

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034948.D
 Acq On : 6 May 2020 18:55
 Operator : SY/AP
 Sample : L2182-13 0.4
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 06:33:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1136951	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2640726	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2435532	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2061291	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	94488	0.586 ppbv	96
3) Chlorodifluoromethane	2.95	51	58768	0.453 ppbv	100
4) Chloromethane	3.10	50	34414	0.463 ppbv	94
5) Vinyl Chloride	3.22	62	27827	0.383 ppbv #	85
6) Bromomethane	3.44	94	18828	0.435 ppbv	89
7) Chloroethane	3.52	64	5670	0.218 ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	82092	0.492 ppbv	95
9) Propene	2.97	41	20760	0.369 ppbv	94
10) Heptane	8.14	43	46428	0.329 ppbv	98
11) Trichlorofluoromethane	3.92	101	74695	0.449 ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	51940	0.438 ppbv	92
13) Ethanol	3.57	45	1406	0.076 ppbv #	39
14) Bromoethene	3.71	108	21587	0.441 ppbv #	91
15) Acetone	3.83	43	73470	0.489 ppbv	92
16) 1,3-Butadiene	3.29	39	23707	0.367 ppbv	95
17) tert-Butyl alcohol	4.28	59	54308	0.406 ppbv	95
18) 1,1-Dichloroethene	4.27	96	21718	0.423 ppbv	98
19) Isopropyl Alcohol	3.96	45	45303	0.452 ppbv #	88
20) Methylene Chloride	4.33	84	23208	0.466 ppbv #	84
21) Allyl Chloride	4.39	41	33798	0.398 ppbv	93
22) trans-1,2-Dichloroethene	4.87	96	20079	0.394 ppbv	95
23) Vinyl Acetate	5.06	43	64043	0.336 ppbv #	92
24) 1,1-Dichloroethane	5.00	63	66986	0.456 ppbv	99
25) Ethyl Acetate	5.68	43	101522	0.402 ppbv	97
26) Hexane	5.68	57	25210	0.230 ppbv #	2
27) Carbon Disulfide	4.54	76	45504	0.353 ppbv #	85
28) Methyl tert-Butyl Ether	5.03	73	56360	0.338 ppbv	93
29) Chloroform	5.75	83	83412	0.466 ppbv	96
30) Cyclohexane	7.14	84	17846	0.211 ppbv #	74
31) cis-1,2-Dichloroethene	5.55	61	37320	0.349 ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	72470	0.448 ppbv	97
34) 2-Butanone	5.25	43	58012	0.353 ppbv	98
35) Carbon Tetrachloride	7.02	117	69122	0.415 ppbv	98
36) Benzene	6.90	78	73297	0.337 ppbv	97
37) 1,2-Dichloroethane	6.31	62	53521	0.399 ppbv	98
38) Trichloroethene	7.85	130	30011	0.356 ppbv #	68
39) 1,2-Dichloropropane	7.62	63	16781	0.192 ppbv	96
40) 1,4-Dioxane	7.86	88	2284	0.064 ppbv #	1
42) Bromodichloromethane	7.80	83	70433	0.389 ppbv #	91
43) Methyl Methacrylate	8.03	69	25558	0.278 ppbv	85
44) 2,2,4-Trimethylpentane	7.88	57	81094	0.210 ppbv #	42

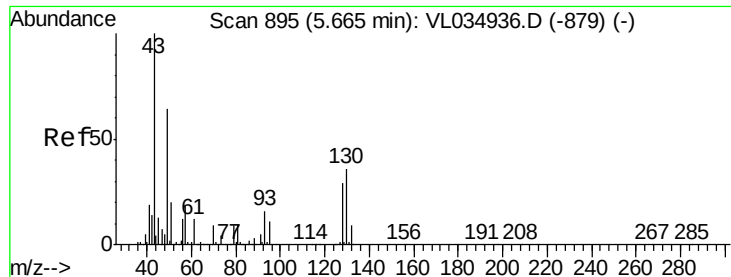
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034948.D
 Acq On : 6 May 2020 18:55
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 Sample : L2182-13 0.4
 Misc : 400ml/MSVOA L
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Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 06:33:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	7359	0.079	ppbv	95
46) cis-1,3-Dichloropropene	8.72	75	18091	0.159	ppbv	94
47) 1,1,2-Trichloroethane	9.49	97	14803	0.161	ppbv #	93
48) Dibromochloromethane	10.33	129	49638	0.350	ppbv	99
49) Bromoform	13.08	173	42680	0.350	ppbv	98
50) 4-Methyl-2-Pentanone	8.78	43	70422	0.301	ppbv	100
51) 2-Hexanone	10.18	43	50575	0.276	ppbv #	91
52) Tetrachloroethene	11.25	164	16152	0.209	ppbv #	85
53) Toluene	9.83	91	65806	0.285	ppbv	95
54) 1,2-Dibromoethane	10.64	107	50478	0.373	ppbv	83
56) 1,1,1,2-Tetrachloroethane	12.17	131	18153	0.165	ppbv #	8
57) Chlorobenzene	12.18	112	82675	0.428	ppbv #	85
58) Ethyl Benzene	12.75	91	87069	0.289	ppbv	89
59) m/p-Xylene	13.03	91	59887	0.226	ppbv #	47
60) o-Xylene	13.73	91	87455	0.334	ppbv	98
61) Styrene	13.56	104	12980	0.078	ppbv #	1
62) Isopropylbenzene	14.71	105	136876	0.351	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	46688	0.227	ppbv #	25
64) n-propylbenzene	15.61	120	19965	0.199	ppbv #	1
65) tert-Butylbenzene	16.79	119	113462	0.335	ppbv	93
66) Benzyl Chloride	17.04	91	15403	0.134	ppbv #	53
67) sec-Butylbenzene	17.35	105	169164	0.350	ppbv	98
69) p-Isopropyltoluene	17.70	119	61620	0.158	ppbv #	39
70) n-Butylbenzene	18.61	91	135406	0.325	ppbv	98
71) 2-Chlorotoluene	15.50	91	52187	0.177	ppbv #	56
72) 4-Ethyltoluene	15.88	105	86229	0.296	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.04	105	89526	0.315	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	112819	0.364	ppbv #	92
75) 1,3-Dichlorobenzene	17.05	146	33669	0.185	ppbv #	22
76) 1,4-Dichlorobenzene	17.18	146	34872	0.202	ppbv #	21
77) 1,2-Dichlorobenzene	17.87	146	69896	0.408	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	33368	0.228	ppbv #	27
79) Naphthalene	22.28	128	43894	0.182	ppbv #	92
80) Naphthalene,2-methyl-	25.02	142	7277	0.123	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.00	180	47311	0.323	ppbv	96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

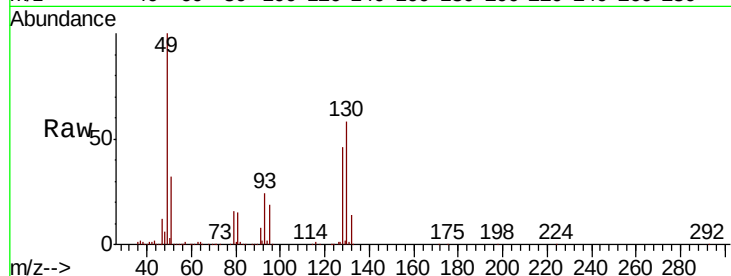
Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1136951

Ion	Ratio	Lower	Upper
49	100		
128	45.3	22.1	66.5
130	58.3	29.1	87.3



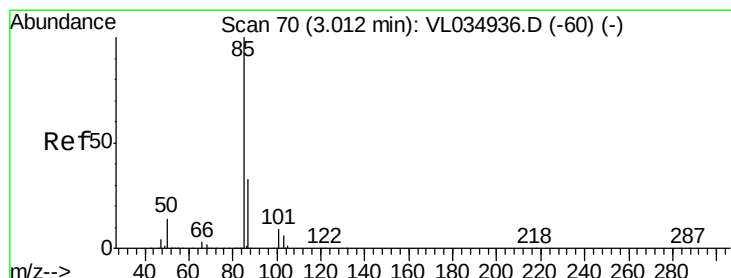
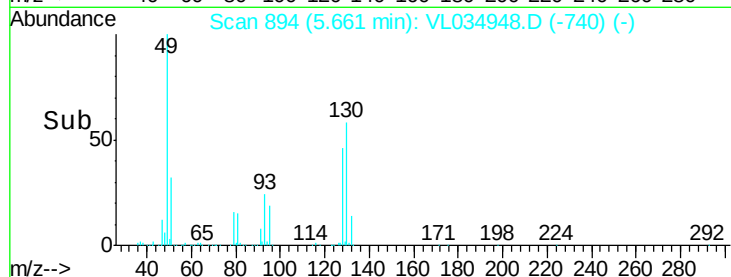
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 0.586 ppbv

RT: 3.01 min Scan# 69

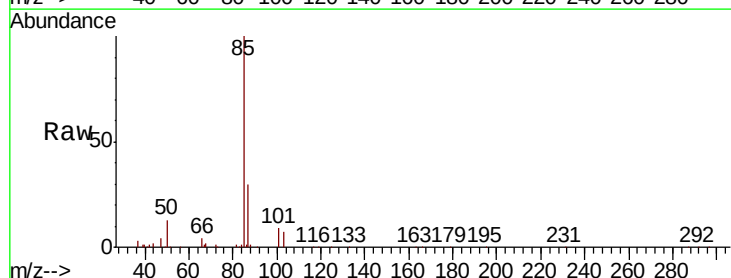
Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion: 85 Resp: 94488

Ion	Ratio	Lower	Upper
85	100		
87	30.2	26.2	39.2

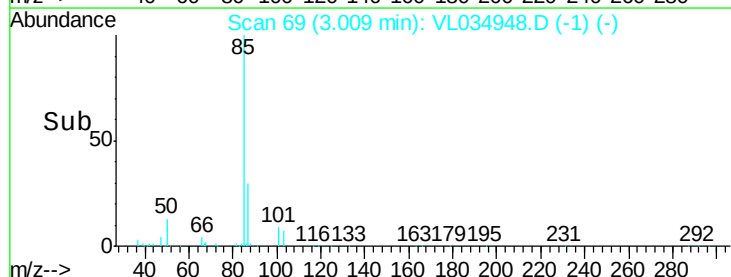


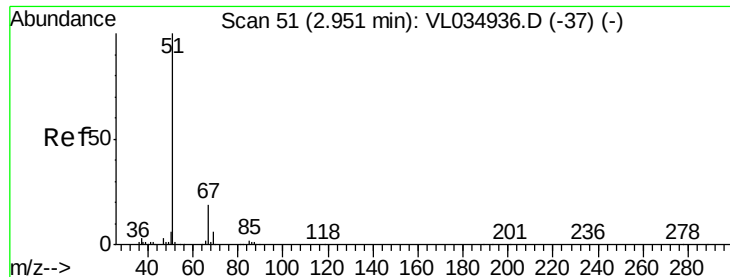
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.01

Time-->





#3

Chlorodifluoromethane

Concen: 0.453 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

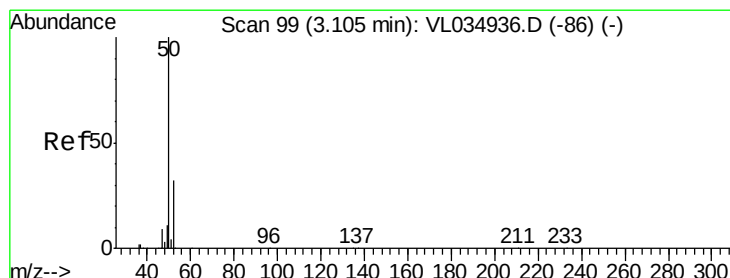
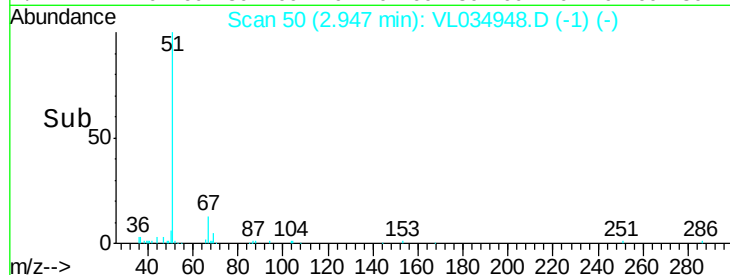
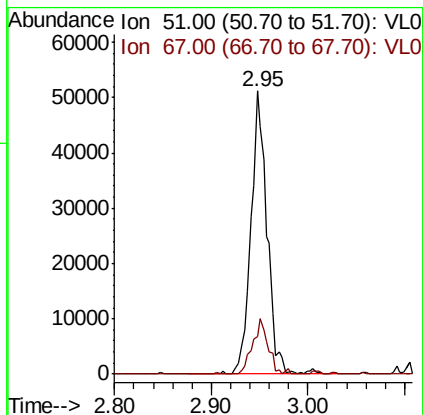
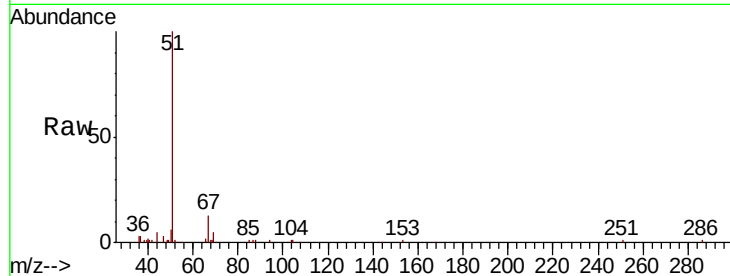
ClientSampleId :

Tot Ion: 51 Resp: 58768

Ion Ratio Lower Upper

51 100

67 18.9 15.0 22.6



#4

Chloromethane

Concen: 0.463 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.00 min

Lab File: VL034948.D

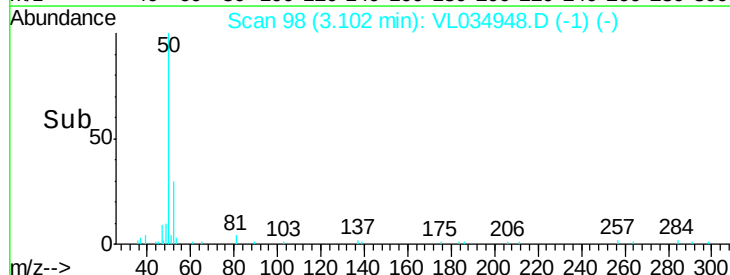
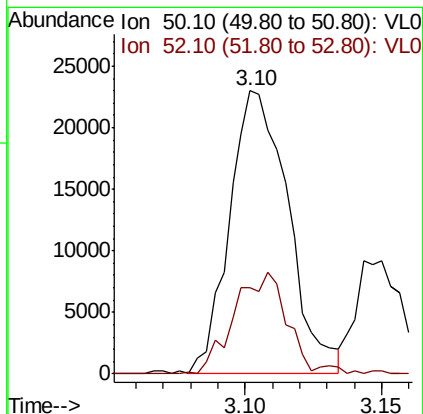
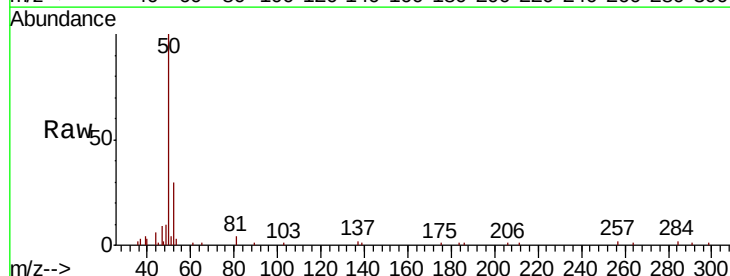
Acq: 6 May 2020 18:55

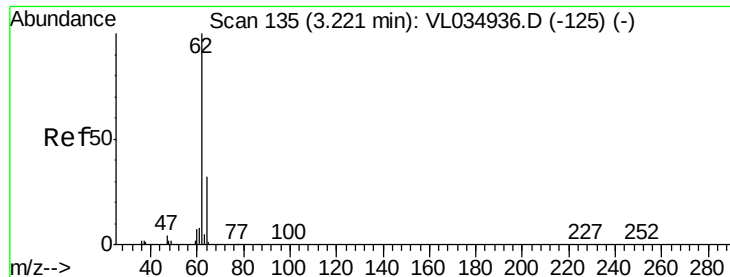
Tgt Ion: 50 Resp: 34414

Ion Ratio Lower Upper

50 100

52 28.5 25.4 38.2





#5

Vinyl Chloride

Concen: 0.383 ppbv

RT: 3.22 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

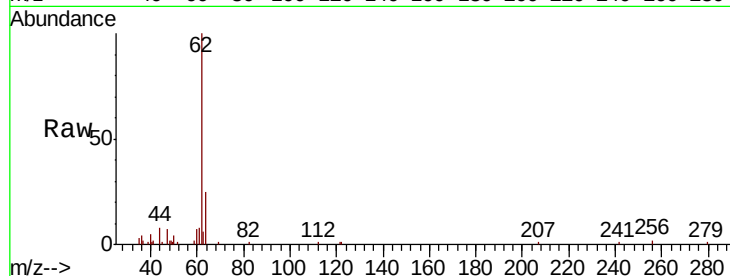
ClientSampleId :

Tot Ion: 62 Resp: 27827

Ion Ratio Lower Upper

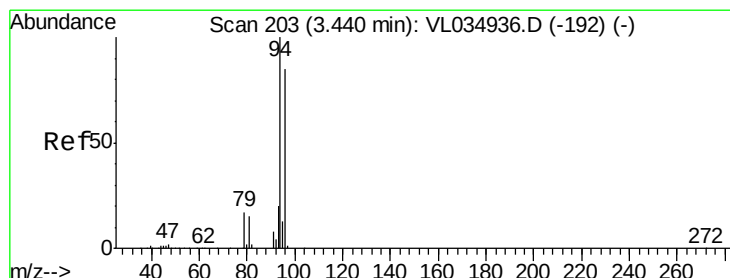
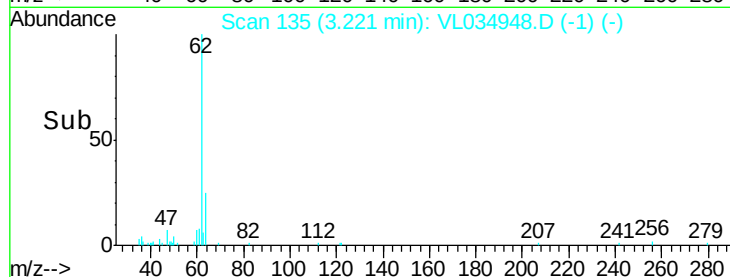
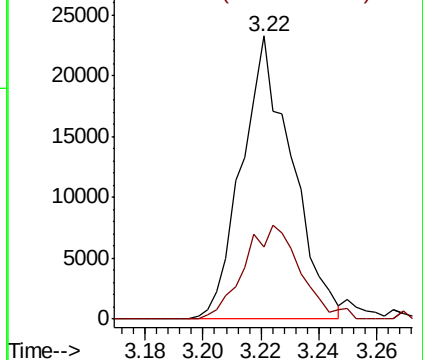
62 100

64 24.0 25.7 38.5#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.435 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034948.D

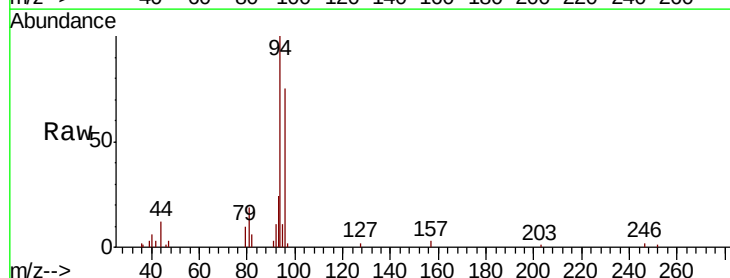
Acq: 6 May 2020 18:55

Tgt Ion: 94 Resp: 18828

Ion Ratio Lower Upper

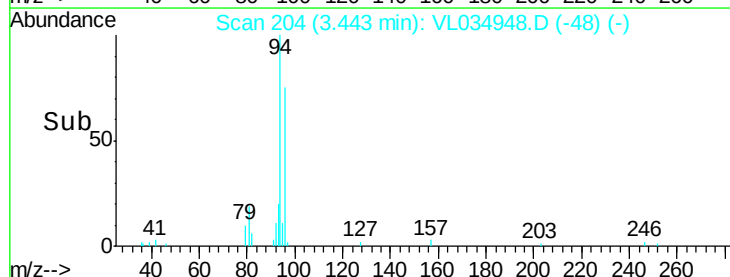
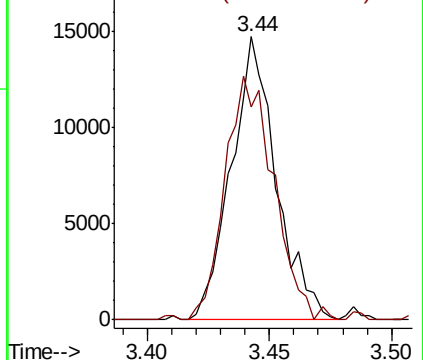
94 100

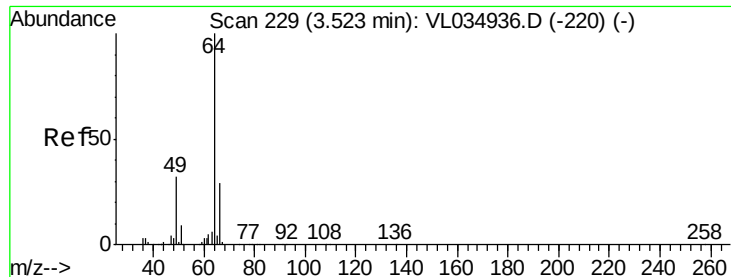
96 75.3 67.9 101.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.218 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

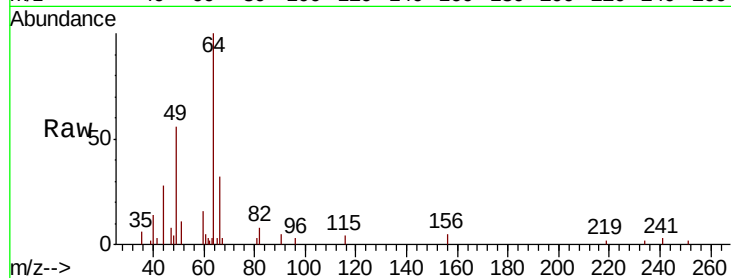
ClientSampleId :

Tot Ion: 64 Resp: 5670

Ion Ratio Lower Upper

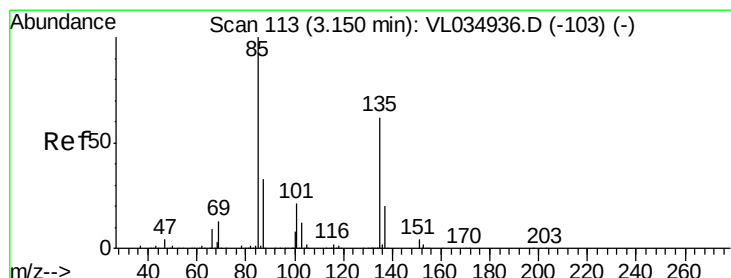
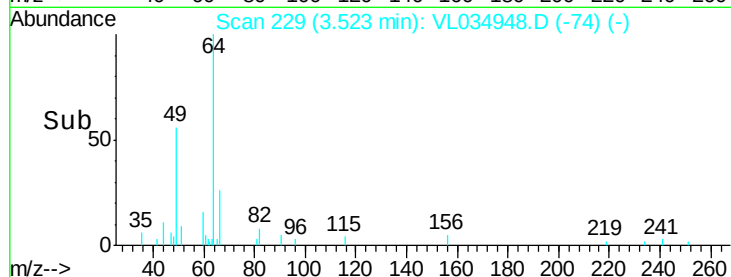
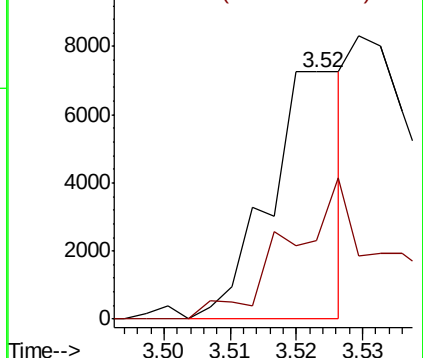
64 100

66 31.6 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.492 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034948.D

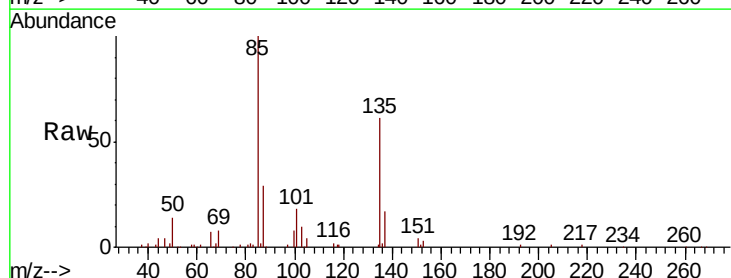
Acq: 6 May 2020 18:55

Tgt Ion: 85 Resp: 82092

Ion Ratio Lower Upper

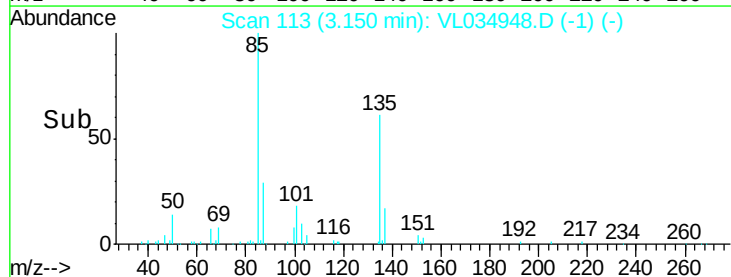
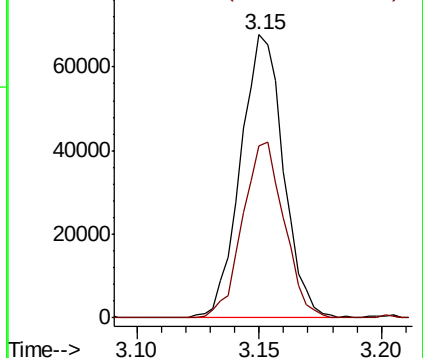
85 100

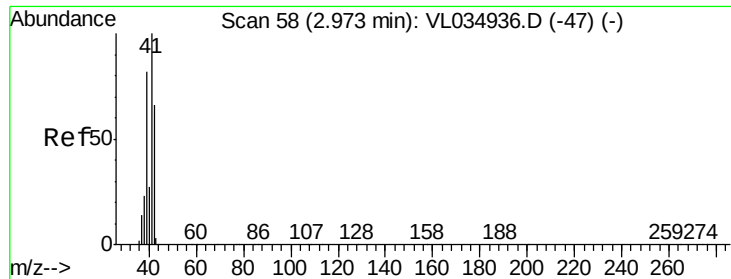
135 60.1 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.369 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

