

Data File : VL034150.D

Acq On : 10 Sep 2019 19:51

Operator : SY/AP

Sample : K4775-04

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Sep 11 01:52:43 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019

QLast Update : Thu Sep 05 10:21:45 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	637213	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1289990	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1261470	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1060831	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	21874	0.208	ppbv	96
3) Chlorodifluoromethane	2.95	51	84772	1.193	ppbv #	70
4) Chloromethane	3.13	50	26610	0.599	ppbv #	83
7) Chloroethane	3.55	64	1619	0.117	ppbv #	72
9) Propene	3.00	41	1431764	36.027	ppbv	98
10) Heptane	8.18	43	319358	3.096	ppbv	99
11) Trichlorofluoromethane	3.95	101	21679	0.253	ppbv #	81
13) Ethanol	3.62	45	464887	59.713	ppbv	97
15) Acetone	3.86	43	11844207	154.227	ppbv #	29
16) 1,3-Butadiene	3.30	39	2490837	64.044	ppbv #	21
17) tert-Butyl alcohol	4.32	59	481888	8.644	ppbv	100
19) Isopropyl Alcohol	3.99	45	1253827	24.189	ppbv #	97
20) Methylene Chloride	4.38	84	20585	0.811	ppbv #	84
21) Allyl Chloride	4.42	41	10707	0.211	ppbv #	18
23) Vinyl Acetate	5.13	43	621195	4.768	ppbv #	43
25) Ethyl Acetate	5.72	43	311043	1.845	ppbv #	83
26) Hexane	5.72	57	374708	4.999	ppbv #	30
27) Carbon Disulfide	4.56	76	50706	0.750	ppbv #	87
29) Chloroform	5.80	83	14660	0.145	ppbv	84
30) Cyclohexane	7.18	84	86545	1.597	ppbv #	76
31) cis-1,2-Dichloroethene	5.60	61	7200	0.100	ppbv	96
32) 1,1,1-Trichloroethane	6.57	97	52538	0.550	ppbv	96
34) 2-Butanone	5.28	43	3971085	32.021	ppbv	94
36) Benzene	6.95	78	410410	2.783	ppbv	96
38) Trichloroethene	7.90	130	12149	0.221	ppbv	93
39) 1,2-Dichloropropane	7.24	63	372699	5.906	ppbv #	25
41) Tetrahydrofuran	6.09	42	39727	0.534	ppbv #	83
42) Bromodichloromethane	7.86	83	10651	0.090	ppbv #	30
43) Methyl Methacrylate	8.11	69	26749	0.440	ppbv #	1
44) 2,2,4-Trimethylpentane	7.92	57	346595	1.275	ppbv #	32
50) 4-Methyl-2-Pentanone	8.81	43	119238	0.630	ppbv	100
51) 2-Hexanone	10.19	43	1170271	7.158	ppbv #	99
52) Tetrachloroethene	11.30	164	446254	8.583	ppbv	98
53) Toluene	9.88	91	1502566	9.214	ppbv	99
58) Ethyl Benzene	12.80	91	117661	0.569	ppbv	95
59) m/p-Xylene	13.05	91	751135	4.451	ppbv	100
60) o-Xylene	13.78	91	270298	1.608	ppbv	99
61) Styrene	13.61	104	20644	0.164	ppbv	91
62) Isopropylbenzene	14.75	105	6946	0.032	ppbv #	1
64) n-propylbenzene	15.65	120	17644	0.322	ppbv #	53
65) tert-Butylbenzene	16.85	119	12024	0.064	ppbv #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091019\
Quantitation Report (Not Reviewed)

Data File : VL034150.D
Acq On : 10 Sep 2019 19:51
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Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: Sep 11 01:52:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

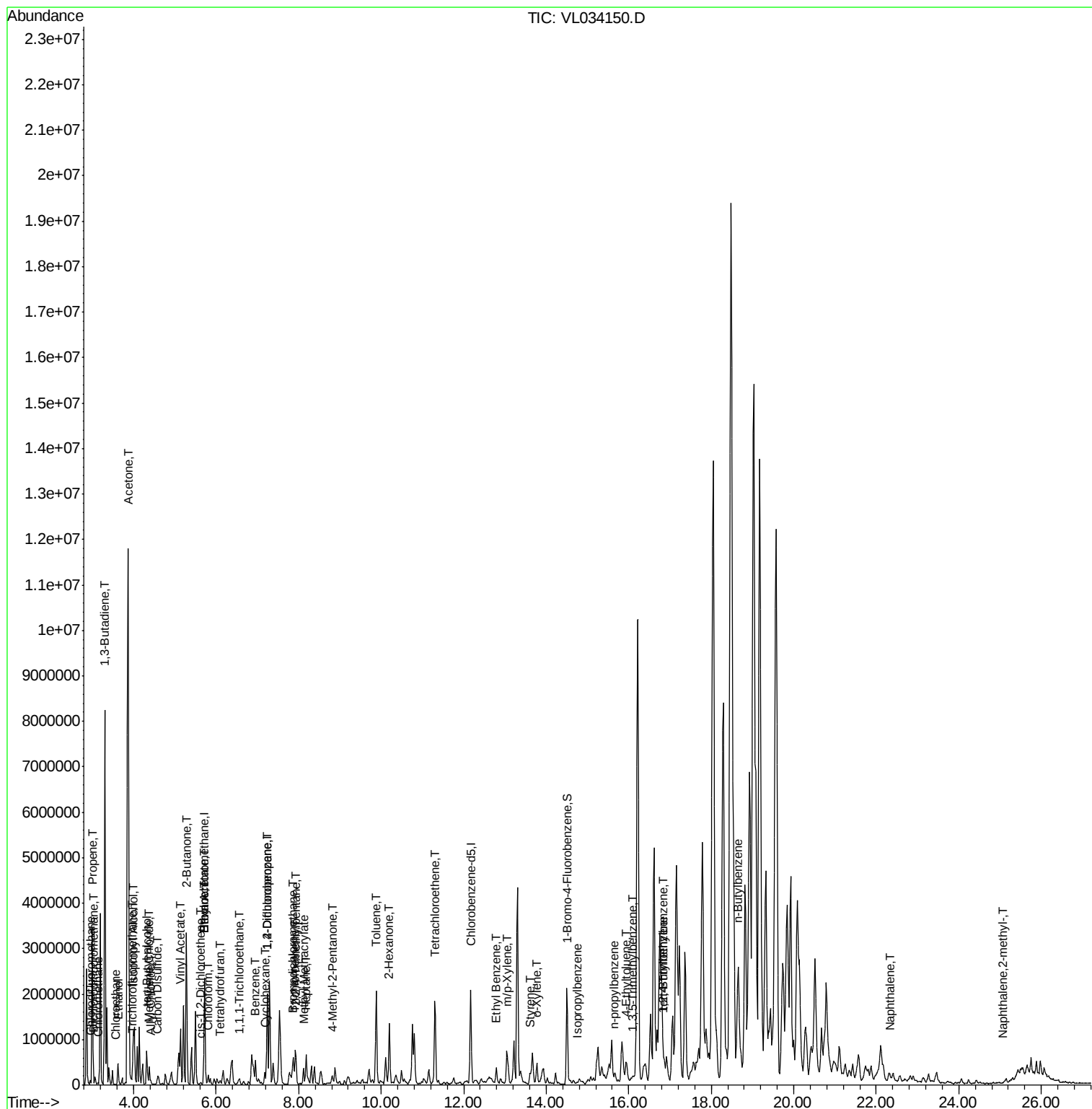
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) n-Butylbenzene	18.65	91	29547	0.120	ppbv #	40
72) 4-Ethyltoluene	15.93	105	98166	0.518	ppbv	94
73) 1,3,5-Trimethylbenzene	16.09	105	70687	0.384	ppbv	98
74) 1,2,4-Trimethylbenzene	16.85	105	279389	1.472	ppbv #	71
79) Naphthalene	22.34	128	11639	0.068	ppbv	96
80) Naphthalene,2-methyl-	25.06	142	6838	0.115	ppbv #	89

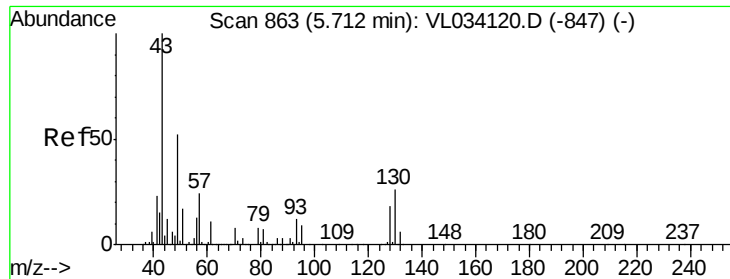
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL034150.D
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 912

Delta R.T. 0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV4

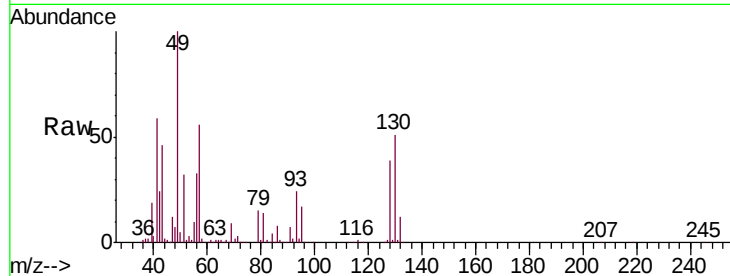
Tgt Ion: 49 Resp: 637213

Ion Ratio Lower Upper

49 100

128 38.8 18.4 55.0

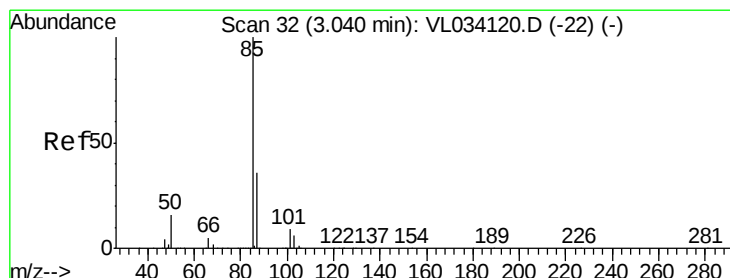
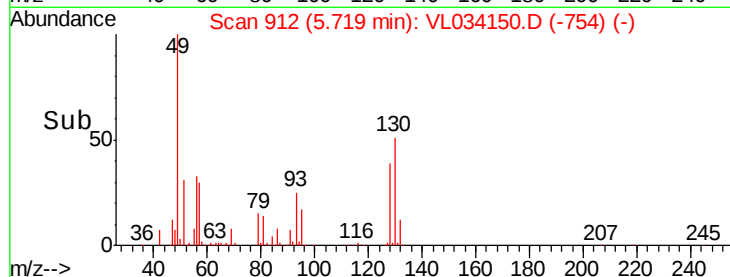
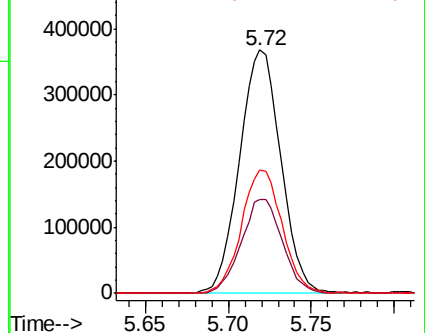
130 50.0 23.5 70.6



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: 0.208 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL034150.D

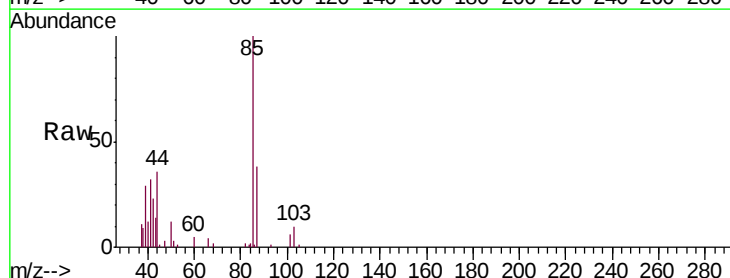
Acq: 10 Sep 2019 19:51

Tgt Ion: 85 Resp: 21874

Ion Ratio Lower Upper

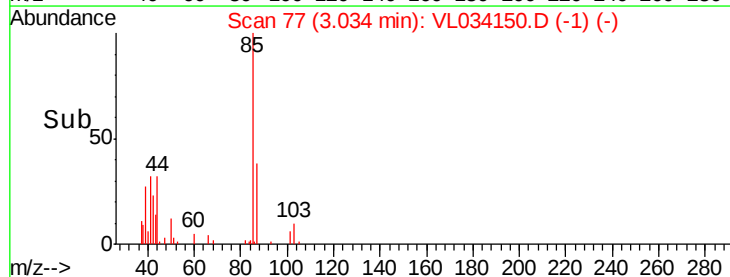
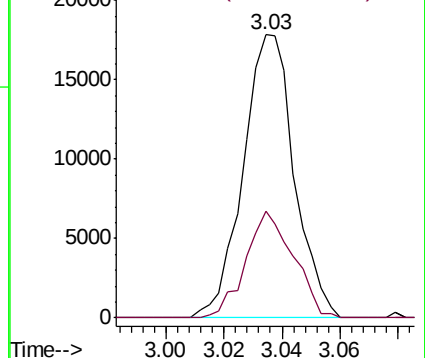
85 100

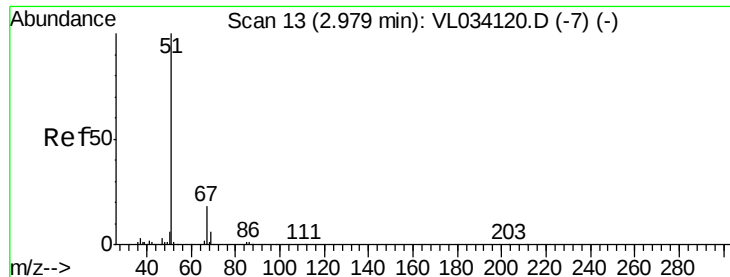
87 37.9 28.6 43.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.193 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.03 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

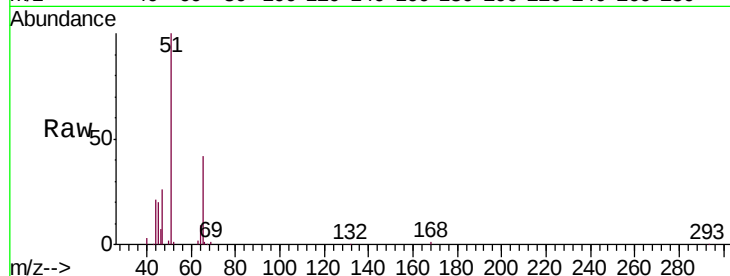
SV4

Tgt Ion: 51 Resp: 84772

Ion Ratio Lower Upper

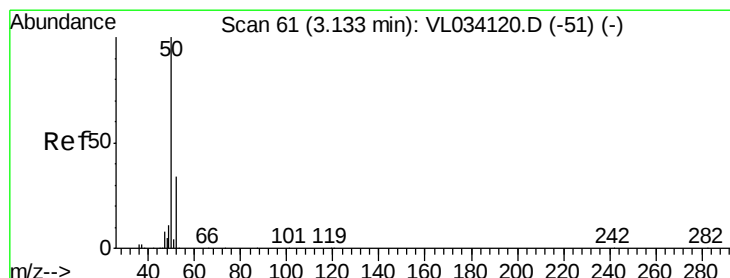
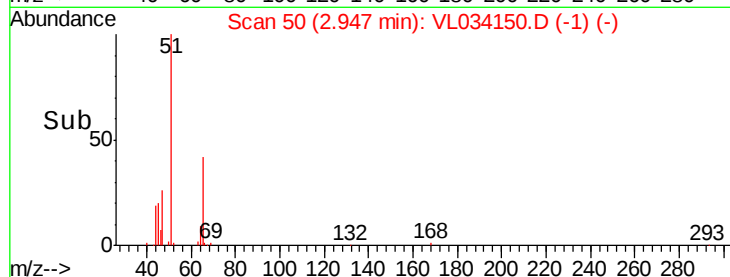
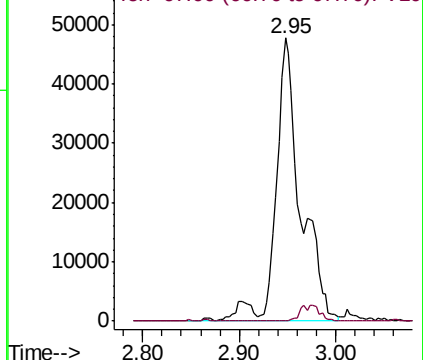
51 100

67 4.5 14.2 21.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.599 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL034150.D

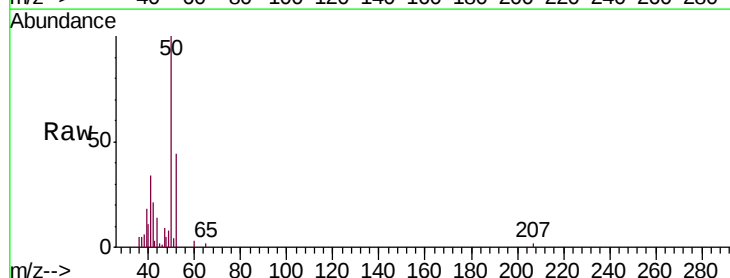
Acq: 10 Sep 2019 19:51

Tgt Ion: 50 Resp: 26610

Ion Ratio Lower Upper

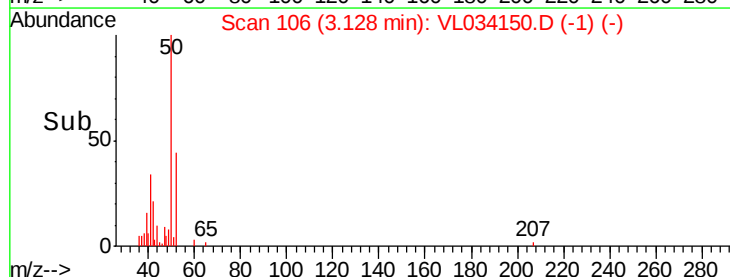
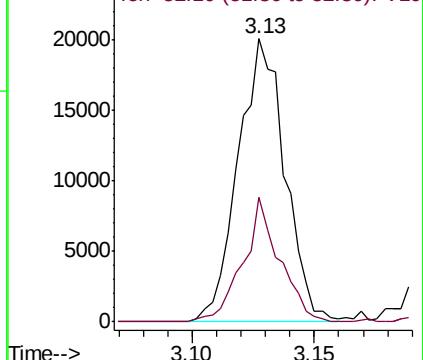
50 100

