

Data File : VL036317.D

Acq On : 10 Feb 2021 13:24

Operator : SY/AP

Sample : VSTDIC0.5

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Quant Time: Feb 10 14:05:43 2021

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

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

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

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1529841	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3444037	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3121658	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2589043	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	146039	0.712	ppbv	94
3) Chlorodifluoromethane	2.97	51	107403	0.572	ppbv	100
4) Chloromethane	3.12	50	39749	0.428	ppbv	100
5) Vinyl Chloride	3.24	62	42250	0.481	ppbv	96
6) Bromomethane	3.46	94	24212	0.493	ppbv	89
7) Chloroethane	3.54	64	12821	0.424	ppbv #	57
8) Dichlorotetrafluoroethane	3.17	85	110880	0.558	ppbv	93
9) Propene	3.29	41	4044	0.045	ppbv	89
10) Heptane	8.10	43	102050	0.460	ppbv	97
11) Trichlorofluoromethane	3.93	101	122350	0.587	ppbv	84
12) 1,1,2-Trichlorotrifluoroet	4.46	101	78347	0.620	ppbv	99
13) Ethanol	3.59	45	1588	0.113	ppbv #	1
14) Bromoethene	3.72	108	31385	0.545	ppbv #	96
15) Acetone	3.84	43	104995	0.560	ppbv #	86
16) 1,3-Butadiene	3.31	39	37680	0.413	ppbv #	77
17) tert-Butyl alcohol	4.29	59	37267	0.241	ppbv #	71
18) 1,1-Dichloroethene	4.27	96	28750	0.491	ppbv	88
19) Isopropyl Alcohol	3.96	45	34110	0.302	ppbv #	50
20) Methylene Chloride	4.32	84	27068	0.453	ppbv	90
21) Allyl Chloride	4.39	41	38700	0.379	ppbv #	78
22) trans-1,2-Dichloroethene	4.86	96	13829	0.255	ppbv	84
23) Vinyl Acetate	5.05	43	89984	0.396	ppbv #	93
24) 1,1-Dichloroethane	4.99	63	78902	0.480	ppbv	99
25) Ethyl Acetate	5.66	43	177298	0.471	ppbv #	96
26) Hexane	5.66	57	74301	0.474	ppbv	90
27) Carbon Disulfide	4.53	76	59164	0.472	ppbv #	80
28) Methyl tert-Butyl Ether	5.02	73	90955	0.429	ppbv	96
29) Chloroform	5.73	83	120812	0.539	ppbv	95
30) Cyclohexane	7.11	84	51561	0.431	ppbv	89
31) cis-1,2-Dichloroethene	5.53	61	40767	0.272	ppbv	93
32) 1,1,1-Trichloroethane	6.49	97	111815	0.516	ppbv	93
34) 2-Butanone	5.23	43	99680	0.393	ppbv	93
35) Carbon Tetrachloride	6.99	117	42216	0.194	ppbv	98
36) Benzene	6.87	78	147327	0.467	ppbv	96
37) 1,2-Dichloroethane	6.28	62	95456	0.503	ppbv	99
38) Trichloroethene	7.81	130	37267	0.319	ppbv	95
39) 1,2-Dichloropropane	7.59	63	59913	0.468	ppbv	94
42) Bromodichloromethane	7.77	83	70744	0.296	ppbv	90
43) Methyl Methacrylate	7.99	69	22989	0.171	ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	284371	0.491	ppbv	98
45) t-1,3-Dichloropropene	9.25	75	46861	0.368	ppbv	97

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Feb 10 14:05:43 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 10 13:51:24 2021
QLast Update : Wed Feb 10 13:51:24 2021
Response via : Initial Calibration

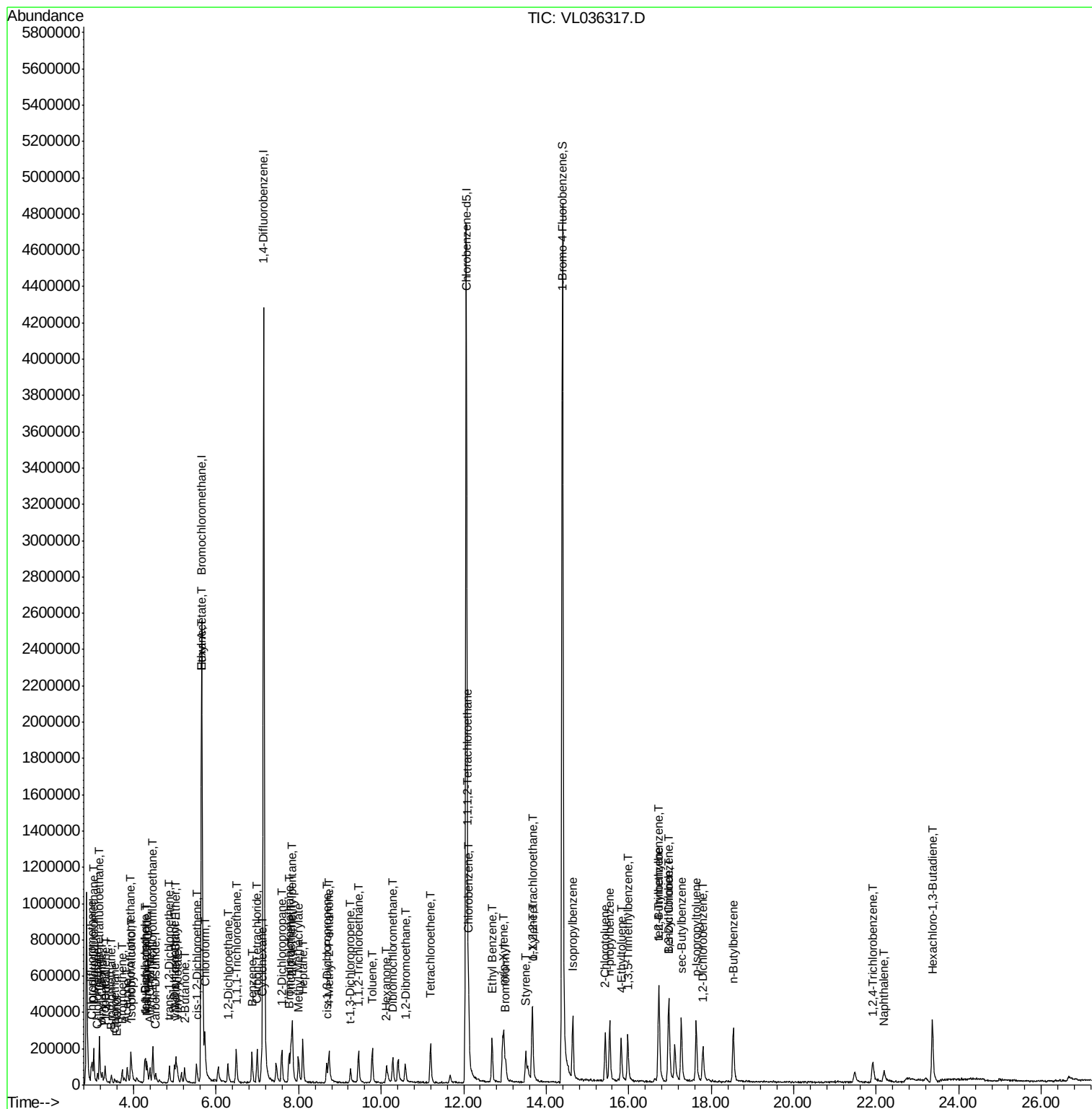
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.68	75	37692	0.230	ppbv	# 66
47) 1,1,2-Trichloroethane	9.45	97	23681	0.193	ppbv	# 81
48) Dibromochloromethane	10.28	129	62241	0.347	ppbv	64
49) Bromoform	13.01	173	18216	0.122	ppbv	# 1
50) 4-Methyl-2-Pentanone	8.74	43	154406	0.408	ppbv	97
51) 2-Hexanone	10.13	43	94529	0.317	ppbv	# 91
52) Tetrachloroethene	11.20	164	21744	0.187	ppbv	95
53) Toluene	9.79	91	148411	0.420	ppbv	99
54) 1,2-Dibromoethane	10.59	107	55889	0.308	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.10	131	78252	0.562	ppbv	# 1
57) Chlorobenzene	12.12	112	138205	0.564	ppbv	99
58) Ethyl Benzene	12.69	91	209557	0.452	ppbv	93
59) m/p-Xylene	12.97	91	142671	0.358	ppbv	# 33
60) o-Xylene	13.67	91	190059	0.495	ppbv	97
61) Styrene	13.51	104	42537	0.176	ppbv	# 25
62) Isopropylbenzene	14.64	105	289629	0.508	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	142036	0.497	ppbv	93
64) n-propylbenzene	15.54	120	67727	0.483	ppbv	76
65) tert-Butylbenzene	16.73	119	237829	0.492	ppbv	92
66) Benzyl Chloride	16.97	91	8502	0.069	ppbv	# 57
67) sec-Butylbenzene	17.27	105	342821	0.478	ppbv	100
69) p-Isopropyltoluene	17.64	119	255646	0.449	ppbv	97
70) n-Butylbenzene	18.54	91	139763	0.230	ppbv	# 38
71) 2-Chlorotoluene	15.43	91	213879	0.477	ppbv	97
72) 4-Ethyltoluene	15.82	105	194787	0.450	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	184191	0.446	ppbv	89
74) 1,2,4-Trimethylbenzene	16.74	105	202878	0.479	ppbv	# 90
75) 1,3-Dichlorobenzene	16.98	146	47491	0.209	ppbv	# 1
77) 1,2-Dichlorobenzene	17.80	146	49734	0.224	ppbv	# 21
78) Hexachloro-1,3-Butadiene	23.36	225	46970	0.265	ppbv	# 9
79) Naphthalene	22.19	128	48025	0.194	ppbv	# 94
81) 1,2,4-Trichlorobenzene	21.91	180	29308	0.203	ppbv	# 1

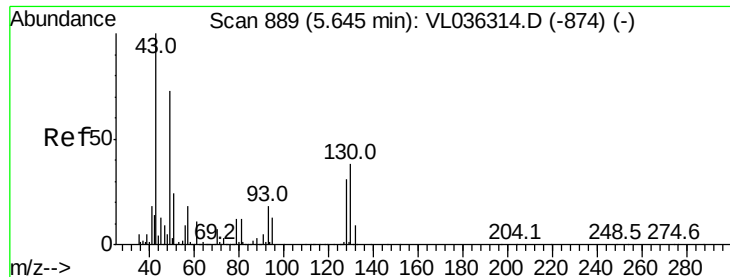
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC0.5

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL036317.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

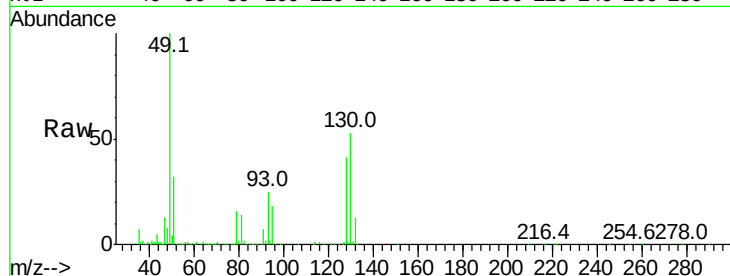
Tgt Ion: 49 Resp: 1529841

Ion Ratio Lower Upper

49 100

128 41.6 20.8 62.5

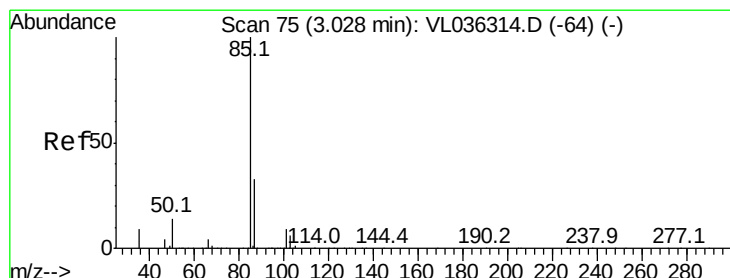
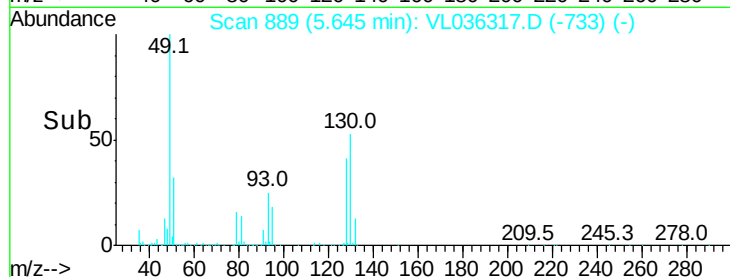
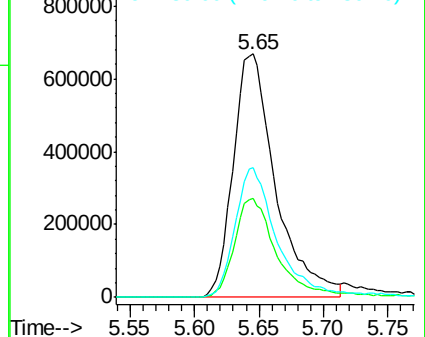
130 55.1 26.7 80.1



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: 0.712 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036317.D

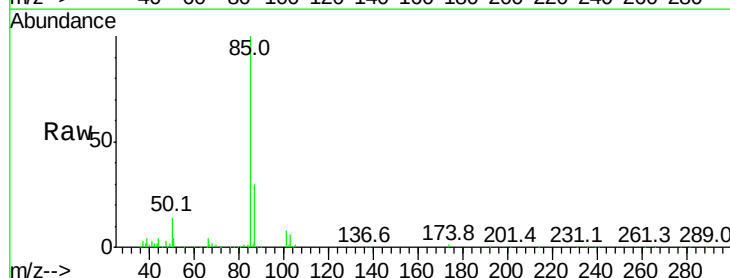
Acq: 10 Feb 2021 13:24

Tgt Ion: 85 Resp: 146039

Ion Ratio Lower Upper

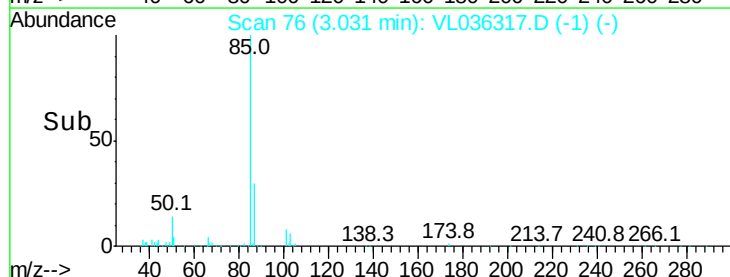
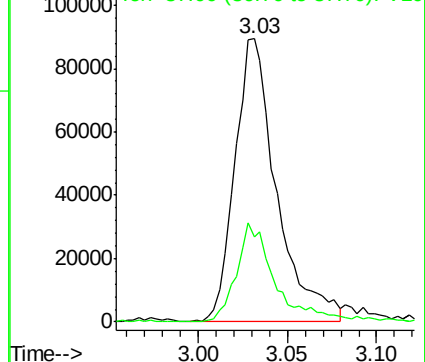
85 100

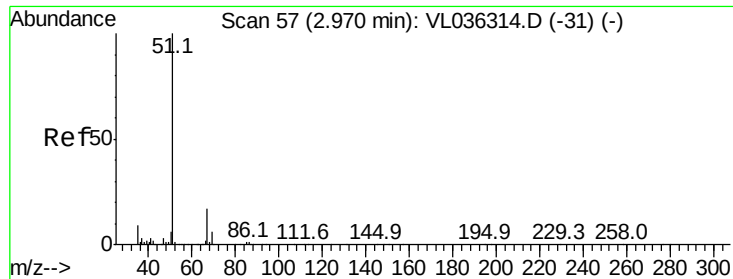
87 29.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.572 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

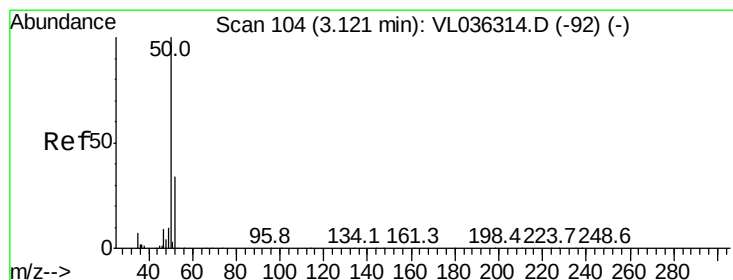
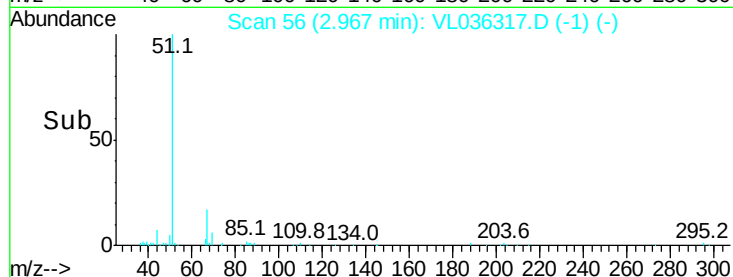
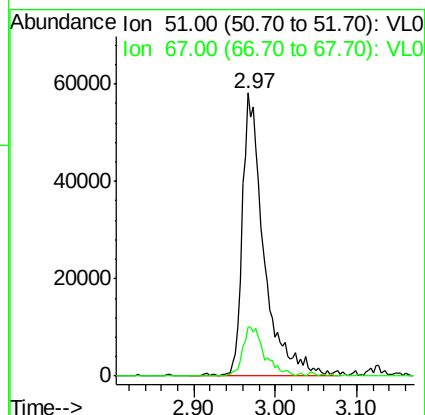
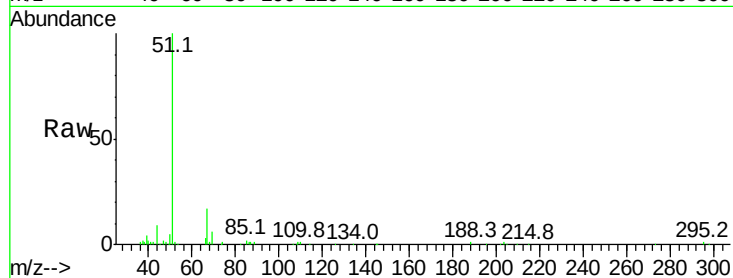
VSTDIC0.5

Tgt Ion: 51 Resp: 107403

Ion Ratio Lower Upper

51 100

67 18.6 14.7 22.1



#4

Chloromethane

Concen: 0.428 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL036317.D

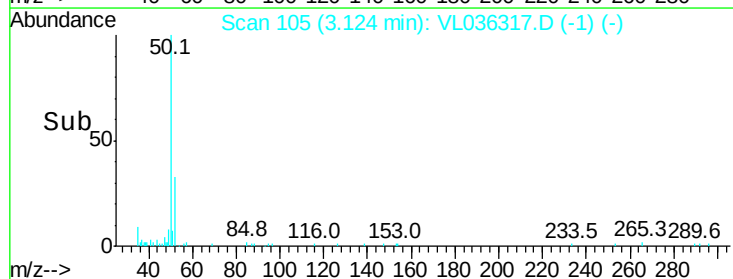
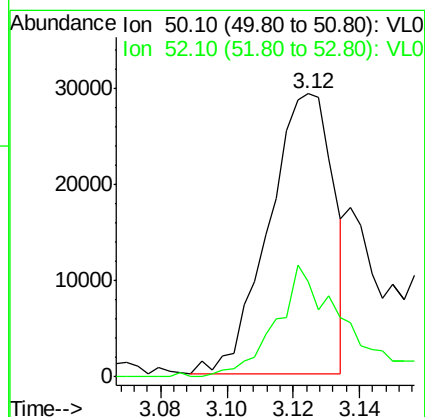
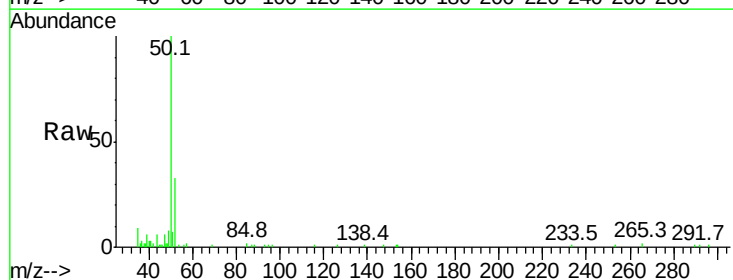
Acq: 10 Feb 2021 13:24

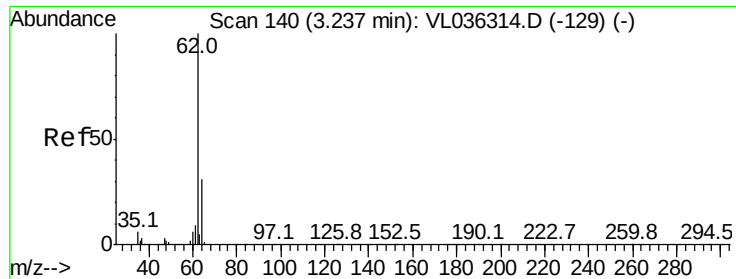
Tgt Ion: 50 Resp: 39749

Ion Ratio Lower Upper

50 100

52 33.8 27.0 40.4





#5

Vinyl Chloride

Concen: 0.481 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

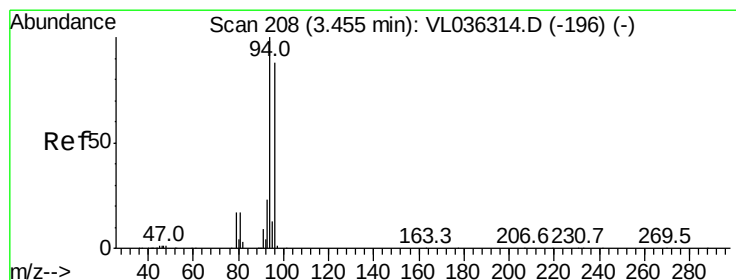
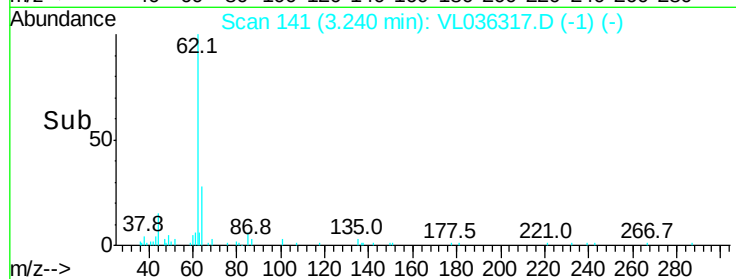
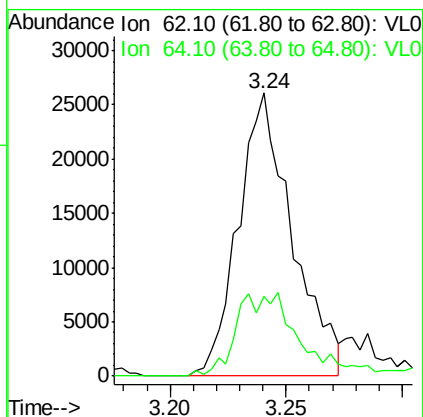
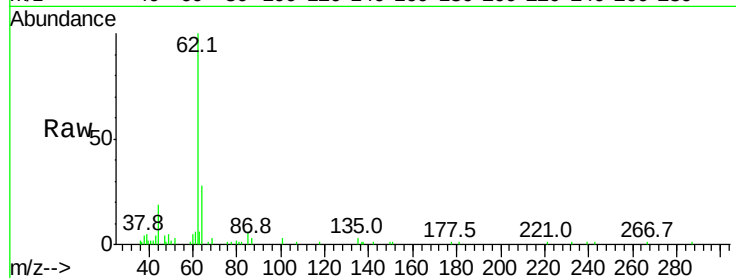
VSTDIC0.5

Tgt Ion: 62 Resp: 42250

Ion Ratio Lower Upper

62 100

64 28.3 24.4 36.6



#6

Bromomethane

Concen: 0.493 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.01 min

Lab File: VL036317.D

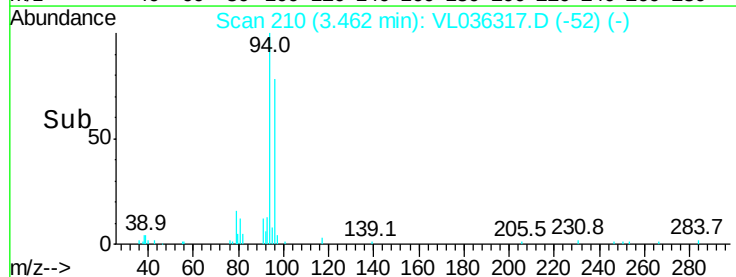
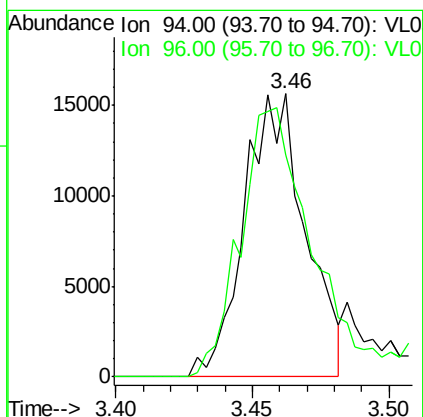
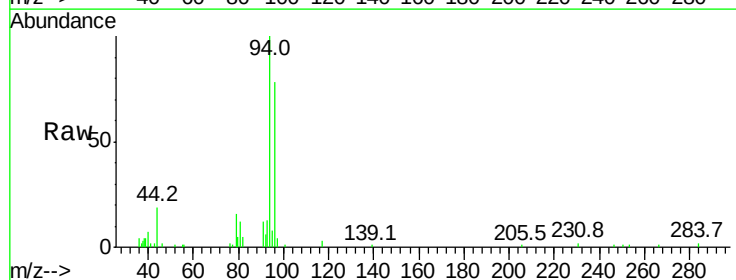
Acq: 10 Feb 2021 13:24

