

Data File : VL036316.D

Acq On : 10 Feb 2021 12:42

Operator : SY/AP

Sample : VSTDIC001

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Quant Time: Feb 10 13:53:33 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	1508146	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3344395	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3143752	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2461501	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	261860	1.295	ppbv	94
3) Chlorodifluoromethane	2.97	51	207843	1.122	ppbv	97
4) Chloromethane	3.12	50	103268	1.128	ppbv	90
5) Vinyl Chloride	3.24	62	89122	1.029	ppbv	94
6) Bromomethane	3.45	94	20829	0.430	ppbv	92
7) Chloroethane	3.54	64	33485	1.122	ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	234020	1.195	ppbv	100
9) Propene	2.99	41	84460	0.958	ppbv	97
10) Heptane	8.10	43	222801	1.018	ppbv	100
11) Trichlorofluoromethane	3.93	101	249991	1.216	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	149686	1.201	ppbv	96
13) Ethanol	3.59	45	9515	0.687	ppbv #	1
14) Bromoethene	3.72	108	61096	1.077	ppbv	98
15) Acetone	3.84	43	183050	0.991	ppbv #	77
16) 1,3-Butadiene	3.31	39	93928	1.044	ppbv	100
17) tert-Butyl alcohol	4.27	59	46006	0.302	ppbv #	71
18) 1,1-Dichloroethene	4.27	96	63835	1.105	ppbv	91
19) Isopropyl Alcohol	3.95	45	92739	0.833	ppbv #	88
20) Methylene Chloride	4.32	84	32360	0.549	ppbv	89
21) Allyl Chloride	4.39	41	102523	1.020	ppbv	89
22) trans-1,2-Dichloroethene	4.87	96	63766	1.195	ppbv	95
23) Vinyl Acetate	5.05	43	115123	0.514	ppbv #	95
24) 1,1-Dichloroethane	4.99	63	174934	1.079	ppbv	98
25) Ethyl Acetate	5.66	43	384575	1.037	ppbv	99
26) Hexane	5.67	57	156467	1.013	ppbv	95
27) Carbon Disulfide	4.53	76	63006	0.510	ppbv #	57
28) Methyl tert-Butyl Ether	5.02	73	197607	0.946	ppbv	97
29) Chloroform	5.73	83	249223	1.127	ppbv	94
30) Cyclohexane	7.11	84	121581	1.031	ppbv	89
31) cis-1,2-Dichloroethene	5.53	61	146536	0.993	ppbv	95
32) 1,1,1-Trichloroethane	6.48	97	119433	0.559	ppbv #	17
34) 2-Butanone	5.23	43	210117	0.853	ppbv	92
35) Carbon Tetrachloride	6.99	117	110799	0.524	ppbv	89
36) Benzene	6.87	78	314556	1.026	ppbv #	93
37) 1,2-Dichloroethane	6.28	62	186420	1.011	ppbv	98
38) Trichloroethene	7.81	130	108176	0.953	ppbv	94
39) 1,2-Dichloropropane	7.59	63	126864	1.020	ppbv	97
40) 1,4-Dioxane	7.82	88	12073	0.268	ppbv #	23
41) Tetrahydrofuran	6.04	42	102243	0.718	ppbv #	86
42) Bromodichloromethane	7.76	83	254461	1.098	ppbv	94
43) Methyl Methacrylate	7.99	69	60961	0.468	ppbv #	1

Data File : VL036316.D
Acq On : 10 Feb 2021 12:42
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Feb 10 13:53:33 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

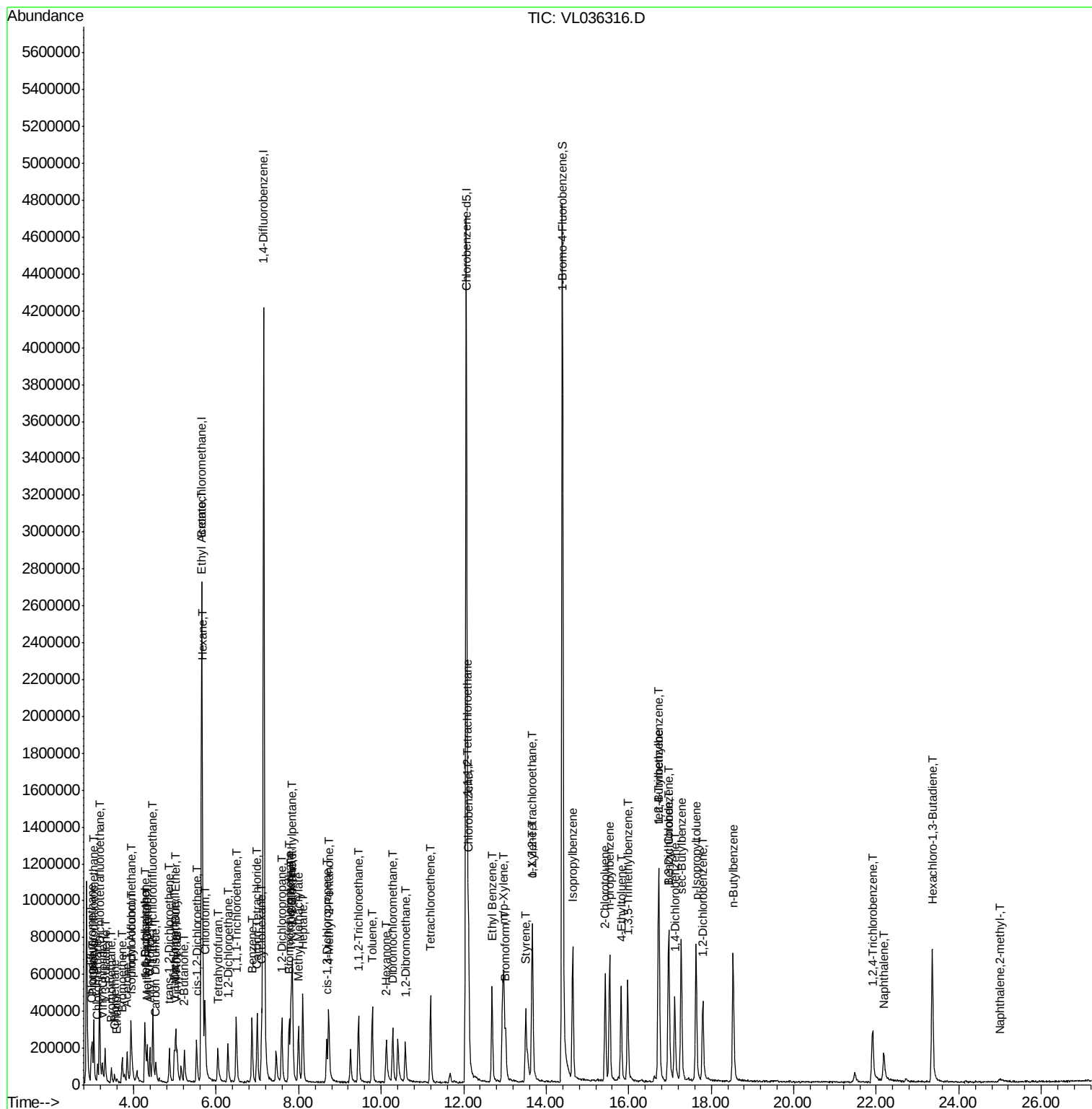
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	592972	1.054	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	143593	0.903	ppbv	89
47) 1,1,2-Trichloroethane	9.45	97	58686	0.493	ppbv	93
48) Dibromochloromethane	10.28	129	83375	0.479	ppbv #	1
49) Bromoform	13.02	173	137189	0.944	ppbv	94
50) 4-Methyl-2-Pentanone	8.73	43	333070	0.907	ppbv	98
51) 2-Hexanone	10.13	43	234966	0.811	ppbv #	99
52) Tetrachloroethene	11.20	164	108901	0.964	ppbv #	86
53) Toluene	9.78	91	332372	0.970	ppbv	99
54) 1,2-Dibromoethane	10.59	107	173801	0.985	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.10	131	157405	1.122	ppbv #	1
57) Chlorobenzene	12.12	112	260370	1.056	ppbv	97
58) Ethyl Benzene	12.69	91	227250	0.487	ppbv	99
59) m/p-Xylene	12.97	91	389465	0.972	ppbv #	27
60) o-Xylene	13.67	91	414970	1.074	ppbv	100
61) Styrene	13.51	104	226304	0.927	ppbv	99
62) Isopropylbenzene	14.65	105	620500	1.080	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.65	83	299214	1.040	ppbv	97
64) n-propylbenzene	15.54	120	145999	1.034	ppbv	80
65) tert-Butylbenzene	16.73	119	546645	1.123	ppbv	98
66) Benzyl Chloride	16.97	91	92607	0.745	ppbv #	93
67) sec-Butylbenzene	17.27	105	760414	1.052	ppbv	99
69) p-Isopropyltoluene	17.63	119	569845	0.994	ppbv	97
70) n-Butylbenzene	18.53	91	625463	1.024	ppbv	98
71) 2-Chlorotoluene	15.43	91	457906	1.014	ppbv	100
72) 4-Ethyltoluene	15.82	105	186926	0.429	ppbv #	44
73) 1,3,5-Trimethylbenzene	15.98	105	412232	0.992	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	454099	1.065	ppbv #	88
75) 1,3-Dichlorobenzene	16.97	146	232085	1.015	ppbv	96
76) 1,4-Dichlorobenzene	17.11	146	219626	0.972	ppbv	95
77) 1,2-Dichlorobenzene	17.79	146	213370	0.955	ppbv	92
78) Hexachloro-1,3-Butadiene	23.36	225	98472	0.551	ppbv #	12
79) Naphthalene	22.18	128	53224	0.214	ppbv #	74
80) Naphthalene,2-methyl-	25.01	142	15438	0.290	ppbv #	35
81) 1,2,4-Trichlorobenzene	21.91	180	59015	0.406	ppbv #	1

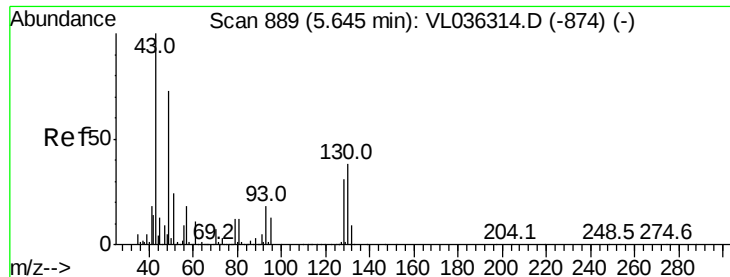
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC001

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

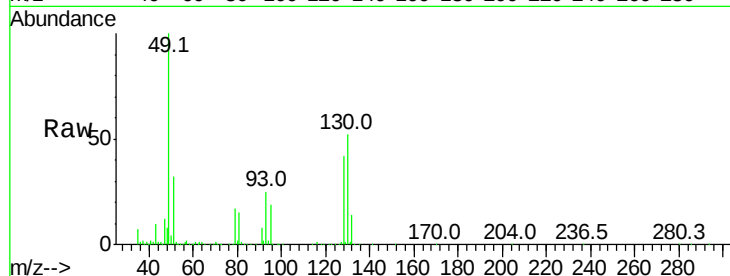
Tgt Ion: 49 Resp: 1508146

Ion Ratio Lower Upper

49 100

128 42.3 20.8 62.5

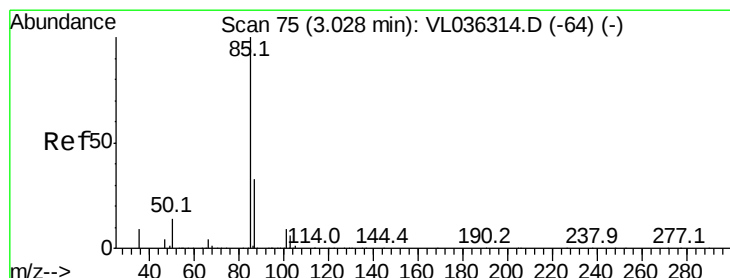
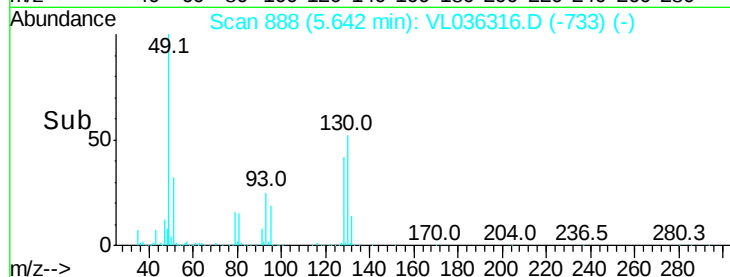
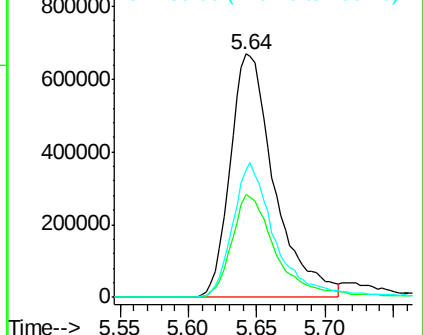
130 54.2 26.7 80.1



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: 1.295 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL036316.D

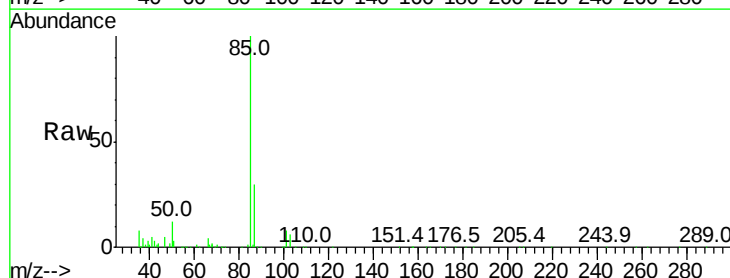
Acq: 10 Feb 2021 12:42

Tgt Ion: 85 Resp: 261860

Ion Ratio Lower Upper

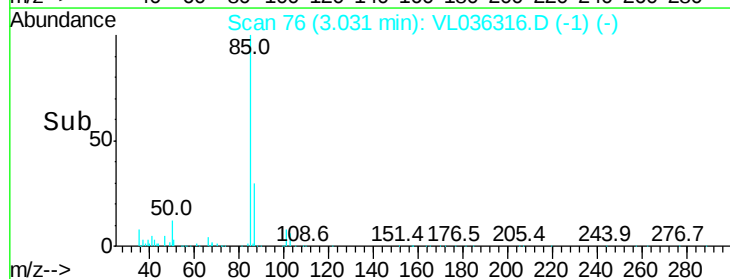
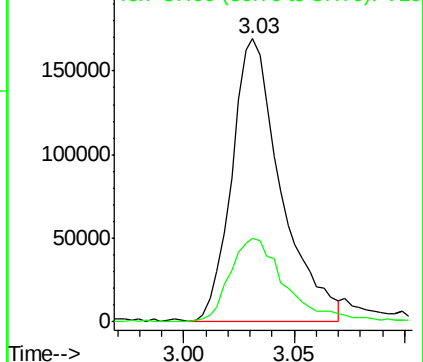
85 100

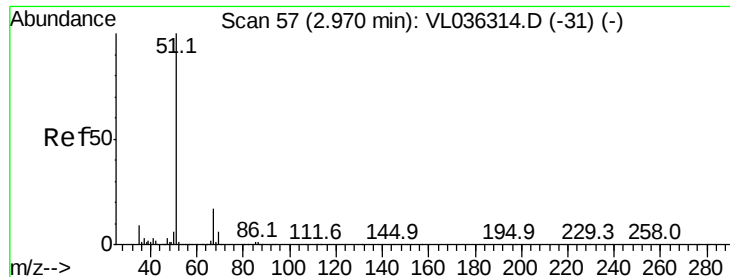
87 29.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.122 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

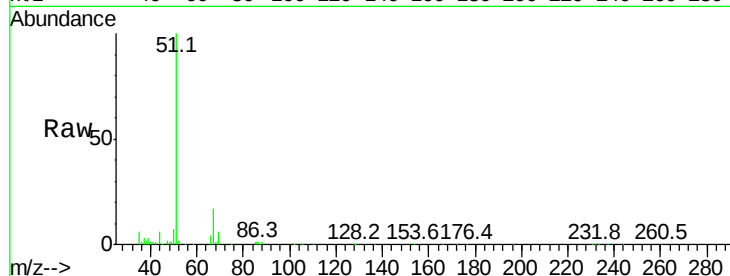
VSTDIC001

Tgt Ion: 51 Resp: 207843

Ion Ratio Lower Upper

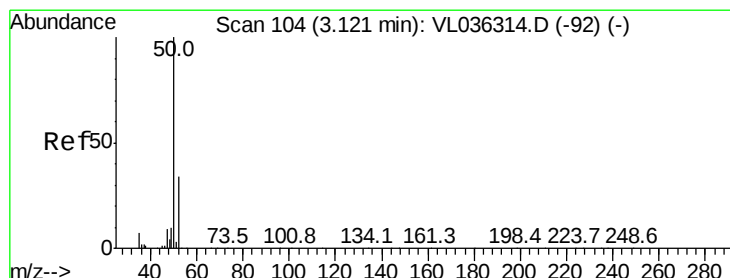
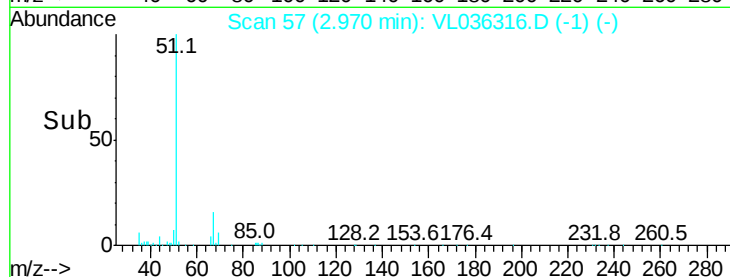
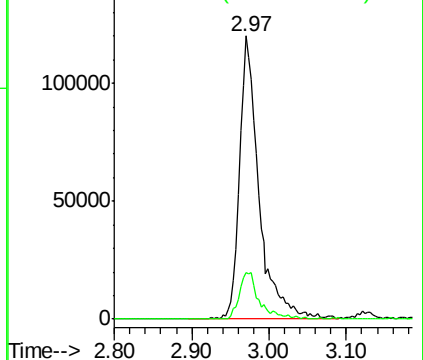
51 100

67 17.2 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.128 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL036316.D

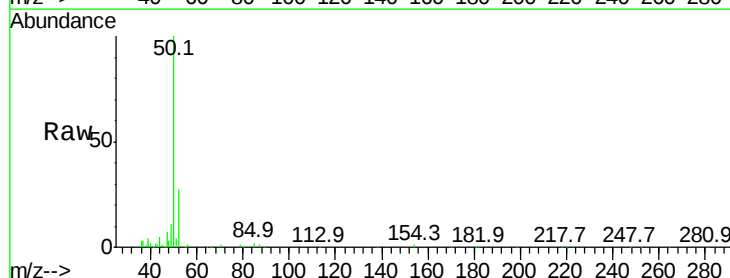
Acq: 10 Feb 2021 12:42

Tgt Ion: 50 Resp: 103268

Ion Ratio Lower Upper

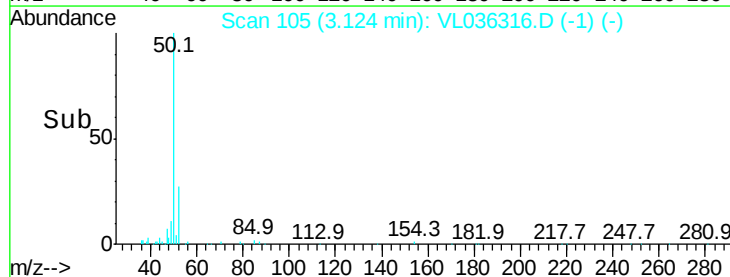
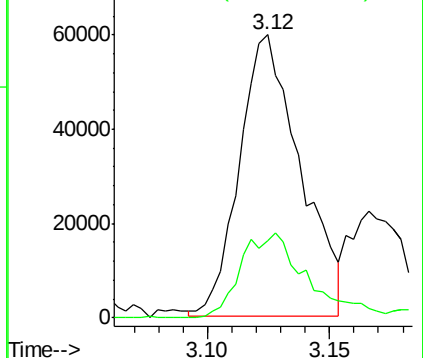
50 100

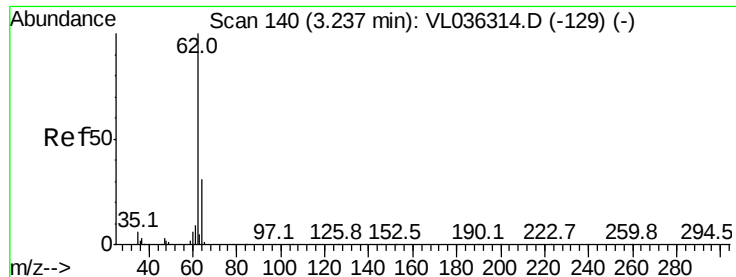
52 28.0 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.029 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

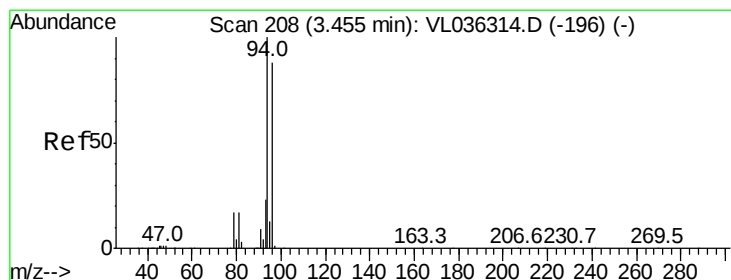
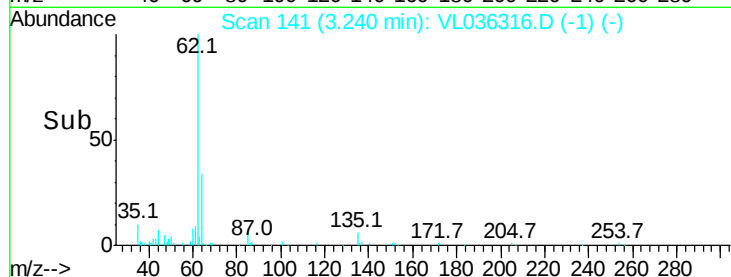
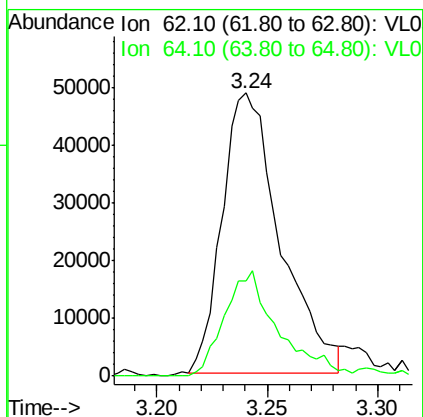
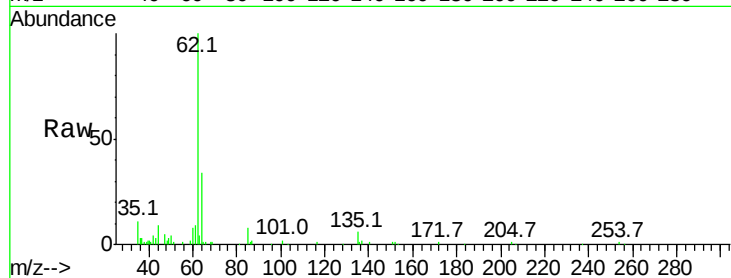
VSTDIC001

Tgt Ion: 62 Resp: 89122

Ion Ratio Lower Upper

62 100

64 34.0 24.4 36.6



#6

Bromomethane

Concen: 0.430 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL036316.D

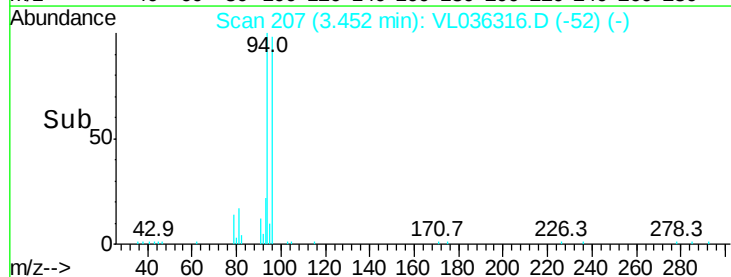
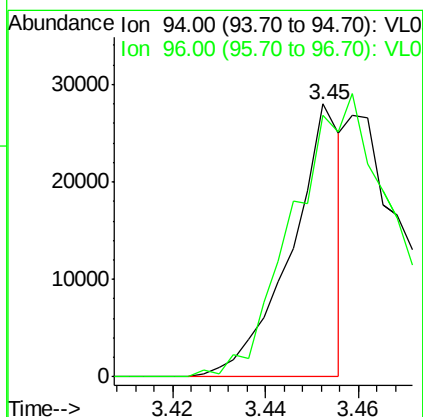
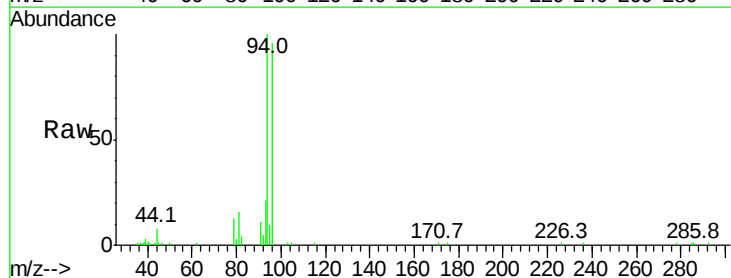
Acq: 10 Feb 2021 12:42

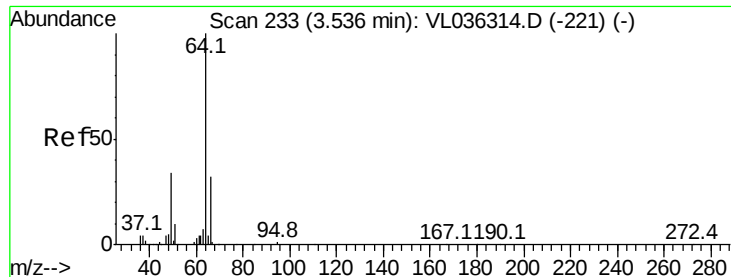
Tgt Ion: 94 Resp: 20829

Ion Ratio Lower Upper

94 100

96 96.1 70.8 106.2





#7

Chloroethane

Concen: 1.122 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

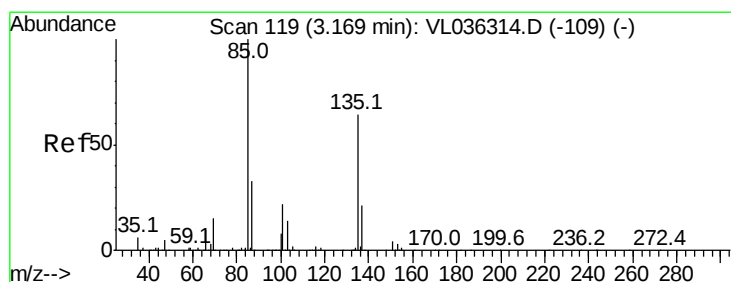
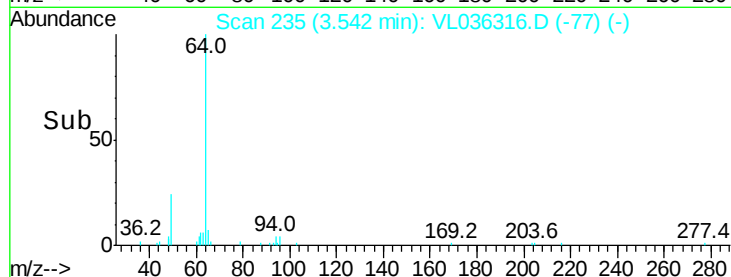
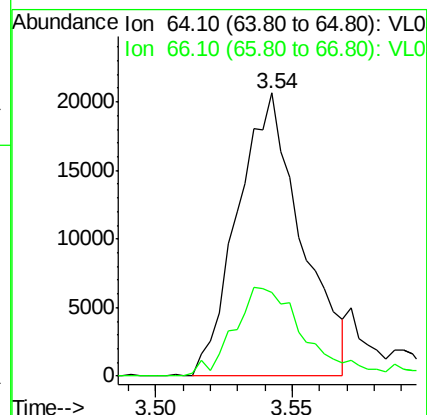
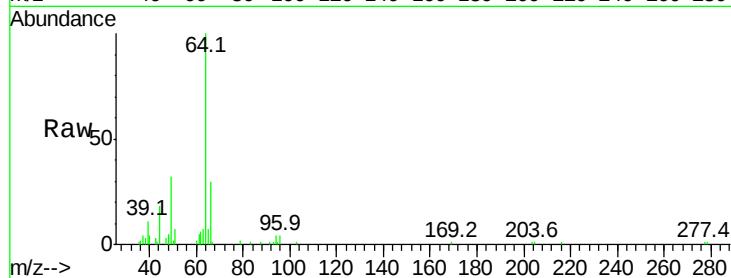
VSTDIC001

