

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
 Data File : VL034383.D
 Acq On : 19 Nov 2019 17:33
 Operator : SY/AP
 Sample : VL1119ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

Quant Time: Nov 20 04:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 20 03:30:54 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1007558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2084691	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2649389	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1786713	8.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1837331	10.080	ppbv	99
3) Chlorodifluoromethane	2.96	51	1133988	9.020	ppbv	100
4) Chloromethane	3.11	50	695365	9.378	ppbv	99
5) Vinyl Chloride	3.23	62	630258	9.072	ppbv	92
6) Bromomethane	3.45	94	331919	9.495	ppbv	99
7) Chloroethane	3.54	64	231978	9.200	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1453026	8.877	ppbv	100
9) Propene	2.98	41	512286	9.179	ppbv	97
10) Heptane	8.16	43	1367555	9.495	ppbv	100
11) Trichlorofluoromethane	3.94	101	1619636	8.928	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1088751	9.037	ppbv	100
13) Ethanol	3.59	45	118770	7.266	ppbv	93
14) Bromoethene	3.72	108	453219	9.252	ppbv	99
15) Acetone	3.84	43	1262240	8.749	ppbv	99
16) 1,3-Butadiene	3.30	39	592376	9.426	ppbv	100
17) tert-Butyl alcohol	4.29	59	1152884	9.506	ppbv	99
18) 1,1-Dichloroethene	4.28	96	493405	9.363	ppbv	90
19) Isopropyl Alcohol	3.96	45	936885	8.928	ppbv	100
20) Methylene Chloride	4.34	84	431652	8.437	ppbv	97
21) Allyl Chloride	4.41	41	845464	9.779	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	508873	9.579	ppbv	94
23) Vinyl Acetate	5.08	43	1872905	9.937	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1344670	9.288	ppbv	99
25) Ethyl Acetate	5.69	43	2347886	9.120	ppbv	100
26) Hexane	5.70	57	1013335	9.160	ppbv	100
27) Carbon Disulfide	4.55	76	1261121	10.466	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1735236	9.459	ppbv	100
29) Chloroform	5.77	83	1629150	9.094	ppbv	97
30) Cyclohexane	7.16	84	802482	9.595	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1107192	9.685	ppbv	96
32) 1,1,1-Trichloroethane	6.54	97	1637679	9.750	ppbv	100
34) 2-Butanone	5.25	43	1578336	9.198	ppbv	99
35) Carbon Tetrachloride	7.04	117	1685945	9.406	ppbv	98
36) Benzene	6.92	78	1951723	9.366	ppbv	95
37) 1,2-Dichloroethane	6.33	62	1403585	9.066	ppbv	100
38) Trichloroethene	7.87	130	753037	8.805	ppbv	99
39) 1,2-Dichloropropane	7.65	63	813581	9.209	ppbv	96
40) 1,4-Dioxane	7.86	88	322913	9.207	ppbv #	100
41) Tetrahydrofuran	6.06	42	908507	9.439	ppbv	99
42) Bromodichloromethane	7.83	83	1810046	9.348	ppbv	100
43) Methyl Methacrylate	8.05	69	834723	9.657	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
 Data File : VL034383.D
 Acq On : 19 Nov 2019 17:33
 Operator : SY/AP
 Sample : VL1119ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

Quant Time: Nov 20 04:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 20 03:30:54 2019
 QLast Update : Wed Nov 20 03:30:54 2019
 Response via : Initial Calibration

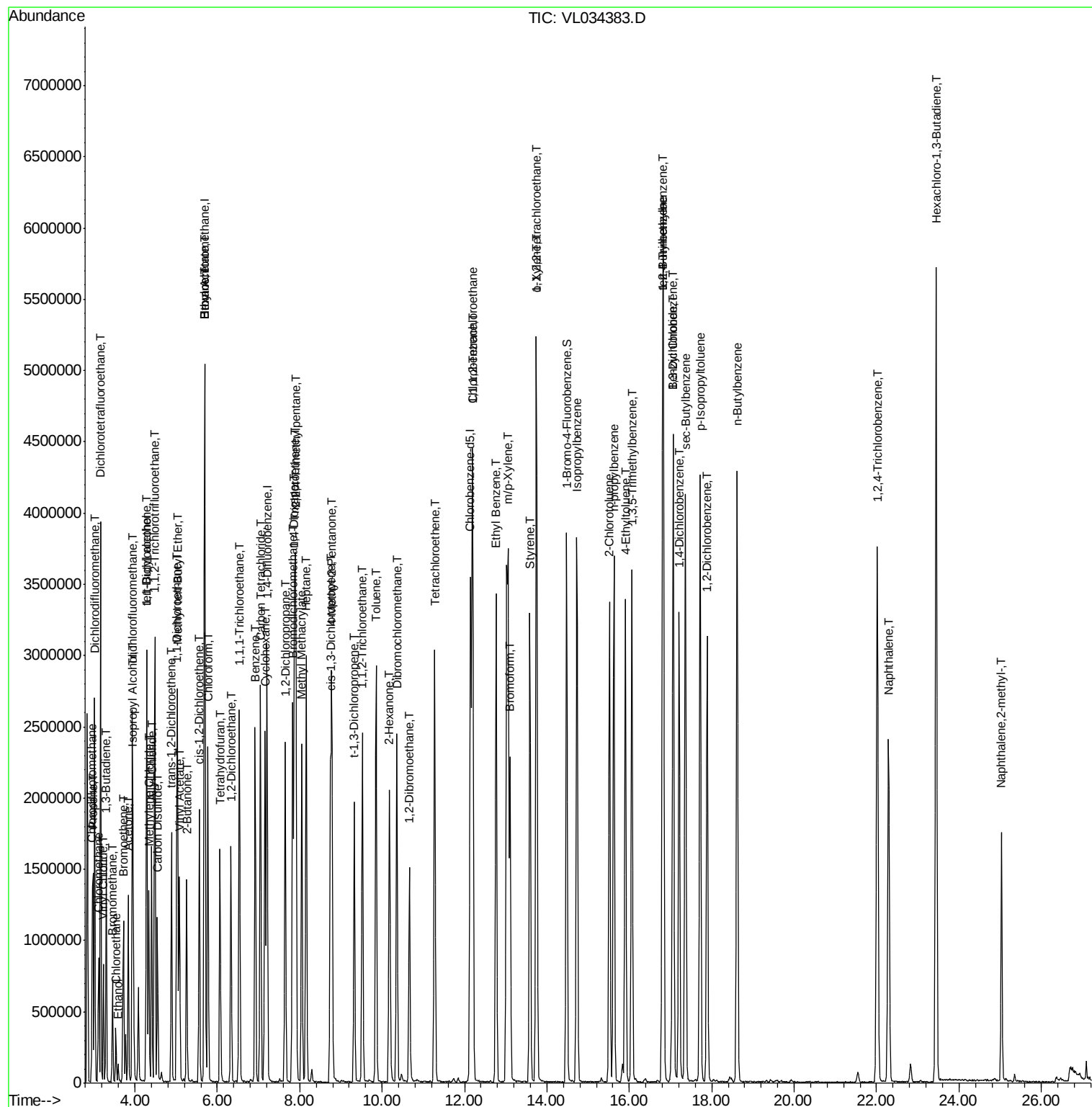
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3468102	9.106	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1144783	10.327	ppbv	96
46) cis-1,3-Dichloropropene	8.75	75	1263668	10.149	ppbv	99
47) 1,1,2-Trichloroethane	9.52	97	813968	9.114	ppbv	97
48) Dibromochloromethane	10.36	129	1473006	9.606	ppbv	99
49) Bromoform	13.10	173	1285963	9.395	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2327439	9.374	ppbv	100
51) 2-Hexanone	10.18	43	1971984	9.482	ppbv	99
52) Tetrachloroethene	11.28	164	740401	8.211	ppbv	94
53) Toluene	9.85	91	2230140	9.421	ppbv	99
54) 1,2-Dibromoethane	10.66	107	1233692	9.010	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	381178	2.941	ppbv #	1
57) Chlorobenzene	12.20	112	1661522	6.938	ppbv	96
58) Ethyl Benzene	12.77	91	3050173	7.419	ppbv	99
59) m/p-Xylene	13.06	91	1542924	4.341	ppbv #	1
60) o-Xylene	13.75	91	2508233	7.138	ppbv	99
61) Styrene	13.59	104	1891023	7.463	ppbv	99
62) Isopropylbenzene	14.73	105	3263066	7.021	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1688086	6.391	ppbv	100
64) n-propylbenzene	15.63	120	836476	6.931	ppbv	95
65) tert-Butylbenzene	16.81	119	2850661	6.829	ppbv	99
66) Benzyl Chloride	17.06	91	1320916	8.225	ppbv	99
67) sec-Butylbenzene	17.36	105	3959553	6.781	ppbv	99
69) p-Isopropyltoluene	17.72	119	3330297	6.872	ppbv	100
70) n-Butylbenzene	18.62	91	3568285	6.843	ppbv	100
71) 2-Chlorotoluene	15.52	91	2553794	6.892	ppbv	99
72) 4-Ethyltoluene	15.91	105	2874764	7.080	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2737058	6.887	ppbv	99
74) 1,2,4-Trimethylbenzene	16.83	105	2786120	6.599	ppbv #	91
75) 1,3-Dichlorobenzene	17.07	146	1581501	6.517	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1588687	6.742	ppbv	99
77) 1,2-Dichlorobenzene	17.89	146	1548306	6.606	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1521873	7.557	ppbv	99
79) Naphthalene	22.29	128	3067662	8.382	ppbv	99
80) Naphthalene,2-methyl-	25.03	142	962686	5.825	ppbv	96
81) 1,2,4-Trichlorobenzene	22.02	180	1776186	7.900	ppbv	99

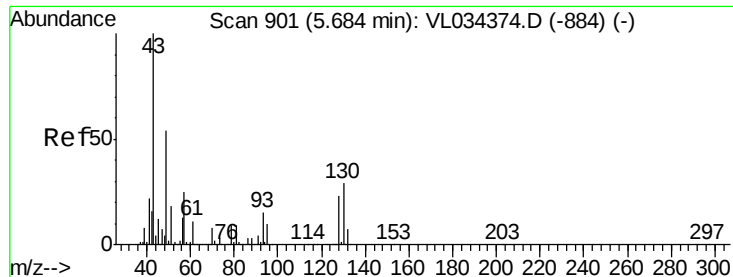
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
Data File : VL034383.D
Acq On : 19 Nov 2019 17:33
Operator : SY/AP
Sample : VL1119ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

Quant Time: Nov 20 04:05:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 20 03:30:54 2019
QLast Update : Wed Nov 20 03:30:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

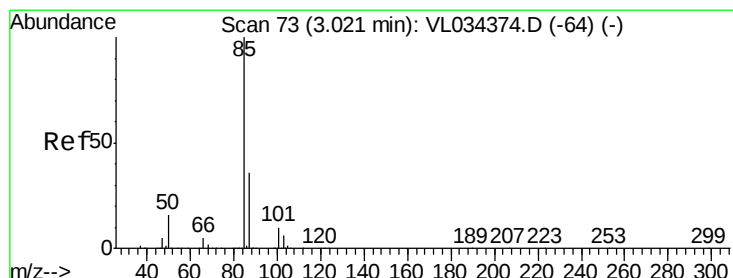
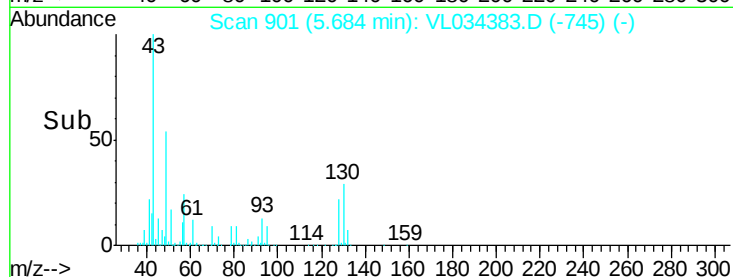
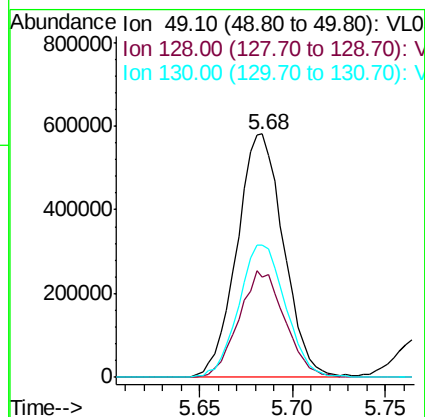
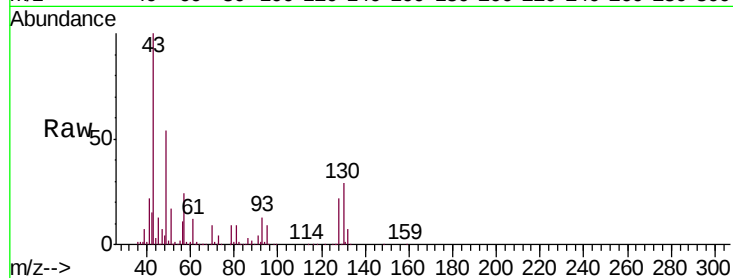
Tgt Ion: 49 Resp: 1007558

Ion Ratio Lower Upper

49 100

128 43.4 21.8 65.3

130 55.5 28.0 84.0



#2

Dichlorodifluoromethane

Concen: 10.080 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL034383.D

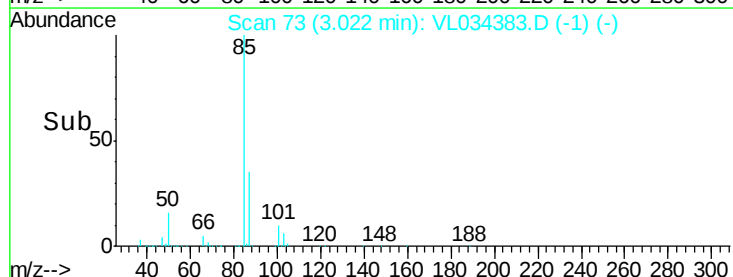
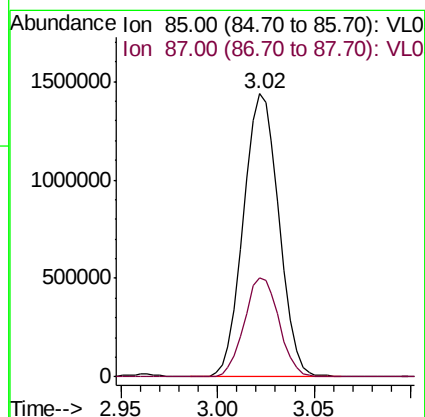
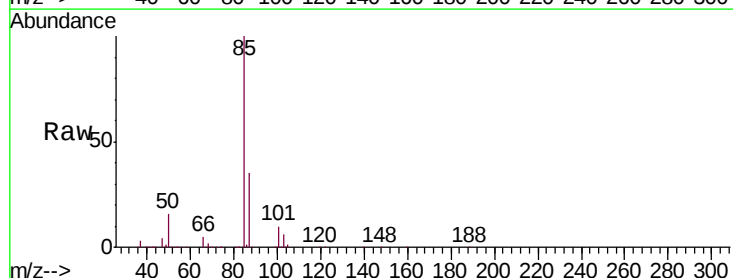
Acq: 19 Nov 2019 17:33

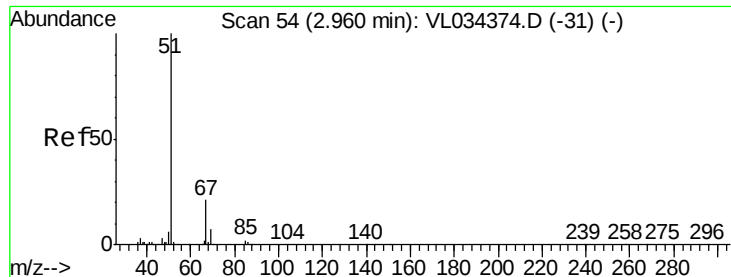
Tgt Ion: 85 Resp: 1837331

Ion Ratio Lower Upper

85 100

87 34.8 28.5 42.7





#3

Chlorodifluoromethane

Concen: 9.020 ppbv

RT: 2.96 min Scan# 54

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

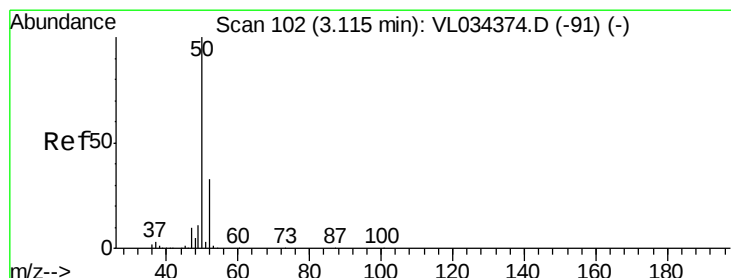
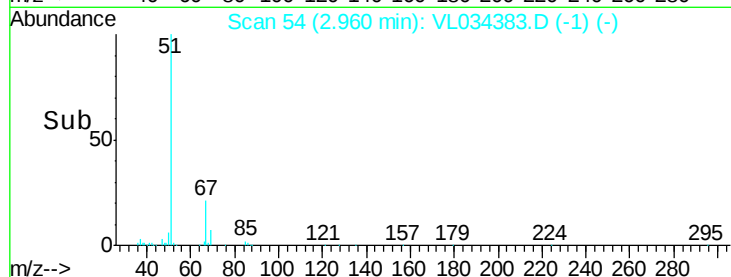
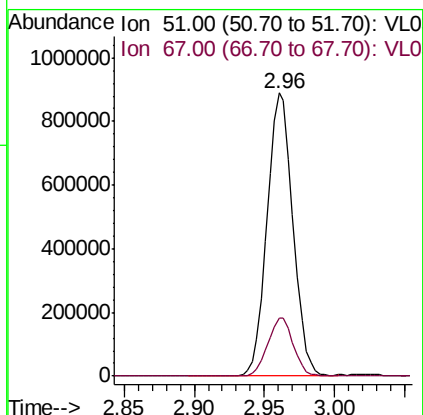
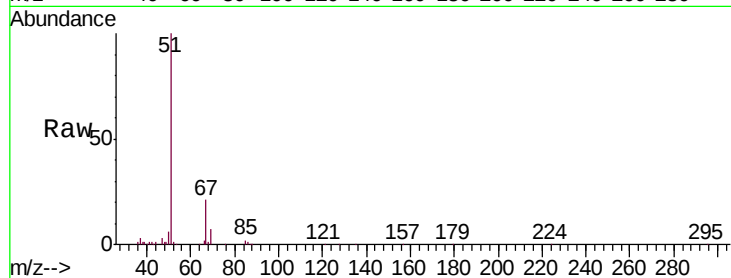
VL1119ABS01

Tgt Ion: 51 Resp: 1133988

Ion Ratio Lower Upper

51 100

67 20.4 16.2 24.2



#4

Chloromethane

Concen: 9.378 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.00 min

Lab File: VL034383.D

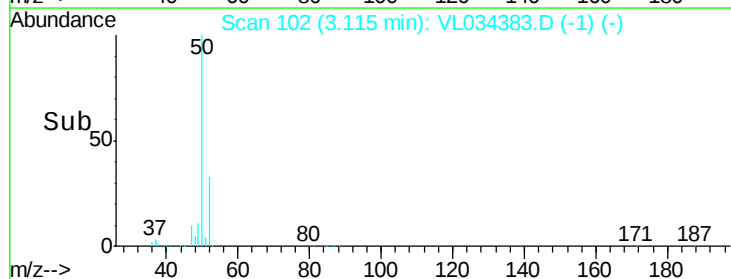
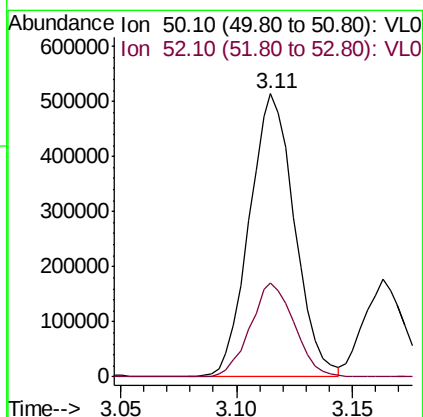
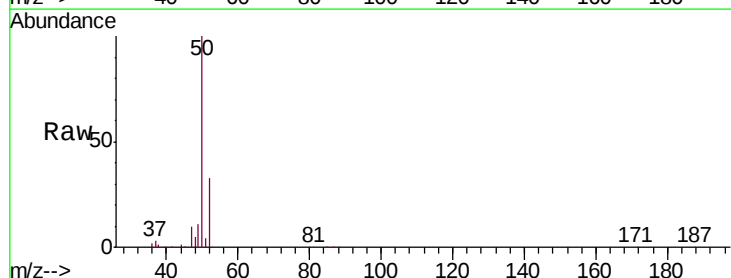
Acq: 19 Nov 2019 17:33

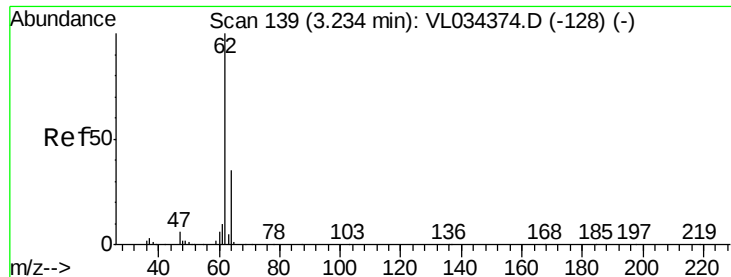
Tgt Ion: 50 Resp: 695365

Ion Ratio Lower Upper

50 100

52 33.1 26.8 40.2





#5

Vinyl Chloride

Concen: 9.072 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

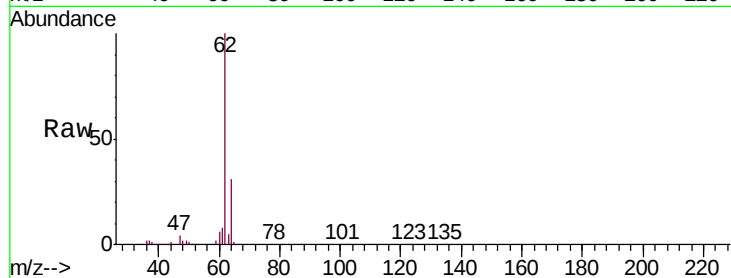
VL1119ABS01

Tgt Ion: 62 Resp: 630258

Ion Ratio Lower Upper

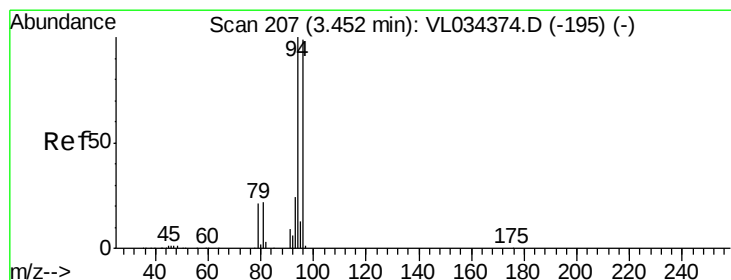
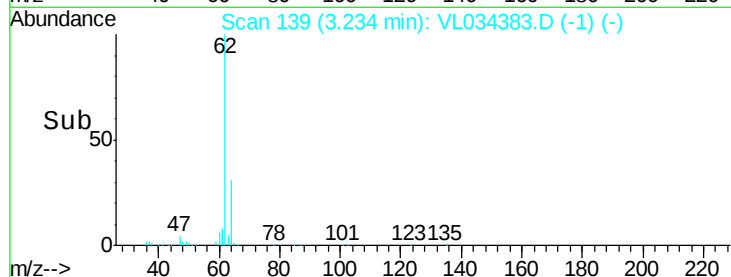
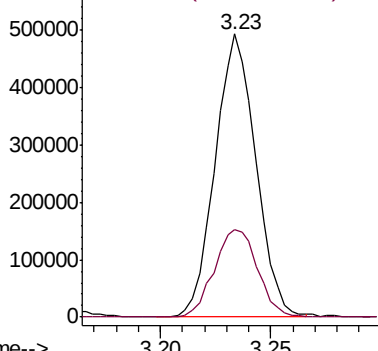
62 100

64 30.9 28.4 42.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.495 ppbv

RT: 3.45 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL034383.D

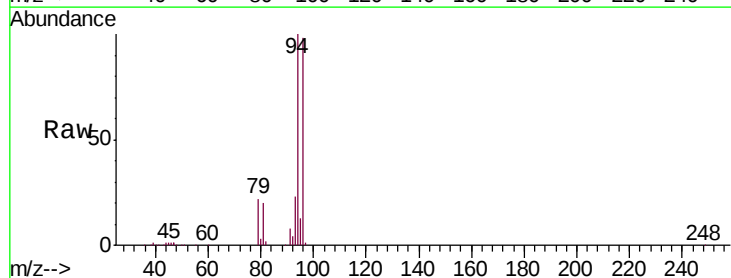
Acq: 19 Nov 2019 17:33

Tgt Ion: 94 Resp: 331919

Ion Ratio Lower Upper

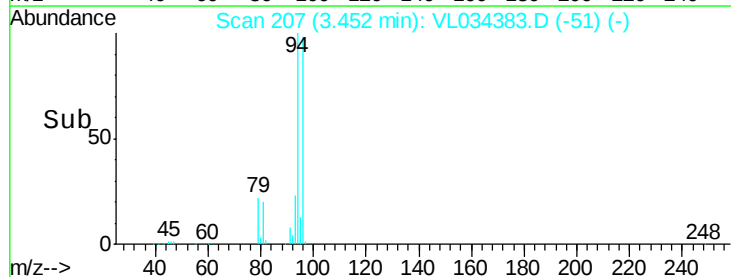
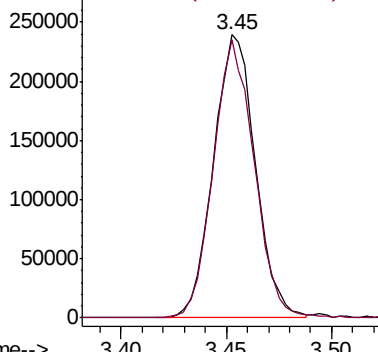
94 100

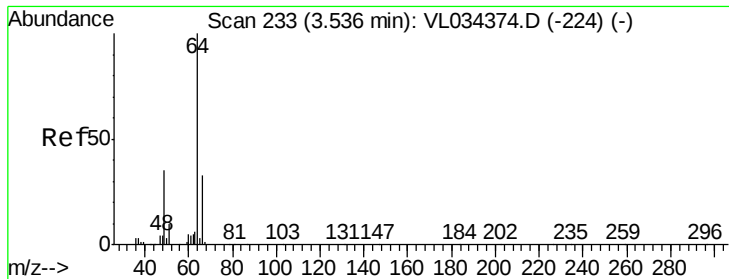
96 98.2 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.200 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

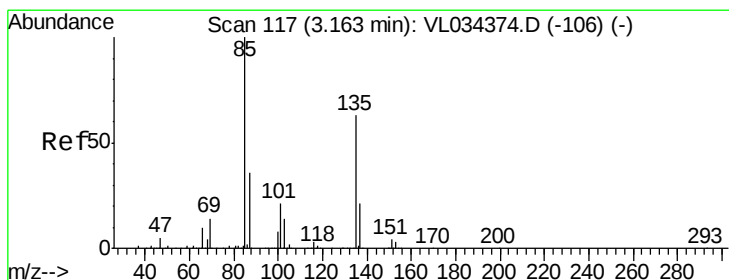
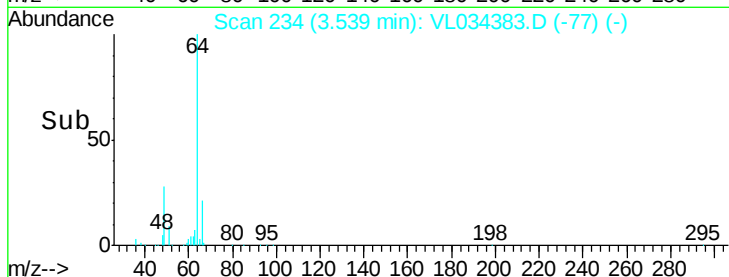
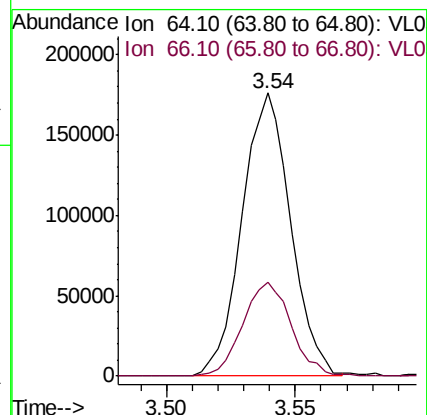
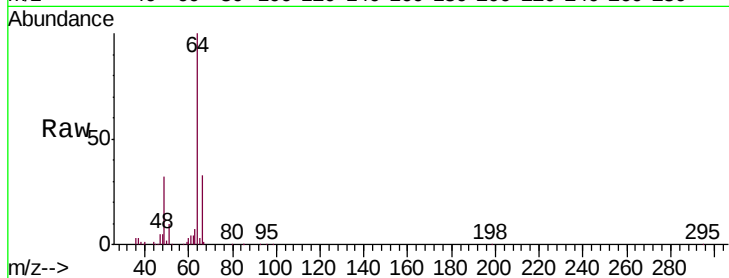
VL1119ABS01