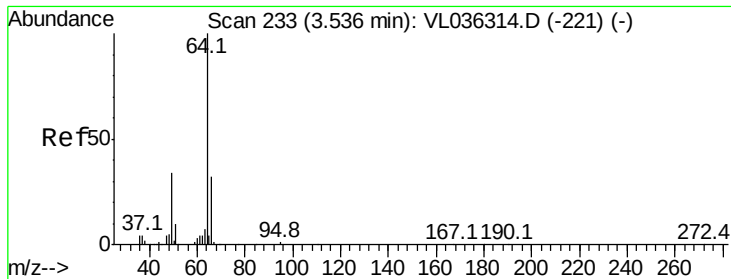
Tgt Ion: 94 Resp: 24212

Ion Ratio Lower Upper

94 100

96 78.2 70.8 106.2





#7

Chloroethane

Concen: 0.424 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

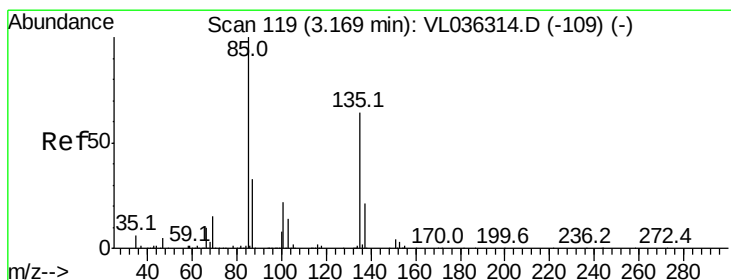
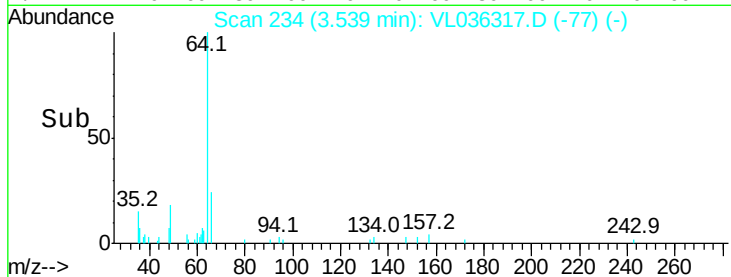
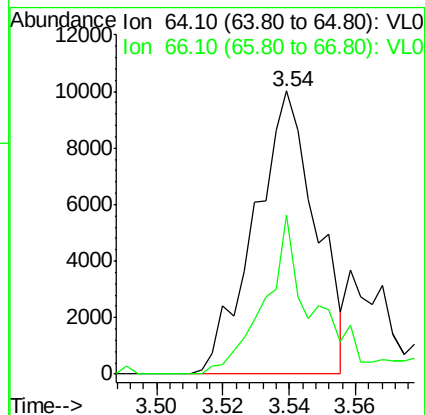
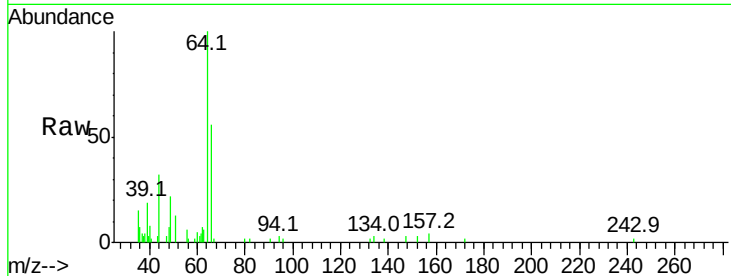
VSTDIC0.5

Tgt Ion: 64 Resp: 12821

Ion Ratio Lower Upper

64 100

66 56.1 25.6 38.4#



#8

Dichlorotetrafluoroethane

Concen: 0.558 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL036317.D

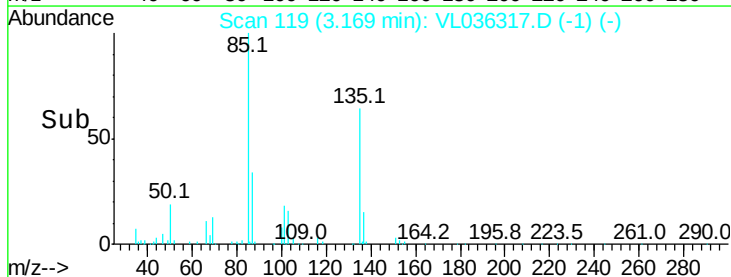
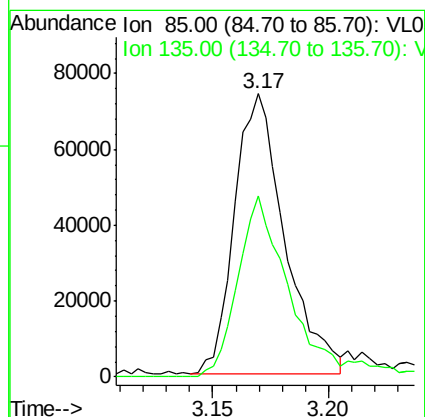
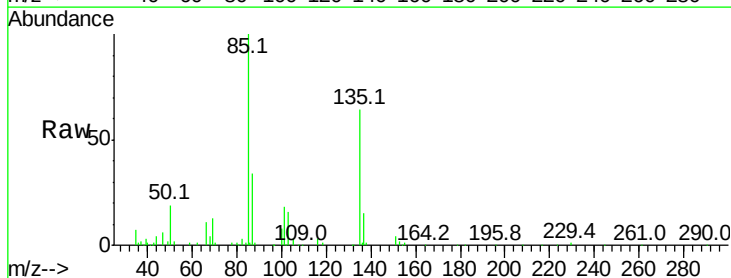
Acq: 10 Feb 2021 13:24

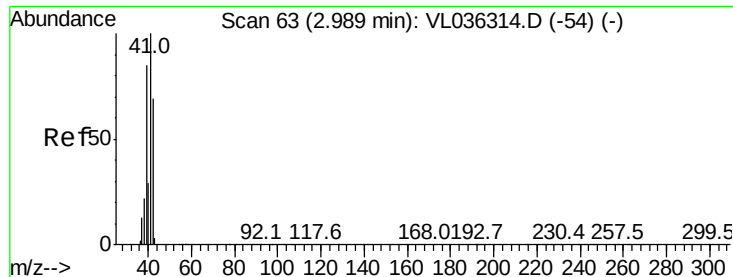
Tgt Ion: 85 Resp: 110880

Ion Ratio Lower Upper

85 100

135 69.6 51.1 76.7





#9

Propene

Concen: 0.045 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.30 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

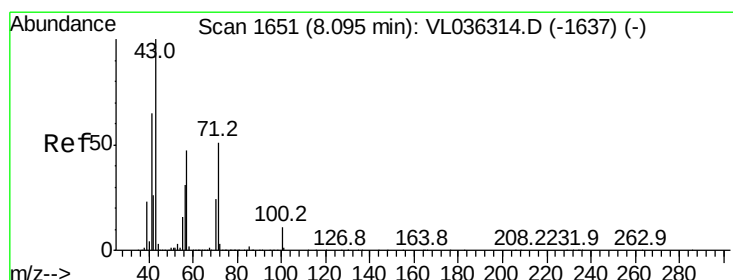
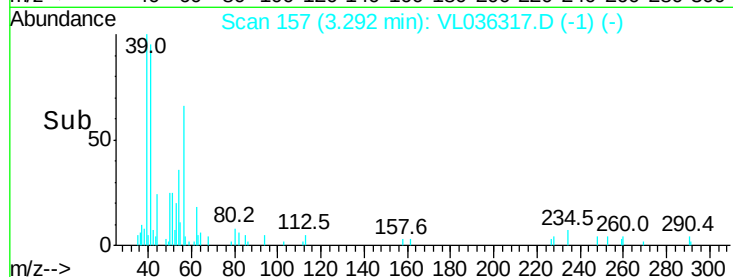
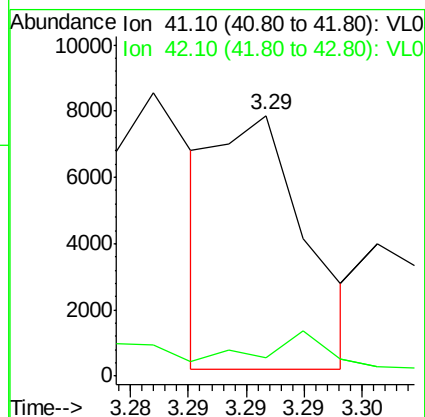
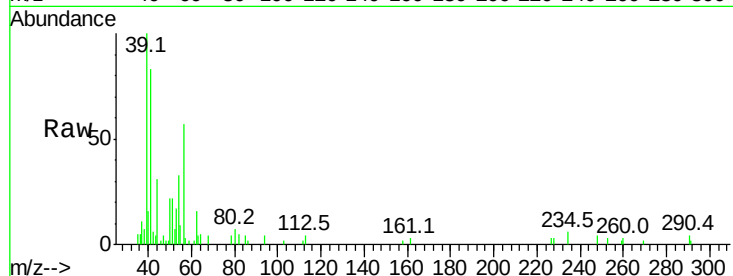
VSTDIC0.5

Tgt Ion: 41 Resp: 4044

Ion Ratio Lower Upper

41 100

42 61.4 56.2 84.2



#10

Heptane

Concen: 0.460 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VL036317.D

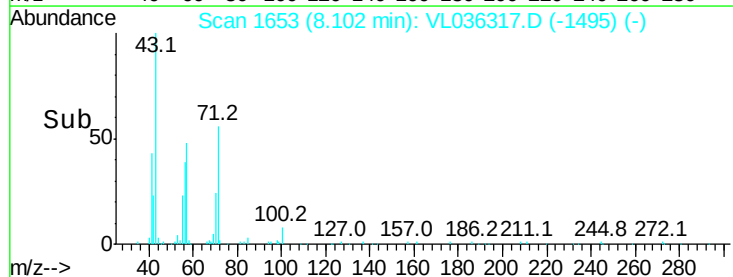
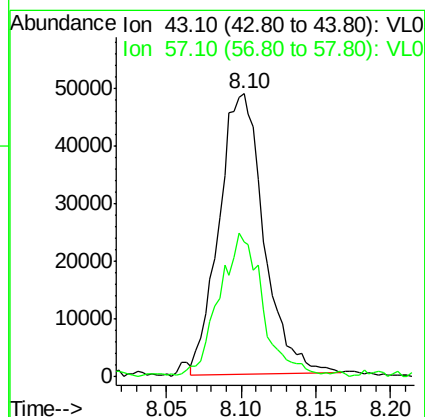
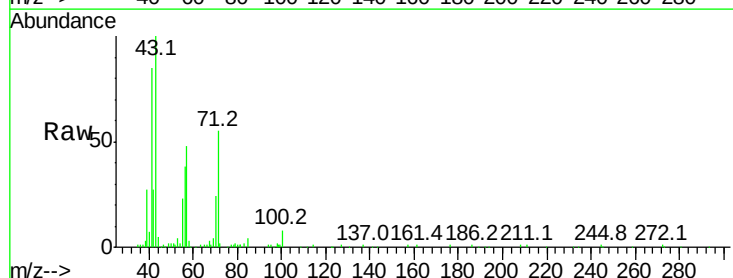
Acq: 10 Feb 2021 13:24

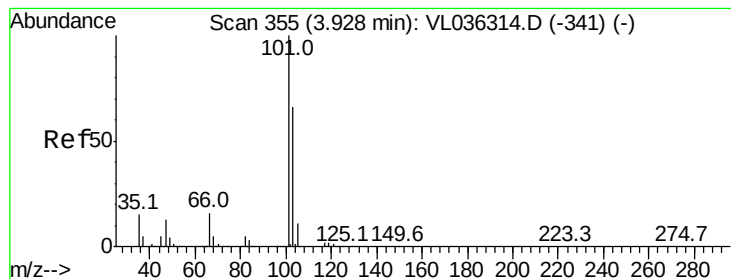
Tgt Ion: 43 Resp: 102050

Ion Ratio Lower Upper

43 100

57 51.2 39.4 59.2





#11

Trichlorofluoromethane

Concen: 0.587 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

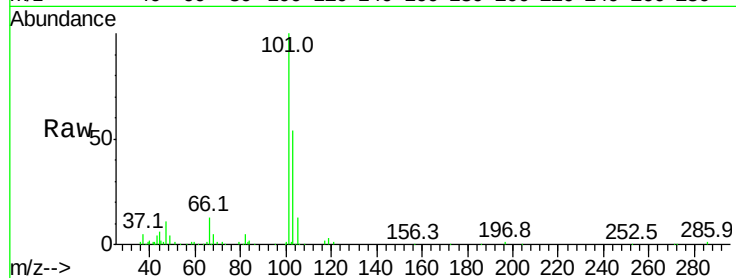
VSTDIC0.5

Tgt Ion:101 Resp: 122350

Ion Ratio Lower Upper

101 100

103 53.0 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.93

80000

60000

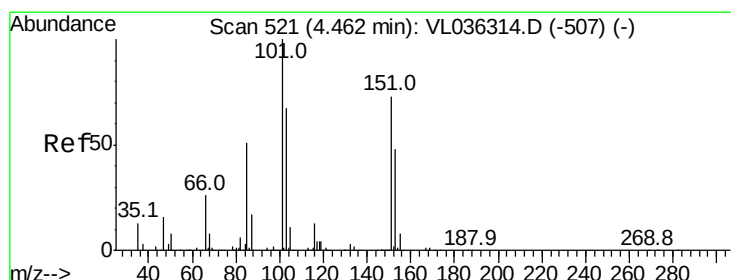
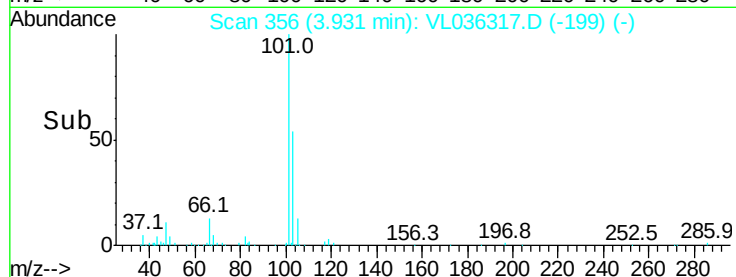
40000

20000

0

Time-->

3.90 3.95



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.620 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL036317.D

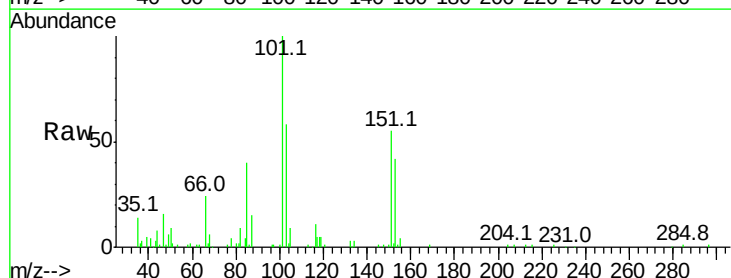
Acq: 10 Feb 2021 13:24

Tgt Ion:101 Resp: 78347

Ion Ratio Lower Upper

101 100

151 71.9 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.46

50000

40000

30000

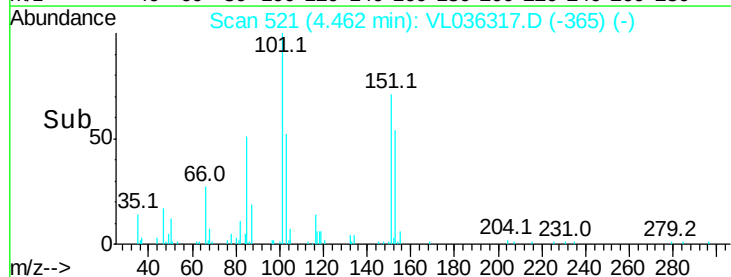
20000

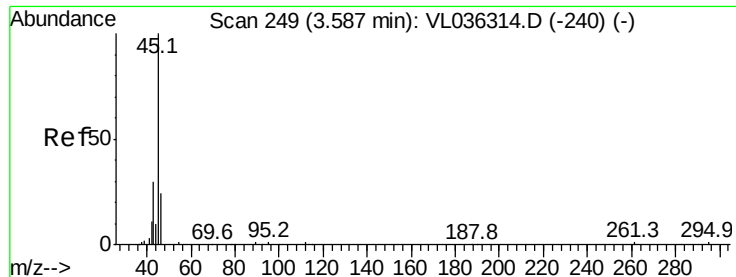
10000

0

Time-->

4.40 4.45 4.50





#13

Ethanol

Concen: 0.113 ppbv

RT: 3.59 min Scan# 249

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

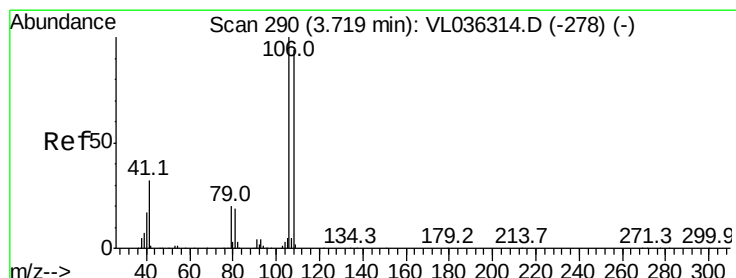
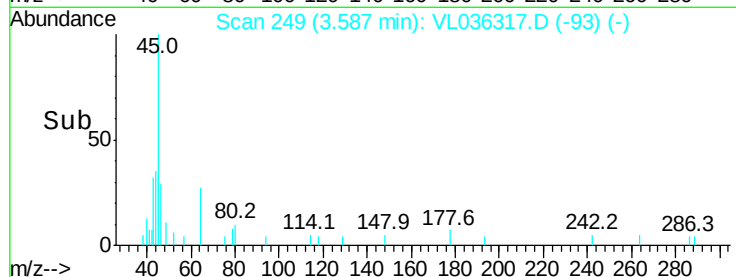
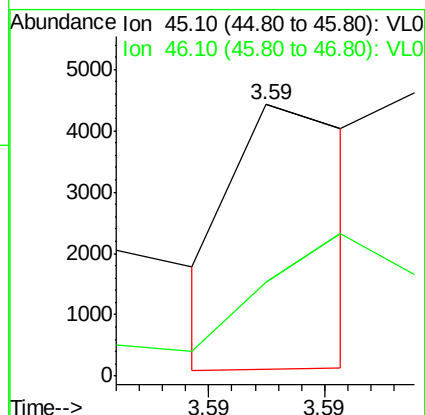
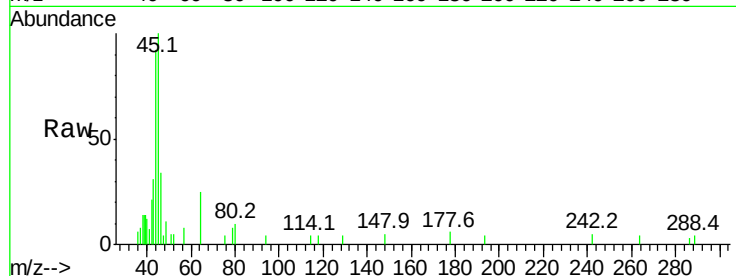
VSTDIC0.5

Tgt Ion: 45 Resp: 1588

Ion Ratio Lower Upper

45 100

46 359.0 17.7 70.7#



#14

Bromoethene

Concen: 0.545 ppbv

RT: 3.72 min Scan# 291

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

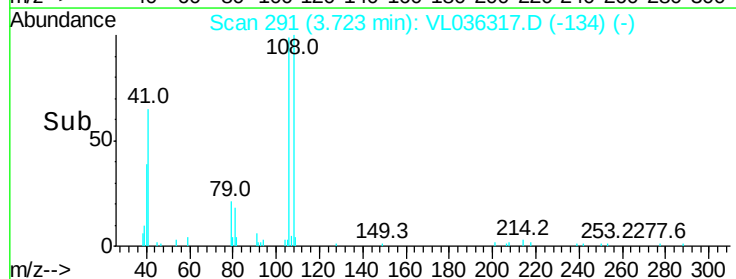
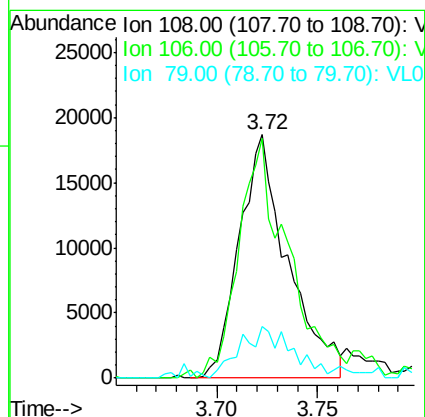
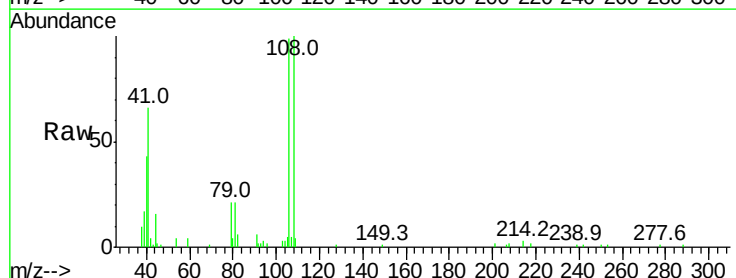
Tgt Ion: 108 Resp: 31385

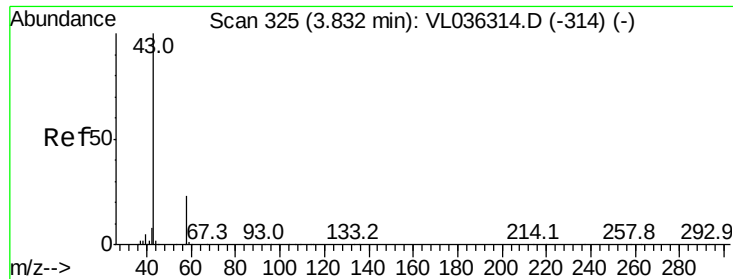
Ion Ratio Lower Upper

108 100

106 110.0 89.8 134.8

79 26.8 17.1 25.7#





#15

Acetone

Concen: 0.560 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

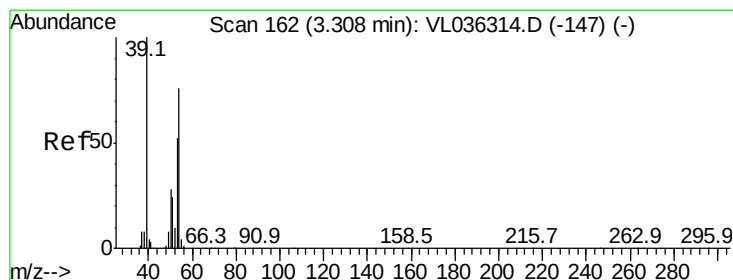
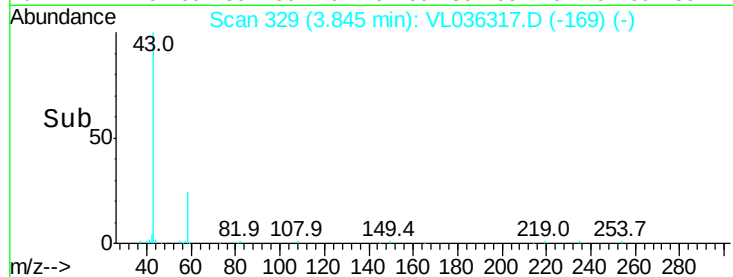
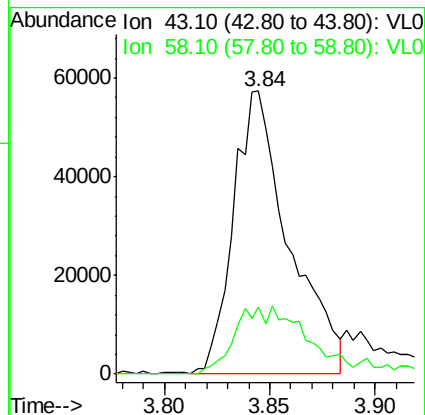
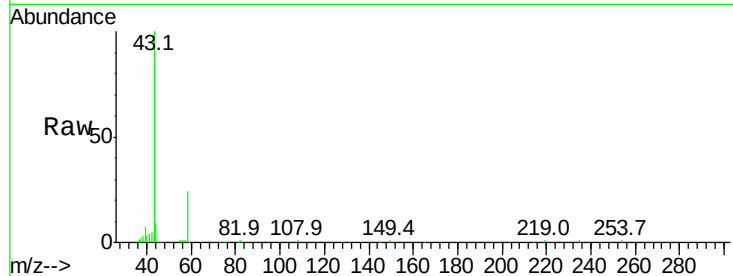
VSTDIC0.5

Tgt Ion: 43 Resp: 104995

Ion Ratio Lower Upper

43 100

58 32.3 20.3 30.5#



#16

1,3-Butadiene

Concen: 0.413 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.00 min

Lab File: VL036317.D

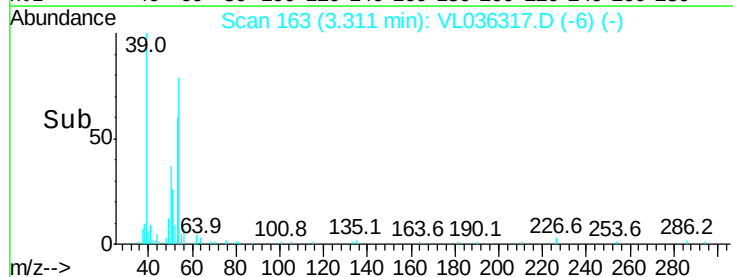
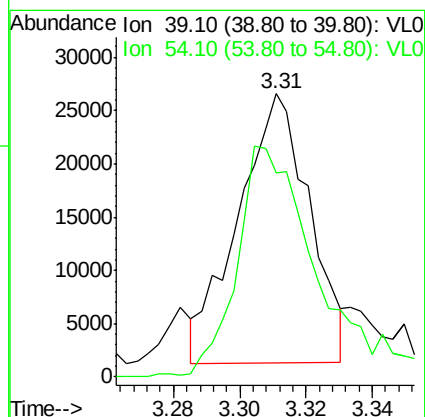
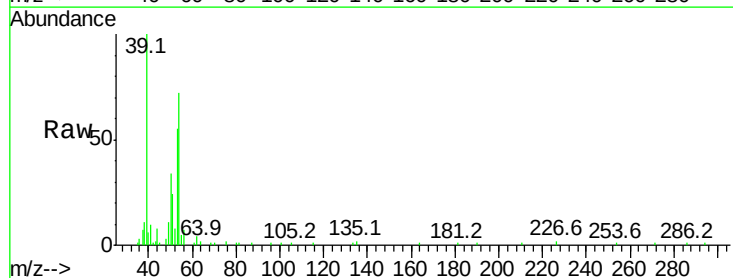
Acq: 10 Feb 2021 13:24

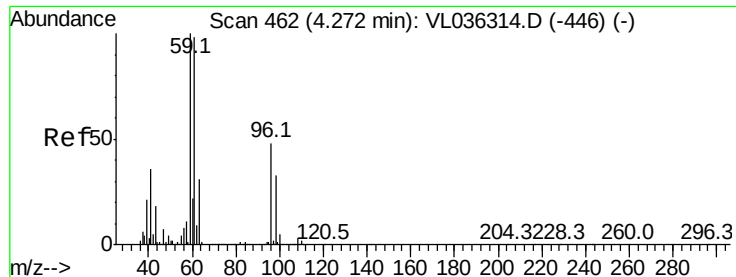
Tgt Ion: 39 Resp: 37680

Ion Ratio Lower Upper

39 100

54 100.5 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.241 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