Tgt Ion: 64 Resp: 33485

Ion Ratio Lower Upper

64 100

66 29.6 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 1.195 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.00 min

Lab File: VL036316.D

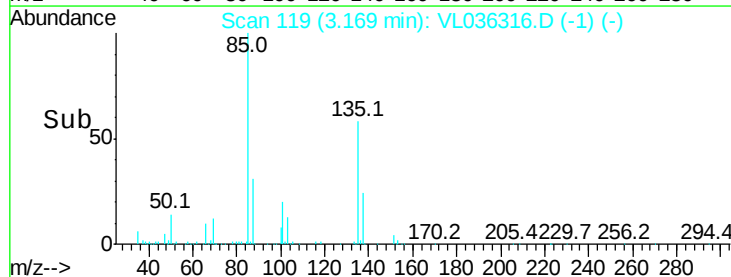
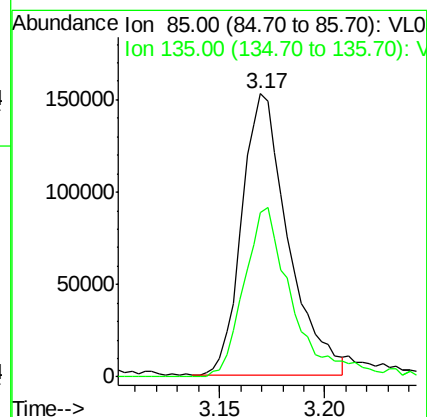
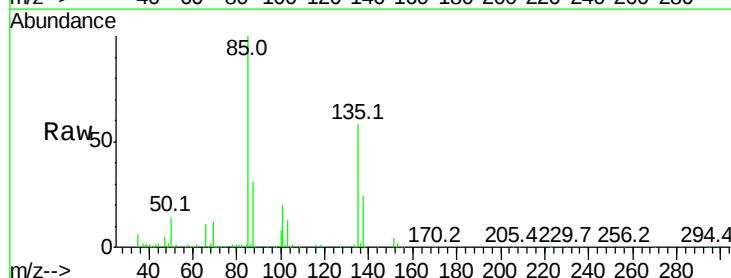
Acq: 10 Feb 2021 12:42

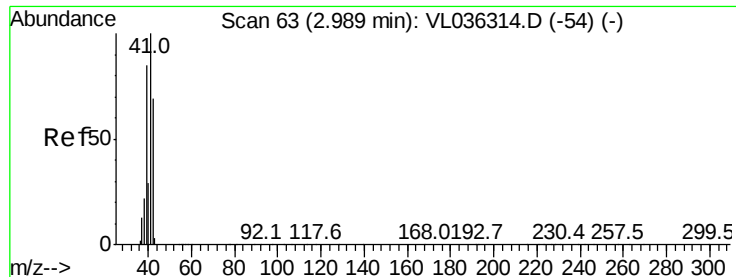
Tgt Ion: 85 Resp: 234020

Ion Ratio Lower Upper

85 100

135 64.2 51.1 76.7





#9

Propene

Concen: 0.958 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

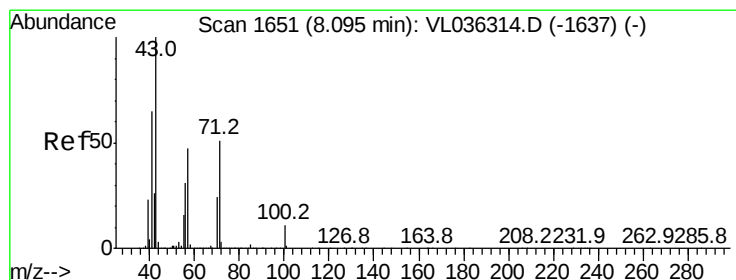
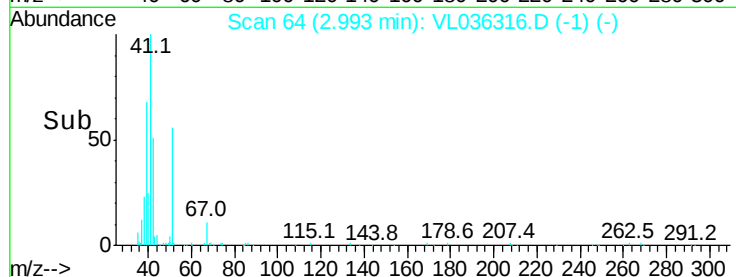
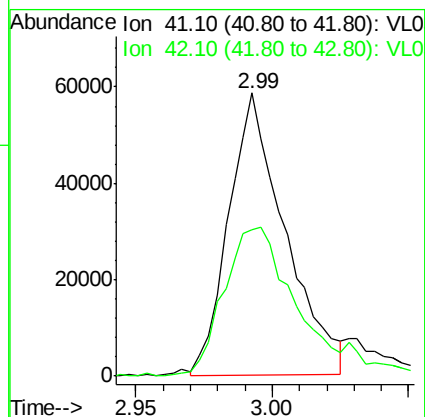
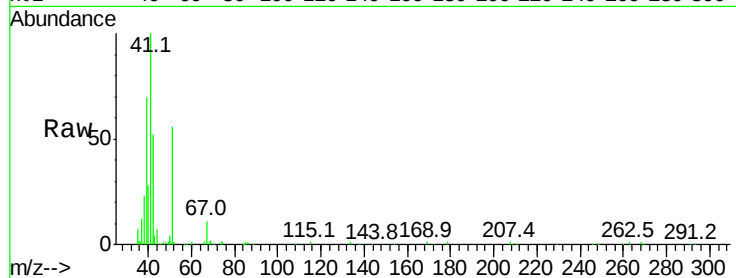
VSTDIC001

Tgt Ion: 41 Resp: 84460

Ion Ratio Lower Upper

41 100

42 72.5 56.2 84.2



#10

Heptane

Concen: 1.018 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL036316.D

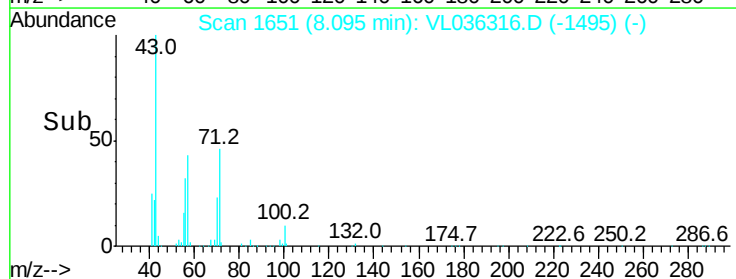
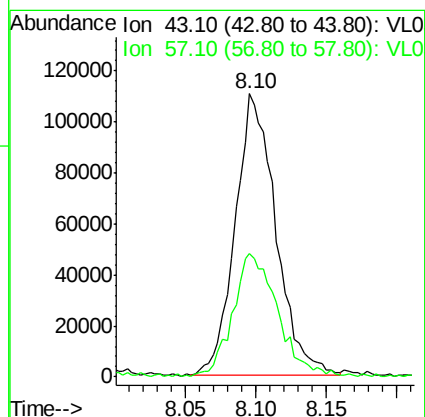
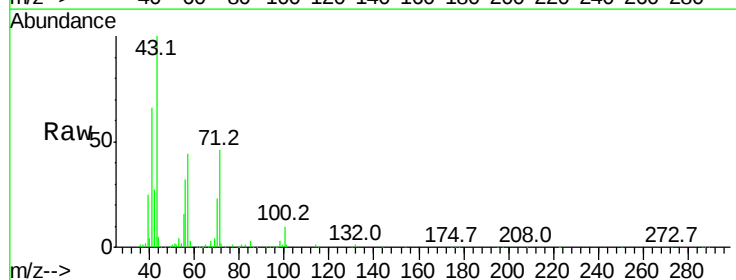
Acq: 10 Feb 2021 12:42

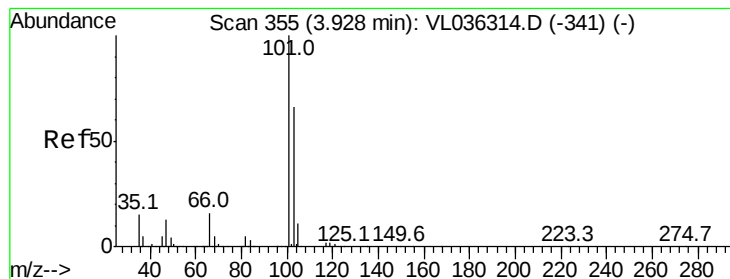
Tgt Ion: 43 Resp: 222801

Ion Ratio Lower Upper

43 100

57 49.3 39.4 59.2





#11

Trichlorofluoromethane

Concen: 1.216 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

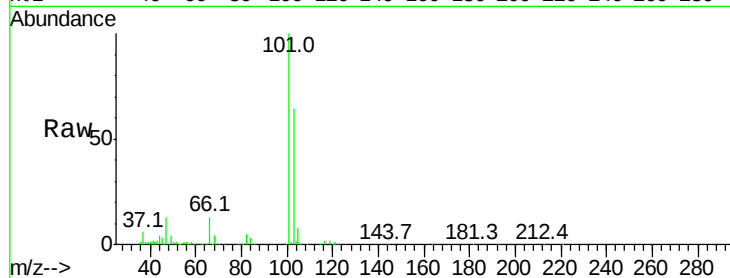
VSTDIC001

Tgt Ion:101 Resp: 249991

Ion Ratio Lower Upper

101 100

103 63.8 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

150000

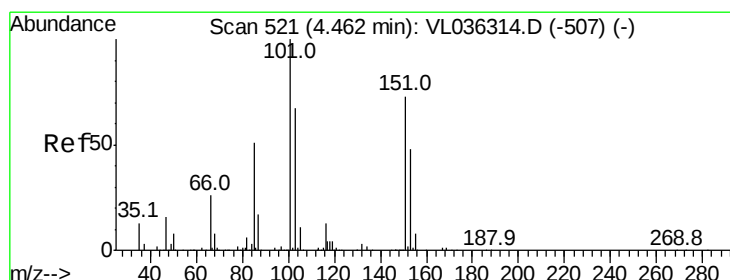
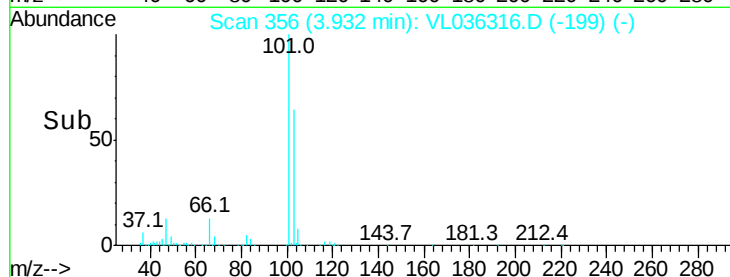
100000

50000

0

3.85 3.90 3.95 4.00

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.201 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.01 min

Lab File: VL036316.D

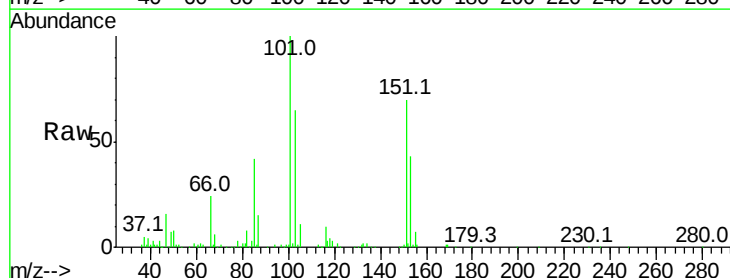
Acq: 10 Feb 2021 12:42

Tgt Ion:101 Resp: 149686

Ion Ratio Lower Upper

101 100

151 76.1 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.47

80000

60000

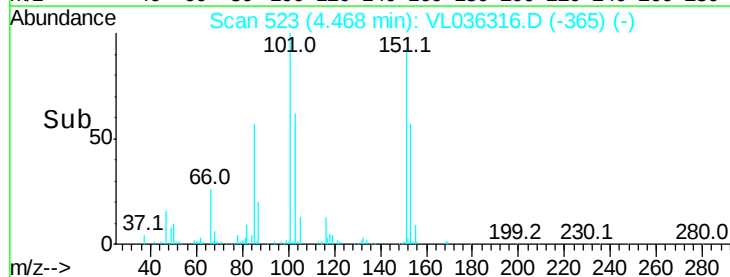
40000

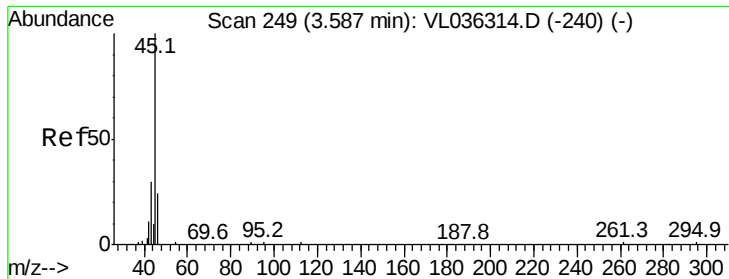
20000

0

4.40 4.45 4.50

Time-->





#13

Ethanol

Concen: 0.687 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

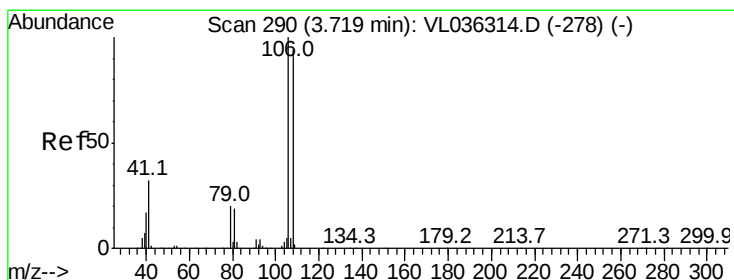
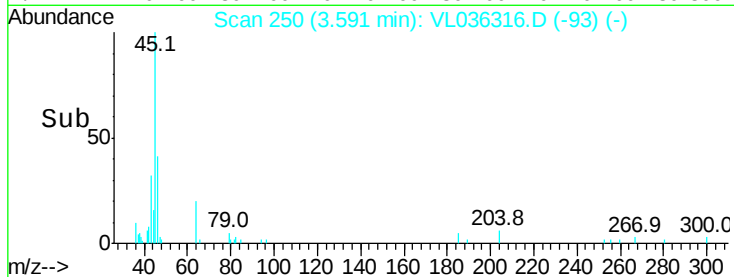
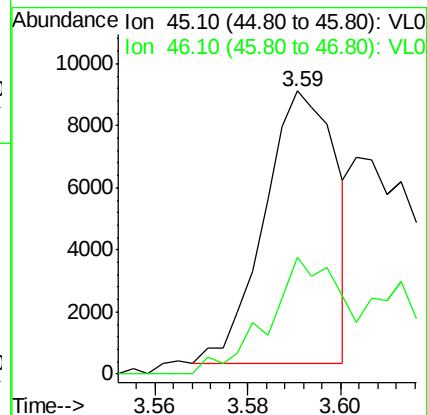
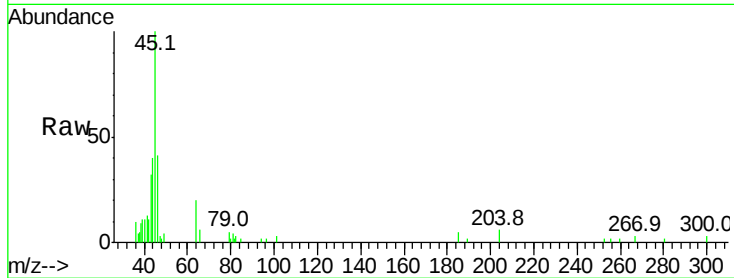
VSTDIC001

Tgt Ion: 45 Resp: 9515

Ion Ratio Lower Upper

45 100

46 114.5 17.7 70.7#



#14

Bromoethene

Concen: 1.077 ppbv

RT: 3.72 min Scan# 291

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

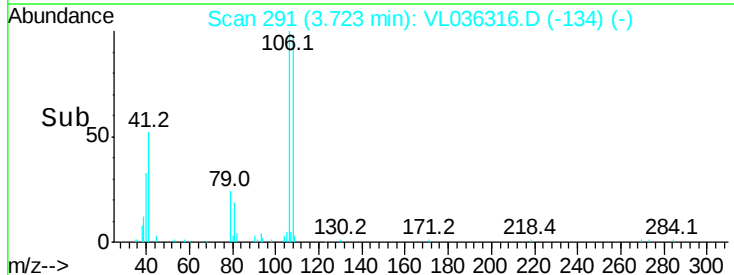
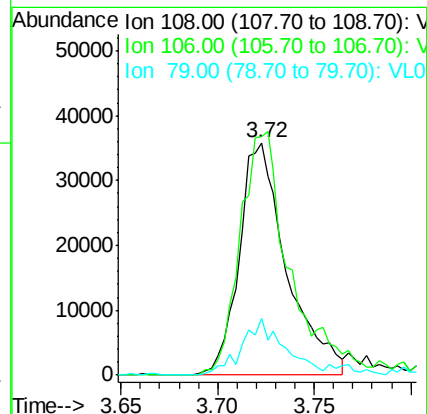
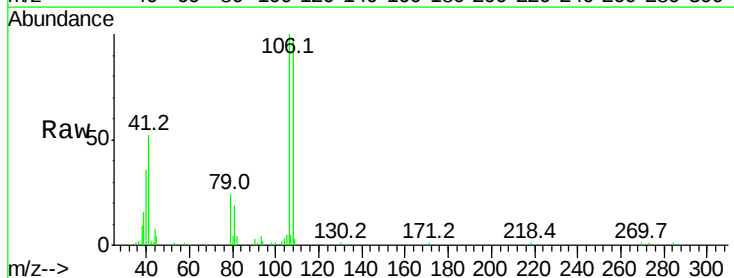
Tgt Ion: 108 Resp: 61096

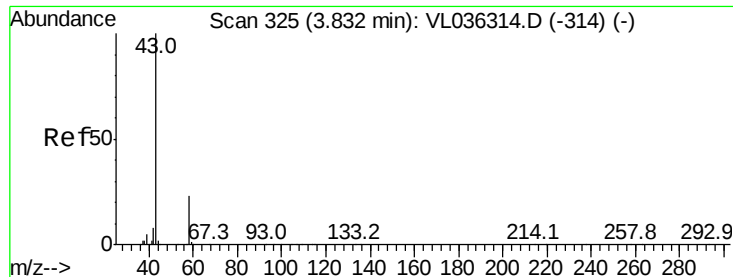
Ion Ratio Lower Upper

108 100

106 111.2 89.8 134.8

79 24.2 17.1 25.7





#15

Acetone

Concen: 0.991 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

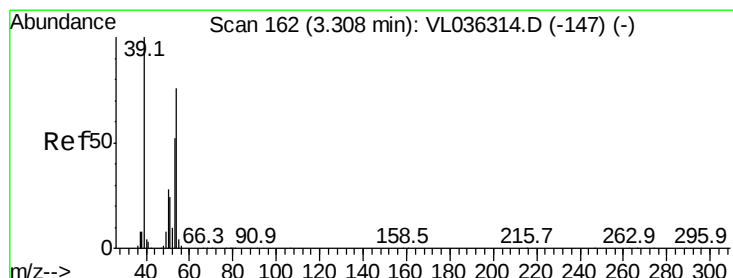
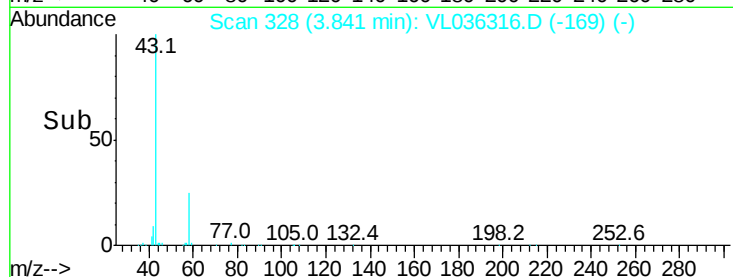
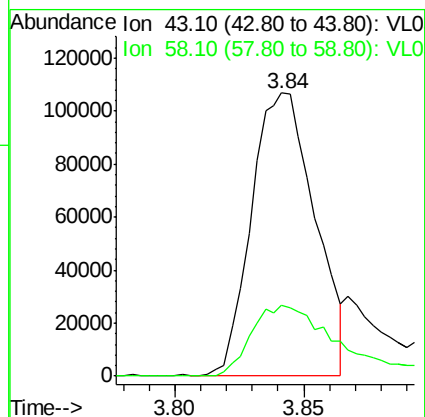
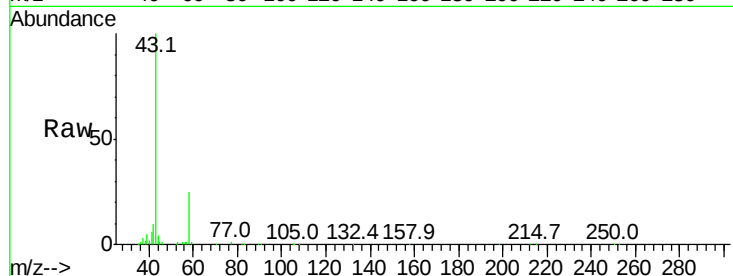
VSTDIC001

Tgt Ion: 43 Resp: 183050

Ion Ratio Lower Upper

43 100

58 36.8 20.3 30.5#



#16

1,3-Butadiene

Concen: 1.044 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.00 min

Lab File: VL036316.D

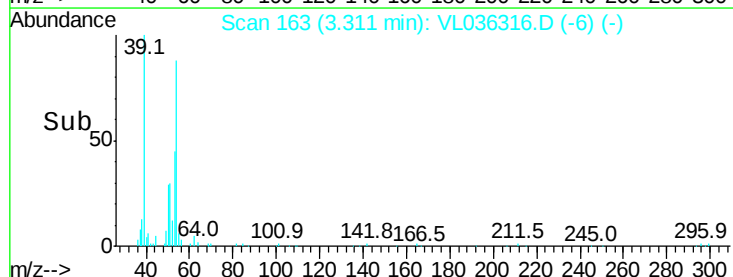
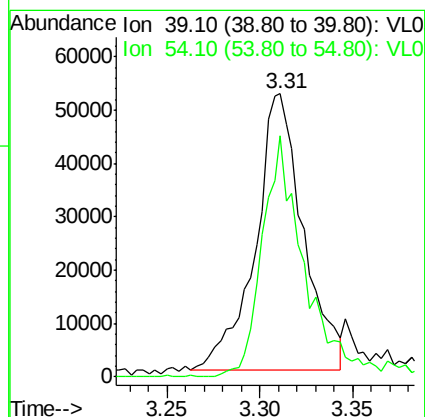
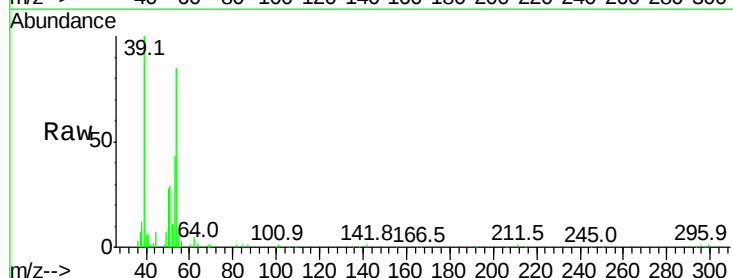
Acq: 10 Feb 2021 12:42

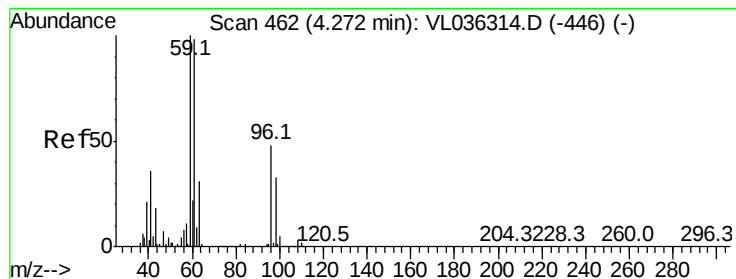
Tgt Ion: 39 Resp: 93928

Ion Ratio Lower Upper

39 100

54 80.7 64.4 96.6





#17

tert-Butyl alcohol

Concen: 0.302 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

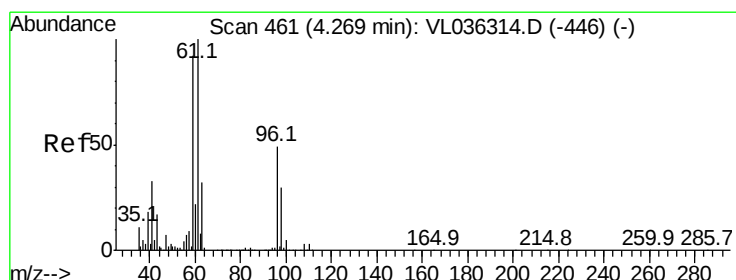
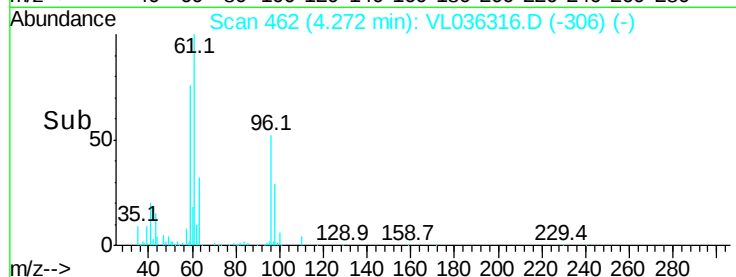
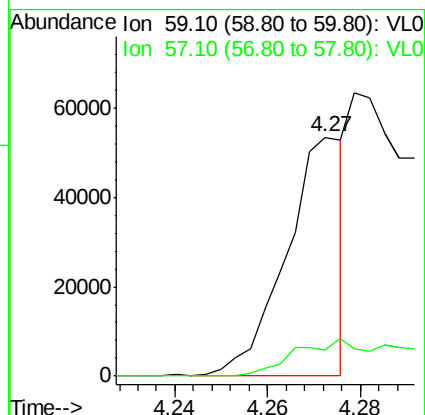
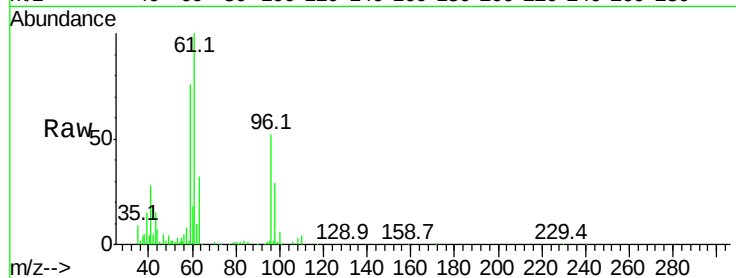
VSTDIC001

Tgt Ion: 59 Resp: 46006

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 1.105 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

