

Data File : VL032894.D
Acq On : 5 Dec 2018 2:38
Operator : SY/AP
Sample : J6176-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Quant Time: Dec 05 05:53:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1294746	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3478782	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3485920	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 2511082 9.63 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 96.30%

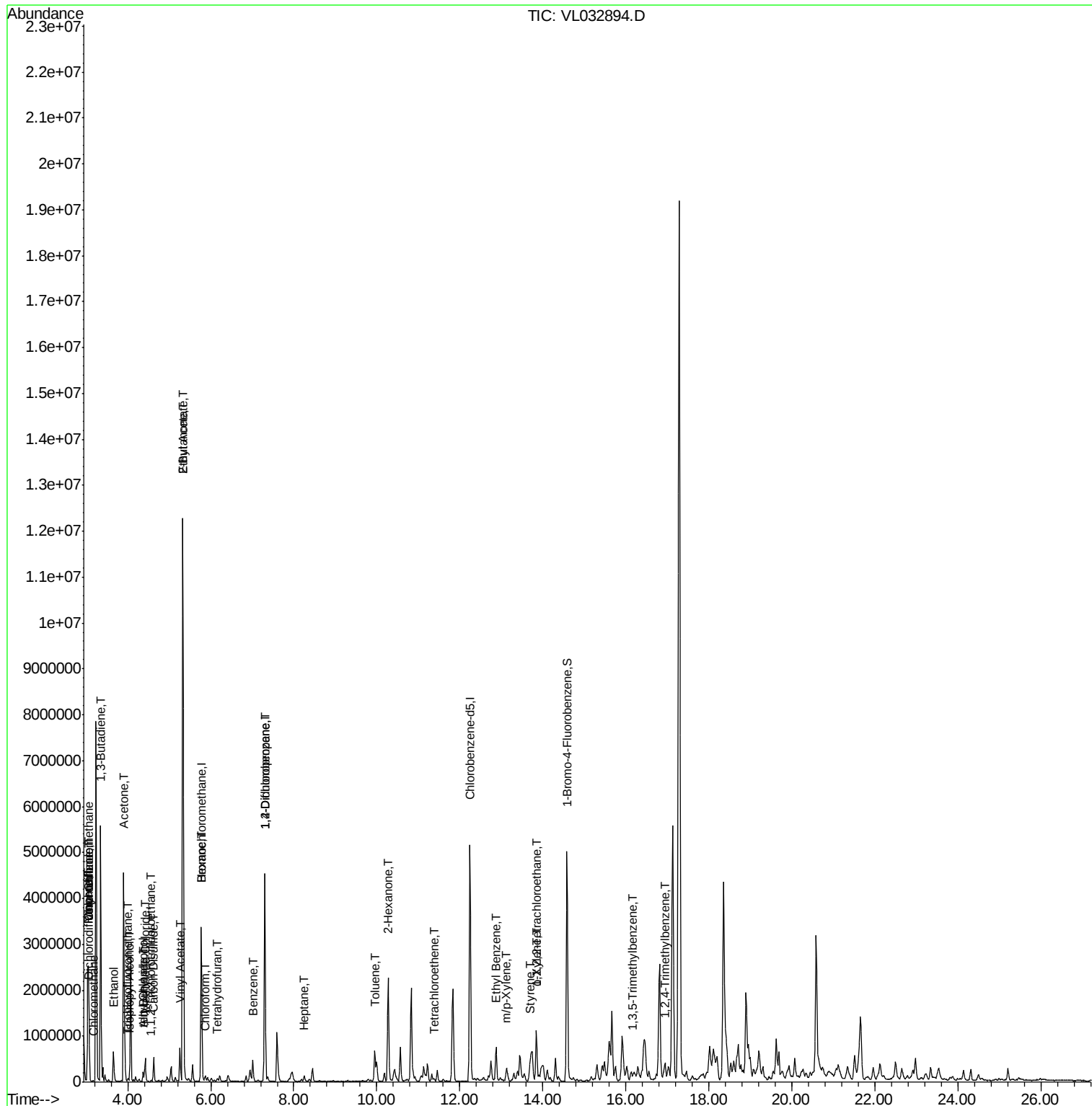
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	85892	0.462	ppbv	95
3) Chlorodifluoromethane	3.06	51	952720	9.281	ppbv #	56
4) Chloromethane	3.17	50	13583	0.239	ppbv	89
5) Vinyl Chloride	3.05	62	19715	0.327	ppbv #	1
9) Propene	3.04	41	919928	22.395	ppbv	98
10) Heptane	8.25	43	52812	0.337	ppbv	99
11) Trichlorofluoromethane	4.01	101	38093	0.217	ppbv #	83
12) 1,1,2-Trichlorotrifluoroet	4.56	101	7953	0.056	ppbv	89
13) Ethanol	3.66	45	689383	51.237	ppbv	99
15) Acetone	3.90	43	4452863	37.660	ppbv #	73
16) 1,3-Butadiene	3.35	39	1310363	28.617	ppbv #	12
17) tert-Butyl alcohol	4.37	59	169646	4.575	ppbv	96
19) Isopropyl Alcohol	4.03	45	11491	0.146	ppbv #	95
20) Methylene Chloride	4.42	84	169515	2.769	ppbv	98
21) Allyl Chloride	4.37	41	55167	0.555	ppbv #	64
23) Vinyl Acetate	5.26	43	235816	1.094	ppbv #	8
25) Ethyl Acetate	5.33	43	14878340	53.989	ppbv #	76
26) Hexane	5.78	57	167441	1.365	ppbv #	1
27) Carbon Disulfide	4.62	76	597102	3.839	ppbv	98
29) Chloroform	5.86	83	19789	0.091	ppbv	90
34) 2-Butanone	5.33	43	14878340	82.460	ppbv #	89
36) Benzene	7.01	78	386277	1.394	ppbv	95
39) 1,2-Dichloropropane	7.30	63	805437	7.631	ppbv #	23
41) Tetrahydrofuran	6.16	42	18374	0.178	ppbv #	39
51) 2-Hexanone	10.27	43	1957526	10.782	ppbv #	98
52) Tetrachloroethene	11.38	164	12608	0.131	ppbv #	80
53) Toluene	9.95	91	528659	1.829	ppbv	99
58) Ethyl Benzene	12.87	91	110958	0.264	ppbv	95
59) m/p-Xylene	13.13	91	230356	0.617	ppbv #	83
60) o-Xylene	13.85	91	123128	0.328	ppbv	97
61) Styrene	13.69	104	70809	0.290	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.85	83	30123	0.103	ppbv #	25
73) 1,3,5-Trimethylbenzene	16.16	105	29918	0.074	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	98873	0.230	ppbv #	65

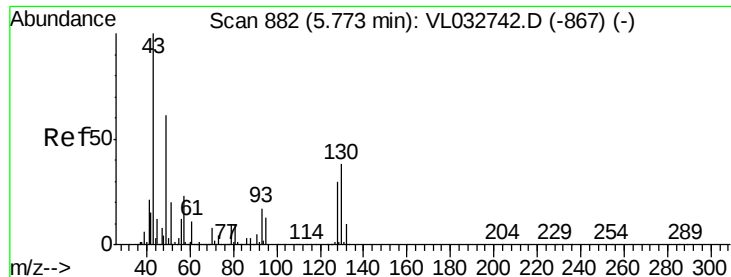
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

MMSV-08

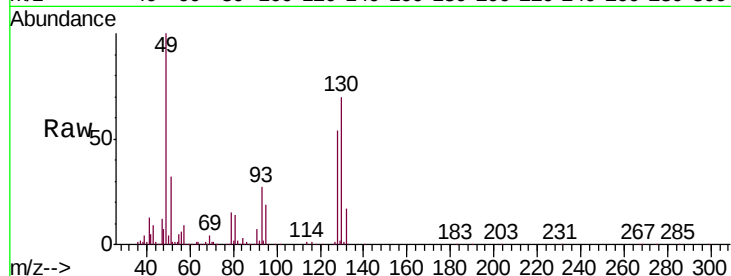
Tgt Ion: 49 Resp: 1294746

Ion Ratio Lower Upper

49 100

128 52.3 24.9 74.6

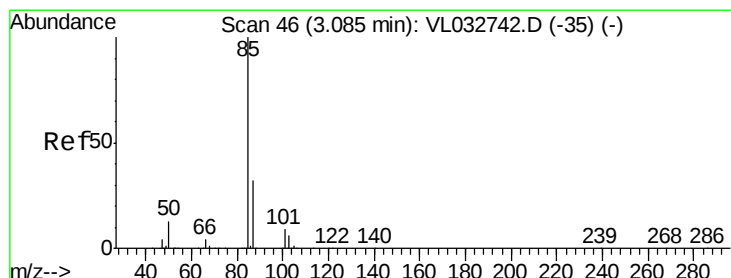
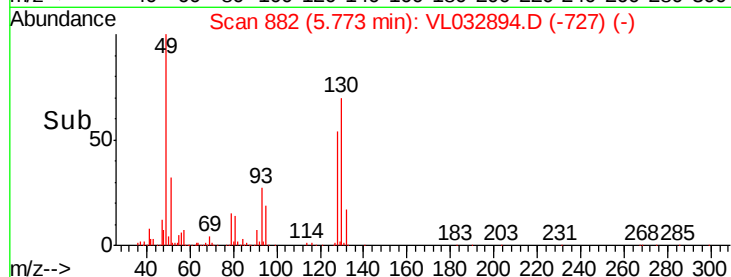
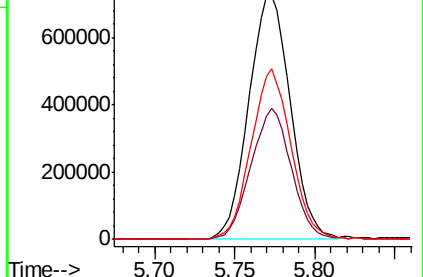
130 67.6 31.4 94.2



