

Data File : VL034216.D
Acq On : 2 Oct 2019 18:32
Operator : SY/AP
Sample : K5106-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-4

Quant Time: Oct 03 05:43:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	938104	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1745703	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1809810	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1576133	10.02	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	32707	0.236	ppbv	99
3) Chlorodifluoromethane	2.96	51	18644	0.170	ppbv #	86
4) Chloromethane	3.12	50	58872	0.911	ppbv	95
5) Vinyl Chloride	3.24	62	12522	0.212	ppbv	98
6) Bromomethane	3.47	94	1584	0.057	ppbv	90
7) Chloroethane	3.55	64	4656	0.226	ppbv	94
9) Propene	2.99	41	3685618	67.915	ppbv	97
10) Heptane	8.18	43	3025155	21.389	ppbv	98
11) Trichlorofluoromethane	3.96	101	38886	0.308	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	7014	0.085	ppbv	92
13) Ethanol	3.61	45	321561	24.470	ppbv	96
15) Acetone	3.85	43	6099358	48.511	ppbv #	68
16) 1,3-Butadiene	3.29	39	2576284	46.952	ppbv #	29
17) tert-Butyl alcohol	4.30	59	971284	12.192	ppbv	99
19) Isopropyl Alcohol	3.98	45	170353	2.203	ppbv #	95
20) Methylene Chloride	4.36	84	100855	2.782	ppbv	95
21) Allyl Chloride	4.41	41	64370	0.906	ppbv #	1
23) Vinyl Acetate	5.09	43	260779	1.408	ppbv #	55
25) Ethyl Acetate	5.72	43	497294	2.092	ppbv #	80
26) Hexane	5.72	57	609107	6.159	ppbv #	40
27) Carbon Disulfide	4.56	76	526694	5.774	ppbv	97
29) Chloroform	5.79	83	2315985	16.387	ppbv	98
30) Cyclohexane	7.18	84	213627	2.992	ppbv	86
34) 2-Butanone	5.27	43	2802092	15.720	ppbv	94
35) Carbon Tetrachloride	7.07	117	7413	0.051	ppbv	86
36) Benzene	6.93	78	1054245	5.468	ppbv	94
38) Trichloroethene	7.89	130	29983	0.435	ppbv #	87
39) 1,2-Dichloropropane	7.22	63	530428	6.123	ppbv #	19
41) Tetrahydrofuran	6.09	42	18337	0.183	ppbv #	60
42) Bromodichloromethane	7.85	83	57510	0.349	ppbv #	40
43) Methyl Methacrylate	8.07	69	23593	0.296	ppbv #	1
44) 2,2,4-Trimethylpentane	7.92	57	1229260	3.312	ppbv #	80
50) 4-Methyl-2-Pentanone	8.80	43	184084	0.710	ppbv	89
51) 2-Hexanone	10.19	43	544262	2.500	ppbv #	75
52) Tetrachloroethene	11.30	164	1327356	20.838	ppbv	94
53) Toluene	9.87	91	2751726	13.059	ppbv	100
58) Ethyl Benzene	12.79	91	400641	1.372	ppbv	92
59) m/p-Xylene	13.04	91	903563	3.736	ppbv	98
60) o-Xylene	13.77	91	362711	1.500	ppbv	96
62) Isopropylbenzene	14.75	105	20773	0.066	ppbv #	49
64) n-propylbenzene	15.64	120	25934	0.327	ppbv #	53

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\
Quantitation Report (Not Reviewed)

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SV-4

Quant Time: Oct 03 05:43:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.85	119	40481	0.148	ppbv #	66
67) sec-Butylbenzene	17.37	105	19903	0.051	ppbv #	59
69) p-Isopropyltoluene	17.74	119	36721	0.116	ppbv #	68
70) n-Butylbenzene	18.63	91	13370	0.036	ppbv #	1
72) 4-Ethyltoluene	15.92	105	132170	0.484	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.08	105	128951	0.488	ppbv	98
74) 1,2,4-Trimethylbenzene	16.85	105	374865	1.337	ppbv #	67
79) Naphthalene	22.30	128	11655	0.047	ppbv #	82

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

Data File : VL034216.D

Acq On : 2 Oct 2019 18:32

Operator : SY/AP

Sample : K5106-04

Misc : 400ml/MSVOA_L

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
SV-4

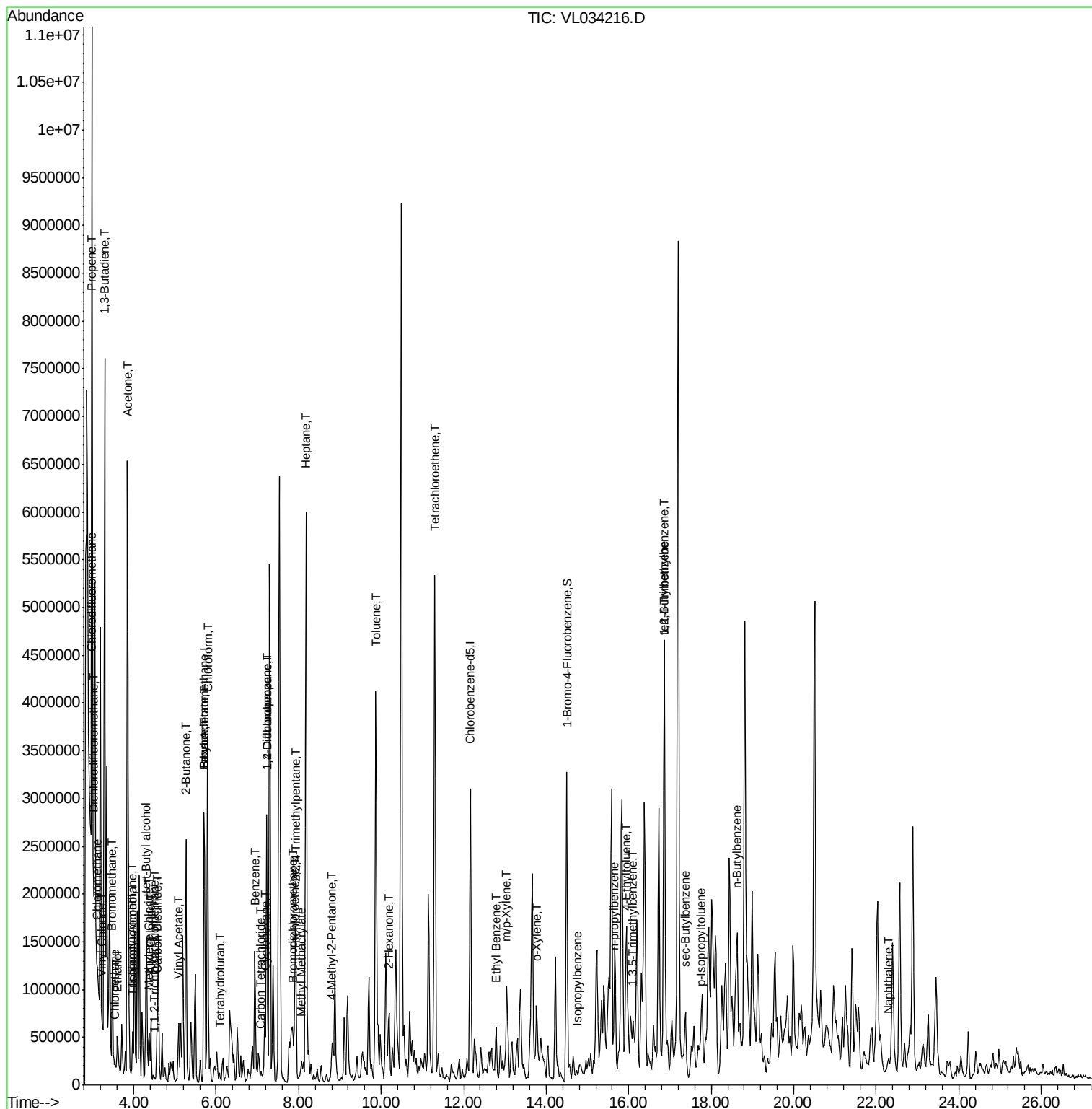
Quant Time: Oct 03 05:43:08 2019

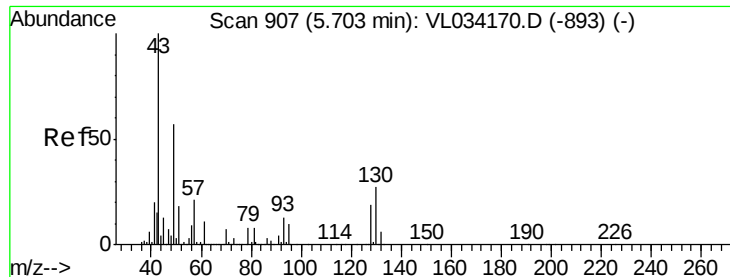
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL091719AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019

QLast Update : Wed Sep 18 12:53:31 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

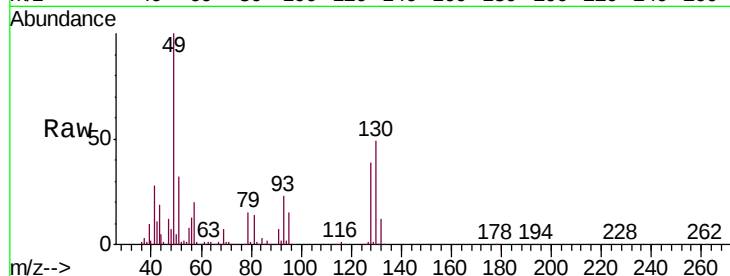
Tgt Ion: 49 Resp: 938104

Ion Ratio Lower Upper

49 100

128 37.6 17.6 52.9

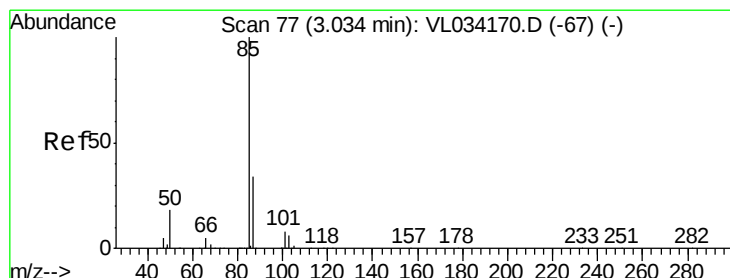
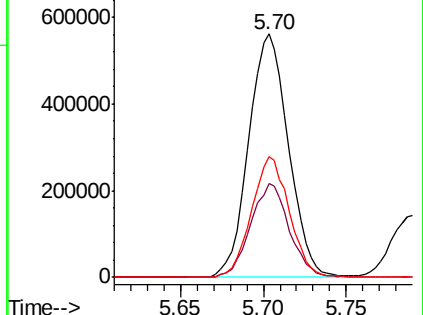
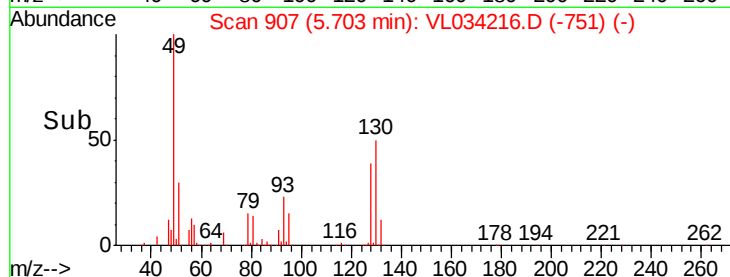
130 47.4 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.236 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.01 min

Lab File: VL034216.D

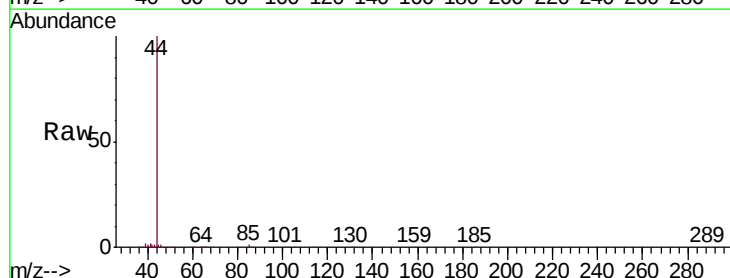
Acq: 2 Oct 2019 18:32

Tgt Ion: 85 Resp: 32707

Ion Ratio Lower Upper

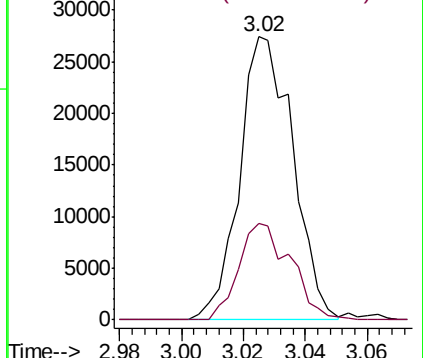
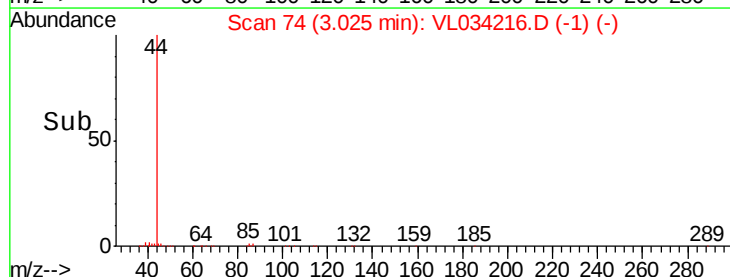
85 100

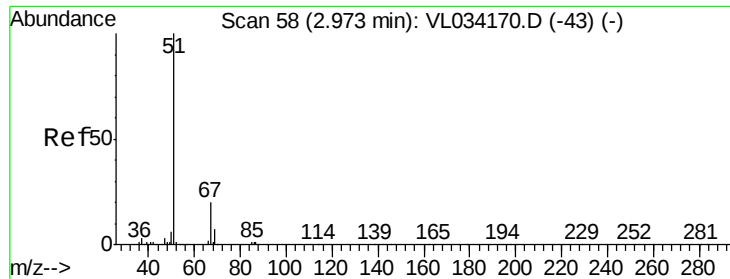
87 34.3 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.170 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

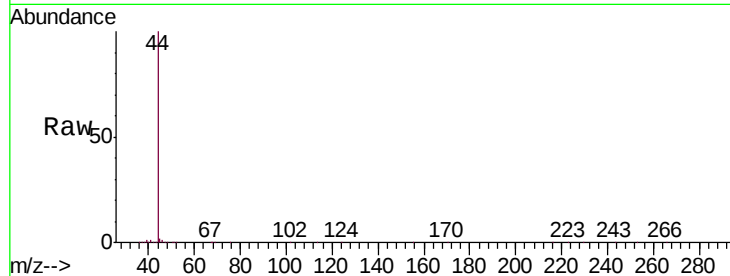
SV-4

Tgt Ion: 51 Resp: 18644

Ion Ratio Lower Upper

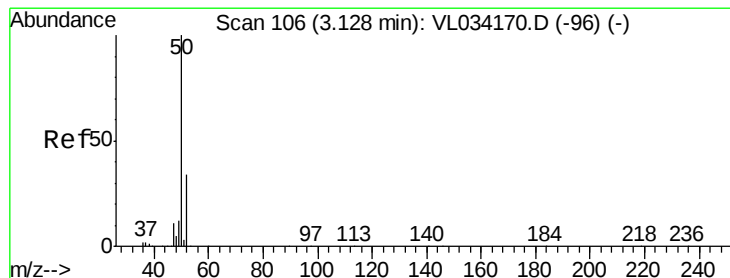
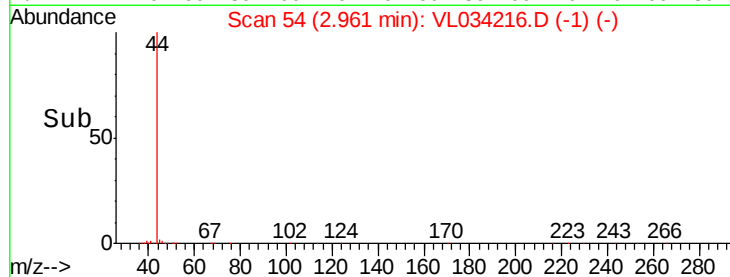
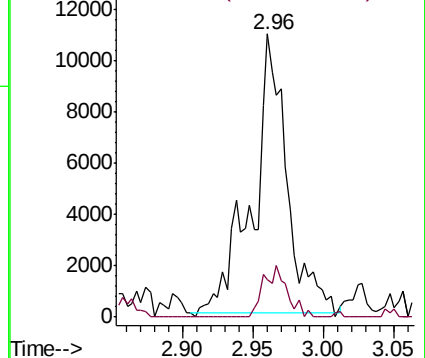
51 100

67 12.4 14.8 22.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.911 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034216.D

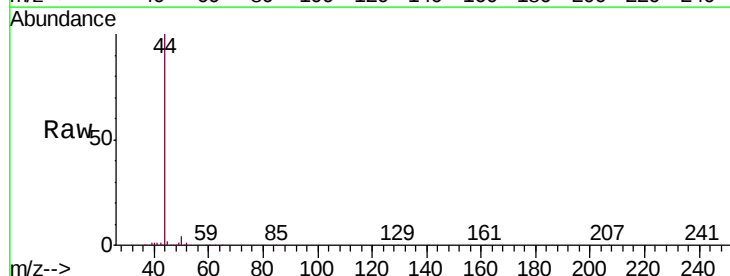
Acq: 2 Oct 2019 18:32

Tgt Ion: 50 Resp: 58872

Ion Ratio Lower Upper

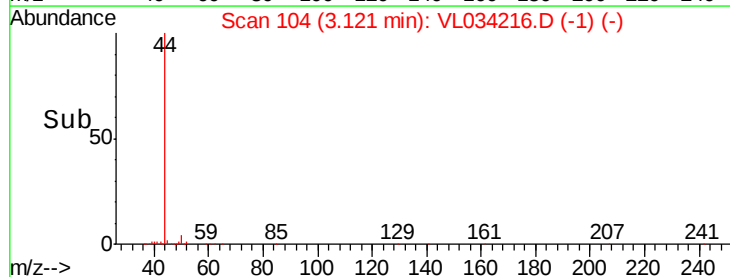
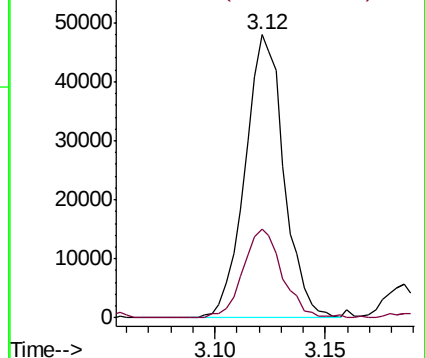
50 100

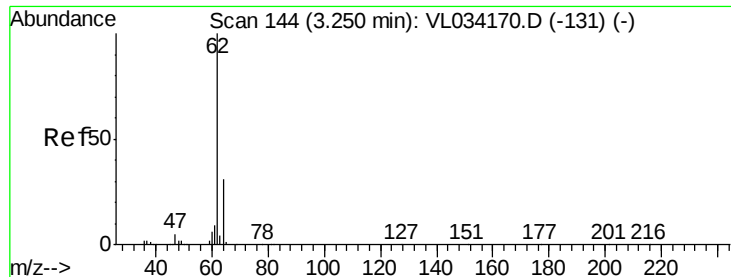
52 31.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.212 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

