

Data File : VL034652.D
Acq On : 19 Feb 2020 18:58
Operator : SY/AP
Sample : VL0219ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Quant Time: Feb 20 06:50:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	976641	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2015552	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2087677	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1737233	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1519886	7.066	ppbv	94
3) Chlorodifluoromethane	2.94	51	1300999	11.024	ppbv	100
4) Chloromethane	3.10	50	718952	9.957	ppbv	99
5) Vinyl Chloride	3.21	62	707527	10.259	ppbv	98
6) Bromomethane	3.44	94	417217	11.630	ppbv	100
7) Chloroethane	3.52	64	272383	10.620	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1718038	10.218	ppbv	99
9) Propene	2.96	41	485447	10.565	ppbv	98
10) Heptane	8.13	43	1234785	10.678	ppbv	98
11) Trichlorofluoromethane	3.92	101	1952651	9.993	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1320664	10.358	ppbv	99
13) Ethanol	3.57	45	154216	12.530	ppbv	99
14) Bromoethene	3.70	108	541727	10.832	ppbv	98
15) Acetone	3.82	43	1614482	11.248	ppbv	97
16) 1,3-Butadiene	3.29	39	639685	11.223	ppbv	99
17) tert-Butyl alcohol	4.27	59	1449458	13.731	ppbv	100
18) 1,1-Dichloroethene	4.26	96	596617	11.085	ppbv	96
19) Isopropyl Alcohol	3.94	45	1120756	13.380	ppbv	100
20) Methylene Chloride	4.32	84	524418	9.595	ppbv	95
21) Allyl Chloride	4.38	41	948310	10.638	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	575823	10.216	ppbv	93
23) Vinyl Acetate	5.05	43	2018913	12.328	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1453098	10.628	ppbv	99
25) Ethyl Acetate	5.66	43	2305008	9.919	ppbv	99
26) Hexane	5.67	57	1034434	10.628	ppbv	94
27) Carbon Disulfide	4.52	76	1467419	11.173	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1882102	11.338	ppbv	100
29) Chloroform	5.74	83	1754490	10.194	ppbv	97
30) Cyclohexane	7.13	84	815129	11.301	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1114746	11.023	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1864374	10.089	ppbv	99
34) 2-Butanone	5.23	43	1528744	10.446	ppbv	99
35) Carbon Tetrachloride	7.02	117	1959720	10.170	ppbv	95
36) Benzene	6.89	78	1952964	10.896	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1533163	10.252	ppbv	100
38) Trichloroethene	7.84	130	812967	10.760	ppbv	98
39) 1,2-Dichloropropane	7.62	63	786273	10.582	ppbv	98
40) 1,4-Dioxane	7.84	88	331140	11.593	ppbv	83
41) Tetrahydrofuran	6.03	42	808841	10.594	ppbv	98
42) Bromodichloromethane	7.80	83	1939804	10.539	ppbv	99
43) Methyl Methacrylate	8.02	69	825316	11.448	ppbv	95

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Quant Time: Feb 20 06:50:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3433959	10.559	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1084854	11.492	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1230625	11.470	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	861592	10.706	ppbv	96
48) Dibromochloromethane	10.33	129	1624375	11.015	ppbv	100
49) Bromoform	13.07	173	1456265	11.247	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2217557	10.625	ppbv	99
51) 2-Hexanone	10.15	43	1789861	10.895	ppbv #	98
52) Tetrachloroethene	11.24	164	753323	10.462	ppbv	97
53) Toluene	9.82	91	2256923	11.462	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1350931	11.202	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1113140	10.800	ppbv	98
57) Chlorobenzene	12.17	112	1780868	10.367	ppbv	99
58) Ethyl Benzene	12.74	91	3126313	11.191	ppbv	98
59) m/p-Xylene	13.02	91	3177480	12.867	ppbv #	32
60) o-Xylene	13.72	91	2677763	10.797	ppbv	100
61) Styrene	13.56	104	1856680	11.228	ppbv	99
62) Isopropylbenzene	14.70	105	3495130	10.875	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1955687	10.196	ppbv	100
64) n-propylbenzene	15.60	120	926734	11.208	ppbv	99
65) tert-Butylbenzene	16.78	119	3270119	11.231	ppbv	100
66) Benzyl Chloride	17.03	91	1566724	12.833	ppbv	100
67) sec-Butylbenzene	17.33	105	4409113	11.019	ppbv	99
69) p-Isopropyltoluene	17.69	119	3678059	11.320	ppbv	100
70) n-Butylbenzene	18.59	91	3897100	11.300	ppbv	99
71) 2-Chlorotoluene	15.49	91	2757802	11.305	ppbv	100
72) 4-Ethyltoluene	15.87	105	3014750	11.066	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2941884	11.051	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3113313	10.565	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1731149	10.202	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1701004	10.171	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1683930	10.331	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1468820	9.423	ppbv	99
79) Naphthalene	22.25	128	2516411	10.846	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	514551	5.765	ppbv #	94
81) 1,2,4-Trichlorobenzene	21.98	180	1462636	10.226	ppbv	98

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

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Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

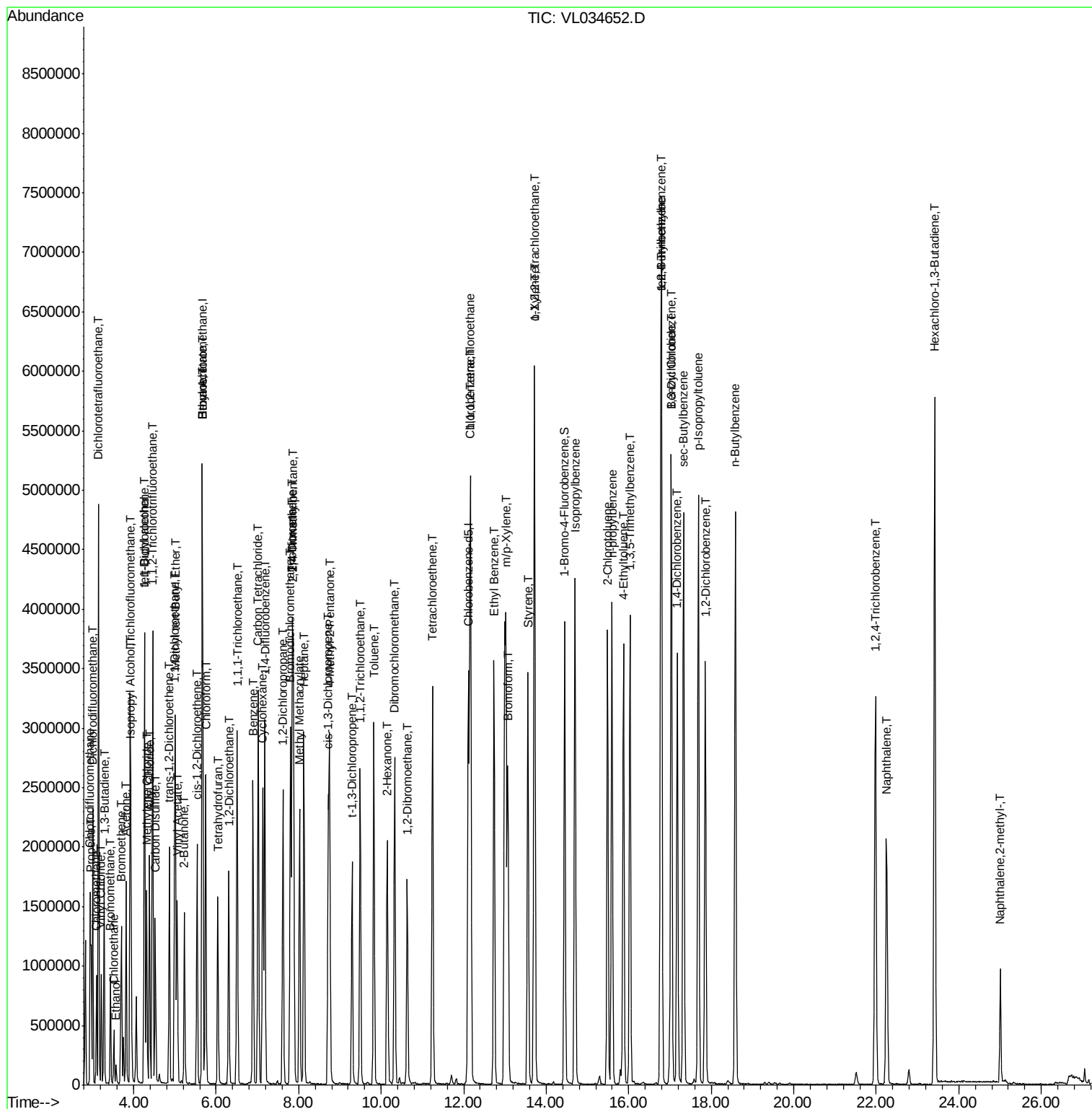
Quant Time: Feb 20 06:50:17 2020

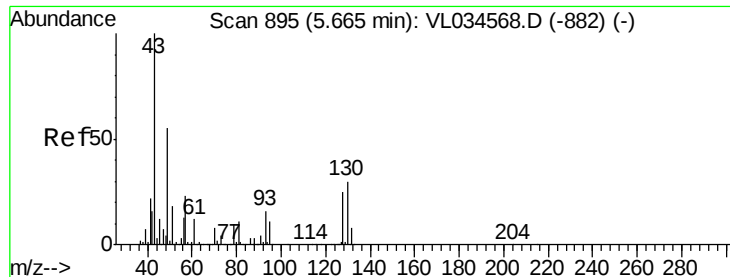
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VL0219ABS01

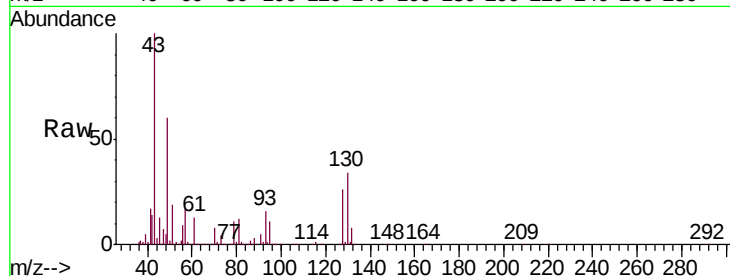
Tgt Ion: 49 Resp: 976641

Ion Ratio Lower Upper

49 100

128 45.8 22.7 68.1

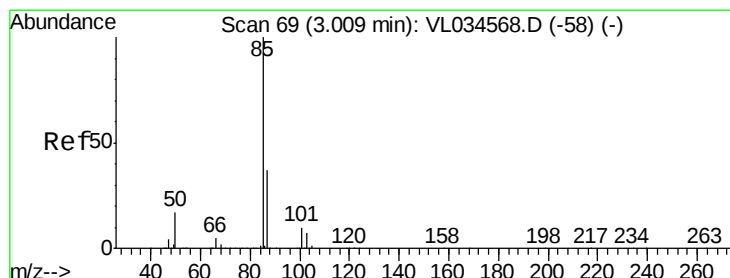
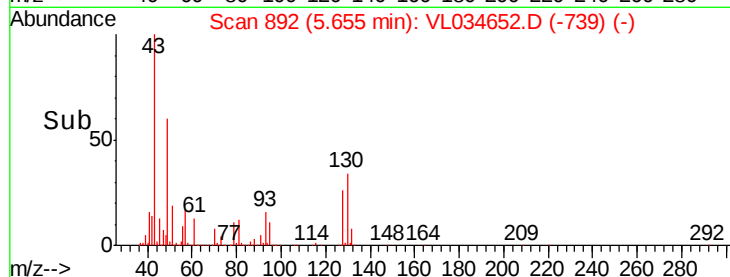
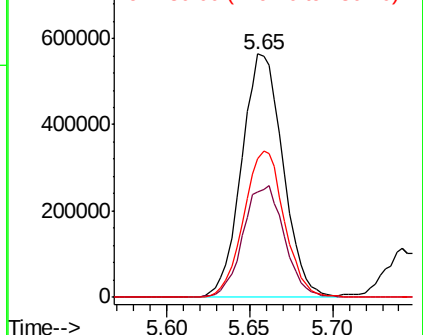
130 59.2 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.066 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL034652.D

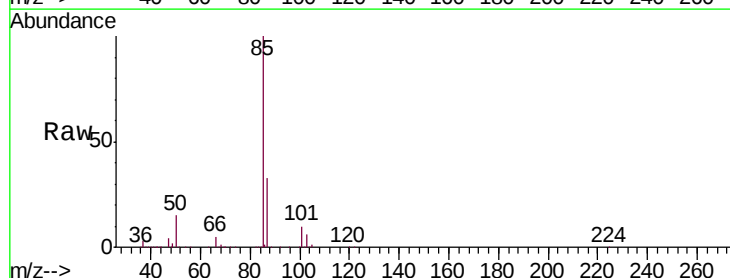
Acq: 19 Feb 2020 18:58

Tgt Ion: 85 Resp: 1519886

Ion Ratio Lower Upper

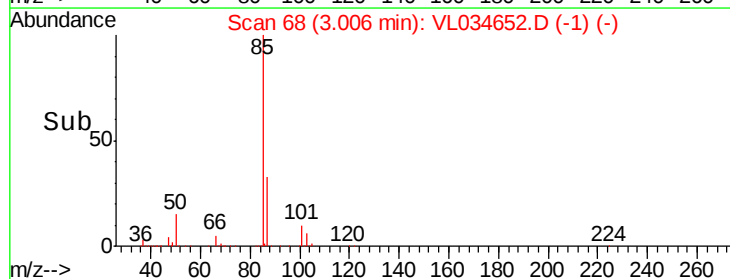
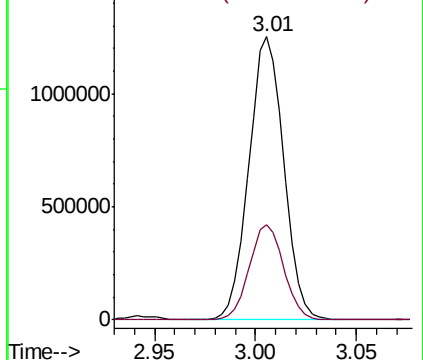
85 100

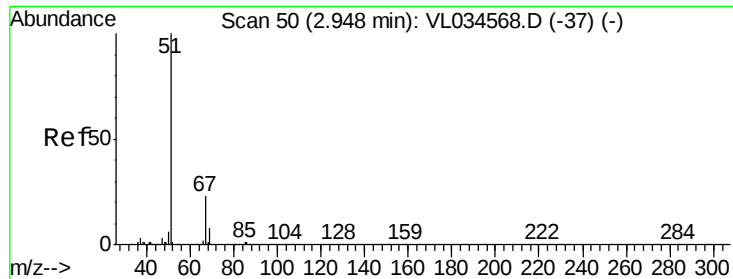
87 33.4 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.024 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.00 min

Lab File: VL034652.D

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Instrument :

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ClientSampleId :

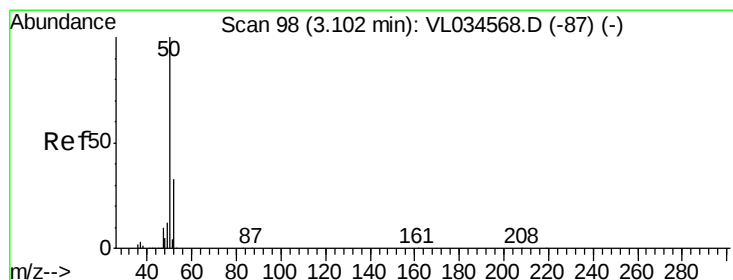
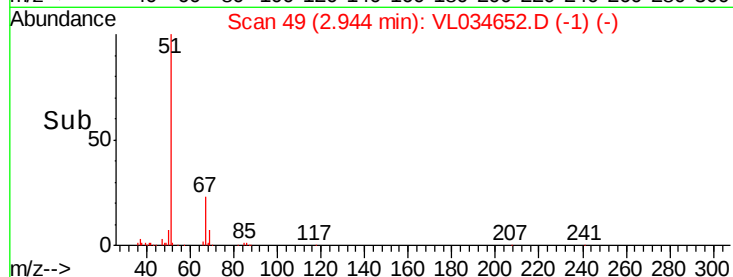
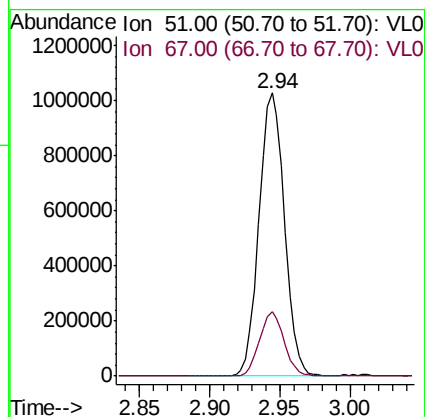
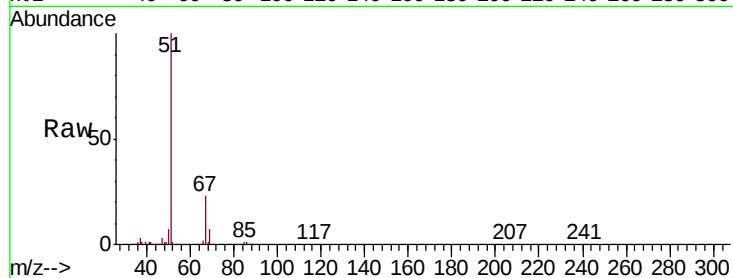
VL0219ABS01

Tgt Ion: 51 Resp: 1300999

Ion Ratio Lower Upper

51 100

67 22.1 17.8 26.8



#4

Chloromethane

Concen: 9.957 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.00 min

Lab File: VL034652.D

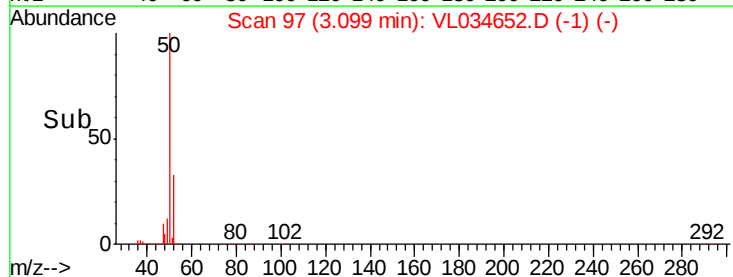
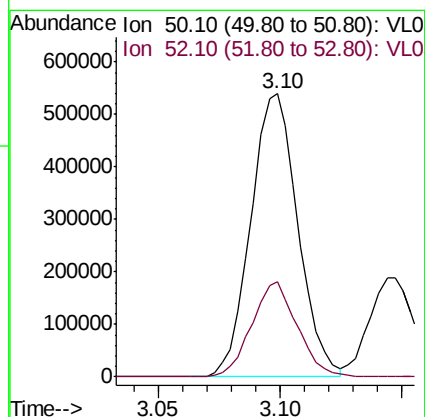
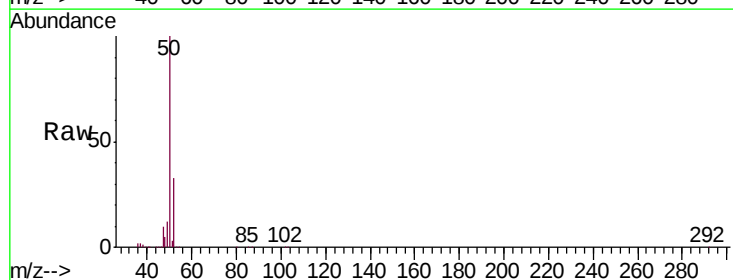
Acq: 19 Feb 2020 18:58

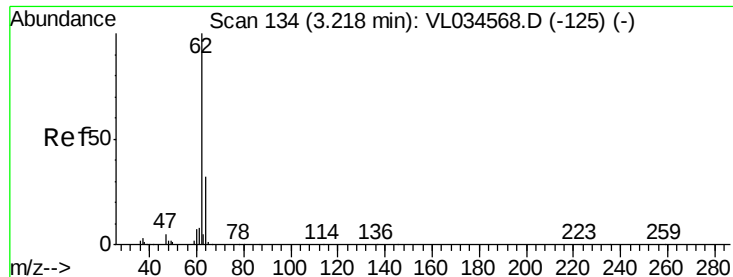
Tgt Ion: 50 Resp: 718952

Ion Ratio Lower Upper

50 100

52 33.5 26.6 39.8





#5

Vinyl Chloride

Concen: 10.259 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

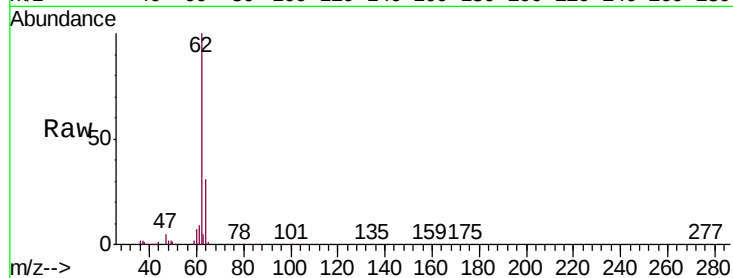
VL0219ABS01

Tgt Ion: 62 Resp: 707527

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

600000

500000

400000

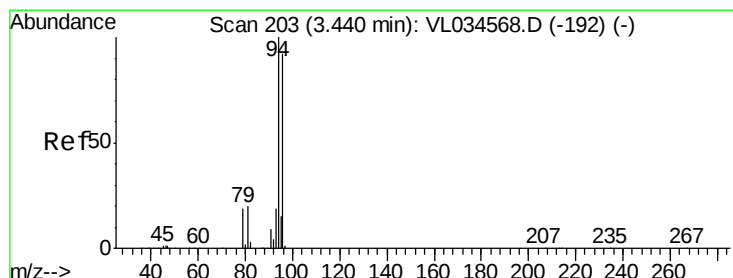
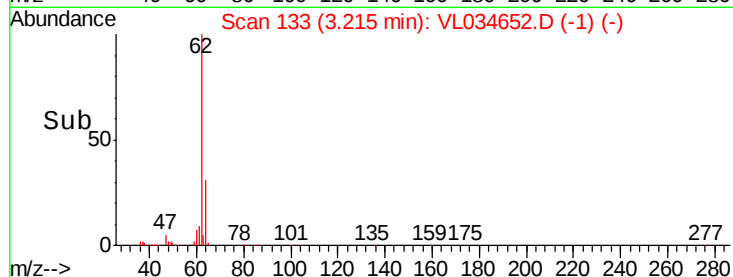
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 11.630 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034652.D

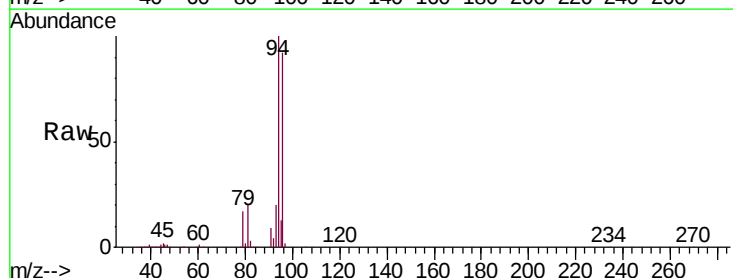
Acq: 19 Feb 2020 18:58

Tgt Ion: 94 Resp: 417217

Ion Ratio Lower Upper

94 100

96 91.9 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

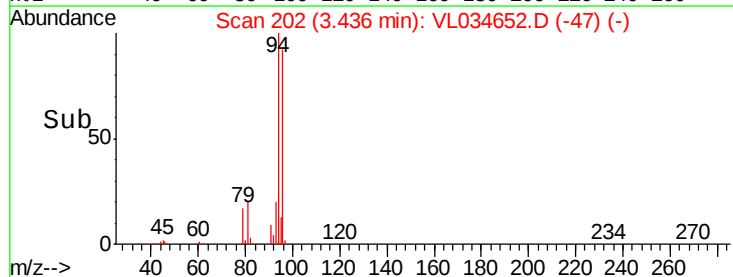
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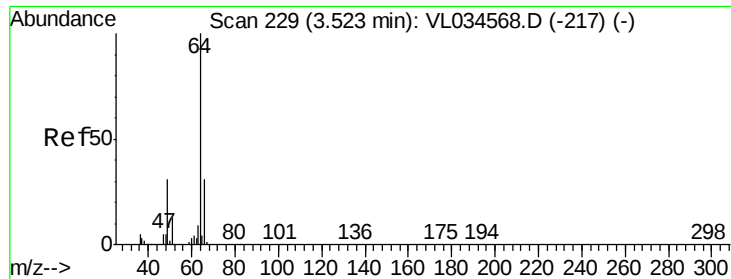
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.620 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

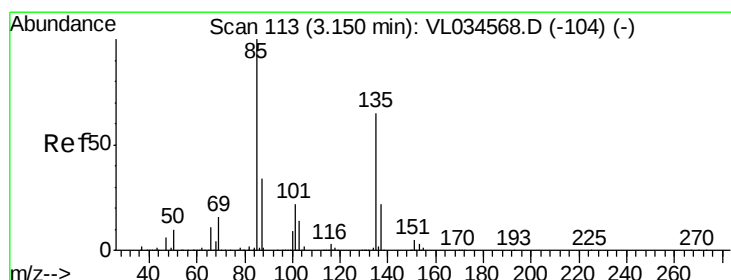
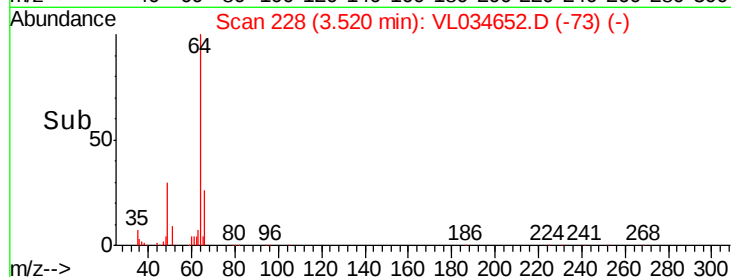
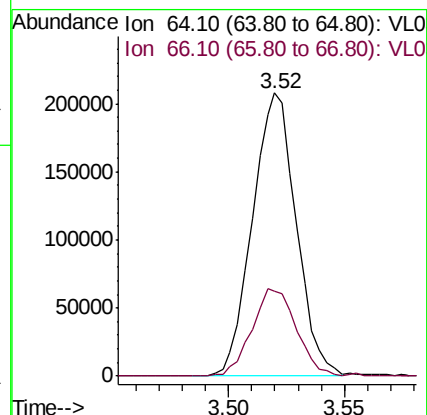
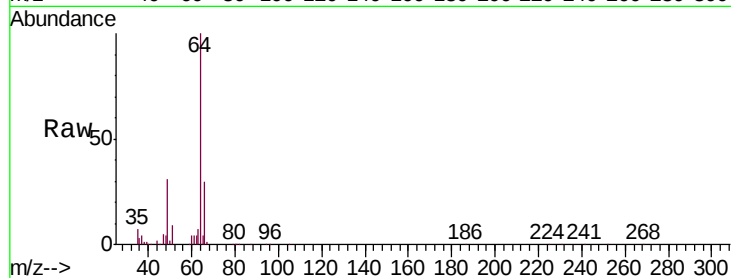
VL0219ABS01

Tgt Ion: 64 Resp: 272383

Ion Ratio Lower Upper

64 100

66 29.9 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 10.218 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL034652.D