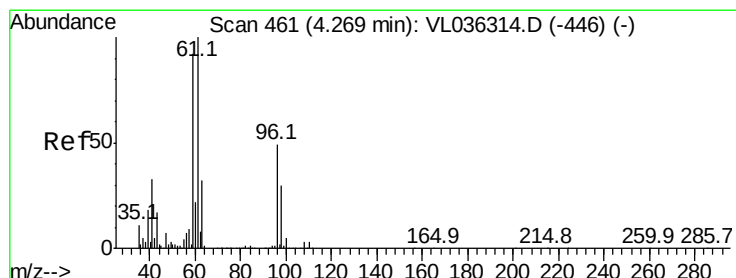
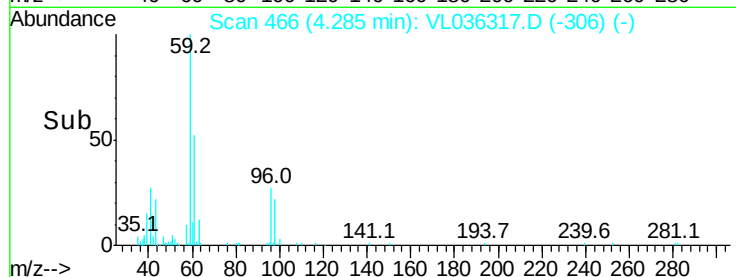
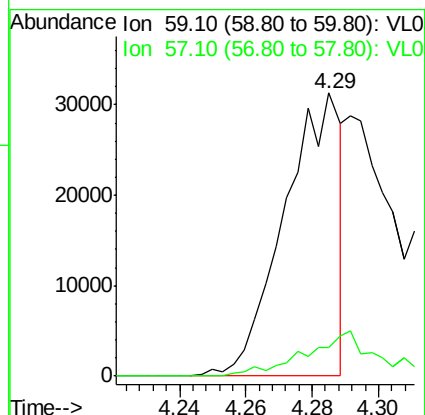
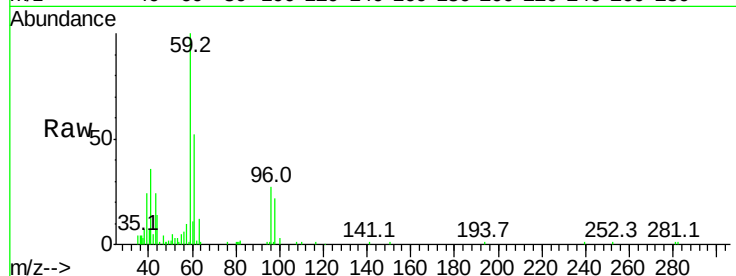
VSTDIC0.5

Tgt Ion: 59 Resp: 37267

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 0.491 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

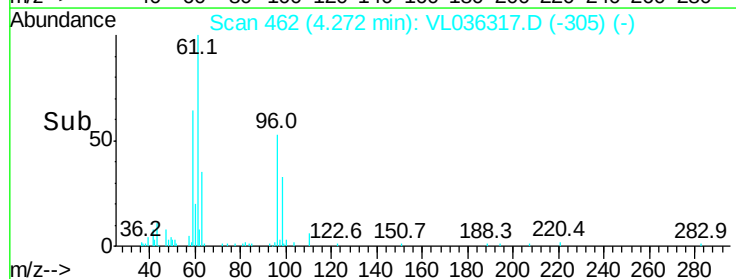
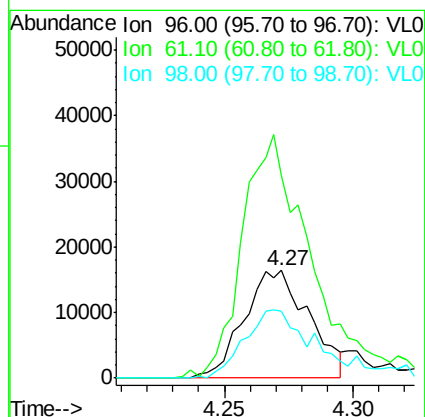
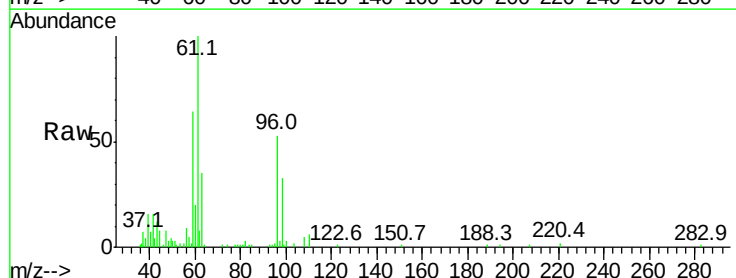
Tgt Ion: 96 Resp: 28750

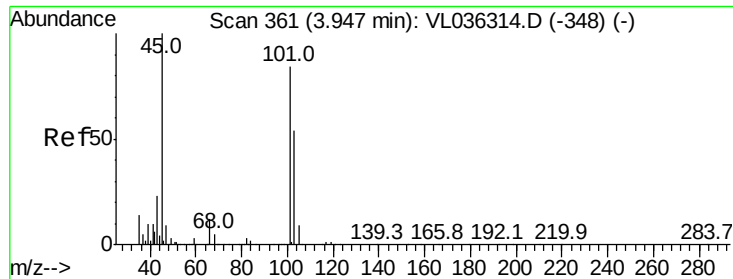
Ion Ratio Lower Upper

96 100

61 180.0 162.5 243.7

98 62.4 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.302 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

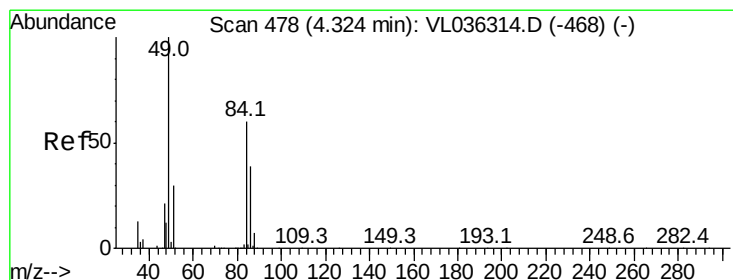
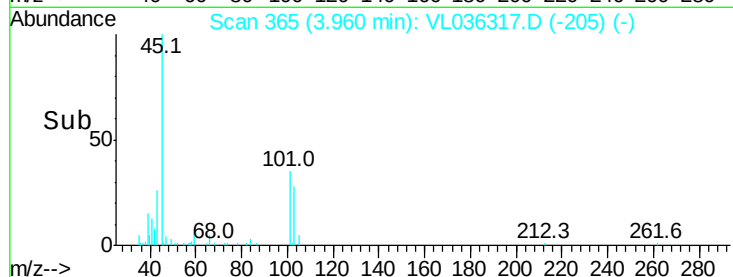
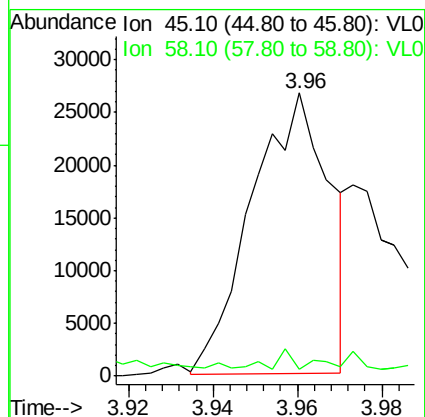
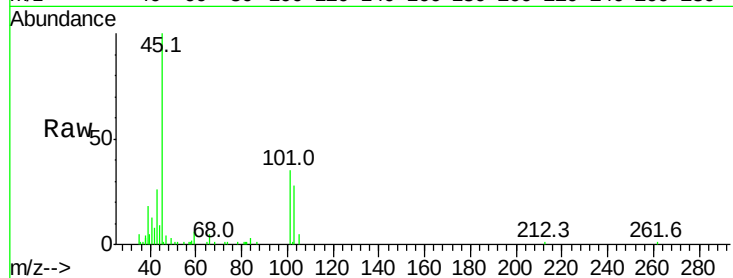
VSTDIC0.5

Tgt Ion: 45 Resp: 34110

Ion Ratio Lower Upper

45 100

58 19.4 1.9 2.9#



#20

Methylene Chloride

Concen: 0.453 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Tgt Ion: 84 Resp: 27068

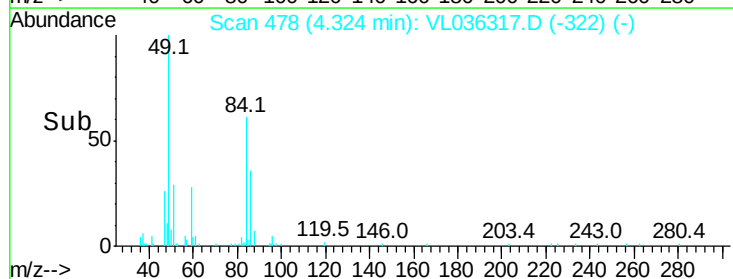
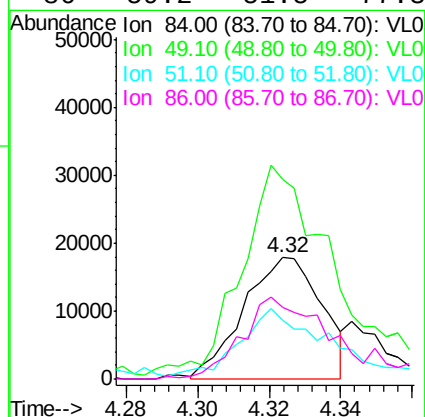
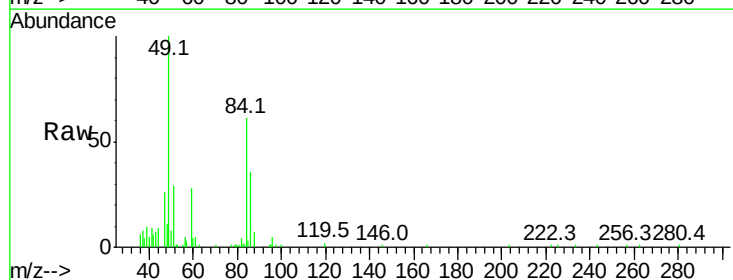
Ion Ratio Lower Upper

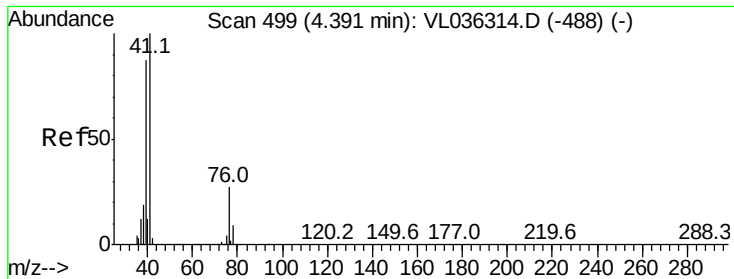
84 100

49 152.7 133.8 200.8

51 43.1 41.4 62.0

86 59.2 51.5 77.3





#21

Allyl Chloride

Concen: 0.379 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

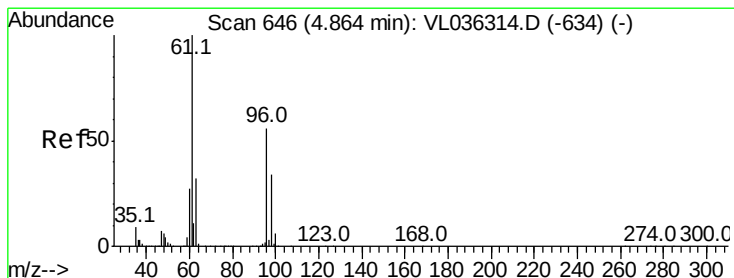
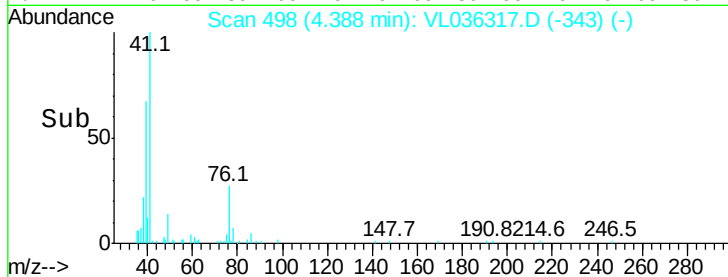
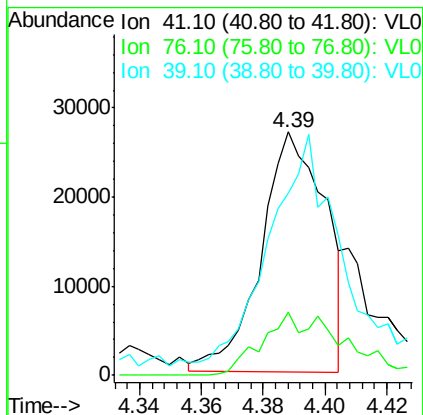
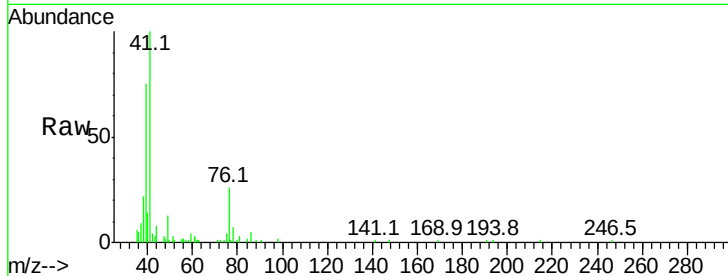
MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 41 Resp: 38700

Ion	Ratio	Lower	Upper
41	100		
76	33.7	22.0	33.0#
39	110.8	70.2	105.2#



#22

trans-1,2-Dichloroethene

Concen: 0.255 ppbv

RT: 4.86 min Scan# 645

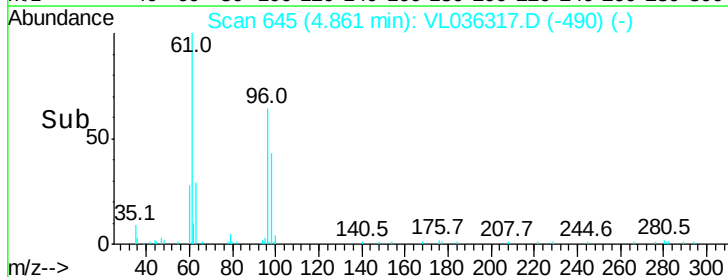
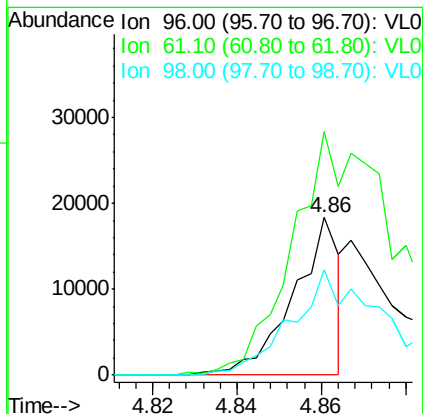
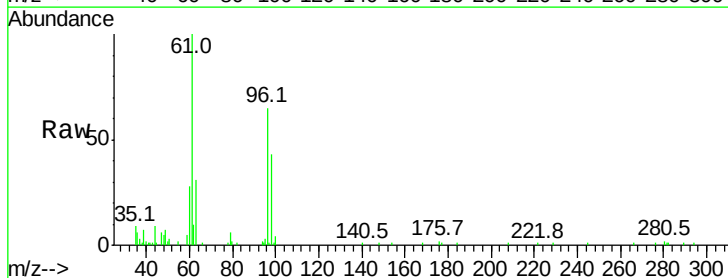
Delta R.T. -0.00 min

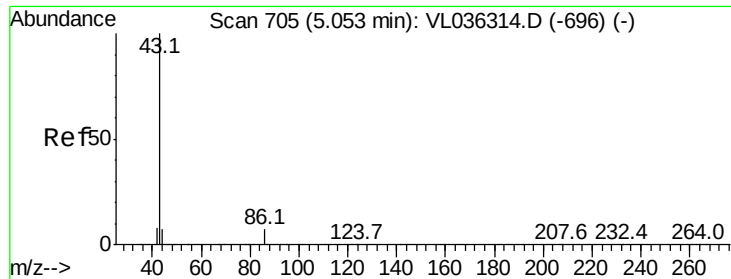
Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Tgt Ion: 96 Resp: 13829

Ion	Ratio	Lower	Upper
96	100		
61	152.9	143.7	215.5
98	66.9	48.5	72.7





#23

Vinyl Acetate

Concen: 0.396 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 89984

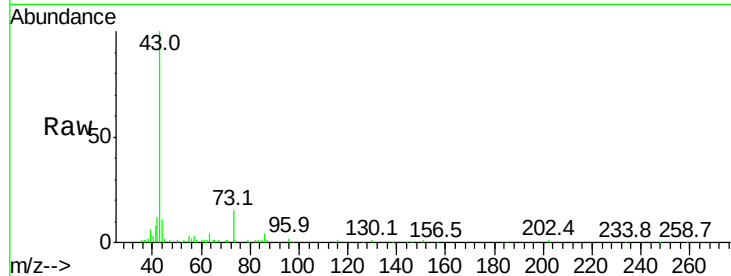
Ion Ratio Lower Upper

43 100

86 3.6 4.8 7.2#

42 10.0 7.4 11.0

44 10.3 4.8 7.2#

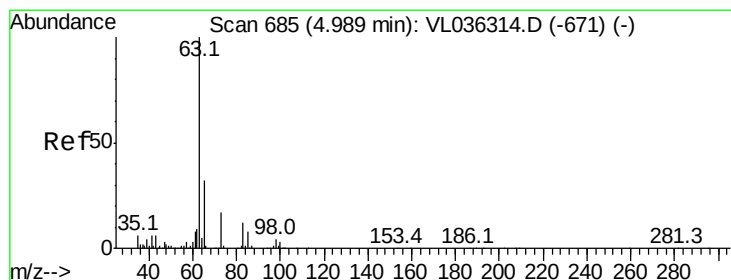
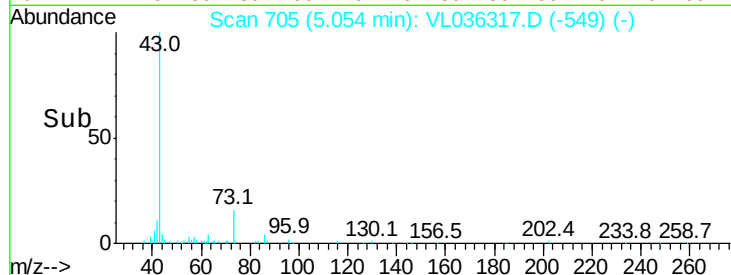
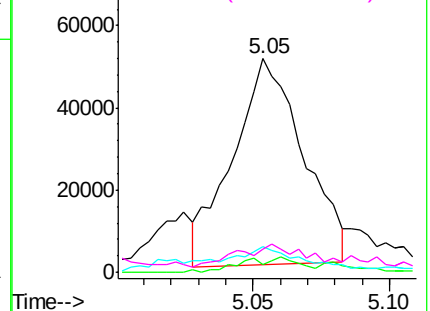


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.480 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

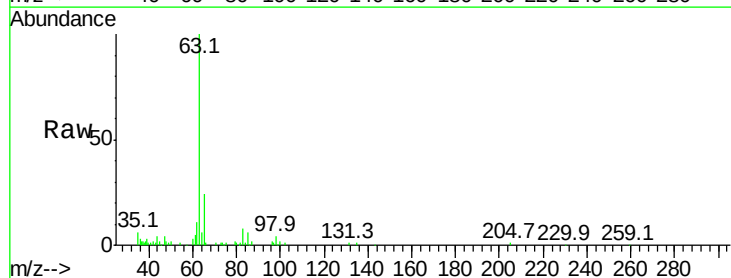
Tgt Ion: 63 Resp: 78902

Ion Ratio Lower Upper

63 100

98 3.7 2.0 6.0

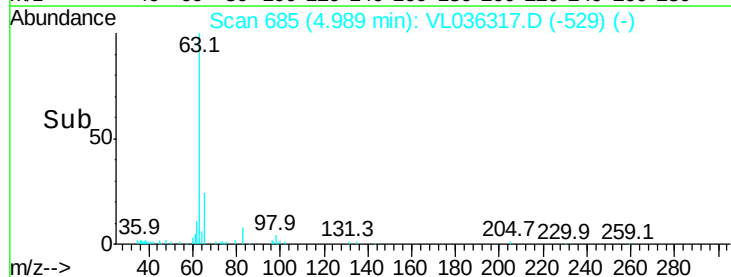
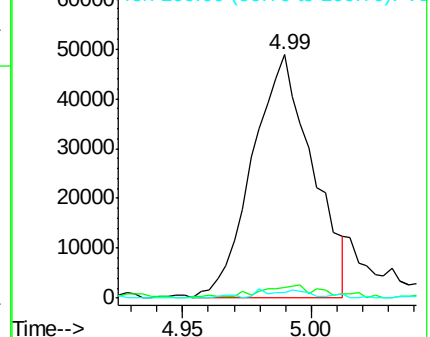
100 2.3 1.5 4.4

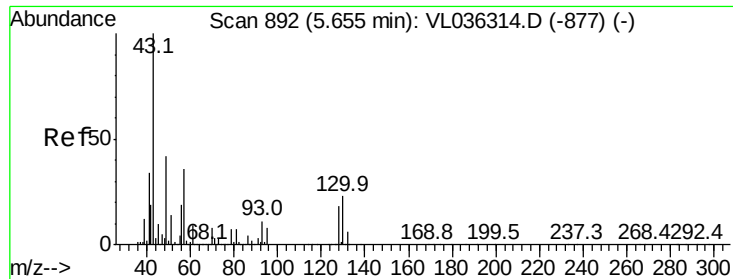


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

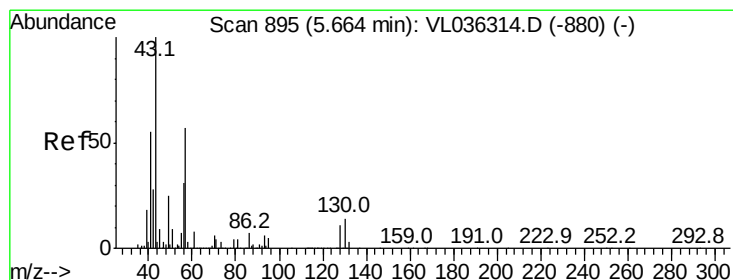
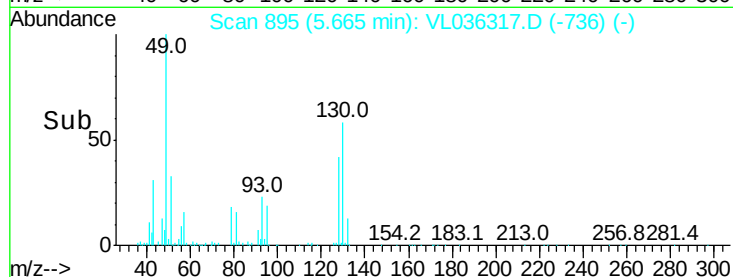
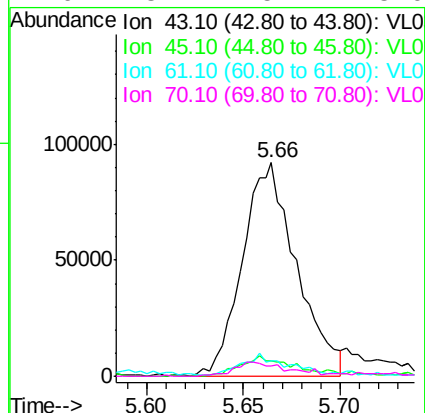
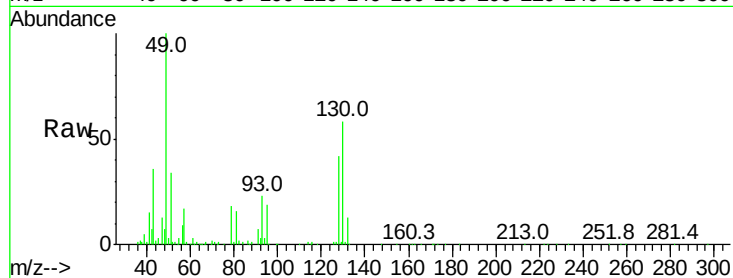




#25
Ethyl Acetate
Concen: 0.471 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

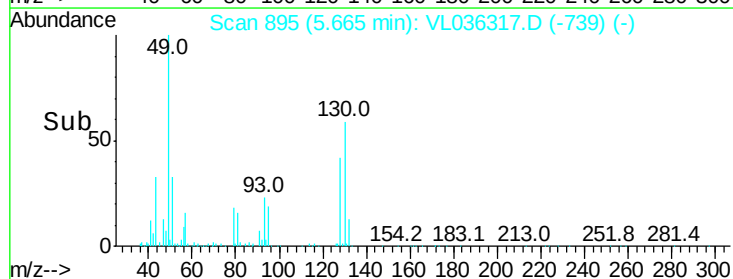
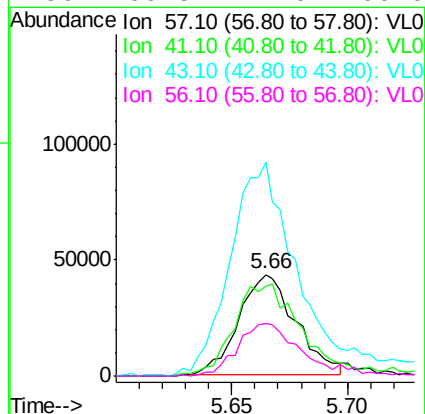
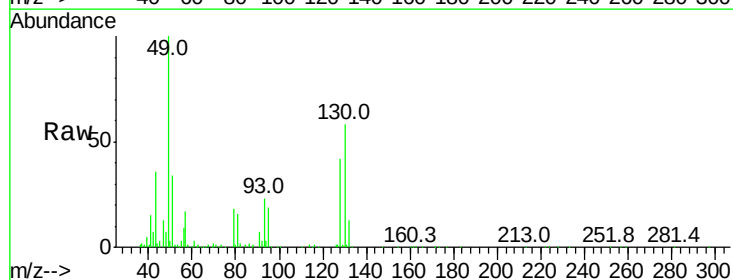
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

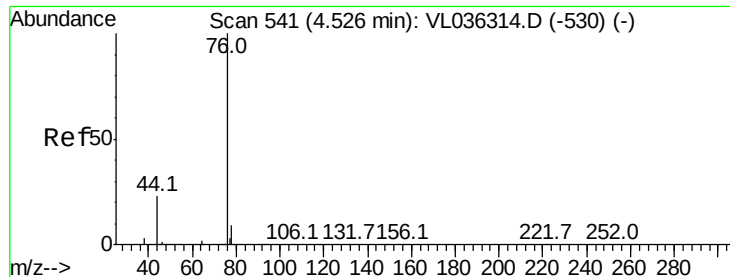
Tgt Ion:	43	Resp:	177298
Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.3	12.5
61	10.9	7.3	10.9
70	8.7	5.4	8.0#



#26
Hexane
Concen: 0.474 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion:	57	Resp:	74301
Ion	Ratio	Lower	Upper
57	100		
41	114.8	81.7	122.5
43	264.8	199.1	298.7
56	60.5	44.0	66.0