Tgt Ion: 64 Resp: 231978

Ion Ratio Lower Upper

64 100

66 33.4 26.0 39.0



#8

Dichlorotetrafluoroethane

Concen: 8.877 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.00 min

Lab File: VL034383.D

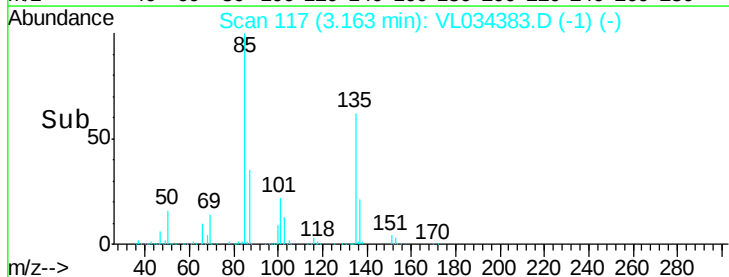
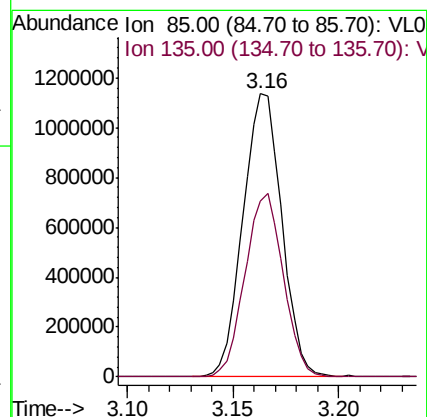
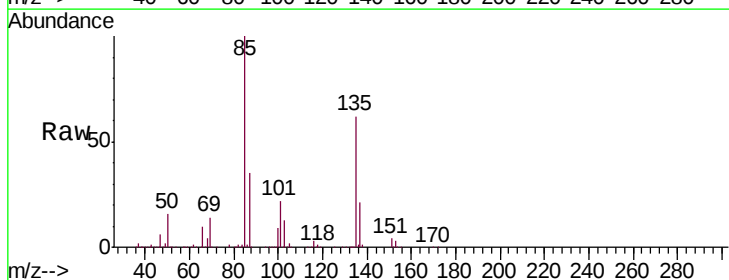
Acq: 19 Nov 2019 17:33

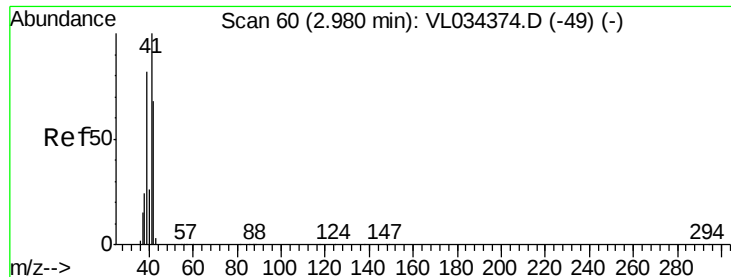
Tgt Ion: 85 Resp: 1453026

Ion Ratio Lower Upper

85 100

135 63.9 51.1 76.7





#9

Propene

Concen: 9.179 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

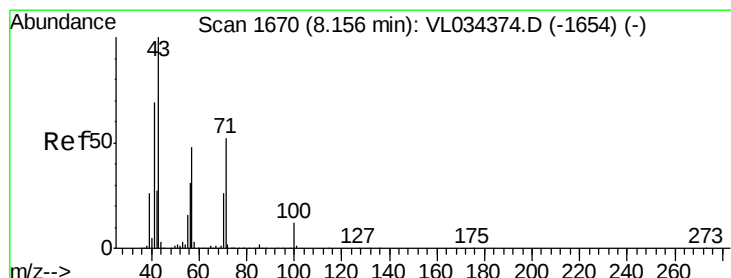
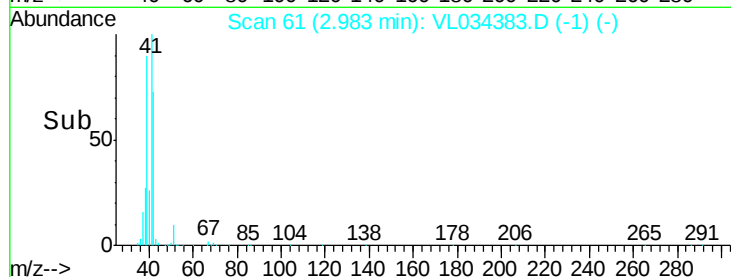
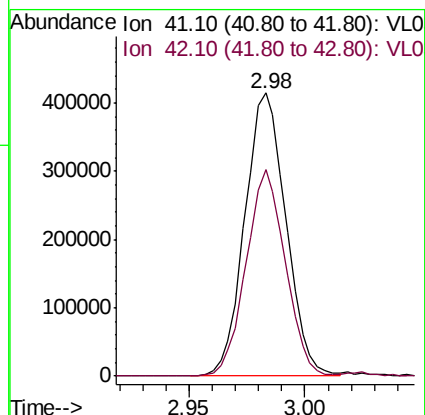
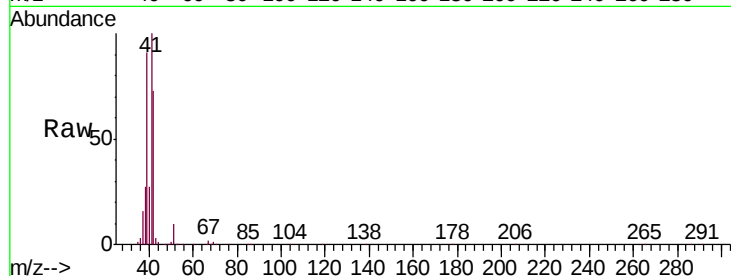
VL1119ABS01

Tgt Ion: 41 Resp: 512286

Ion Ratio Lower Upper

41 100

42 70.8 54.6 82.0



#10

Heptane

Concen: 9.495 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VL034383.D

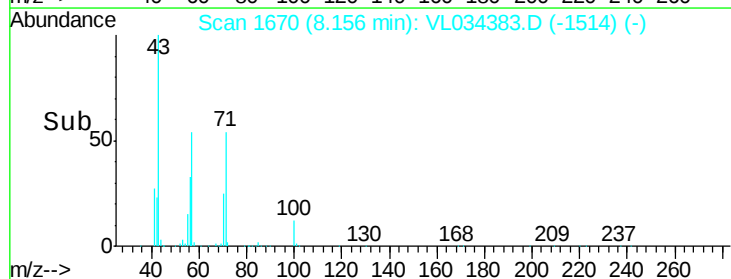
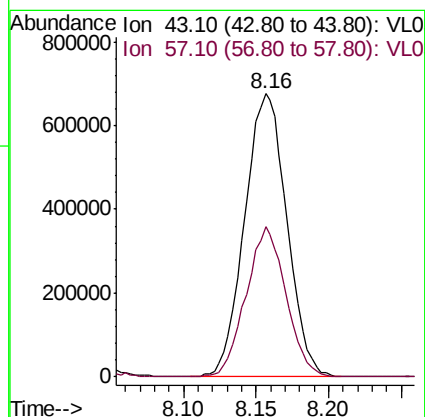
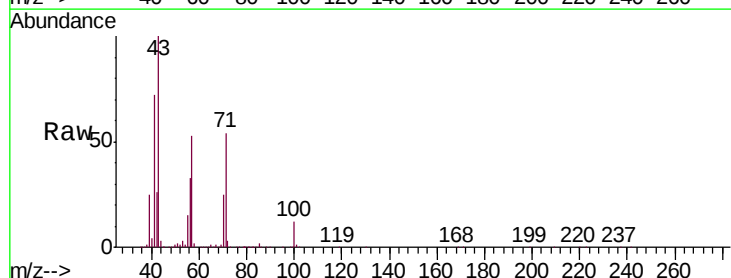
Acq: 19 Nov 2019 17:33

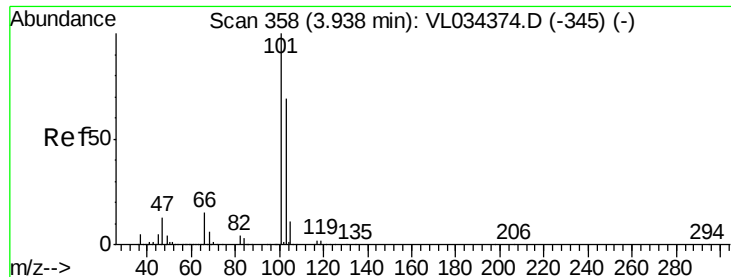
Tgt Ion: 43 Resp: 1367555

Ion Ratio Lower Upper

43 100

57 50.4 40.2 60.2





#11

Trichlorofluoromethane

Concen: 8.928 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

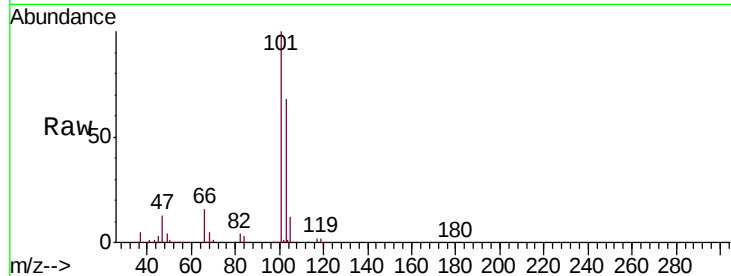
VL1119ABS01

Tgt Ion:101 Resp: 1619636

Ion Ratio Lower Upper

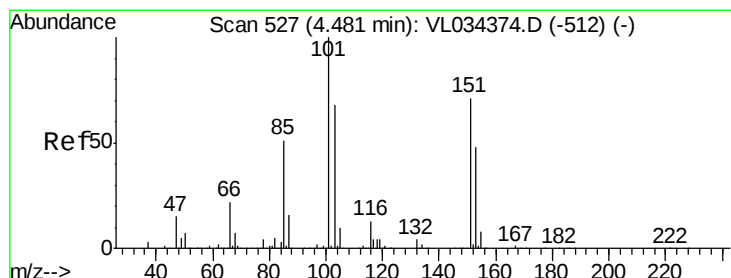
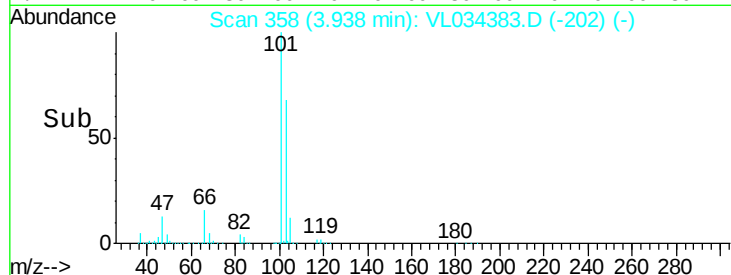
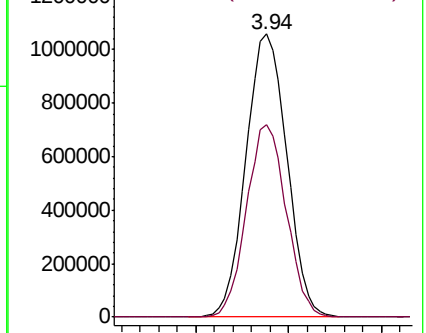
101 100

103 68.1 55.4 83.0



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: 9.037 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL034383.D

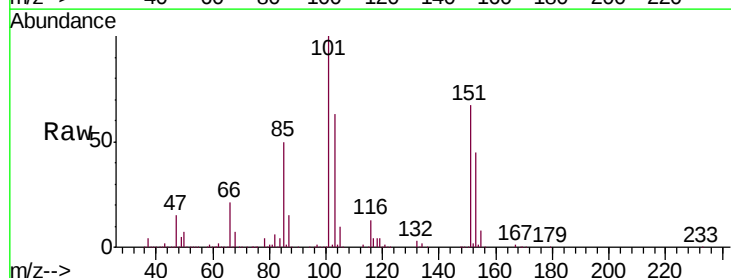
Acq: 19 Nov 2019 17:33

Tgt Ion:101 Resp: 1088751

Ion Ratio Lower Upper

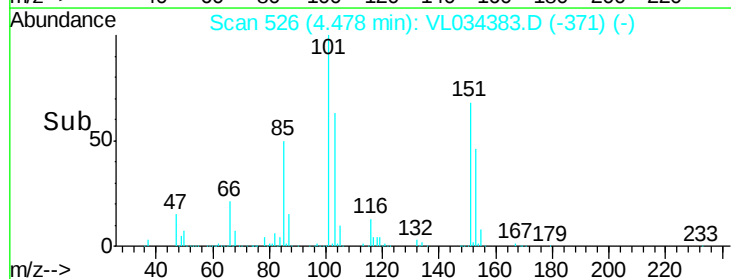
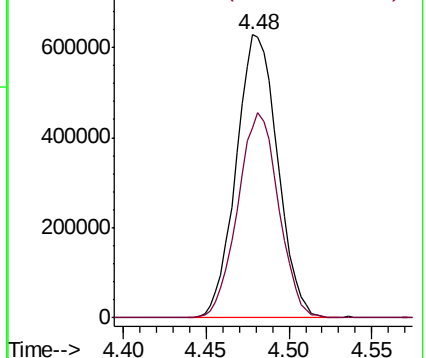
101 100

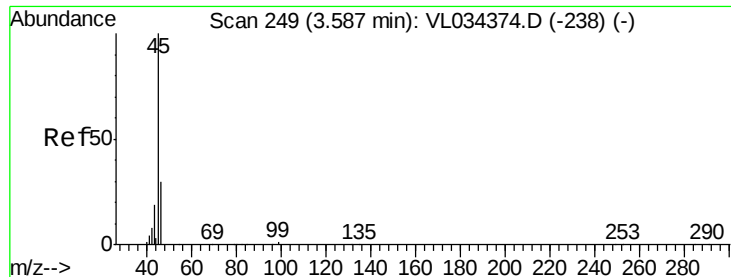
151 71.8 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.266 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

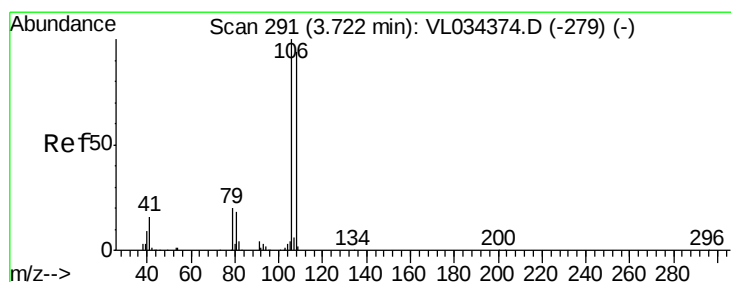
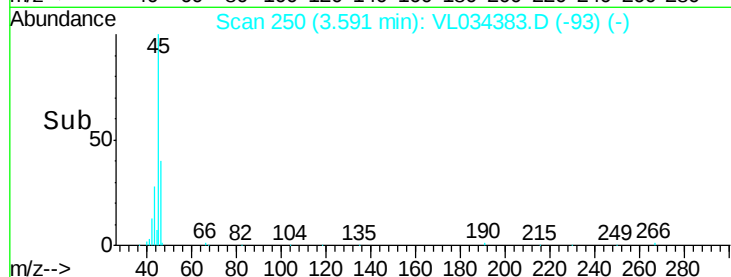
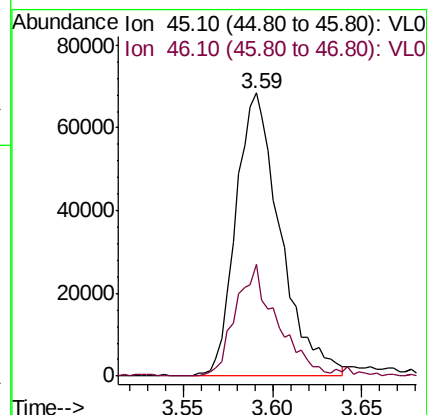
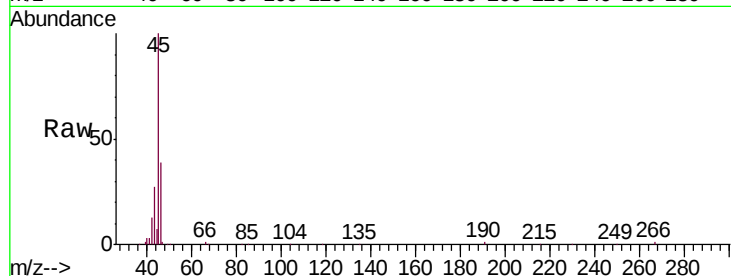
VL1119ABS01

Tgt Ion: 45 Resp: 118770

Ion Ratio Lower Upper

45 100

46 38.5 13.8 55.4



#14

Bromoethene

Concen: 9.252 ppbv

RT: 3.72 min Scan# 291

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

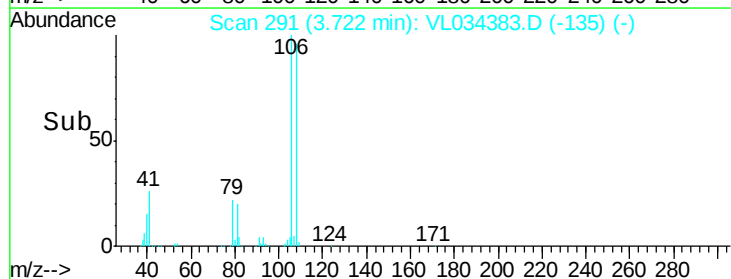
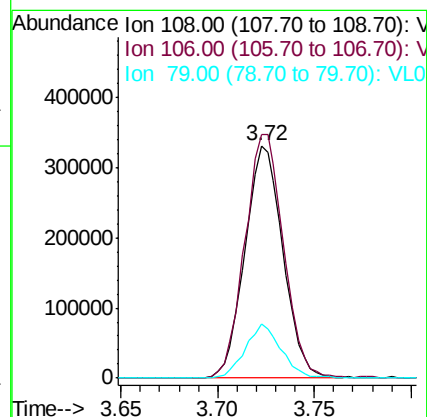
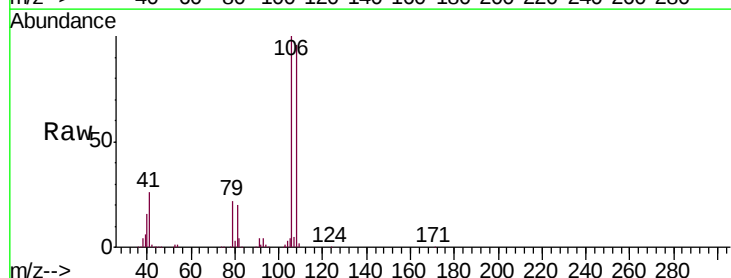
Tgt Ion: 108 Resp: 453219

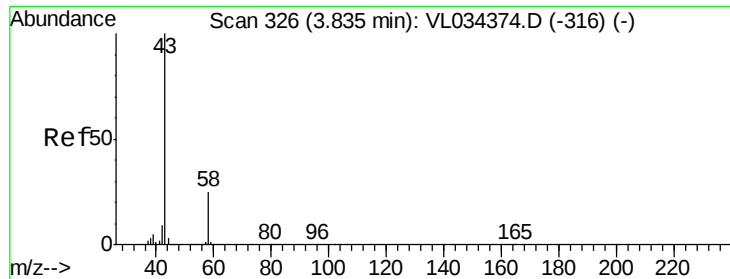
Ion Ratio Lower Upper

108 100

106 107.4 85.7 128.5

79 22.4 17.2 25.8





#15

Acetone

Concen: 8.749 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

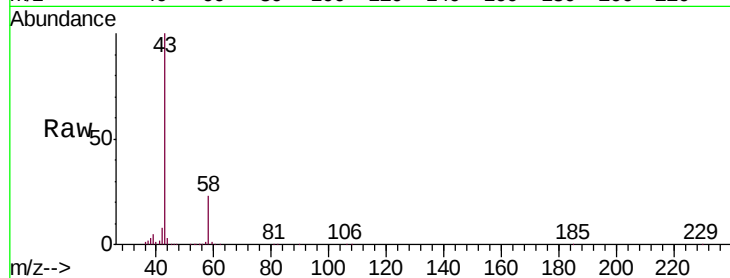
VL1119ABS01

Tgt Ion: 43 Resp: 1262240

Ion Ratio Lower Upper

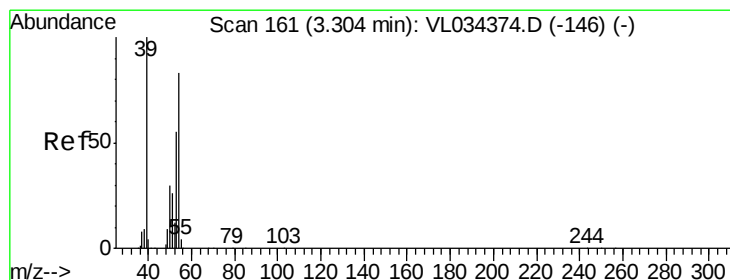
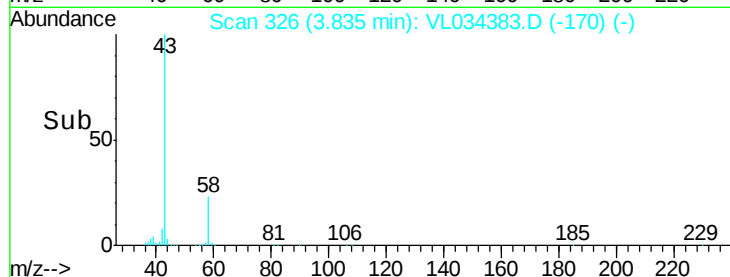
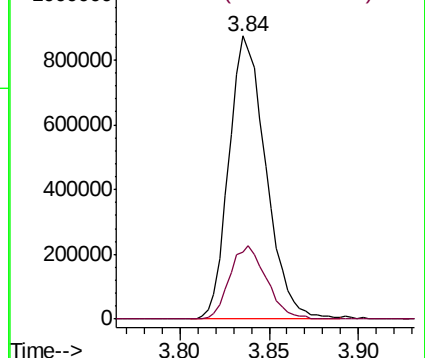
43 100

58 25.9 20.2 30.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.426 ppbv

RT: 3.30 min Scan# 161

Delta R.T. 0.00 min

Lab File: VL034383.D

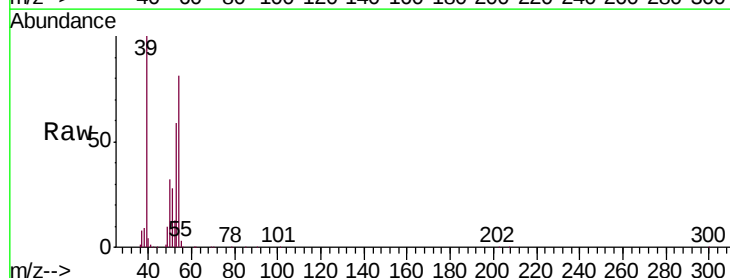
Acq: 19 Nov 2019 17:33

Tgt Ion: 39 Resp: 592376

Ion Ratio Lower Upper

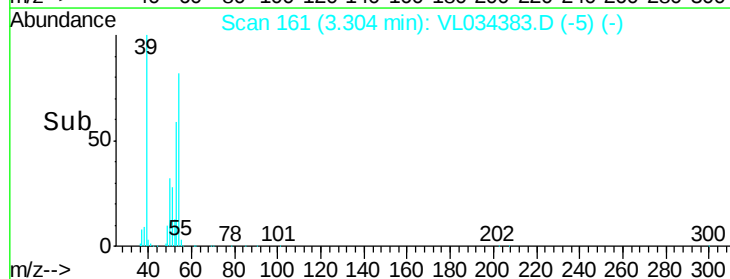
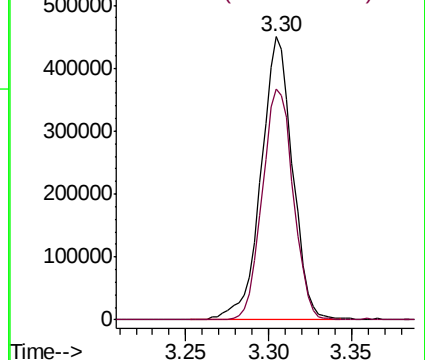
39 100

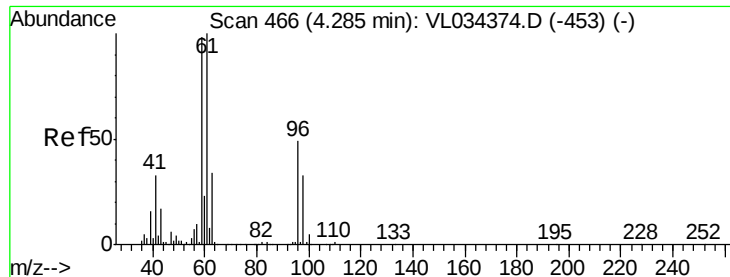
54 80.8 64.7 97.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



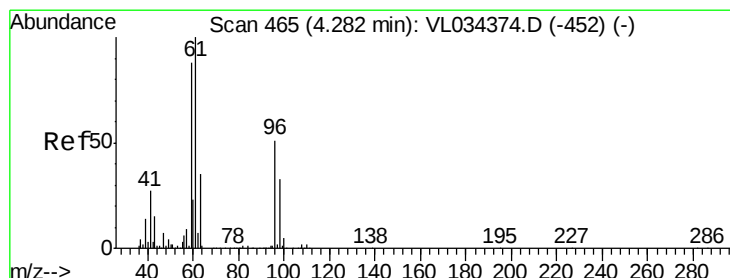
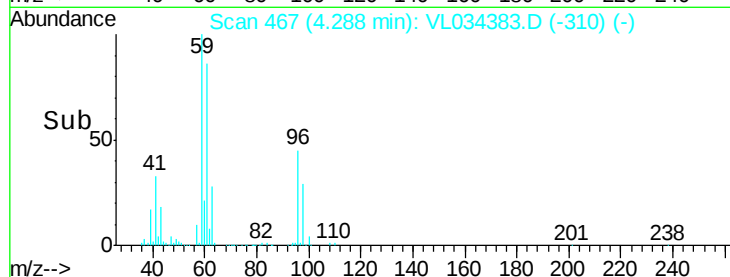
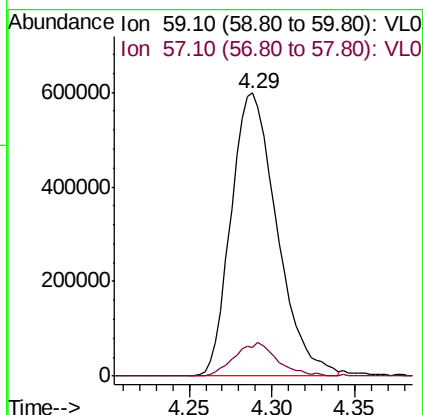
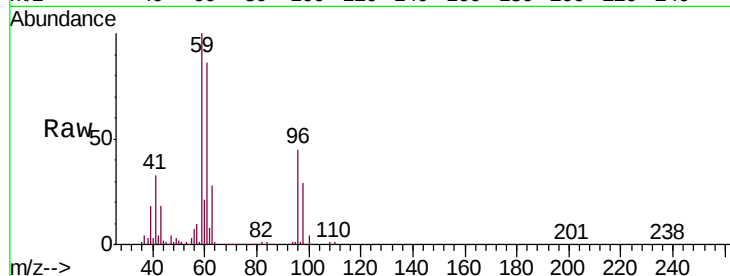


#17

tert-Butyl alcohol
Concen: 9.506 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

