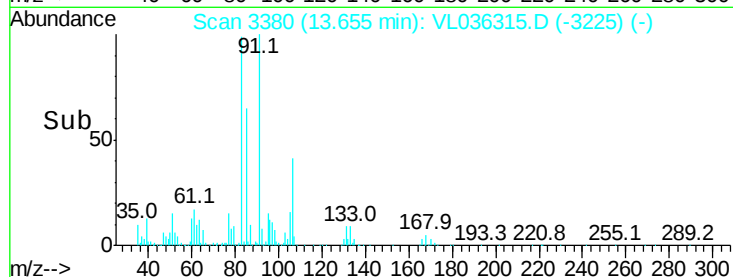
85 68.2 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.061 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. 0.00 min

Lab File: VL036315.D

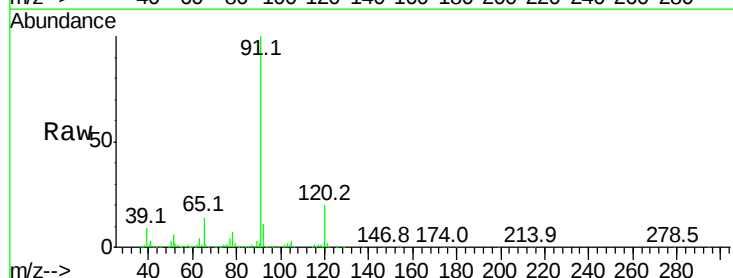
Acq: 10 Feb 2021 12:04

Tgt Ion: 120 Resp: 306796

Ion Ratio Lower Upper

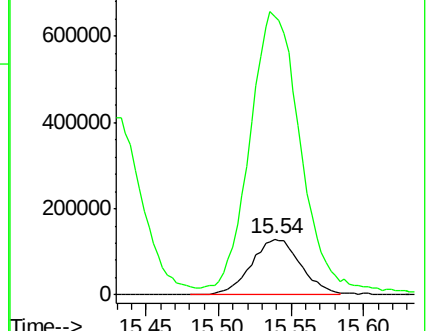
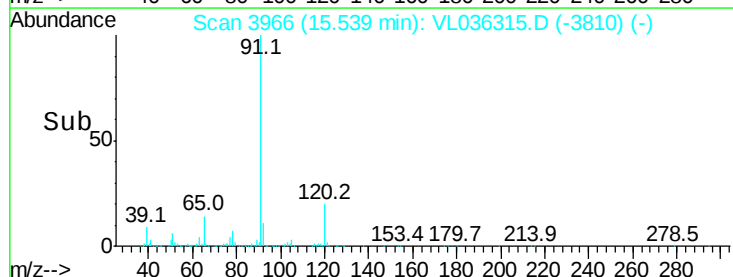
120 100

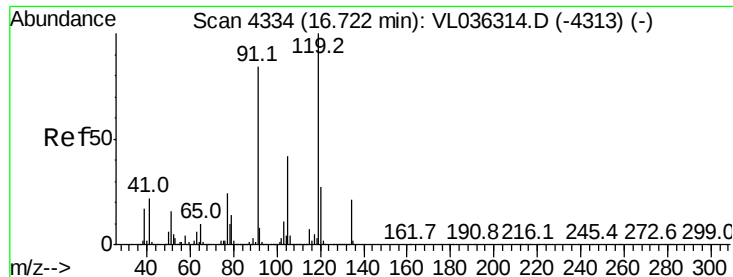
91 533.7 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

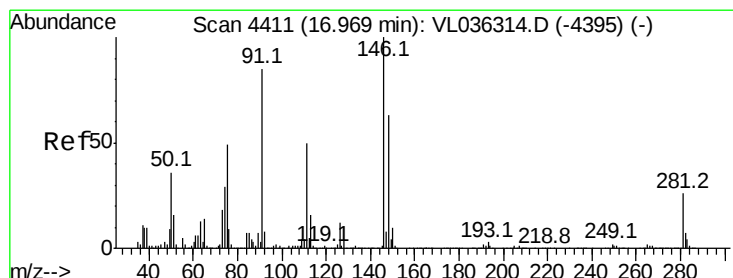
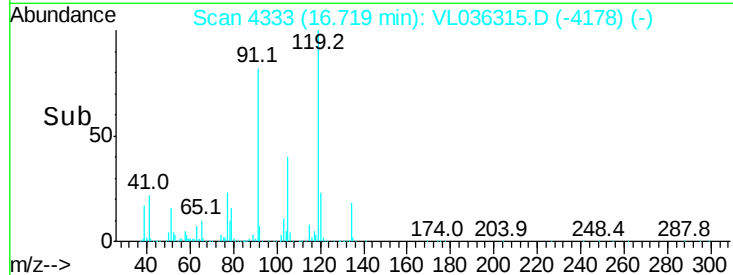
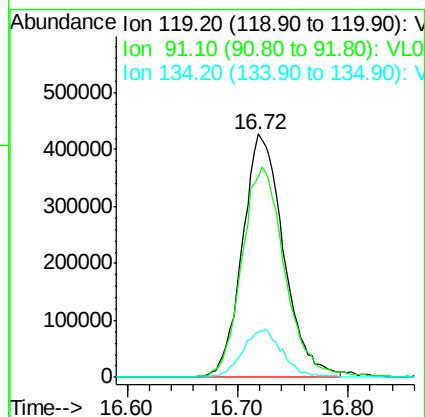
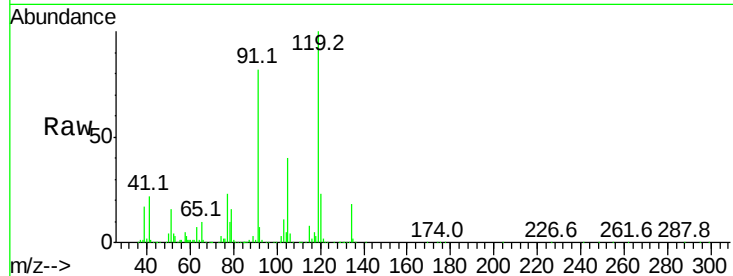