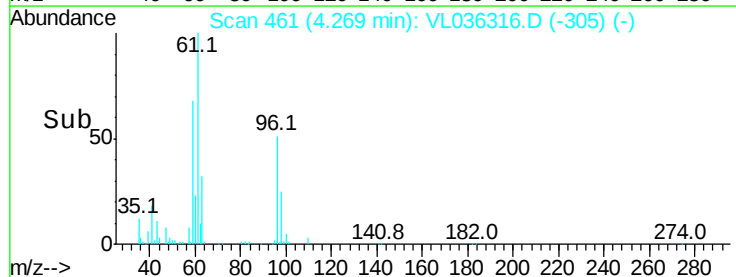
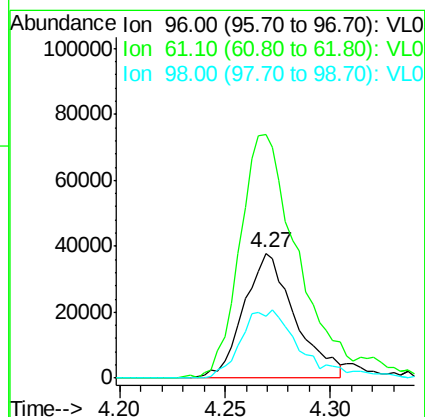
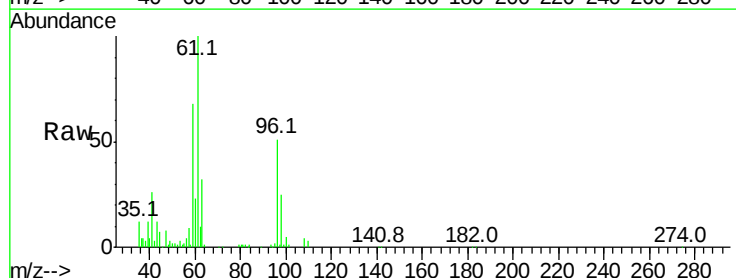
Tgt Ion: 96 Resp: 63835

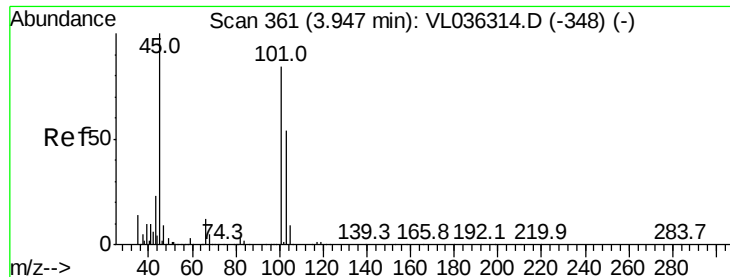
Ion Ratio Lower Upper

96 100

61 192.3 162.5 243.7

98 49.6 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.833 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

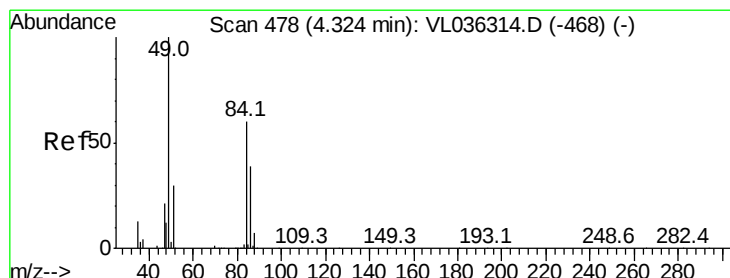
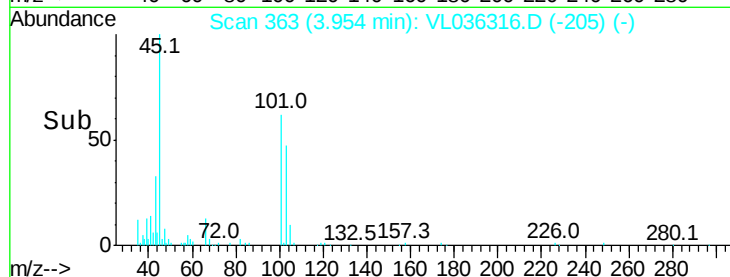
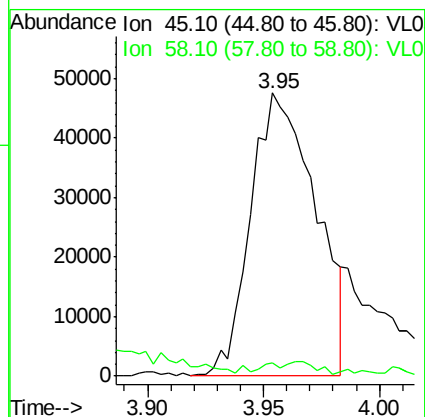
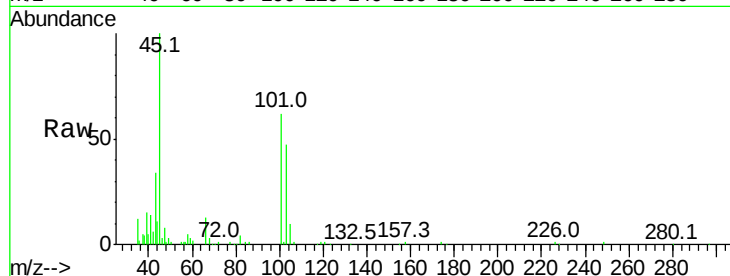
VSTDIC001

Tgt Ion: 45 Resp: 92739

Ion Ratio Lower Upper

45 100

58 6.5 1.9 2.9#



#20

Methylene Chloride

Concen: 0.549 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion: 84 Resp: 32360

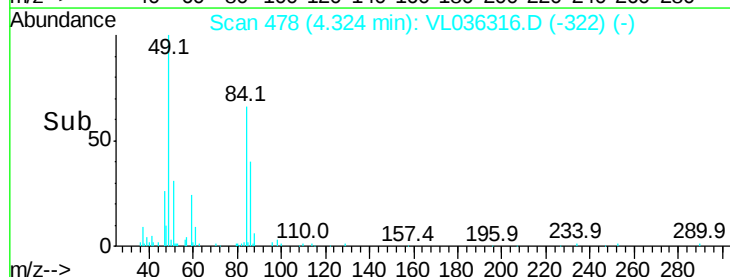
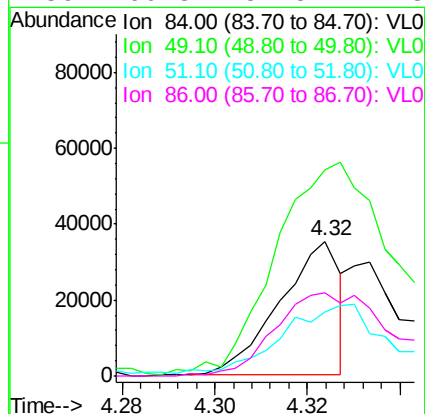
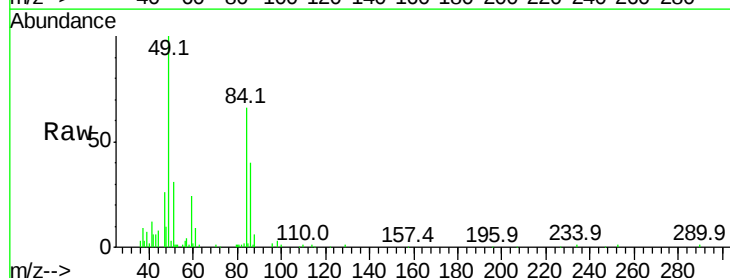
Ion Ratio Lower Upper

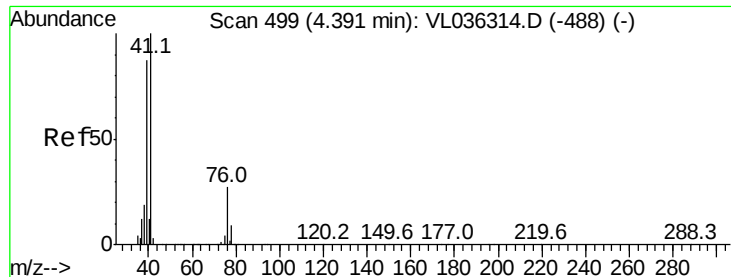
84 100

49 149.5 133.8 200.8

51 43.2 41.4 62.0

86 60.3 51.5 77.3





#21

Allyl Chloride

Concen: 1.020 ppbv

RT: 4.39 min Scan# 499

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

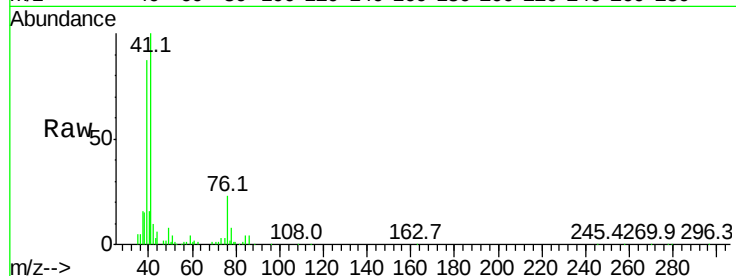
Tgt Ion: 41 Resp: 102523

Ion Ratio Lower Upper

41 100

76 27.8 22.0 33.0

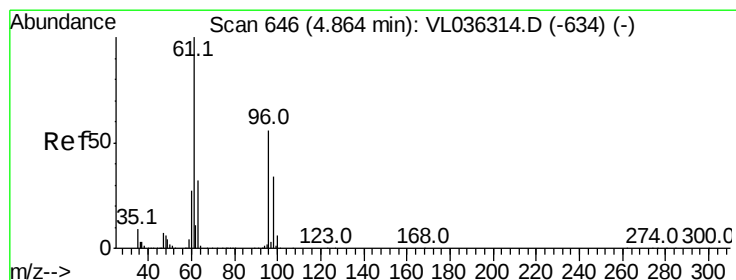
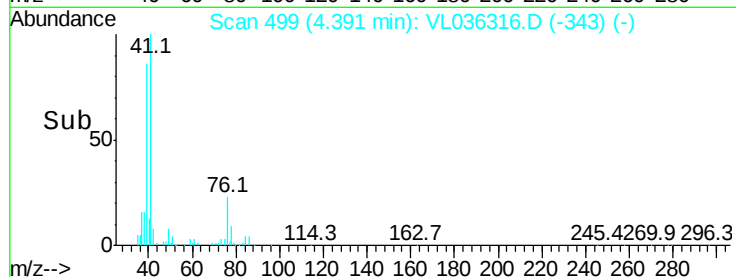
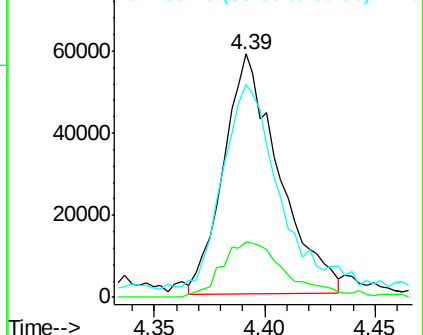
39 101.4 70.2 105.2



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: 1.195 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

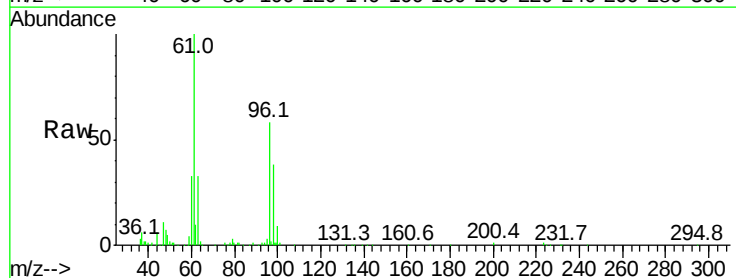
Tgt Ion: 96 Resp: 63766

Ion Ratio Lower Upper

96 100

61 172.4 143.7 215.5

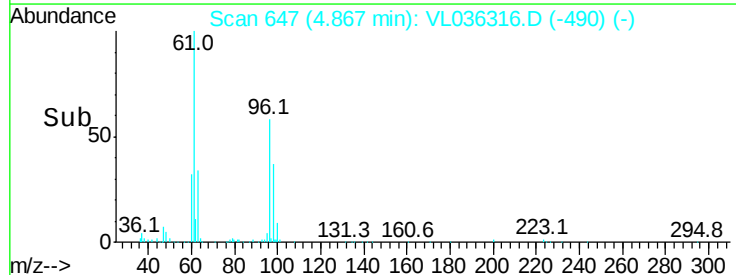
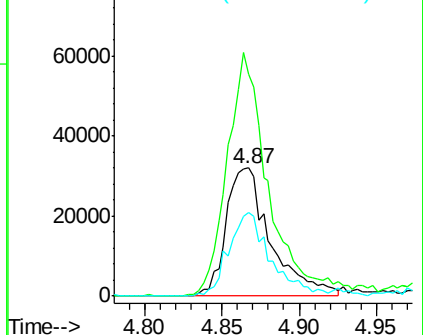
98 65.7 48.5 72.7

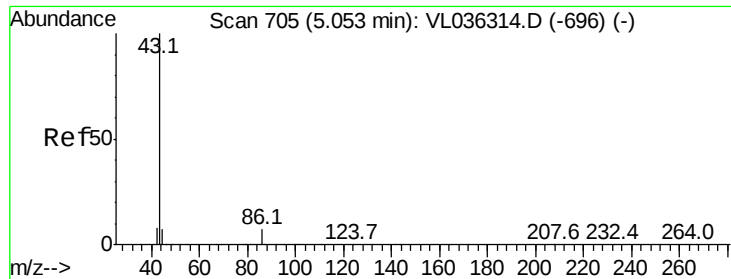


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.514 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 115123

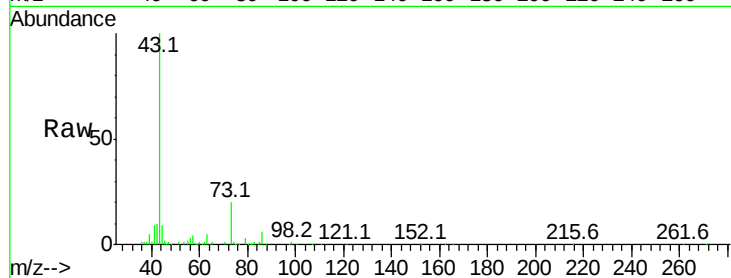
Ion Ratio Lower Upper

43 100

86 6.5 4.8 7.2

42 6.2 7.4 11.0#

44 7.2 4.8 7.2

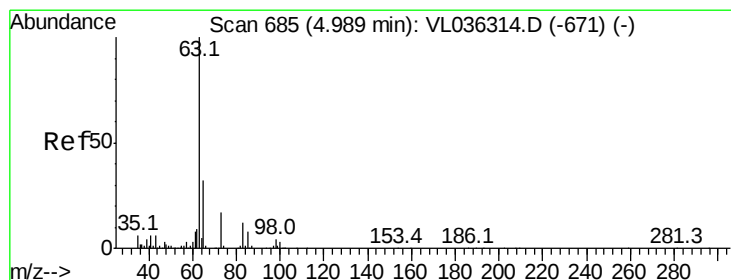
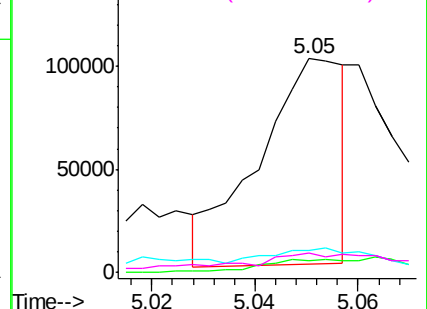
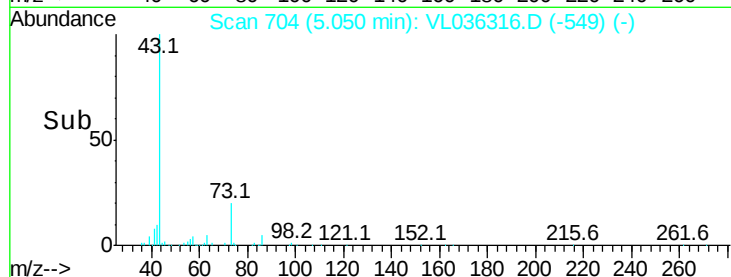


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.079 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

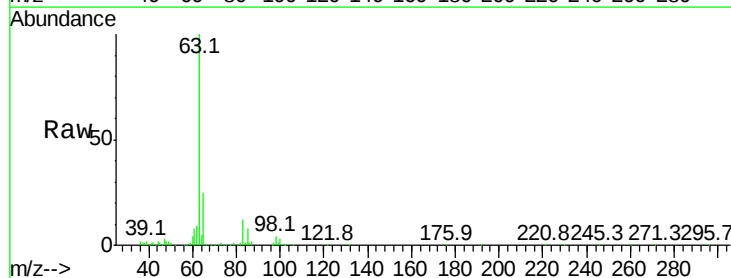
Tgt Ion: 63 Resp: 174934

Ion Ratio Lower Upper

63 100

98 3.1 2.0 6.0

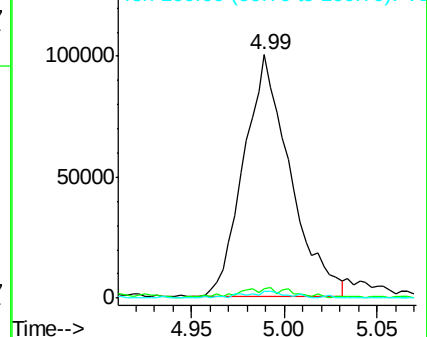
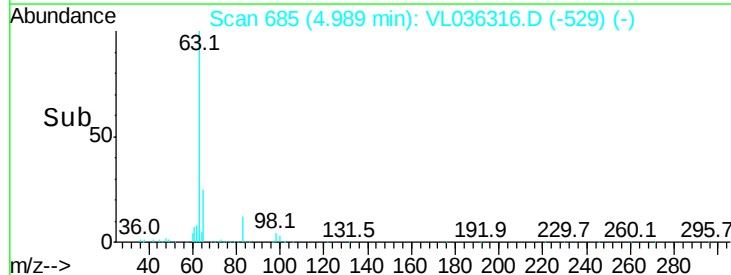
100 2.9 1.5 4.4

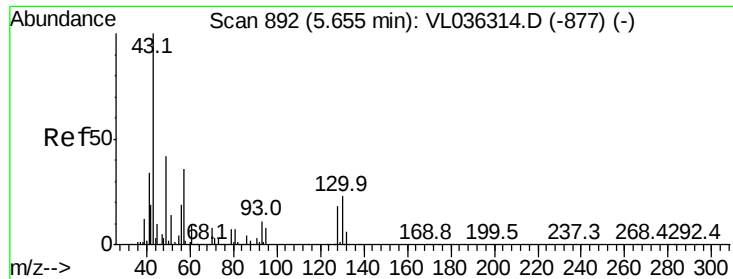


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.037 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 384575

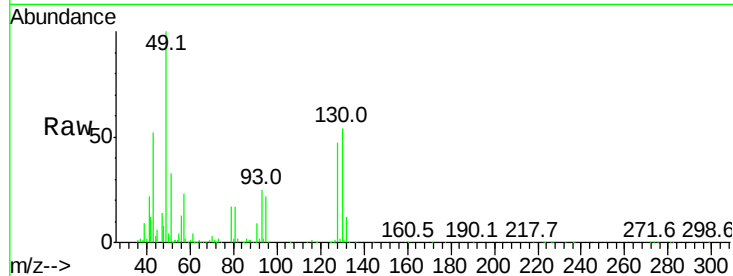
Ion Ratio Lower Upper

43 100

45 10.4 8.3 12.5

61 9.9 7.3 10.9

70 6.4 5.4 8.0

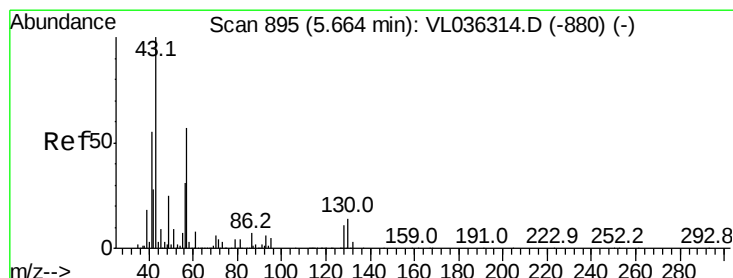
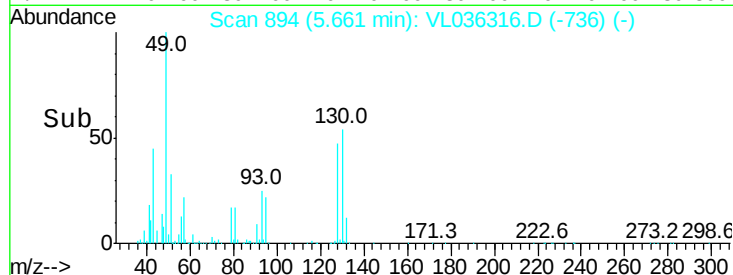
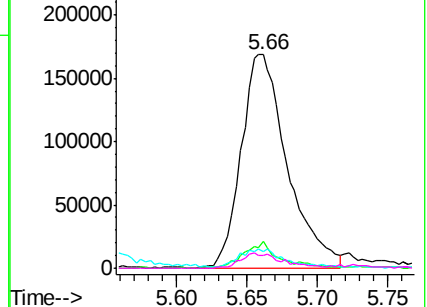


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 1.013 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion: 57 Resp: 156467

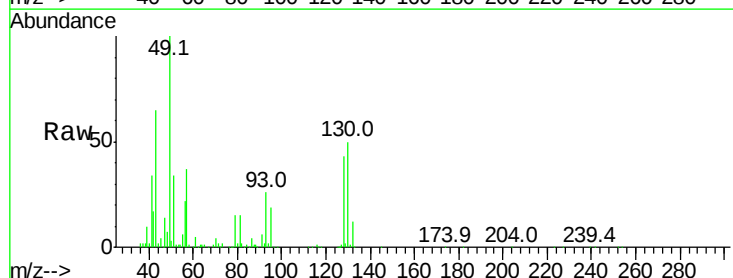
Ion Ratio Lower Upper

57 100

41 104.6 81.7 122.5

43 258.9 199.1 298.7

56 58.9 44.0 66.0

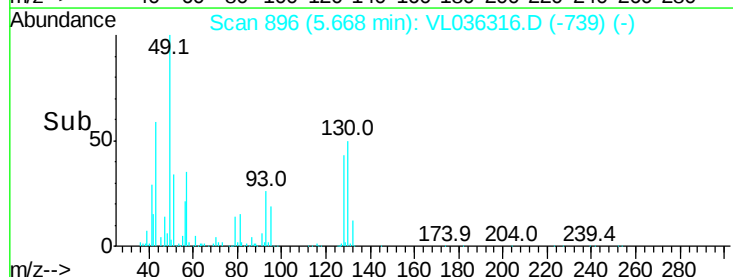
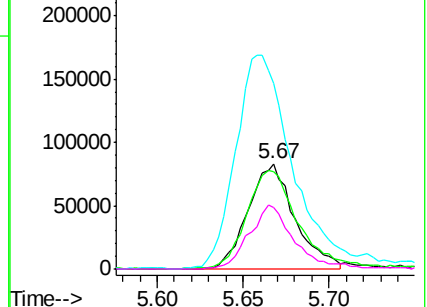


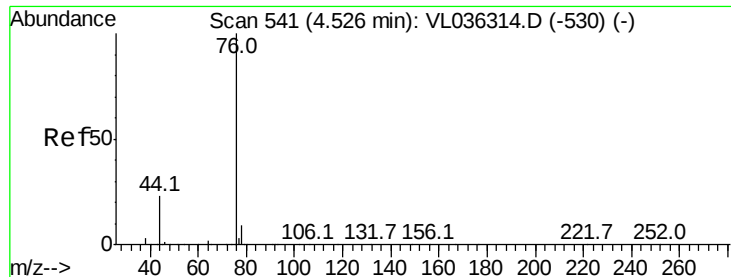
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.510 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

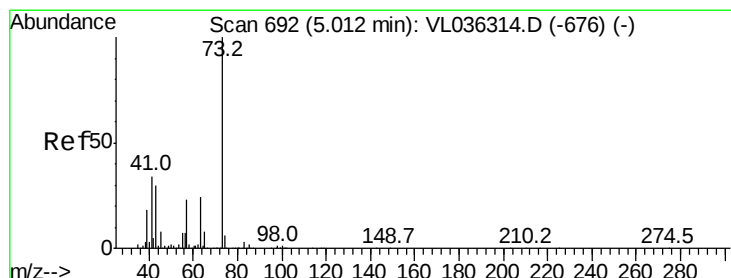
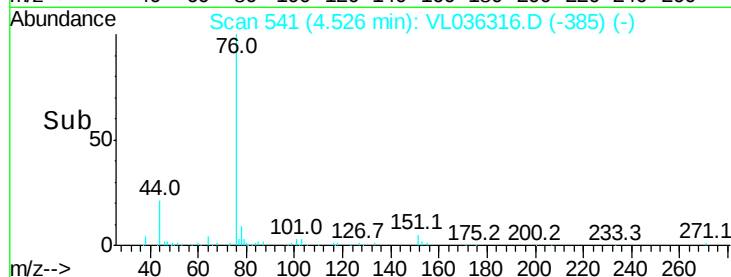
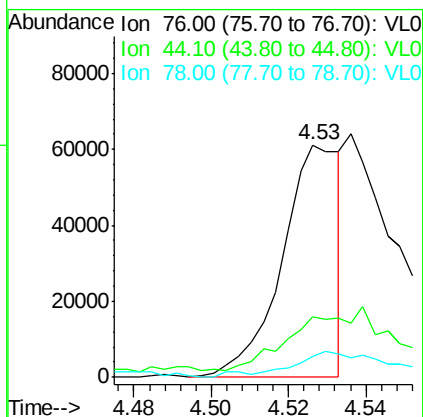
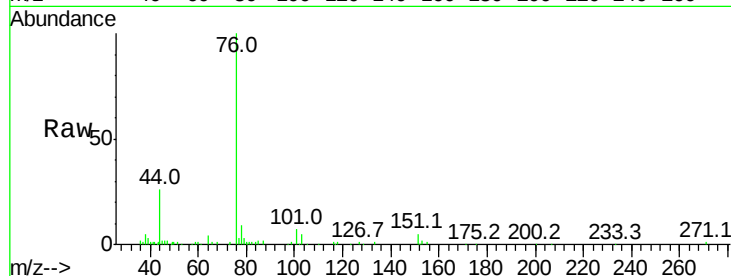
Tgt Ion: 76 Resp: 63006

Ion Ratio Lower Upper

76 100

44 0.0 18.4 27.6#

78 21.6 8.0 12.0#



#28

Methyl tert-Butyl Ether

Concen: 0.946 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036316.D

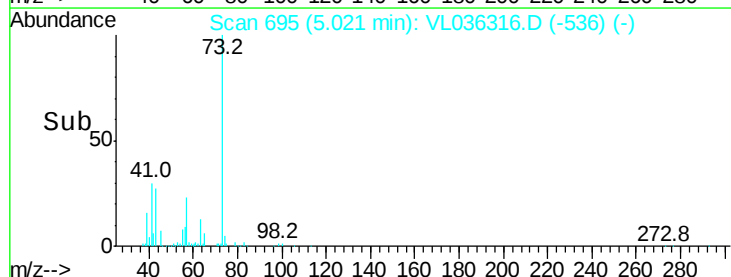
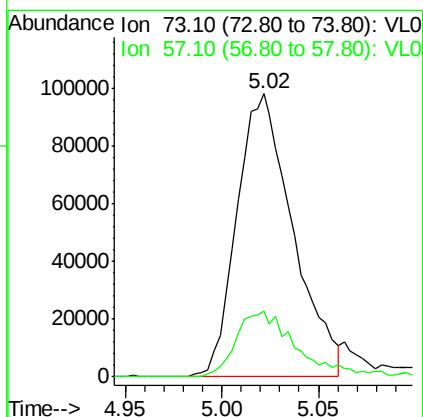
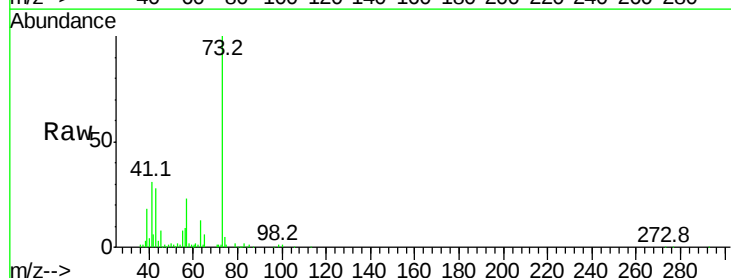
Acq: 10 Feb 2021 12:42