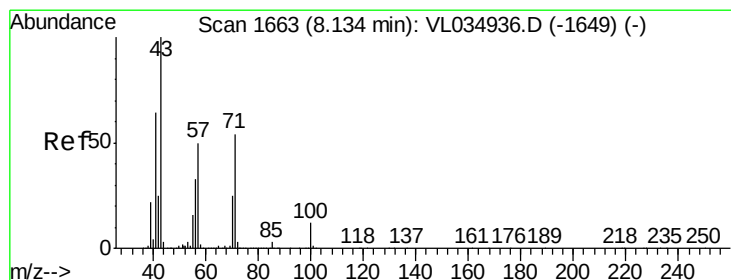
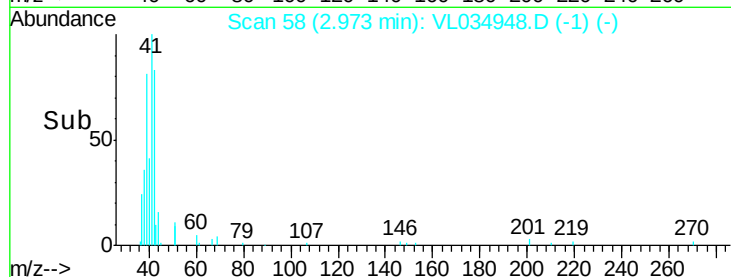
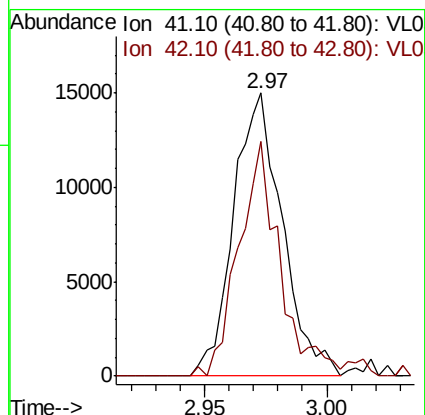
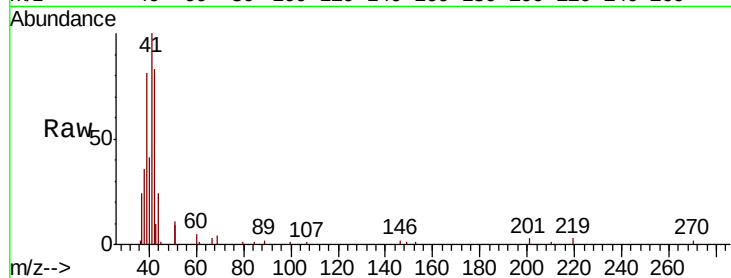
ClientSampleId :

Tot Ion: 41 Resp: 20760

Ion Ratio Lower Upper

41 100

42 72.6 54.5 81.7



#10

Heptane

Concen: 0.329 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL034948.D

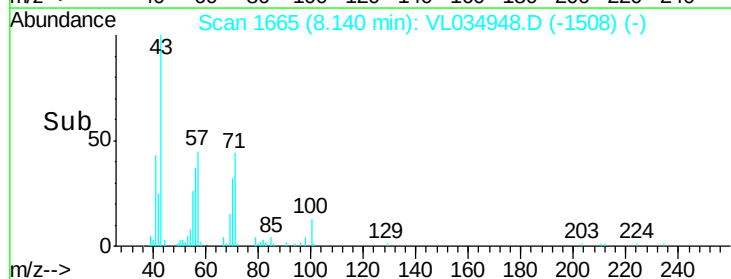
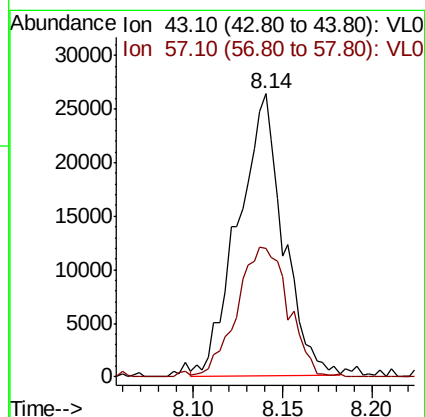
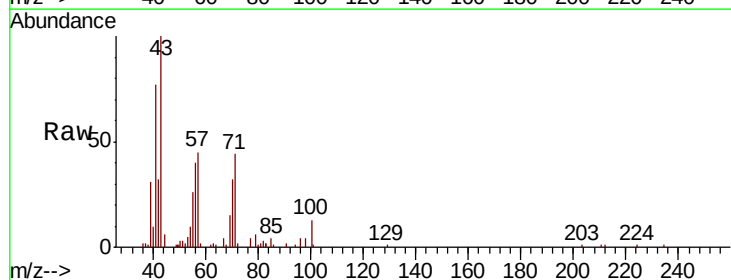
Acq: 6 May 2020 18:55

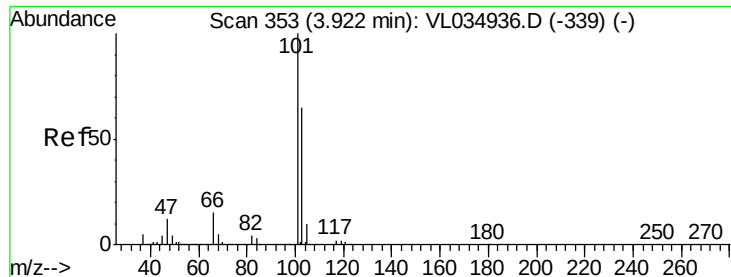
Tgt Ion: 43 Resp: 46428

Ion Ratio Lower Upper

43 100

57 52.9 41.1 61.7





#11

Trichlorofluoromethane

Concen: 0.449 ppbv

RT: 3.92 min Scan# 354

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

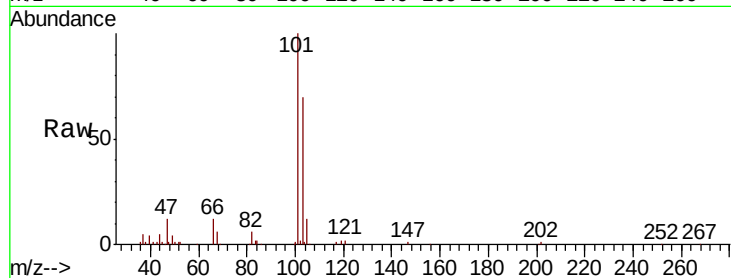
ClientSampleId :

Tot Ion:101 Resp: 74695

Ion Ratio Lower Upper

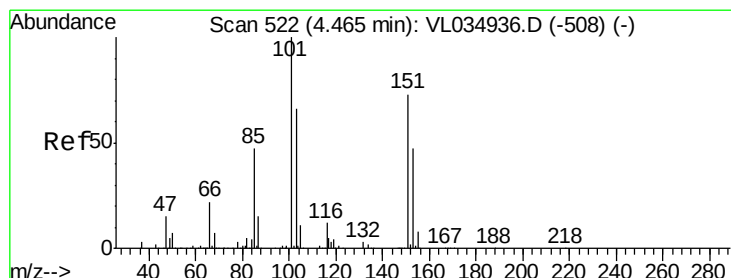
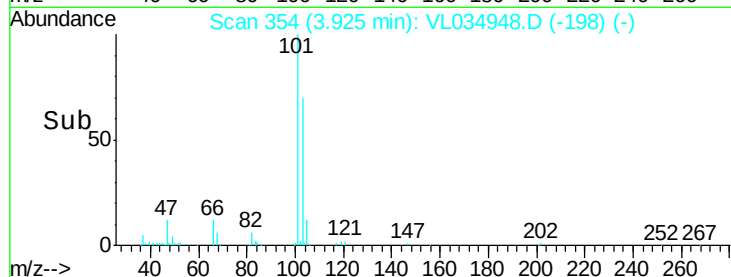
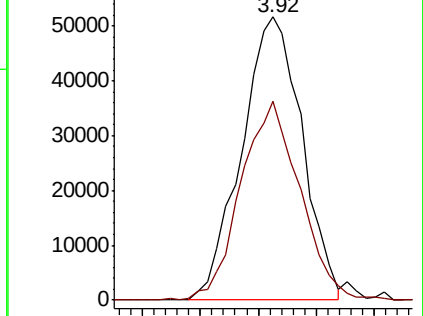
101 100

103 69.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.438 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL034948.D

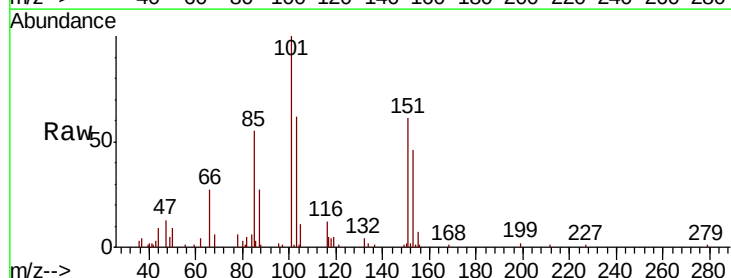
Acq: 6 May 2020 18:55

Tgt Ion:101 Resp: 51940

Ion Ratio Lower Upper

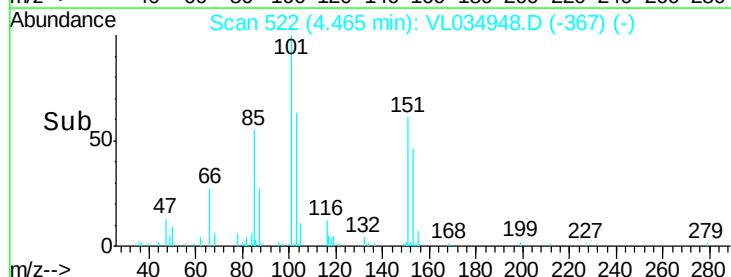
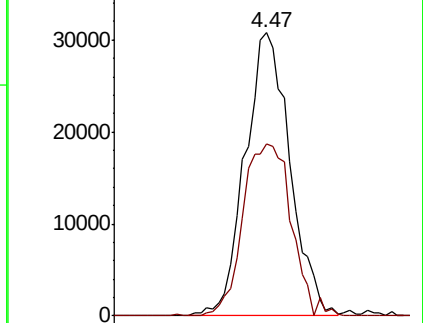
101 100

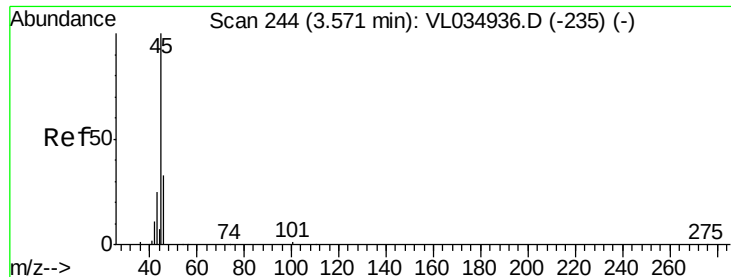
151 65.5 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

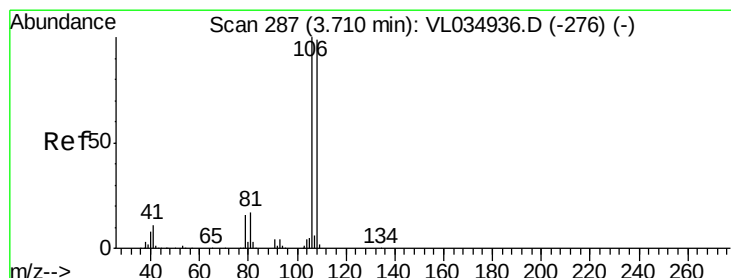
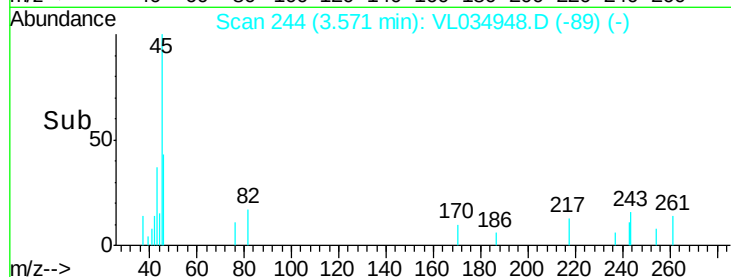
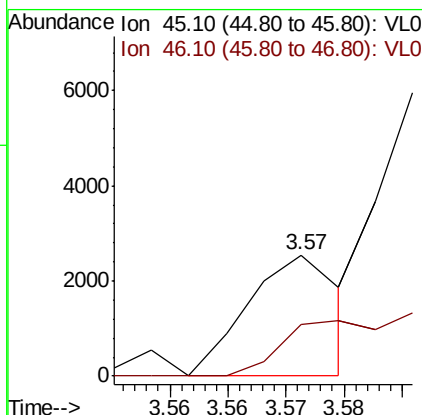
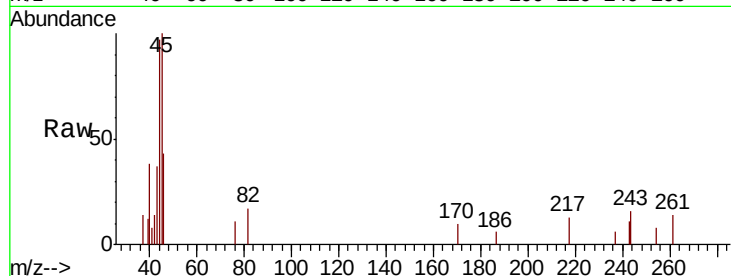




#13
Ethanol
Concen: 0.076 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

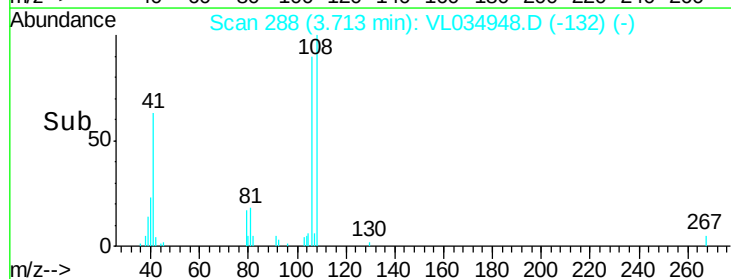
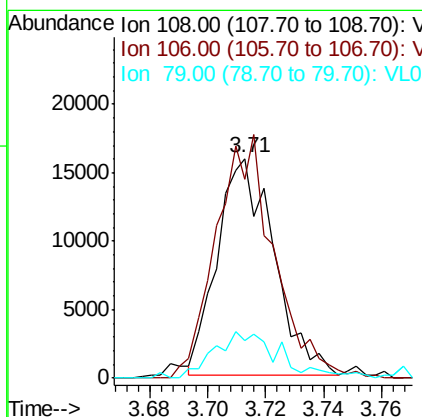
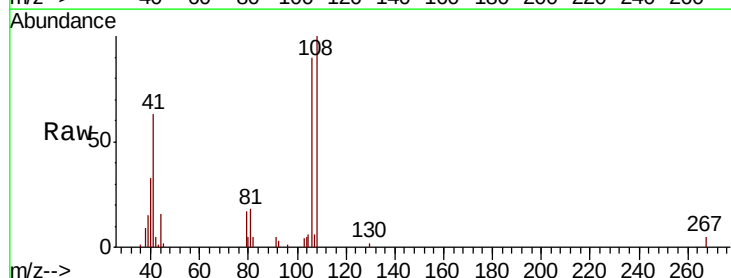
Instrument :
MSVOA_L
ClientSampled :

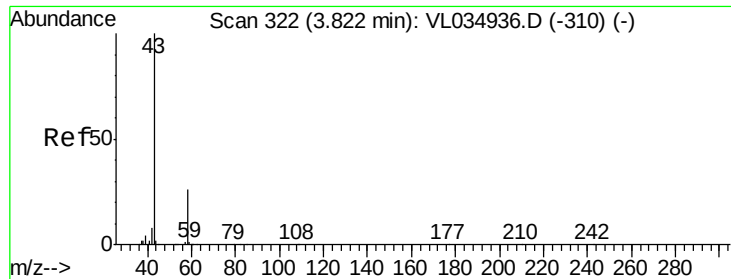
Tot Ion: 45 Resp: 1406
Ion Ratio Lower Upper
45 100
46 0.0 14.3 57.3#



#14
Bromoethene
Concen: 0.441 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion: 108 Resp: 21587
Ion Ratio Lower Upper
108 100
106 114.5 84.9 127.3
79 25.0 14.1 21.1#





#15

Acetone

Concen: 0.489 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

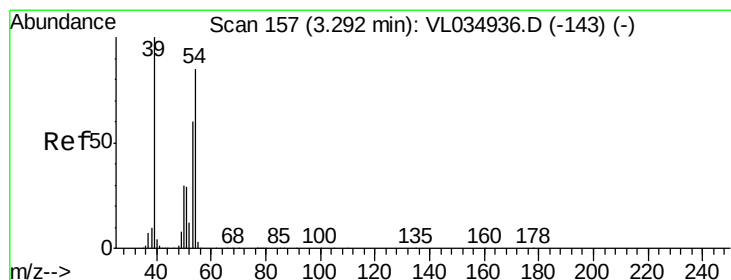
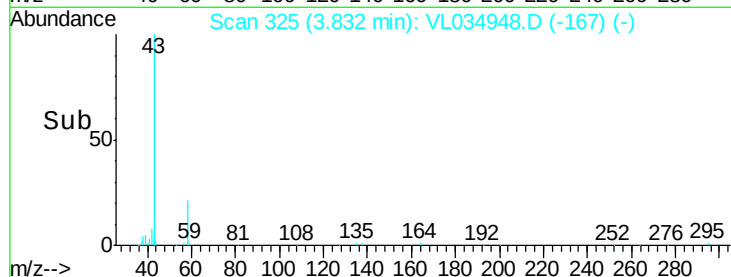
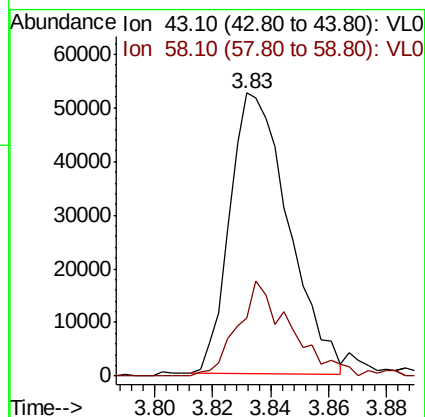
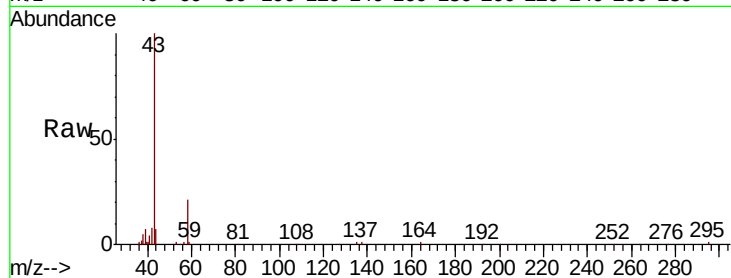
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 73470

Ion Ratio Lower Upper

43 100

58 31.4 21.7 32.5



#16

1,3-Butadiene

Concen: 0.367 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034948.D

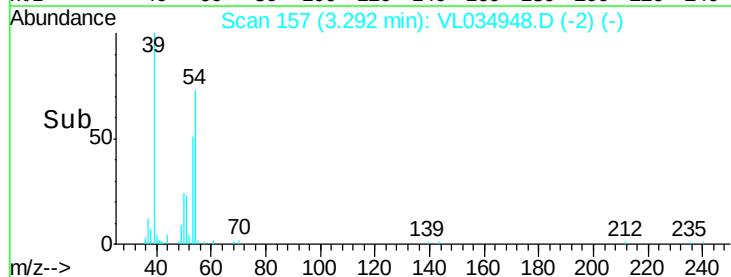
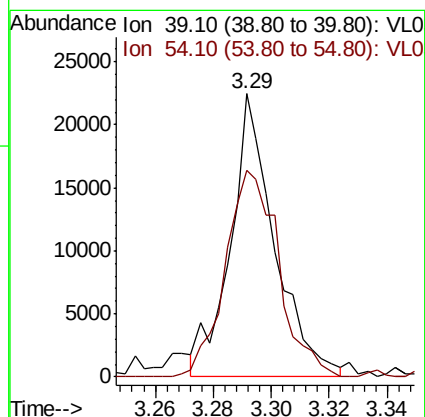
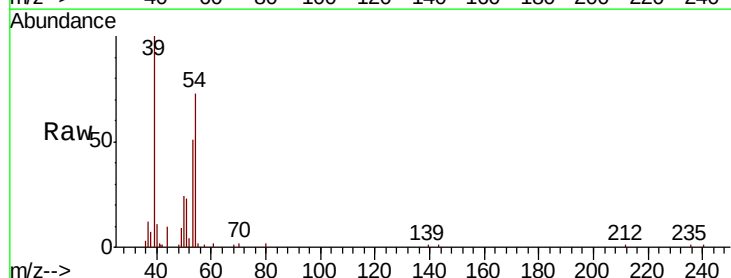
Acq: 6 May 2020 18:55

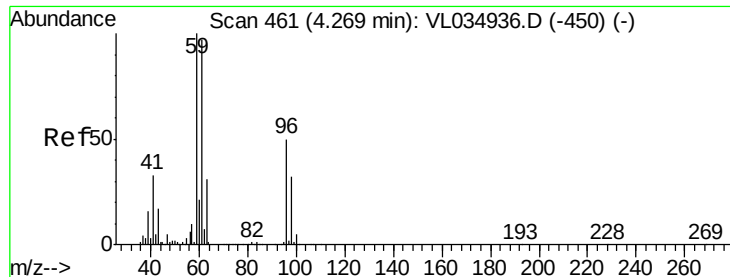
Tgt Ion: 39 Resp: 23707

Ion Ratio Lower Upper

39 100

54 88.0 66.6 100.0



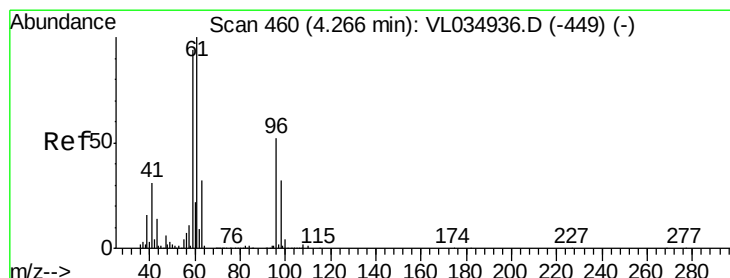
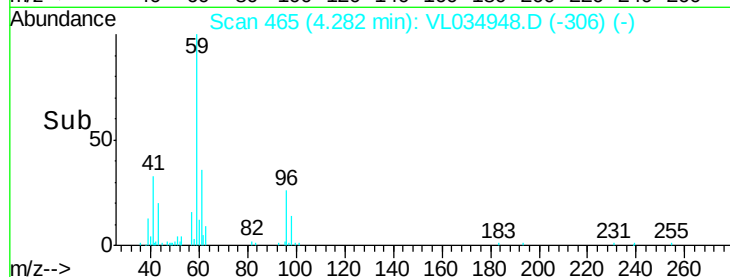
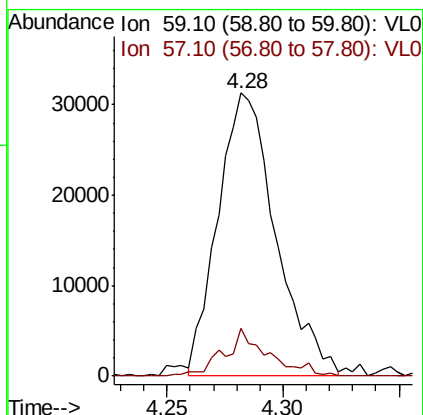
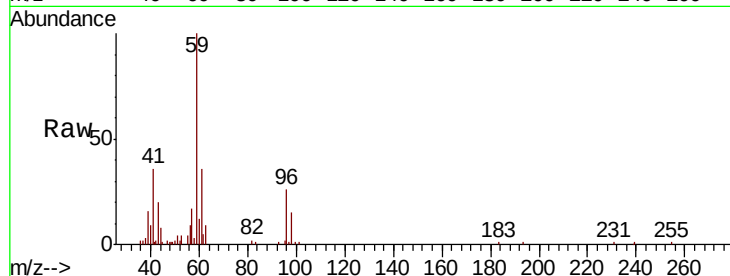


#17

tert-Butyl alcohol
Concen: 0.406 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :

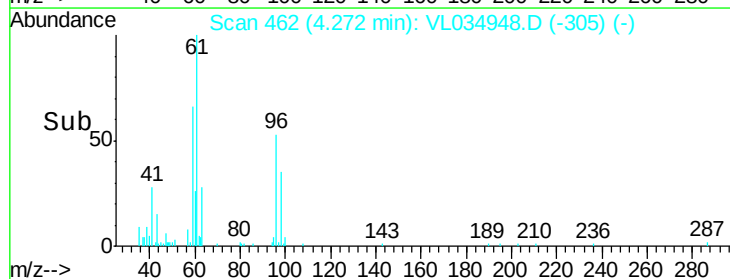
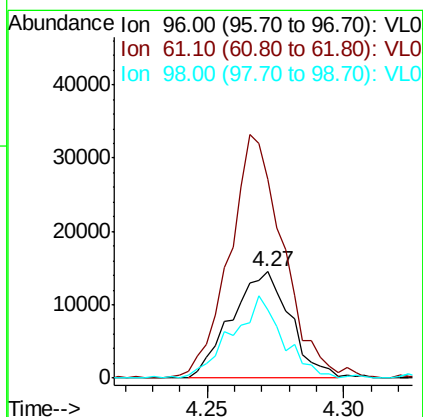
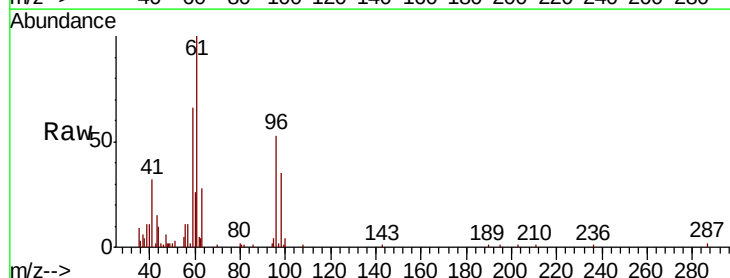
Tot Ion: 59 Resp: 54308
Ion Ratio Lower Upper
59 100
57 12.7 8.7 13.1

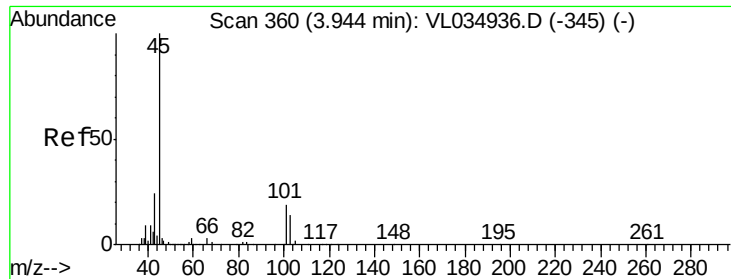


#18

1,1-Dichloroethene
Concen: 0.423 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion: 96 Resp: 21718
Ion Ratio Lower Upper
96 100
61 189.8 152.4 228.6
98 64.8 48.8 73.2





#19

Isopropyl Alcohol

Concen: 0.452 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

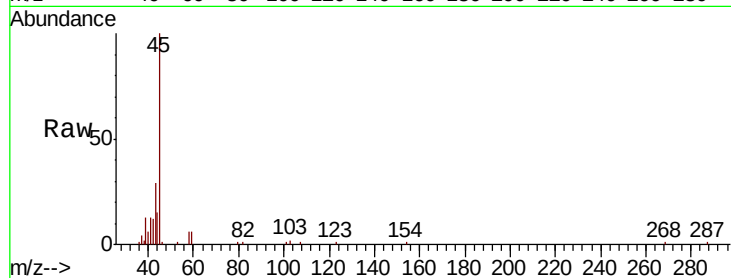
ClientSampled :