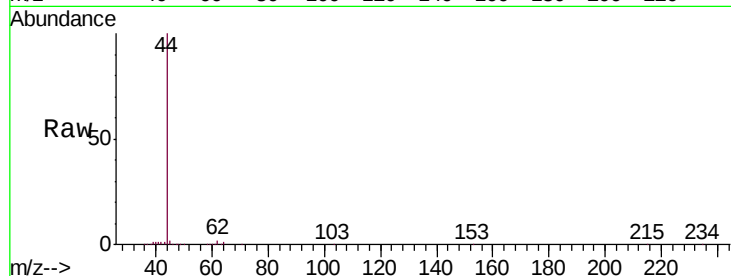
SV-4

Tgt Ion: 62 Resp: 12522

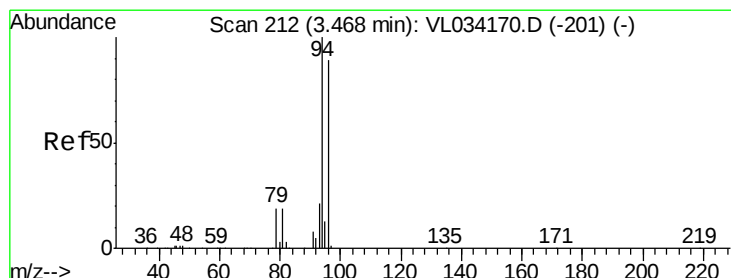
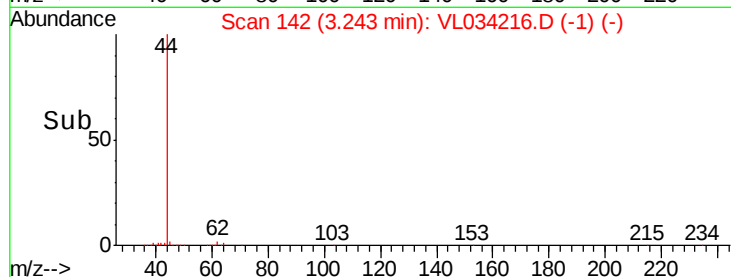
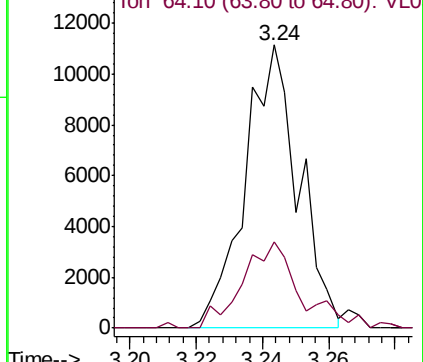
Ion Ratio Lower Upper

62 100

64 30.4 25.2 37.8



Abundance Ion 62.10 (61.80 to 62.80): VL0



#6

Bromomethane

Concen: 0.057 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL034216.D

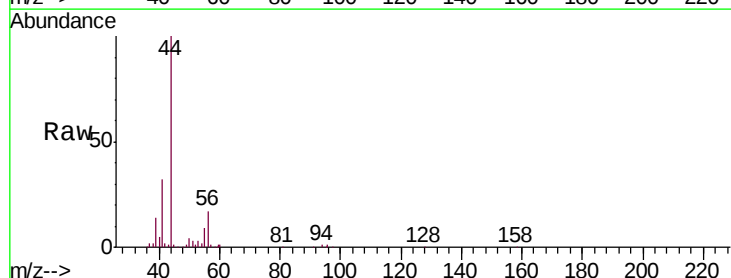
Acq: 2 Oct 2019 18:32

Tgt Ion: 94 Resp: 1584

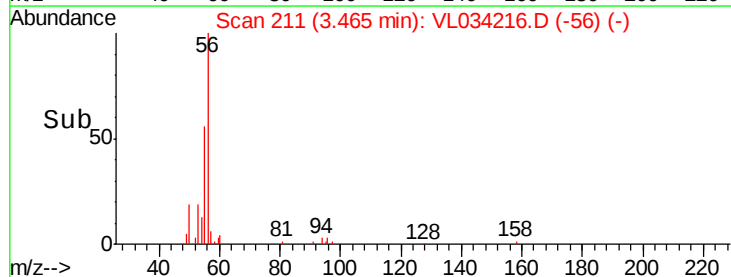
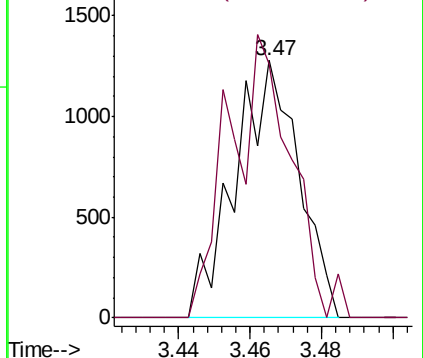
Ion Ratio Lower Upper

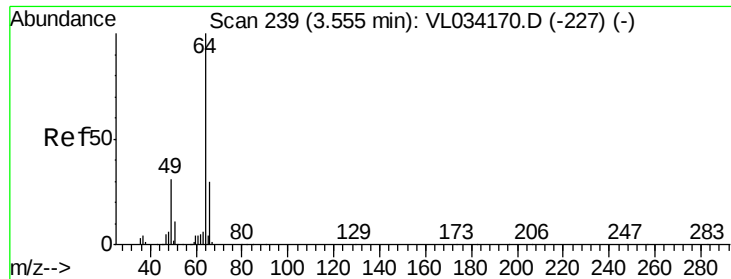
94 100

96 98.7 71.3 106.9



Abundance Ion 94.00 (93.70 to 94.70): VL0





#7

Chloroethane

Concen: 0.226 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

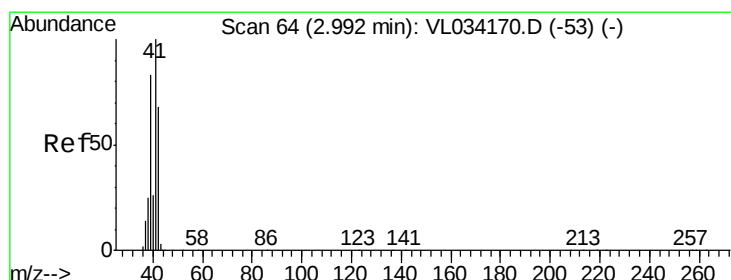
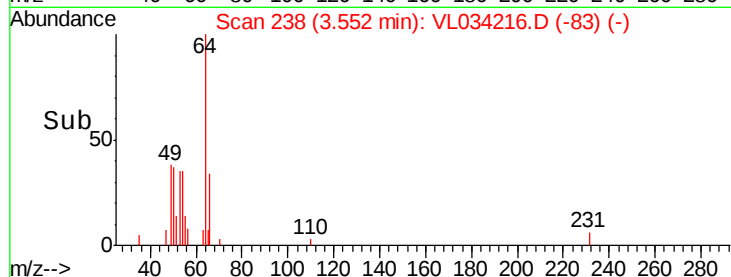
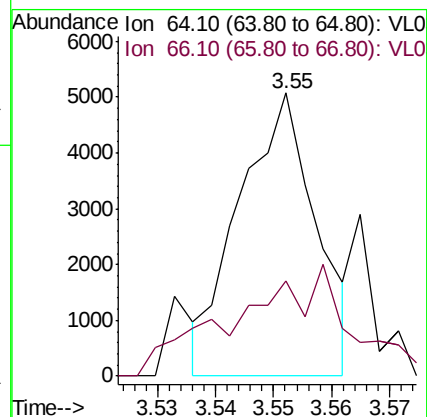
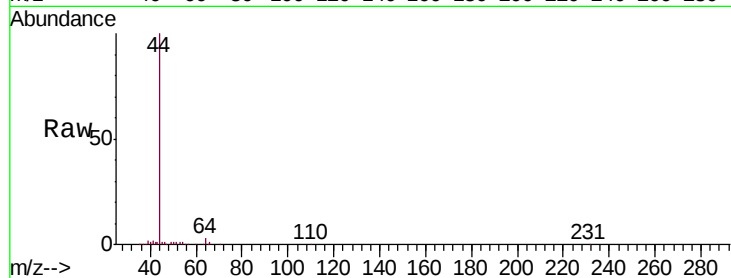
SV-4

Tgt Ion: 64 Resp: 4656

Ion Ratio Lower Upper

64 100

66 33.6 24.2 36.4



#9

Propene

Concen: 67.915 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL034216.D

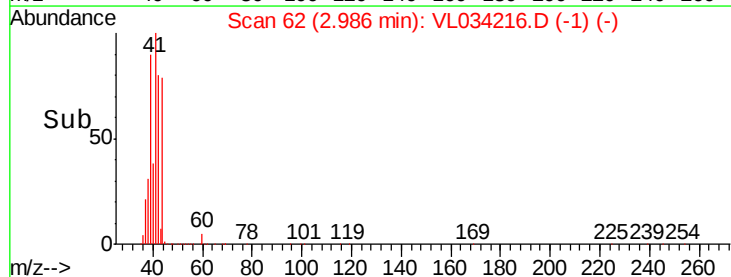
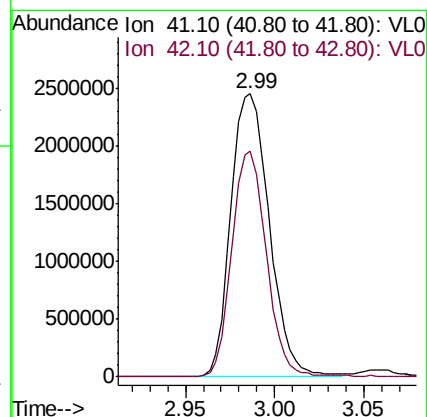
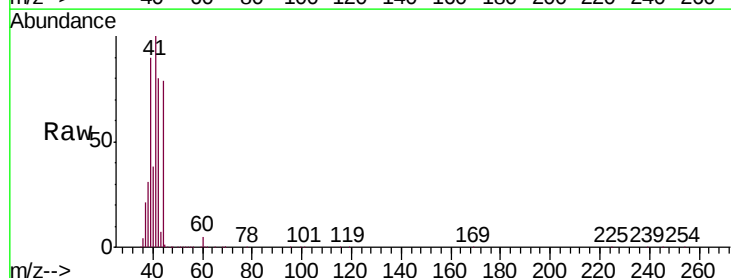
Acq: 2 Oct 2019 18:32

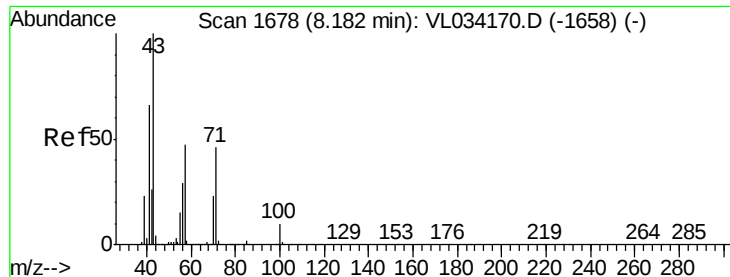
Tgt Ion: 41 Resp: 3685618

Ion Ratio Lower Upper

41 100

42 72.2 55.8 83.6





#10

Heptane

Concen: 21.389 ppbv

RT: 8.18 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

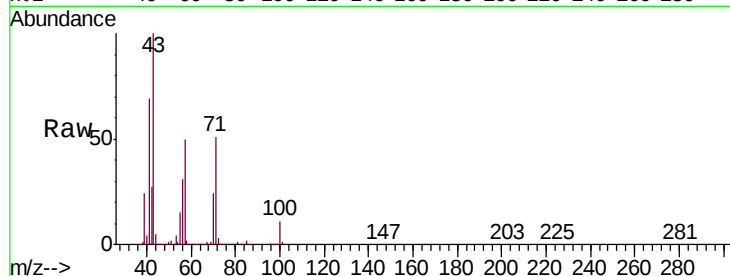
SV-4

Tgt Ion: 43 Resp: 3025155

Ion Ratio Lower Upper

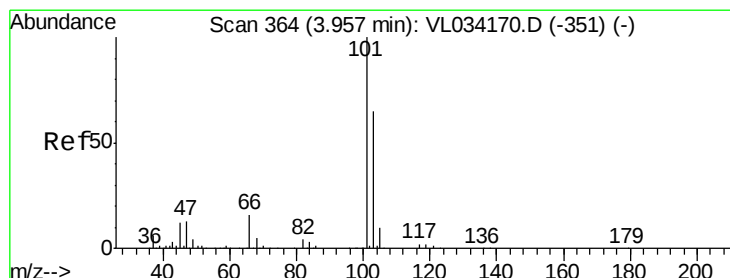
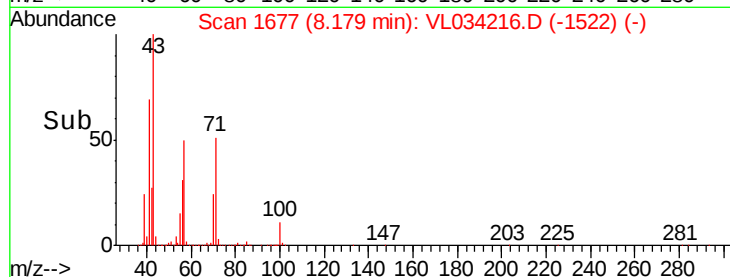
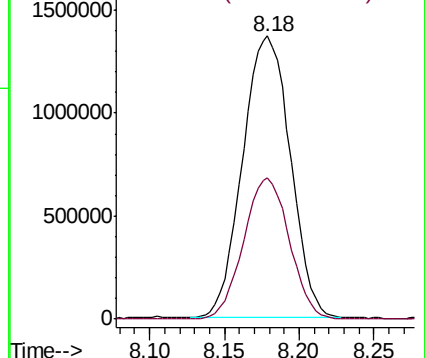
43 100

57 48.4 37.5 56.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.308 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL034216.D

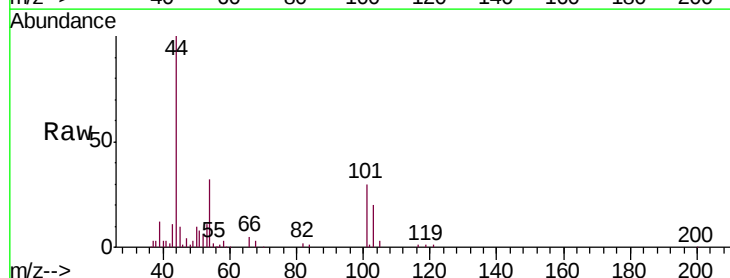
Acq: 2 Oct 2019 18:32

Tgt Ion: 101 Resp: 38886

Ion Ratio Lower Upper

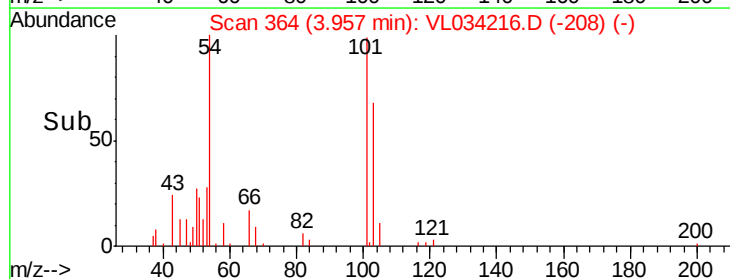
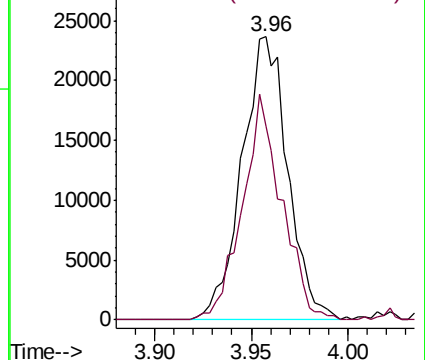
101 100

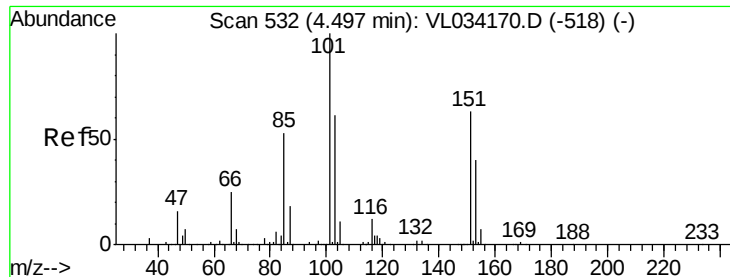
103 68.5 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.085 ppbv

RT: 4.50 min Scan# 534

Delta R.T. 0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

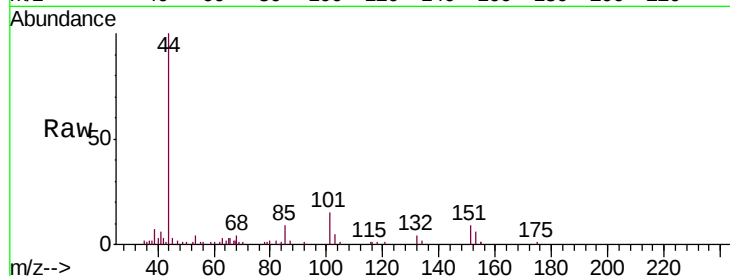
SV-4

Tgt Ion:101 Resp: 7014

Ion Ratio Lower Upper

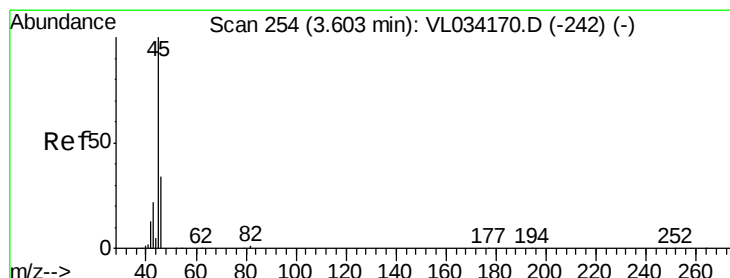
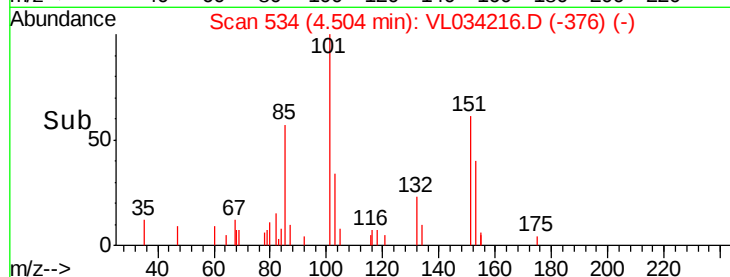
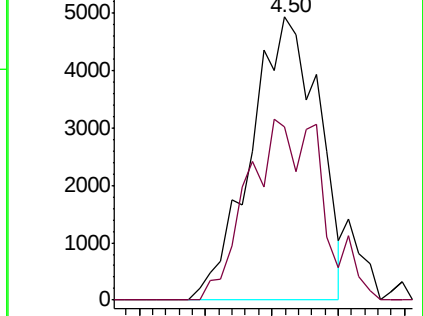
101 100