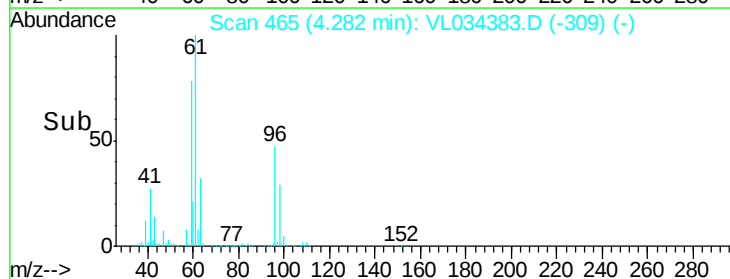
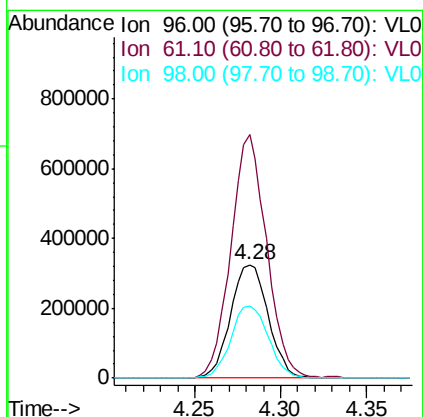
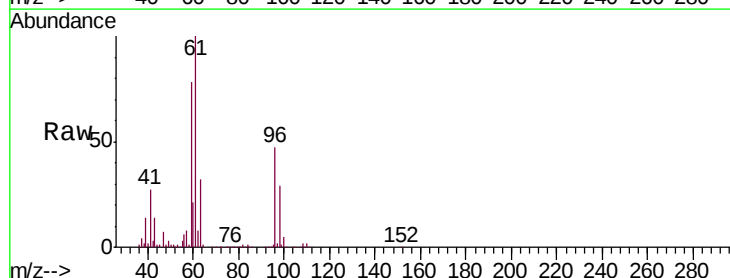
Tgt Ion: 59 Resp: 1152884
Ion Ratio Lower Upper
59 100
57 11.5 8.8 13.2

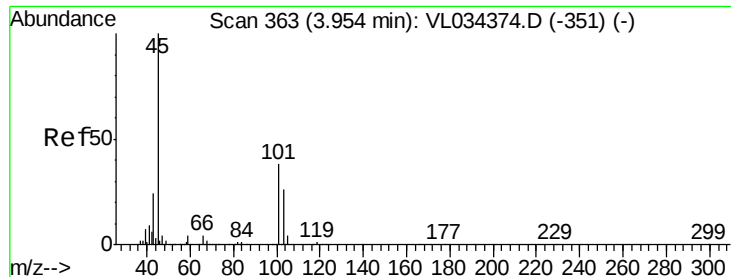


#18

1,1-Dichloroethene
Concen: 9.363 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion: 96 Resp: 493405
Ion Ratio Lower Upper
96 100
61 214.2 155.6 233.4
98 62.9 51.6 77.4





#19

Isopropyl Alcohol

Concen: 8.928 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

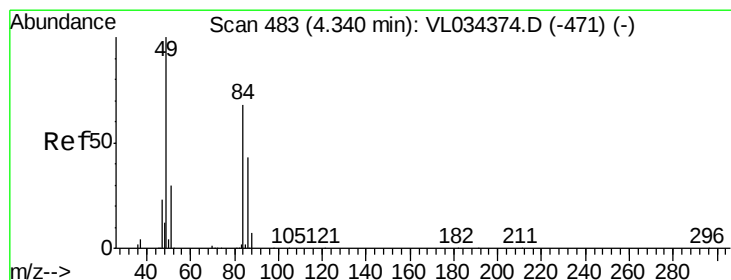
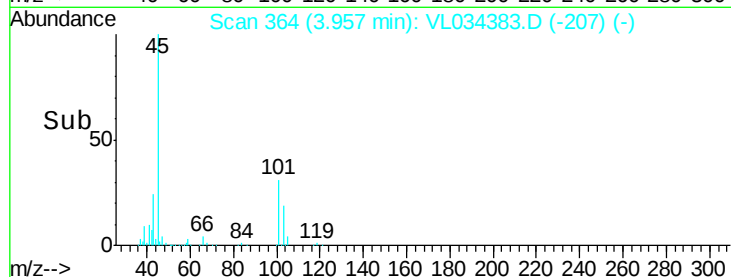
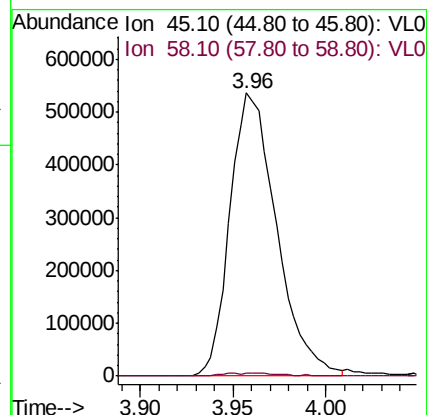
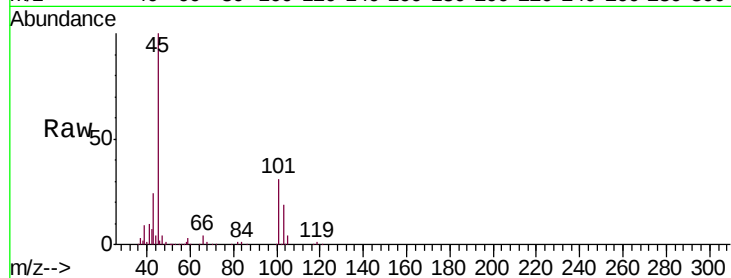
VL1119ABS01

Tgt Ion: 45 Resp: 936885

Ion Ratio Lower Upper

45 100

58 1.7 1.3 1.9



#20

Methylene Chloride

Concen: 8.437 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Tgt Ion: 84 Resp: 431652

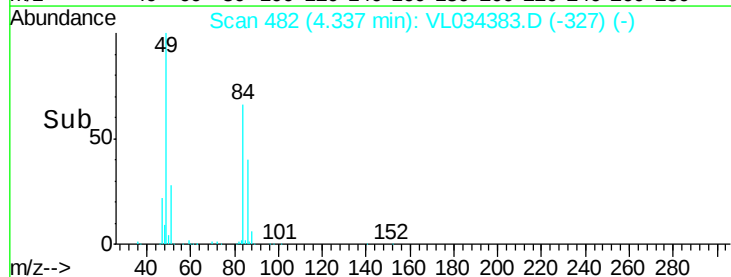
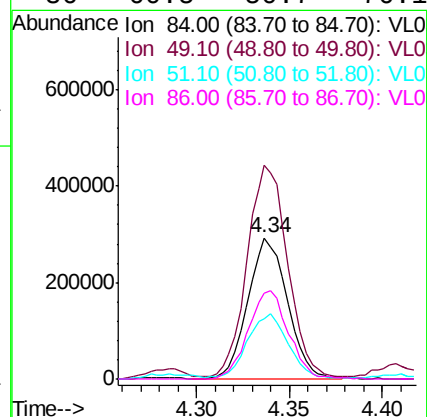
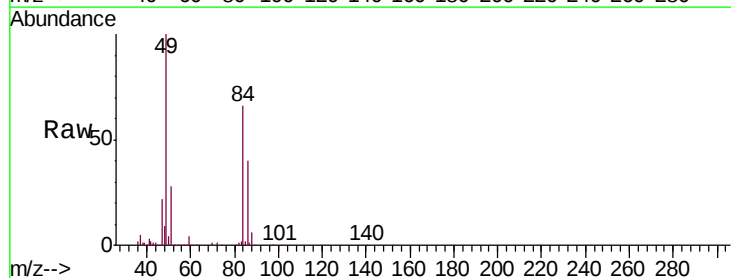
Ion Ratio Lower Upper

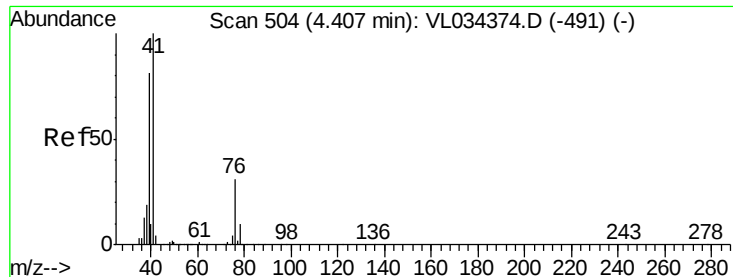
84 100

49 149.9 116.8 175.2

51 42.2 35.6 53.4

86 60.5 50.7 76.1

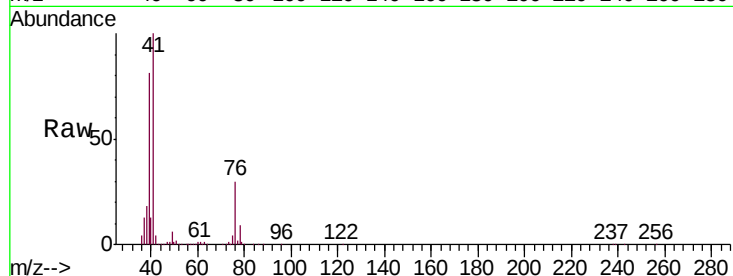




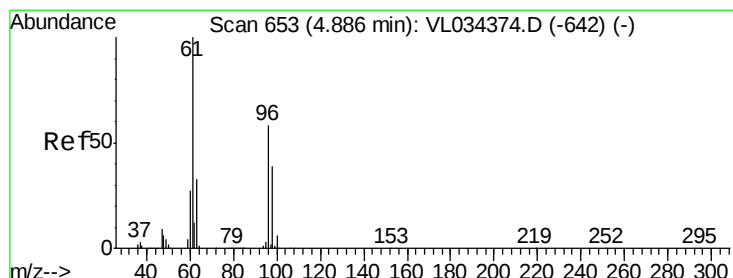
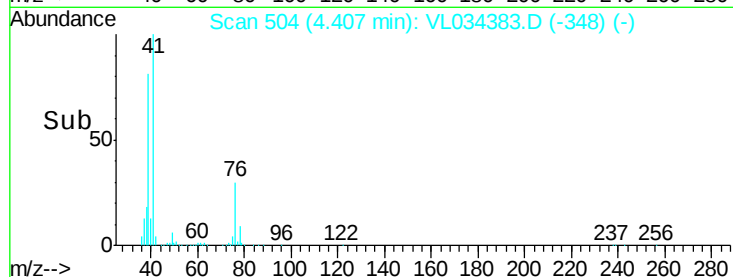
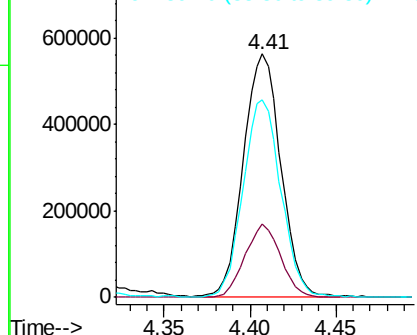
#21
 Allyl Chloride
 Concen: 9.779 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

Tgt Ion: 41 Resp: 845464
 Ion Ratio Lower Upper
 41 100
 76 29.0 24.2 36.2
 39 82.0 66.9 100.3

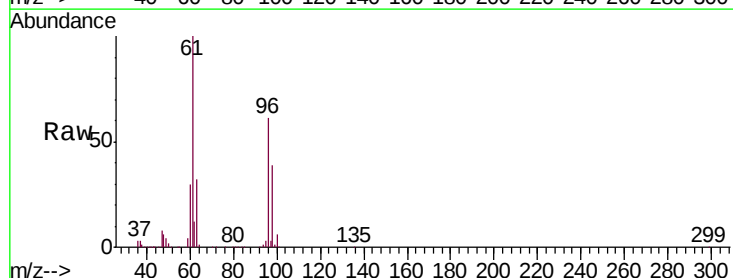


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

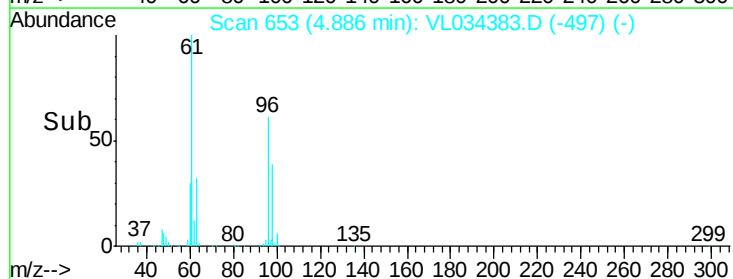
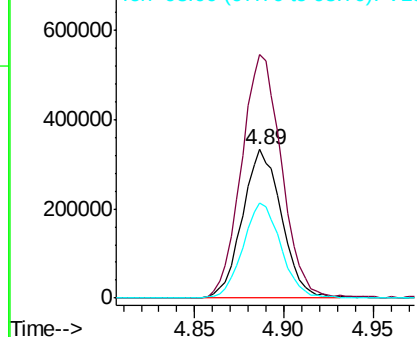


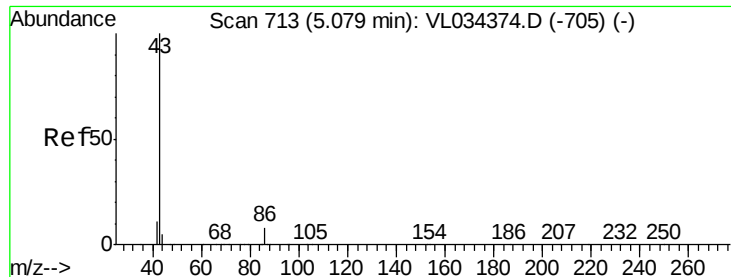
#22
 trans-1,2-Dichloroethene
 Concen: 9.579 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Tgt Ion: 96 Resp: 508873
 Ion Ratio Lower Upper
 96 100
 61 163.7 137.9 206.9
 98 64.0 53.5 80.3



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





#23

Vinyl Acetate

Concen: 9.937 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

Tgt Ion: 43 Resp: 1872905

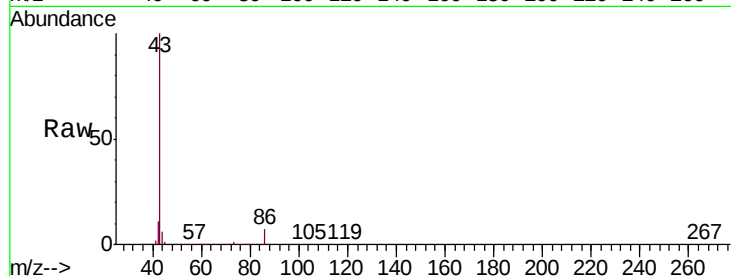
Ion Ratio Lower Upper

43 100

86 7.5 5.8 8.6

42 10.7 8.9 13.3

44 5.5 4.0 6.0

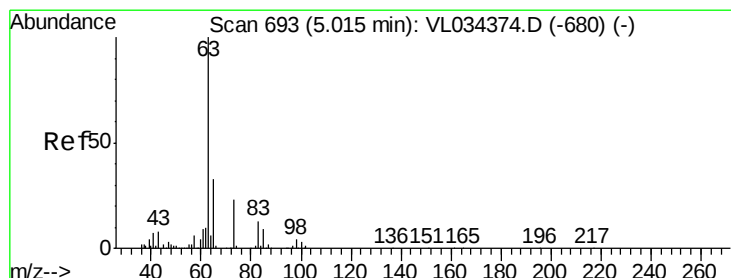
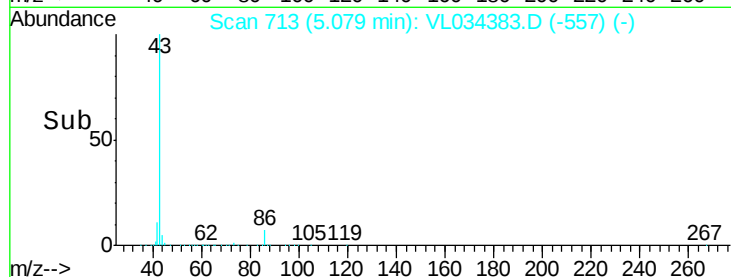
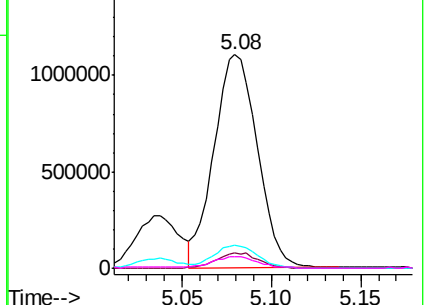


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.288 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

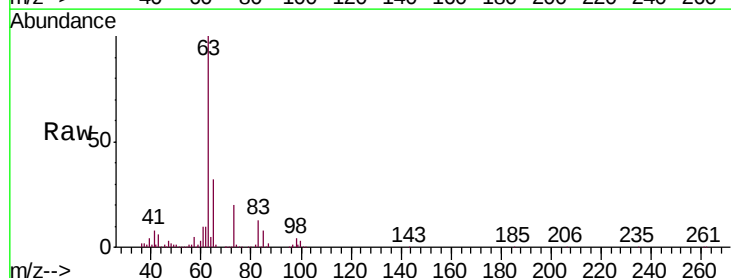
Tgt Ion: 63 Resp: 1344670

Ion Ratio Lower Upper

63 100

98 4.0 1.9 5.7

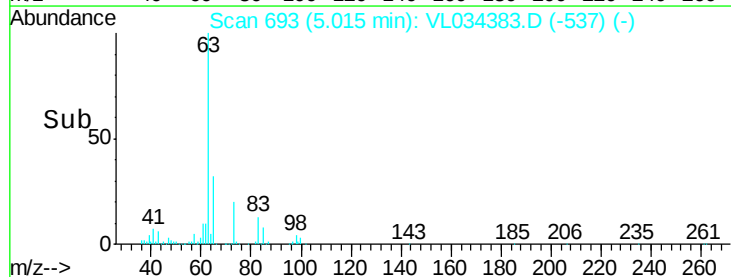
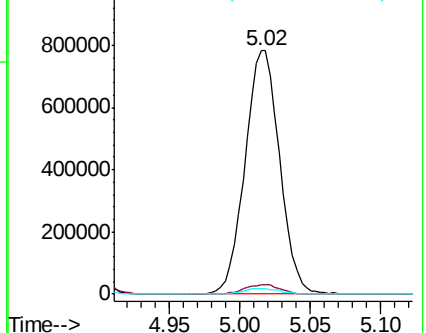
100 2.5 1.4 4.0

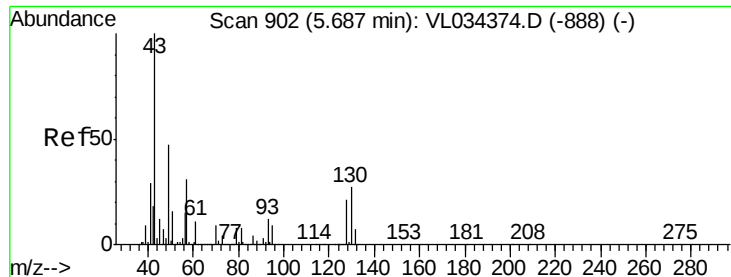


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.120 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

Tgt Ion: 43 Resp: 2347886

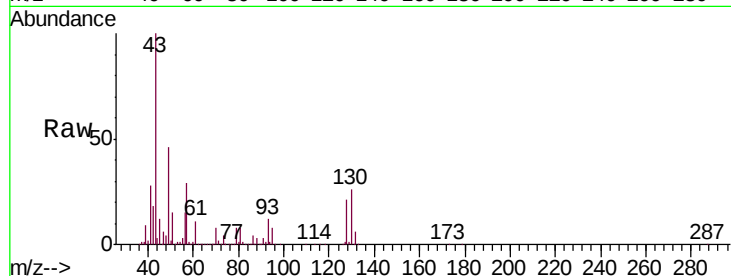
Ion Ratio Lower Upper

43 100

45 10.4 8.2 12.4

61 9.7 7.5 11.3

70 7.3 5.7 8.5

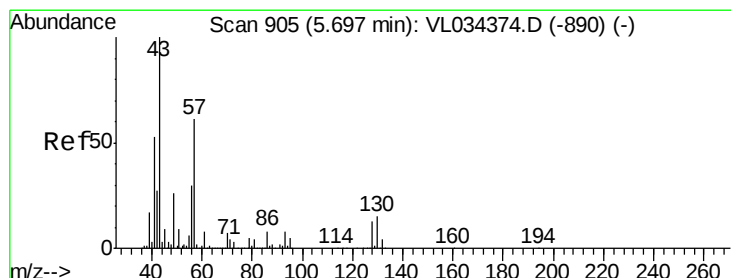
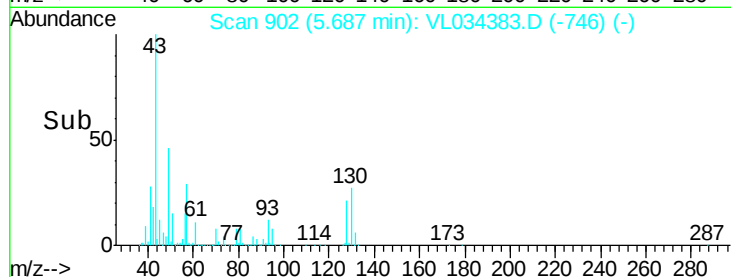
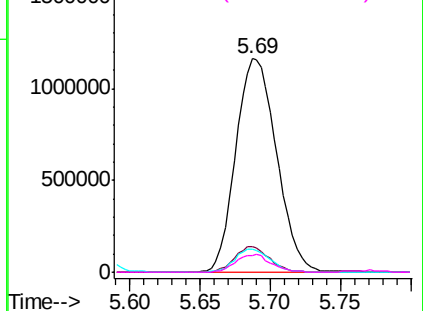


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.160 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Tgt Ion: 57 Resp: 1013335

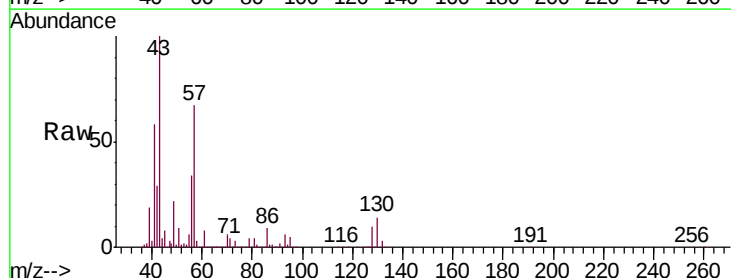
Ion Ratio Lower Upper

57 100

41 92.9 75.0 112.4

43 233.1 186.6 279.8

56 52.2 41.5 62.3

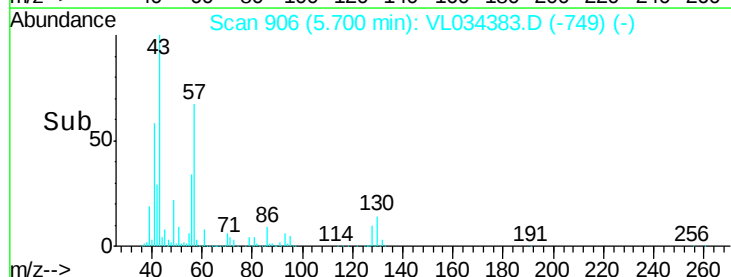
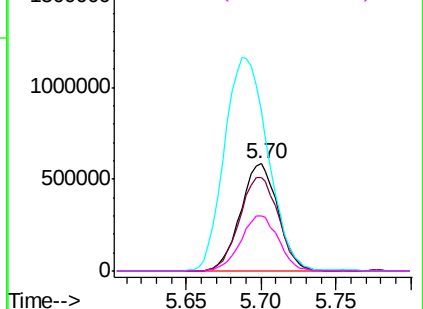


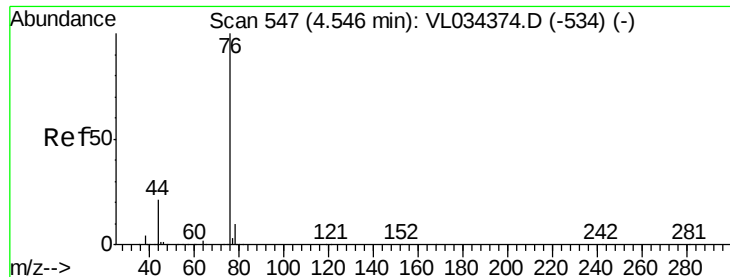
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.466 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

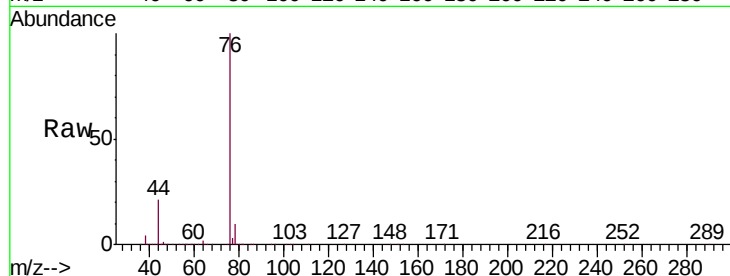
Tgt Ion: 76 Resp: 1261121

Ion Ratio Lower Upper

76 100

44 20.0 17.0 25.4

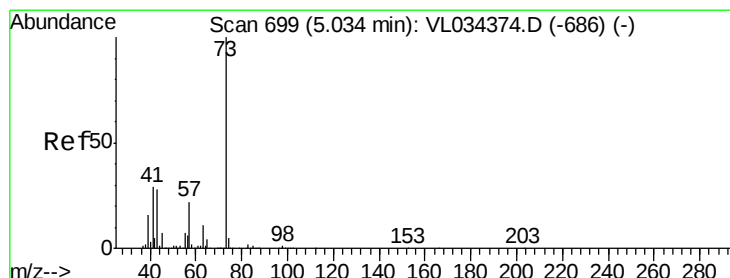
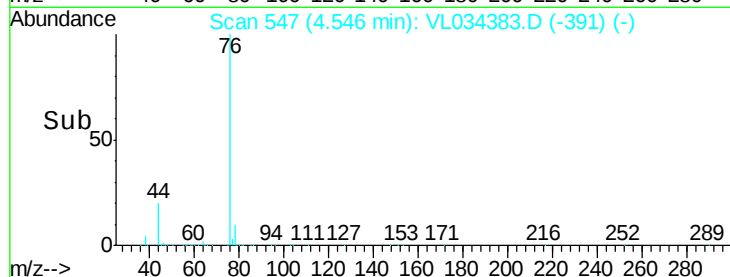
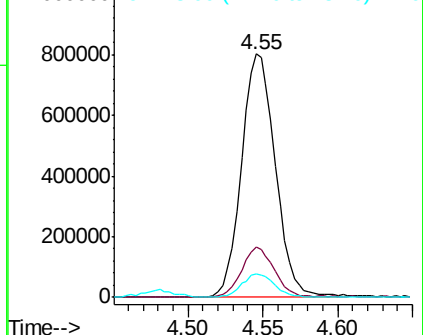
78 9.6 7.6 11.4



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: 9.459 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL034383.D

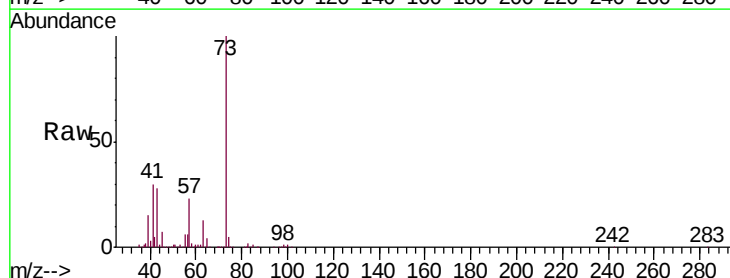
Acq: 19 Nov 2019 17:33

Tgt Ion: 73 Resp: 1735236

Ion Ratio Lower Upper

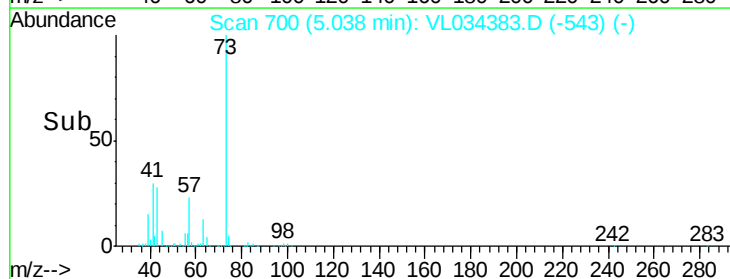
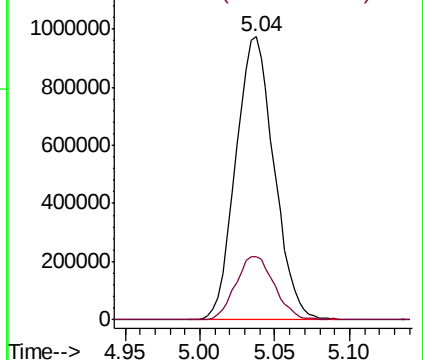
73 100

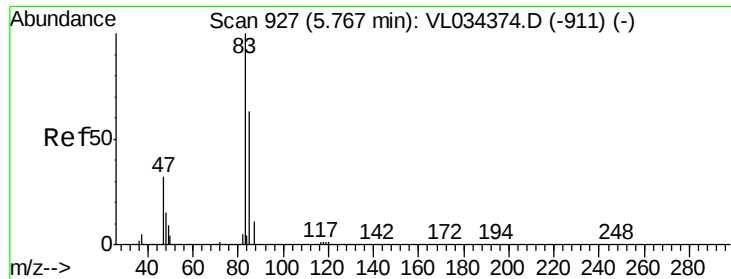
57 23.0 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.094 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

