

Data File : VL034186.D
Acq On : 18 Sep 2019 17:07
Operator : SY/AP
Sample : VL0918ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Quant Time: Sep 19 06:50:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1180226	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2028421	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2585210	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1842353	8.20	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1365382	7.832	ppbv	99
3) Chlorodifluoromethane	2.97	51	1274435	9.210	ppbv	100
4) Chloromethane	3.13	50	767365	9.436	ppbv	98
5) Vinyl Chloride	3.25	62	676017	9.096	ppbv	98
6) Bromomethane	3.47	94	329743	9.510	ppbv	96
7) Chloroethane	3.55	64	244788	9.424	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1401324	9.108	ppbv	98
9) Propene	2.99	41	625503	9.162	ppbv	99
10) Heptane	8.18	43	1663525	9.349	ppbv	100
11) Trichlorofluoromethane	3.95	101	1484340	9.354	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	978084	9.418	ppbv	99
13) Ethanol	3.60	45	135255	8.181	ppbv	95
14) Bromoethene	3.74	108	420196	9.896	ppbv	99
15) Acetone	3.85	43	1269623	8.026	ppbv	100
16) 1,3-Butadiene	3.32	39	677327	9.812	ppbv	97
17) tert-Butyl alcohol	4.30	59	1109222	11.067	ppbv	100
18) 1,1-Dichloroethene	4.29	96	448281	9.897	ppbv	95
19) Isopropyl Alcohol	3.97	45	1013067	10.415	ppbv	100
20) Methylene Chloride	4.35	84	406826	8.920	ppbv	96
21) Allyl Chloride	4.42	41	892901	9.994	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	444965	9.818	ppbv	99
23) Vinyl Acetate	5.10	43	2225364	9.547	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1437011	9.156	ppbv	99
25) Ethyl Acetate	5.70	43	2678448	8.954	ppbv	99
26) Hexane	5.72	57	1126080	9.050	ppbv	99
27) Carbon Disulfide	4.56	76	1204066	10.492	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1750014	9.470	ppbv	100
29) Chloroform	5.79	83	1670045	9.392	ppbv	100
30) Cyclohexane	7.18	84	851739	9.481	ppbv	100
31) cis-1,2-Dichloroethene	5.58	61	1210236	9.541	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1585124	9.244	ppbv	99
34) 2-Butanone	5.27	43	1860578	8.983	ppbv	99
35) Carbon Tetrachloride	7.07	117	1581840	9.387	ppbv	99
36) Benzene	6.94	78	2073555	9.256	ppbv	99
37) 1,2-Dichloroethane	6.35	62	1503983	9.439	ppbv	100
38) Trichloroethene	7.89	130	684281	8.549	ppbv	98
39) 1,2-Dichloropropane	7.67	63	910334	9.044	ppbv	97
40) 1,4-Dioxane	7.88	88	297125	9.122	ppbv #	94
41) Tetrahydrofuran	6.08	42	1114627	9.555	ppbv	99
42) Bromodichloromethane	7.85	83	1836283	9.602	ppbv #	99
43) Methyl Methacrylate	8.07	69	908132	9.813	ppbv	99

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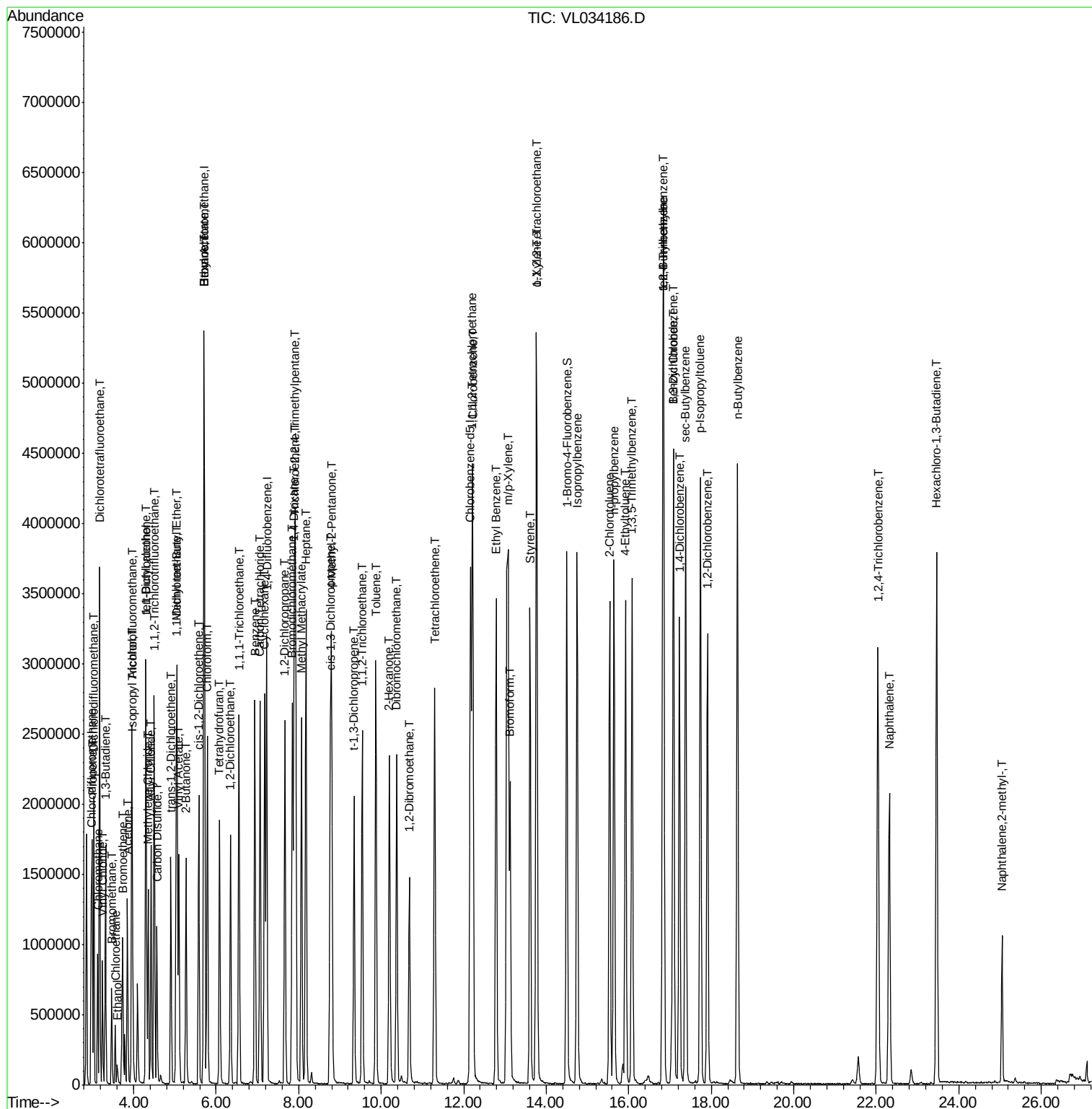
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3838450	8.900	ppbv	100
45) t-1,3-Dichloropropene	9.34	75	1171484	10.706	ppbv	99
46) cis-1,3-Dichloropropene	8.76	75	1327915	10.088	ppbv	97
47) 1,1,2-Trichloroethane	9.54	97	822005	9.094	ppbv	96
48) Dibromochloromethane	10.38	129	1365918	9.535	ppbv	100
49) Bromoform	13.12	173	1129401	9.742	ppbv	99
50) 4-Methyl-2-Pentanone	8.80	43	2742158	9.097	ppbv	99
51) 2-Hexanone	10.19	43	2328871	9.206	ppbv	99
52) Tetrachloroethene	11.29	164	624930	8.443	ppbv	96
53) Toluene	9.87	91	2259979	9.230	ppbv	100
54) 1,2-Dibromoethane	10.68	107	1227881	9.135	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	881634	7.647	ppbv	98
57) Chlorobenzene	12.22	112	1590010	7.064	ppbv	97
58) Ethyl Benzene	12.79	91	3082557	7.390	ppbv	98
59) m/p-Xylene	13.07	91	1806384	5.228	ppbv #	1
60) o-Xylene	13.77	91	2495543	7.224	ppbv	100
61) Styrene	13.61	104	1866223	7.541	ppbv	100
62) Isopropylbenzene	14.75	105	3243523	7.253	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1817607	6.416	ppbv	100
64) n-propylbenzene	15.64	120	832467	7.357	ppbv	92
65) tert-Butylbenzene	16.83	119	2731190	6.989	ppbv	99
66) Benzyl Chloride	17.08	91	1241687	8.981	ppbv	99
67) sec-Butylbenzene	17.38	105	3983520	7.129	ppbv	99
69) p-Isopropyltoluene	17.74	119	3195763	7.063	ppbv	100
70) n-Butylbenzene	18.64	91	3660294	6.947	ppbv	99
71) 2-Chlorotoluene	15.54	91	2630755	7.200	ppbv	100
72) 4-Ethyltoluene	15.92	105	2851644	7.306	ppbv	100
73) 1,3,5-Trimethylbenzene	16.08	105	2753081	7.301	ppbv	100
74) 1,2,4-Trimethylbenzene	16.85	105	2749270	6.867	ppbv	97
75) 1,3-Dichlorobenzene	17.09	146	1458700	6.790	ppbv	100
76) 1,4-Dichlorobenzene	17.23	146	1512792	6.876	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1493847	6.871	ppbv	99
78) Hexachloro-1,3-Butadiene	23.47	225	971634	6.747	ppbv	98
79) Naphthalene	22.31	128	2490841	7.067	ppbv	96
80) Naphthalene,2-methyl-	25.05	142	563717	3.439	ppbv	96
81) 1,2,4-Trichlorobenzene	22.04	180	1342689	6.877	ppbv	100

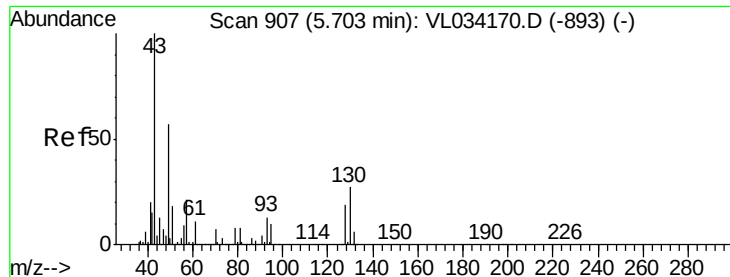
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

VL0918ABS01

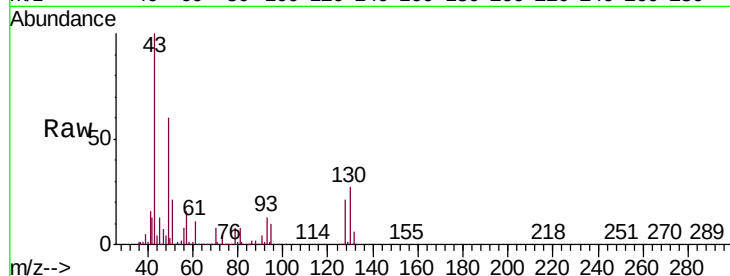
Tgt Ion: 49 Resp: 1180226

Ion Ratio Lower Upper

49 100

128 34.3 17.6 52.9

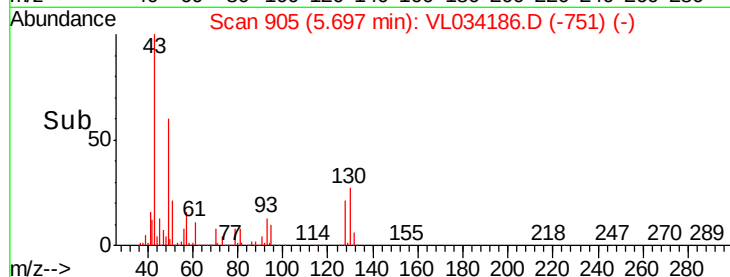
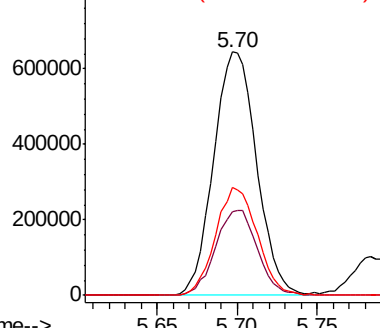
130 43.3 22.3 66.9



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: 7.832 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL034186.D

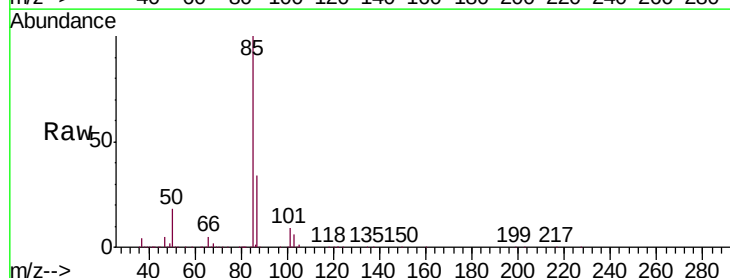
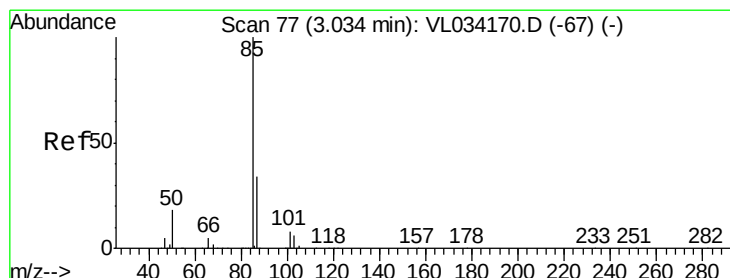
Acq: 18 Sep 2019 17:07

Tgt Ion: 85 Resp: 1365382

Ion Ratio Lower Upper

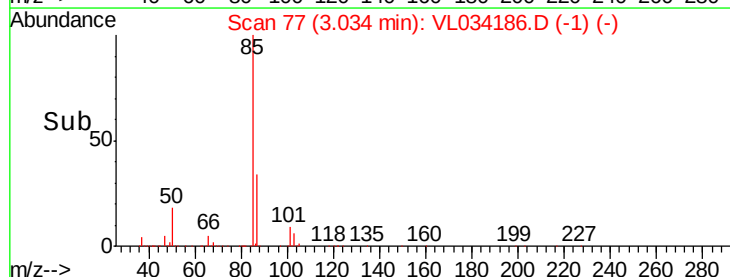
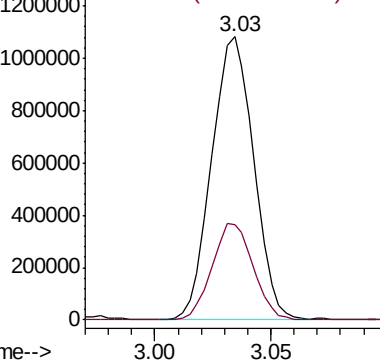
85 100

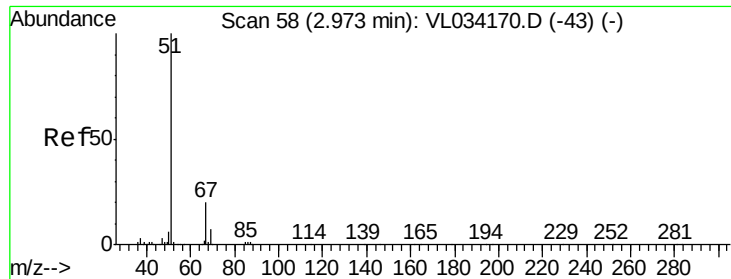
87 33.7 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.210 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

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ClientSampleId :

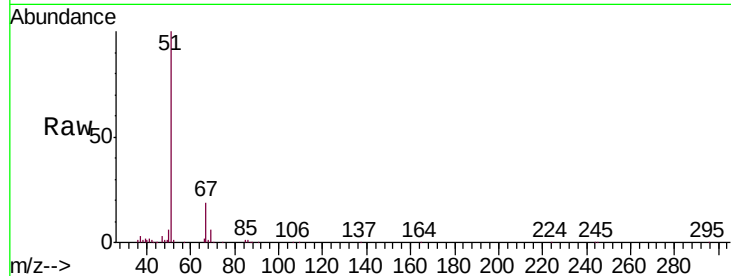
VL0918ABS01

Tgt Ion: 51 Resp: 1274435

Ion Ratio Lower Upper

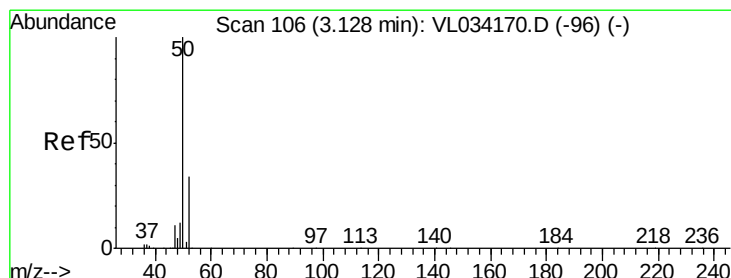
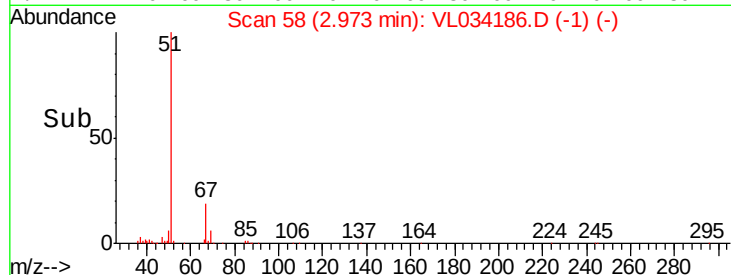
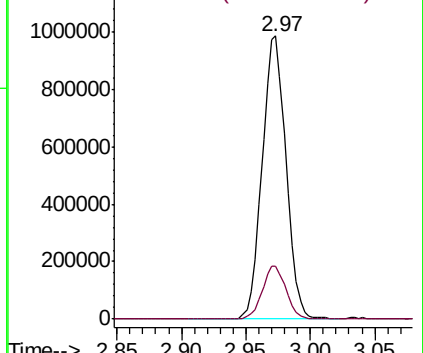
51 100

67 18.5 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.436 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL034186.D

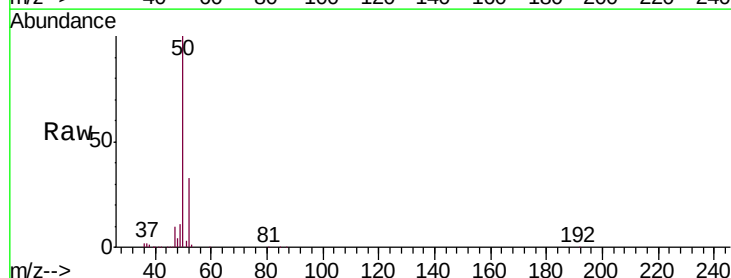
Acq: 18 Sep 2019 17:07

Tgt Ion: 50 Resp: 767365

Ion Ratio Lower Upper

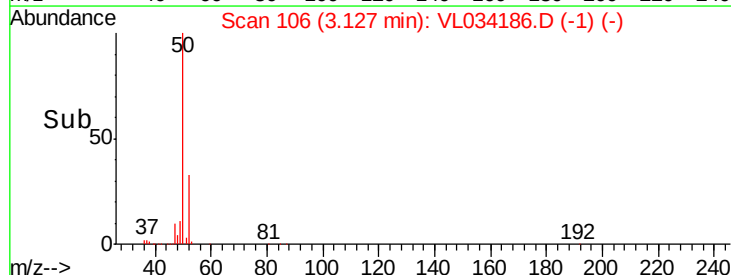
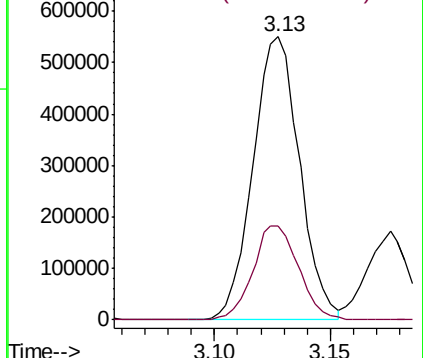
50 100

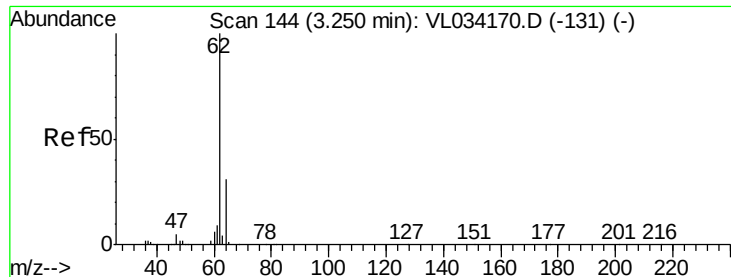
52 33.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.096 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL034186.D

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ClientSampleId :

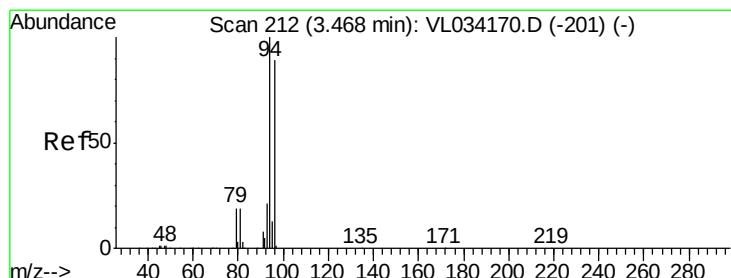
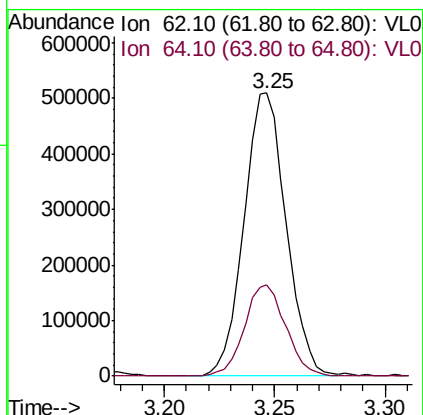
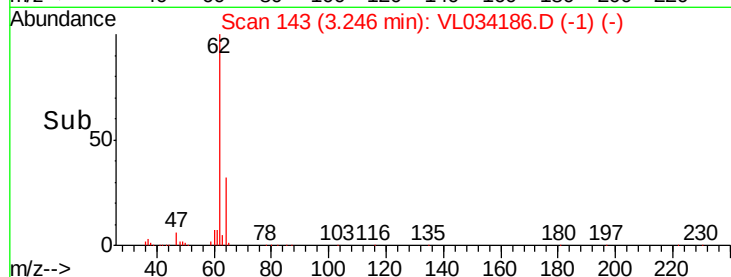
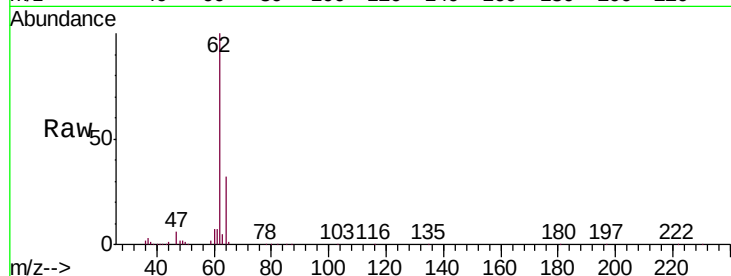
VL0918ABS01

Tgt Ion: 62 Resp: 676017

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8



#6

Bromomethane

Concen: 9.510 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL034186.D

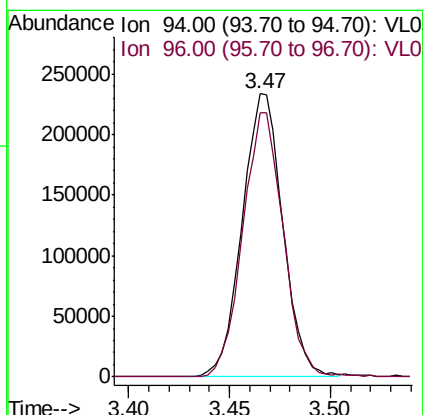
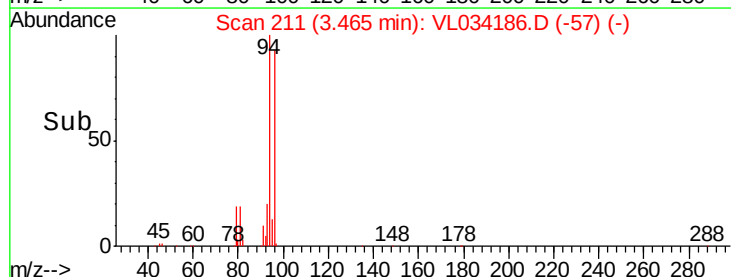
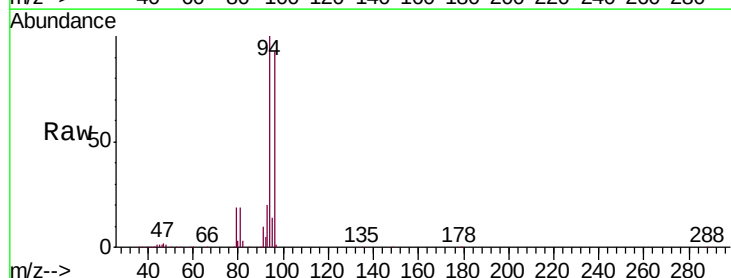
Acq: 18 Sep 2019 17:07

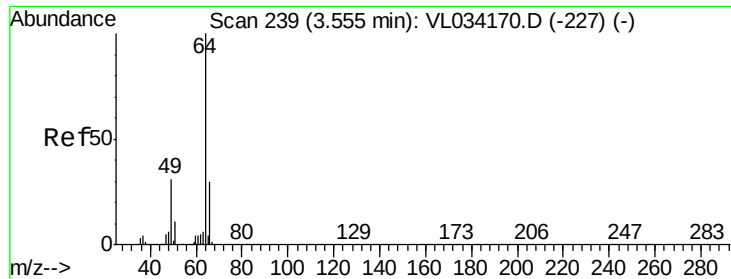
Tgt Ion: 94 Resp: 329743

Ion Ratio Lower Upper

94 100

96 93.1 71.3 106.9





#7

Chloroethane

Concen: 9.424 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

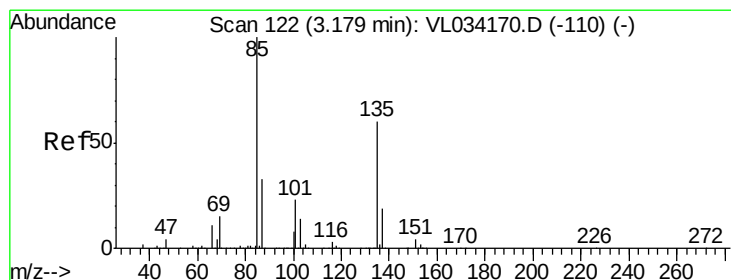
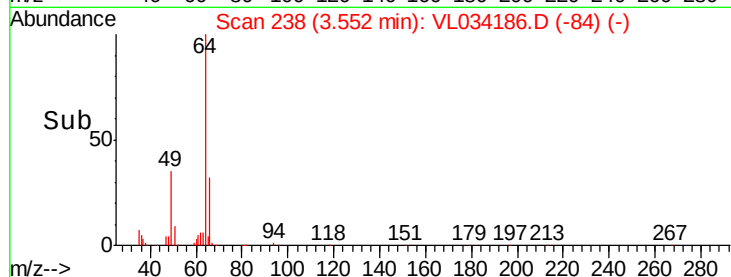
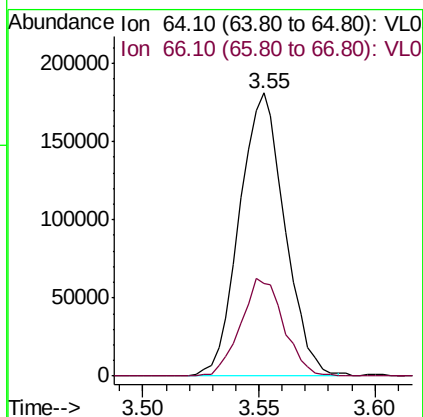
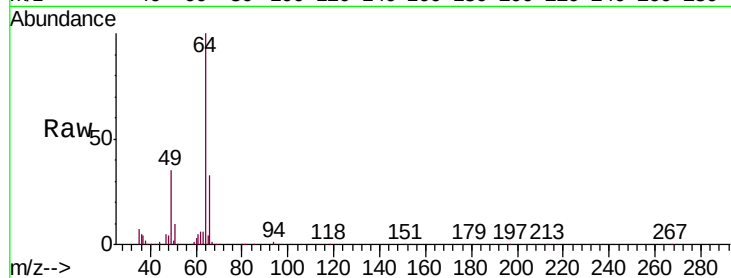
VL0918ABS01