#27

Carbon Disulfide

Concen: 0.472 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

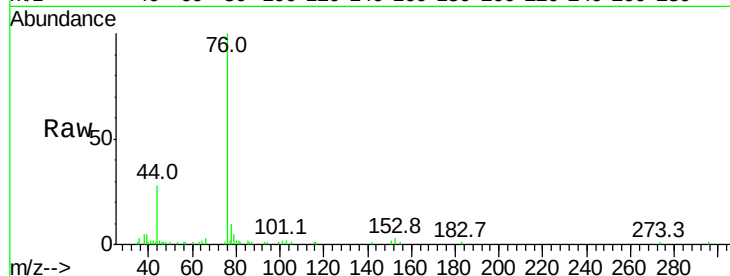
Tgt Ion: 76 Resp: 59164

Ion Ratio Lower Upper

76 100

44 34.9 18.4 27.6#

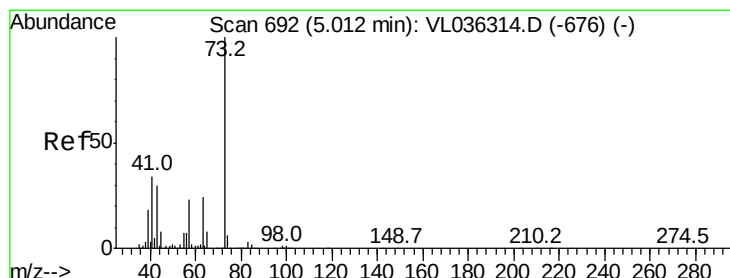
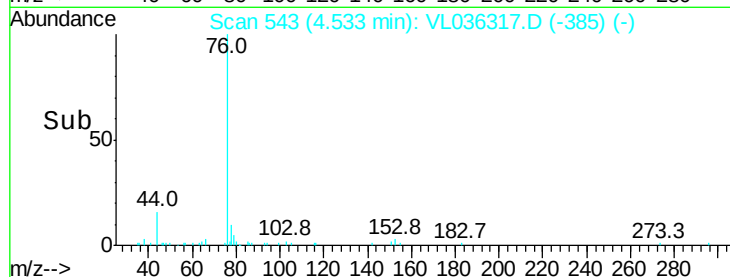
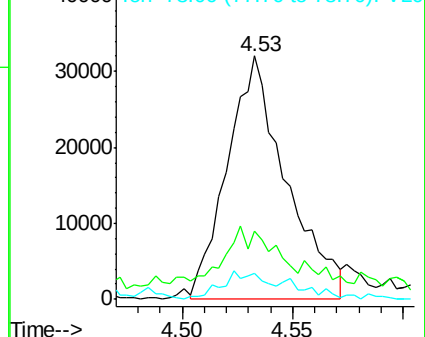
78 13.2 8.0 12.0#



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: 0.429 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL036317.D

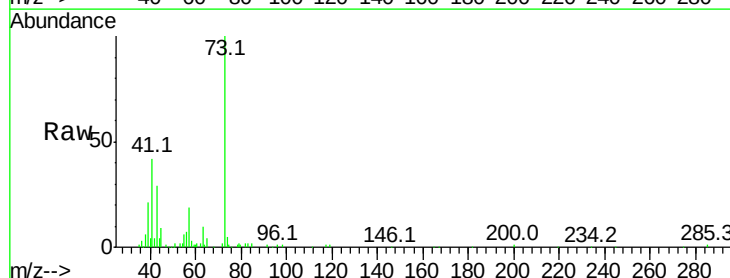
Acq: 10 Feb 2021 13:24

Tgt Ion: 73 Resp: 90955

Ion Ratio Lower Upper

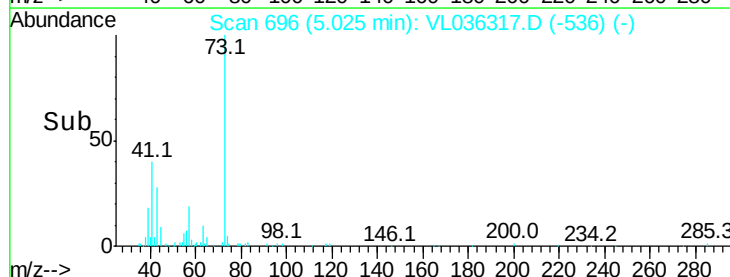
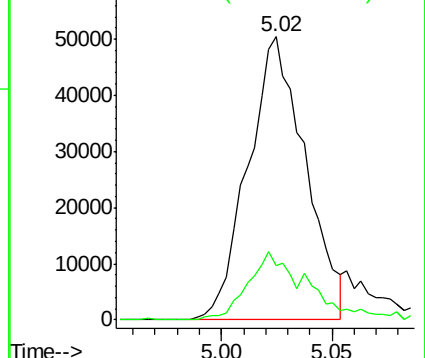
73 100

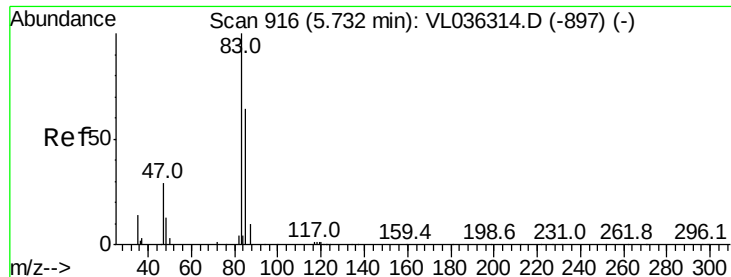
57 26.0 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

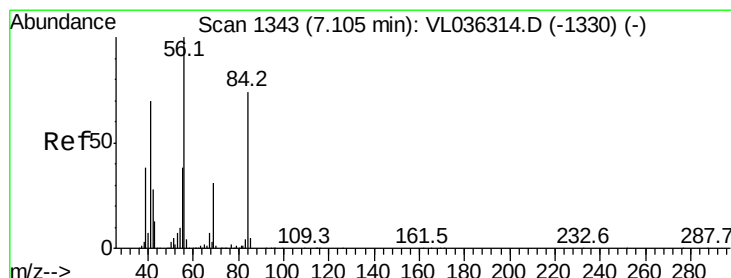
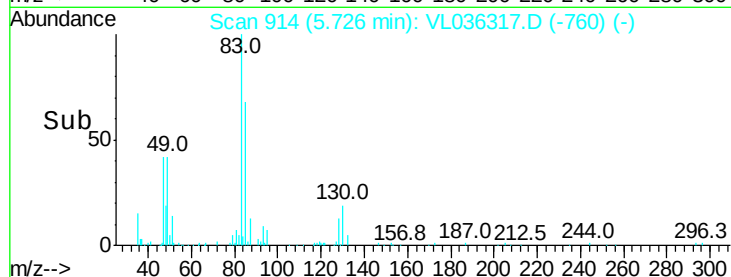
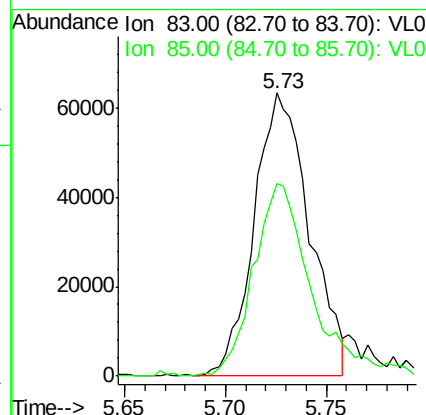
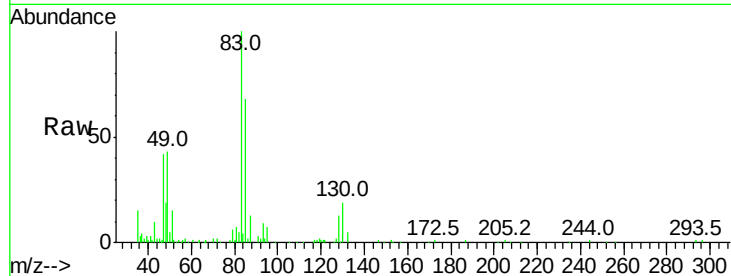




#29
Chloroform
Concen: 0.539 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.01 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

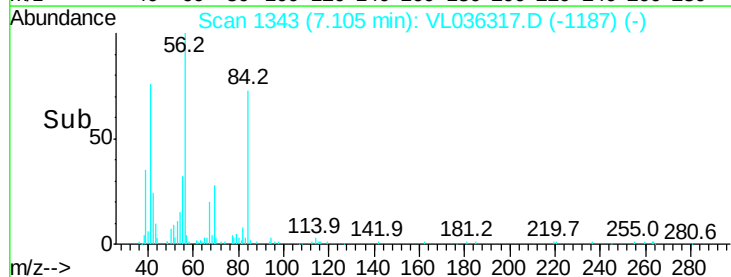
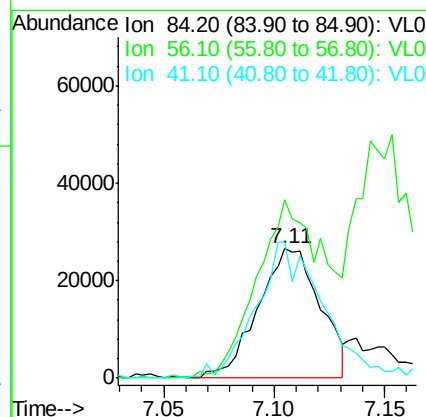
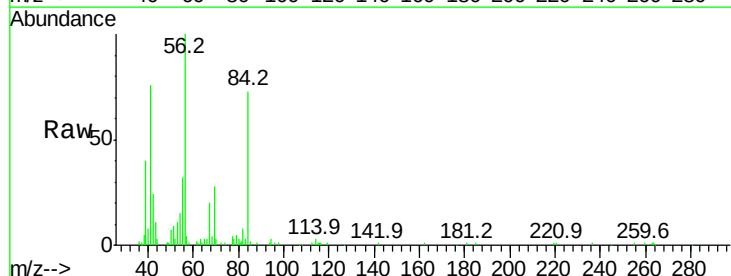
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

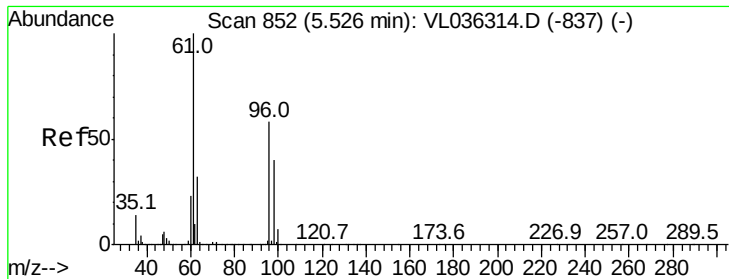
Tgt Ion: 83 Resp: 120812
Ion Ratio Lower Upper
83 100
85 67.8 51.4 77.2



#30
Cyclohexane
Concen: 0.431 ppbv
RT: 7.11 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion: 84 Resp: 51561
Ion Ratio Lower Upper
84 100
56 143.5 120.2 180.4
41 118.3 79.7 119.5





#31

cis-1,2-Dichloroethene

Concen: 0.272 ppbv

RT: 5.53 min Scan# 852

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

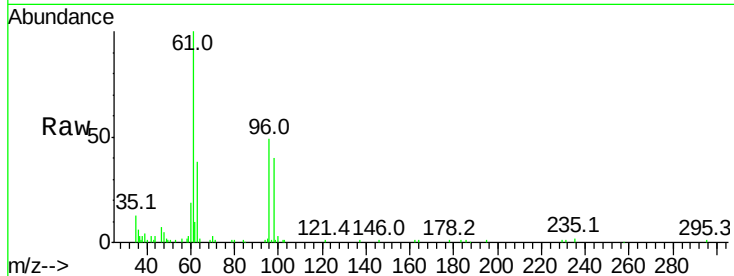
Tgt Ion: 61 Resp: 40767

Ion Ratio Lower Upper

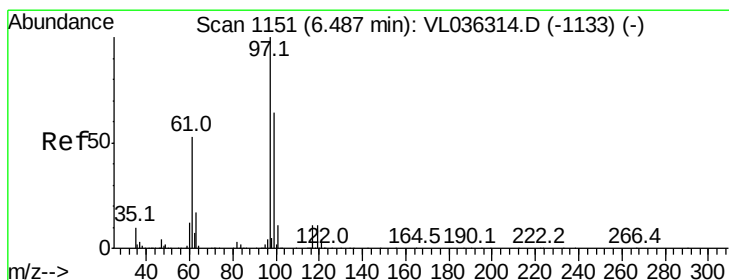
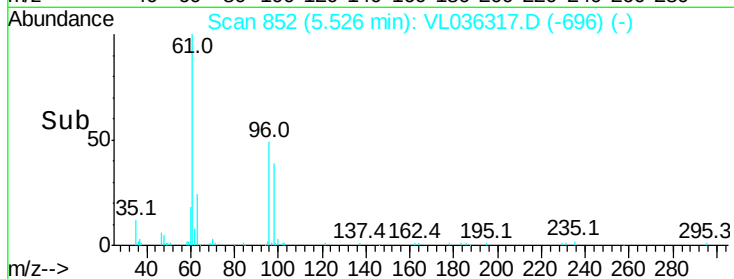
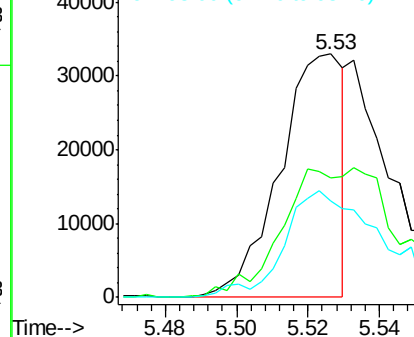
61 100

96 48.8 46.0 69.0

98 39.8 31.9 47.9



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.516 ppbv

RT: 6.49 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

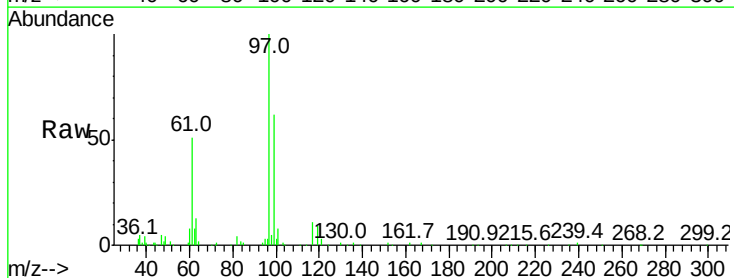
Tgt Ion: 97 Resp: 111815

Ion Ratio Lower Upper

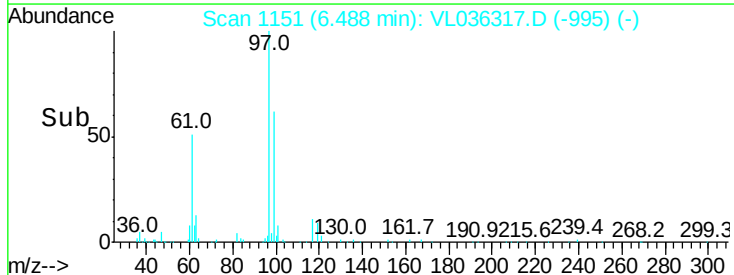
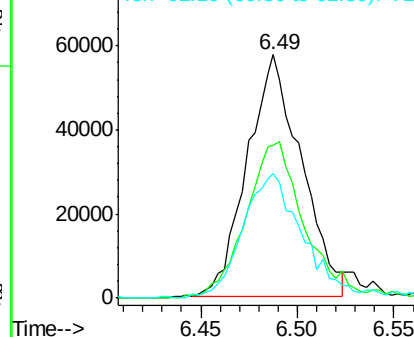
97 100

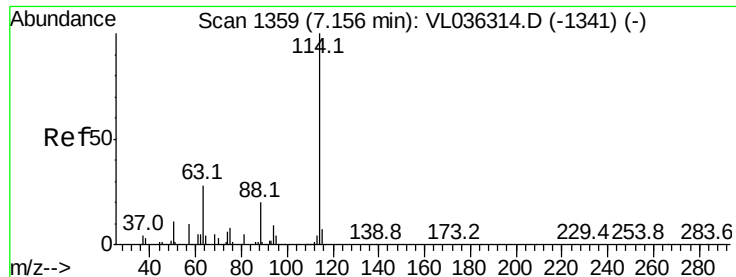
99 71.6 52.2 78.4

61 58.7 43.3 64.9



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

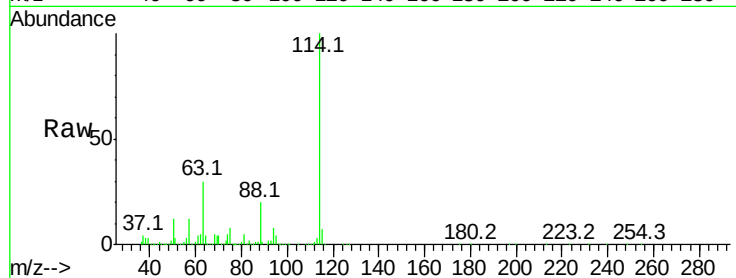
Tgt Ion:114 Resp: 3444037

Ion Ratio Lower Upper

114 100

63 29.4 24.1 36.1

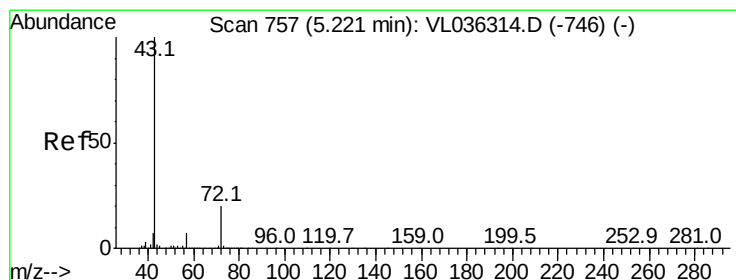
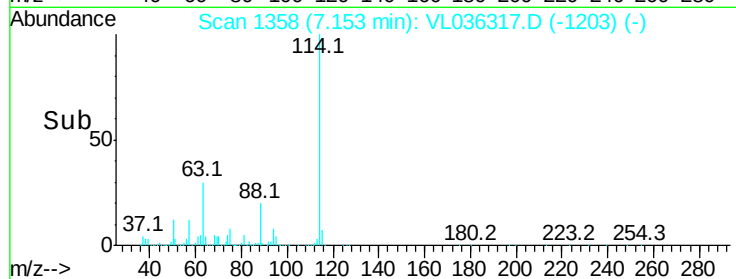
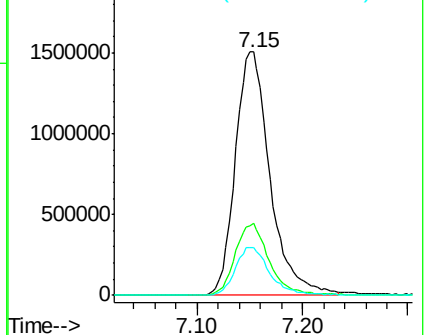
88 19.9 16.0 24.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.393 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.01 min

Lab File: VL036317.D

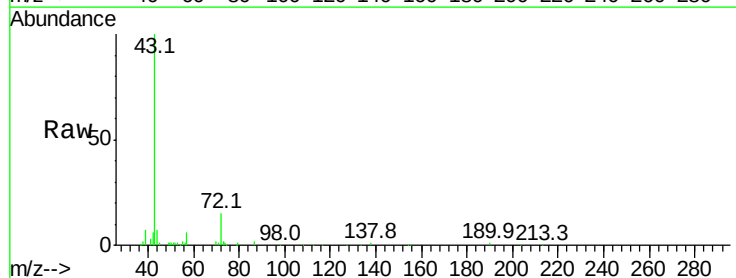
Acq: 10 Feb 2021 13:24

Tgt Ion: 43 Resp: 99680

Ion Ratio Lower Upper

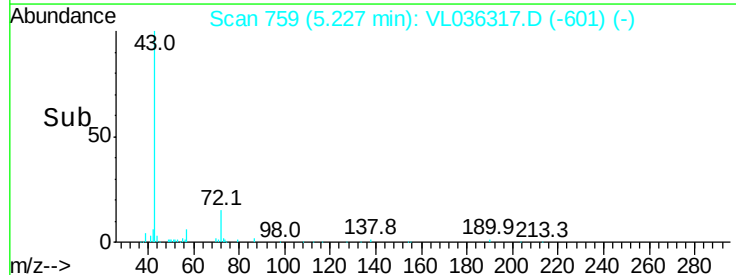
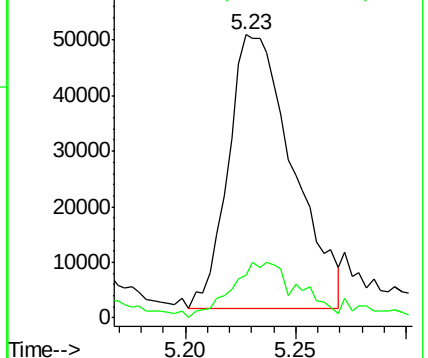
43 100

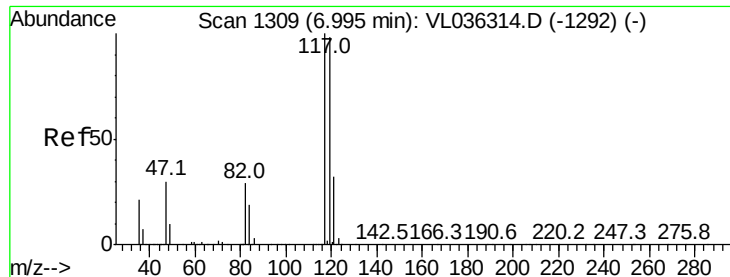
72 24.4 16.7 25.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.194 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

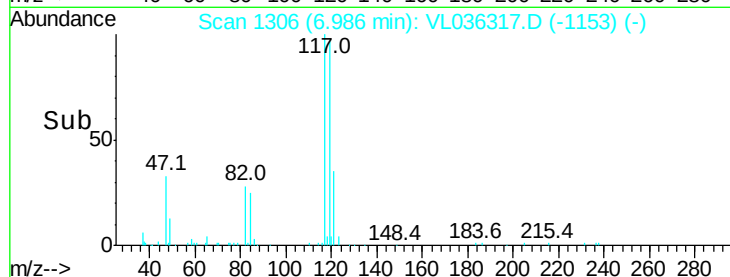
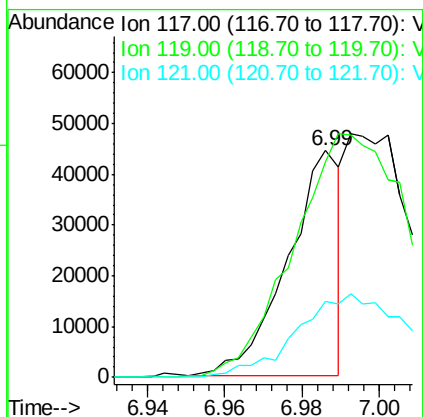
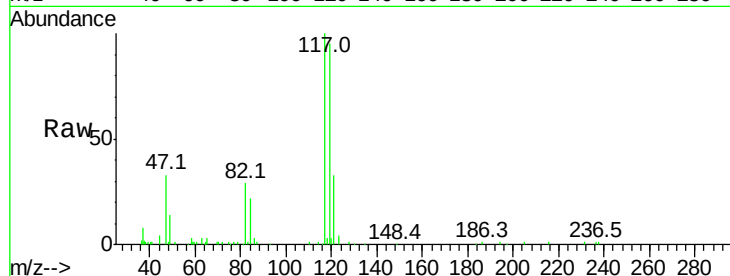
Tgt Ion: 117 Resp: 42216

Ion Ratio Lower Upper

117 100

119 95.7 78.1 117.1

121 33.8 25.8 38.8



#36

Benzene

Concen: 0.467 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

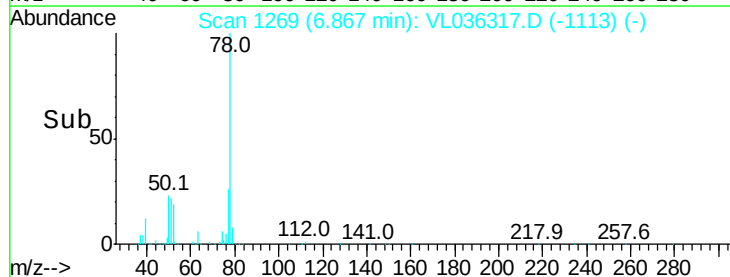
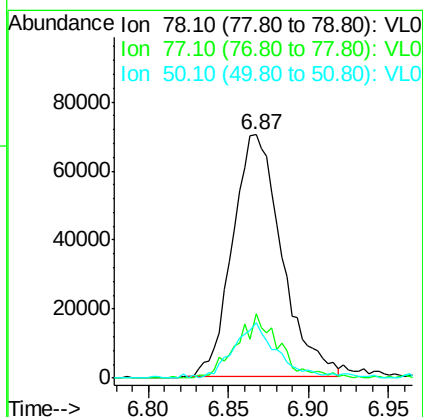
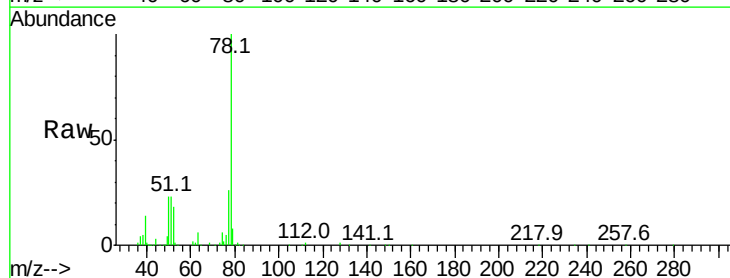
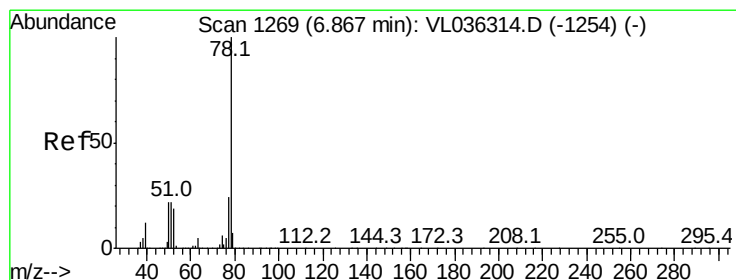
Tgt Ion: 78 Resp: 147327