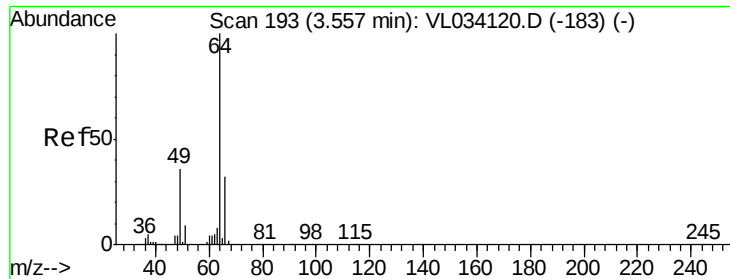
52 44.2 27.4 41.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.117 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

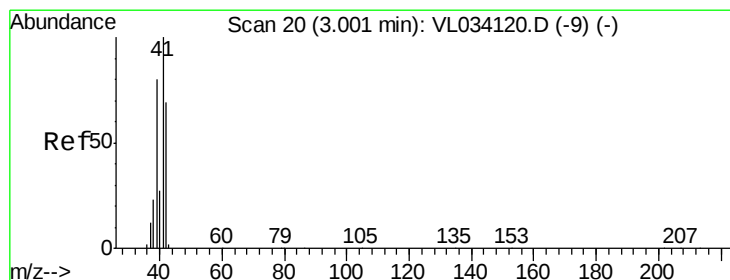
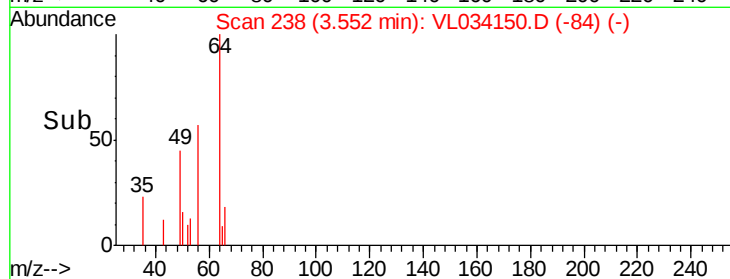
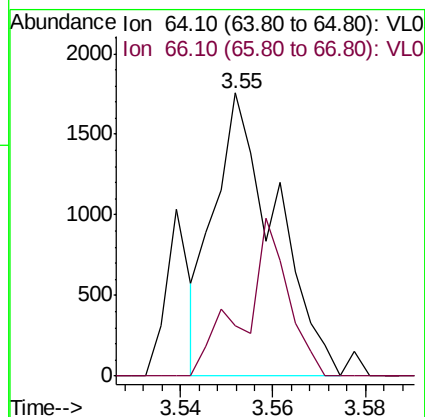
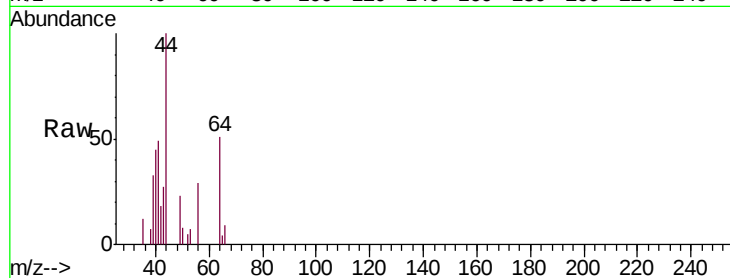
SV4

Tgt Ion: 64 Resp: 1619

Ion Ratio Lower Upper

64 100

66 16.2 25.4 38.2#



#9

Propene

Concen: 36.027 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL034150.D

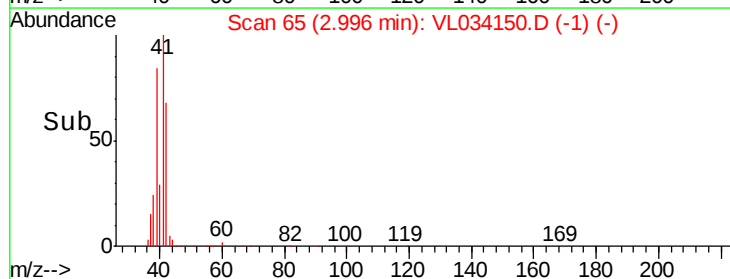
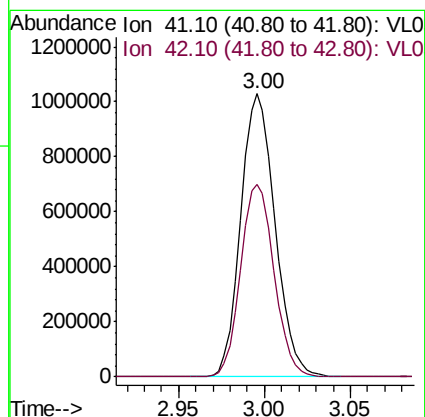
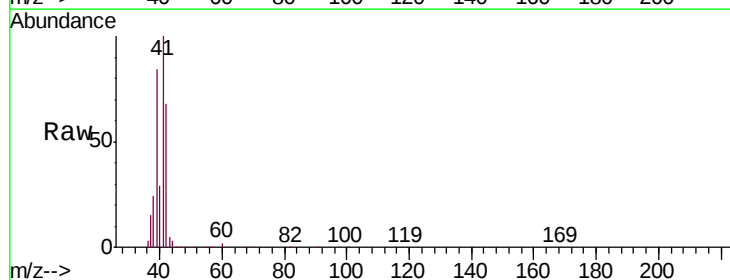
Acq: 10 Sep 2019 19:51

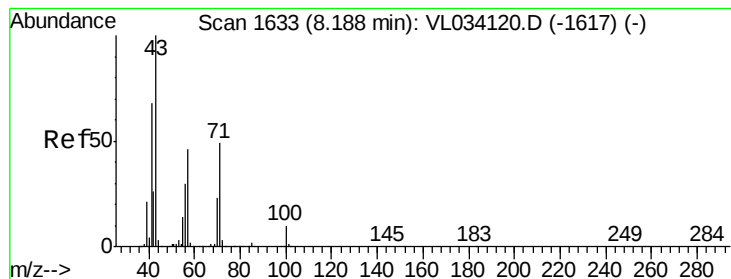
Tgt Ion: 41 Resp: 1431764

Ion Ratio Lower Upper

41 100

42 66.5 54.6 81.8





#10

Heptane

Concen: 3.096 ppbv

RT: 8.18 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

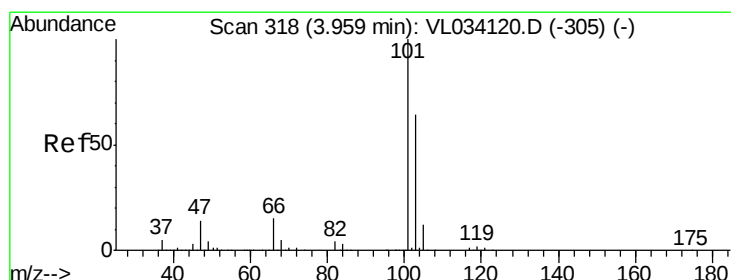
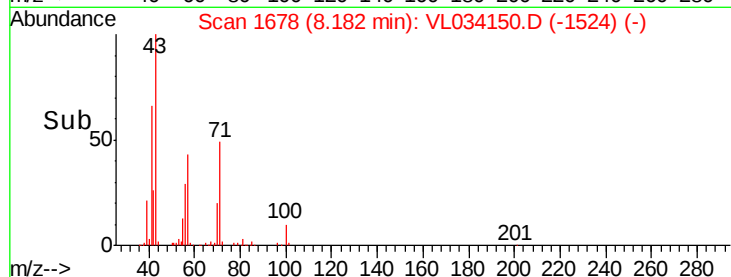
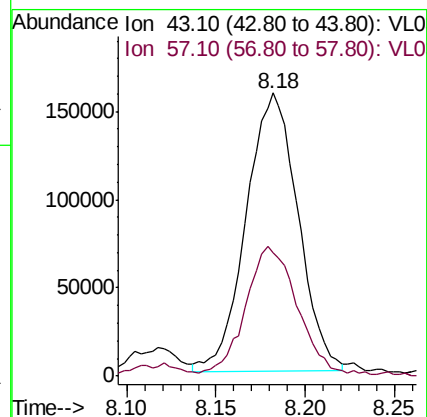
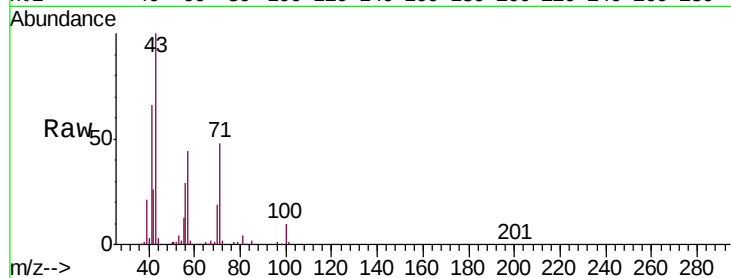
SV4

Tgt Ion: 43 Resp: 319358

Ion Ratio Lower Upper

43 100

57 47.1 38.1 57.1



#11

Trichlorofluoromethane

Concen: 0.253 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL034150.D

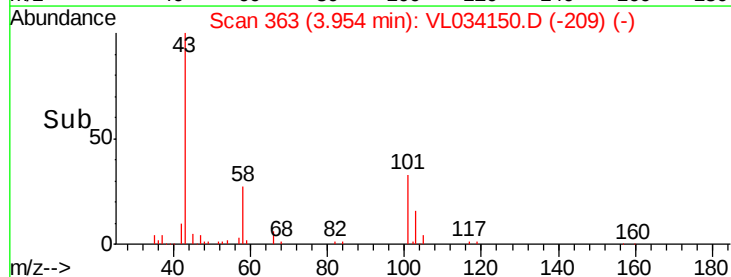
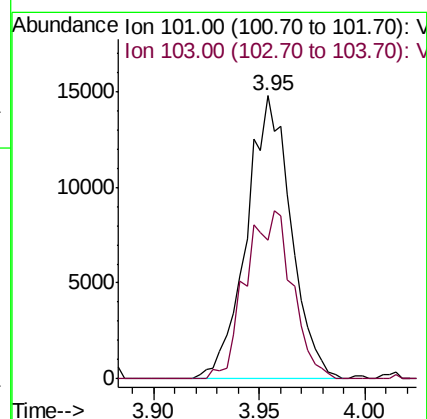
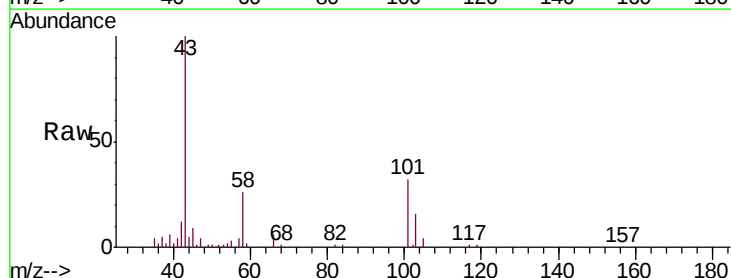
Acq: 10 Sep 2019 19:51

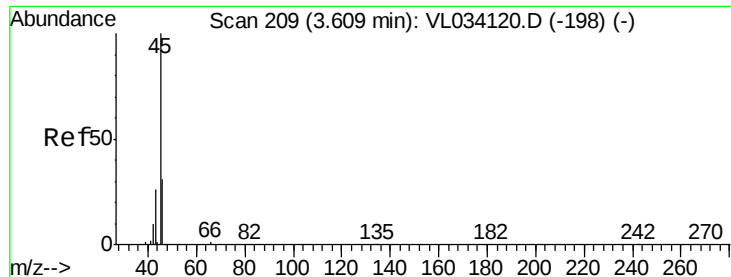
Tgt Ion: 101 Resp: 21679

Ion Ratio Lower Upper

101 100

103 49.2 51.4 77.2#





#13

Ethanol

Concen: 59.713 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

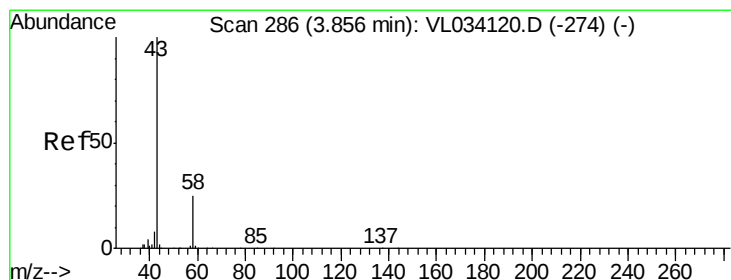
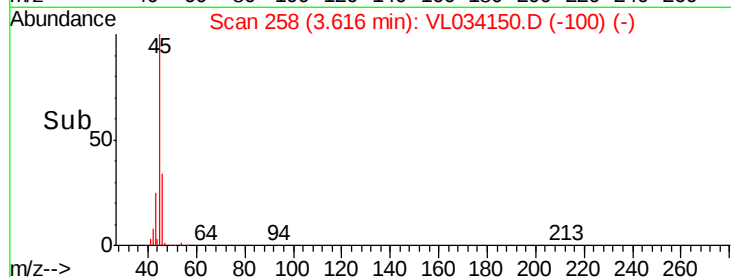
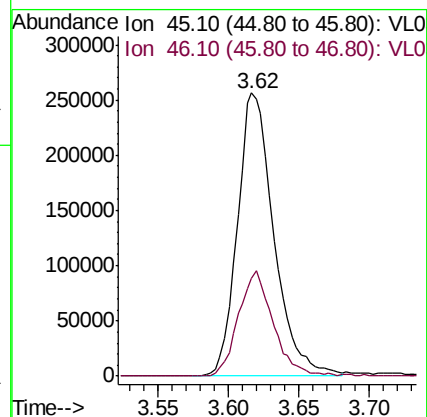
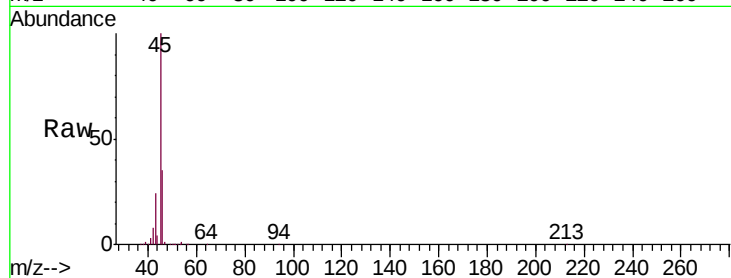
SV4

Tgt Ion: 45 Resp: 464887

Ion Ratio Lower Upper

45 100

46 35.9 15.0 60.0



#15

Acetone

Concen: 154.227 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL034150.D

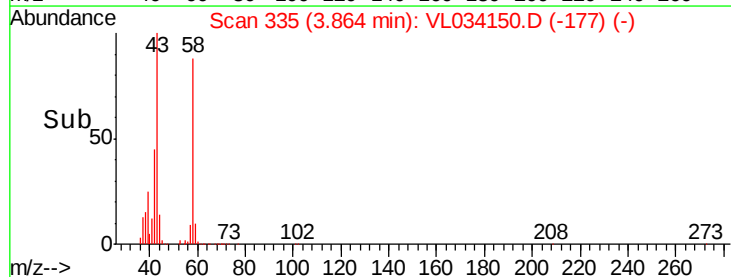
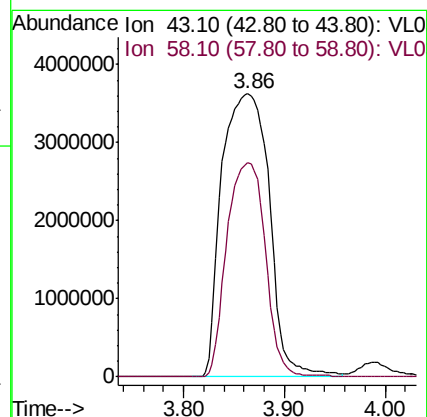
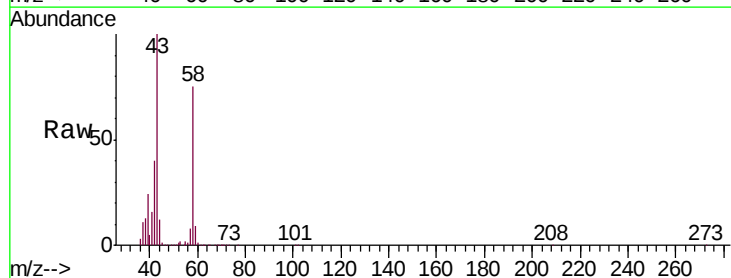
Acq: 10 Sep 2019 19:51

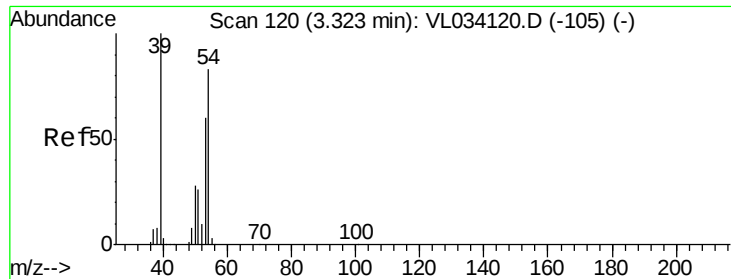
Tgt Ion: 43 Resp: 11844207

Ion Ratio Lower Upper

43 100

58 61.6 20.6 30.8#

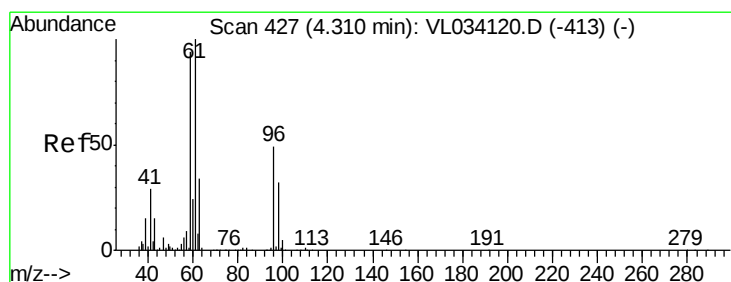
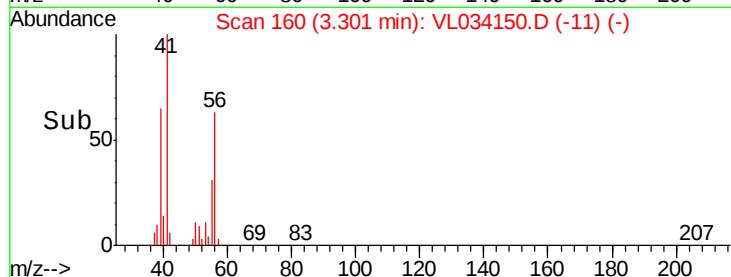
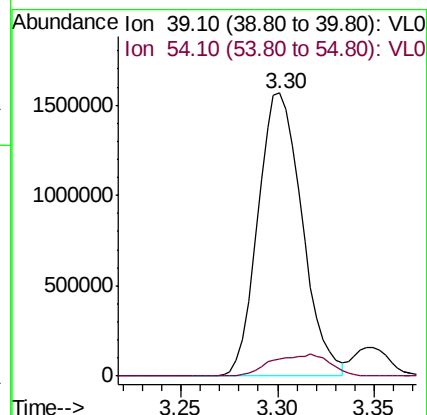
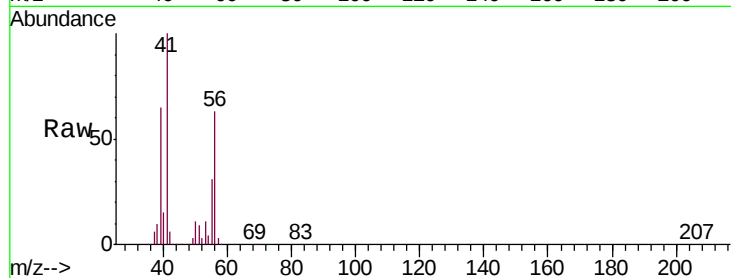