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: 0.462 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032894.D

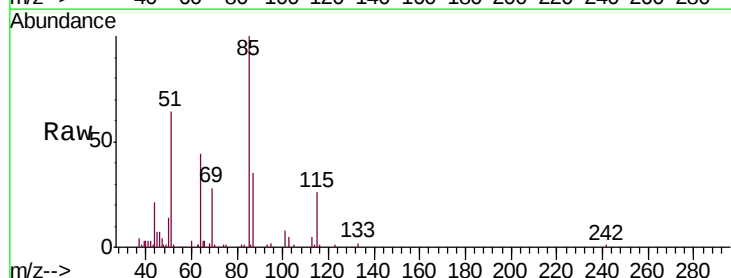
Acq: 5 Dec 2018 2:38

Tgt Ion: 85 Resp: 85892

Ion Ratio Lower Upper

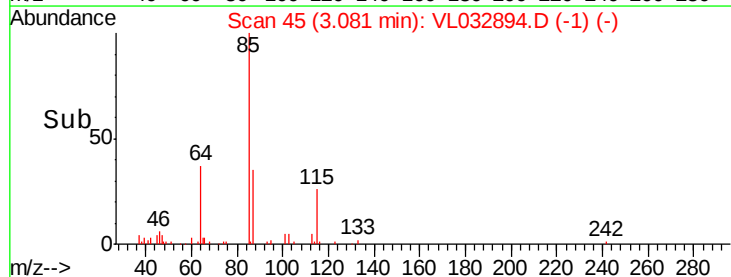
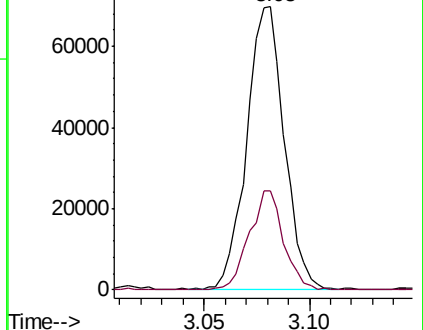
85 100

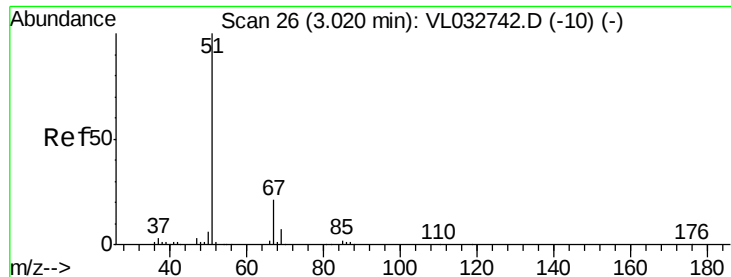
87 35.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.281 ppbv

RT: 3.06 min Scan# 39

Delta R.T. 0.04 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

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ClientSampleId :

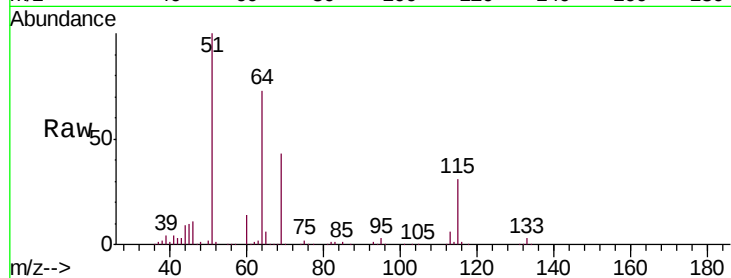
MMSV-08

Tgt Ion: 51 Resp: 952720

Ion Ratio Lower Upper

51 100

67 0.1 16.1 24.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

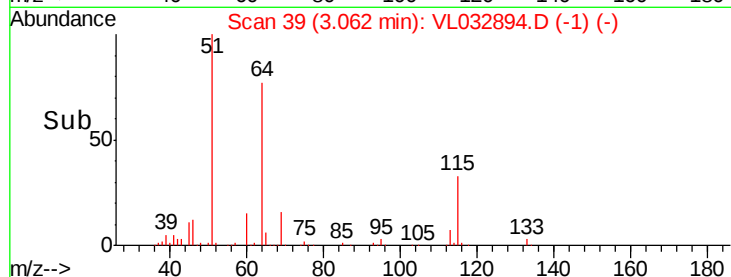
600000

400000

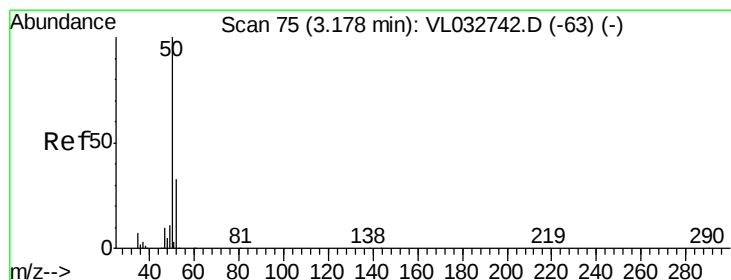
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 0.239 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL032894.D

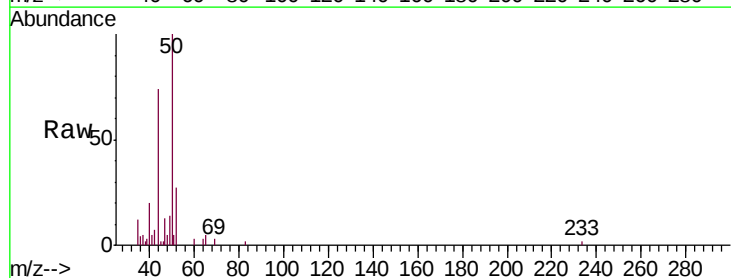
Acq: 5 Dec 2018 2:38

Tgt Ion: 50 Resp: 13583

Ion Ratio Lower Upper

50 100

52 27.2 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

12000

10000

8000

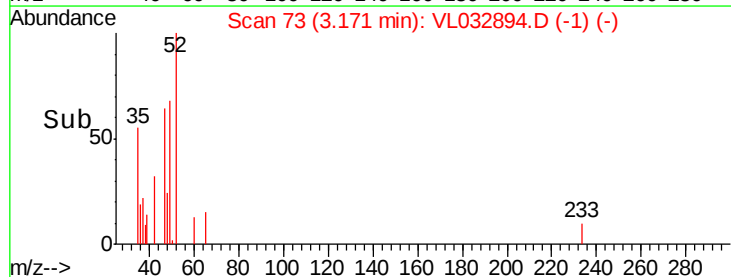
6000

4000

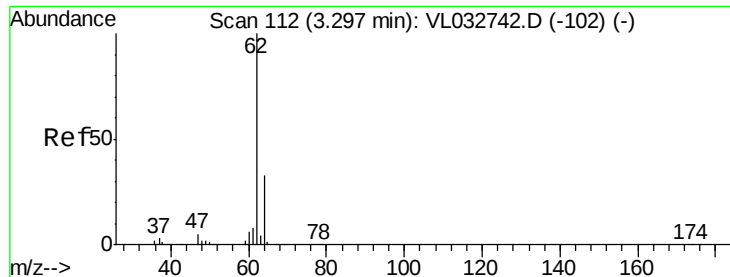
2000

0

Time-->



Time-->



#5

Vinyl Chloride

Concen: 0.327 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.25 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

MSVOA_L

ClientSampleId :

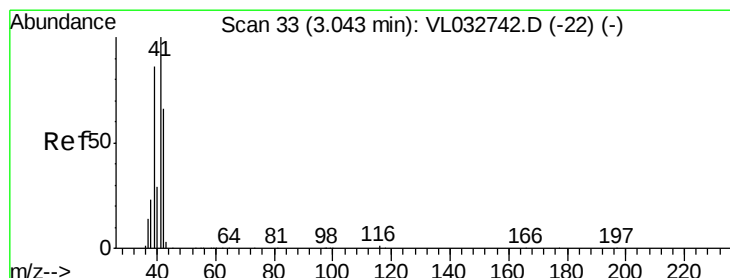
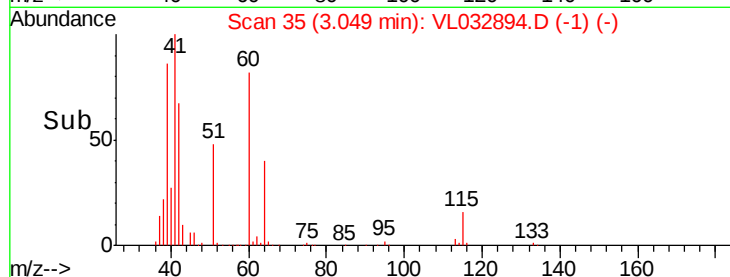
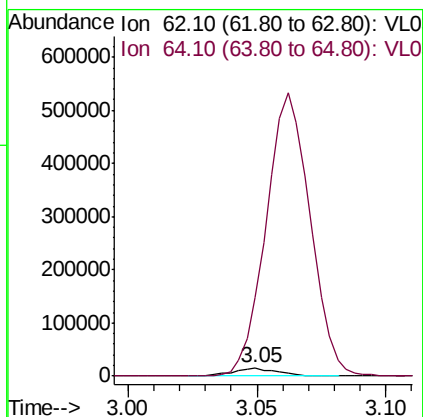
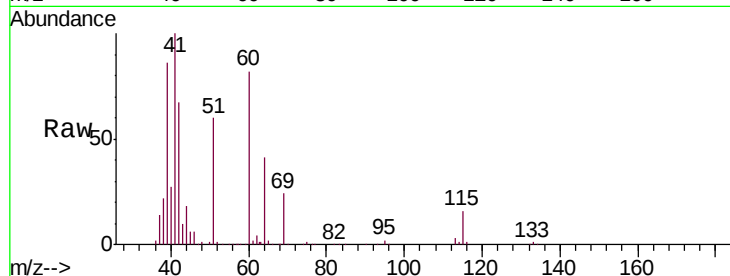
MMSV-08