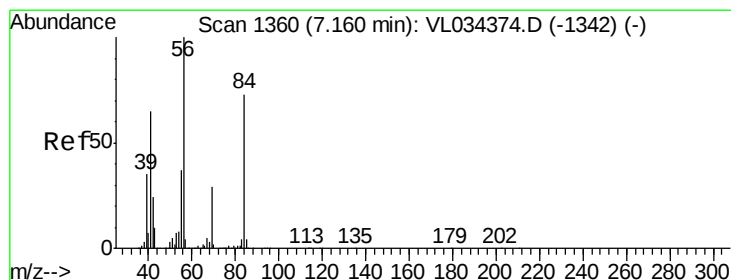
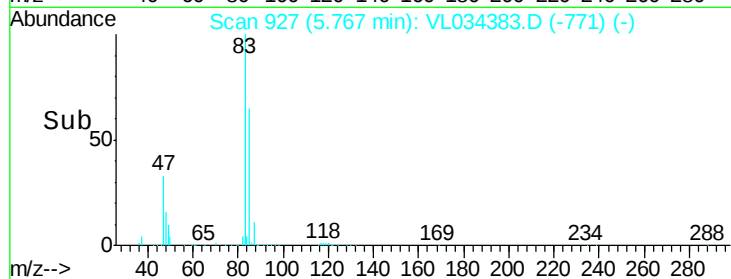
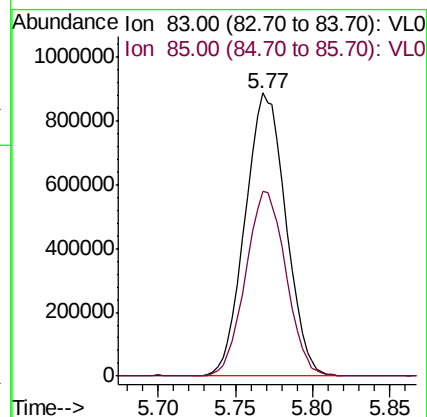
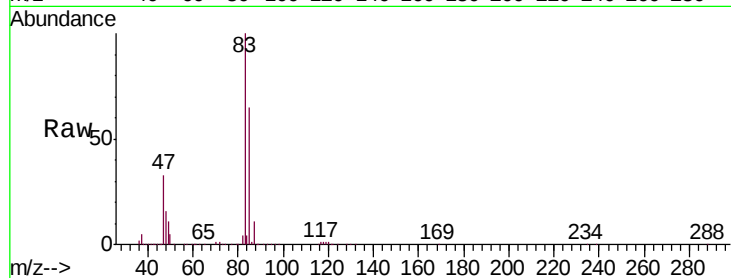
VL1119ABS01

Tgt Ion: 83 Resp: 1629150

Ion Ratio Lower Upper

83 100

85 65.1 50.4 75.6



#30

Cyclohexane

Concen: 9.595 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

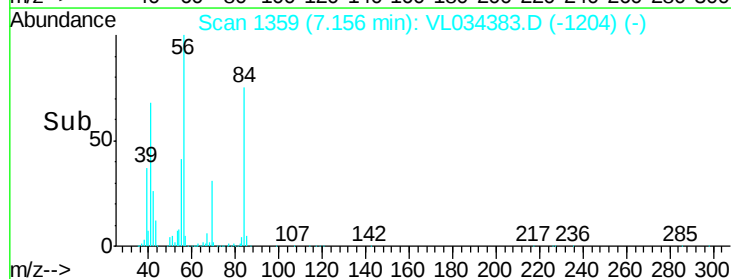
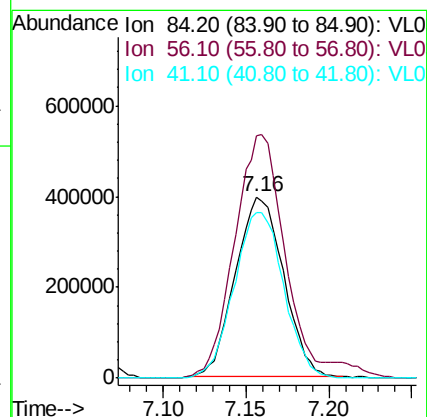
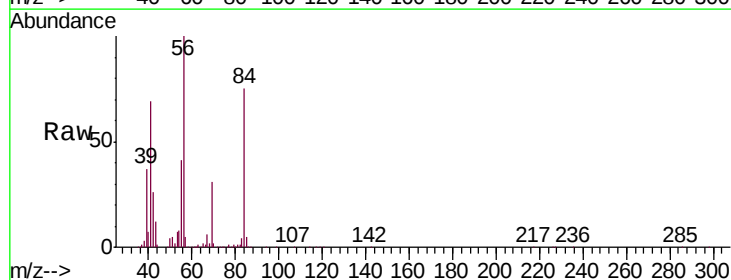
Tgt Ion: 84 Resp: 802482

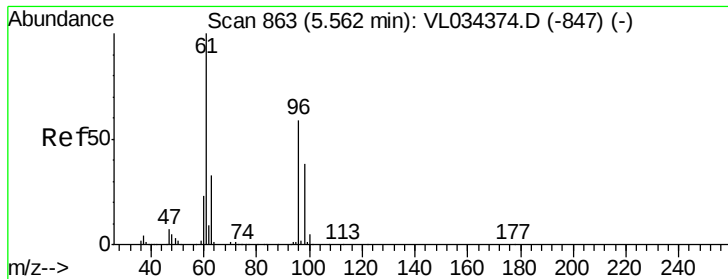
Ion Ratio Lower Upper

84 100

56 145.1 112.6 169.0

41 95.2 73.4 110.2



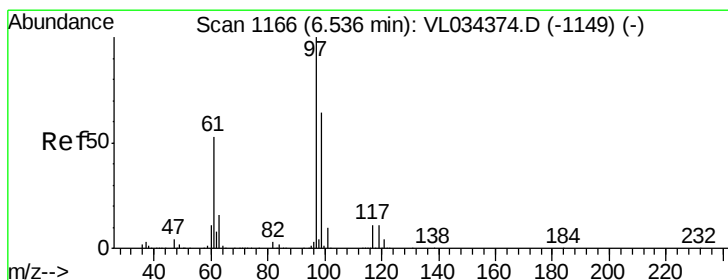
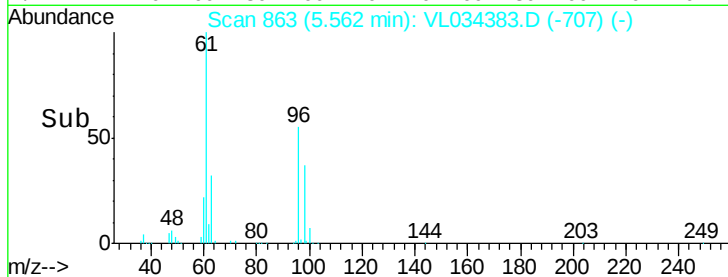
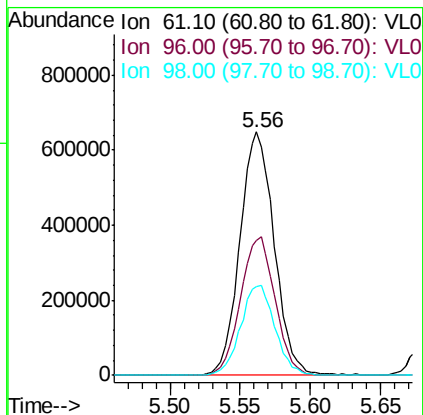
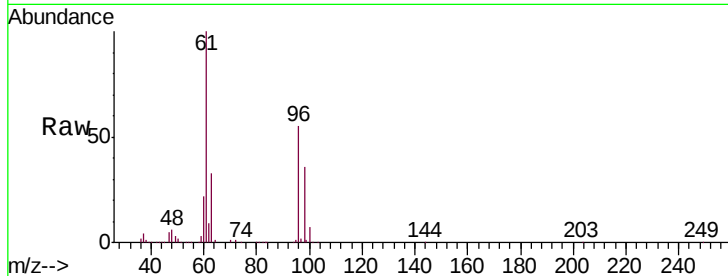


#31

cis-1,2-Dichloroethene
 Concen: 9.685 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

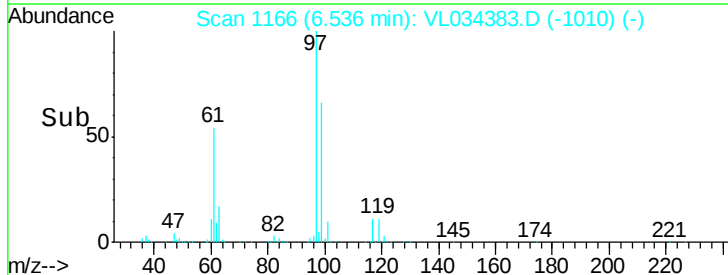
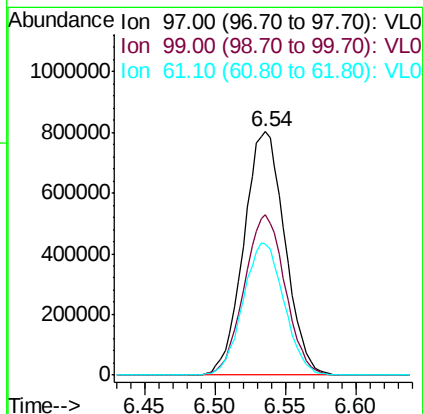
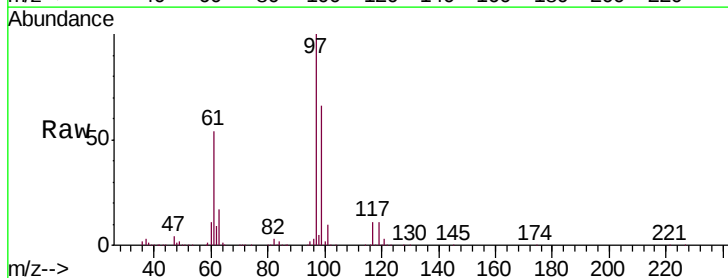
Tgt Ion: 61 Resp: 1107192
 Ion Ratio Lower Upper
 61 100
 96 55.3 47.4 71.2
 98 36.5 30.6 45.8

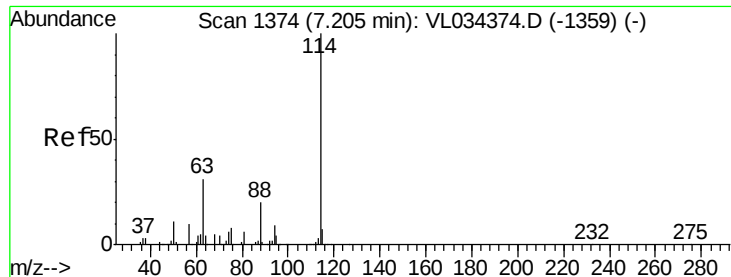


#32

1,1,1-Trichloroethane
 Concen: 9.750 ppbv
 RT: 6.54 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Tgt Ion: 97 Resp: 1637679
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.3 78.5
 61 54.2 43.7 65.5

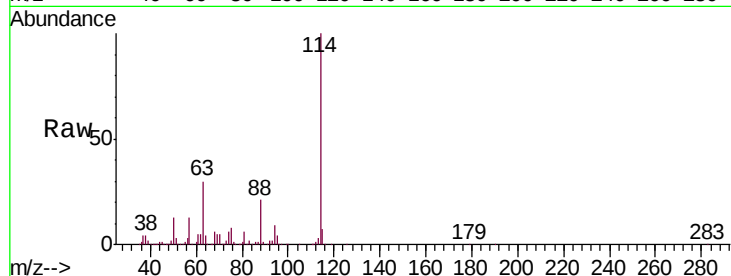




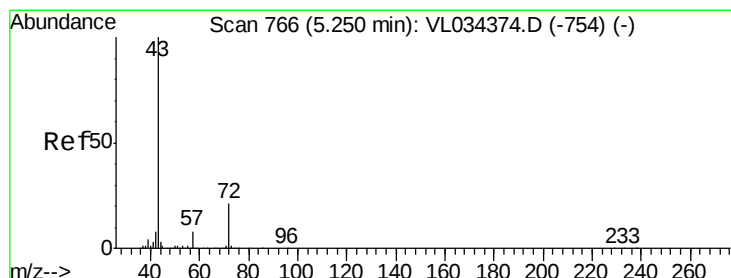
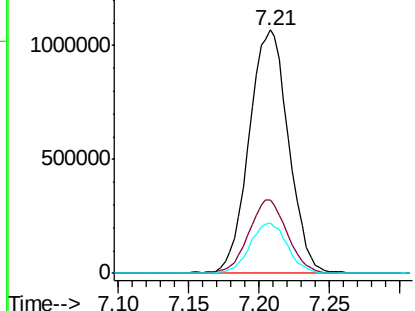
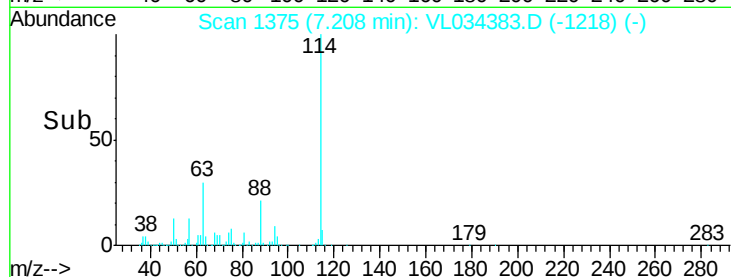
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

Tgt Ion: 114 Resp: 2084691
 Ion Ratio Lower Upper
 114 100
 63 29.9 24.2 36.4
 88 19.7 15.9 23.9

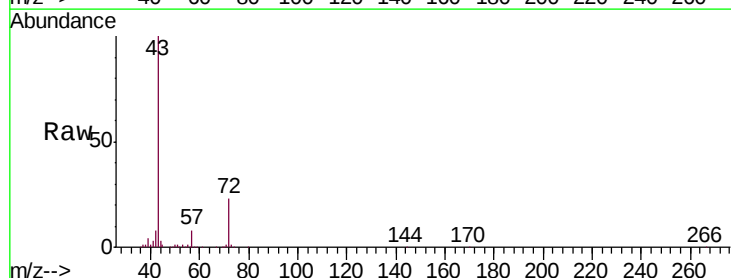


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

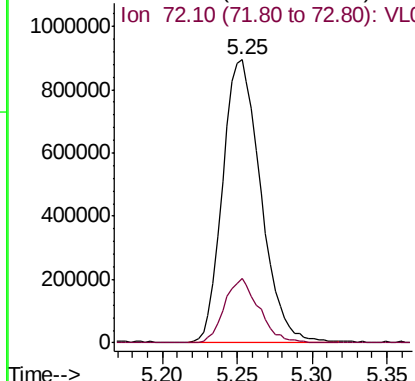
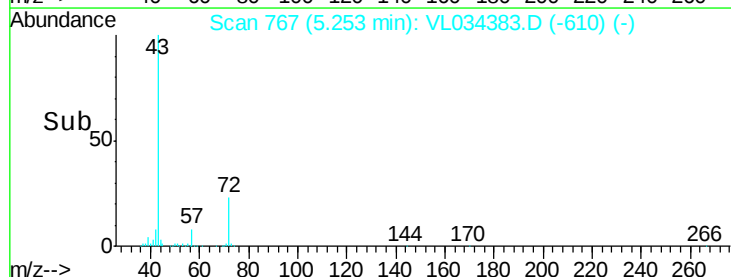


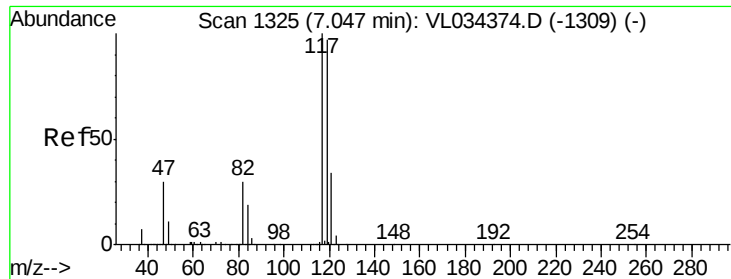
#34
 2-Butanone
 Concen: 9.198 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Tgt Ion: 43 Resp: 1578336
 Ion Ratio Lower Upper
 43 100
 72 20.9 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.406 ppbv

RT: 7.04 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

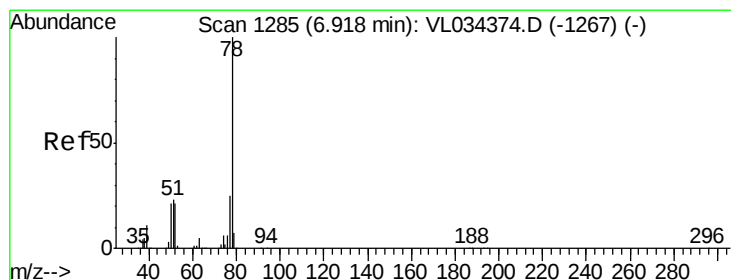
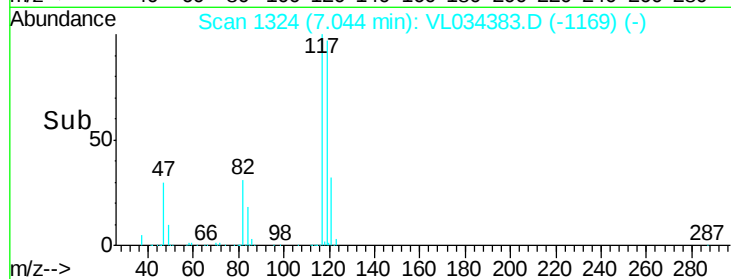
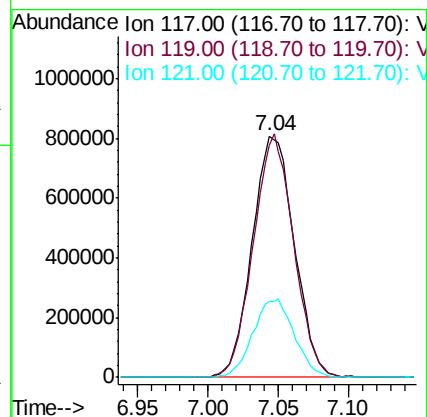
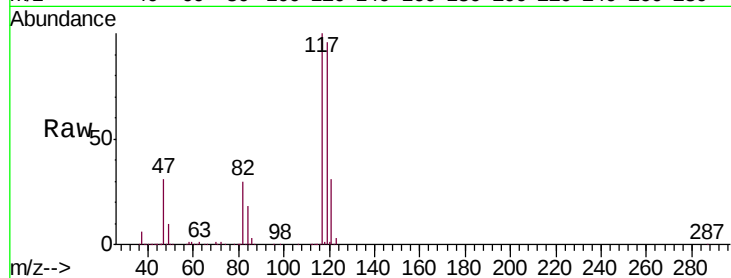
Tgt Ion:117 Resp: 1685945

Ion Ratio Lower Upper

117 100

119 96.4 77.3 115.9

121 31.3 27.4 41.2



#36

Benzene

Concen: 9.366 ppbv

RT: 6.92 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

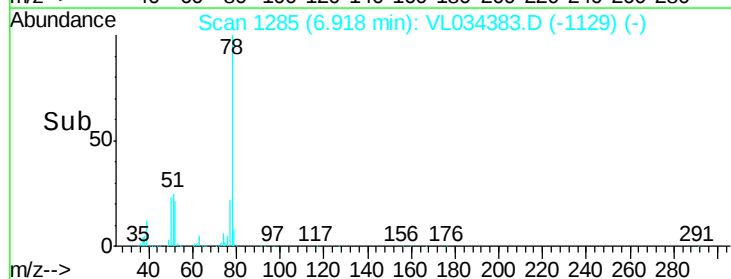
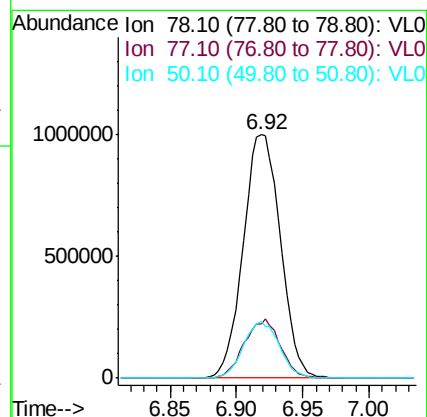
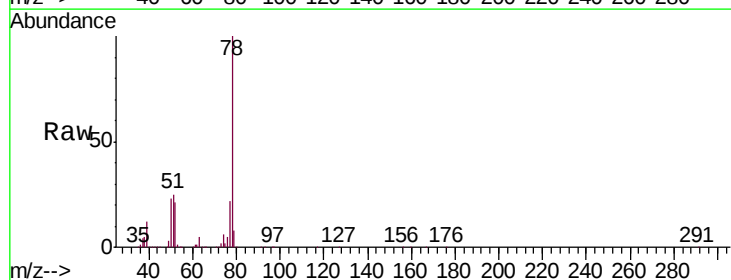
Tgt Ion: 78 Resp: 1951723

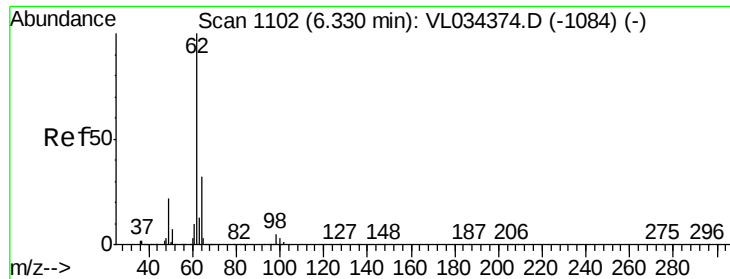
Ion Ratio Lower Upper

78 100

77 22.4 20.2 30.4

50 23.4 17.1 25.7

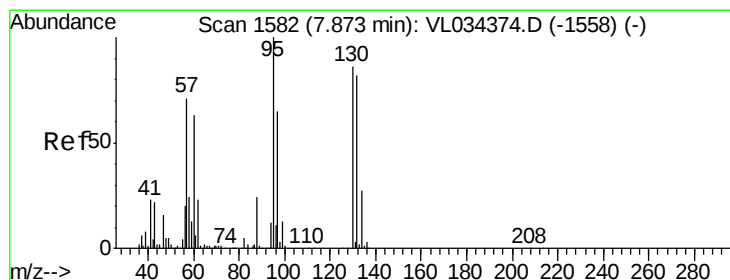
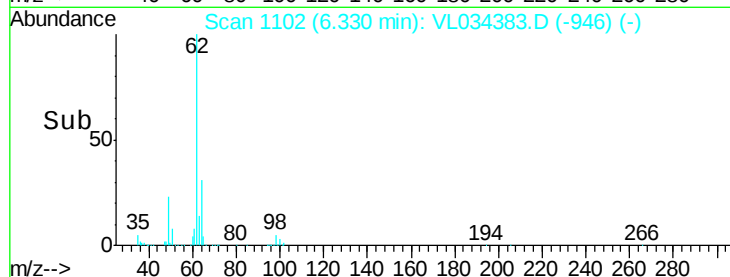
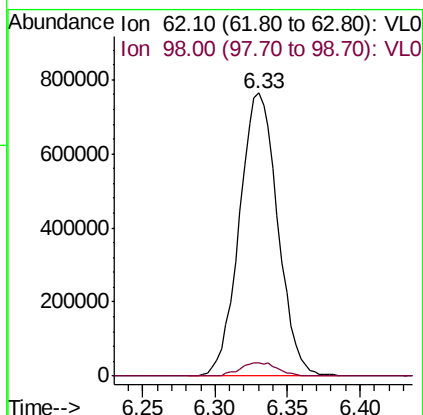
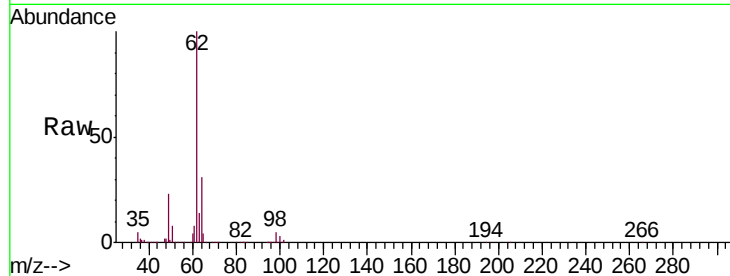




#37
 1,2-Dichloroethane
 Concen: 9.066 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

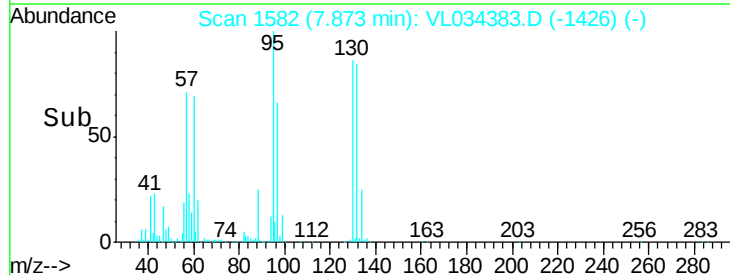
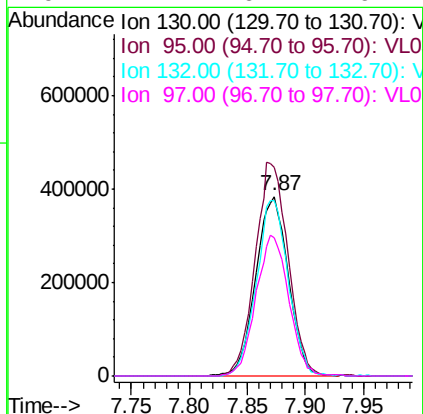
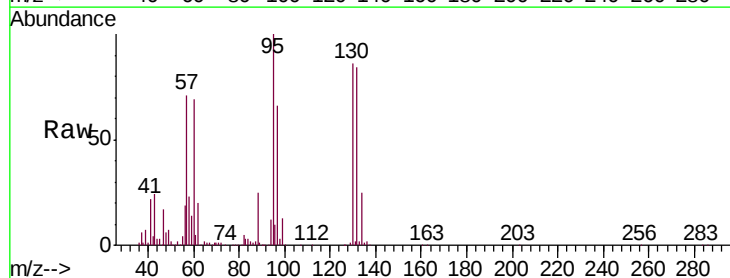
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

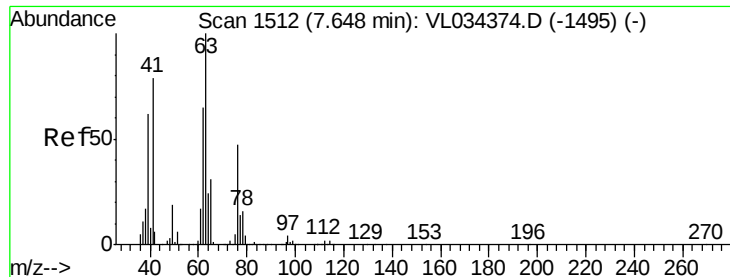
Tgt Ion: 62 Resp: 1403585
 Ion Ratio Lower Upper
 62 100
 98 4.9 3.8 5.8



#38
 Trichloroethene
 Concen: 8.805 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Tgt Ion: 130 Resp: 753037
 Ion Ratio Lower Upper
 130 100
 95 116.6 93.4 140.0
 132 97.8 76.4 114.6
 97 77.4 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.209 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