Tot Ion: 45 Resp: 45303

Ion Ratio Lower Upper

45 100

58 6.4 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

25000

20000

15000

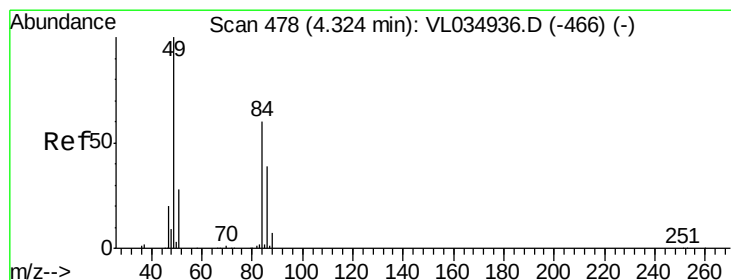
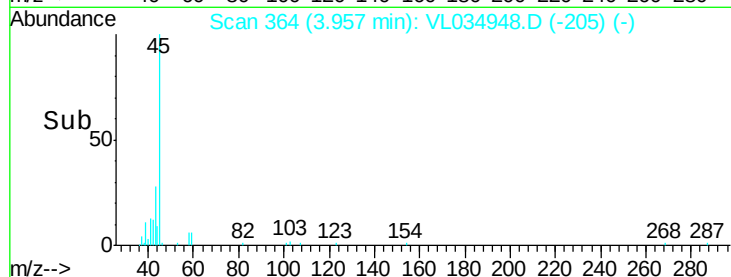
10000

5000

0

Time-->

3.90 3.95 4.00



#20

Methylene Chloride

Concen: 0.466 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion: 84 Resp: 23208

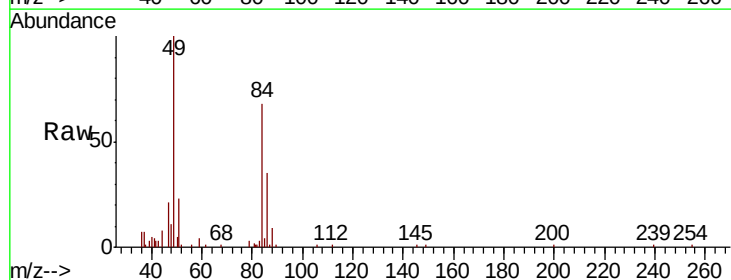
Ion Ratio Lower Upper

84 100

49 146.5 132.5 198.7

51 33.0 38.4 57.6#

86 51.5 51.2 76.8



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

30000

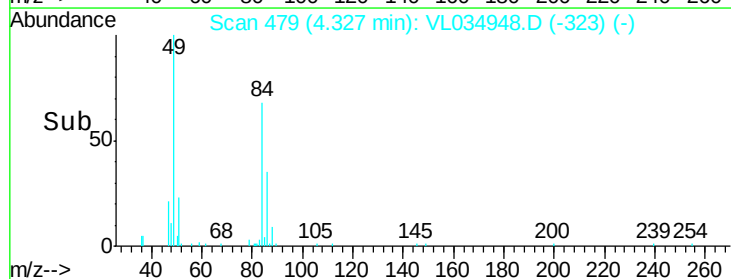
20000

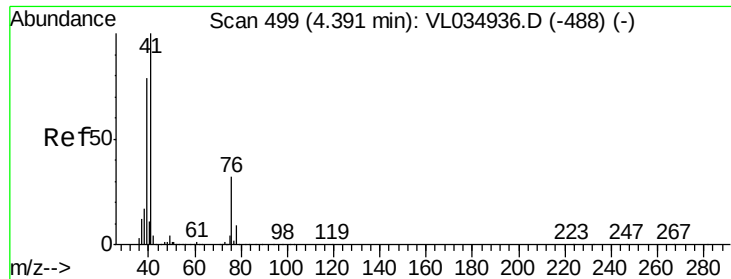
10000

0

Time-->

4.30 4.35

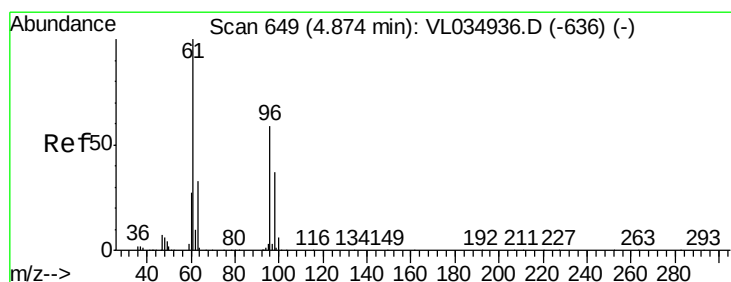
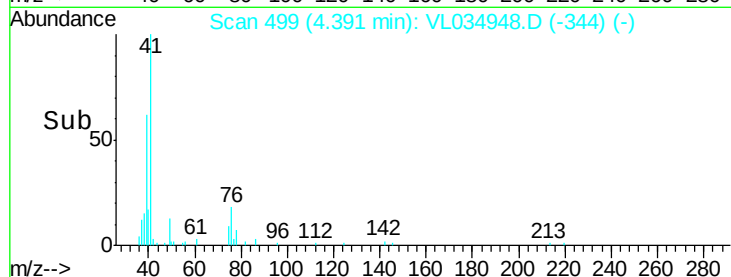
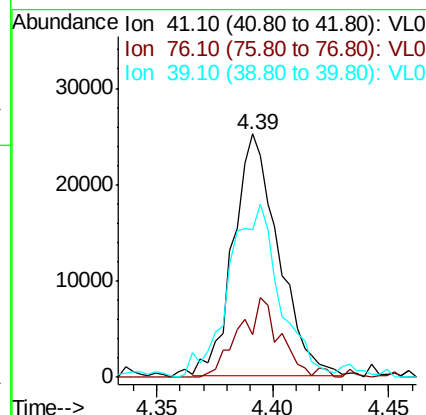
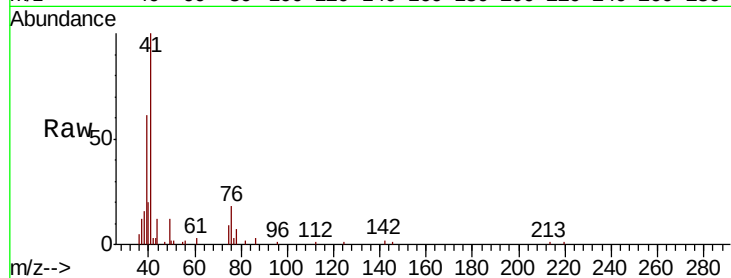




#21
 Allvl Chloride
 Concen: 0.398 ppbv
 RT: 4.39 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

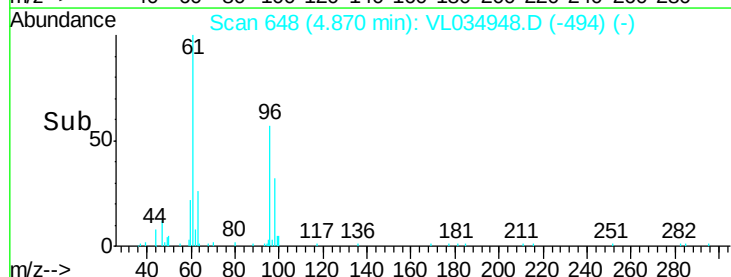
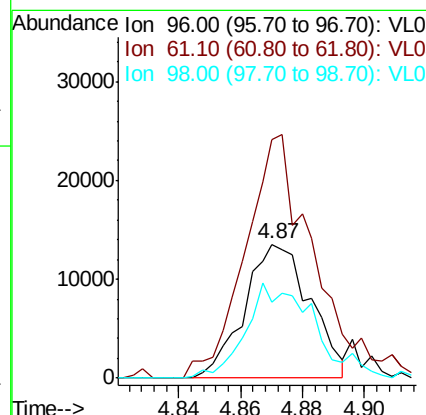
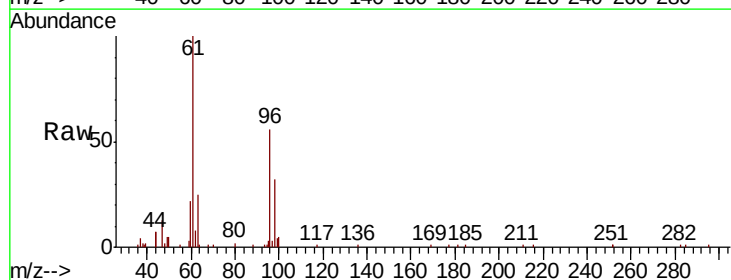
Instrument :
 MSVOA_L
 ClientSampleId :

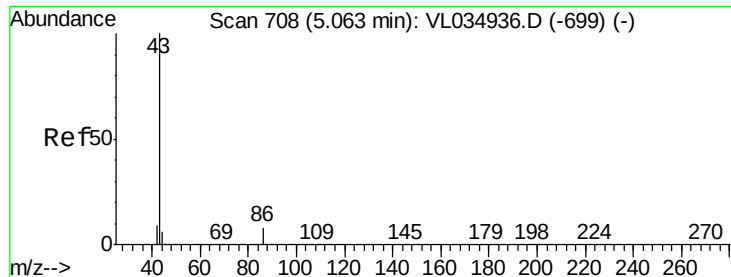
Tot Ion: 41 Resp: 33798
 Ion Ratio Lower Upper
 41 100
 76 32.0 23.6 35.4
 39 84.5 61.9 92.9



#22
 trans-1,2-Dichloroethene
 Concen: 0.394 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion: 96 Resp: 20079
 Ion Ratio Lower Upper
 96 100
 61 165.2 135.3 202.9
 98 55.5 50.4 75.6





#23

Vinyl Acetate

Concen: 0.336 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 64043

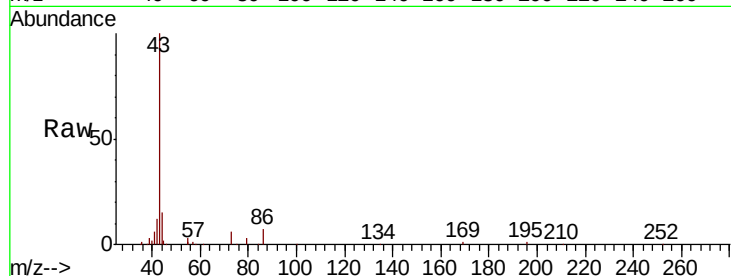
Ion Ratio Lower Upper

43 100

86 6.7 5.5 8.3

42 12.5 8.0 12.0#

44 12.3 4.5 6.7#

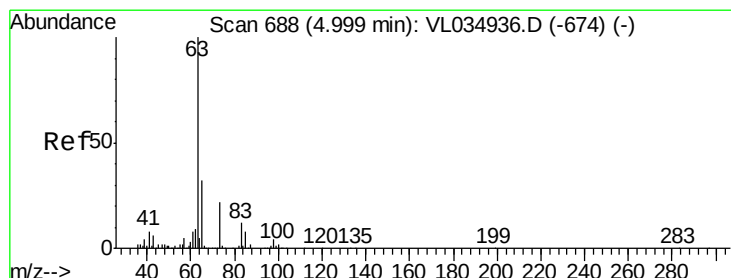
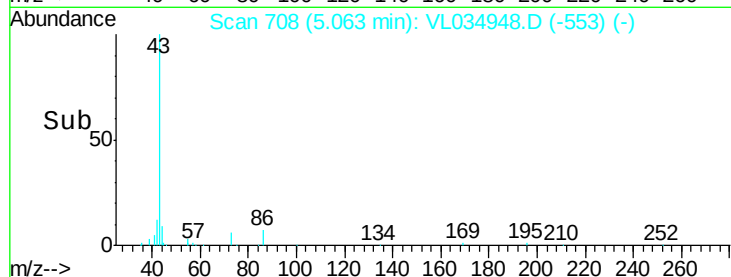
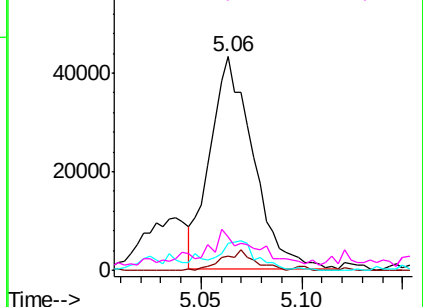


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.456 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

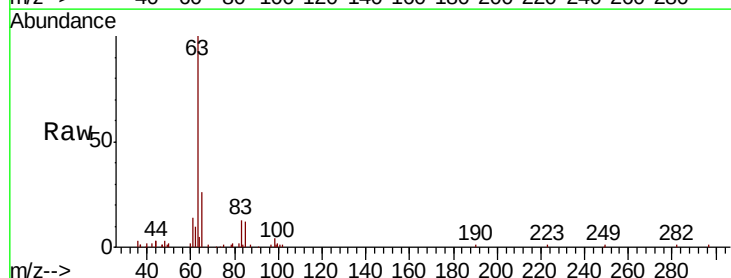
Tgt Ion: 63 Resp: 66986

Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

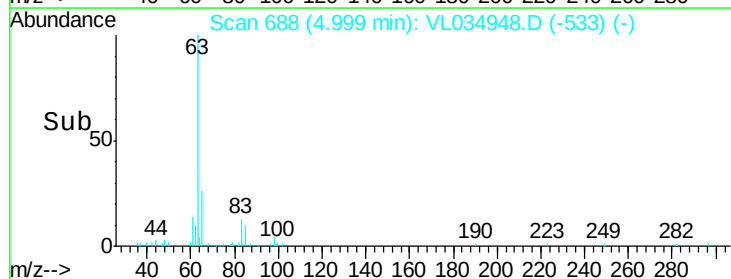
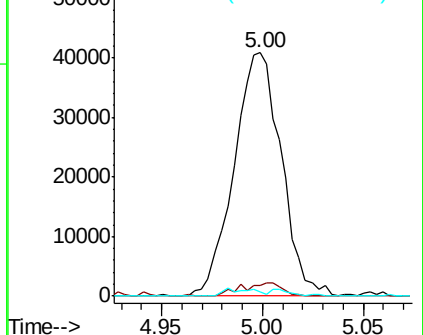
100 2.0 1.1 3.5

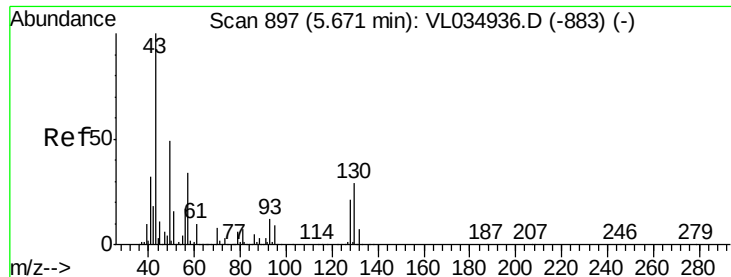


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

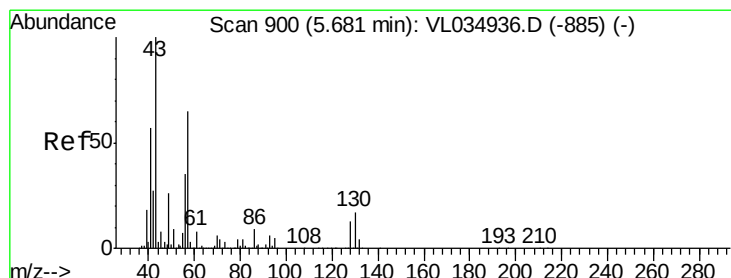
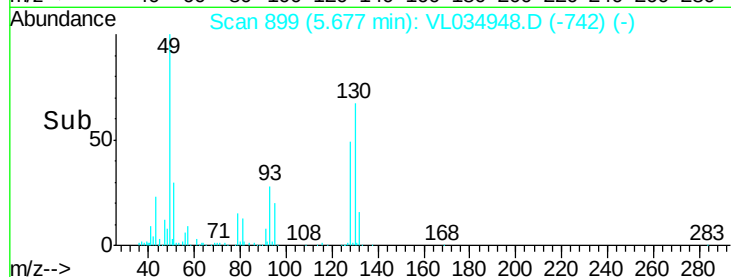
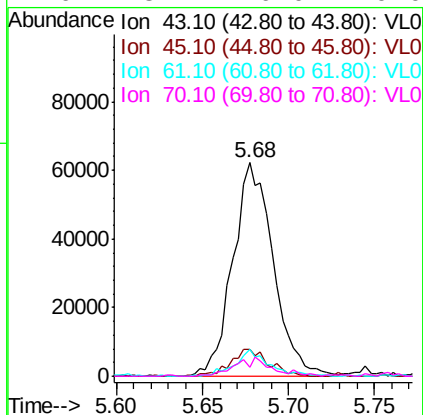
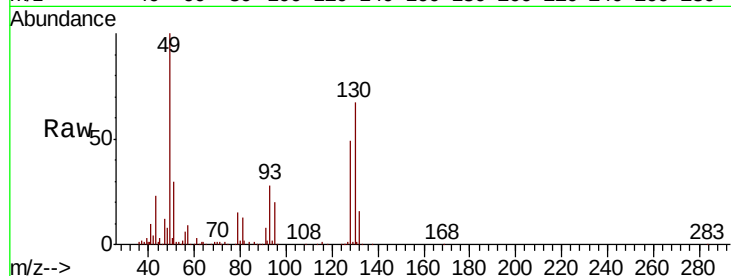




#25
Ethyl Acetate
Concen: 0.402 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

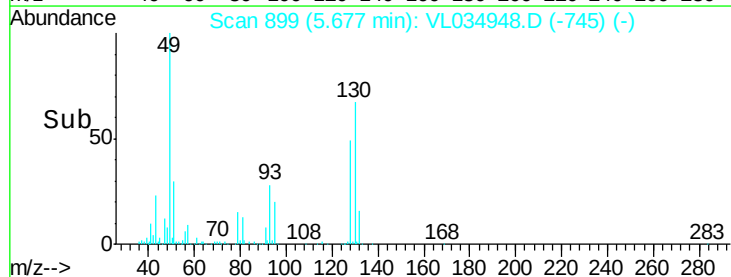
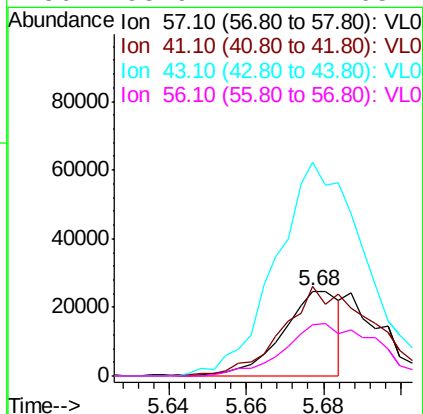
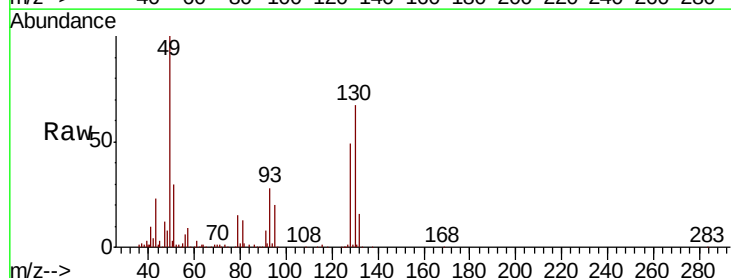
Instrument :
MSVOA_L
ClientSampleID :

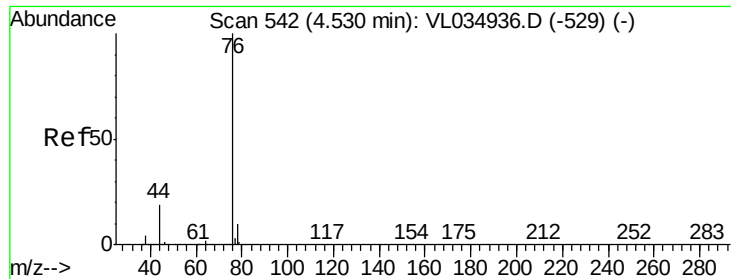
Tot Ion:	43	Resp:	101522
Ion	Ratio	Lower	Upper
43	100		
45	11.9	8.1	12.1
61	10.4	7.8	11.8
70	8.1	6.0	9.0



#26
Hexane
Concen: 0.230 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion:	57	Resp:	25210
Ion	Ratio	Lower	Upper
57	100		
41	171.0	72.7	109.1#
43	409.9	182.1	273.1#
56	98.9	42.2	63.2#





#27

Carbon Disulfide

Concen: 0.353 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

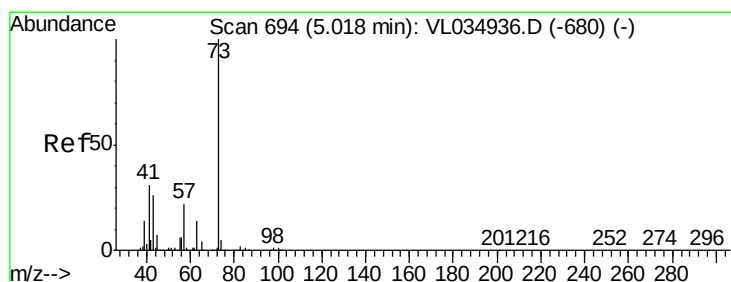
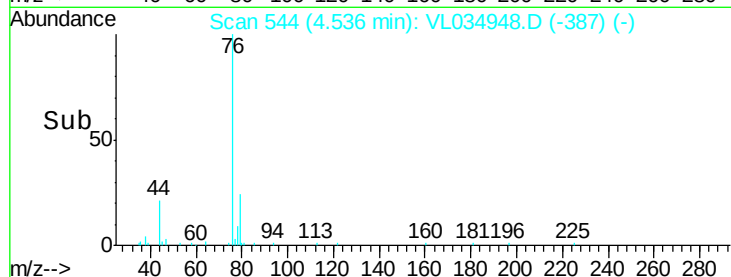
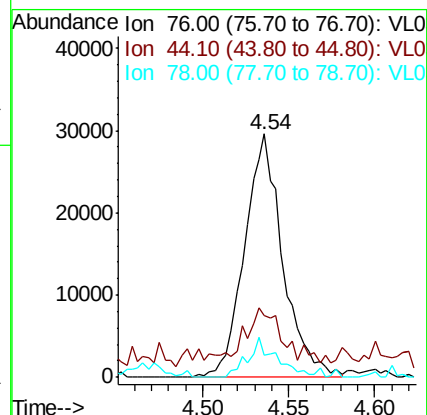
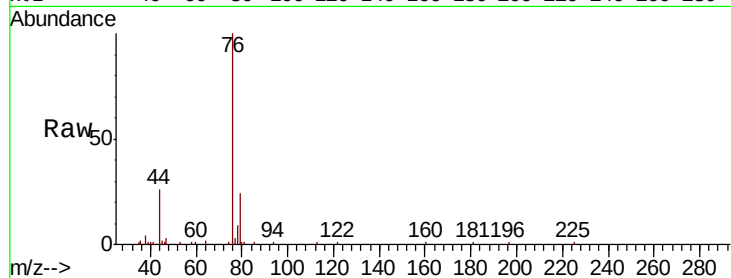
Tot Ion: 76 Resp: 45504

Ion Ratio Lower Upper

76 100

44 26.5 15.2 22.8#

78 13.9 7.7 11.5#



#28

Methyl tert-Butyl Ether

Concen: 0.338 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL034948.D

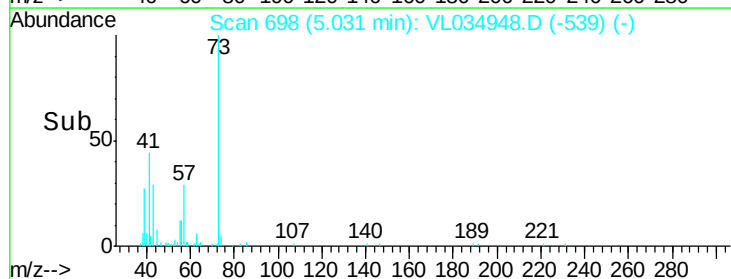
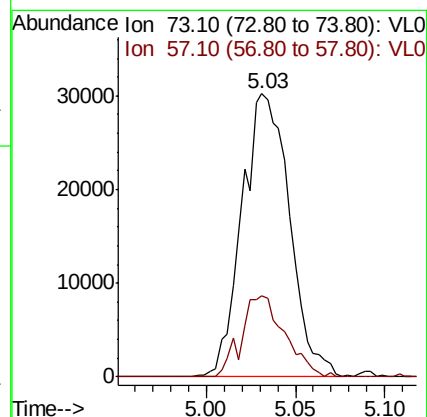
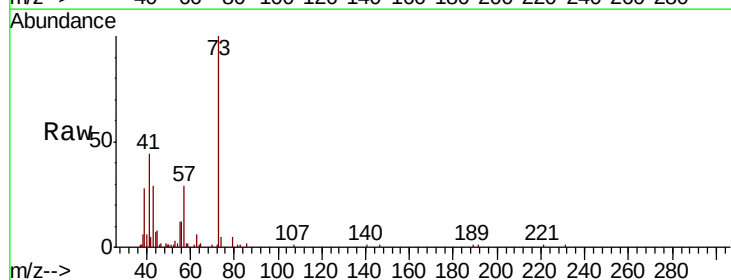
Acq: 6 May 2020 18:55

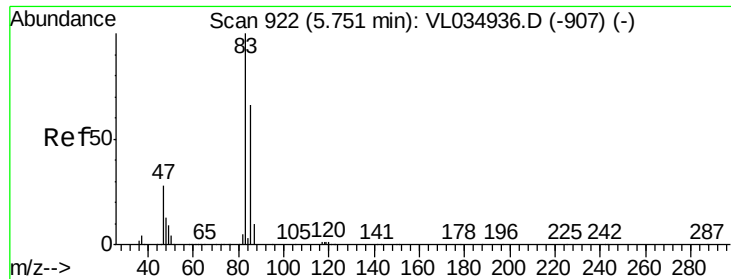
Tgt Ion: 73 Resp: 56360

Ion Ratio Lower Upper

73 100

57 26.2 18.3 27.5

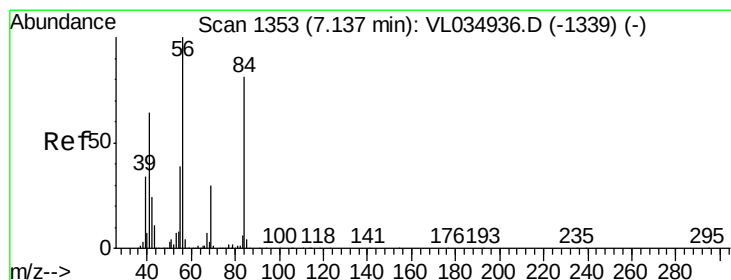
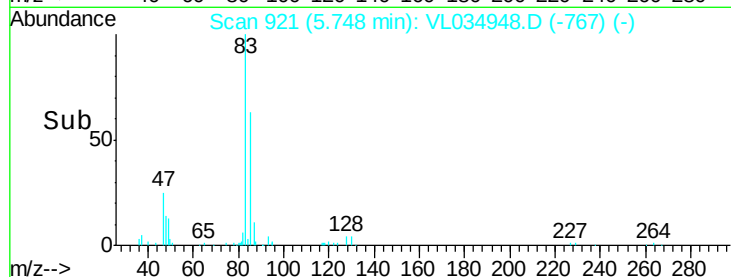
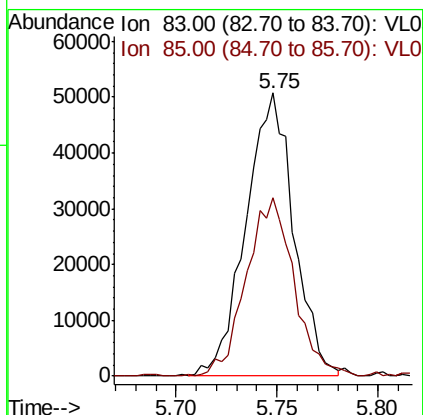
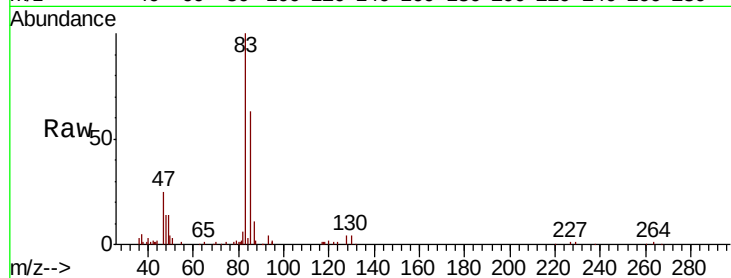