Tgt Ion: 62 Resp: 19715

Ion Ratio Lower Upper

62 100

64 950.7 26.2 39.4#



#9

Propene

Concen: 22.395 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032894.D

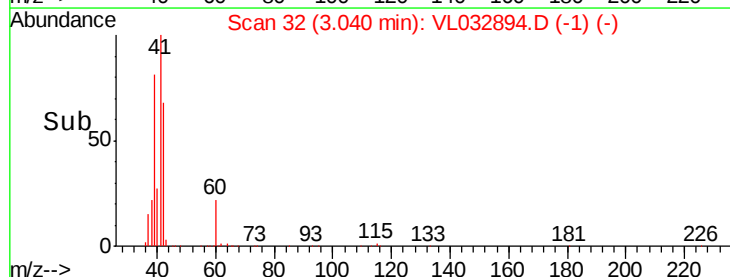
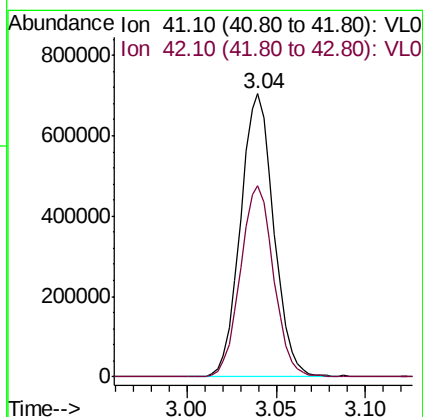
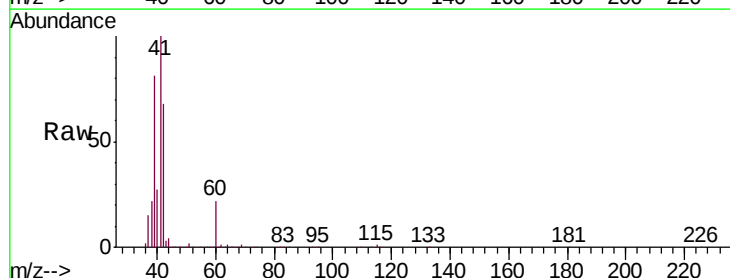
Acq: 5 Dec 2018 2:38

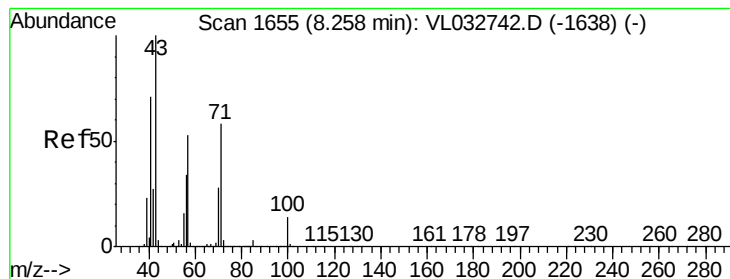
Tgt Ion: 41 Resp: 919928

Ion Ratio Lower Upper

41 100

42 67.5 55.0 82.6





#10

Heptane

Concen: 0.337 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

MSVOA_L

ClientSampleId :

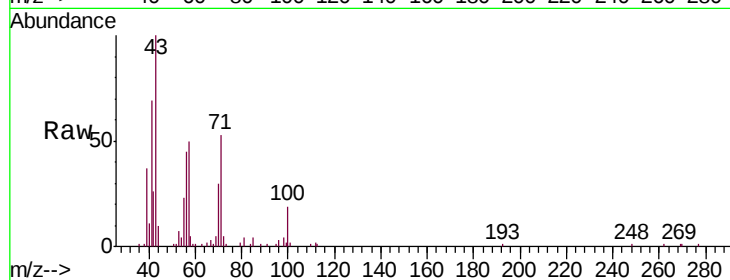
MMSV-08

Tgt Ion: 43 Resp: 52812

Ion Ratio Lower Upper

43 100

57 51.6 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.25

30000

25000

20000

15000

10000

5000

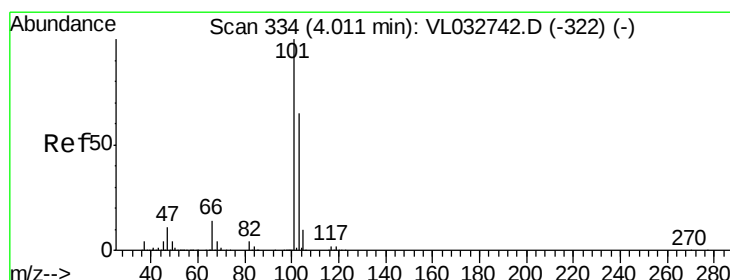
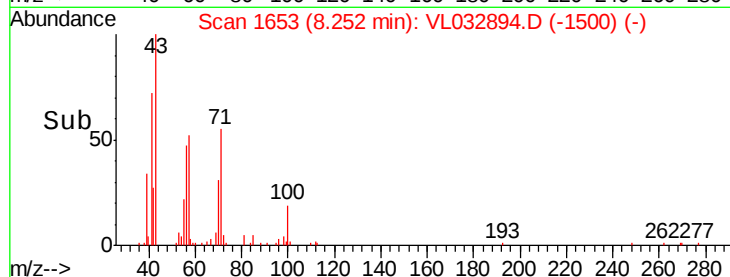
0

8.20

8.25

8.30

Time-->



#11

Trichlorofluoromethane

Concen: 0.217 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032894.D

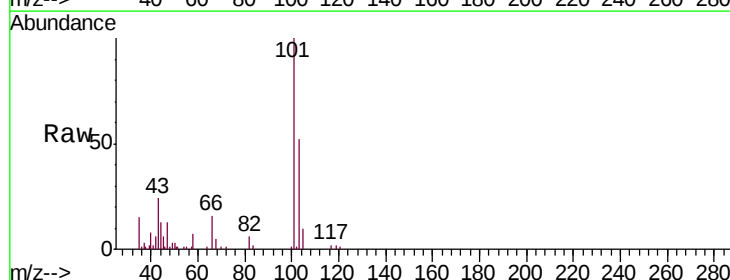
Acq: 5 Dec 2018 2:38

Tgt Ion: 101 Resp: 38093

Ion Ratio Lower Upper

101 100

103 50.8 51.6 77.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.01

30000

25000

20000

15000

10000

5000

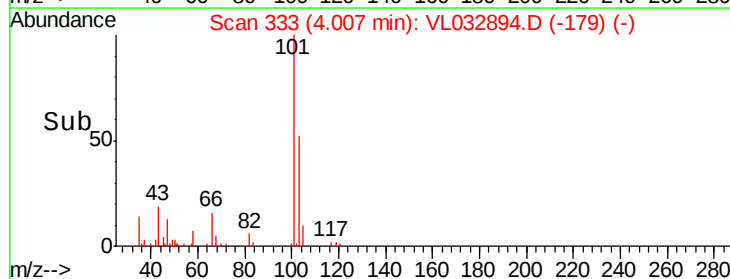
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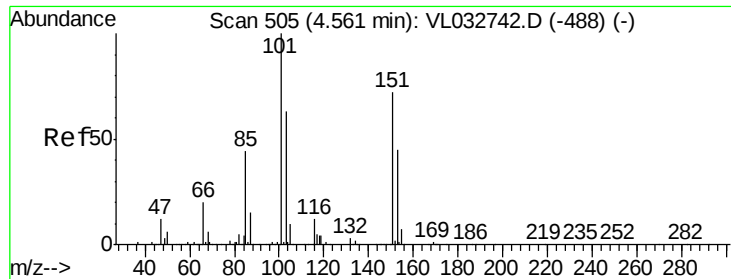
3.95

4.00

4.05

Time-->





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.056 ppbv

RT: 4.56 min Scan# 504

Delta R.T. -0.00 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

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ClientSampleId :