#65
tert-Butylbenzene
Concen: 2.147 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

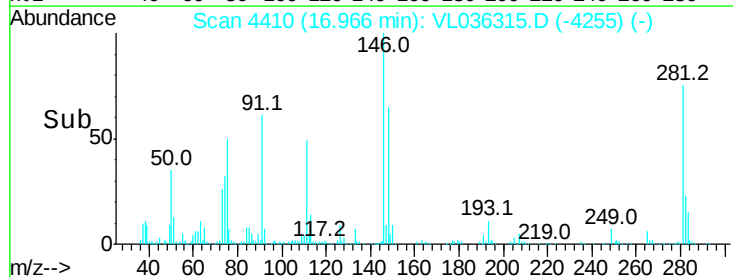
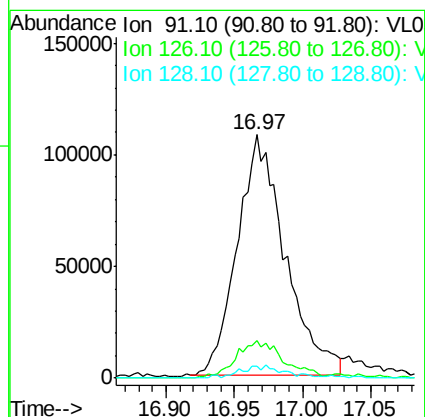
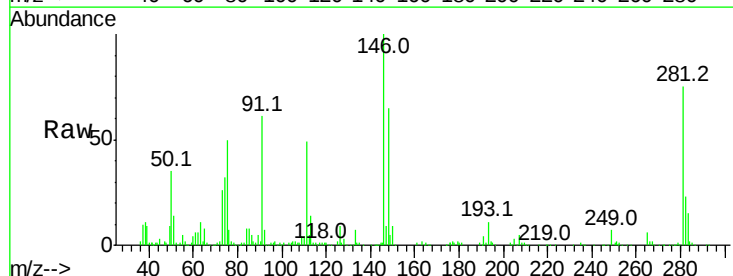
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

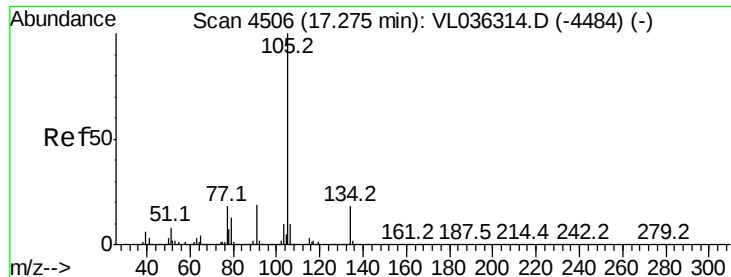
Tgt Ion: 119 Resp: 1102152
Ion Ratio Lower Upper
119 100
91 90.8 70.5 105.7
134 19.1 15.8 23.8



#66
Benzyl Chloride
Concen: 2.005 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion: 91 Resp: 262977
Ion Ratio Lower Upper
91 100
126 16.8 12.9 19.3
128 5.4 4.2 6.2





#67

sec-Butylbenzene

Concen: 2.099 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

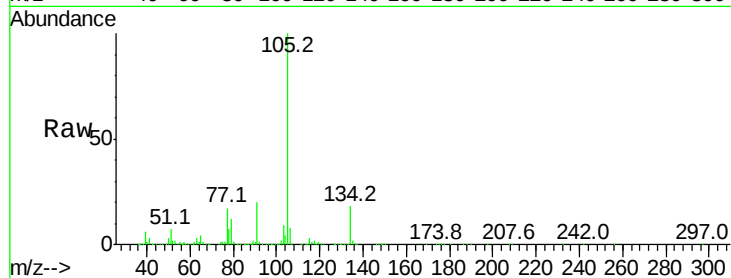
VSTDIC002

Tgt Ion:105 Resp: 1598980

Ion Ratio Lower Upper

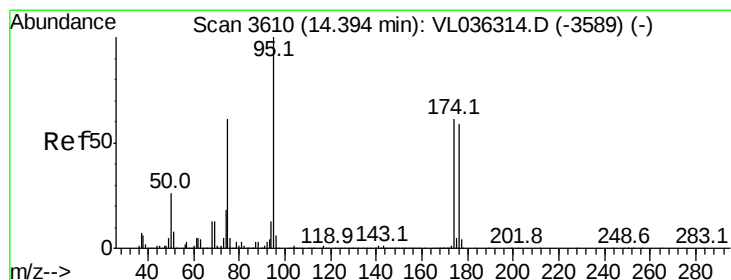
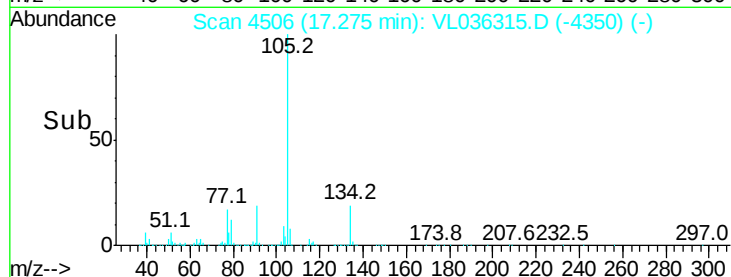
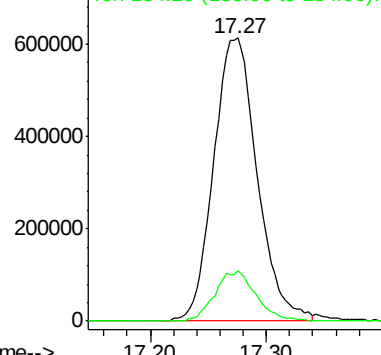
105 100

134 17.0 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: 9.522 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