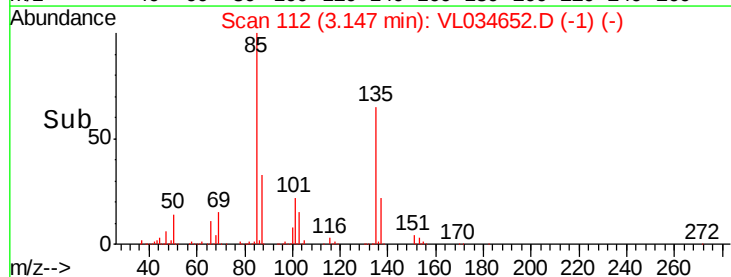
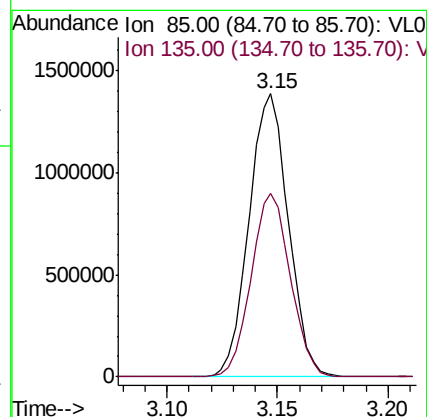
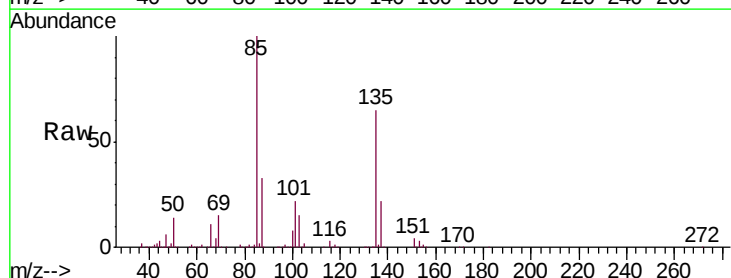
Acq: 19 Feb 2020 18:58

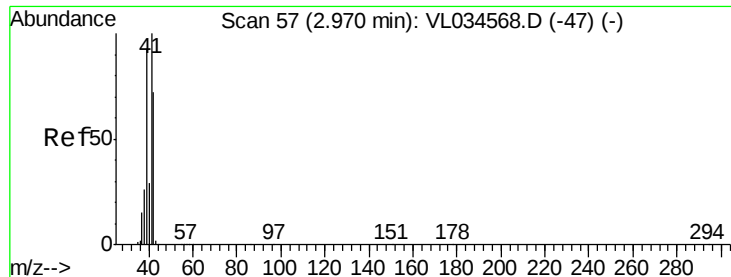
Tgt Ion: 85 Resp: 1718038

Ion Ratio Lower Upper

85 100

135 64.8 52.2 78.2





#9

Propene

Concen: 10.565 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL034652.D

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Instrument :

MSVOA_L

ClientSampleId :

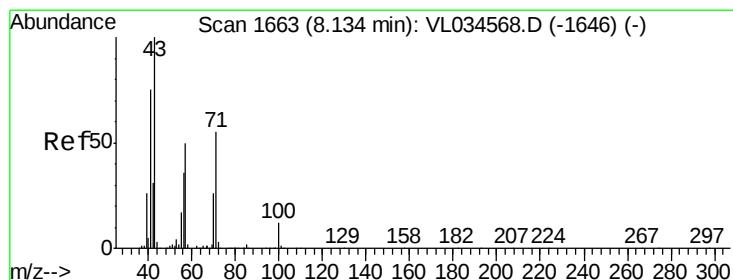
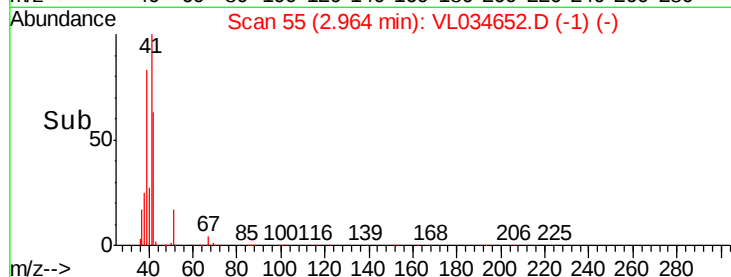
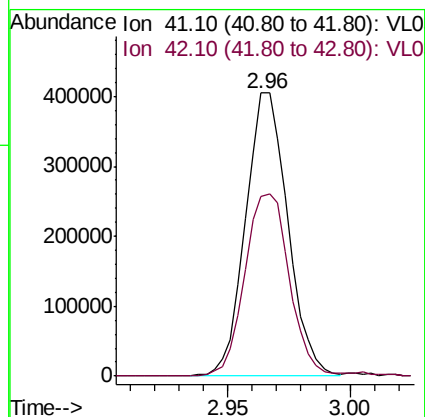
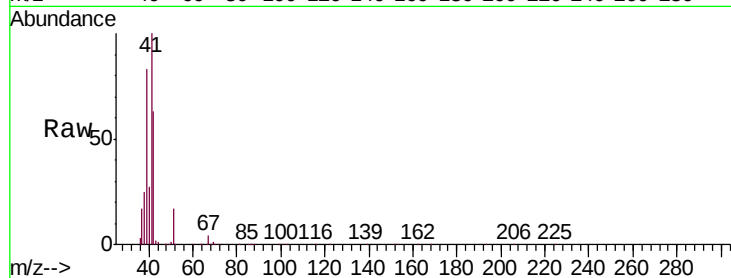
VL0219ABS01

Tgt Ion: 41 Resp: 485447

Ion Ratio Lower Upper

41 100

42 69.2 57.0 85.4



#10

Heptane

Concen: 10.678 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL034652.D

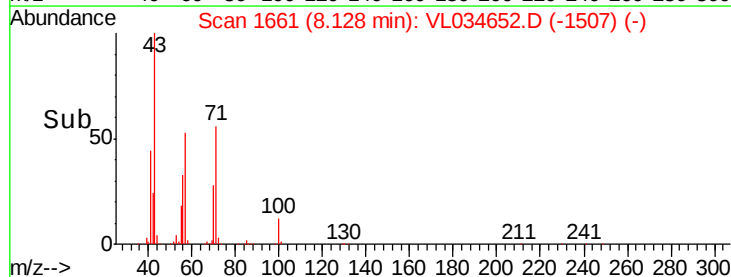
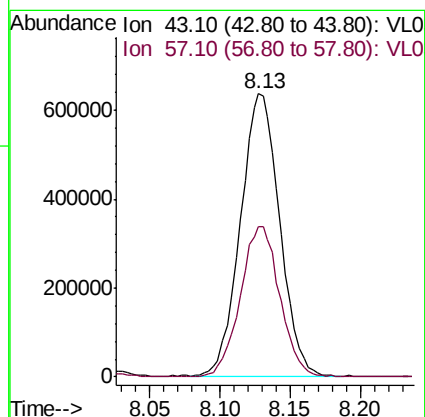
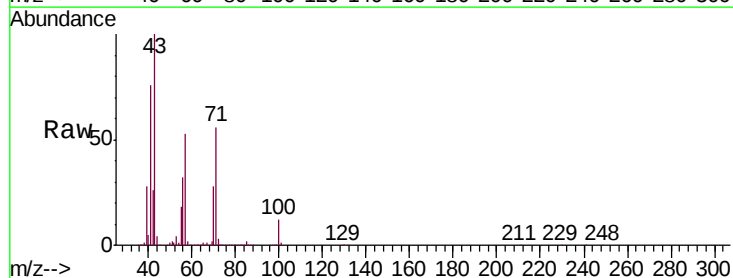
Acq: 19 Feb 2020 18:58

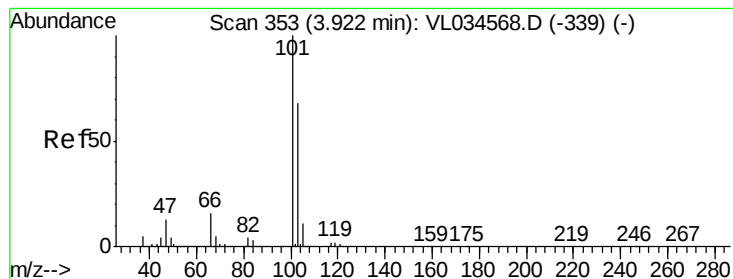
Tgt Ion: 43 Resp: 1234785

Ion Ratio Lower Upper

43 100

57 53.2 41.2 61.8





#11

Trichlorofluoromethane

Concen: 9.993 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.00 min

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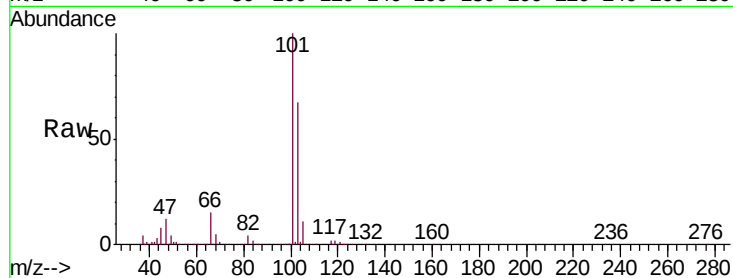
VL0219ABS01

Tgt Ion:101 Resp: 1952651

Ion Ratio Lower Upper

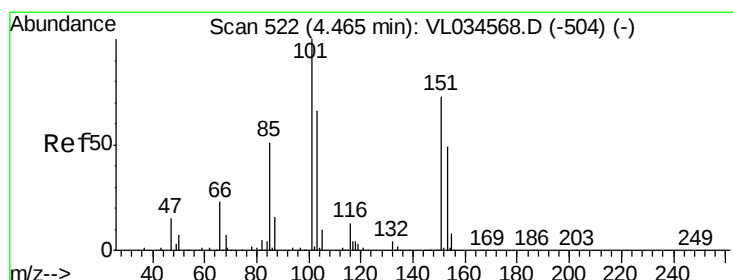
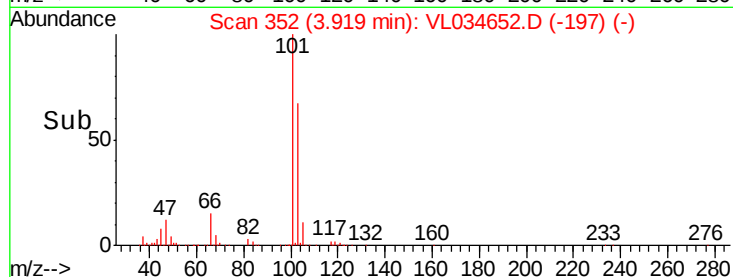
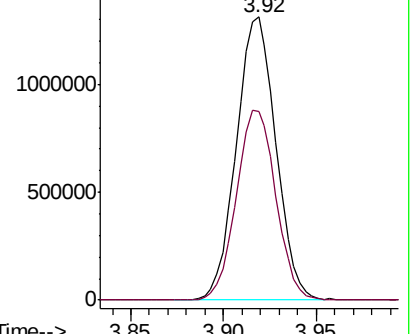
101 100

103 66.7 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

1500000 Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.358 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.01 min

Lab File: VL034652.D

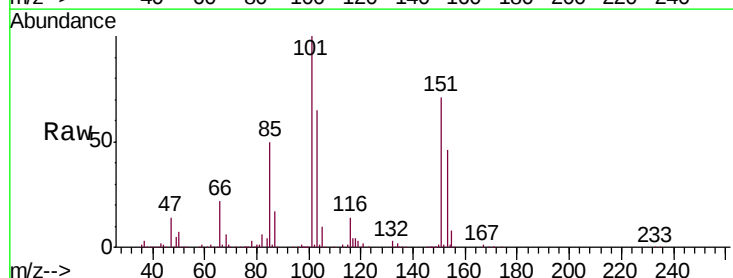
Acq: 19 Feb 2020 18:58

Tgt Ion:101 Resp: 1320664

Ion Ratio Lower Upper

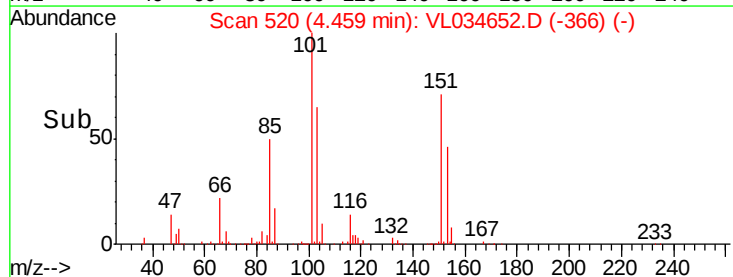
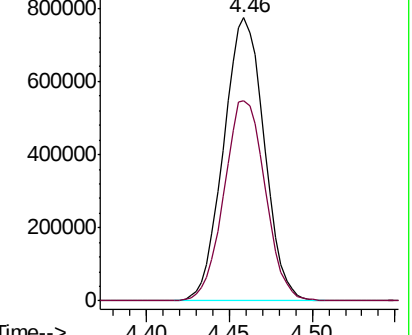
101 100

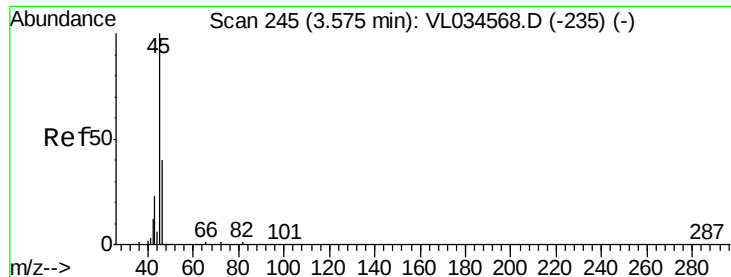
151 71.9 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

800000 Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 12.530 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

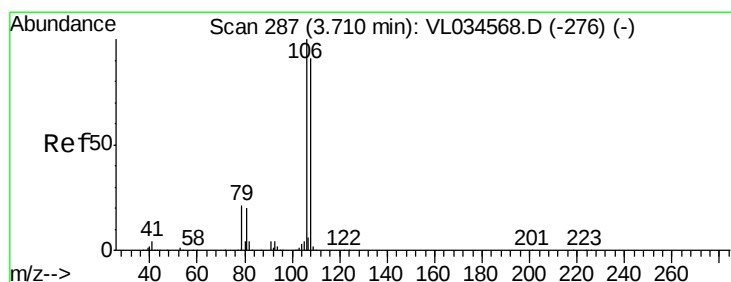
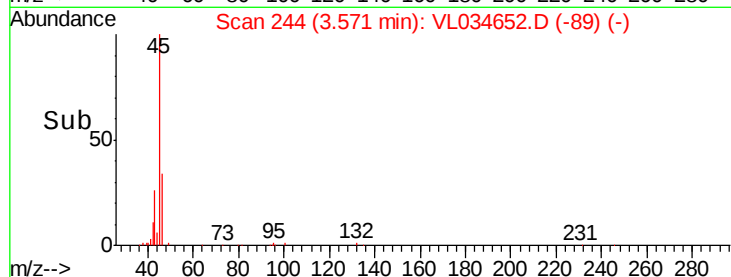
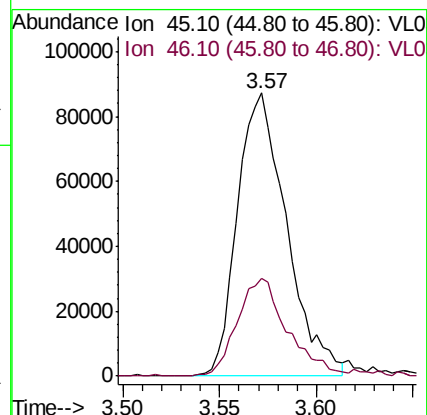
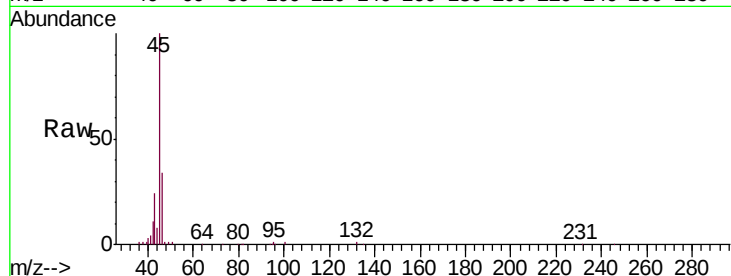
VL0219ABS01

Tgt Ion: 45 Resp: 154216

Ion Ratio Lower Upper

45 100

46 36.6 14.8 59.2



#14

Bromoethene

Concen: 10.832 ppbv

RT: 3.70 min Scan# 285

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

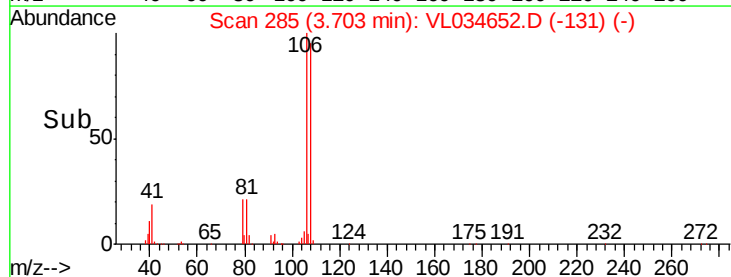
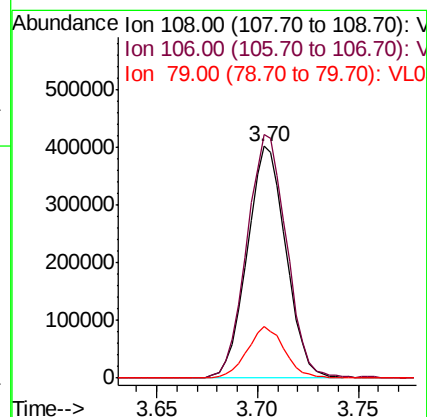
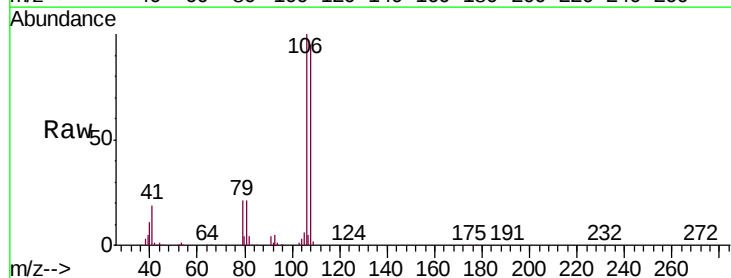
Tgt Ion: 108 Resp: 541727

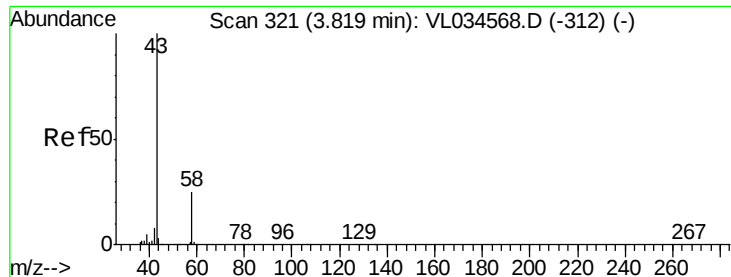
Ion Ratio Lower Upper

108 100

106 108.3 84.6 127.0

79 21.5 18.2 27.2





#15

Acetone

Concen: 11.248 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

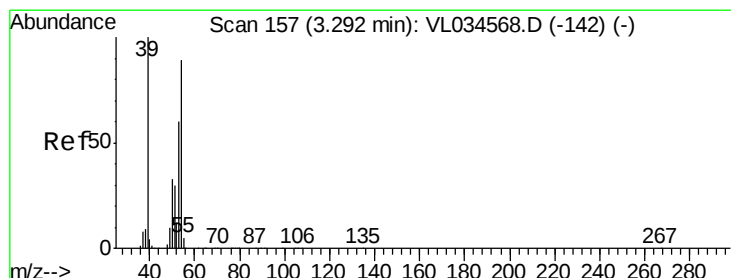
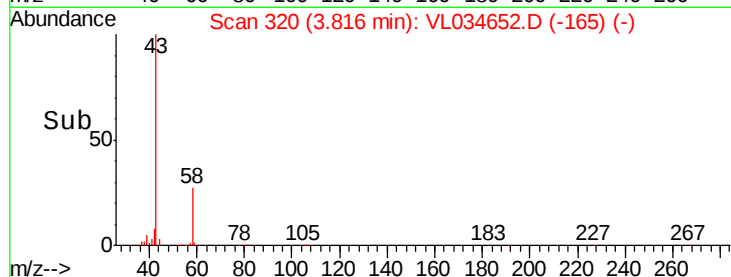
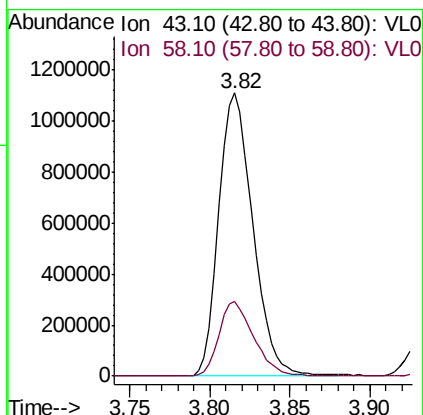
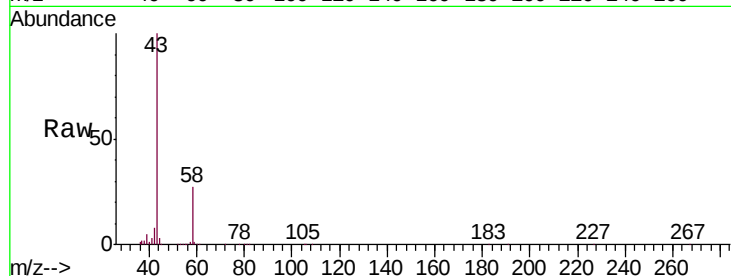
VL0219ABS01

Tgt Ion: 43 Resp: 1614482

Ion Ratio Lower Upper

43 100

58 27.1 20.3 30.5



#16

1,3-Butadiene

Concen: 11.223 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.01 min

Lab File: VL034652.D

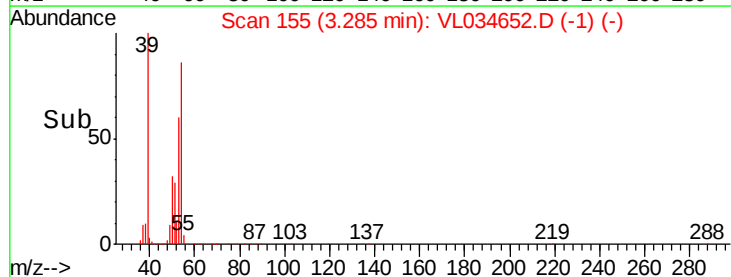
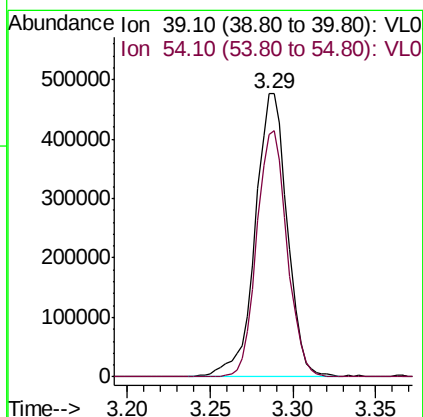
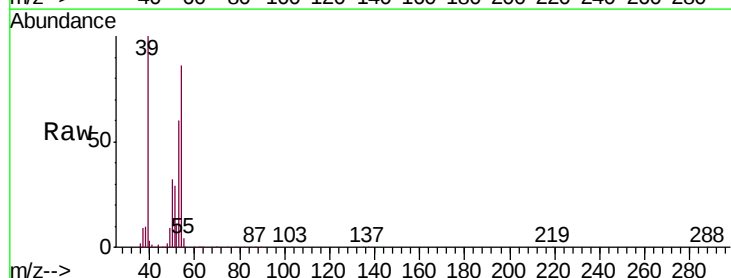
Acq: 19 Feb 2020 18:58

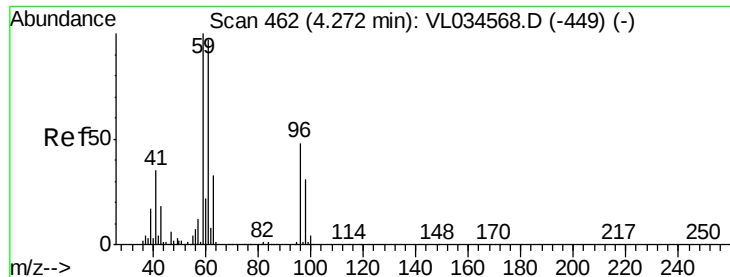
Tgt Ion: 39 Resp: 639685

Ion Ratio Lower Upper

39 100

54 82.5 66.7 100.1





#17

tert-Butyl alcohol

Concen: 13.731 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

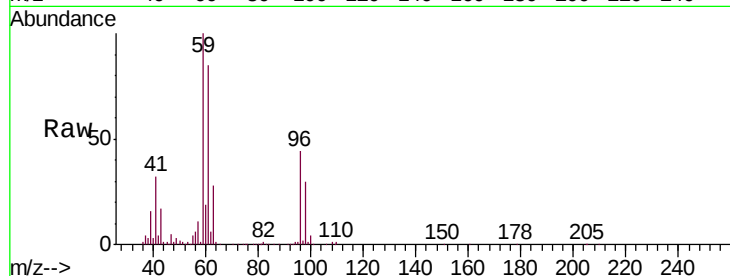
VL0219ABS01

Tgt Ion: 59 Resp: 1449458

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

800000

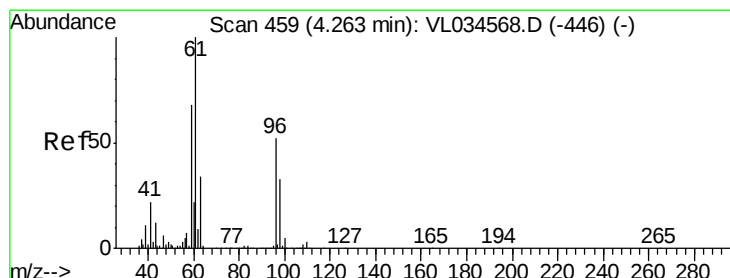
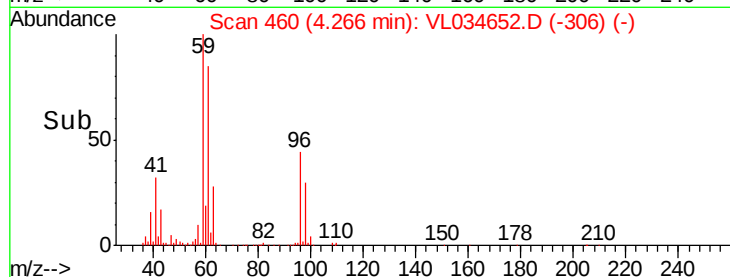
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 11.085 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

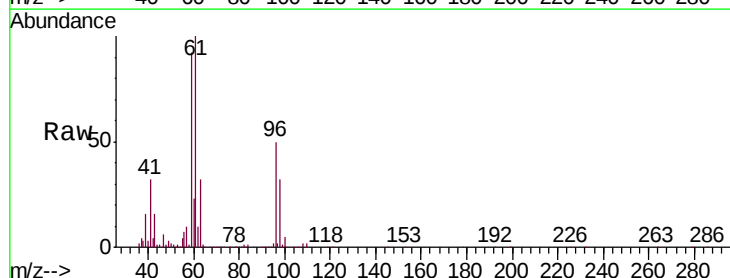
Tgt Ion: 96 Resp: 596617

Ion Ratio Lower Upper

96 100

61 200.7 154.5 231.7

98 63.4 50.3 75.5



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

1000000

800000

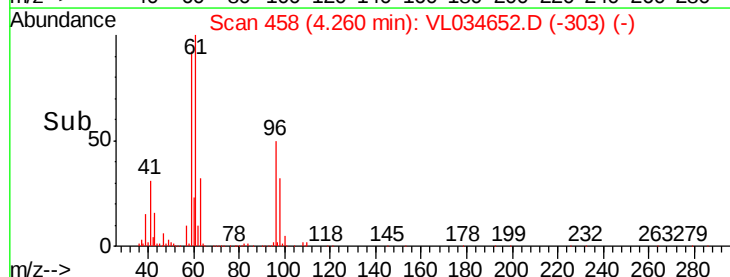
600000

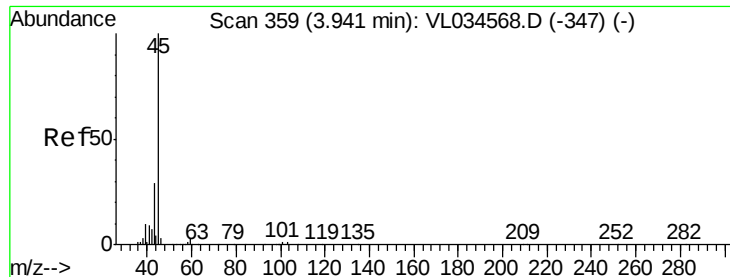
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 13.380 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