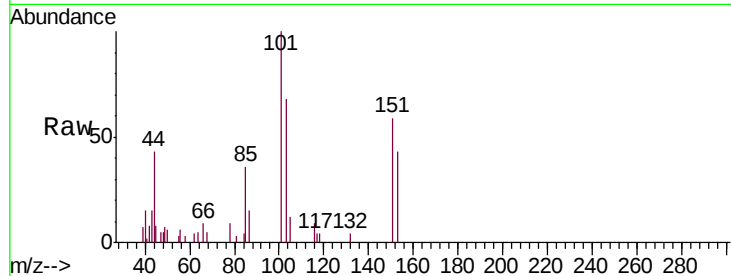
MMSV-08

Tgt Ion: 101 Resp: 7953

Ion Ratio Lower Upper

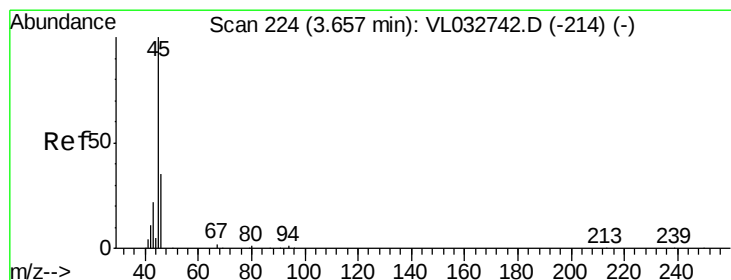
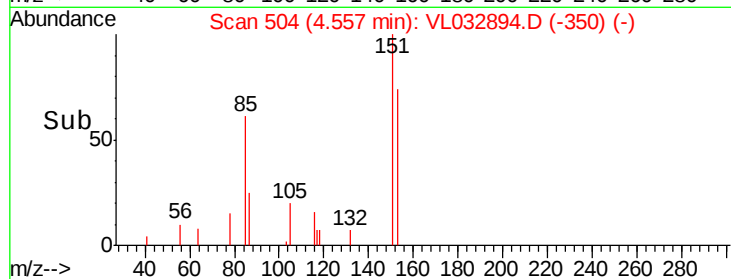
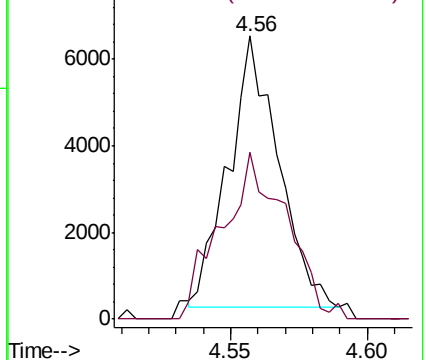
101 100

151 79.6 56.7 85.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 51.237 ppbv

RT: 3.66 min Scan# 224

Delta R.T. -0.00 min

Lab File: VL032894.D

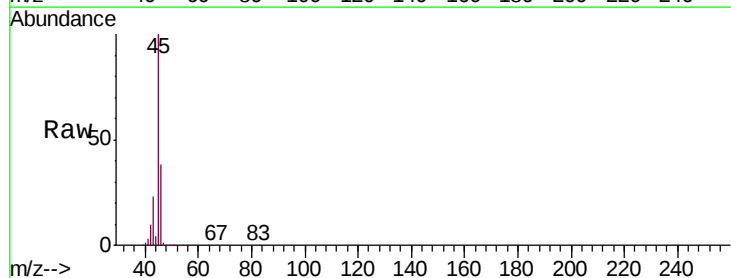
Acq: 5 Dec 2018 2:38

Tgt Ion: 45 Resp: 689383

Ion Ratio Lower Upper

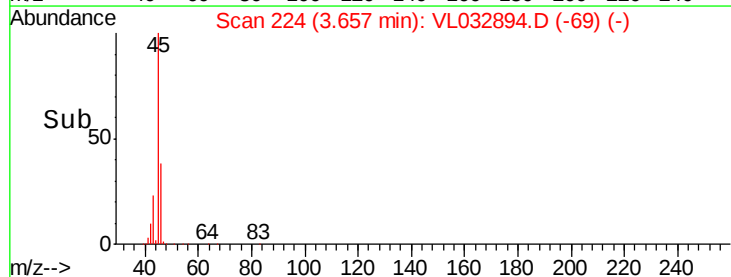
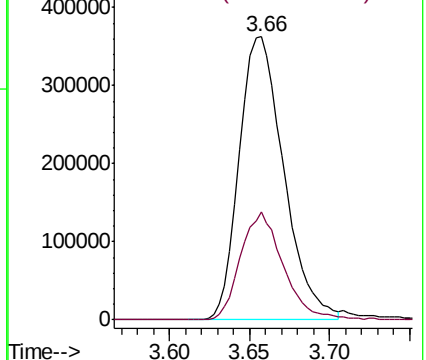
45 100

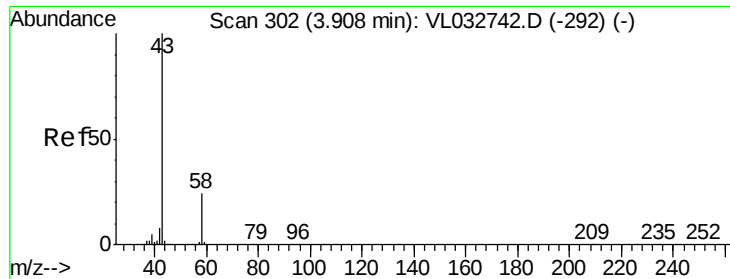
46 37.1 14.5 57.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 37.660 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.01 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

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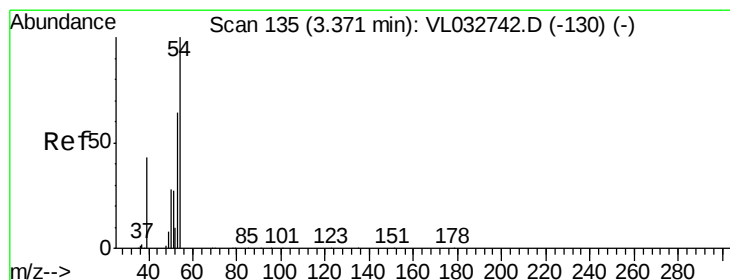
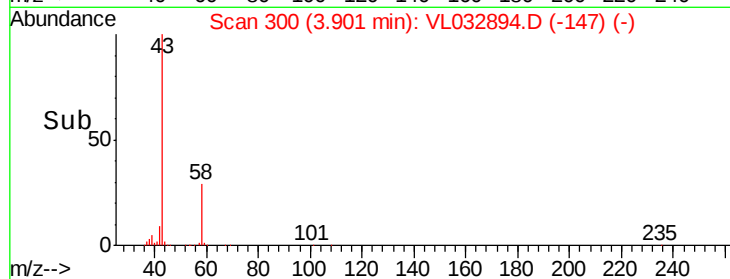
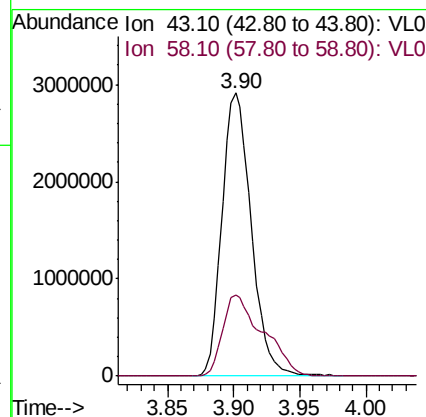
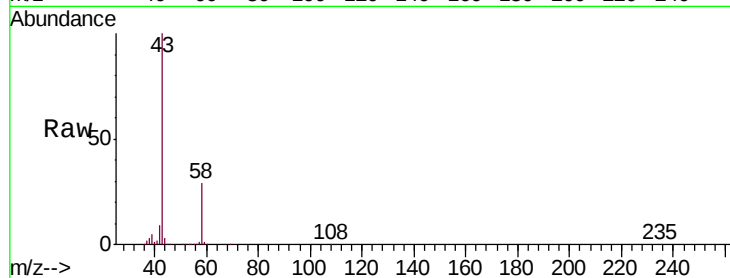
MMSV-08

Tgt Ion: 43 Resp: 4452863

Ion Ratio Lower Upper

43 100

58 40.1 21.1 31.7#



#16

1,3-Butadiene

Concen: 28.617 ppbv

RT: 3.35 min Scan# 128

Delta R.T. -0.02 min

Lab File: VL032894.D

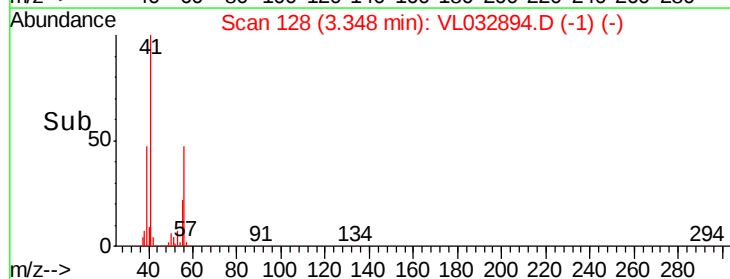
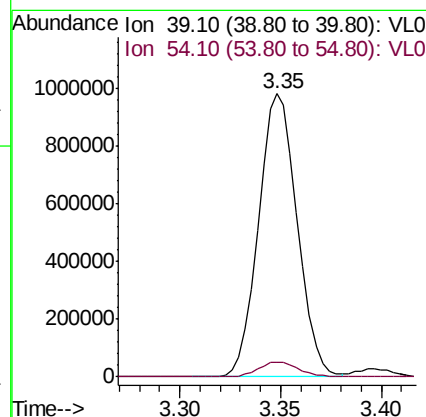
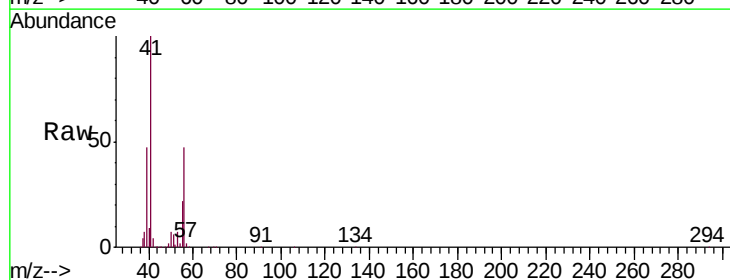
Acq: 5 Dec 2018 2:38