Tgt Ion: 64 Resp: 244788

Ion Ratio Lower Upper

64 100

66 32.9 24.2 36.4



#8

Dichlorotetrafluoroethane

Concen: 9.108 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL034186.D

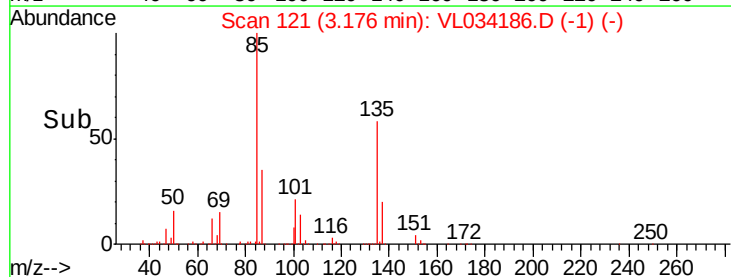
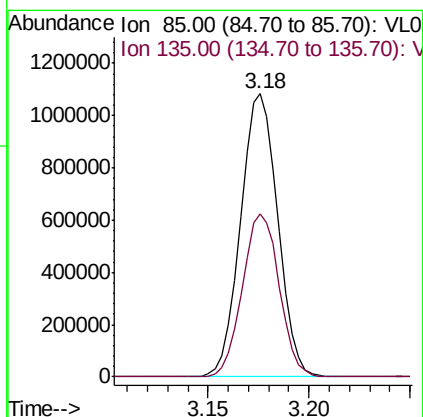
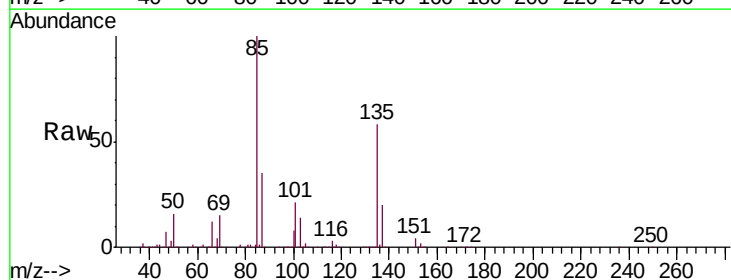
Acq: 18 Sep 2019 17:07

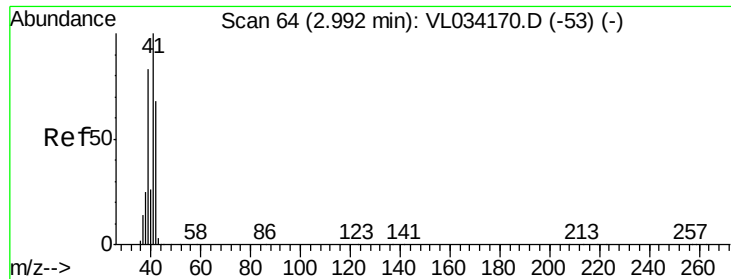
Tgt Ion: 85 Resp: 1401324

Ion Ratio Lower Upper

85 100

135 57.5 47.3 70.9





#9

Propene

Concen: 9.162 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL034186.D

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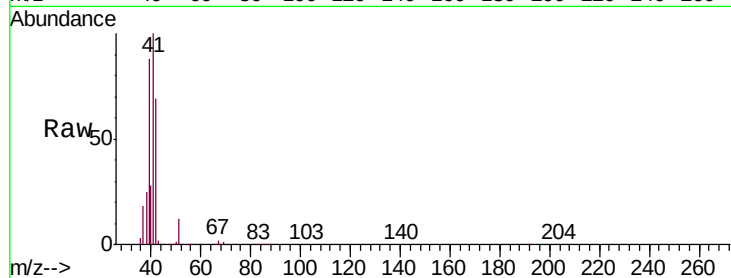
VL0918ABS01

Tgt Ion: 41 Resp: 625503

Ion Ratio Lower Upper

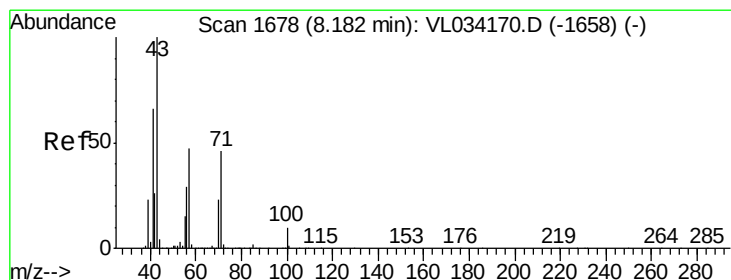
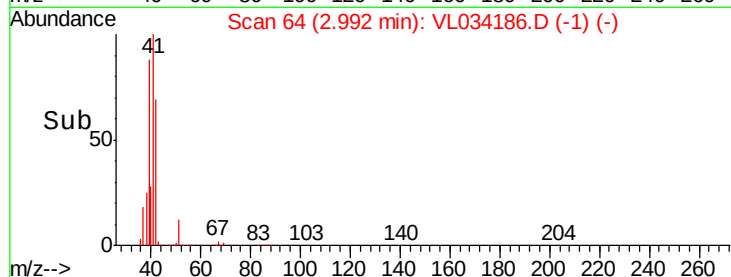
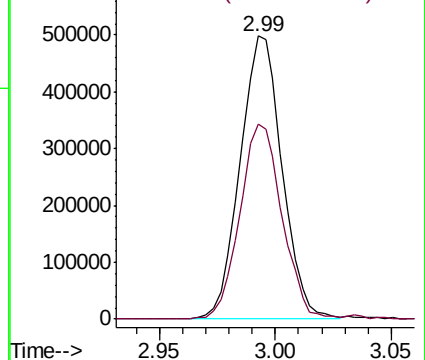
41 100

42 70.4 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.349 ppbv

RT: 8.18 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VL034186.D

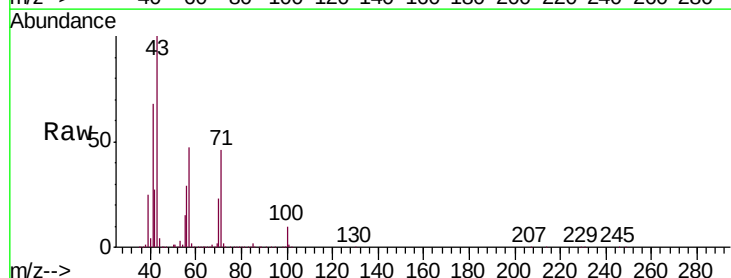
Acq: 18 Sep 2019 17:07

Tgt Ion: 43 Resp: 1663525

Ion Ratio Lower Upper

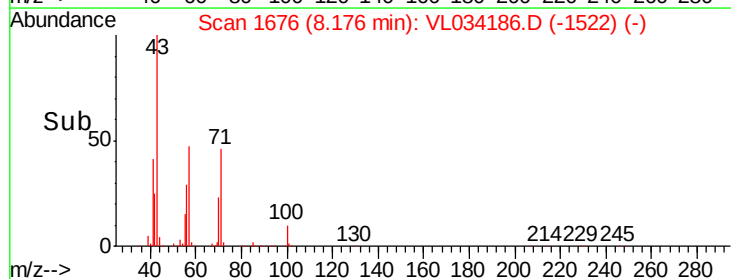
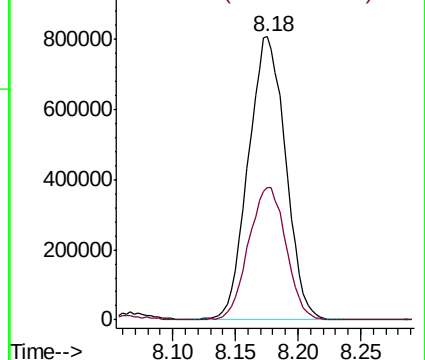
43 100

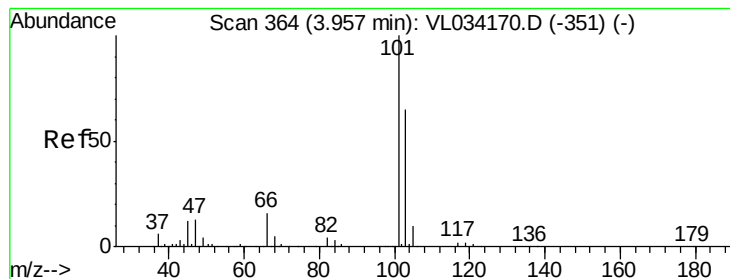
57 47.0 37.5 56.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.354 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

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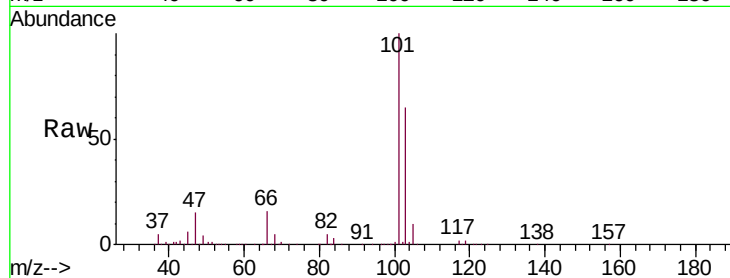
VL0918ABS01

Tgt Ion:101 Resp: 1484340

Ion Ratio Lower Upper

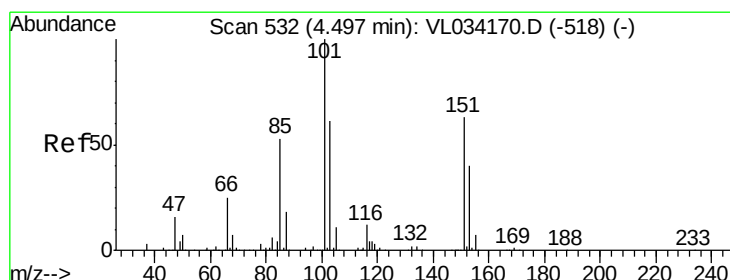
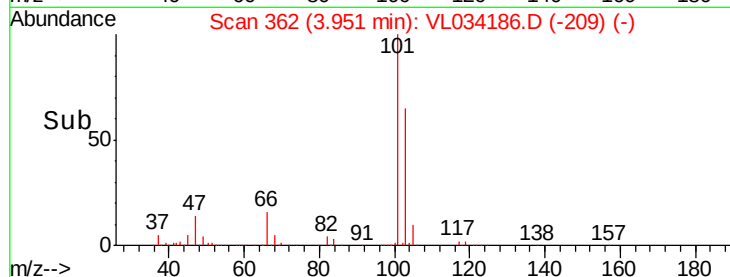
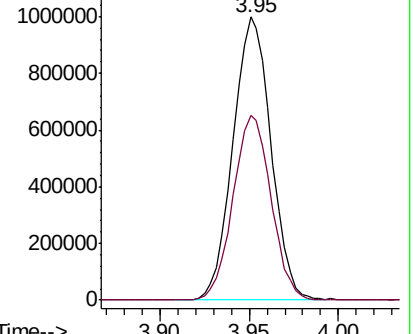
101 100

103 65.5 52.1 78.1



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: 9.418 ppbv

RT: 4.50 min Scan# 532

Delta R.T. -0.00 min

Lab File: VL034186.D

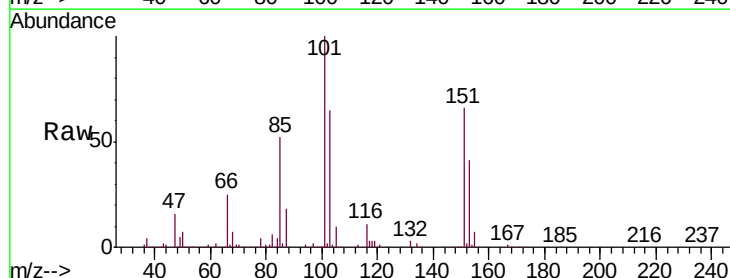
Acq: 18 Sep 2019 17:07

Tgt Ion:101 Resp: 978084

Ion Ratio Lower Upper

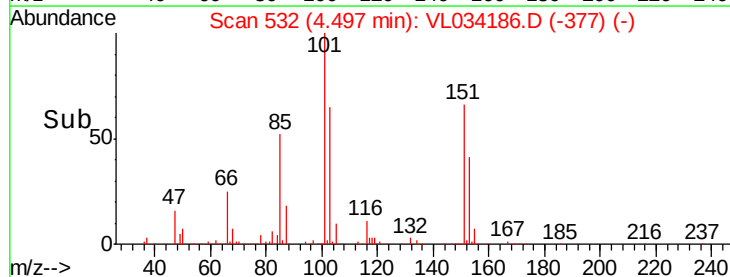
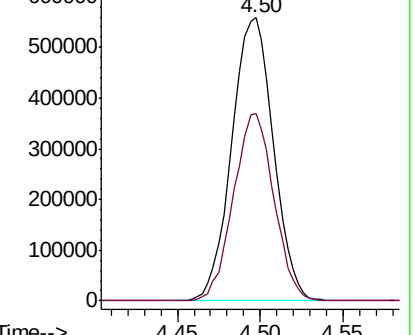
101 100

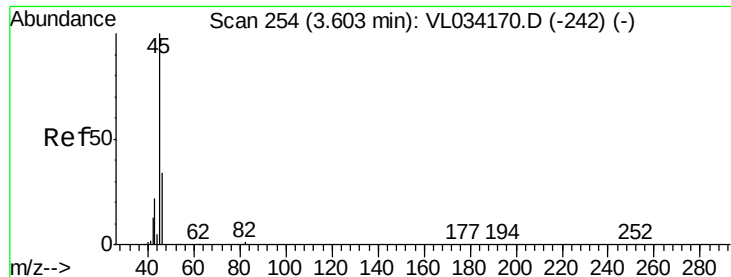
151 64.1 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.181 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

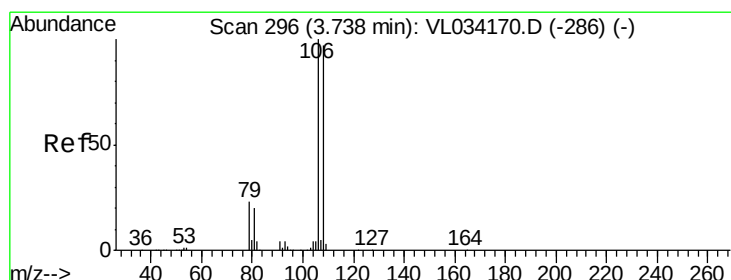
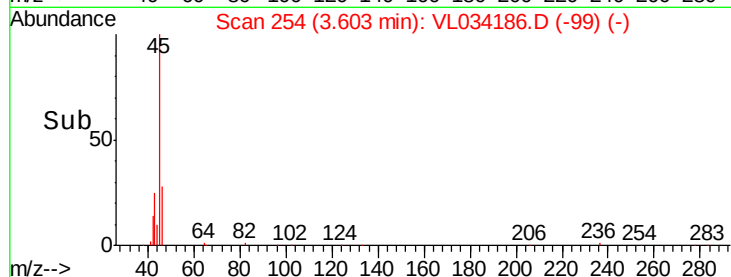
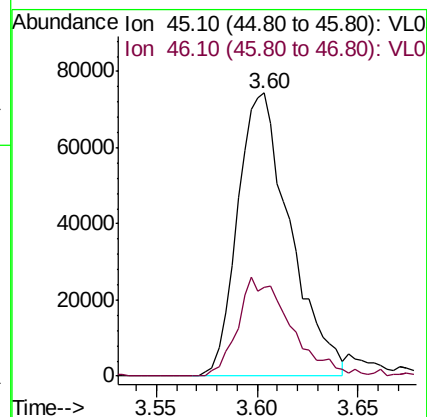
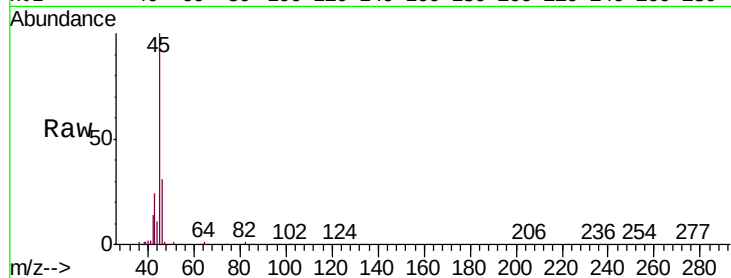
VL0918ABS01

Tgt Ion: 45 Resp: 135255

Ion Ratio Lower Upper

45 100

46 35.6 15.5 61.9



#14

Bromoethene

Concen: 9.896 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

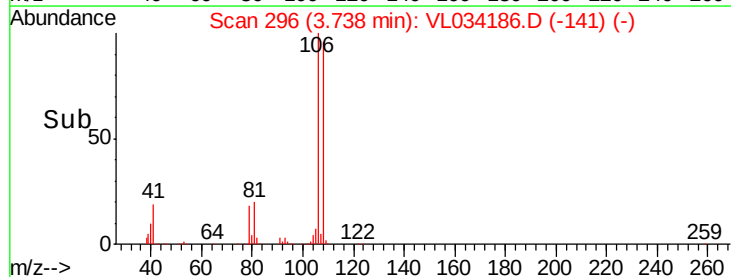
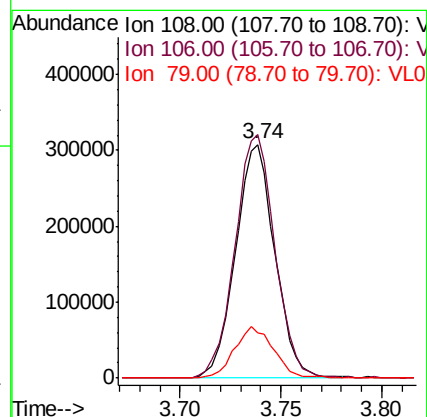
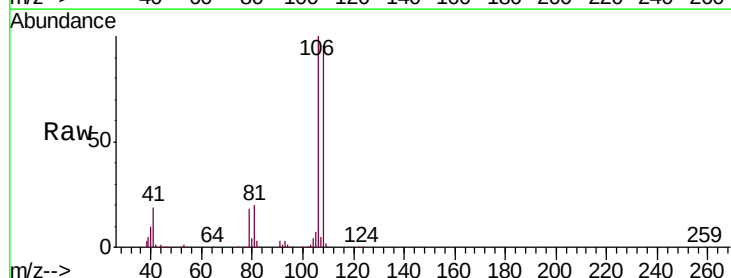
Tgt Ion: 108 Resp: 420196

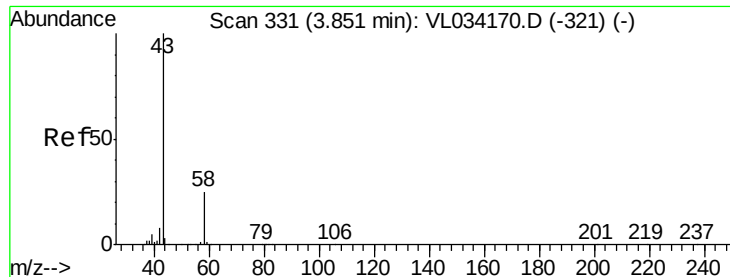
Ion Ratio Lower Upper

108 100

106 106.8 86.2 129.4

79 22.0 18.6 27.8





#15

Acetone

Concen: 8.026 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

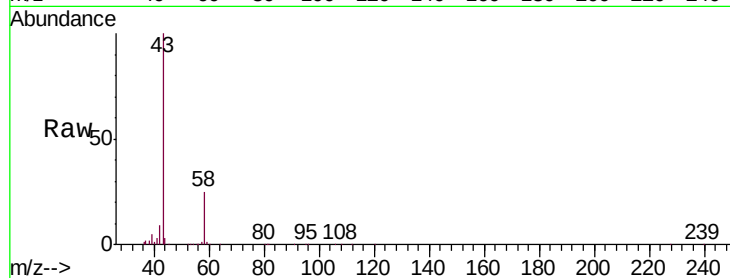
VL0918ABS01

Tgt Ion: 43 Resp: 1269623

Ion Ratio Lower Upper

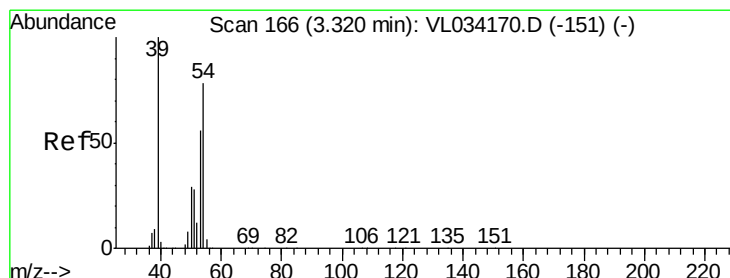
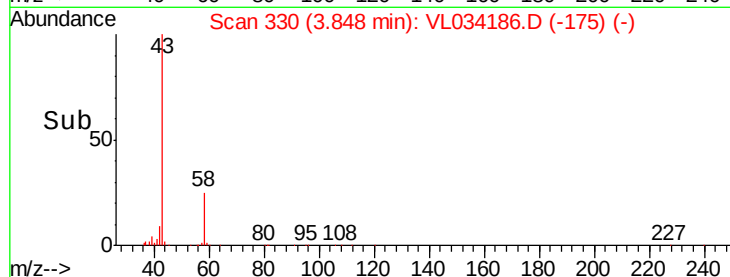
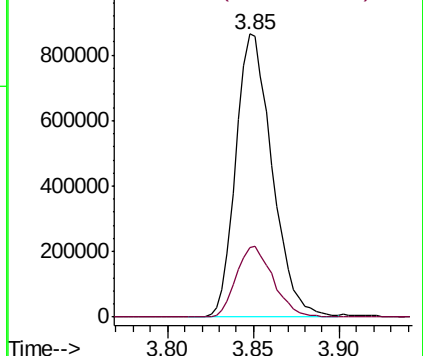
43 100

58 25.6 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.812 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL034186.D

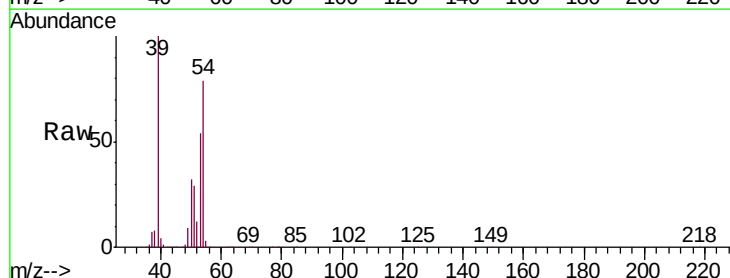
Acq: 18 Sep 2019 17:07

Tgt Ion: 39 Resp: 677327

Ion Ratio Lower Upper

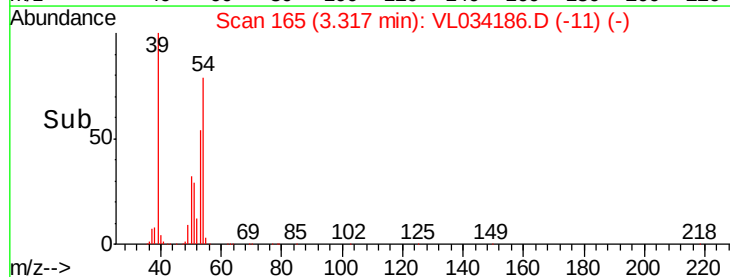
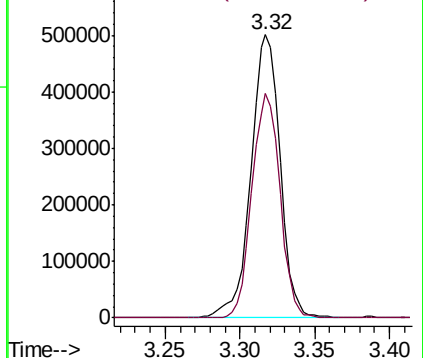
39 100

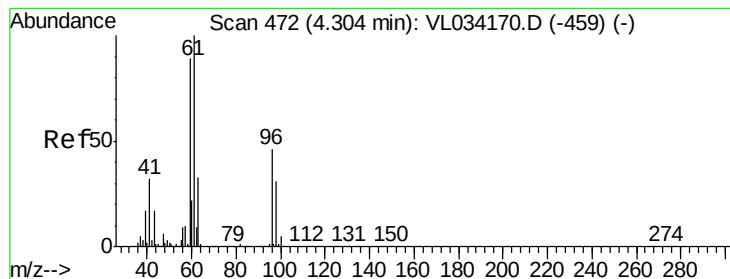
54 76.8 63.4 95.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



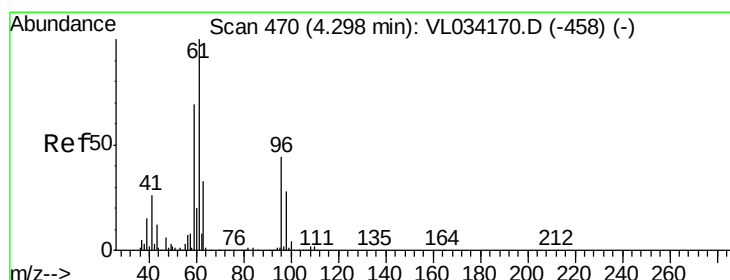
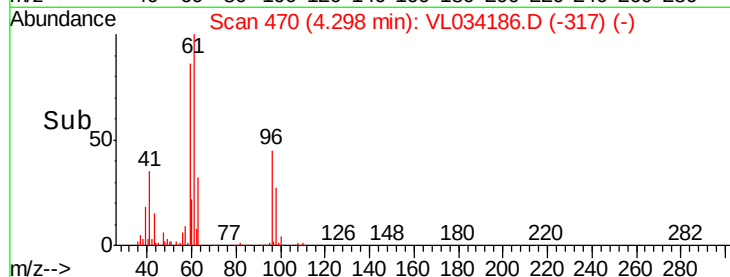
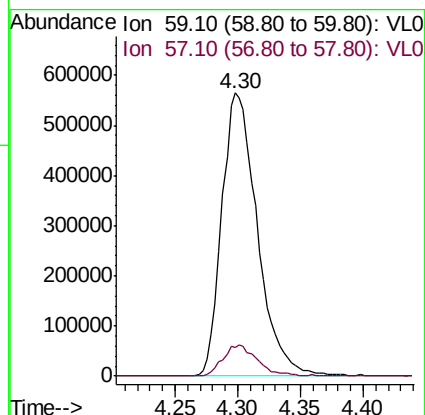
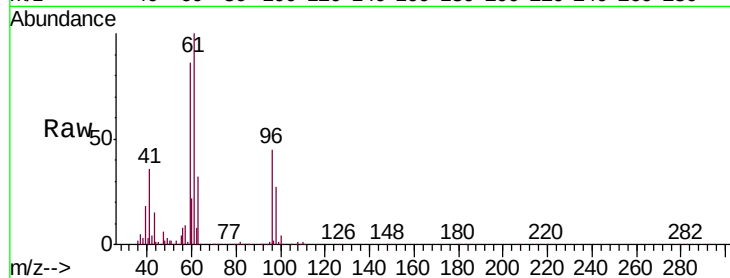


#17

tert-Butyl alcohol
Concen: 11.067 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

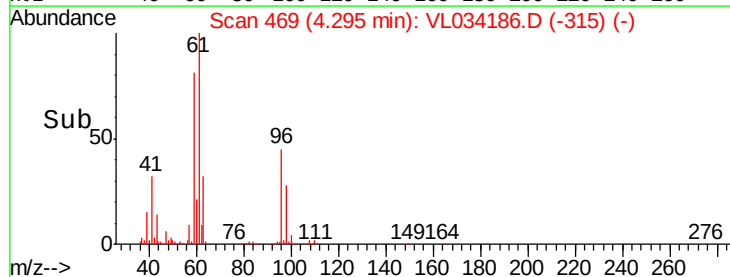
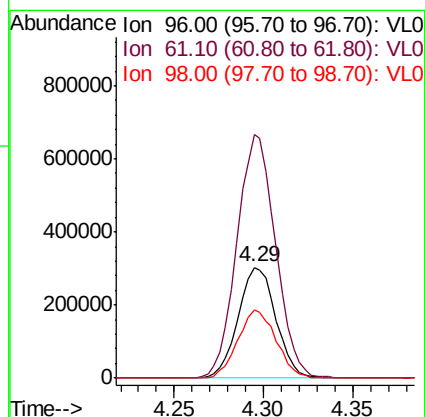
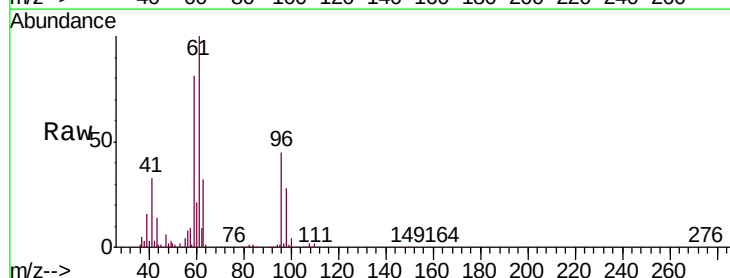
Tgt Ion: 59 Resp: 1109222
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