#16
 1,3-Butadiene
 Concen: 64.044 ppbv
 RT: 3.30 min Scan# 160
 Delta R.T. -0.02 min
 Lab File: VL034150.D
 Acq: 10 Sep 2019 19:51

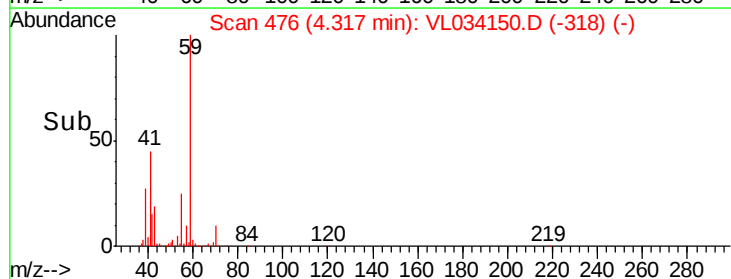
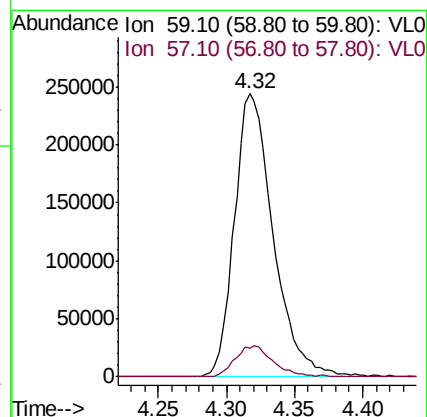
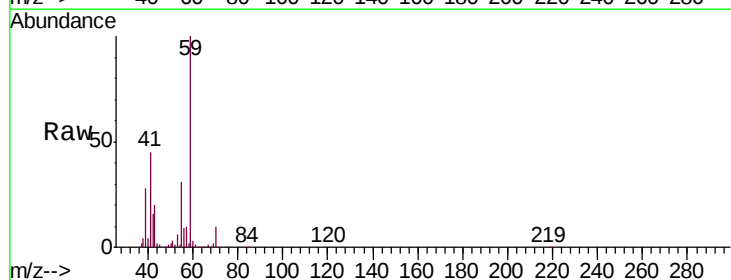
Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

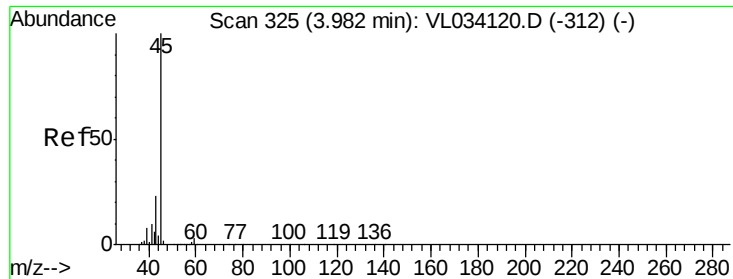
Tgt Ion: 39 Resp: 2490837
 Ion Ratio Lower Upper
 39 100
 54 10.4 63.5 95.3#



#17
 tert-Butyl alcohol
 Concen: 8.644 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: VL034150.D
 Acq: 10 Sep 2019 19:51

Tgt Ion: 59 Resp: 481888
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.6 12.8





#19

Isopropyl Alcohol

Concen: 24.189 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

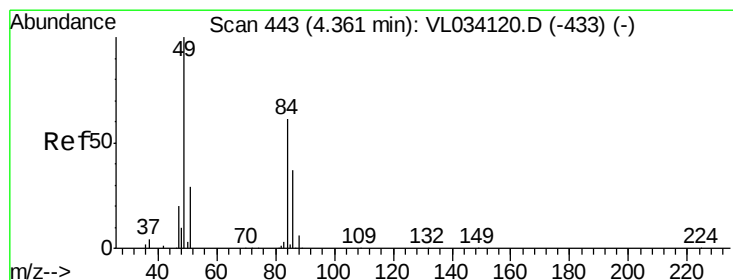
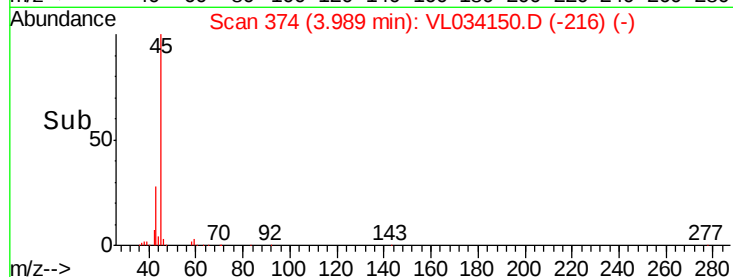
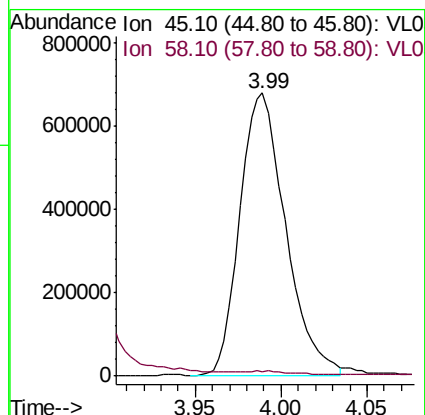
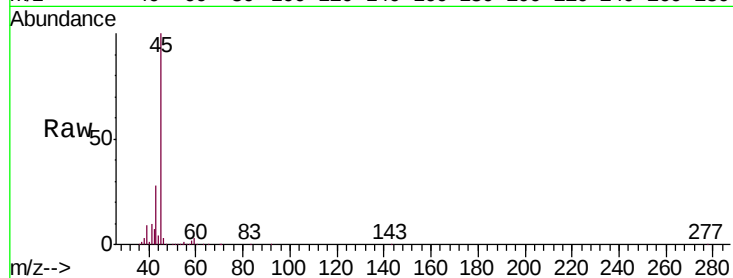
SV4

Tgt Ion: 45 Resp: 1253827

Ion Ratio Lower Upper

45 100

58 0.0 1.0 1.6#



#20

Methylene Chloride

Concen: 0.811 ppbv

RT: 4.38 min Scan# 494

Delta R.T. 0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Tgt Ion: 84 Resp: 20585

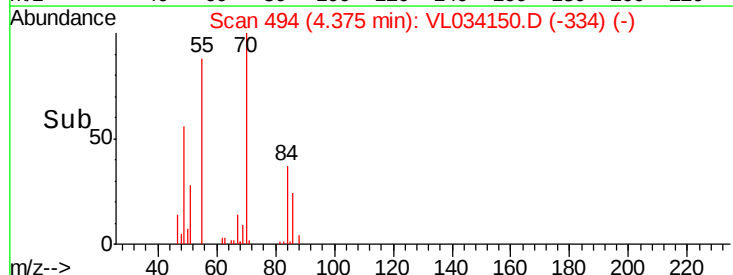
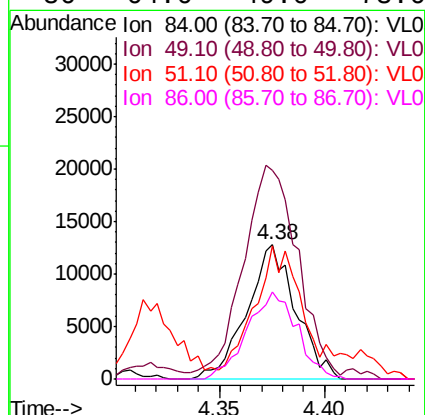
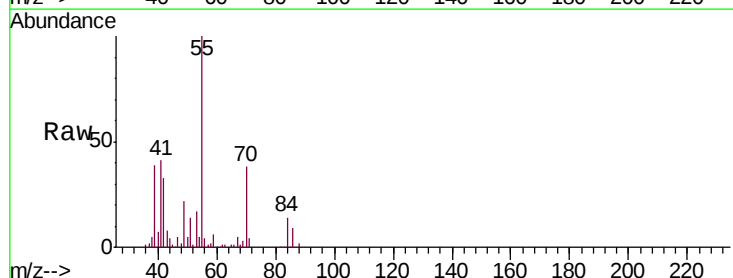
Ion Ratio Lower Upper

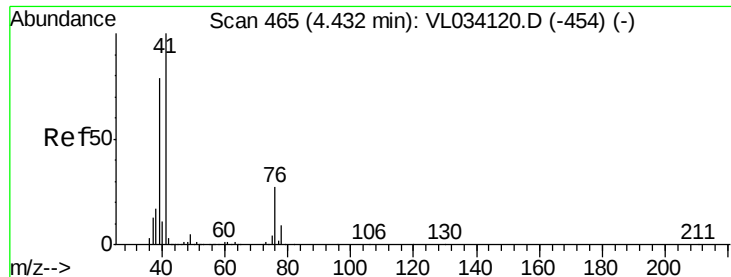
84 100

49 152.7 131.0 196.6

51 85.3 38.1 57.1#

86 64.6 49.0 73.6





#21

Allyl Chloride

Concen: 0.211 ppbv

RT: 4.42 min Scan# 507

Delta R.T. -0.02 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV4

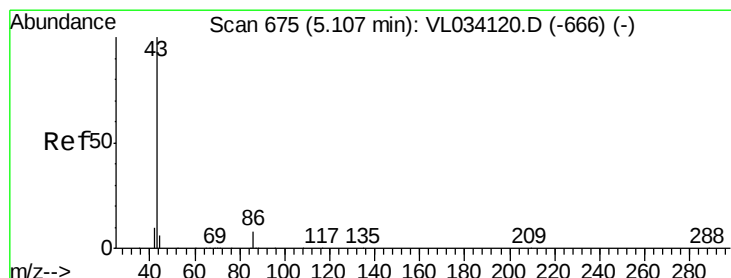
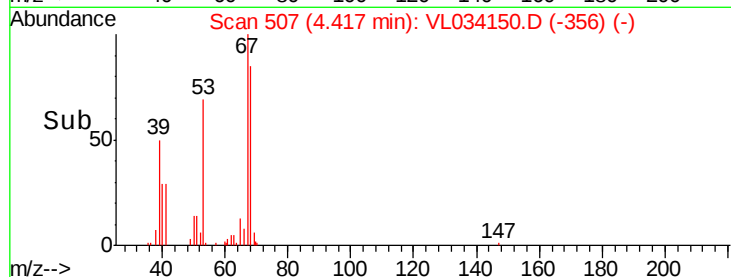
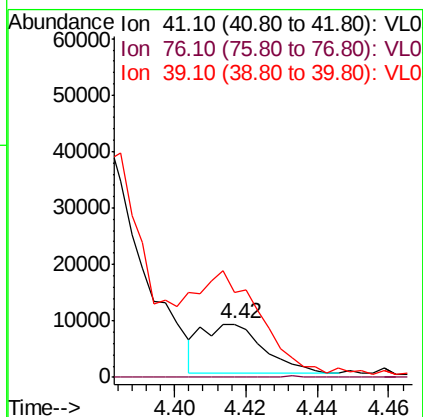
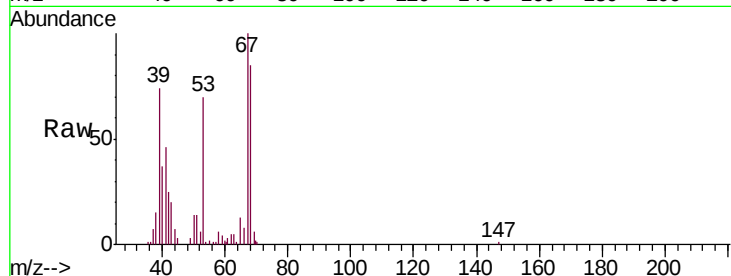
Tgt Ion: 41 Resp: 10707

Ion Ratio Lower Upper

41 100

76 0.0 21.6 32.4#

39 0.0 65.0 97.4#



#23

Vinyl Acetate

Concen: 4.768 ppbv

RT: 5.13 min Scan# 730

Delta R.T. 0.03 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Tgt Ion: 43 Resp: 621195

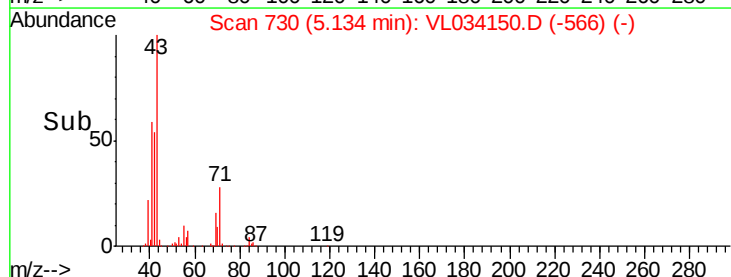
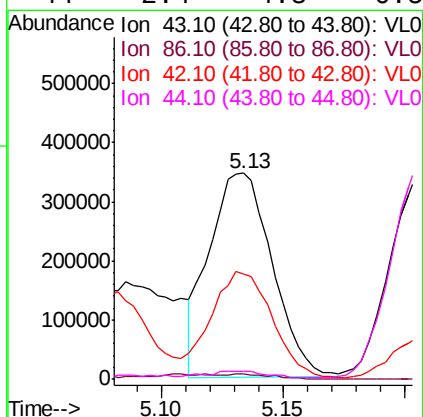
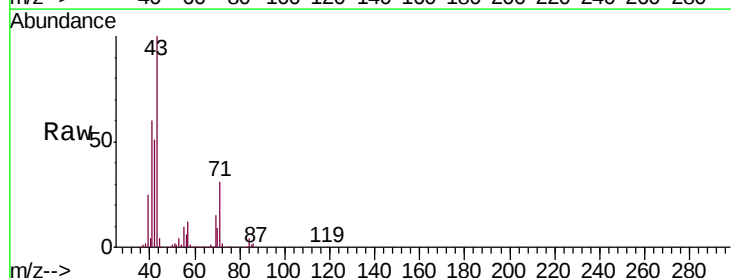
Ion Ratio Lower Upper

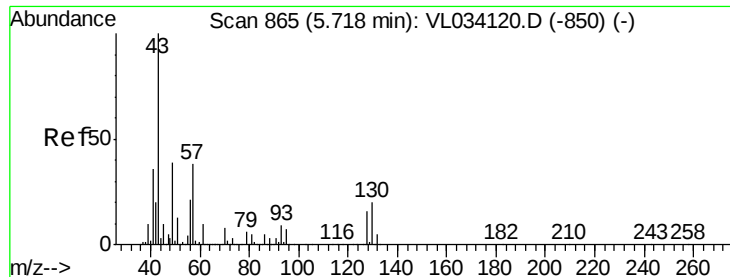
43 100

86 2.2 5.5 8.3#

42 51.7 8.2 12.4#

44 2.4 4.3 6.5#





#25

Ethyl Acetate

Concen: 1.845 ppbv

RT: 5.72 min Scan# 913

Delta R.T. 0.00 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV4

Tgt Ion: 43 Resp: 311043

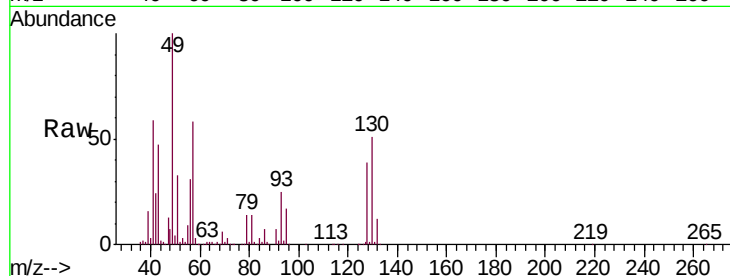
Ion Ratio Lower Upper

43 100

45 3.2 8.2 12.4#

61 1.6 7.4 11.2#

70 4.4 5.6 8.4#

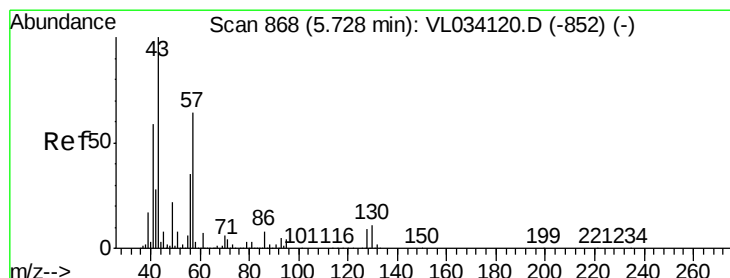
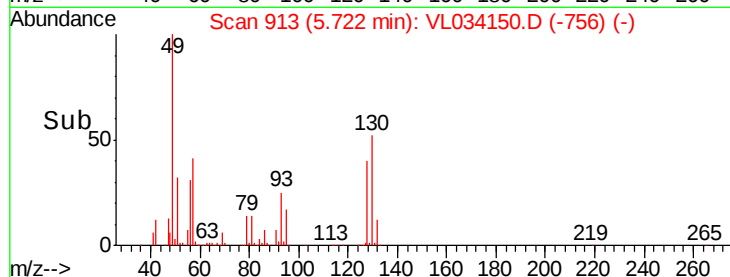
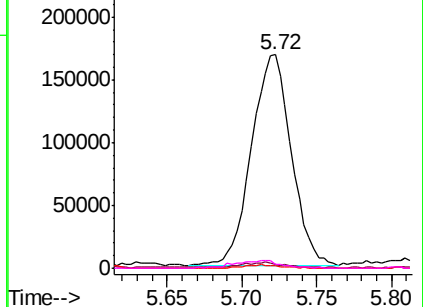