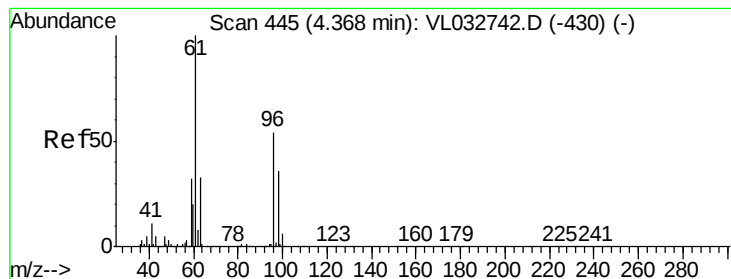
Tgt Ion: 39 Resp: 1310363

Ion Ratio Lower Upper

39 100

54 5.6 68.9 103.3#





#17

tert-Butyl alcohol

Concen: 4.575 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

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ClientSampleId :

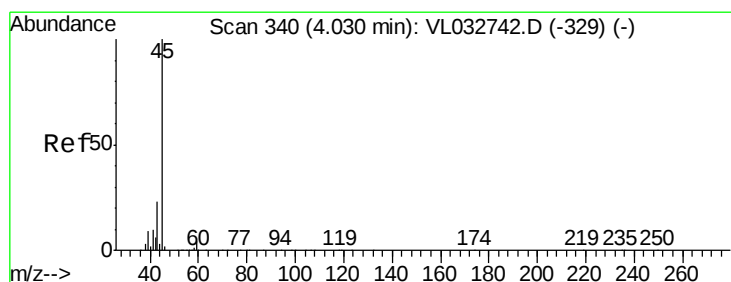
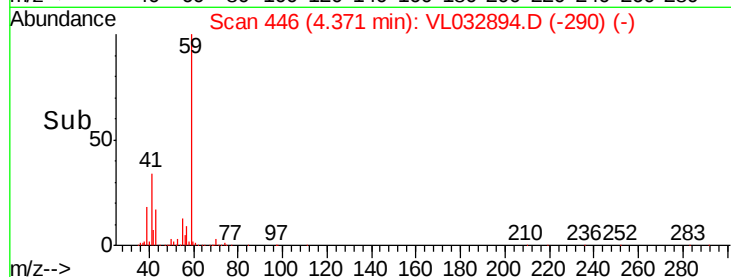
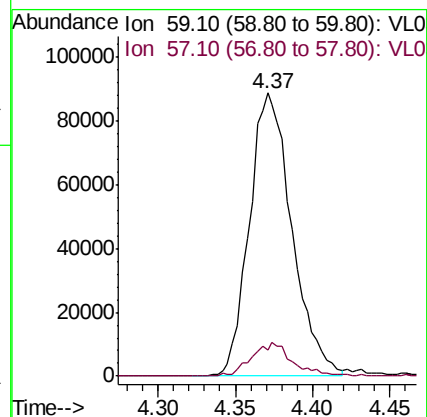
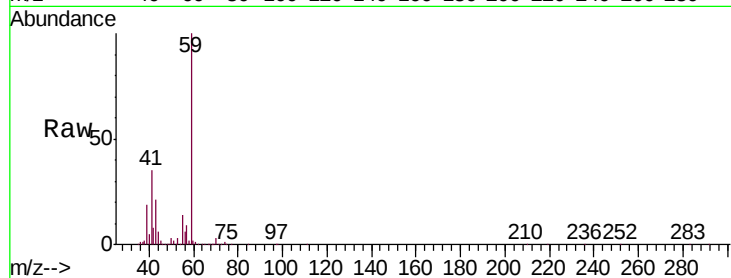
MMSV-08

Tgt Ion: 59 Resp: 169646

Ion Ratio Lower Upper

59 100

57 11.4 7.8 11.8



#19

Isopropyl Alcohol

Concen: 0.146 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.00 min

Lab File: VL032894.D

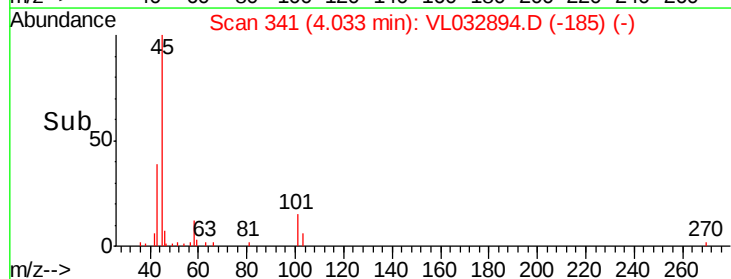
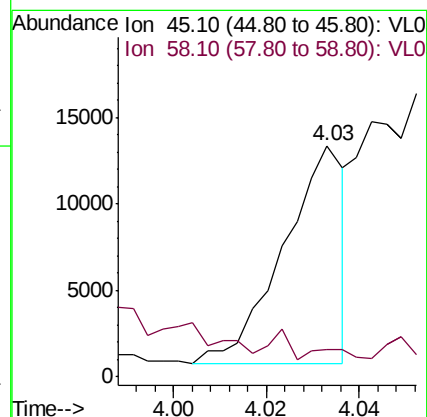
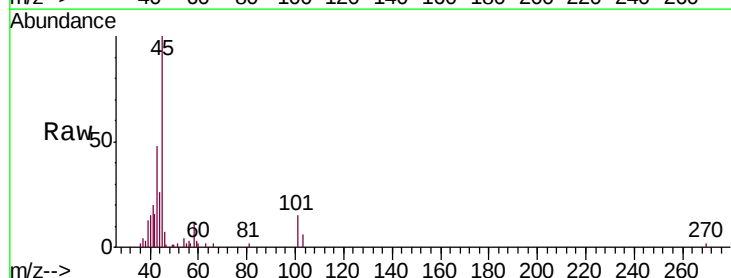
Acq: 5 Dec 2018 2:38

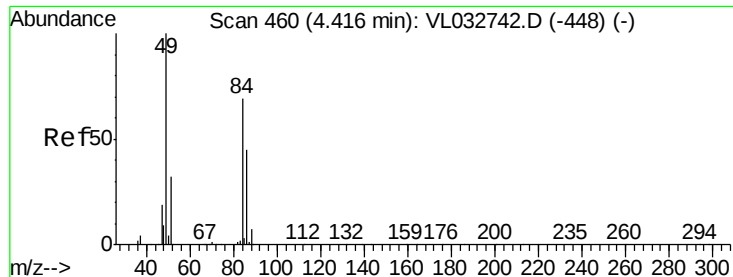
Tgt Ion: 45 Resp: 11491

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#

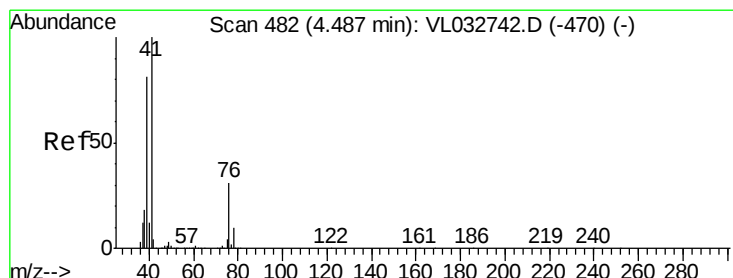
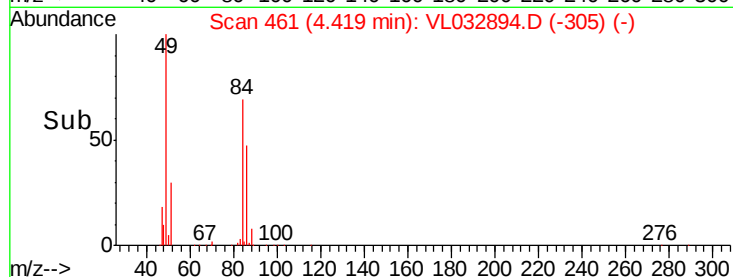
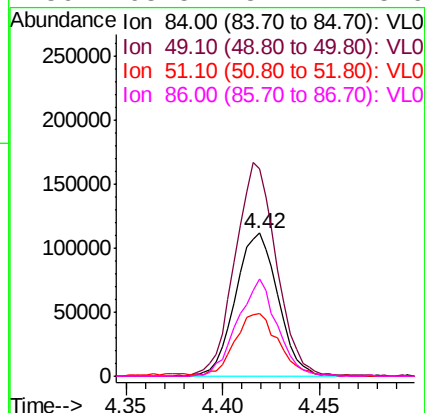
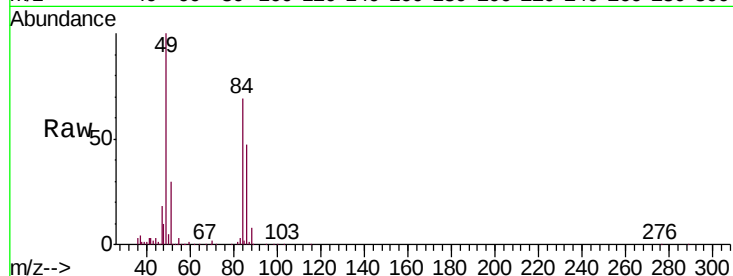