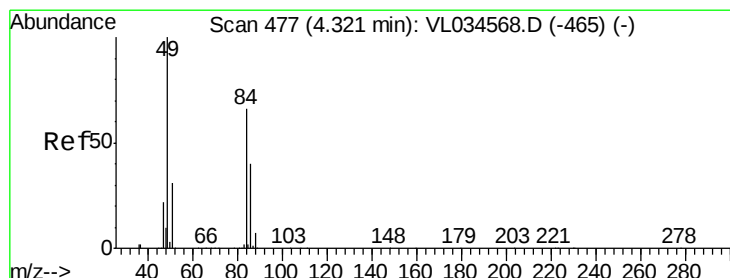
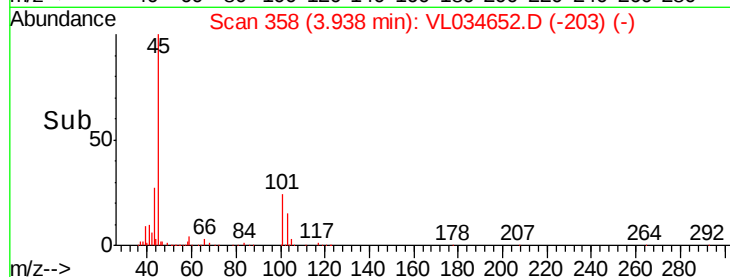
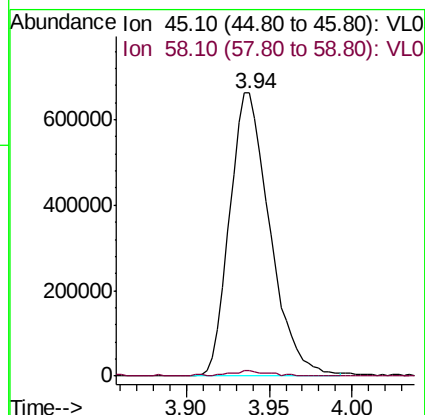
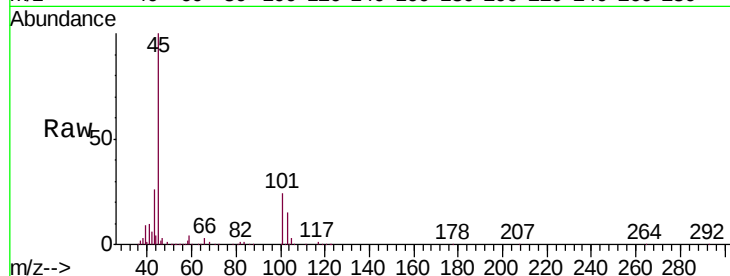
VL0219ABS01

Tgt Ion: 45 Resp: 1120756

Ion Ratio Lower Upper

45 100

58 2.0 1.7 2.5



#20

Methylene Chloride

Concen: 9.595 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Tgt Ion: 84 Resp: 524418

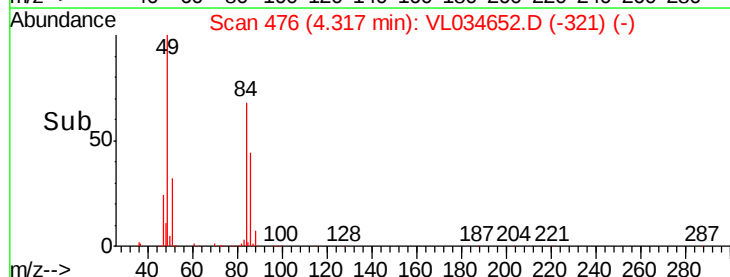
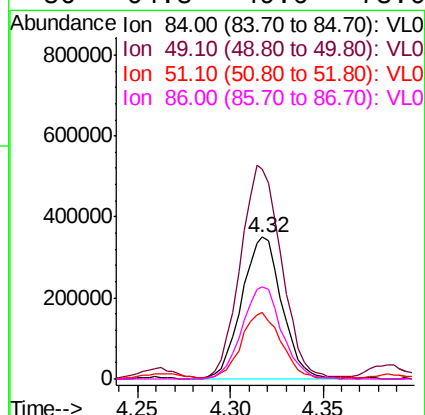
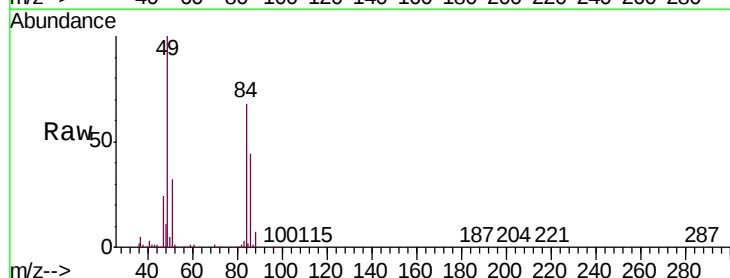
Ion Ratio Lower Upper

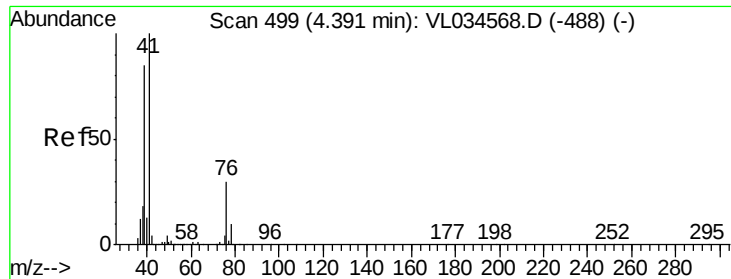
84 100

49 146.2 122.4 183.6

51 46.1 38.6 57.8

86 64.8 49.0 73.6

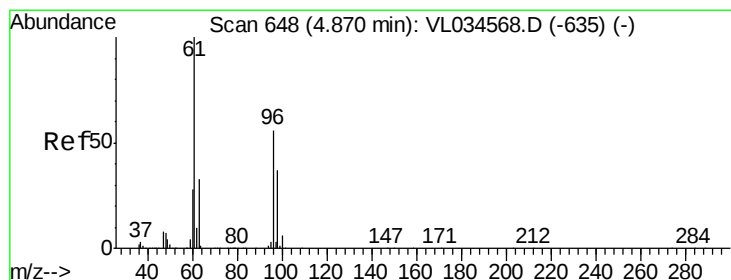
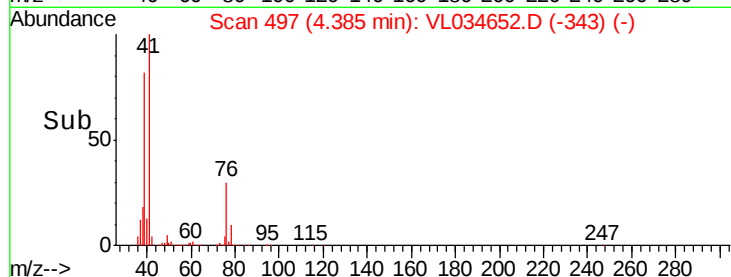
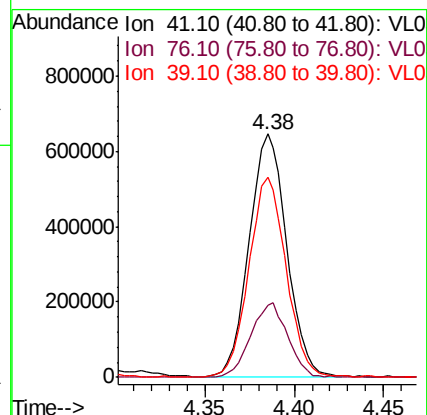
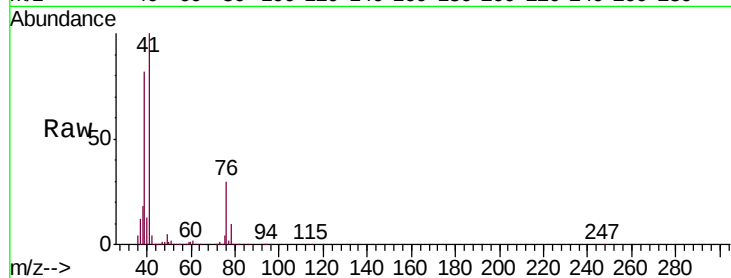




#21
 Allyl Chloride
 Concen: 10.638 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

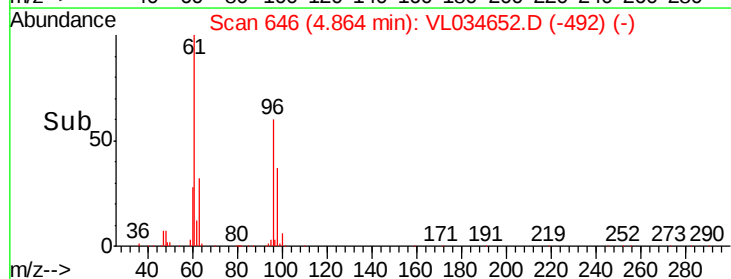
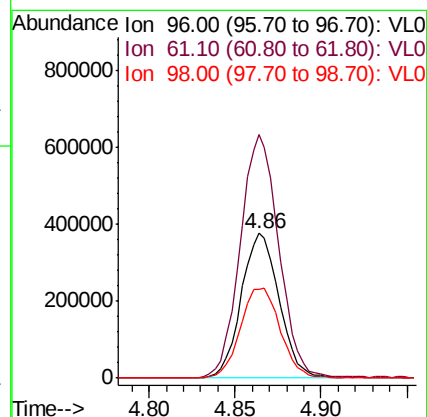
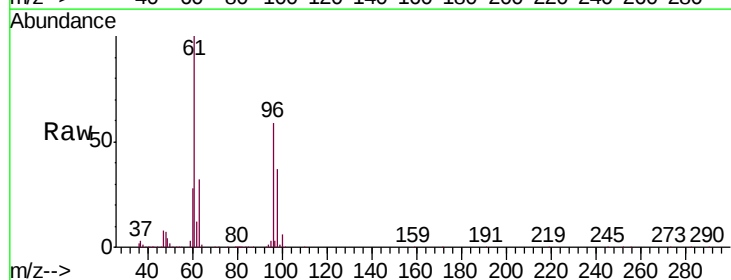
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

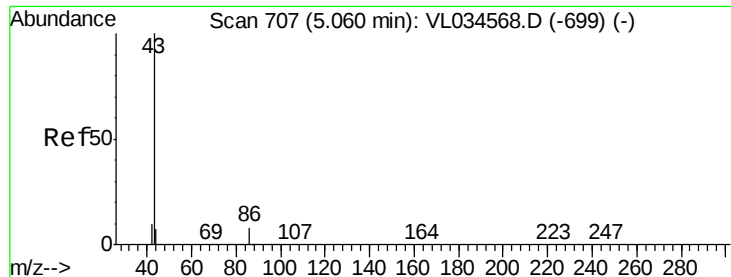
Tgt Ion: 41 Resp: 948310
 Ion Ratio Lower Upper
 41 100
 76 30.3 24.2 36.2
 39 82.4 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.216 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Tgt Ion: 96 Resp: 575823
 Ion Ratio Lower Upper
 96 100
 61 168.0 141.9 212.9
 98 61.4 53.1 79.7





#23

Vinyl Acetate

Concen: 12.328 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tgt Ion: 43 Resp: 2018913

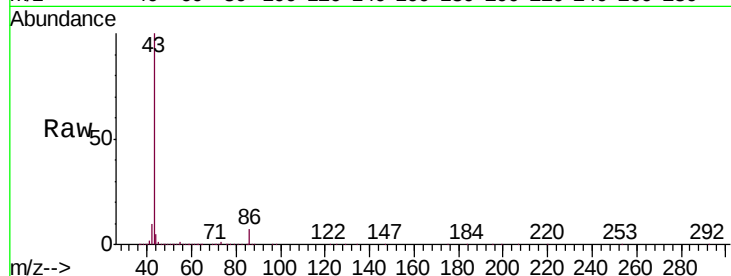
Ion Ratio Lower Upper

43 100

86 7.3 5.9 8.9

42 10.2 8.8 13.2

44 5.1 5.0 7.6

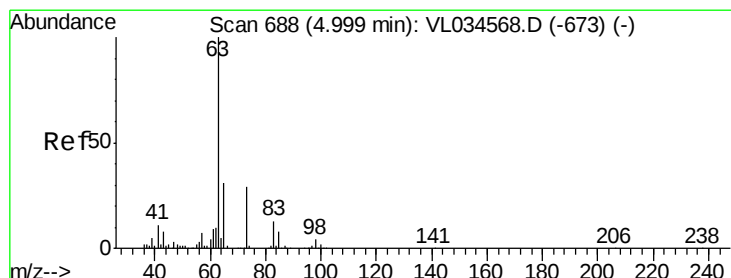
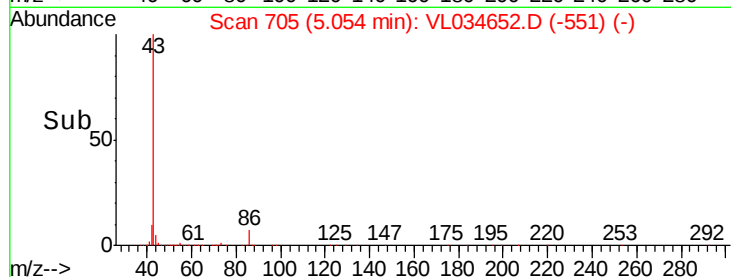
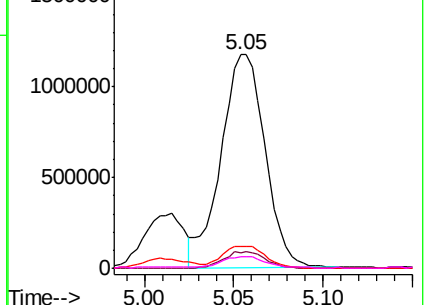


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.628 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

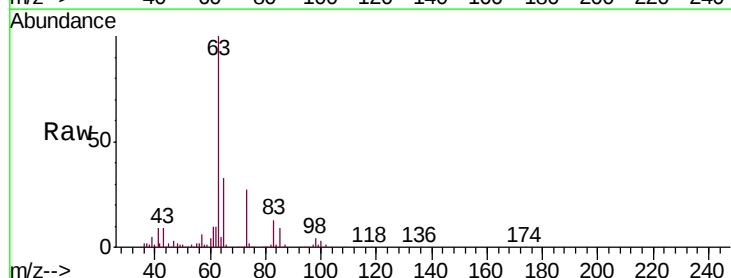
Tgt Ion: 63 Resp: 1453098

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.2

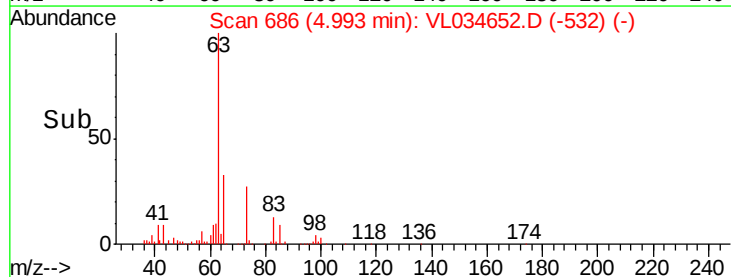
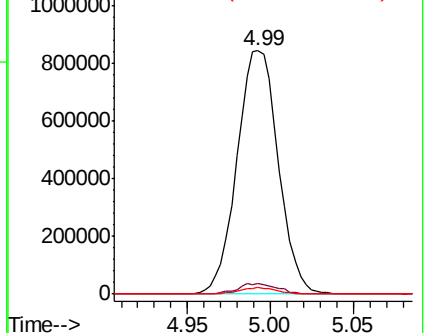
100 2.8 1.1 3.5

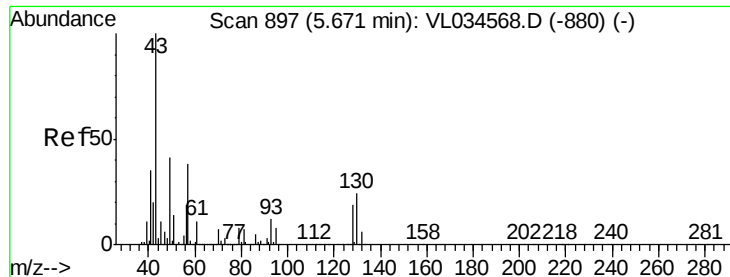


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



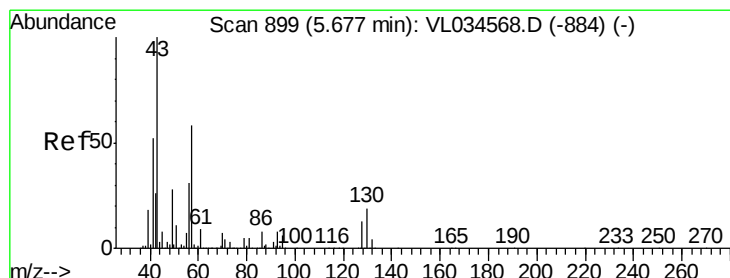
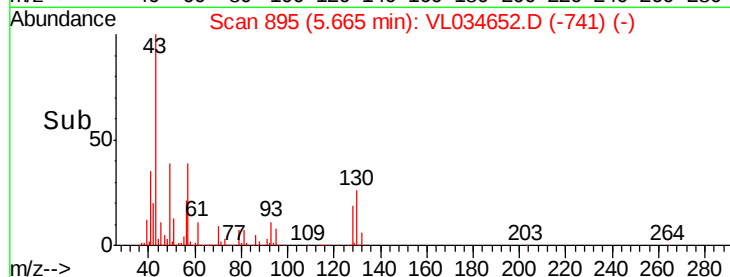
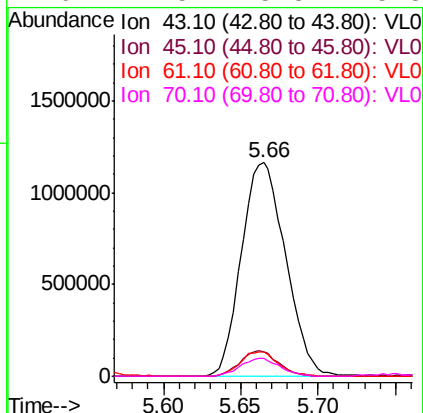
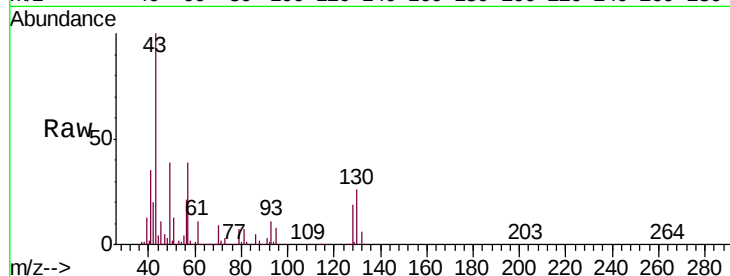


#25
Ethyl Acetate
Concen: 9.919 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

Tgt Ion: 43 Resp: 2305008

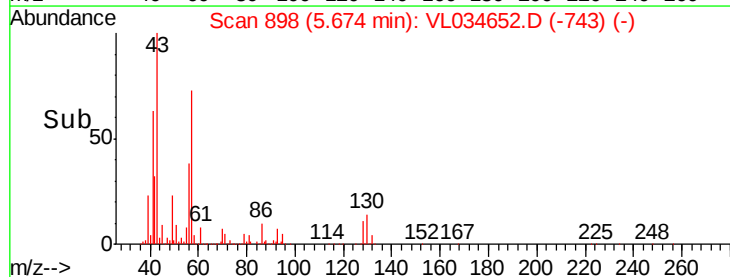
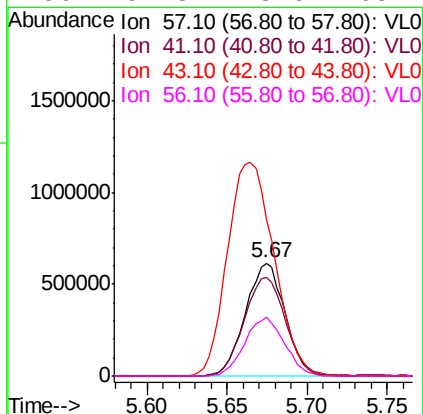
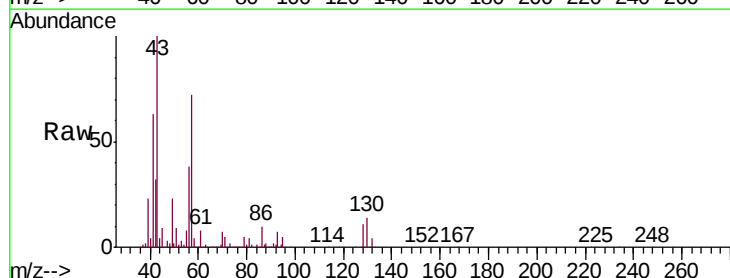
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	10.0	7.8	11.6
70	7.5	5.8	8.8

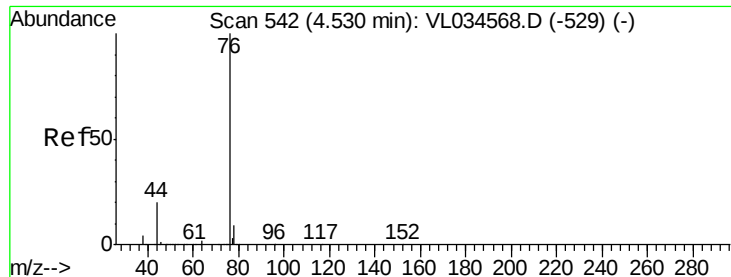


#26
Hexane
Concen: 10.628 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

Tgt Ion: 57 Resp: 1034434

Ion	Ratio	Lower	Upper
57	100		
41	92.3	76.2	114.2
43	223.7	189.9	284.9
56	52.3	43.6	65.4





#27

Carbon Disulfide

Concen: 11.173 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

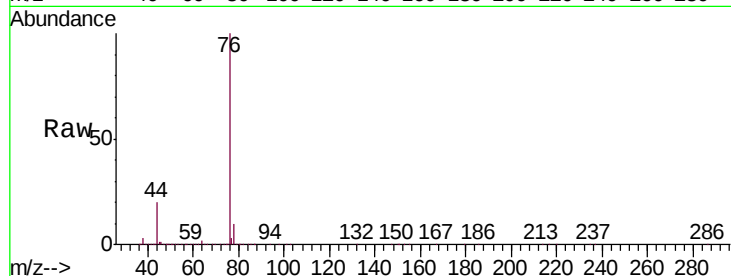
Tgt Ion: 76 Resp: 1467419

Ion Ratio Lower Upper

76 100

44 20.2 16.3 24.5

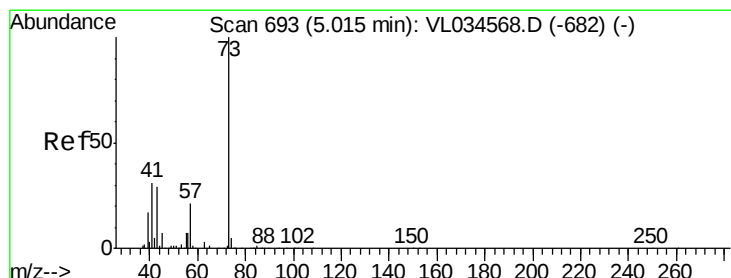
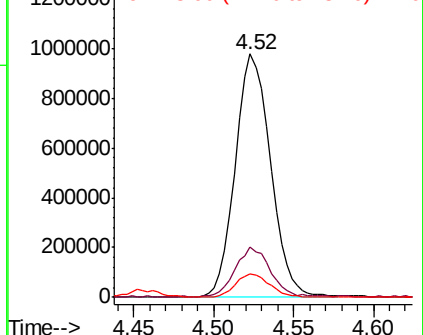
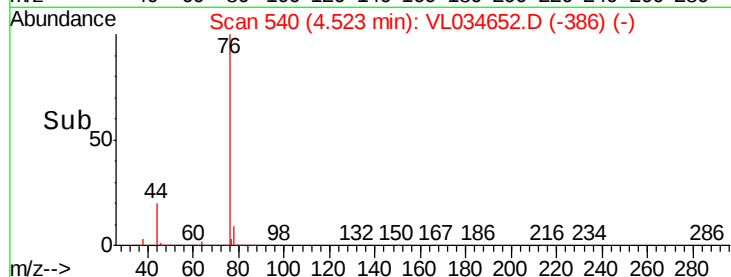
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.338 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034652.D

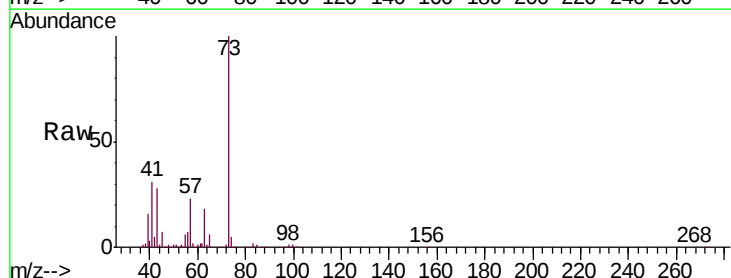
Acq: 19 Feb 2020 18:58

Tgt Ion: 73 Resp: 1882102

Ion Ratio Lower Upper

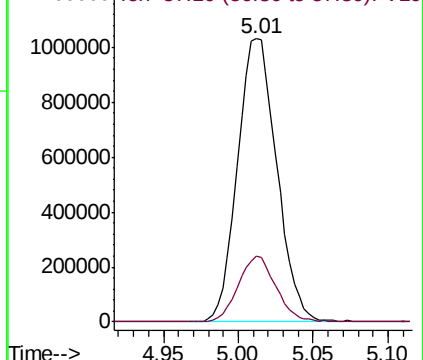
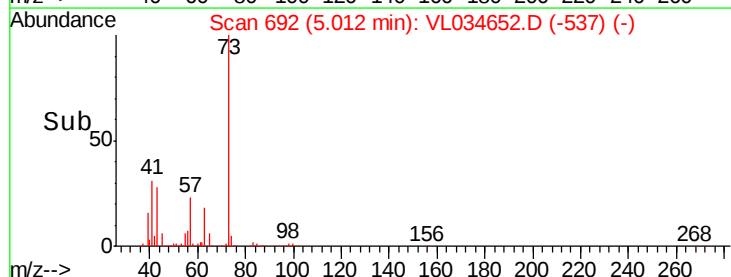
73 100

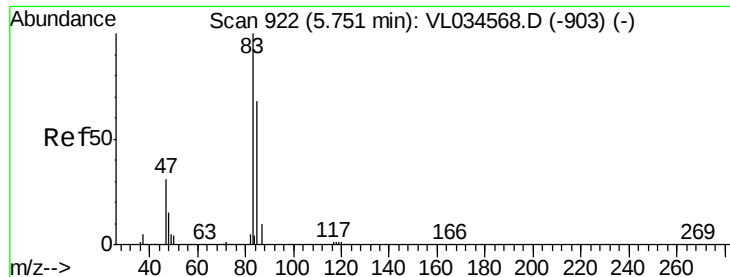
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