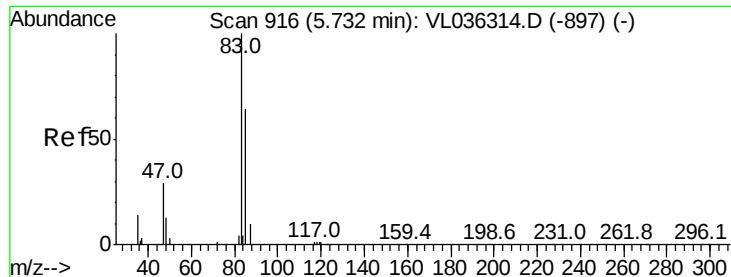
Tgt Ion: 73 Resp: 197607

Ion Ratio Lower Upper

73 100

57 25.5 19.2 28.8





#29

Chloroform

Concen: 1.127 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

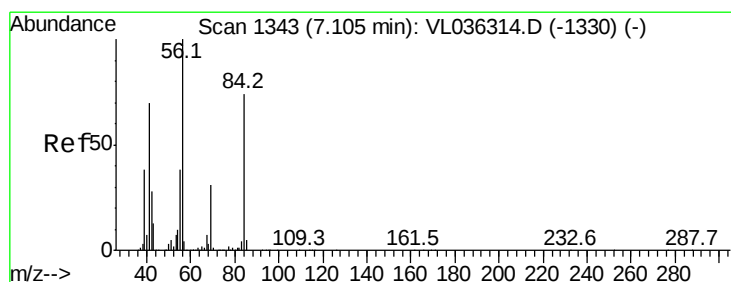
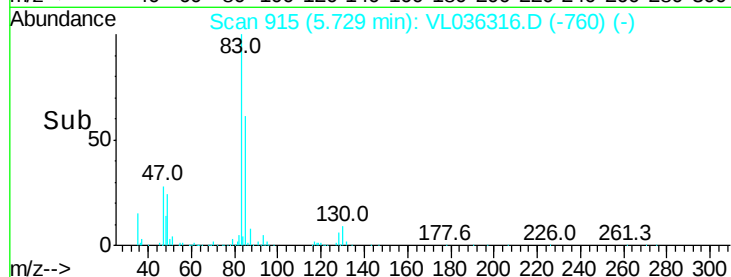
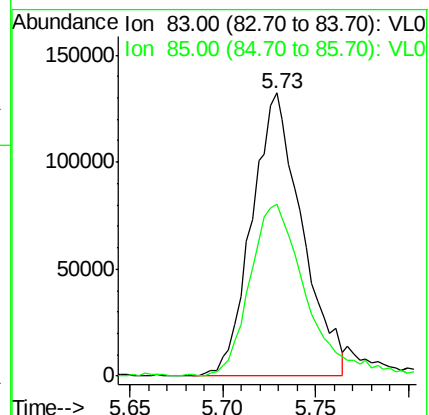
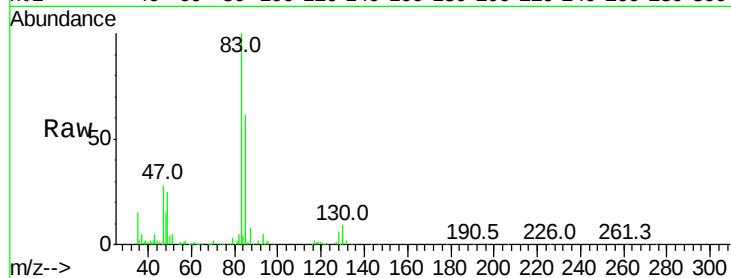
VSTDIC001

Tgt Ion: 83 Resp: 249223

Ion Ratio Lower Upper

83 100

85 59.9 51.4 77.2



#30

Cyclohexane

Concen: 1.031 ppbv

RT: 7.11 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

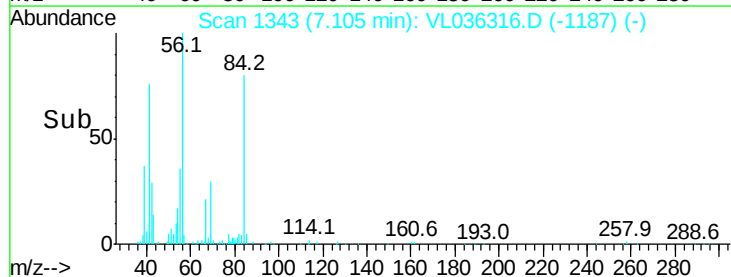
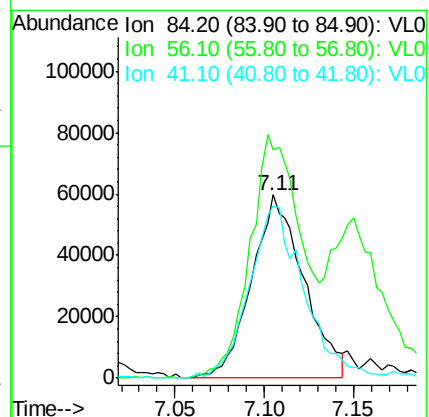
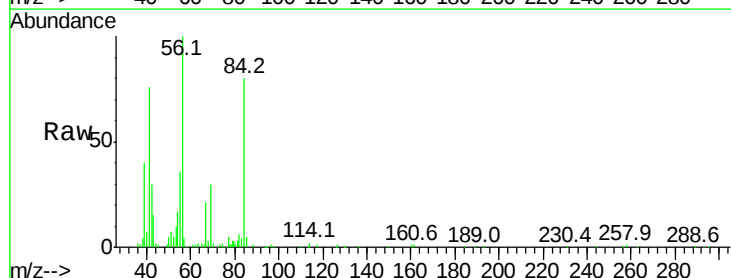
Tgt Ion: 84 Resp: 121581

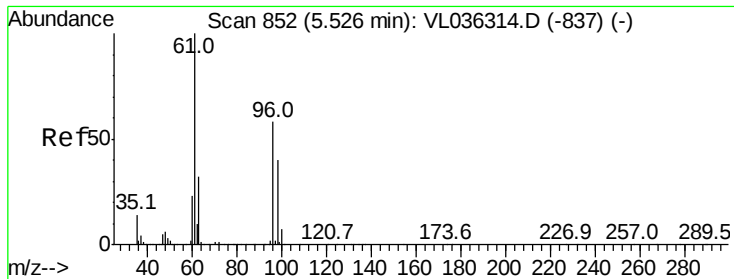
Ion Ratio Lower Upper

84 100

56 130.1 120.2 180.4

41 102.2 79.7 119.5



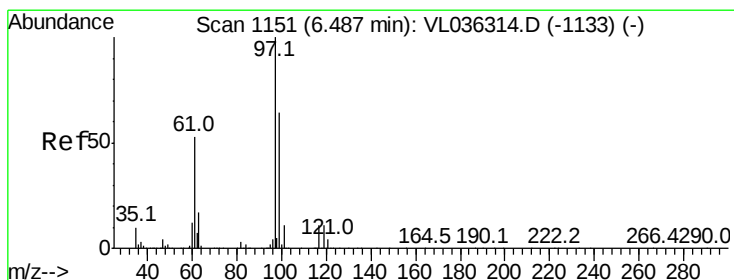
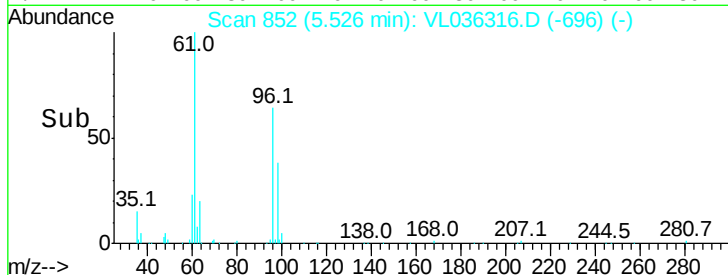
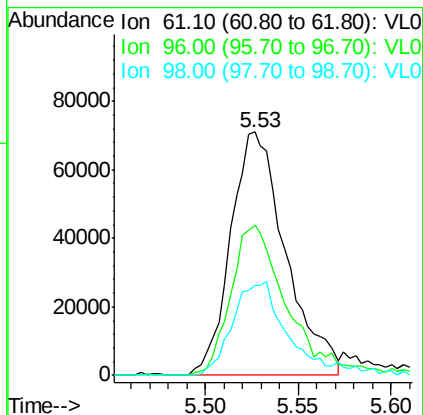
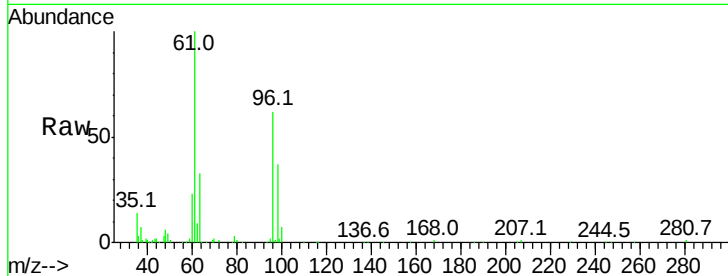


#31

cis-1,2-Dichloroethene
Concen: 0.993 ppbv
RT: 5.53 min Scan# 852
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

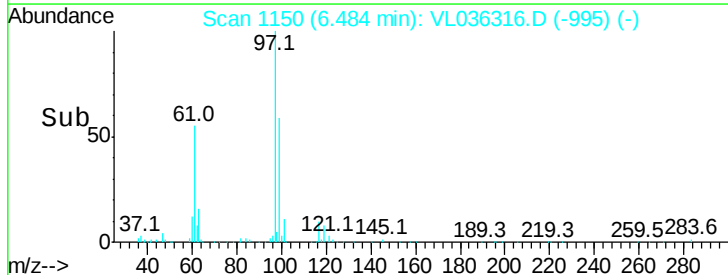
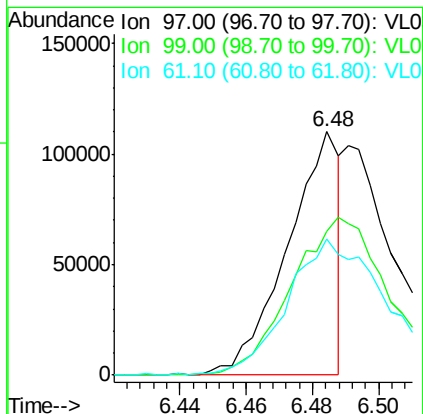
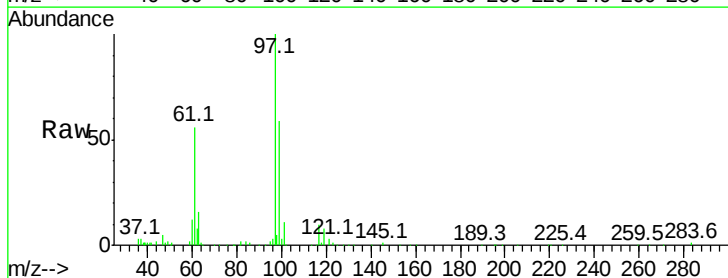
Tgt Ion	Ratio	Lower	Upper
61	100		
96	61.7	46.0	69.0
98	37.0	31.9	47.9

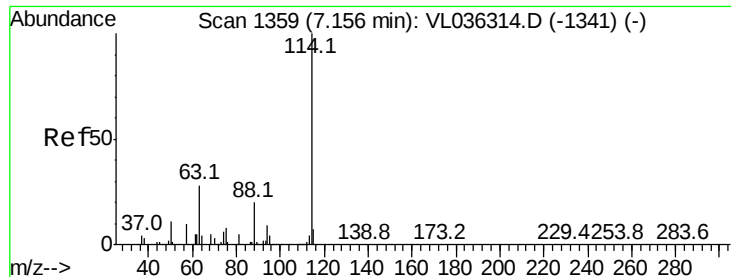


#32

1,1,1-Trichloroethane
Concen: 0.559 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.4#
61	113.5	43.3	64.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.01 min

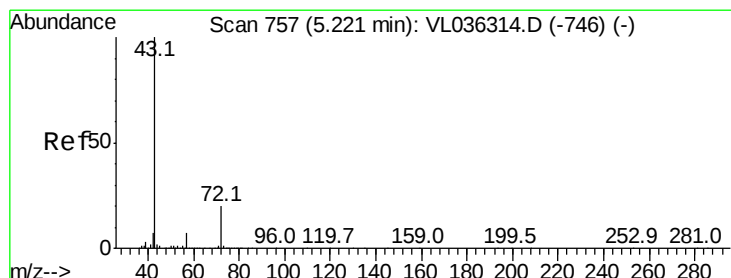
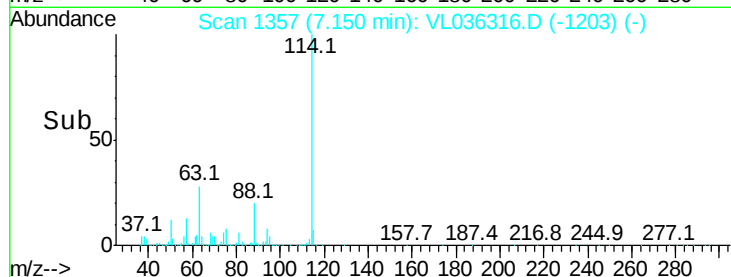
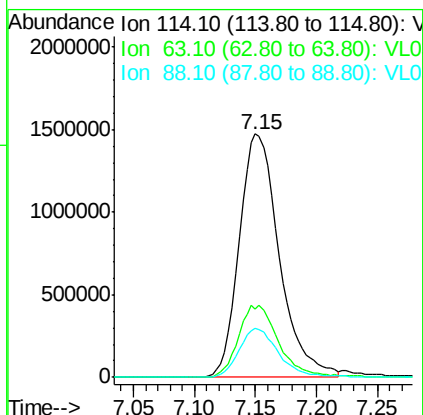
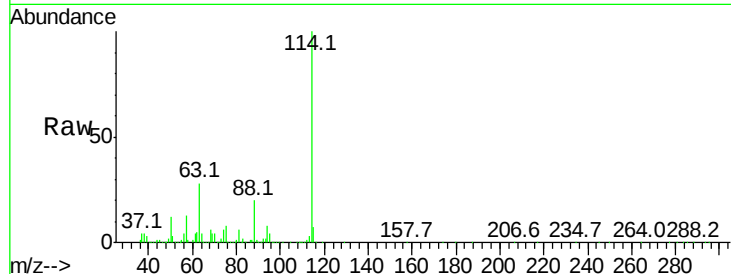
Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:114 Resp: 3344395

Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	20.2	16.0	24.0



#34

2-Butanone

Concen: 0.853 ppbv

RT: 5.23 min Scan# 759

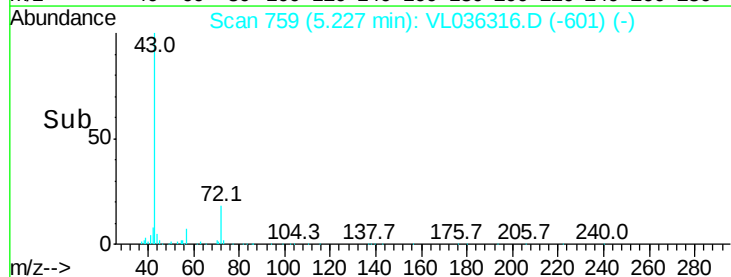
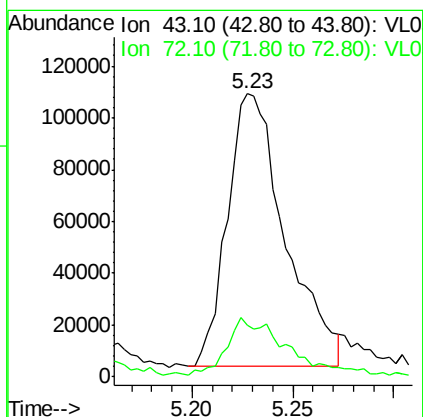
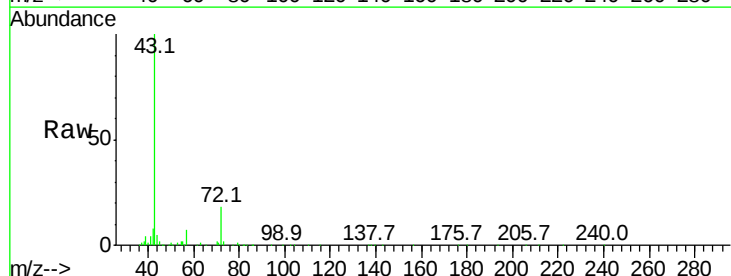
Delta R.T. 0.01 min

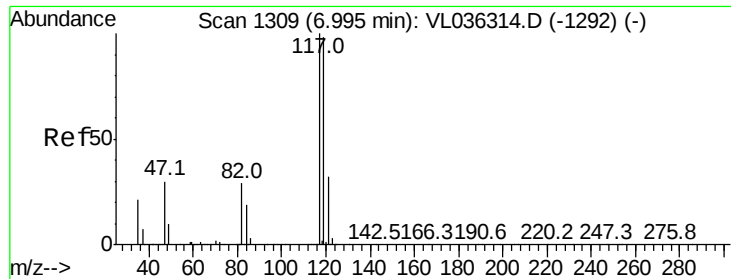
Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion: 43 Resp: 210117

Ion	Ratio	Lower	Upper
43	100		
72	24.7	16.7	25.1





#35

Carbon Tetrachloride

Concen: 0.524 ppbv

RT: 6.99 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

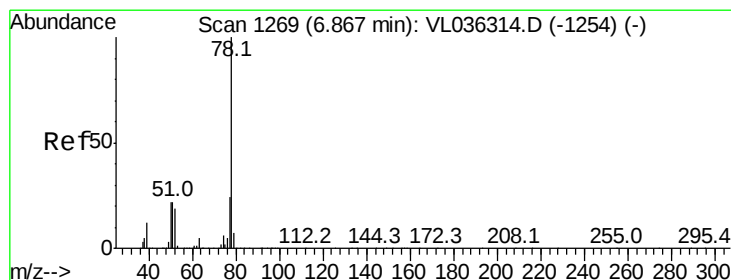
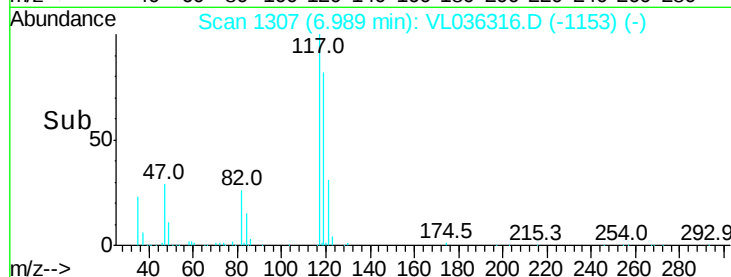
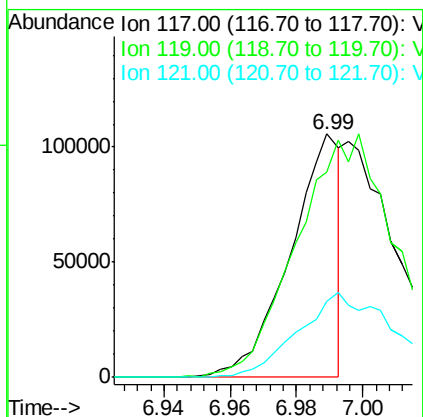
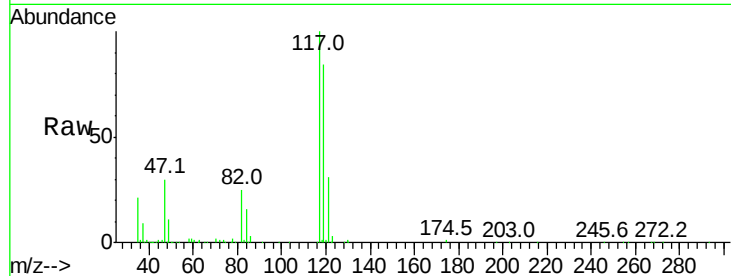
Tgt Ion:117 Resp: 110799

Ion Ratio Lower Upper

117 100

119 83.6 78.1 117.1

121 31.0 25.8 38.8



#36

Benzene

Concen: 1.026 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

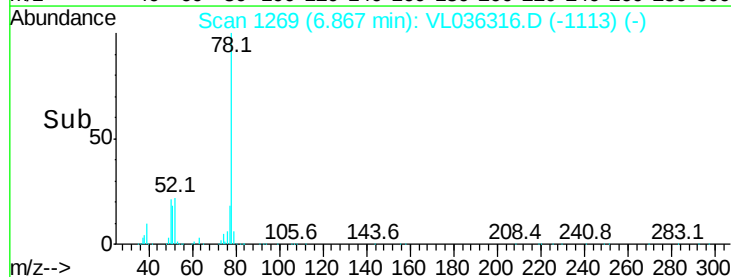
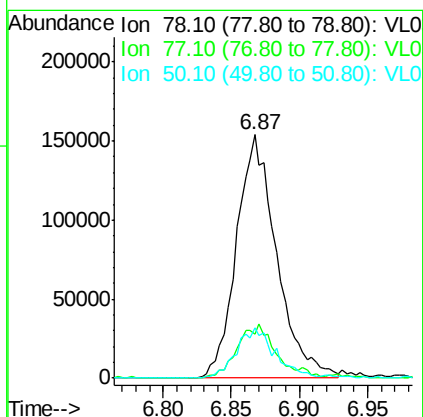
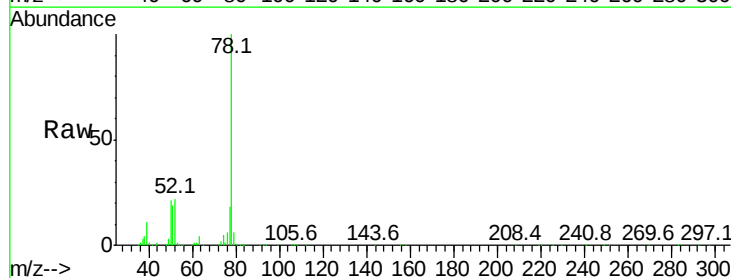
Tgt Ion: 78 Resp: 314556

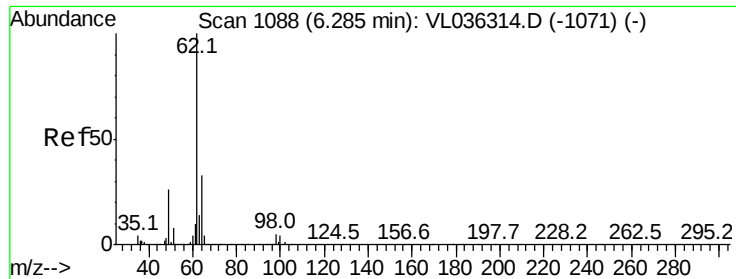
Ion Ratio Lower Upper

78 100

77 17.7 18.9 28.3#

50 20.8 17.3 25.9

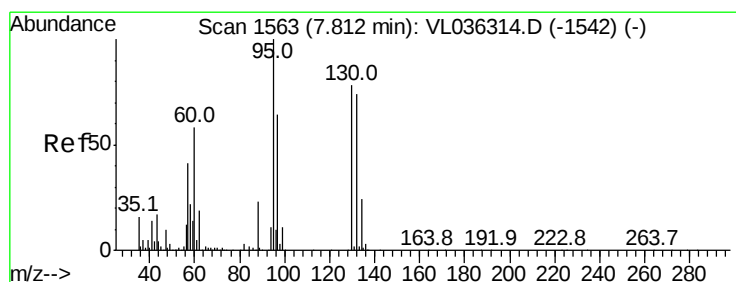
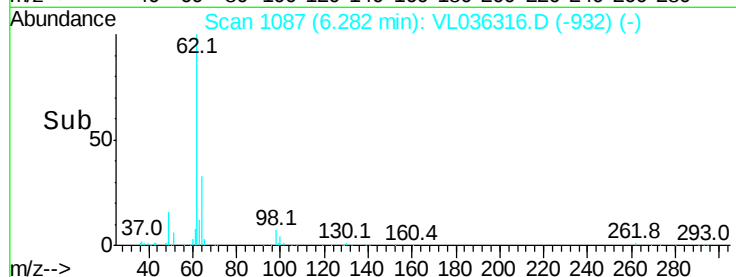
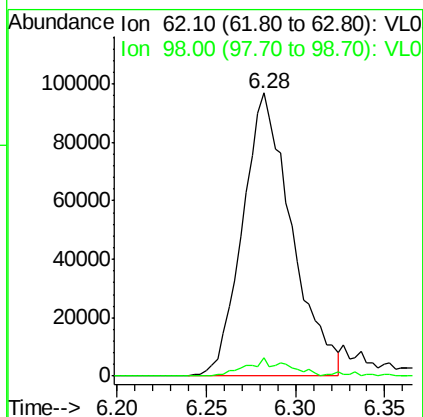
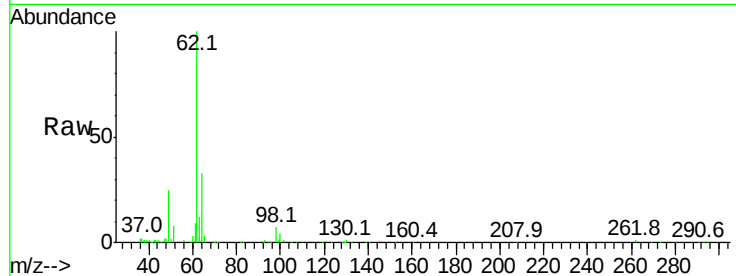




#37
 1,2-Dichloroethane
 Concen: 1.011 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

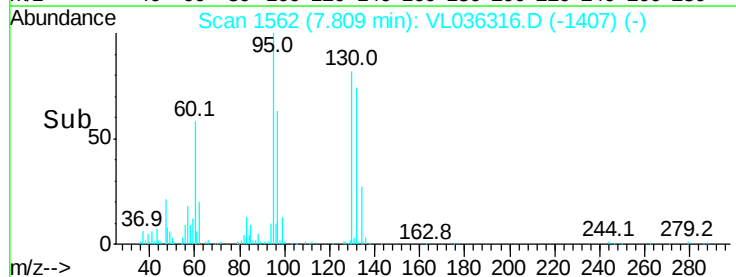
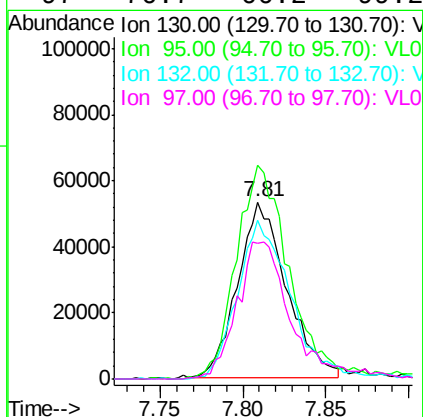
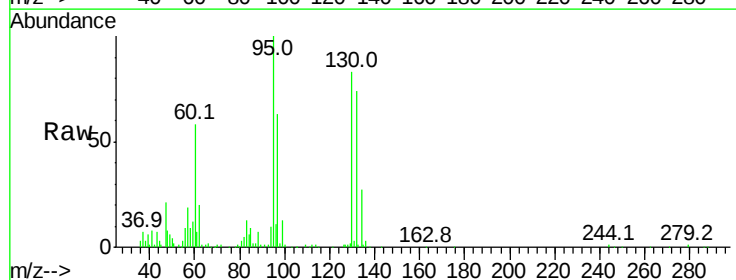
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

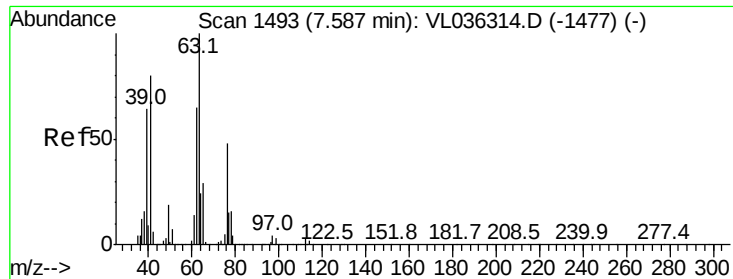
Tgt Ion: 62 Resp: 186420
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.5 6.7



#38
 Trichloroethene
 Concen: 0.953 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion: 130 Resp: 108176
 Ion Ratio Lower Upper
 130 100
 95 120.8 102.8 154.2
 132 90.7 75.7 113.5
 97 76.7 66.2 99.2