#20
Methylene Chloride
Concen: 2.769 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032894.D
Acq: 5 Dec 2018 2:38

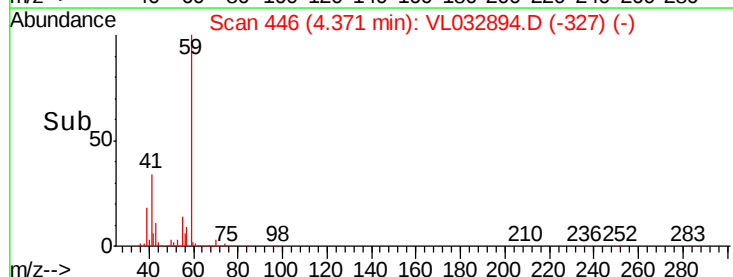
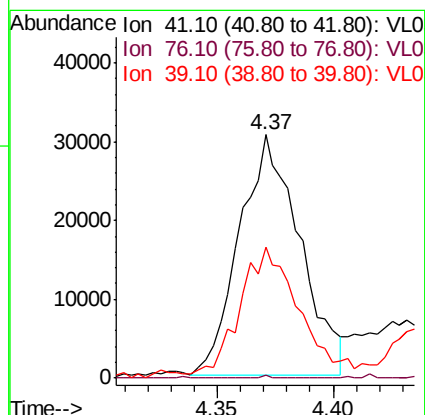
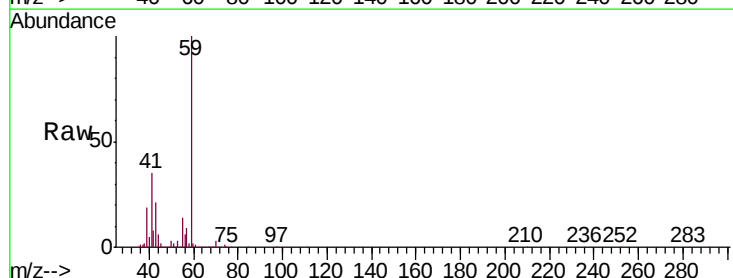
Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

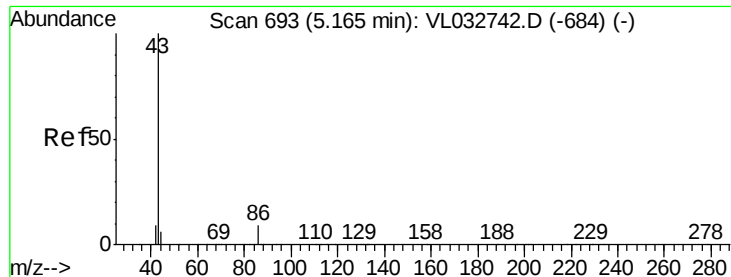
Tgt Ion:	84	Resp:	169515
Ion	Ratio	Lower	Upper
84	100		
49	144.7	115.8	173.6
51	43.6	36.9	55.3
86	68.5	52.4	78.6



#21
Allyl Chloride
Concen: 0.555 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.12 min
Lab File: VL032894.D
Acq: 5 Dec 2018 2:38

Tgt Ion:	41	Resp:	55167
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	54.6	63.5	95.3#





#23

Vinyl Acetate

Concen: 1.094 ppbv

RT: 5.26 min Scan# 722

Delta R.T. 0.09 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

MSVOA_L

ClientSampleId :

MMSV-08

Tgt Ion: 43 Resp: 235816

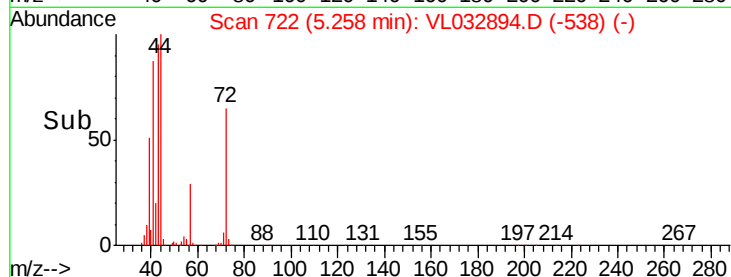
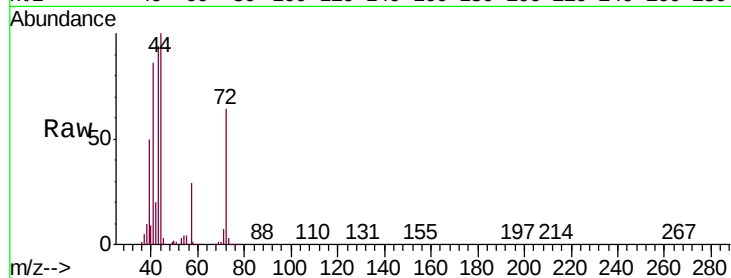
Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#

42 20.9 7.8 11.6#

44 105.5 4.4 6.6#

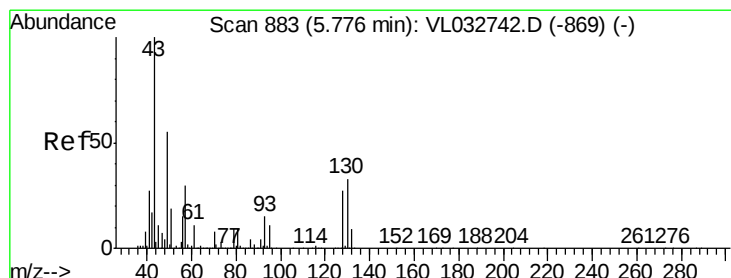
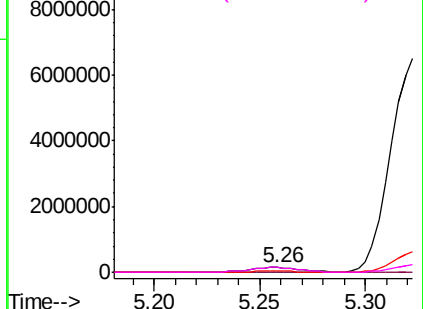


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 53.989 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.45 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Tgt Ion: 43 Resp: 14878340

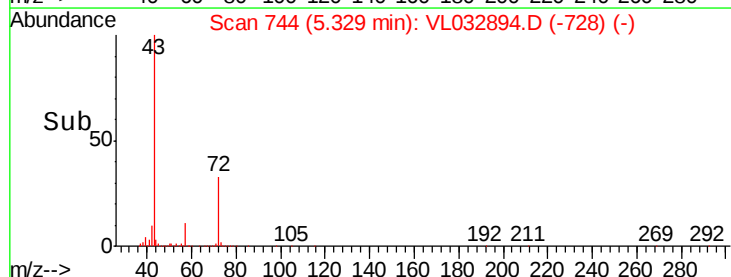
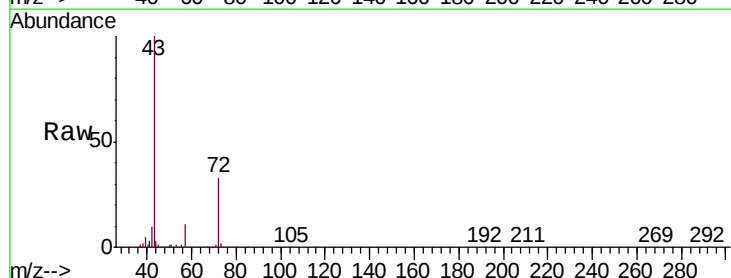
Ion Ratio Lower Upper

43 100

45 0.9 7.9 11.9#

61 0.0 7.8 11.6#

70 0.0 5.8 8.6#

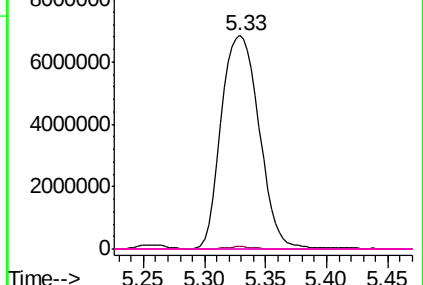


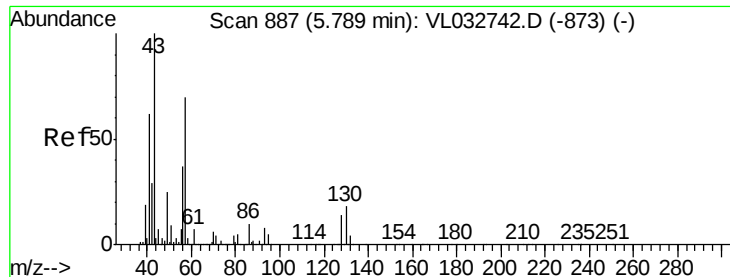
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