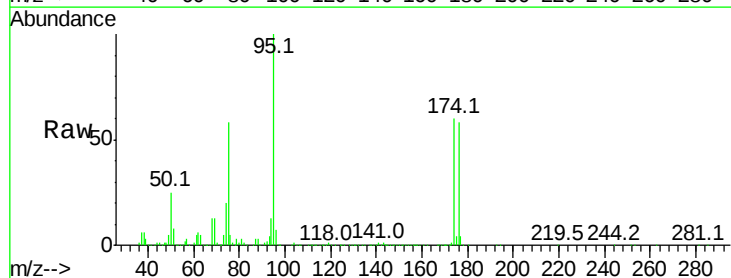
Tgt Ion: 95 Resp: 2612690

Ion Ratio Lower Upper

95 100

174 63.0 49.8 74.6

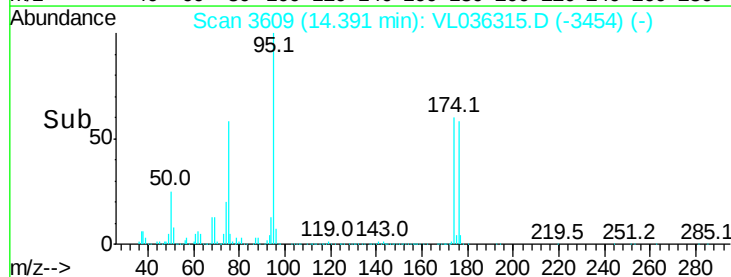
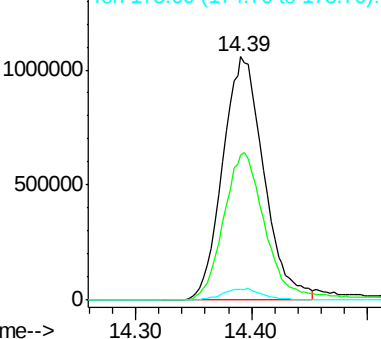
175 4.7 3.7 5.5

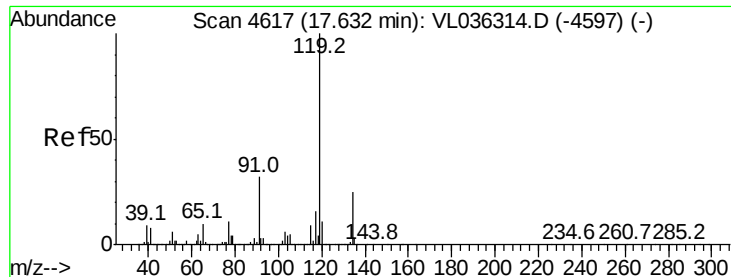


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

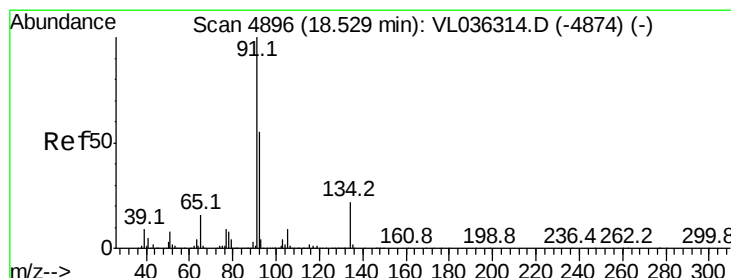
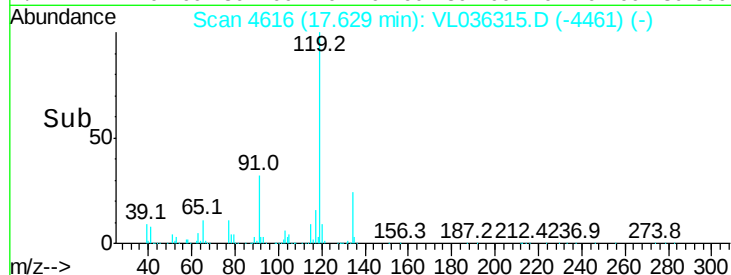
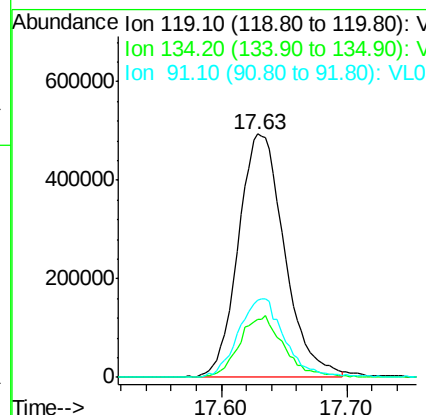
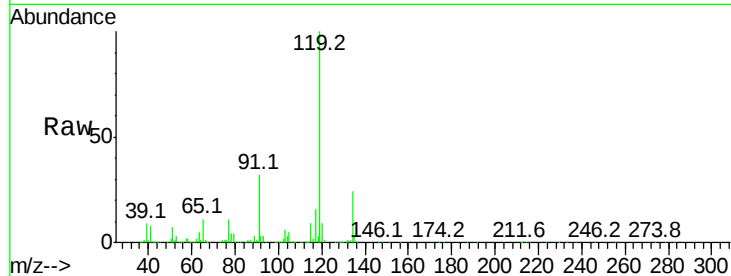




#69
p-Isopropyltoluene
Concen: 2.068 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

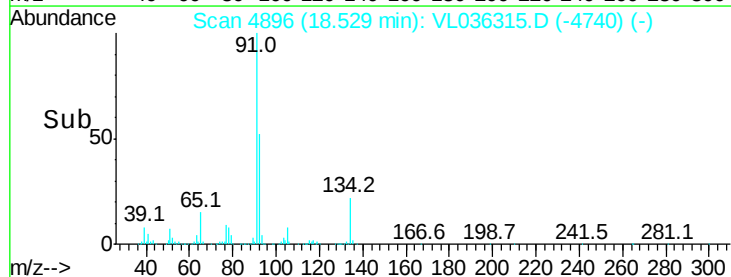
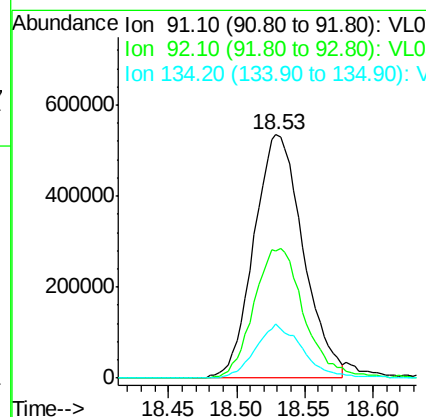
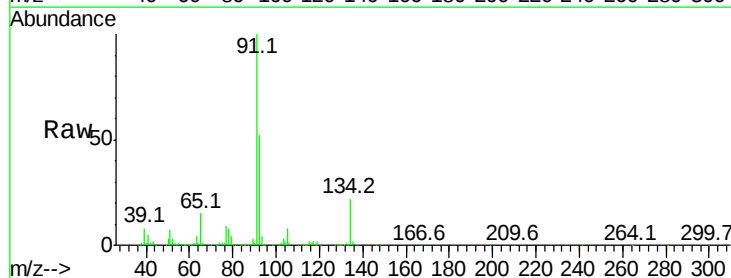
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