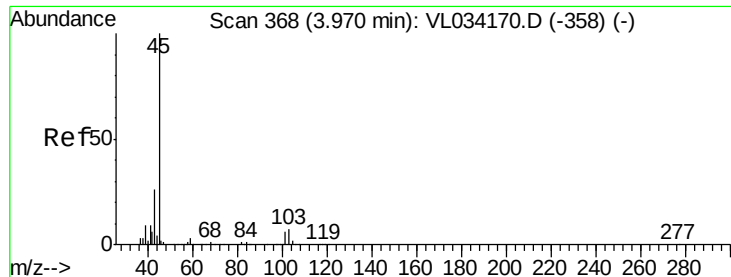


#18

1,1-Dichloroethene
Concen: 9.897 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion: 96 Resp: 448281
Ion Ratio Lower Upper
96 100
61 220.0 183.3 274.9
98 62.1 51.4 77.2





#19

Isopropyl Alcohol

Concen: 10.415 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

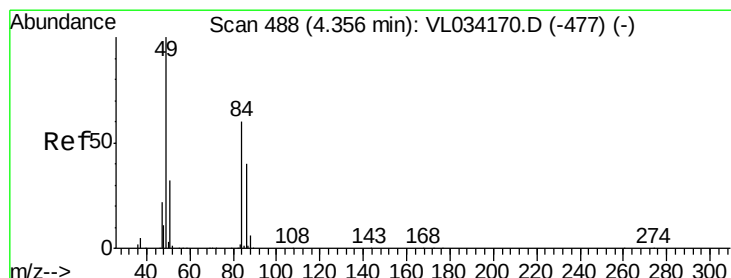
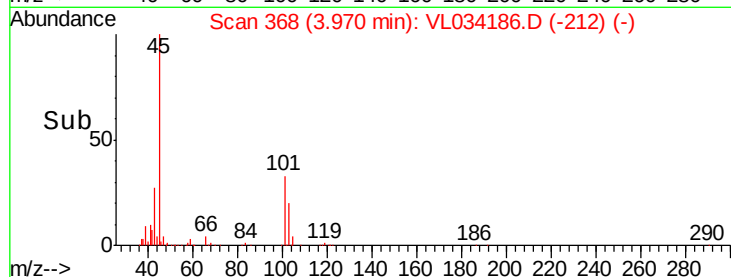
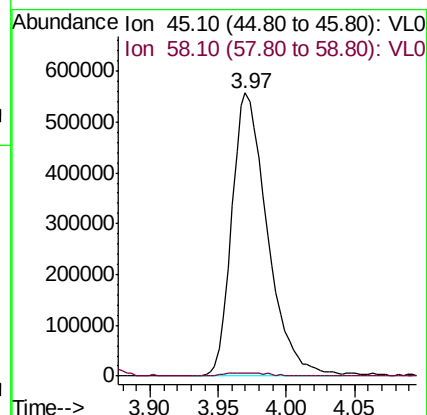
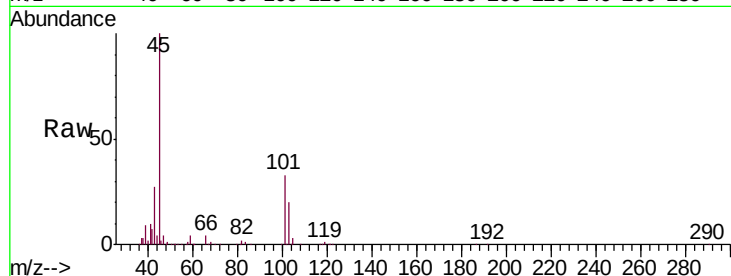
VL0918ABS01

Tgt Ion: 45 Resp: 1013067

Ion Ratio Lower Upper

45 100

58 1.8 1.4 2.0



#20

Methylene Chloride

Concen: 8.920 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tgt Ion: 84 Resp: 406826

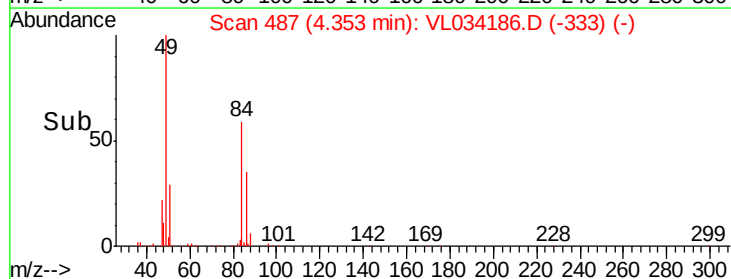
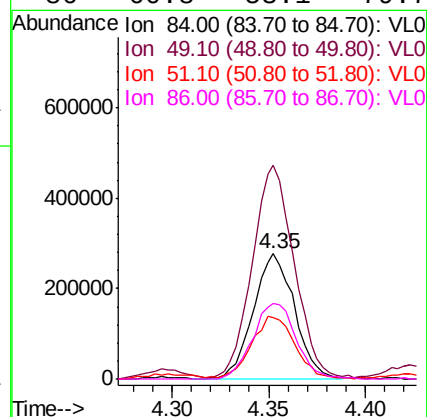
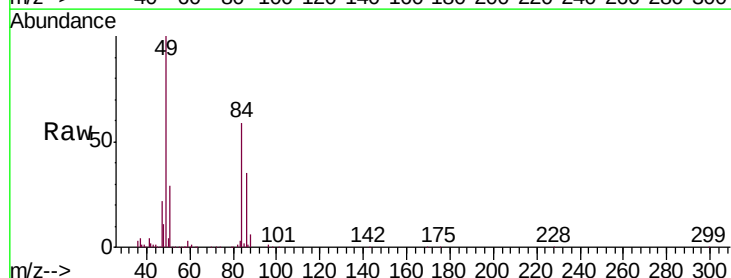
Ion Ratio Lower Upper

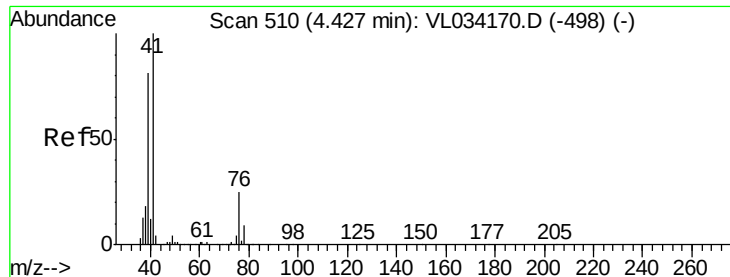
84 100

49 168.9 133.8 200.8

51 48.5 43.6 65.4

86 60.8 53.1 79.7

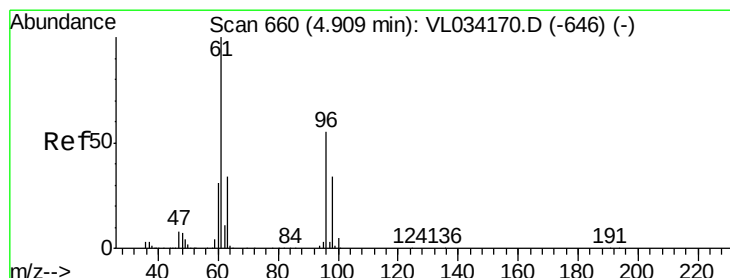
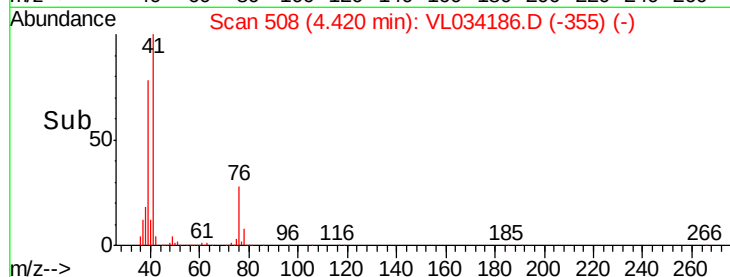
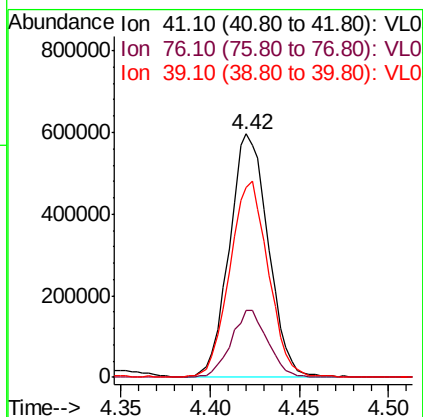
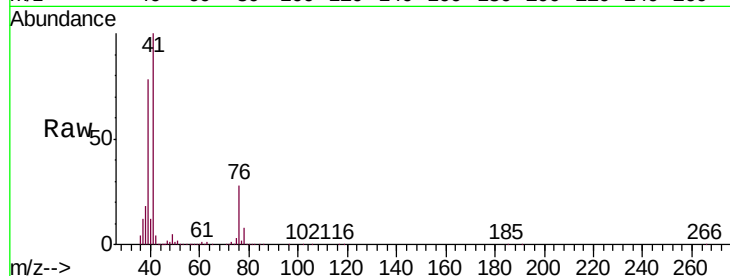




#21
 Allyl Chloride
 Concen: 9.994 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

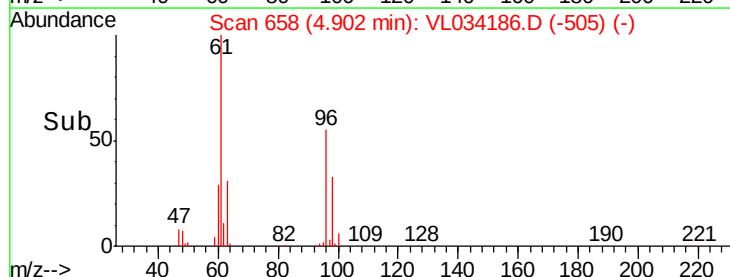
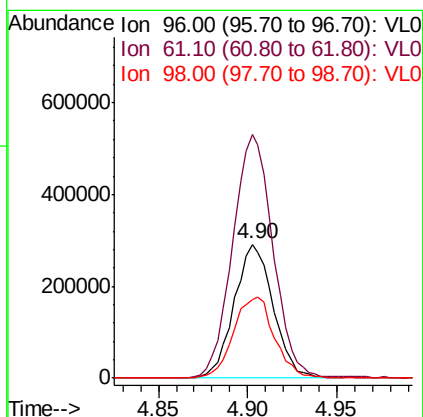
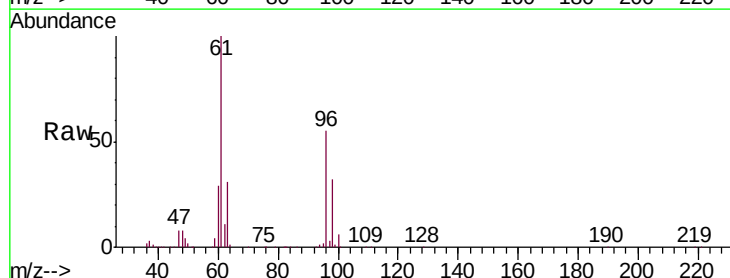
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

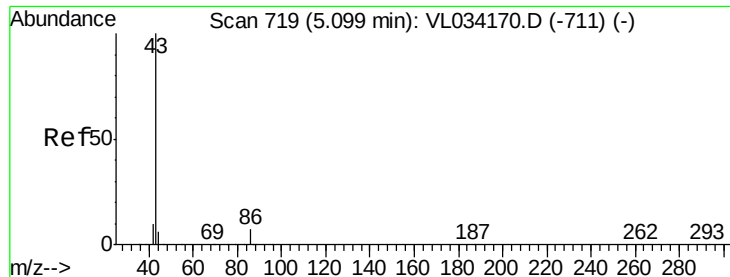
Tgt Ion:	41	Resp:	892901
Ion	Ratio	Lower	Upper
41	100		
76	26.2	21.8	32.6
39	80.7	64.8	97.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.818 ppbv
 RT: 4.90 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion:	96	Resp:	444965
Ion	Ratio	Lower	Upper
96	100		
61	181.9	145.5	218.3
98	58.9	49.9	74.9





#23

Vinyl Acetate

Concen: 9.547 ppbv

RT: 5.10 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tgt Ion: 43 Resp: 2225364

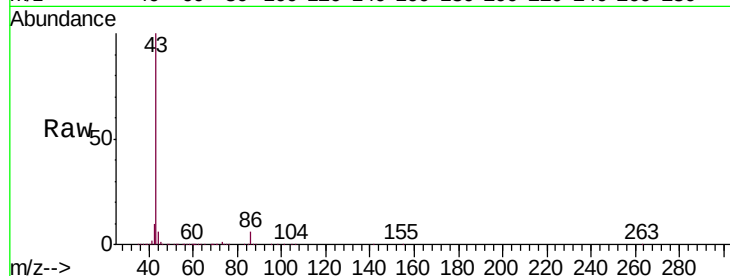
Ion Ratio Lower Upper

43 100

86 6.2 5.1 7.7

42 10.5 8.6 12.8

44 5.3 4.7 7.1

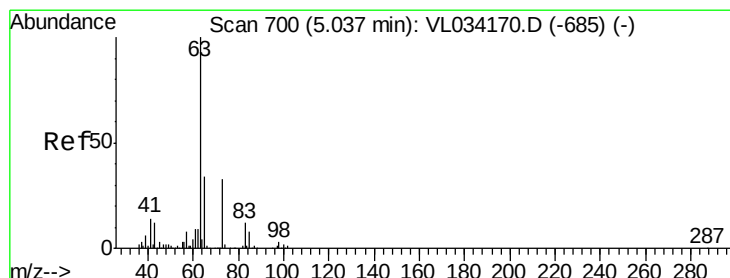
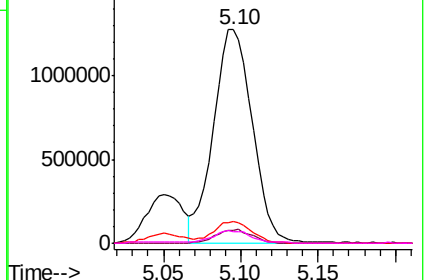
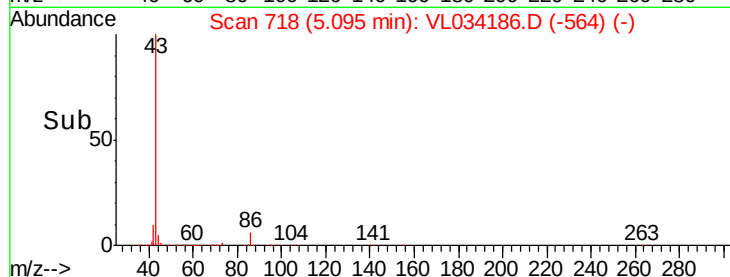


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.156 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

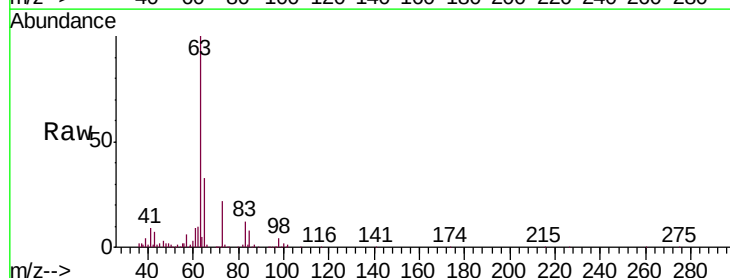
Tgt Ion: 63 Resp: 1437011

Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.3

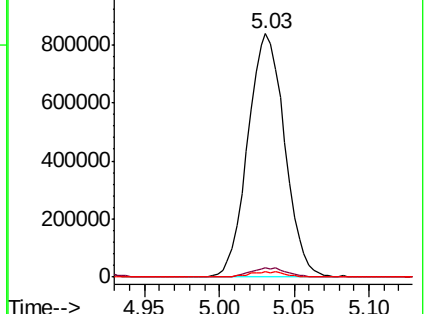
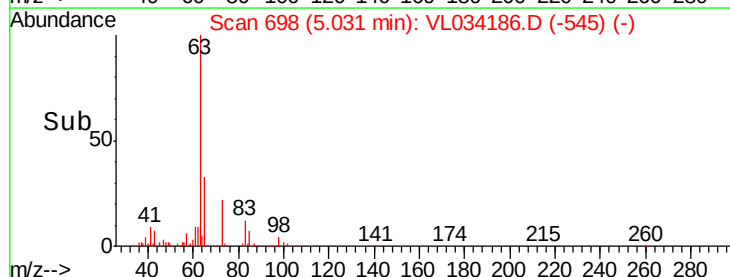
100 2.3 1.0 3.0

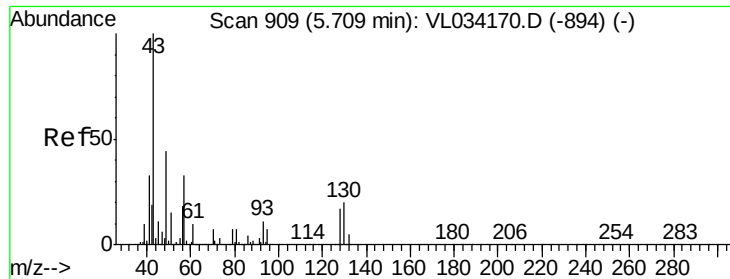


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.954 ppbv

RT: 5.70 min Scan# 907

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tgt Ion: 43 Resp: 2678448

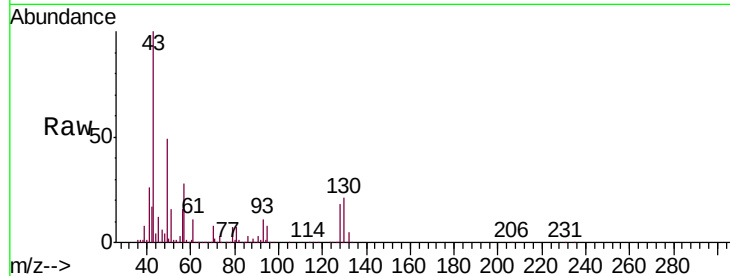
Ion Ratio Lower Upper

43 100

45 10.1 8.4 12.6

61 8.9 7.2 10.8

70 6.7 5.3 7.9



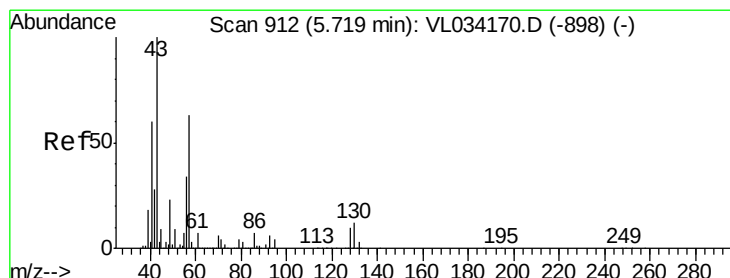
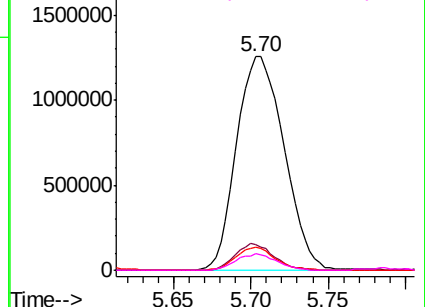
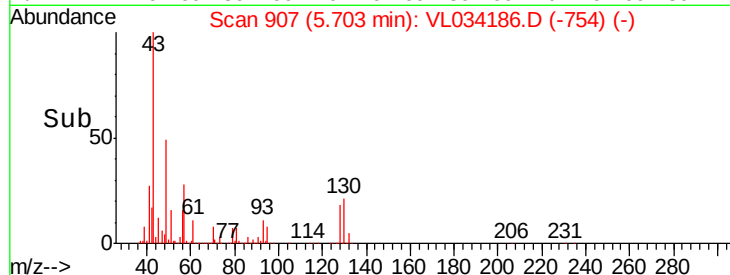
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.050 ppbv

RT: 5.72 min Scan# 911

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tgt Ion: 57 Resp: 1126080

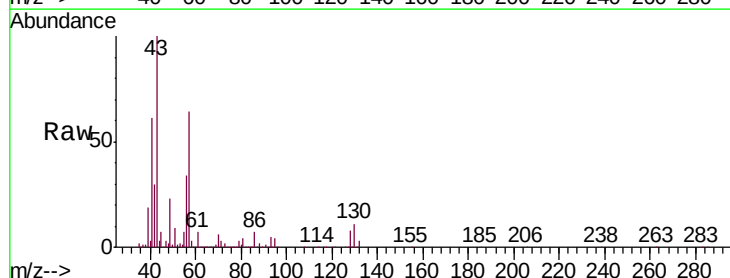
Ion Ratio Lower Upper

57 100

41 98.0 78.5 117.7

43 239.4 189.5 284.3

56 54.6 43.2 64.8



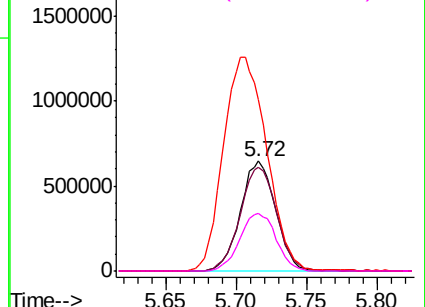
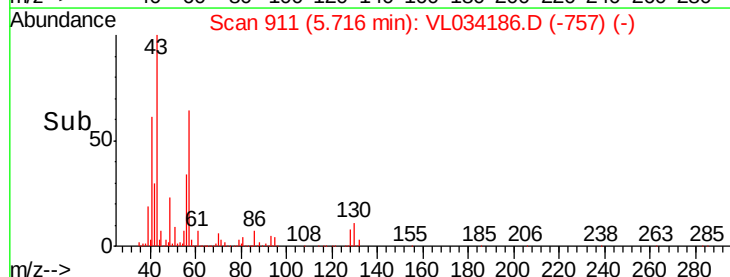
Abundance

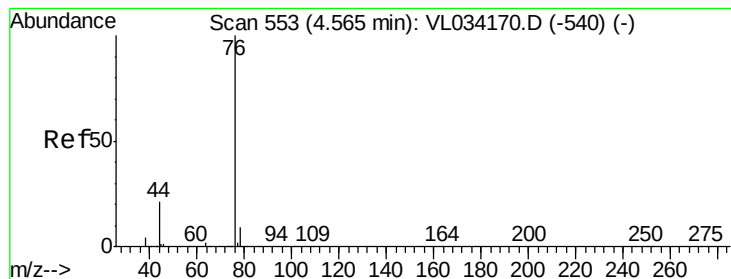
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.492 ppbv

RT: 4.56 min Scan# 553

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

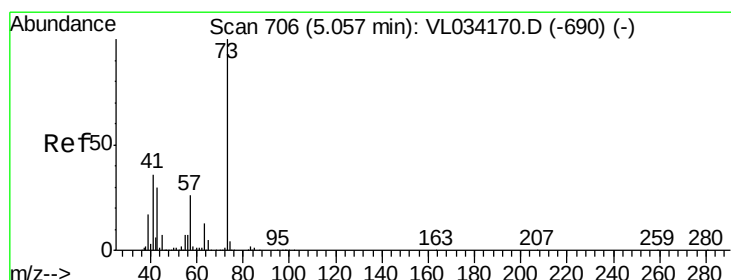
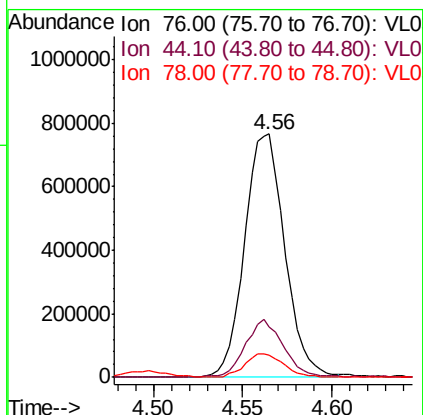
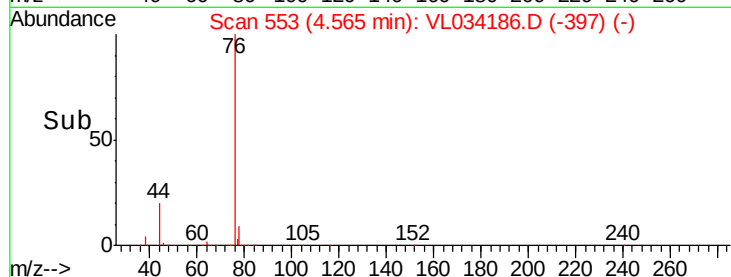
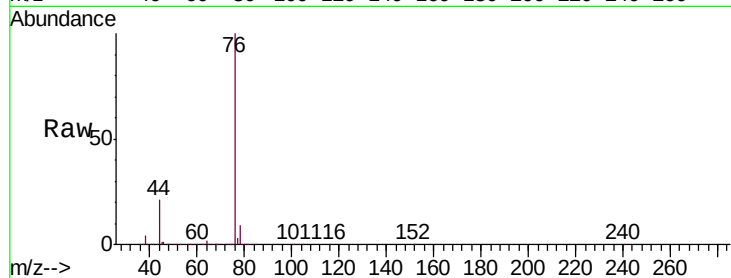
Tgt Ion: 76 Resp: 1204066

Ion Ratio Lower Upper

76 100

44 21.8 17.6 26.4

78 9.4 7.6 11.4



#28

Methyl tert-Butyl Ether

Concen: 9.470 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL034186.D

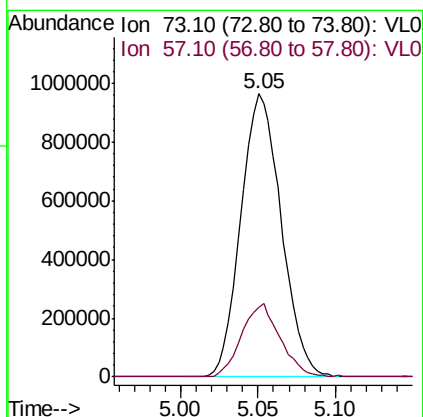
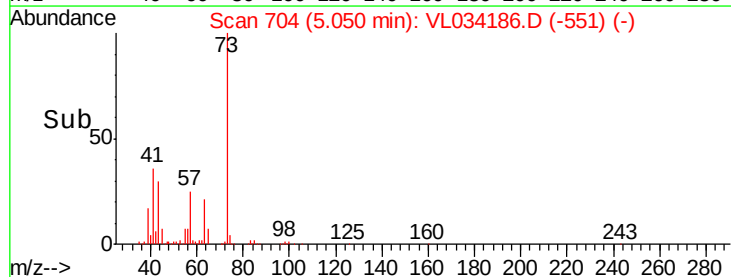
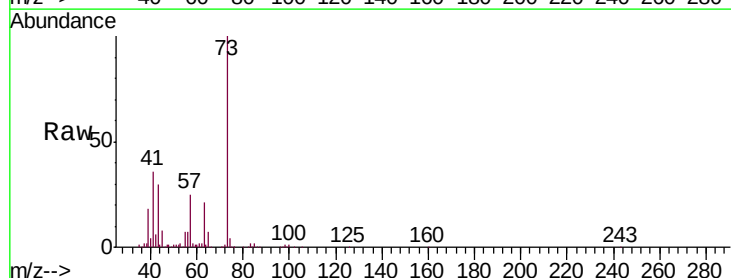
Acq: 18 Sep 2019 17:07