#39

1,2-Dichloropropane

Concen: 1.020 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

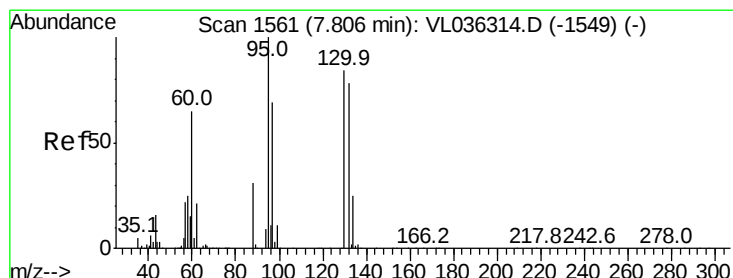
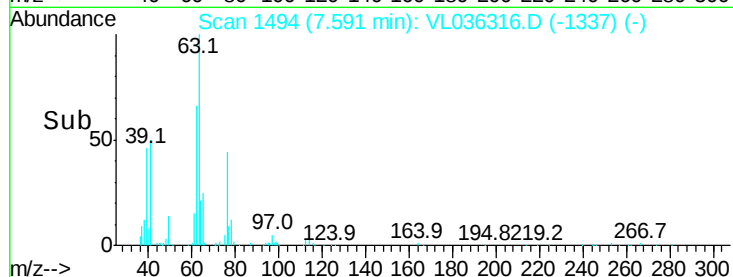
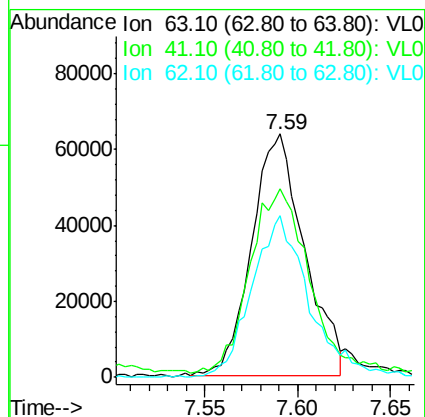
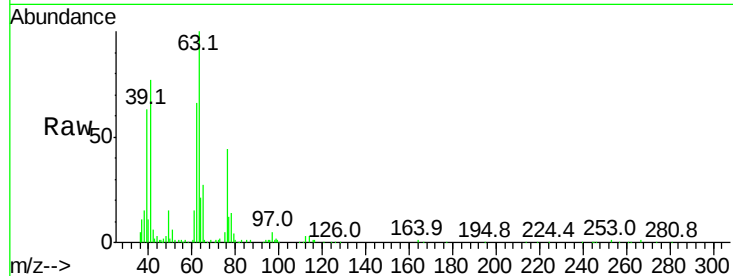
Tgt Ion: 63 Resp: 126864

Ion Ratio Lower Upper

63 100

41 76.0 63.8 95.6

62 66.7 52.3 78.5



#40

1,4-Dioxane

Concen: 0.268 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.02 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion: 88 Resp: 12073

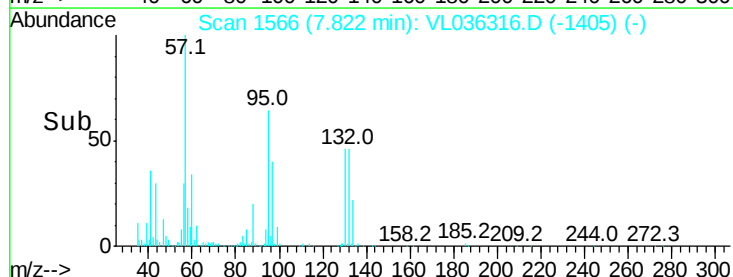
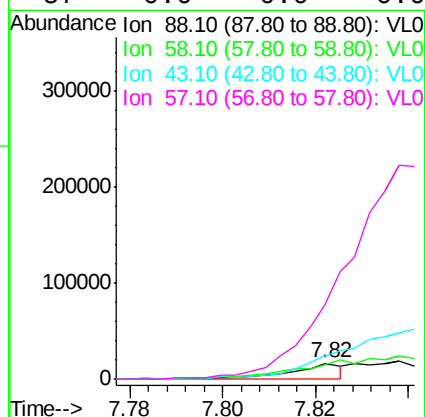
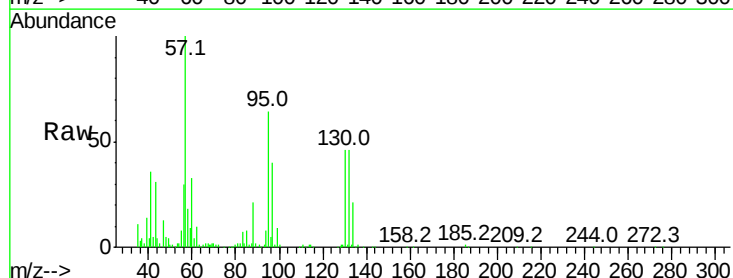
Ion Ratio Lower Upper

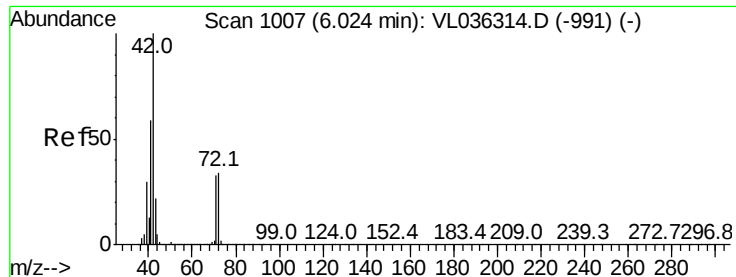
88 100

58 0.0 45.0 67.4#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.718 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.02 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

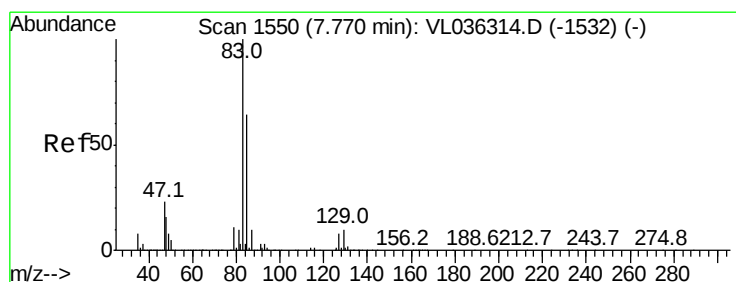
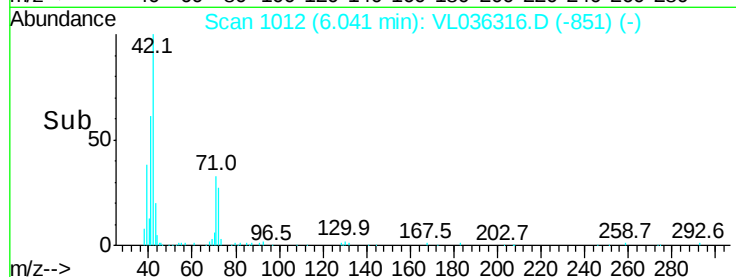
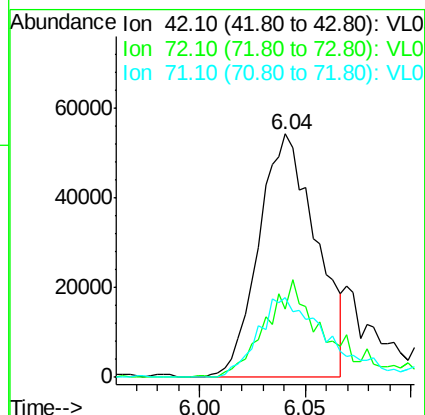
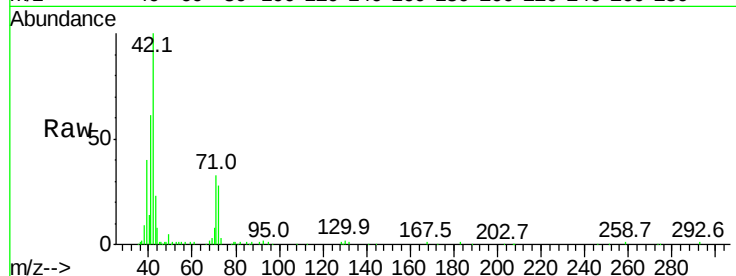
Tgt Ion: 42 Resp: 102243

Ion Ratio Lower Upper

42 100

72 44.2 29.3 43.9#

71 44.1 27.8 41.8#



#42

Bromodichloromethane

Concen: 1.098 ppbv

RT: 7.76 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

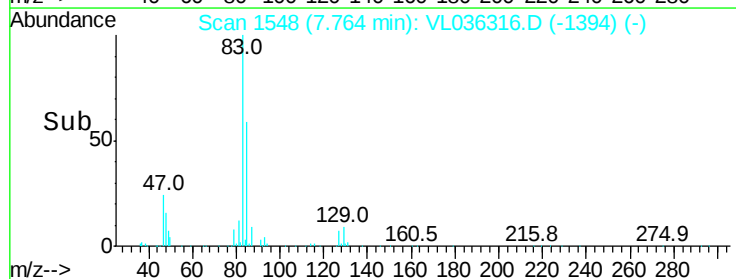
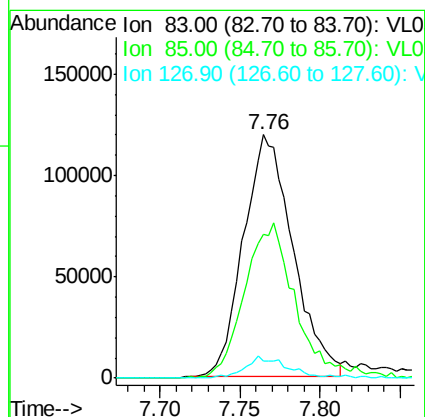
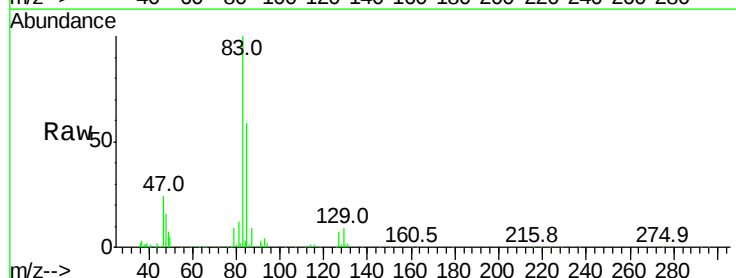
Tgt Ion: 83 Resp: 254461

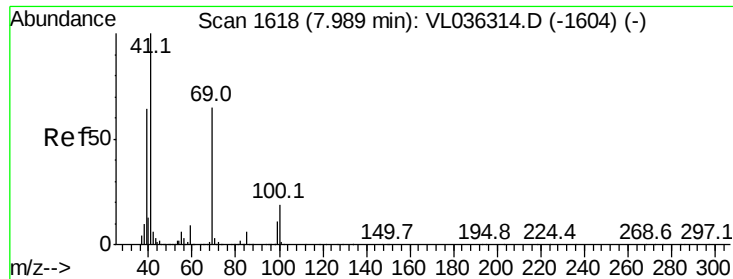
Ion Ratio Lower Upper

83 100

85 58.5 51.1 76.7

127 7.0 6.3 9.5

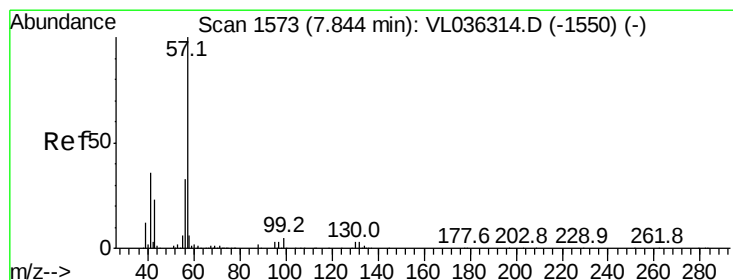
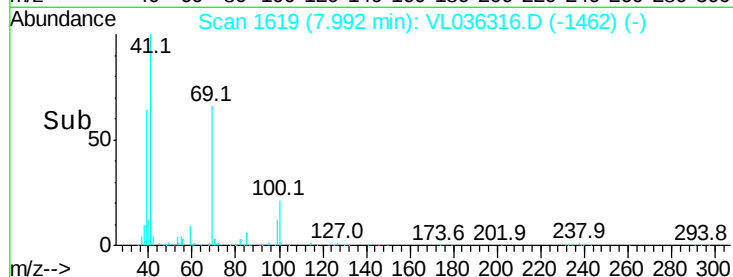
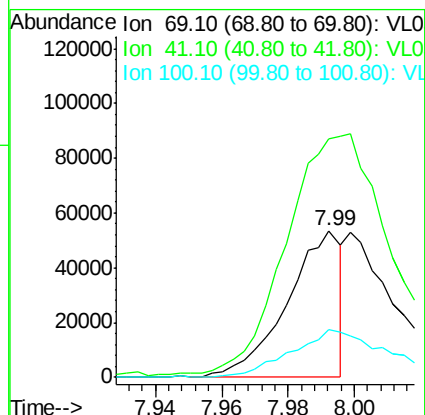
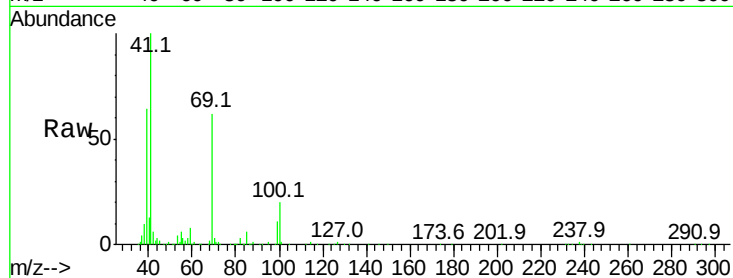




#43
Methyl Methacrylate
Concen: 0.468 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

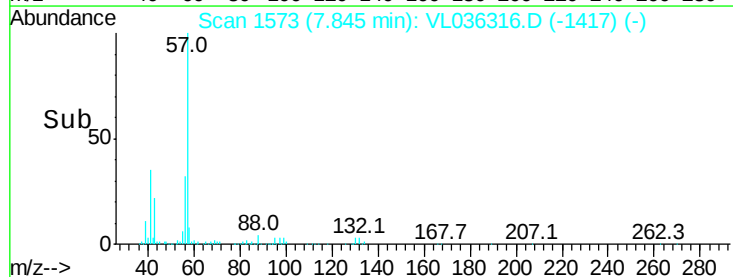
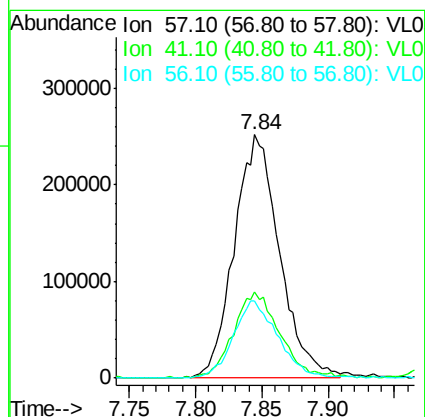
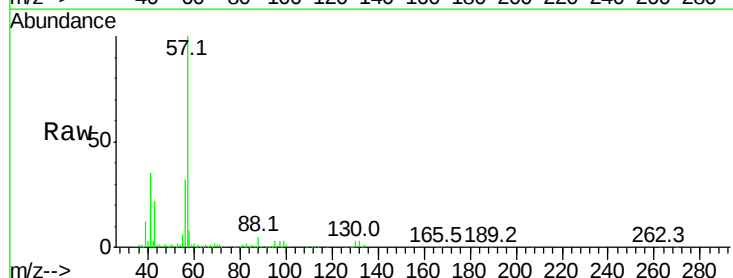
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

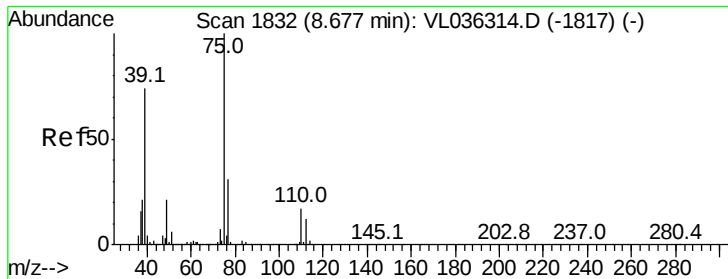
Tgt Ion: 69 Resp: 60961
Ion Ratio Lower Upper
69 100
41 0.0 126.5 189.7#
100 62.0 23.1 34.7#



#44
2,2,4-Trimethylpentane
Concen: 1.054 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion: 57 Resp: 592972
Ion Ratio Lower Upper
57 100
41 36.3 28.8 43.2
56 32.0 25.8 38.6

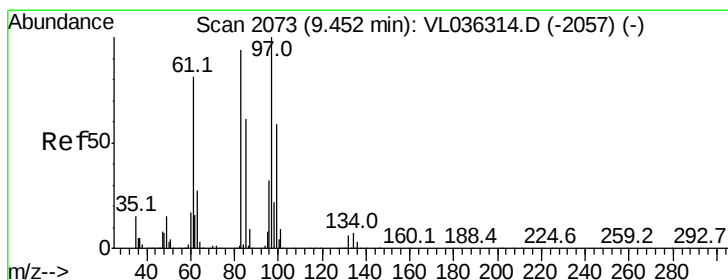
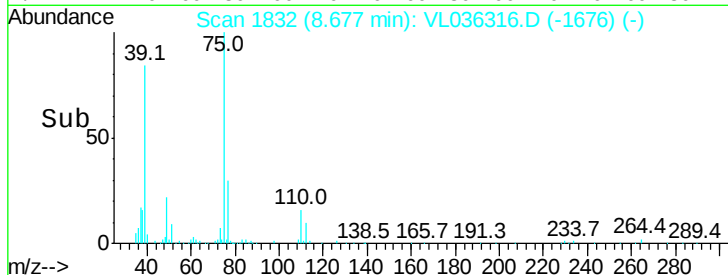
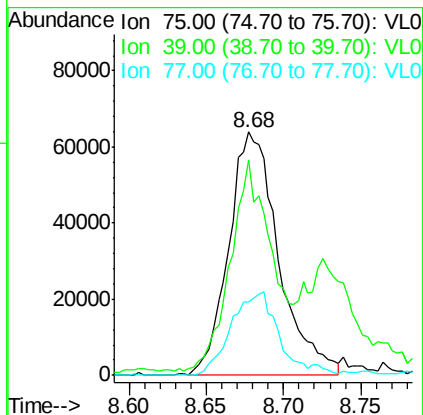
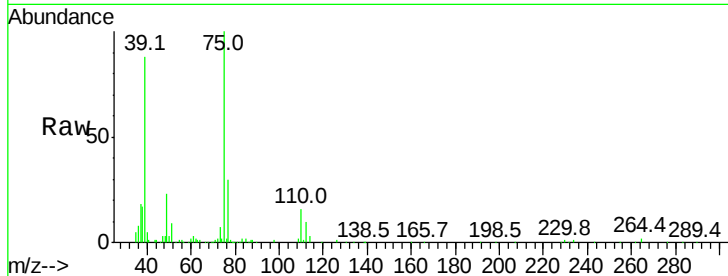




#46
 cis-1,3-Dichloropropene
 Concen: 0.903 ppbv
 RT: 8.68 min Scan# 1832
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

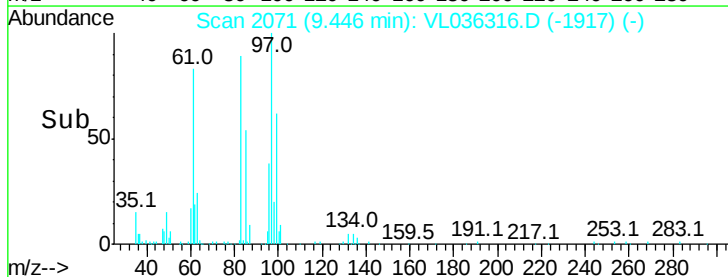
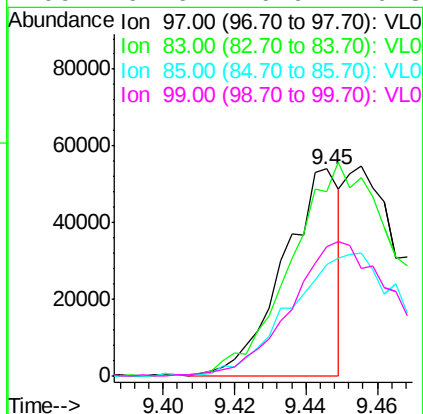
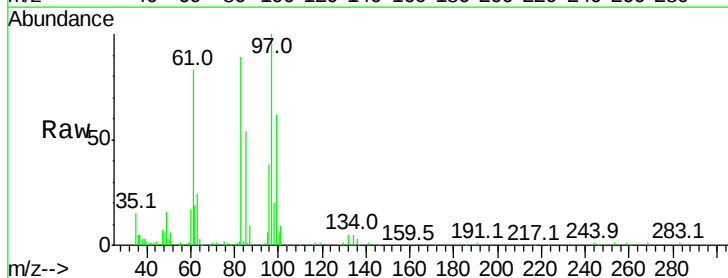
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

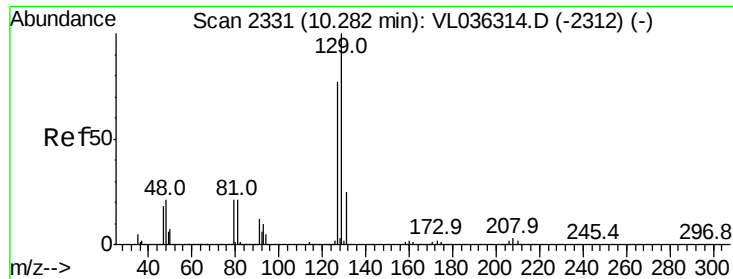
Tgt Ion: 75 Resp: 143593
 Ion Ratio Lower Upper
 75 100
 39 85.8 59.2 88.8
 77 29.9 25.0 37.6



#47
 1,1,2-Trichloroethane
 Concen: 0.493 ppbv
 RT: 9.45 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion: 97 Resp: 58686
 Ion Ratio Lower Upper
 97 100
 83 88.9 75.4 113.0
 85 52.9 48.9 73.3
 99 61.6 46.9 70.3





#48

Dibromochloromethane

Concen: 0.479 ppbv

RT: 10.28 min Scan# 2329

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

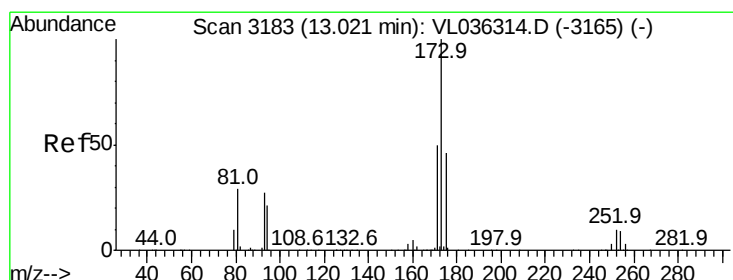
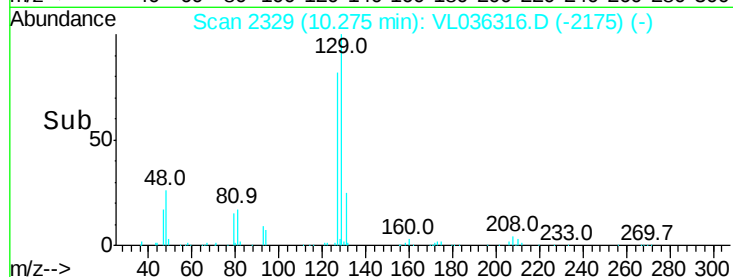
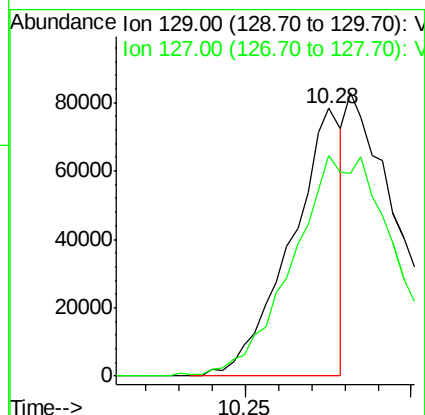
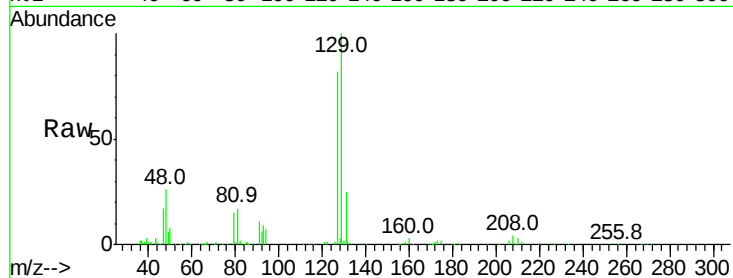
VSTDIC001

Tgt Ion:129 Resp: 83375

Ion Ratio Lower Upper

129 100

127 179.8 39.1 117.2#



#49

Bromoform

Concen: 0.944 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

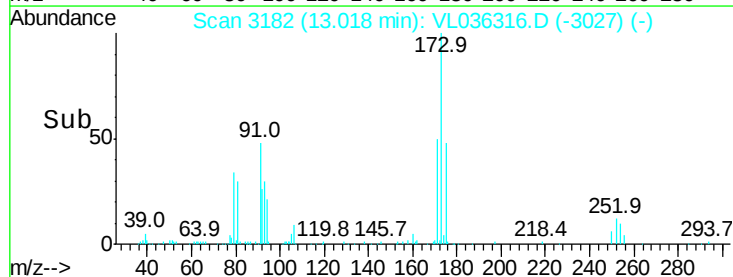
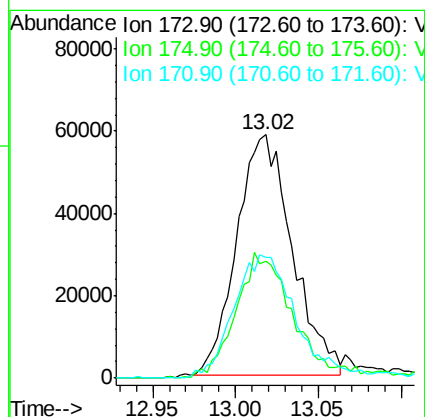
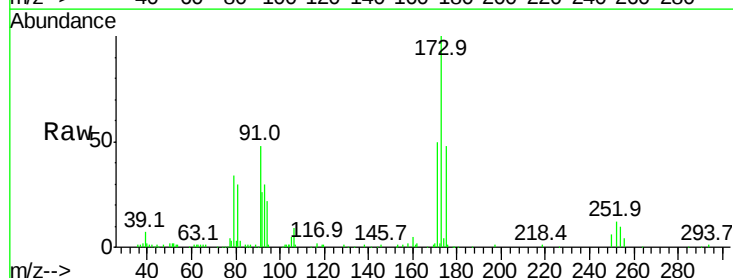
Tgt Ion:173 Resp: 137189