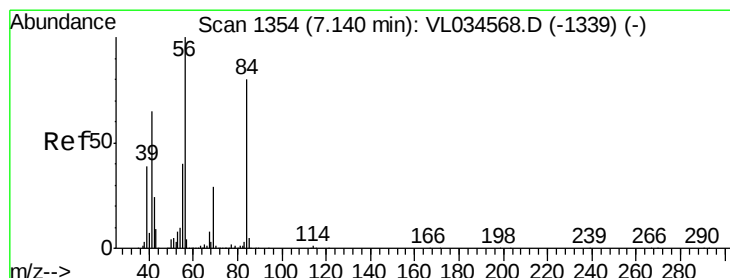
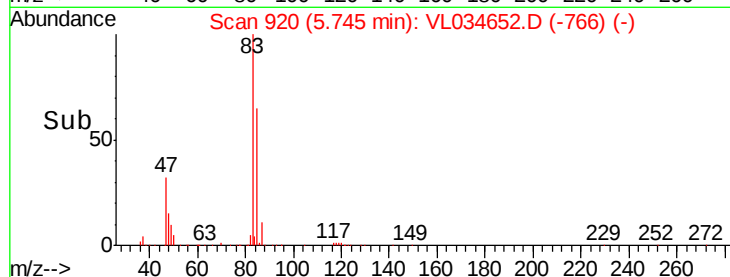
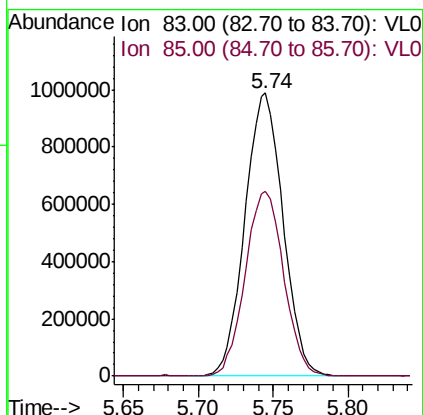
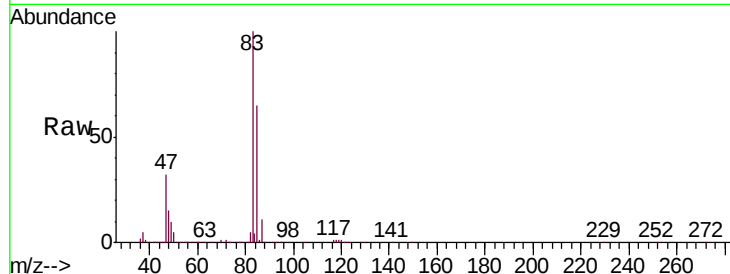




#29
Chloroform
Concen: 10.194 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

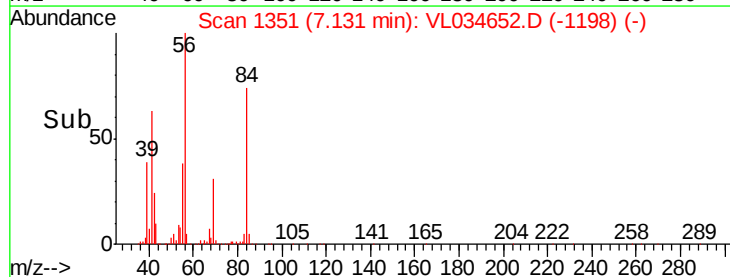
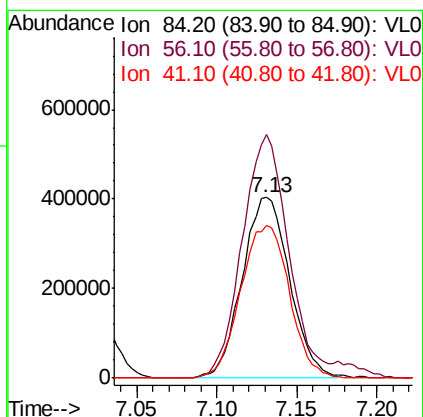
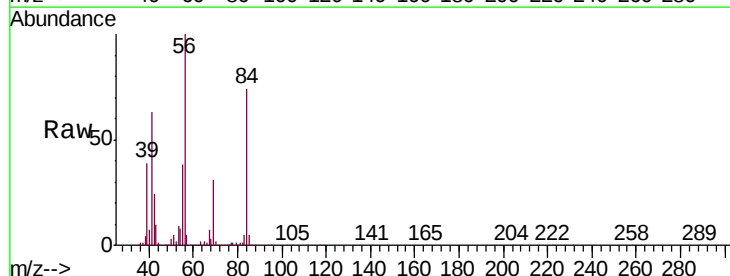
Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

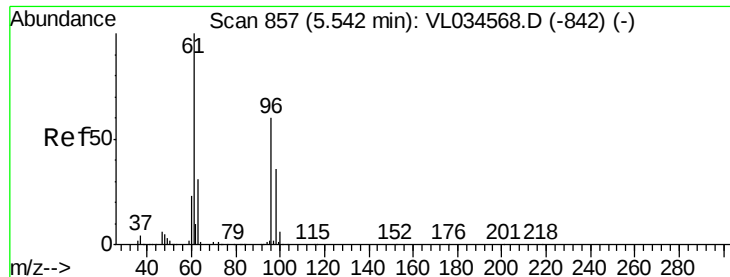
Tgt Ion: 83 Resp: 1754490
Ion Ratio Lower Upper
83 100
85 65.2 54.0 81.0



#30
Cyclohexane
Concen: 11.301 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

Tgt Ion: 84 Resp: 815129
Ion Ratio Lower Upper
84 100
56 137.8 110.5 165.7
41 87.2 71.9 107.9



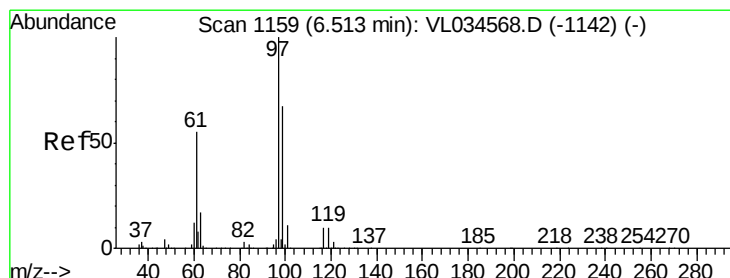
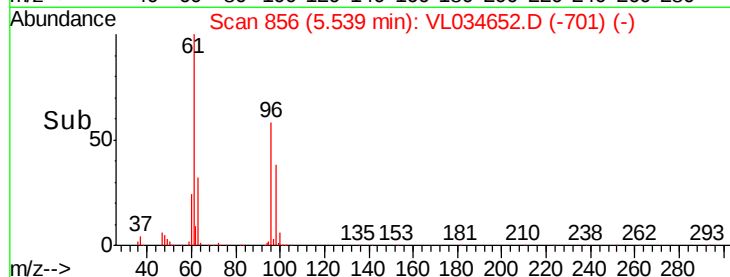
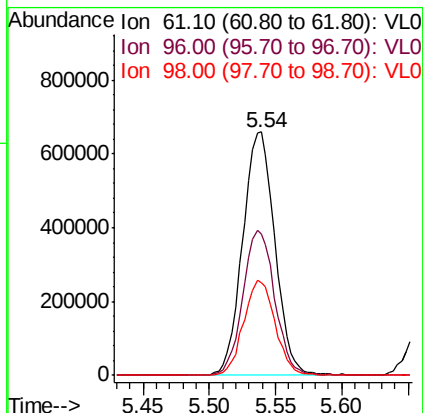
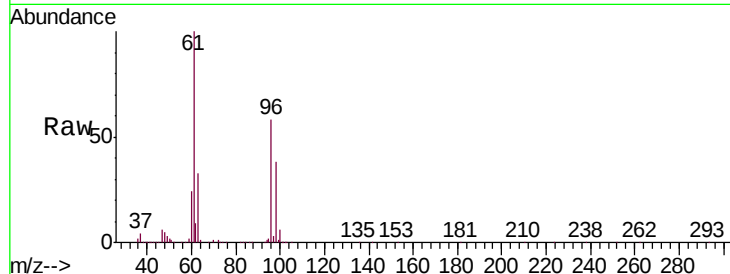


#31

cis-1,2-Dichloroethene
 Concen: 11.023 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

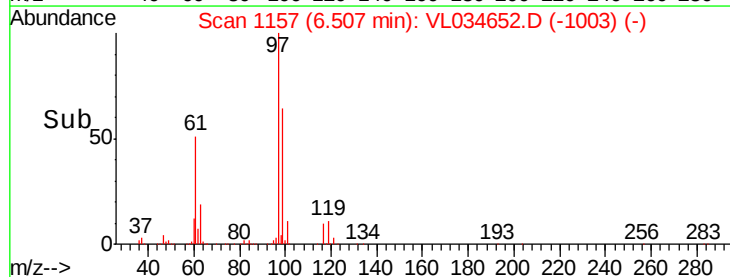
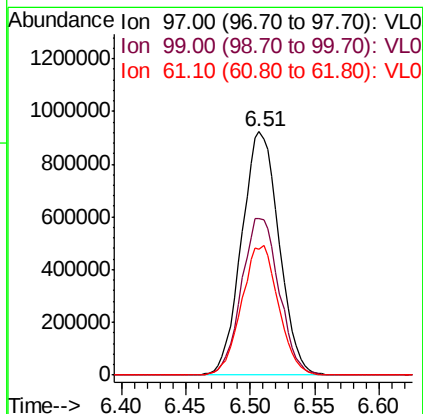
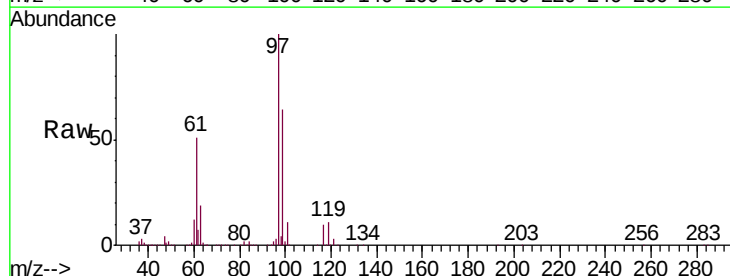
Tgt Ion: 61 Resp: 1114746
 Ion Ratio Lower Upper
 61 100
 96 58.2 48.0 72.0
 98 38.1 28.6 43.0

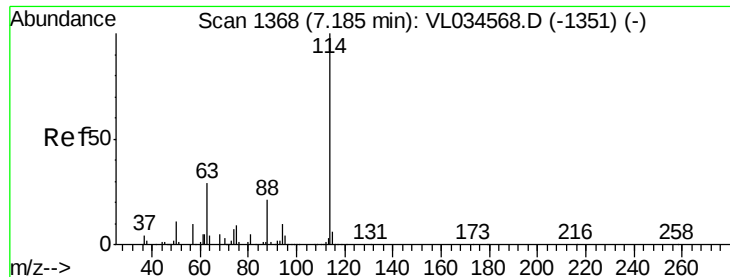


#32

1,1,1-Trichloroethane
 Concen: 10.089 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Tgt Ion: 97 Resp: 1864374
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.2 78.2
 61 52.8 43.0 64.4

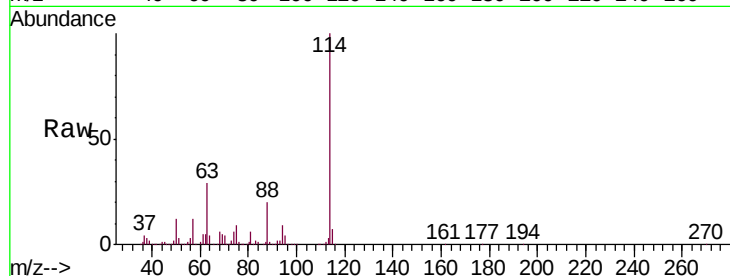




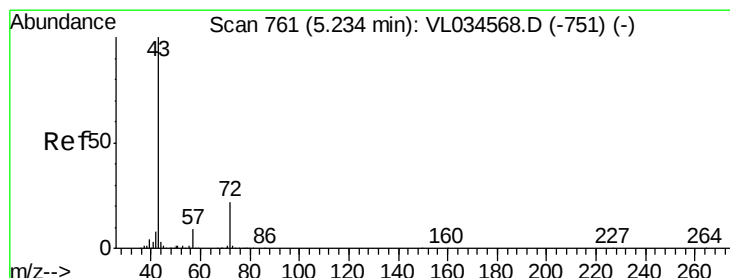
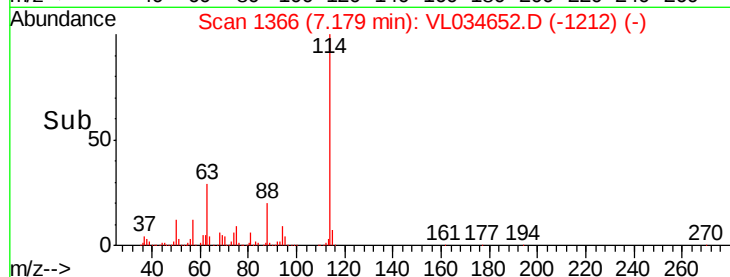
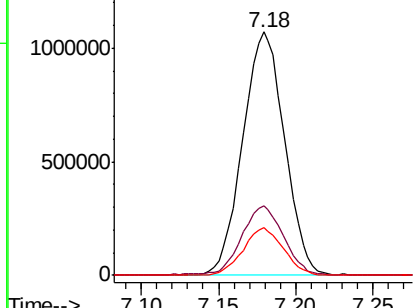
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tgt Ion:114 Resp: 2015552
 Ion Ratio Lower Upper
 114 100
 63 29.0 24.1 36.1
 88 18.9 15.9 23.9

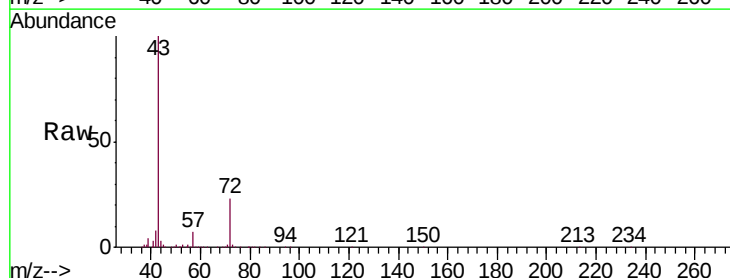


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

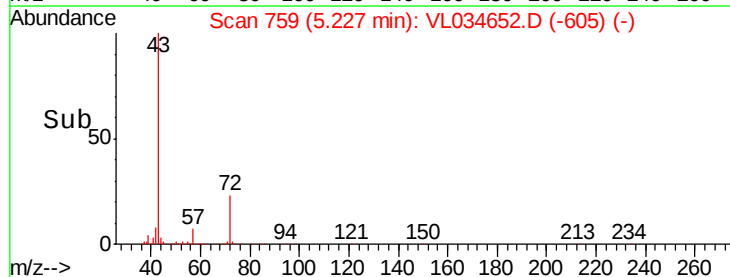
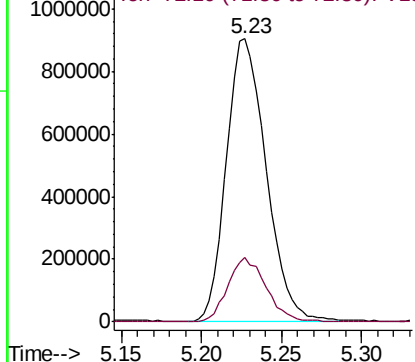


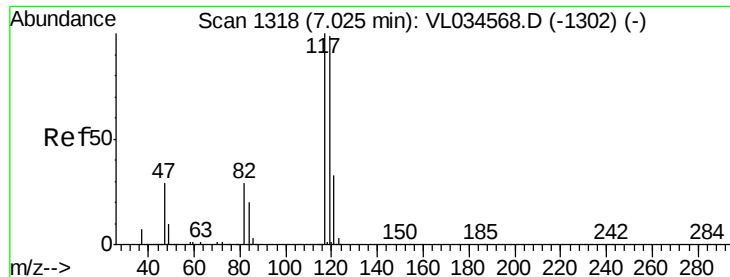
#34
 2-Butanone
 Concen: 10.446 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Tgt Ion: 43 Resp: 1528744
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.2 25.8



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





#35

Carbon Tetrachloride

Concen: 10.170 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

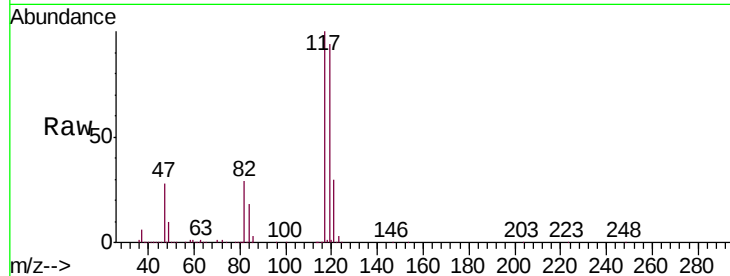
Tgt Ion:117 Resp: 1959720

Ion Ratio Lower Upper

117 100

119 93.7 79.5 119.3

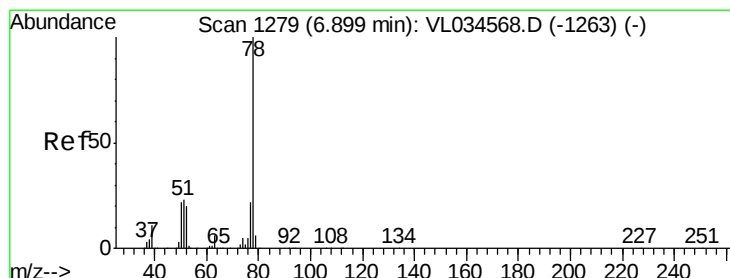
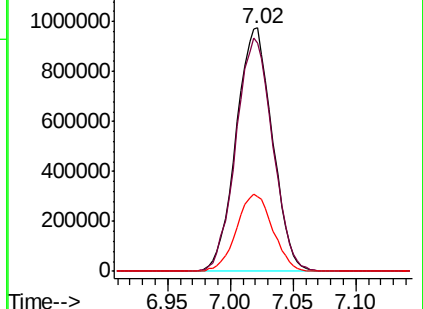
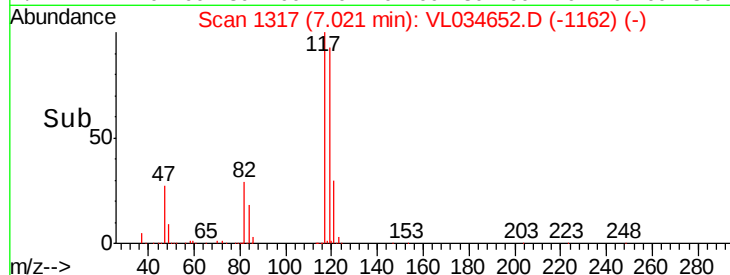
121 30.4 26.2 39.2



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: 10.896 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

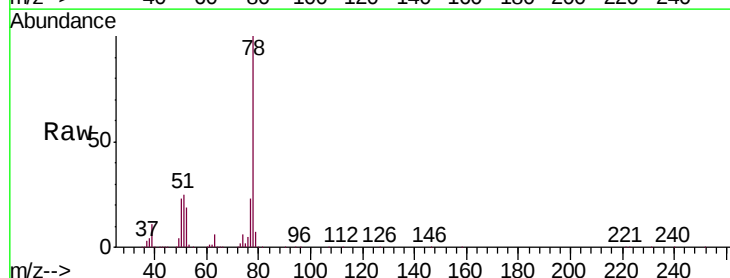
Tgt Ion: 78 Resp: 1952964

Ion Ratio Lower Upper

78 100

77 22.9 17.3 25.9

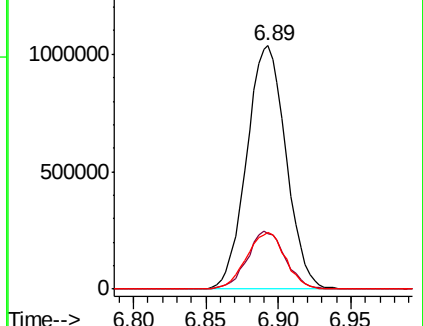
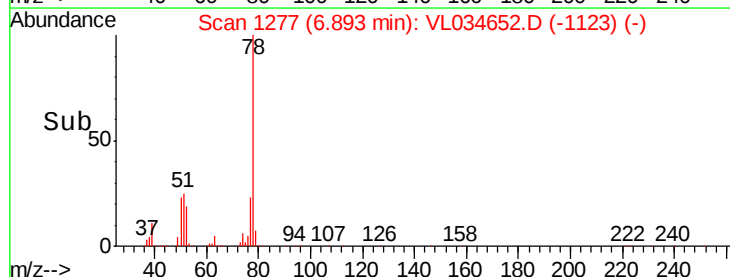
50 23.4 17.4 26.2

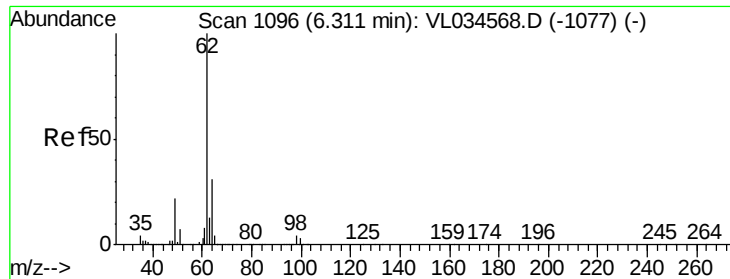


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

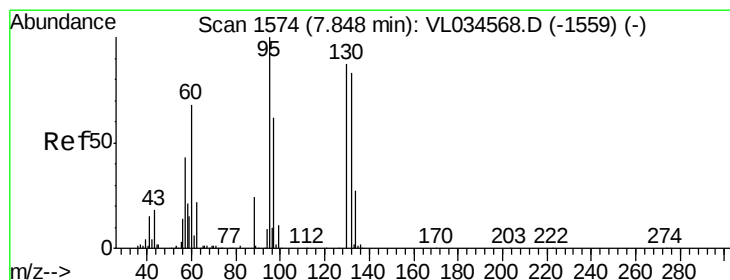
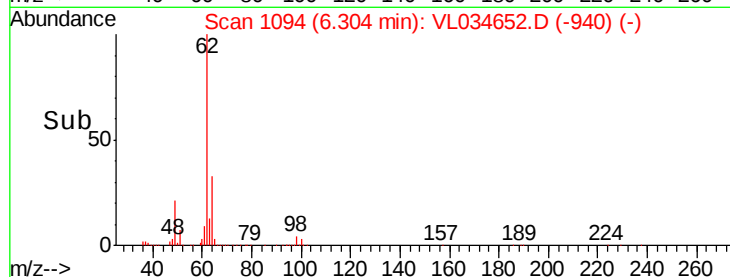
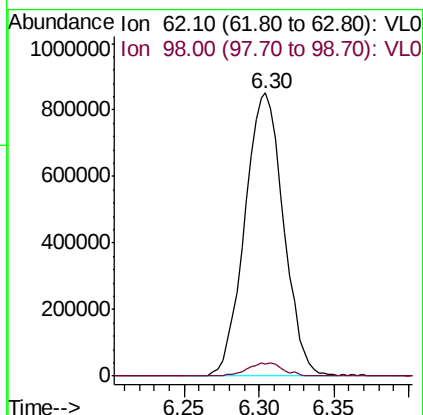
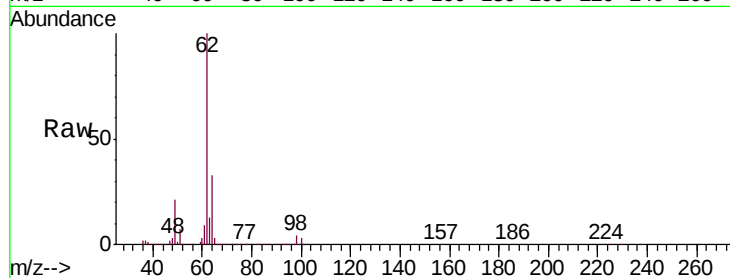




#37
 1,2-Dichloroethane
 Concen: 10.252 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

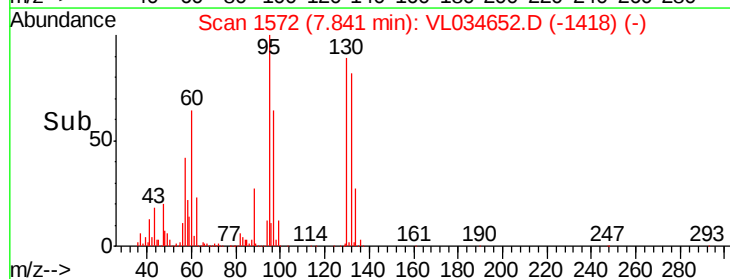
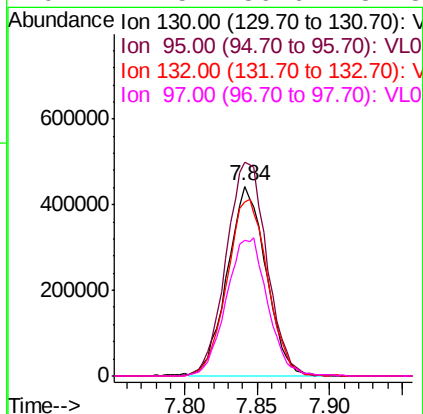
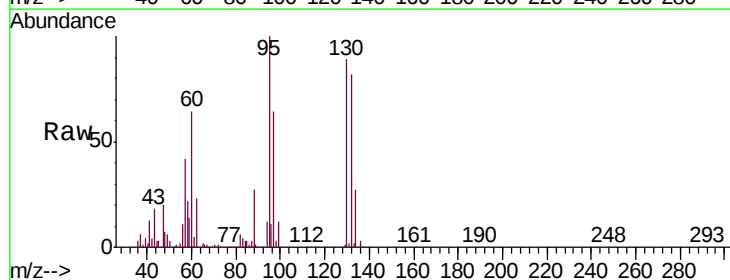
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

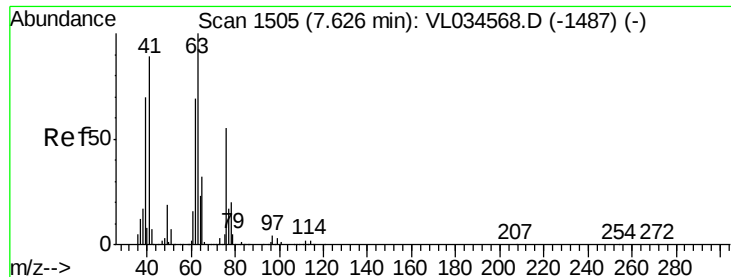
Tgt Ion: 62 Resp: 1533163
 Ion Ratio Lower Upper
 62 100
 98 4.4 3.7 5.5



#38
 Trichloroethene
 Concen: 10.760 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Tgt Ion: 130 Resp: 812967
 Ion Ratio Lower Upper
 130 100
 95 112.5 91.6 137.4
 132 91.6 76.1 114.1
 97 71.5 56.6 84.8

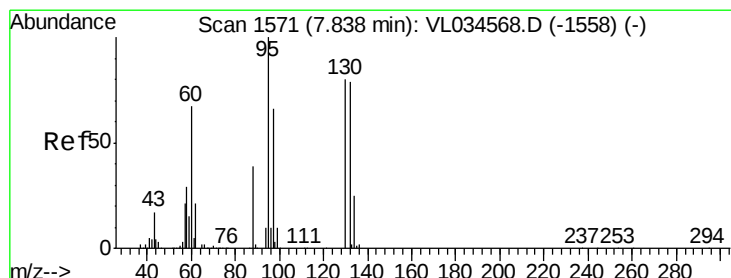
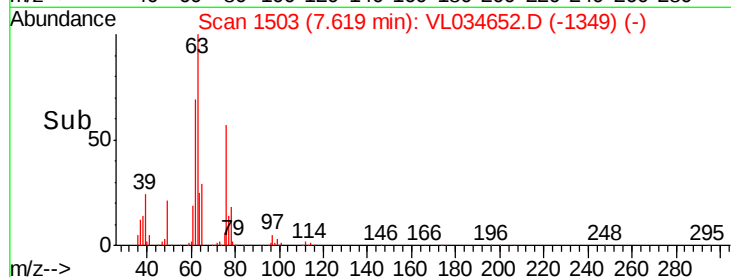
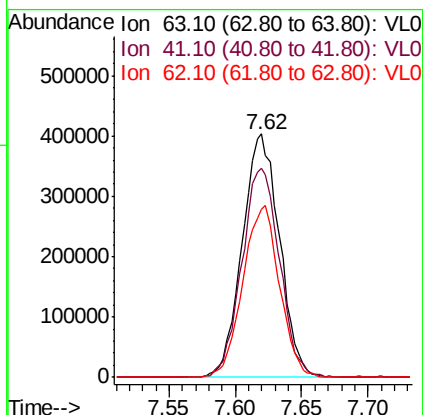
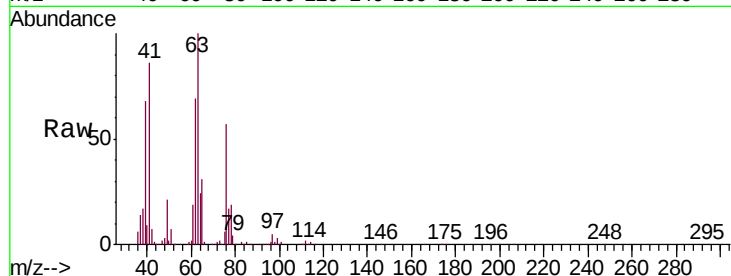