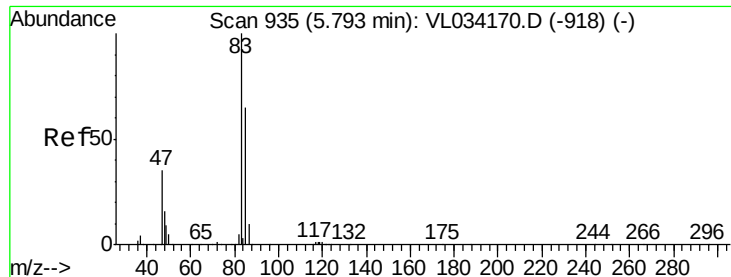
Tgt Ion: 73 Resp: 1750014

Ion Ratio Lower Upper

73 100

57 25.0 20.2 30.2





#29

Chloroform

Concen: 9.392 ppbv

RT: 5.79 min Scan# 933

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

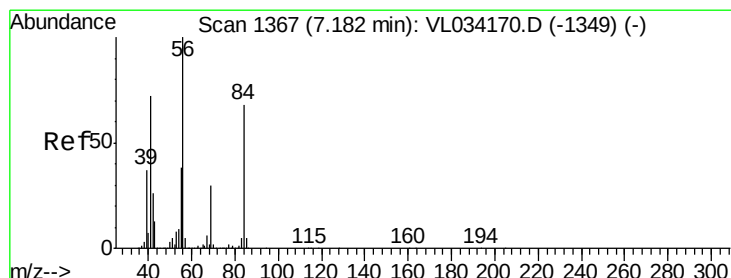
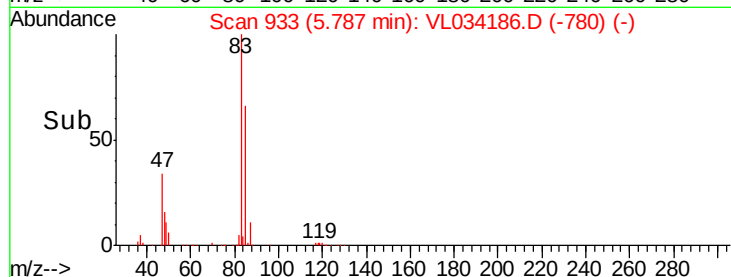
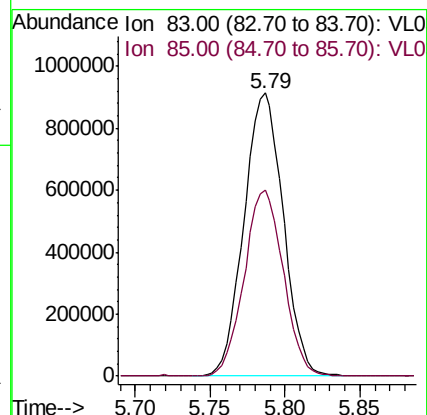
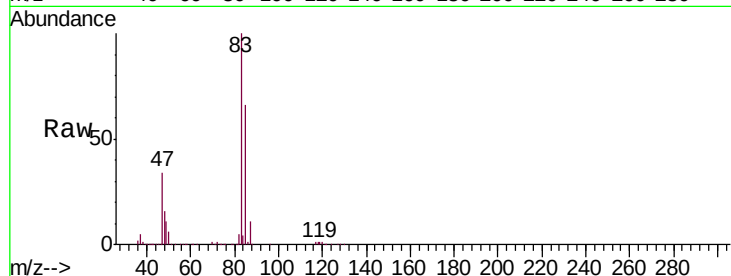
VL0918ABS01

Tgt Ion: 83 Resp: 1670045

Ion Ratio Lower Upper

83 100

85 65.7 52.3 78.5



#30

Cyclohexane

Concen: 9.481 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

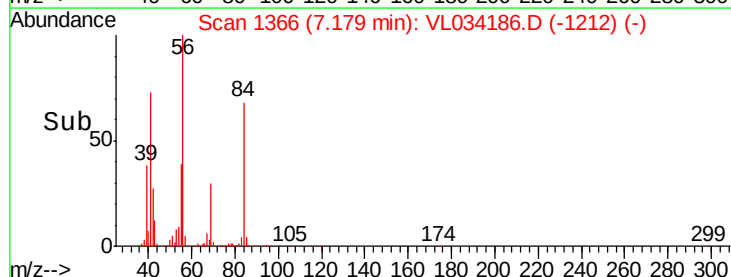
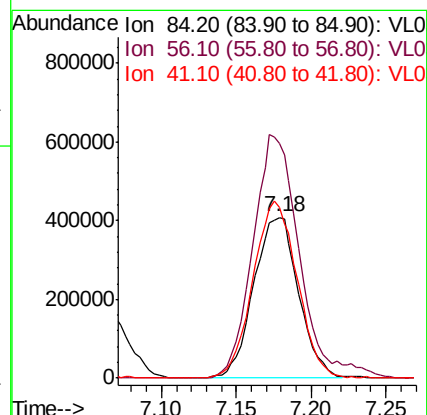
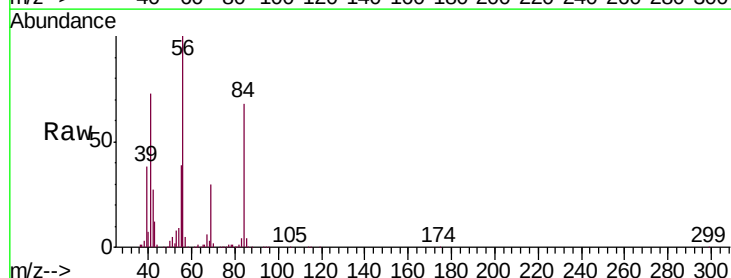
Tgt Ion: 84 Resp: 851739

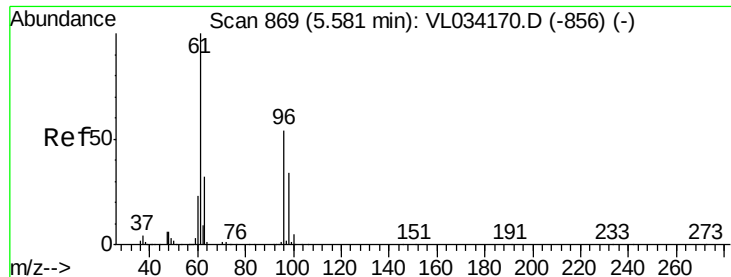
Ion Ratio Lower Upper

84 100

56 157.8 126.2 189.2

41 108.1 85.8 128.8



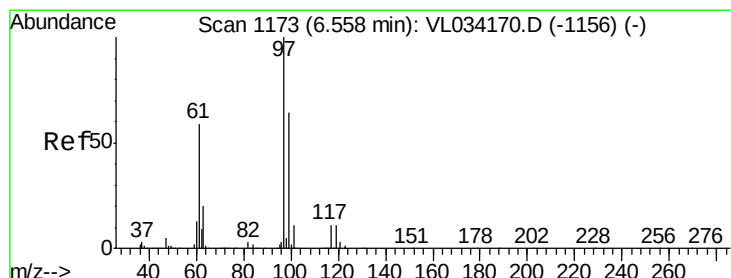
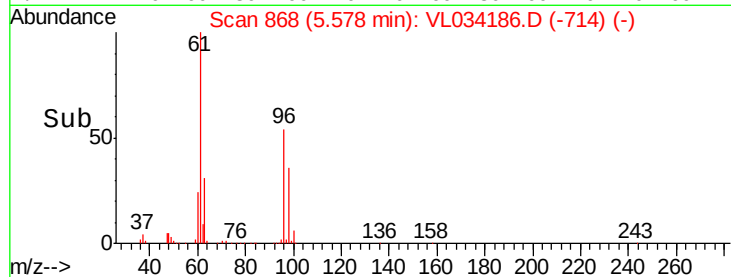
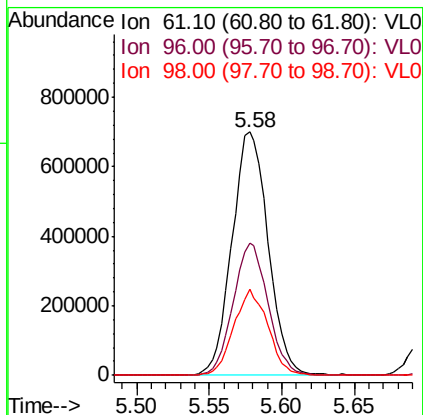
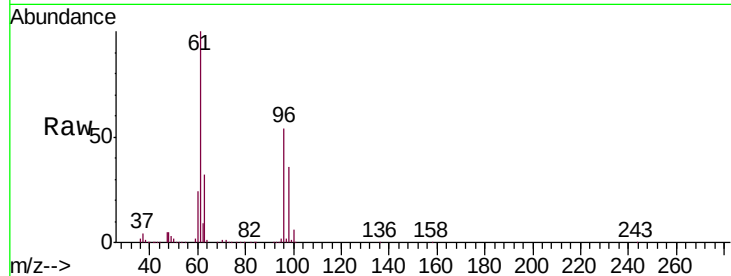


#31

cis-1,2-Dichloroethene
 Concen: 9.541 ppbv
 RT: 5.58 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

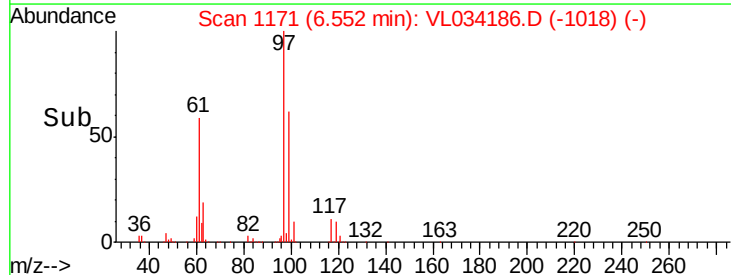
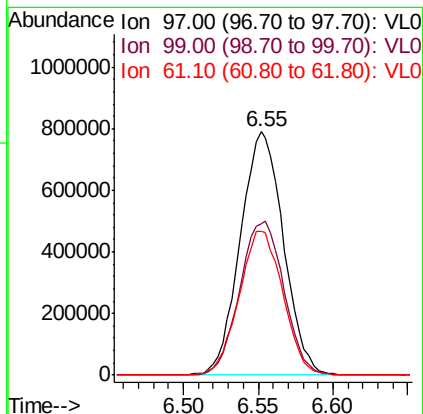
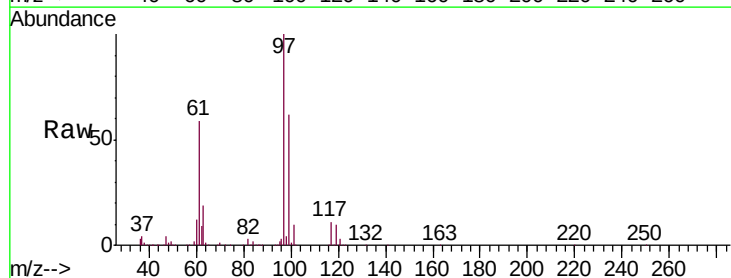
Tgt Ion: 61 Resp: 1210236
 Ion Ratio Lower Upper
 61 100
 96 54.2 43.0 64.4
 98 35.6 27.2 40.8

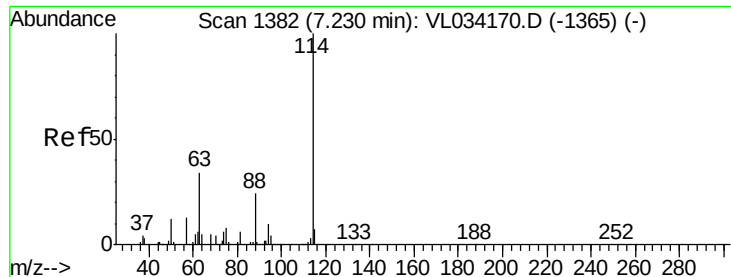


#32

1,1,1-Trichloroethane
 Concen: 9.244 ppbv
 RT: 6.55 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion: 97 Resp: 1585124
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.2
 61 60.2 48.4 72.6

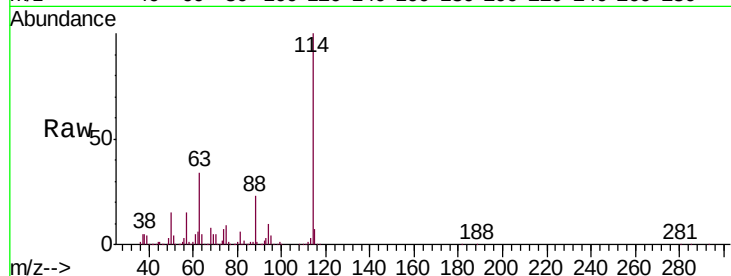




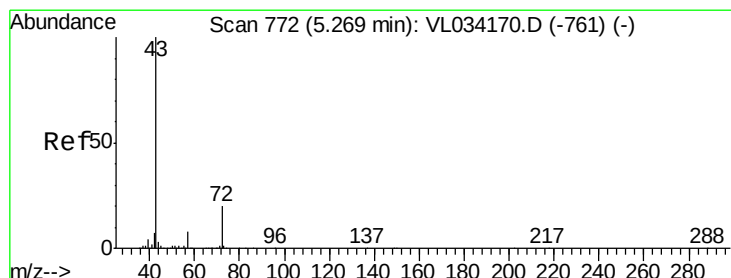
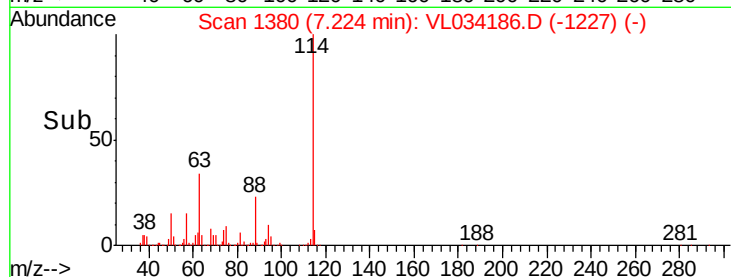
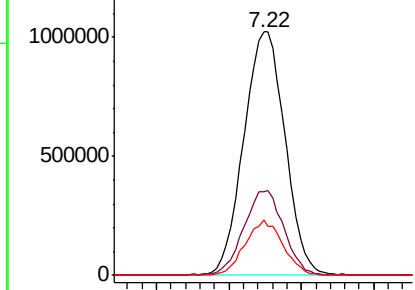
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tgt Ion: 114 Resp: 2028421
 Ion Ratio Lower Upper
 114 100
 63 34.4 27.8 41.6
 88 21.0 17.1 25.7

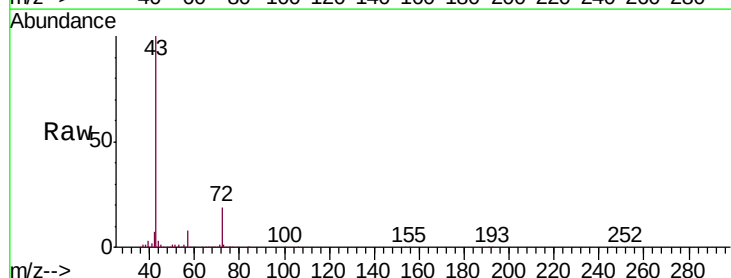


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

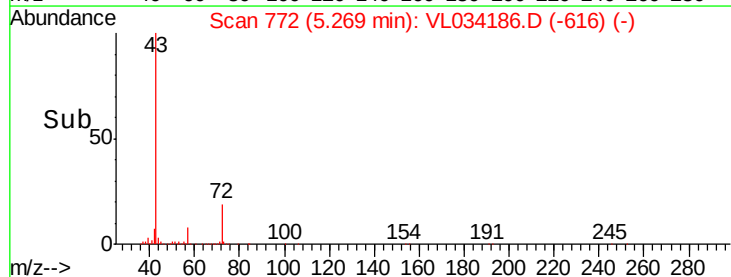
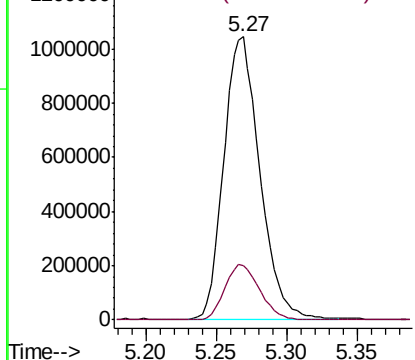


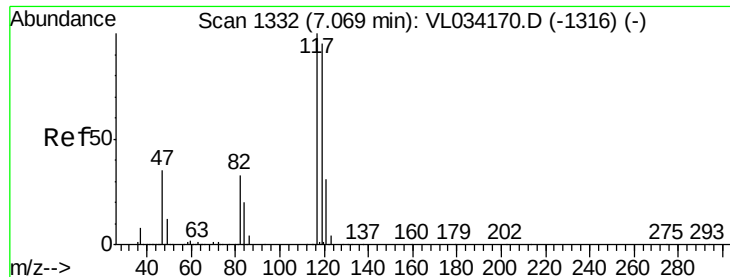
#34
 2-Butanone
 Concen: 8.983 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion: 43 Resp: 1860578
 Ion Ratio Lower Upper
 43 100
 72 19.2 15.0 22.6



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





#35

Carbon Tetrachloride

Concen: 9.387 ppbv

RT: 7.07 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

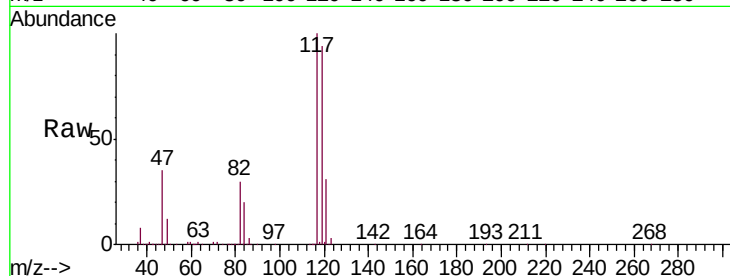
Tgt Ion:117 Resp: 1581840

Ion Ratio Lower Upper

117 100

119 94.5 75.8 113.6

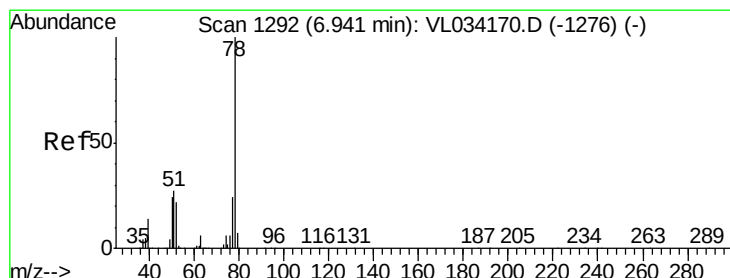
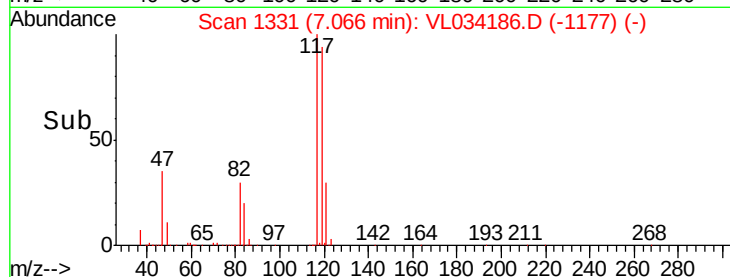
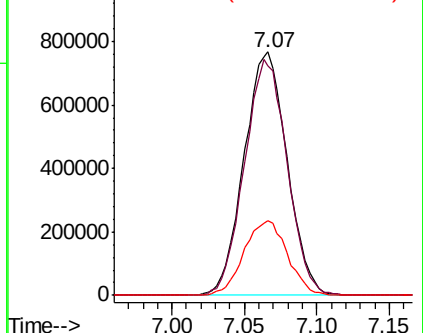
121 30.5 25.0 37.6



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: 9.256 ppbv

RT: 6.94 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

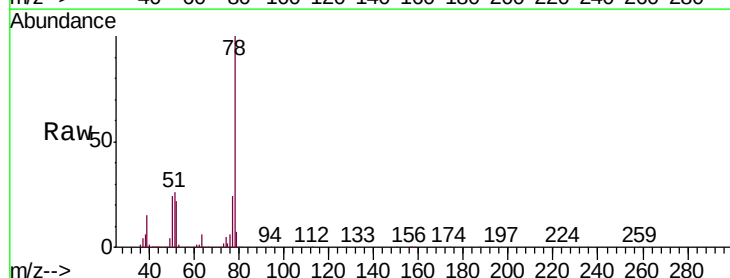
Tgt Ion: 78 Resp: 2073555

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4

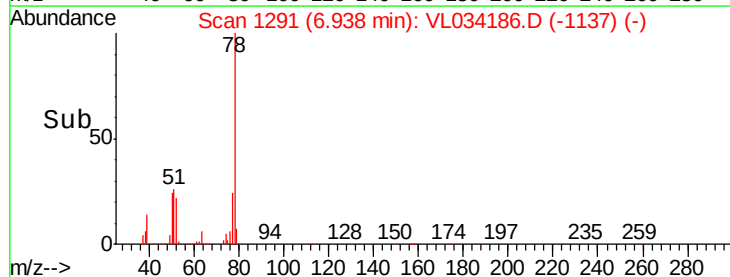
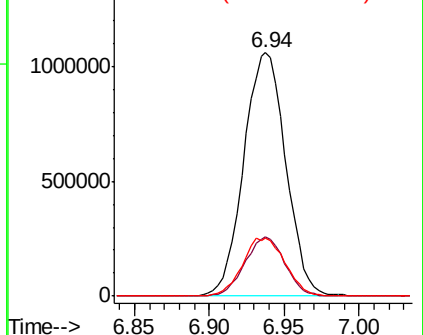
50 24.0 18.9 28.3

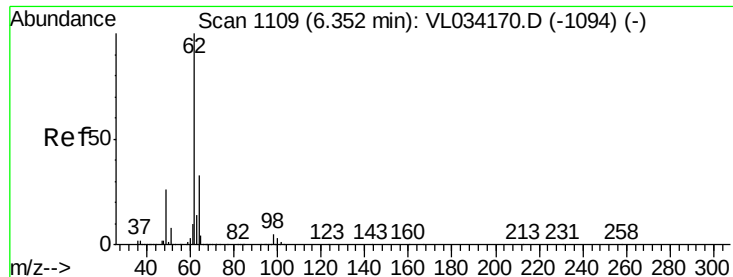


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

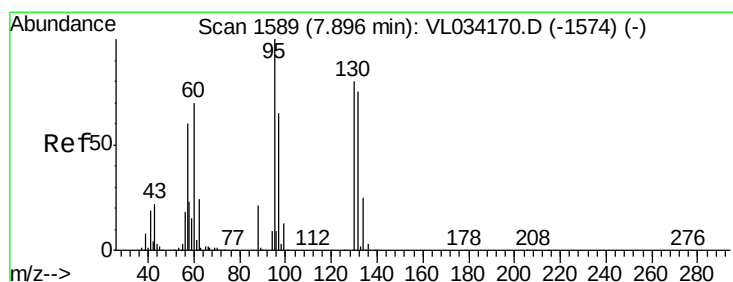
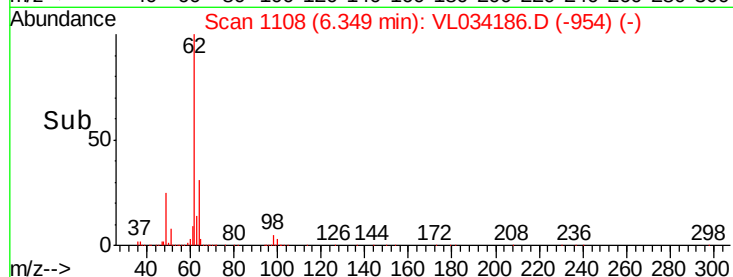
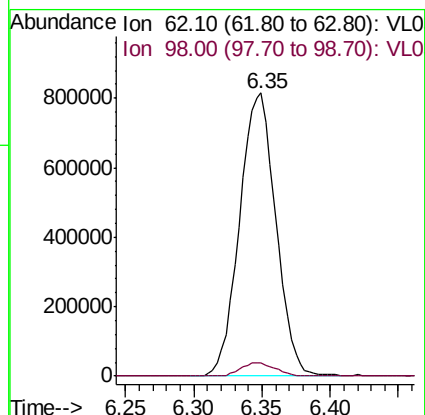
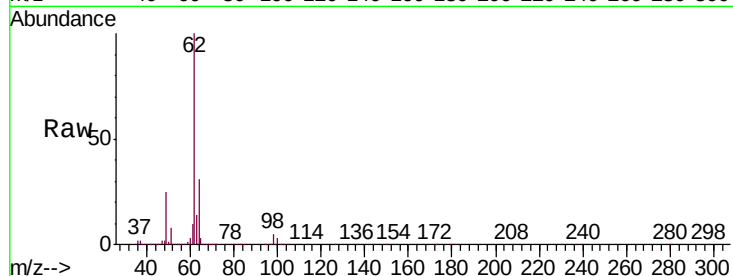




#37
 1,2-Dichloroethane
 Concen: 9.439 ppbv
 RT: 6.35 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

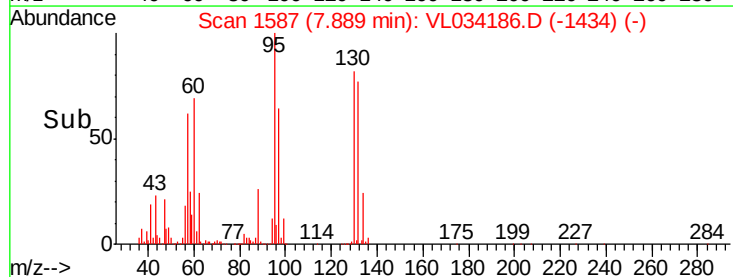
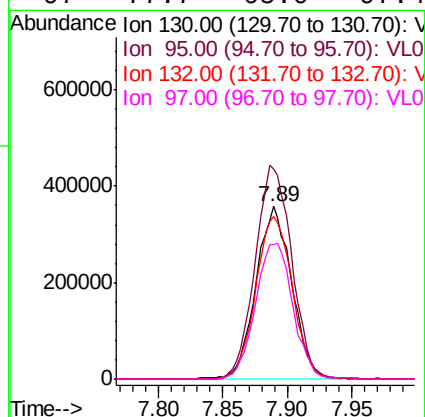
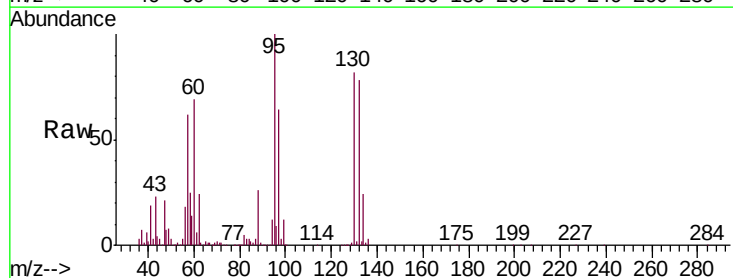
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

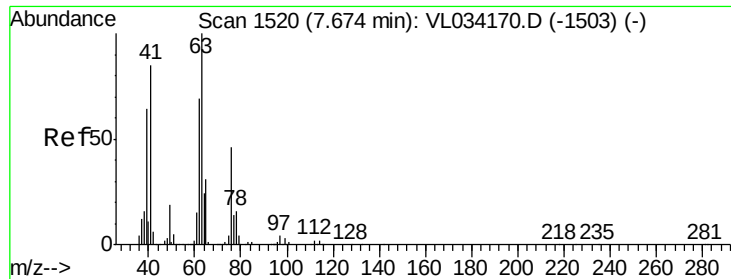
Tgt Ion: 62 Resp: 1503983
 Ion Ratio Lower Upper
 62 100
 98 4.7 3.8 5.8



#38
 Trichloroethene
 Concen: 8.549 ppbv
 RT: 7.89 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion: 130 Resp: 684281
 Ion Ratio Lower Upper
 130 100
 95 121.7 99.8 149.6
 132 94.3 75.2 112.8
 97 77.7 65.0 97.4

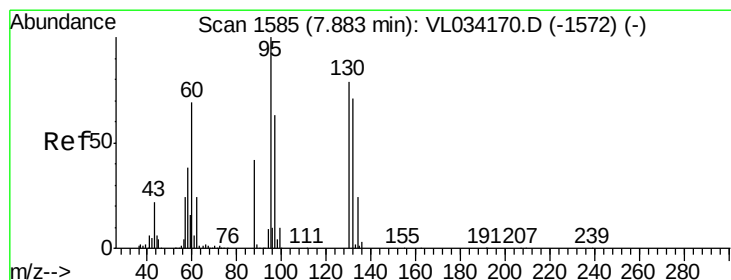
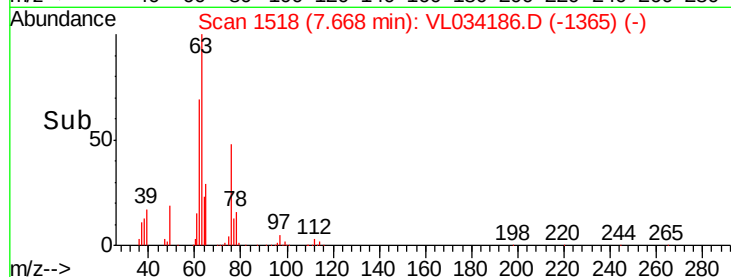
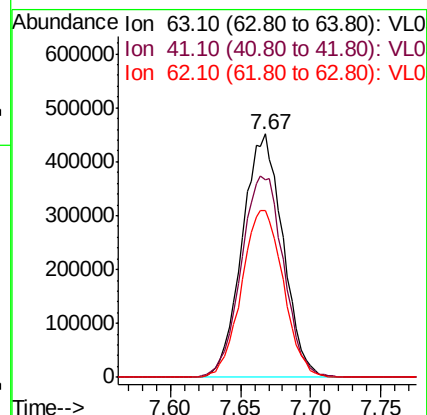
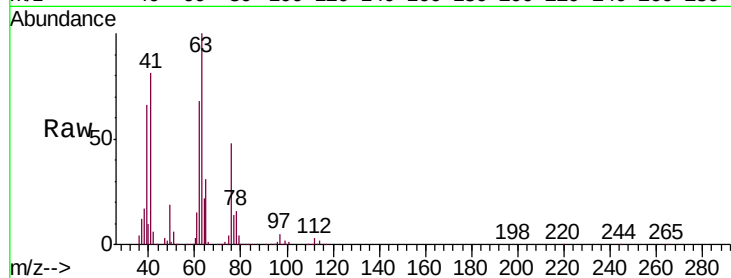