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.999 ppbv

RT: 5.72 min Scan# 913

Delta R.T. -0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Tgt Ion: 57 Resp: 374708

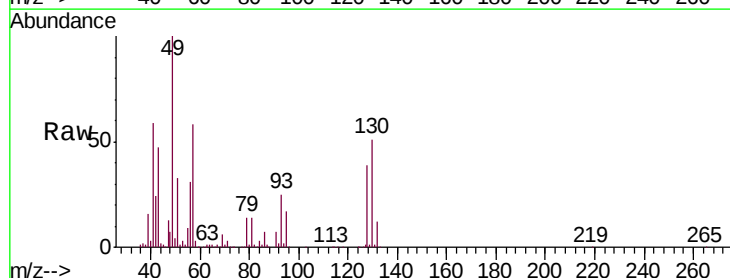
Ion Ratio Lower Upper

57 100

41 138.7 76.6 115.0#

43 82.4 189.2 283.8#

56 67.3 43.0 64.4#

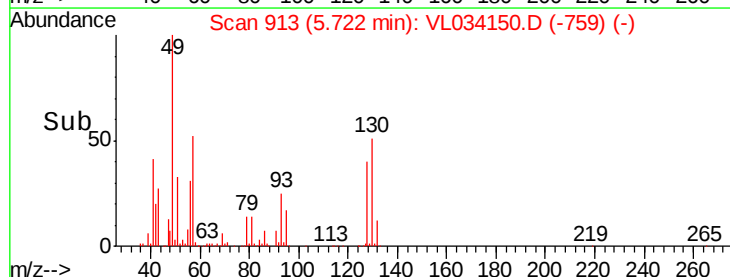
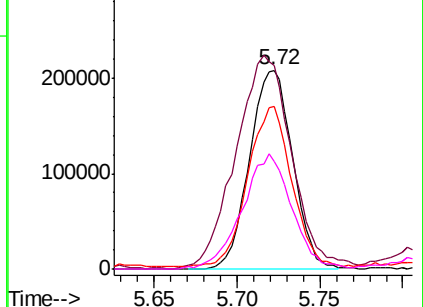


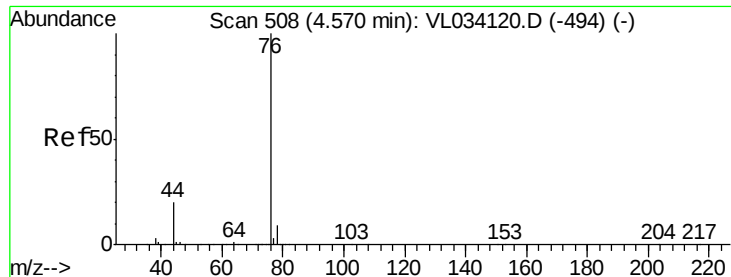
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.750 ppbv

RT: 4.56 min Scan# 553

Delta R.T. -0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV4

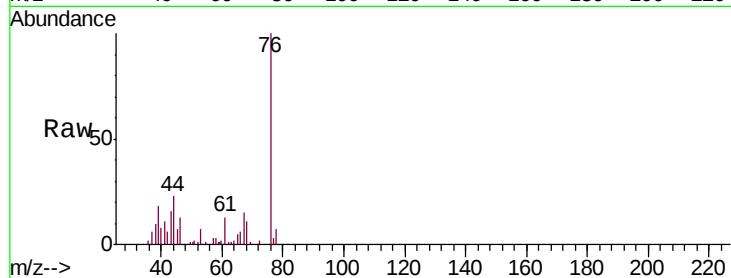
Tgt Ion: 76 Resp: 50706

Ion Ratio Lower Upper

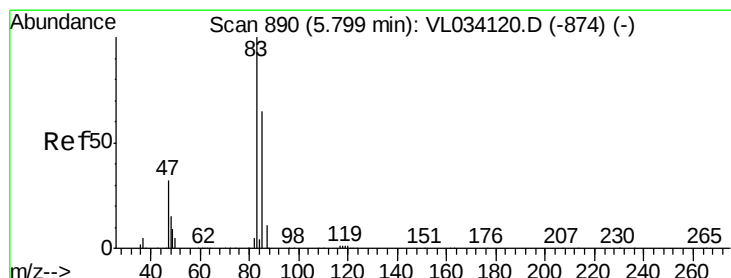
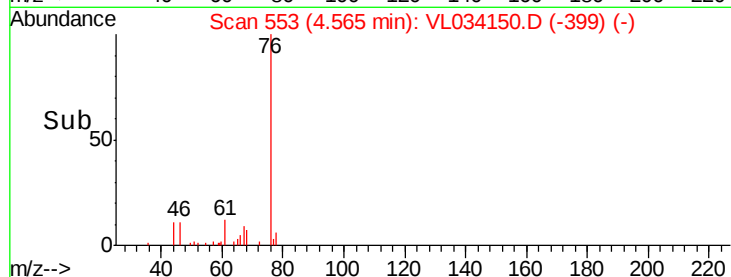
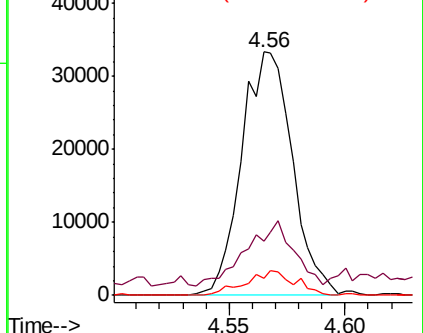
76 100

44 30.0 17.6 26.4#

78 9.9 7.3 10.9



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



#29

Chloroform

Concen: 0.145 ppbv

RT: 5.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: VL034150.D

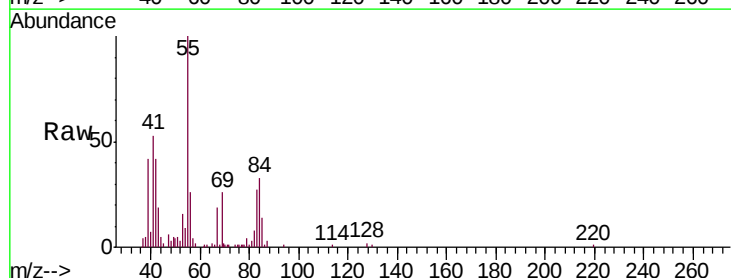
Acq: 10 Sep 2019 19:51

Tgt Ion: 83 Resp: 14660

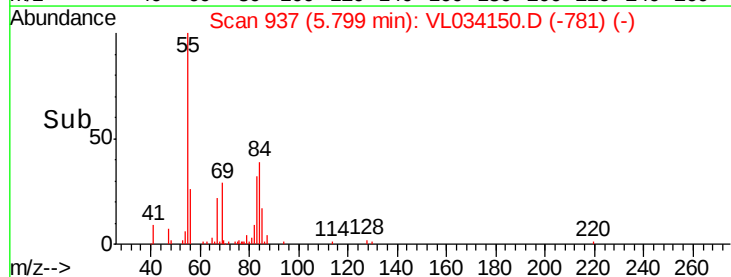
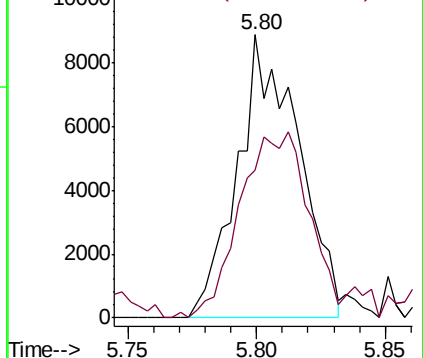
Ion Ratio Lower Upper

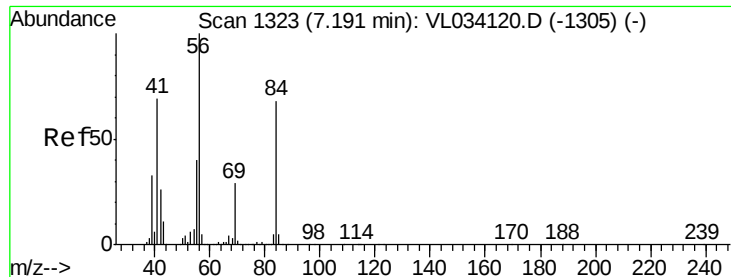
83 100

85 52.4 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

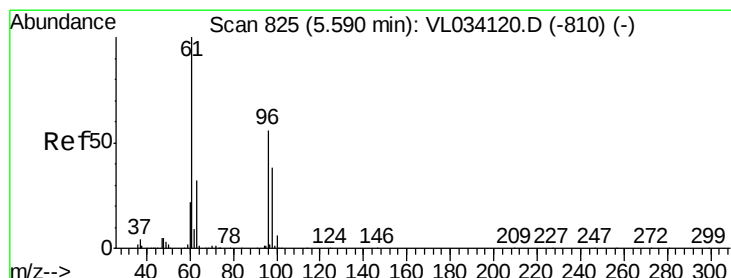
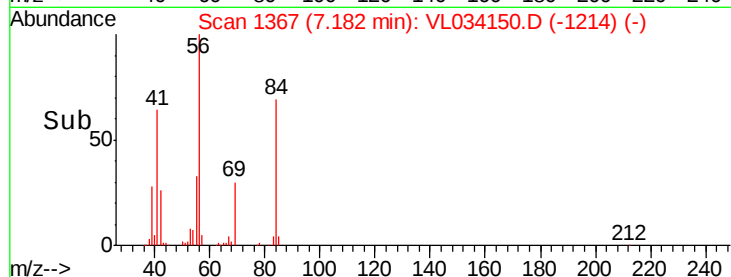
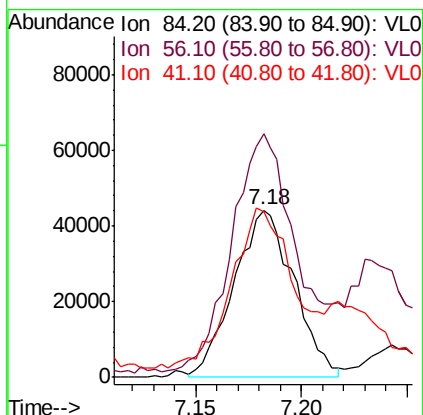
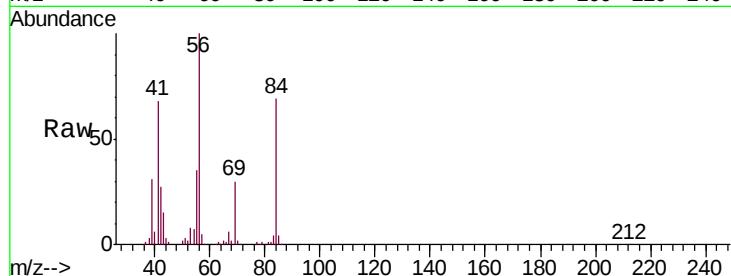




#30
Cyclohexane
Concen: 1.597 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

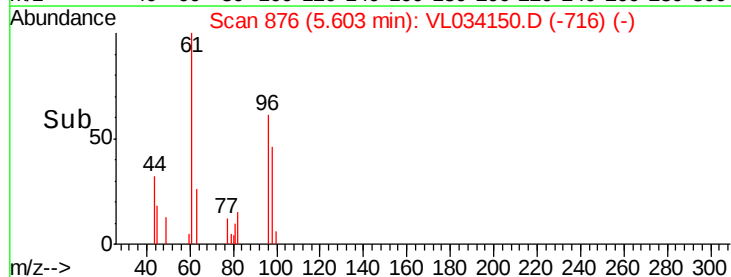
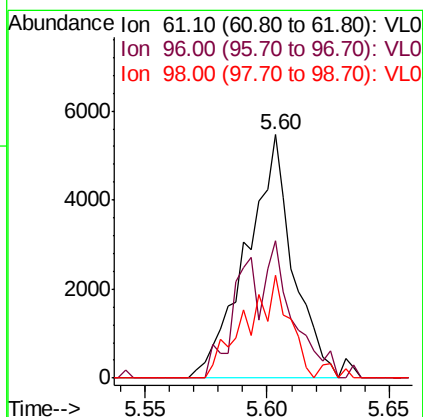
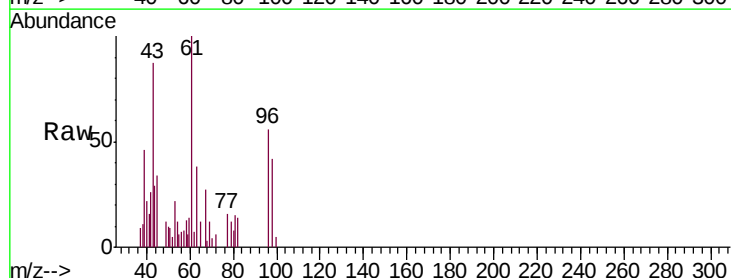
Instrument :
MSVOA_L
ClientSampleId :
SV4

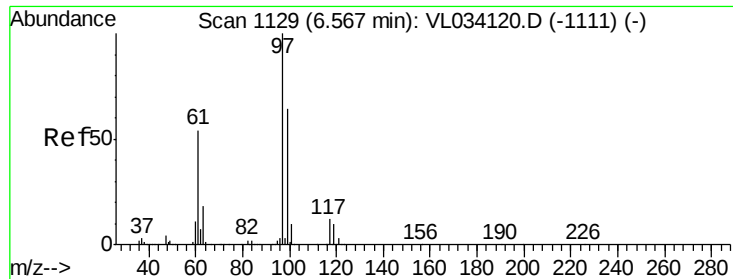
Tgt Ion: 84 Resp: 86545
Ion Ratio Lower Upper
84 100
56 163.1 122.6 183.8
41 148.8 79.1 118.7#



#31
cis-1,2-Dichloroethene
Concen: 0.100 ppbv
RT: 5.60 min Scan# 876
Delta R.T. 0.01 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

Tgt Ion: 61 Resp: 7200
Ion Ratio Lower Upper
61 100
96 56.4 44.4 66.6
98 42.1 30.0 45.0





#32

1,1,1-Trichloroethane

Concen: 0.550 ppbv

RT: 6.57 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV4

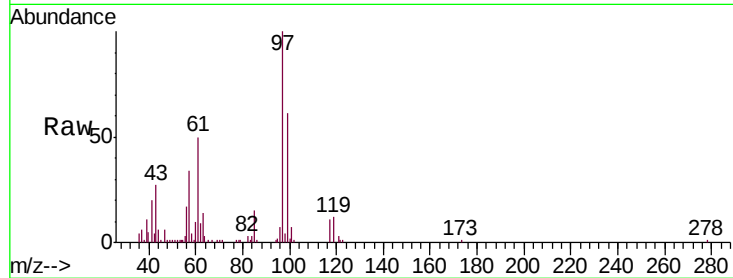
Tgt Ion: 97 Resp: 52538

Ion Ratio Lower Upper

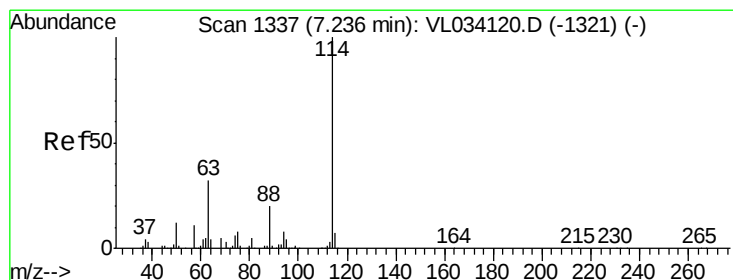
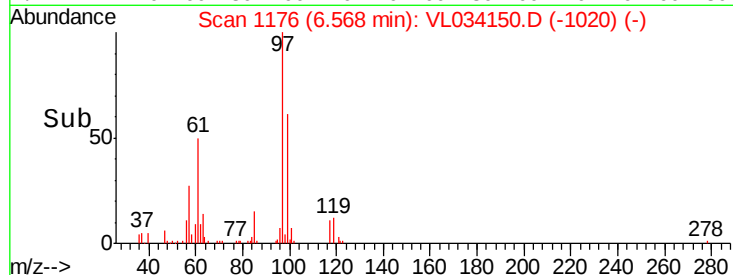
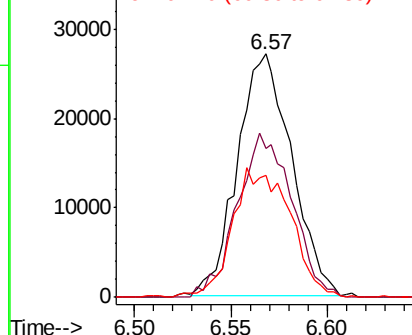
97 100

99 68.5 51.7 77.5

61 57.0 44.0 66.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.24 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

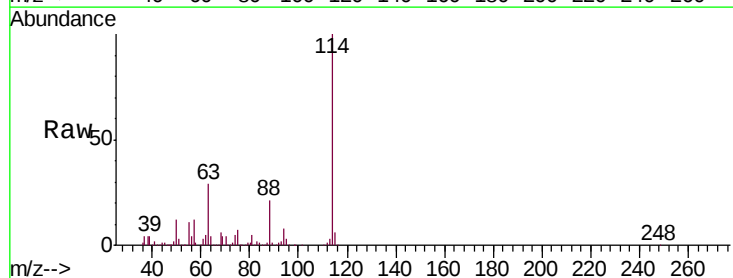
Tgt Ion: 114 Resp: 1289990

Ion Ratio Lower Upper

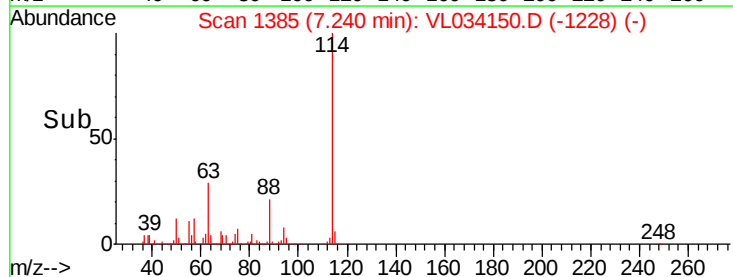
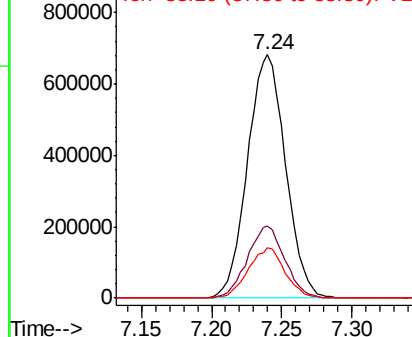
114 100