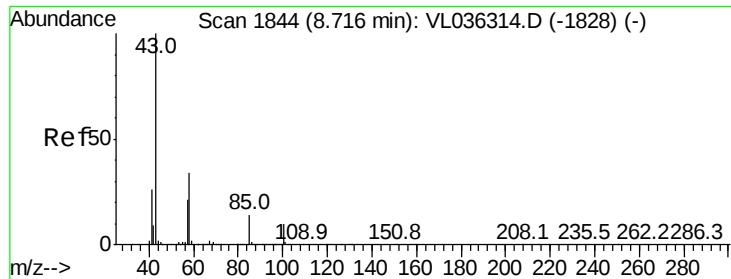
Ion Ratio Lower Upper

173 100

175 55.7 40.2 60.2

171 58.0 43.4 65.2

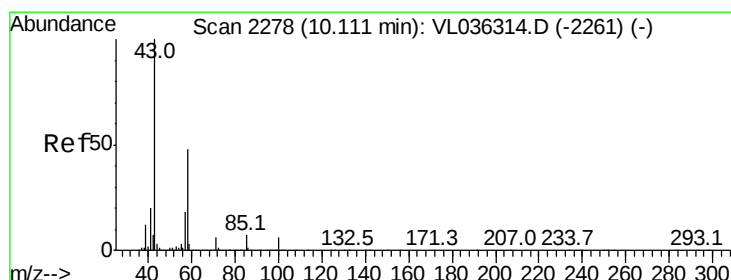
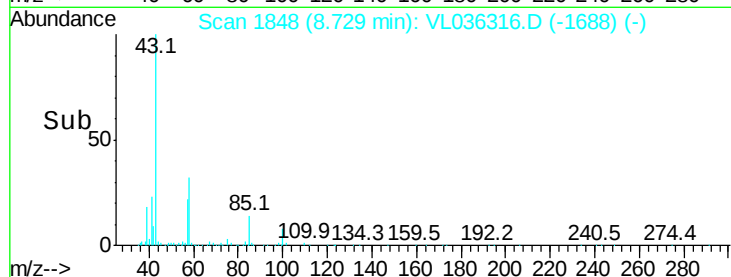
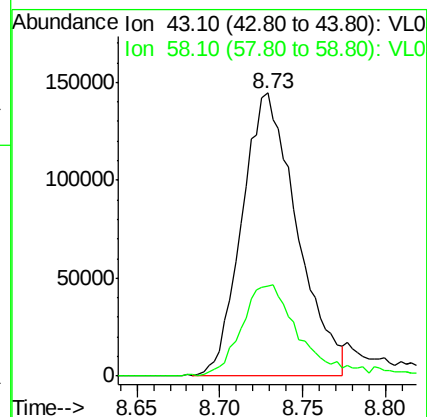
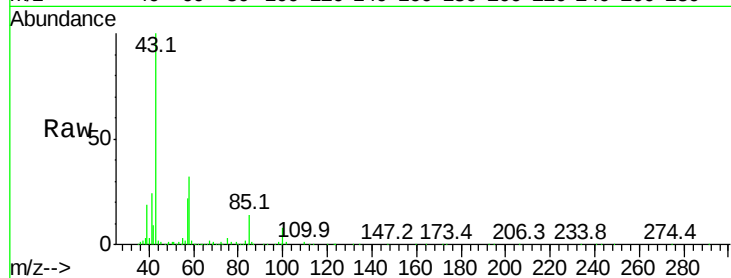




#50
4-Methyl-2-Pentanone
Concen: 0.907 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

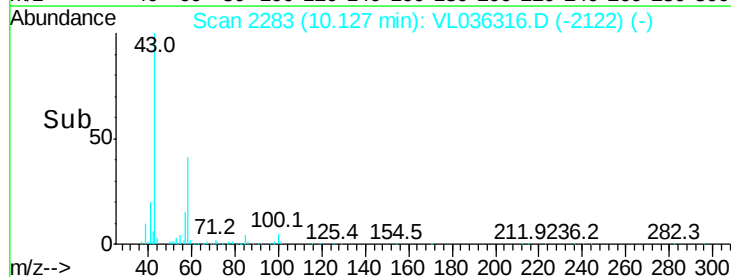
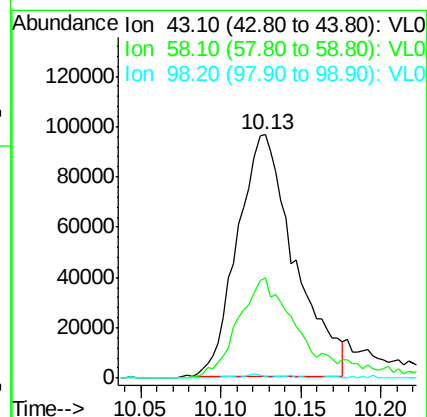
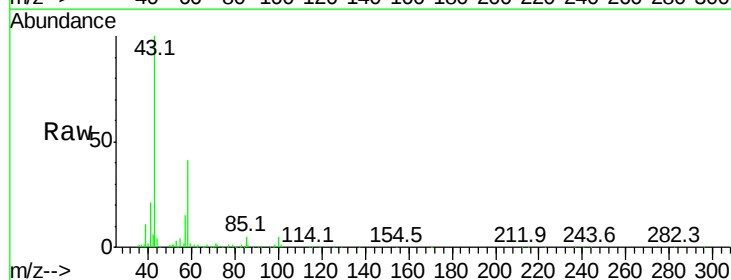
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

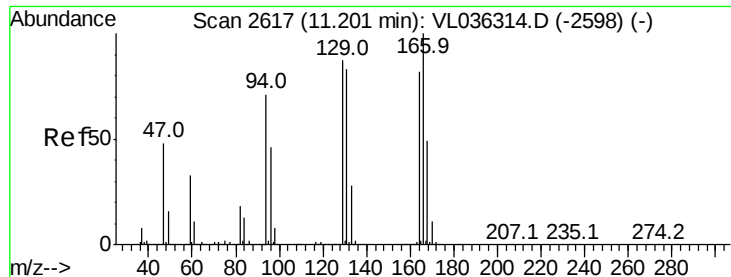
Tgt Ion: 43 Resp: 333070
Ion Ratio Lower Upper
43 100
58 35.8 27.8 41.6



#51
2-Hexanone
Concen: 0.811 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.02 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion: 43 Resp: 234966
Ion Ratio Lower Upper
43 100
58 47.5 38.7 58.1
98 1.1 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.964 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 108901

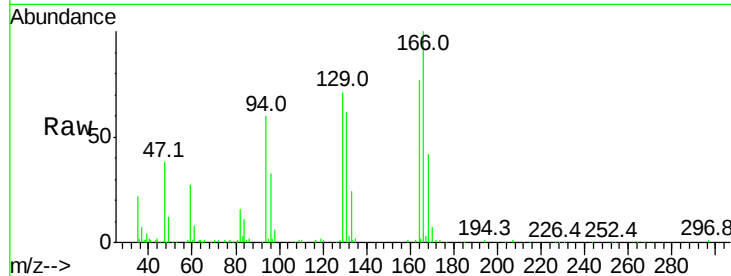
Ion Ratio Lower Upper

164 100

166 129.1 97.8 146.8

129 90.8 84.9 127.3

131 79.7 81.4 122.2#

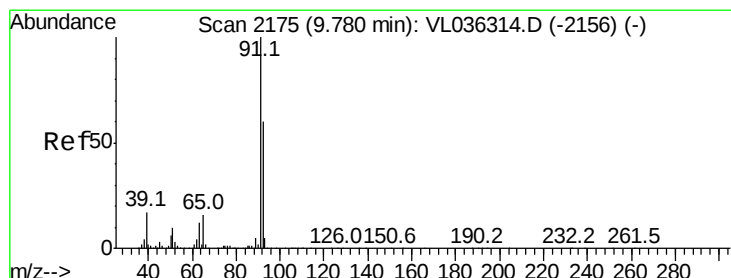
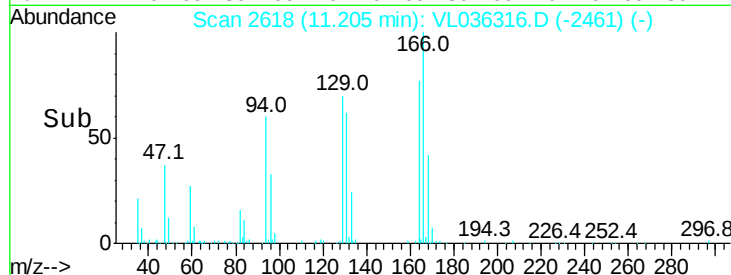
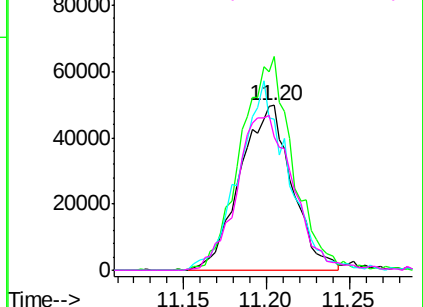


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.970 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. 0.00 min

Lab File: VL036316.D

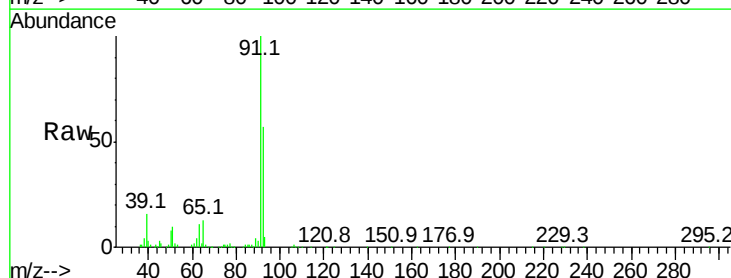
Acq: 10 Feb 2021 12:42

Tgt Ion: 91 Resp: 332372

Ion Ratio Lower Upper

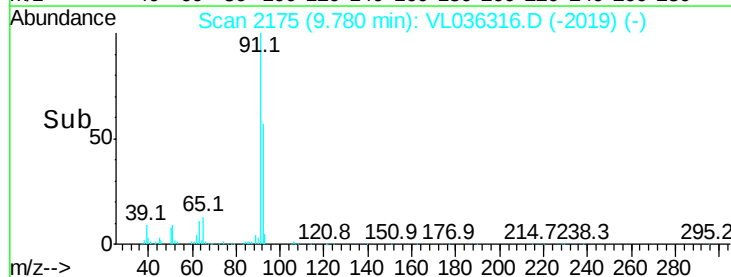
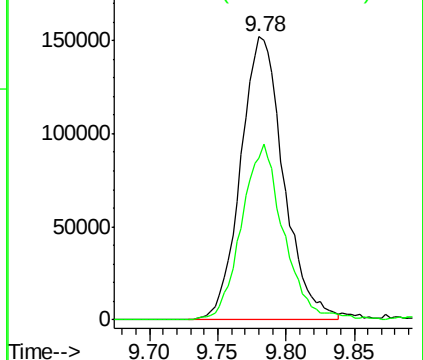
91 100

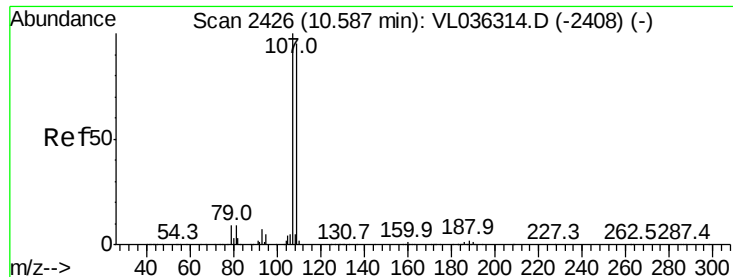
92 61.2 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.985 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

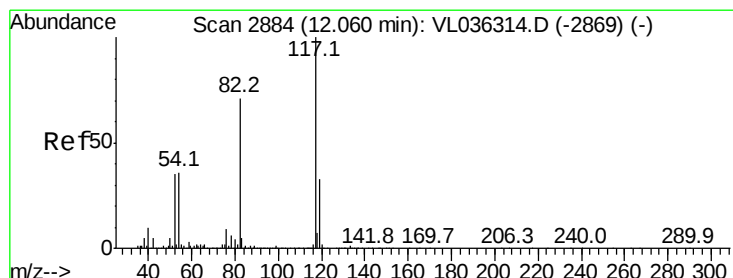
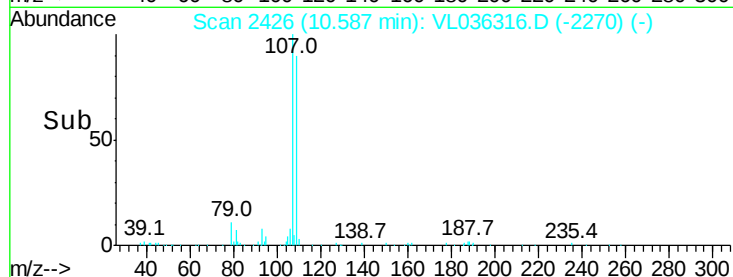
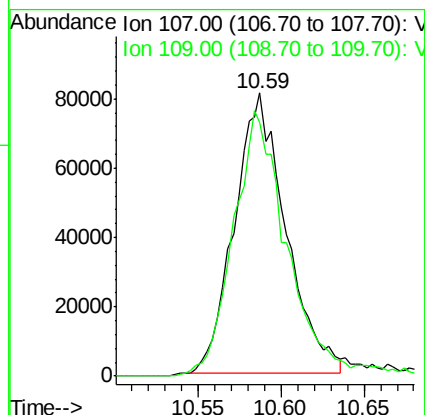
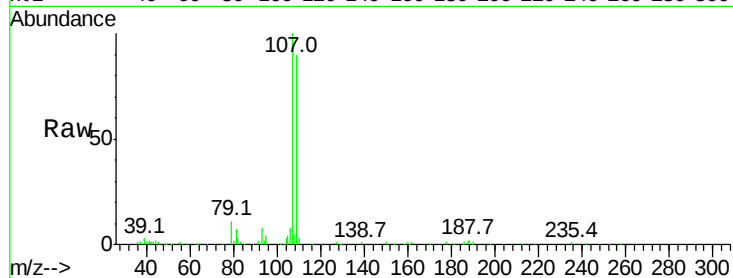
VSTDIC001

Tgt Ion:107 Resp: 173801

Ion Ratio Lower Upper

107 100

109 89.2 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: VL036316.D

Acq: 10 Feb 2021 12:42

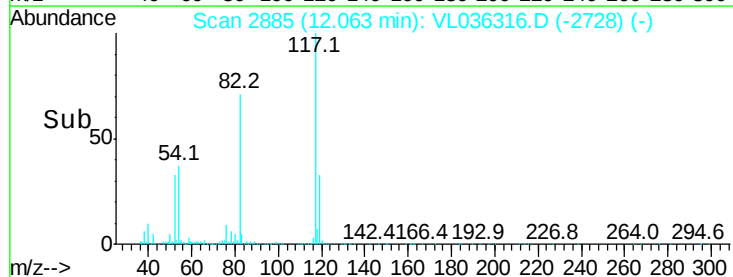
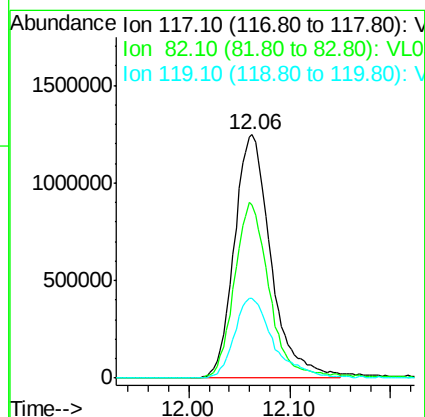
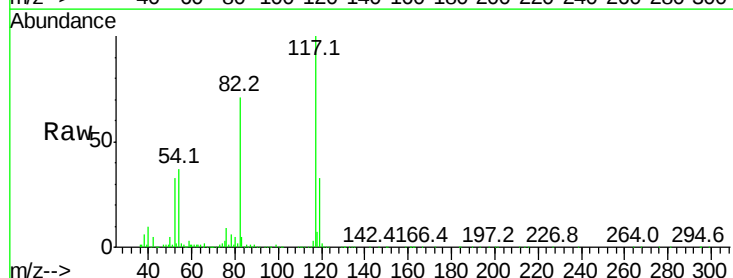
Tgt Ion:117 Resp: 3143752

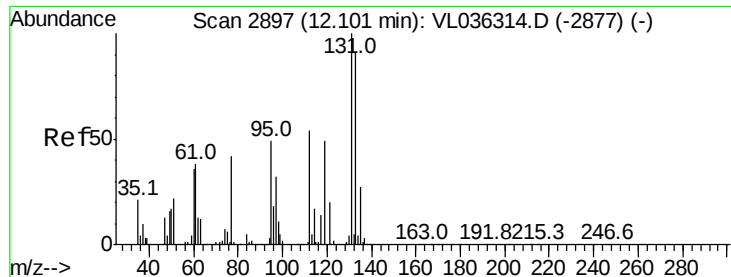
Ion Ratio Lower Upper

117 100

82 70.2 59.1 88.7

119 35.2 46.3 69.5#





#56

1,1,1,2-Tetrachloroethane

Concen: 1.122 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

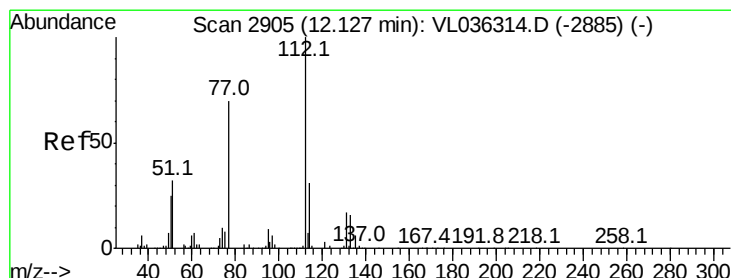
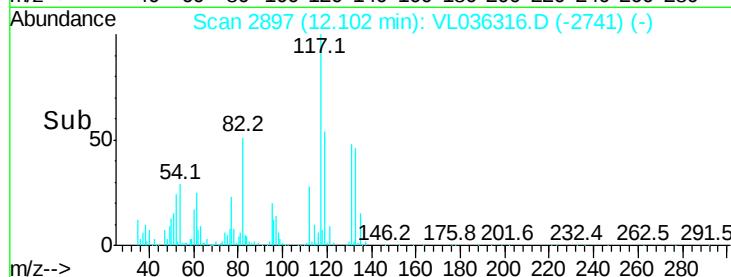
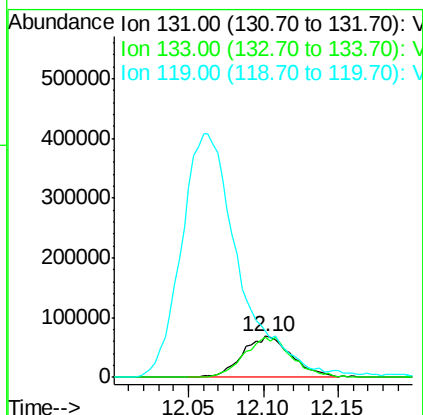
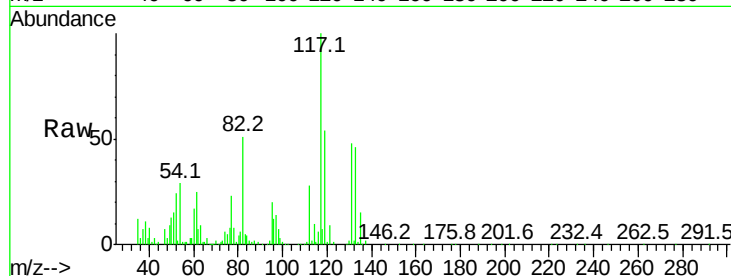
Tgt Ion:131 Resp: 157405

Ion Ratio Lower Upper

131 100

133 96.7 76.0 114.0

119 712.7 115.1 172.7#



#57

Chlorobenzene

Concen: 1.056 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

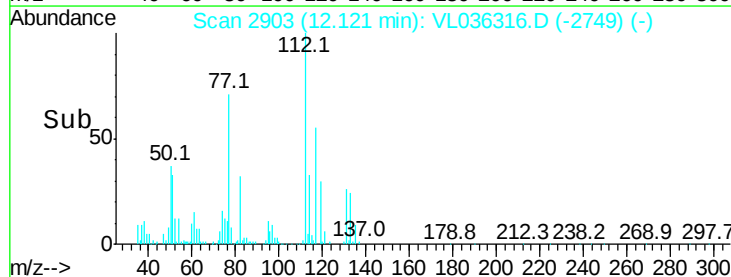
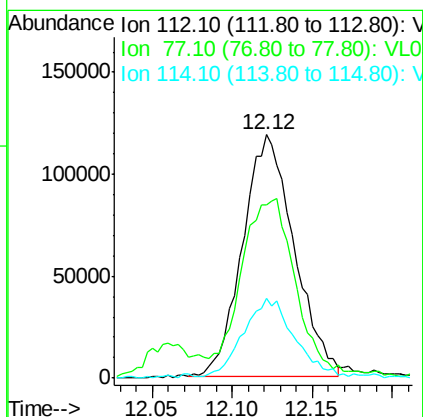
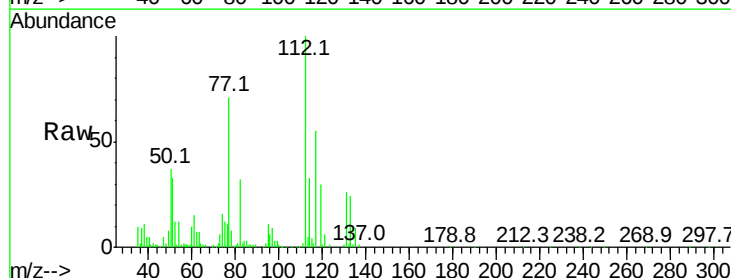
Tgt Ion:112 Resp: 260370

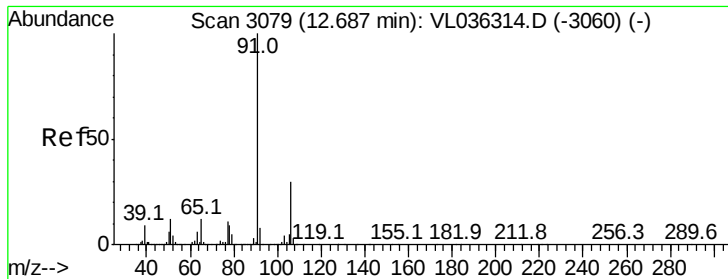
Ion Ratio Lower Upper

112 100

77 66.5 56.1 84.1

114 31.8 28.3 34.5





#58

Ethyl Benzene

Concen: 0.487 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

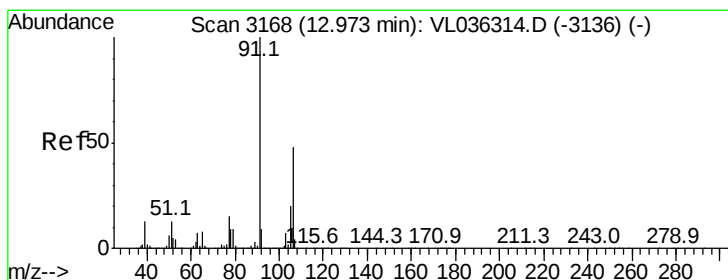
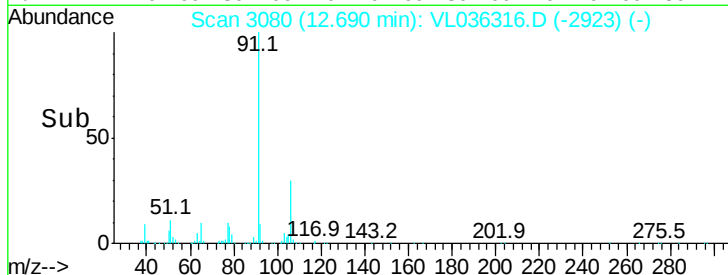
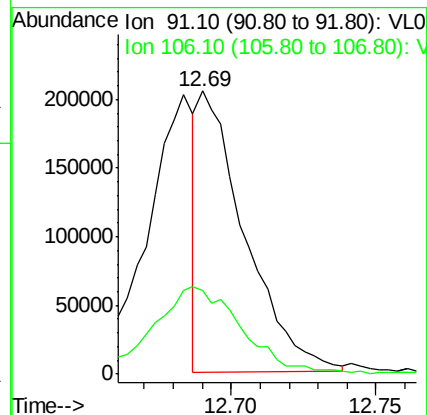
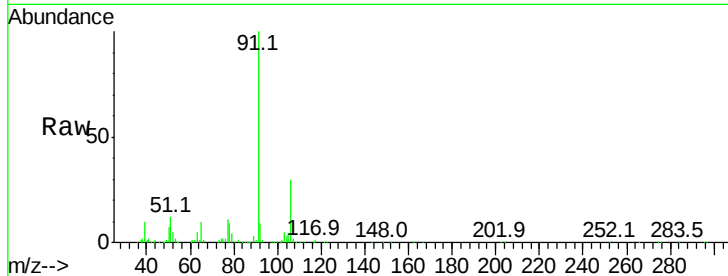
VSTDIC001

Tgt Ion: 91 Resp: 227250

Ion Ratio Lower Upper

91 100

106 29.4 23.8 35.6



#59

m/p-Xylene

Concen: 0.972 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VL036316.D

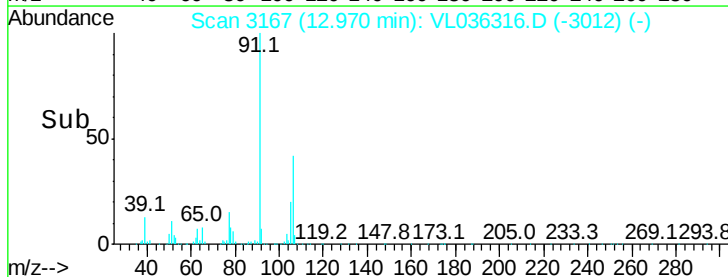
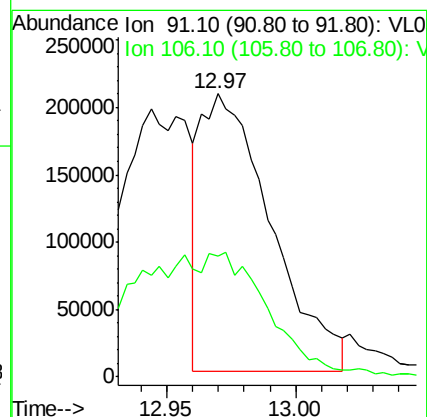
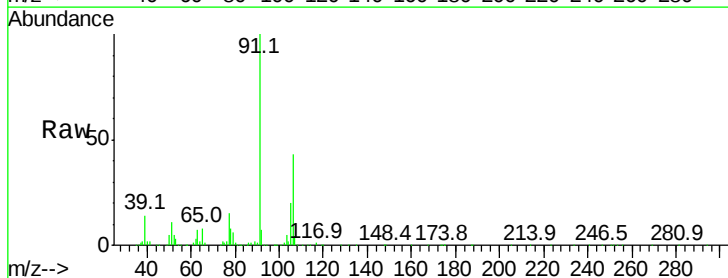
Acq: 10 Feb 2021 12:42

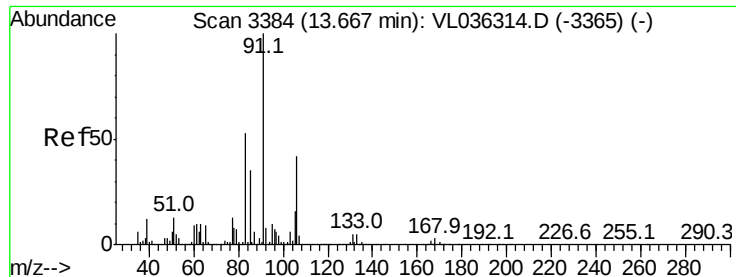
Tgt Ion: 91 Resp: 389465

Ion Ratio Lower Upper

91 100

106 89.2 34.2 51.2#





#60

o-Xylene

Concen: 1.074 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

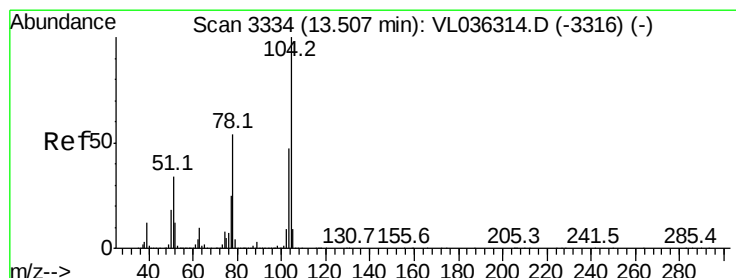
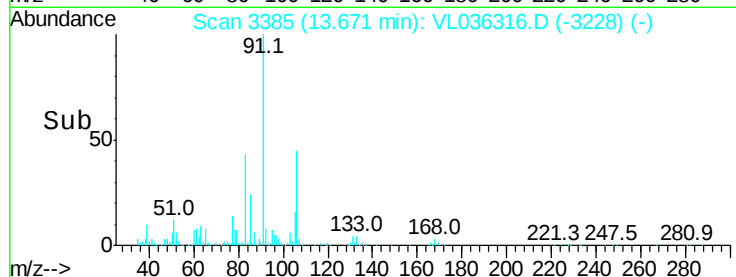
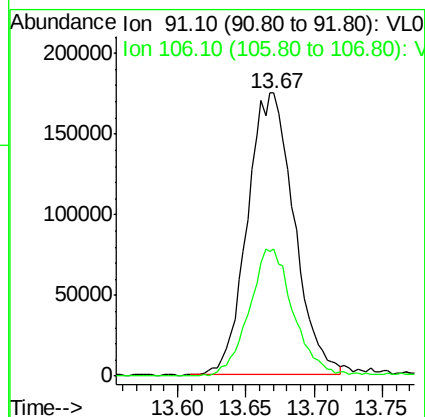
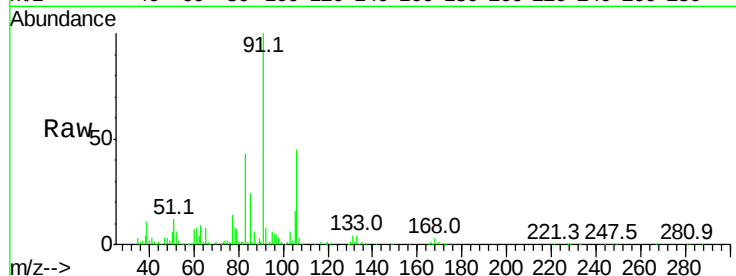
VSTDIC001