#39
 1,2-Dichloropropane
 Concen: 9.044 ppbv
 RT: 7.67 min Scan# 1518
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

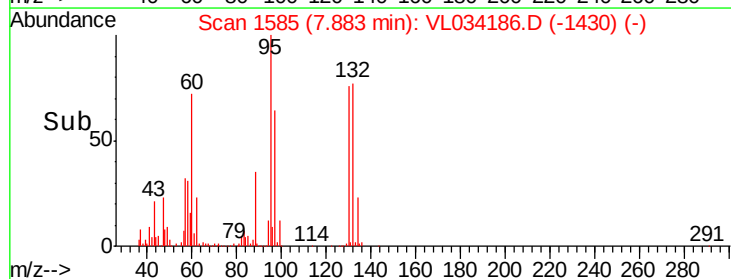
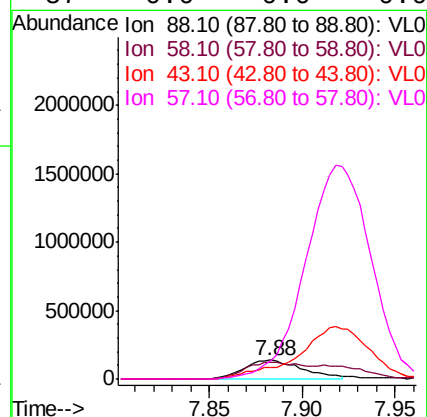
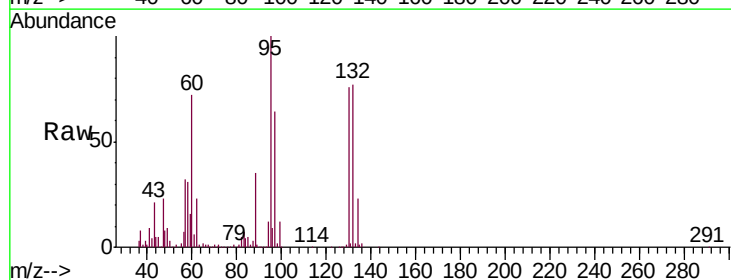
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

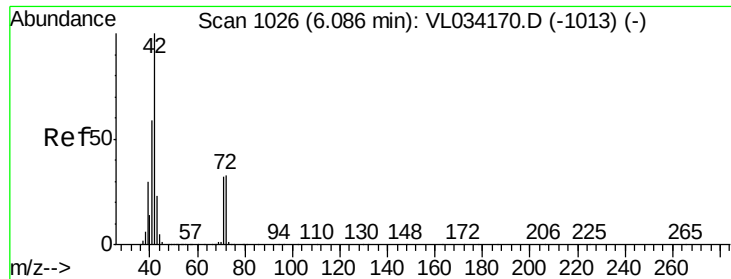
Tgt Ion:	63	Resp:	910334
Ion	Ratio	Lower	Upper
63	100		
41	81.2	68.4	102.6
62	68.2	55.4	83.2



#40
 1,4-Dioxane
 Concen: 9.122 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion:	88	Resp:	297125
Ion	Ratio	Lower	Upper
88	100		
58	156.5	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0

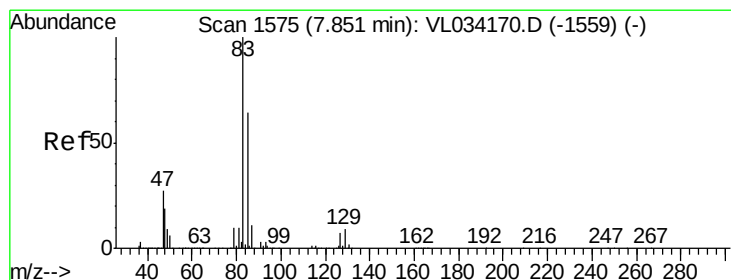
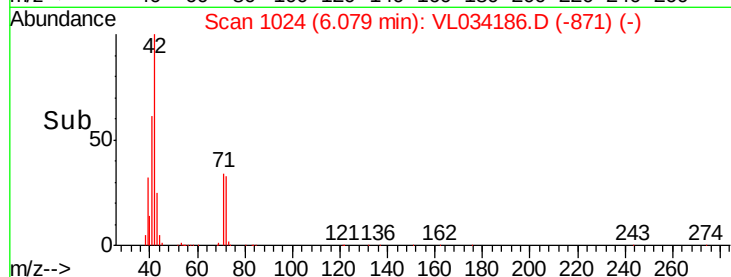
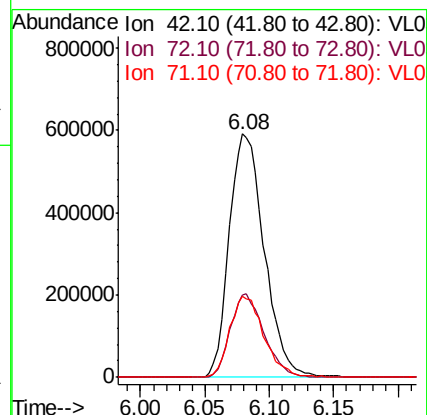
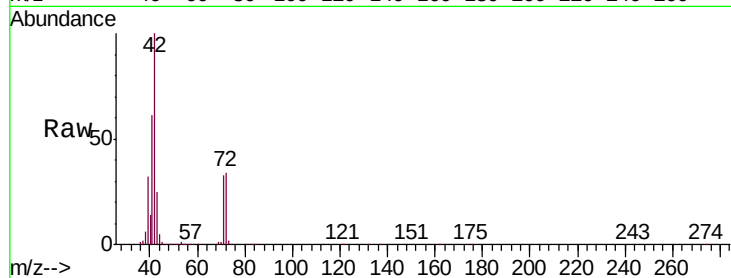




#41
Tetrahydrofuran
Concen: 9.555 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

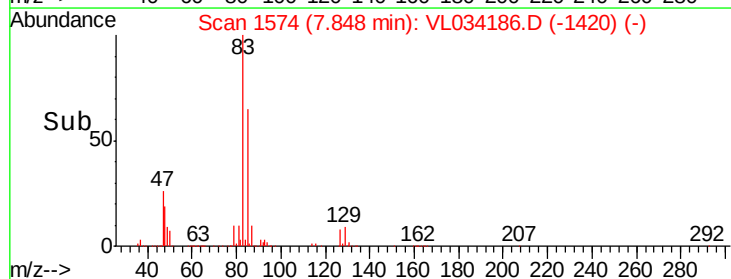
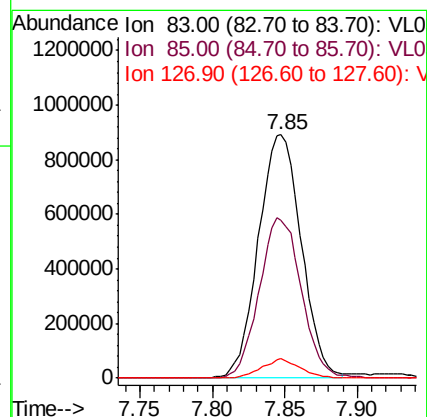
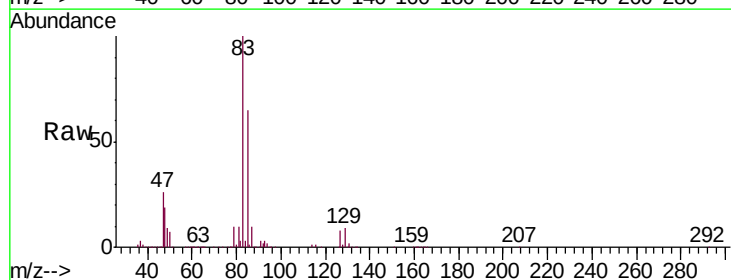
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

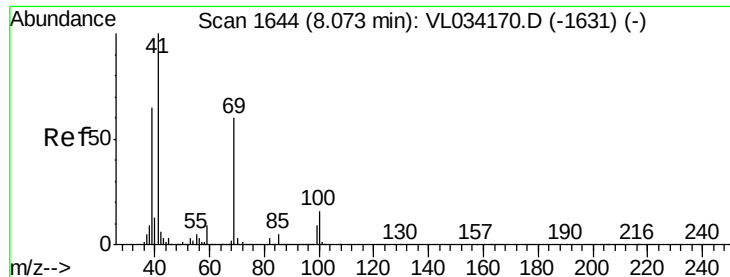
Tgt Ion: 42 Resp: 1114627
Ion Ratio Lower Upper
42 100
72 33.2 26.6 40.0
71 32.5 25.1 37.7



#42
Bromodichloromethane
Concen: 9.602 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion: 83 Resp: 1836283
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.0
127 8.3 5.5 8.3#

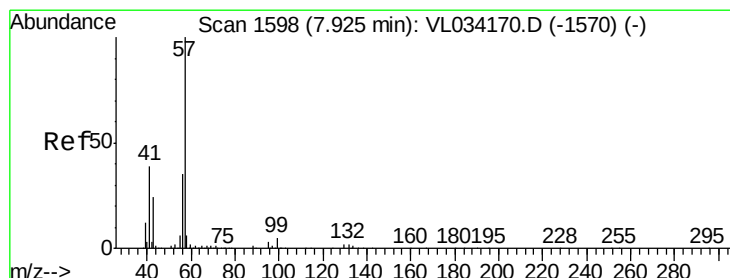
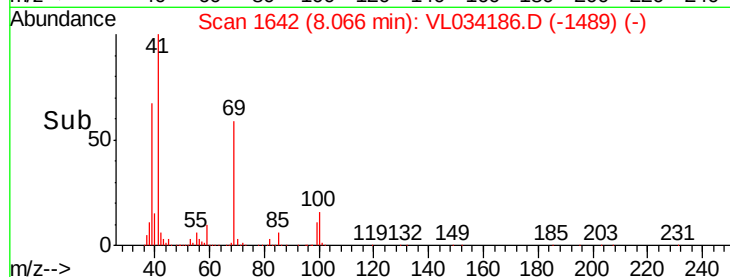
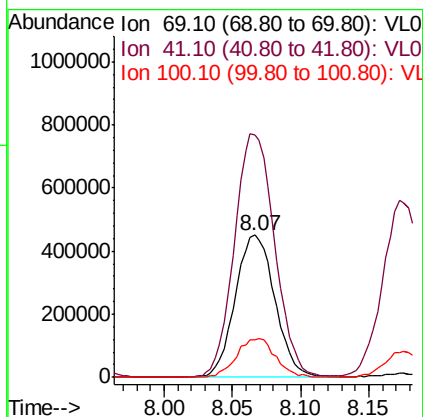
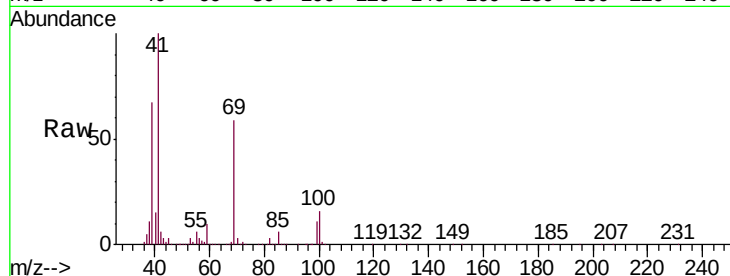




#43
Methyl Methacrylate
Concen: 9.813 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

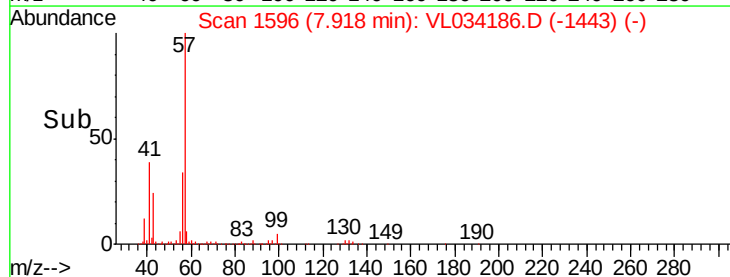
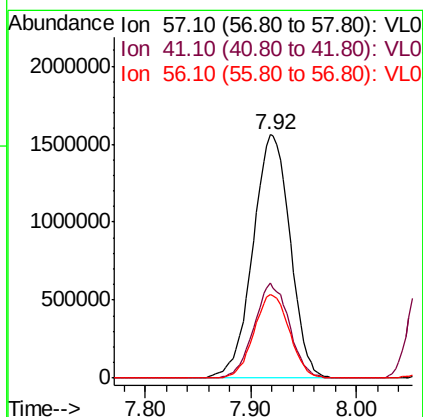
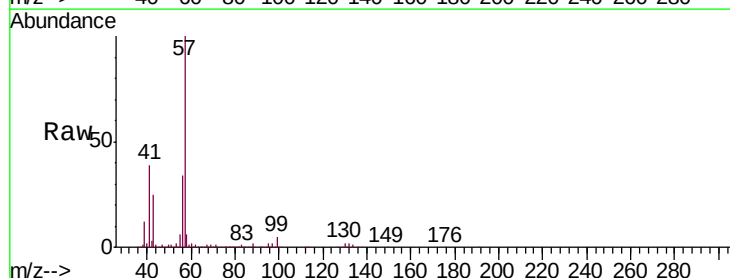
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

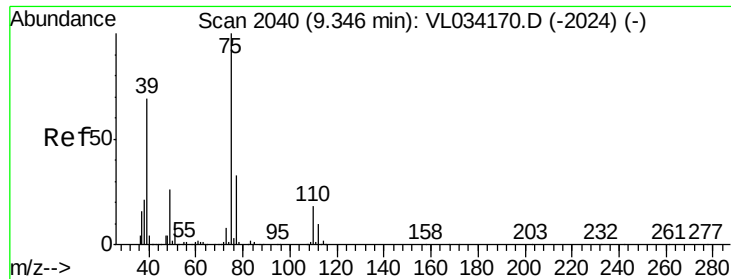
Tgt Ion: 69 Resp: 908132
Ion Ratio Lower Upper
69 100
41 174.0 140.4 210.6
100 26.8 21.9 32.9



#44
2,2,4-Trimethylpentane
Concen: 8.900 ppbv
RT: 7.92 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion: 57 Resp: 3838450
Ion Ratio Lower Upper
57 100
41 36.9 29.8 44.6
56 32.7 25.9 38.9

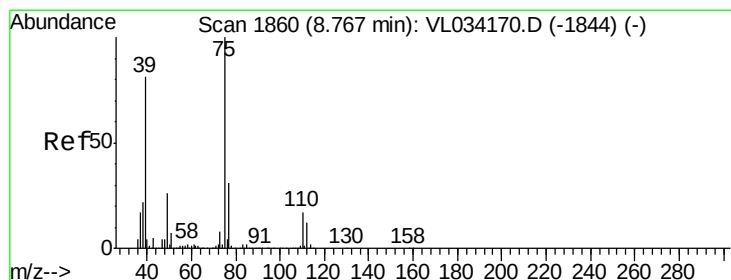
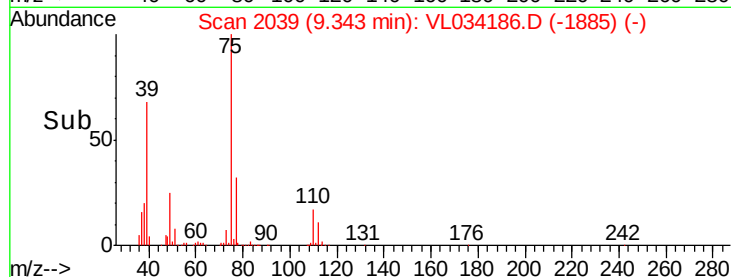
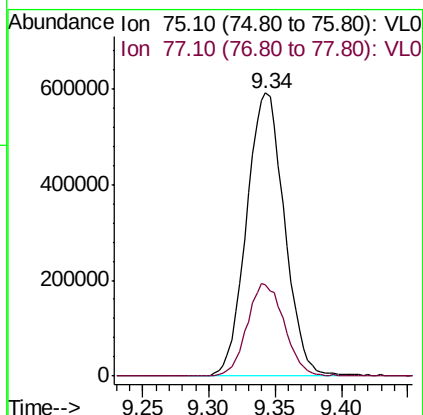
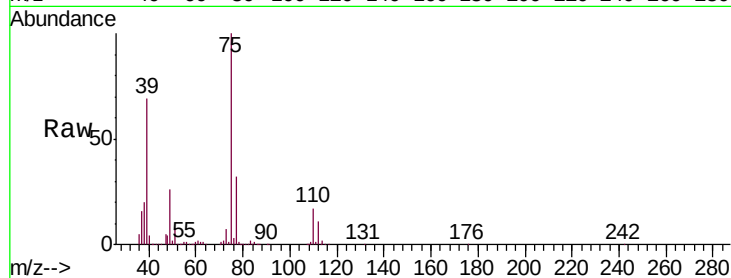




#45
t-1,3-Dichloropropene
Concen: 10.706 ppbv
RT: 9.34 min Scan# 2039
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

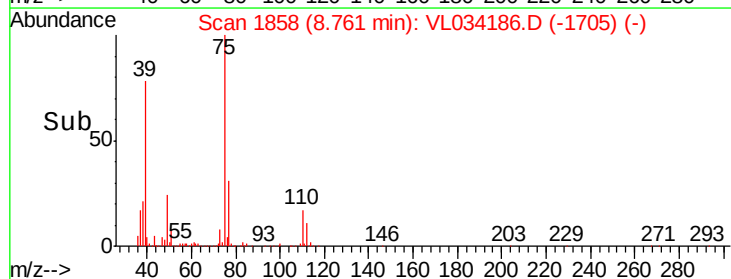
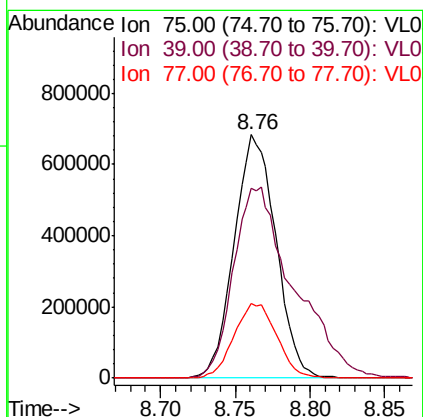
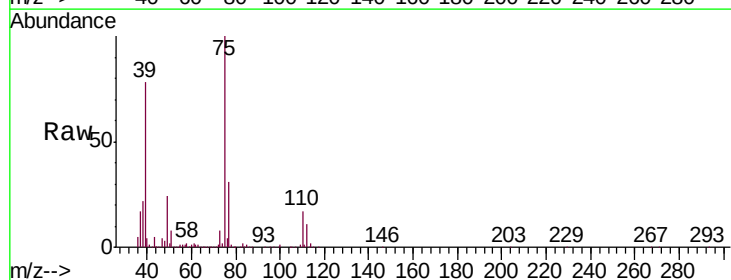
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

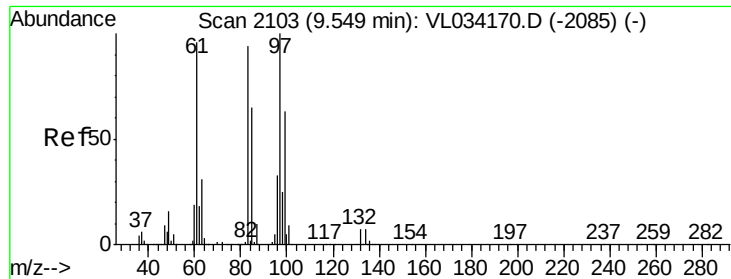
Tgt Ion: 75 Resp: 1171484
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2



#46
cis-1,3-Dichloropropene
Concen: 10.088 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion: 75 Resp: 1327915
Ion Ratio Lower Upper
75 100
39 78.0 65.0 97.4
77 30.5 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.094 ppbv

RT: 9.54 min Scan# 2101

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tgt Ion: 97 Resp: 822005

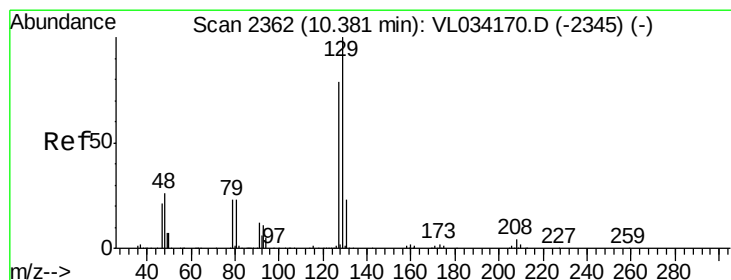
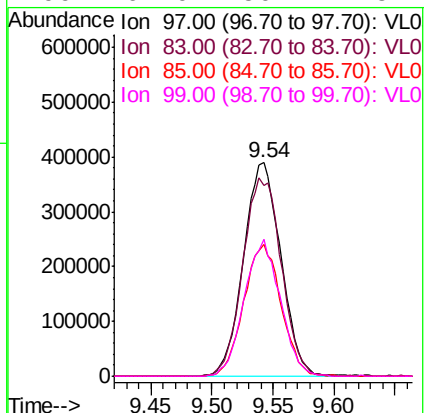
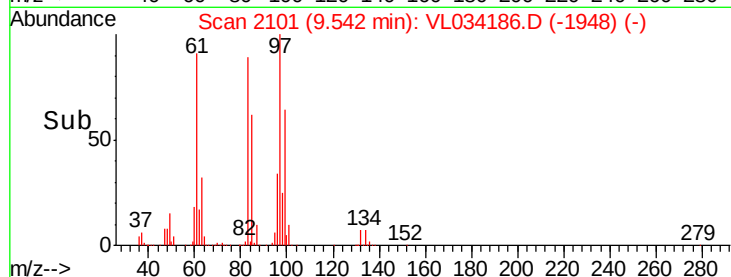
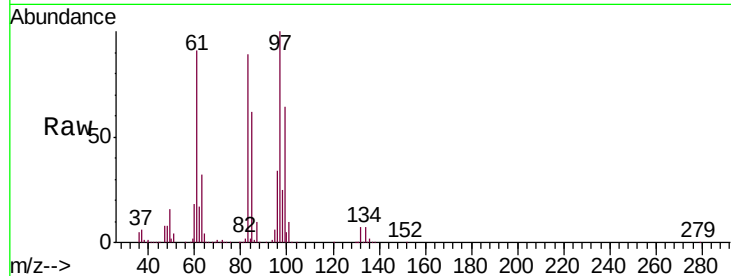
Ion Ratio Lower Upper

97 100

83 89.1 75.3 112.9

85 61.6 52.1 78.1

99 64.0 50.2 75.2



#48

Dibromochloromethane

Concen: 9.535 ppbv

RT: 10.38 min Scan# 2361

Delta R.T. -0.00 min

Lab File: VL034186.D

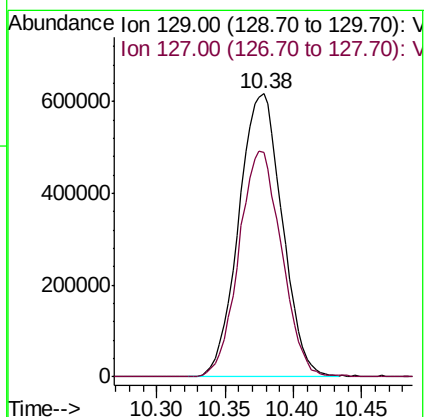
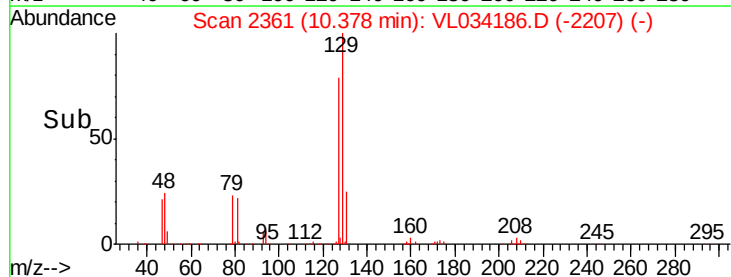
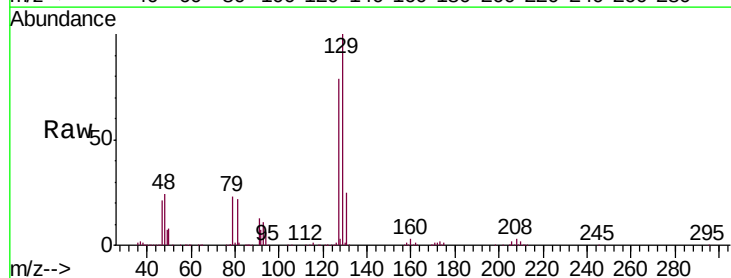
Acq: 18 Sep 2019 17:07

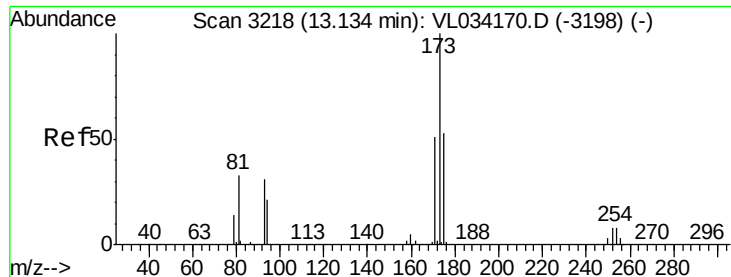
Tgt Ion: 129 Resp: 1365918

Ion Ratio Lower Upper

129 100

127 78.4 39.2 117.6





#49

Bromoform

Concen: 9.742 ppbv

RT: 13.12 min Scan# 3215

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

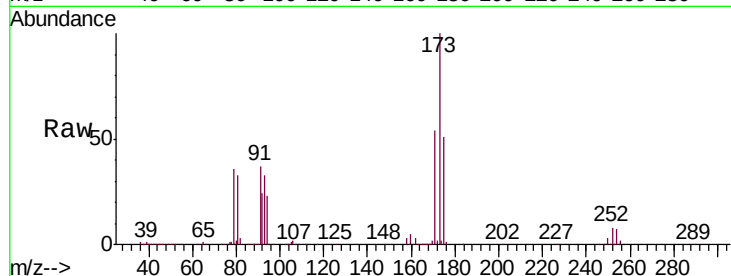
Tgt Ion:173 Resp: 1129401

Ion Ratio Lower Upper

173 100

175 49.1 40.3 60.5

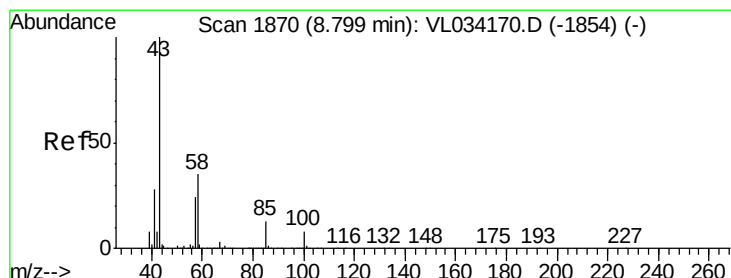
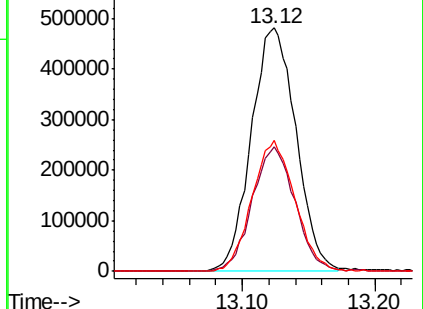
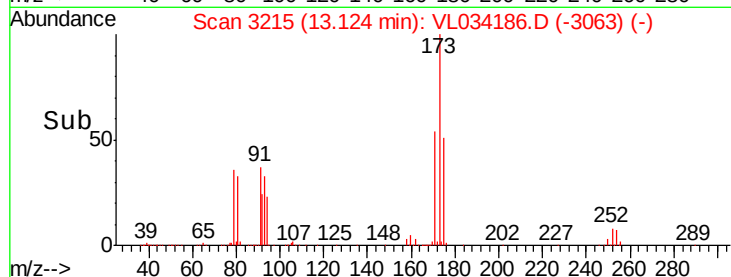
171 52.0 42.0 63.0