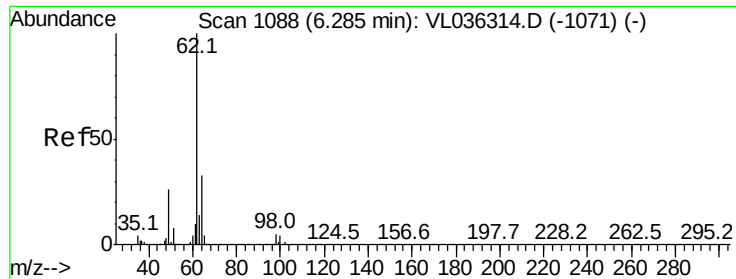
Ion Ratio Lower Upper

78 100

77 26.4 18.9 28.3

50 22.9 17.3 25.9





#37

1,2-Dichloroethane

Concen: 0.503 ppbv

RT: 6.28 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

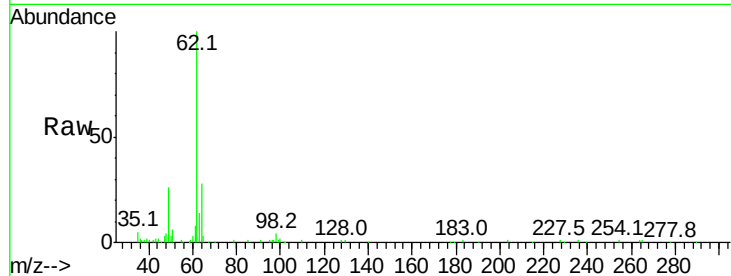
VSTDIC0.5

Tgt Ion: 62 Resp: 95456

Ion Ratio Lower Upper

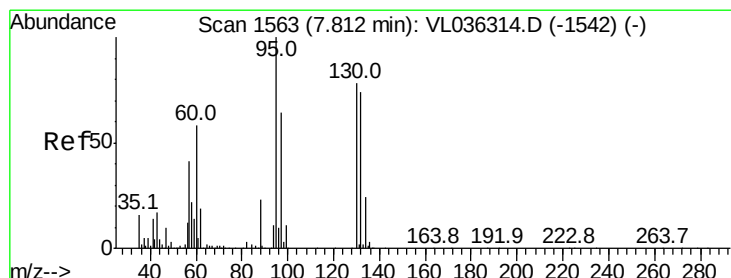
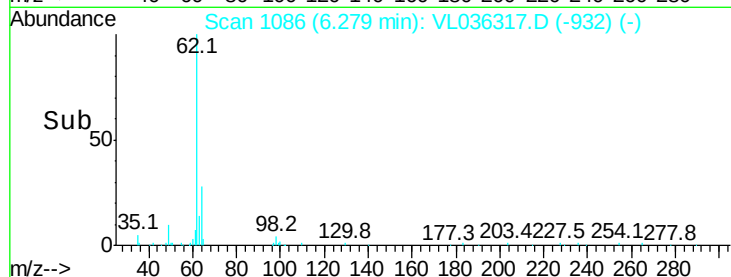
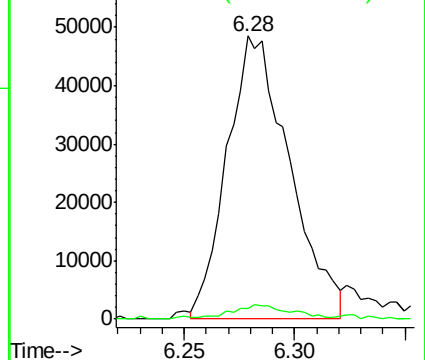
62 100

98 5.9 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.319 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Tgt Ion: 130 Resp: 37267

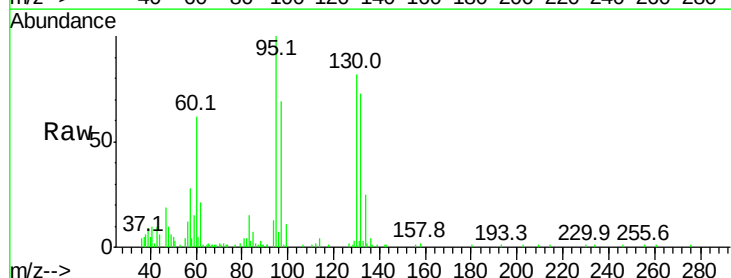
Ion Ratio Lower Upper

130 100

95 120.4 102.8 154.2

132 89.4 75.7 113.5

97 84.8 66.2 99.2

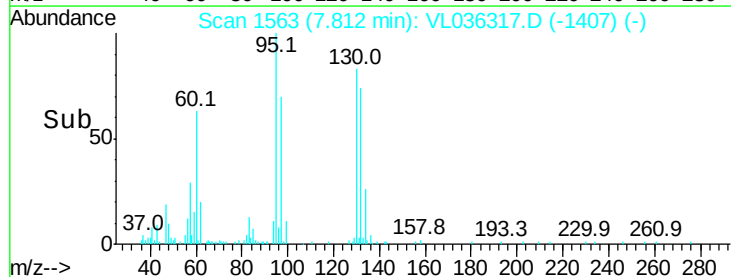
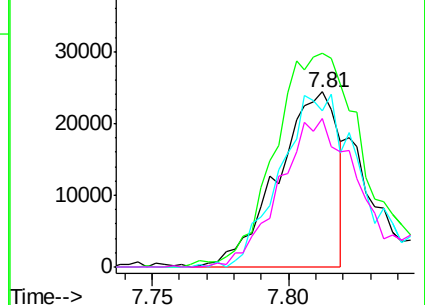


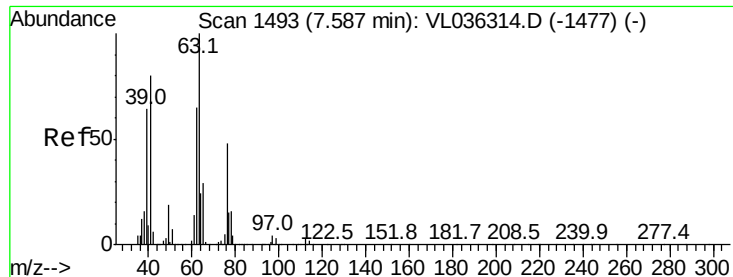
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 0.468 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

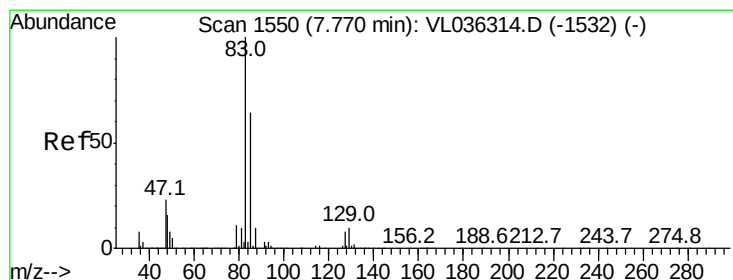
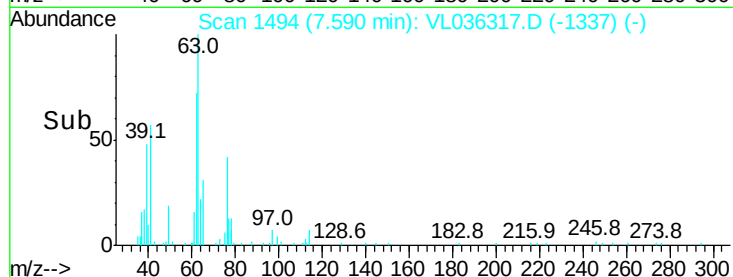
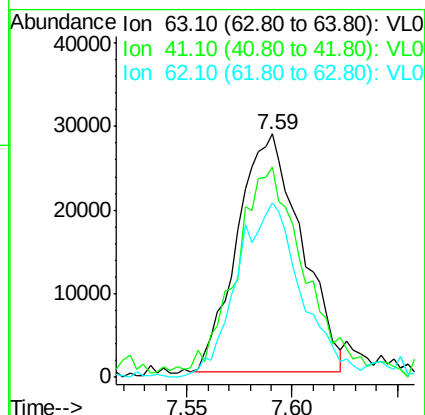
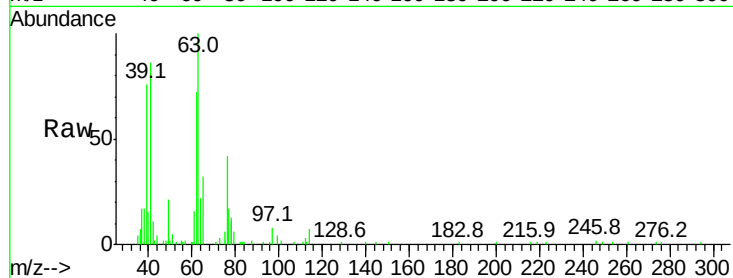
Tgt Ion: 63 Resp: 59913

Ion Ratio Lower Upper

63 100

41 84.5 63.8 95.6

62 71.4 52.3 78.5



#42

Bromodichloromethane

Concen: 0.296 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

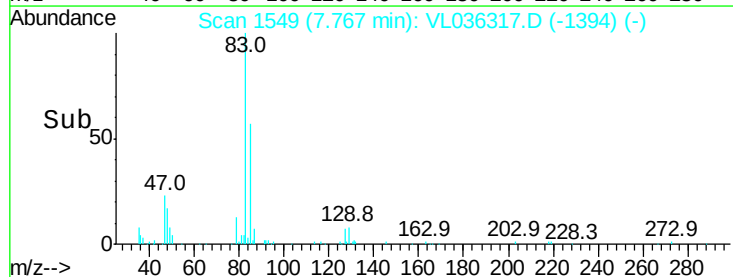
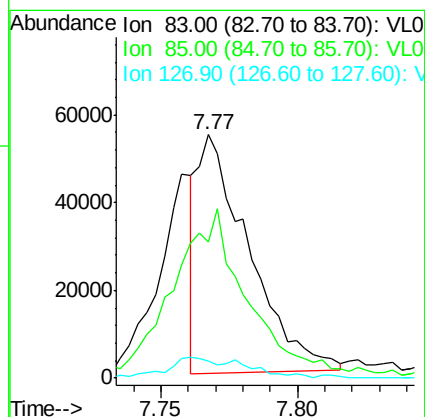
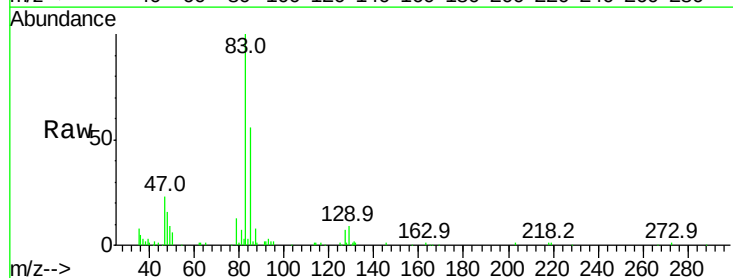
Tgt Ion: 83 Resp: 70744

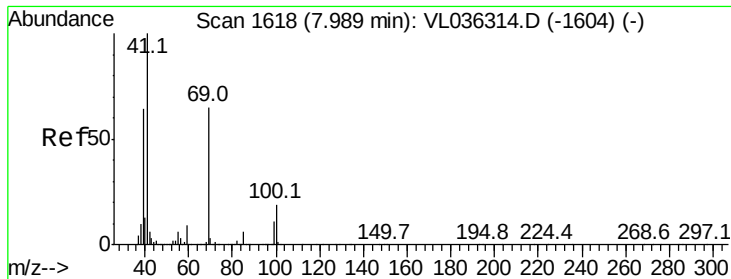
Ion Ratio Lower Upper

83 100

85 55.3 51.1 76.7

127 6.4 6.3 9.5

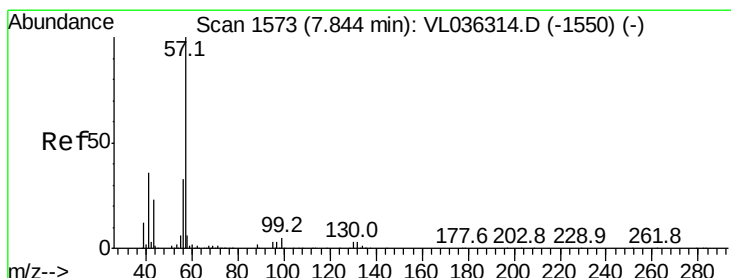
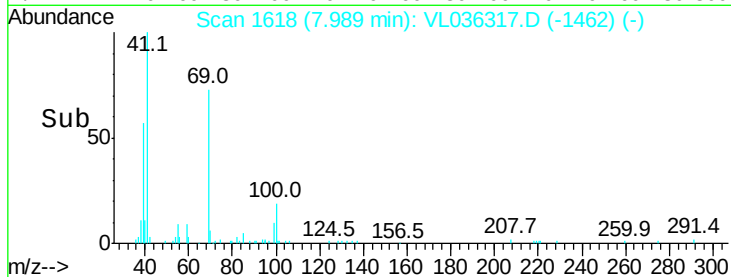
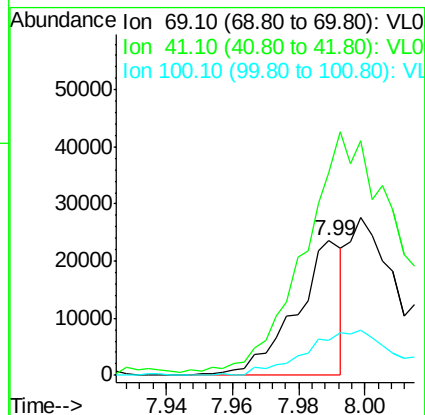
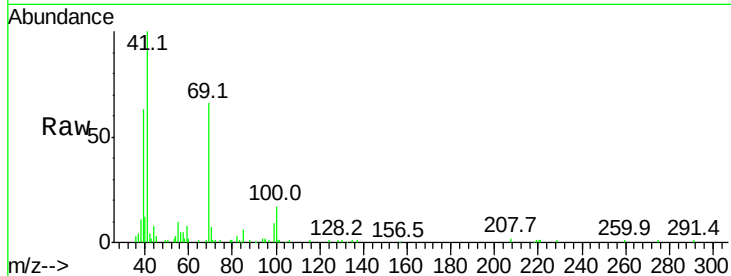




#43
Methyl Methacrylate
Concen: 0.171 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

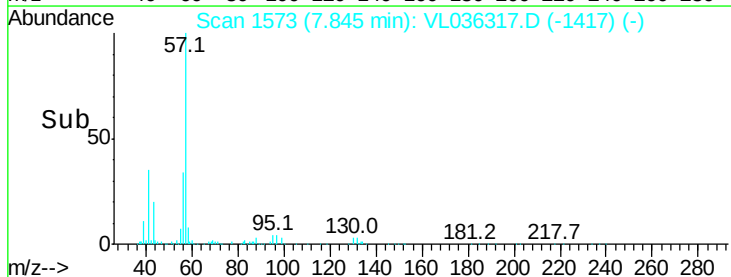
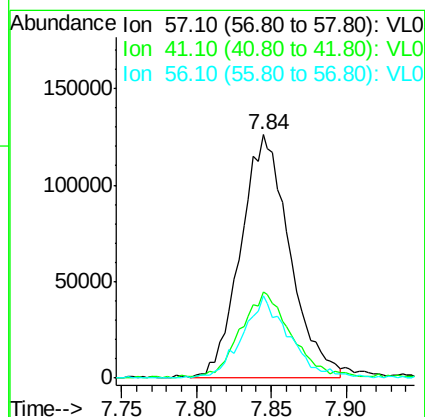
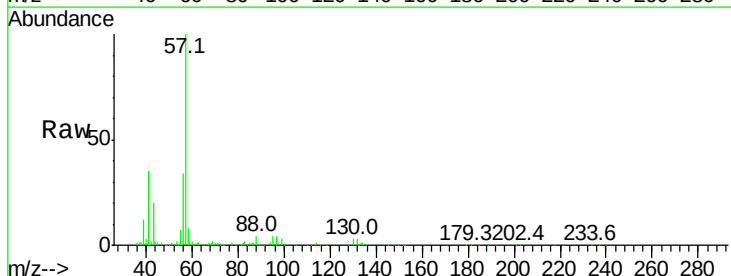
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

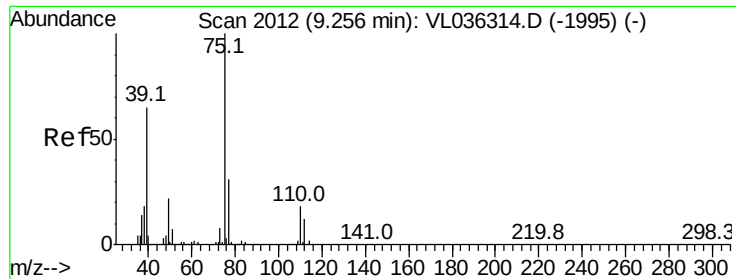
Tgt Ion: 69 Resp: 22989
Ion Ratio Lower Upper
69 100
41 389.4 126.5 189.7#
100 0.0 23.1 34.7#



#44
2,2,4-Trimethylpentane
Concen: 0.491 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion: 57 Resp: 284371
Ion Ratio Lower Upper
57 100
41 37.9 28.8 43.2
56 32.8 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 0.368 ppbv

RT: 9.25 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

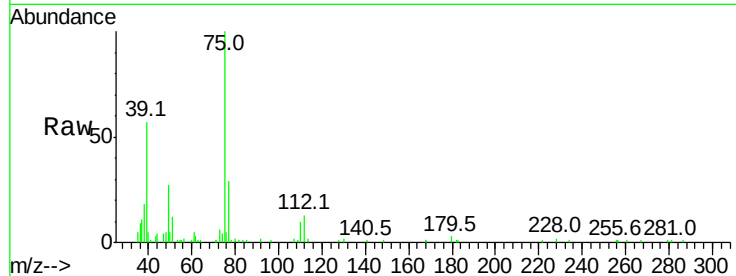
VSTDIC0.5

Tgt Ion: 75 Resp: 46861

Ion Ratio Lower Upper

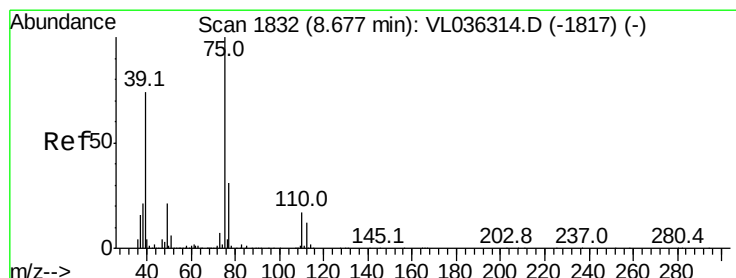
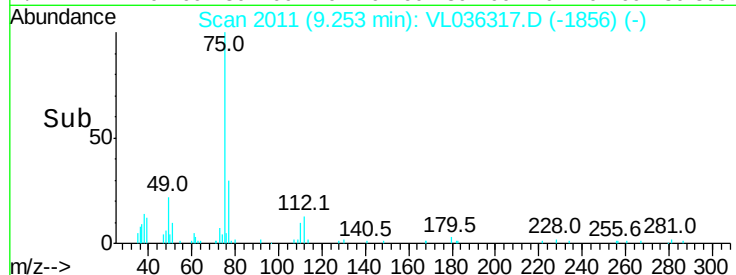
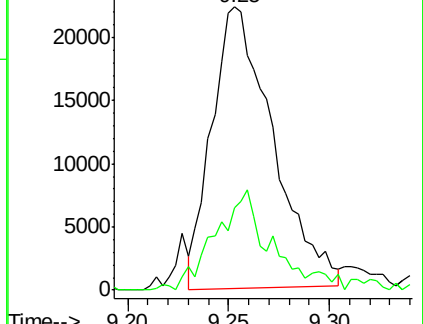
75 100

77 29.3 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.230 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

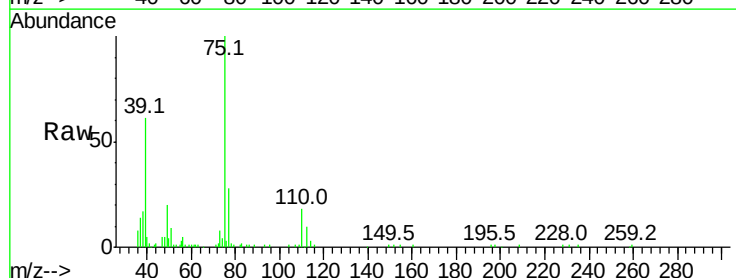
Tgt Ion: 75 Resp: 37692

Ion Ratio Lower Upper

75 100

39 36.3 59.2 88.8#

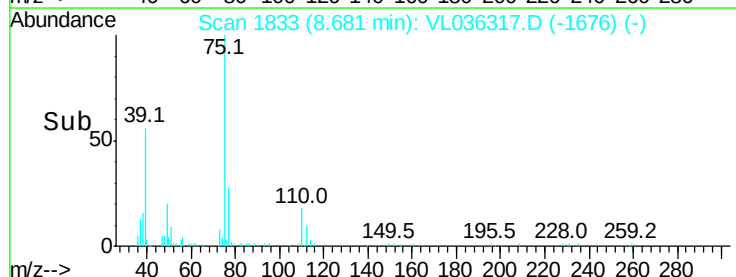
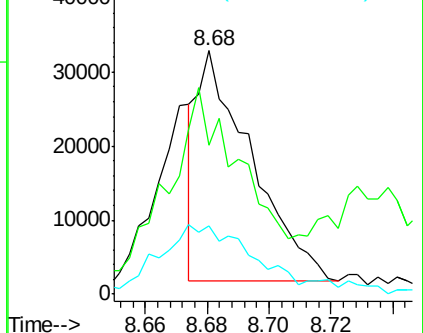
77 26.6 25.0 37.6

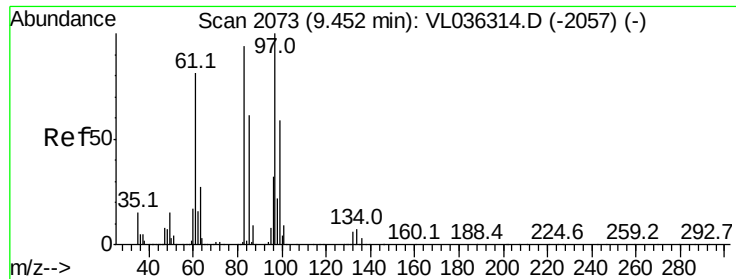


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.193 ppbv

RT: 9.45 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 23681

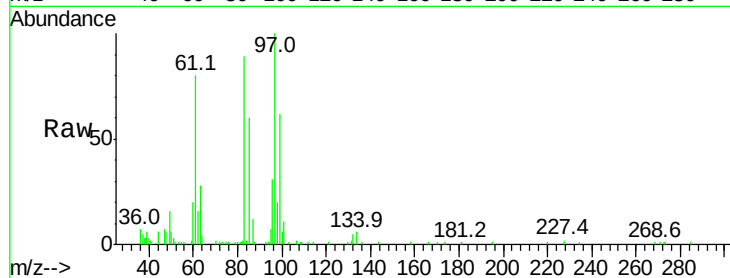
Ion Ratio Lower Upper

97 100

83 69.1 75.4 113.0#

85 43.9 48.9 73.3#

99 60.6 46.9 70.3

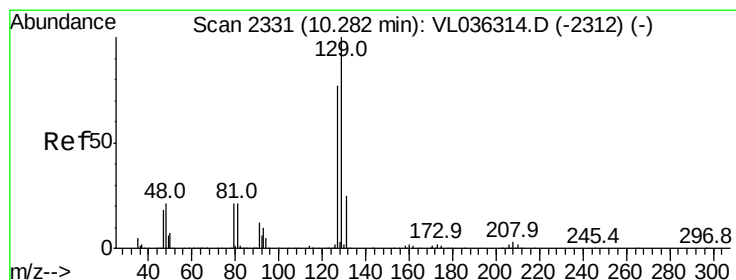
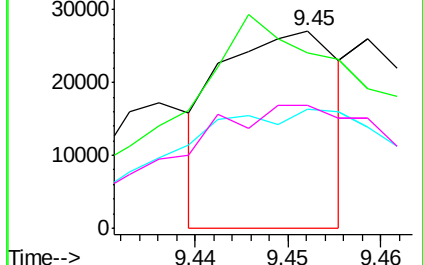
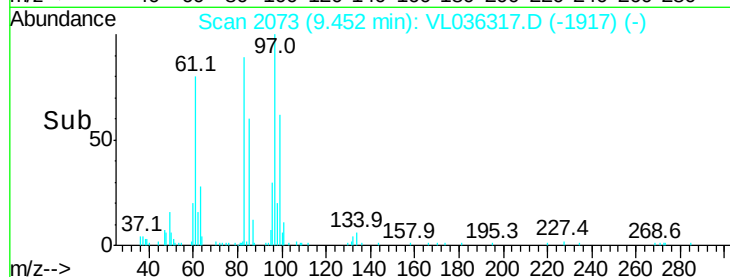


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.347 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VL036317.D

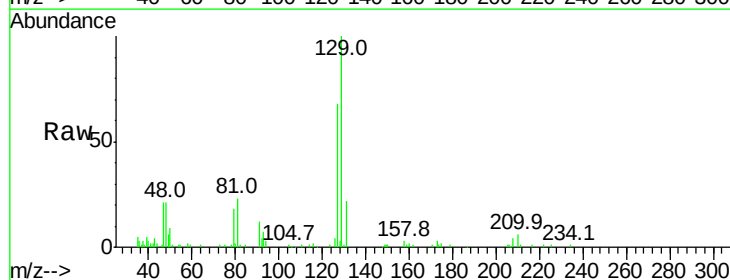
Acq: 10 Feb 2021 13:24

Tgt Ion: 129 Resp: 62241

Ion Ratio Lower Upper

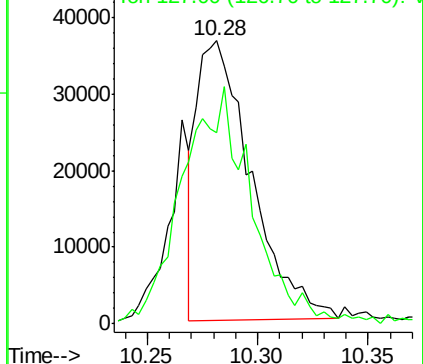
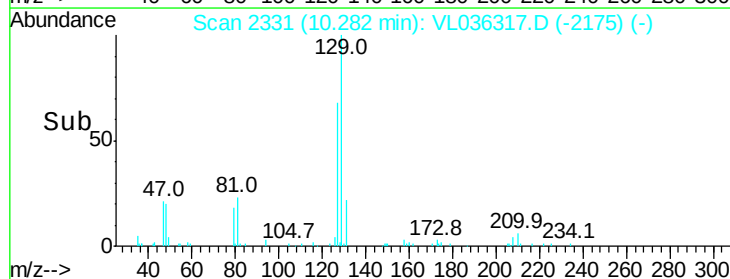
129 100

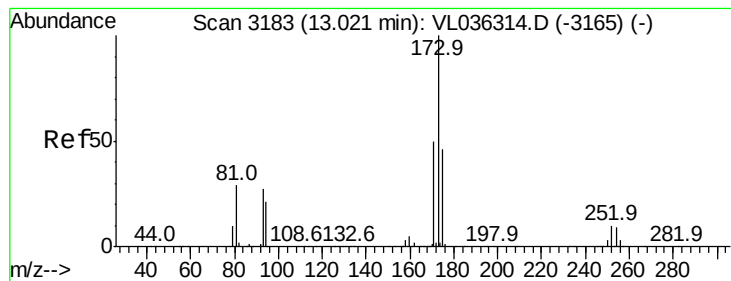
127 109.2 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.122 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