#39
 1,2-Dichloropropane
 Concen: 10.582 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

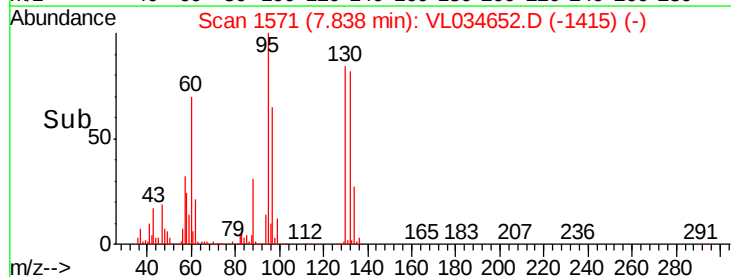
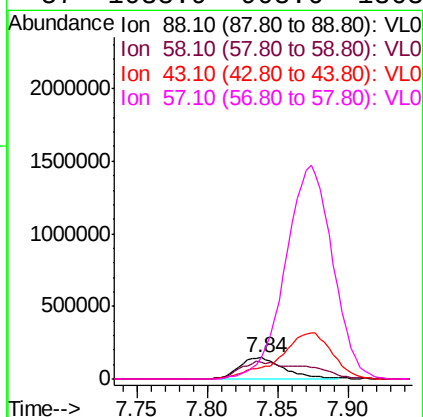
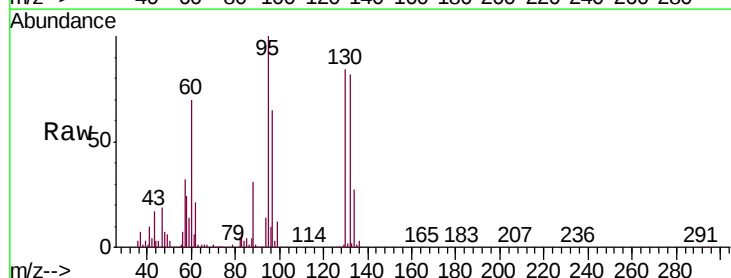
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

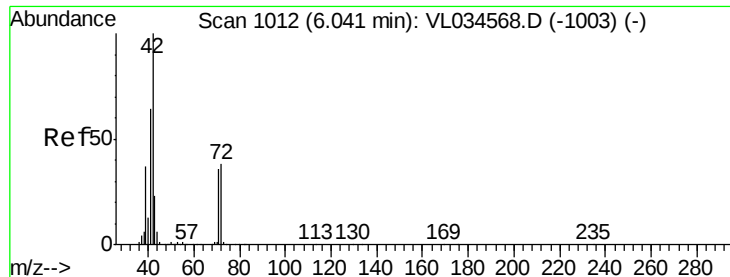
Tgt Ion: 63 Resp: 786273
 Ion Ratio Lower Upper
 63 100
 41 85.7 71.0 106.4
 62 69.1 55.4 83.0



#40
 1,4-Dioxane
 Concen: 11.593 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Tgt Ion: 88 Resp: 331140
 Ion Ratio Lower Upper
 88 100
 58 126.2 107.8 161.8
 43 252.9 220.9 331.3
 57 1038.9 908.6 1363.0





#41

Tetrahydrofuran

Concen: 10.594 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

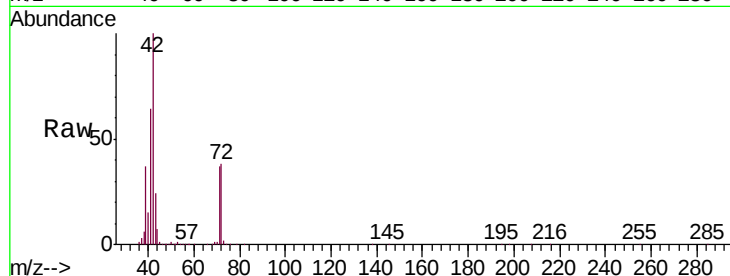
Tgt Ion: 42 Resp: 808841

Ion Ratio Lower Upper

42 100

72 40.7 31.8 47.8

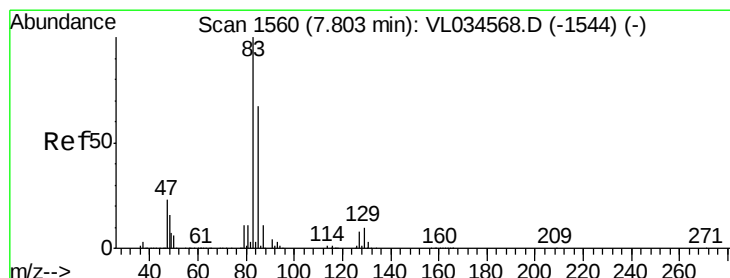
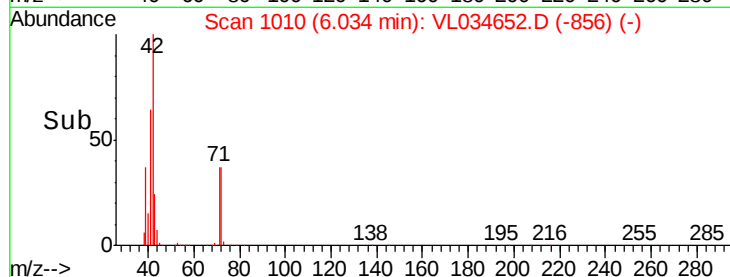
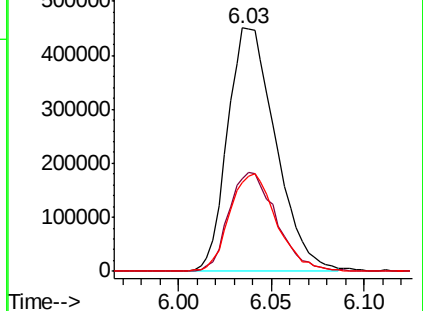
71 39.5 30.2 45.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.539 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

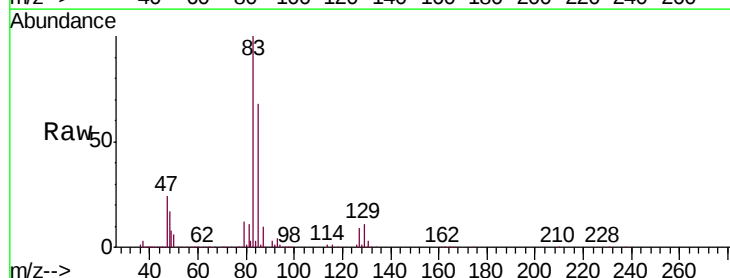
Tgt Ion: 83 Resp: 1939804

Ion Ratio Lower Upper

83 100

85 67.5 53.2 79.8

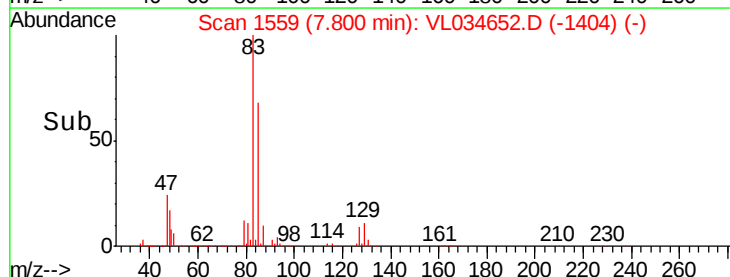
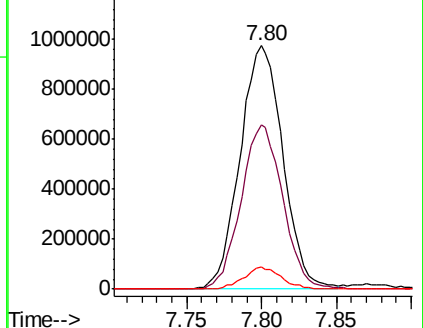
127 9.1 6.5 9.7

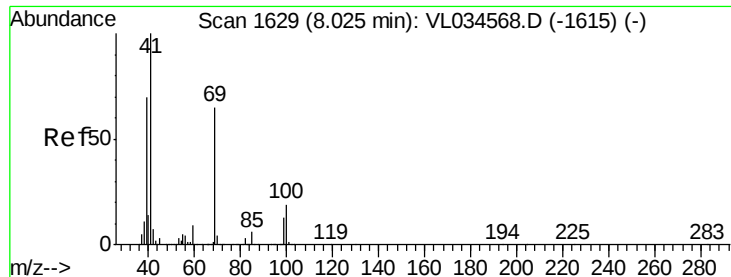


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

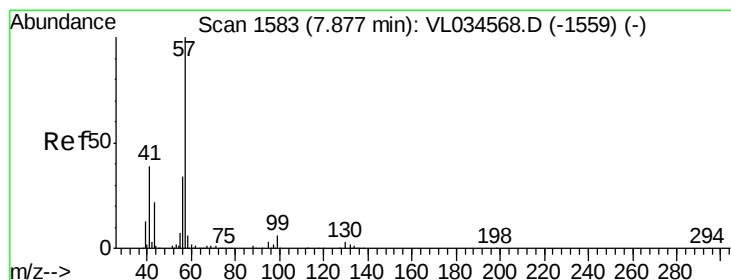
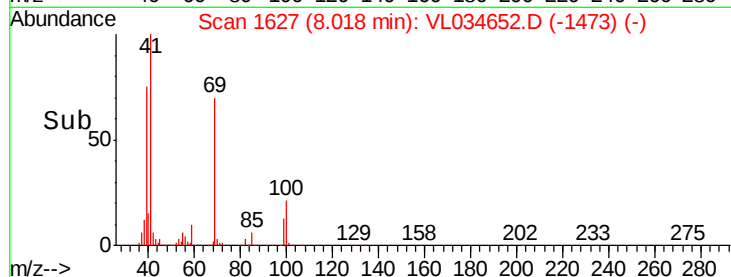
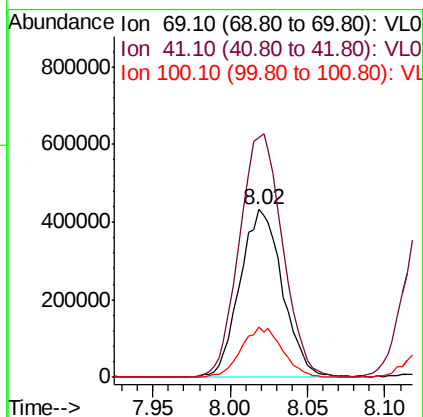
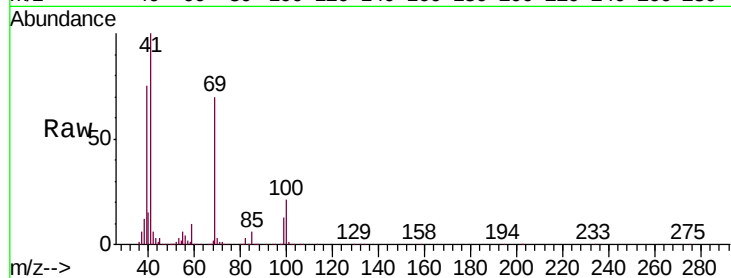




#43
Methyl Methacrylate
Concen: 11.448 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

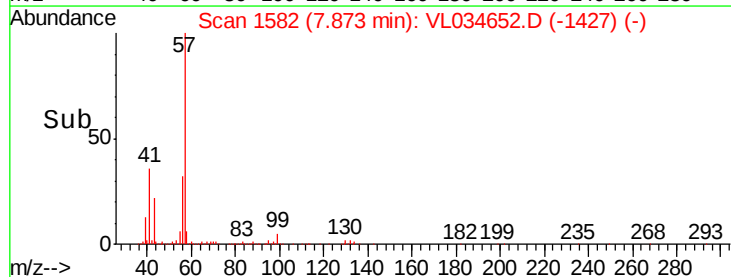
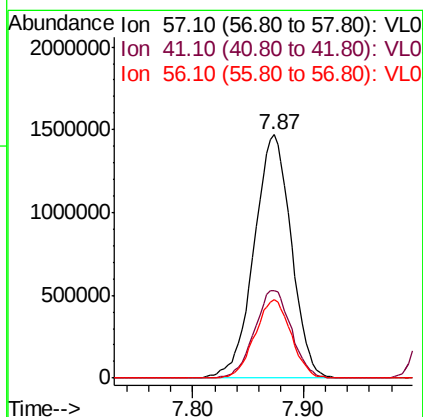
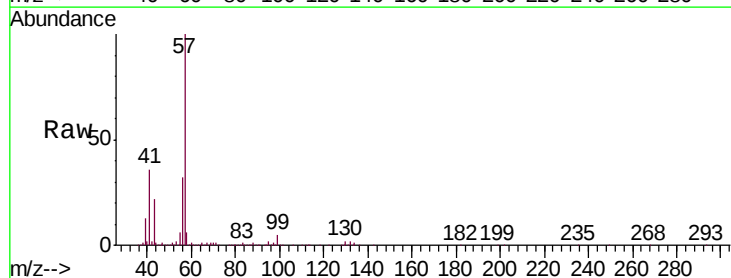
Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

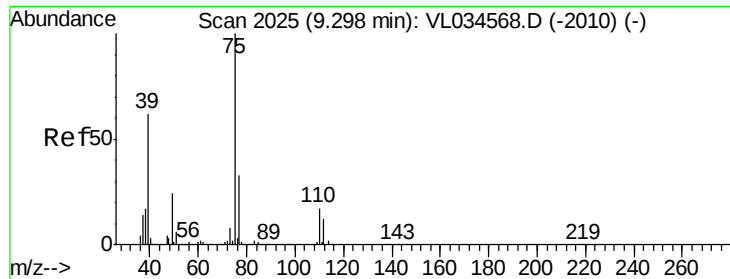
Tgt Ion: 69 Resp: 825316
Ion Ratio Lower Upper
69 100
41 147.9 123.9 185.9
100 29.2 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 10.559 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

Tgt Ion: 57 Resp: 3433959
Ion Ratio Lower Upper
57 100
41 35.7 28.9 43.3
56 31.3 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.492 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

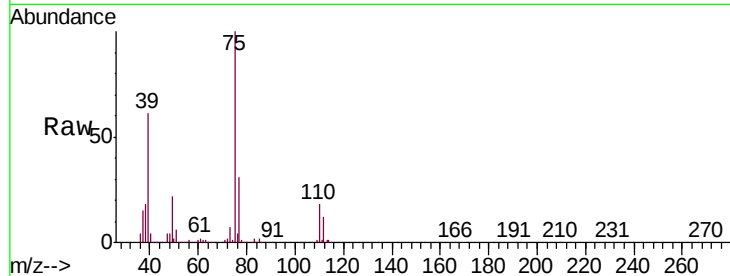
VL0219ABS01

Tgt Ion: 75 Resp: 1084854

Ion Ratio Lower Upper

75 100

77 31.2 26.7 40.1



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

600000

500000

400000

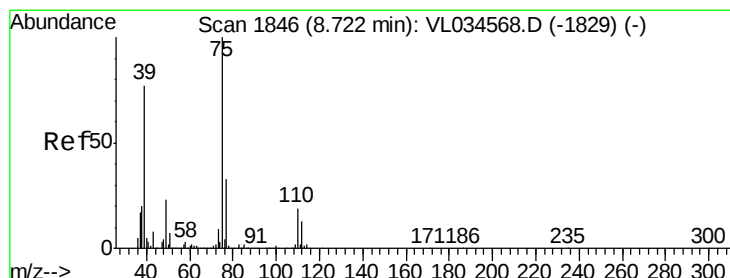
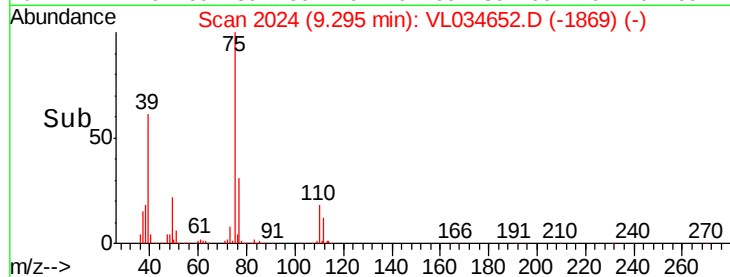
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.470 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

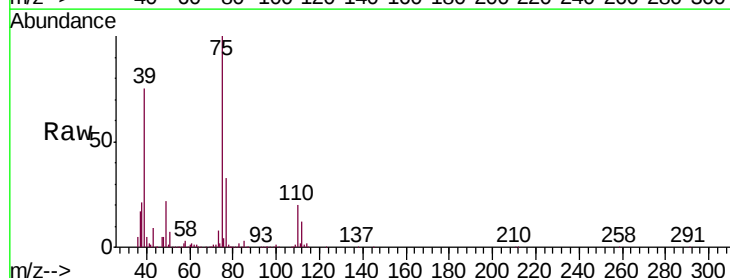
Tgt Ion: 75 Resp: 1230625

Ion Ratio Lower Upper

75 100

39 75.1 61.9 92.9

77 32.7 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.72

800000

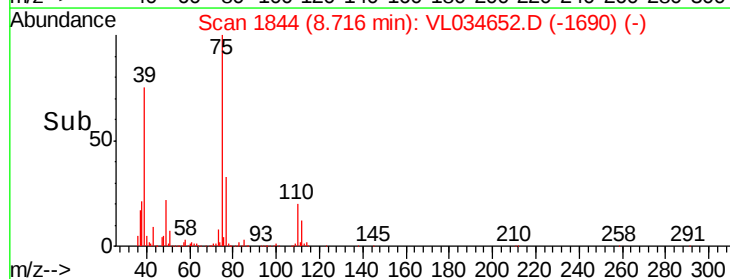
600000

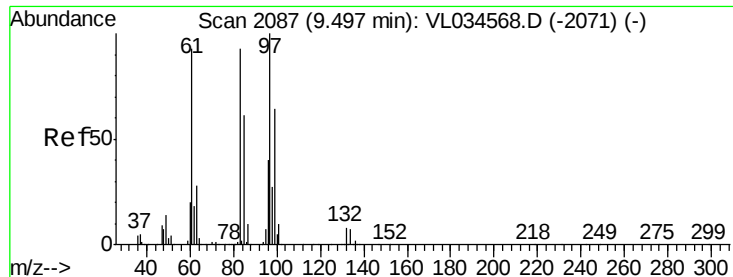
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 10.706 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

Tgt Ion: 97 Resp: 861592

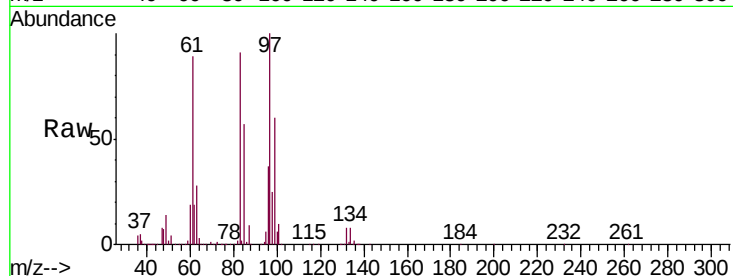
Ion Ratio Lower Upper

97 100

83 90.5 74.4 111.6

85 57.2 49.2 73.8

99 60.3 50.9 76.3



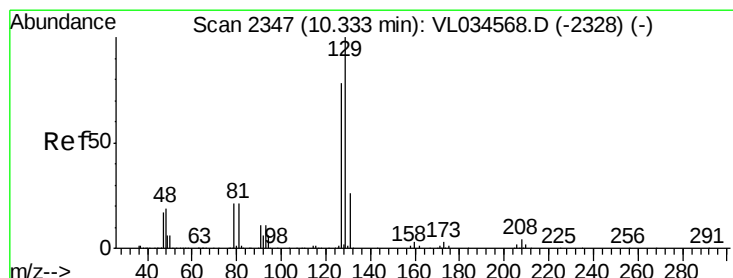
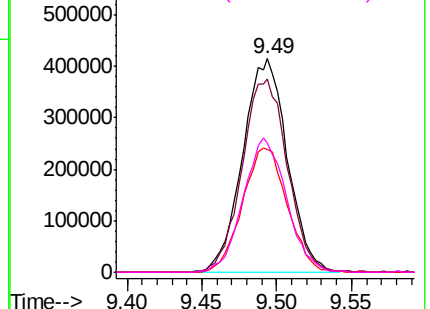
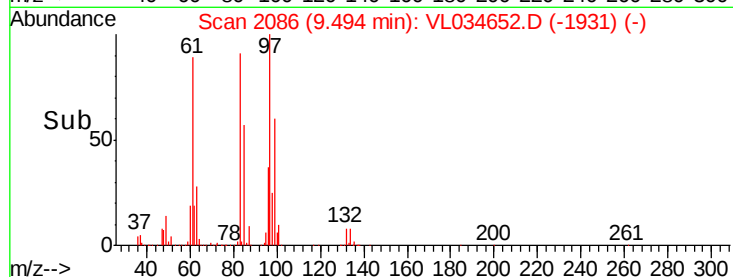
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.015 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. -0.01 min

Lab File: VL034652.D

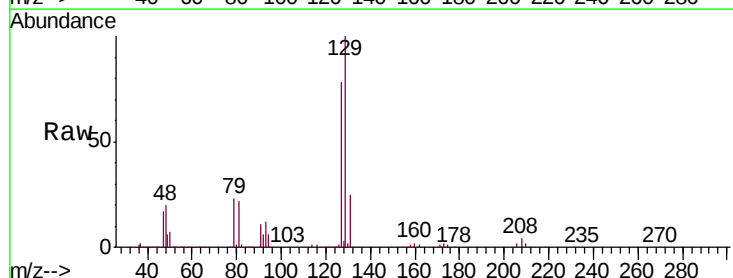
Acq: 19 Feb 2020 18:58

Tgt Ion: 129 Resp: 1624375

Ion Ratio Lower Upper

129 100

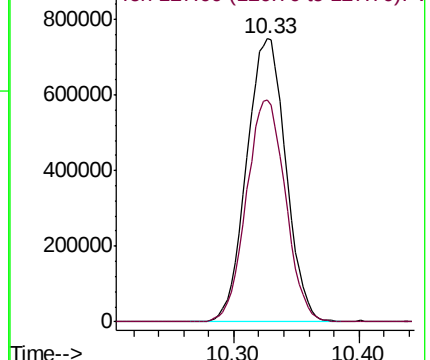
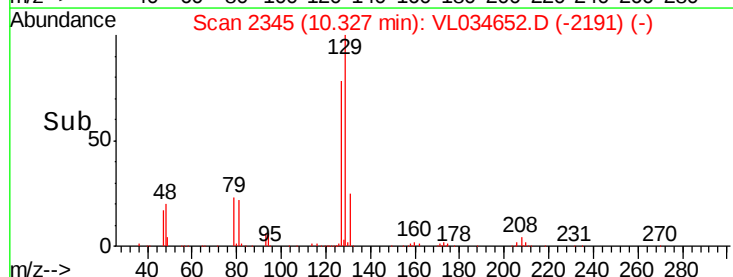
127 78.3 39.1 117.2

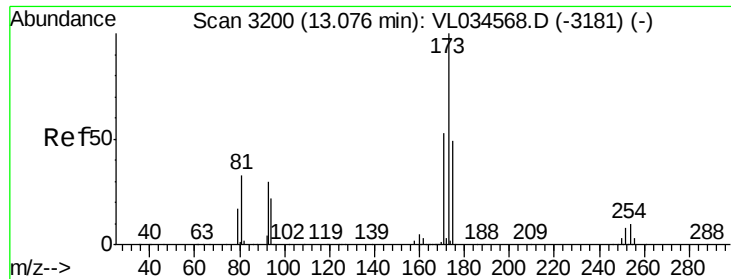


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.247 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

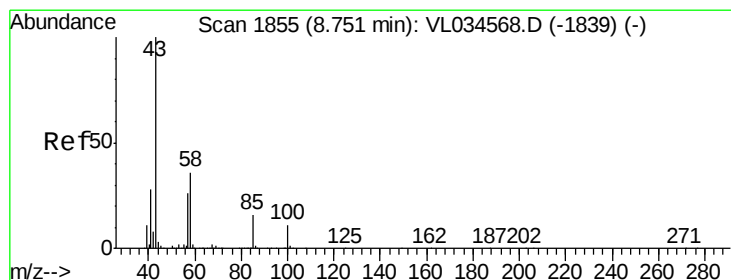
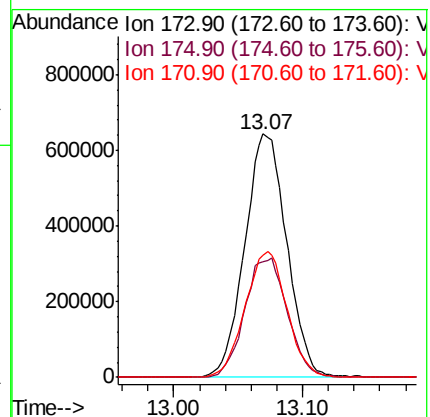
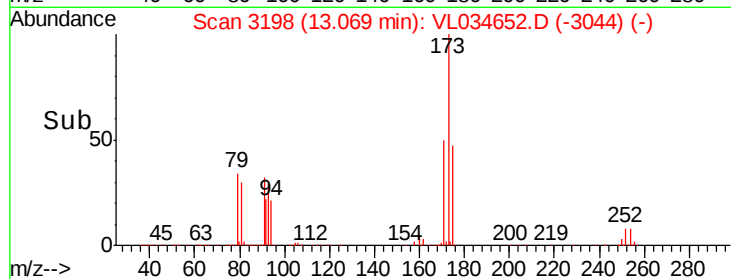
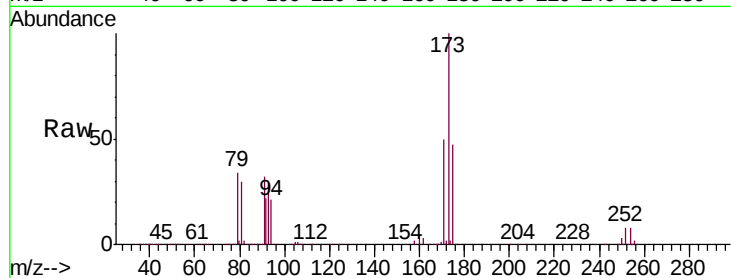
Tgt Ion:173 Resp: 1456265