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: 9.097 ppbv

RT: 8.80 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VL034186.D

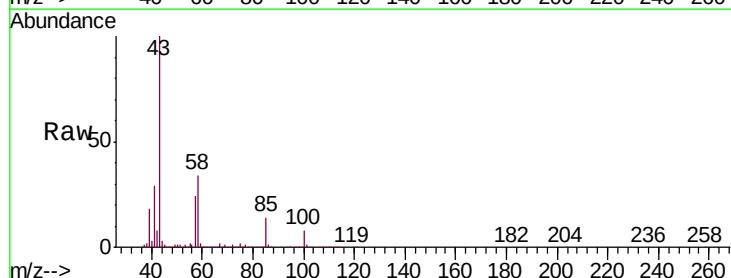
Acq: 18 Sep 2019 17:07

Tgt Ion: 43 Resp: 2742158

Ion Ratio Lower Upper

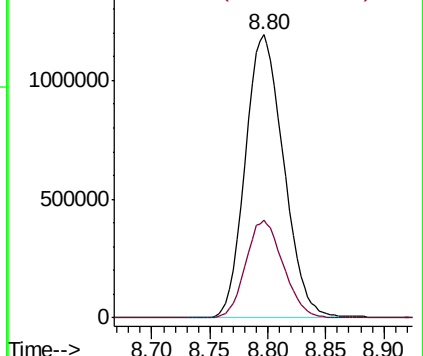
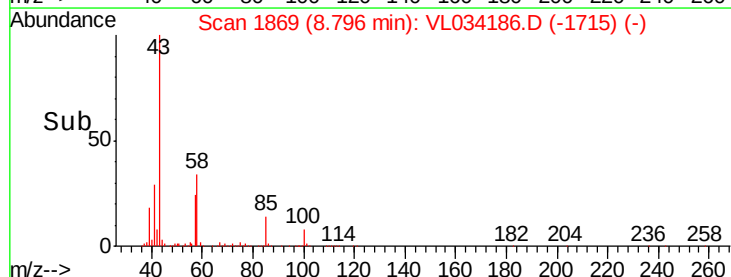
43 100

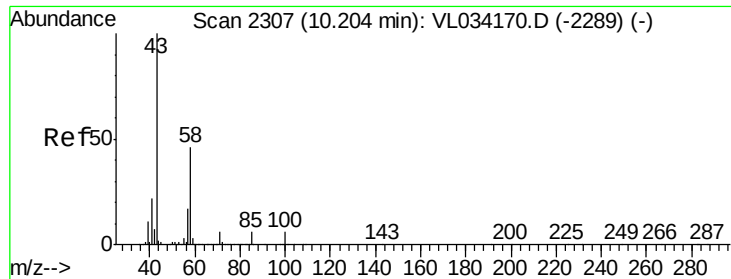
58 33.8 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

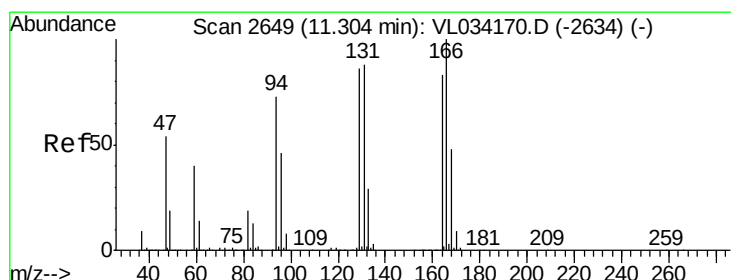
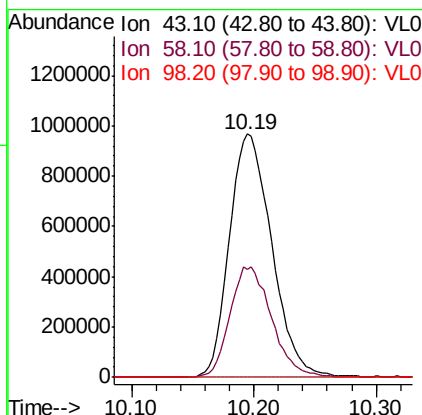
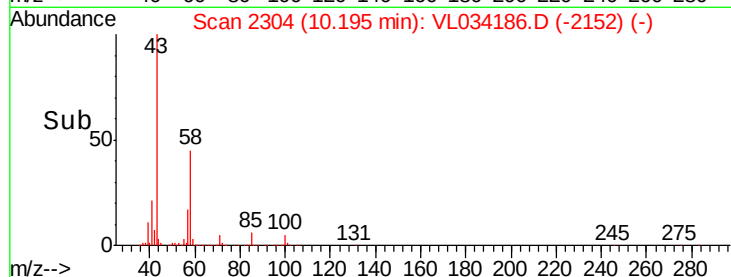
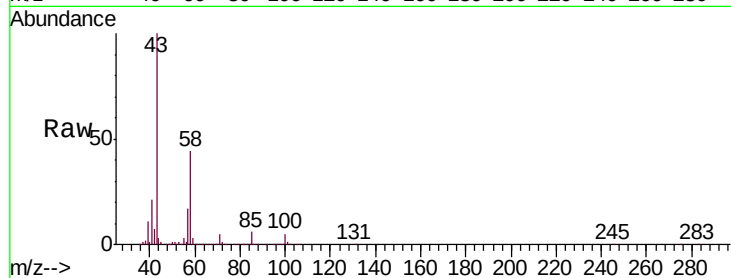




#51
2-Hexanone
Concen: 9.206 ppbv
RT: 10.19 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

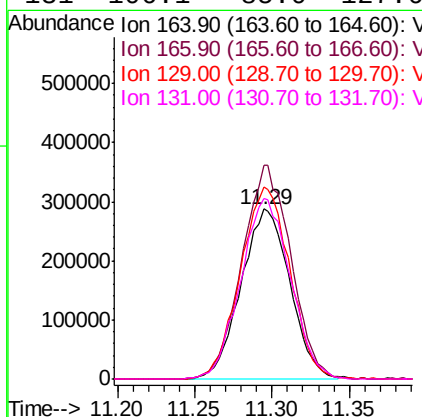
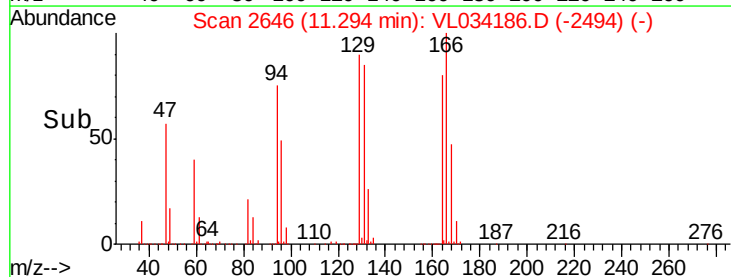
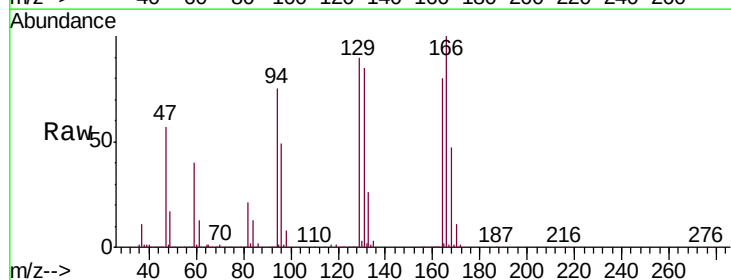
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

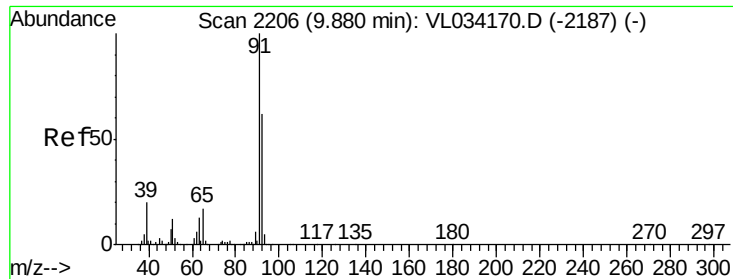
Tgt Ion: 43 Resp: 2328871
Ion Ratio Lower Upper
43 100
58 44.7 36.2 54.4
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 8.443 ppbv
RT: 11.29 min Scan# 2646
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion: 164 Resp: 624930
Ion Ratio Lower Upper
164 100
166 125.5 96.7 145.1
129 113.0 82.8 124.2
131 106.1 85.0 127.6





#53

Toluene

Concen: 9.230 ppbv

RT: 9.87 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

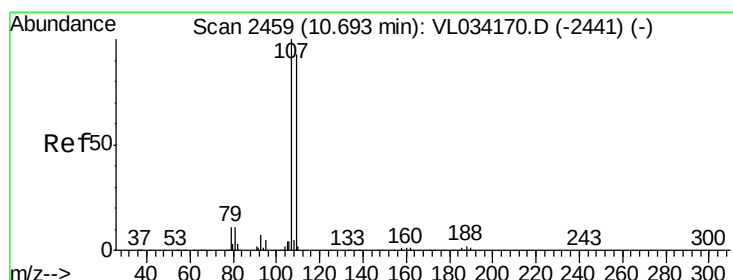
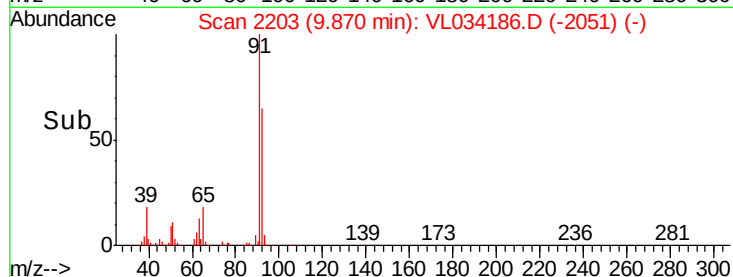
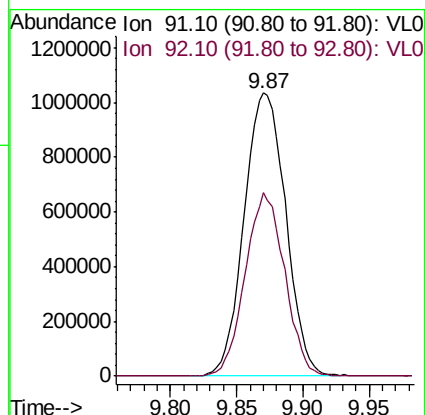
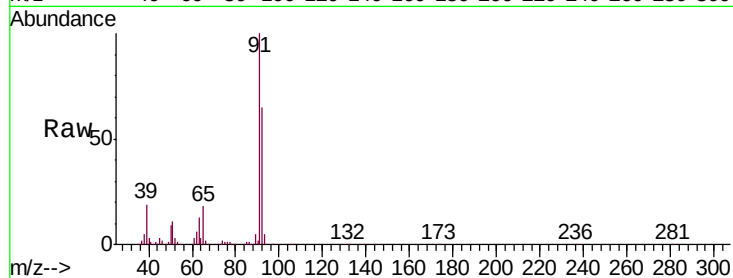
VL0918ABS01

Tgt Ion: 91 Resp: 2259979

Ion Ratio Lower Upper

91 100

92 61.4 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.135 ppbv

RT: 10.68 min Scan# 2456

Delta R.T. -0.01 min

Lab File: VL034186.D

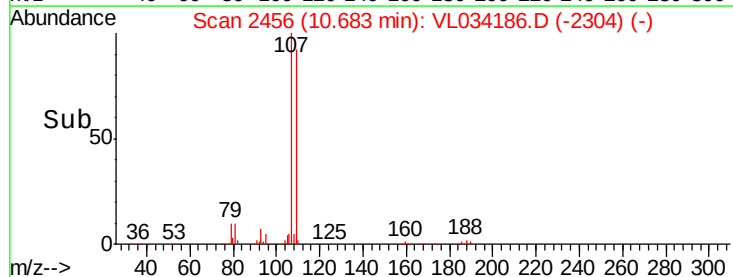
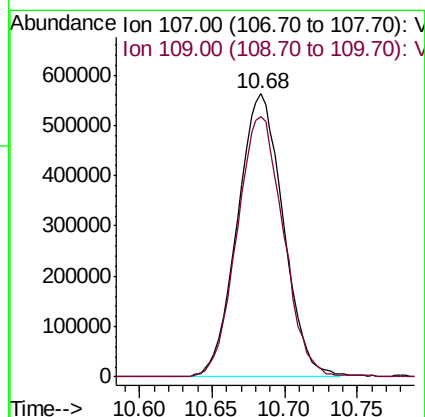
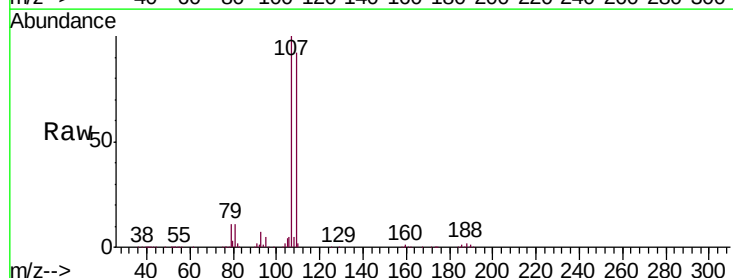
Acq: 18 Sep 2019 17:07

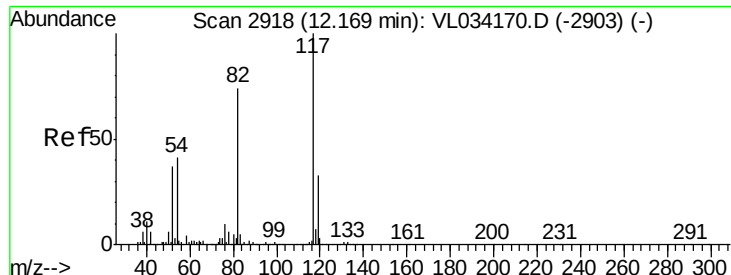
Tgt Ion: 107 Resp: 1227881

Ion Ratio Lower Upper

107 100

109 91.8 74.5 111.7

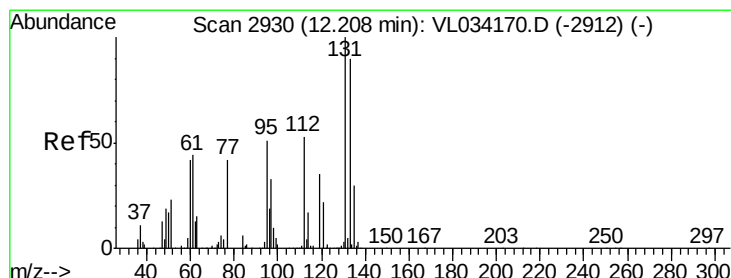
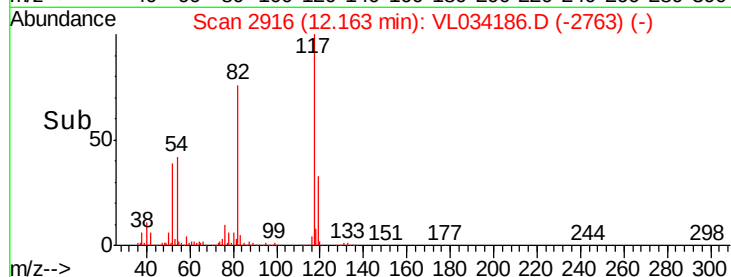
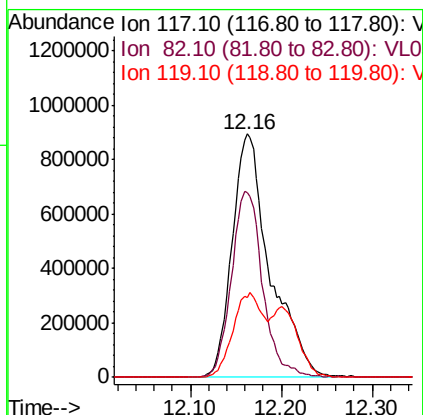
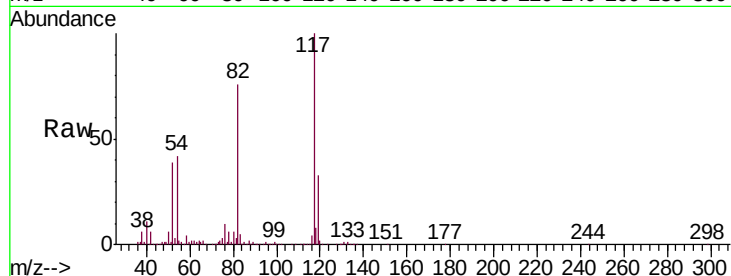




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

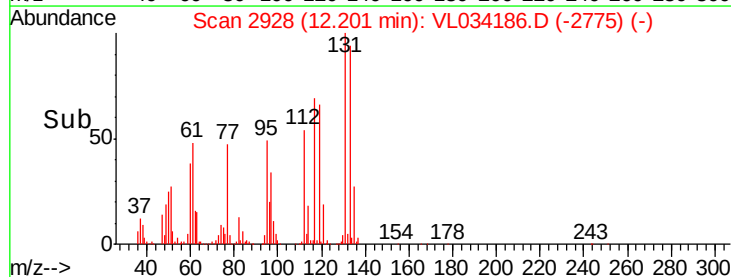
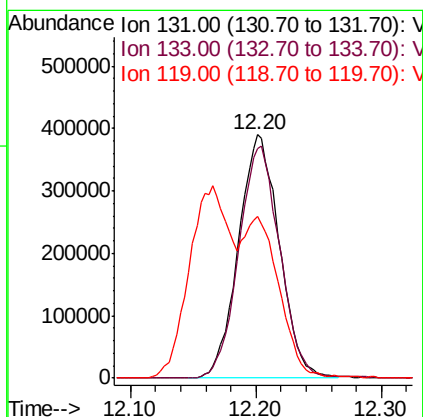
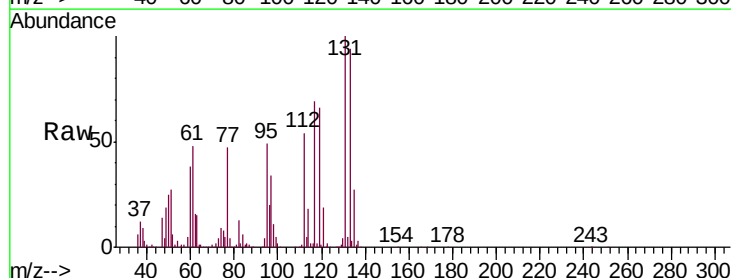
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

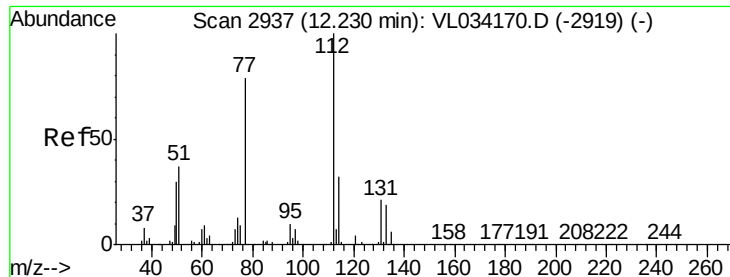
Tgt Ion:117 Resp: 2585210
Ion Ratio Lower Upper
117 100
82 63.3 58.2 87.4
119 48.2 23.7 35.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.647 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion:131 Resp: 881634
Ion Ratio Lower Upper
131 100
133 96.4 75.1 112.7
119 60.3 47.4 71.0





#57

Chlorobenzene

Concen: 7.064 ppbv

RT: 12.22 min Scan# 2935

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

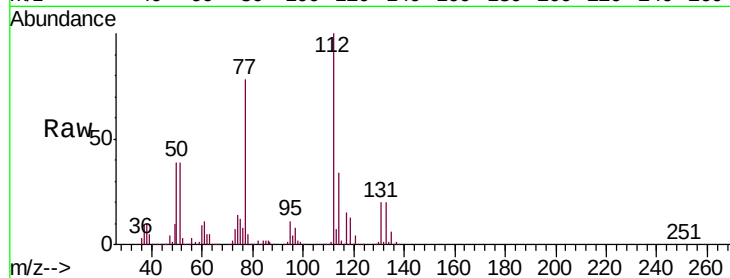
Tgt Ion: 112 Resp: 1590010

Ion Ratio Lower Upper

112 100

77 77.7 64.3 96.5

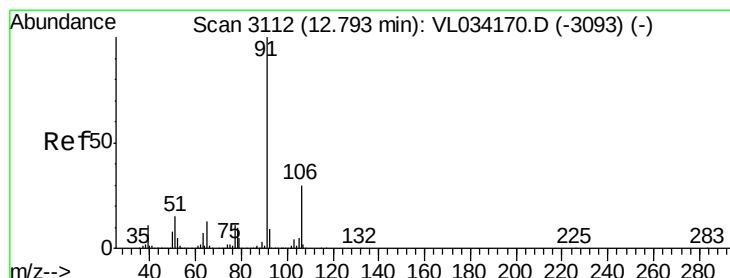
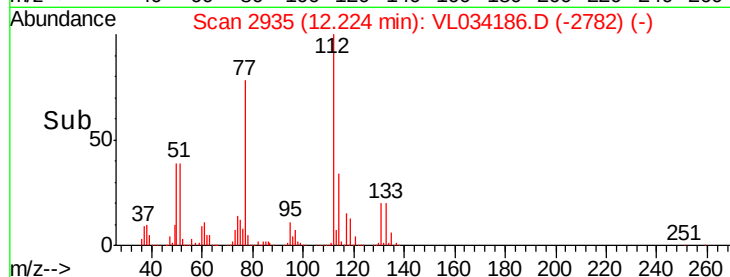
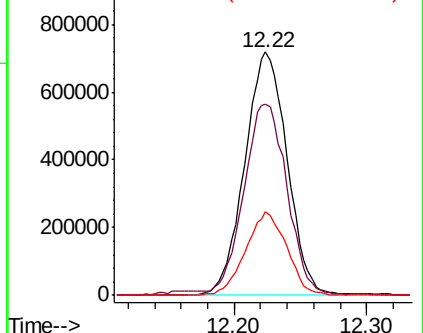
114 34.2 28.9 35.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.390 ppbv

RT: 12.79 min Scan# 3110

Delta R.T. -0.01 min

Lab File: VL034186.D

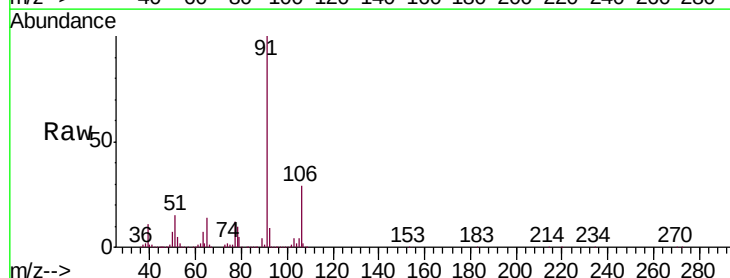
Acq: 18 Sep 2019 17:07

Tgt Ion: 91 Resp: 3082557

Ion Ratio Lower Upper

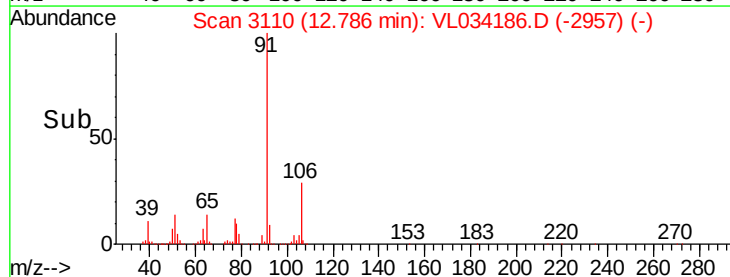
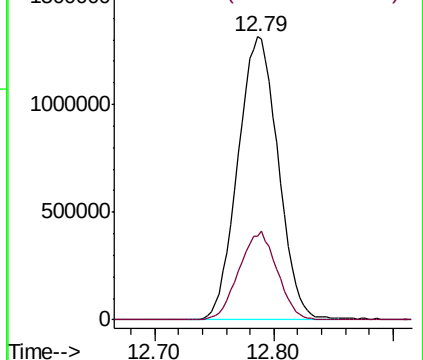
91 100

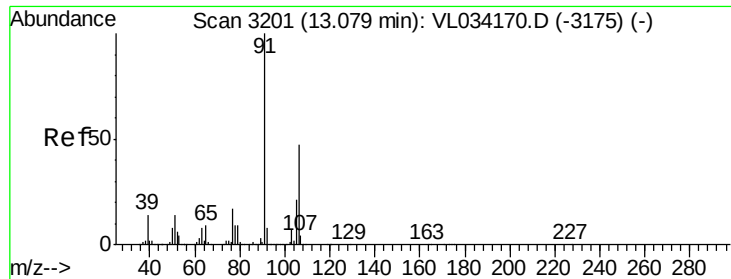
106 29.4 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 5.228 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

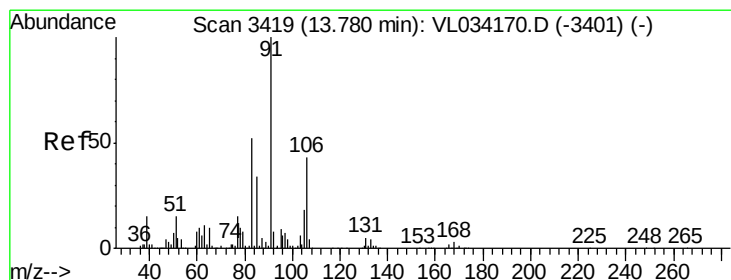
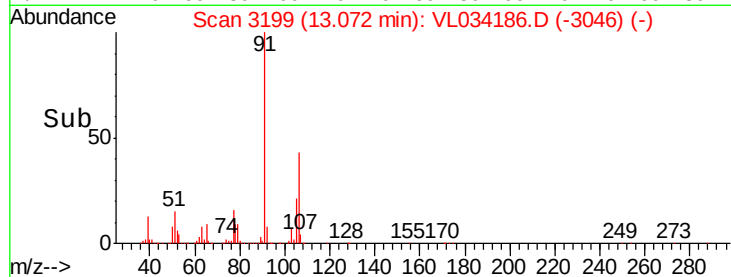
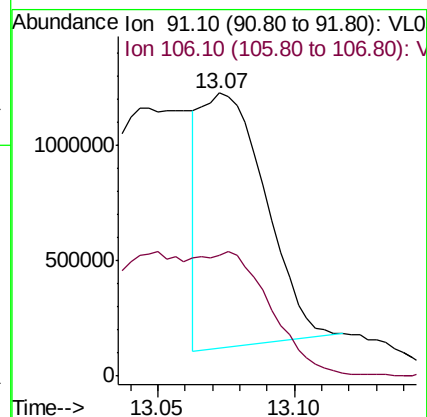
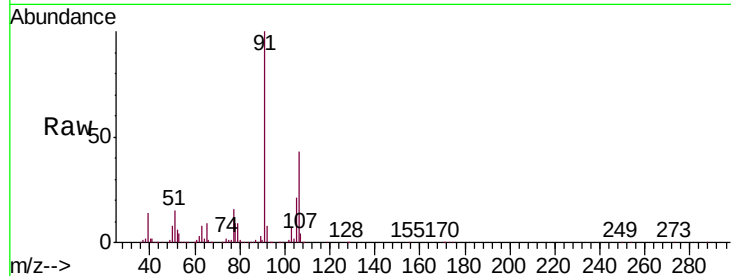
VL0918ABS01