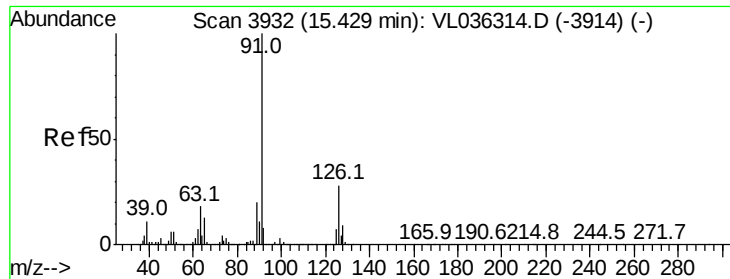
Tgt Ion: 119 Resp: 1249385
Ion Ratio Lower Upper
119 100
134 24.9 20.1 30.1
91 32.8 25.8 38.6



#70
n-Butylbenzene
Concen: 2.081 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. 0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion: 91 Resp: 1339750
Ion Ratio Lower Upper
91 100
92 54.8 43.7 65.5
134 21.6 17.4 26.0

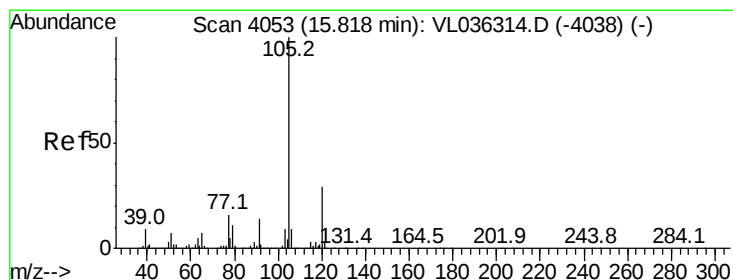
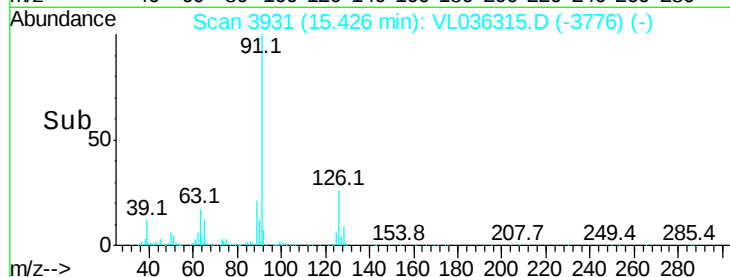
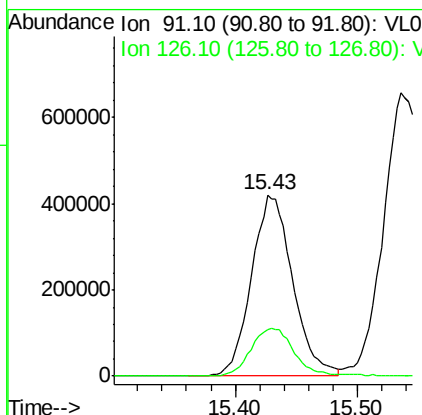
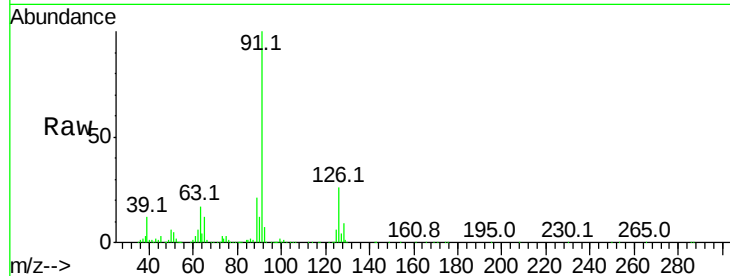




#71
2-Chlorotoluene
Concen: 2.061 ppbv
RT: 15.43 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

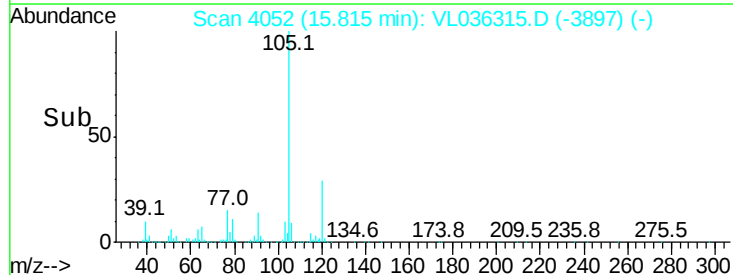
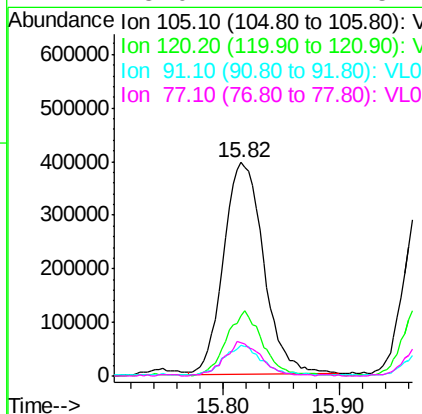
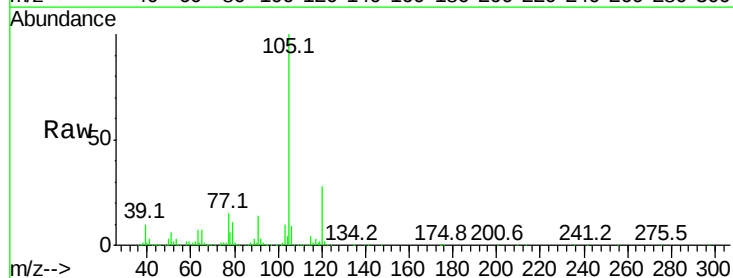
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