151 71.0 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 24.470 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL034216.D

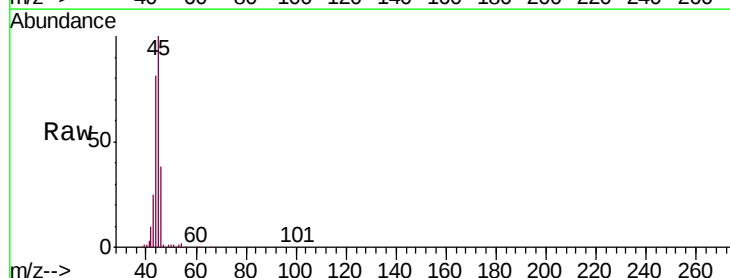
Acq: 2 Oct 2019 18:32

Tgt Ion: 45 Resp: 321561

Ion Ratio Lower Upper

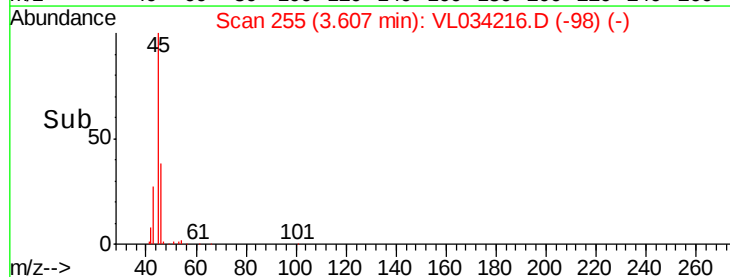
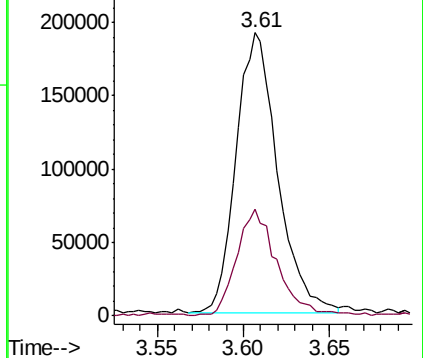
45 100

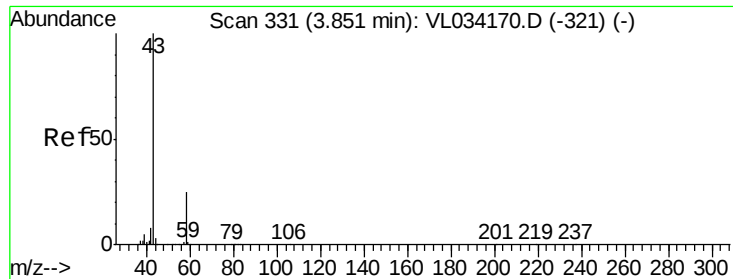
46 36.4 15.5 61.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

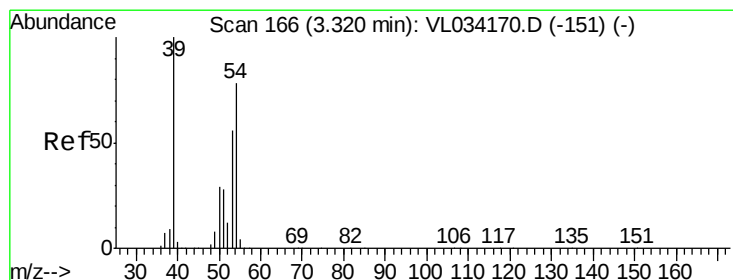
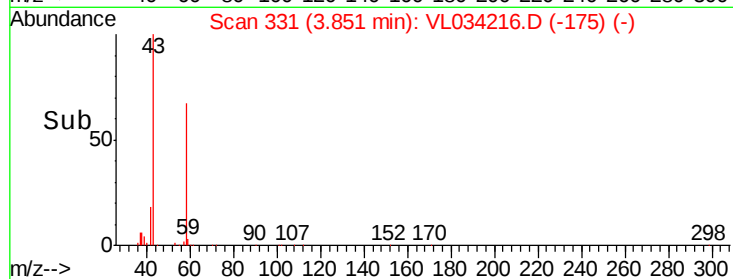
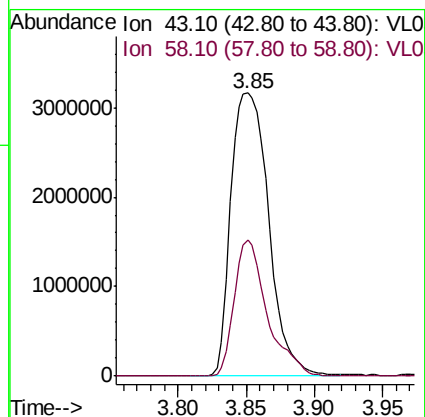
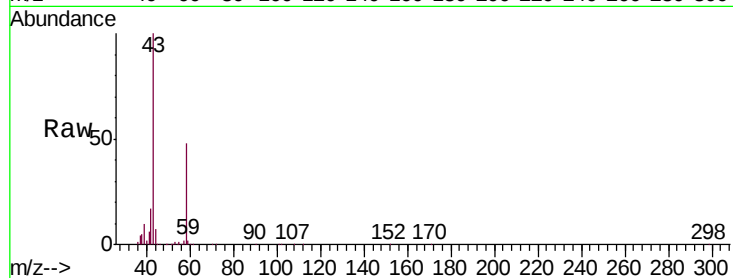




#15
Acetone
Concen: 48.511 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

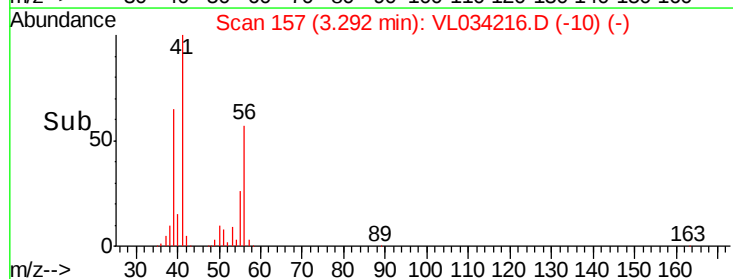
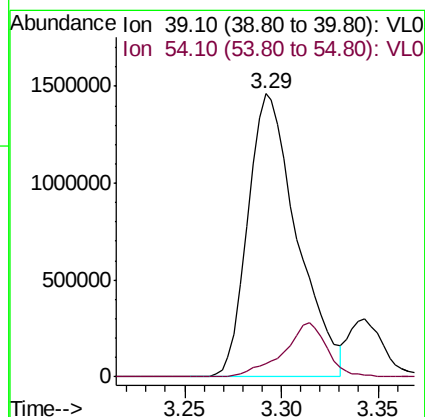
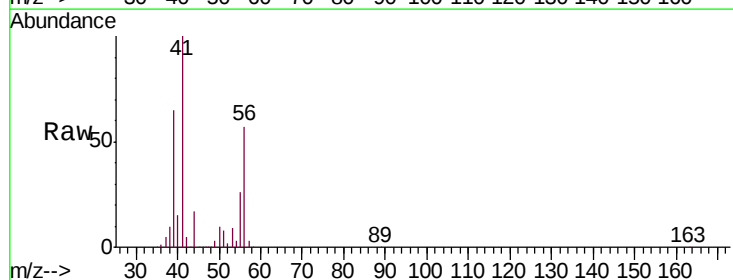
Instrument :
MSVOA_L
ClientSampleId :
SV-4

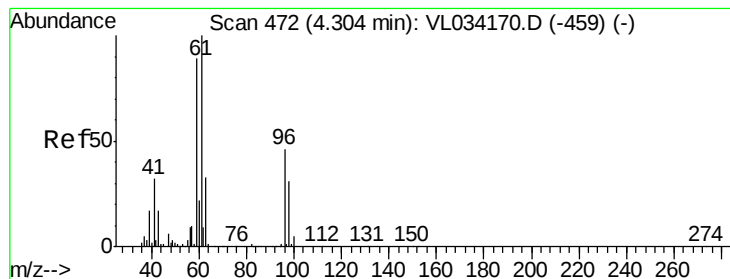
Tgt Ion: 43 Resp: 6099358
Ion Ratio Lower Upper
43 100
58 42.1 20.5 30.7#



#16
1,3-Butadiene
Concen: 46.952 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.03 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 39 Resp: 2576284
Ion Ratio Lower Upper
39 100
54 17.2 63.4 95.0#



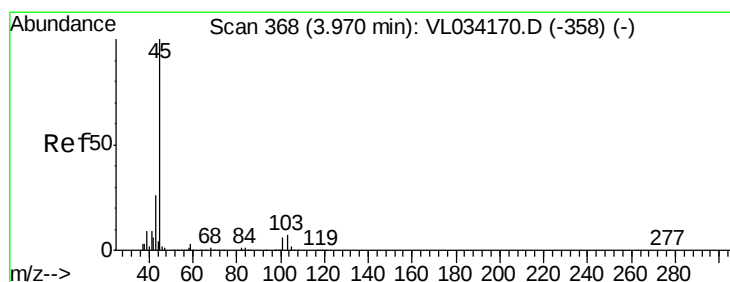
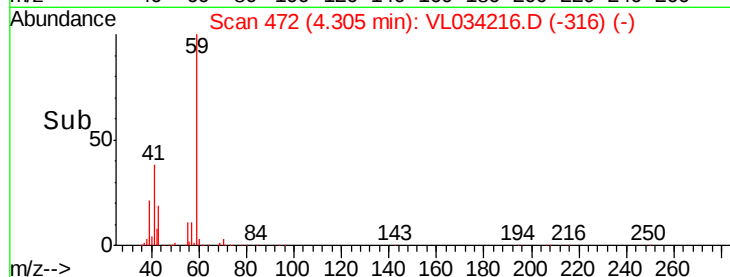
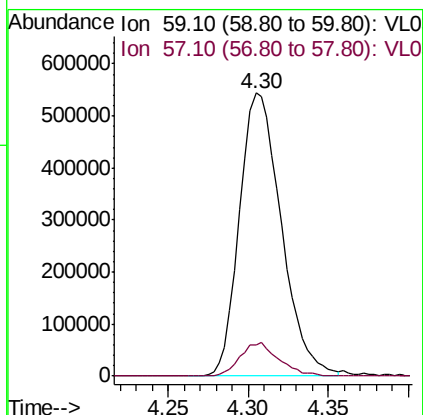
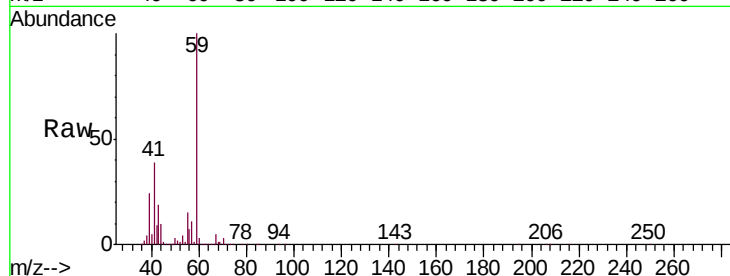


#17

tert-Butyl alcohol
Concen: 12.192 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampleId :
SV-4

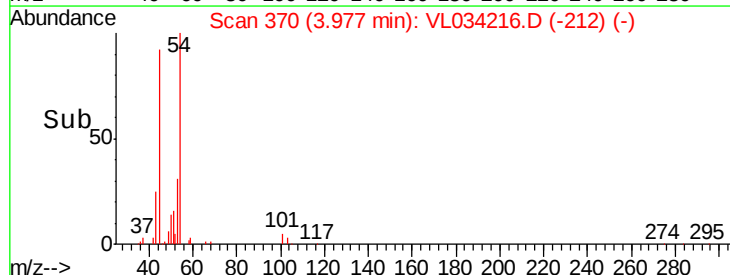
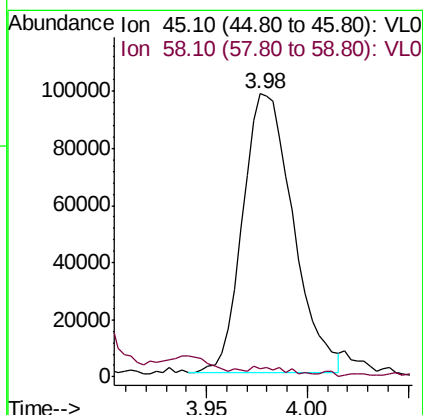
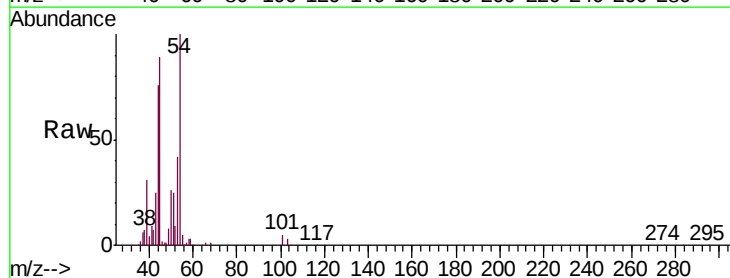
Tgt Ion: 59 Resp: 971284
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

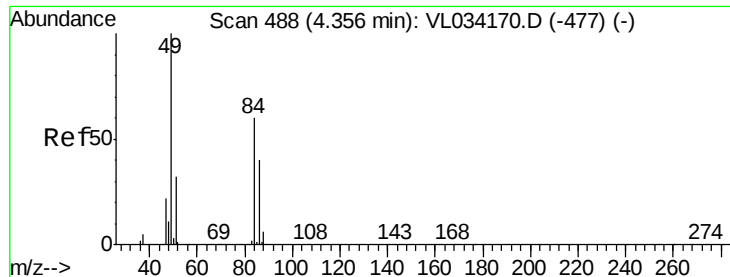


#19

Isopropyl Alcohol
Concen: 2.203 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 45 Resp: 170353
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#

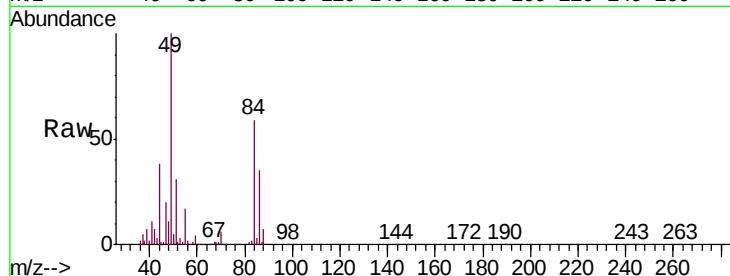




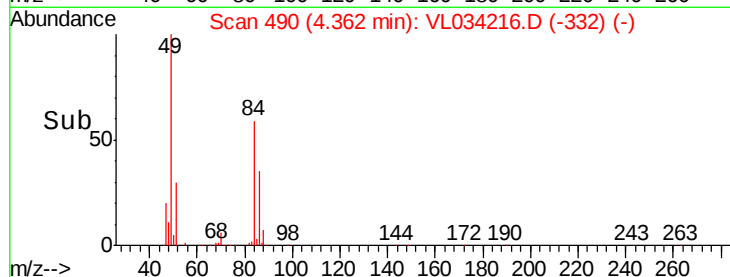
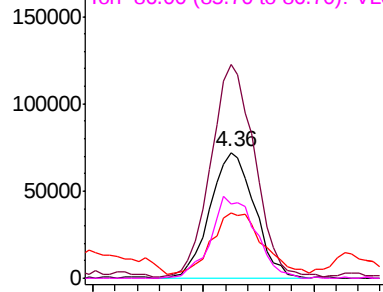
#20
Methylene Chloride
Concen: 2.782 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampleId :
SV-4

Tgt Ion: 84 Resp: 100855
Ion Ratio Lower Upper
84 100
49 168.3 133.8 200.8
51 47.2 43.6 65.4
86 58.6 53.1 79.7

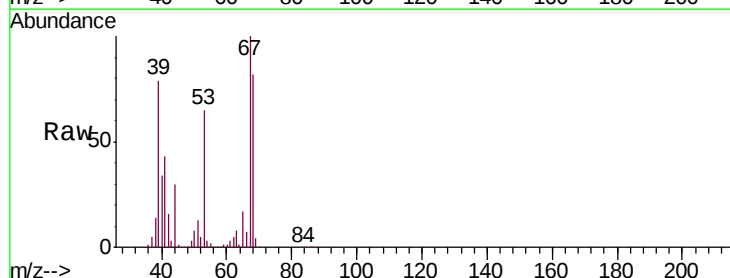
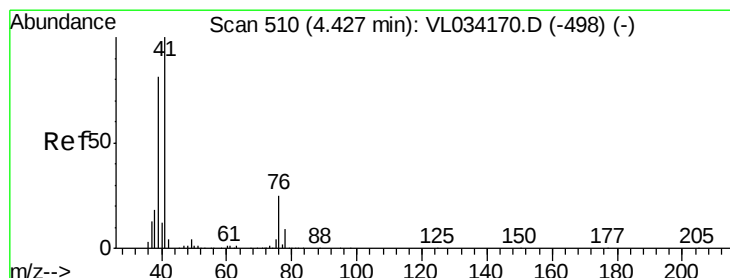


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

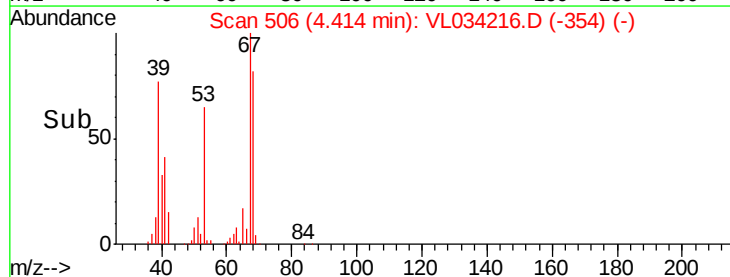
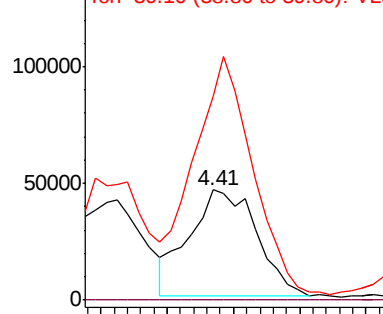


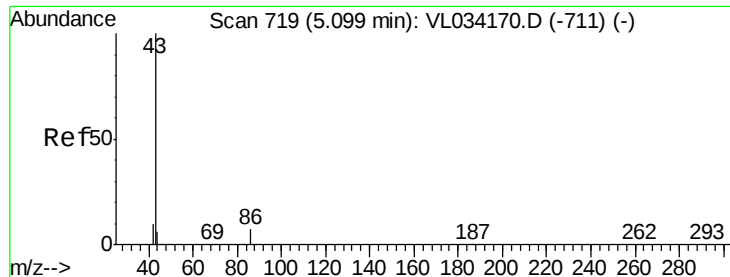
#21
Allyl Chloride
Concen: 0.906 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 41 Resp: 64370
Ion Ratio Lower Upper
41 100
76 0.0 21.8 32.6#
39 312.9 64.8 97.2#