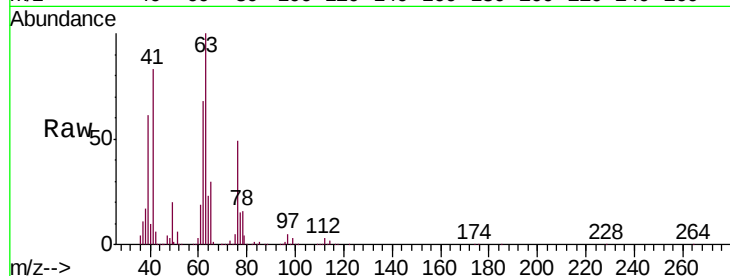
Tgt Ion: 63 Resp: 813581

Ion Ratio Lower Upper

63 100

41 82.6 63.1 94.7

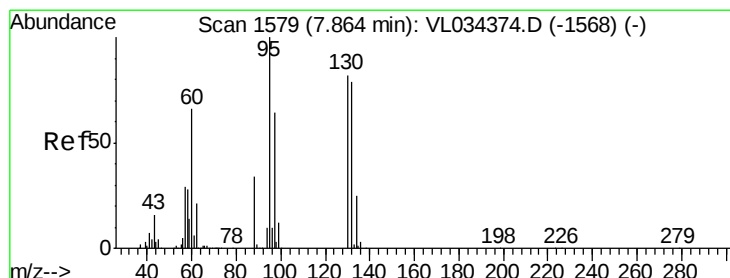
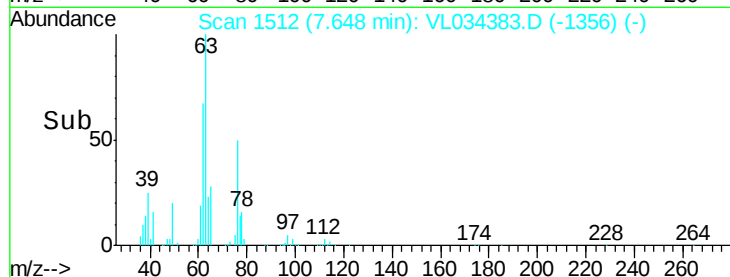
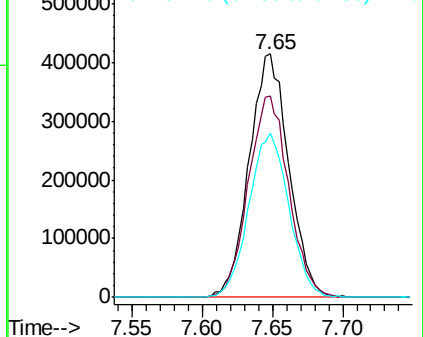
62 67.6 52.3 78.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.207 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Tgt Ion: 88 Resp: 322913

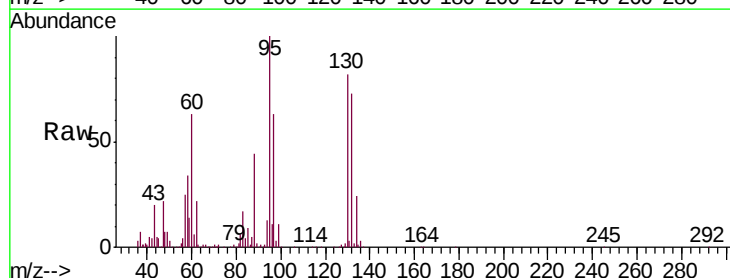
Ion Ratio Lower Upper

88 100

58 136.3 109.5 164.3

43 0.0 0.0 0.0

57 0.0 0.0 0.0

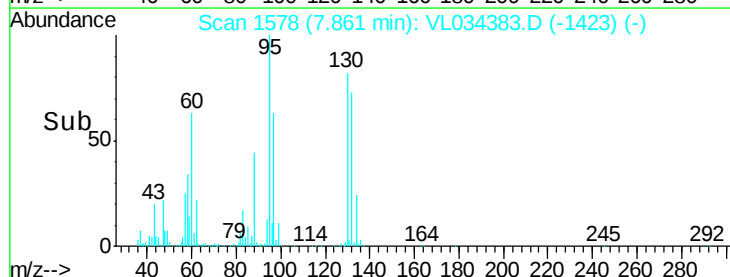
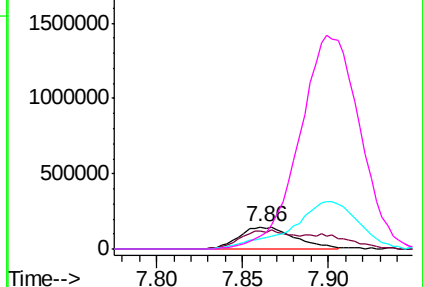


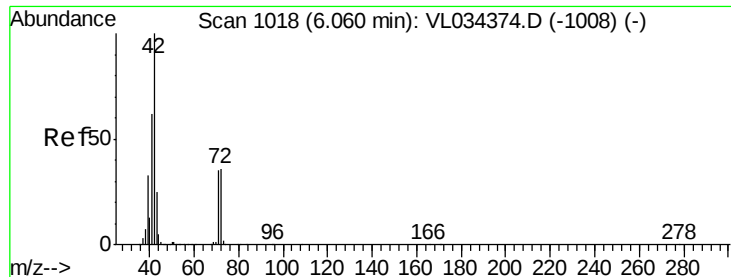
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.439 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

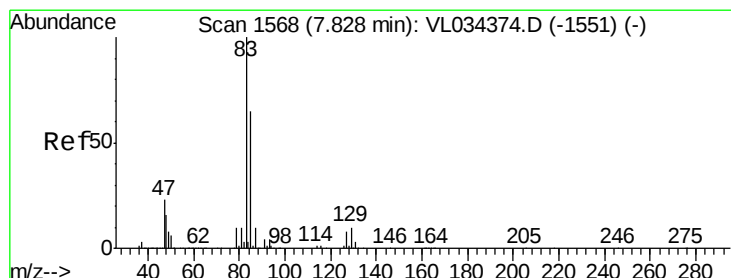
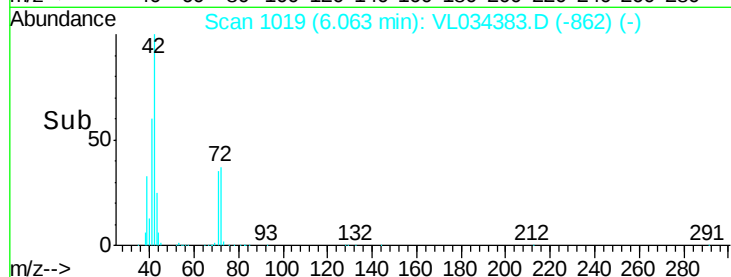
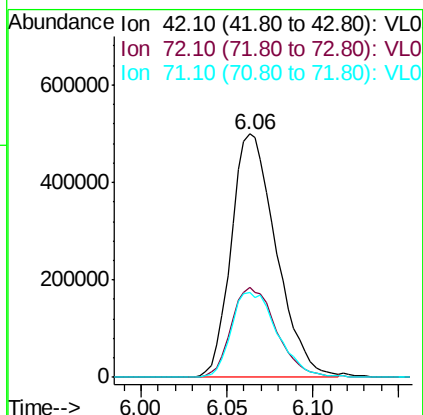
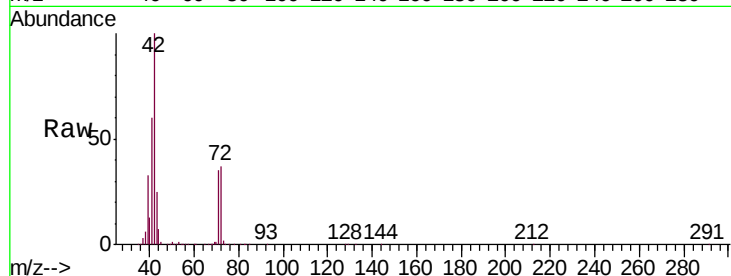
Tgt Ion: 42 Resp: 908507

Ion Ratio Lower Upper

42 100

72 37.3 30.2 45.4

71 36.2 29.4 44.2



#42

Bromodichloromethane

Concen: 9.348 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

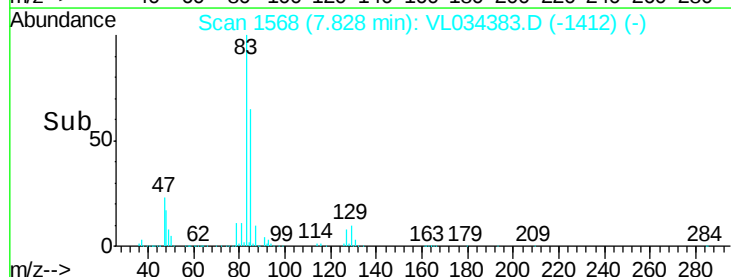
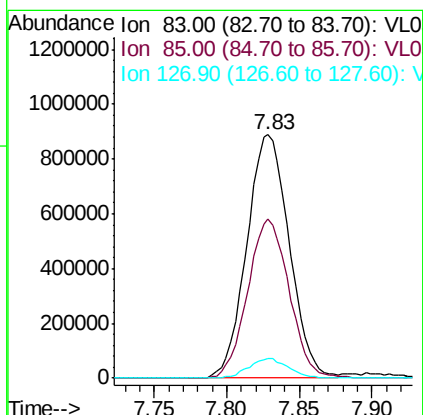
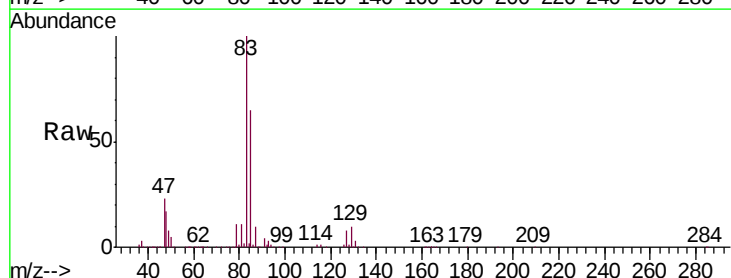
Tgt Ion: 83 Resp: 1810046

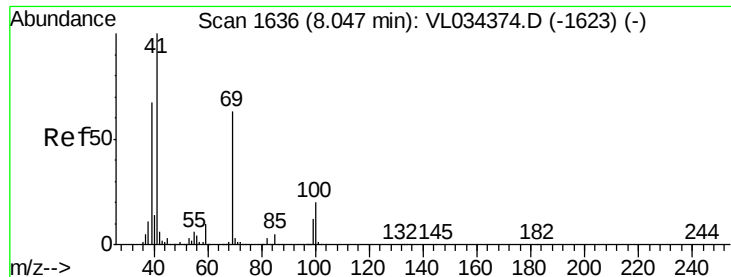
Ion Ratio Lower Upper

83 100

85 65.3 52.3 78.5

127 7.9 6.1 9.1

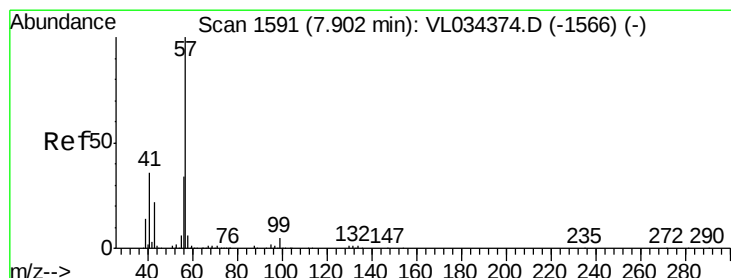
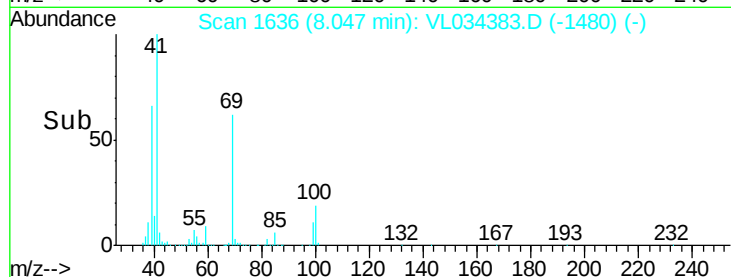
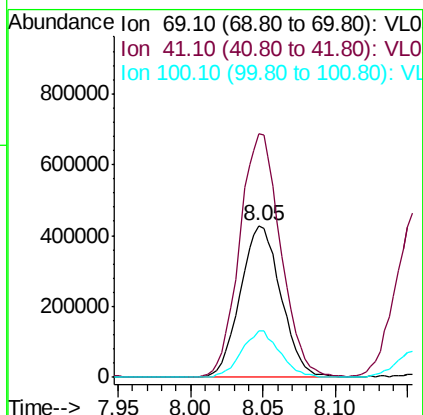
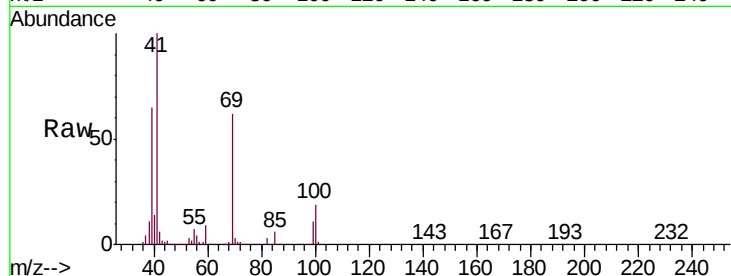




#43
Methyl Methacrylate
Concen: 9.657 ppbv
RT: 8.05 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

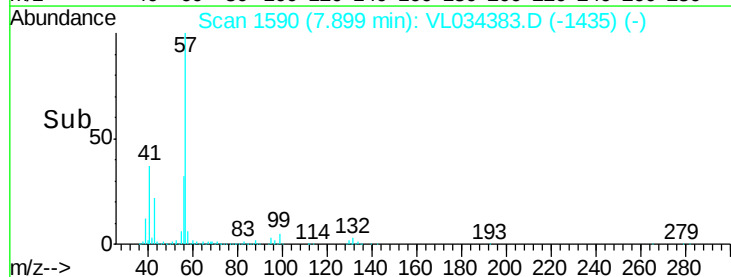
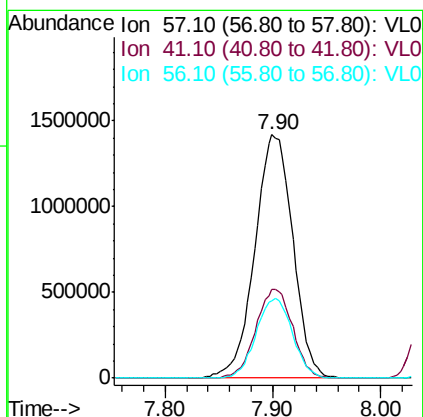
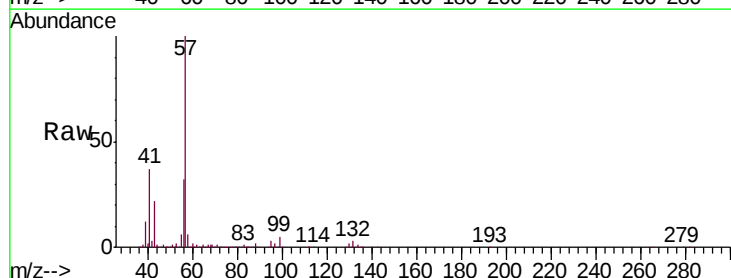
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

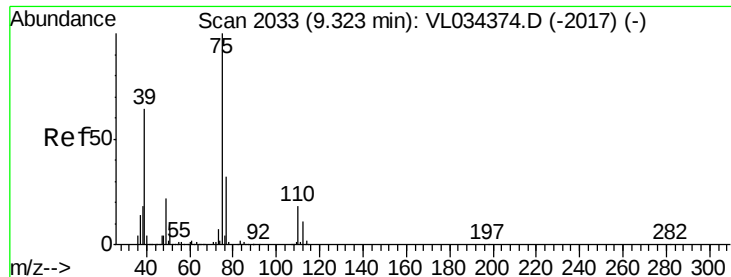
Tgt Ion: 69 Resp: 834723
Ion Ratio Lower Upper
69 100
41 161.7 127.4 191.2
100 29.0 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 9.106 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion: 57 Resp: 3468102
Ion Ratio Lower Upper
57 100
41 35.4 28.6 42.8
56 31.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.327 ppbv

RT: 9.32 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

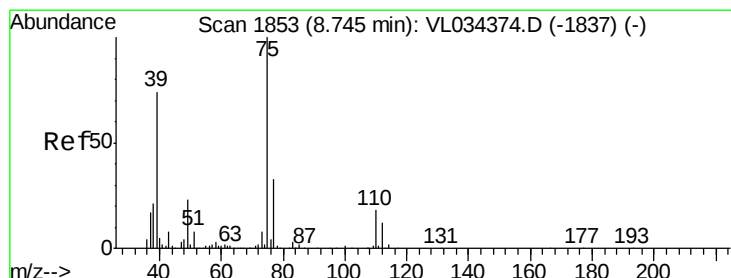
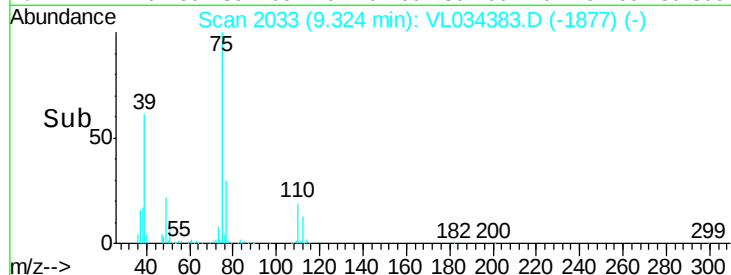
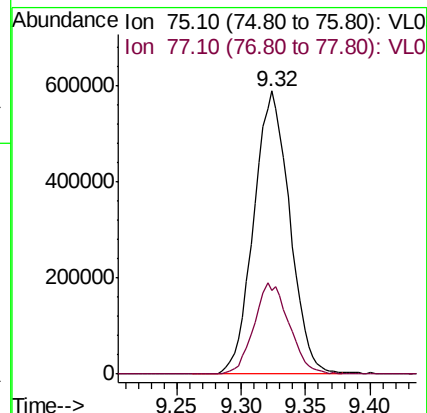
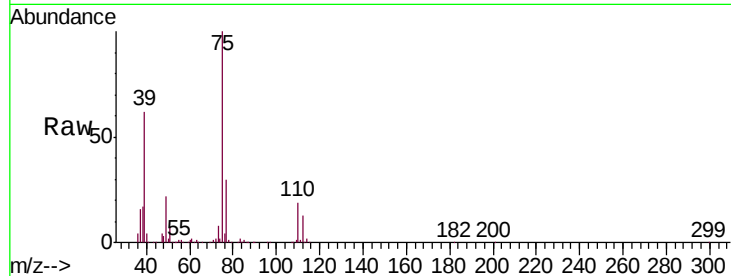
VL1119ABS01

Tgt Ion: 75 Resp: 1144783

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 10.149 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

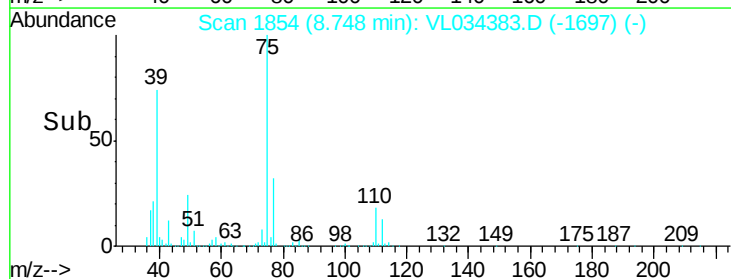
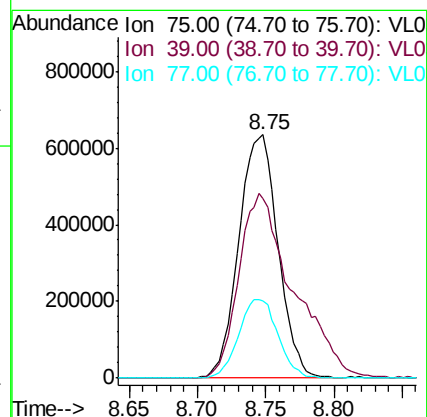
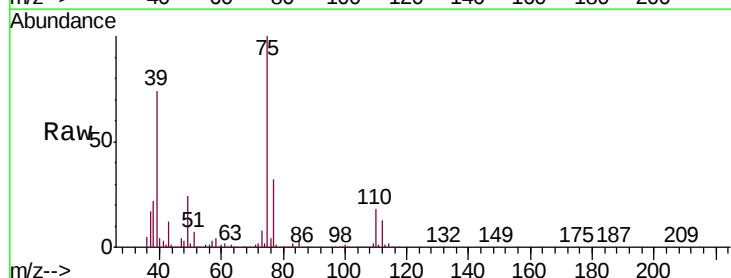
Tgt Ion: 75 Resp: 1263668

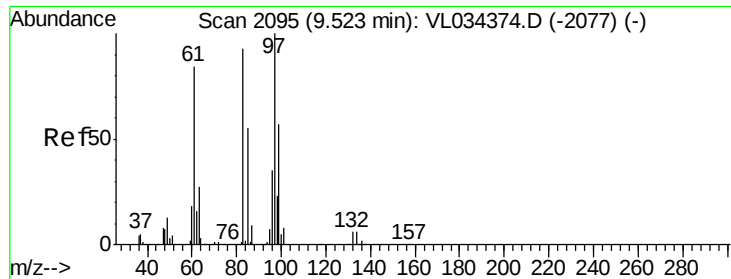
Ion Ratio Lower Upper

75 100

39 73.7 59.0 88.6

77 31.8 26.4 39.6

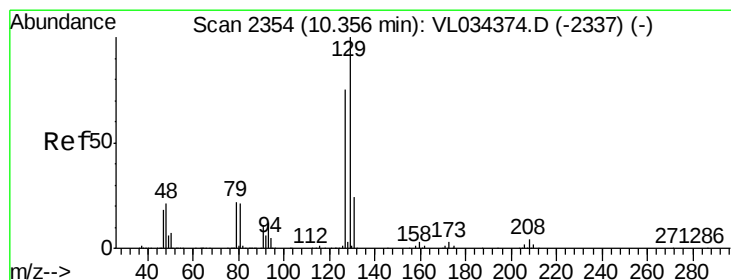
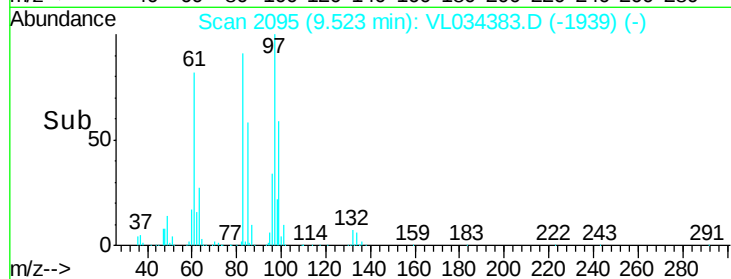
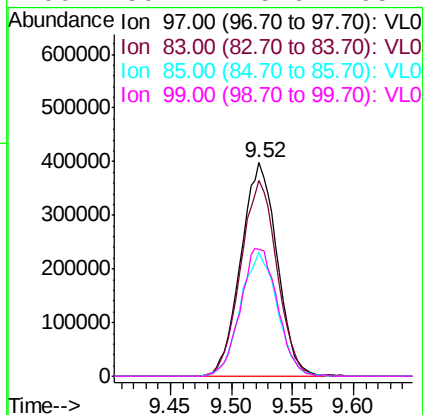
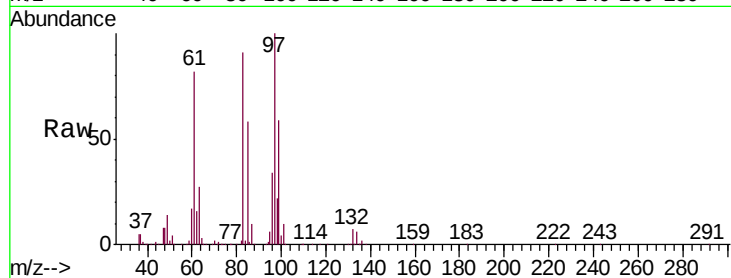




#47
 1,1,2-Trichloroethane
 Concen: 9.114 ppbv
 RT: 9.52 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

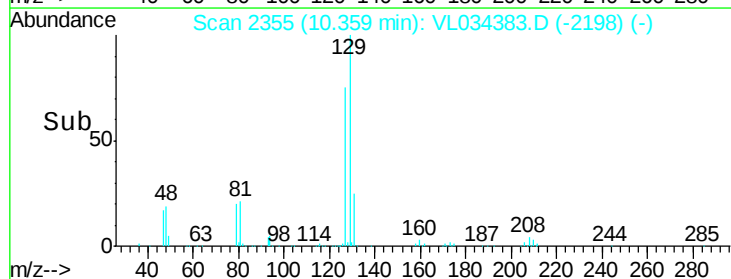
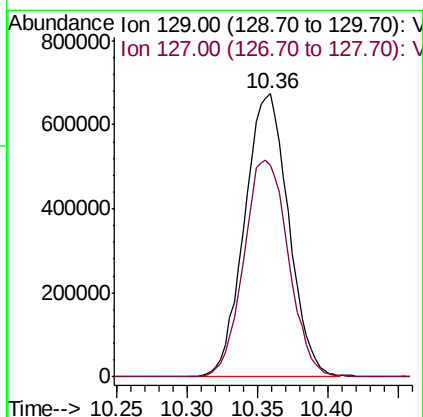
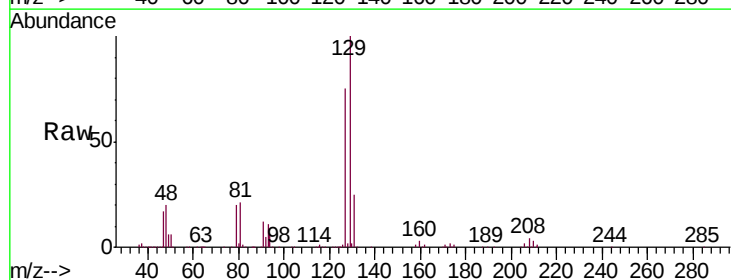
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

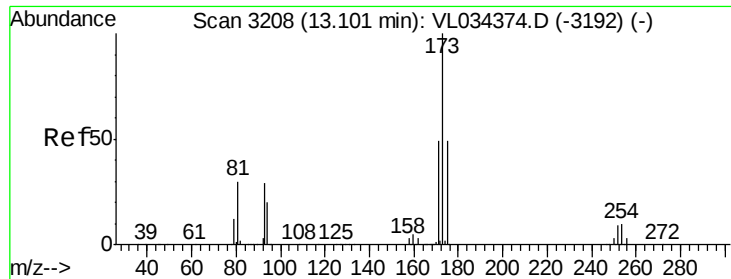
Tgt Ion: 97 Resp: 813968
 Ion Ratio Lower Upper
 97 100
 83 91.4 74.6 112.0
 85 58.0 43.8 65.8
 99 59.4 45.6 68.4



#48
 Dibromochloromethane
 Concen: 9.606 ppbv
 RT: 10.36 min Scan# 2355
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Tgt Ion: 129 Resp: 1473006
 Ion Ratio Lower Upper
 129 100
 127 77.7 39.1 117.5





#49

Bromoform

Concen: 9.395 ppbv

RT: 13.10 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

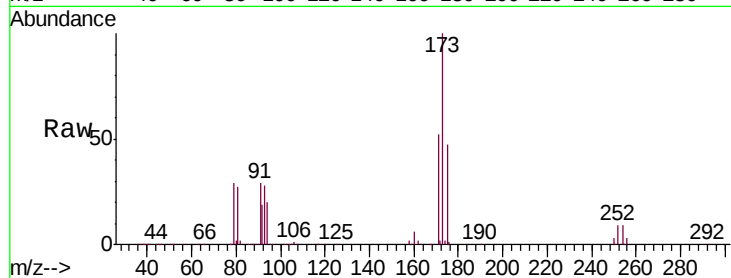
Tgt Ion:173 Resp: 1285963

Ion Ratio Lower Upper

173 100

175 49.4 39.3 58.9

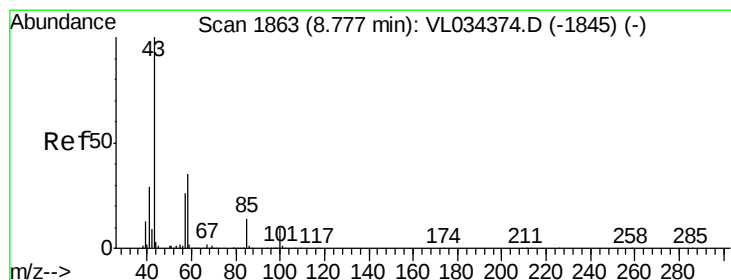
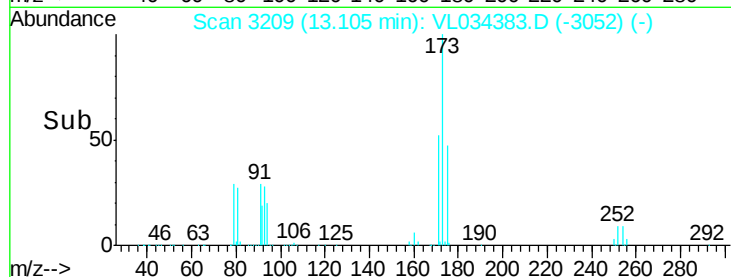
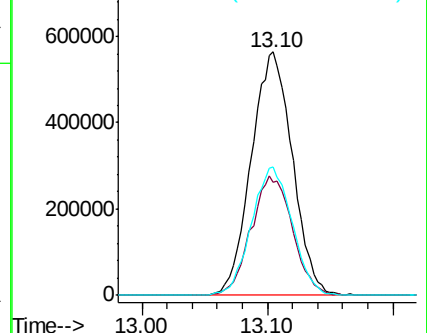
171 52.4 42.4 63.6