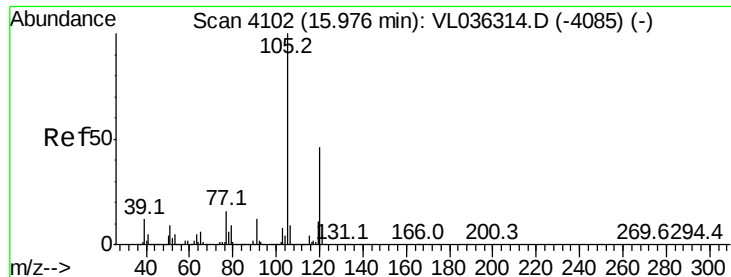
Tgt Ion: 91 Resp: 981296
Ion Ratio Lower Upper
91 100
126 28.4 11.5 46.1



#72
4-Ethyltoluene
Concen: 2.057 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.00 min
Lab File: VL036315.D
Acq: 10 Feb 2021 12:04

Tgt Ion: 105 Resp: 945908
Ion Ratio Lower Upper
105 100
120 28.3 23.2 34.8
91 13.5 11.0 16.4
77 15.0 12.2 18.4

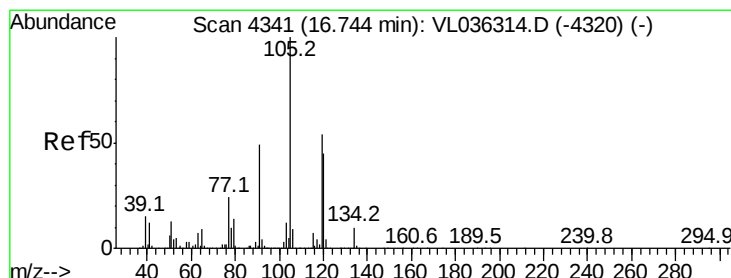
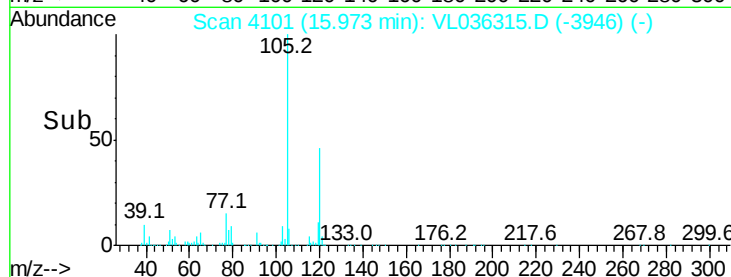
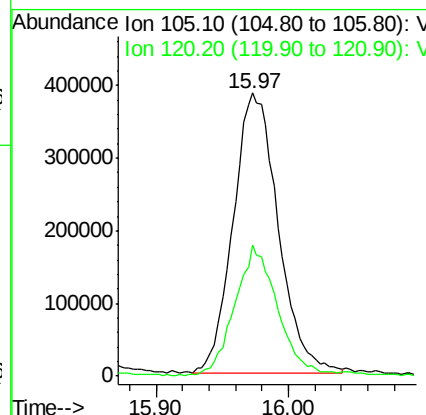
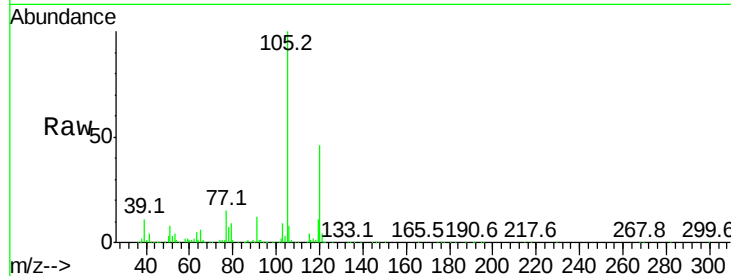




#73
 1,3,5-Trimethylbenzene
 Concen: 2.074 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

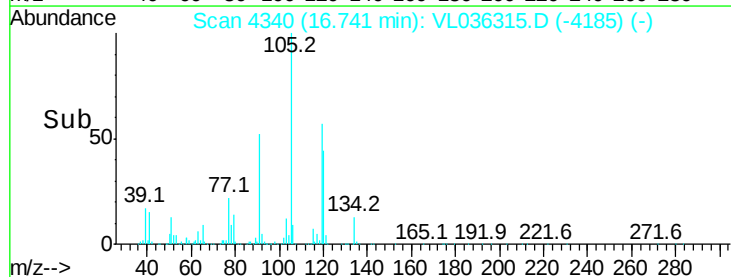
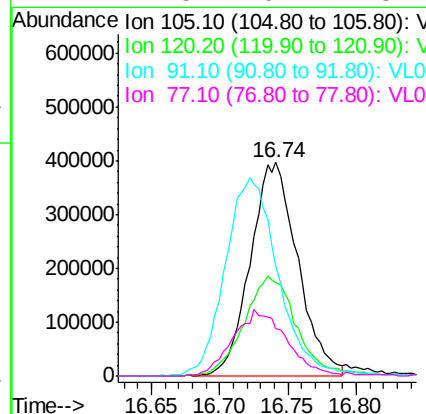
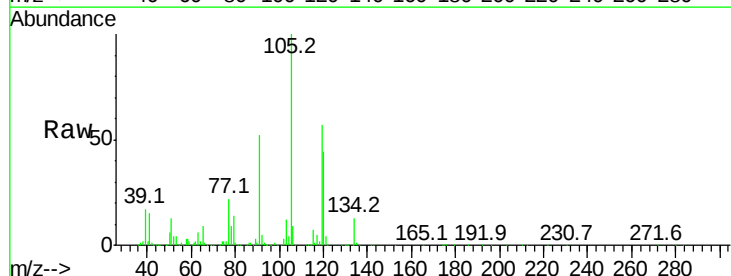
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