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





#23

Vinyl Acetate

Concen: 1.408 ppbv

RT: 5.09 min Scan# 715

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tgt Ion: 43 Resp: 260779

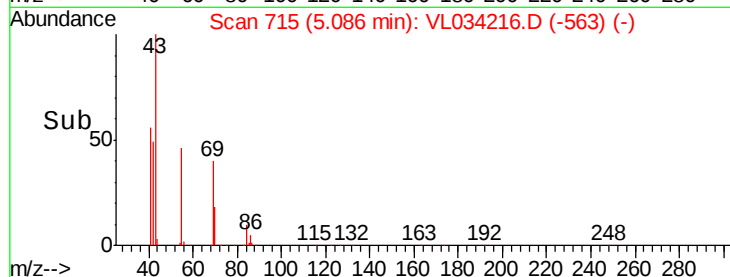
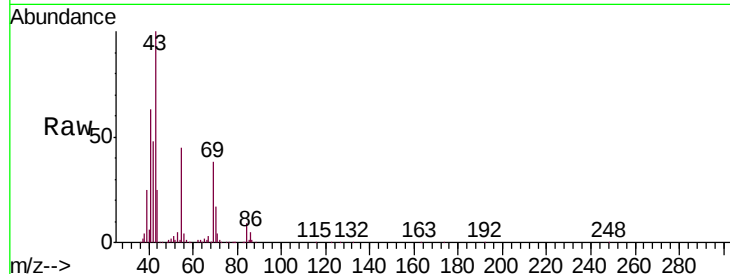
Ion Ratio Lower Upper

43 100

86 5.3 5.1 7.7

42 46.1 8.6 12.8#

44 7.0 4.7 7.1

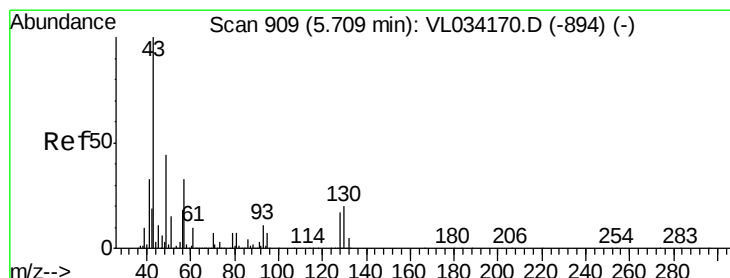
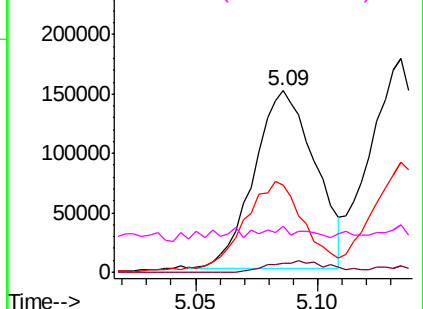


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 2.092 ppbv

RT: 5.72 min Scan# 912

Delta R.T. 0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Tgt Ion: 43 Resp: 497294

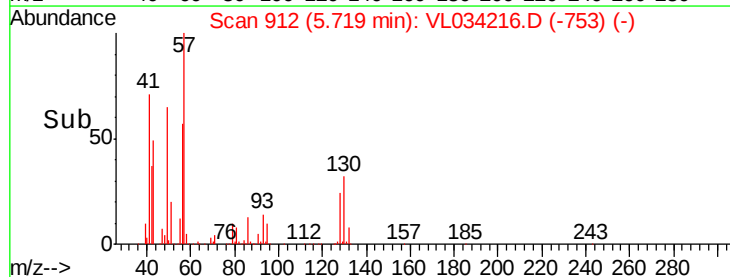
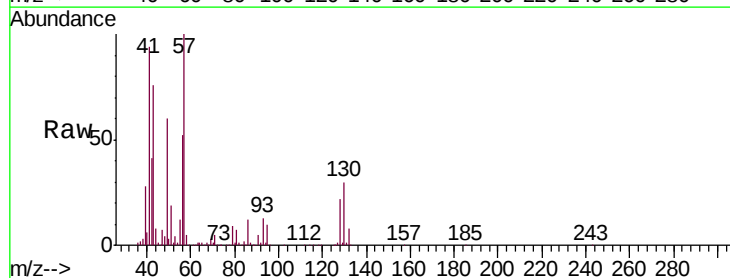
Ion Ratio Lower Upper

43 100

45 1.4 8.4 12.6#

61 1.3 7.2 10.8#

70 2.7 5.3 7.9#

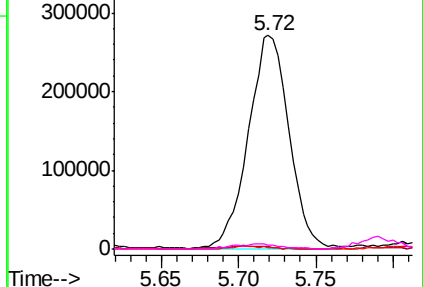


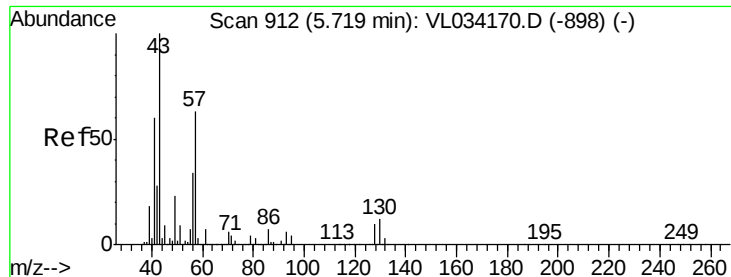
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

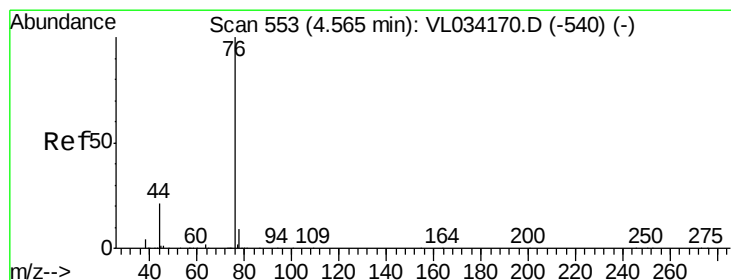
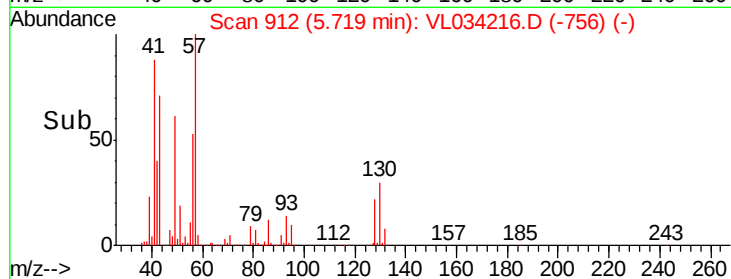
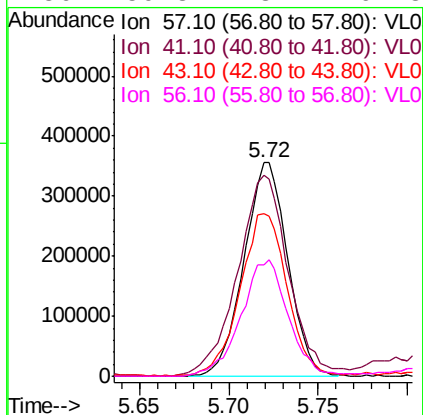
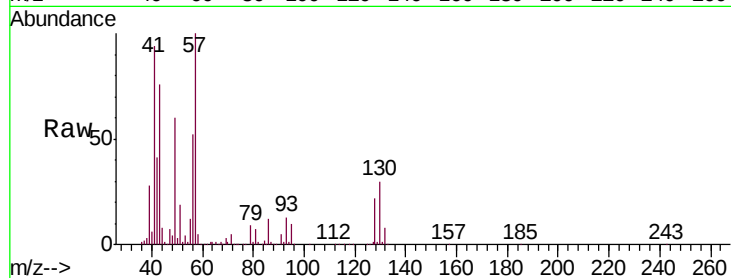




#26
Hexane
Concen: 6.159 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

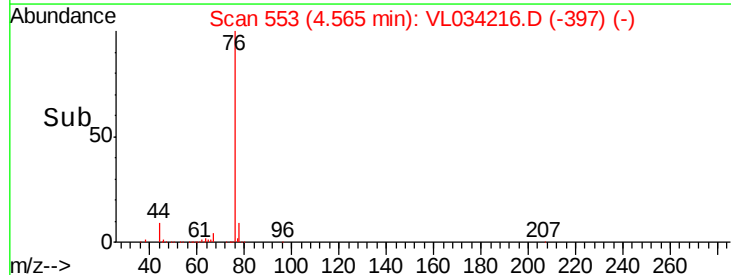
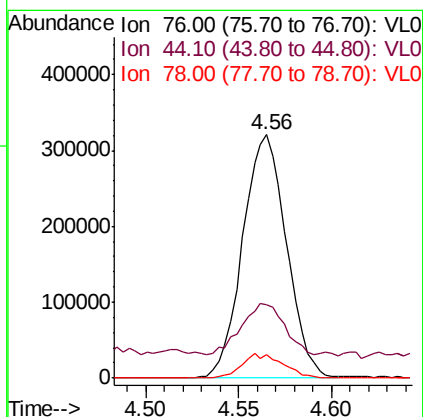
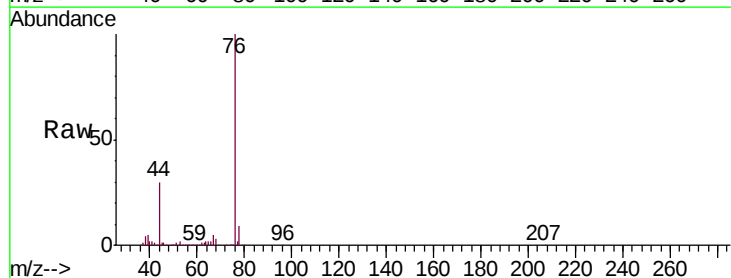
Instrument :
MSVOA_L
ClientSampleId :
SV-4

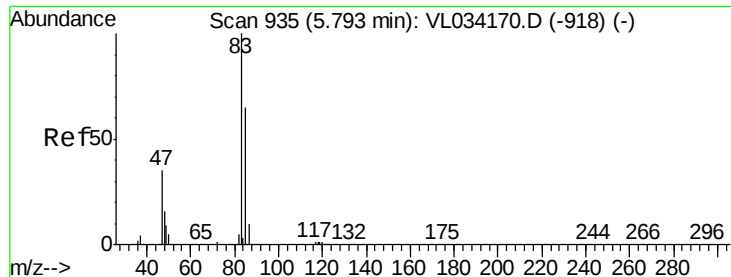
Tgt Ion	Resp	Lower	Upper
57	100		
41	108.9	78.5	117.7
43	81.2	189.5	284.3#
56	59.3	43.2	64.8



#27
Carbon Disulfide
Concen: 5.774 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion	Resp	Lower	Upper
76	100		
44	24.2	17.6	26.4
78	9.6	7.6	11.4

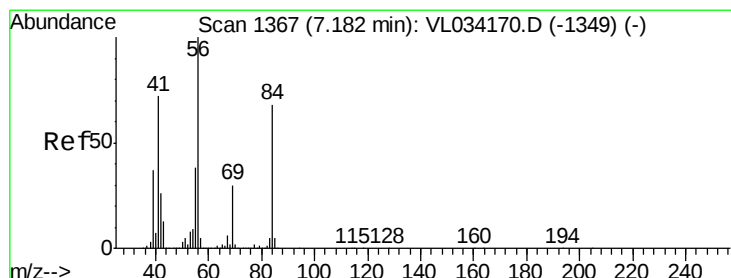
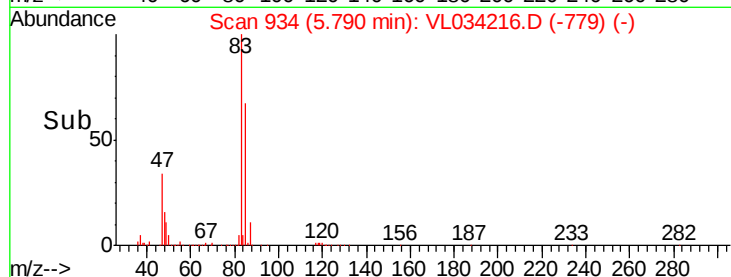
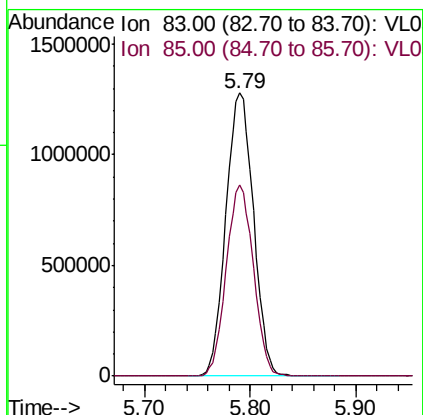
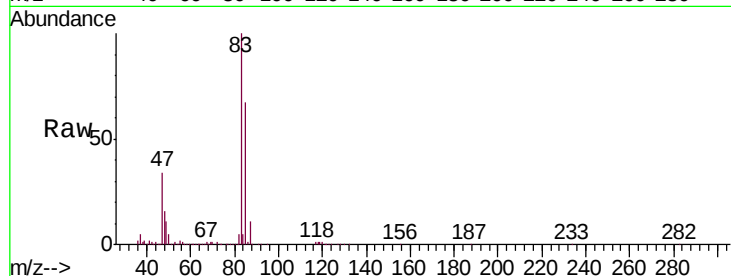




#29
Chloroform
Concen: 16.387 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

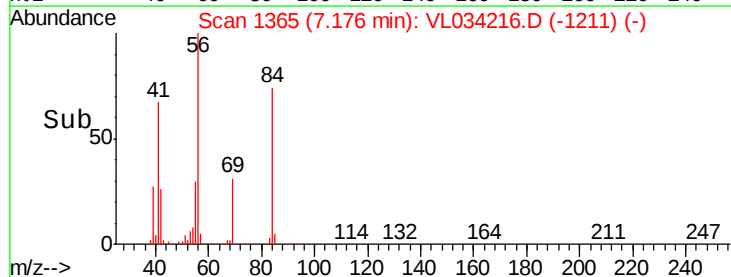
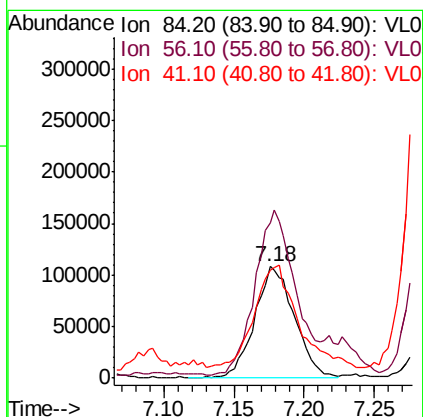
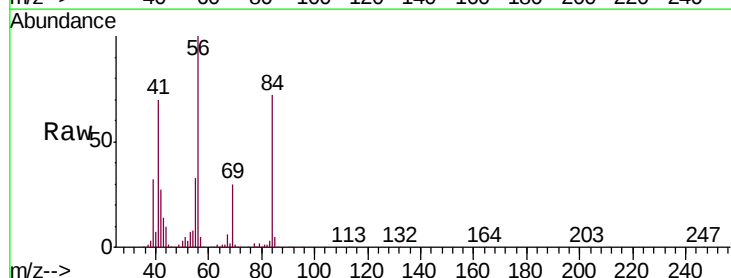
Instrument :
MSVOA_L
ClientSampled :
SV-4

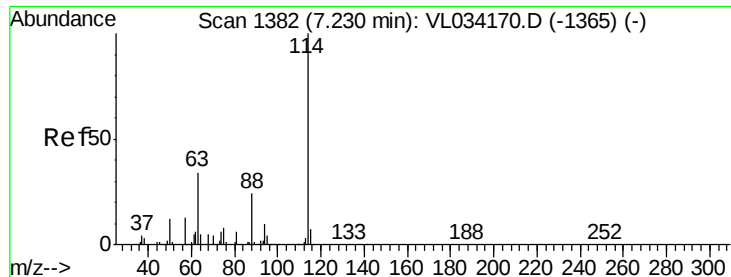
Tgt Ion: 83 Resp: 2315985
Ion Ratio Lower Upper
83 100
85 67.3 52.3 78.5



#30
Cyclohexane
Concen: 2.992 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 84 Resp: 213627
Ion Ratio Lower Upper
84 100
56 174.9 126.2 189.2
41 122.4 85.8 128.8

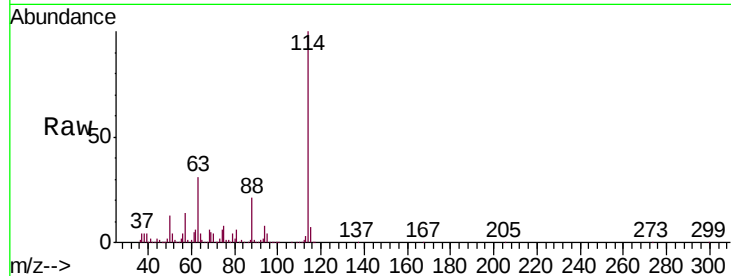




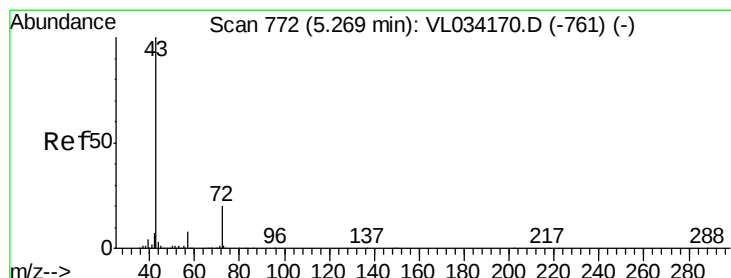
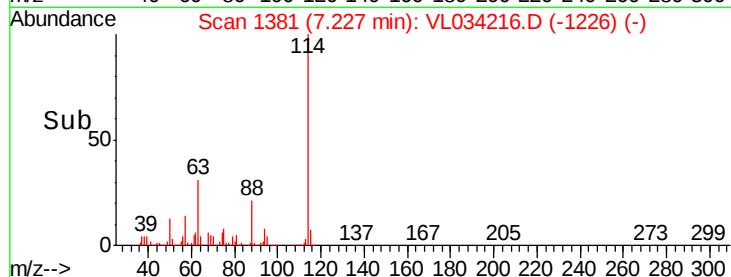
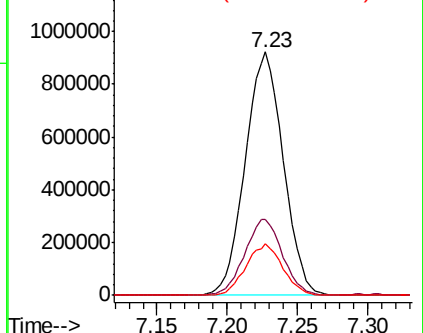
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Tgt Ion: 114 Resp: 1745703
 Ion Ratio Lower Upper
 114 100
 63 31.2 27.8 41.6
 88 20.5 17.1 25.7