#29
Chloroform
Concen: 0.466 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

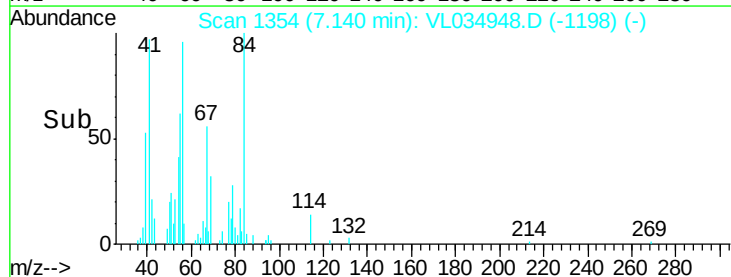
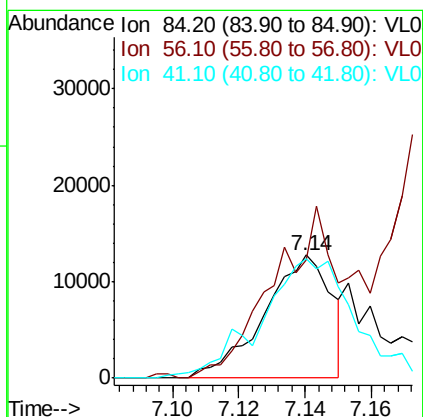
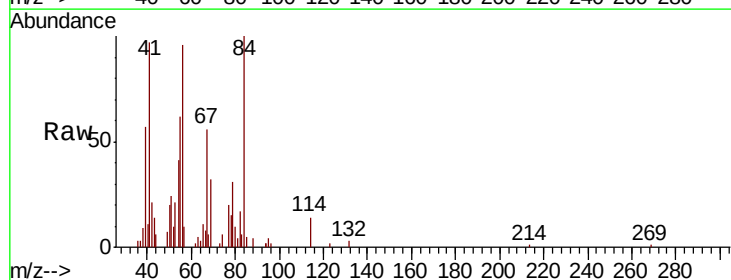
Instrument :
MSVOA_L
ClientSampled :

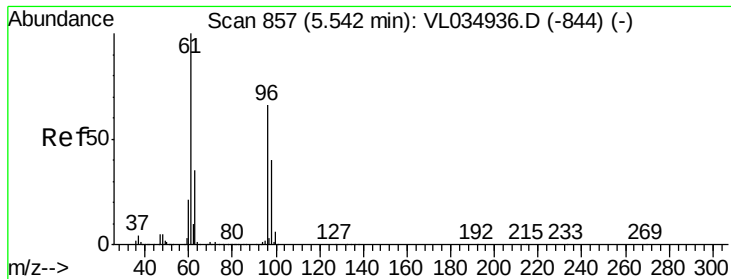
Tot Ion: 83 Resp: 83412
Ion Ratio Lower Upper
83 100
85 62.8 53.0 79.6



#30
Cyclohexane
Concen: 0.211 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion: 84 Resp: 17846
Ion Ratio Lower Upper
84 100
56 134.8 111.4 167.2
41 140.1 66.7 100.1#





#31

cis-1,2-Dichloroethene

Concen: 0.349 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampleId :

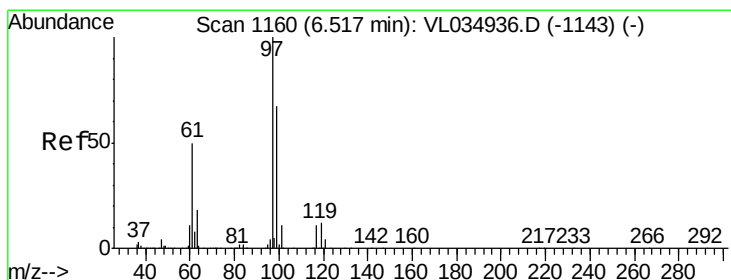
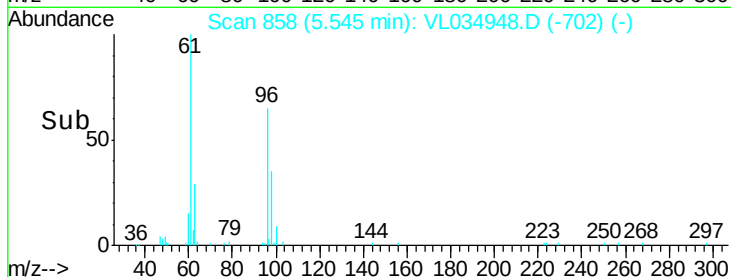
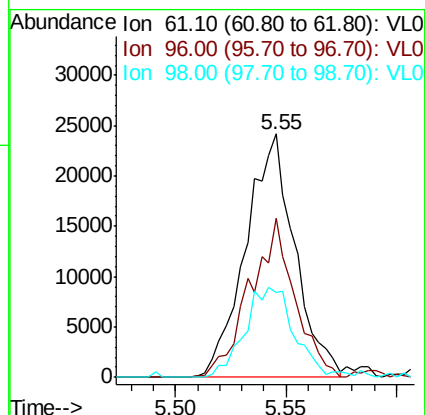
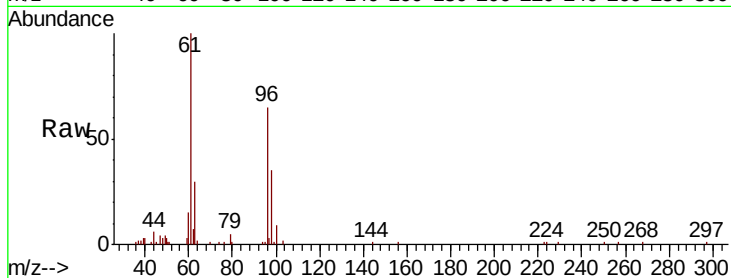
Tot Ion: 61 Resp: 37320

Ion Ratio Lower Upper

61 100

96 68.7 53.0 79.6

98 34.8 32.2 48.2



#32

1,1,1-Trichloroethane

Concen: 0.448 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

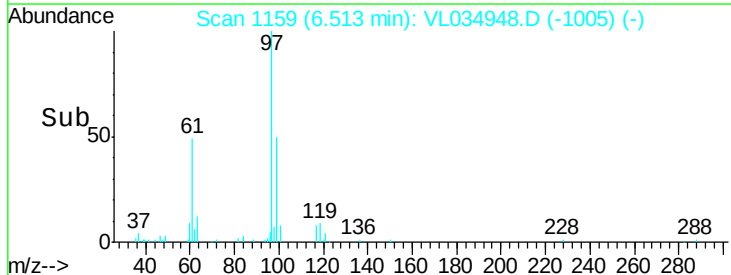
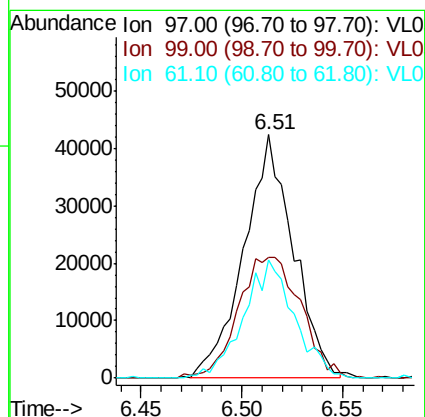
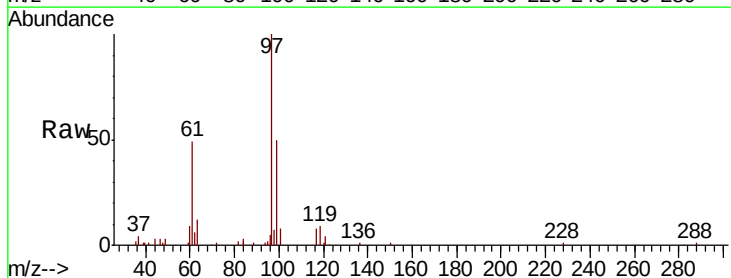
Tgt Ion: 97 Resp: 72470

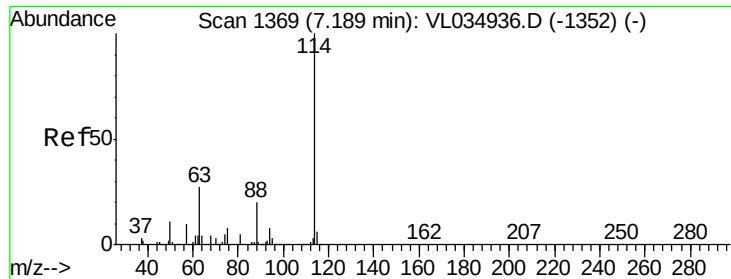
Ion Ratio Lower Upper

97 100

99 62.8 52.1 78.1

61 49.6 41.8 62.8



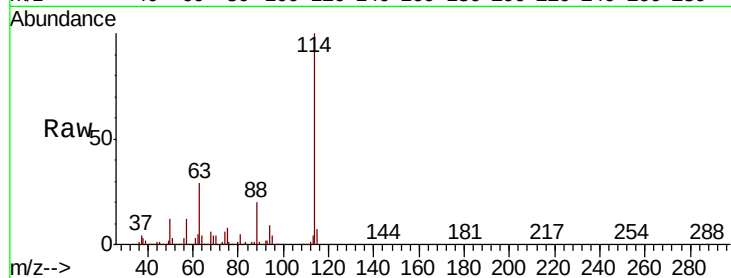


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

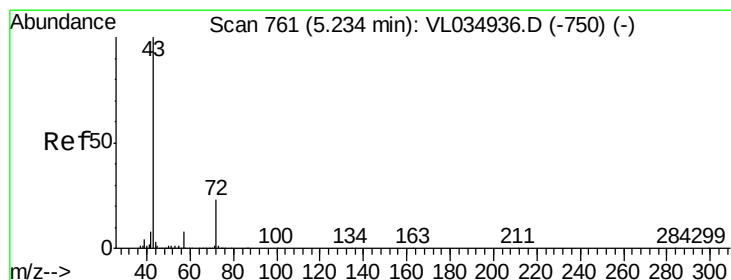
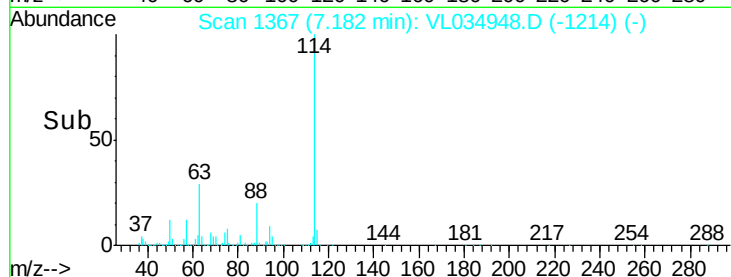
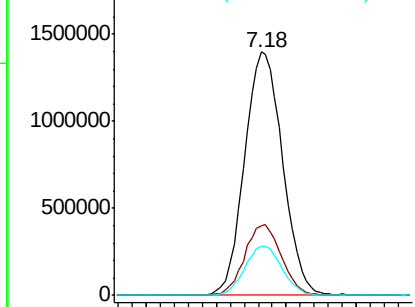
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2640726

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.2	33.4
88	19.9	15.5	23.3



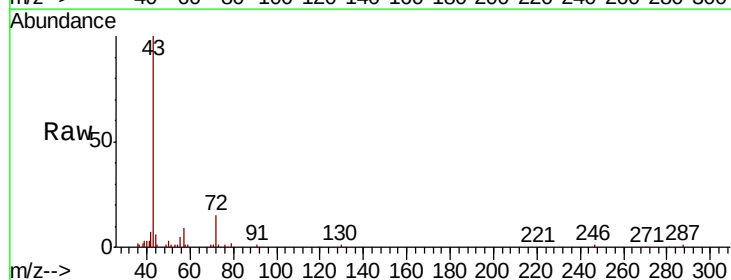
Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



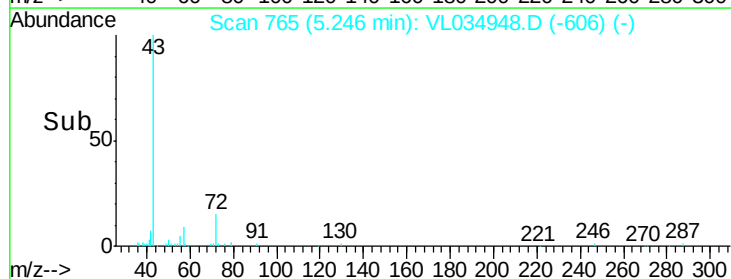
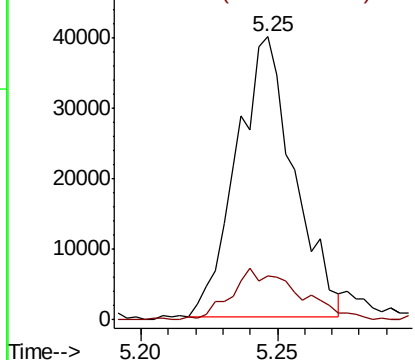
#34
 2-Butanone
 Concen: 0.353 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

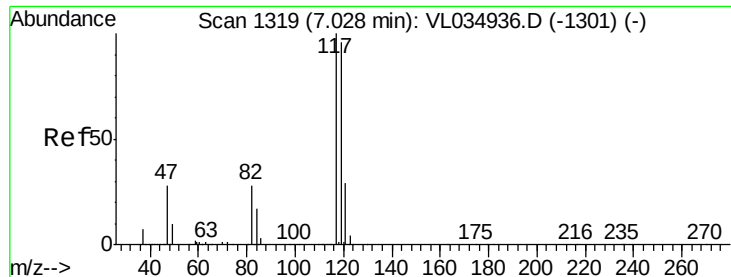
Tgt Ion: 43 Resp: 58012

Ion	Ratio	Lower	Upper
43	100		
72	21.7	18.0	27.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.415 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

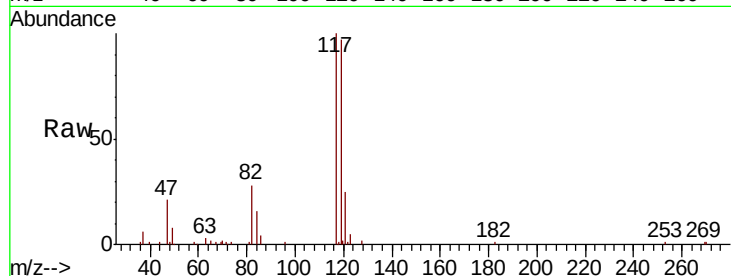
Tot Ion:117 Resp: 69122

Ion Ratio Lower Upper

117 100

119 96.1 77.0 115.6

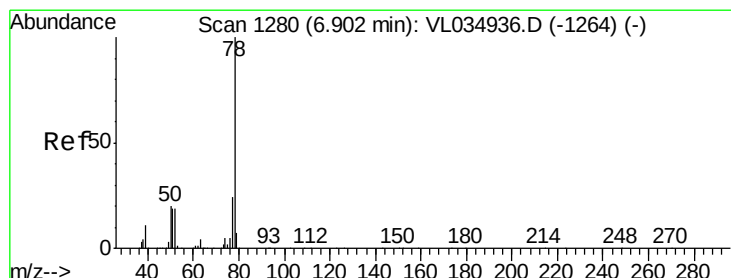
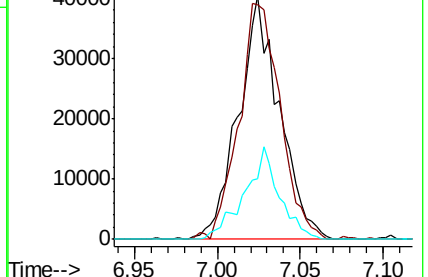
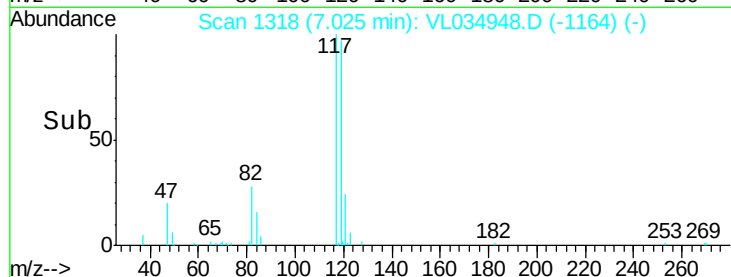
121 24.8 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.337 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

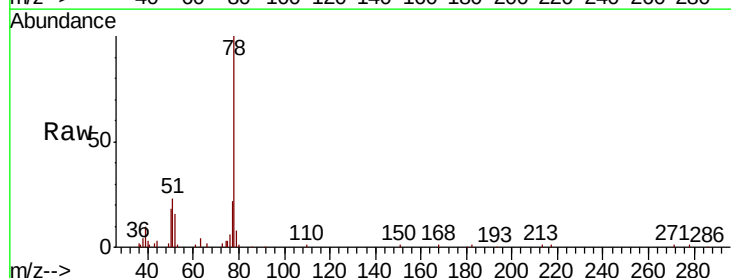
Tgt Ion: 78 Resp: 73297

Ion Ratio Lower Upper

78 100

77 22.5 19.0 28.6

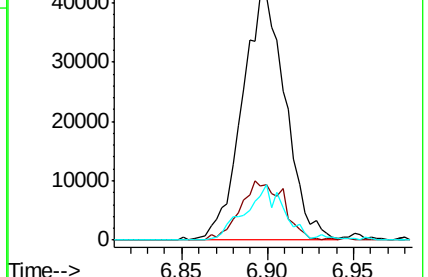
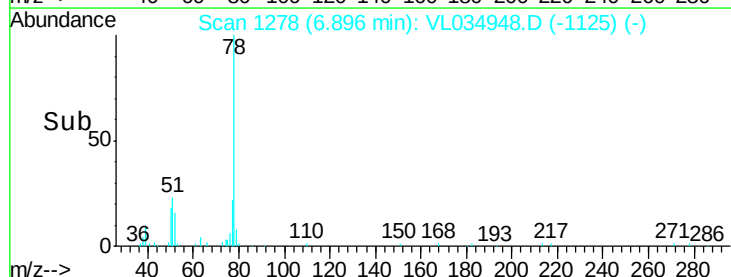
50 18.3 15.8 23.8

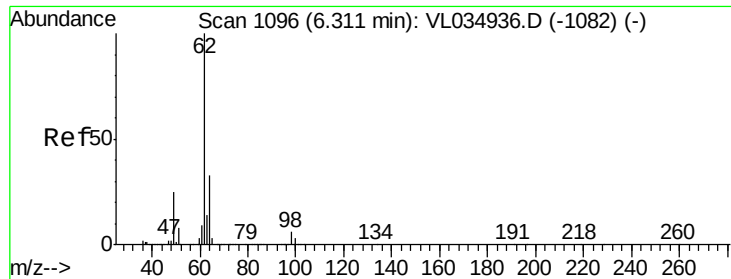


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

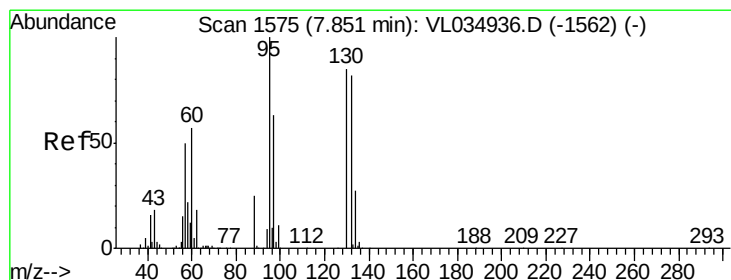
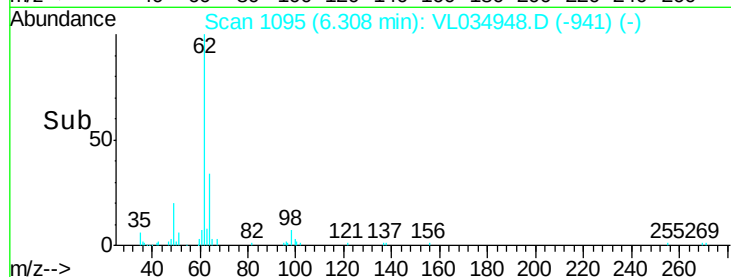
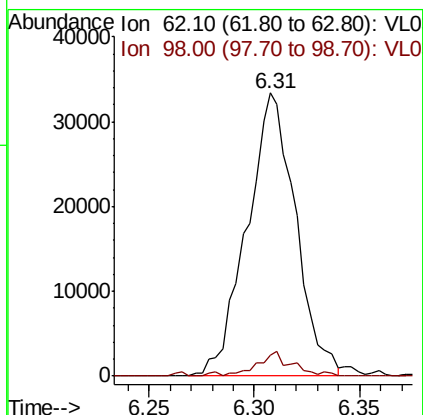
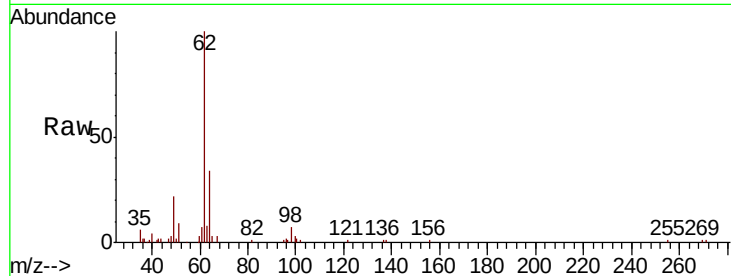




#37
 1,2-Dichloroethane
 Concen: 0.399 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

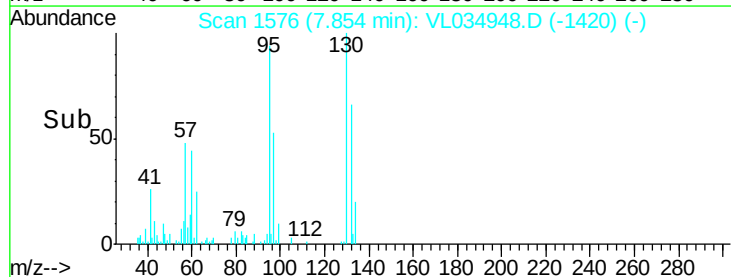
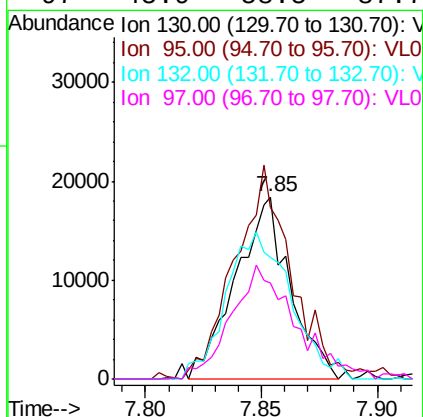
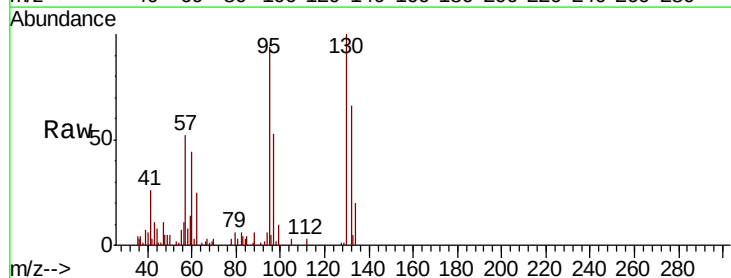
Instrument :
 MSVOA_L
 ClientSampleId :

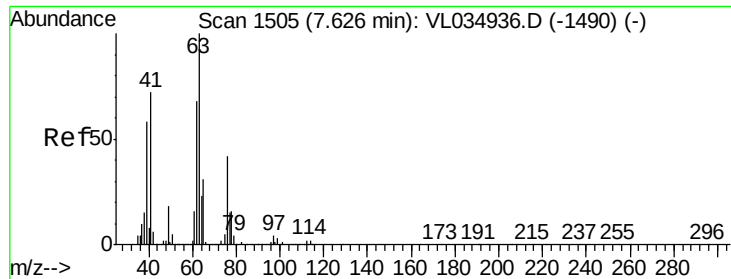
Tot Ion: 62 Resp: 53521
 Ion Ratio Lower Upper
 62 100
 98 6.7 4.8 7.2



#38
 Trichloroethene
 Concen: 0.356 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion: 130 Resp: 30011
 Ion Ratio Lower Upper
 130 100
 95 89.1 93.4 140.0#
 132 57.7 76.4 114.6#
 97 45.9 58.5 87.7#

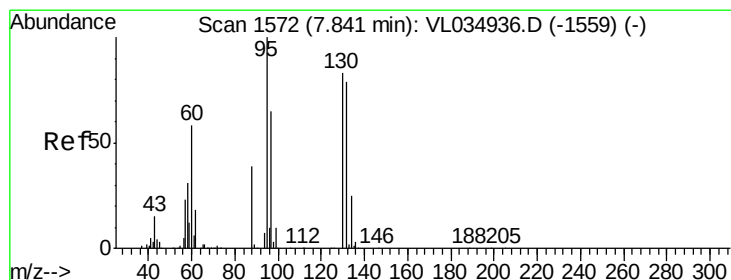
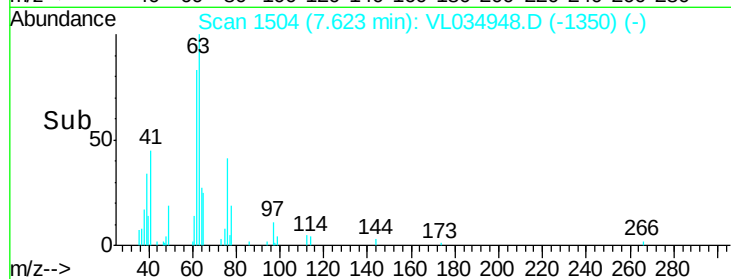
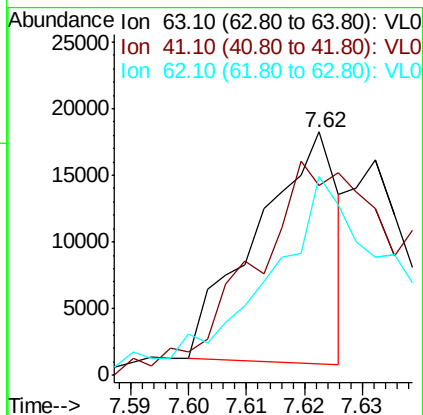
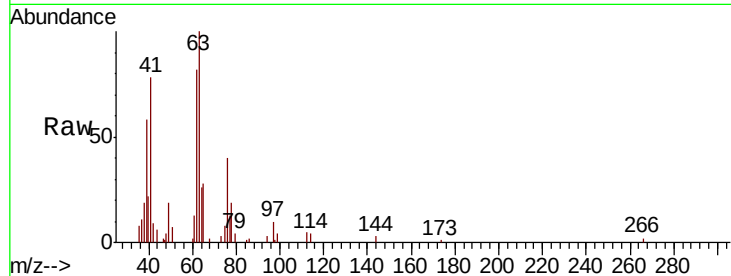




#39
 1,2-Dichloropropane
 Concen: 0.192 ppbv
 RT: 7.62 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