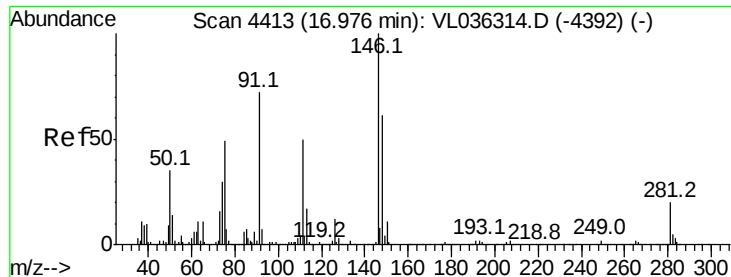
Tgt Ion:105 Resp: 909022
 Ion Ratio Lower Upper
 105 100
 120 46.3 36.9 55.3



#74
 1,2,4-Trimethylbenzene
 Concen: 2.120 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion:105 Resp: 952916
 Ion Ratio Lower Upper
 105 100
 120 42.9 35.8 53.6
 91 49.3 39.8 59.6
 77 21.5 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 2.063 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

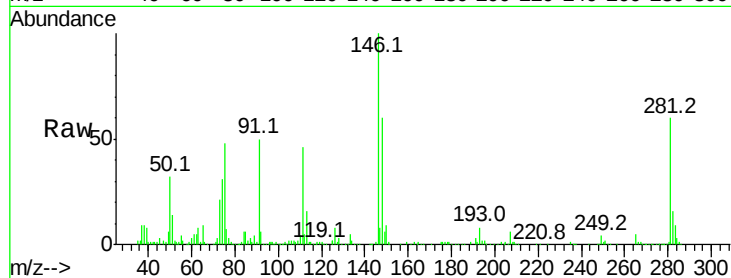
Tgt Ion:146 Resp: 497299

Ion Ratio Lower Upper

146 100

111 50.8 24.9 74.6

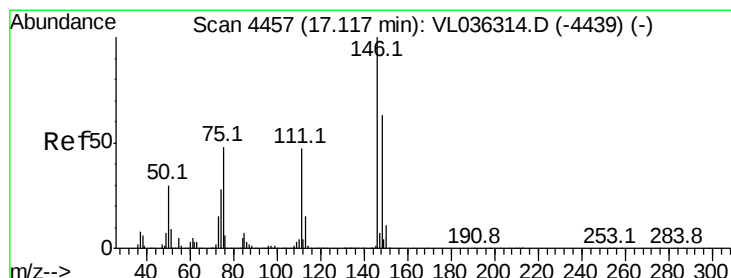
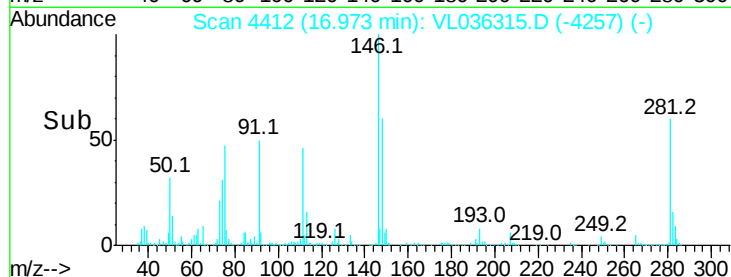
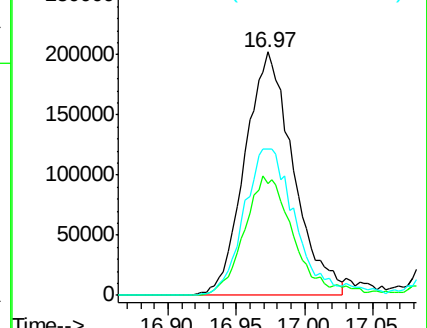
148 64.9 31.9 95.9



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: 1.920 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

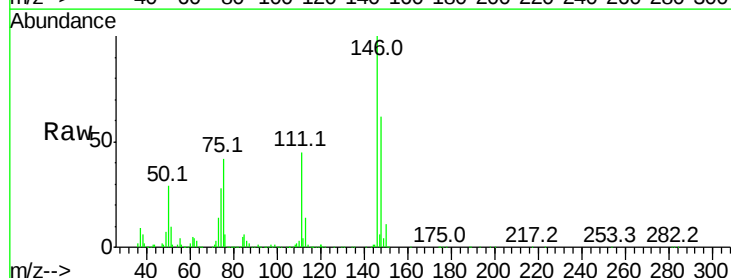
Tgt Ion:146 Resp: 457444

Ion Ratio Lower Upper

146 100

111 52.5 23.6 71.0

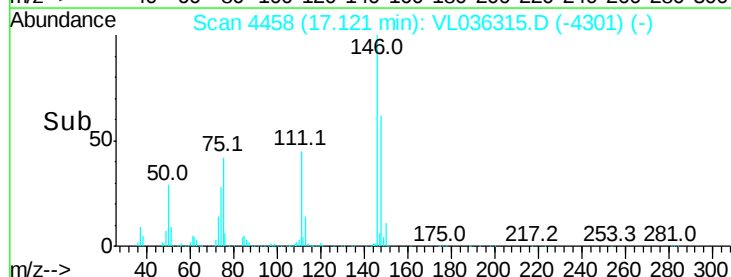
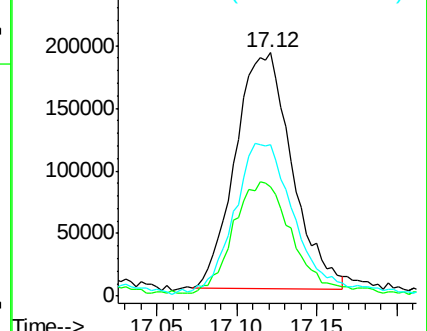
148 71.2 31.6 95.0