Ion Ratio Lower Upper

173 100

175 49.9 39.7 59.5

171 51.5 41.6 62.4



#50

4-Methyl-2-Pentanone

Concen: 10.625 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VL034652.D

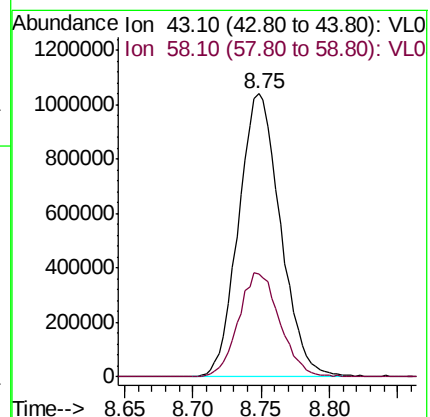
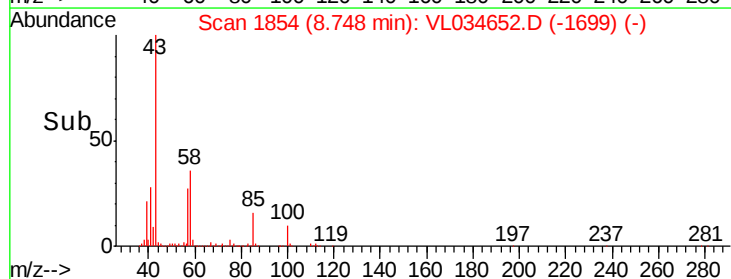
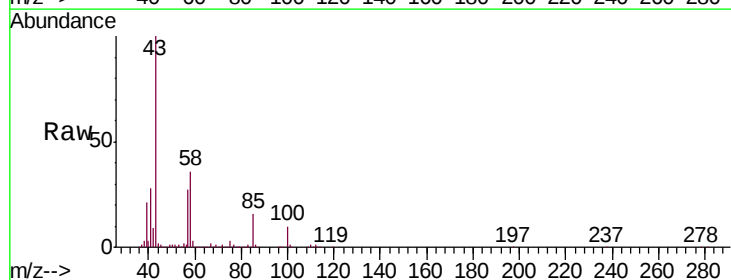
Acq: 19 Feb 2020 18:58

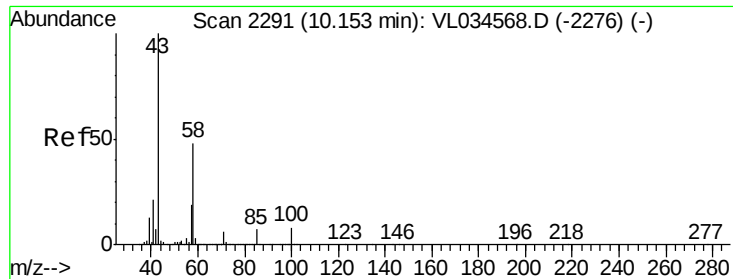
Tgt Ion: 43 Resp: 2217557

Ion Ratio Lower Upper

43 100

58 36.4 28.6 43.0

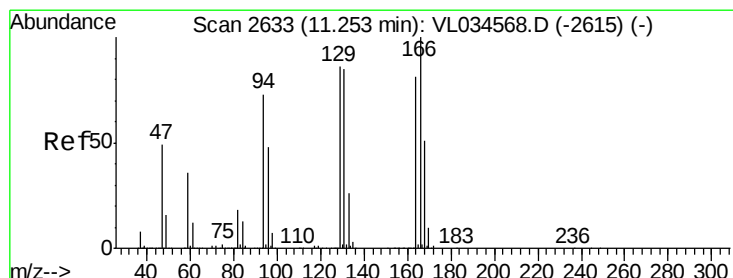
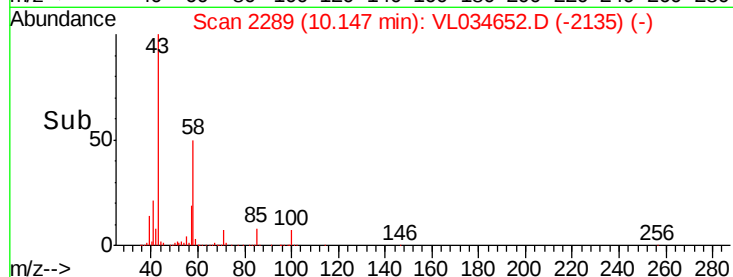
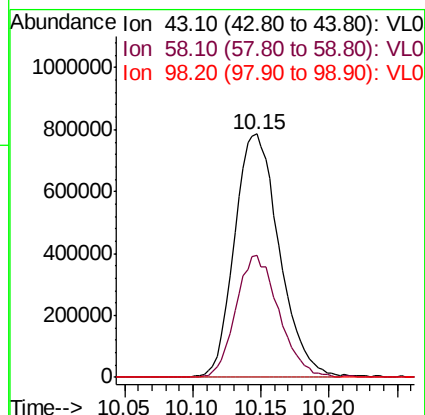
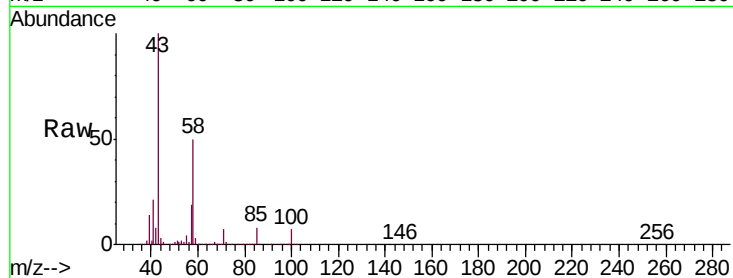




#51
2-Hexanone
Concen: 10.895 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

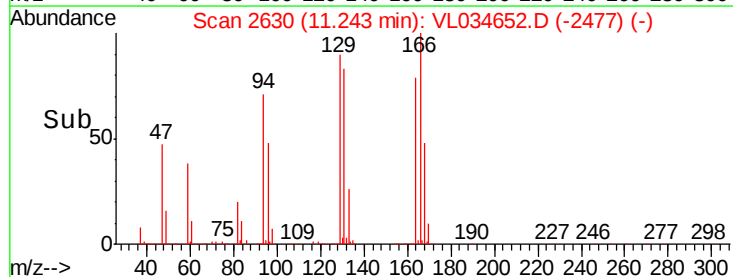
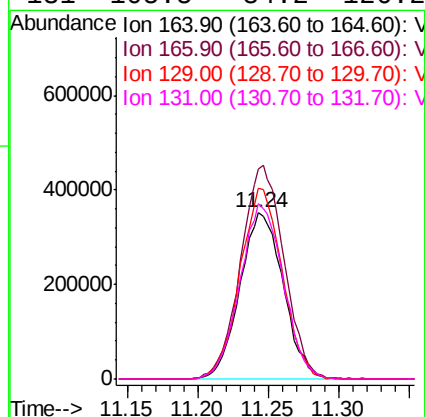
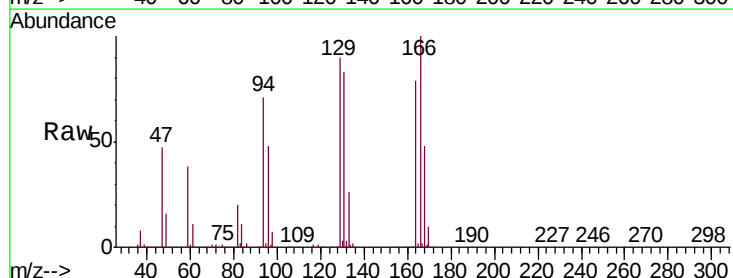
Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

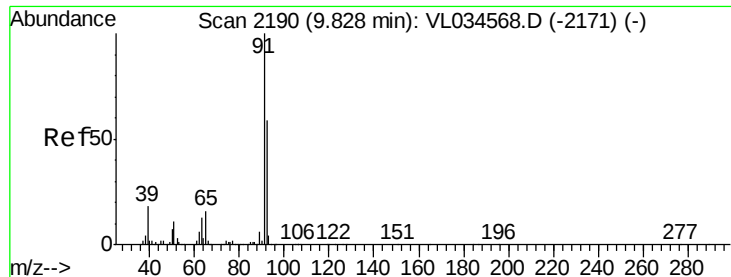
Tgt Ion: 43 Resp: 1789861
Ion Ratio Lower Upper
43 100
58 48.5 37.9 56.9
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.462 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

Tgt Ion: 164 Resp: 753323
Ion Ratio Lower Upper
164 100
166 126.6 99.0 148.4
129 114.4 85.3 127.9
131 105.5 84.2 126.2





#53

Toluene

Concen: 11.462 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

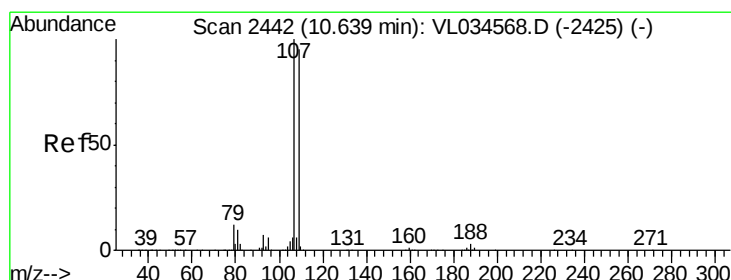
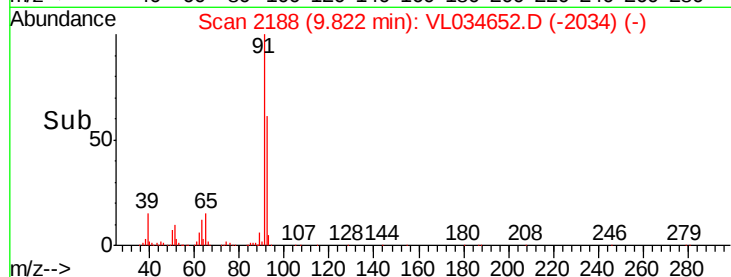
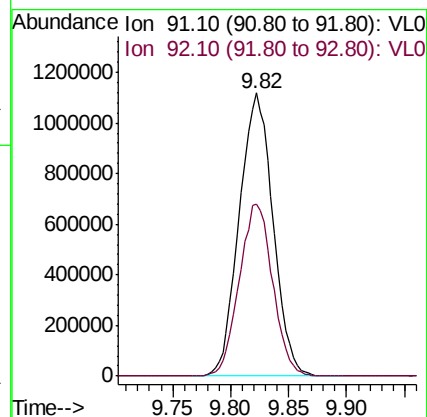
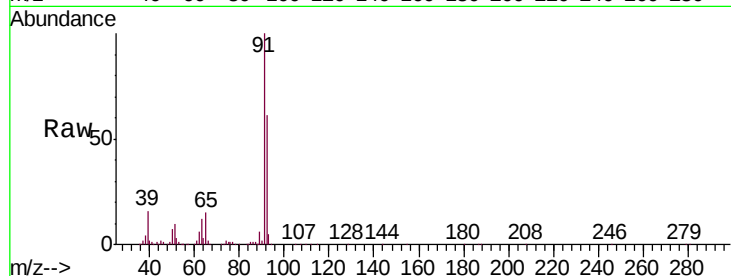
VL0219ABS01

Tgt Ion: 91 Resp: 2256923

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.202 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL034652.D

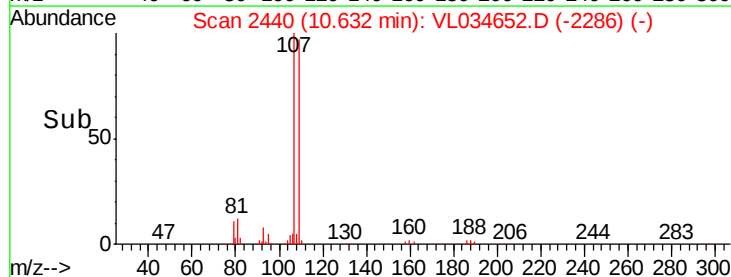
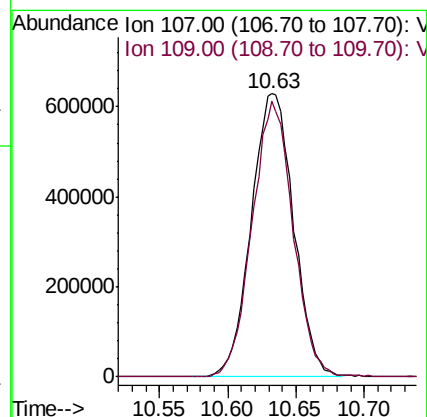
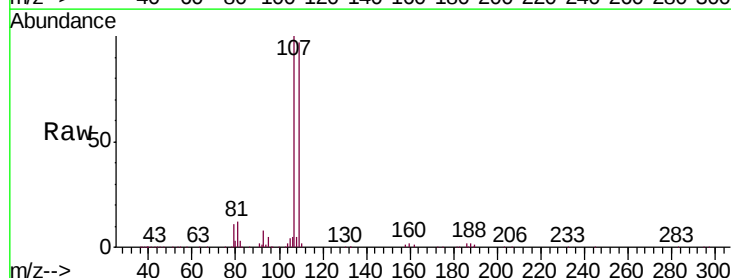
Acq: 19 Feb 2020 18:58

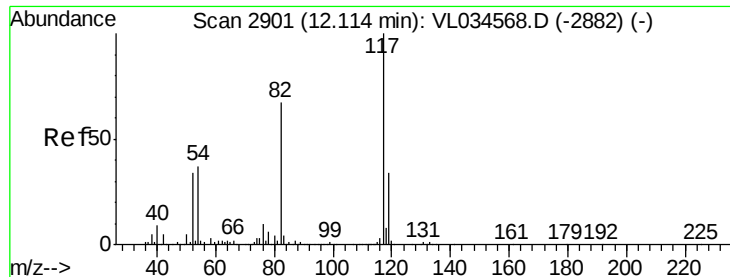
Tgt Ion: 107 Resp: 1350931

Ion Ratio Lower Upper

107 100

109 97.4 75.9 113.9

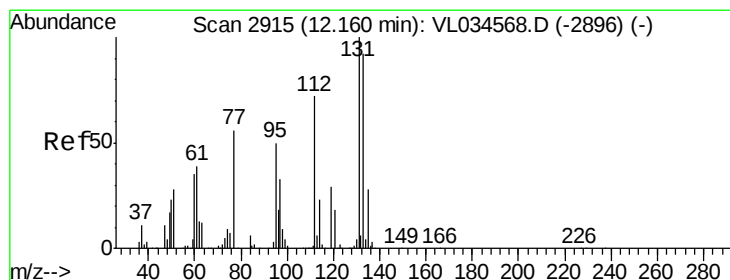
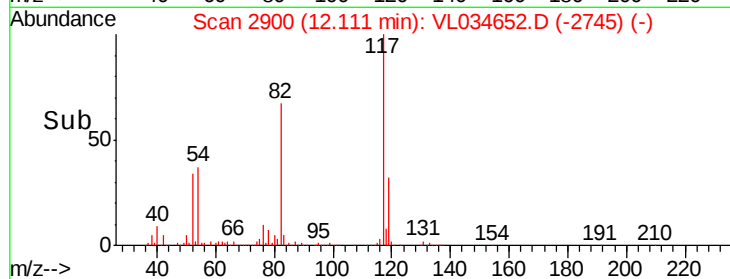
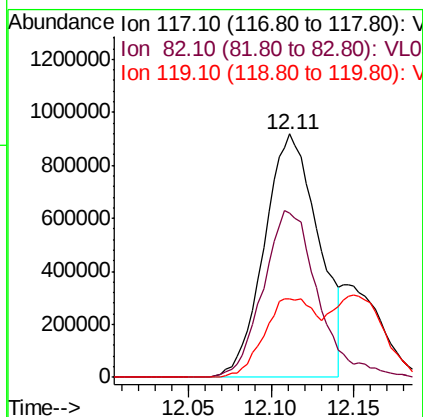
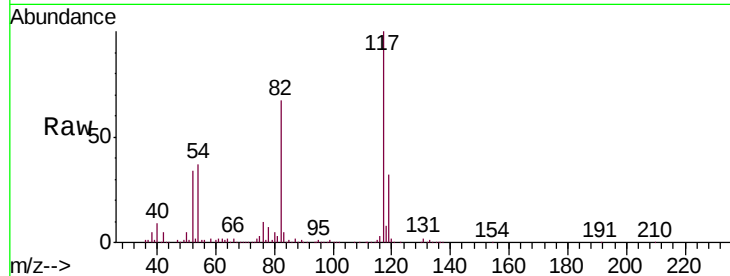




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

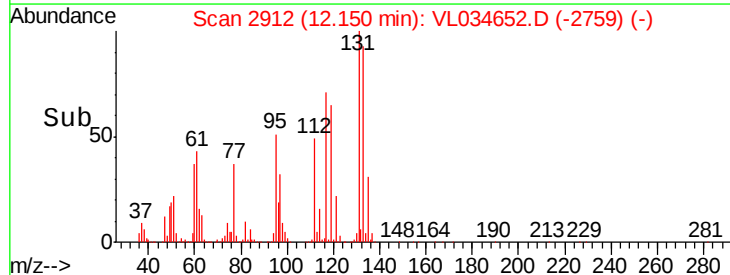
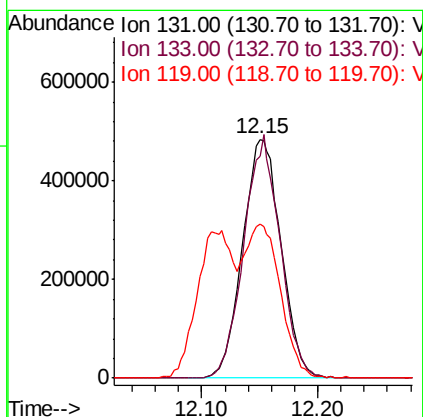
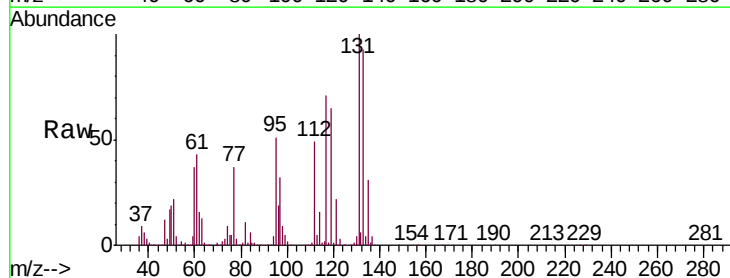
Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

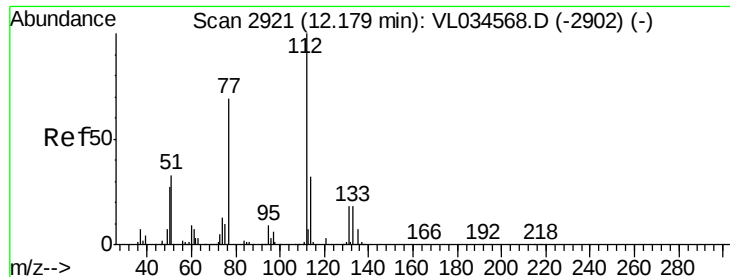
Tgt Ion:117 Resp: 2087677
Ion Ratio Lower Upper
117 100
82 69.7 54.2 81.4
119 33.5 26.1 39.1



#56
1,1,1,2-Tetrachloroethane
Concen: 10.800 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

Tgt Ion:131 Resp: 1113140
Ion Ratio Lower Upper
131 100
133 96.0 75.8 113.8
119 61.8 47.0 70.6

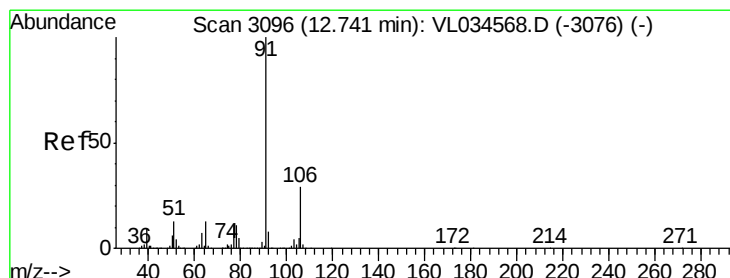
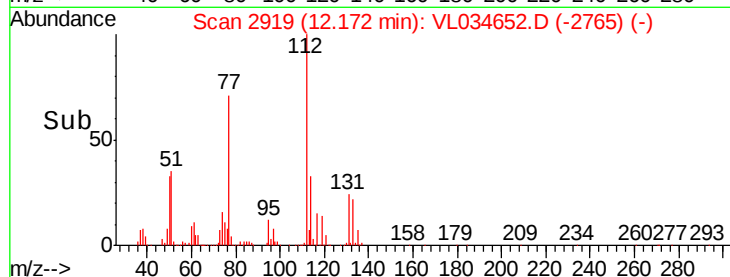
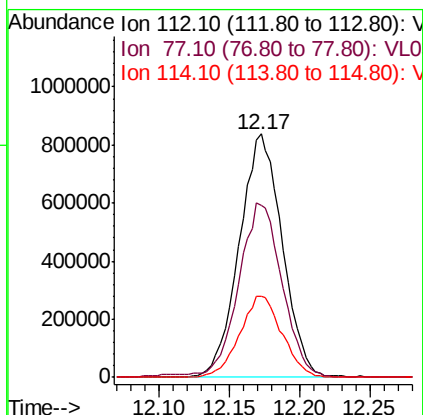
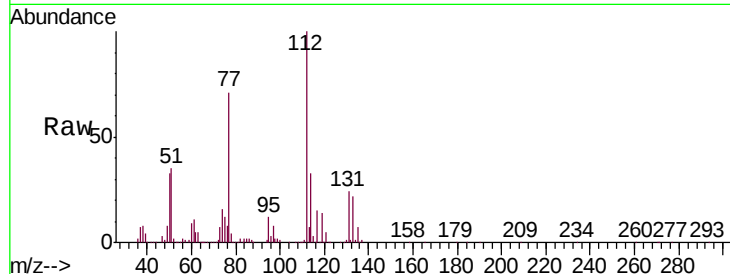




#57
Chlorobenzene
Concen: 10.367 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

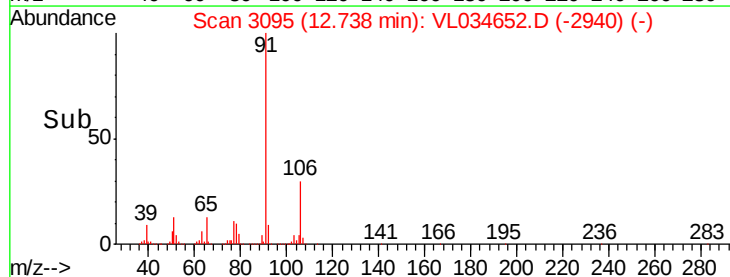
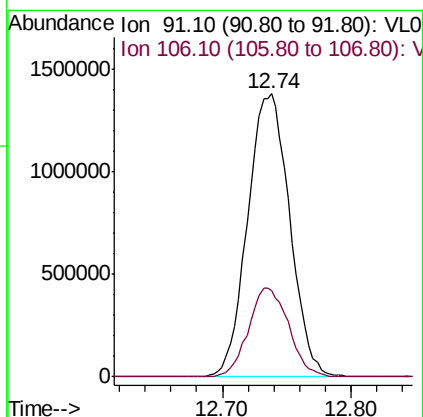
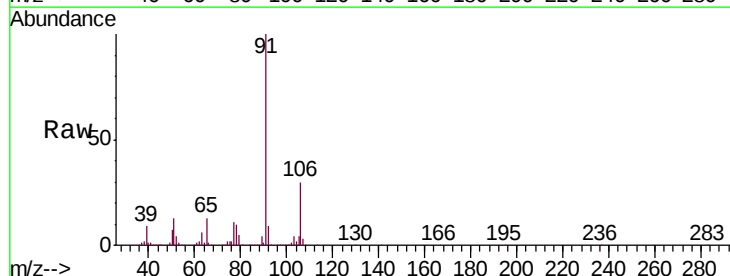
Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

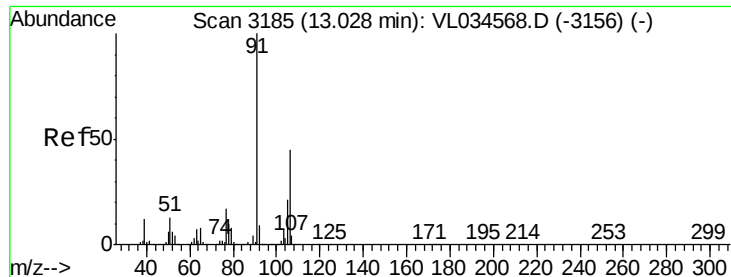
Tgt Ion: 112 Resp: 1780868
Ion Ratio Lower Upper
112 100
77 70.1 56.5 84.7
114 33.0 29.2 35.6



#58
Ethyl Benzene
Concen: 11.191 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

Tgt Ion: 91 Resp: 3126313
Ion Ratio Lower Upper
91 100
106 30.3 23.3 34.9

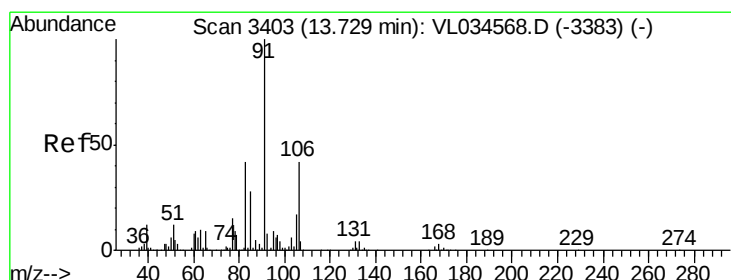
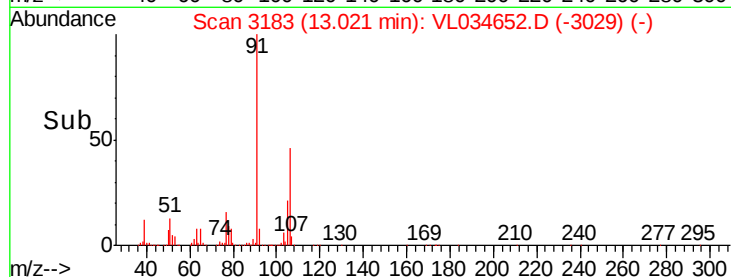
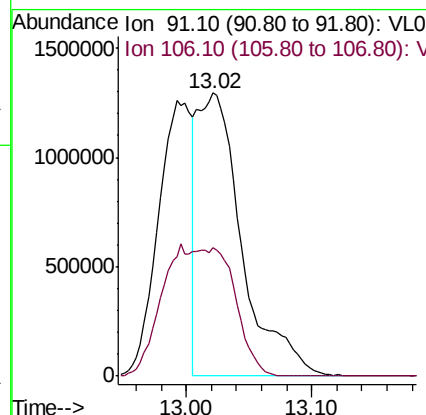
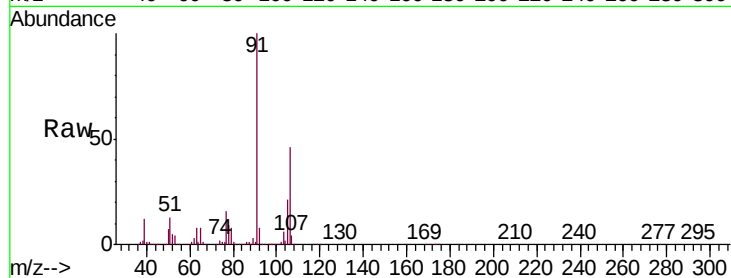




#59
m/p-Xylene
Concen: 12.867 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

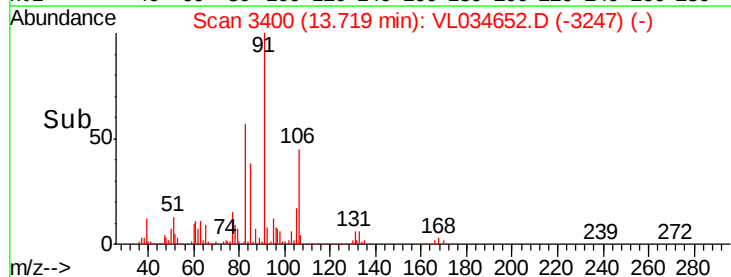
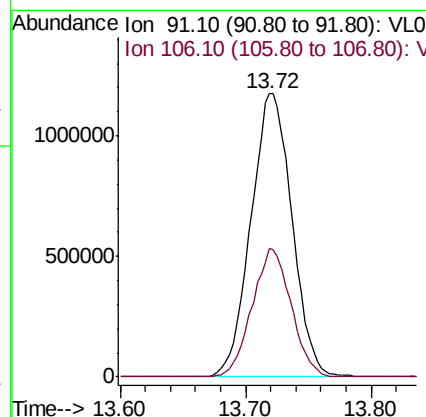
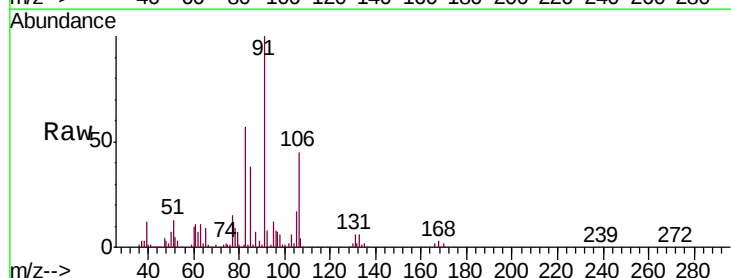
Instrument :
MSVOA_L
ClientSampleId :
VL0219ABS01