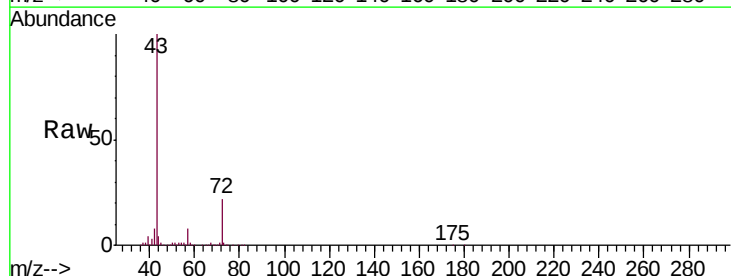


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

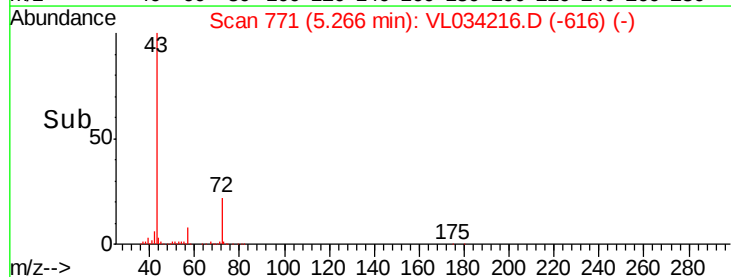
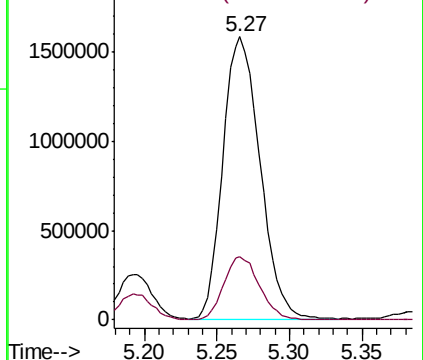


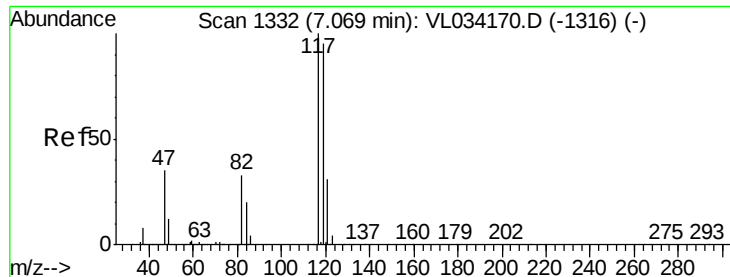
#34
 2-Butanone
 Concen: 15.720 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Tgt Ion: 43 Resp: 2802092
 Ion Ratio Lower Upper
 43 100
 72 21.5 15.0 22.6



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





#35

Carbon Tetrachloride

Concen: 0.051 ppbv

RT: 7.07 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

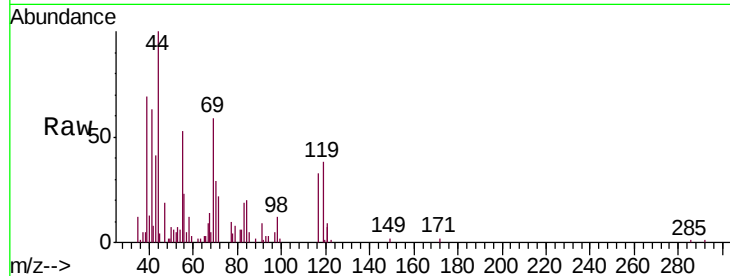
Tgt Ion:117 Resp: 7413

Ion Ratio Lower Upper

117 100

119 110.2 75.8 113.6

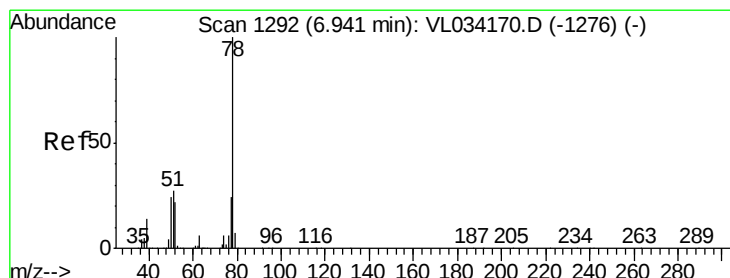
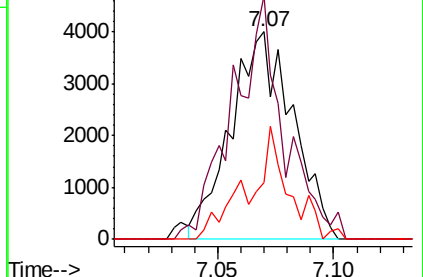
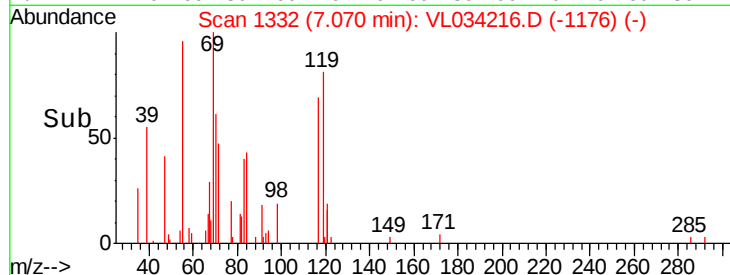
121 27.4 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 5.468 ppbv

RT: 6.93 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

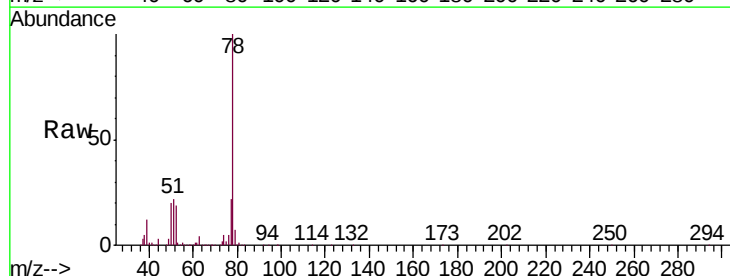
Tgt Ion: 78 Resp: 1054245

Ion Ratio Lower Upper

78 100

77 21.7 19.0 28.4

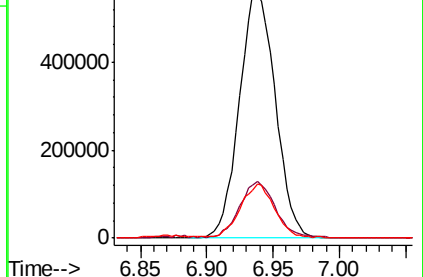
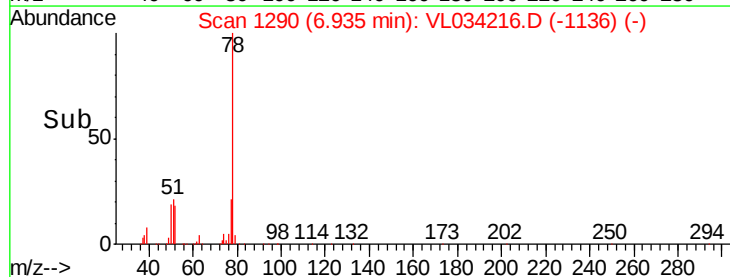
50 19.6 18.9 28.3

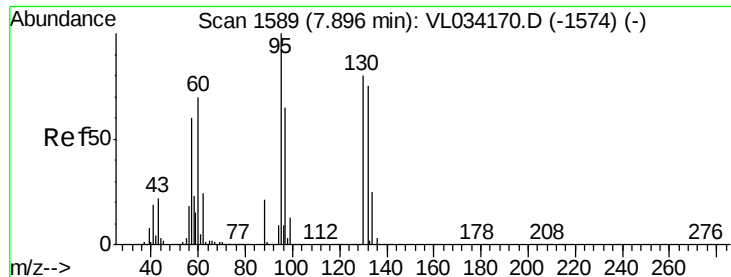


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.435 ppbv

RT: 7.89 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tgt Ion: 130 Resp: 29983

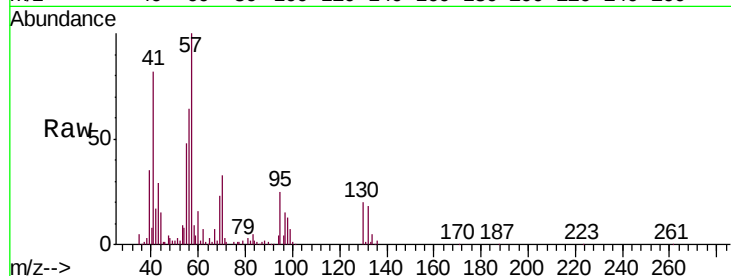
Ion Ratio Lower Upper

130 100

95 115.3 99.8 149.6

132 83.5 75.2 112.8

97 61.4 65.0 97.4#

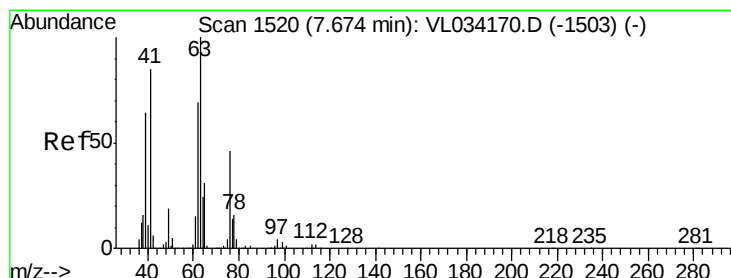
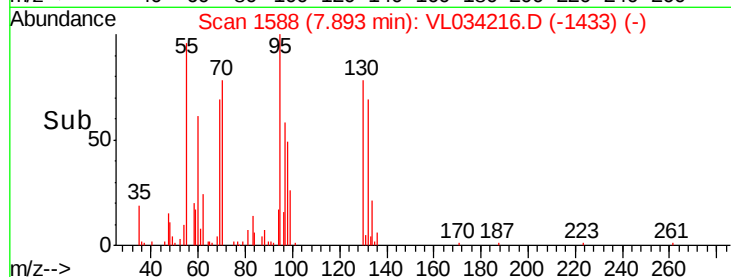
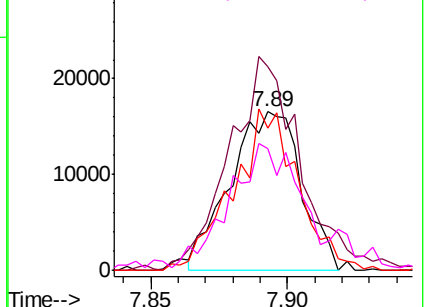


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 6.123 ppbv

RT: 7.22 min Scan# 1380

Delta R.T. -0.45 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

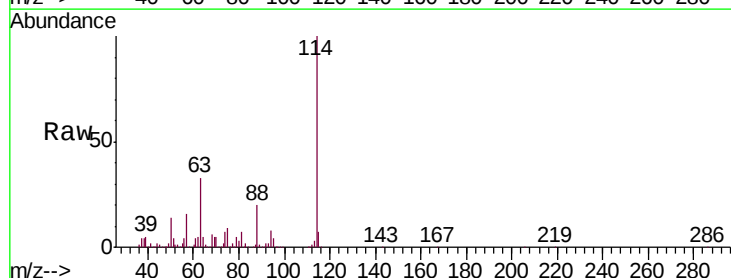
Tgt Ion: 63 Resp: 530428

Ion Ratio Lower Upper

63 100

41 0.0 68.4 102.6#

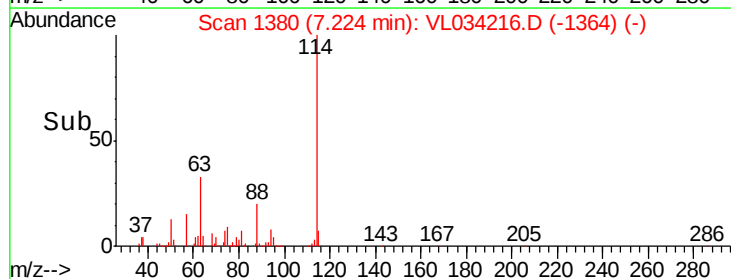
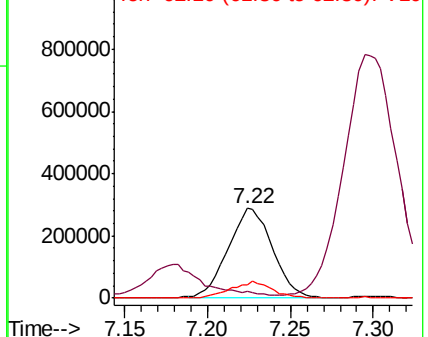
62 15.3 55.4 83.2#

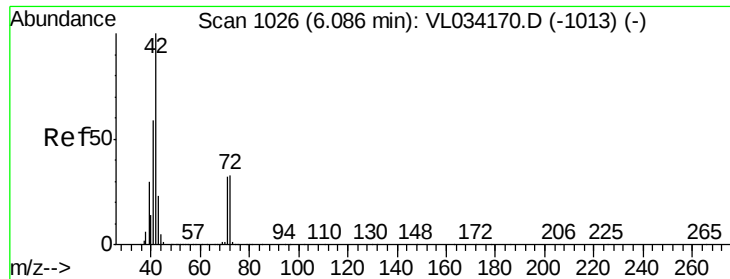


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.183 ppbv

RT: 6.09 min Scan# 1026

Delta R.T. 0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

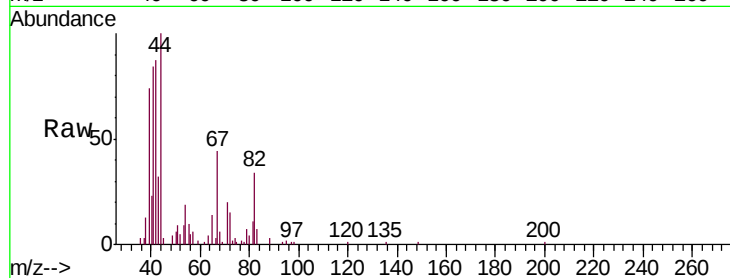
Tgt Ion: 42 Resp: 18337

Ion Ratio Lower Upper

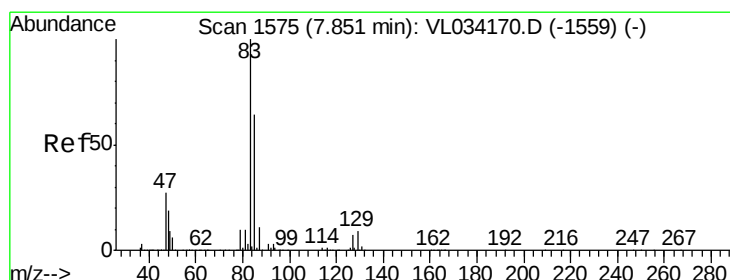
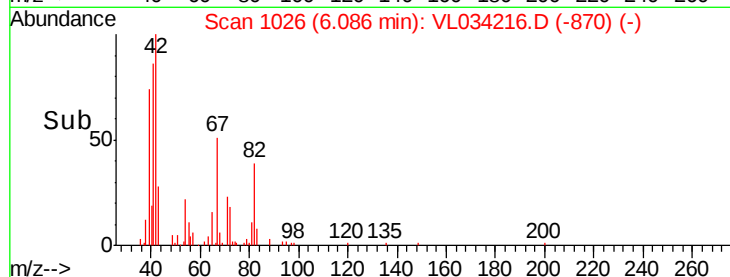
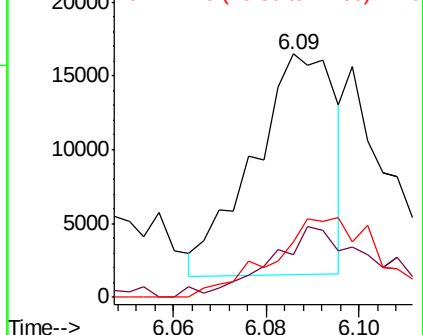
42 100

72 47.5 26.6 40.0#

71 0.0 25.1 37.7#



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: 0.349 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

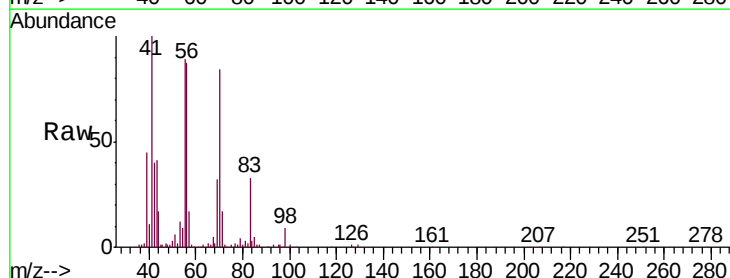
Tgt Ion: 83 Resp: 57510

Ion Ratio Lower Upper

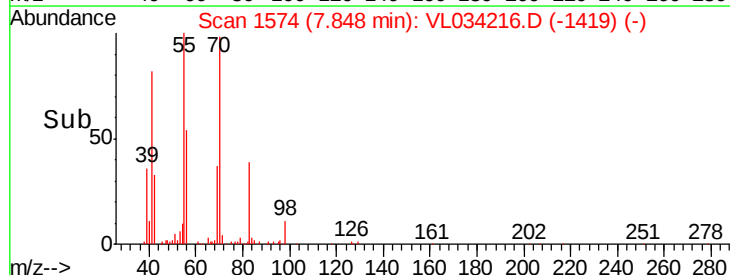
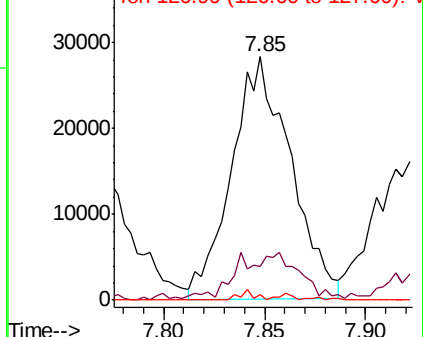
83 100