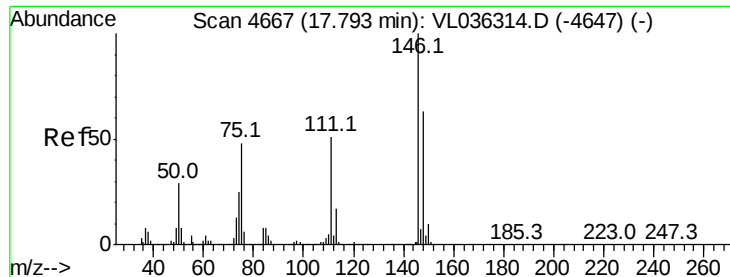


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

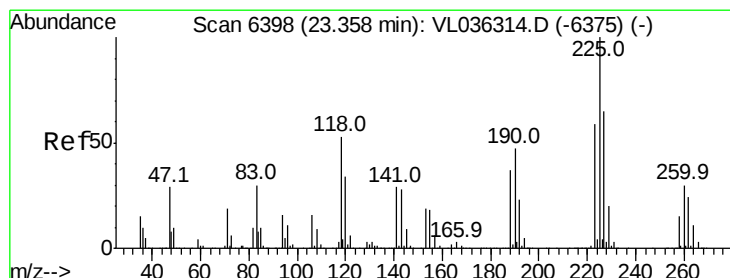
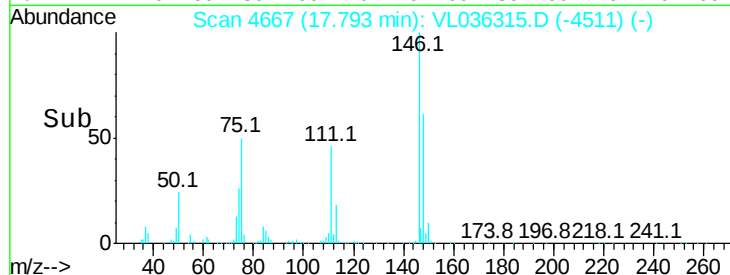
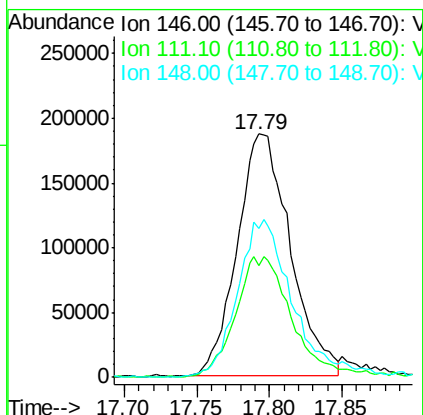
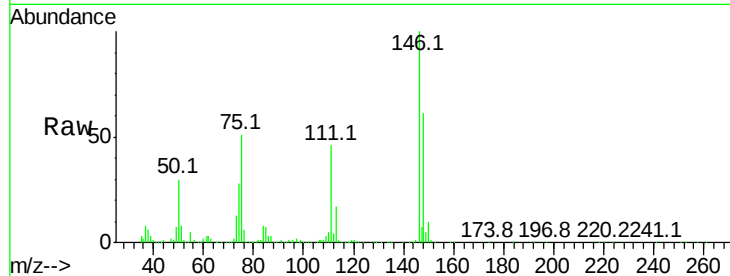




#77
 1,2-Dichlorobenzene
 Concen: 2.032 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. 0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

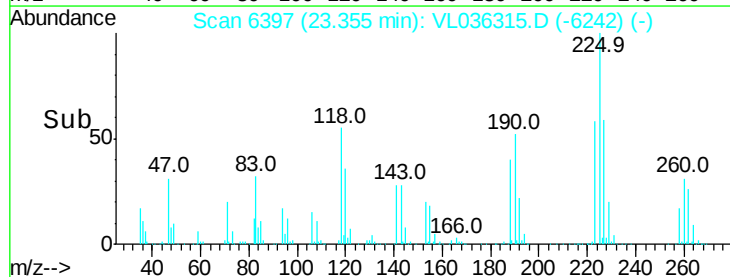
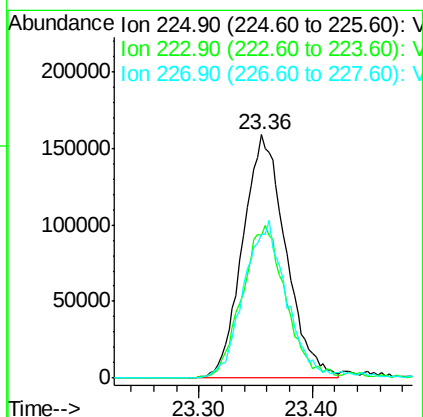
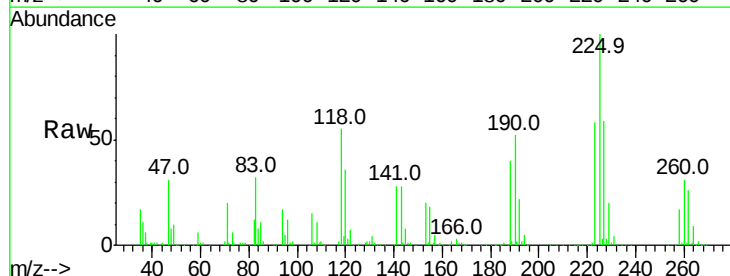
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

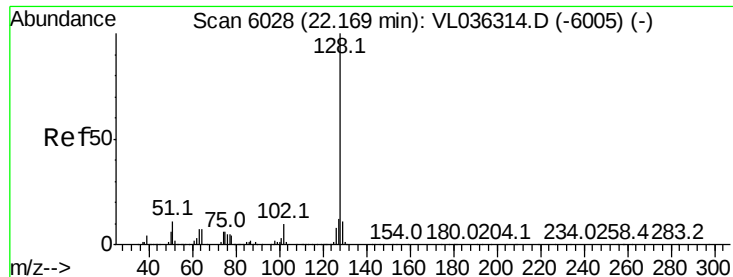
Tgt Ion:146 Resp: 478562
 Ion Ratio Lower Upper
 146 100
 111 53.0 25.9 77.8
 148 67.9 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.235 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.00 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Tgt Ion:225 Resp: 420945
 Ion Ratio Lower Upper
 225 100
 223 64.8 50.8 76.2
 227 65.2 52.2 78.2