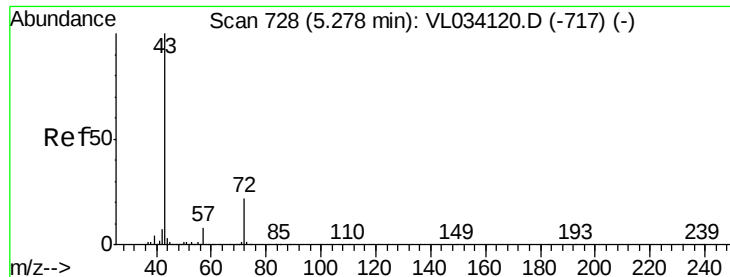
63 29.4 25.5 38.3

88 20.2 16.8 25.2



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

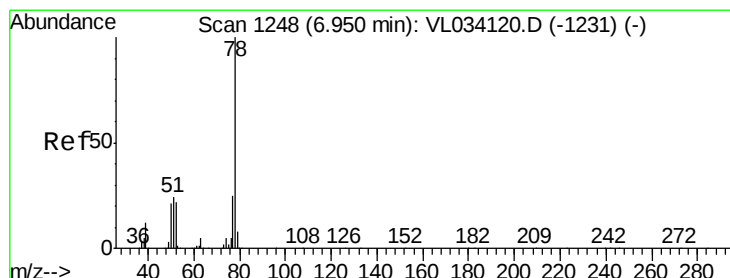
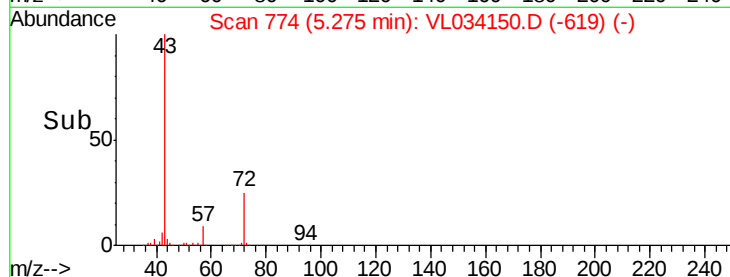
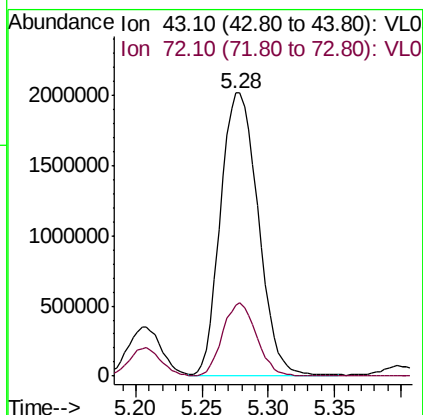
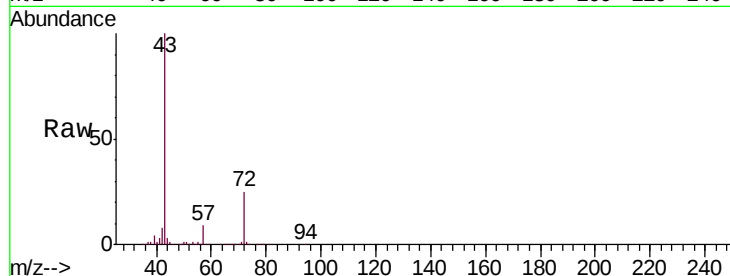




#34
2-Butanone
Concen: 32.021 ppbv
RT: 5.28 min Scan# 774
Delta R.T. -0.00 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

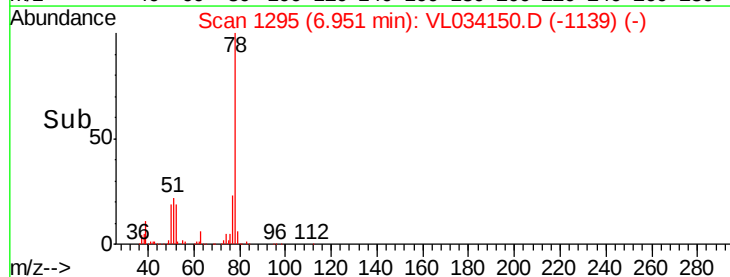
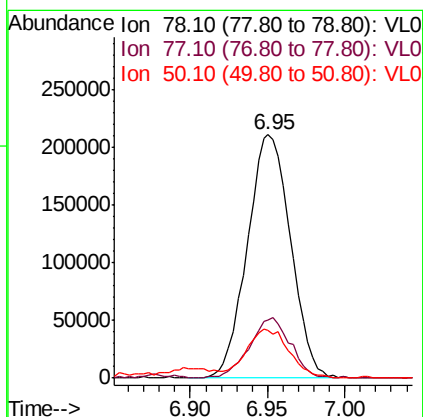
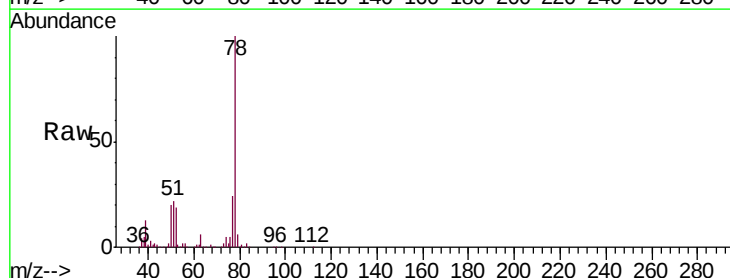
Instrument :
MSVOA_L
ClientSampleId :
SV4

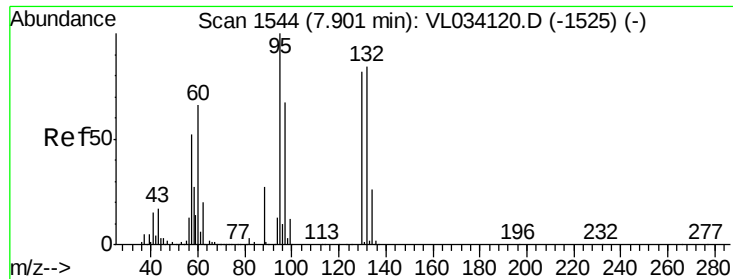
Tgt Ion: 43 Resp: 3971085
Ion Ratio Lower Upper
43 100
72 23.5 16.5 24.7



#36
Benzene
Concen: 2.783 ppbv
RT: 6.95 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

Tgt Ion: 78 Resp: 410410
Ion Ratio Lower Upper
78 100
77 23.5 20.3 30.5
50 18.9 16.9 25.3

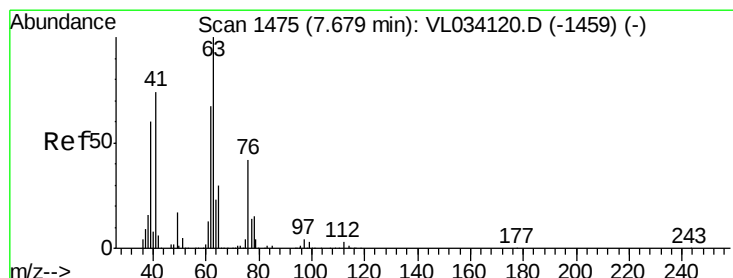
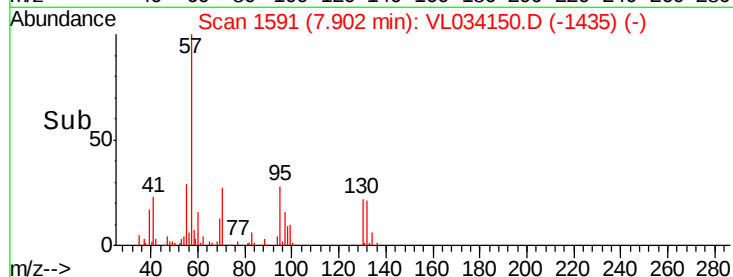
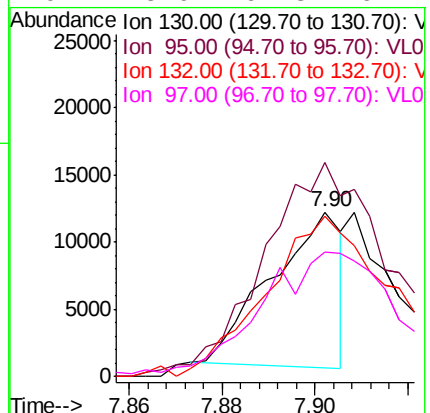
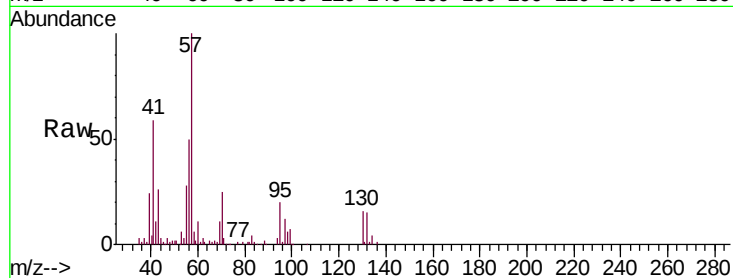




#38
 Trichloroethene
 Concen: 0.221 ppbv
 RT: 7.90 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VL034150.D
 Acq: 10 Sep 2019 19:51

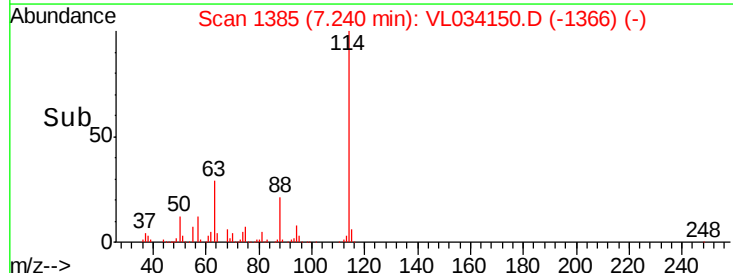
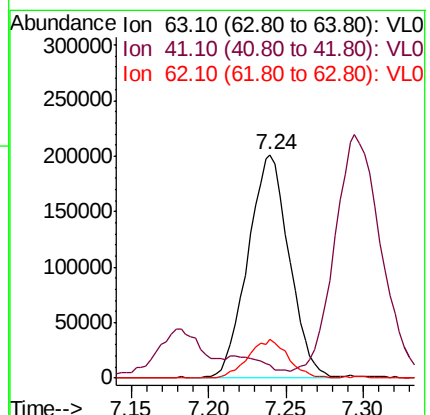
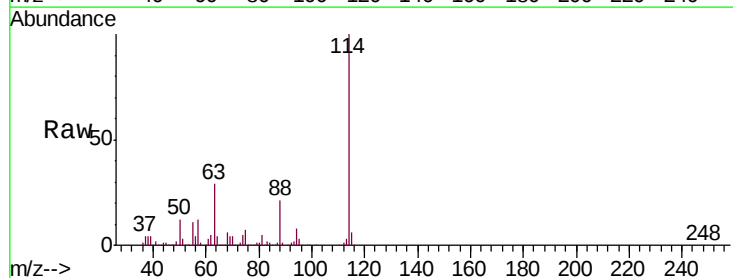
Instrument :
 MSVOA_L
 ClientSampled :
 SV4

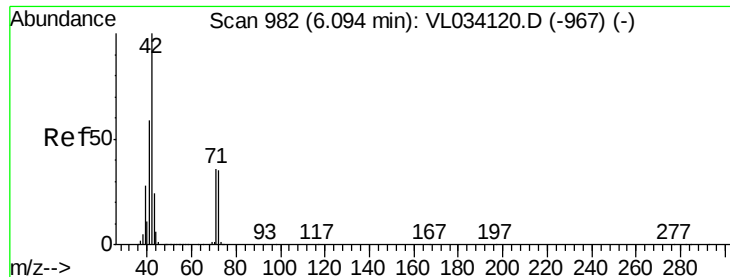
Tgt Ion:	130	Resp:	12149
Ion	Ratio	Lower	Upper
130	100		
95	135.2	97.2	145.8
132	102.2	81.4	122.2
97	75.9	64.8	97.2



#39
 1,2-Dichloropropane
 Concen: 5.906 ppbv
 RT: 7.24 min Scan# 1385
 Delta R.T. -0.44 min
 Lab File: VL034150.D
 Acq: 10 Sep 2019 19:51

Tgt Ion:	63	Resp:	372699
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.3	88.9#
62	17.3	53.8	80.6#





#41

Tetrahydrofuran

Concen: 0.534 ppbv

RT: 6.09 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV4

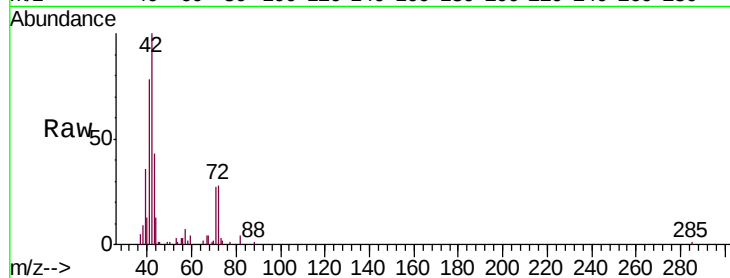
Tgt Ion: 42 Resp: 39727

Ion Ratio Lower Upper

42 100

72 46.7 27.7 41.5#

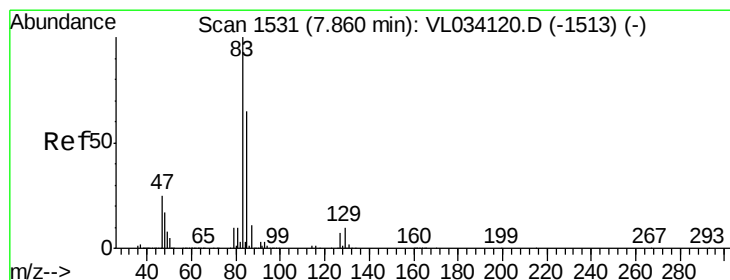
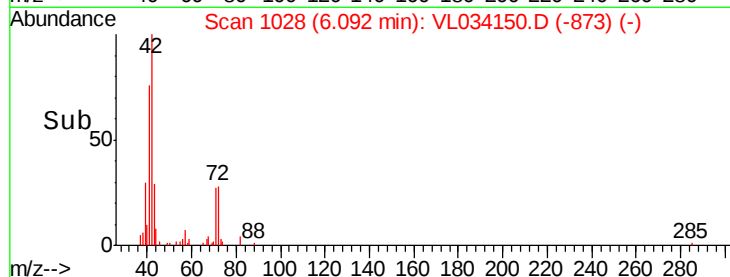
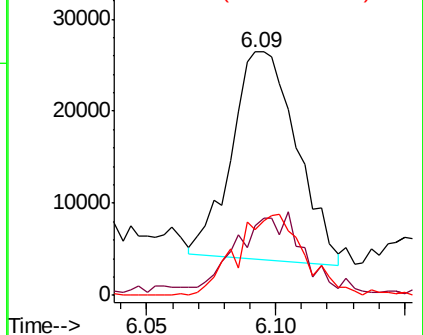
71 41.2 26.7 40.1#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.090 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

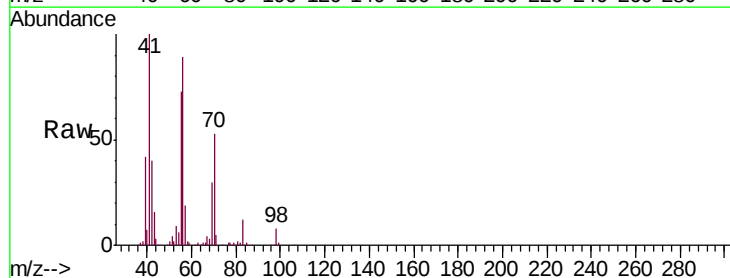
Tgt Ion: 83 Resp: 10651

Ion Ratio Lower Upper

83 100

85 5.6 51.6 77.4#

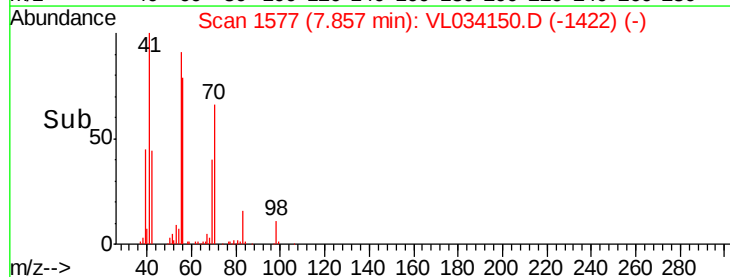
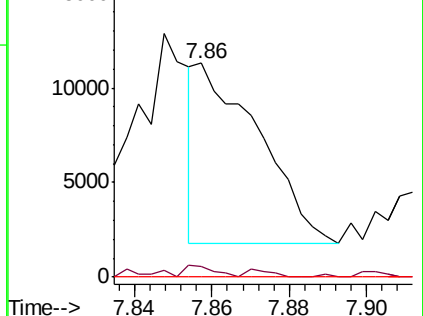
127 0.0 5.4 8.0#