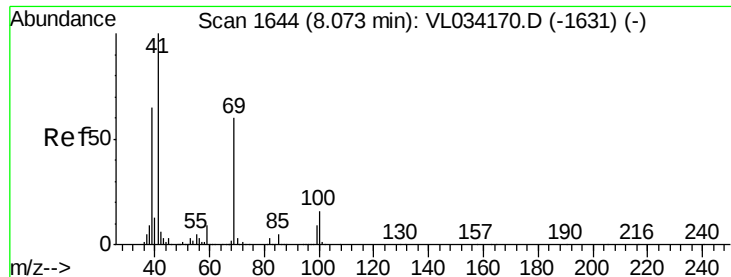
85 13.0 51.4 77.0#

127 2.6 5.5 8.3#



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

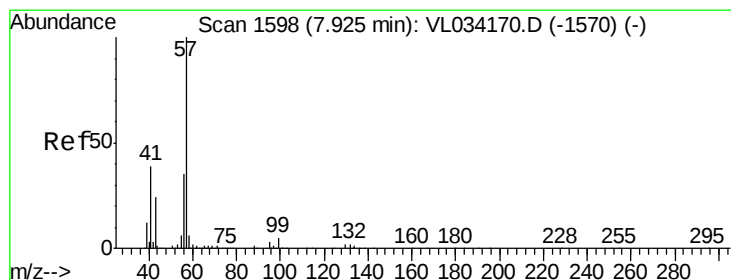
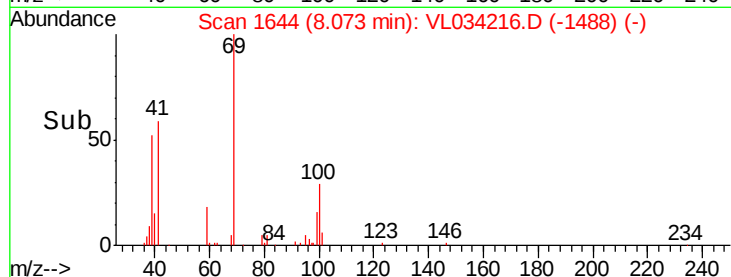
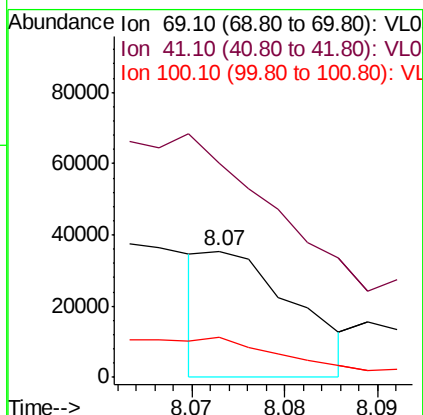
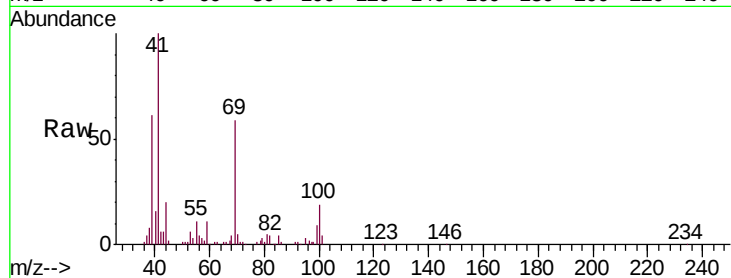




#43
Methyl Methacrylate
Concen: 0.296 ppbv
RT: 8.07 min Scan# 1644
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

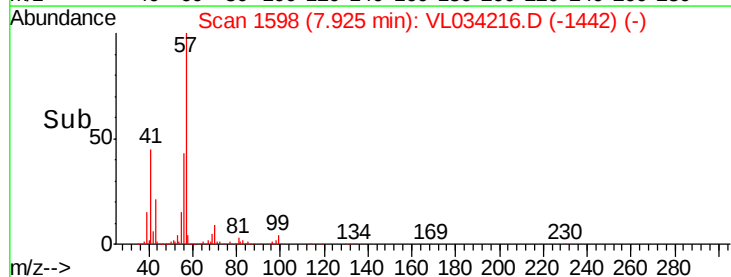
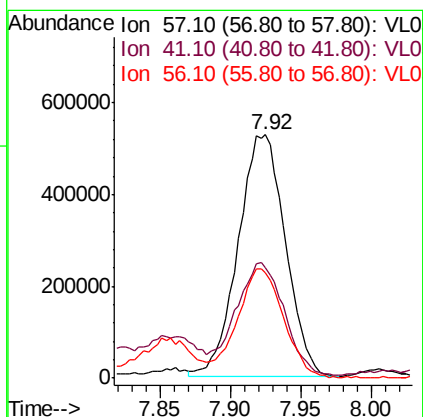
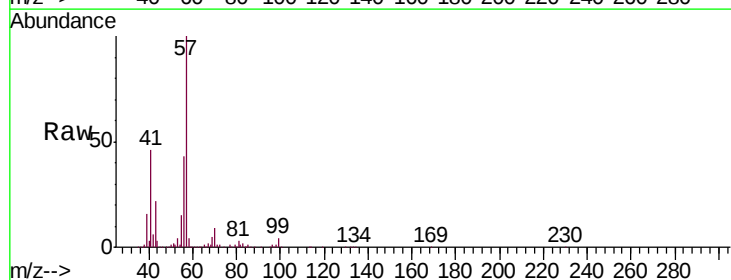
Instrument :
MSVOA_L
ClientSampled :
SV-4

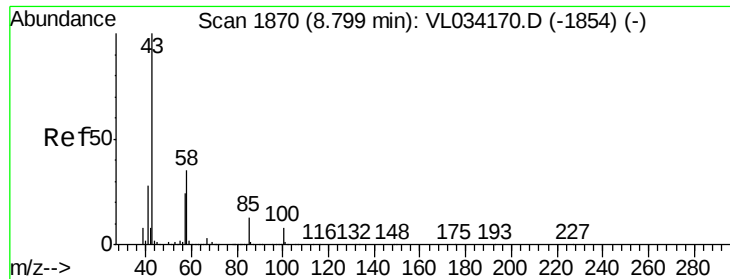
Tgt Ion: 69 Resp: 23593
Ion Ratio Lower Upper
69 100
41 742.6 140.4 210.6#
100 92.5 21.9 32.9#



#44
2,2,4-Trimethylpentane
Concen: 3.312 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 57 Resp: 1229260
Ion Ratio Lower Upper
57 100
41 49.0 29.8 44.6#
56 44.0 25.9 38.9#

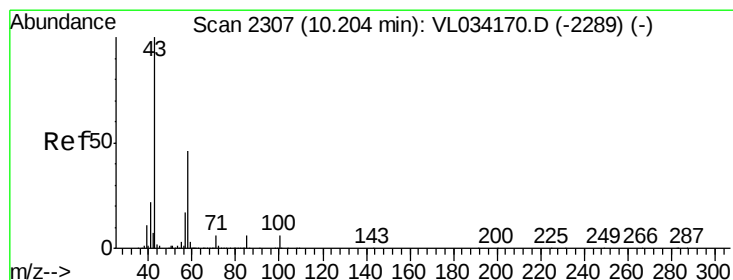
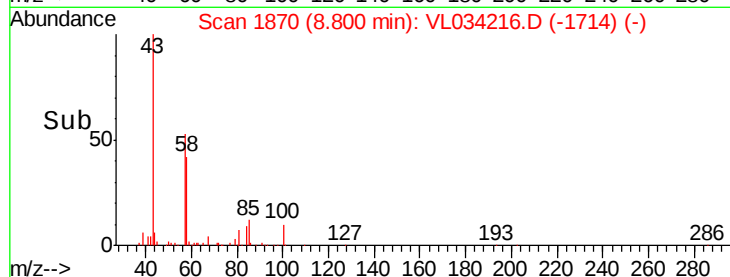
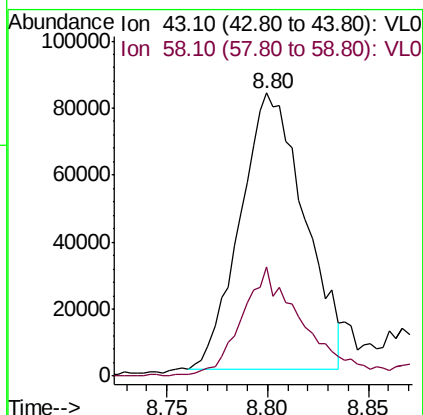
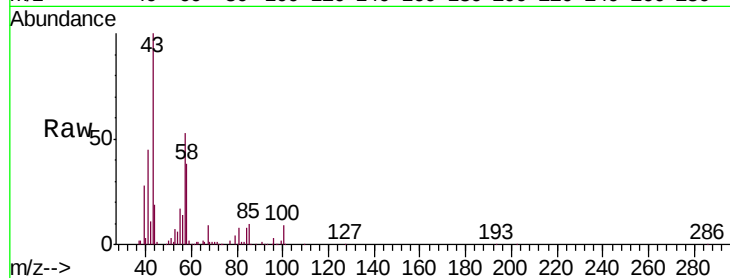




#50
 4-Methyl-2-Pentanone
 Concen: 0.710 ppbv
 RT: 8.80 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

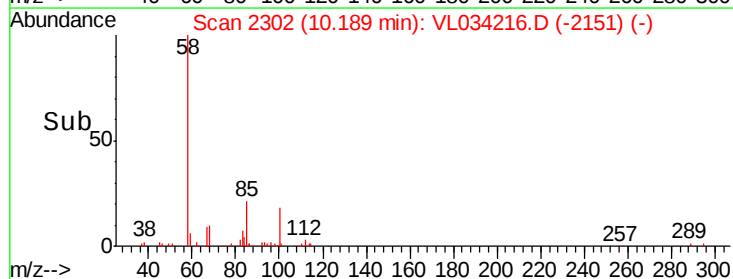
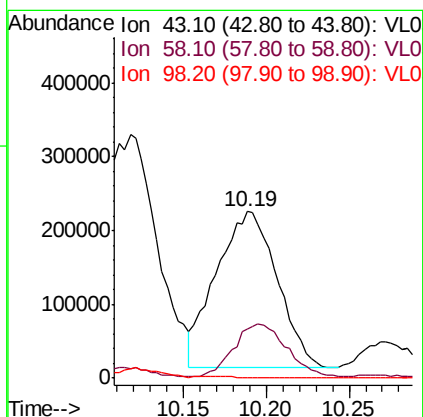
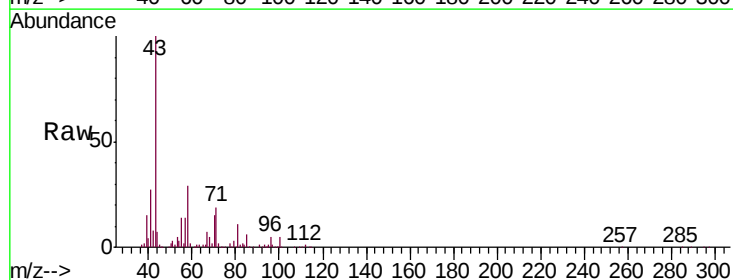
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

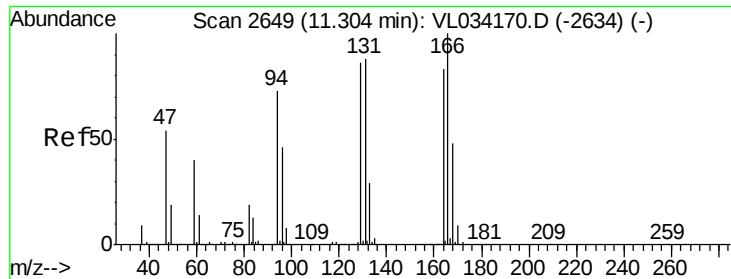
Tgt Ion: 43 Resp: 184084
 Ion Ratio Lower Upper
 43 100
 58 40.7 27.6 41.4



#51
 2-Hexanone
 Concen: 2.500 ppbv
 RT: 10.19 min Scan# 2302
 Delta R.T. -0.02 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Tgt Ion: 43 Resp: 544262
 Ion Ratio Lower Upper
 43 100
 58 29.0 36.2 54.4#
 98 0.7 0.2 0.2#





#52

Tetrachloroethene

Concen: 20.838 ppbv

RT: 11.30 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tgt Ion:164 Resp: 1327356

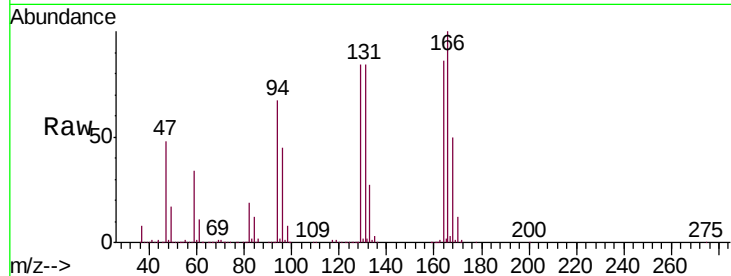
Ion Ratio Lower Upper

164 100

166 115.9 96.7 145.1

129 97.9 82.8 124.2

131 96.7 85.0 127.6

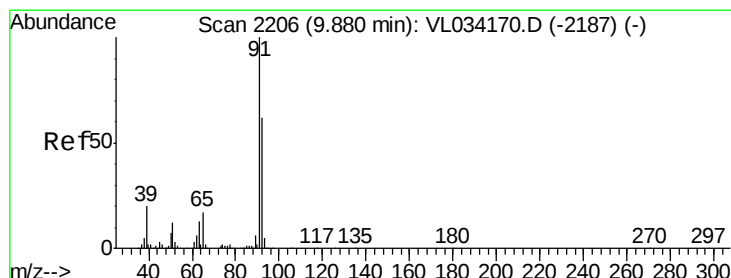
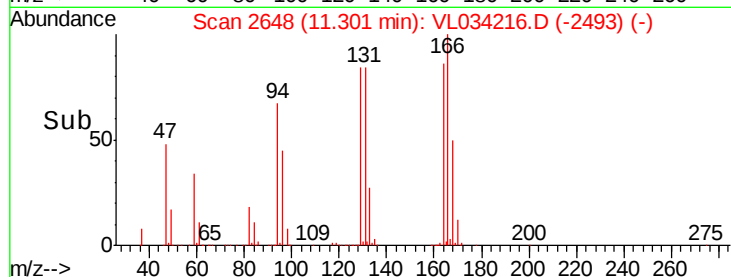
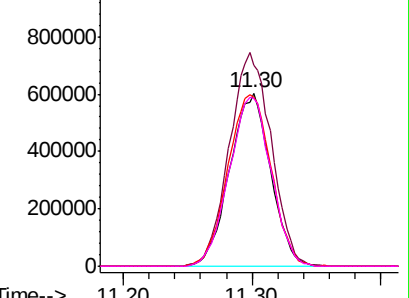


Abundance Ion 163.90 (163.60 to 164.60): V

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: 13.059 ppbv

RT: 9.87 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VL034216.D

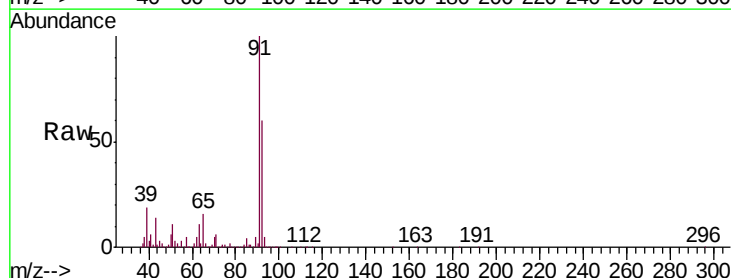
Acq: 2 Oct 2019 18:32

Tgt Ion: 91 Resp: 2751726

Ion Ratio Lower Upper

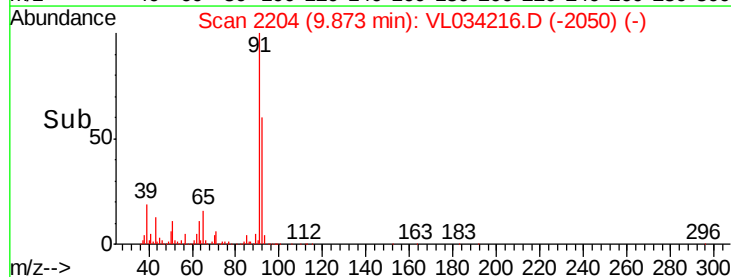
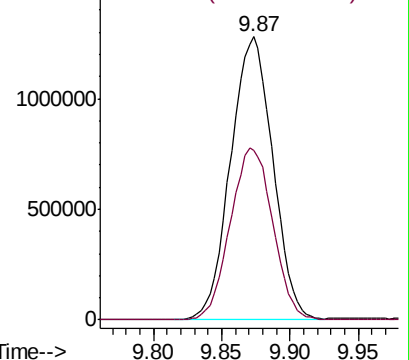
91 100

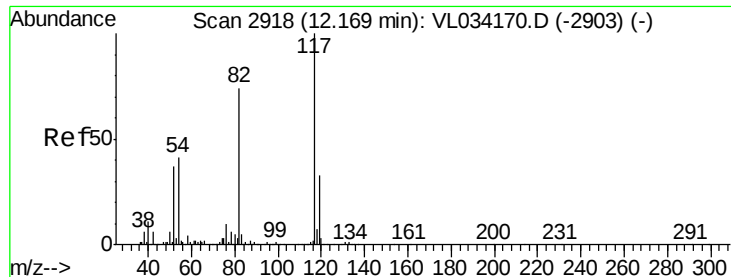
92 61.1 49.0 73.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

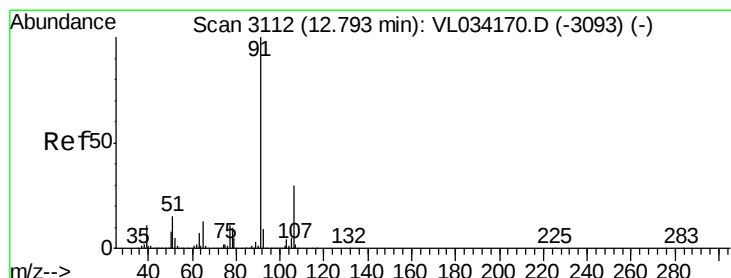
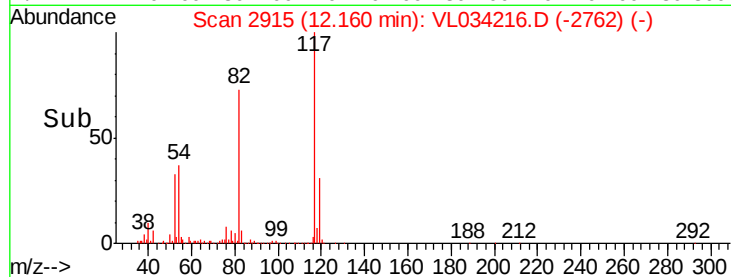
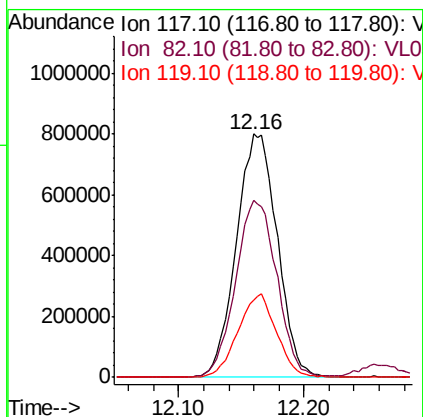
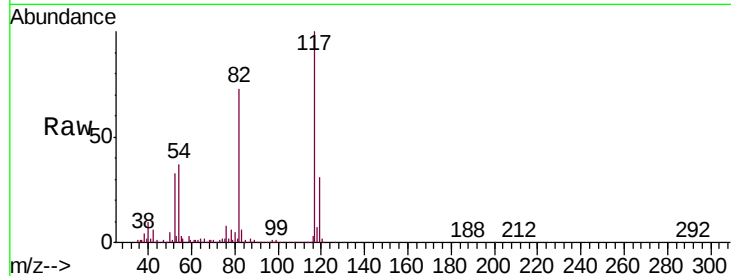