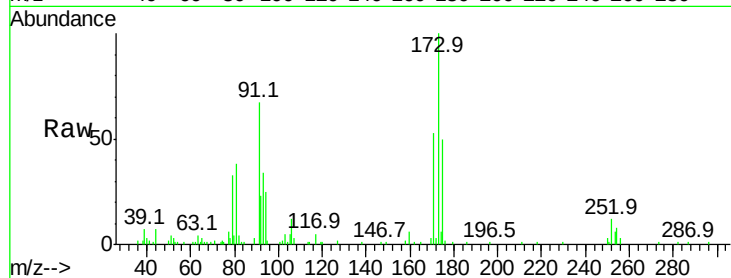
Tgt Ion:173 Resp: 18216

Ion Ratio Lower Upper

173 100

175 171.4 40.2 60.2#

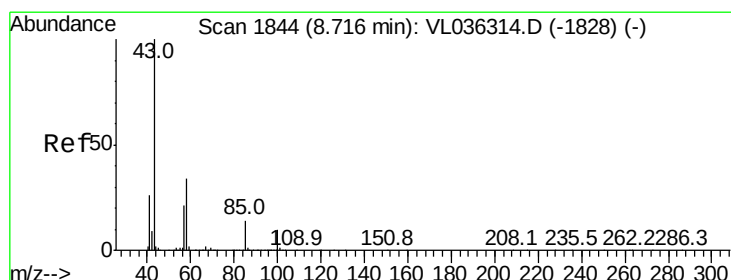
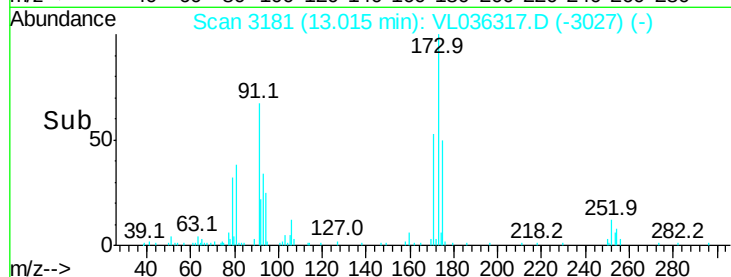
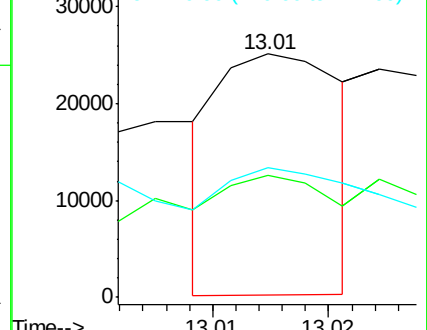
171 181.7 43.4 65.2#



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: 0.408 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.02 min

Lab File: VL036317.D

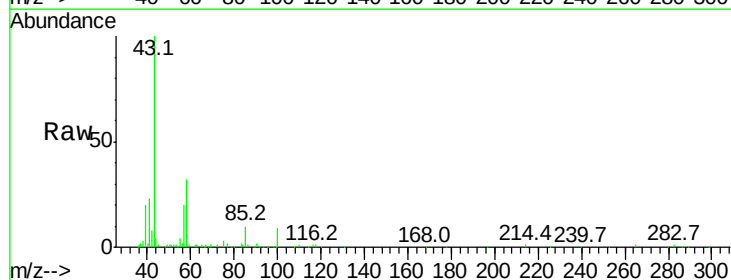
Acq: 10 Feb 2021 13:24

Tgt Ion: 43 Resp: 154406

Ion Ratio Lower Upper

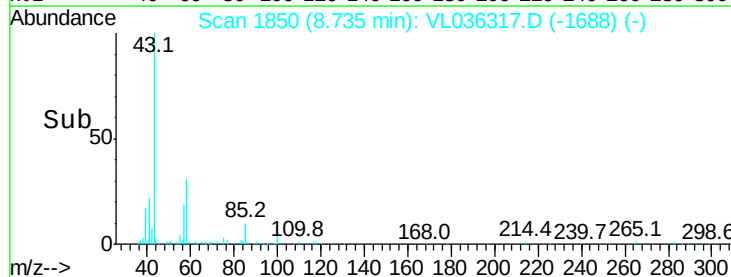
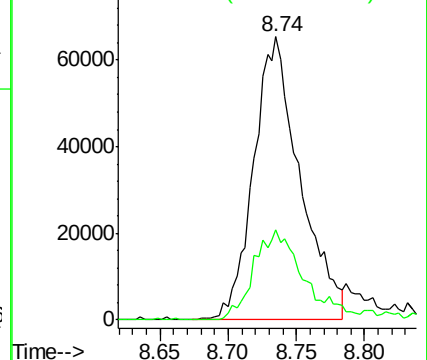
43 100

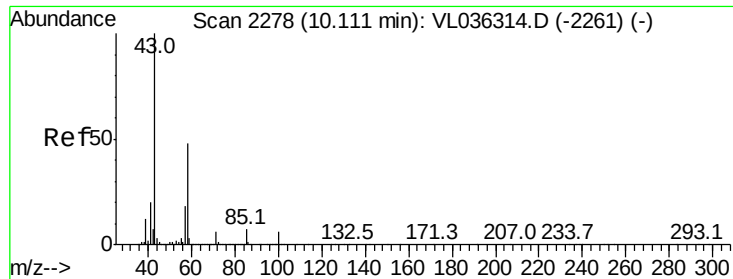
58 36.5 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

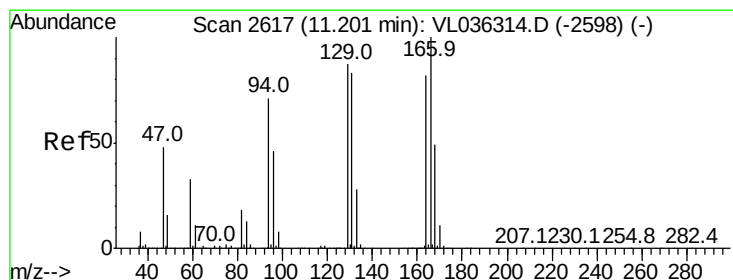
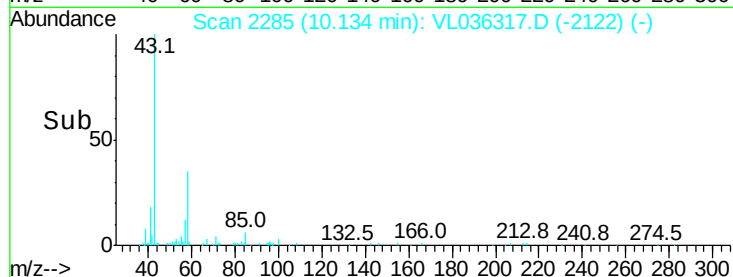
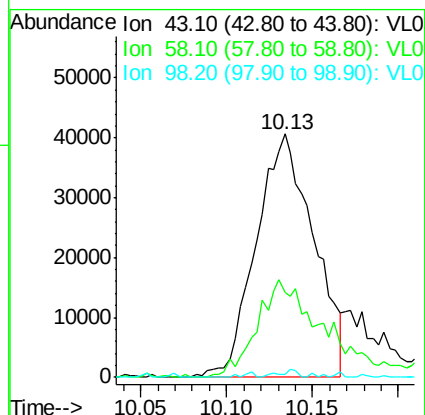
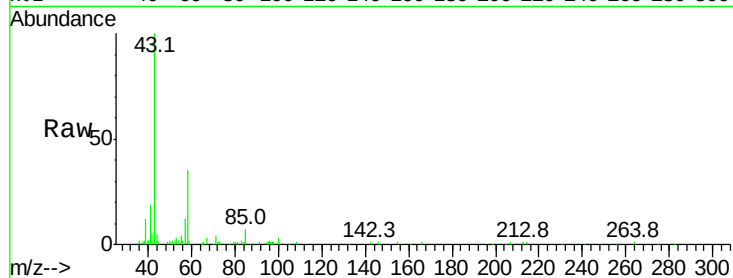




#51
2-Hexanone
Concen: 0.317 ppbv
RT: 10.13 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

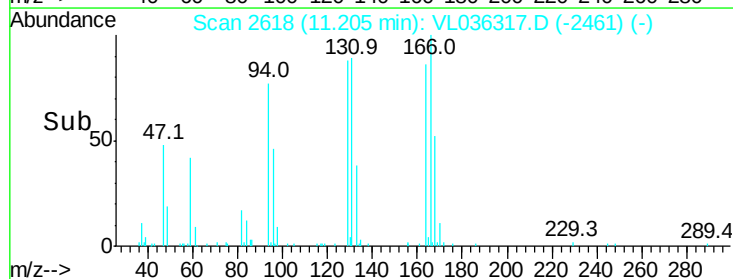
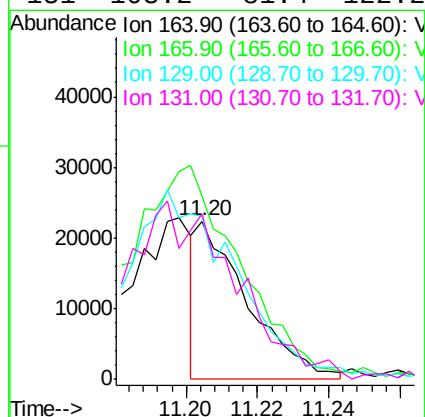
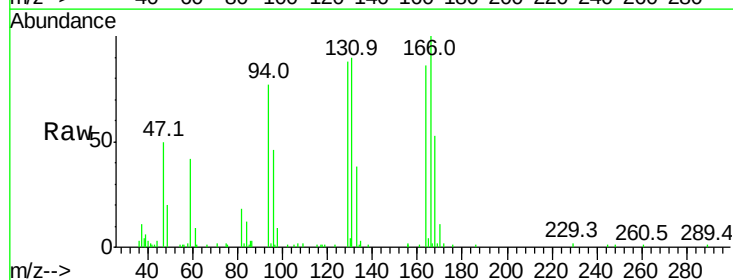
Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

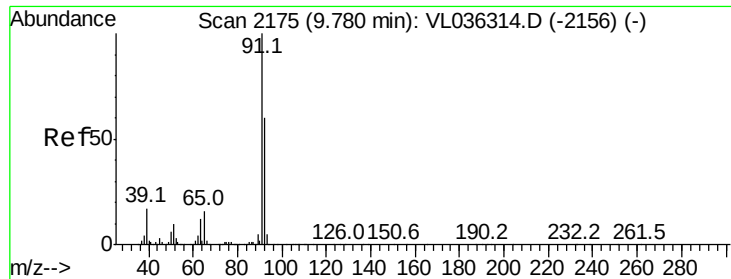
Tgt Ion: 43 Resp: 94529
Ion Ratio Lower Upper
43 100
58 54.3 38.7 58.1
98 1.5 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.187 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion: 164 Resp: 21744
Ion Ratio Lower Upper
164 100
166 115.3 97.8 146.8
129 99.0 84.9 127.3
131 103.2 81.4 122.2





#53

Toluene

Concen: 0.420 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

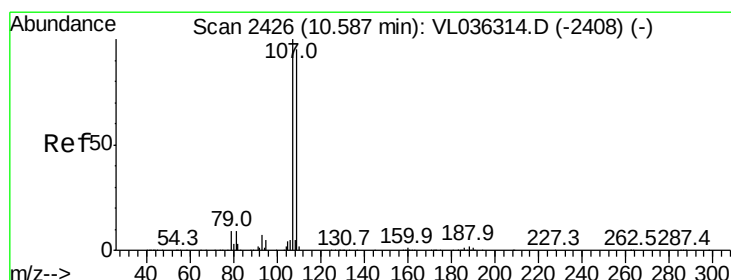
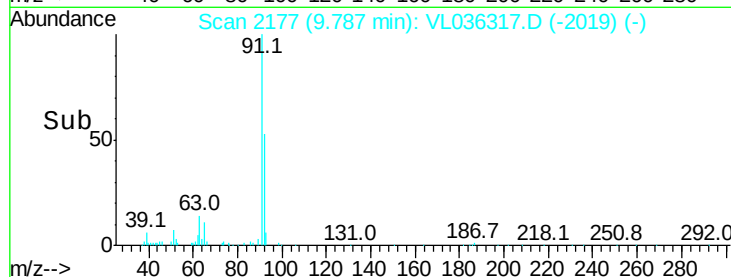
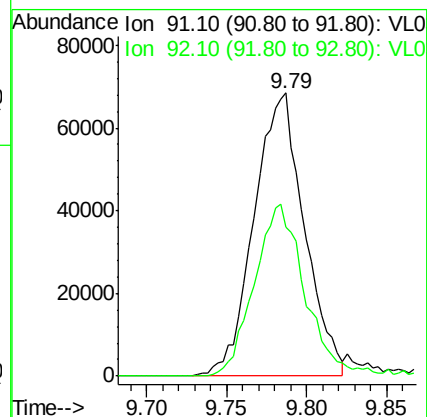
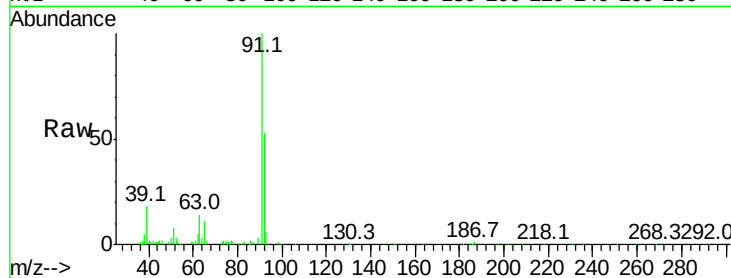
VSTDIC0.5

Tgt Ion: 91 Resp: 148411

Ion Ratio Lower Upper

91 100

92 61.7 48.6 72.8



#54

1,2-Dibromoethane

Concen: 0.308 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL036317.D

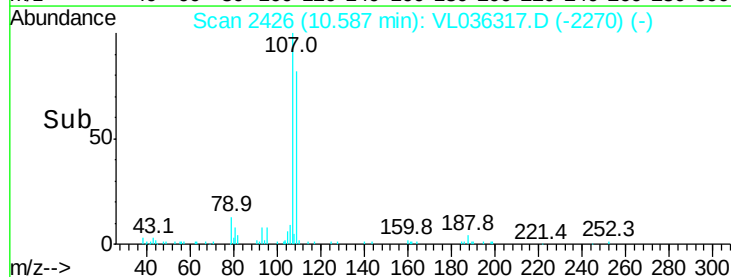
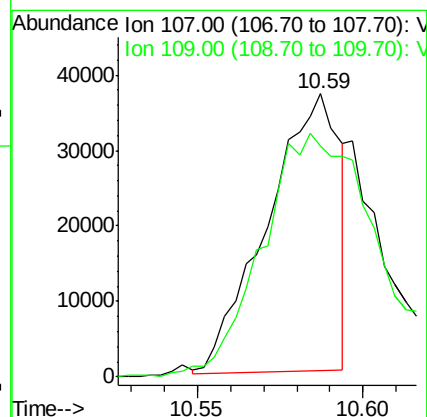
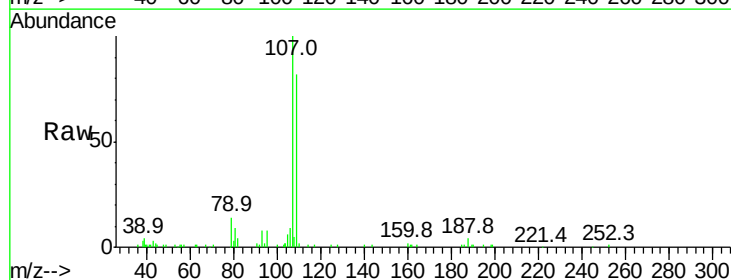
Acq: 10 Feb 2021 13:24

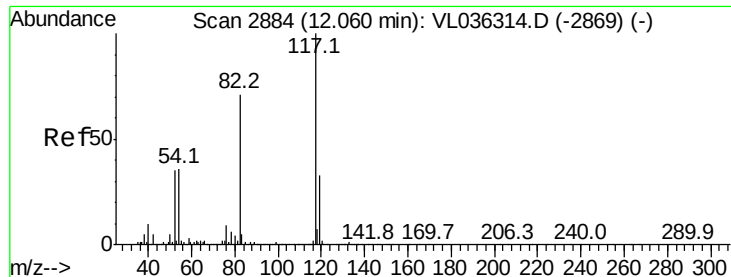
Tgt Ion: 107 Resp: 55889

Ion Ratio Lower Upper

107 100

109 79.9 76.0 114.0

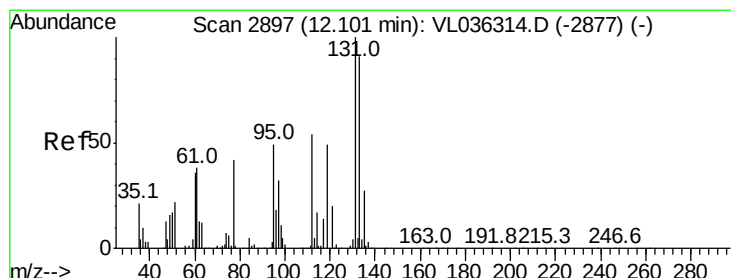
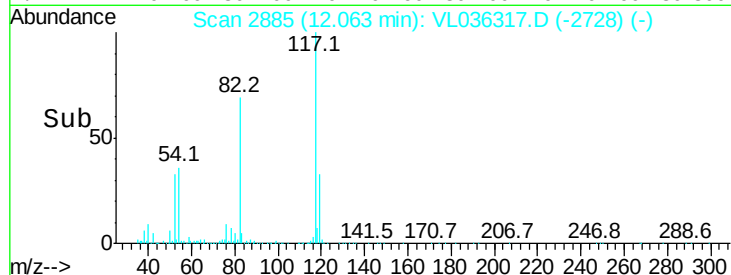
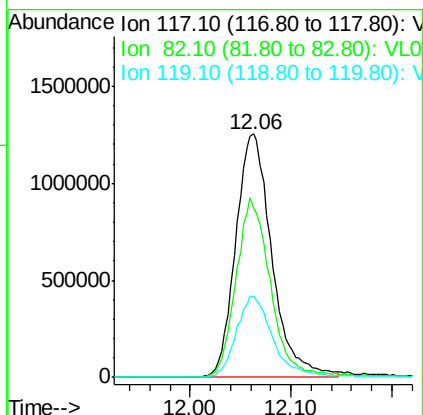
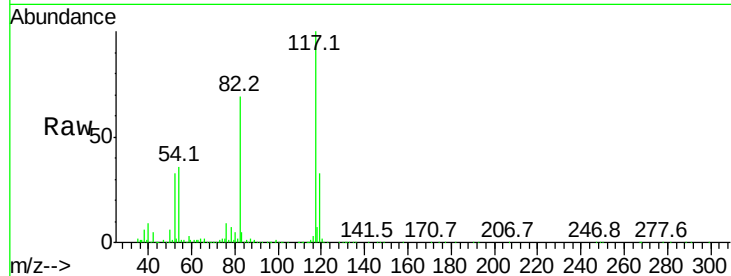




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

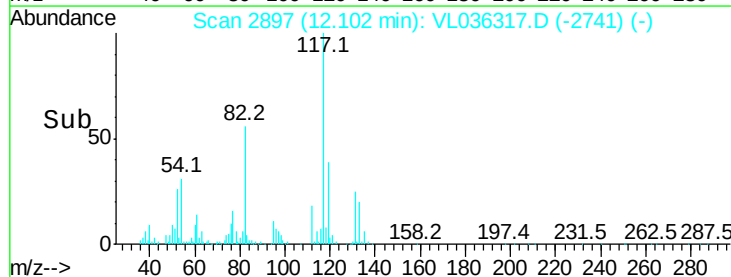
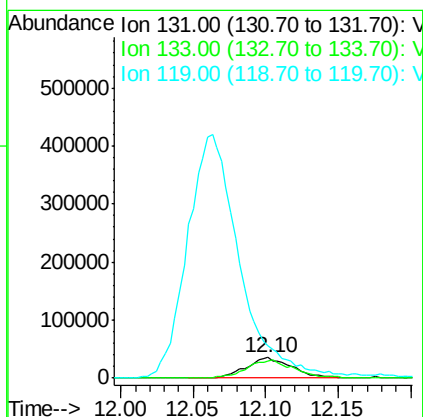
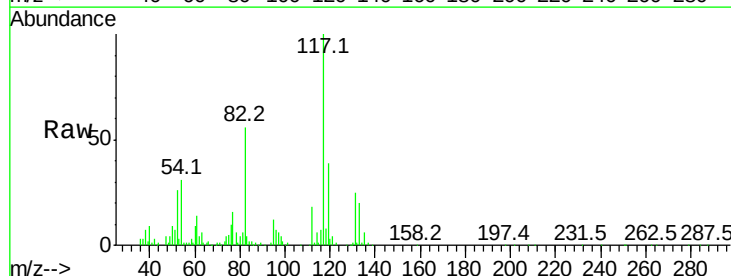
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

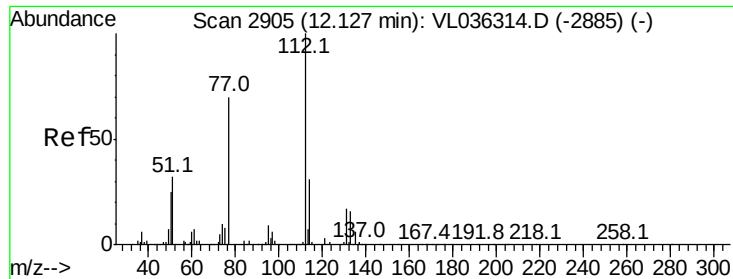
Tgt Ion:117 Resp: 3121658
Ion Ratio Lower Upper
117 100
82 71.3 59.1 88.7
119 34.2 46.3 69.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.562 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion:131 Resp: 78252
Ion Ratio Lower Upper
131 100
133 91.8 76.0 114.0
119 1365.2 115.1 172.7#

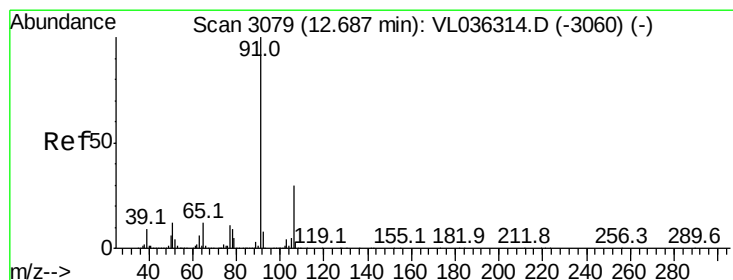
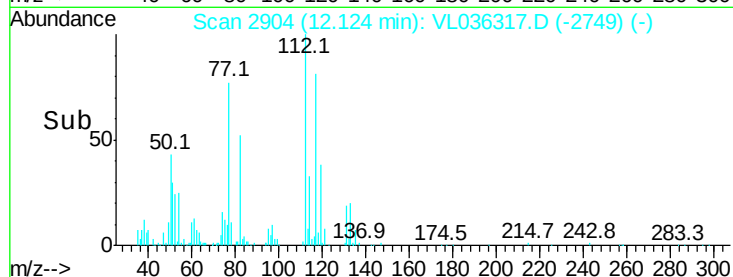
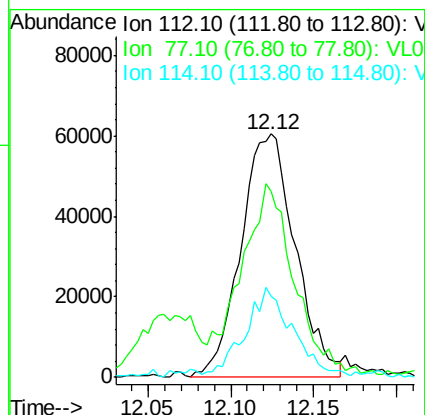
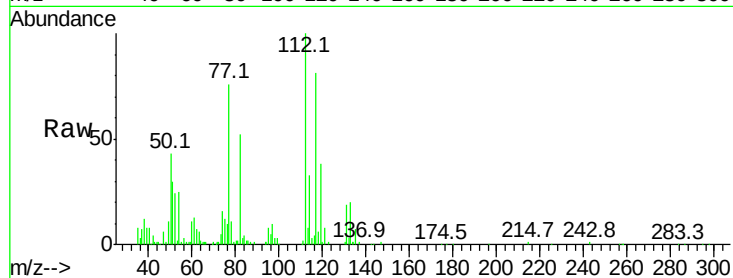




#57
Chlorobenzene
Concen: 0.564 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

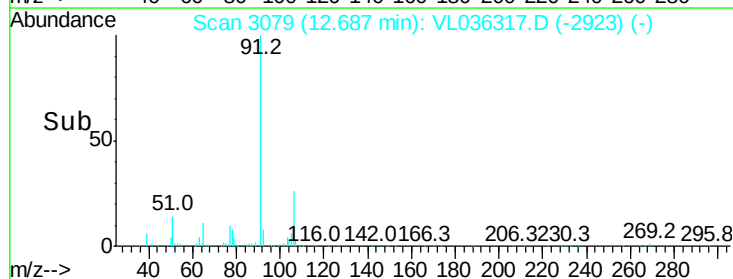
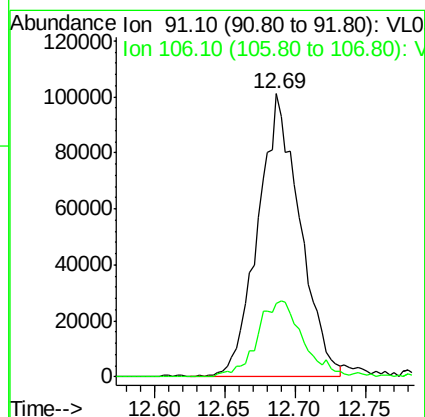
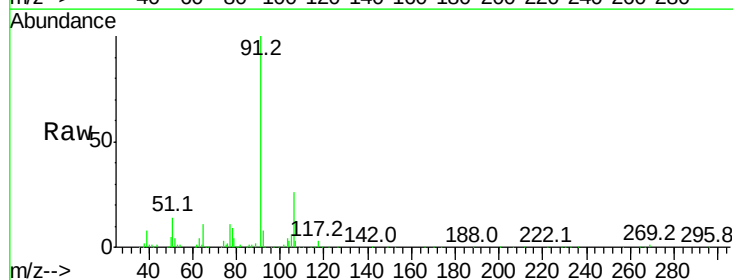
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

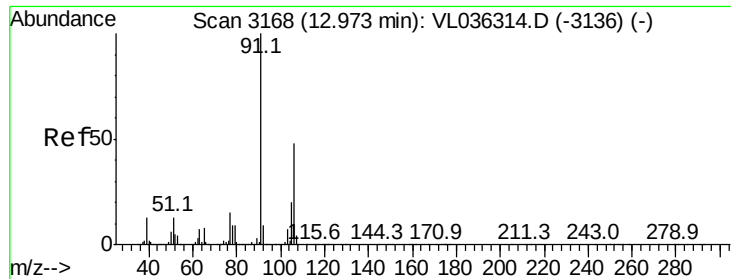
Tgt Ion: 112 Resp: 138205
Ion Ratio Lower Upper
112 100
77 70.6 56.1 84.1
114 30.9 28.3 34.5



#58
Ethyl Benzene
Concen: 0.452 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion: 91 Resp: 209557
Ion Ratio Lower Upper
91 100
106 25.8 23.8 35.6