Tgt Ion: 91 Resp: 1806384

Ion Ratio Lower Upper

91 100

106 120.6 35.5 53.3#



#60

o-Xylene

Concen: 7.224 ppbv

RT: 13.77 min Scan# 3417

Delta R.T. -0.01 min

Lab File: VL034186.D

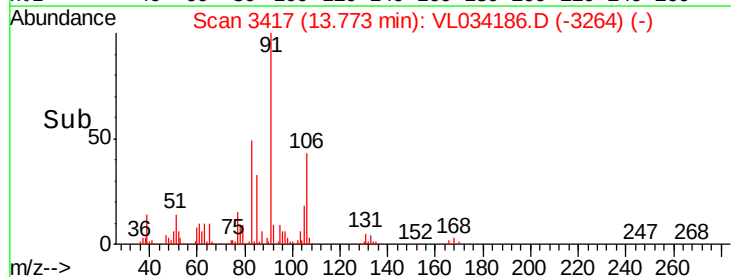
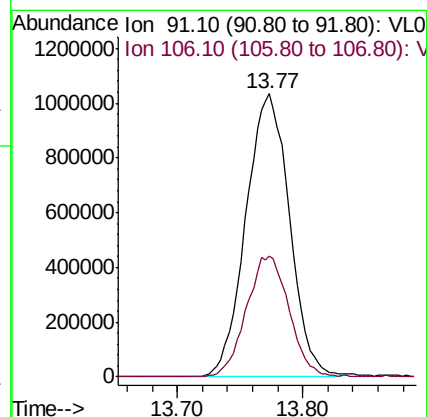
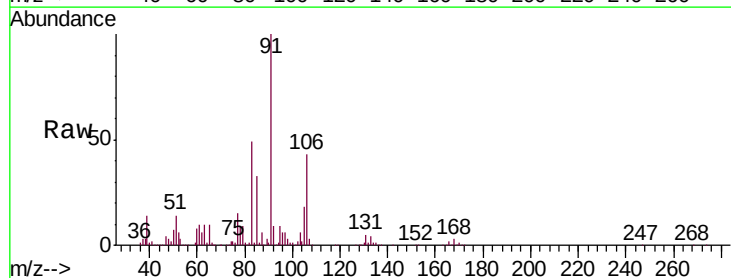
Acq: 18 Sep 2019 17:07

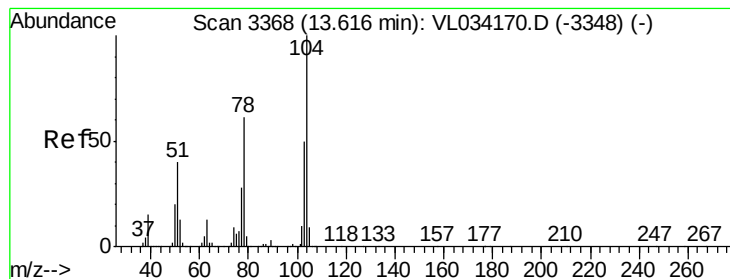
Tgt Ion: 91 Resp: 2495543

Ion Ratio Lower Upper

91 100

106 42.2 21.2 63.6





#61

Styrene

Concen: 7.541 ppbv

RT: 13.61 min Scan# 3366

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

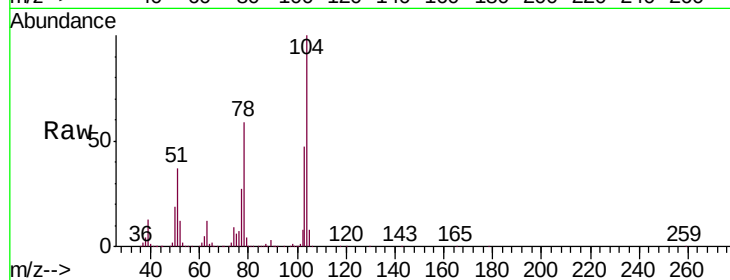
Tgt Ion:104 Resp: 1866223

Ion Ratio Lower Upper

104 100

78 62.0 49.7 74.5

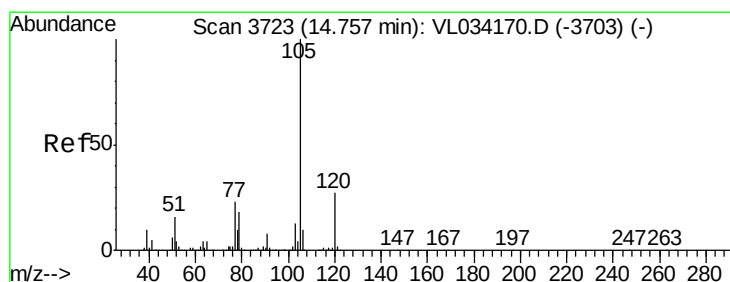
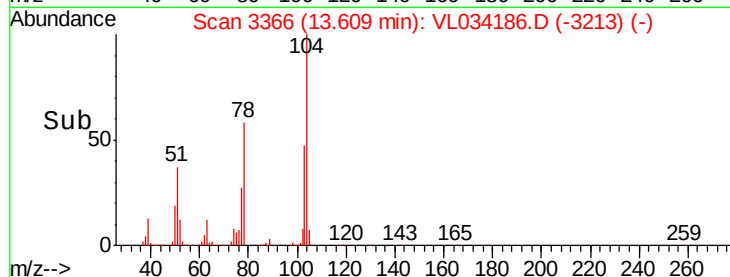
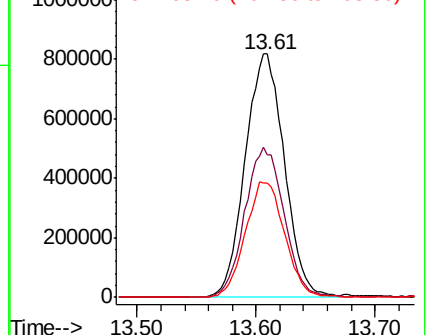
103 47.7 38.4 57.6



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: 7.253 ppbv

RT: 14.75 min Scan# 3721

Delta R.T. -0.01 min

Lab File: VL034186.D

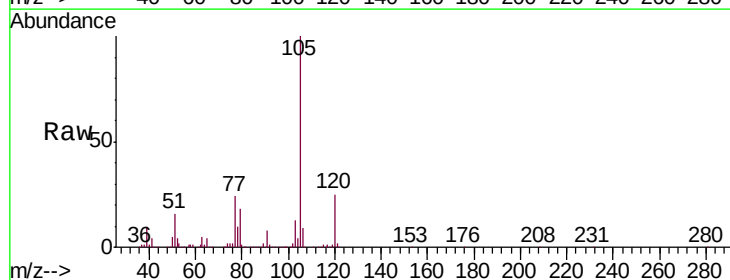
Acq: 18 Sep 2019 17:07

Tgt Ion:105 Resp: 3243523

Ion Ratio Lower Upper

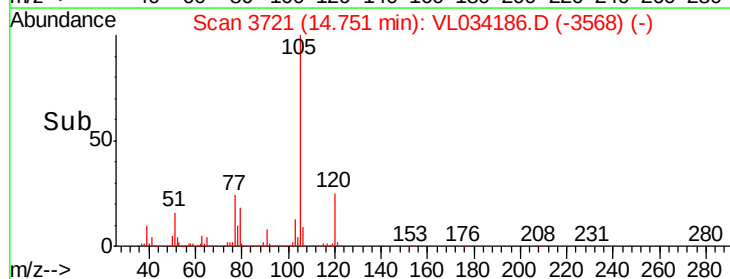
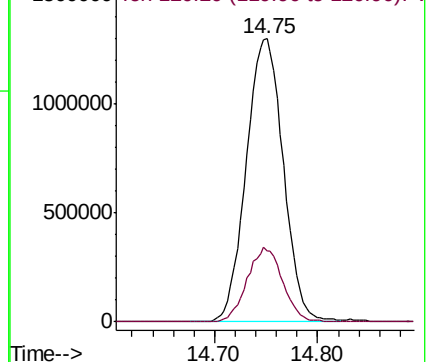
105 100

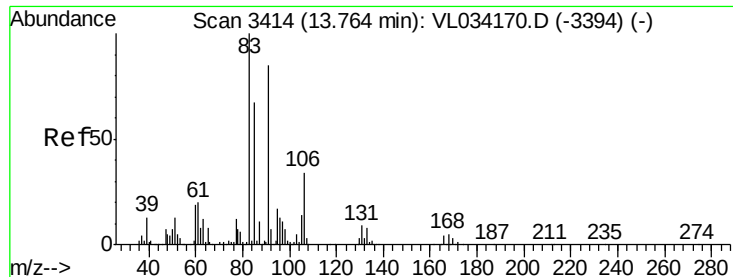
120 25.3 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

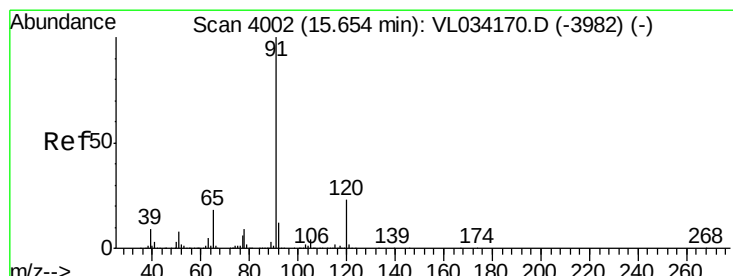
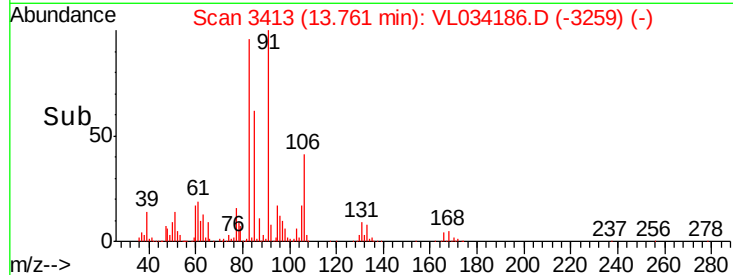
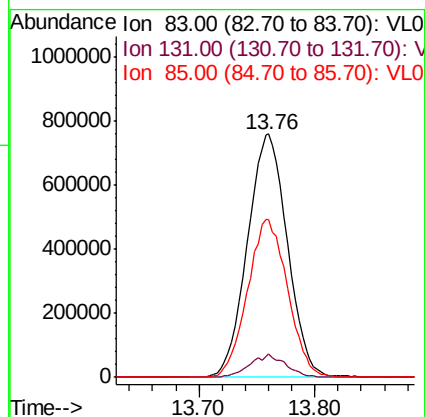
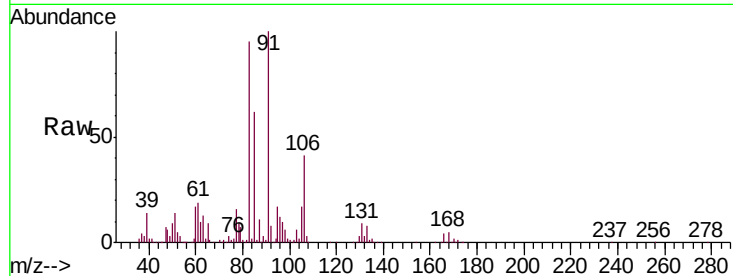




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.416 ppbv
 RT: 13.76 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

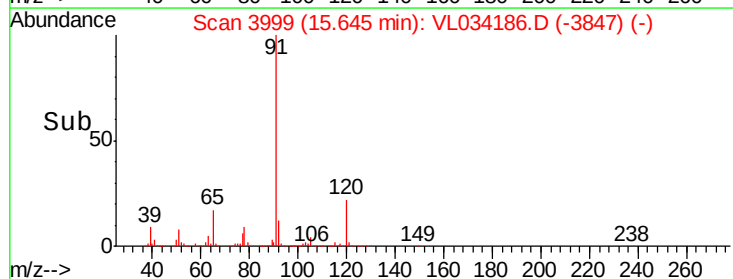
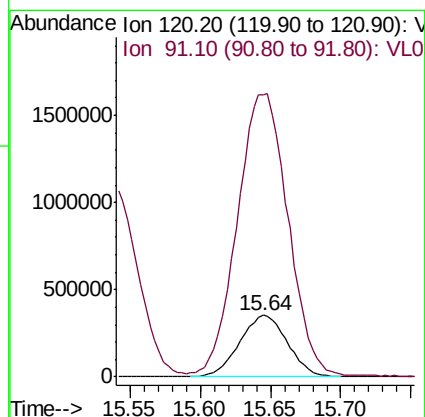
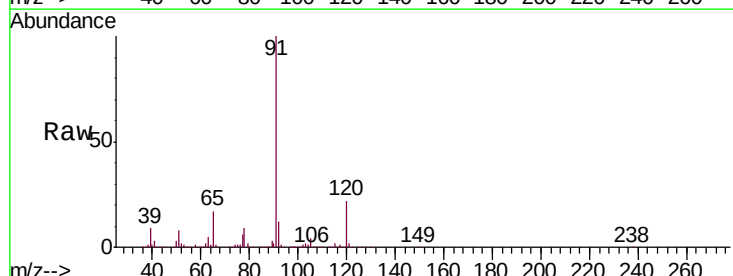
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

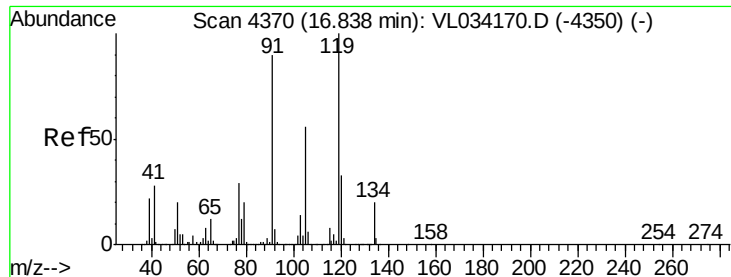
Tgt Ion: 83 Resp: 1817607
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.3 12.8
 85 65.2 32.8 98.4



#64
 n-propylbenzene
 Concen: 7.357 ppbv
 RT: 15.64 min Scan# 3999
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion: 120 Resp: 832467
 Ion Ratio Lower Upper
 120 100
 91 494.5 378.2 567.2

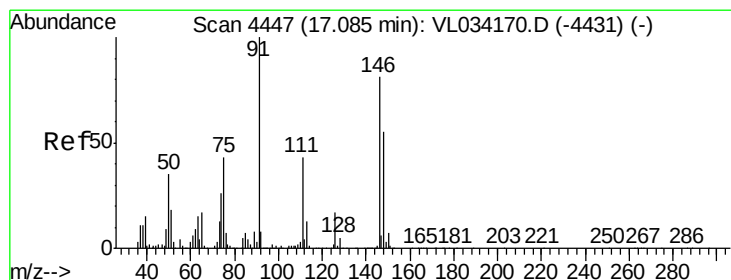
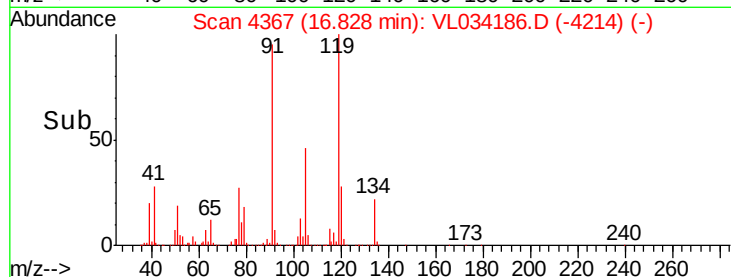
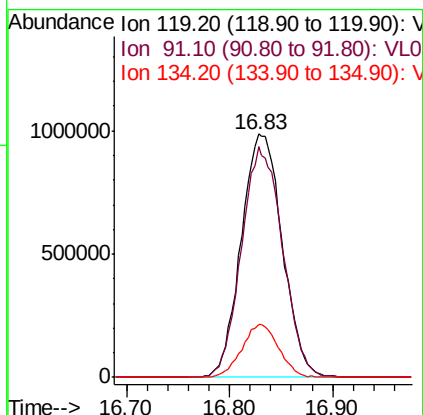
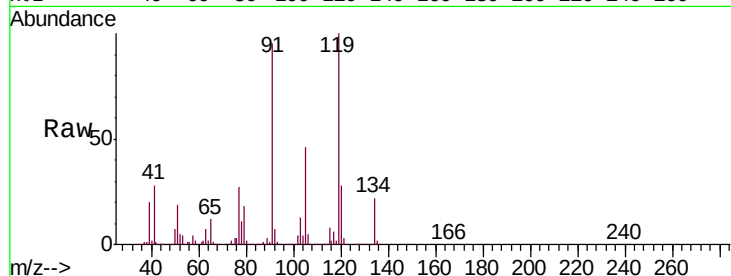




#65
 tert-Butylbenzene
 Concen: 6.989 ppbv
 RT: 16.83 min Scan# 4367
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

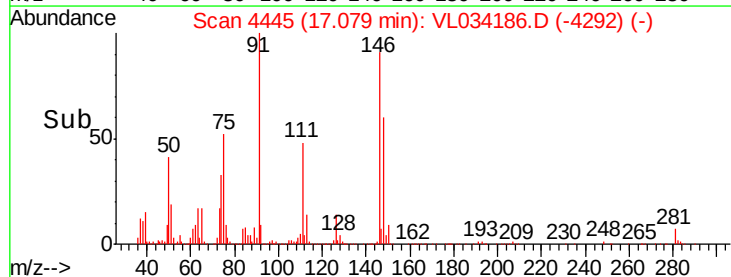
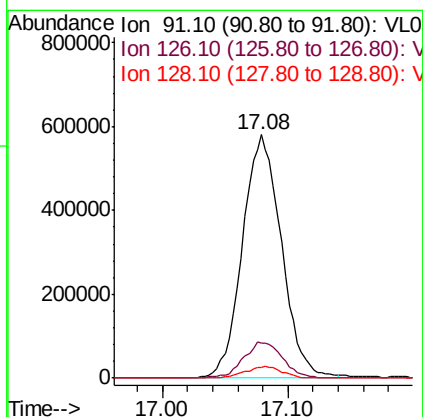
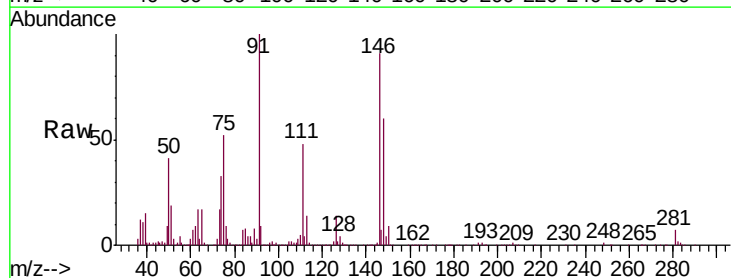
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

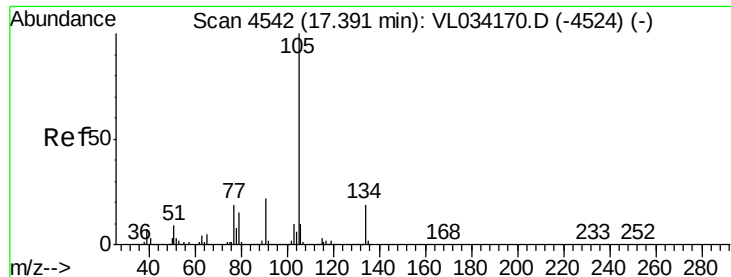
Tgt Ion: 119 Resp: 2731190
 Ion Ratio Lower Upper
 119 100
 91 94.8 74.9 112.3
 134 19.7 15.8 23.6



#66
 Benzyl Chloride
 Concen: 8.981 ppbv
 RT: 17.08 min Scan# 4445
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion: 91 Resp: 1241687
 Ion Ratio Lower Upper
 91 100
 126 15.2 12.6 19.0
 128 4.8 4.0 6.0





#67

sec-Butylbenzene

Concen: 7.129 ppbv

RT: 17.38 min Scan# 4539

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

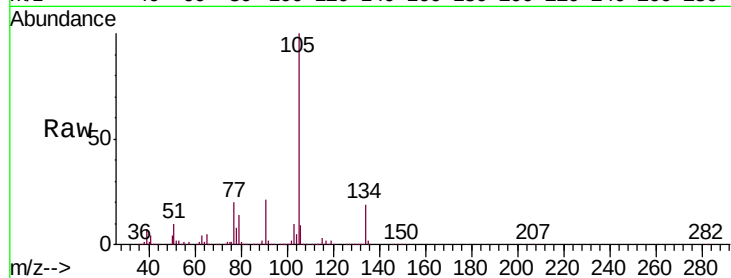
VL0918ABS01

Tgt Ion:105 Resp: 3983520

Ion Ratio Lower Upper

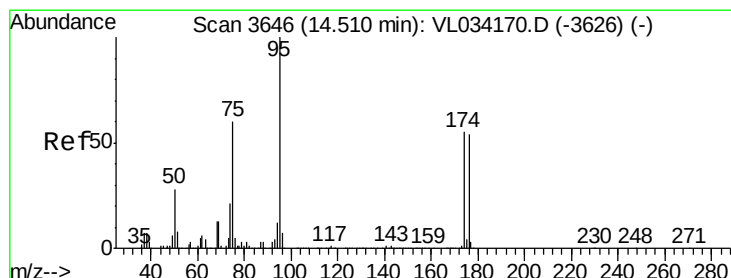
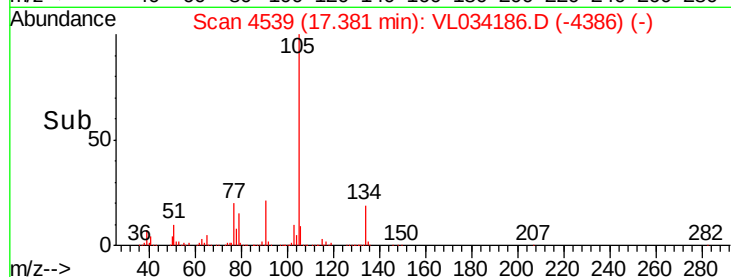
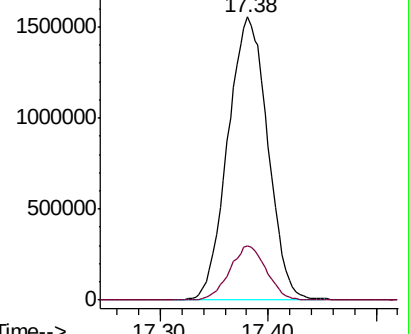
105 100

134 17.8 14.6 22.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.201 ppbv

RT: 14.50 min Scan# 3642

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

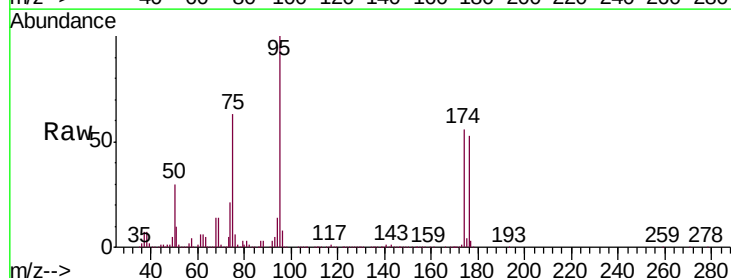
Tgt Ion: 95 Resp: 1842353

Ion Ratio Lower Upper

95 100

174 57.4 45.1 67.7

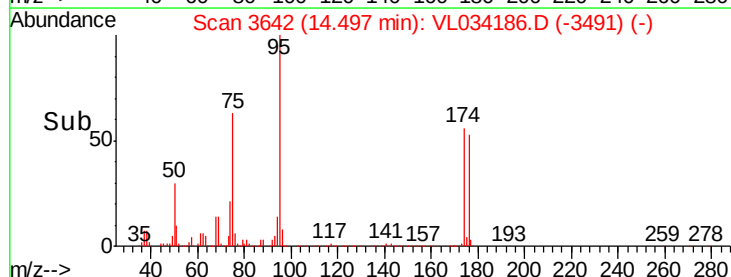
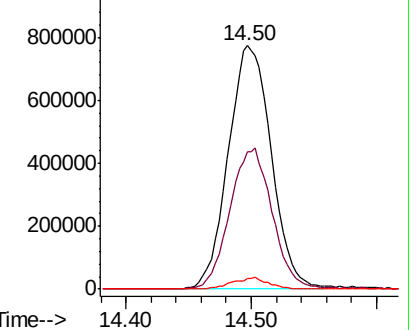
175 4.1 3.3 4.9

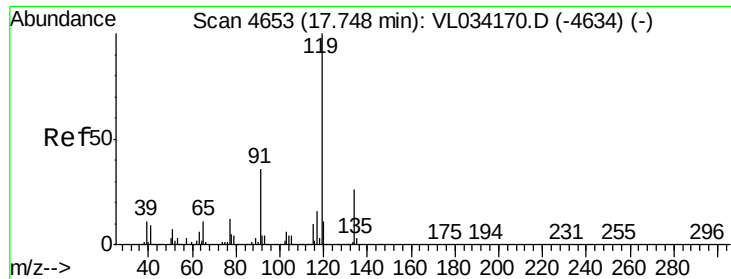


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

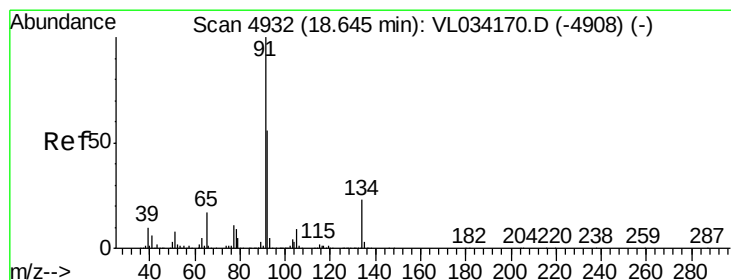
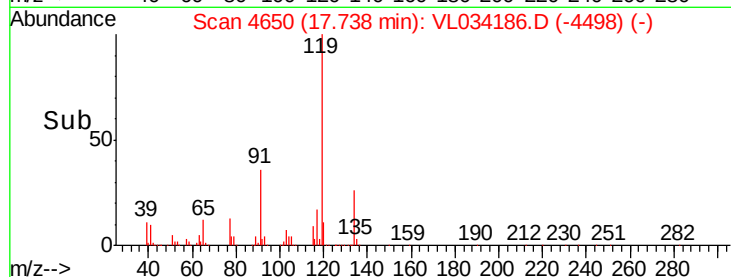
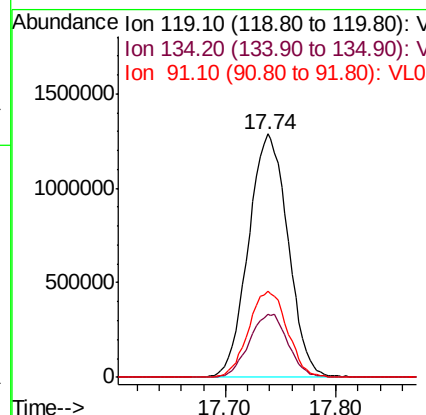
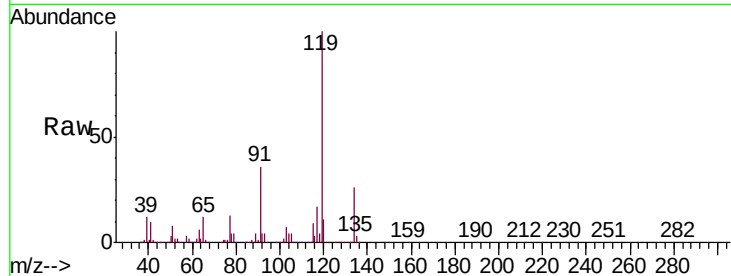




#69
 p-Isopropyltoluene
 Concen: 7.063 ppbv
 RT: 17.74 min Scan# 4650
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

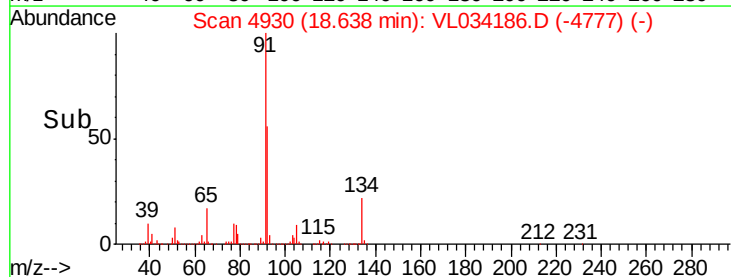
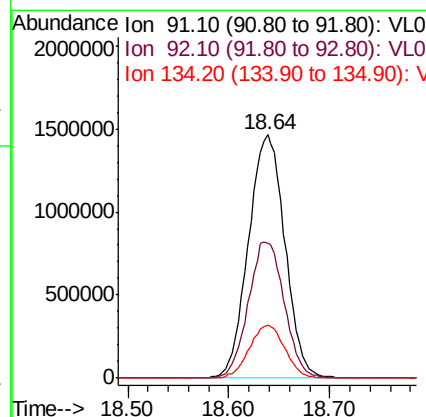
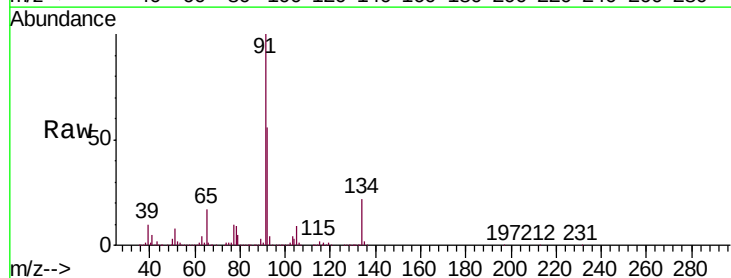
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