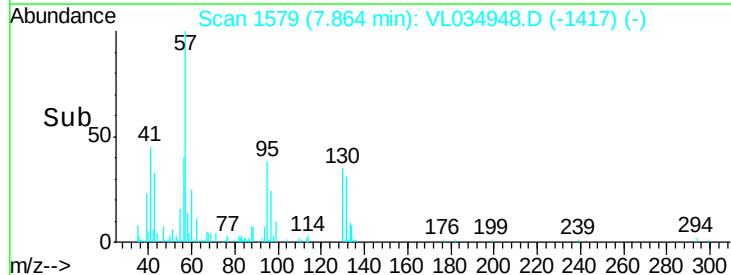
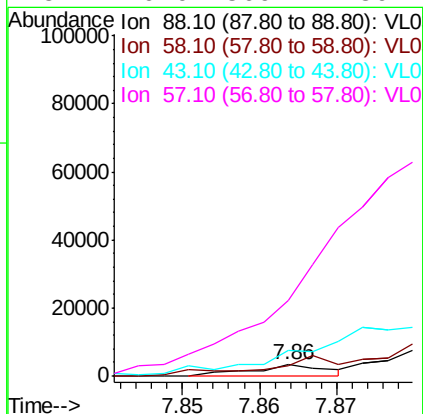
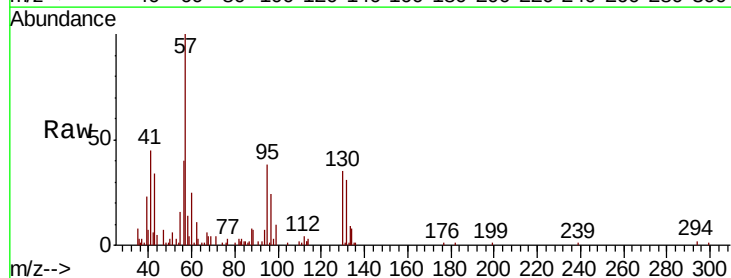
Instrument :
 MSVOA_L
 ClientSampled :

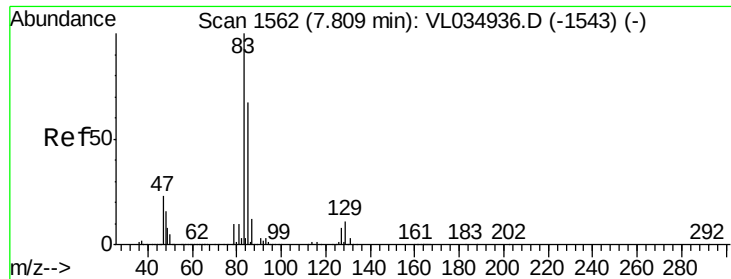
Tot Ion: 63 Resp: 16781
 Ion Ratio Lower Upper
 63 100
 41 73.6 57.8 86.8
 62 61.7 54.2 81.2



#40
 1,4-Dioxane
 Concen: 0.064 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.02 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion: 88 Resp: 2284
 Ion Ratio Lower Upper
 88 100
 58 0.0 105.1 157.7#
 43 0.0 202.6 303.8#
 57 0.0 869.4 1304.0#





#42

Bromodichloromethane

Concen: 0.389 ppbv

RT: 7.80 min Scan# 1559

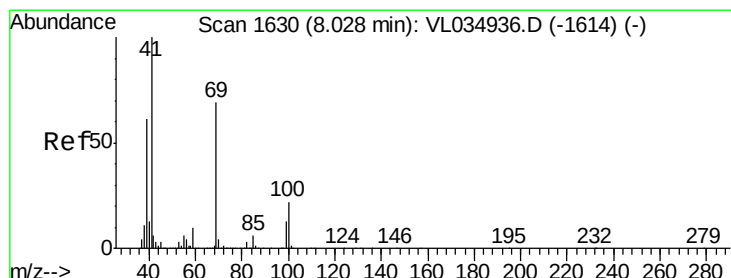
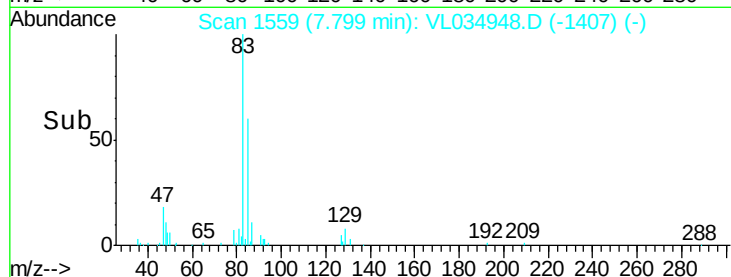
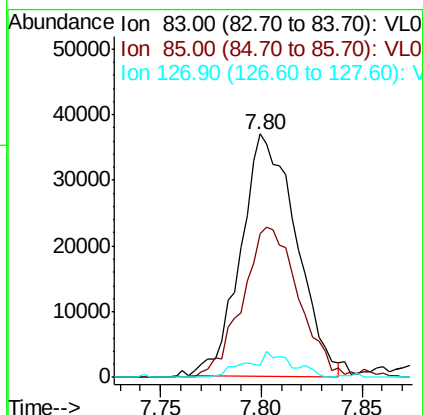
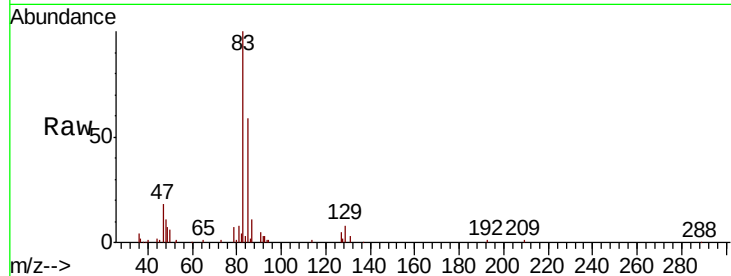
Delta R.T. -0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	83	Resp:	70433
Ion	Ratio	Lower	Upper
83	100		
85	59.7	53.4	80.0
127	5.0	6.1	9.1#



#43

Methyl Methacrylate

Concen: 0.278 ppbv

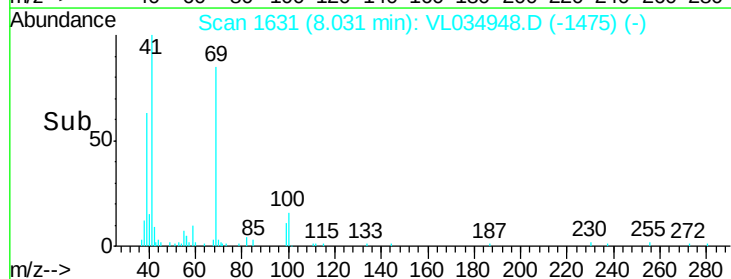
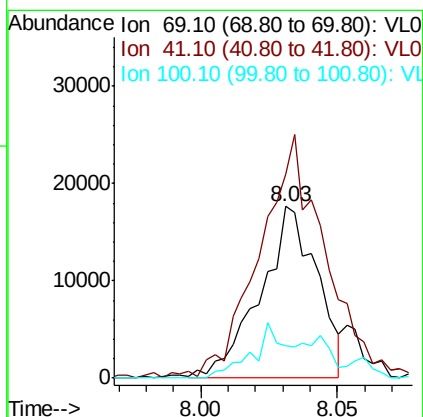
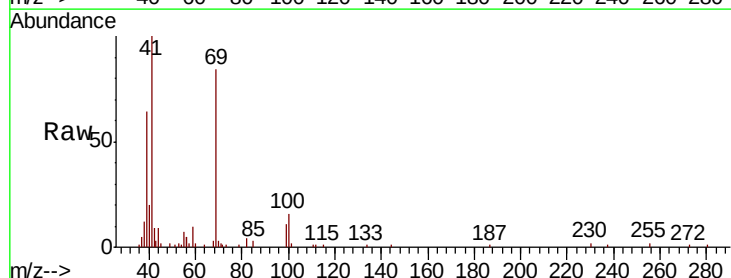
RT: 8.03 min Scan# 1631

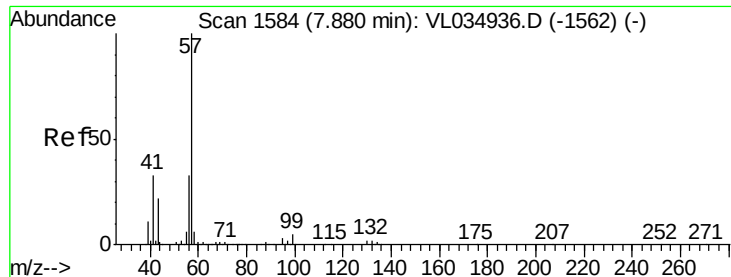
Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Tgt Ion:	69	Resp:	25558
Ion	Ratio	Lower	Upper
69	100		
41	170.7	119.8	179.6
100	35.8	25.0	37.6

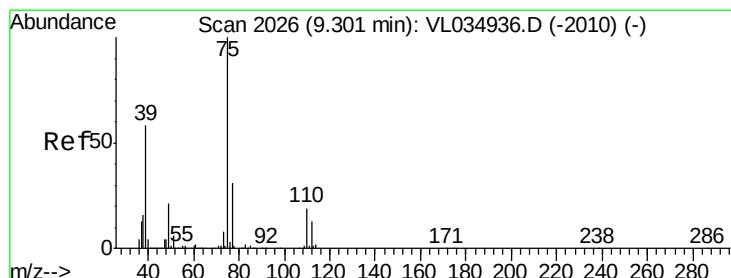
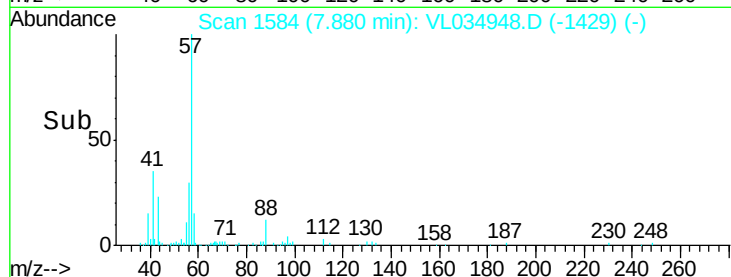
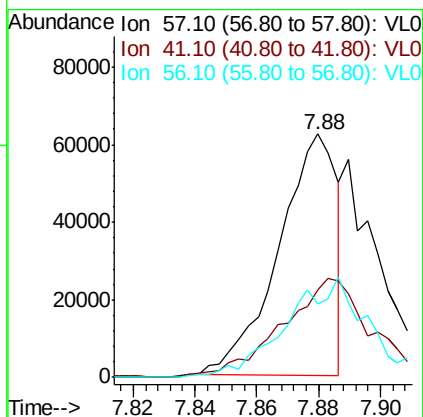
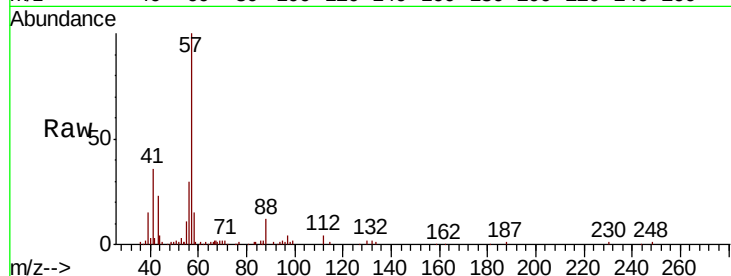




#44
 2,2,4-Trimethylpentane
 Concen: 0.210 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

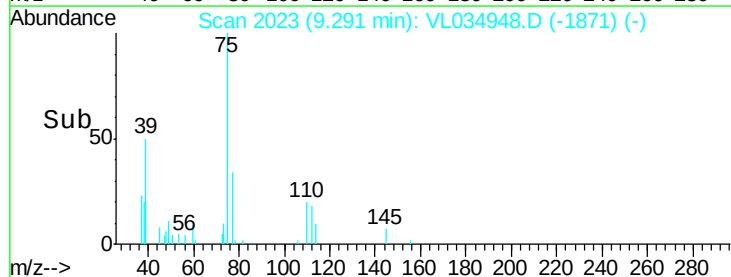
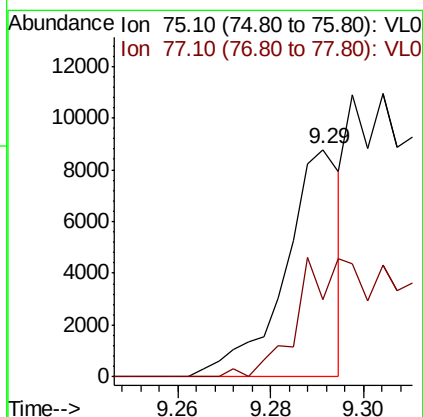
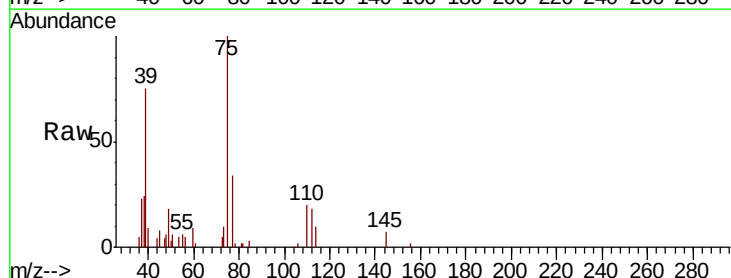
Instrument :
 MSVOA_L
 ClientSampleId :

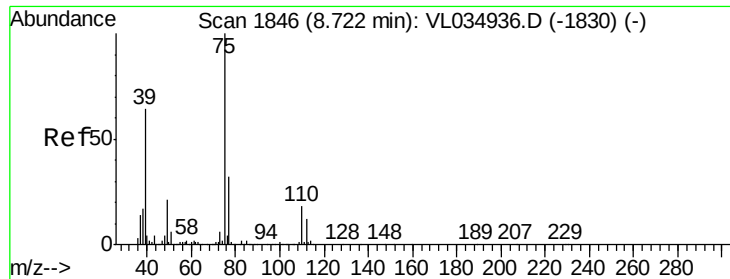
Tot Ion: 57 Resp: 81094
 Ion Ratio Lower Upper
 57 100
 41 0.0 26.4 39.6#
 56 0.0 25.5 38.3#



#45
 t-1,3-Dichloropropene
 Concen: 0.079 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion: 75 Resp: 7359
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.9 37.3



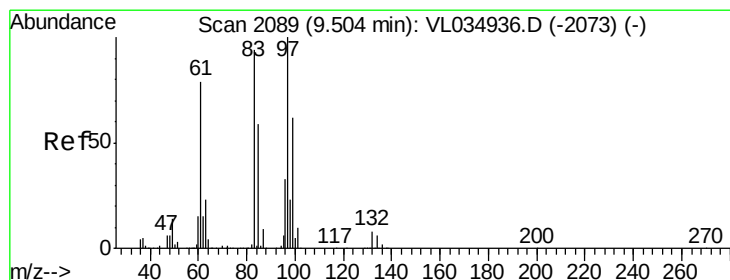
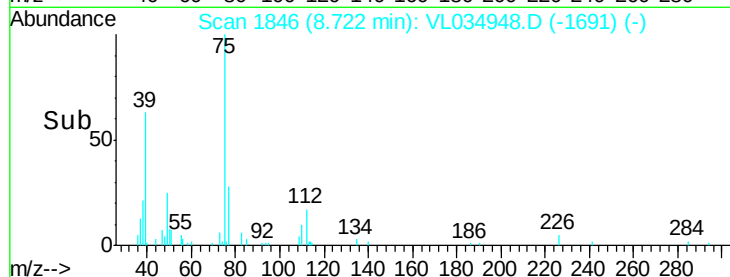
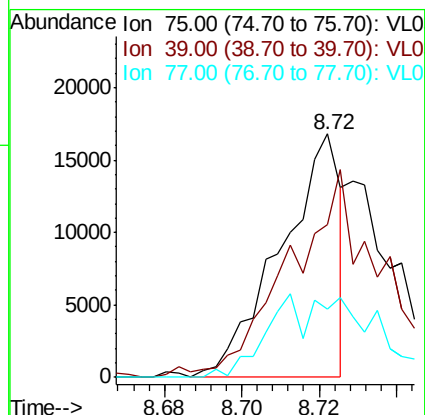
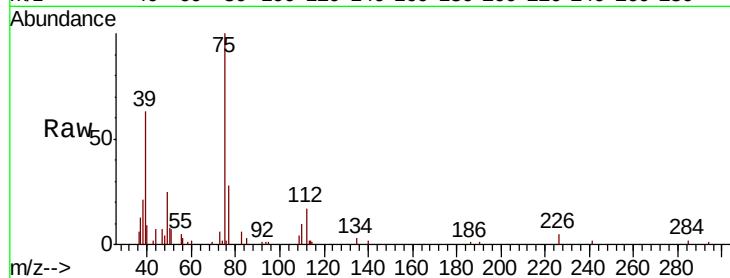


#46

cis-1,3-Dichloropropene
 Concen: 0.159 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Instrument :
 MSVOA_L
 ClientSampleId :

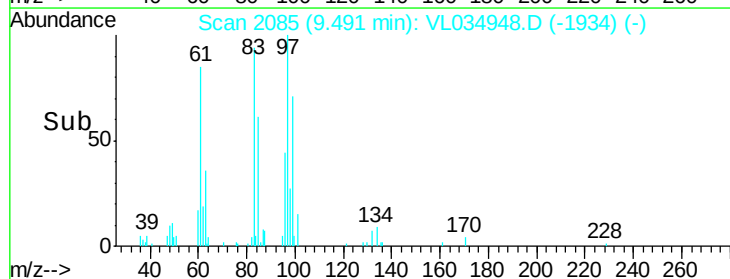
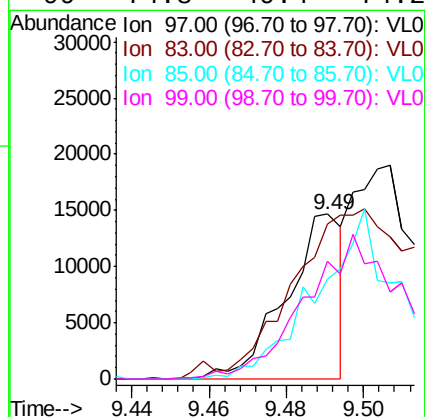
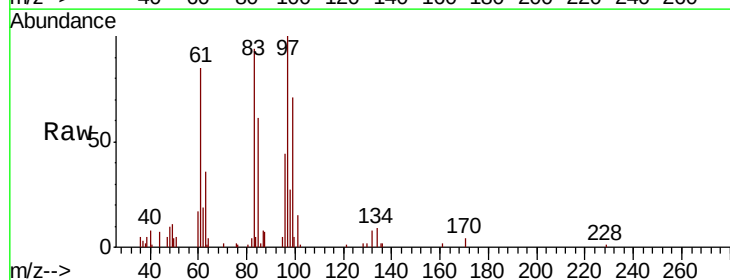
Tot Ion	Ratio	Lower	Upper
75	100		
39	60.5	51.5	77.3
77	28.0	25.5	38.3

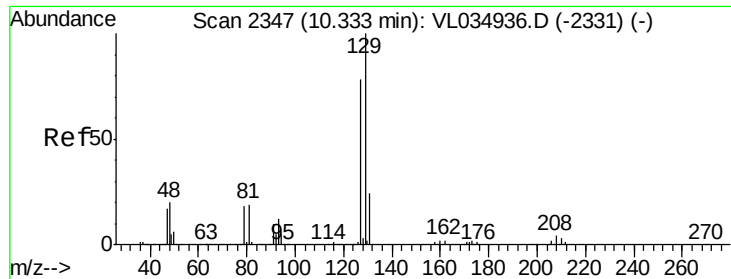


#47

1,1,2-Trichloroethane
 Concen: 0.161 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.3	75.6	113.4
85	60.7	47.0	70.6
99	74.8	49.4	74.2#





#48

Dibromochloromethane

Concen: 0.350 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

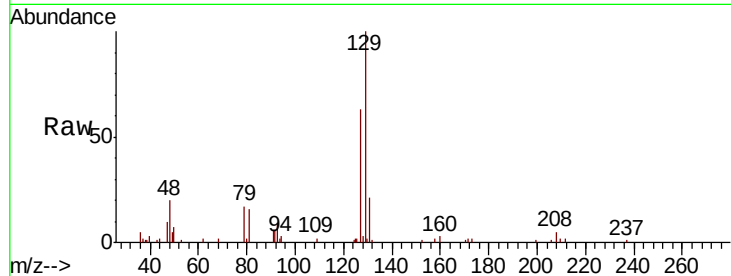
ClientSampleId :

Tot Ion:129 Resp: 49638

Ion Ratio Lower Upper

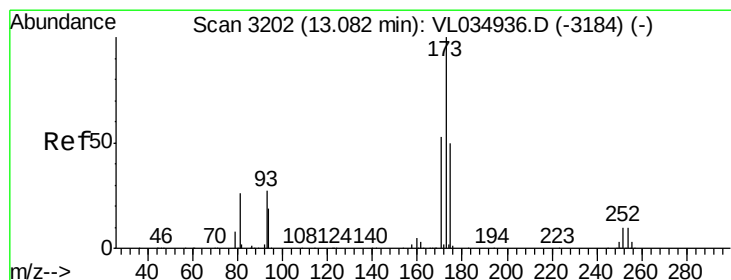
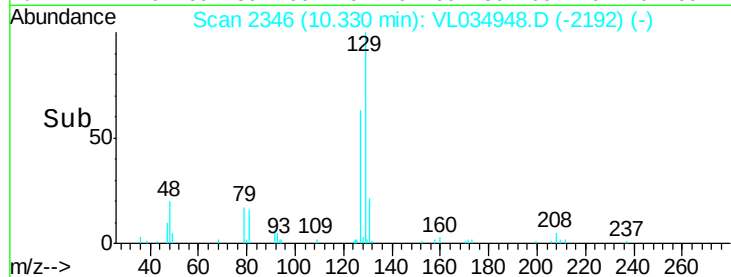
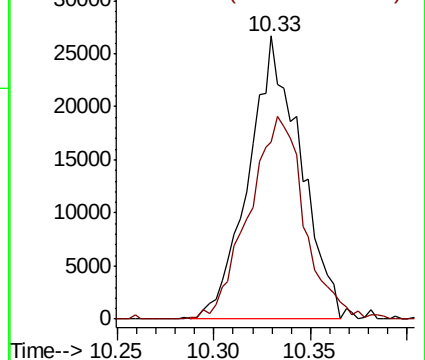
129 100

127 77.0 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: 0.350 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

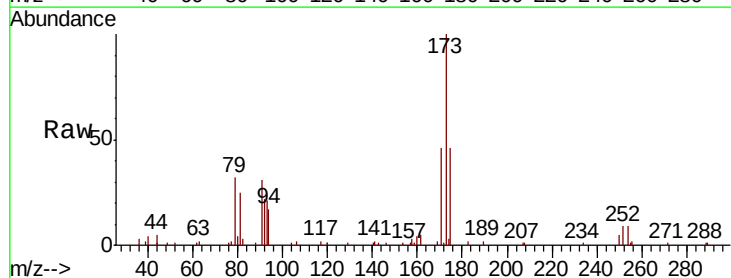
Tgt Ion:173 Resp: 42680

Ion Ratio Lower Upper

173 100

175 51.1 39.0 58.6

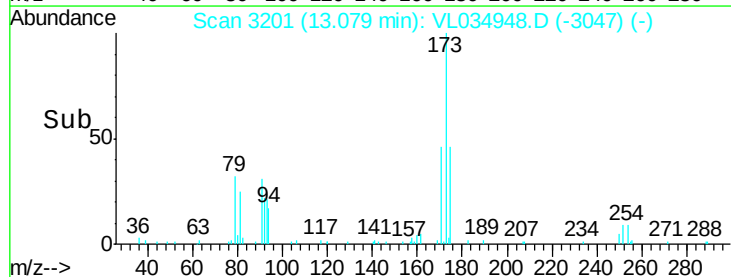
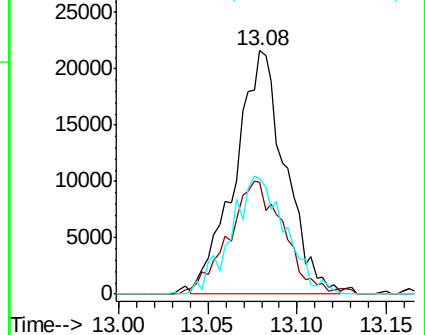
171 52.2 41.4 62.2

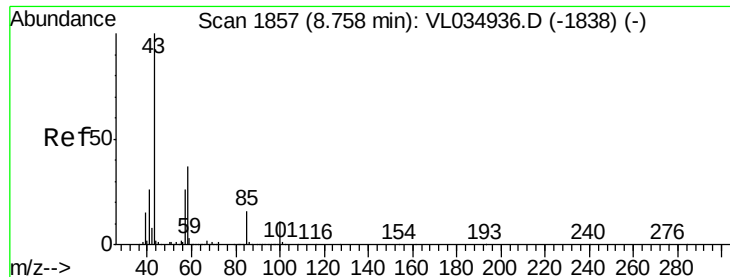


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

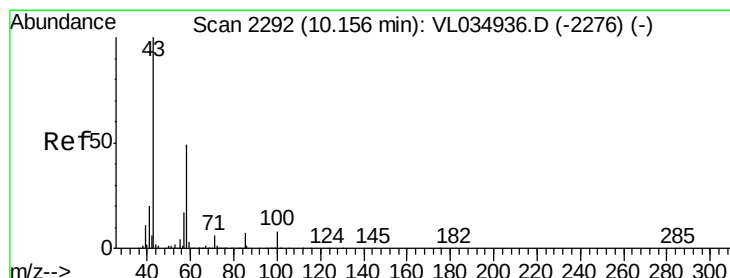
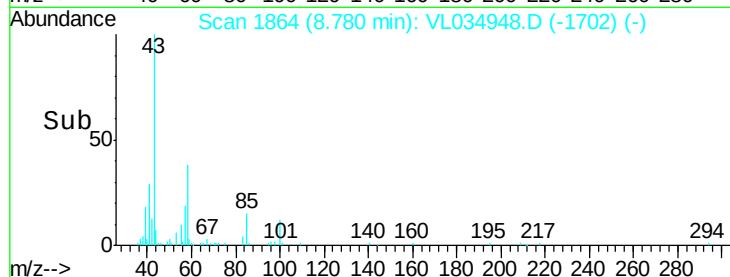
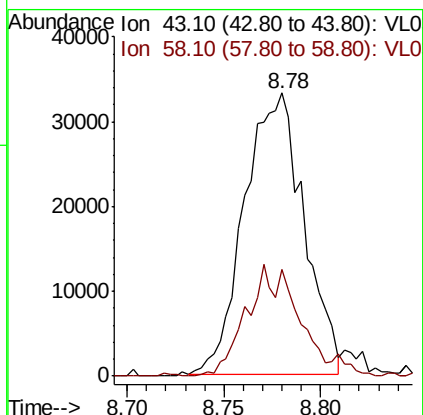
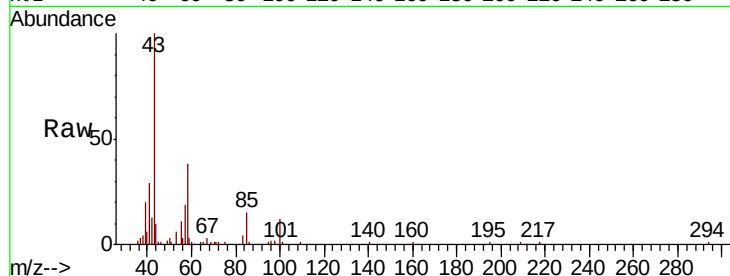




#50
 4-Methyl-2-Pentanone
 Concen: 0.301 ppbv
 RT: 8.78 min Scan# 1864
 Delta R.T. 0.02 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