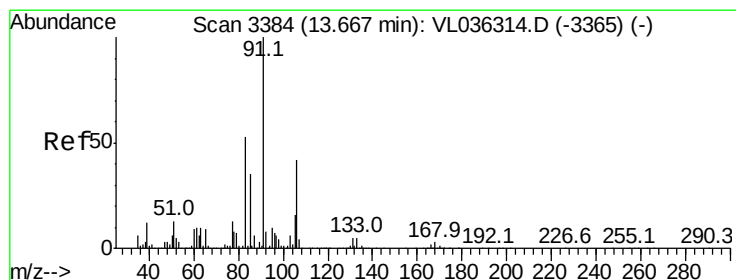
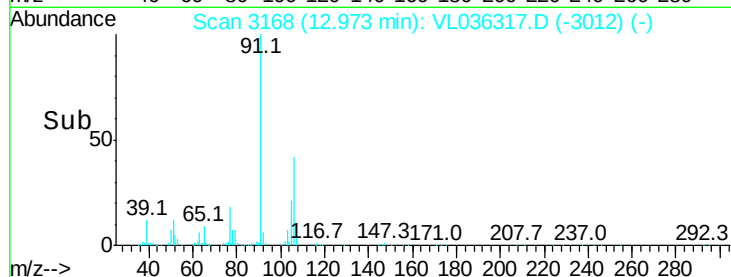
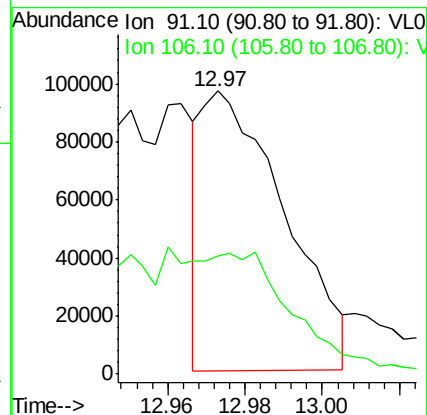
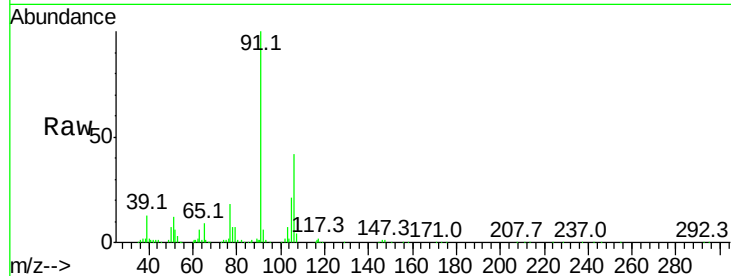




#59
m/p-Xylene
Concen: 0.358 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

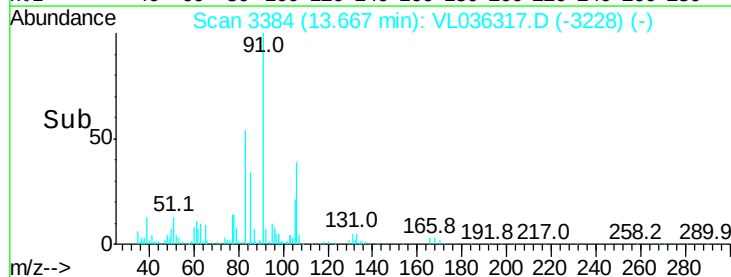
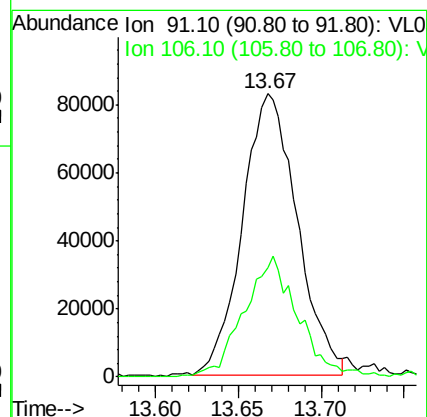
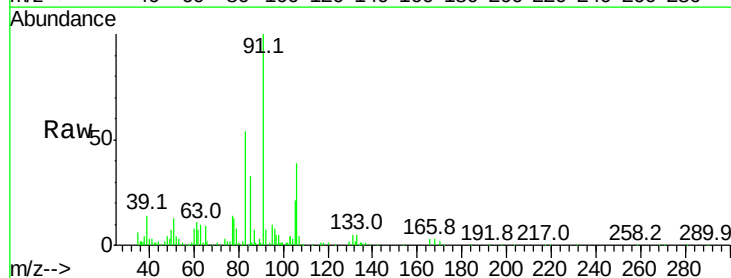
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

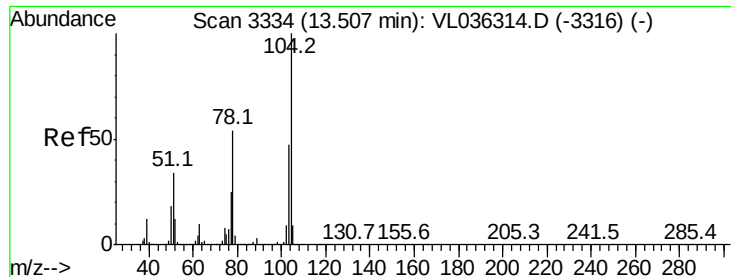
Tgt Ion: 91 Resp: 142671
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#



#60
o-Xylene
Concen: 0.495 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion: 91 Resp: 190059
Ion Ratio Lower Upper
91 100
106 42.4 22.0 66.0





#61

Styrene

Concen: 0.176 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

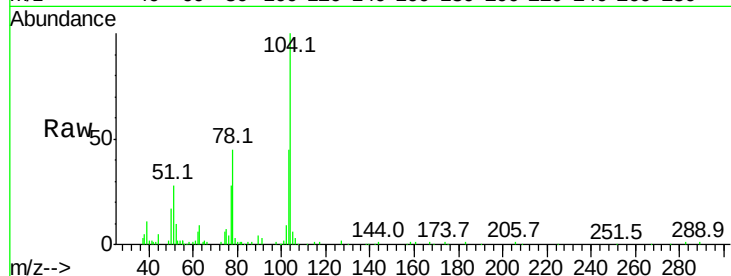
Tgt Ion:104 Resp: 42537

Ion Ratio Lower Upper

104 100

78 0.0 46.2 69.2#

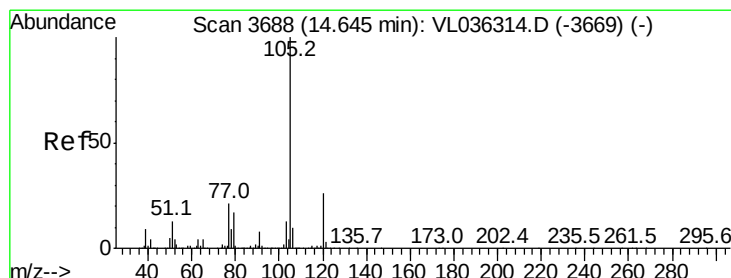
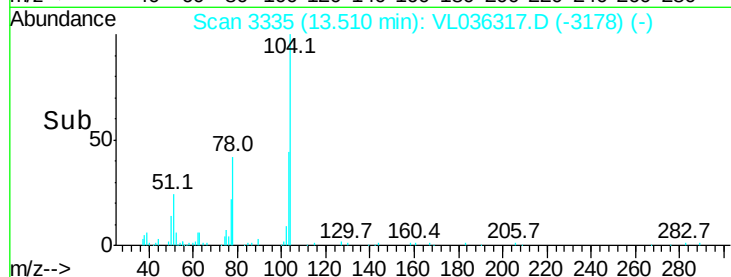
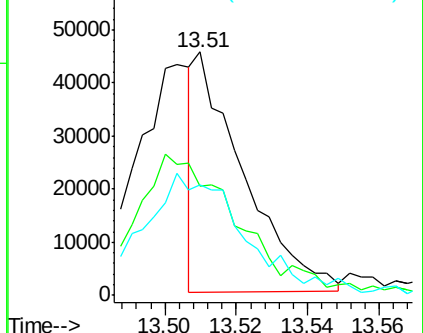
103 0.0 38.3 57.5#



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: 0.508 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VL036317.D

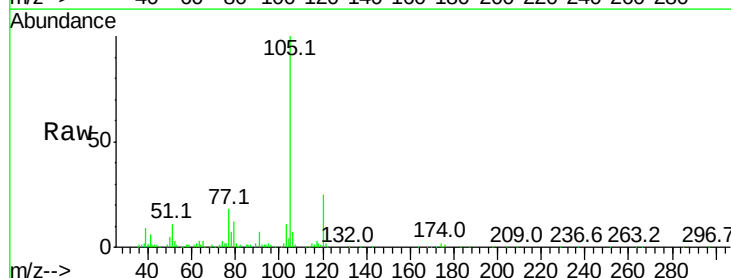
Acq: 10 Feb 2021 13:24

Tgt Ion:105 Resp: 289629

Ion Ratio Lower Upper

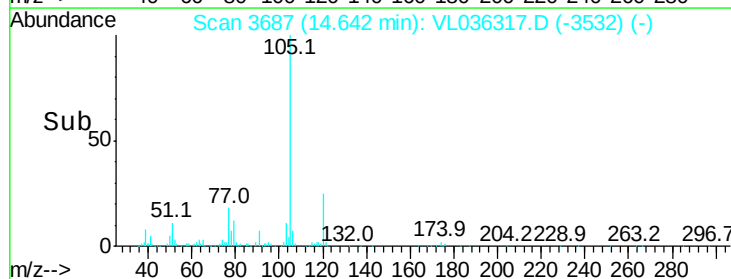
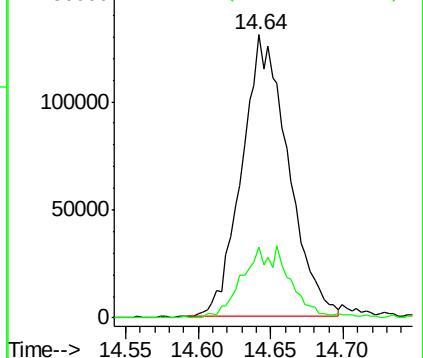
105 100

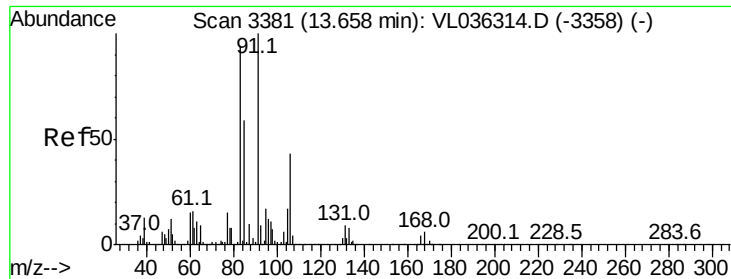
120 25.9 20.6 30.8



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: 0.497 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

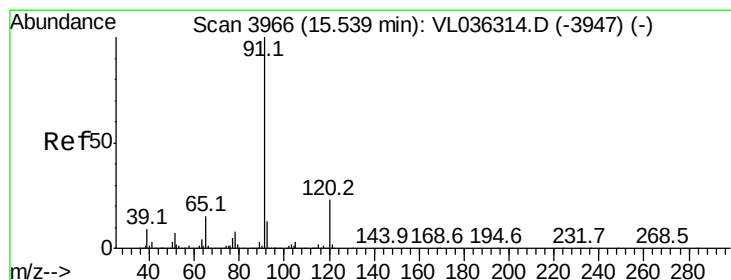
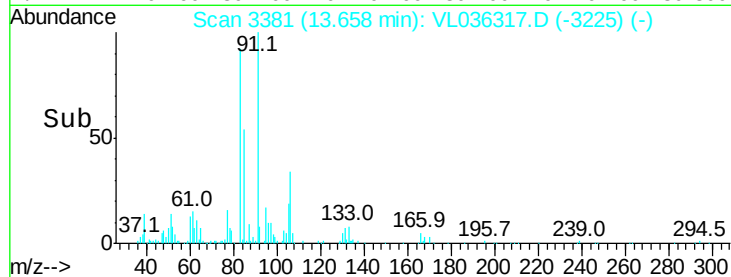
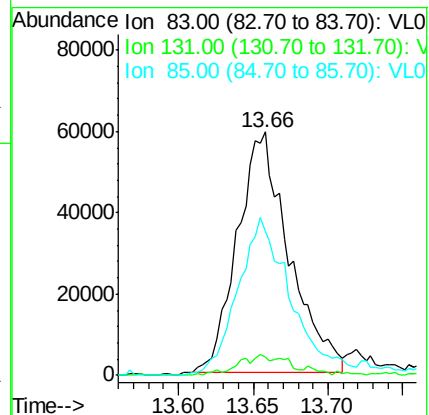
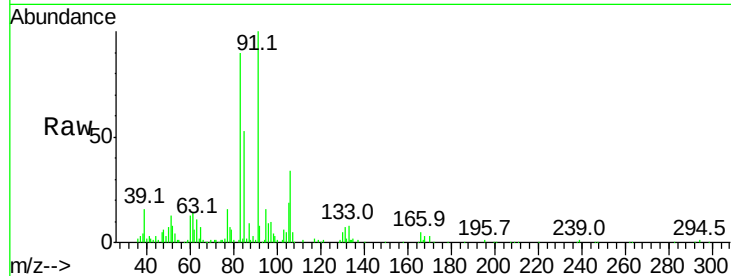
Tgt Ion: 83 Resp: 142036

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.0

85 72.2 33.0 98.9



#64

n-propylbenzene

Concen: 0.483 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. 0.00 min

Lab File: VL036317.D

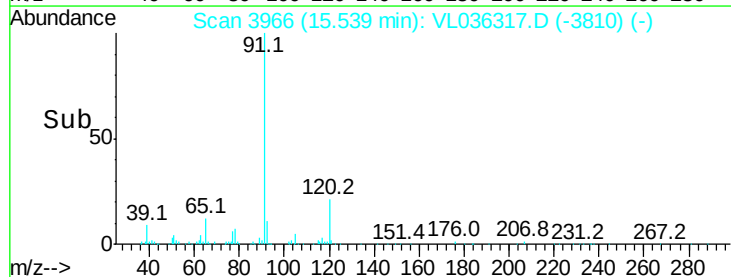
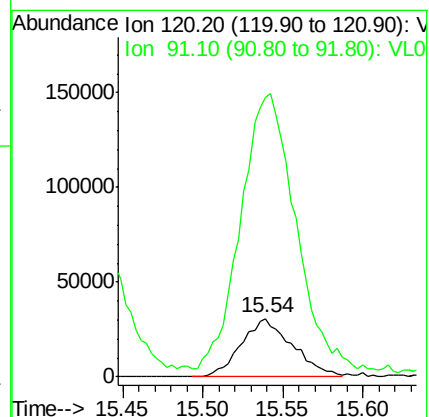
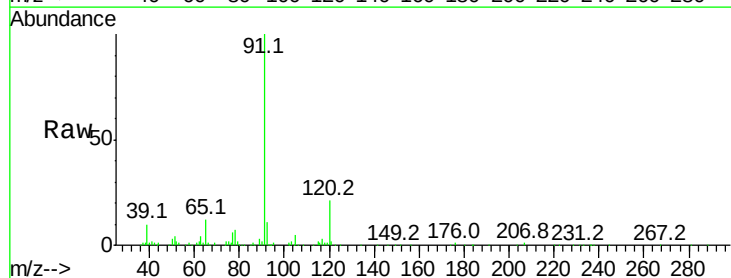
Acq: 10 Feb 2021 13:24

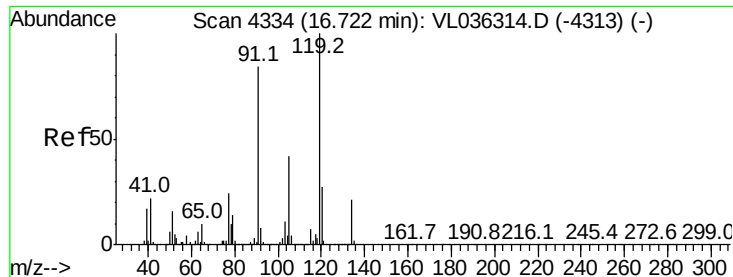
Tgt Ion: 120 Resp: 67727

Ion Ratio Lower Upper

120 100

91 549.6 387.2 580.8

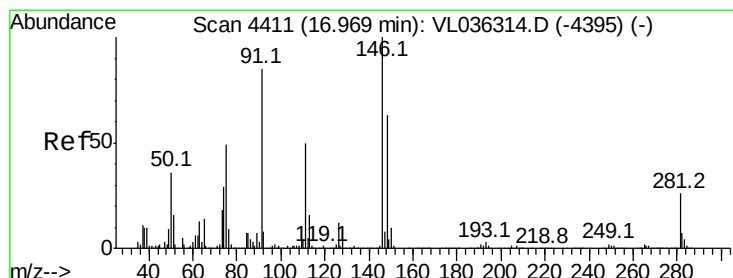
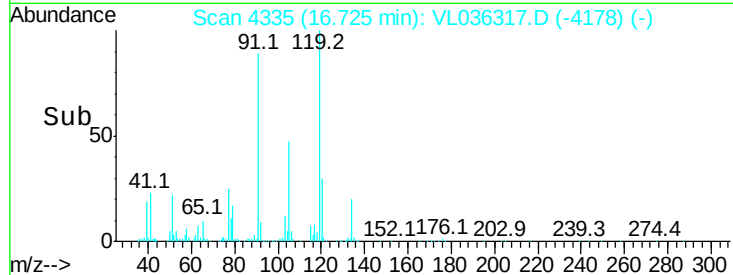
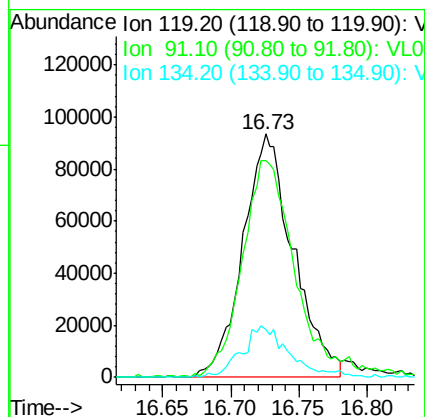
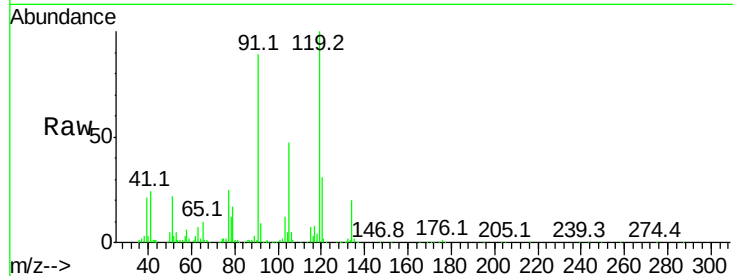




#65
tert-Butylbenzene
Concen: 0.492 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

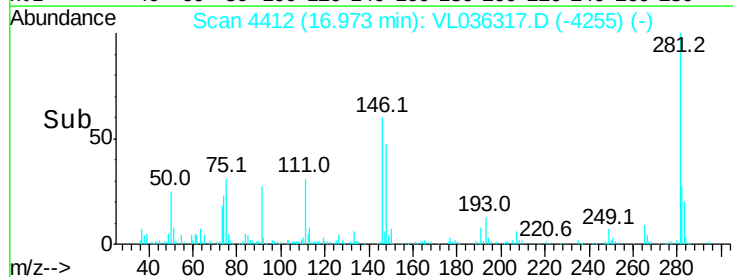
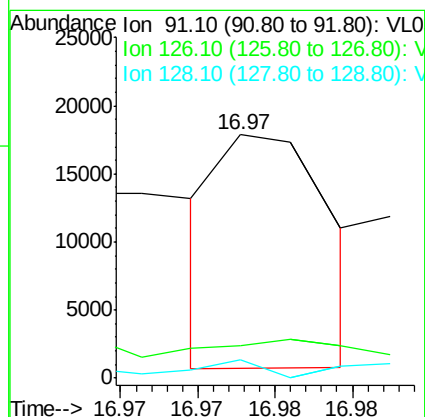
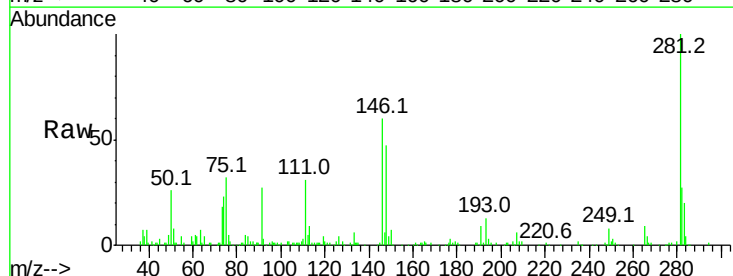
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

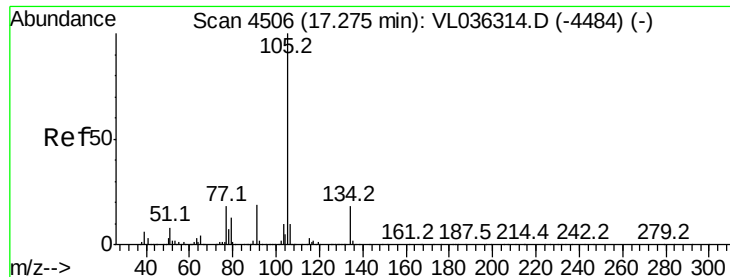
Tgt Ion: 119 Resp: 237829
Ion Ratio Lower Upper
119 100
91 96.7 70.5 105.7
134 20.5 15.8 23.8



#66
Benzyl Chloride
Concen: 0.069 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion: 91 Resp: 8502
Ion Ratio Lower Upper
91 100
126 0.0 12.9 19.3#
128 24.5 4.2 6.2#





#67

sec-Butylbenzene

Concen: 0.478 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

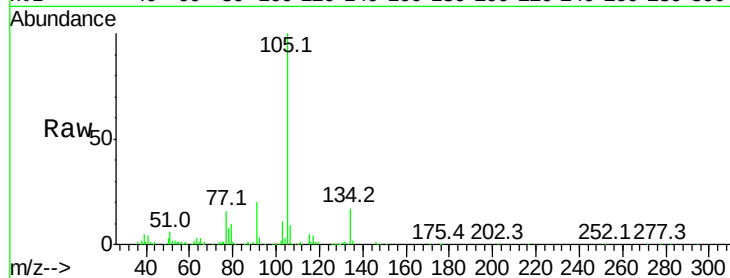
VSTDIC0.5

Tgt Ion: 105 Resp: 342821

Ion Ratio Lower Upper

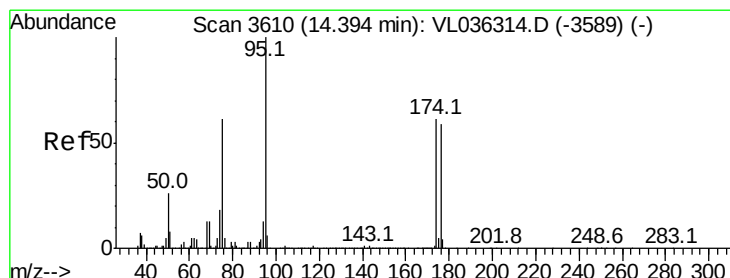
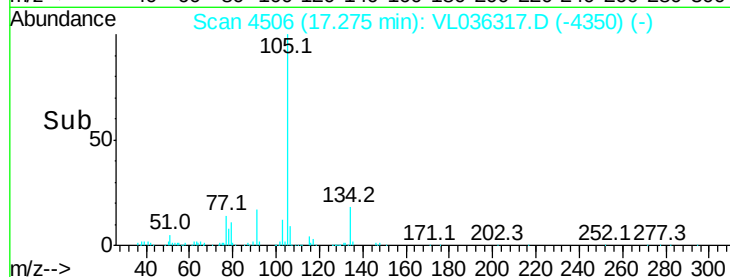
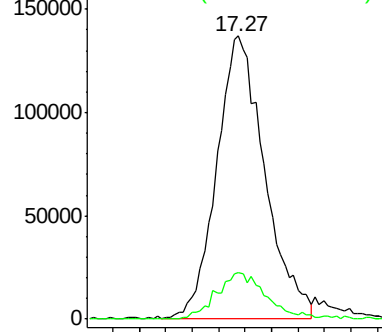
105 100

134 17.7 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.020 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

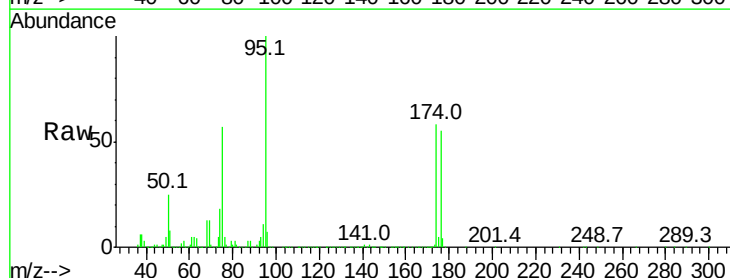
Tgt Ion: 95 Resp: 2589043

Ion Ratio Lower Upper

95 100

174 62.9 49.8 74.6

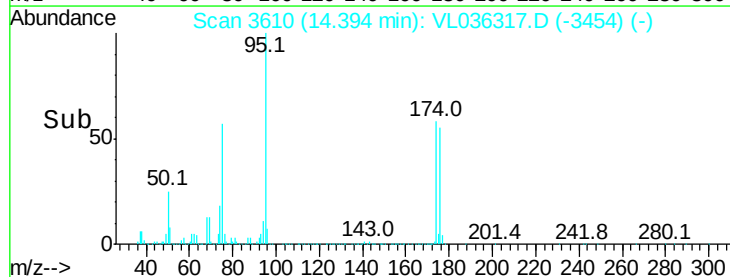
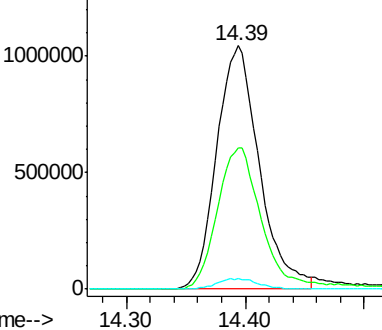
175 4.5 3.7 5.5