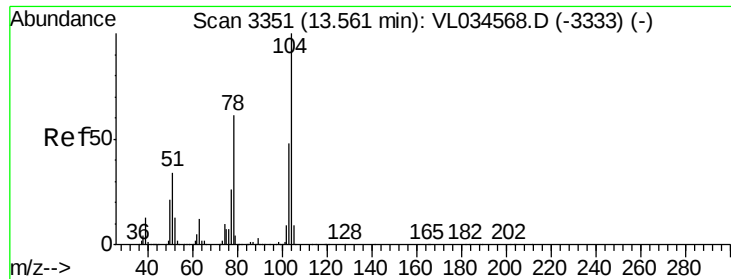
Tgt Ion: 91 Resp: 3177480
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#



#60
o-Xylene
Concen: 10.797 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL034652.D
Acq: 19 Feb 2020 18:58

Tgt Ion: 91 Resp: 2677763
Ion Ratio Lower Upper
91 100
106 43.2 21.6 65.0





#61

Styrene

Concen: 11.228 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

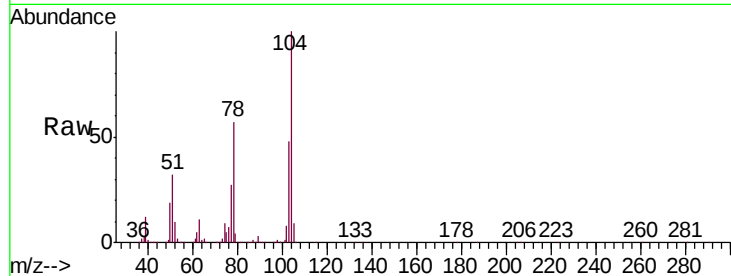
Tgt Ion:104 Resp: 1856680

Ion Ratio Lower Upper

104 100

78 60.4 47.0 70.6

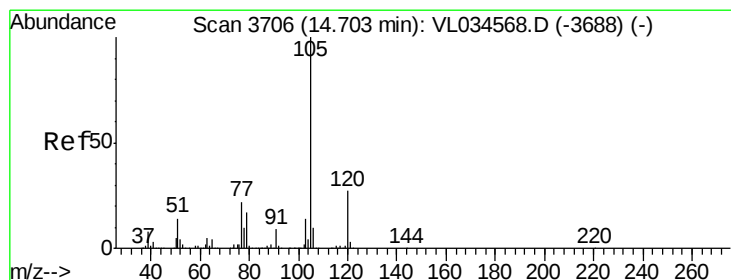
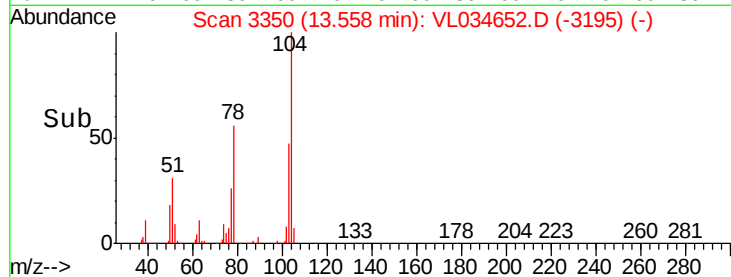
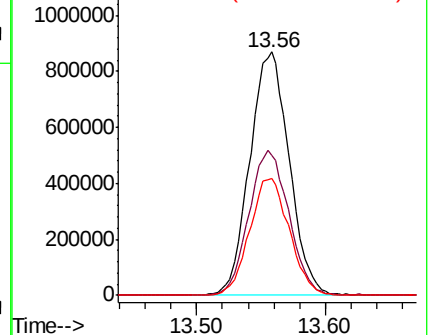
103 48.6 38.5 57.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.875 ppbv

RT: 14.70 min Scan# 3705

Delta R.T. -0.00 min

Lab File: VL034652.D

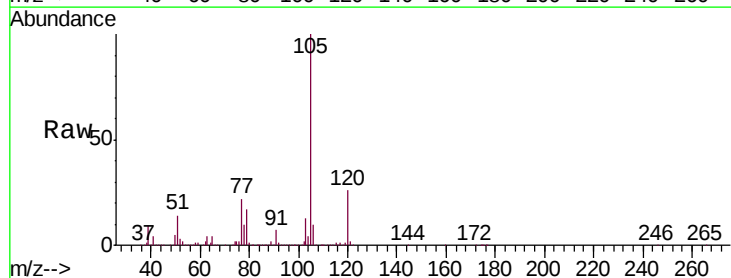
Acq: 19 Feb 2020 18:58

Tgt Ion:105 Resp: 3495130

Ion Ratio Lower Upper

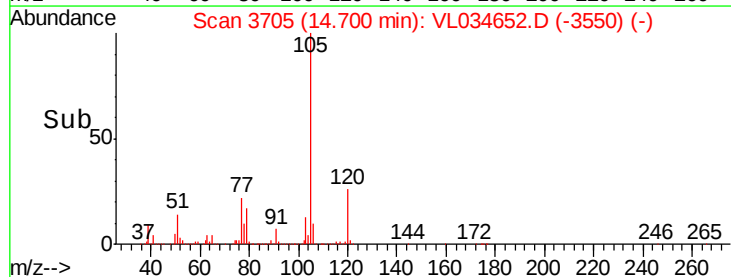
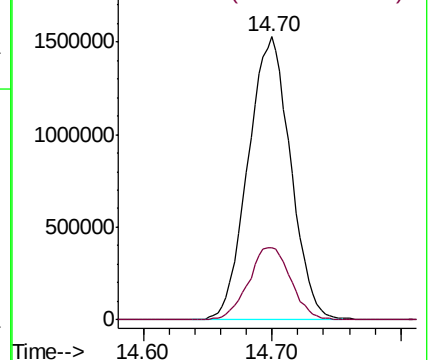
105 100

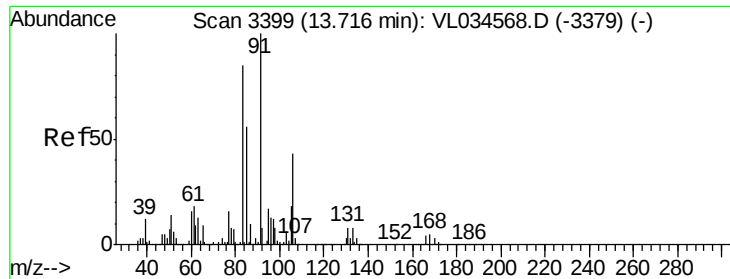
120 25.7 20.7 31.1



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: 10.196 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

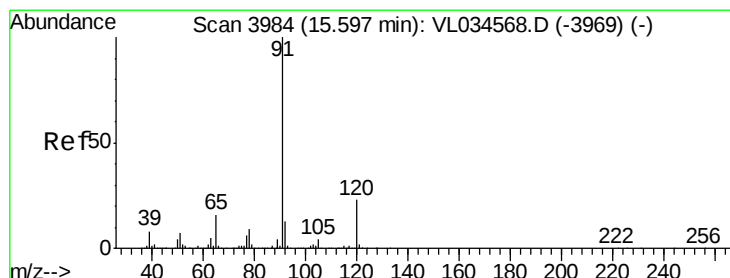
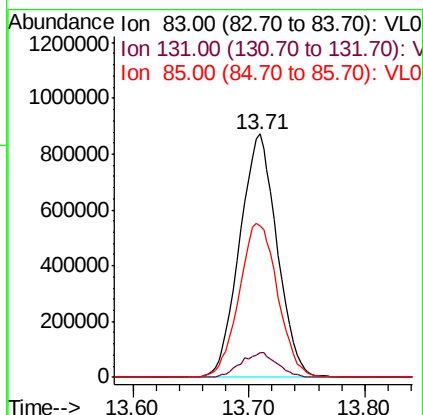
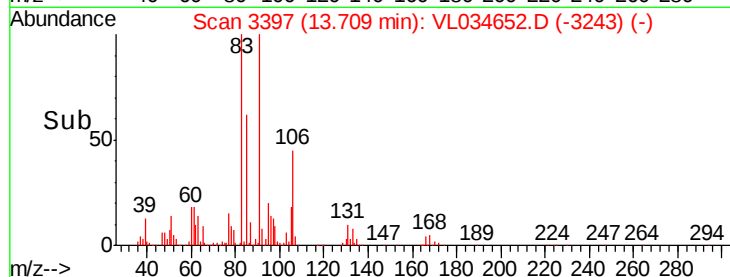
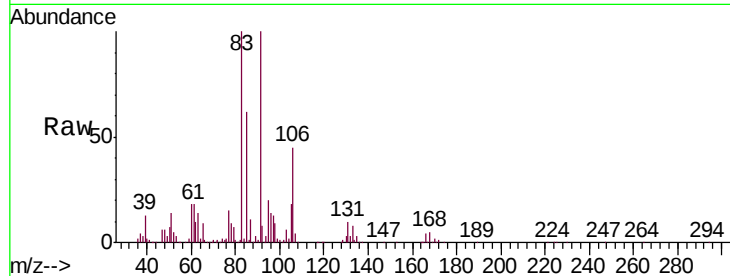
Tgt Ion: 83 Resp: 1955687

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

85 65.4 32.6 98.0



#64

n-propylbenzene

Concen: 11.208 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VL034652.D

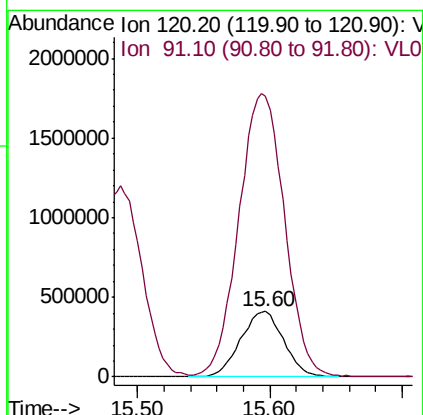
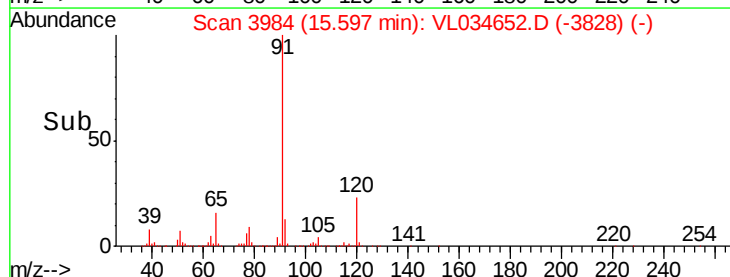
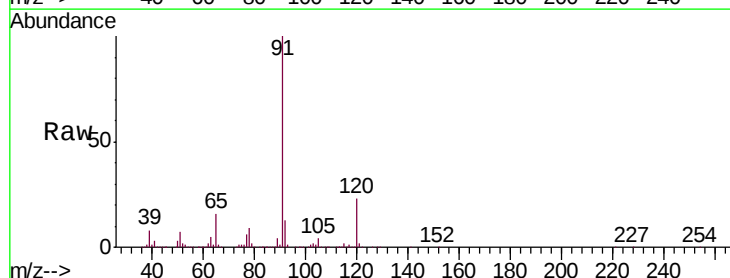
Acq: 19 Feb 2020 18:58

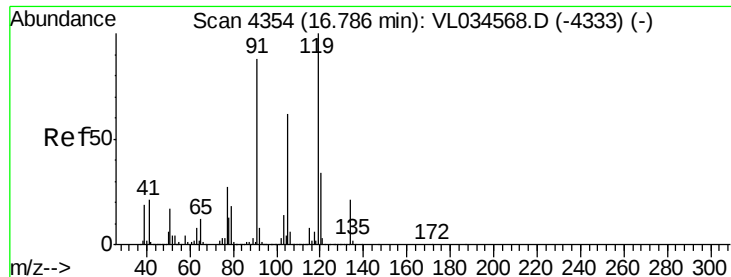
Tgt Ion: 120 Resp: 926734

Ion Ratio Lower Upper

120 100

91 460.3 365.3 547.9





#65

tert-Butylbenzene

Concen: 11.231 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

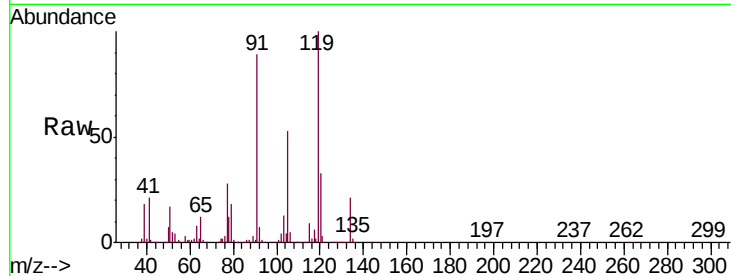
Tgt Ion:119 Resp: 3270119

Ion Ratio Lower Upper

119 100

91 90.3 72.2 108.4

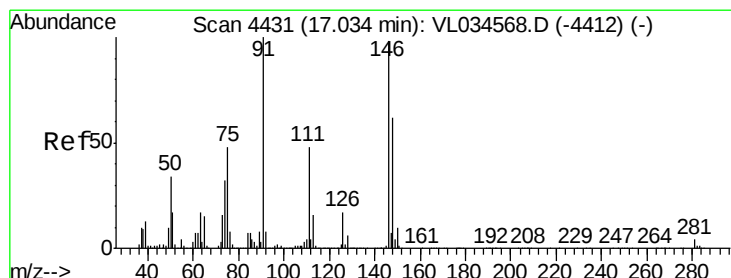
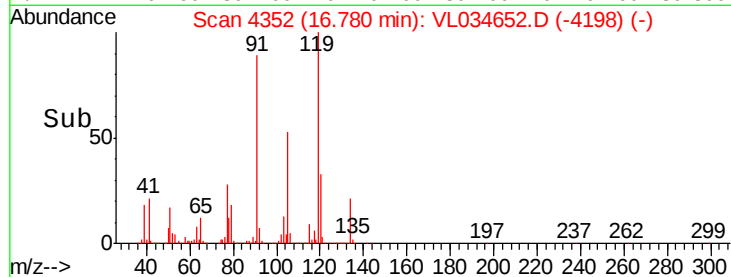
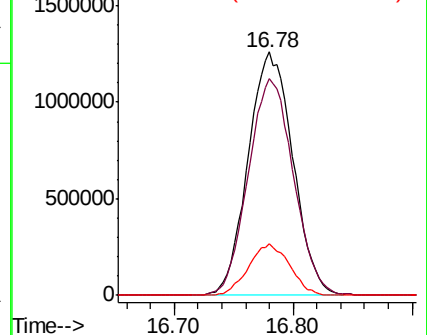
134 19.5 15.9 23.9



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: 12.833 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

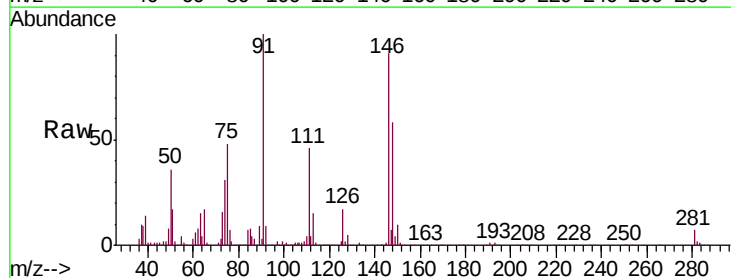
Tgt Ion: 91 Resp: 1566724

Ion Ratio Lower Upper

91 100

126 16.4 13.4 20.0

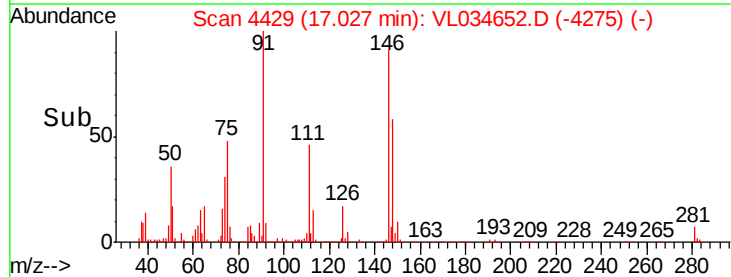
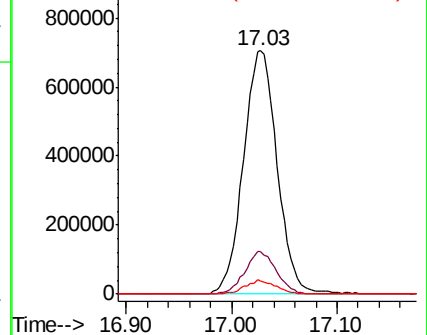
128 5.4 4.3 6.5

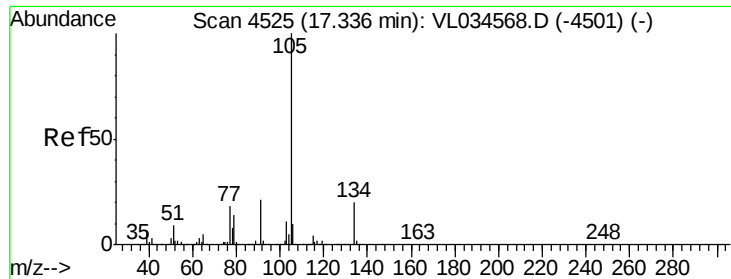


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

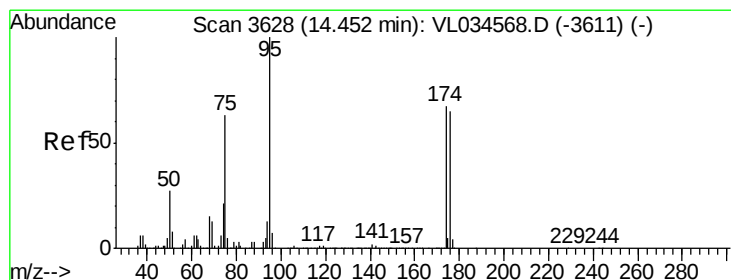
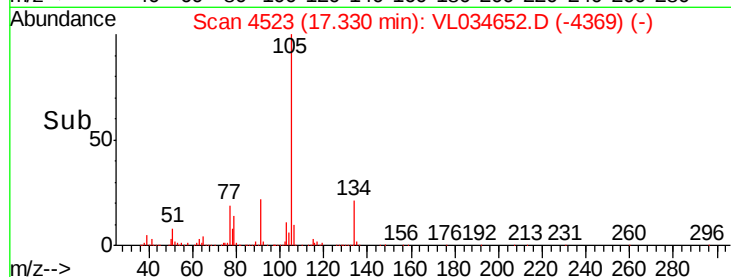
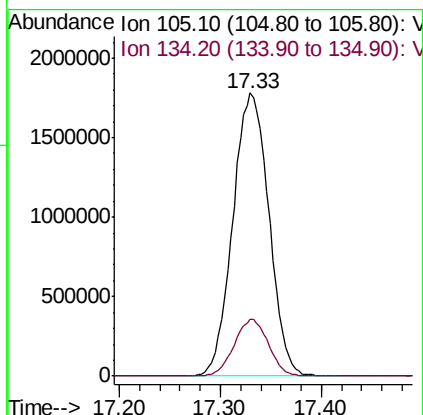
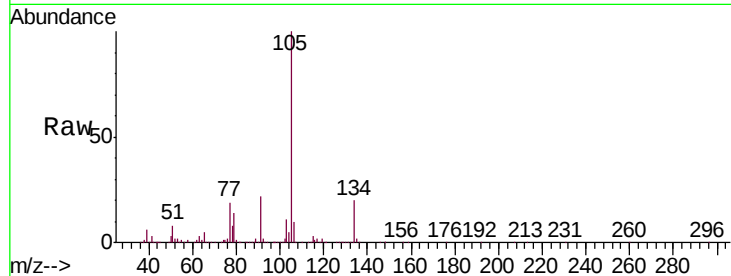




#67
 sec-Butylbenzene
 Concen: 11.019 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

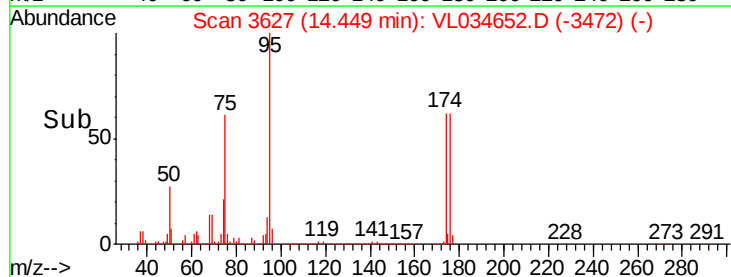
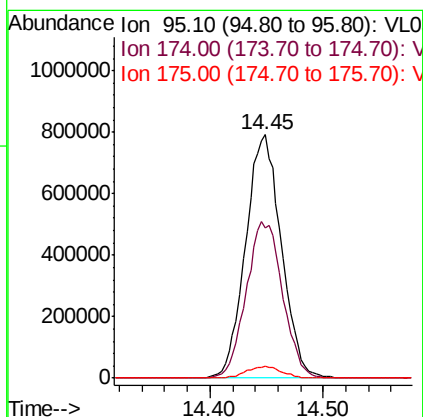
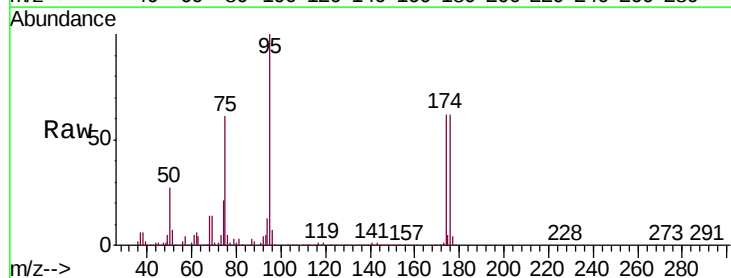
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

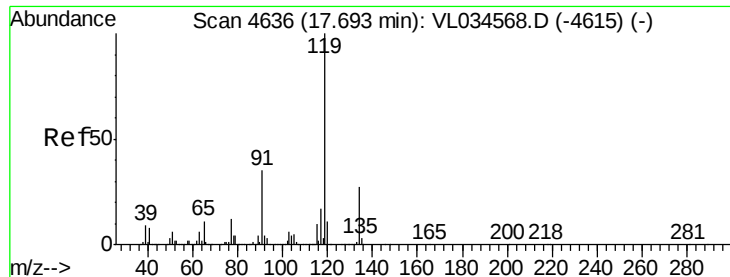
Tgt Ion: 105 Resp: 4409113
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.846 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. -0.00 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Tgt Ion: 95 Resp: 1737233
 Ion Ratio Lower Upper
 95 100
 174 65.6 52.3 78.5
 175 4.8 3.8 5.6





#69

p-Isopropyltoluene

Concen: 11.320 ppbv

RT: 17.69 min Scan# 4634

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

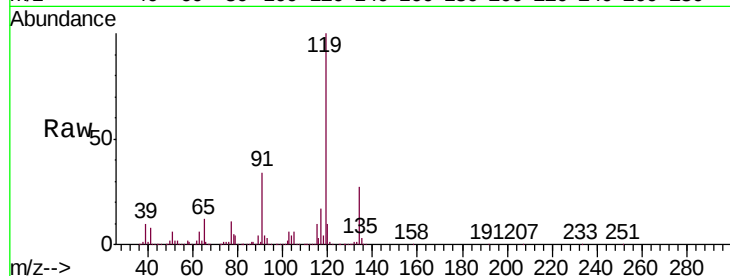
Tgt Ion:119 Resp: 3678059

Ion Ratio Lower Upper

119 100

134 26.1 20.7 31.1

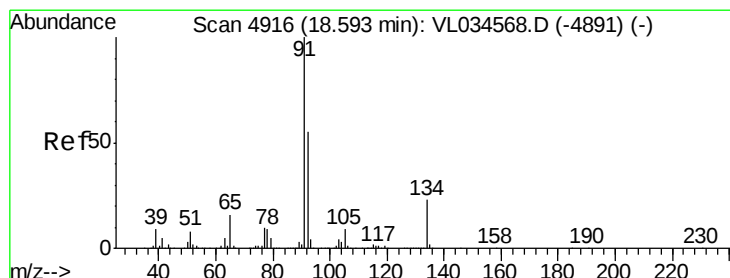
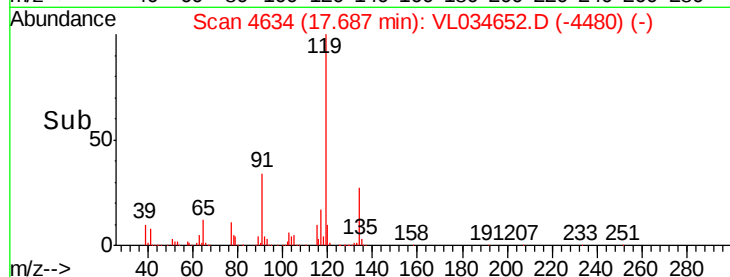
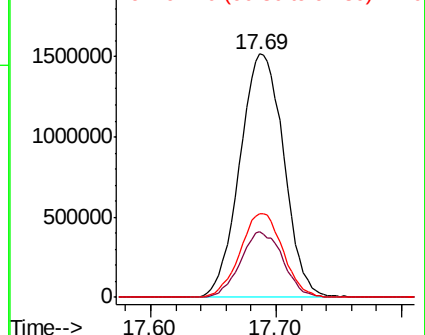
91 33.8 26.9 40.3



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 11.300 ppbv

RT: 18.59 min Scan# 4914

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

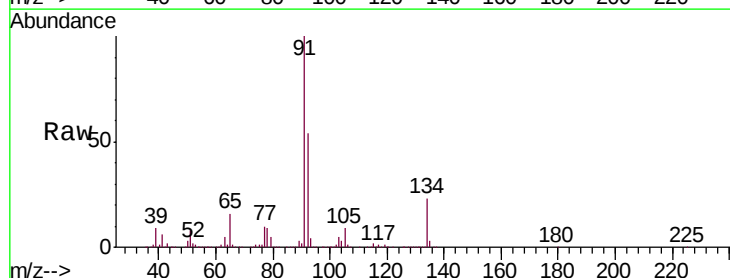
Tgt Ion: 91 Resp: 3897100

Ion Ratio Lower Upper

91 100

92 53.9 43.6 65.4

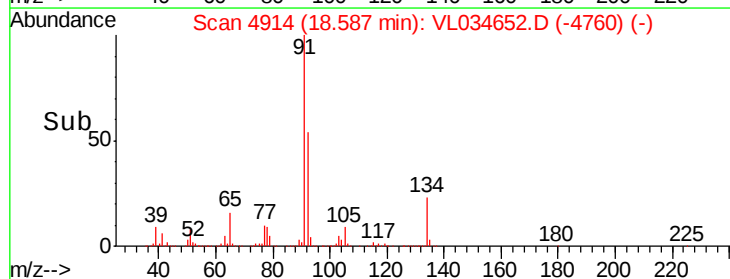
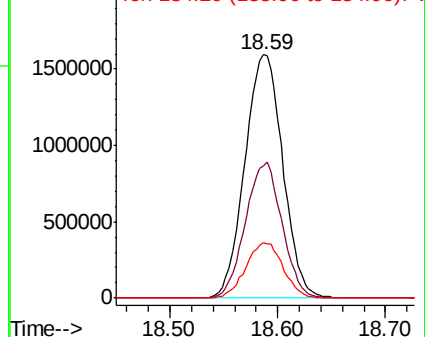
134 22.4 18.2 27.4