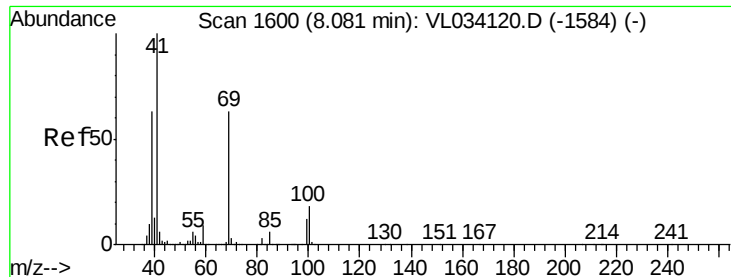


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

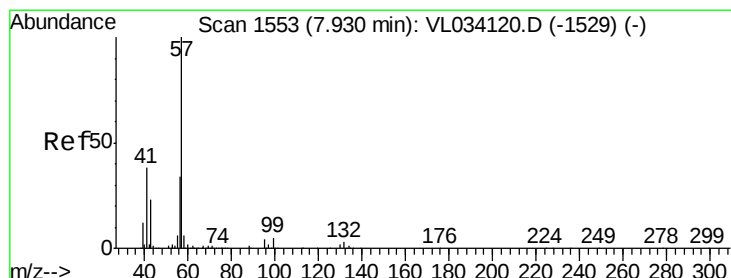
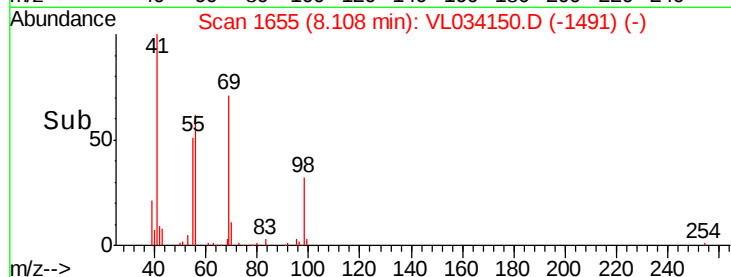
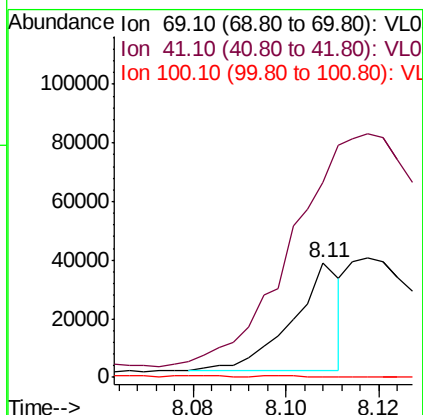
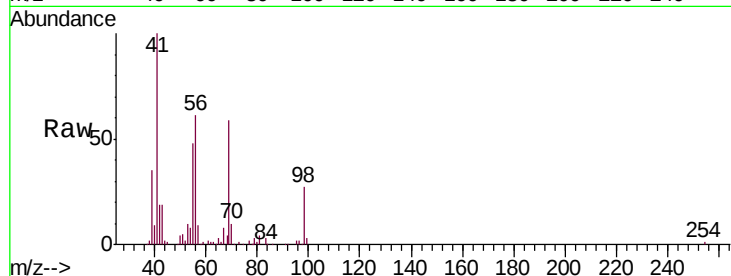




#43
Methyl Methacrylate
Concen: 0.440 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. 0.03 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

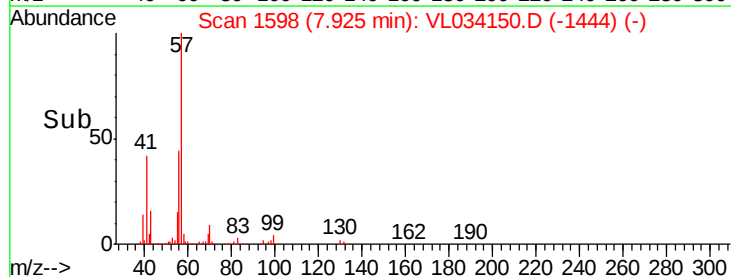
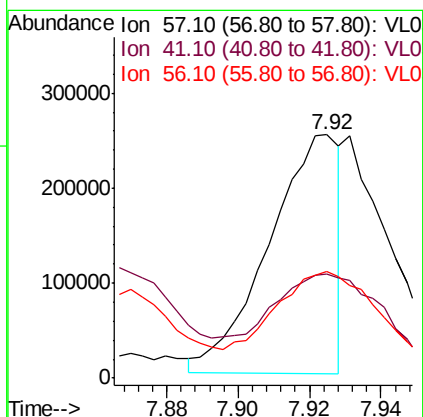
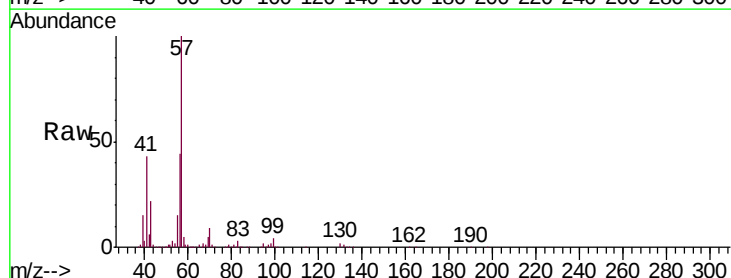
Instrument :
MSVOA_L
ClientSampleId :
SV4

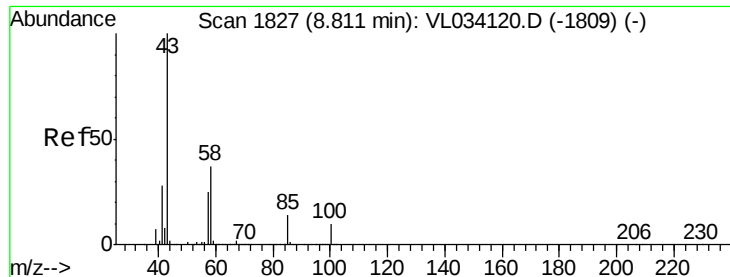
Tgt Ion: 69 Resp: 26749
Ion Ratio Lower Upper
69 100
41 0.0 131.0 196.6#
100 5.7 22.6 33.8#



#44
2,2,4-Trimethylpentane
Concen: 1.275 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

Tgt Ion: 57 Resp: 346595
Ion Ratio Lower Upper
57 100
41 70.8 28.4 42.6#
56 76.1 26.3 39.5#

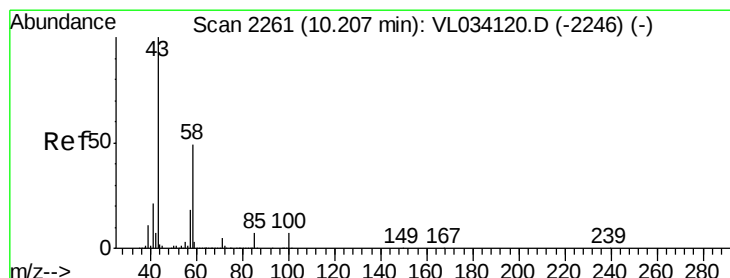
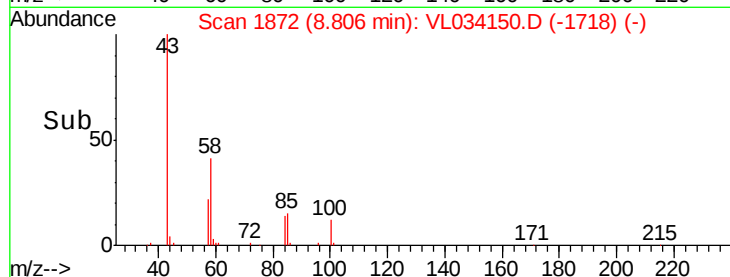
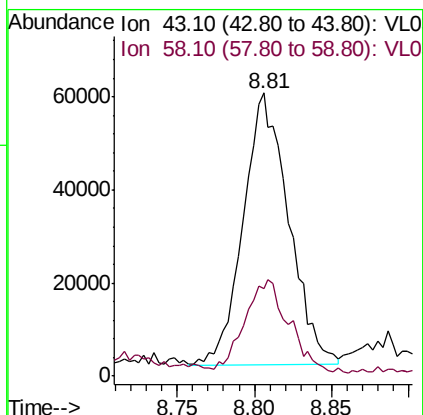
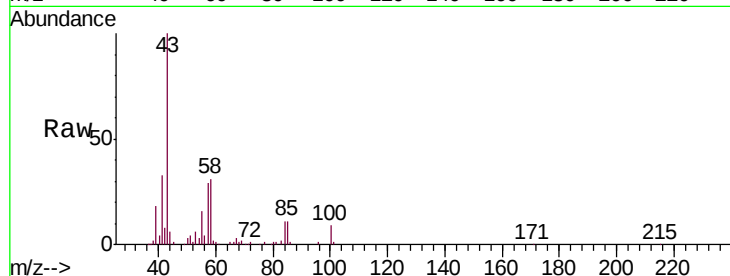




#50
 4-Methyl-2-Pentanone
 Concen: 0.630 ppbv
 RT: 8.81 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: VL034150.D
 Acq: 10 Sep 2019 19:51

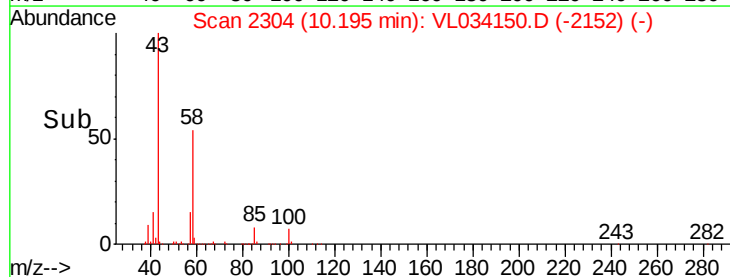
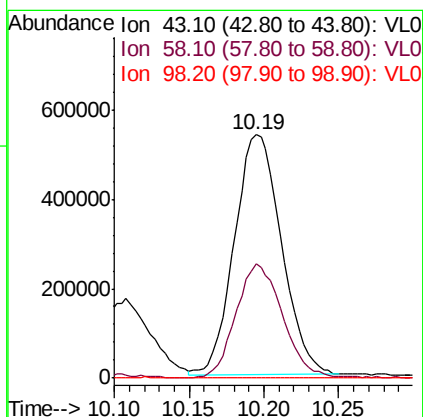
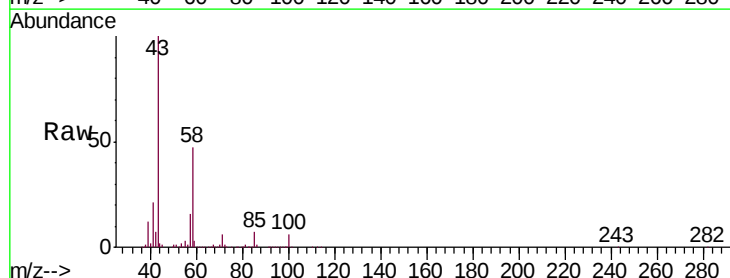
Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

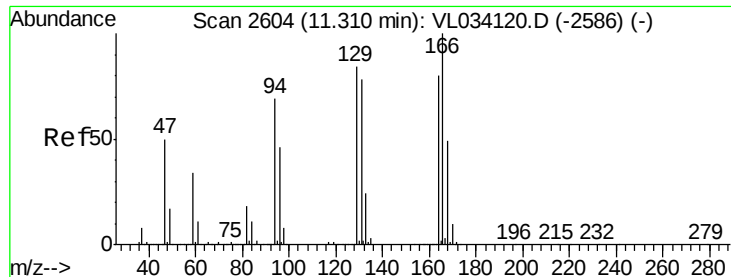
Tgt Ion: 43 Resp: 119238
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.5 42.7



#51
 2-Hexanone
 Concen: 7.158 ppbv
 RT: 10.19 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: VL034150.D
 Acq: 10 Sep 2019 19:51

Tgt Ion: 43 Resp: 1170271
 Ion Ratio Lower Upper
 43 100
 58 47.3 38.2 57.2
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 8.583 ppbv

RT: 11.30 min Scan# 2649

Delta R.T. -0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV4

Tgt Ion: 164 Resp: 446254

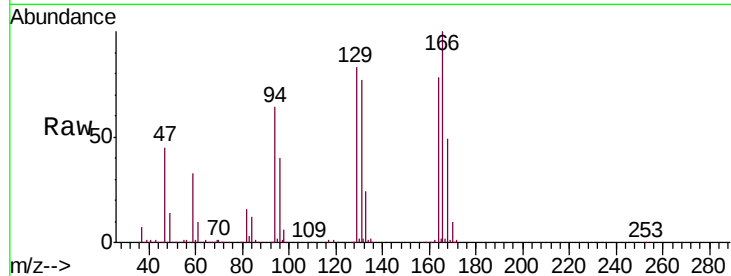
Ion Ratio Lower Upper

164 100

166 128.1 99.5 149.3

129 106.2 83.6 125.4

131 98.1 77.9 116.9

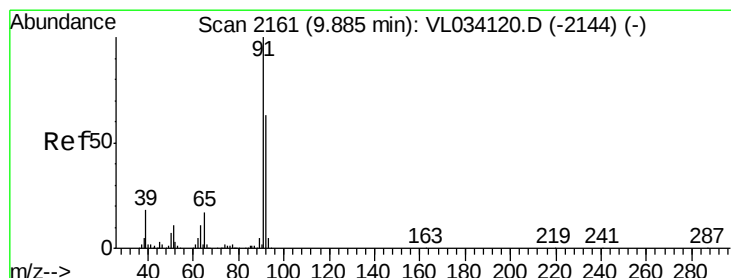
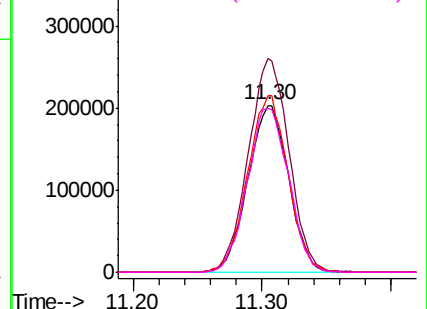
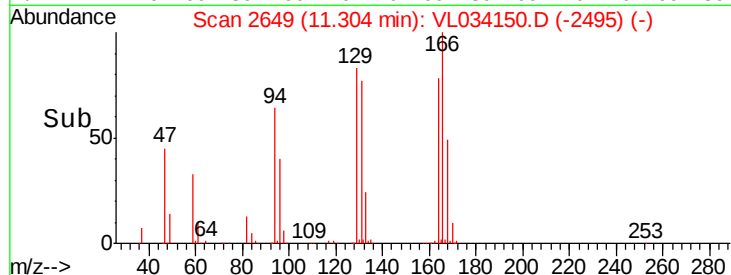


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 9.214 ppbv

RT: 9.88 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VL034150.D

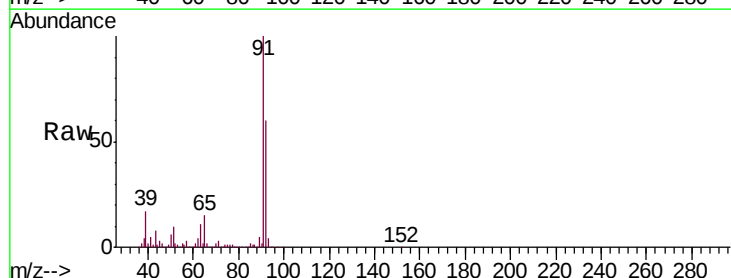
Acq: 10 Sep 2019 19:51

Tgt Ion: 91 Resp: 1502566

Ion Ratio Lower Upper

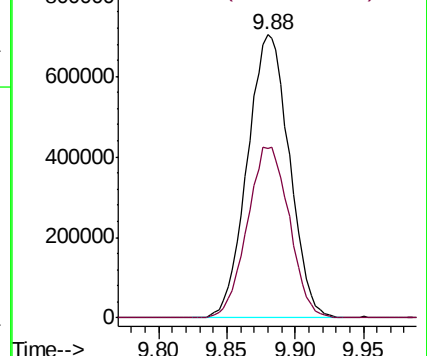
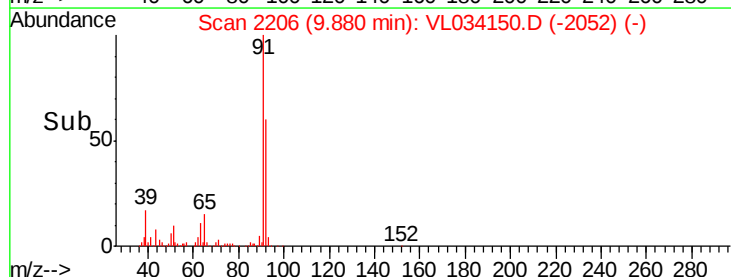
91 100

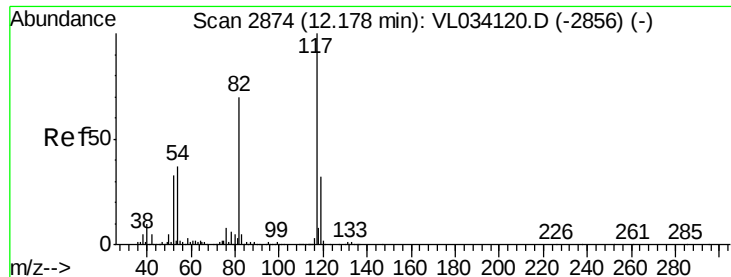
92 60.5 49.3 73.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

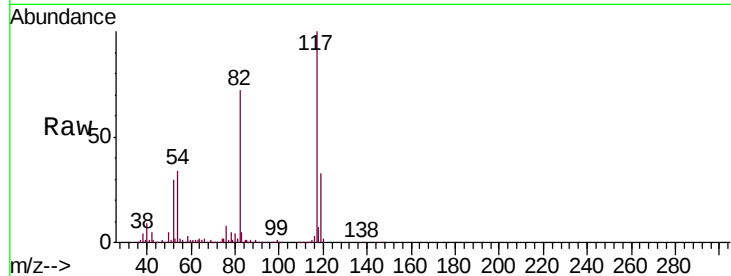




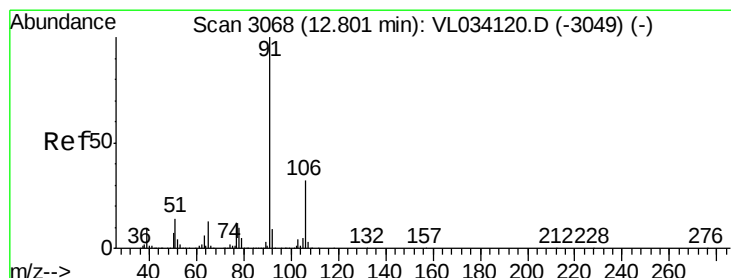
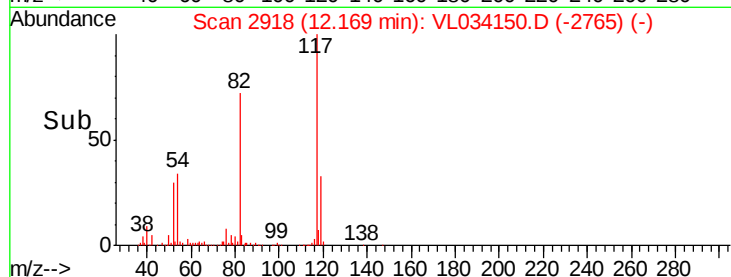
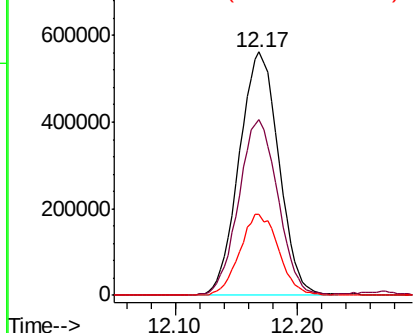
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

Instrument :
MSVOA_L
ClientSampled :
SV4

Tgt Ion: 117 Resp: 1261470
Ion Ratio Lower Upper
117 100
82 71.5 55.8 83.6
119 32.9 43.1 64.7#