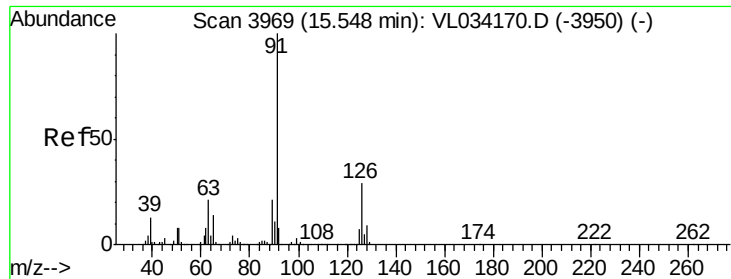
Tgt Ion: 119 Resp: 3195763
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 30.8
 91 34.9 27.6 41.4



#70
 n-Butylbenzene
 Concen: 6.947 ppbv
 RT: 18.64 min Scan# 4930
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion: 91 Resp: 3660294
 Ion Ratio Lower Upper
 91 100
 92 55.3 44.8 67.2
 134 21.2 17.3 25.9

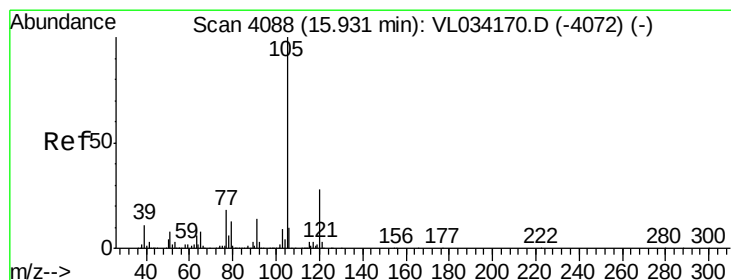
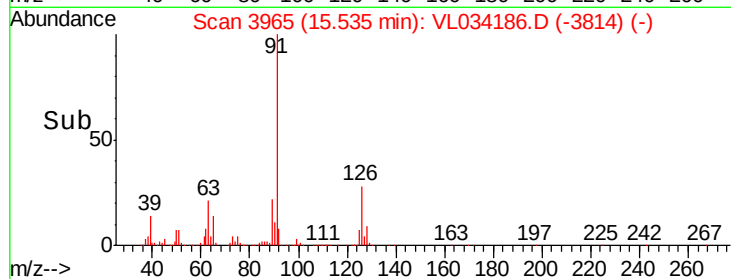
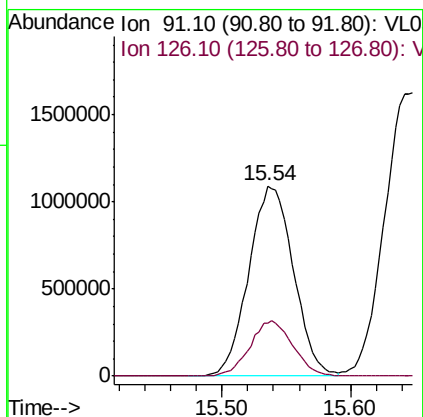
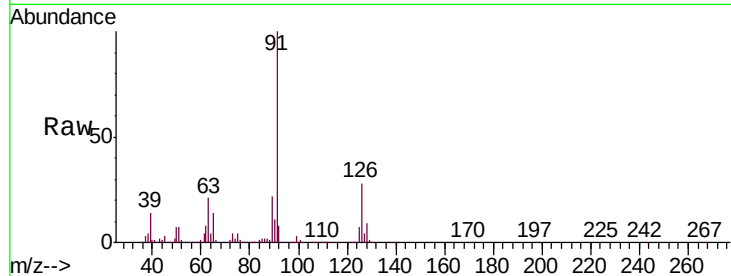




#71
 2-Chlorotoluene
 Concen: 7.200 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

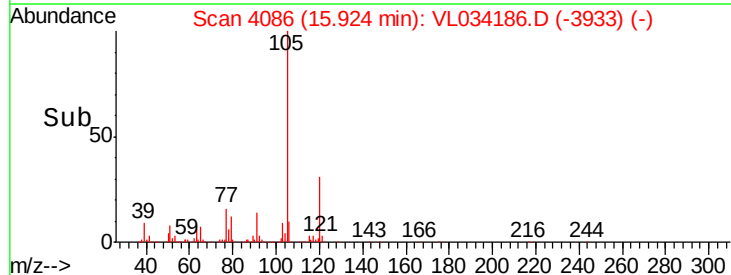
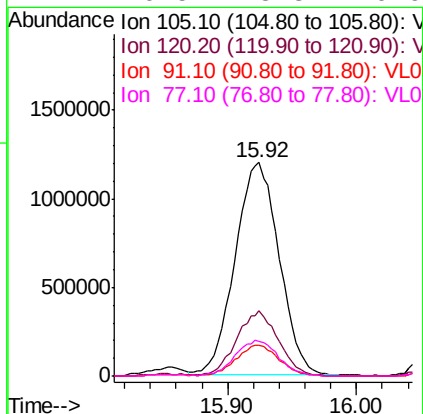
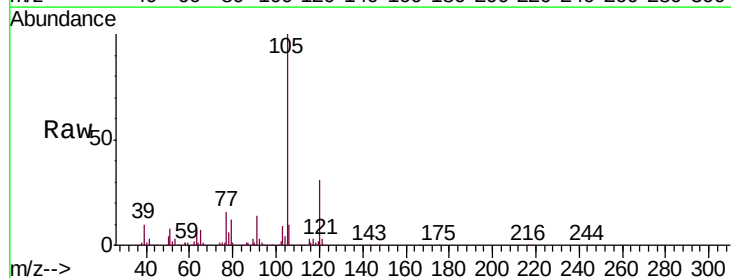
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

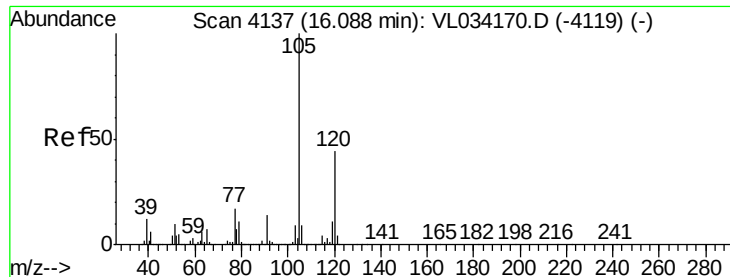
Tgt Ion: 91 Resp: 2630755
 Ion Ratio Lower Upper
 91 100
 126 28.1 11.2 45.0



#72
 4-Ethyltoluene
 Concen: 7.306 ppbv
 RT: 15.92 min Scan# 4086
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion: 105 Resp: 2851644
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.3 34.9
 91 14.0 11.4 17.2
 77 16.5 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 7.301 ppbv

RT: 16.08 min Scan# 4135

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

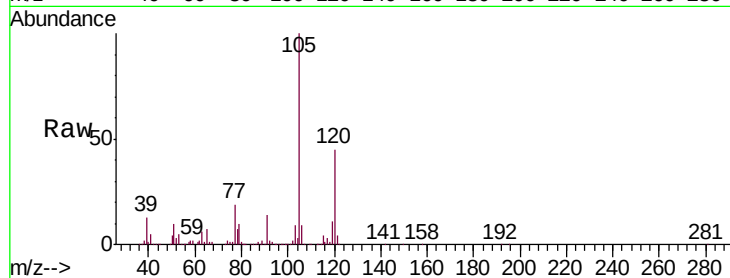
VL0918ABS01

Tgt Ion:105 Resp: 2753081

Ion Ratio Lower Upper

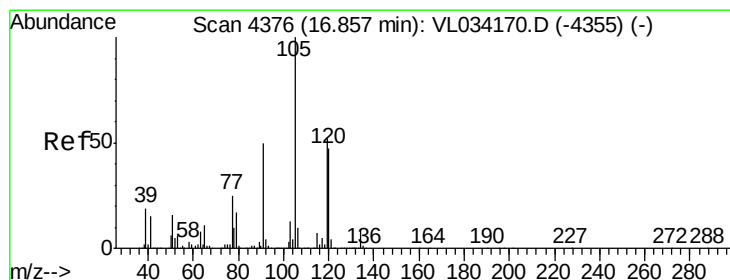
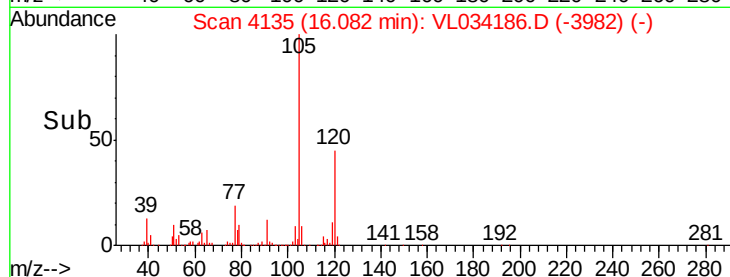
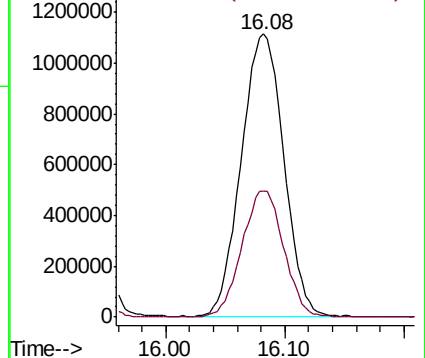
105 100

120 44.7 35.6 53.4



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: 6.867 ppbv

RT: 16.85 min Scan# 4374

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tgt Ion:105 Resp: 2749270

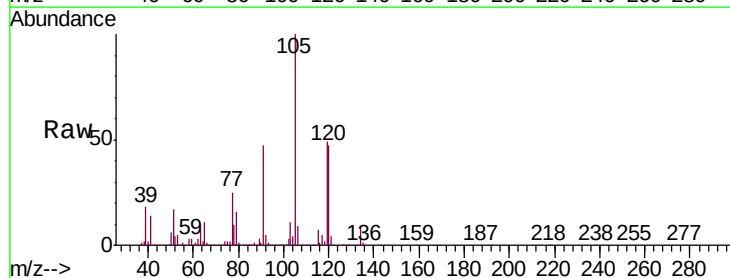
Ion Ratio Lower Upper

105 100

120 46.8 37.5 56.3

91 46.4 41.1 61.7

77 25.2 19.9 29.9

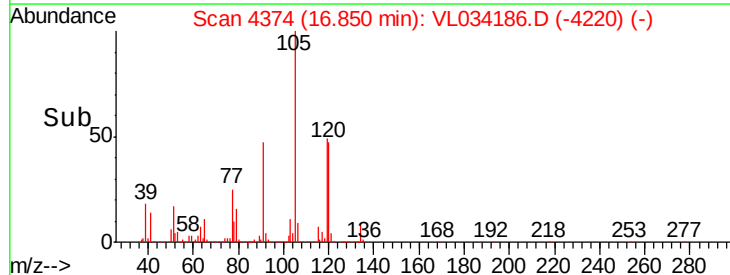
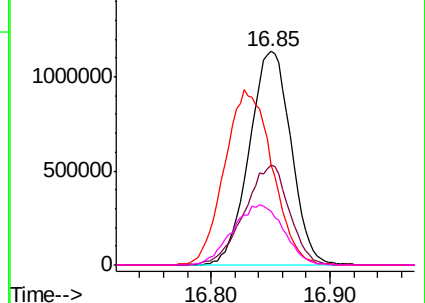


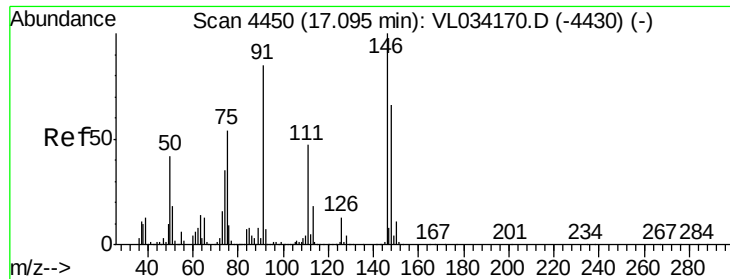
Abundance Ion 105.10 (104.80 to 105.80): V

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

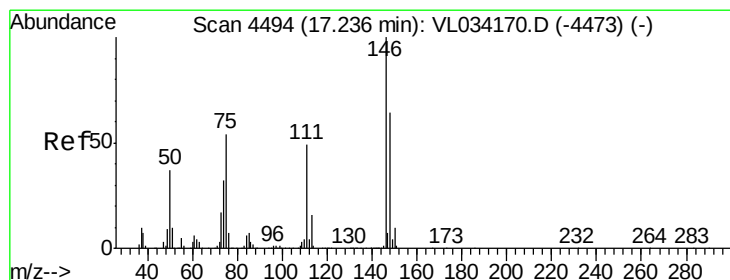
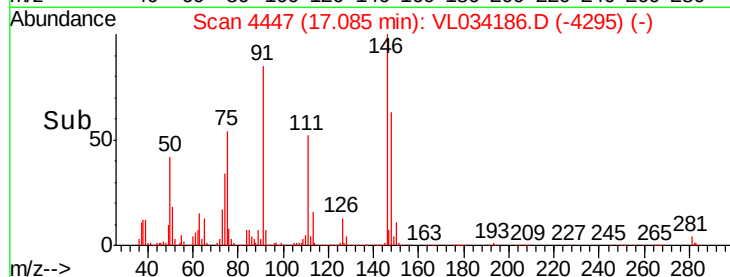
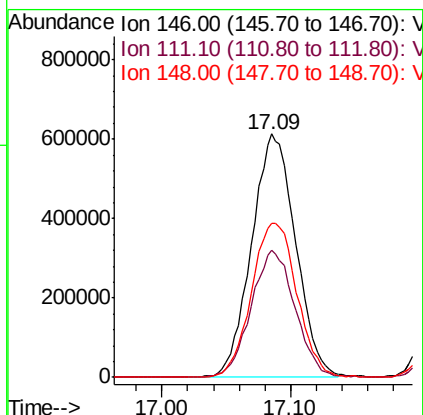
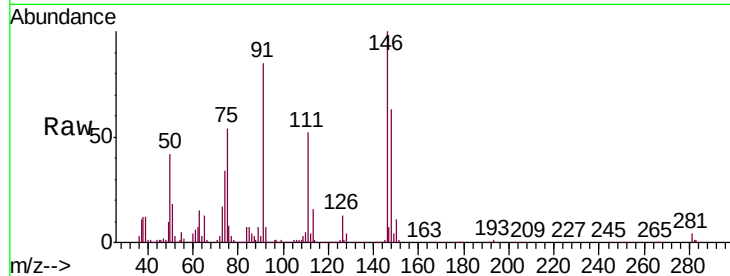




#75
 1,3-Dichlorobenzene
 Concen: 6.790 ppbv
 RT: 17.09 min Scan# 4447
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

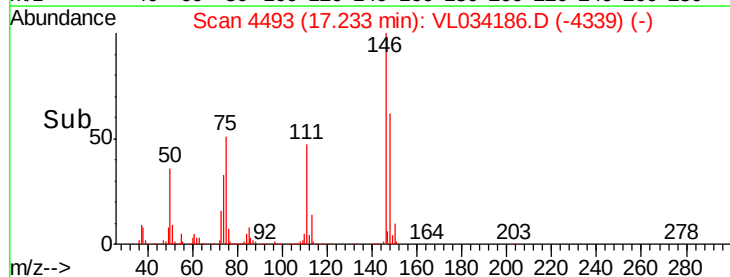
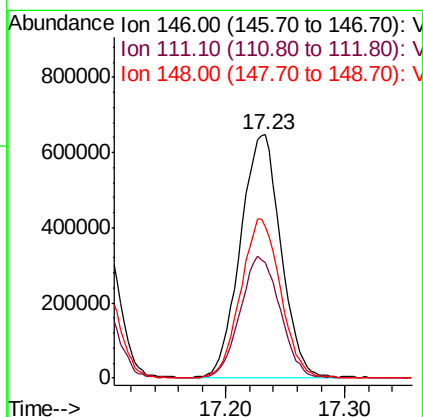
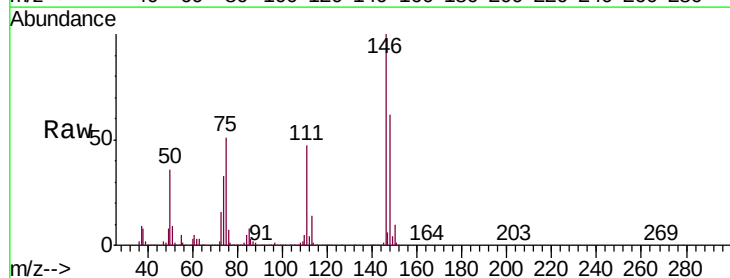
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

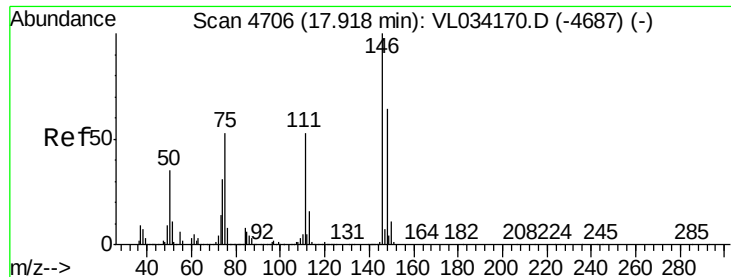
Tgt Ion:146 Resp: 1458700
 Ion Ratio Lower Upper
 146 100
 111 51.9 25.9 77.8
 148 65.5 32.6 97.7



#76
 1,4-Dichlorobenzene
 Concen: 6.876 ppbv
 RT: 17.23 min Scan# 4493
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion:146 Resp: 1512792
 Ion Ratio Lower Upper
 146 100
 111 49.9 24.6 74.0
 148 65.1 32.4 97.0

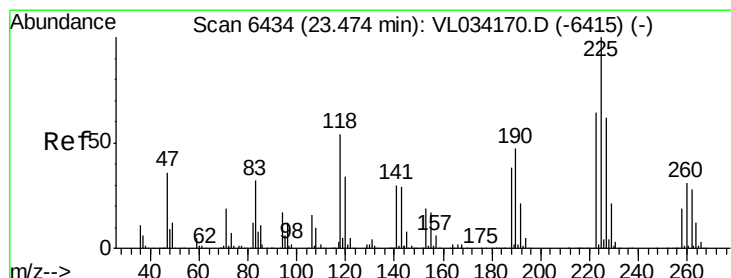
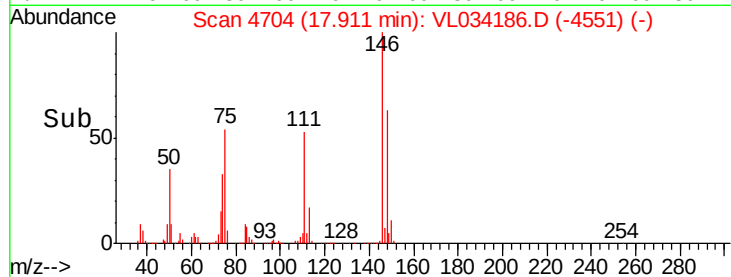
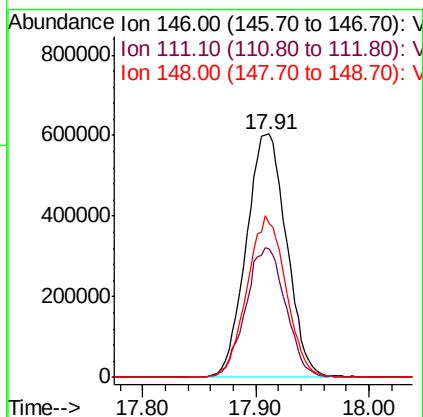
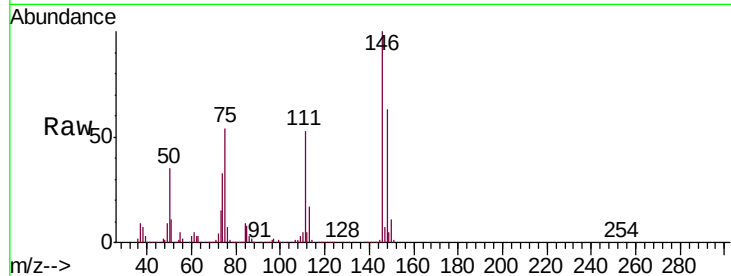




#77
 1,2-Dichlorobenzene
 Concen: 6.871 ppbv
 RT: 17.91 min Scan# 4704
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

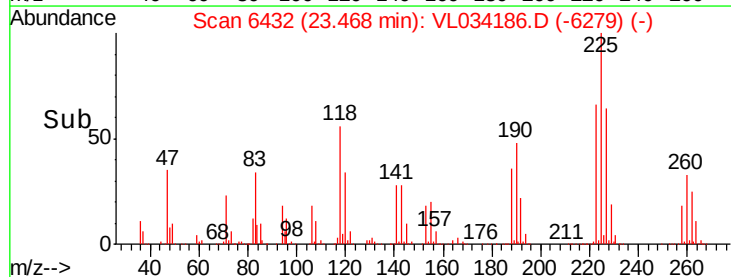
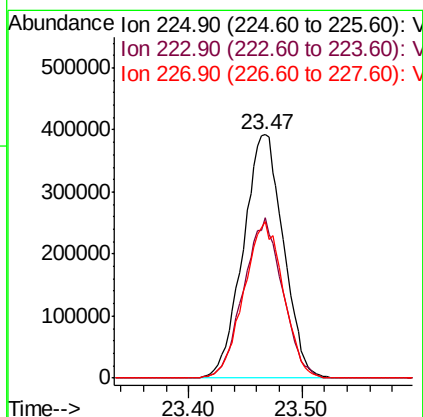
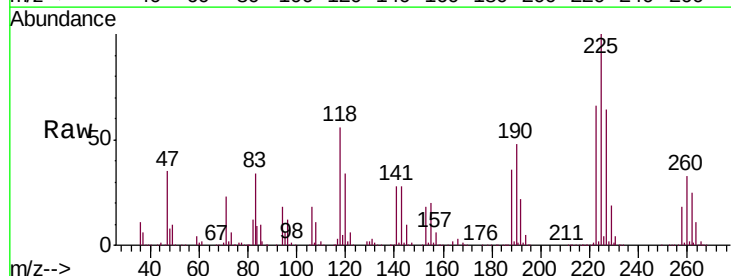
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

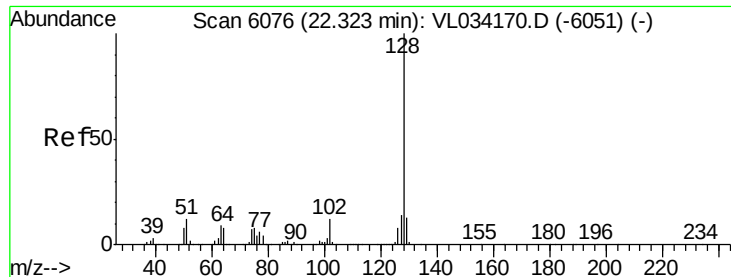
Tgt Ion:146 Resp: 1493847
 Ion Ratio Lower Upper
 146 100
 111 53.1 26.1 78.3
 148 64.0 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.747 ppbv
 RT: 23.47 min Scan# 6432
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion:225 Resp: 971634
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.7 77.5
 227 62.9 52.1 78.1





#79

Naphthalene

Concen: 7.067 ppbv

RT: 22.31 min Scan# 6073

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

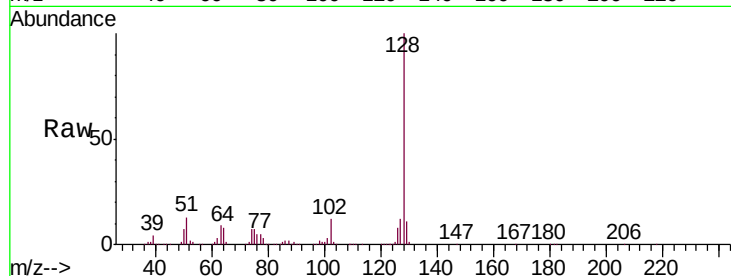
Tgt Ion:128 Resp: 2490841

Ion Ratio Lower Upper

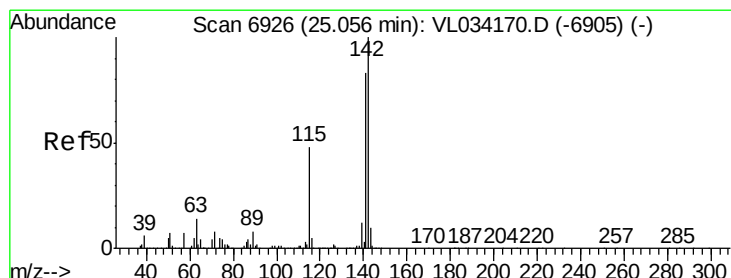
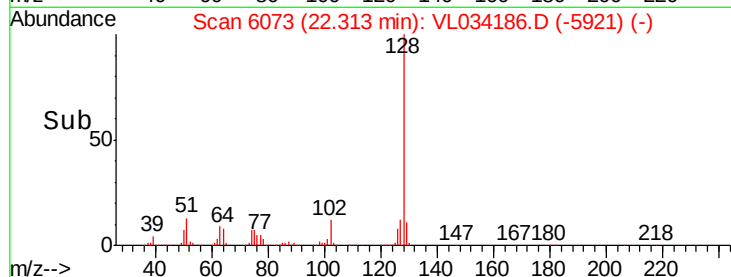
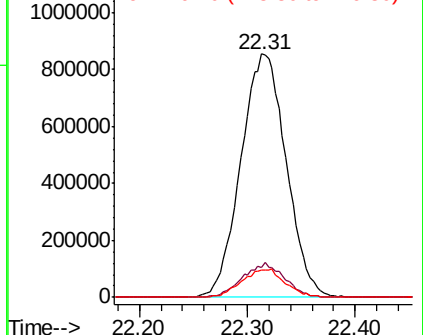
128 100

127 12.2 11.1 16.7

129 11.1 10.2 15.4



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: 3.439 ppbv

RT: 25.05 min Scan# 6925

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

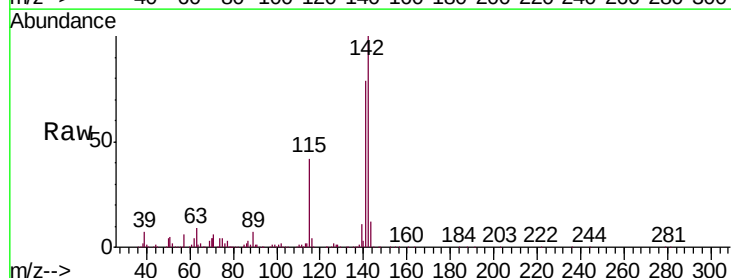
Tgt Ion:142 Resp: 563717

Ion Ratio Lower Upper

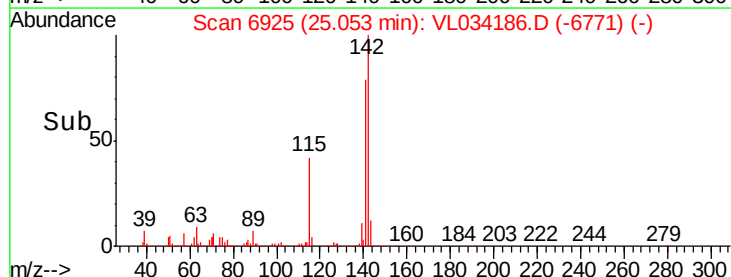
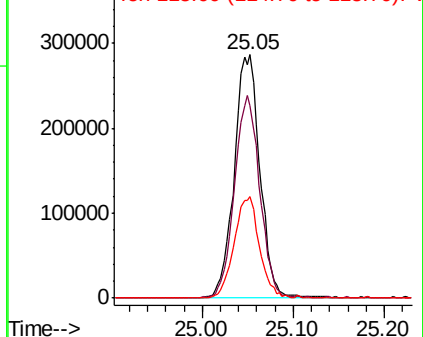
142 100

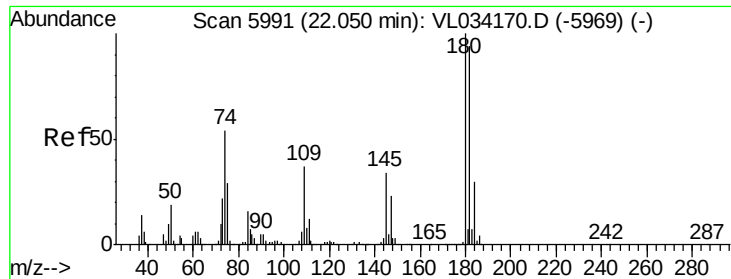
141 82.1 67.6 101.4

115 41.2 36.9 55.3



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: 6.877 ppbv
 RT: 22.04 min Scan# 5988
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tgt Ion:180 Resp: 1342689
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.4 116.2
 184 31.2 25.0 37.4