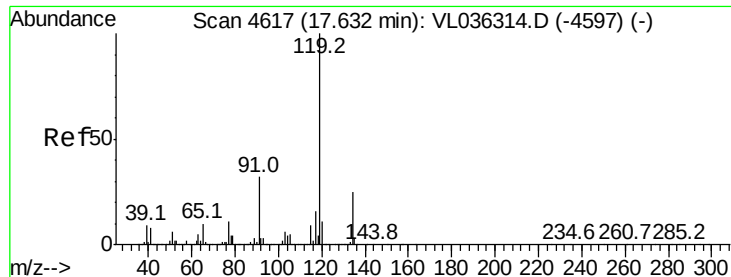


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

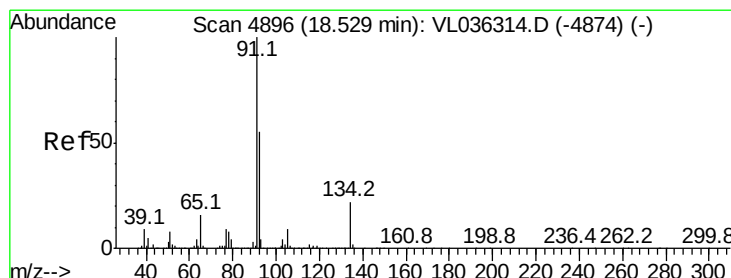
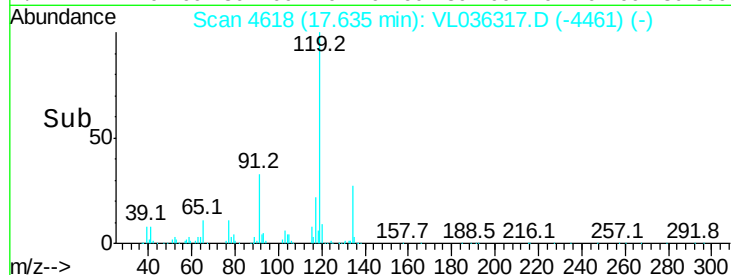
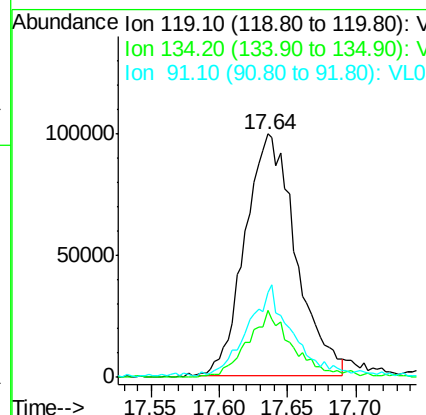
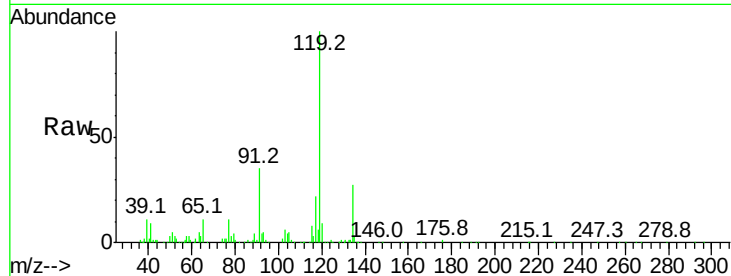




#69
p-Isopropyltoluene
Concen: 0.449 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

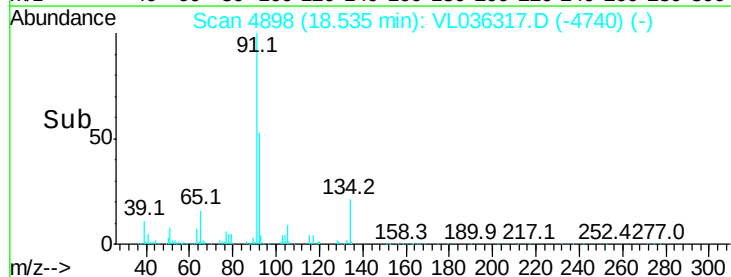
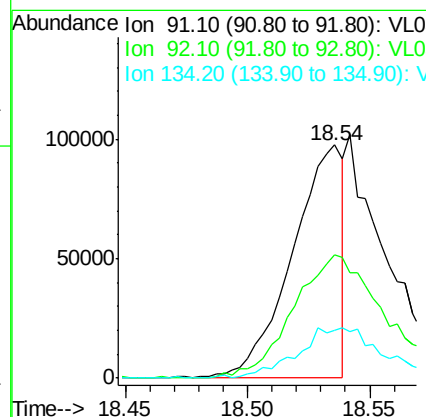
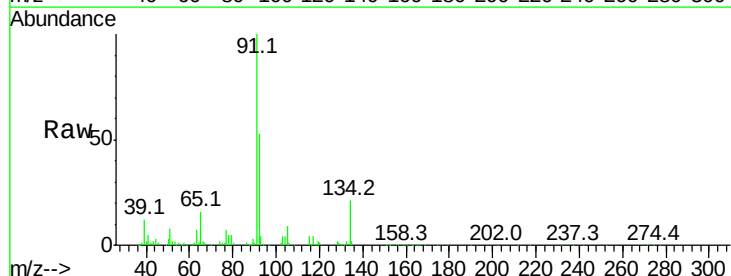
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

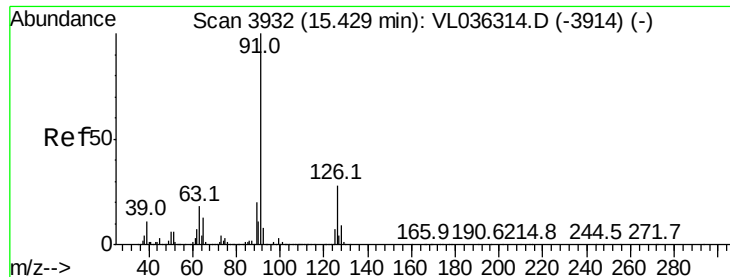
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.1	30.1
91	35.1	25.8	38.6



#70
n-Butylbenzene
Concen: 0.230 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. 0.01 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	104.2	43.7	65.5#
134	0.0	17.4	26.0#





#71

2-Chlorotoluene

Concen: 0.477 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

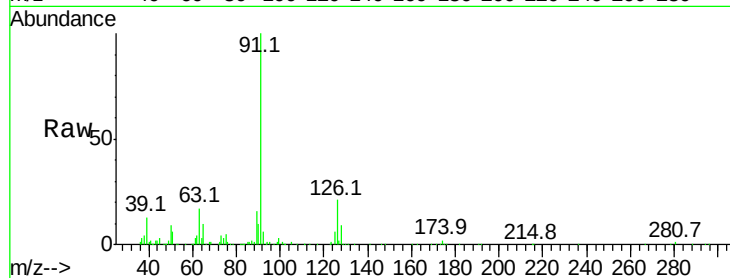
VSTDIC0.5

Tgt Ion: 91 Resp: 213879

Ion Ratio Lower Upper

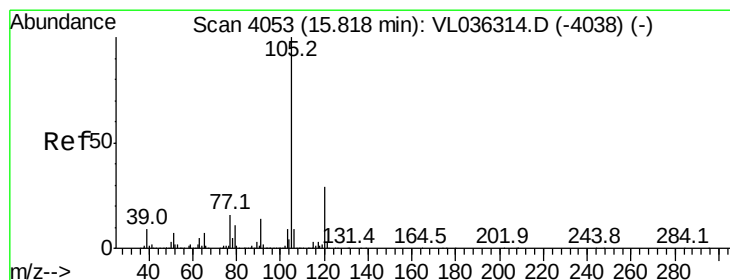
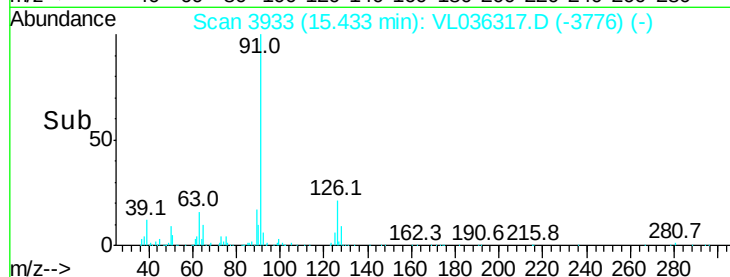
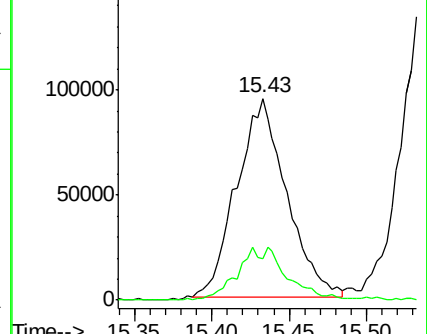
91 100

126 27.2 11.5 46.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.450 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Tgt Ion: 105 Resp: 194787

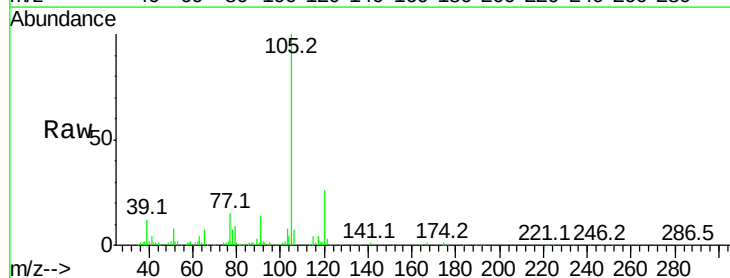
Ion Ratio Lower Upper

105 100

120 28.6 23.2 34.8

91 13.7 11.0 16.4

77 17.9 12.2 18.4

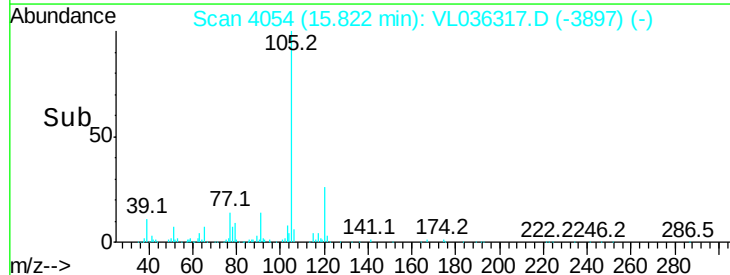
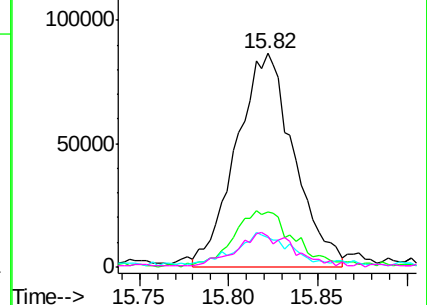


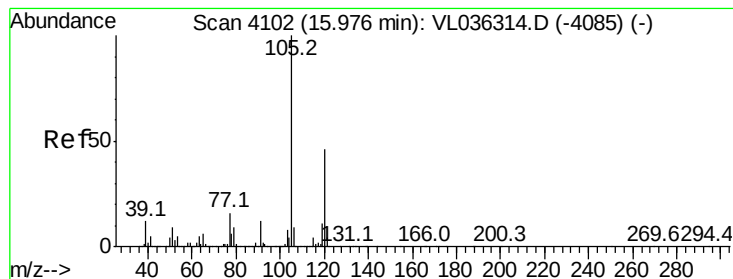
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.446 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

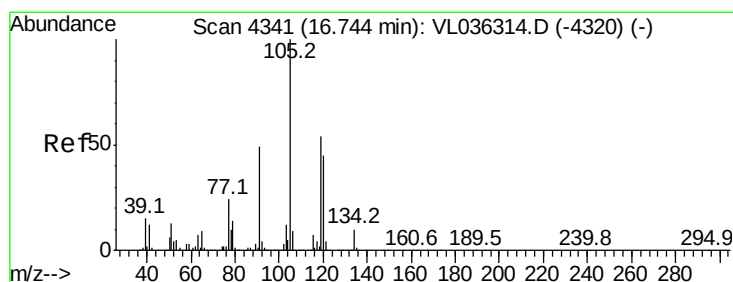
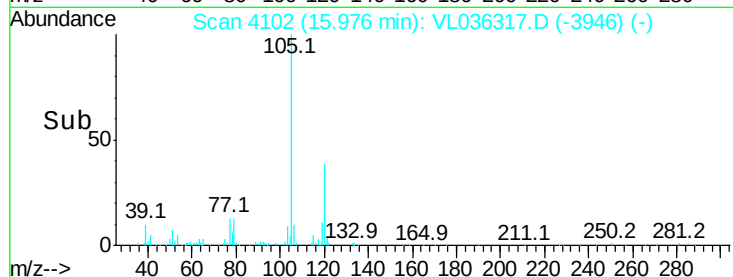
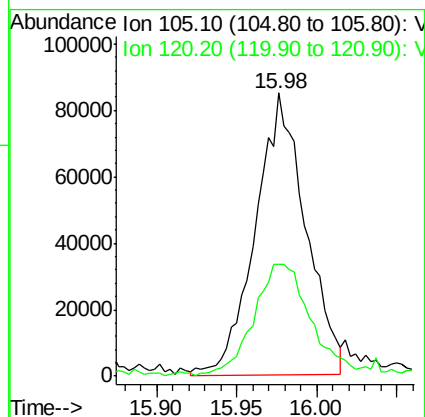
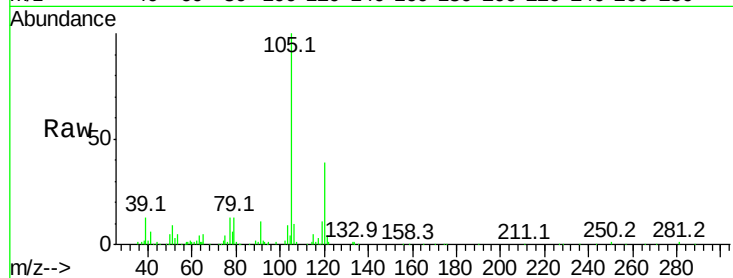
VSTDIC0.5

Tgt Ion:105 Resp: 184191

Ion Ratio Lower Upper

105 100

120 38.6 36.9 55.3



#74

1,2,4-Trimethylbenzene

Concen: 0.479 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Tgt Ion:105 Resp: 202878

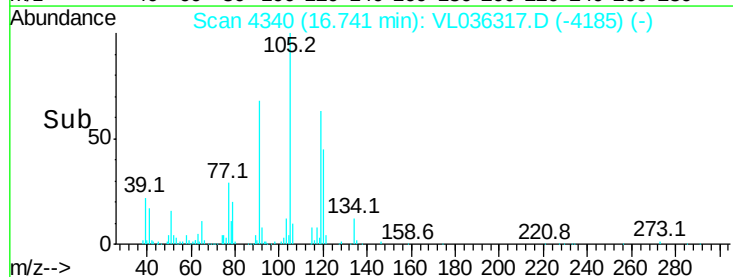
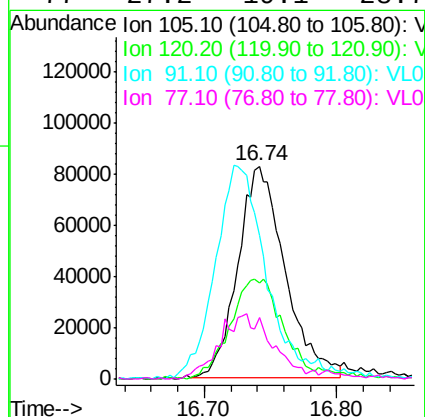
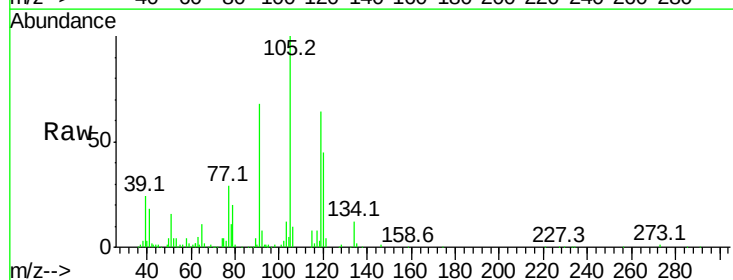
Ion Ratio Lower Upper

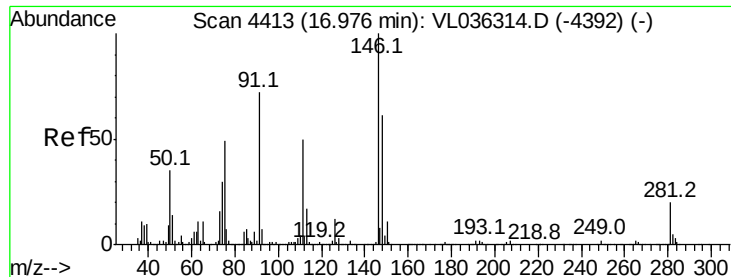
105 100

120 44.9 35.8 53.6

91 64.4 39.8 59.6#

77 27.2 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 0.209 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.01 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

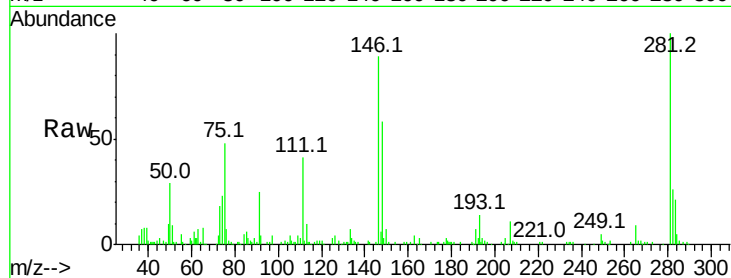
Tgt Ion:146 Resp: 47491

Ion Ratio Lower Upper

146 100

111 129.1 24.9 74.6#

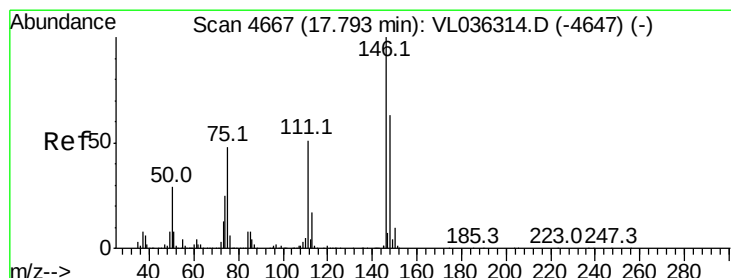
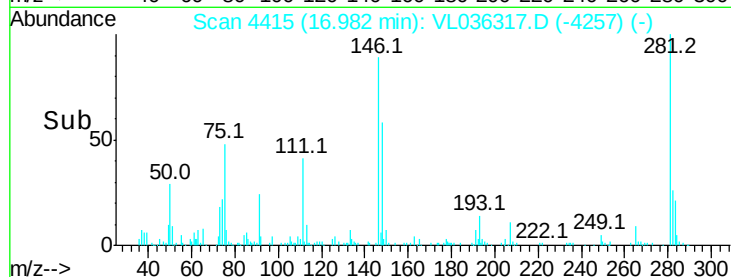
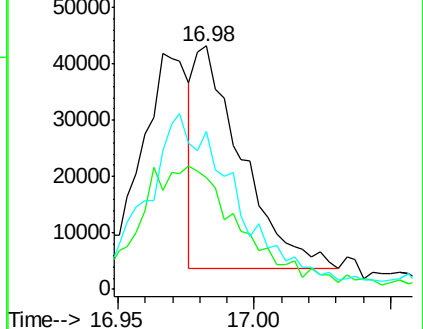
148 160.6 31.9 95.9#



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



#77

1,2-Dichlorobenzene

Concen: 0.224 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL036317.D

Acq: 10 Feb 2021 13:24

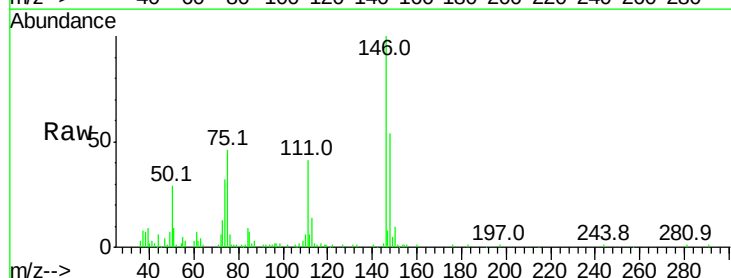
Tgt Ion:146 Resp: 49734

Ion Ratio Lower Upper

146 100

111 0.0 25.9 77.8#

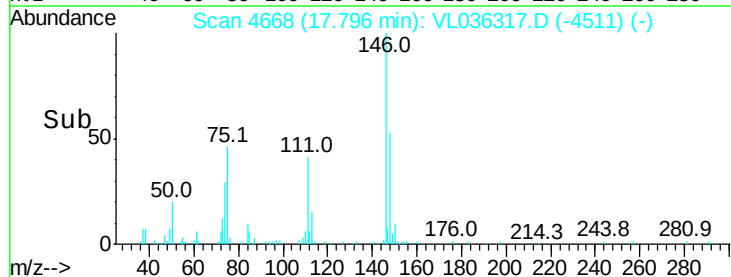
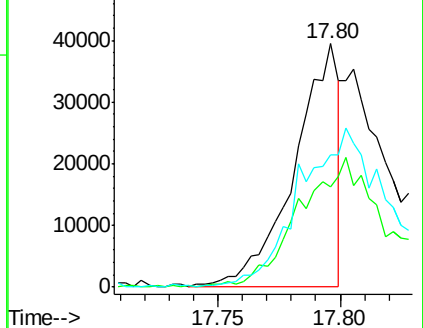
148 0.0 32.5 97.4#

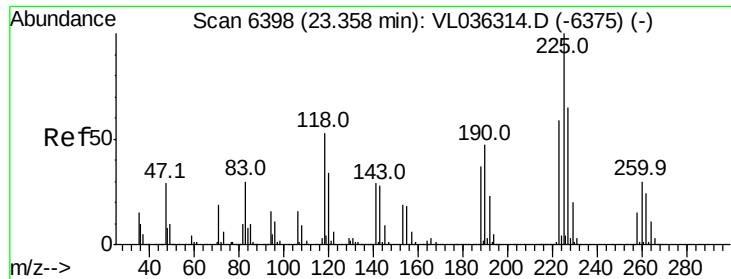


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

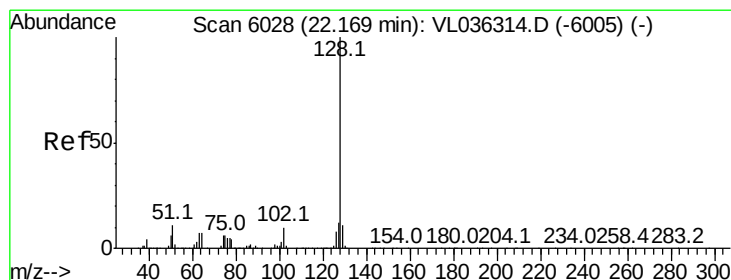
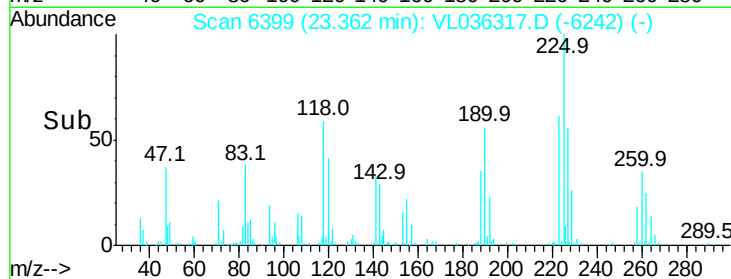
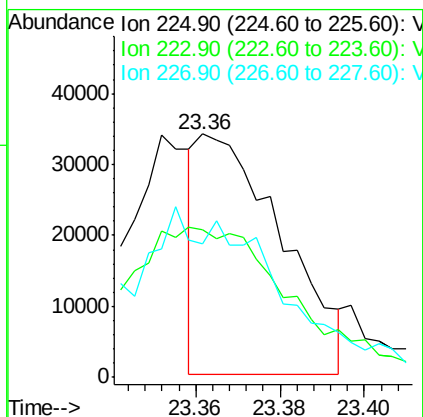
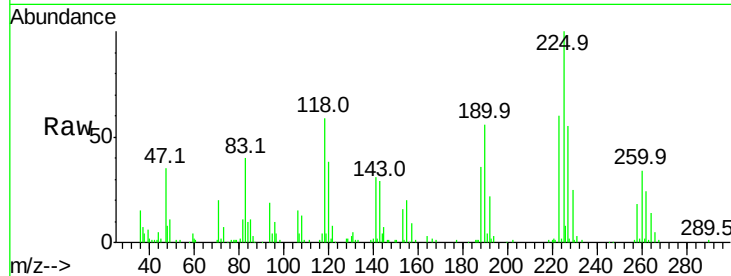




#78
Hexachloro-1,3-Butadiene
Concen: 0.265 ppbv
RT: 23.36 min Scan# 6399
Delta R.T. 0.00 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

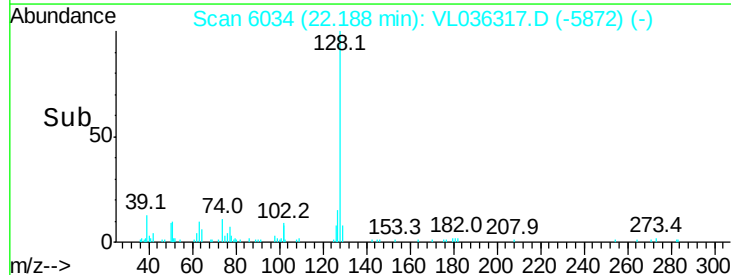
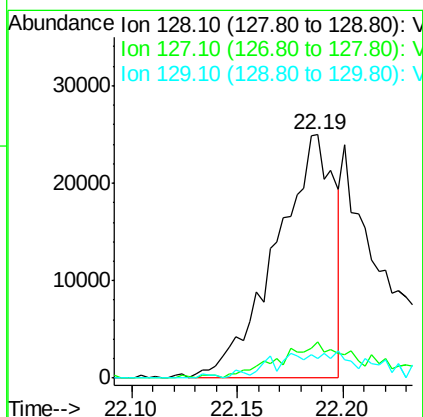
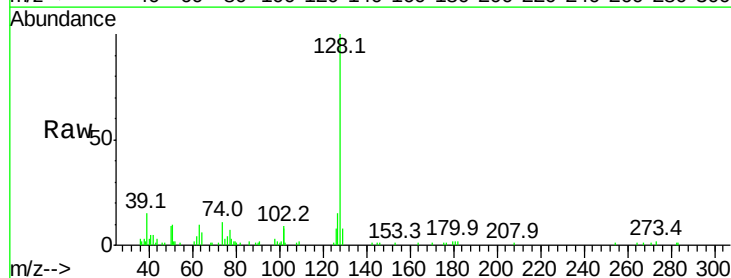
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

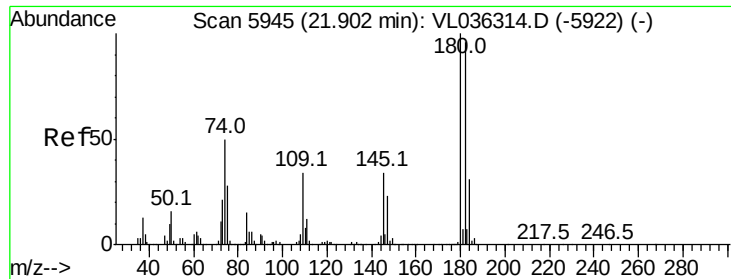
Tgt Ion:225 Resp: 46970
Ion Ratio Lower Upper
225 100
223 137.6 50.8 76.2#
227 133.6 52.2 78.2#



#79
Naphthalene
Concen: 0.194 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. 0.02 min
Lab File: VL036317.D
Acq: 10 Feb 2021 13:24

Tgt Ion:128 Resp: 48025
Ion Ratio Lower Upper
128 100
127 13.8 9.6 14.4
129 7.8 8.5 12.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.203 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.01 min
 Lab File: VL036317.D
 Acq: 10 Feb 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 29308
 Ion Ratio Lower Upper
 180 100
 182 215.0 80.2 120.4#
 184 74.6 25.0 37.6#