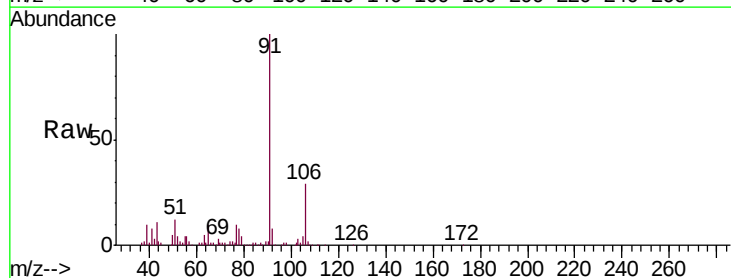


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

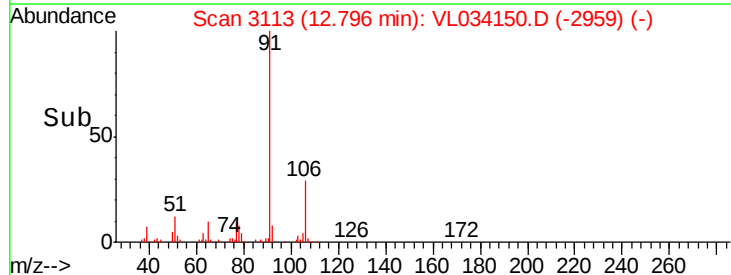
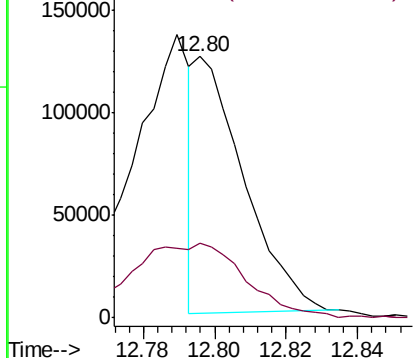


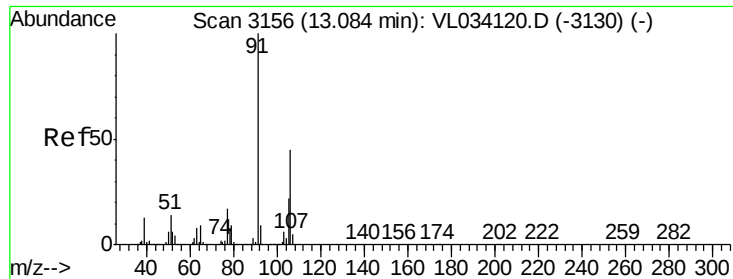
#58
Ethyl Benzene
Concen: 0.569 ppbv
RT: 12.80 min Scan# 3113
Delta R.T. -0.01 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

Tgt Ion: 91 Resp: 117661
Ion Ratio Lower Upper
91 100
106 29.1 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

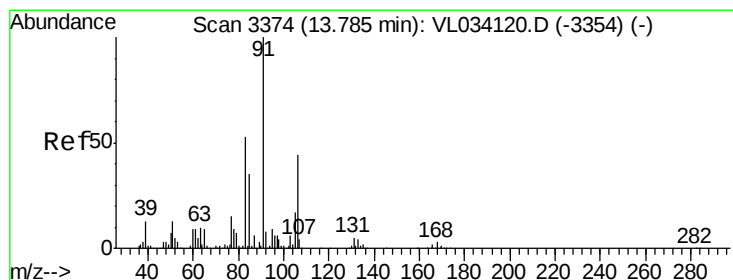
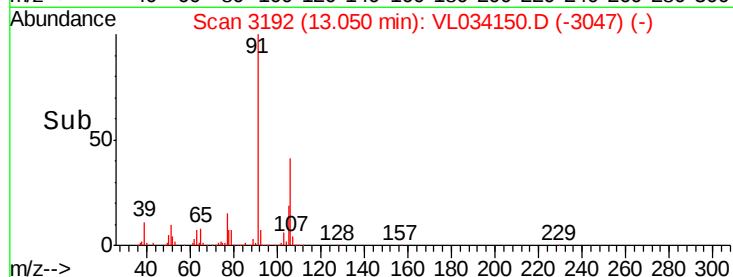
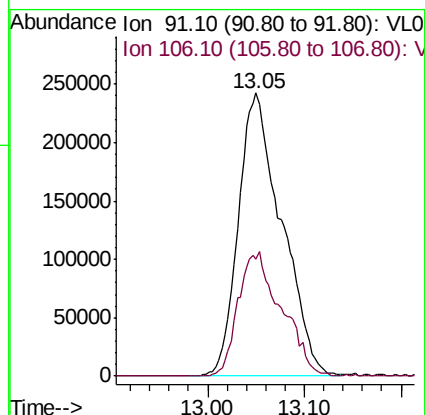
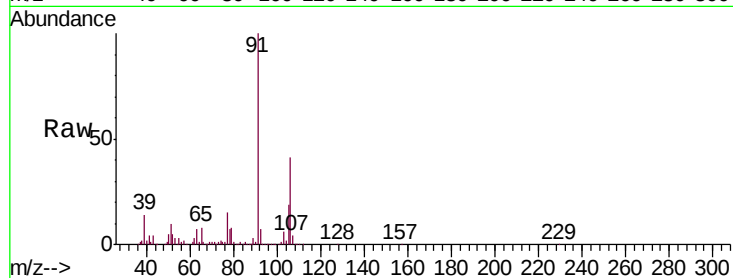




#59
m/p-Xylene
Concen: 4.451 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.03 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

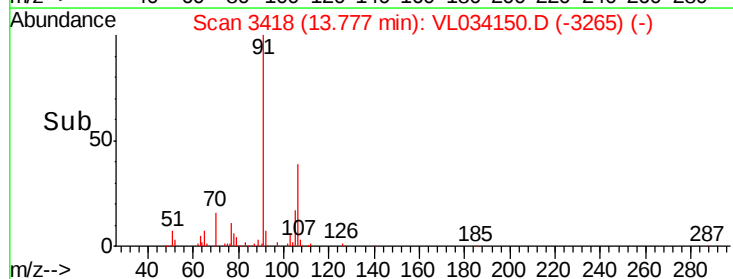
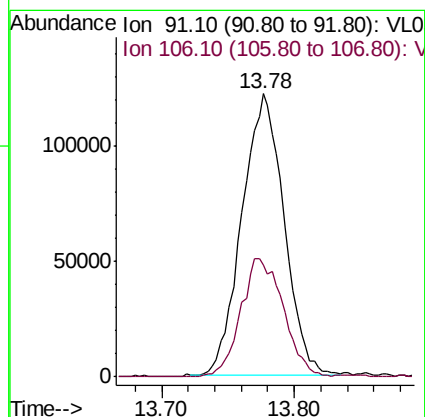
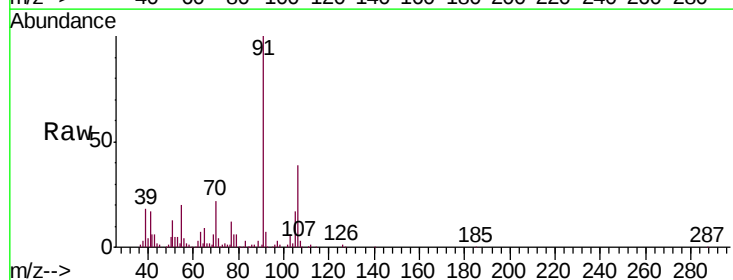
Instrument :
MSVOA_L
ClientSampled :
SV4

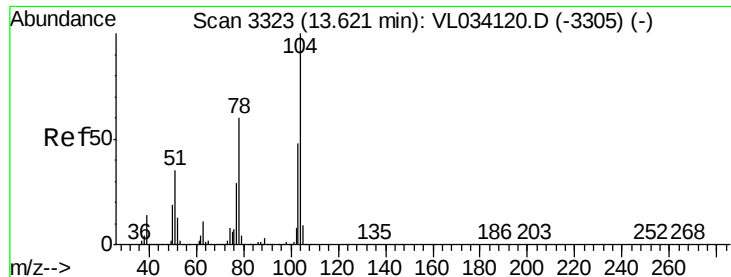
Tgt Ion: 91 Resp: 751135
Ion Ratio Lower Upper
91 100
106 44.4 35.4 53.2



#60
o-Xylene
Concen: 1.608 ppbv
RT: 13.78 min Scan# 3418
Delta R.T. -0.01 min
Lab File: VL034150.D
Acq: 10 Sep 2019 19:51

Tgt Ion: 91 Resp: 270298
Ion Ratio Lower Upper
91 100
106 43.3 21.4 64.3





#61

Styrene

Concen: 0.164 ppbv

RT: 13.61 min Scan# 3365

Delta R.T. -0.02 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV4

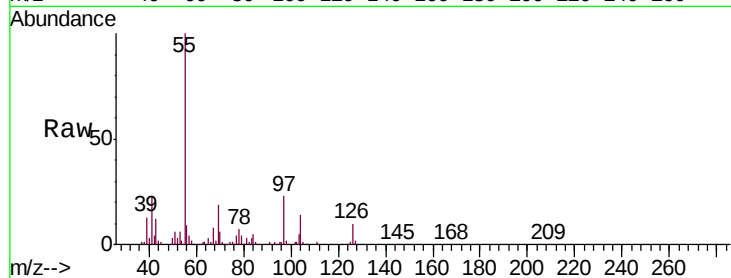
Tgt Ion:104 Resp: 20644

Ion Ratio Lower Upper

104 100

78 67.8 47.8 71.6

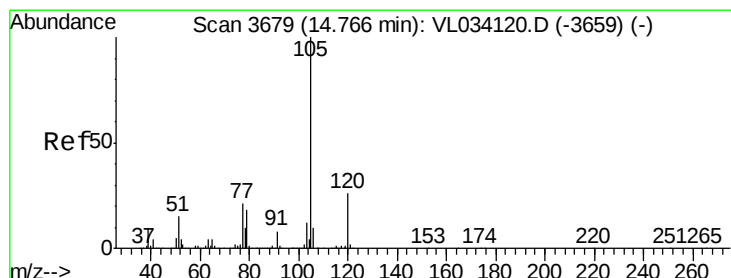
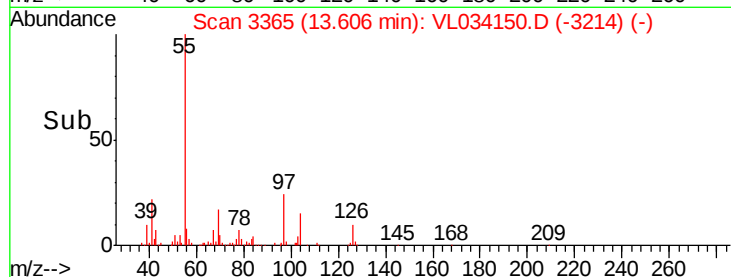
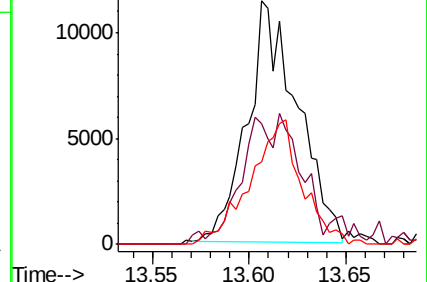
103 53.5 38.7 58.1



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: 0.032 ppbv

RT: 14.75 min Scan# 3722

Delta R.T. -0.01 min

Lab File: VL034150.D

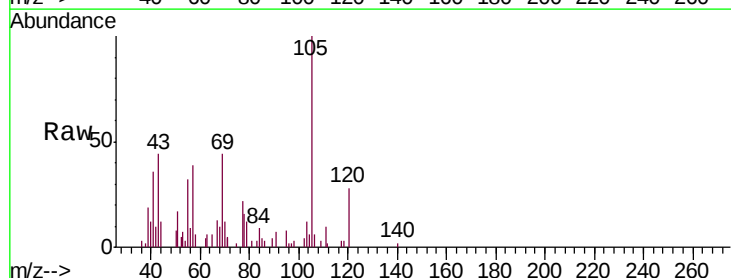
Acq: 10 Sep 2019 19:51

Tgt Ion:105 Resp: 6946

Ion Ratio Lower Upper

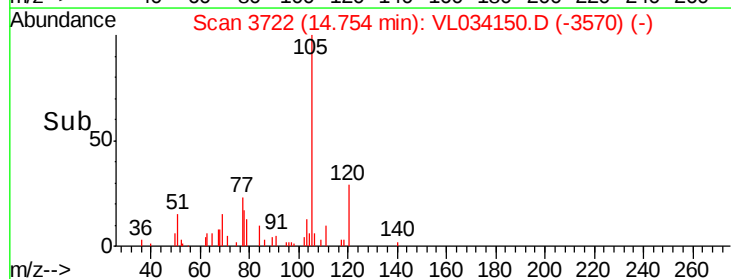
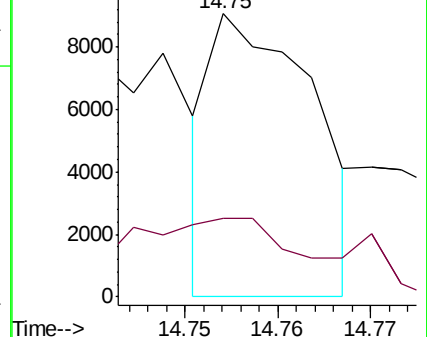
105 100

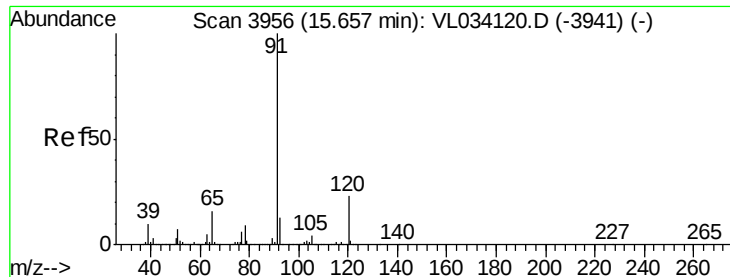
120 76.4 20.6 31.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.322 ppbv

RT: 15.65 min Scan# 4001

Delta R.T. -0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

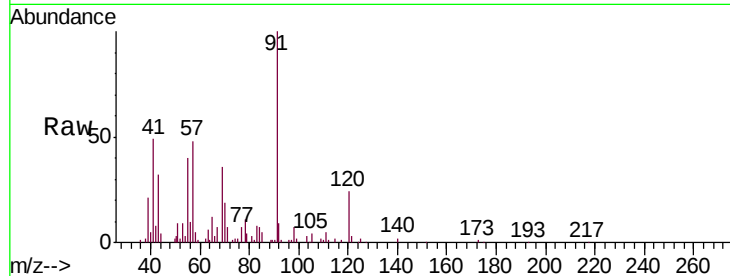
SV4

Tgt Ion:120 Resp: 17644

Ion Ratio Lower Upper

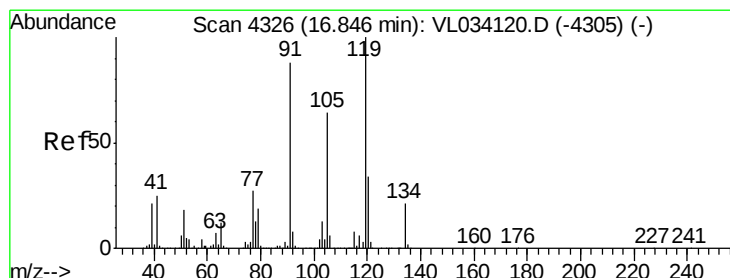
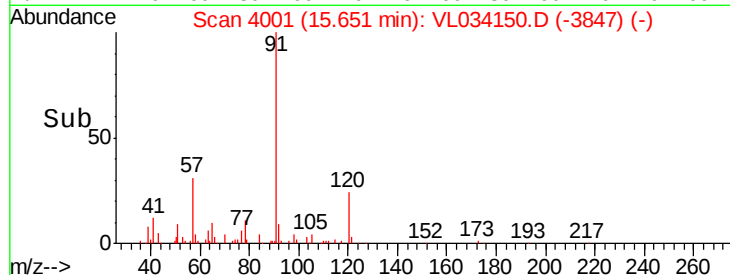
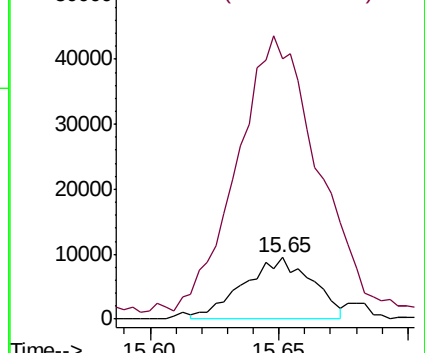
120 100

91 595.2 376.8 565.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.064 ppbv

RT: 16.85 min Scan# 4373

Delta R.T. 0.00 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

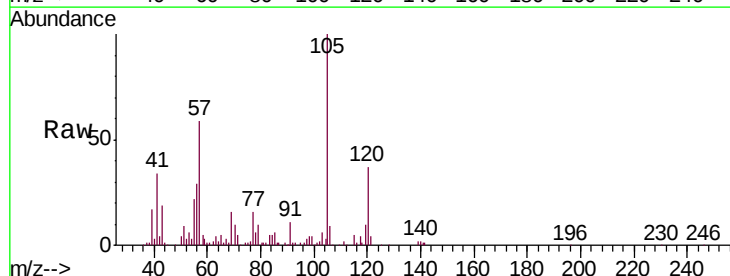
Tgt Ion:119 Resp: 12024

Ion Ratio Lower Upper

119 100

91 306.6 72.8 109.2#

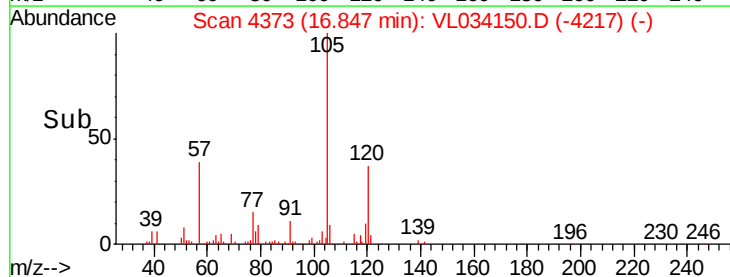
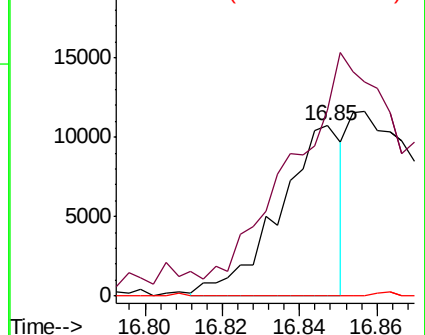
134 0.0 15.8 23.8#