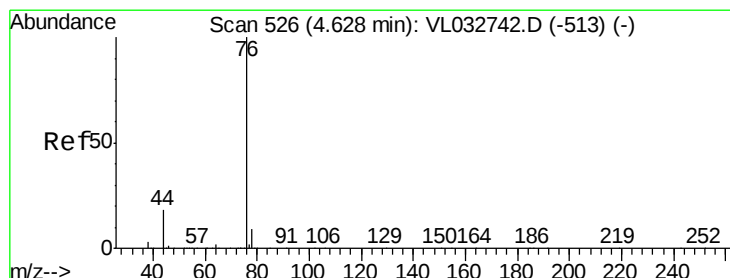
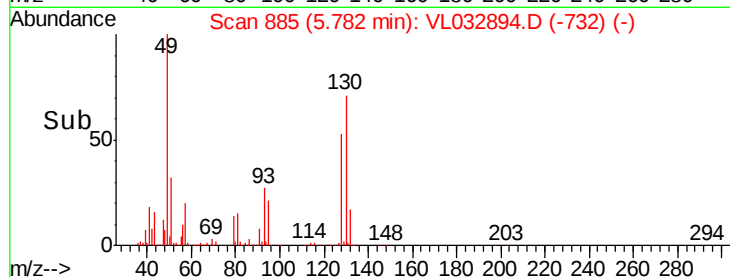
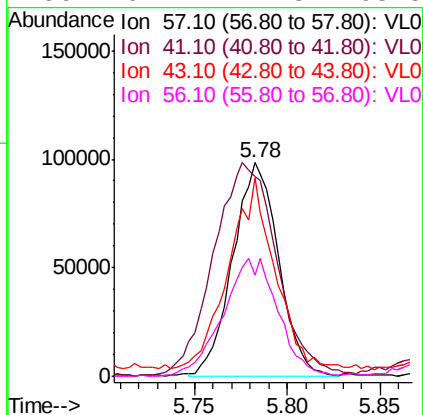
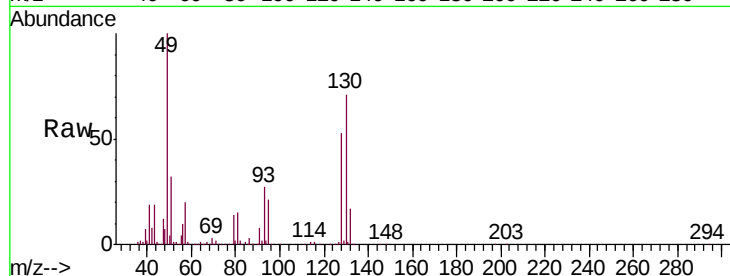




#26
Hexane
Concen: 1.365 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032894.D
Acq: 5 Dec 2018 2:38

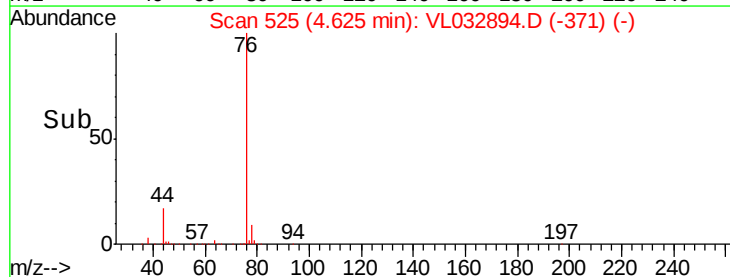
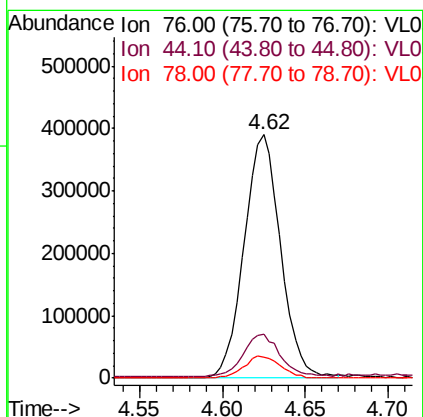
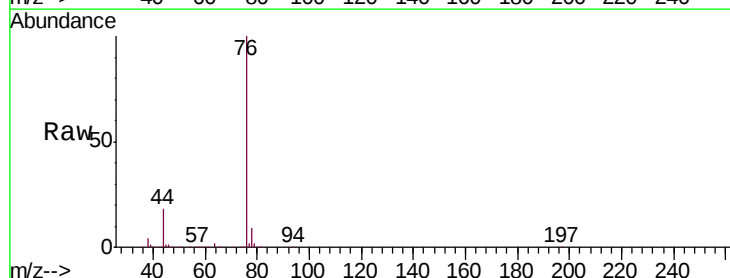
Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

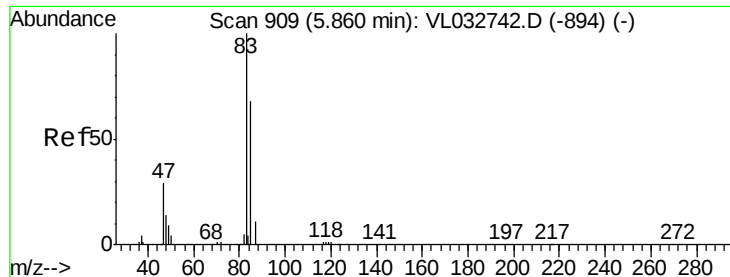
Tgt Ion: 57 Resp: 167441
Ion Ratio Lower Upper
57 100
41 138.1 70.3 105.5#
43 0.0 174.0 261.0#
56 67.4 42.3 63.5#



#27
Carbon Disulfide
Concen: 3.839 ppbv
RT: 4.62 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL032894.D
Acq: 5 Dec 2018 2:38

Tgt Ion: 76 Resp: 597102
Ion Ratio Lower Upper
76 100
44 18.9 14.4 21.6
78 9.3 7.7 11.5





#29

Chloroform

Concen: 0.091 ppbv

RT: 5.86 min Scan# 909

Delta R.T. -0.00 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

MSVOA_L

ClientSampleId :

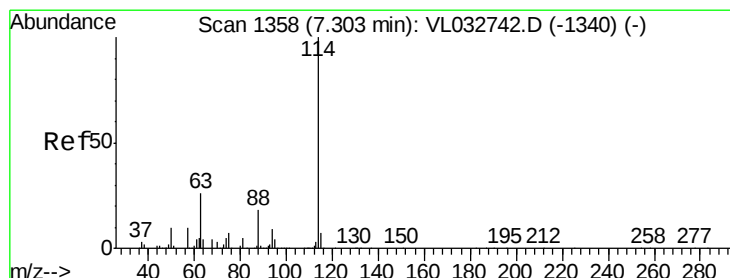
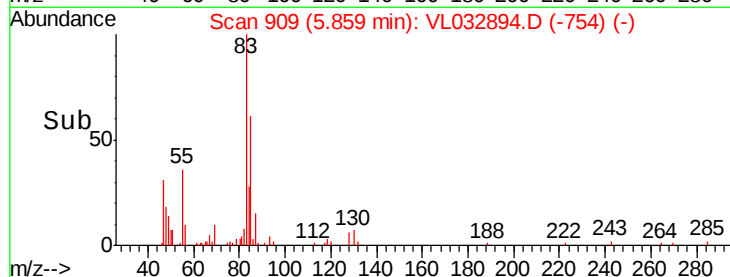
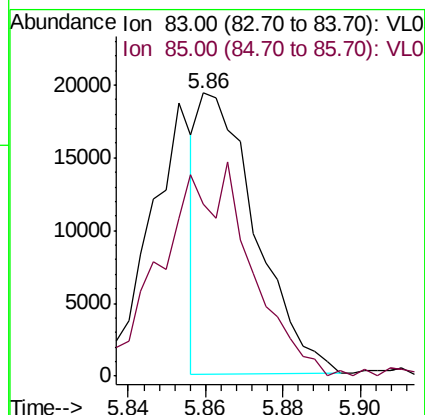
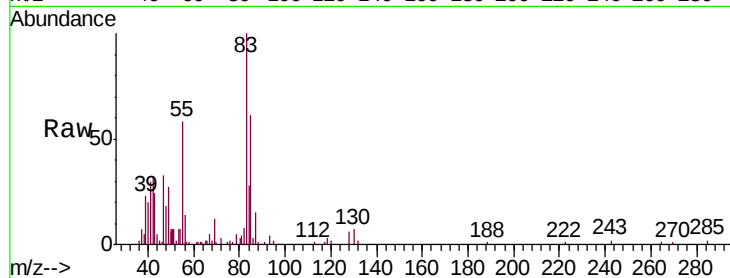
MMSV-08

Tgt Ion: 83 Resp: 19789

Ion Ratio Lower Upper

83 100

85 59.7 54.2 81.4



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

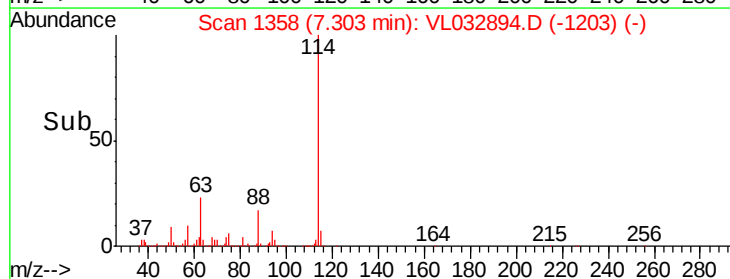
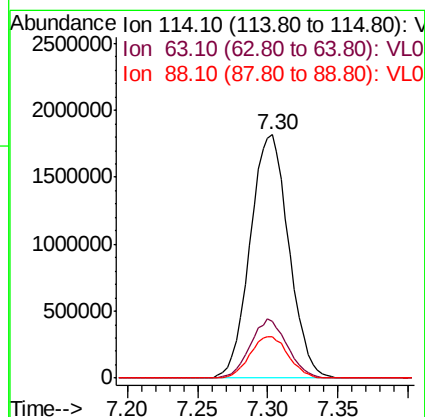
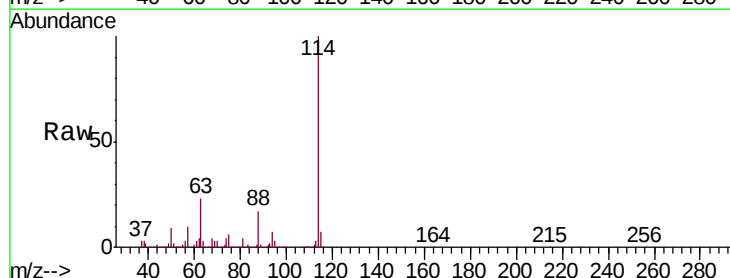
Tgt Ion: 114 Resp: 3478782