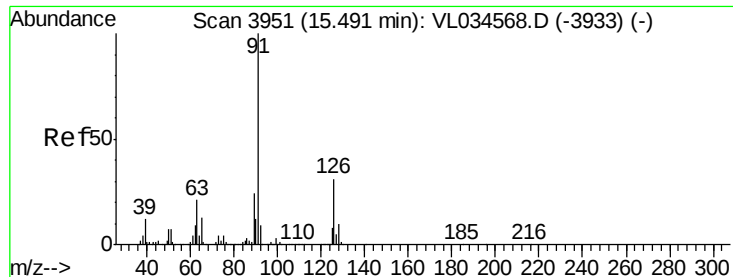


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

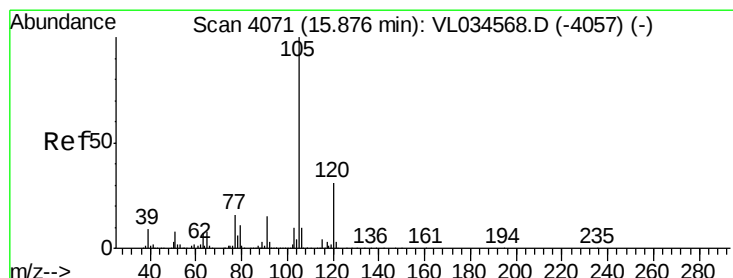
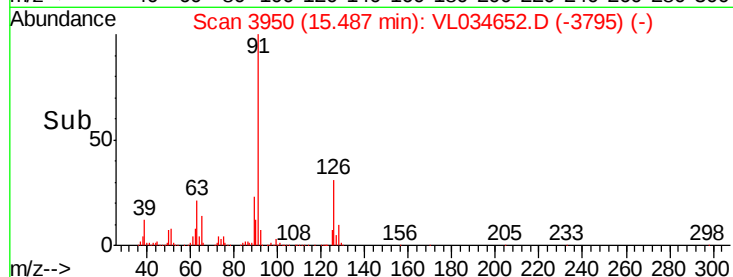
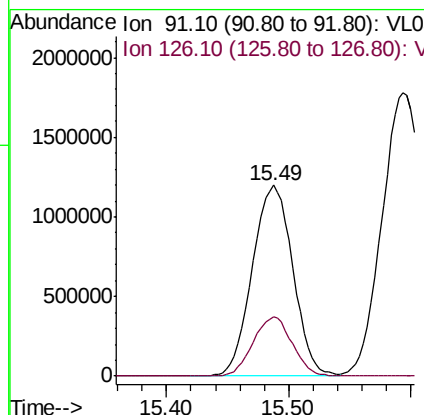
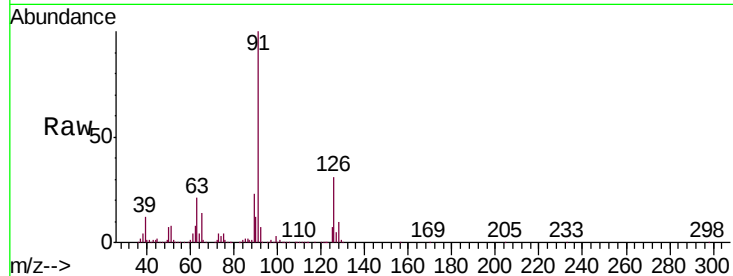




#71
 2-Chlorotoluene
 Concen: 11.305 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

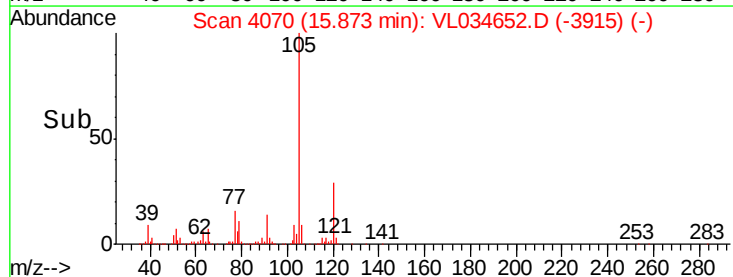
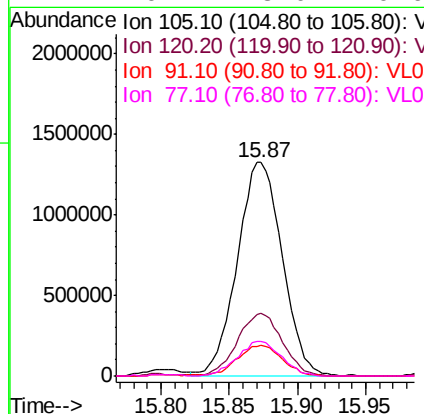
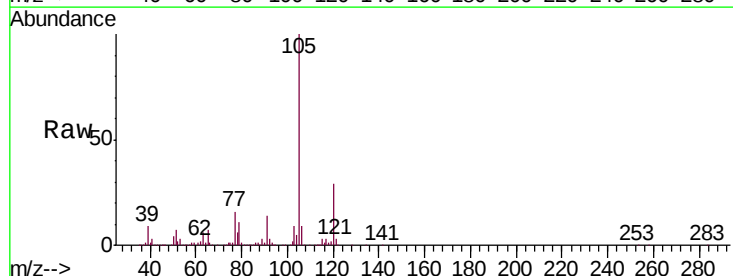
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

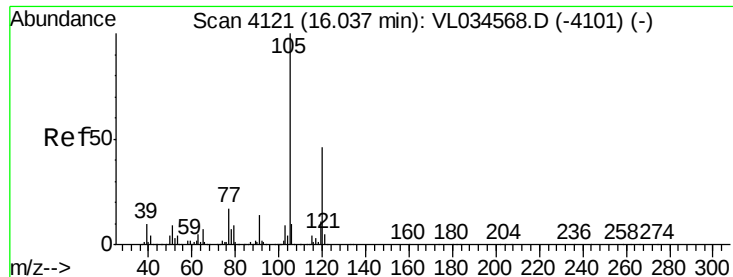
Tgt Ion: 91 Resp: 2757802
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 11.066 ppbv
 RT: 15.87 min Scan# 4070
 Delta R.T. -0.00 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Tgt Ion: 105 Resp: 3014750
 Ion Ratio Lower Upper
 105 100
 120 29.6 23.8 35.6
 91 14.5 11.8 17.8
 77 16.4 13.0 19.6





#73

1,3,5-Trimethylbenzene

Concen: 11.051 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

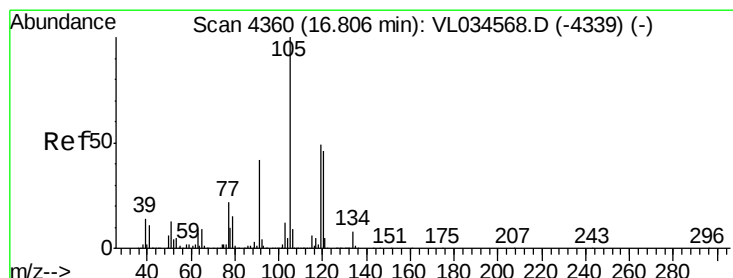
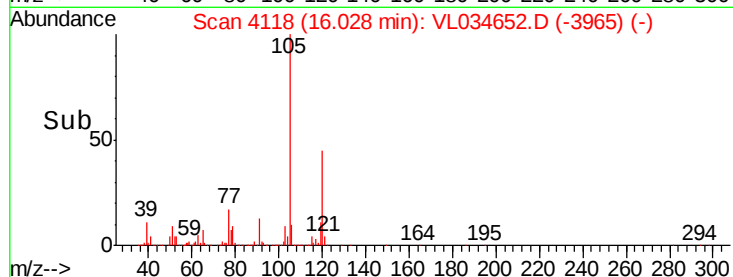
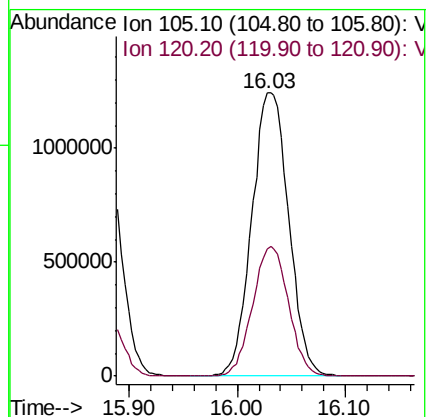
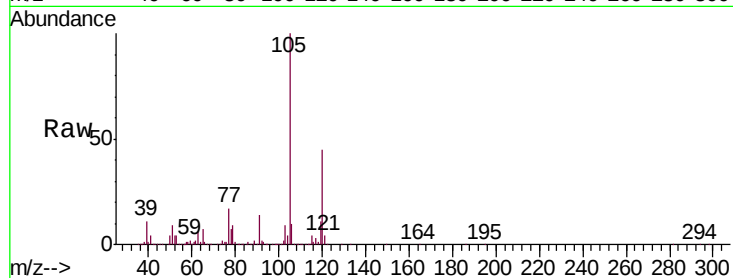
VL0219ABS01

Tgt Ion:105 Resp: 2941884

Ion Ratio Lower Upper

105 100

120 44.9 37.0 55.6



#74

1,2,4-Trimethylbenzene

Concen: 10.565 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Tgt Ion:105 Resp: 3113313

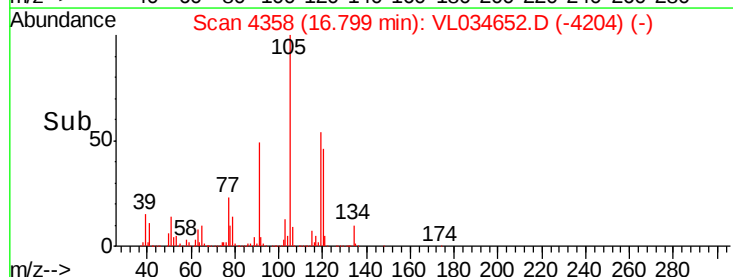
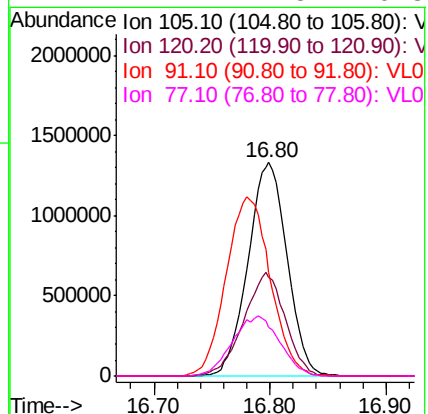
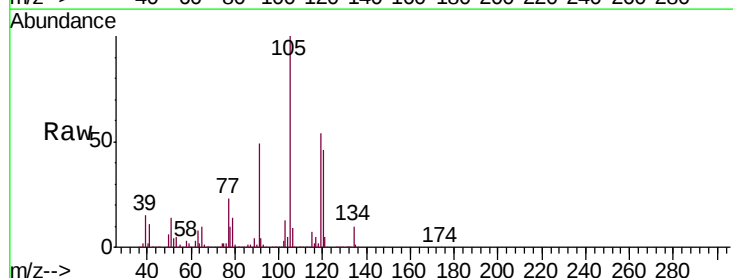
Ion Ratio Lower Upper

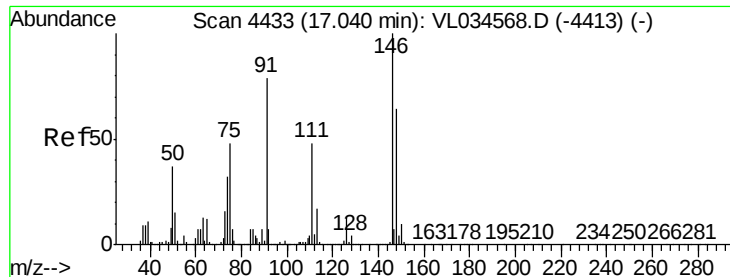
105 100

120 45.8 37.1 55.7

91 48.6 34.3 51.5

77 22.4 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 10.202 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

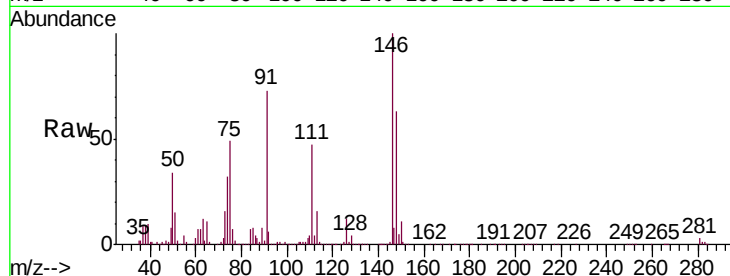
Tgt Ion:146 Resp: 1731149

Ion Ratio Lower Upper

146 100

111 49.3 24.7 74.1

148 65.0 32.8 98.4

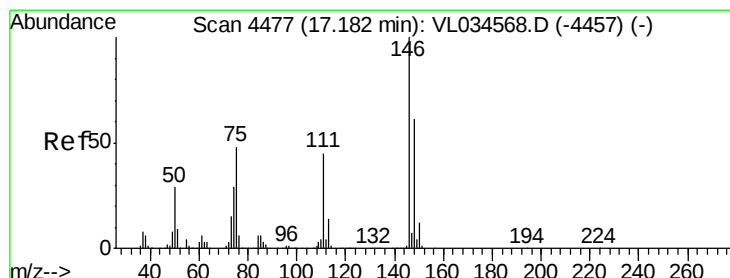
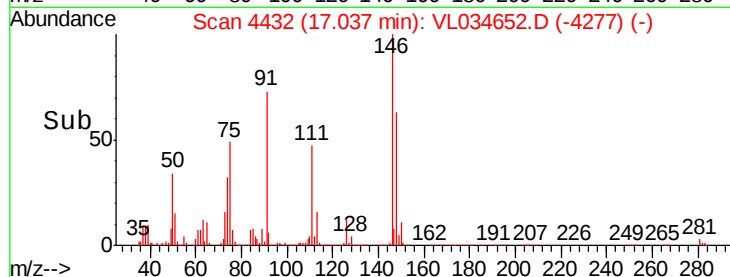
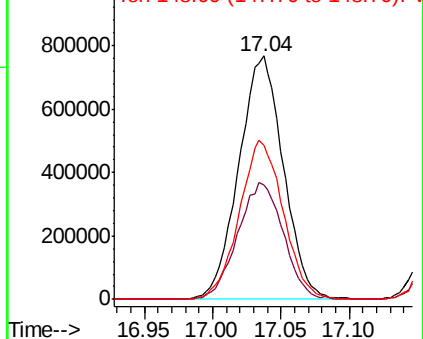


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.171 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. -0.00 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

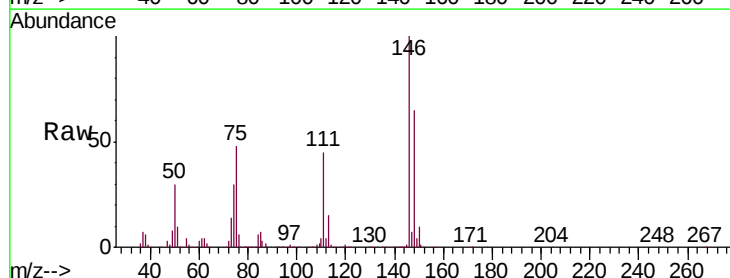
Tgt Ion:146 Resp: 1701004

Ion Ratio Lower Upper

146 100

111 48.5 24.1 72.2

148 65.3 32.6 98.0

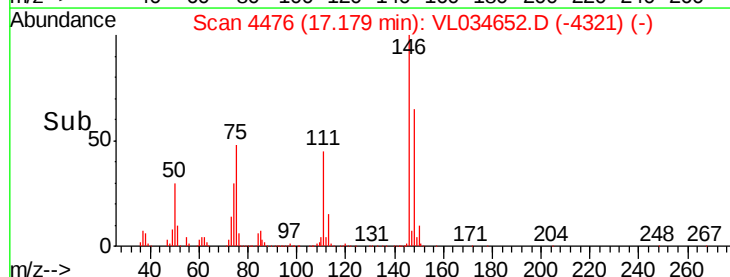
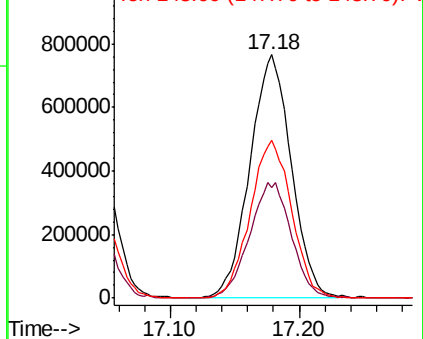


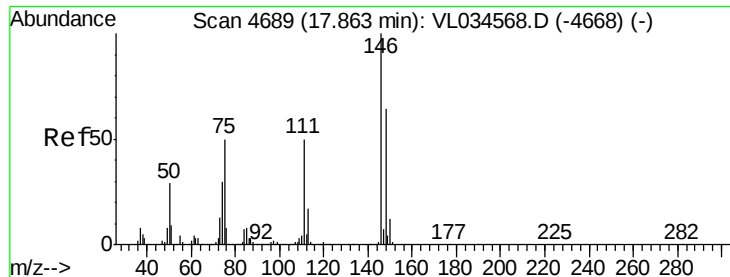
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.331 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

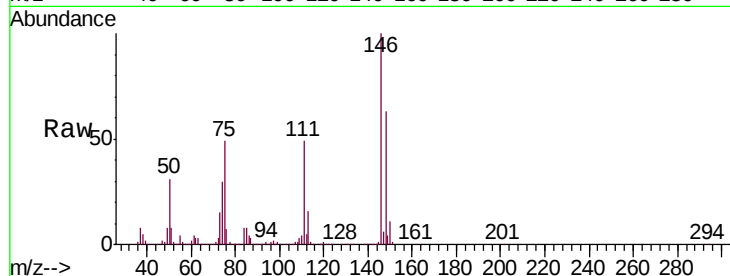
Tgt Ion:146 Resp: 1683930

Ion Ratio Lower Upper

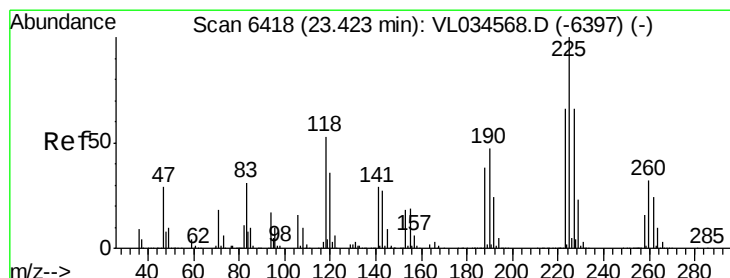
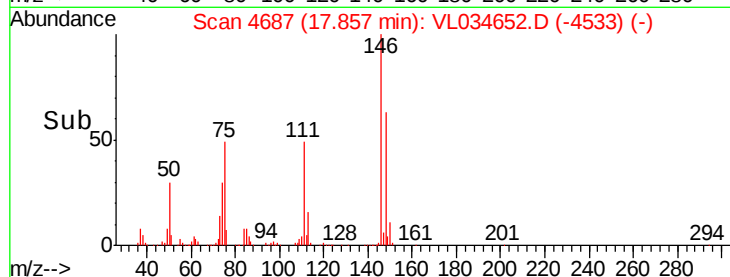
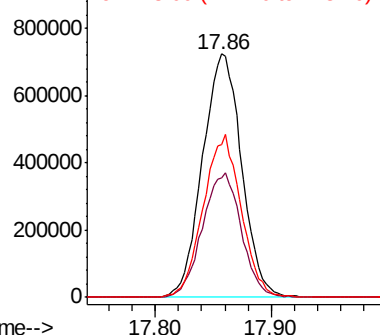
146 100

111 51.2 25.1 75.3

148 65.2 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V
1000000
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.423 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

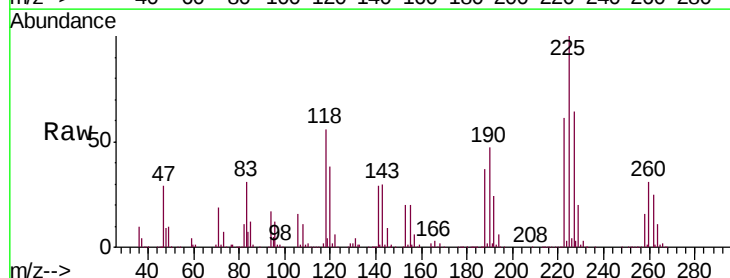
Tgt Ion:225 Resp: 1468820

Ion Ratio Lower Upper

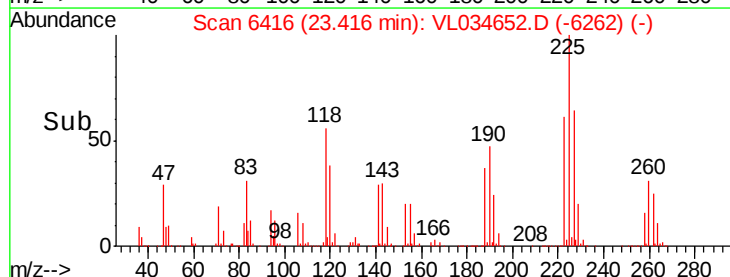
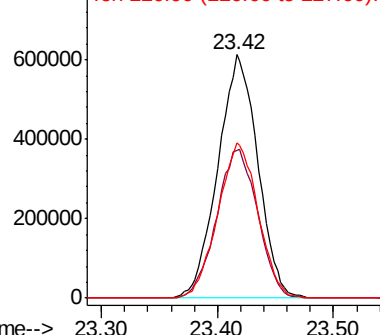
225 100

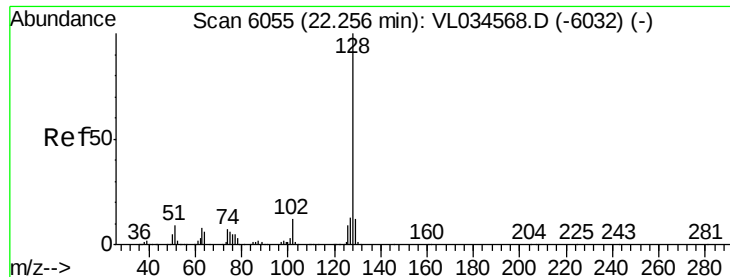
223 62.9 50.9 76.3

227 64.1 51.6 77.4



Abundance Ion 224.90 (224.60 to 225.60): V
800000
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.846 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

Instrument :

MSVOA_L

ClientSampleId :

VL0219ABS01

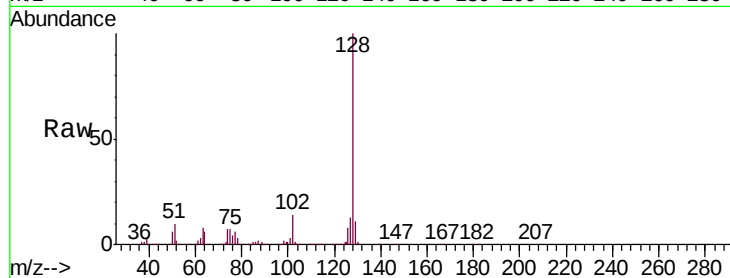
Tgt Ion:128 Resp: 2516411

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

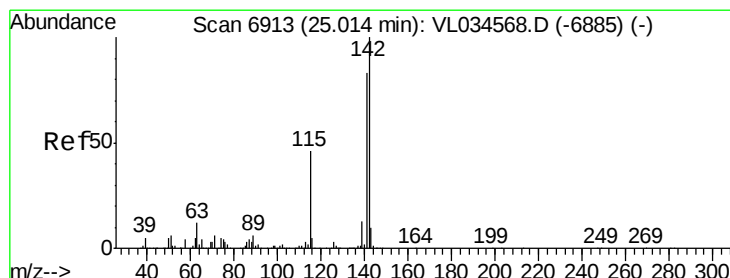
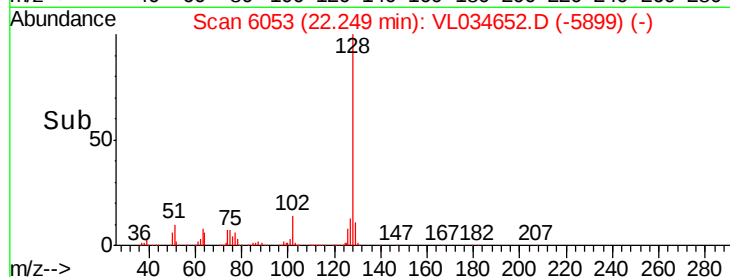
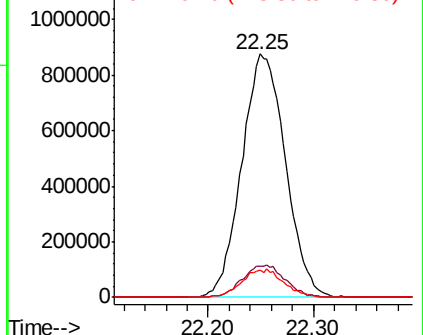
129 11.2 9.3 13.9



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: 5.765 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.01 min

Lab File: VL034652.D

Acq: 19 Feb 2020 18:58

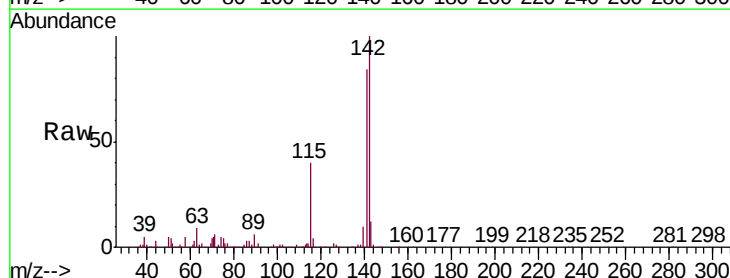
Tgt Ion:142 Resp: 514551

Ion Ratio Lower Upper

142 100

141 84.6 67.0 100.4

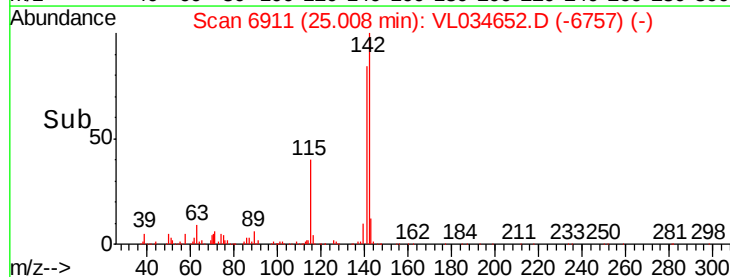
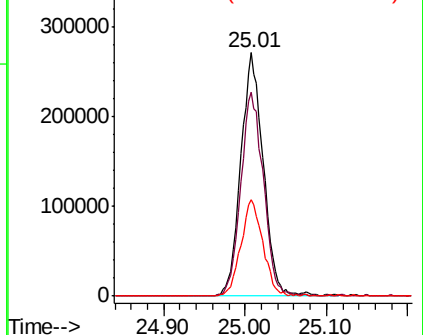
115 38.8 39.5 59.3#

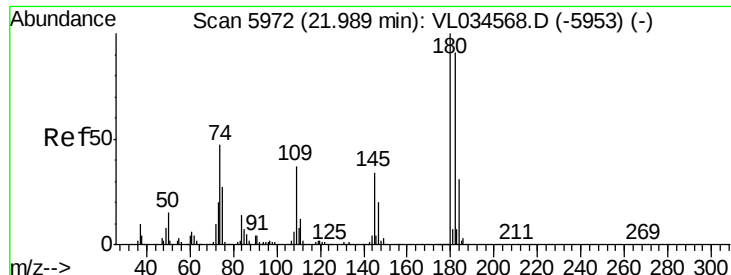


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.226 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.01 min
 Lab File: VL034652.D
 Acq: 19 Feb 2020 18:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0219ABS01

Tgt Ion:180 Resp: 1462636
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.8 116.6
 184 30.5 25.4 38.0