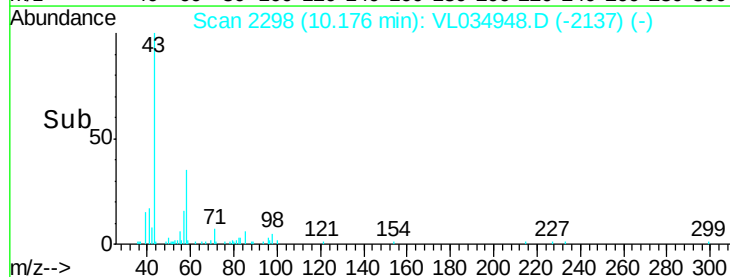
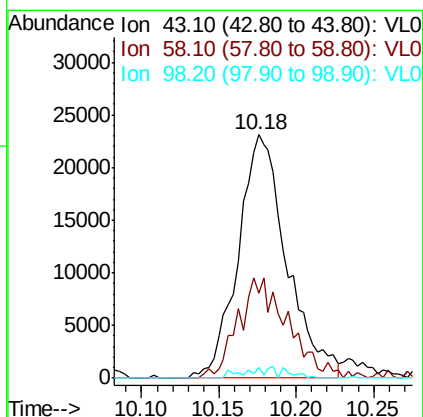
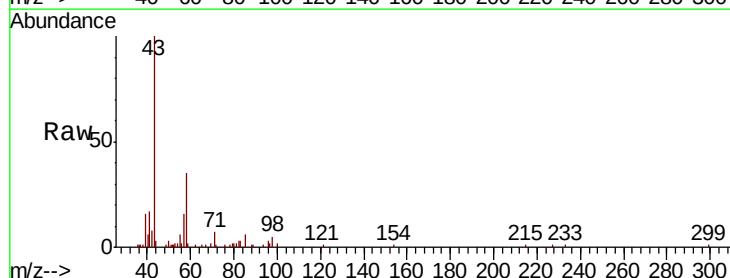
Instrument :
 MSVOA_L
 ClientSampleID :

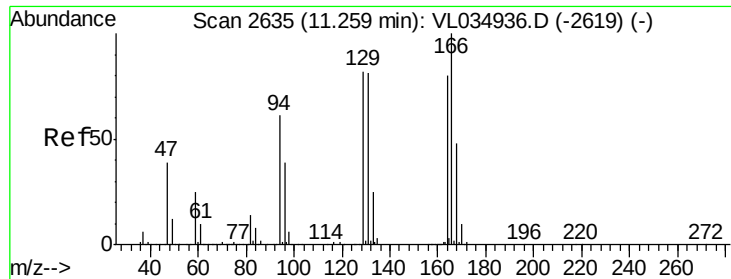
Tot Ion: 43 Resp: 70422
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.1 43.7



#51
 2-Hexanone
 Concen: 0.276 ppbv
 RT: 10.18 min Scan# 2298
 Delta R.T. 0.02 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion: 43 Resp: 50575
 Ion Ratio Lower Upper
 43 100
 58 42.9 39.1 58.7
 98 3.6 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.209 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. -0.01 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 16152

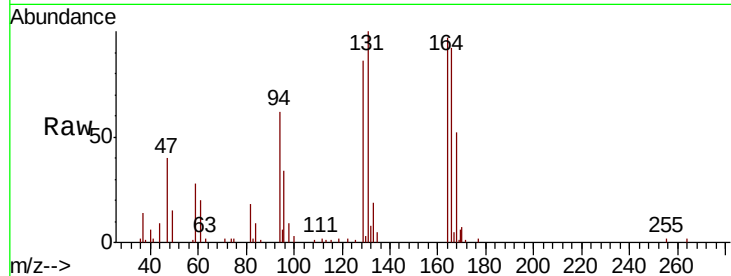
Ion Ratio Lower Upper

164 100

166 97.6 100.7 151.1#

129 85.4 83.0 124.4

131 101.3 81.0 121.4

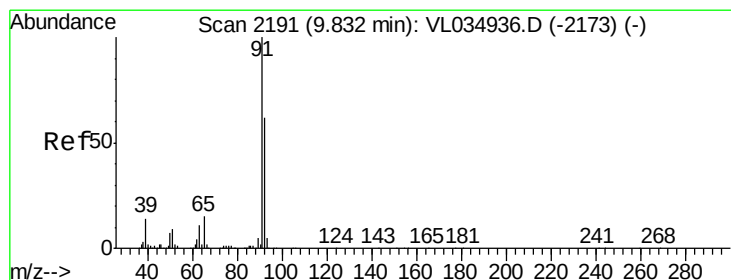
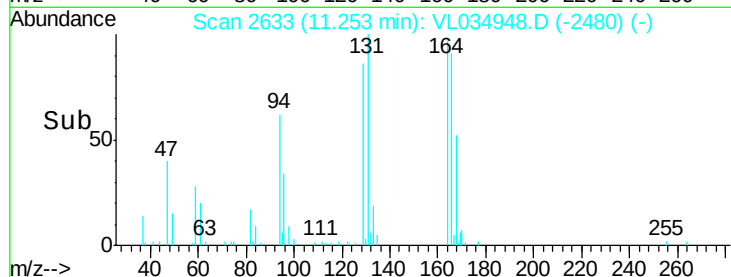
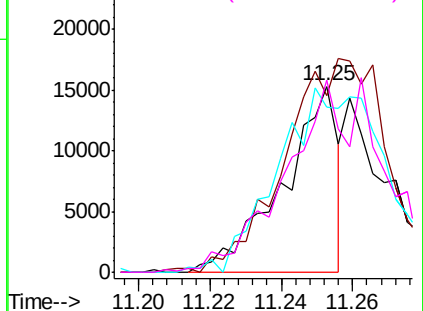


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.285 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL034948.D

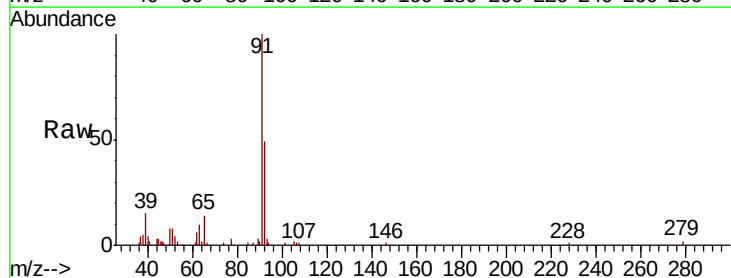
Acq: 6 May 2020 18:55

Tgt Ion: 91 Resp: 65806

Ion Ratio Lower Upper

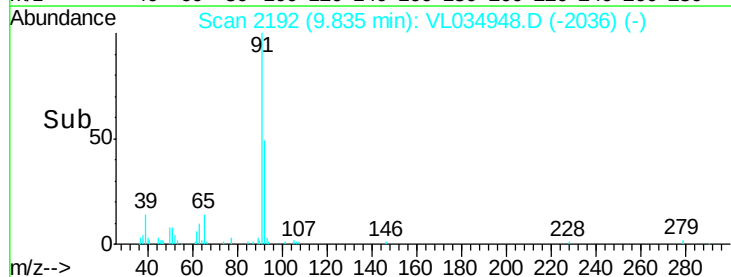
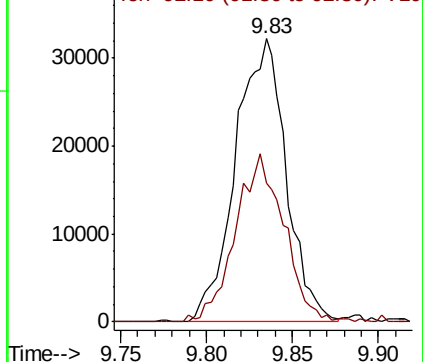
91 100

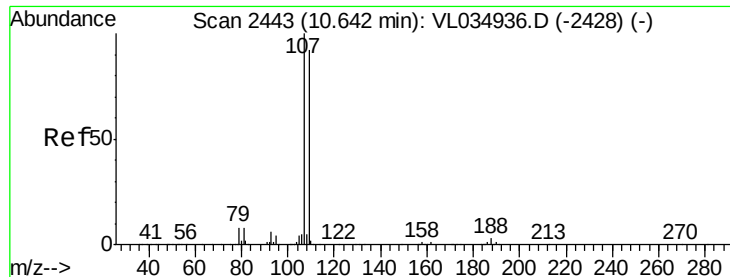
92 56.9 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

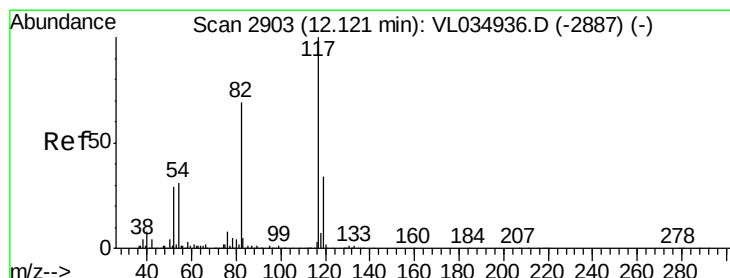
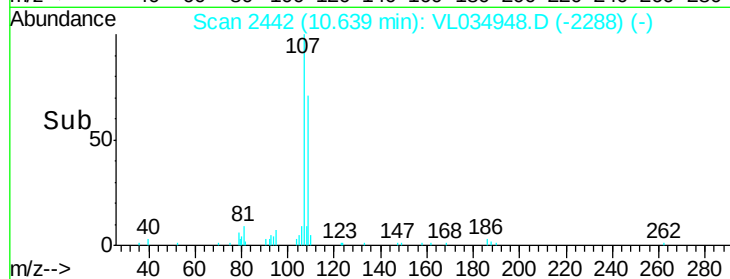
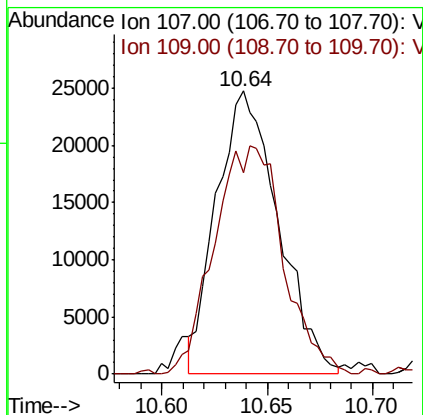
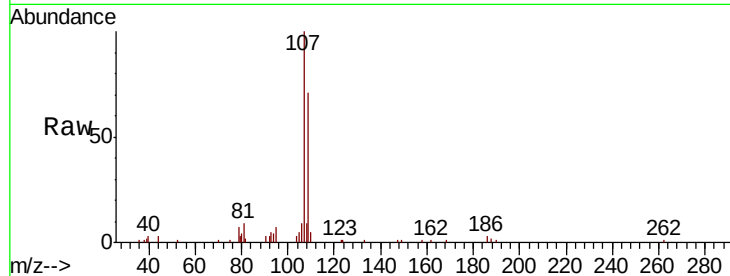




#54
 1,2-Dibromoethane
 Concen: 0.373 ppbv
 RT: 10.64 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

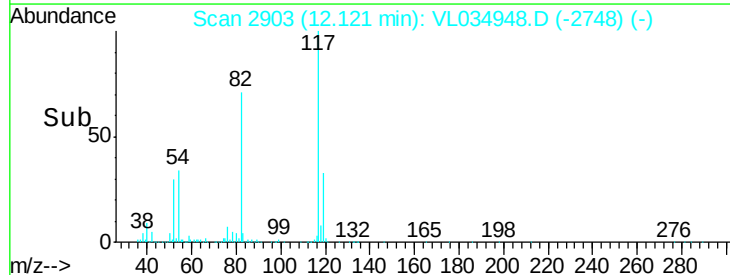
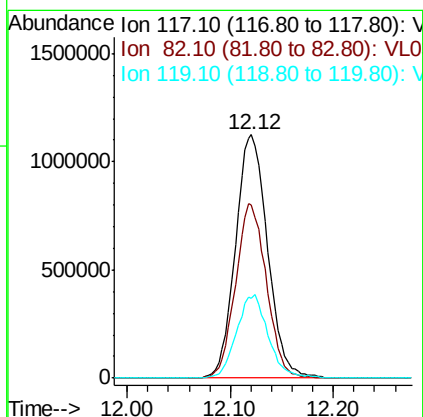
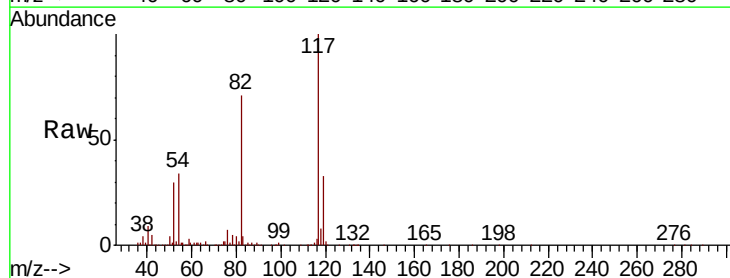
Instrument :
 MSVOA_L
 ClientSampled :

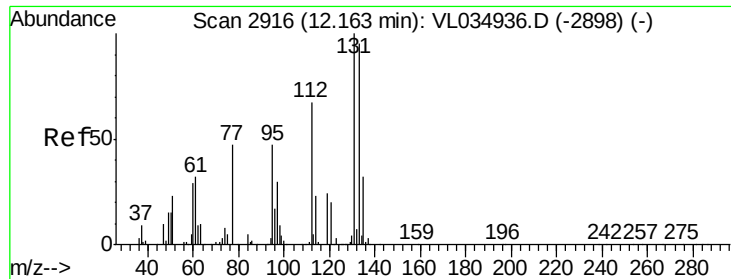
Tot Ion:107 Resp: 50478
 Ion Ratio Lower Upper
 107 100
 109 74.9 73.2 109.8



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion:117 Resp: 2435532
 Ion Ratio Lower Upper
 117 100
 82 69.4 53.1 79.7
 119 34.1 26.7 40.1

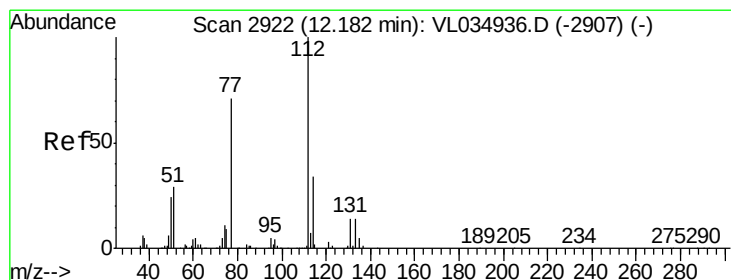
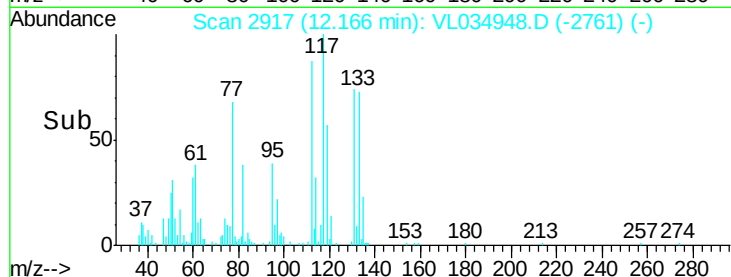
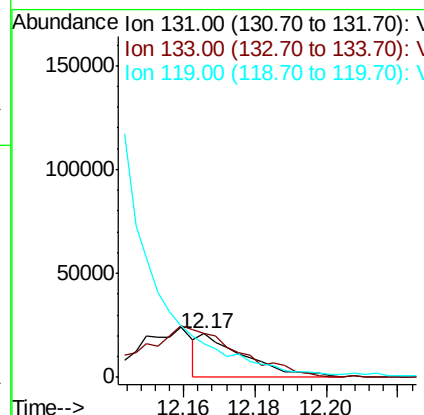
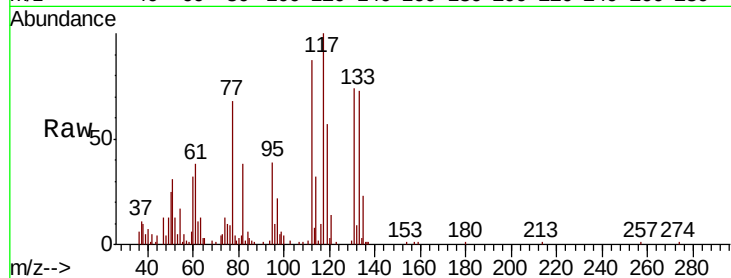




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.165 ppbv
 RT: 12.17 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

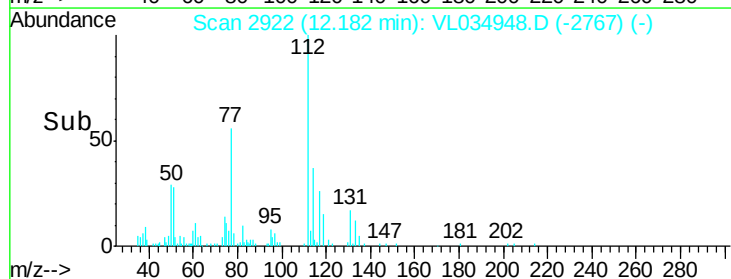
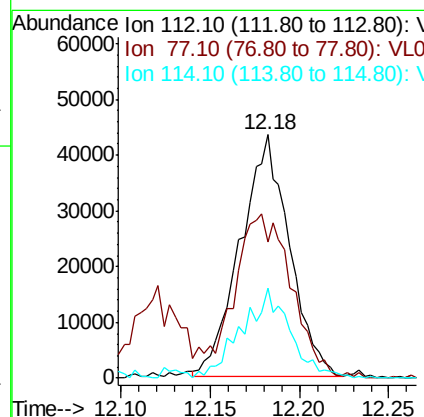
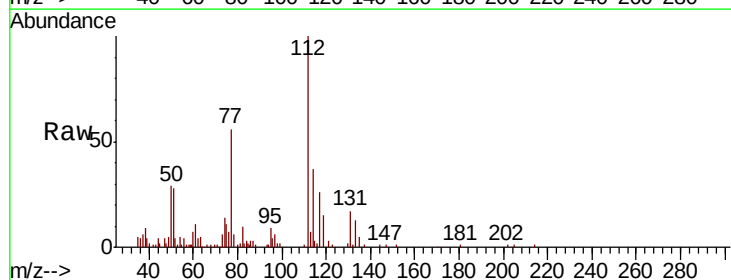
Instrument :
 MSVOA_L
 ClientSampleId :

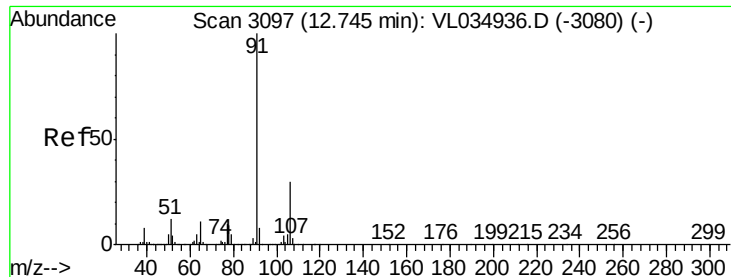
Tot Ion:131 Resp: 18153
 Ion Ratio Lower Upper
 131 100
 133 0.0 77.7 116.5#
 119 0.0 49.8 74.6#



#57
 Chlorobenzene
 Concen: 0.428 ppbv
 RT: 12.18 min Scan# 2922
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion:112 Resp: 82675
 Ion Ratio Lower Upper
 112 100
 77 55.4 57.0 85.6#
 114 37.3 30.8 37.6





#58

Ethyl Benzene

Concen: 0.289 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

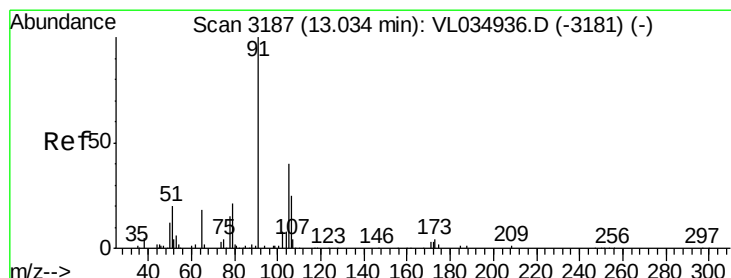
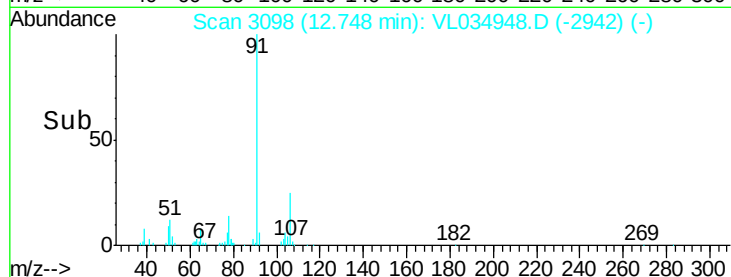
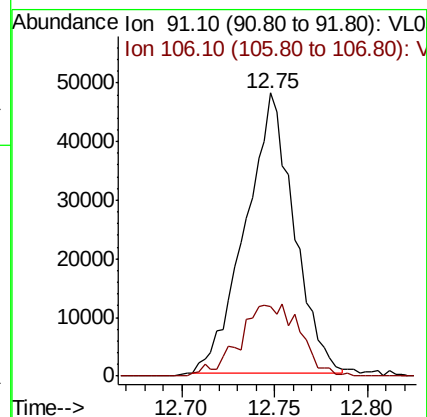
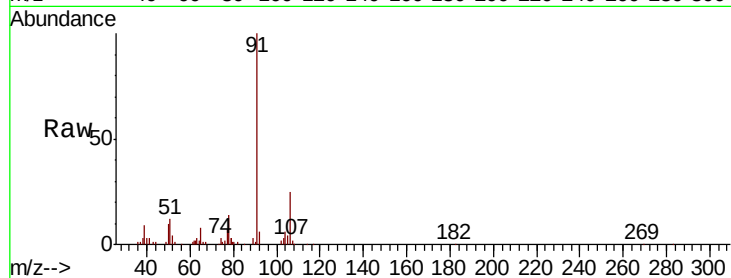
ClientSampleId :

Tot Ion: 91 Resp: 87069

Ion Ratio Lower Upper

91 100

106 24.4 24.2 36.4



#59

m/p-Xylene

Concen: 0.226 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VL034948.D

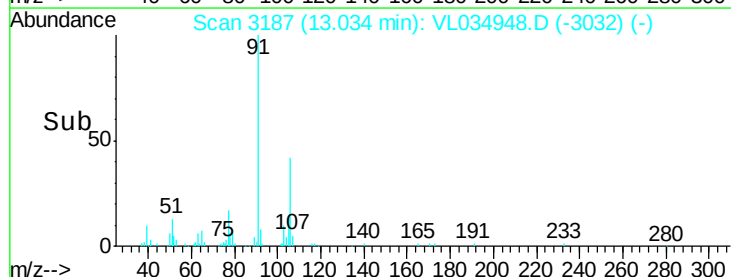
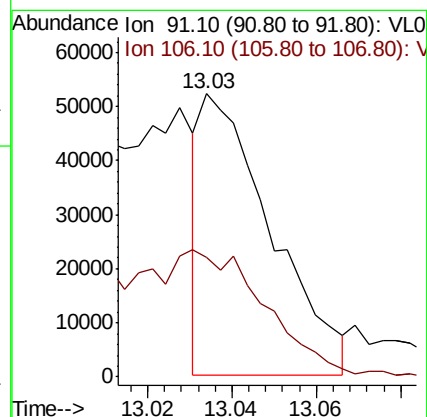
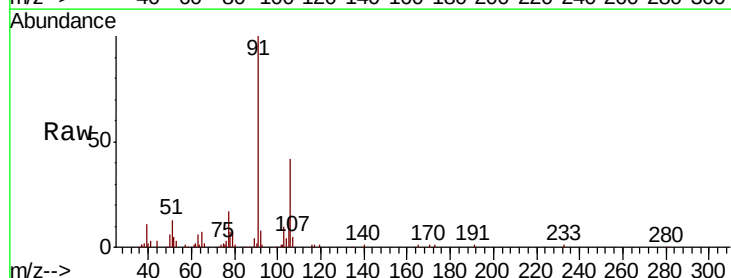
Acq: 6 May 2020 18:55

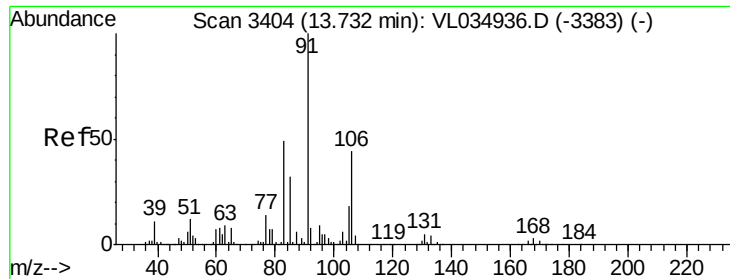
Tgt Ion: 91 Resp: 59887

Ion Ratio Lower Upper

91 100

106 130.0 66.0 99.0#

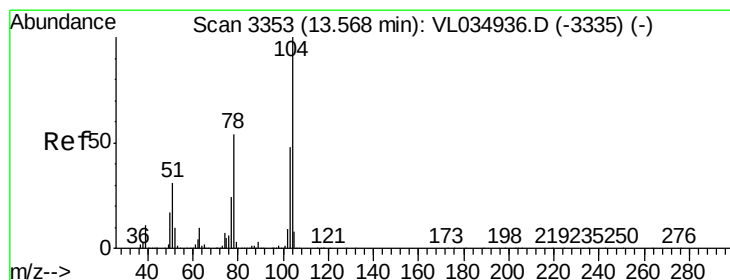
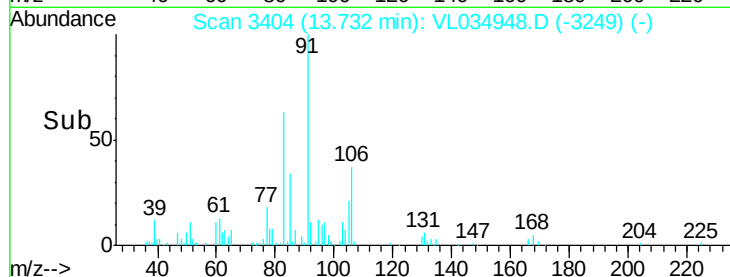
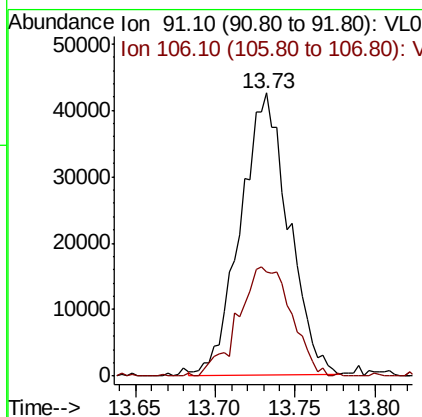
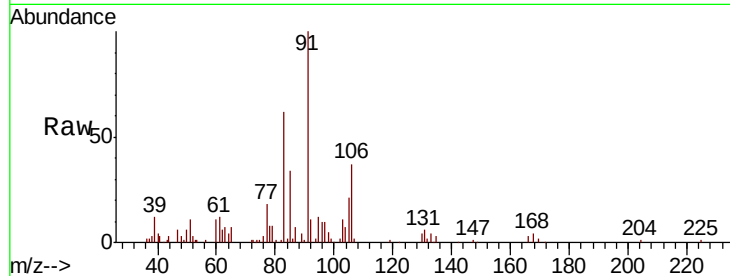