#79

Naphthalene

Concen: 1.227 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.00 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

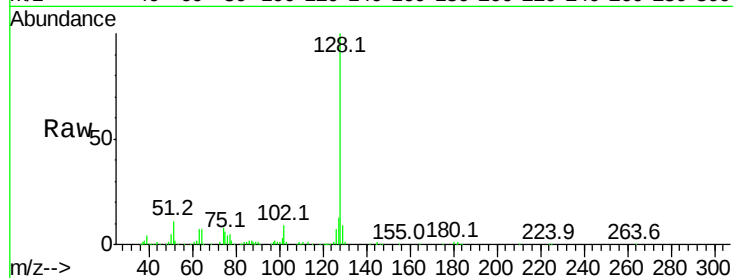
Tgt Ion:128 Resp: 322515

Ion Ratio Lower Upper

128 100

127 12.5 9.6 14.4

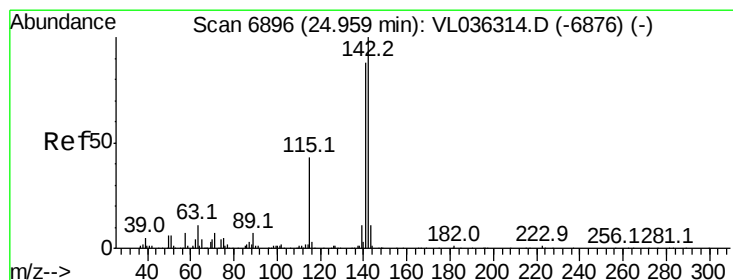
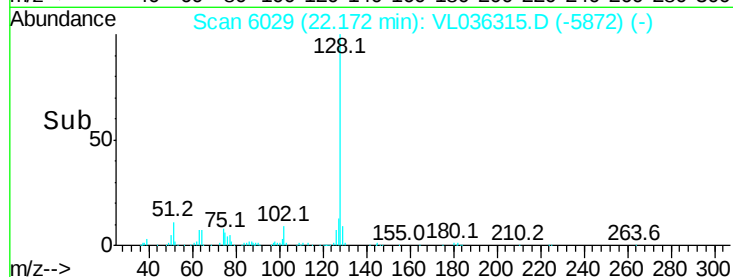
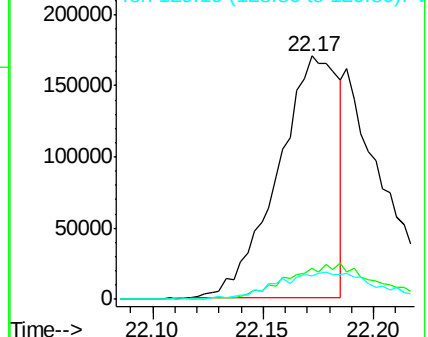
129 9.5 8.5 12.7



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: 1.401 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. 0.01 min

Lab File: VL036315.D

Acq: 10 Feb 2021 12:04

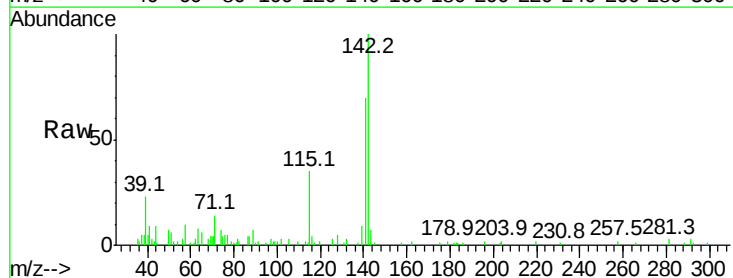
Tgt Ion:142 Resp: 78531

Ion Ratio Lower Upper

142 100

141 87.7 64.4 96.6

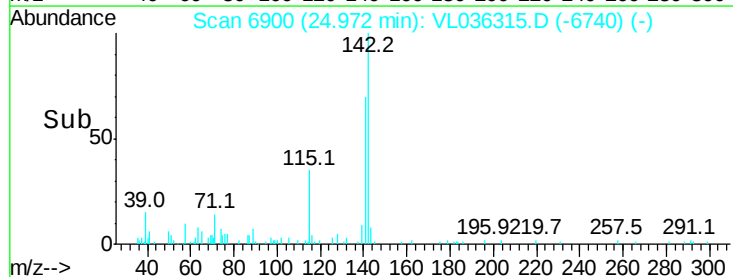
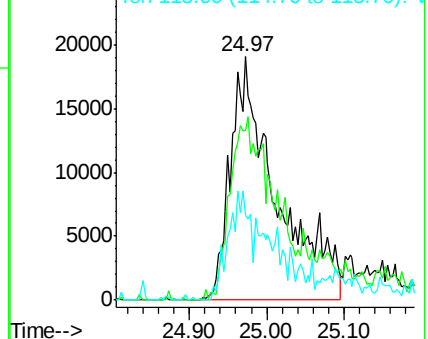
115 37.5 34.6 51.8

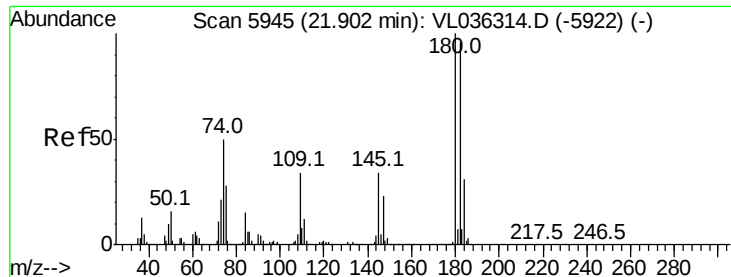


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 1.166 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL036315.D
 Acq: 10 Feb 2021 12:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
180	100		
182	190.1	80.2	120.4#
184	59.9	25.0	37.6#