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

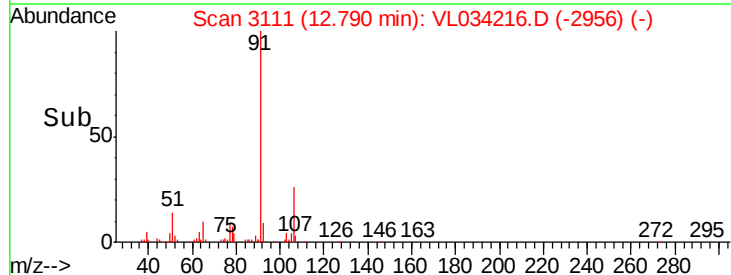
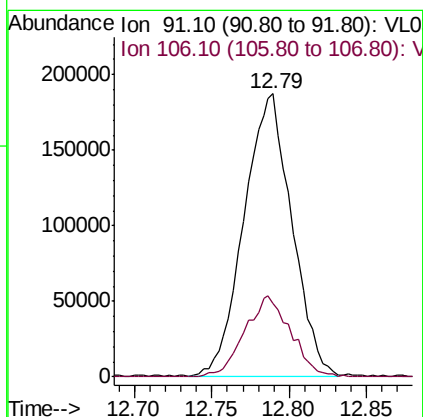
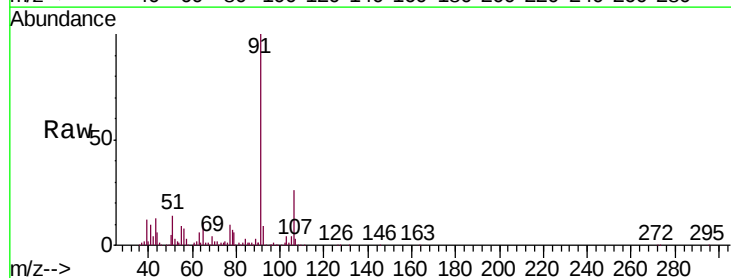
Instrument :
MSVOA_L
ClientSampleId :
SV-4

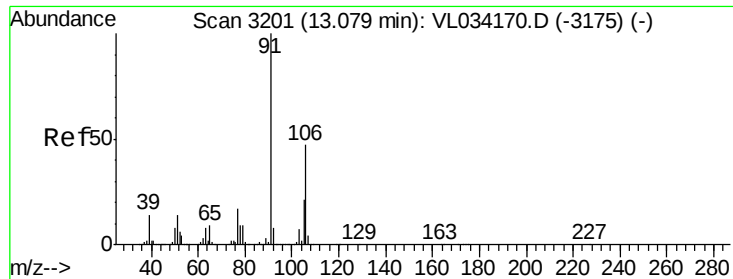
Tgt Ion:117 Resp: 1809810
Ion Ratio Lower Upper
117 100
82 73.5 58.2 87.4
119 32.5 23.7 35.5



#58
Ethyl Benzene
Concen: 1.372 ppbv
RT: 12.79 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 91 Resp: 400641
Ion Ratio Lower Upper
91 100
106 26.1 24.2 36.4

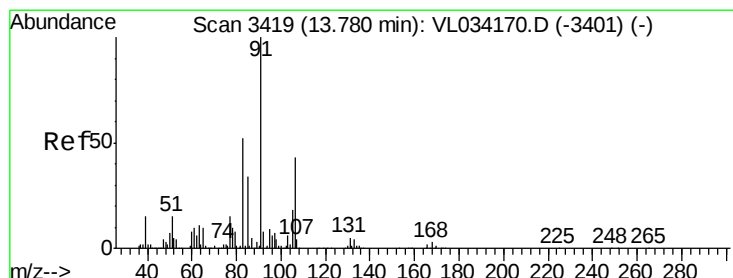
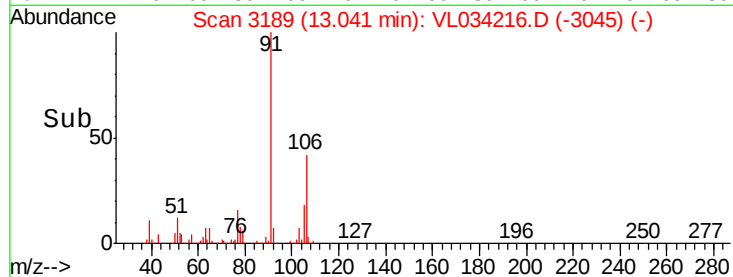
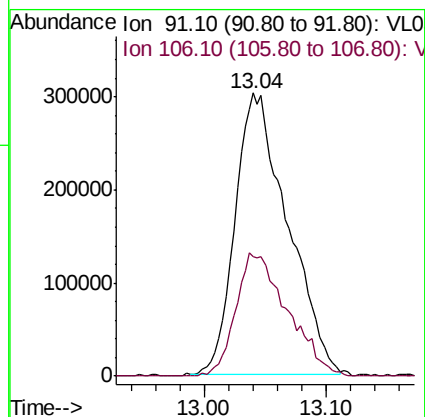
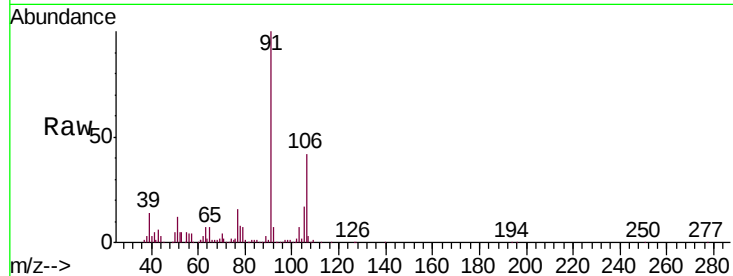




#59
m/p-Xylene
Concen: 3.736 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

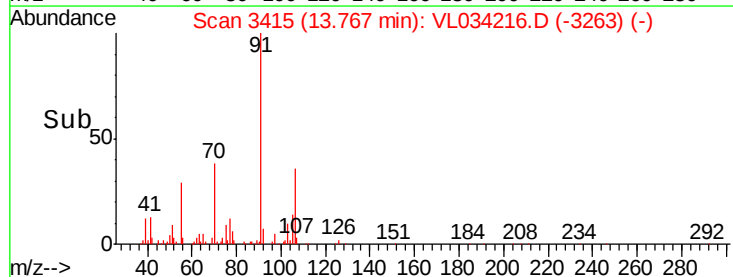
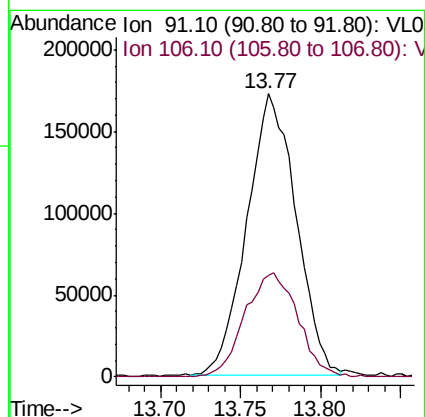
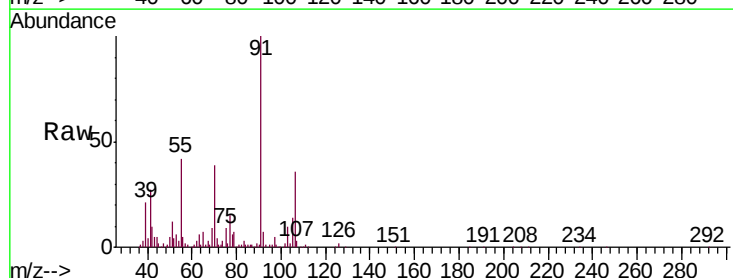
Instrument :
MSVOA_L
ClientSampleId :
SV-4

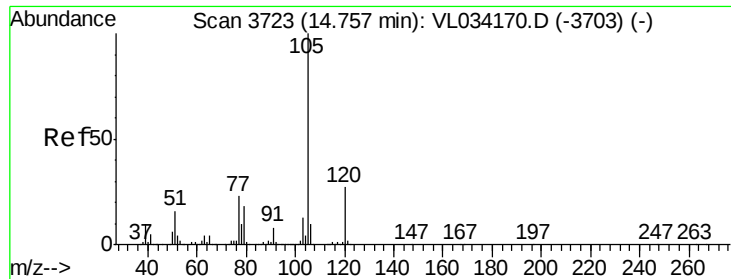
Tgt Ion: 91 Resp: 903563
Ion Ratio Lower Upper
91 100
106 43.0 35.5 53.3



#60
o-Xylene
Concen: 1.500 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 91 Resp: 362711
Ion Ratio Lower Upper
91 100
106 40.2 21.2 63.6





#62

Isopropylbenzene

Concen: 0.066 ppbv

RT: 14.75 min Scan# 3721

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampled :

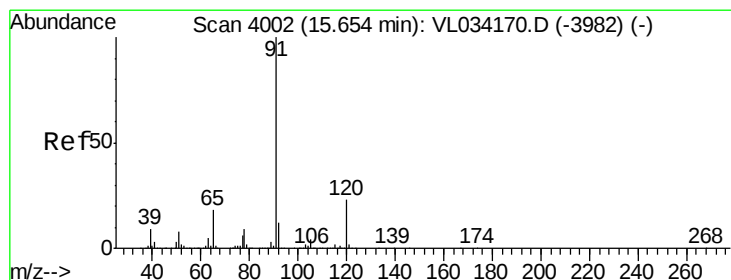
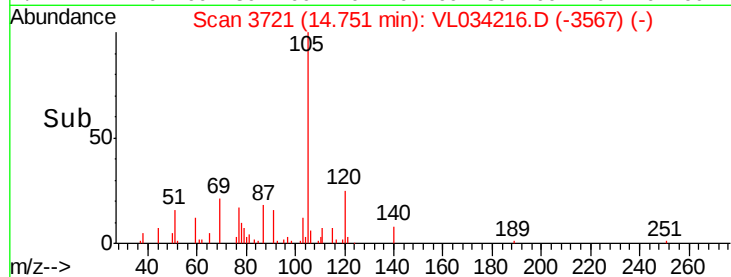
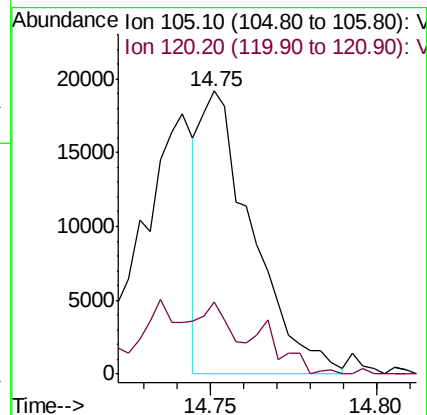
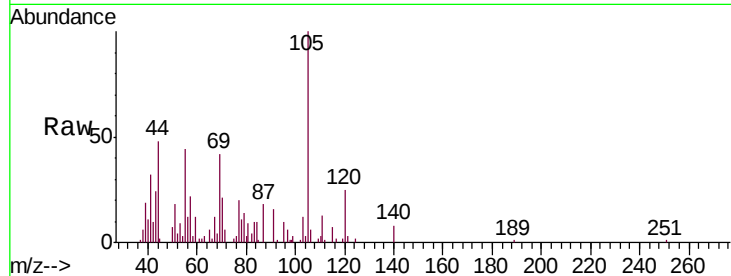
SV-4

Tgt Ion:105 Resp: 20773

Ion Ratio Lower Upper

105 100

120 0.0 20.7 31.1#



#64

n-propylbenzene

Concen: 0.327 ppbv

RT: 15.64 min Scan# 3997

Delta R.T. -0.02 min

Lab File: VL034216.D

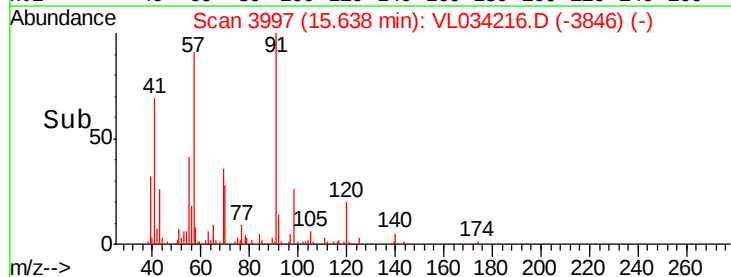
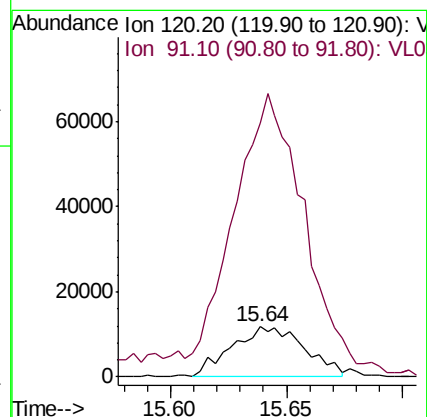
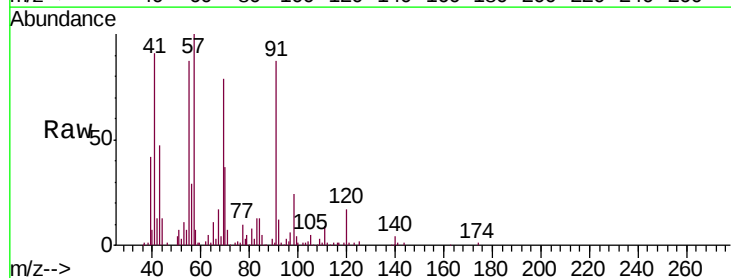
Acq: 2 Oct 2019 18:32

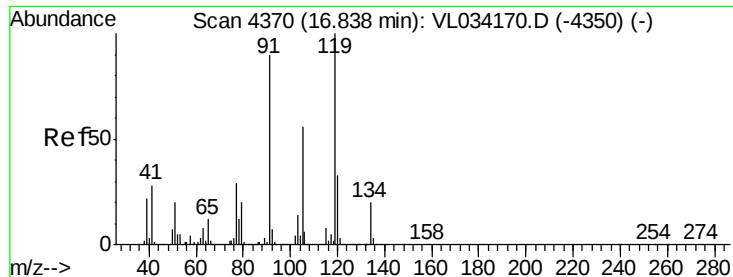
Tgt Ion:120 Resp: 25934

Ion Ratio Lower Upper

120 100

91 598.2 378.2 567.2#

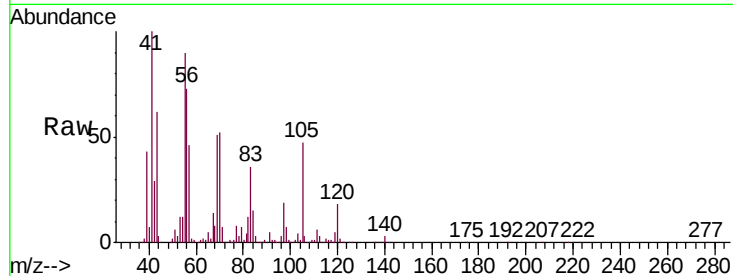




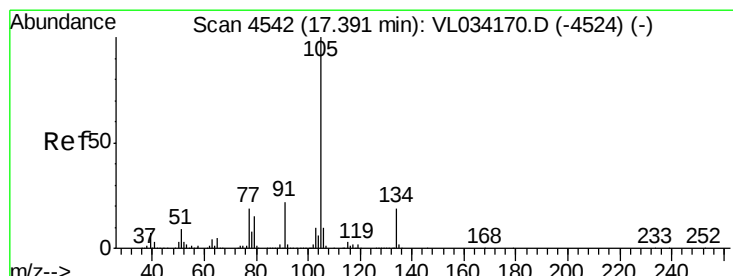
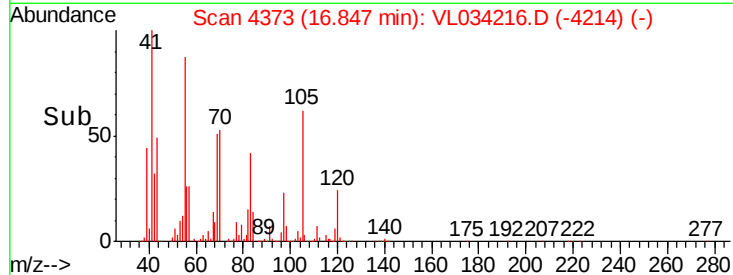
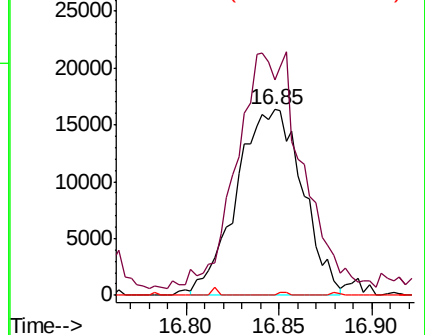
#65
tert-Butylbenzene
Concen: 0.148 ppbv
RT: 16.85 min Scan# 4373
Delta R.T. 0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampled :
SV-4

Tgt Ion:119 Resp: 40481
Ion Ratio Lower Upper
119 100
91 125.1 74.9 112.3#
134 0.4 15.8 23.6#

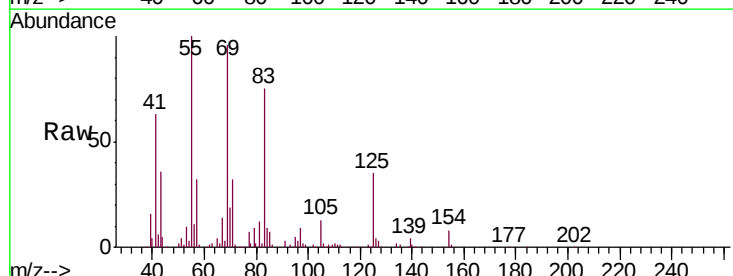


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

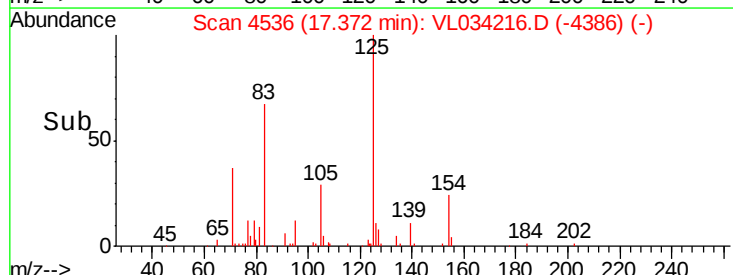
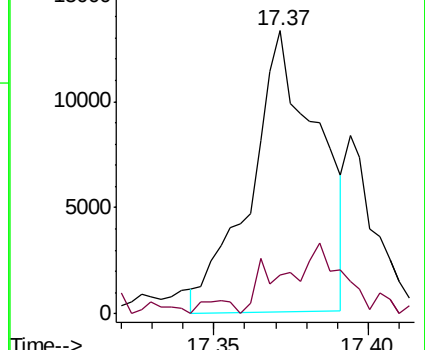