#60
o-Xylene
Concen: 0.334 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

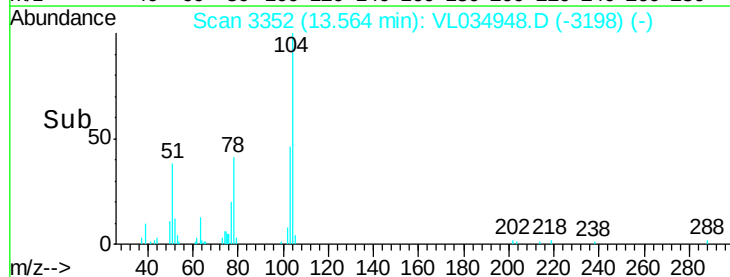
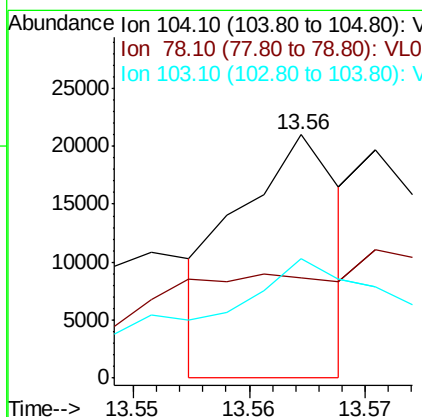
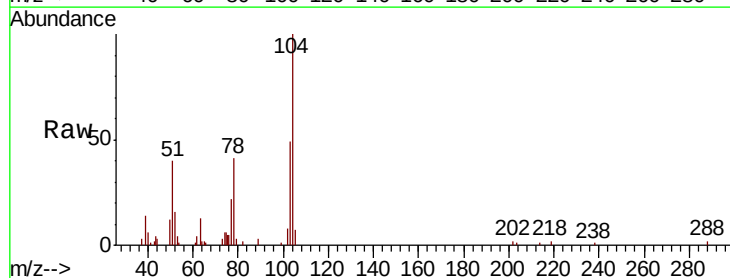
Instrument :
MSVOA_L
ClientSampleId :

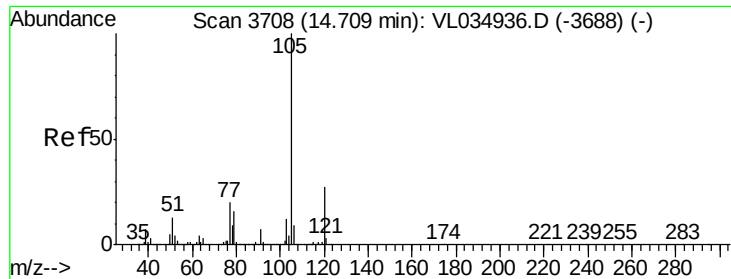
Tot Ion: 91 Resp: 87455
Ion Ratio Lower Upper
91 100
106 42.6 21.9 65.5



#61
Styrene
Concen: 0.078 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion: 104 Resp: 12980
Ion Ratio Lower Upper
104 100
78 0.0 43.7 65.5#
103 158.0 38.8 58.2#





#62

Isopropylbenzene

Concen: 0.351 ppbv

RT: 14.71 min Scan# 3707

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

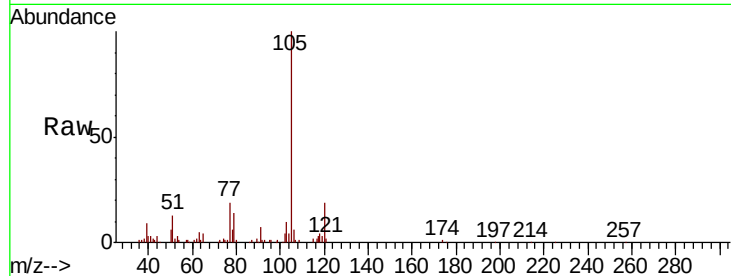
ClientSampleId :

Tot Ion:105 Resp: 136876

Ion Ratio Lower Upper

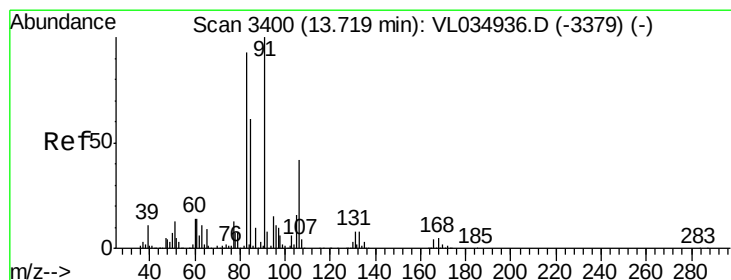
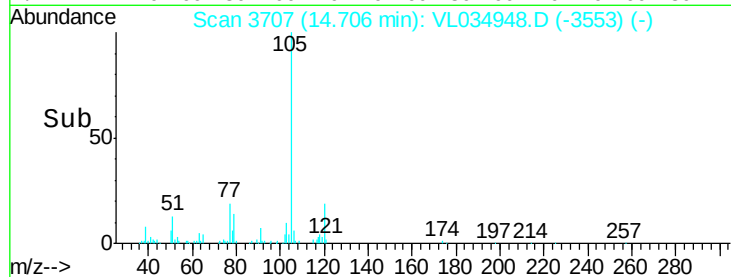
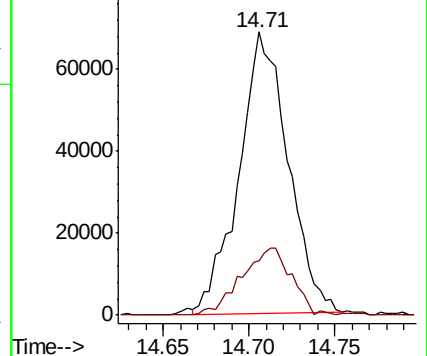
105 100

120 24.7 20.6 31.0



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: 0.227 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

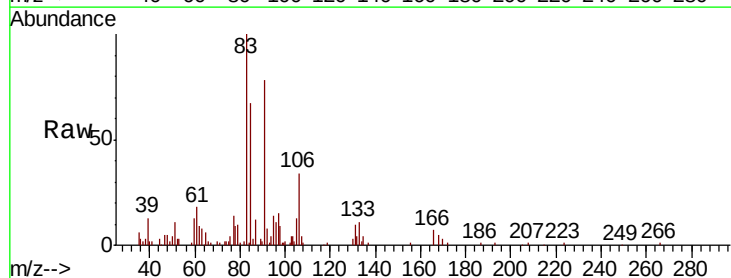
Tgt Ion: 83 Resp: 46688

Ion Ratio Lower Upper

83 100

131 17.8 4.7 14.0#

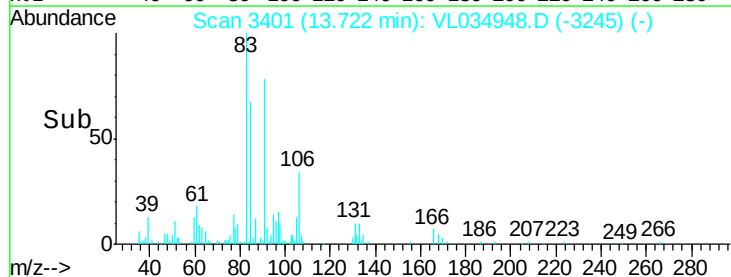
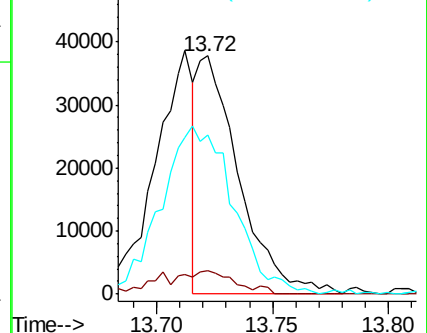
85 0.0 32.5 97.4#

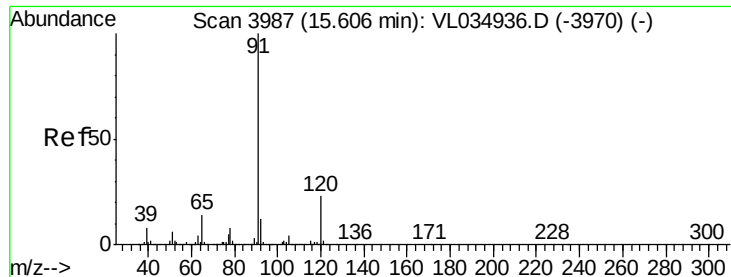


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.199 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

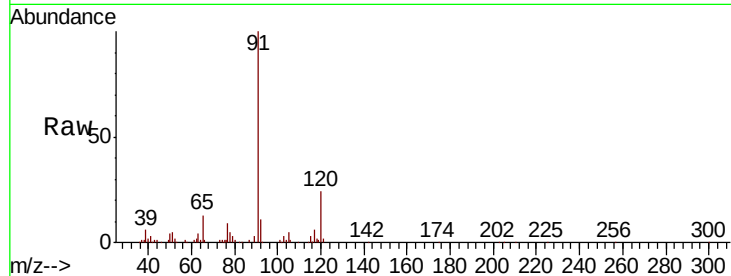
ClientSampleId :

Tot Ion:120 Resp: 19965

Ion Ratio Lower Upper

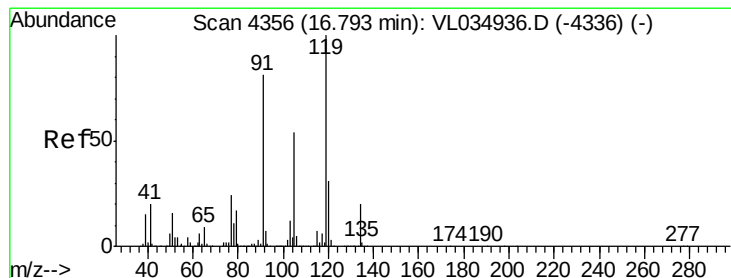
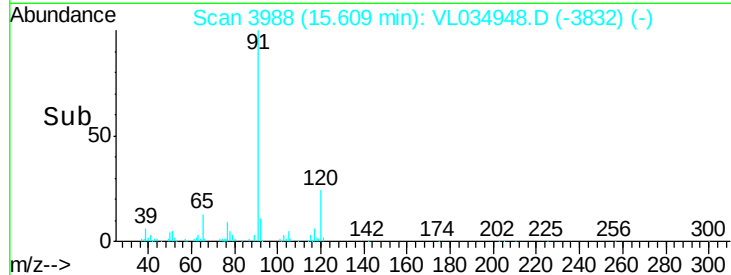
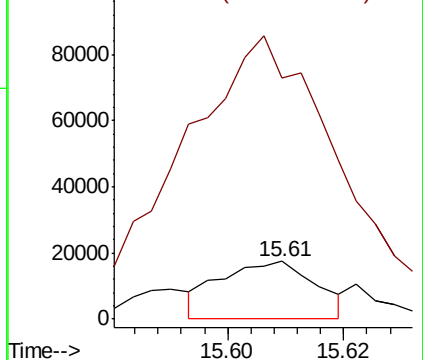
120 100

91 885.8 373.5 560.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.335 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

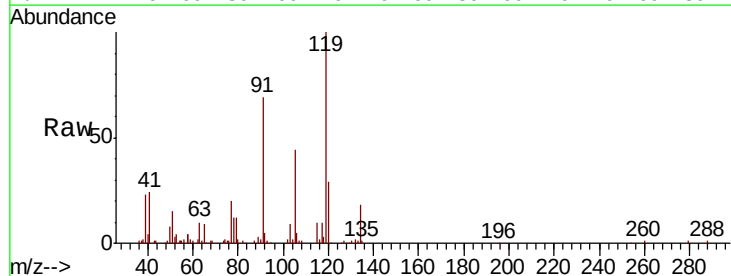
Tgt Ion:119 Resp: 113462

Ion Ratio Lower Upper

119 100

91 92.0 67.5 101.3

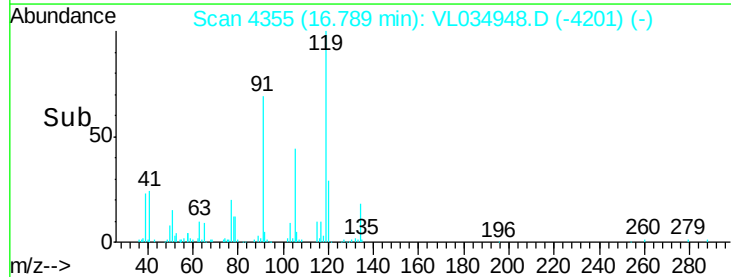
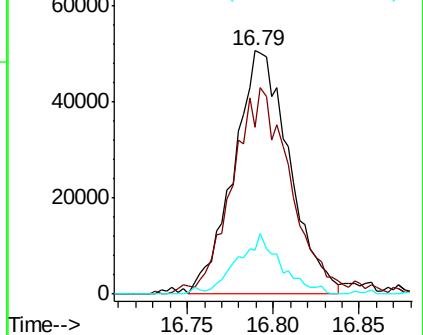
134 20.0 16.1 24.1

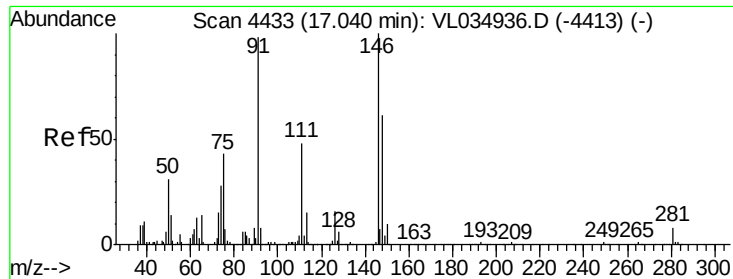


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

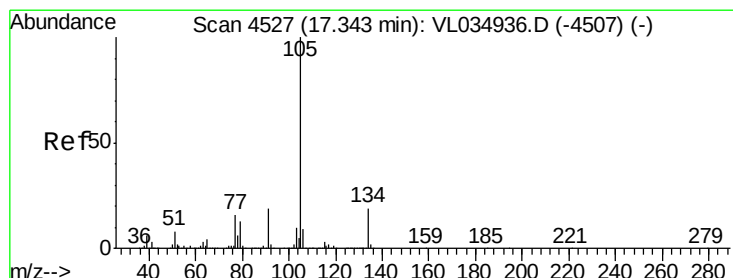
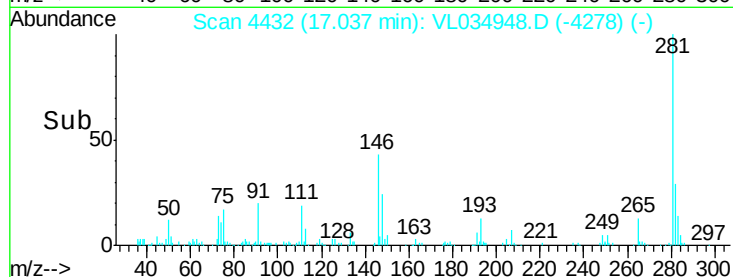
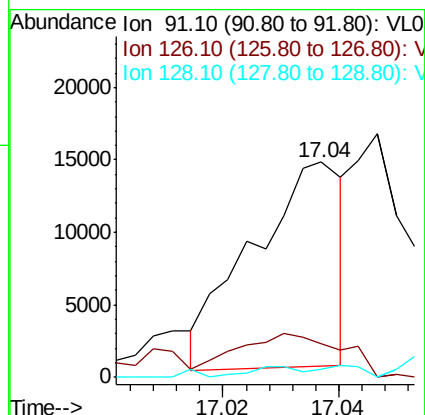
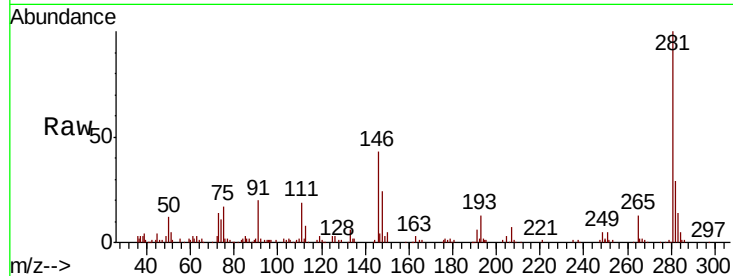




#66
Benzyl Chloride
Concen: 0.134 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

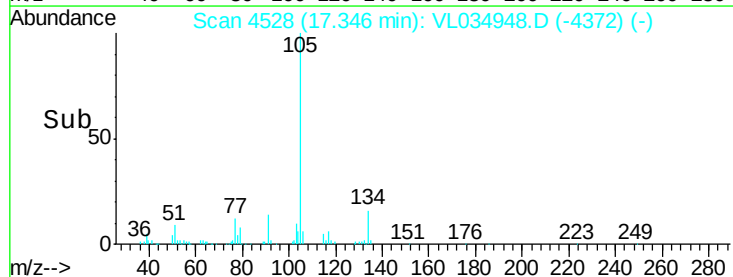
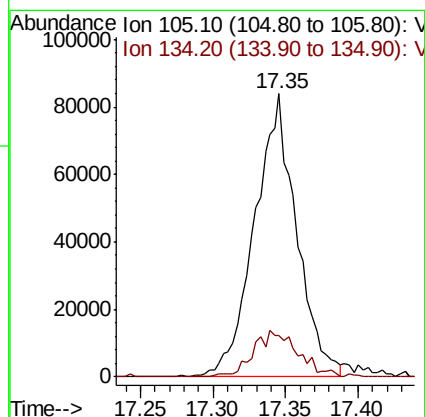
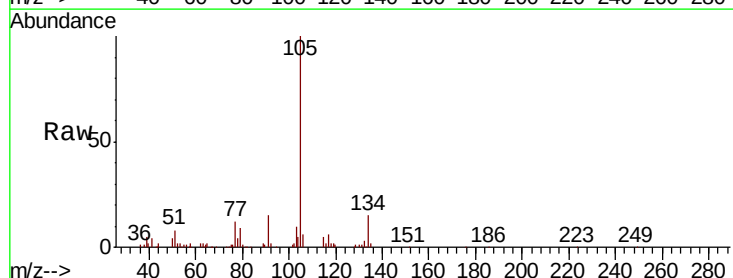
Instrument :
MSVOA_L
ClientSampled :

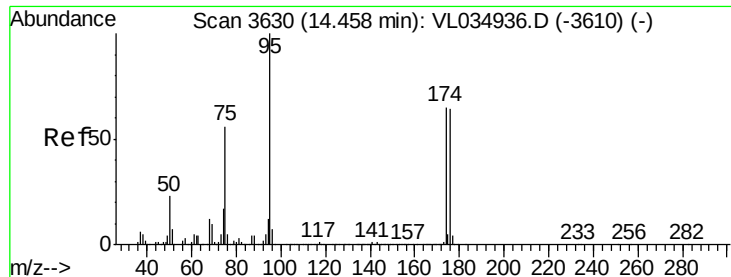
Tot Ion: 91 Resp: 15403
Ion Ratio Lower Upper
91 100
126 42.1 13.8 20.6#
128 0.0 4.3 6.5#



#67
sec-Butylbenzene
Concen: 0.350 ppbv
RT: 17.35 min Scan# 4528
Delta R.T. 0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion: 105 Resp: 169164
Ion Ratio Lower Upper
105 100
134 17.6 14.8 22.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.456 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

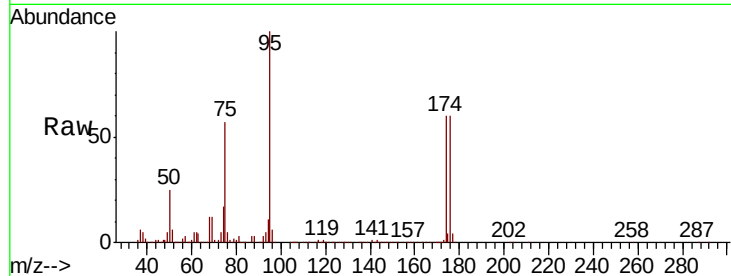
Tot Ion: 95 Resp: 2061291

Ion Ratio Lower Upper

95 100

174 64.8 51.5 77.3

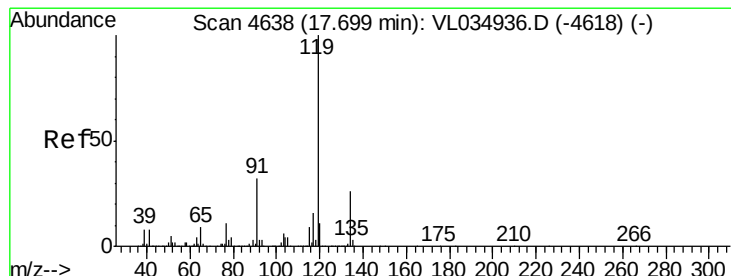
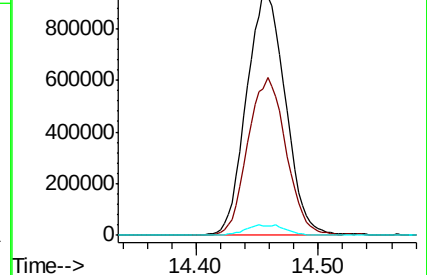
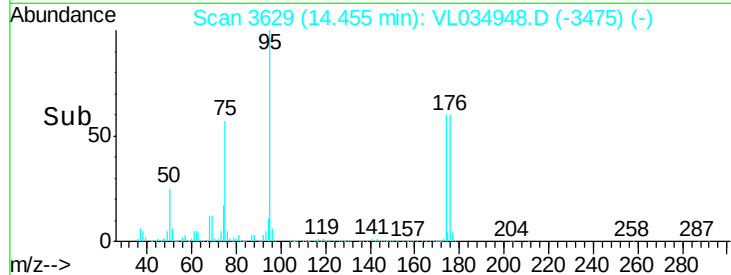
175 4.5 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL034936.D (-3610) (-)

Ion 174.00 (173.70 to 174.70): VL034936.D (-3610) (-)

Ion 175.00 (174.70 to 175.70): VL034936.D (-3610) (-)



#69

p-Isopropyltoluene

Concen: 0.158 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

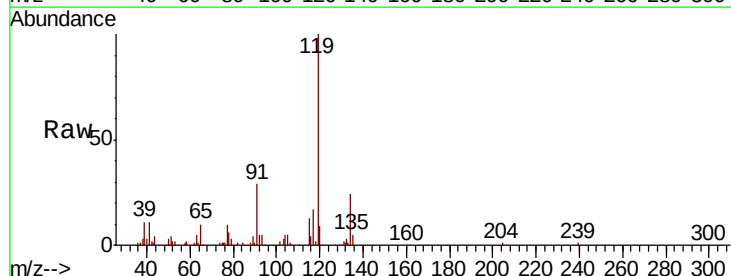
Tgt Ion: 119 Resp: 61620

Ion Ratio Lower Upper

119 100

134 49.7 20.3 30.5#

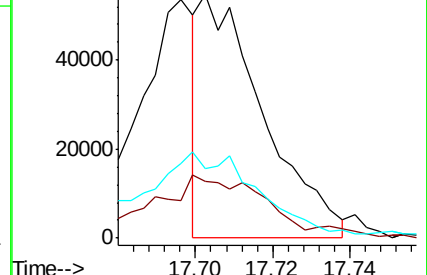
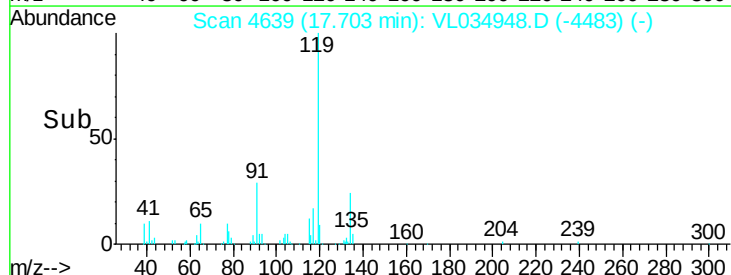
91 69.6 24.6 36.8#

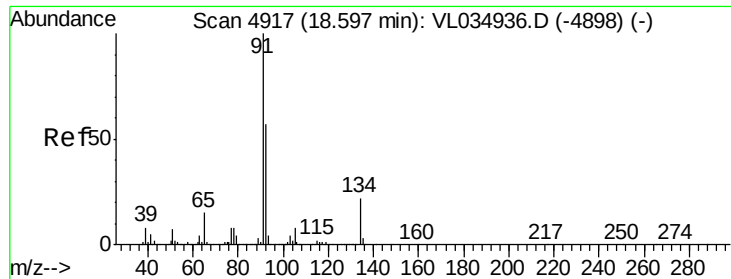


Abundance Ion 119.10 (118.80 to 119.80): VL034936.D (-4618) (-)

Ion 134.20 (133.90 to 134.90): VL034936.D (-4618) (-)

Ion 91.10 (90.80 to 91.80): VL034936.D (-4618) (-)

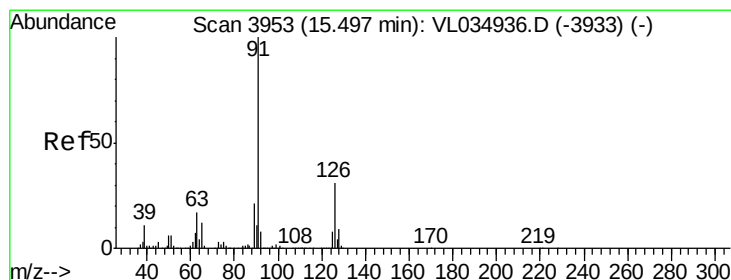
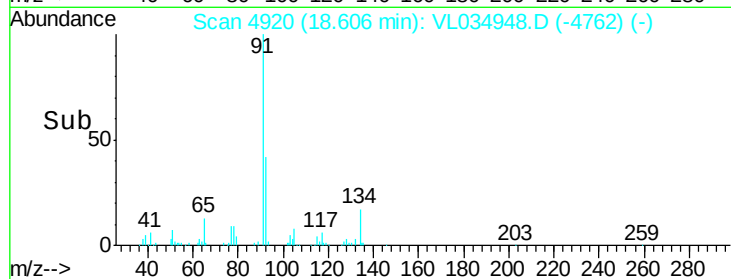
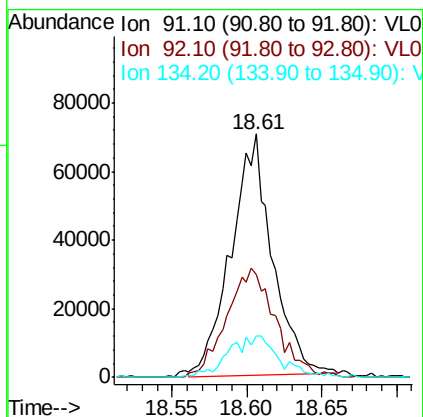
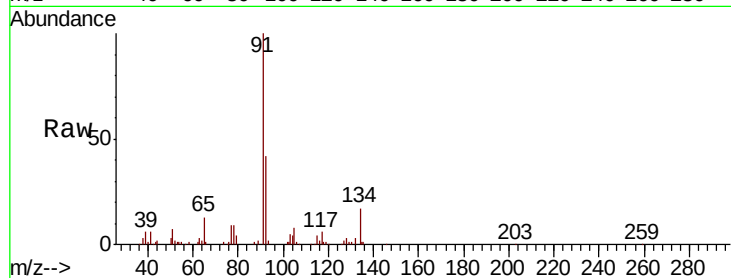




#70
n-Butylbenzene
Concen: 0.325 ppbv
RT: 18.61 min Scan# 4920
Delta R.T. 0.01 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

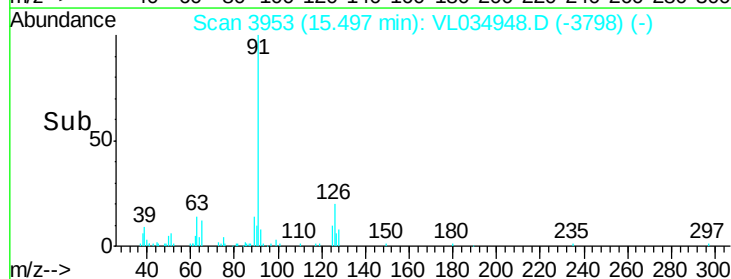
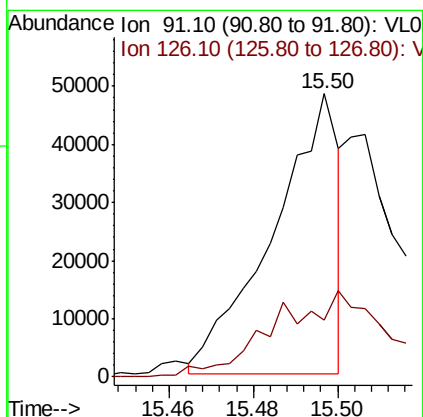
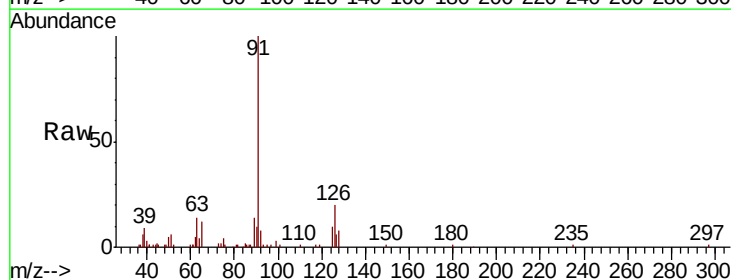
Instrument :
MSVOA_L
ClientSampleId :