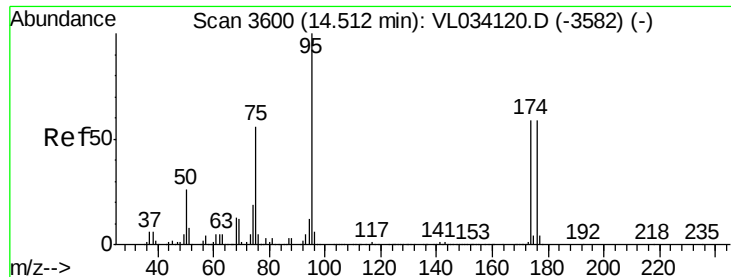


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

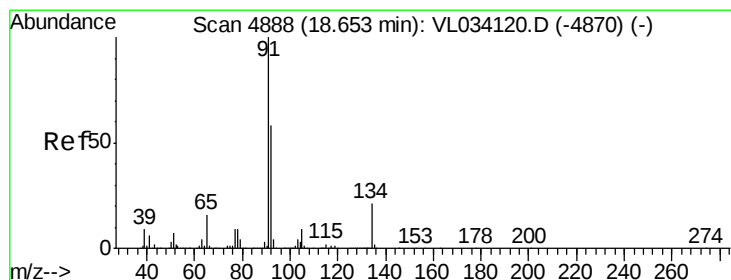
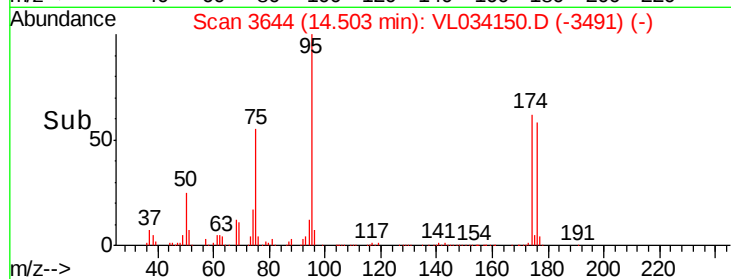
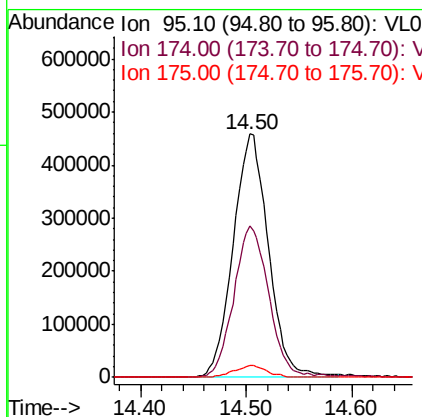
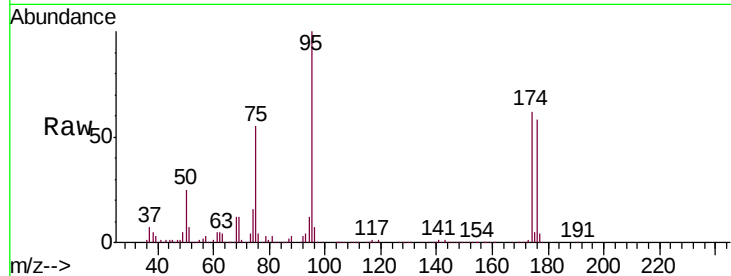




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.287 ppbv
 RT: 14.50 min Scan# 3644
 Delta R.T. -0.01 min
 Lab File: VL034150.D
 Acq: 10 Sep 2019 19:51

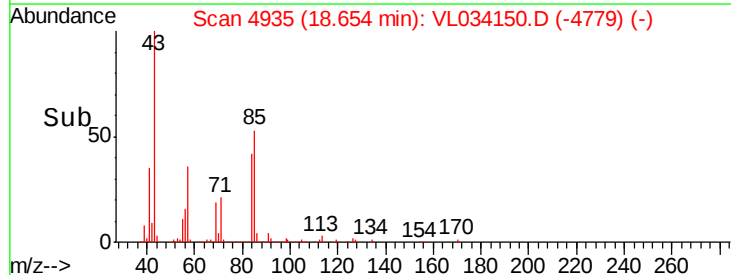
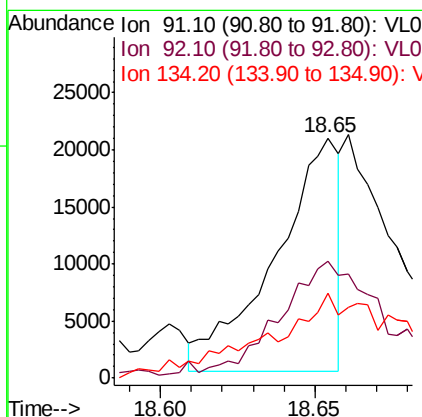
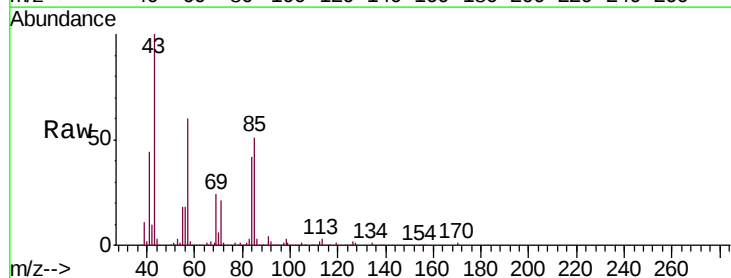
Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

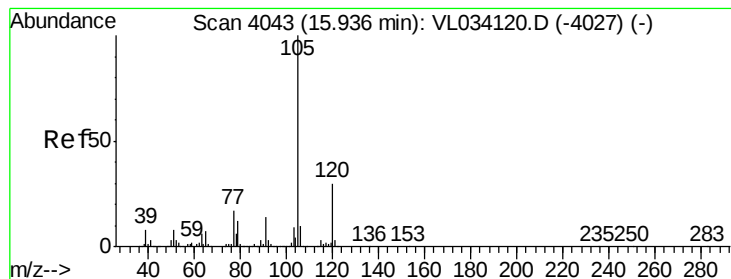
Tgt Ion: 95 Resp: 1060831
 Ion Ratio Lower Upper
 95 100
 174 62.5 48.1 72.1
 175 4.8 3.5 5.3



#70
 n-Butylbenzene
 Concen: 0.120 ppbv
 RT: 18.65 min Scan# 4935
 Delta R.T. 0.00 min
 Lab File: VL034150.D
 Acq: 10 Sep 2019 19:51

Tgt Ion: 91 Resp: 29547
 Ion Ratio Lower Upper
 91 100
 92 85.0 45.3 67.9#
 134 76.8 17.4 26.0#





#72

4-Ethyltoluene

Concen: 0.518 ppbv

RT: 15.93 min Scan# 4087

Delta R.T. -0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

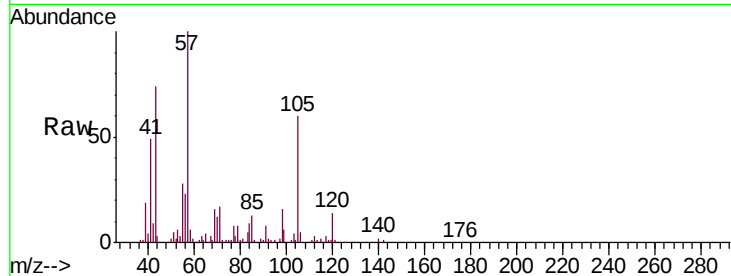
Instrument :

MSVOA_L

ClientSampleId :

SV4

Tgt Ion:	105	Resp:	98166
Ion	Ratio	Lower	Upper
105	100		
120	26.5	23.8	35.6
91	15.9	11.4	17.0
77	18.3	12.6	18.8

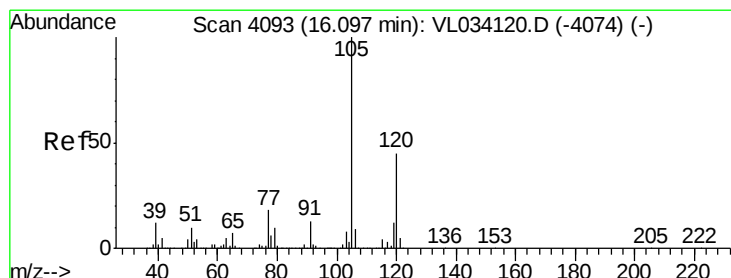
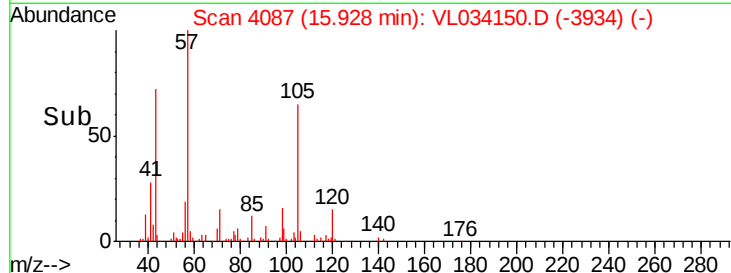
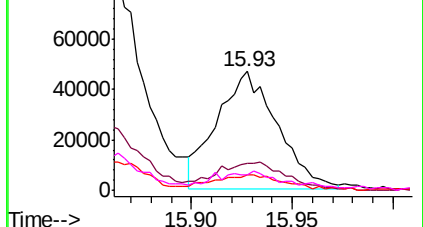


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.384 ppbv

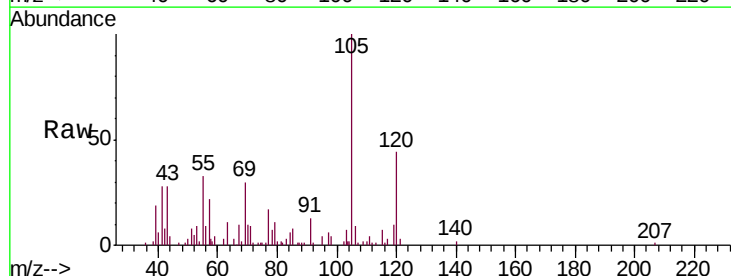
RT: 16.09 min Scan# 4137

Delta R.T. -0.01 min

Lab File: VL034150.D

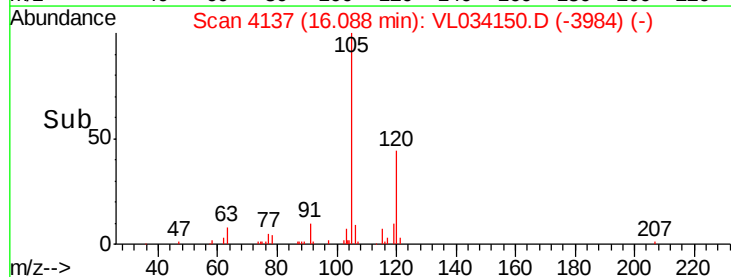
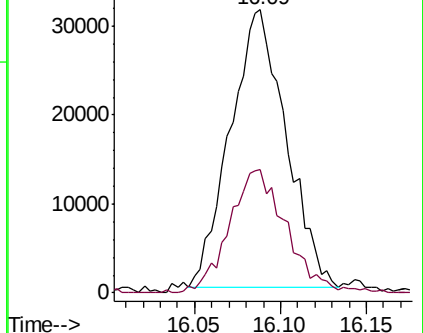
Acq: 10 Sep 2019 19:51

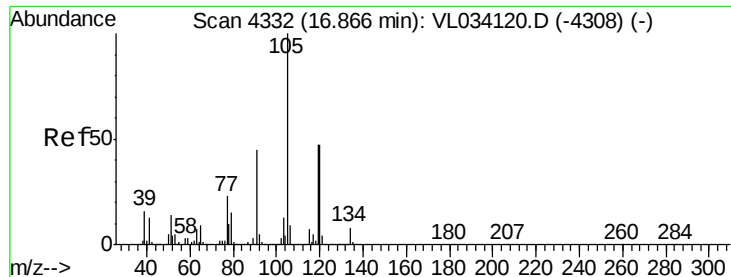
Tgt Ion:	105	Resp:	70687
Ion	Ratio	Lower	Upper
105	100		
120	43.5	35.8	53.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.472 ppbv

RT: 16.85 min Scan# 4375

Delta R.T. -0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV4

Tgt Ion:105 Resp: 279389

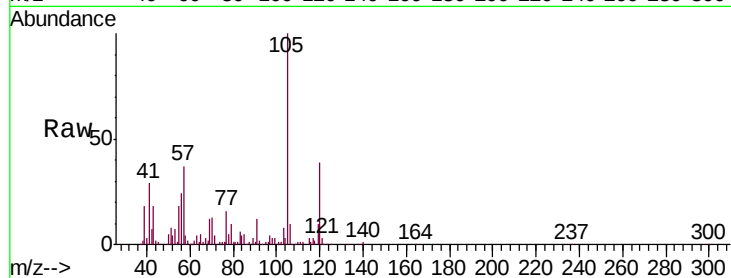
Ion Ratio Lower Upper

105 100

120 39.1 37.7 56.5

91 10.7 36.2 54.2#

77 15.3 18.5 27.7#

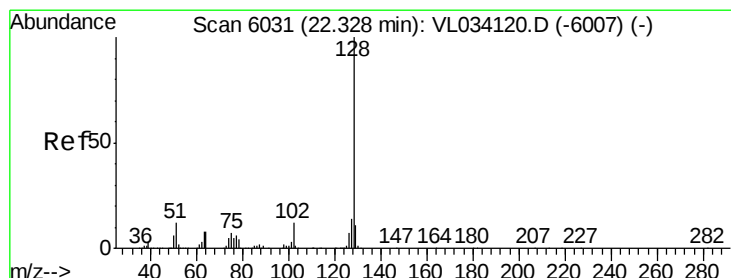
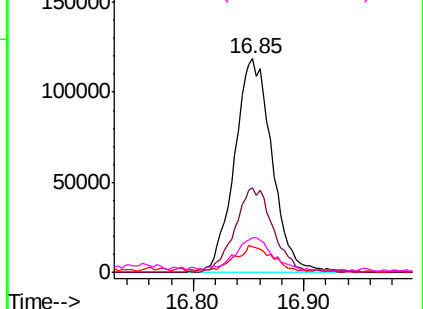
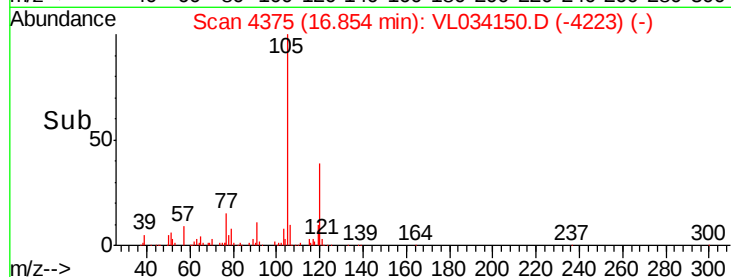


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.068 ppbv

RT: 22.34 min Scan# 6082

Delta R.T. 0.01 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

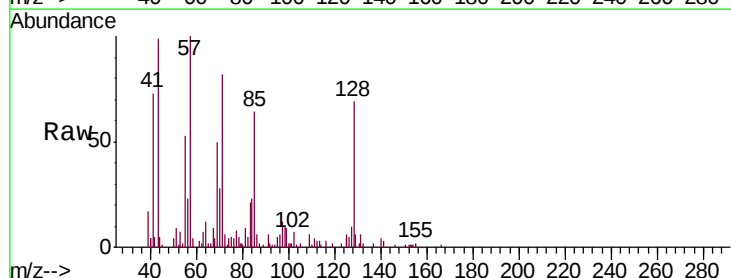
Tgt Ion:128 Resp: 11639

Ion Ratio Lower Upper

128 100

127 11.6 10.9 16.3

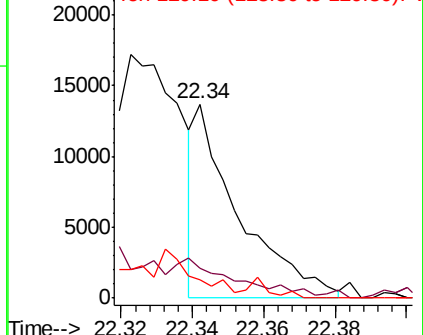
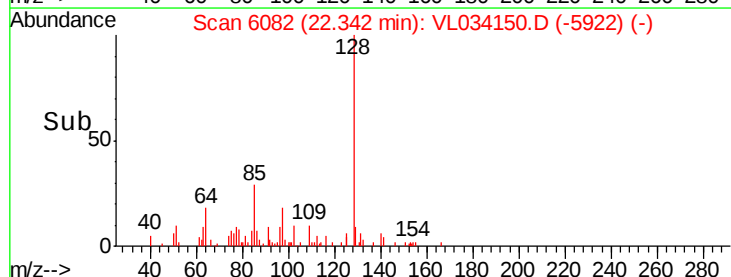
129 9.5 8.5 12.7

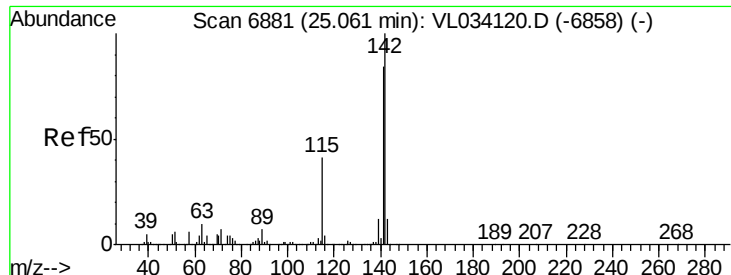


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.115 ppbv

RT: 25.06 min Scan# 6927

Delta R.T. -0.00 min

Lab File: VL034150.D

Acq: 10 Sep 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV4

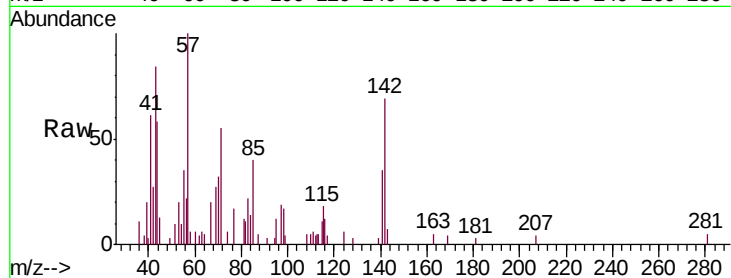
Tgt Ion:142 Resp: 6838

Ion Ratio Lower Upper

142 100

141 89.0 67.6 101.4

115 57.3 34.6 52.0#



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