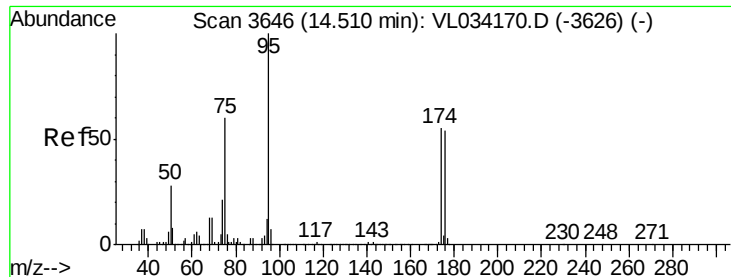
#67
sec-Butylbenzene
Concen: 0.051 ppbv
RT: 17.37 min Scan# 4536
Delta R.T. -0.02 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion:105 Resp: 19903
Ion Ratio Lower Upper
105 100
134 0.0 14.6 22.0#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

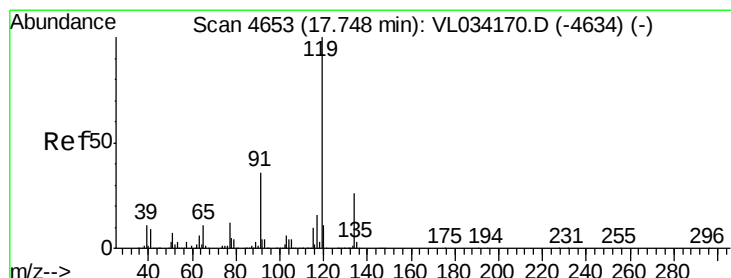
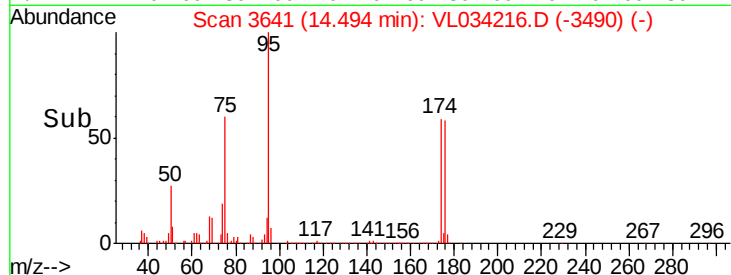
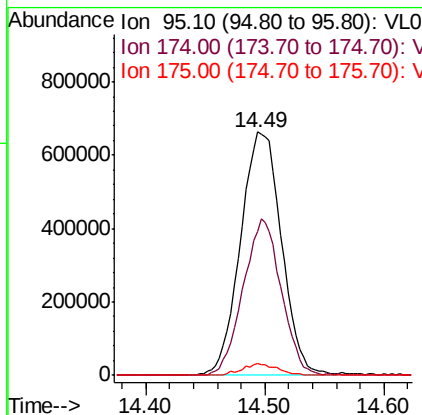
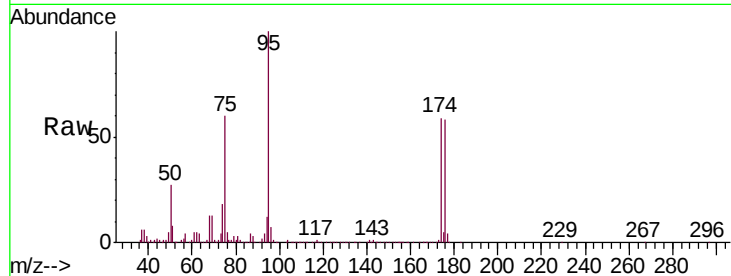




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.022 ppbv
 RT: 14.49 min Scan# 3641
 Delta R.T. -0.02 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

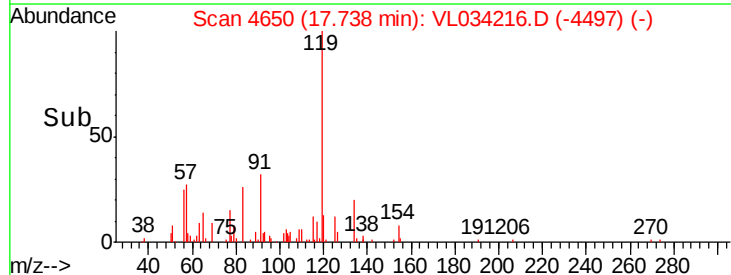
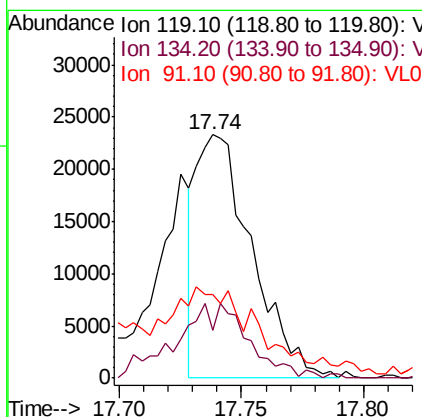
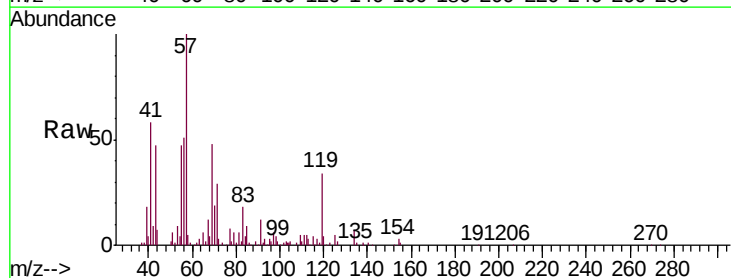
Instrument :
 MSVOA_L
 ClientSampleID :
 SV-4

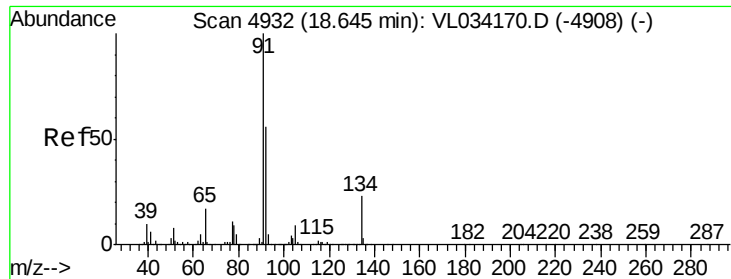
Tgt Ion: 95 Resp: 1576133
 Ion Ratio Lower Upper
 95 100
 174 59.9 45.1 67.7
 175 4.3 3.3 4.9



#69
 p-Isopropyltoluene
 Concen: 0.116 ppbv
 RT: 17.74 min Scan# 4650
 Delta R.T. -0.01 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Tgt Ion: 119 Resp: 36721
 Ion Ratio Lower Upper
 119 100
 134 40.6 20.6 30.8#
 91 54.1 27.6 41.4#





#70

n-Butylbenzene

Concen: 0.036 ppbv

RT: 18.63 min Scan# 4927

Delta R.T. -0.02 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

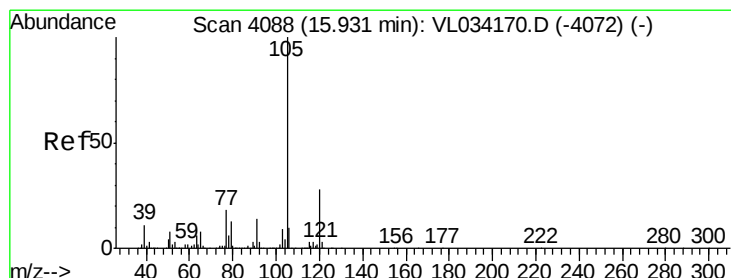
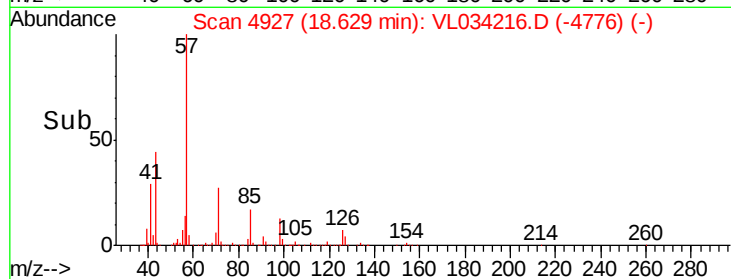
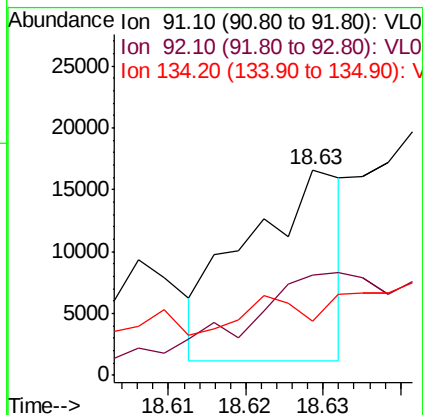
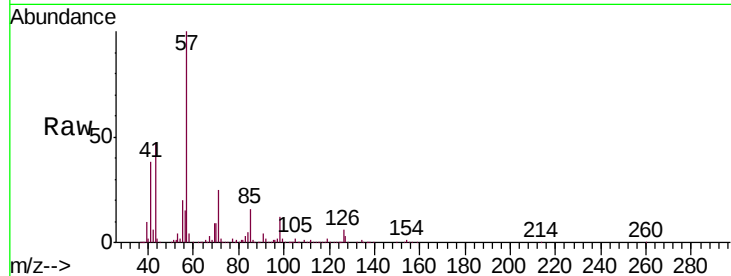
Tgt Ion: 91 Resp: 13370

Ion Ratio Lower Upper

91 100

92 161.7 44.8 67.2#

134 0.0 17.3 25.9#



#72

4-Ethyltoluene

Concen: 0.484 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Tgt Ion: 105 Resp: 132170

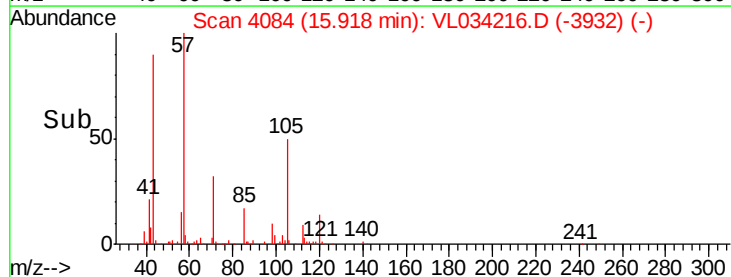
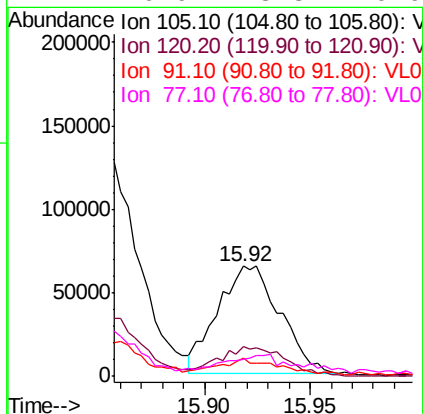
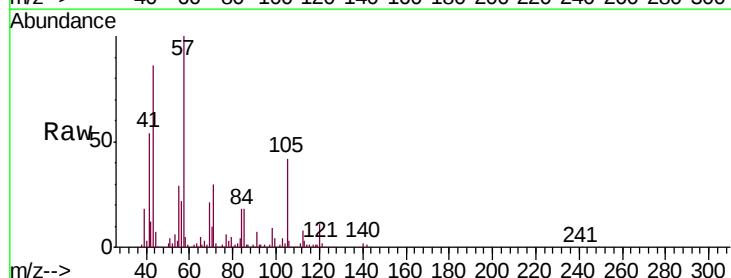
Ion Ratio Lower Upper

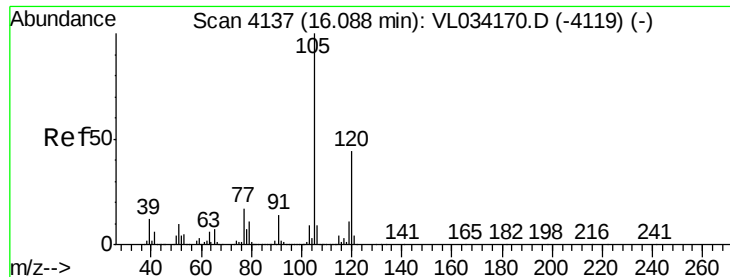
105 100

120 29.5 23.3 34.9

91 14.7 11.4 17.2

77 20.9 13.3 19.9#

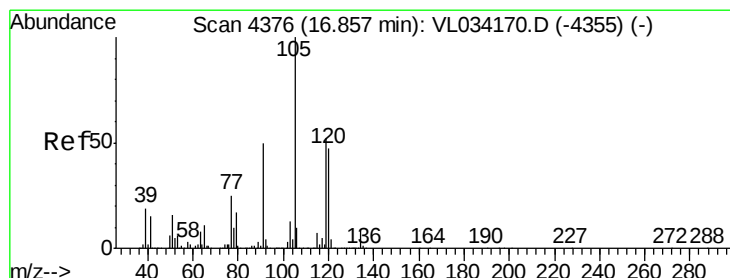
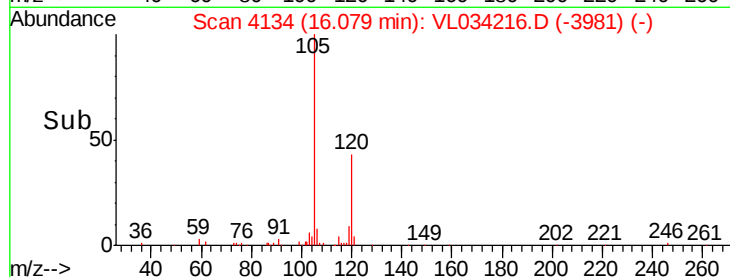
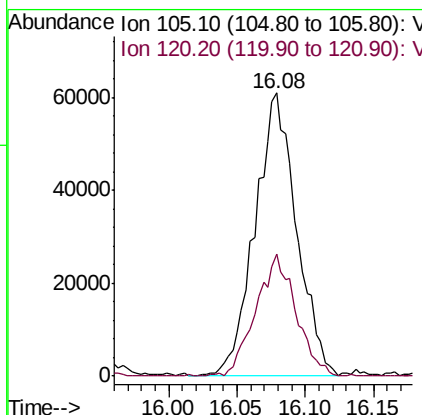
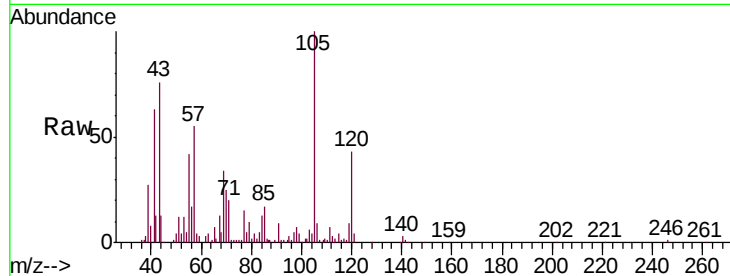




#73
 1,3,5-Trimethylbenzene
 Concen: 0.488 ppbv
 RT: 16.08 min Scan# 4134
 Delta R.T. -0.01 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

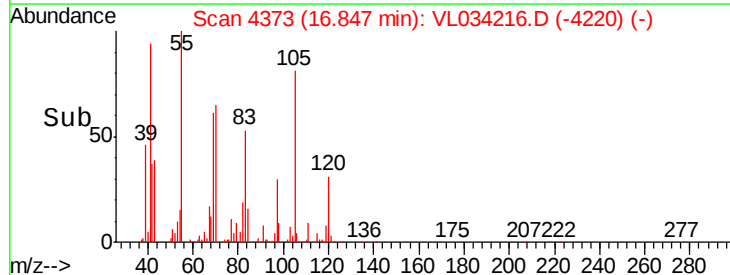
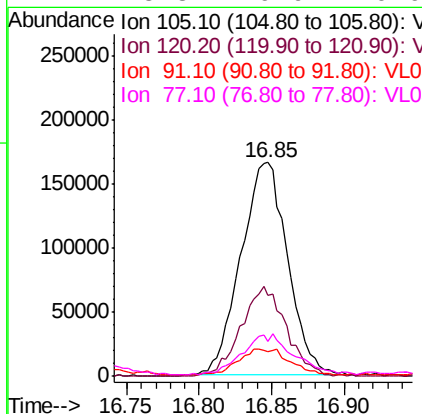
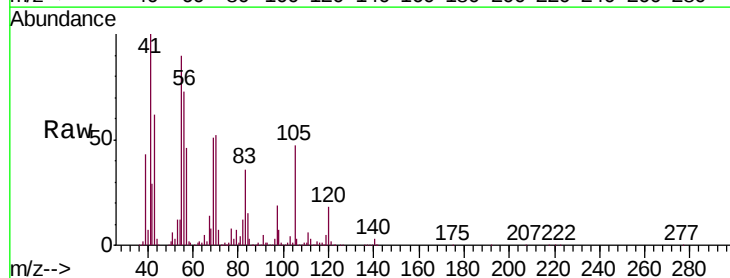
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

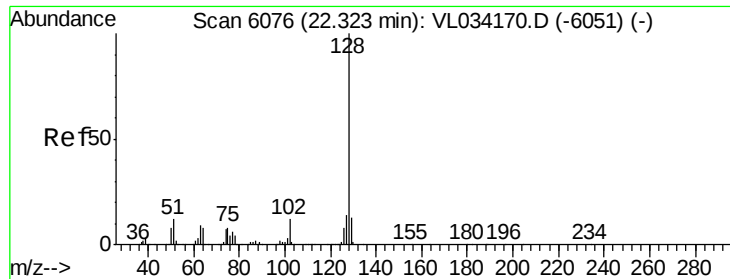
Tgt Ion:105 Resp: 128951
 Ion Ratio Lower Upper
 105 100
 120 43.1 35.6 53.4



#74
 1,2,4-Trimethylbenzene
 Concen: 1.337 ppbv
 RT: 16.85 min Scan# 4373
 Delta R.T. -0.01 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Tgt Ion:105 Resp: 374865
 Ion Ratio Lower Upper
 105 100
 120 37.8 37.5 56.3
 91 10.6 41.1 61.7#
 77 15.8 19.9 29.9#





#79

Naphthalene

Concen: 0.047 ppbv

RT: 22.30 min Scan# 6070

Delta R.T. -0.02 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tgt Ion:128 Resp: 11655

Ion Ratio Lower Upper

128 100

127 6.7 11.1 16.7#

129 5.8 10.2 15.4#