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: 9.374 ppbv

RT: 8.78 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VL034383.D

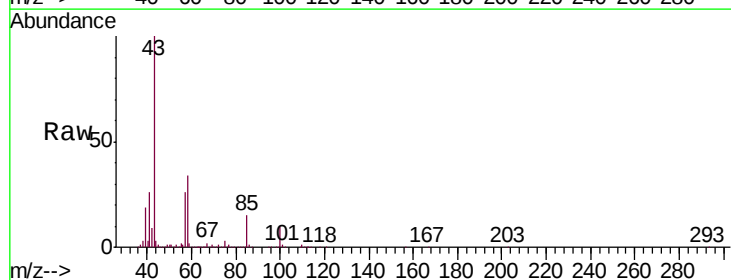
Acq: 19 Nov 2019 17:33

Tgt Ion: 43 Resp: 2327439

Ion Ratio Lower Upper

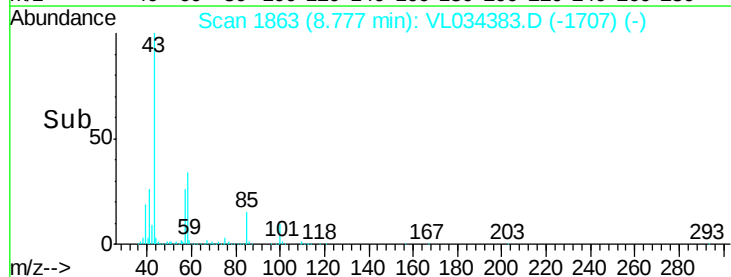
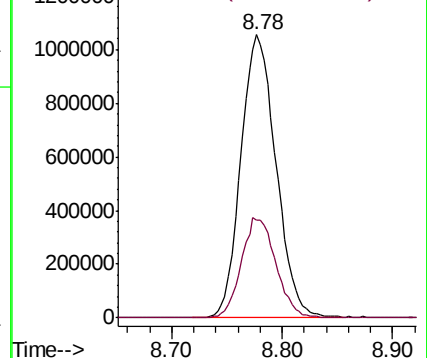
43 100

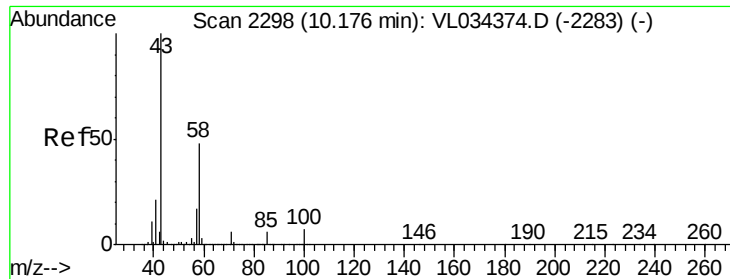
58 34.8 27.9 41.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

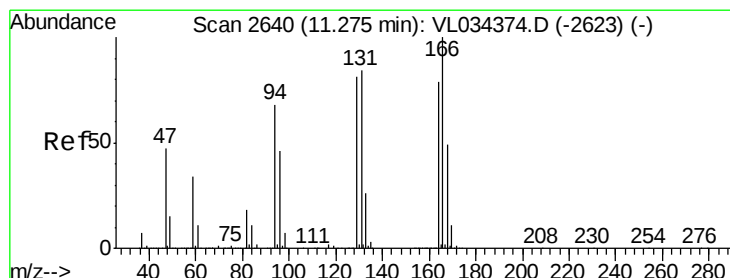
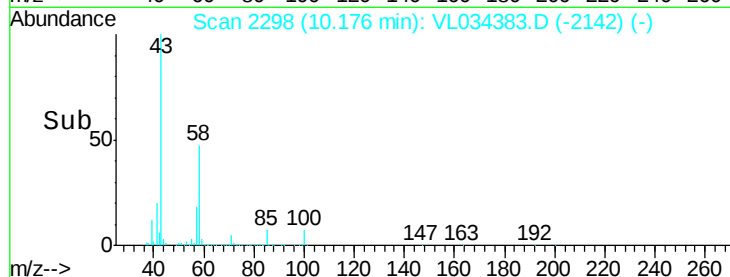
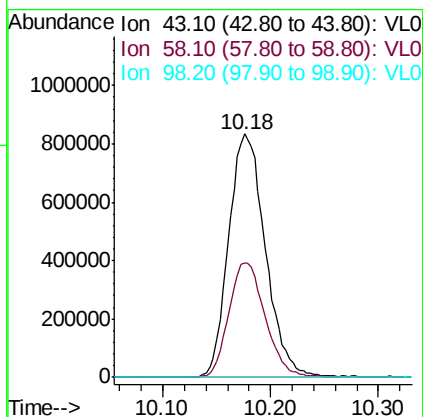
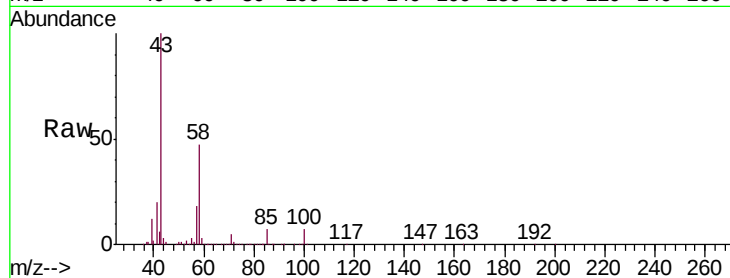




#51
2-Hexanone
Concen: 9.482 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

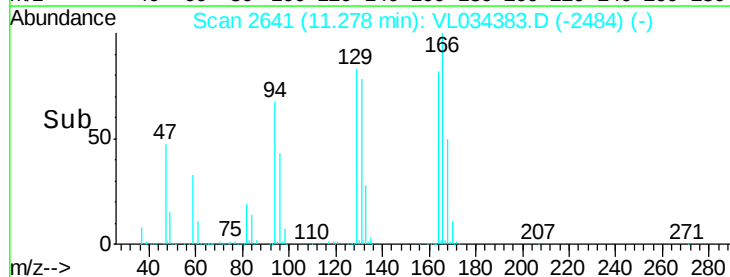
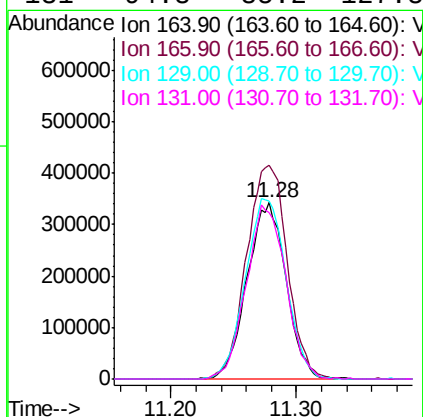
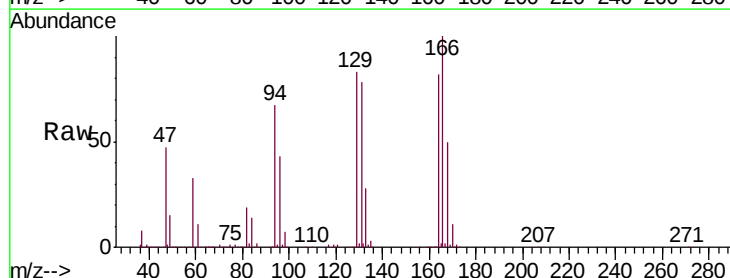
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

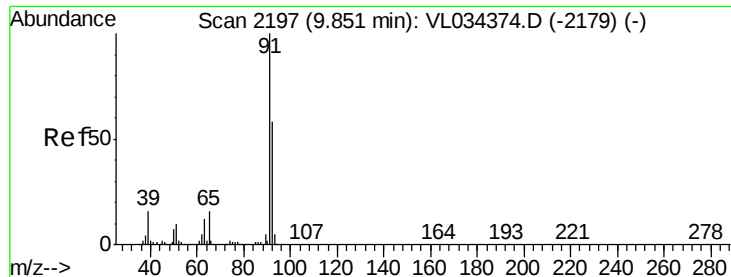
Tgt Ion: 43 Resp: 1971984
Ion Ratio Lower Upper
43 100
58 46.9 38.2 57.4
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 8.211 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion: 164 Resp: 740401
Ion Ratio Lower Upper
164 100
166 121.3 101.7 152.5
129 100.9 82.6 123.8
131 94.8 85.2 127.8





#53

Toluene

Concen: 9.421 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

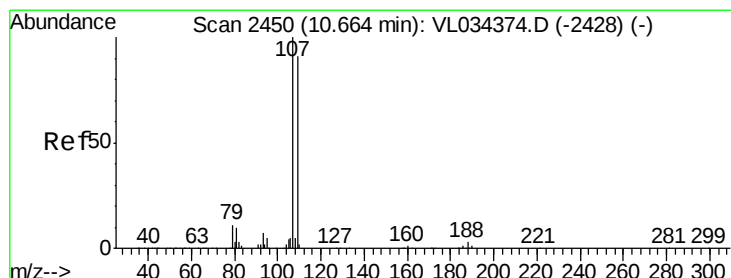
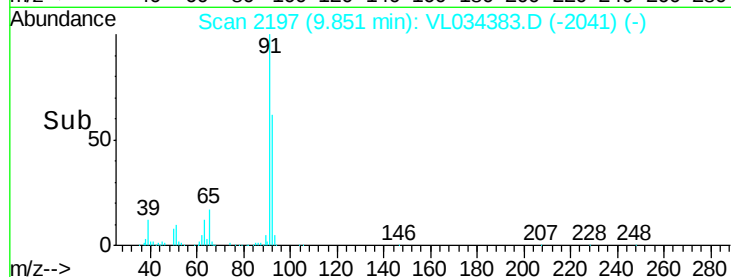
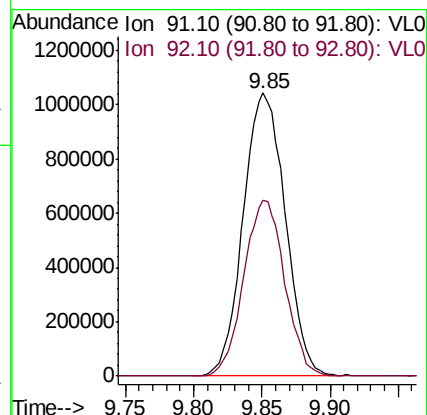
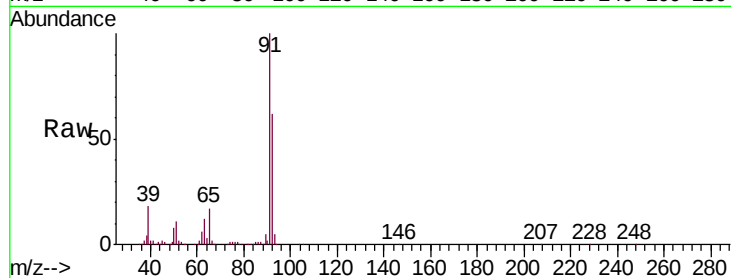
VL1119ABS01

Tgt Ion: 91 Resp: 2230140

Ion Ratio Lower Upper

91 100

92 60.7 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.010 ppbv

RT: 10.66 min Scan# 2450

Delta R.T. 0.00 min

Lab File: VL034383.D

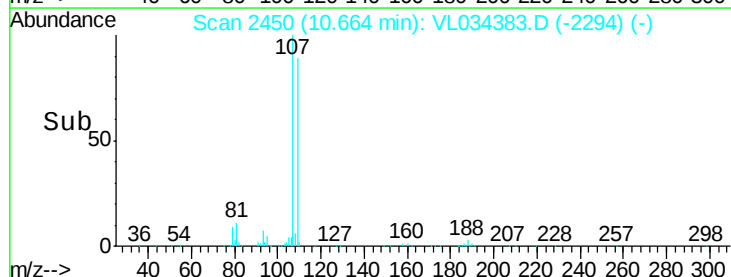
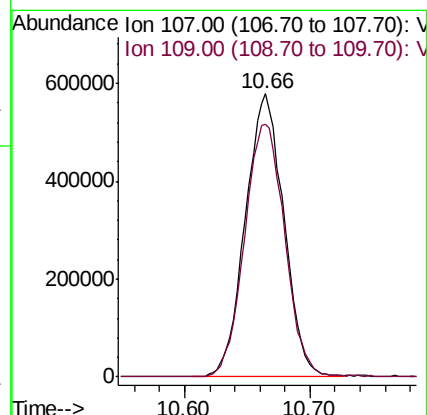
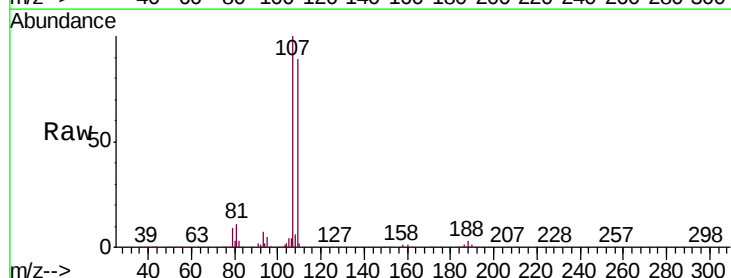
Acq: 19 Nov 2019 17:33

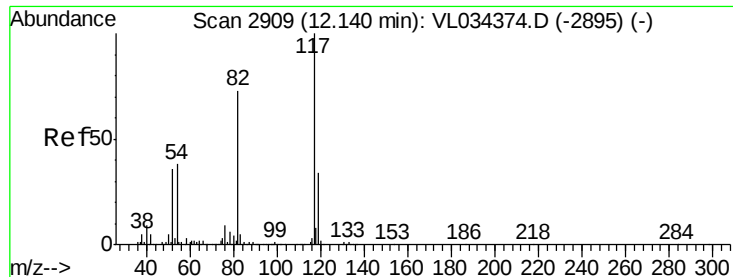
Tgt Ion: 107 Resp: 1233692

Ion Ratio Lower Upper

107 100

109 89.4 73.0 109.4

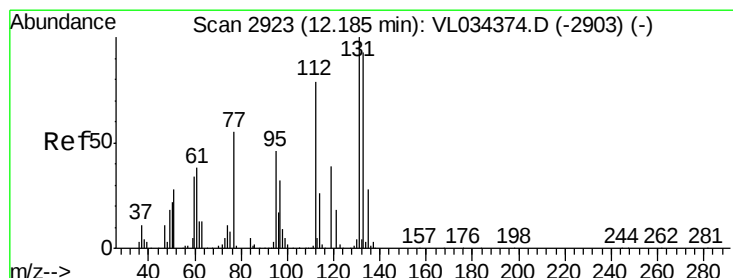
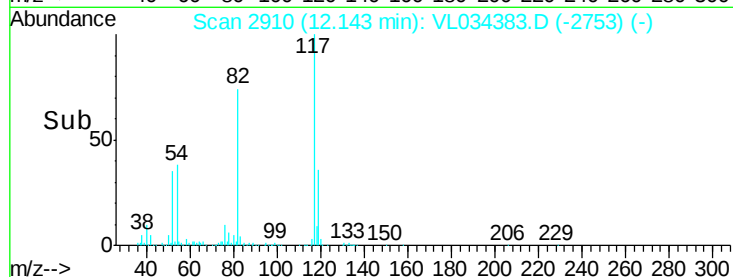
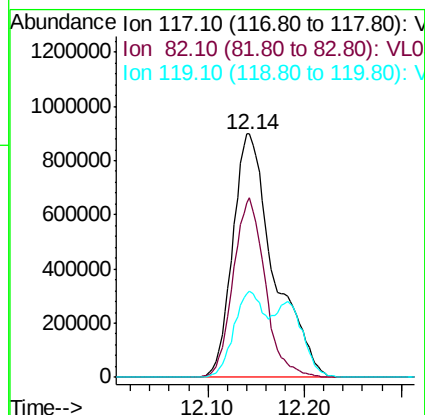
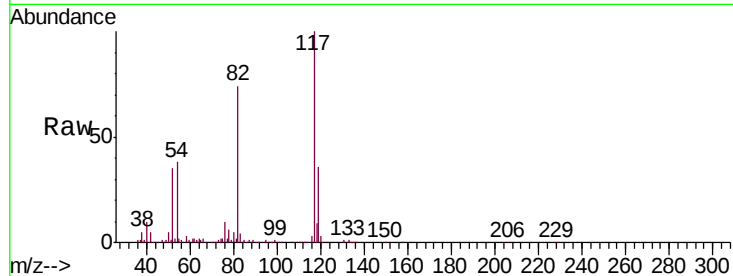




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

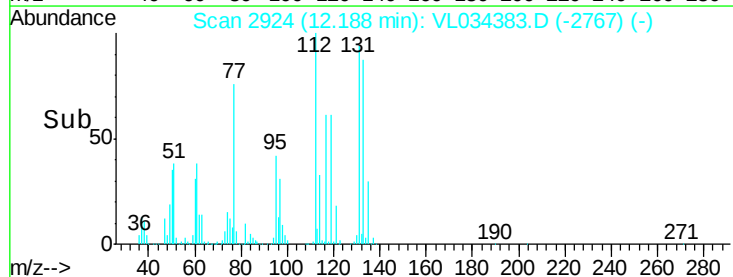
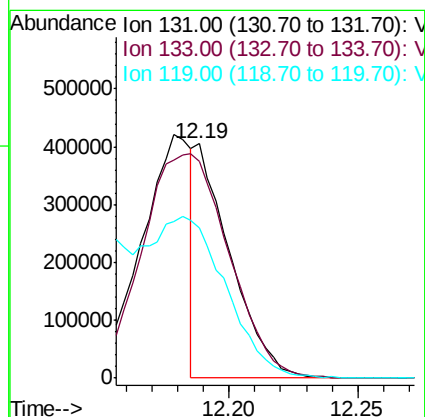
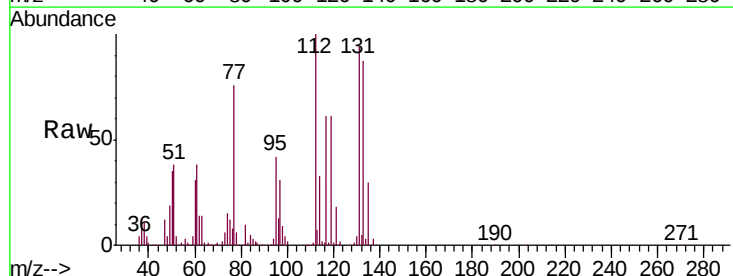
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

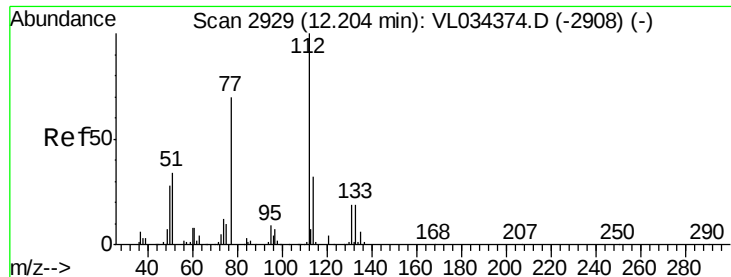
Tgt Ion:117 Resp: 2649389
Ion Ratio Lower Upper
117 100
82 57.8 57.5 86.3
119 27.8 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 2.941 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion:131 Resp: 381178
Ion Ratio Lower Upper
131 100
133 240.3 76.2 114.2#
119 132.9 44.6 67.0#





#57

Chlorobenzene

Concen: 6.938 ppbv

RT: 12.20 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

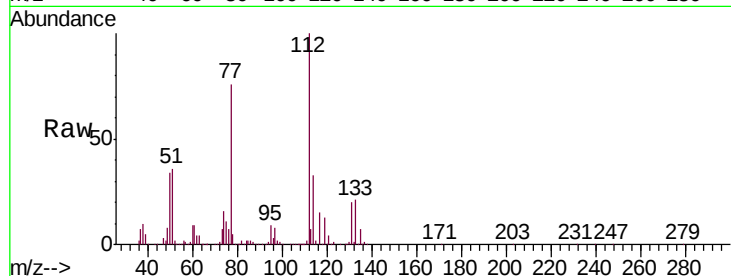
Tgt Ion: 112 Resp: 1661522

Ion Ratio Lower Upper

112 100

77 76.1 57.1 85.7

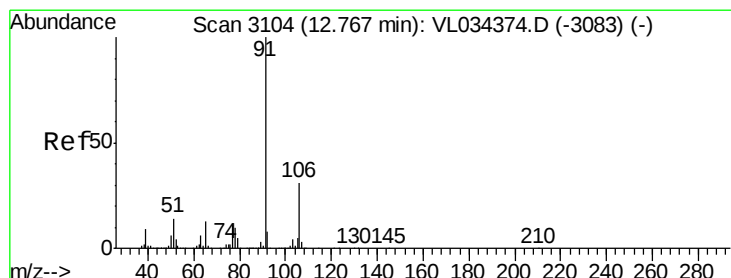
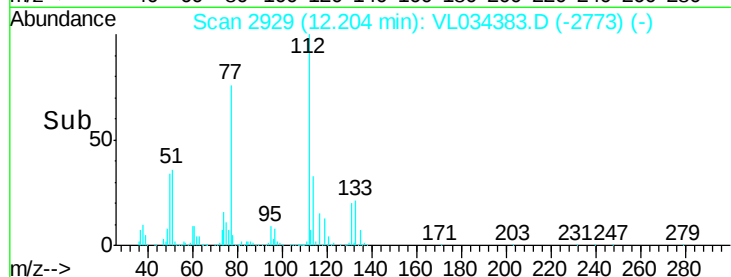
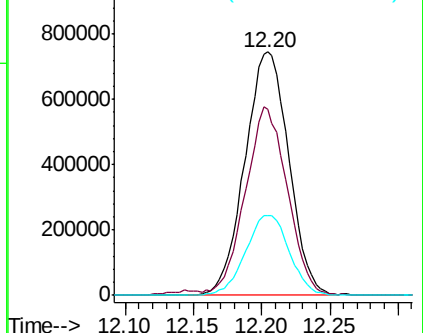
114 32.7 28.5 34.9



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: 7.419 ppbv

RT: 12.77 min Scan# 3104

Delta R.T. 0.00 min

Lab File: VL034383.D

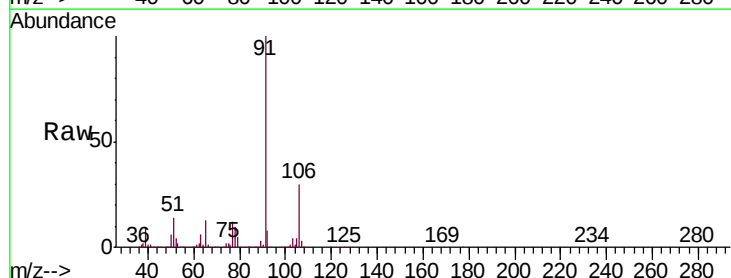
Acq: 19 Nov 2019 17:33

Tgt Ion: 91 Resp: 3050173

Ion Ratio Lower Upper

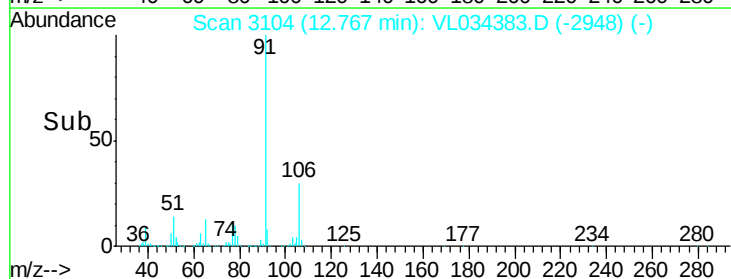
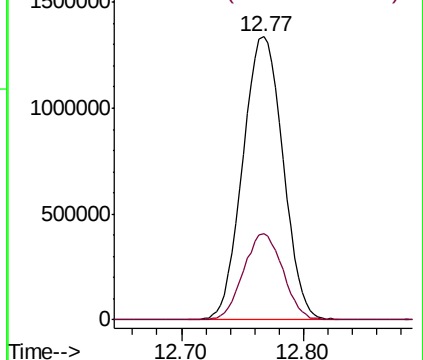
91 100

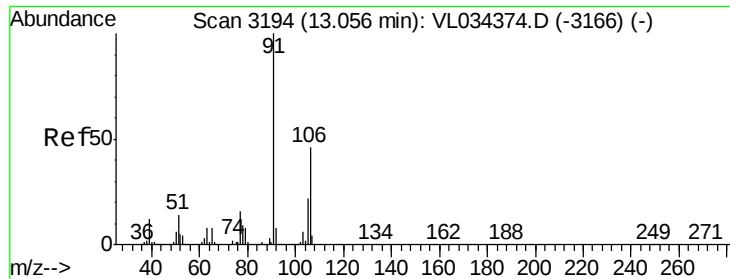
106 30.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

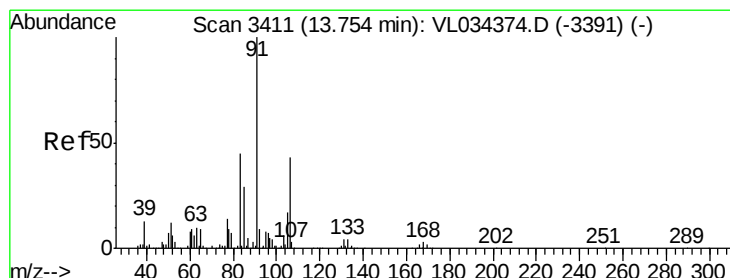
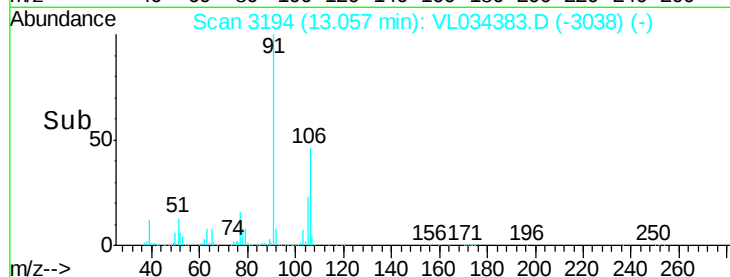
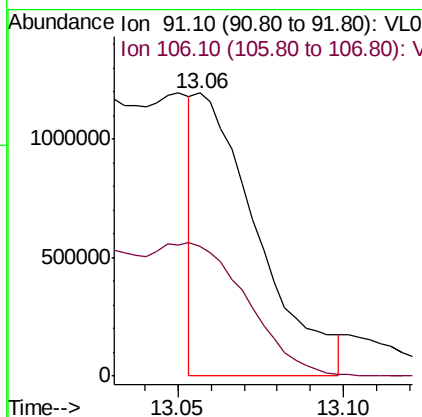
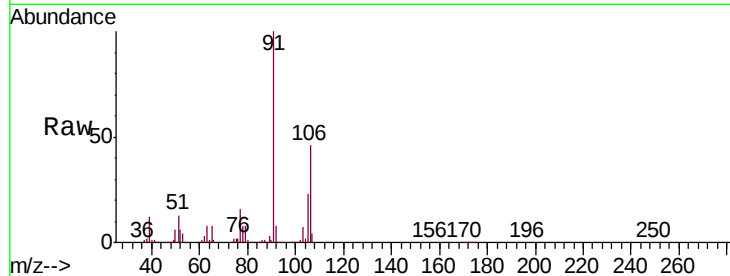




#59
m/p-Xylene
Concen: 4.341 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

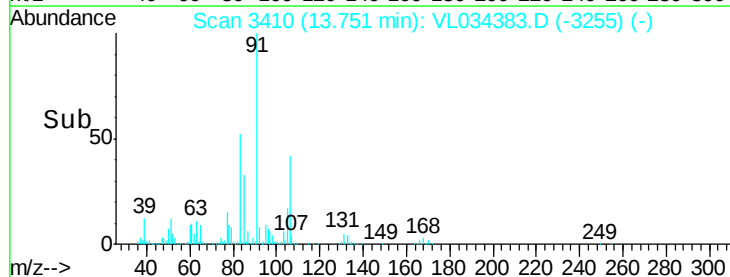
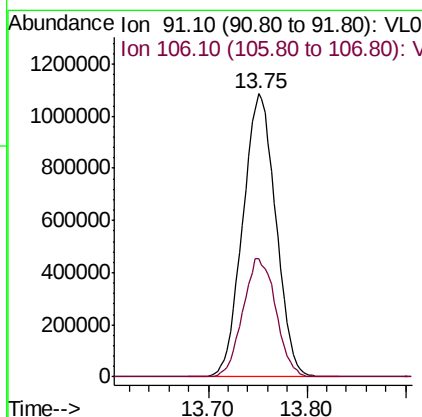
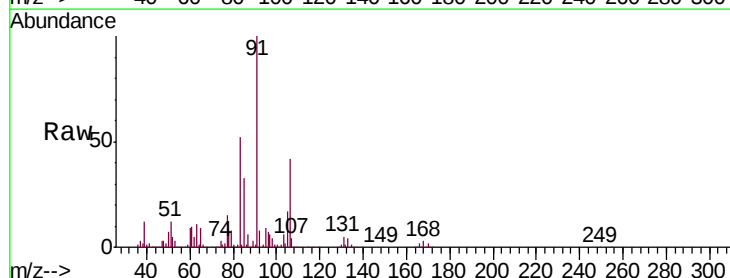
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