Tgt Ion: 91 Resp: 414970

Ion Ratio Lower Upper

91 100

106 43.9 22.0 66.0



#61

Styrene

Concen: 0.927 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

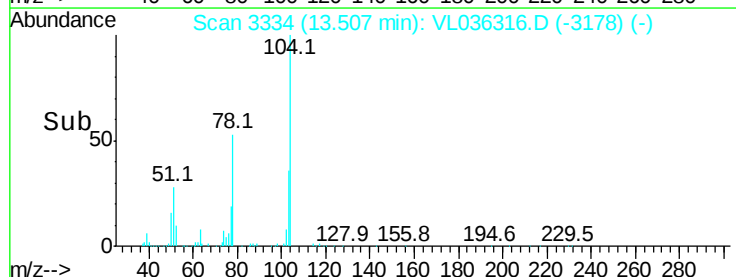
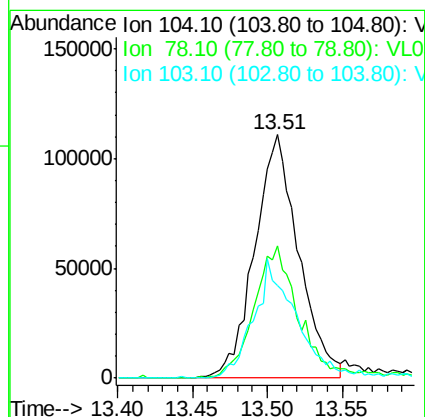
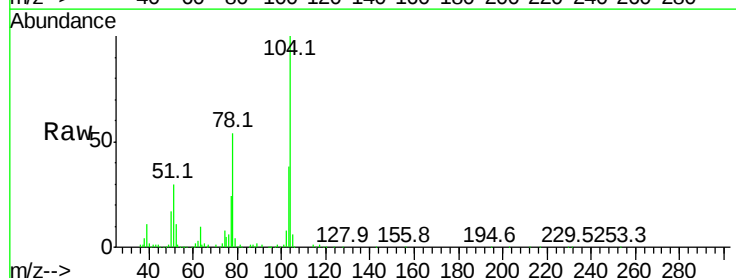
Tgt Ion: 104 Resp: 226304

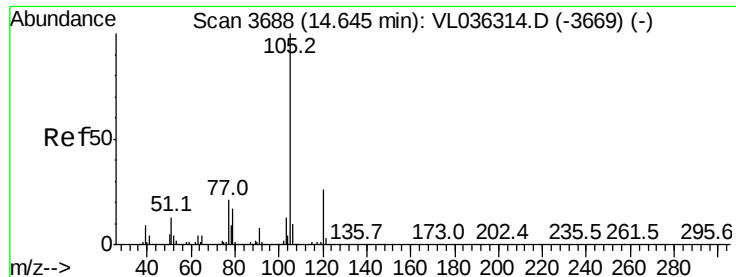
Ion Ratio Lower Upper

104 100

78 56.9 46.2 69.2

103 49.0 38.3 57.5





#62

Isopropylbenzene

Concen: 1.080 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

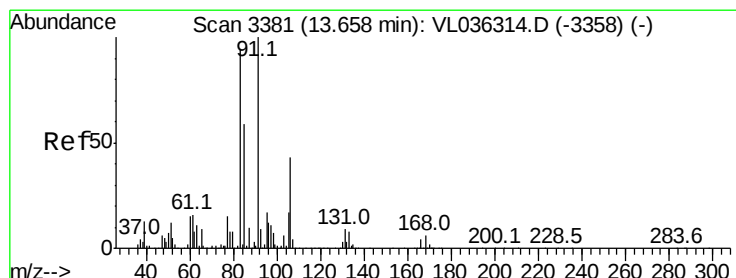
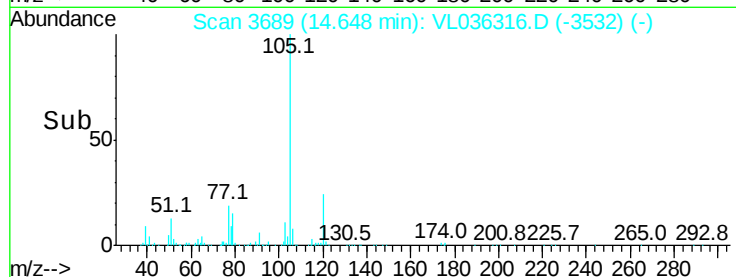
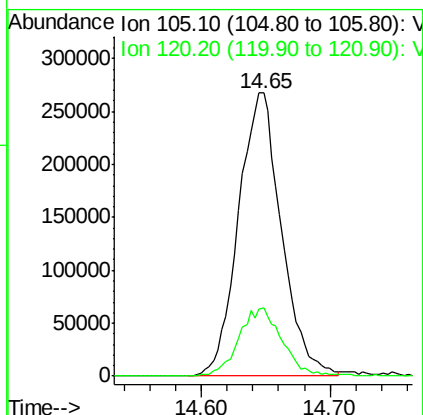
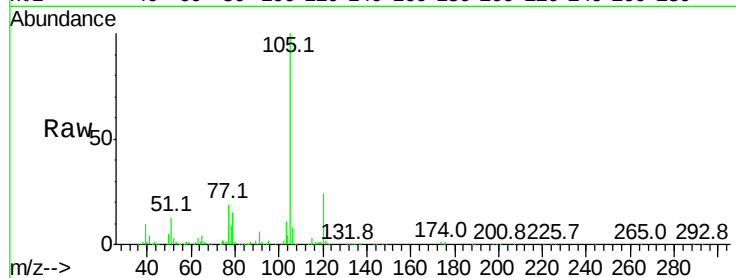
VSTDIC001

Tgt Ion:105 Resp: 620500

Ion Ratio Lower Upper

105 100

120 24.4 20.6 30.8



#63

1,1,2,2-Tetrachloroethane

Concen: 1.040 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

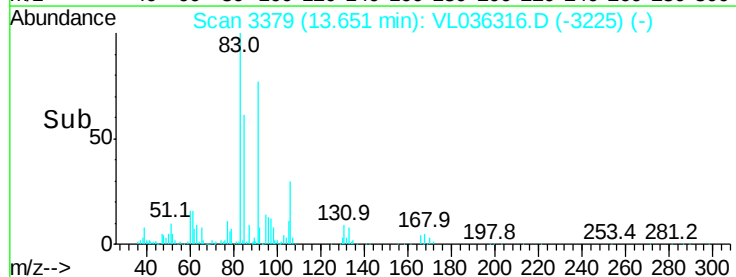
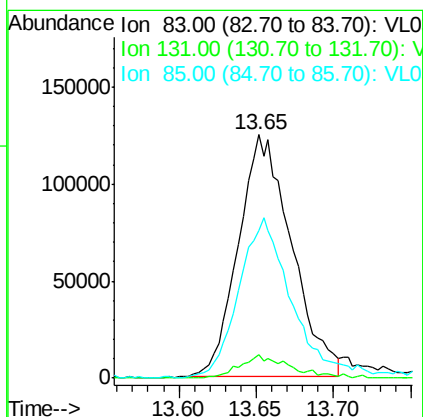
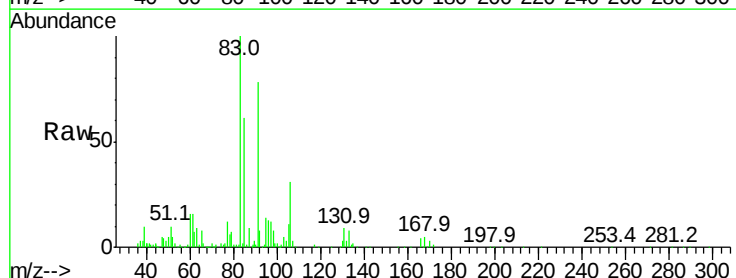
Tgt Ion: 83 Resp: 299214

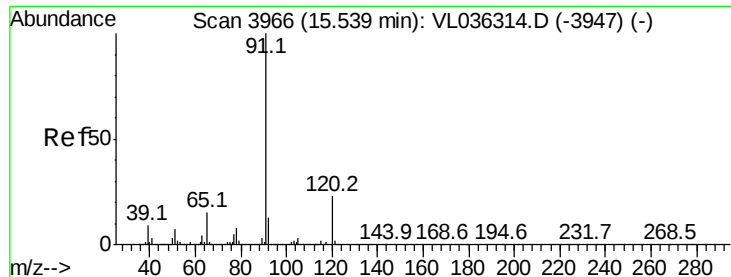
Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

85 68.7 33.0 98.9





#64

n-propylbenzene

Concen: 1.034 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

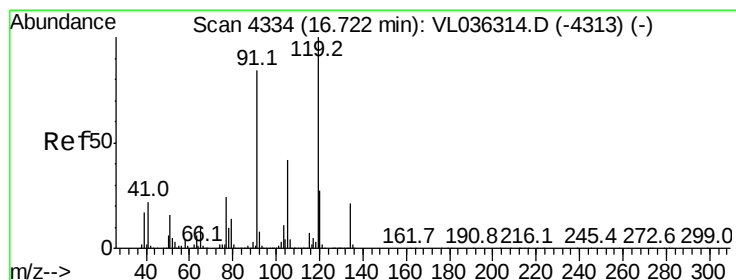
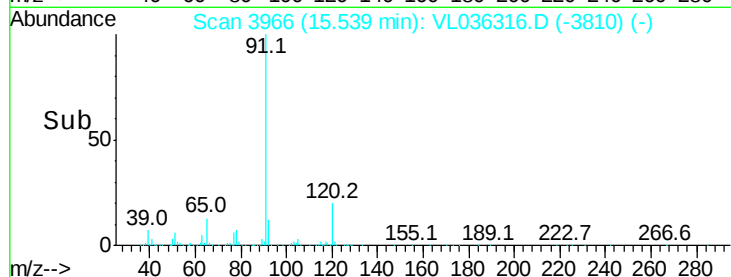
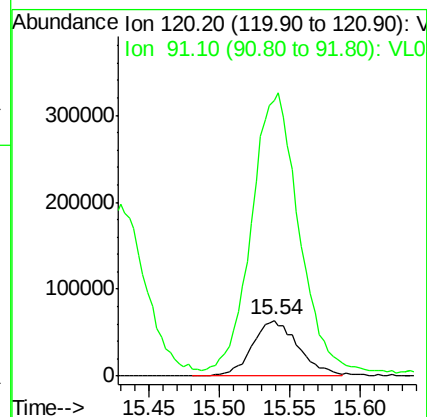
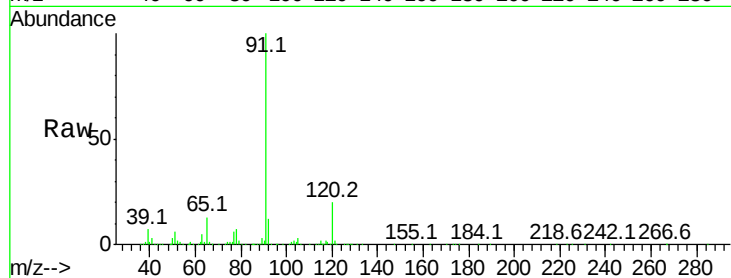
VSTDIC001

Tgt Ion:120 Resp: 145999

Ion Ratio Lower Upper

120 100

91 539.2 387.2 580.8



#65

tert-Butylbenzene

Concen: 1.123 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

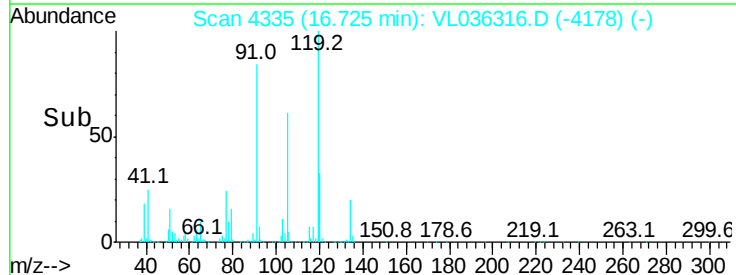
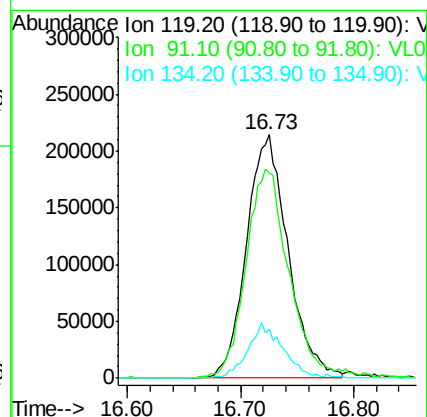
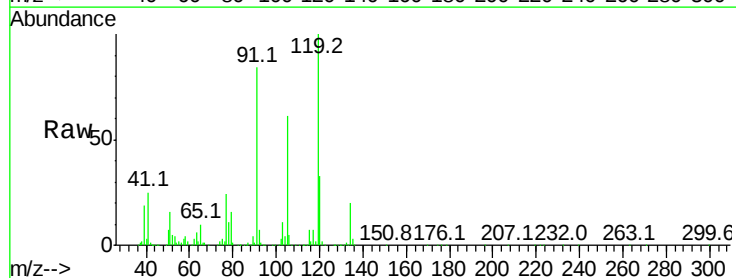
Tgt Ion:119 Resp: 546645

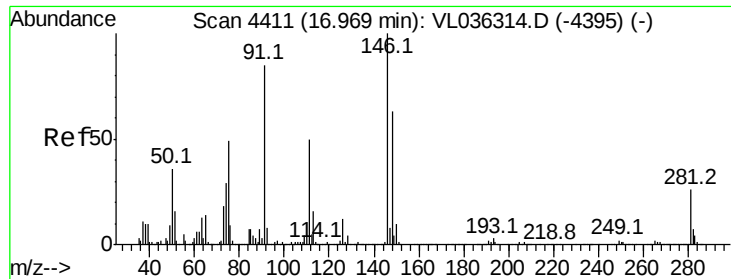
Ion Ratio Lower Upper

119 100

91 90.3 70.5 105.7

134 19.7 15.8 23.8

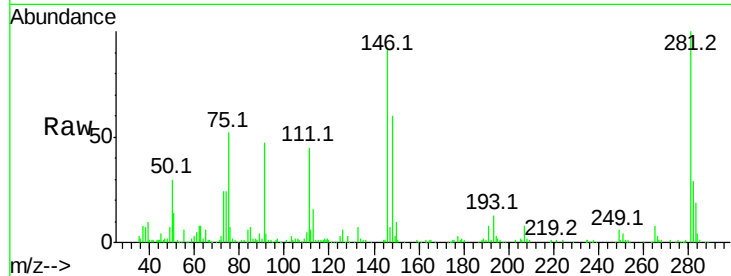




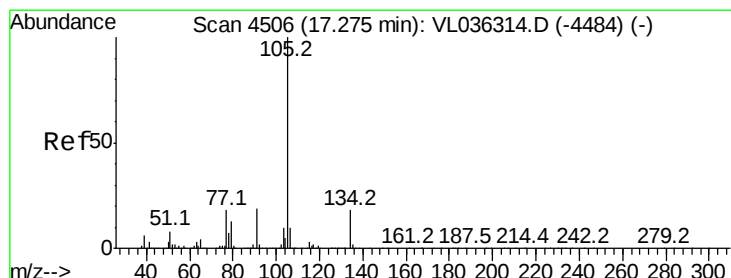
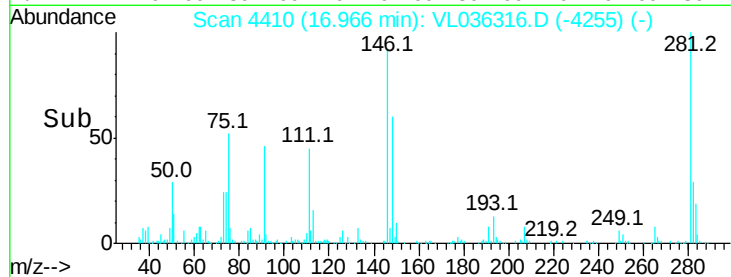
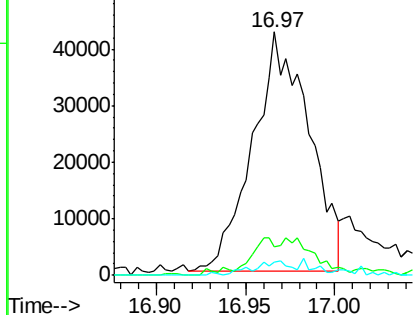
#66
Benzyl Chloride
Concen: 0.745 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 92607
Ion Ratio Lower Upper
91 100
126 19.8 12.9 19.3#
128 5.6 4.2 6.2

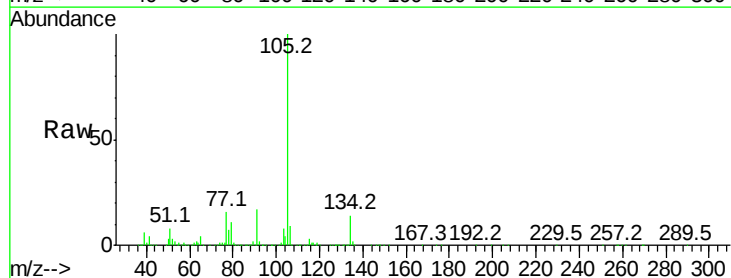


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

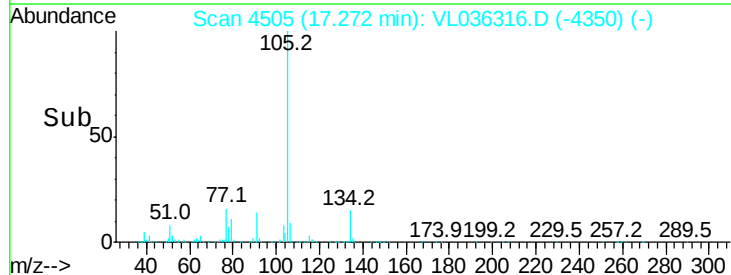
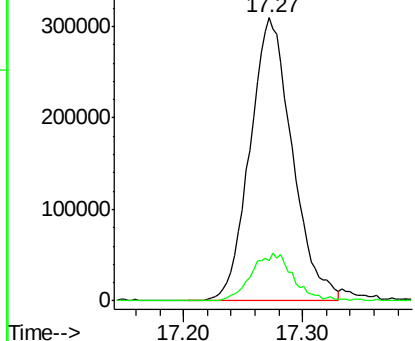


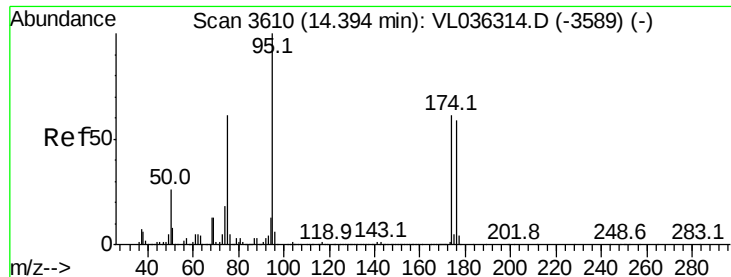
#67
sec-Butylbenzene
Concen: 1.052 ppbv
RT: 17.27 min Scan# 4505
Delta R.T. -0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion: 105 Resp: 760414
Ion Ratio Lower Upper
105 100
134 17.1 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

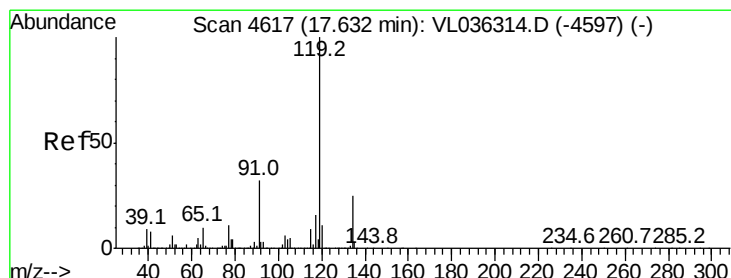
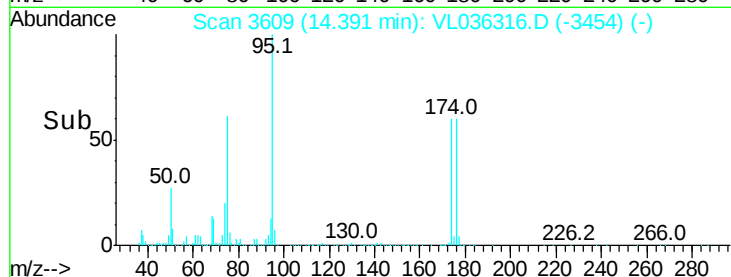
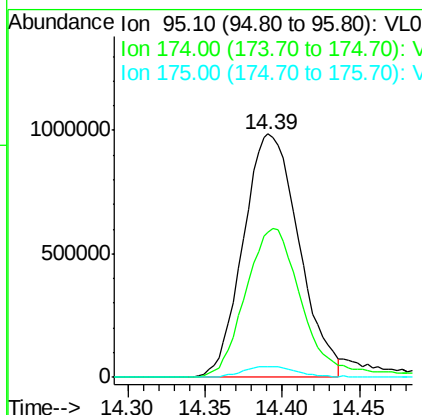
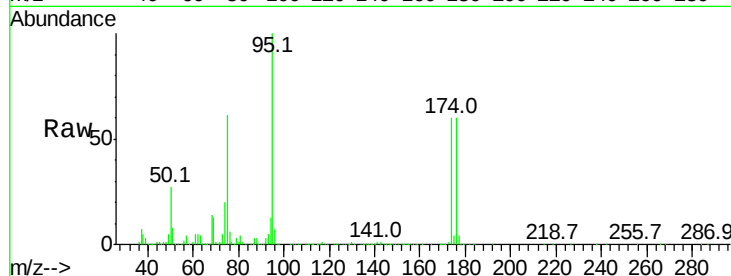




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.460 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

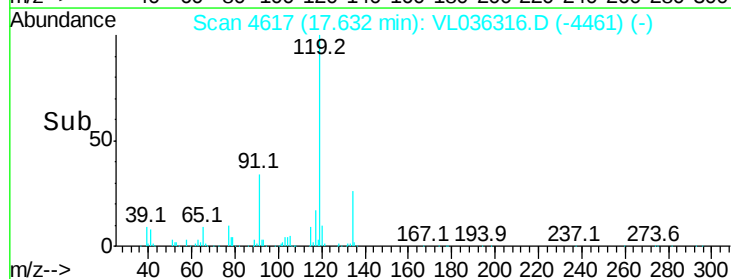
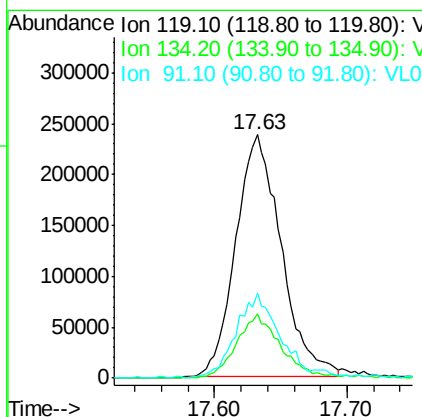
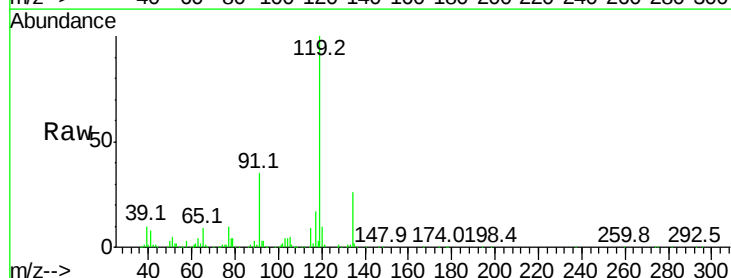
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

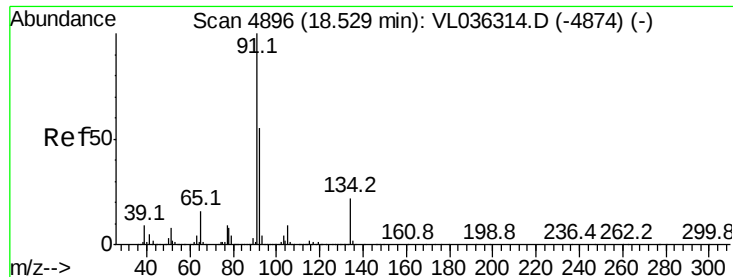
Tgt Ion: 95 Resp: 2461501
 Ion Ratio Lower Upper
 95 100
 174 65.3 49.8 74.6
 175 4.6 3.7 5.5



#69
 p-Isopropyltoluene
 Concen: 0.994 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion: 119 Resp: 569845
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.1 30.1
 91 34.9 25.8 38.6

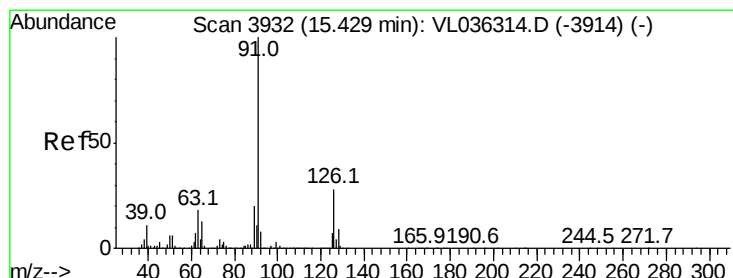
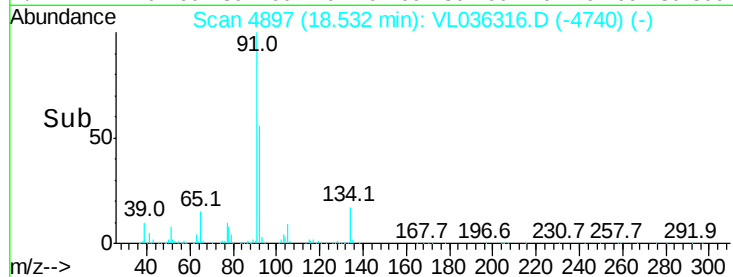
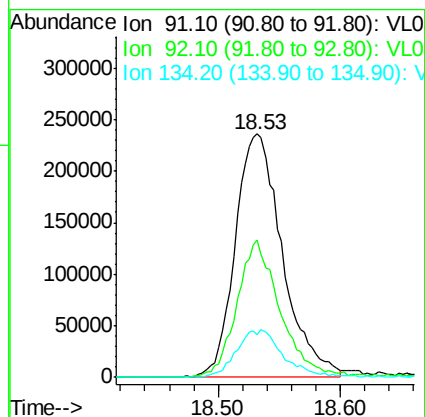
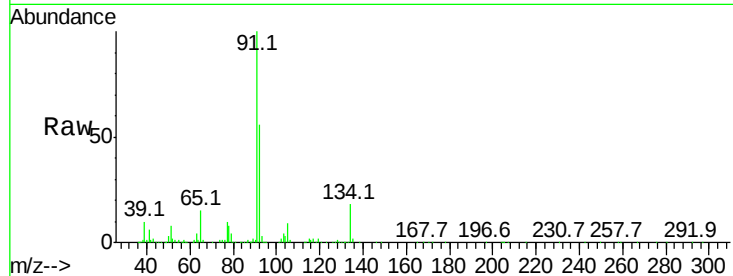




#70
n-Butylbenzene
Concen: 1.024 ppbv
RT: 18.53 min Scan# 4897
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