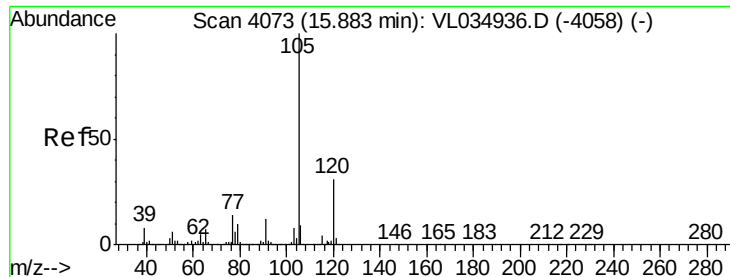
Tot Ion: 91 Resp: 135406
Ion Ratio Lower Upper
91 100
92 54.1 44.4 66.6
134 21.4 18.0 27.0



#71
2-Chlorotoluene
Concen: 0.177 ppbv
RT: 15.50 min Scan# 3953
Delta R.T. -0.00 min
Lab File: VL034948.D
Acq: 6 May 2020 18:55

Tgt Ion: 91 Resp: 52187
Ion Ratio Lower Upper
91 100
126 53.7 12.0 47.8#





#72

4-Ethyltoluene

Concen: 0.296 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. -0.00 min

Lab File: VL034948.D

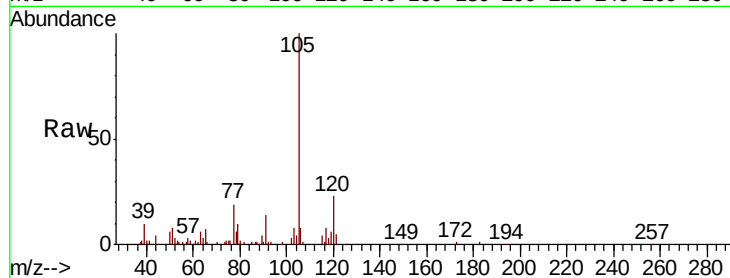
Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	86229
Ion Ratio	Lower	Upper
105	100	
120	27.6	23.8 35.8
91	18.1	10.6 15.8#
77	17.3	11.6 17.4

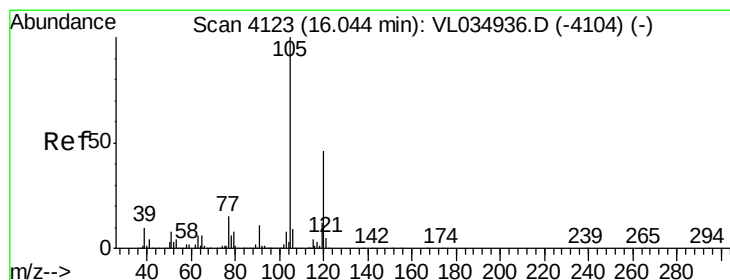
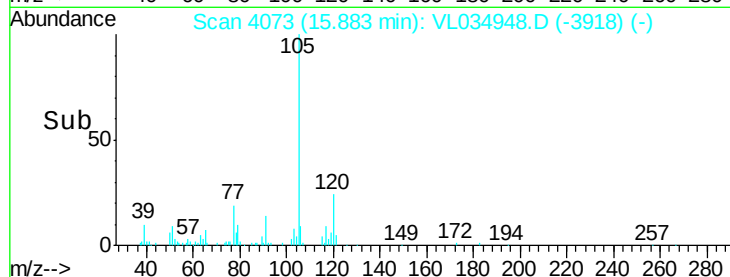
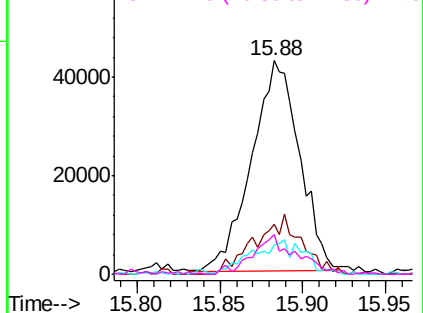


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.315 ppbv

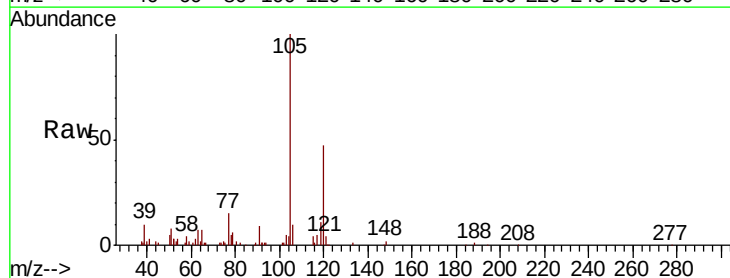
RT: 16.04 min Scan# 4122

Delta R.T. -0.00 min

Lab File: VL034948.D

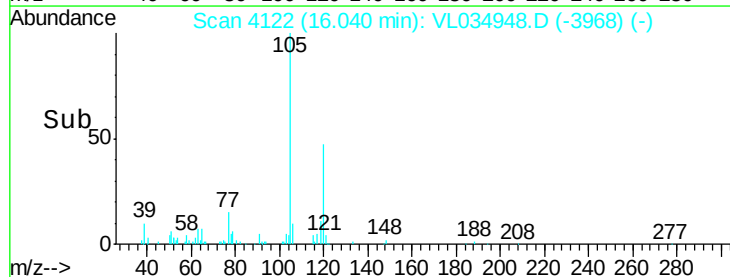
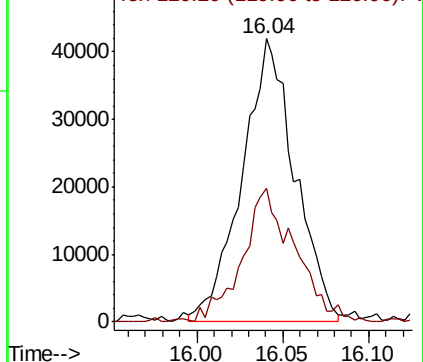
Acq: 6 May 2020 18:55

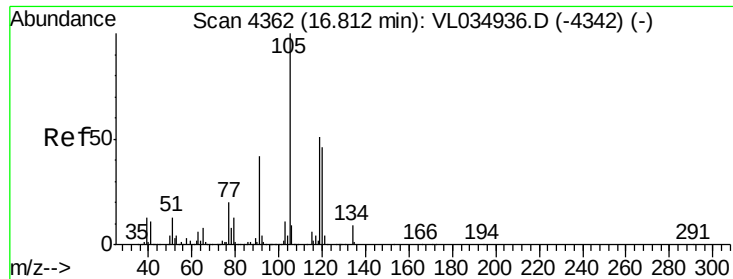
Tgt Ion:105	Resp:	89526
Ion Ratio	Lower	Upper
105	100	
120	47.7	36.4 54.6



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: 0.364 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. -0.00 min

Lab File: VL034948.D

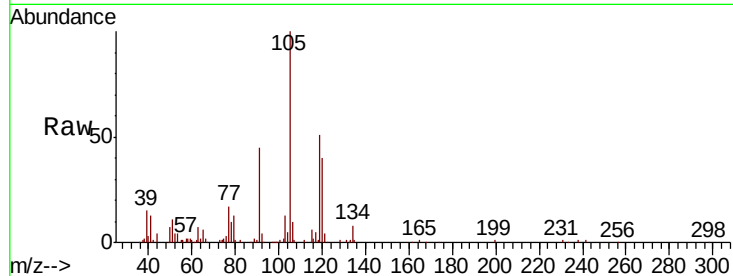
Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105	Resp:	112819
Ion Ratio	Lower	Upper
105	100	
120	37.8	36.8 55.2
91	43.1	35.4 53.0
77	14.5	16.2 24.2#

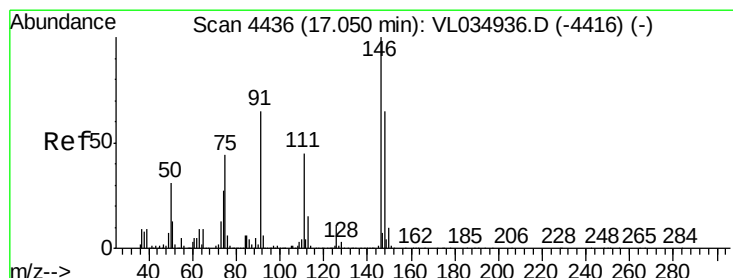
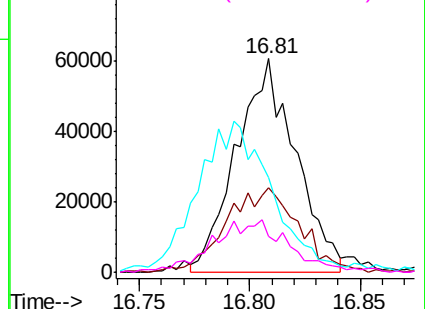
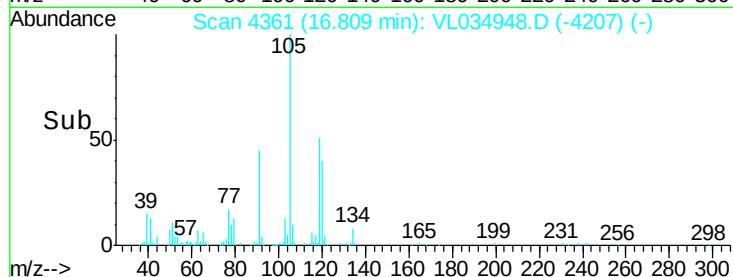


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.185 ppbv

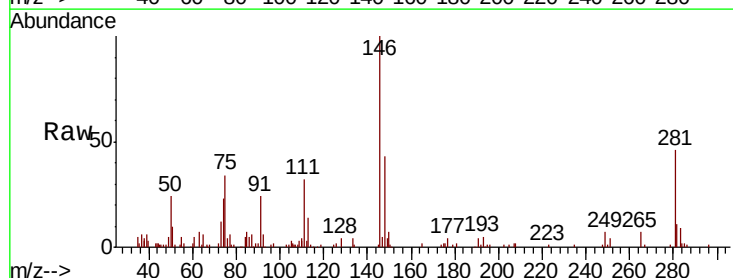
RT: 17.05 min Scan# 4437

Delta R.T. 0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

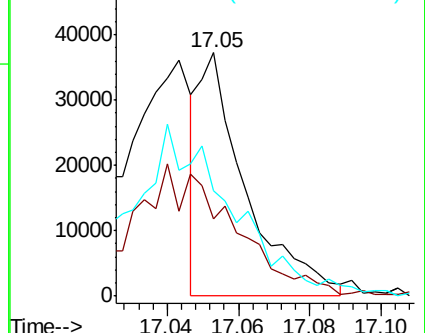
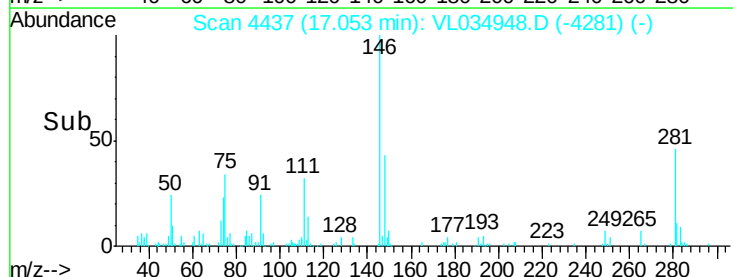
Tgt Ion:146	Resp:	33669
Ion Ratio	Lower	Upper
146	100	
111	0.0	24.0 72.0#
148	0.0	32.6 97.7#

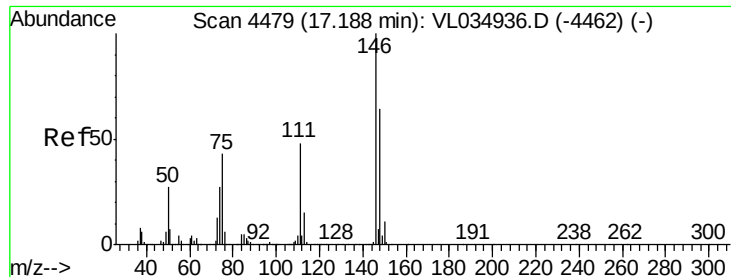


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

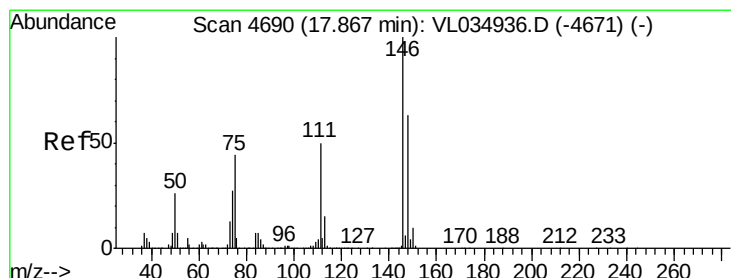
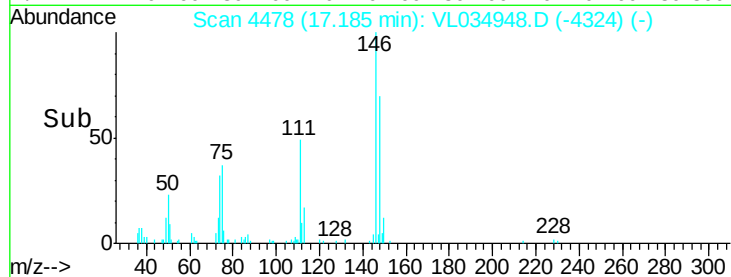
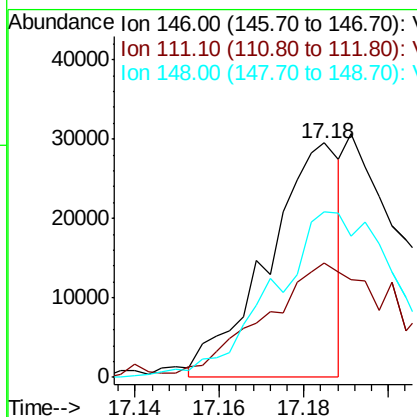
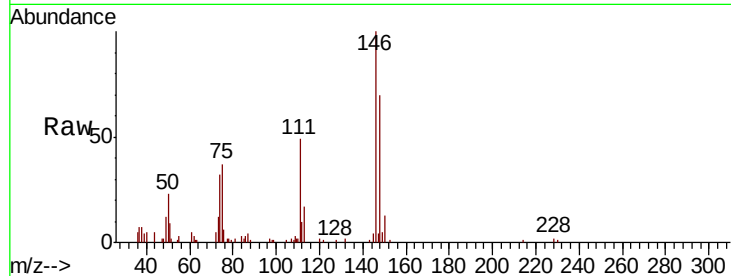




#76
 1,4-Dichlorobenzene
 Concen: 0.202 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

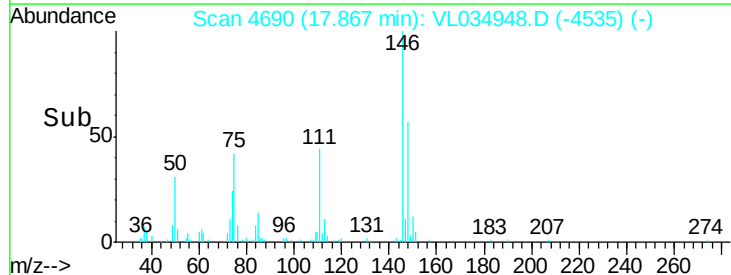
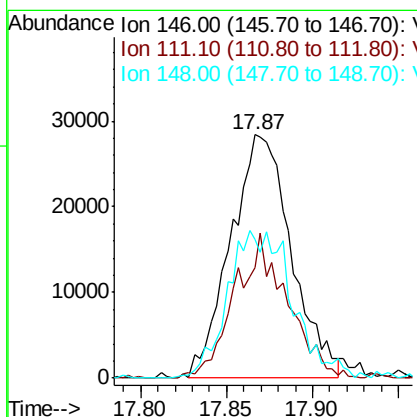
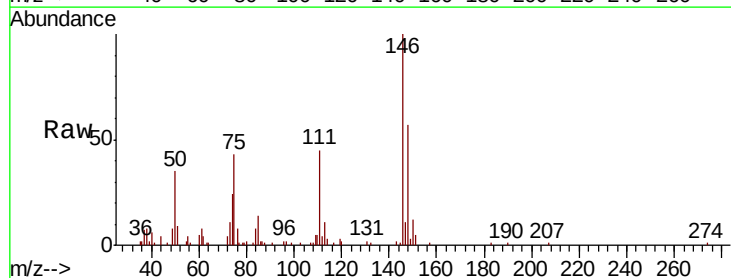
Instrument :
 MSVOA_L
 ClientSampleId :

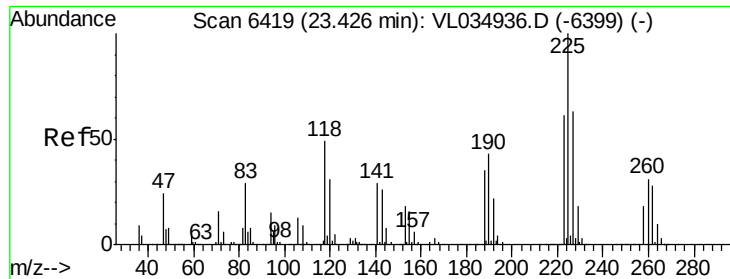
Tot Ion:146 Resp: 34872
 Ion Ratio Lower Upper
 146 100
 111 97.3 23.7 71.1#
 148 129.6 32.6 97.8#



#77
 1,2-Dichlorobenzene
 Concen: 0.408 ppbv
 RT: 17.87 min Scan# 4690
 Delta R.T. -0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion:146 Resp: 69896
 Ion Ratio Lower Upper
 146 100
 111 51.6 24.5 73.5
 148 64.2 31.7 95.1

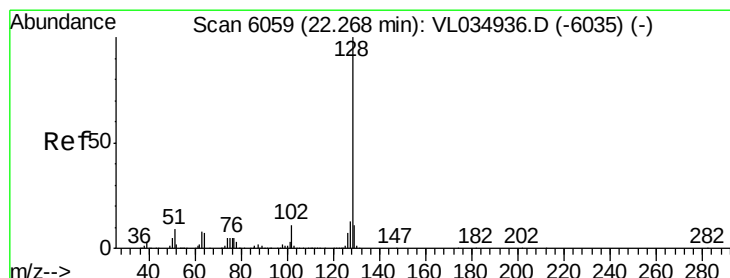
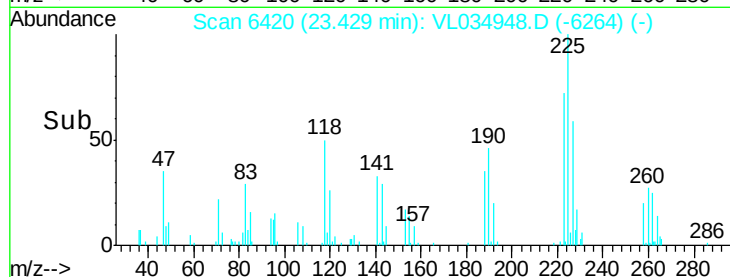
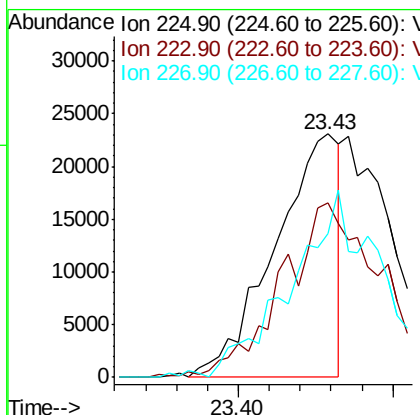
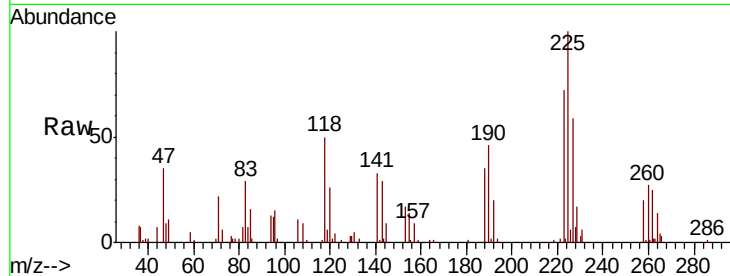




#78
 Hexachloro-1,3-Butadiene
 Concen: 0.228 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.00 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

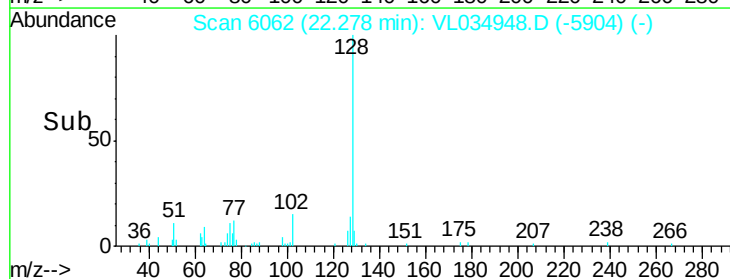
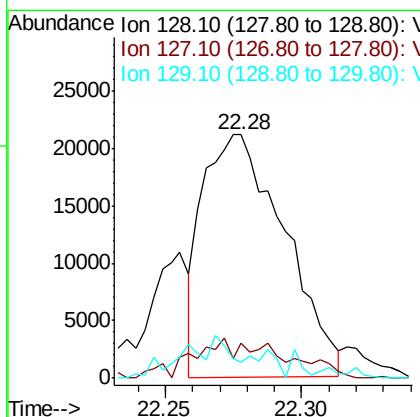
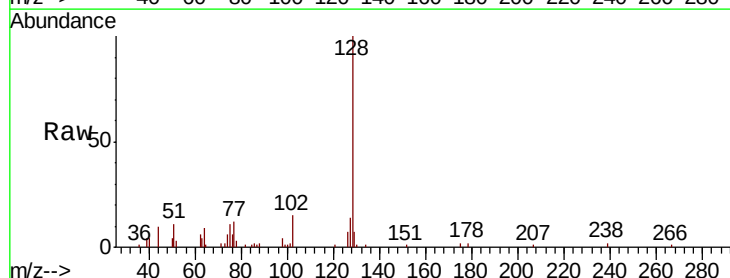
Instrument :
 MSVOA_L
 ClientSampleId :

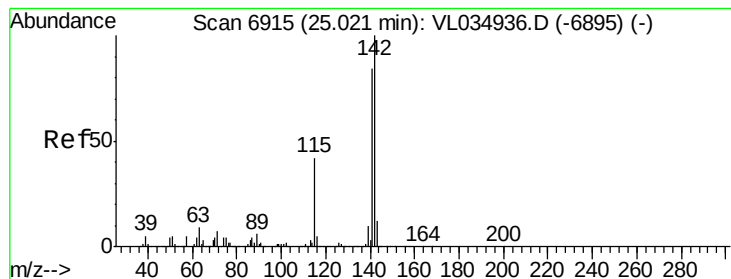
Tot Ion:225 Resp: 33368
 Ion Ratio Lower Upper
 225 100
 223 111.9 49.8 74.8#
 227 0.0 51.8 77.6#



#79
 Naphthalene
 Concen: 0.182 ppbv
 RT: 22.28 min Scan# 6062
 Delta R.T. 0.01 min
 Lab File: VL034948.D
 Acq: 6 May 2020 18:55

Tgt Ion:128 Resp: 43894
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.5 15.7
 129 5.5 9.0 13.4#





#80

Naphthalene, 2-methyl-

Concen: 0.123 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

Instrument :

MSVOA_L

ClientSampleId :

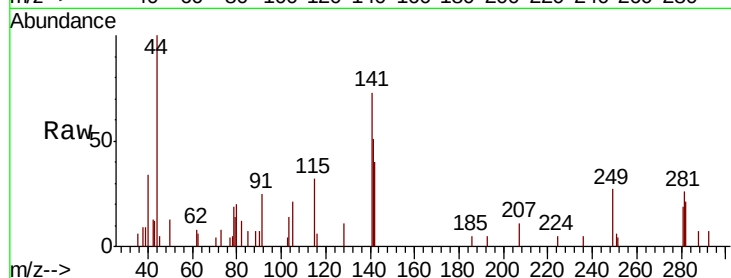
Tot Ion:142 Resp: 7277

Ion Ratio Lower Upper

142 100

141 82.6 68.6 102.8

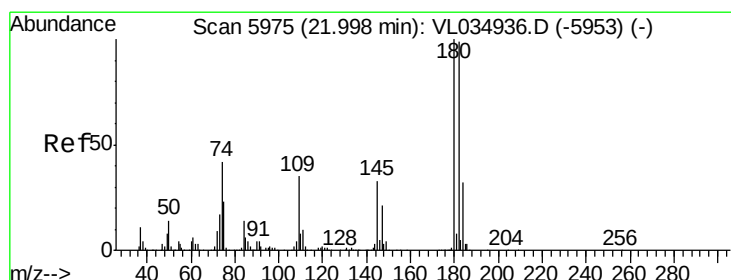
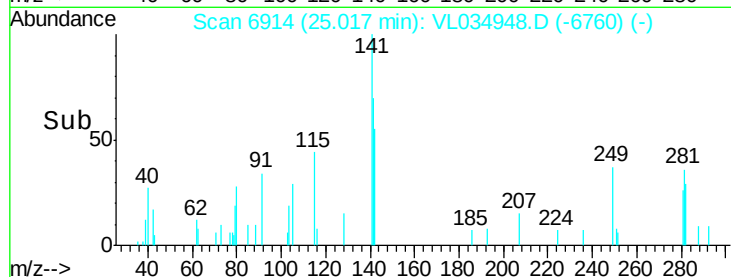
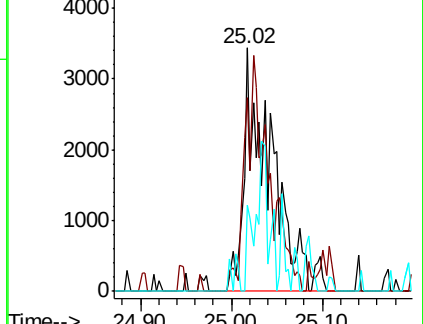
115 32.5 33.9 50.9#



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: 0.323 ppbv

RT: 22.00 min Scan# 5975

Delta R.T. -0.00 min

Lab File: VL034948.D

Acq: 6 May 2020 18:55

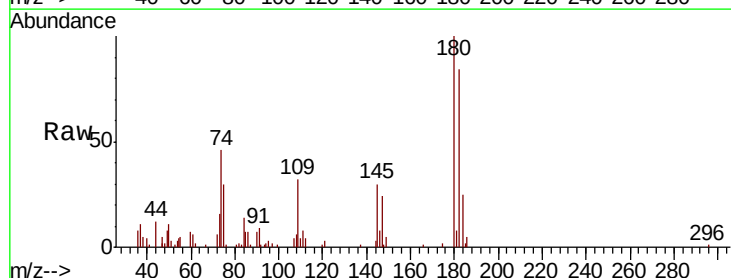
Tgt Ion:180 Resp: 47311

Ion Ratio Lower Upper

180 100

182 92.0 77.5 116.3

184 32.6 24.8 37.2



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