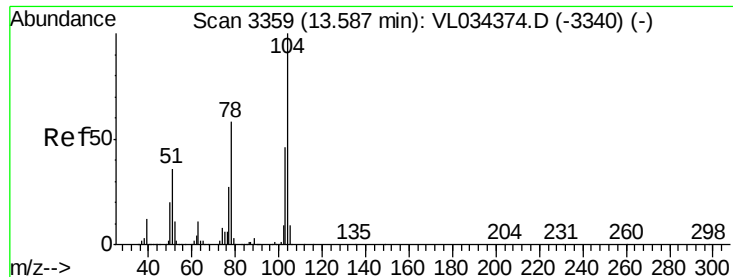
Tgt Ion: 91 Resp: 1542924
Ion Ratio Lower Upper
91 100
106 143.5 34.6 51.8#



#60
o-Xylene
Concen: 7.138 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion: 91 Resp: 2508233
Ion Ratio Lower Upper
91 100
106 41.8 21.3 64.0

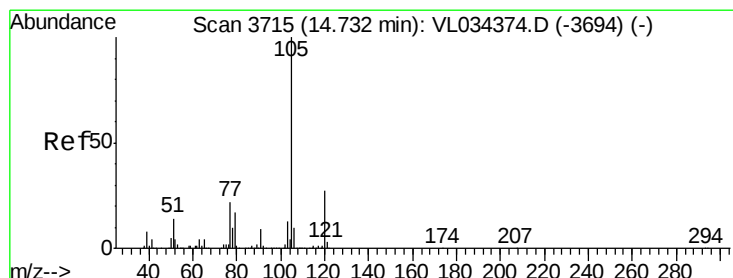
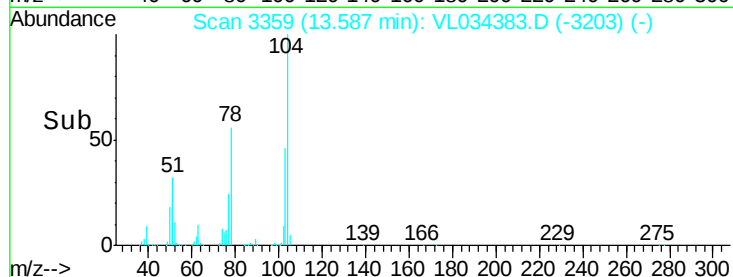
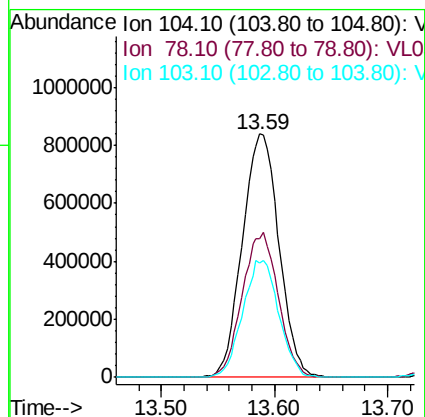
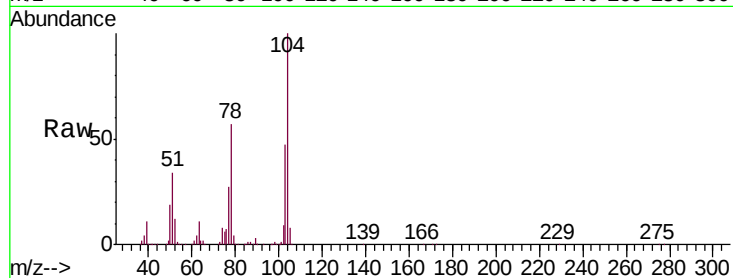




#61
Styrene
Concen: 7.463 ppbv
RT: 13.59 min Scan# 3359
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

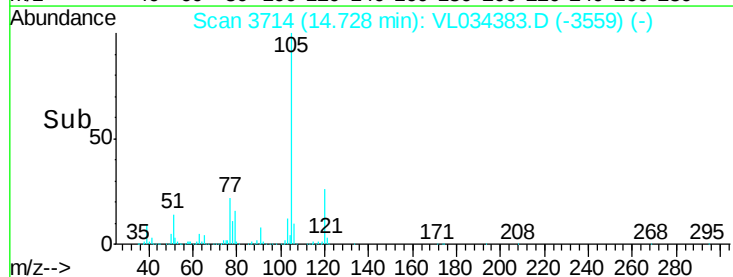
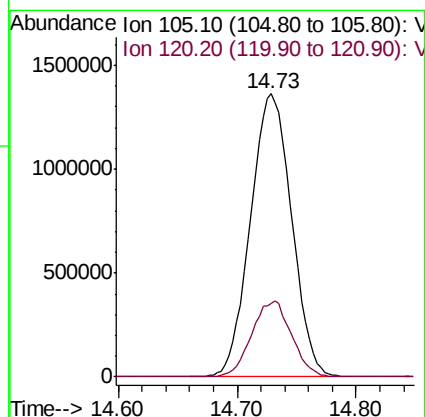
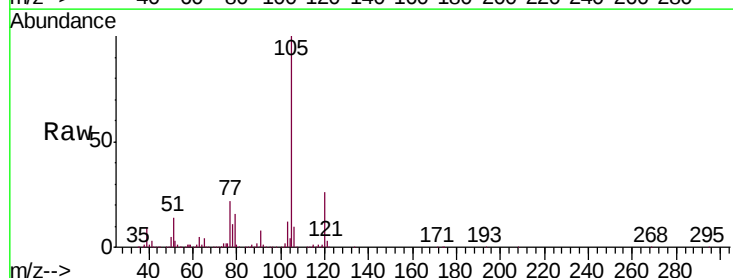
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

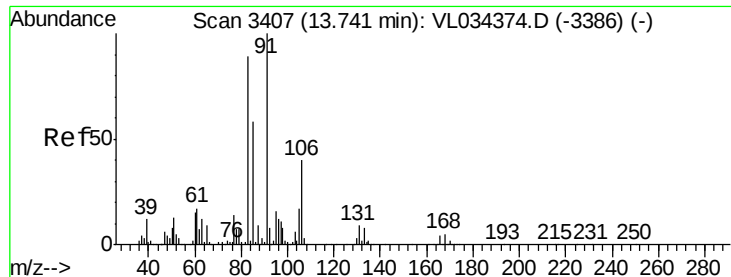
Tgt Ion:104 Resp: 1891023
Ion Ratio Lower Upper
104 100
78 58.7 47.6 71.4
103 47.4 38.6 57.8



#62
Isopropylbenzene
Concen: 7.021 ppbv
RT: 14.73 min Scan# 3714
Delta R.T. -0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion:105 Resp: 3263066
Ion Ratio Lower Upper
105 100
120 25.9 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 6.391 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. -0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

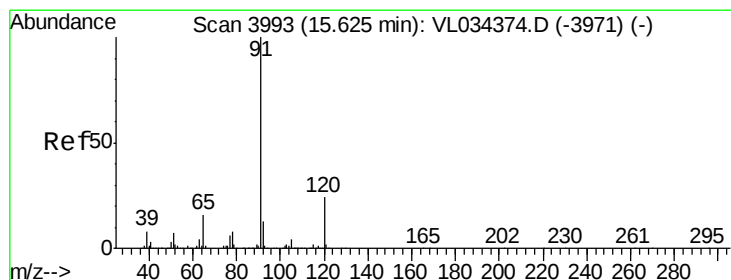
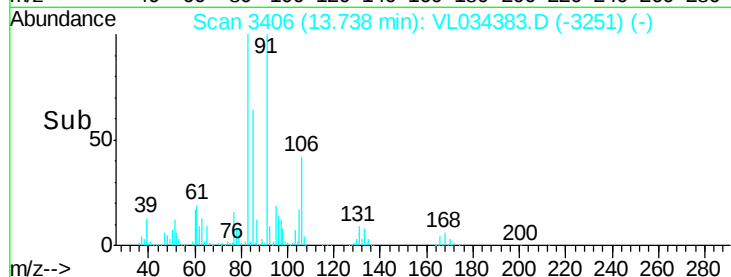
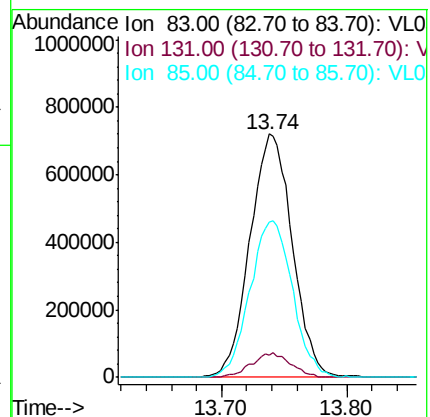
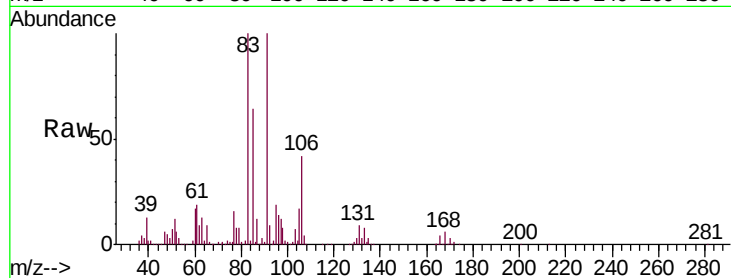
Tgt Ion: 83 Resp: 1688086

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

85 65.0 32.6 97.8



#64

n-propylbenzene

Concen: 6.931 ppbv

RT: 15.63 min Scan# 3993

Delta R.T. 0.00 min

Lab File: VL034383.D

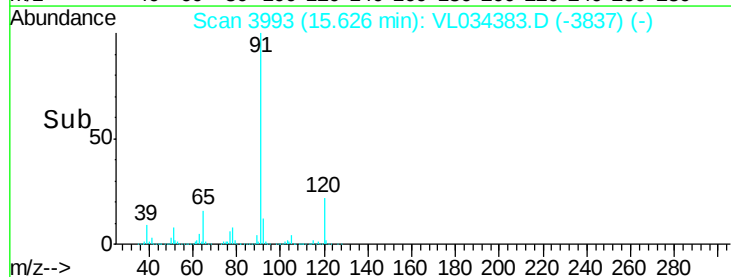
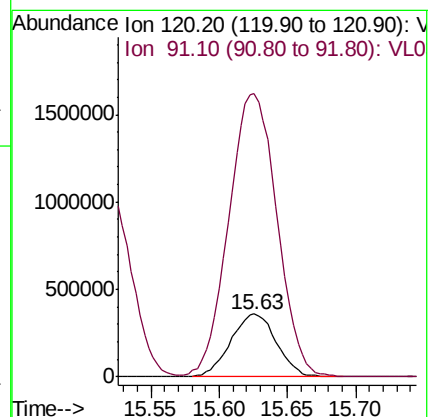
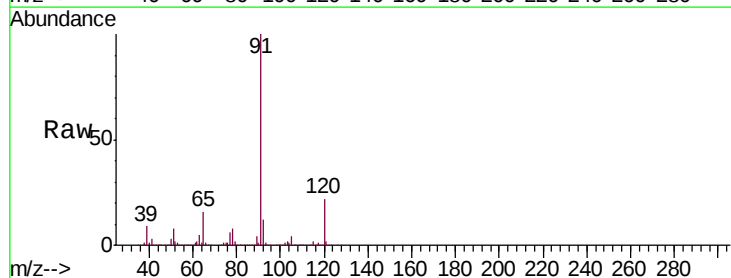
Acq: 19 Nov 2019 17:33

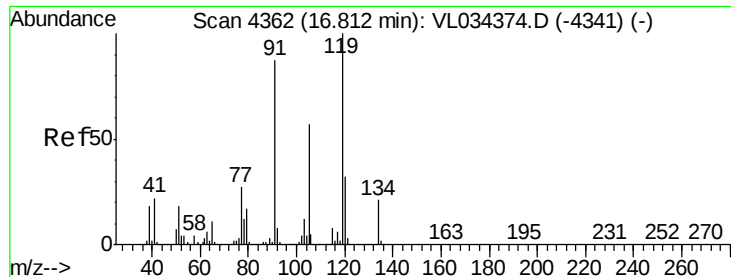
Tgt Ion: 120 Resp: 836476

Ion Ratio Lower Upper

120 100

91 477.1 370.9 556.3

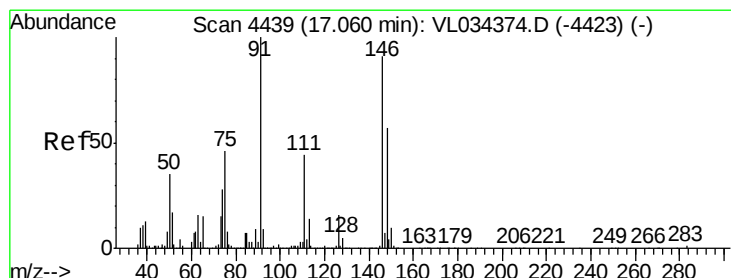
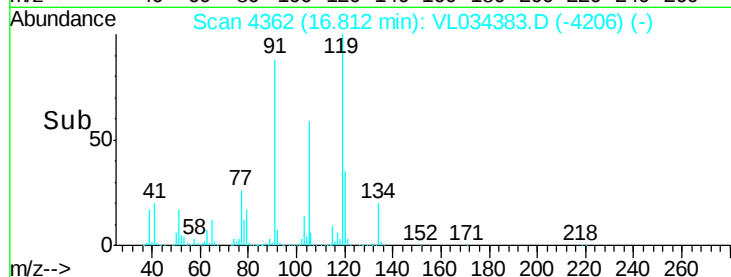
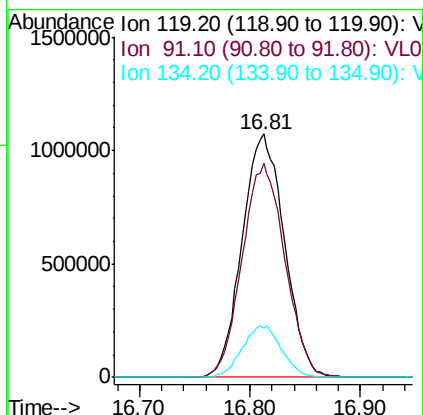
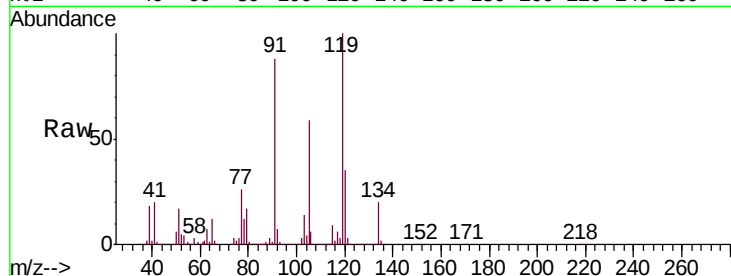




#65
tert-Butylbenzene
Concen: 6.829 ppbv
RT: 16.81 min Scan# 4362
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

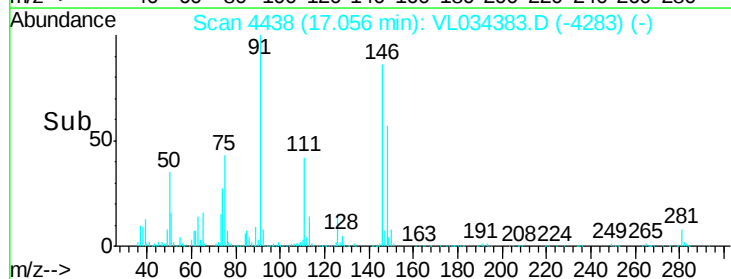
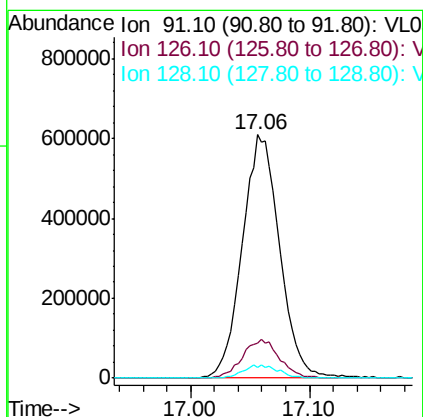
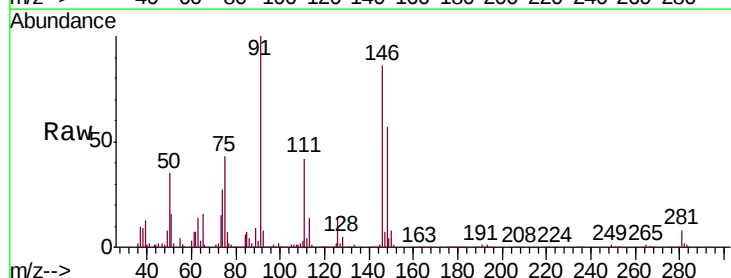
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

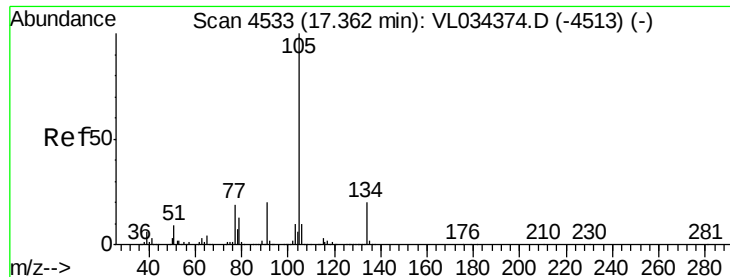
Tgt Ion: 119 Resp: 2850661
Ion Ratio Lower Upper
119 100
91 88.8 71.6 107.4
134 19.7 15.9 23.9



#66
Benzyl Chloride
Concen: 8.225 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. -0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion: 91 Resp: 1320916
Ion Ratio Lower Upper
91 100
126 15.8 12.9 19.3
128 5.1 4.3 6.5





#67

sec-Butylbenzene

Concen: 6.781 ppbv

RT: 17.36 min Scan# 4533

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

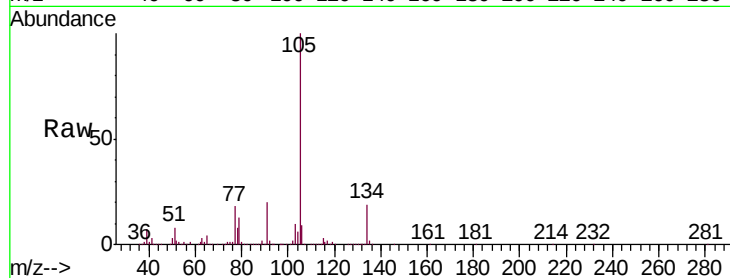
VL1119ABS01

Tgt Ion:105 Resp: 3959553

Ion Ratio Lower Upper

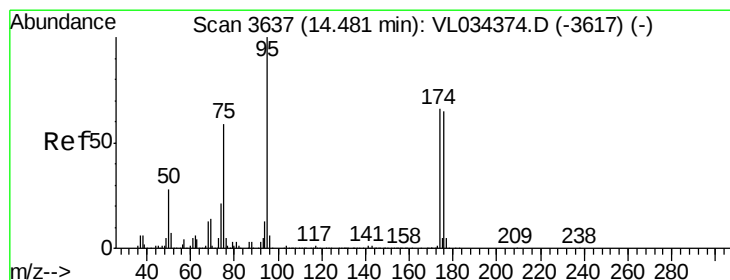
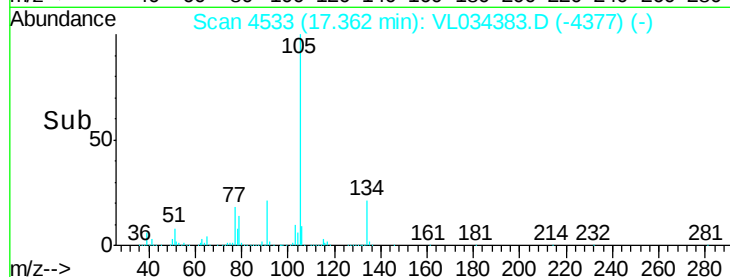
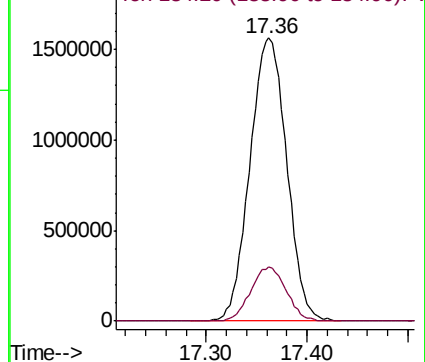
105 100

134 18.5 15.0 22.6



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: 8.016 ppbv

RT: 14.48 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

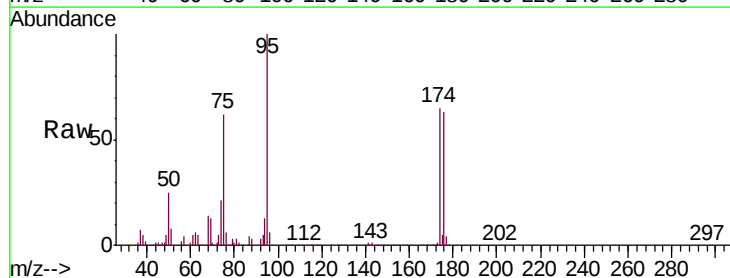
Tgt Ion: 95 Resp: 1786713

Ion Ratio Lower Upper

95 100

174 66.1 52.2 78.2

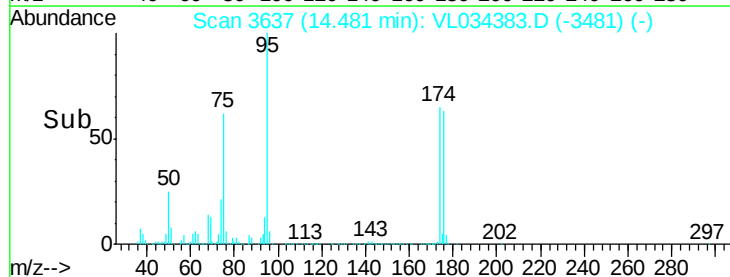
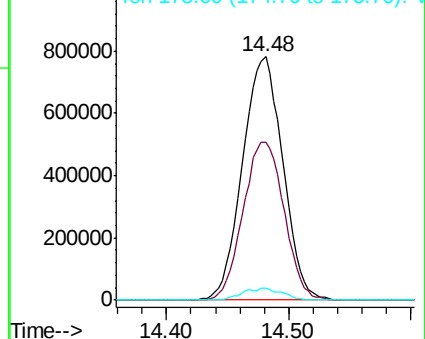
175 4.8 3.8 5.8

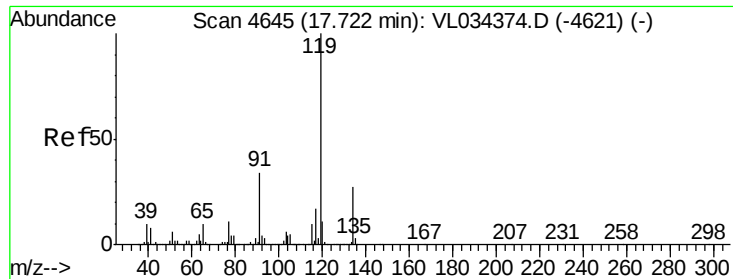


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

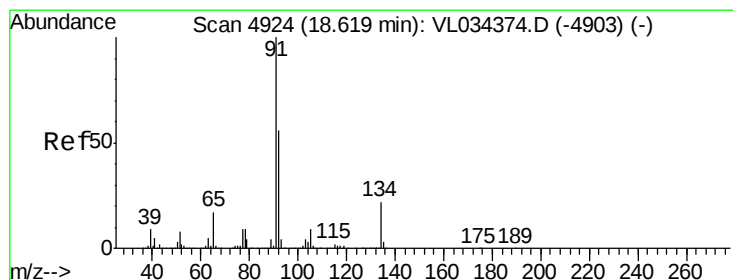
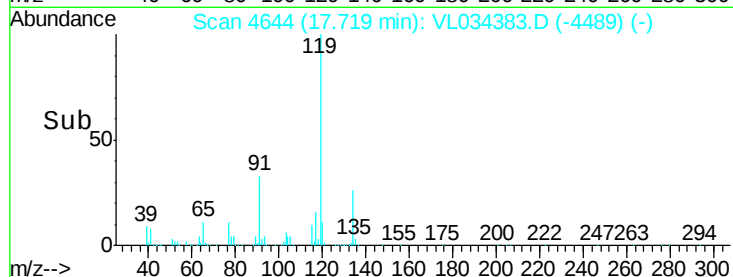
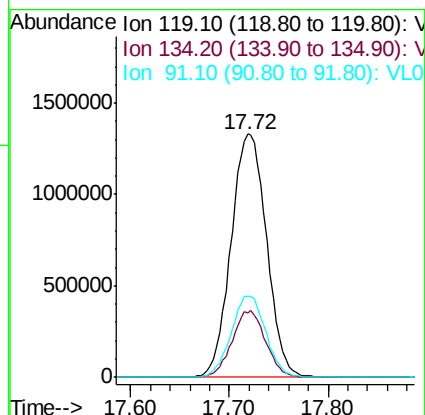
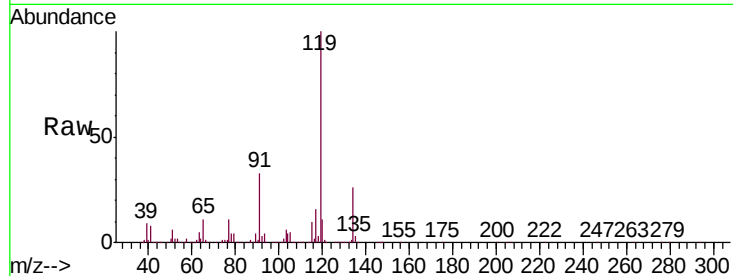




#69
p-Isopropyltoluene
Concen: 6.872 ppbv
RT: 17.72 min Scan# 4644
Delta R.T. -0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

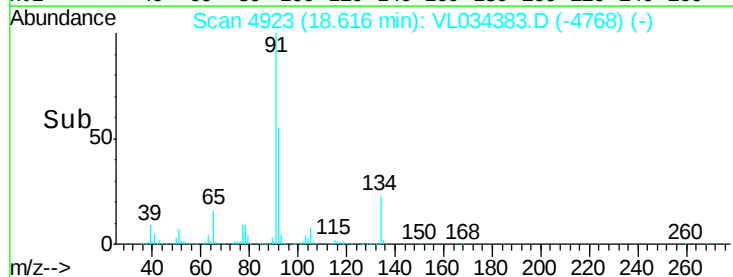
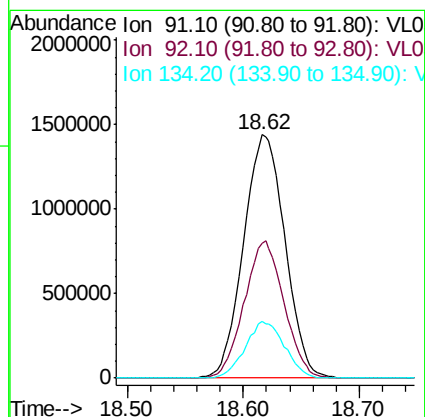
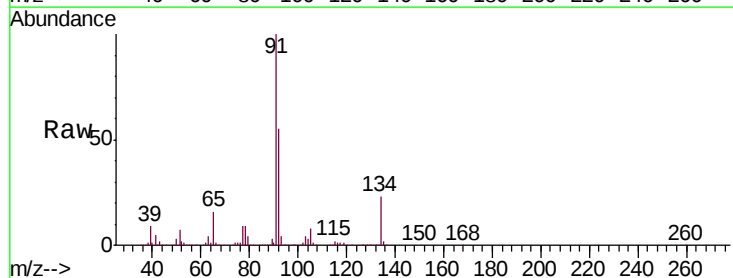
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

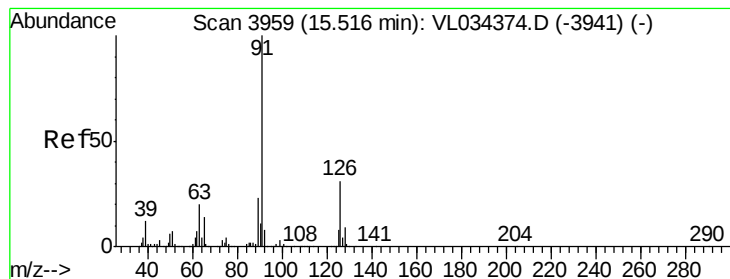
Tgt Ion:119 Resp: 3330297
Ion Ratio Lower Upper
119 100
134 25.9 20.6 31.0
91 32.5 26.3 39.5