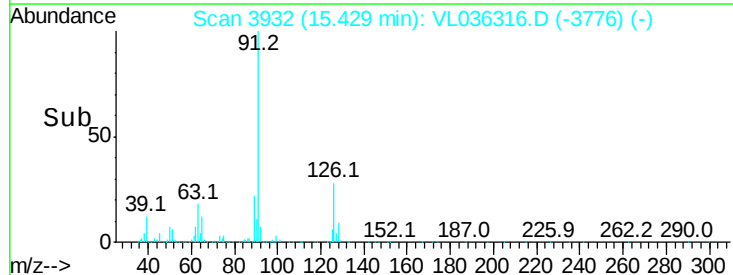
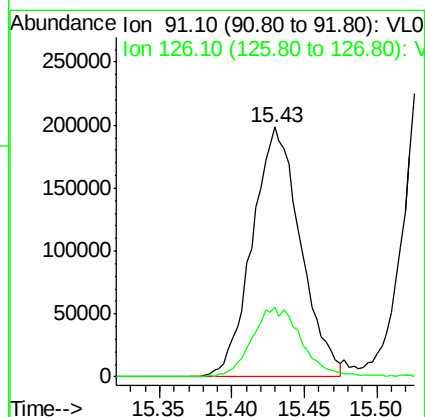
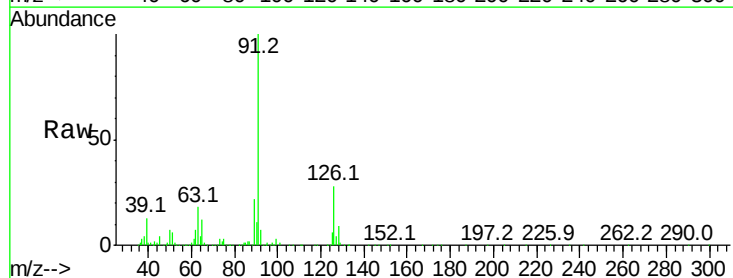
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

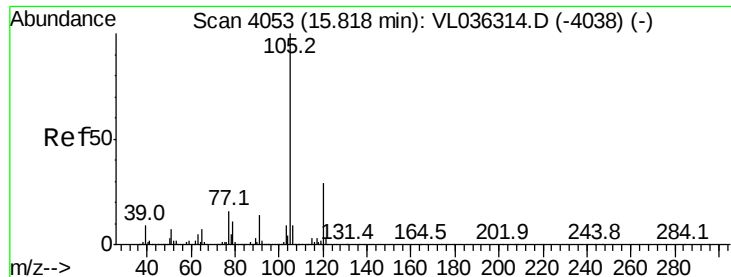
Tgt Ion: 91 Resp: 625463
Ion Ratio Lower Upper
91 100
92 53.3 43.7 65.5
134 20.0 17.4 26.0



#71
2-Chlorotoluene
Concen: 1.014 ppbv
RT: 15.43 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VL036316.D
Acq: 10 Feb 2021 12:42

Tgt Ion: 91 Resp: 457906
Ion Ratio Lower Upper
91 100
126 28.9 11.5 46.1





#72

4-Ethyltoluene

Concen: 0.429 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 186926

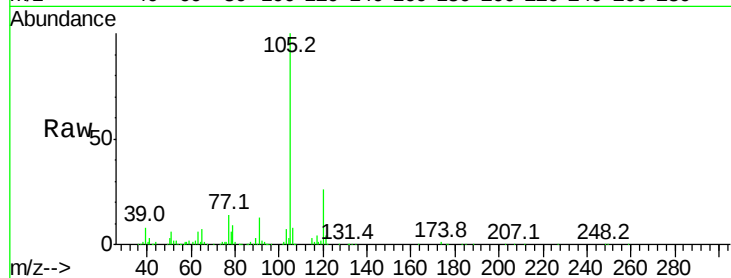
Ion Ratio Lower Upper

105 100

120 69.5 23.2 34.8#

91 0.0 11.0 16.4#

77 0.0 12.2 18.4#

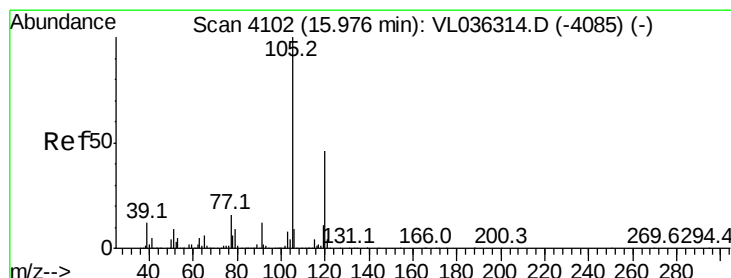
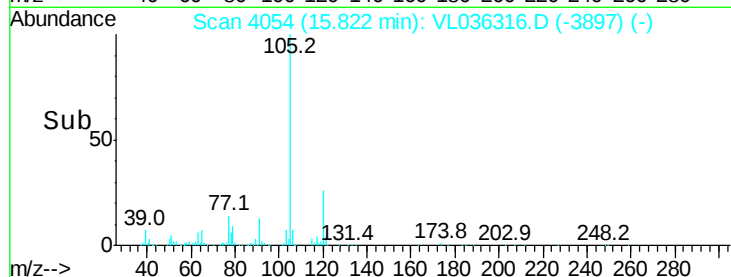
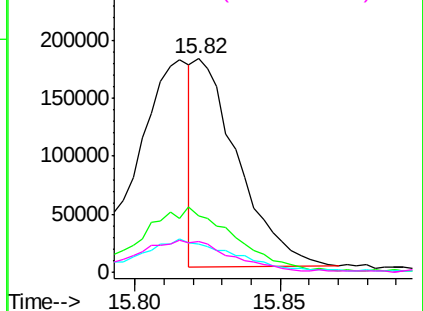


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.992 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.00 min

Lab File: VL036316.D

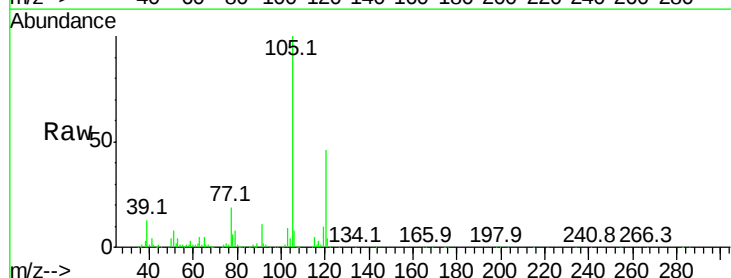
Acq: 10 Feb 2021 12:42

Tgt Ion:105 Resp: 412232

Ion Ratio Lower Upper

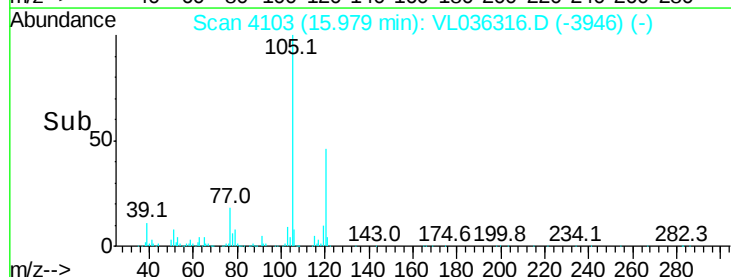
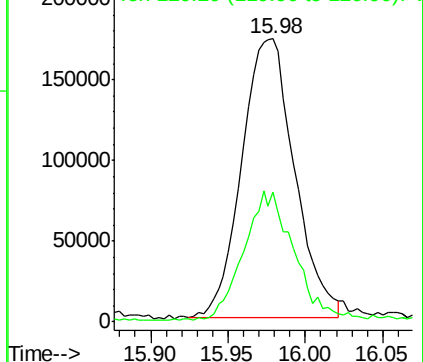
105 100

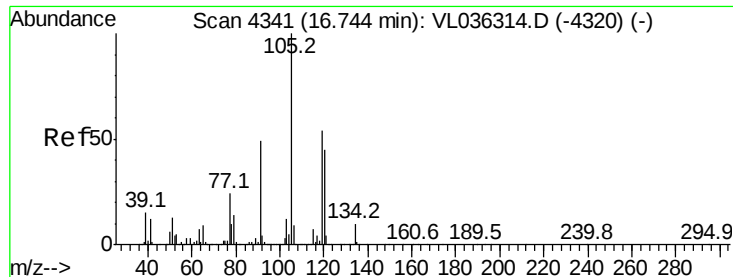
120 45.3 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.065 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

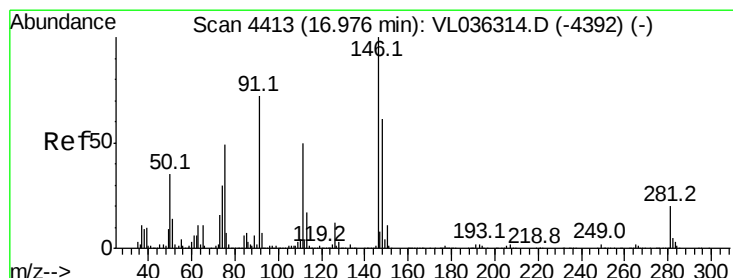
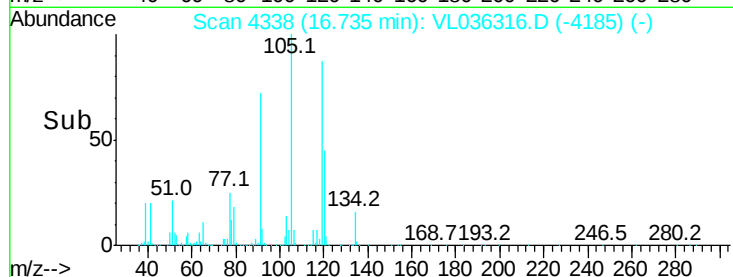
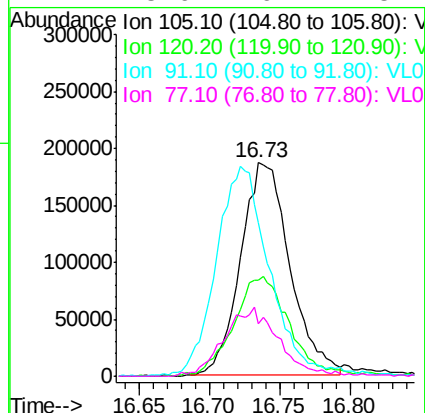
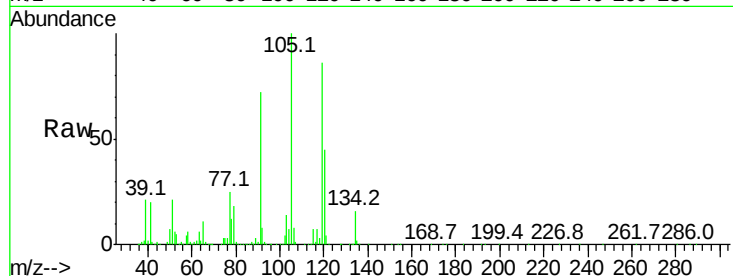
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:	105	Resp:	454099
Ion	Ratio	Lower	Upper
105	100		
120	44.0	35.8	53.6
91	68.5	39.8	59.6
77	23.6	19.1	28.7



#75

1,3-Dichlorobenzene

Concen: 1.015 ppbv

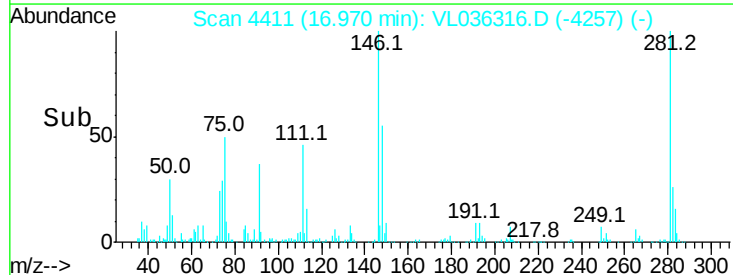
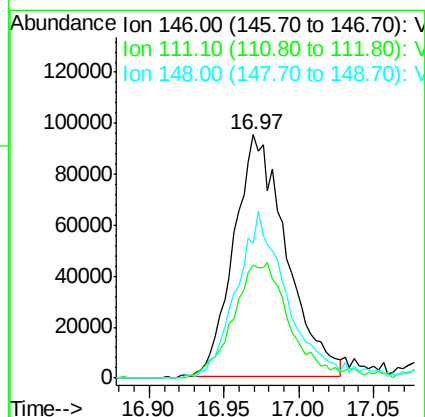
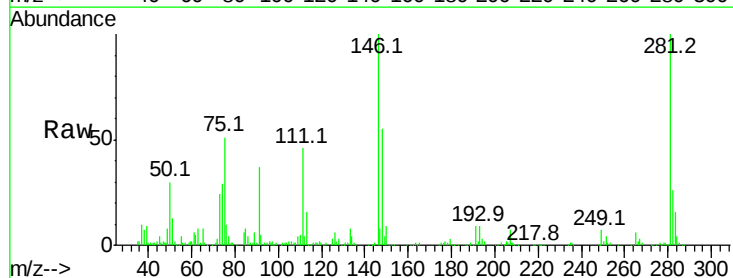
RT: 16.97 min Scan# 4411

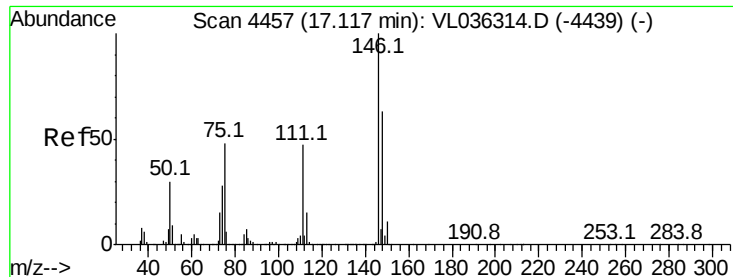
Delta R.T. -0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Tgt Ion:	146	Resp:	232085
Ion	Ratio	Lower	Upper
146	100		
111	51.4	24.9	74.6
148	67.3	31.9	95.9

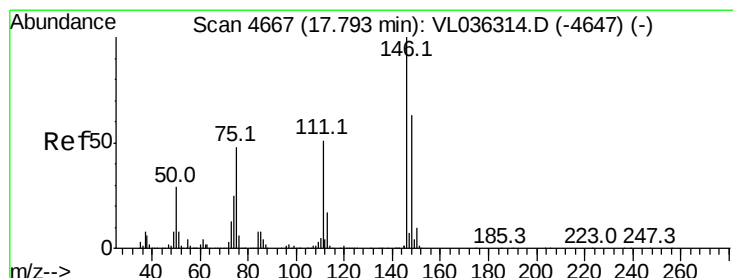
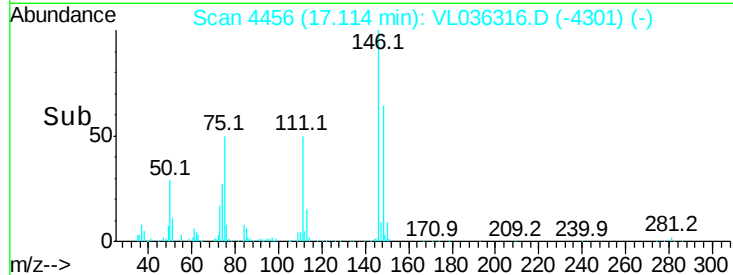
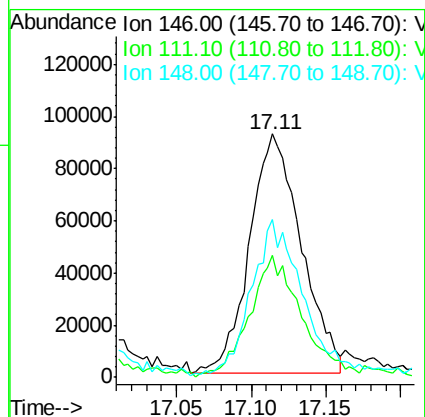
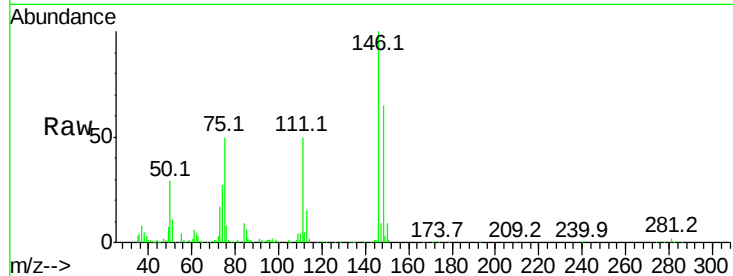




#76
 1,4-Dichlorobenzene
 Concen: 0.972 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

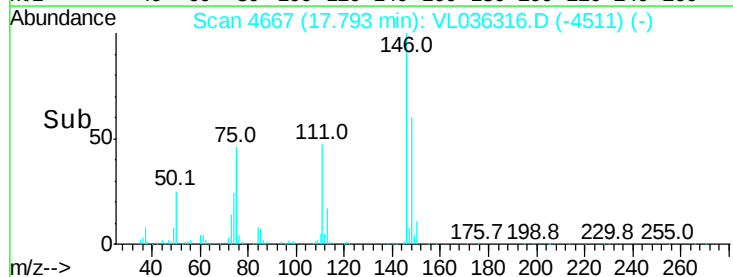
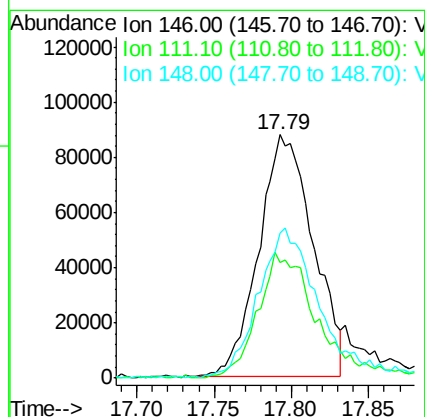
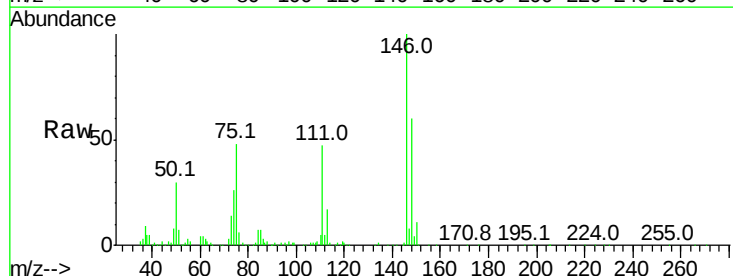
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

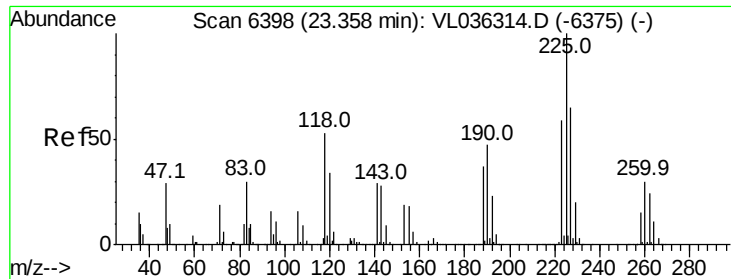
Tgt Ion:146 Resp: 219626
 Ion Ratio Lower Upper
 146 100
 111 51.1 23.6 71.0
 148 67.4 31.6 95.0



#77
 1,2-Dichlorobenzene
 Concen: 0.955 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. 0.00 min
 Lab File: VL036316.D
 Acq: 10 Feb 2021 12:42

Tgt Ion:146 Resp: 213370
 Ion Ratio Lower Upper
 146 100
 111 58.2 25.9 77.8
 148 70.0 32.5 97.4





#78

Hexachloro-1,3-Butadiene

Concen: 0.551 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

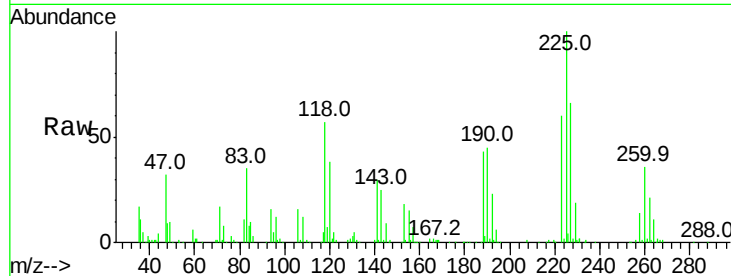
Tgt Ion:225 Resp: 98472

Ion Ratio Lower Upper

225 100

223 135.2 50.8 76.2#

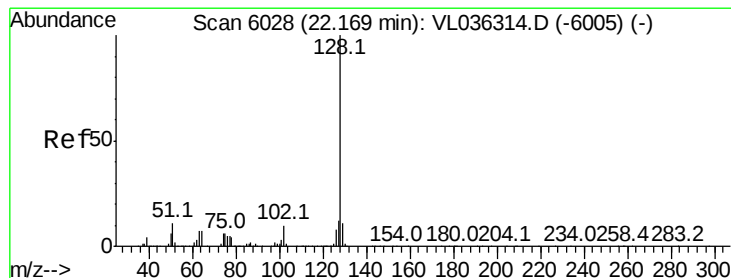
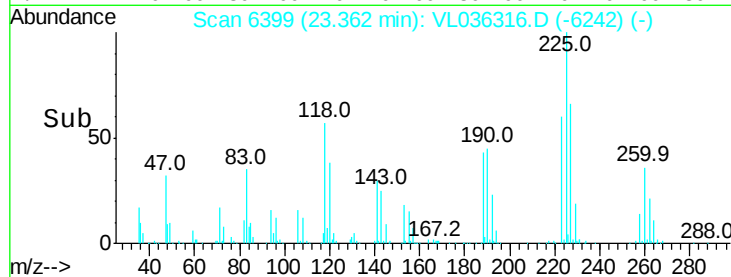
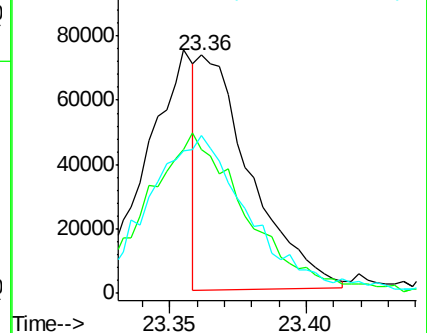
227 132.0 52.2 78.2#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.214 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

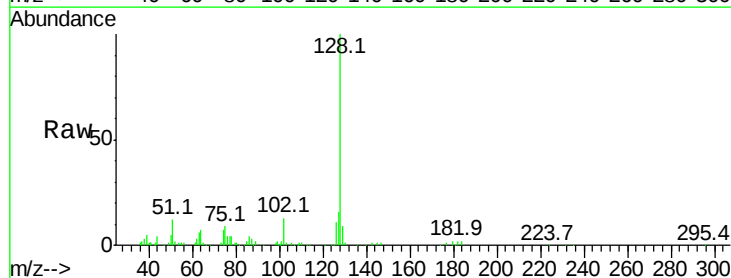
Tgt Ion:128 Resp: 53224

Ion Ratio Lower Upper

128 100

127 22.2 9.6 14.4#

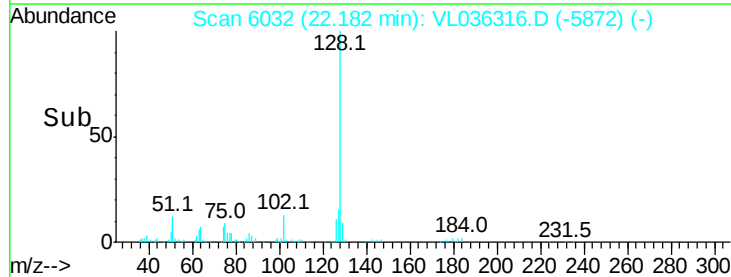
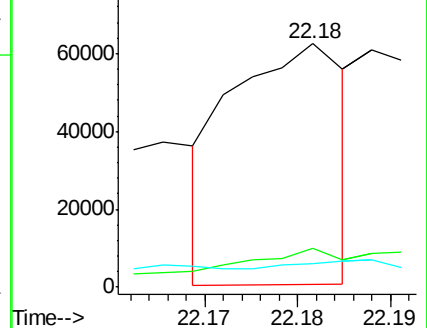
129 1.3 8.5 12.7#

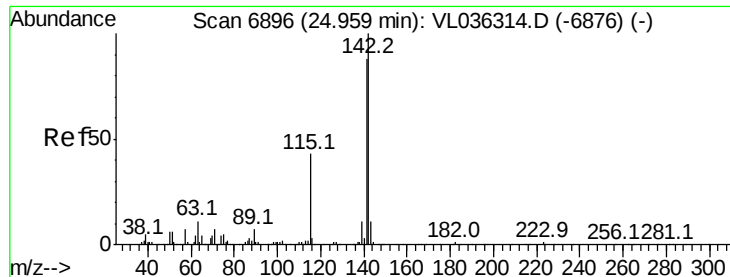


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.290 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. 0.05 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

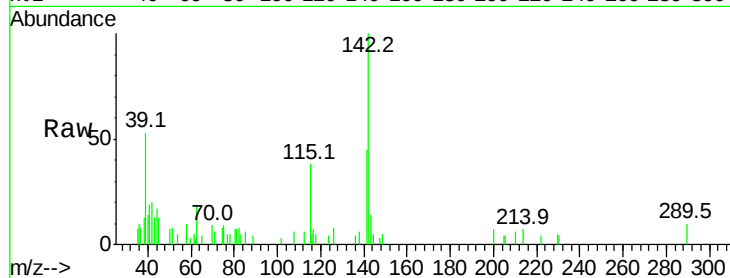
Tgt Ion:142 Resp: 15438

Ion Ratio Lower Upper

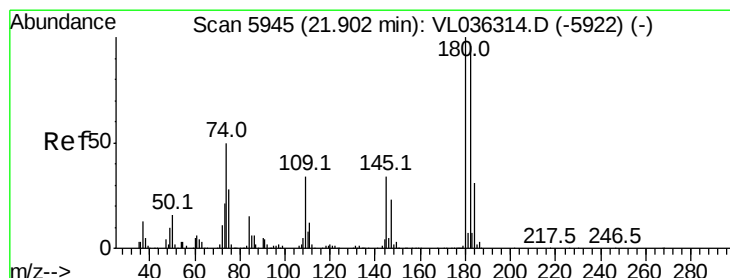
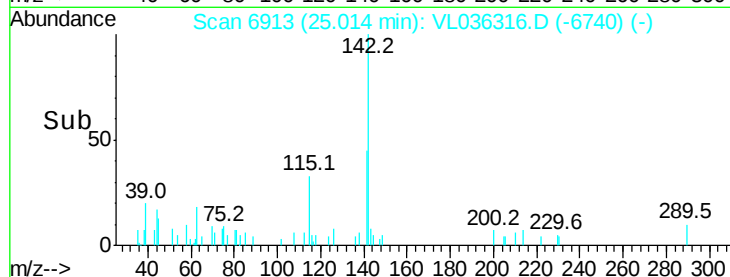
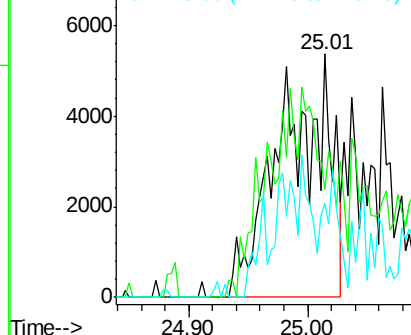
142 100

141 0.0 64.4 96.6#

115 31.6 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: 0.406 ppbv

RT: 21.91 min Scan# 5948

Delta R.T. 0.01 min

Lab File: VL036316.D

Acq: 10 Feb 2021 12:42

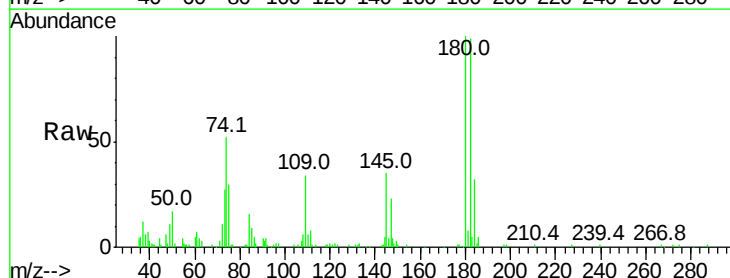
Tgt Ion:180 Resp: 59015

Ion Ratio Lower Upper

180 100

182 250.4 80.2 120.4#

184 80.0 25.0 37.6#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V