#70
n-Butylbenzene
Concen: 6.843 ppbv
RT: 18.62 min Scan# 4923
Delta R.T. -0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion: 91 Resp: 3568285
Ion Ratio Lower Upper
91 100
92 54.4 43.8 65.6
134 22.3 17.9 26.9





#71

2-Chlorotoluene

Concen: 6.892 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

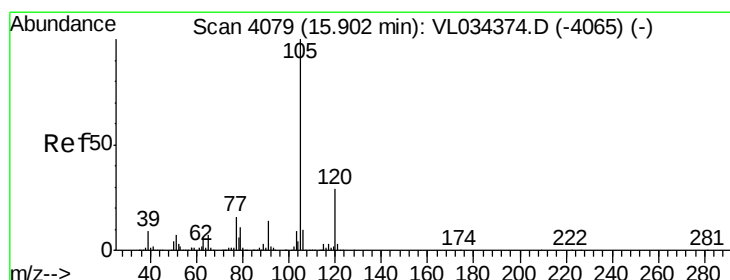
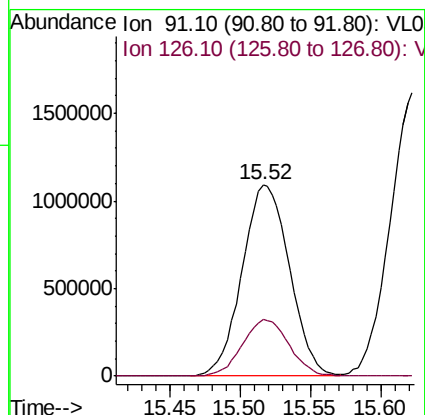
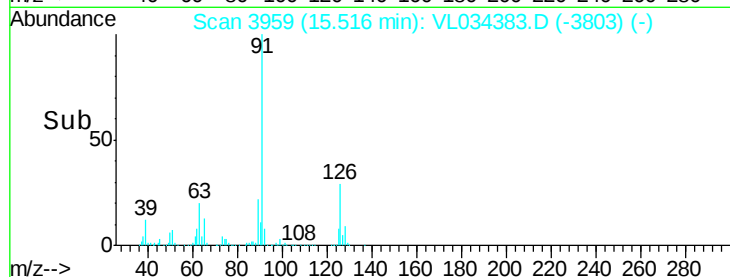
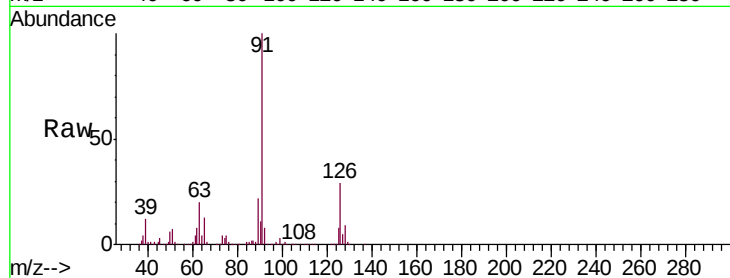
VL1119ABS01

Tgt Ion: 91 Resp: 2553794

Ion Ratio Lower Upper

91 100

126 29.3 11.8 47.4



#72

4-Ethyltoluene

Concen: 7.080 ppbv

RT: 15.91 min Scan# 4080

Delta R.T. 0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Tgt Ion: 105 Resp: 2874764

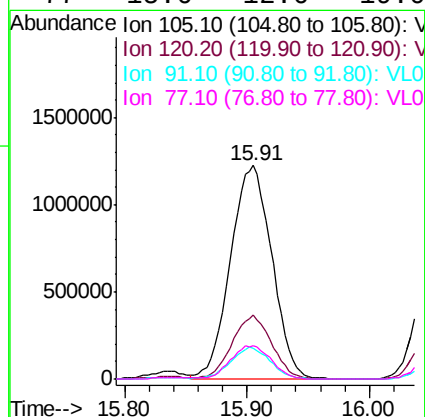
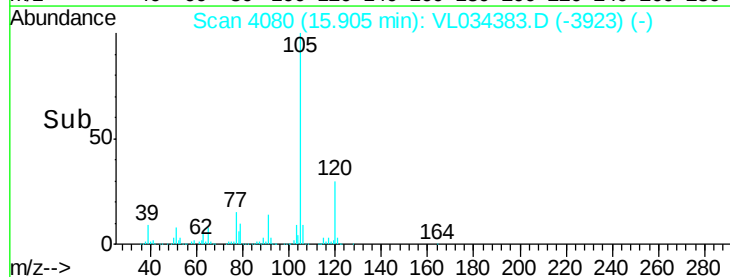
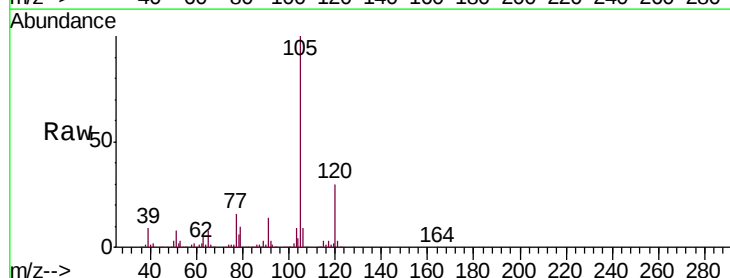
Ion Ratio Lower Upper

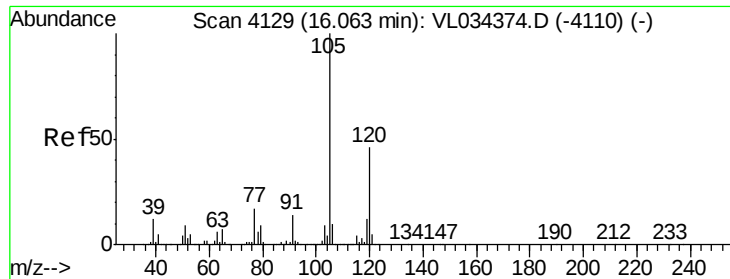
105 100

120 28.7 23.5 35.3

91 14.2 11.4 17.0

77 15.6 12.6 19.0

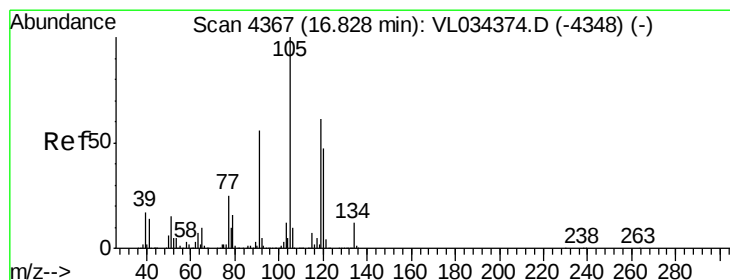
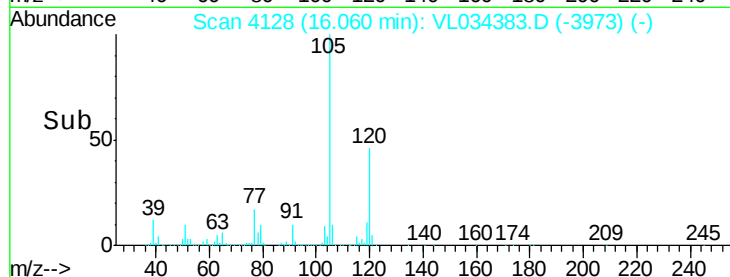
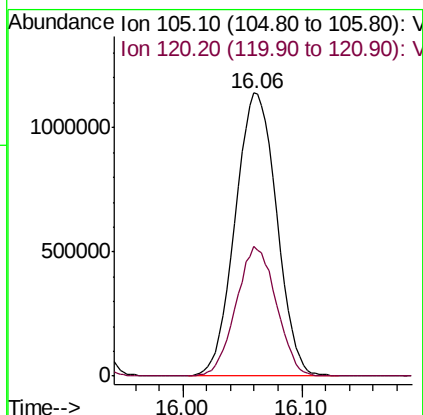
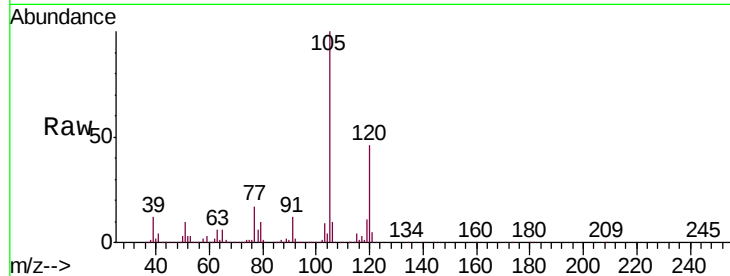




#73
 1,3,5-Trimethylbenzene
 Concen: 6.887 ppbv
 RT: 16.06 min Scan# 4128
 Delta R.T. -0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

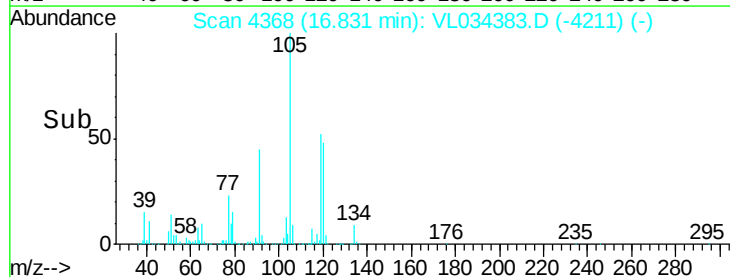
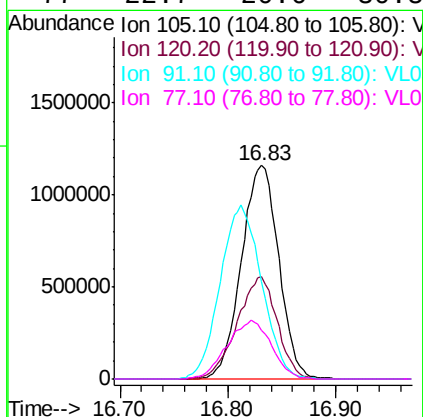
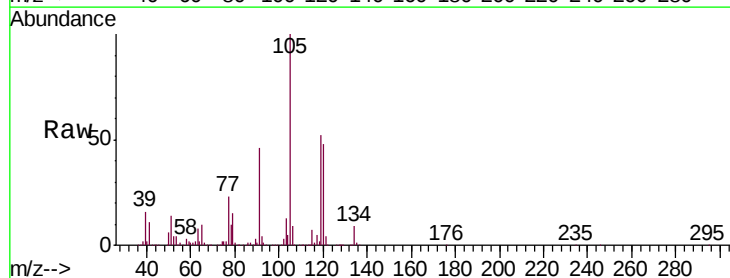
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

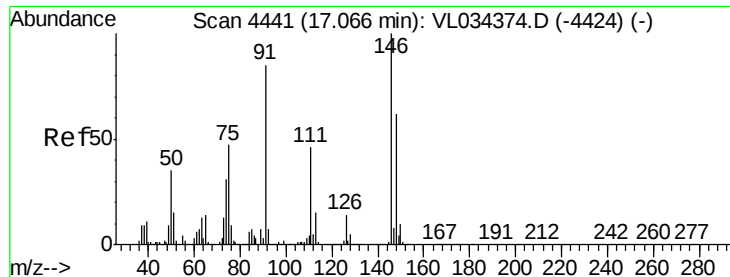
Tgt Ion:105 Resp: 2737058
 Ion Ratio Lower Upper
 105 100
 120 45.7 37.1 55.7



#74
 1,2,4-Trimethylbenzene
 Concen: 6.599 ppbv
 RT: 16.83 min Scan# 4368
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Tgt Ion:105 Resp: 2786120
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.4 56.0
 91 45.4 46.3 69.5#
 77 22.7 20.6 30.8

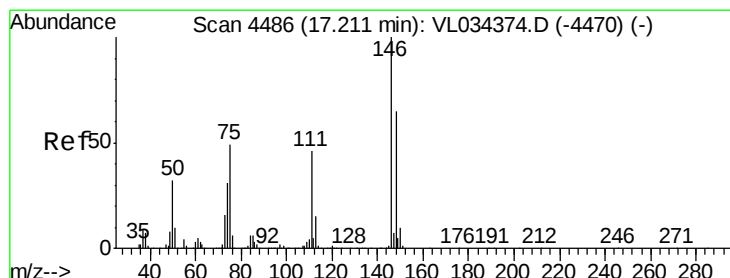
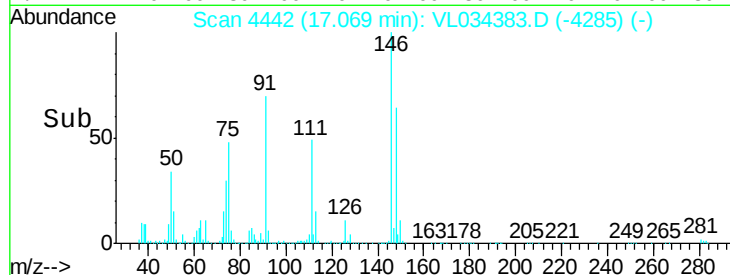
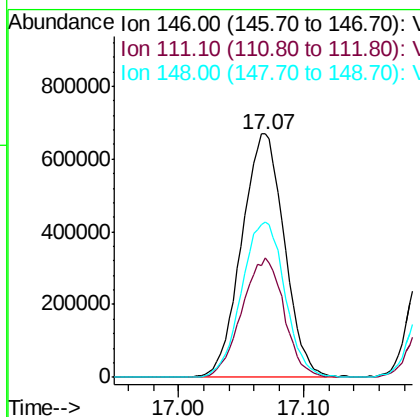
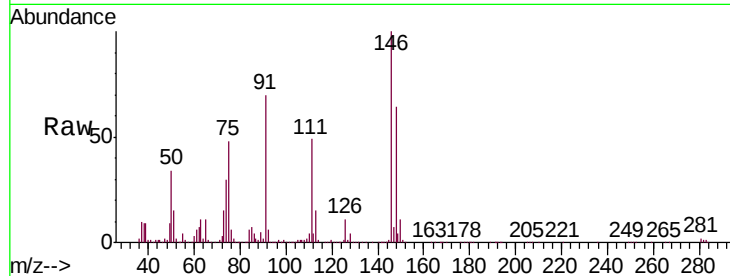




#75
 1,3-Dichlorobenzene
 Concen: 6.517 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

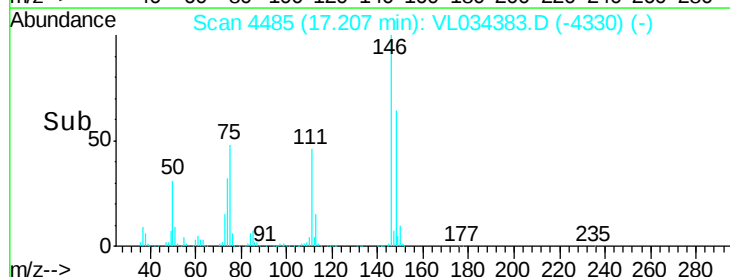
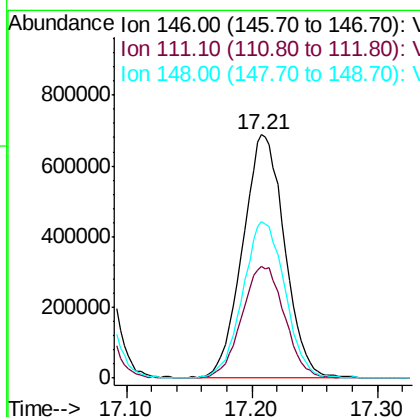
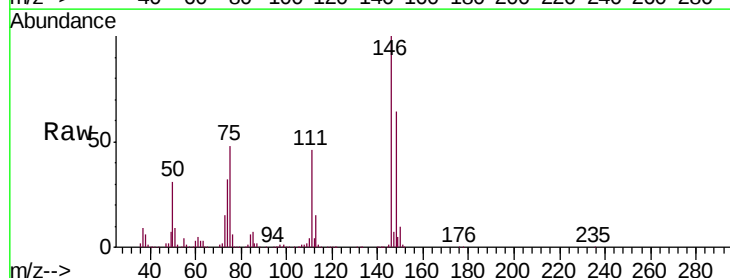
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

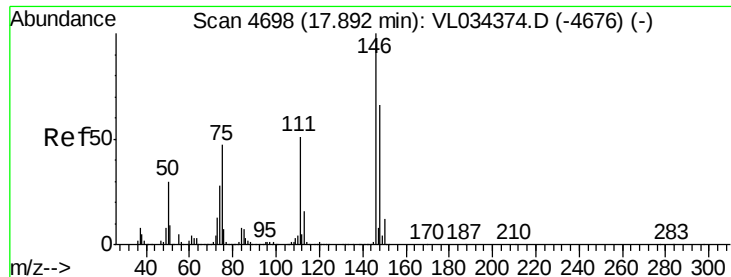
Tgt Ion:146 Resp: 1581501
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.4 73.4
 148 64.7 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 6.742 ppbv
 RT: 17.21 min Scan# 4485
 Delta R.T. -0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Tgt Ion:146 Resp: 1588687
 Ion Ratio Lower Upper
 146 100
 111 47.2 24.1 72.3
 148 65.3 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 6.606 ppbv

RT: 17.89 min Scan# 4696

Delta R.T. -0.01 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

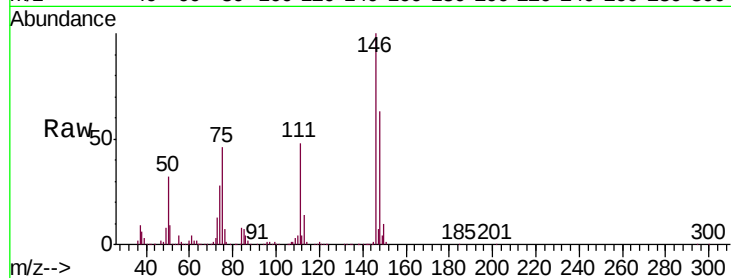
Tgt Ion:146 Resp: 1548306

Ion Ratio Lower Upper

146 100

111 50.2 25.0 75.0

148 64.7 32.7 98.1



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

800000

600000

400000

200000

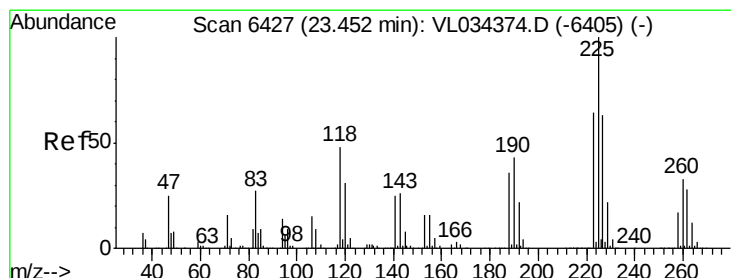
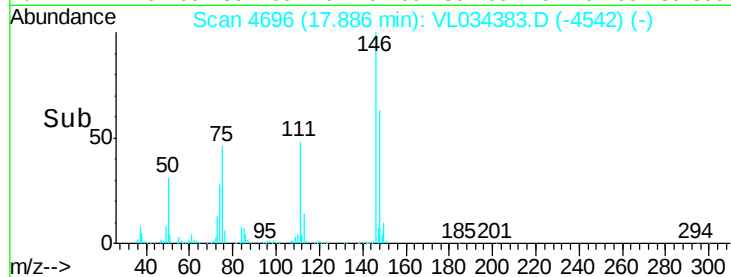
0

17.89

17.80

17.90

Time-->



#78

Hexachloro-1,3-Butadiene

Concen: 7.557 ppbv

RT: 23.45 min Scan# 6426

Delta R.T. -0.00 min

Lab File: VL034383.D

Acq: 19 Nov 2019 17:33

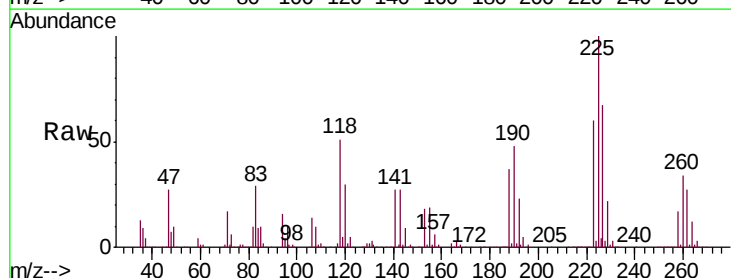
Tgt Ion:225 Resp: 1521873

Ion Ratio Lower Upper

225 100

223 63.3 50.2 75.2

227 65.7 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

800000

600000

400000

200000

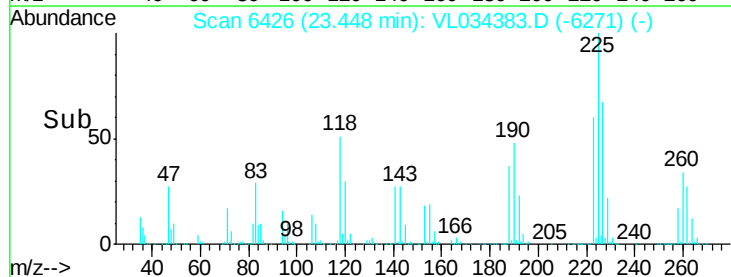
0

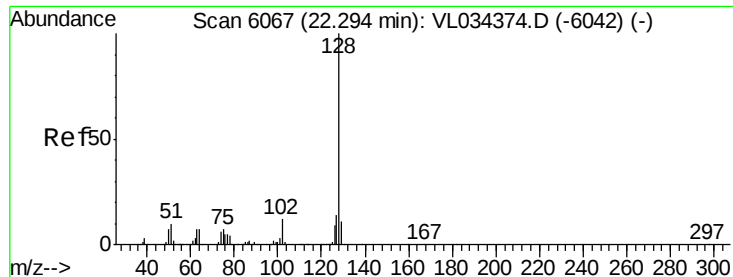
23.45

23.40

23.50

Time-->

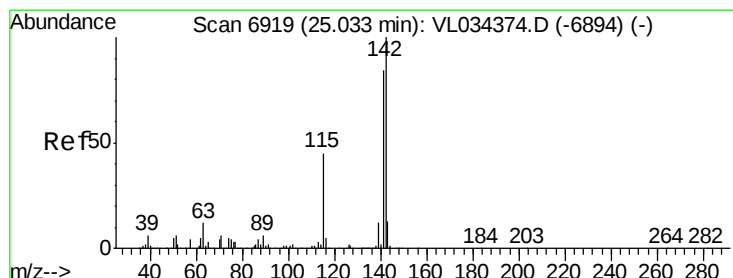
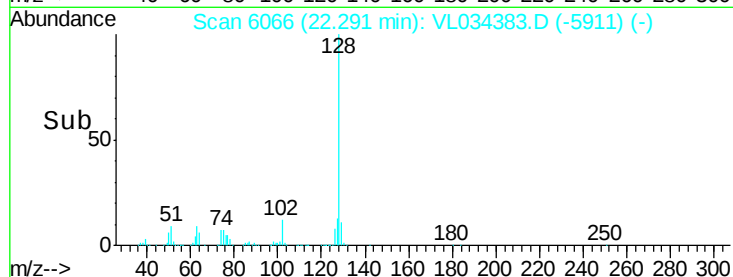
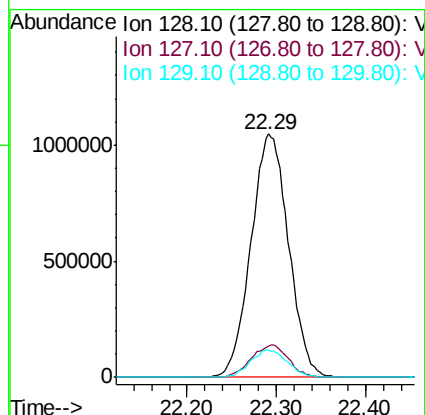
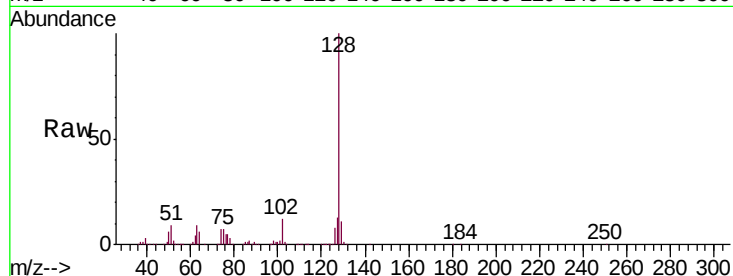




#79
Naphthalene
Concen: 8.382 ppbv
RT: 22.29 min Scan# 6066
Delta R.T. -0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

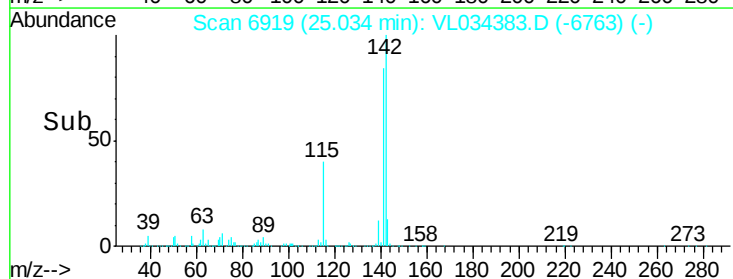
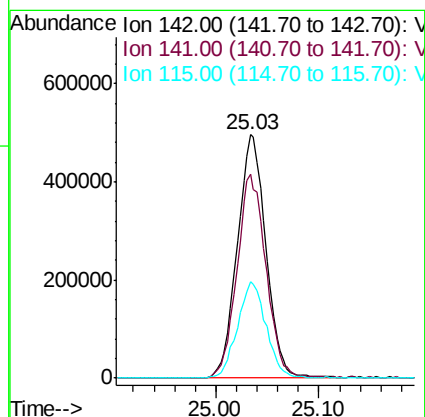
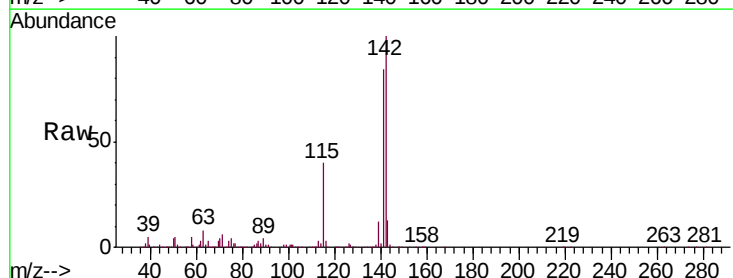
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

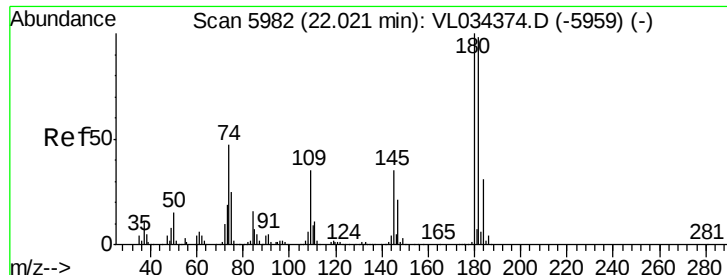
Tgt Ion:128 Resp: 3067662
Ion Ratio Lower Upper
128 100
127 13.0 11.0 16.6
129 11.3 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 5.825 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034383.D
Acq: 19 Nov 2019 17:33

Tgt Ion:142 Resp: 962686
Ion Ratio Lower Upper
142 100
141 85.4 67.1 100.7
115 39.7 36.6 54.8

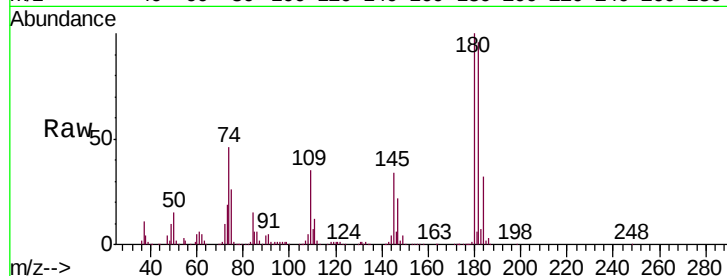




#81
 1,2,4-Trichlorobenzene
 Concen: 7.900 ppbv
 RT: 22.02 min Scan# 5982
 Delta R.T. 0.00 min
 Lab File: VL034383.D
 Acq: 19 Nov 2019 17:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

Tgt Ion:180 Resp: 1776186
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.8 115.2
 184 31.5 24.9 37.3



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