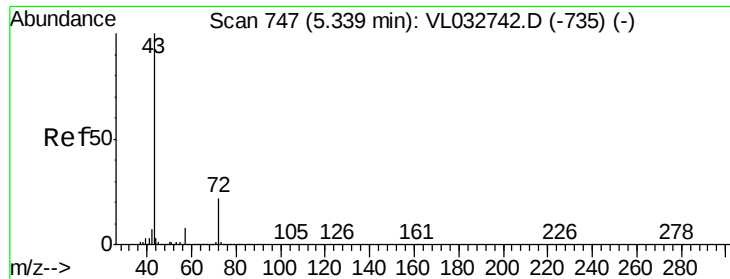
Ion Ratio Lower Upper

114 100

63 23.2 20.9 31.3

88 17.2 14.4 21.6





#34

2-Butanone

Concen: 82.460 ppbv

RT: 5.33 min Scan# 744

Delta R.T. -0.01 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

MSVOA_L

ClientSampleId :

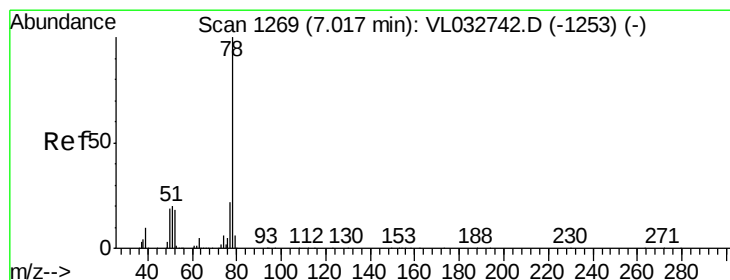
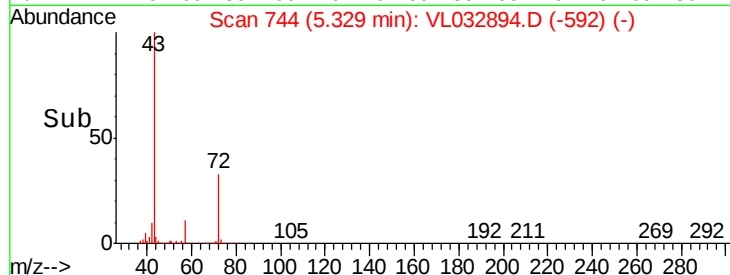
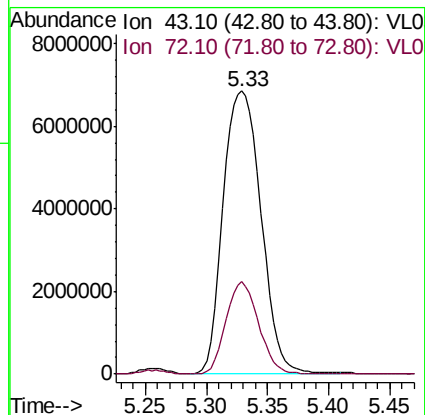
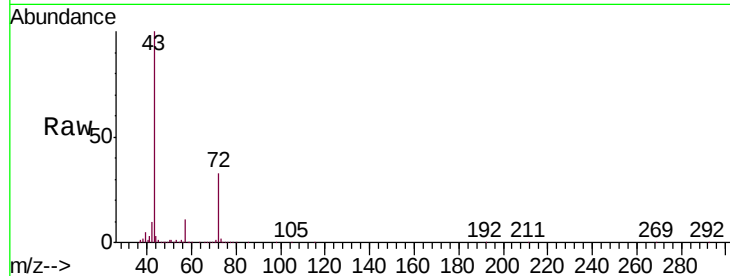
MMSV-08

Tgt Ion: 43 Resp:14878340

Ion Ratio Lower Upper

43 100

72 28.4 18.4 27.6#



#36

Benzene

Concen: 1.394 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

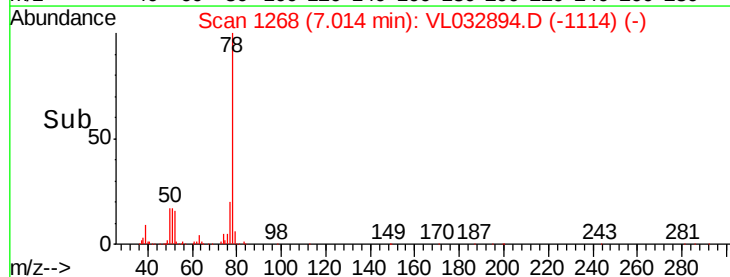
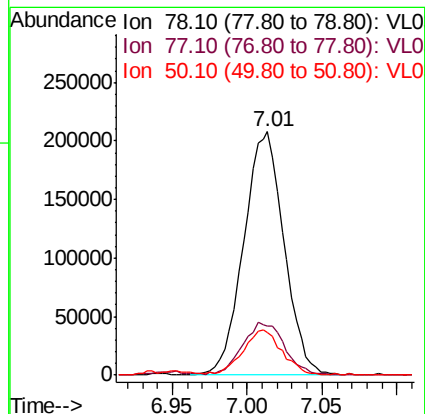
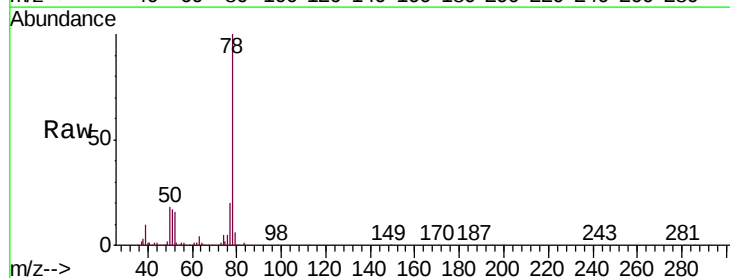
Tgt Ion: 78 Resp: 386277

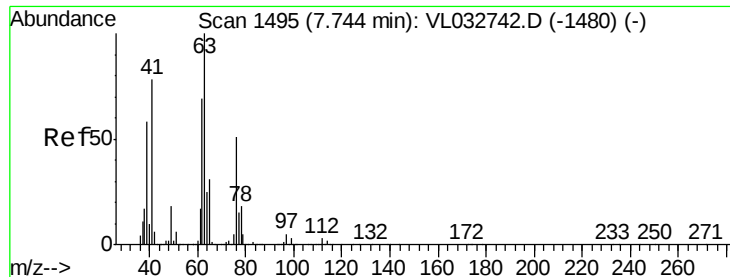
Ion Ratio Lower Upper

78 100

77 19.9 17.8 26.8

50 17.2 15.4 23.0





#39

1,2-Dichloropropane

Concen: 7.631 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

MSVOA_L

ClientSampleId :

MMSV-08

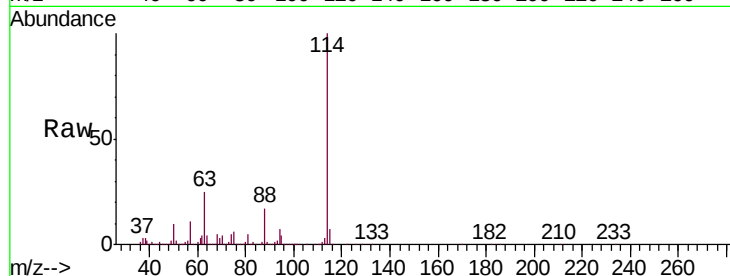
Tgt Ion: 63 Resp: 805437

Ion Ratio Lower Upper

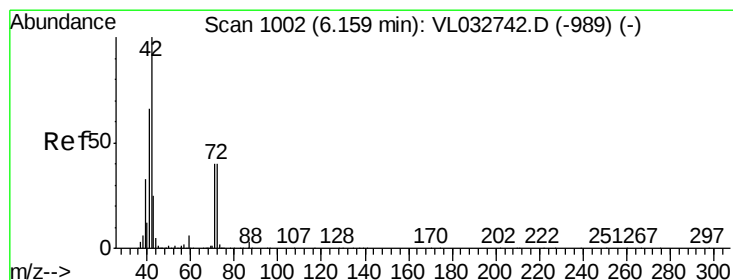
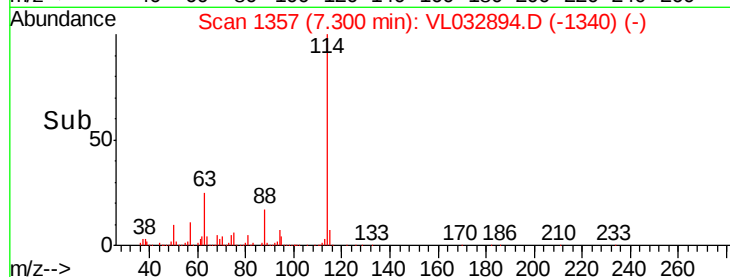
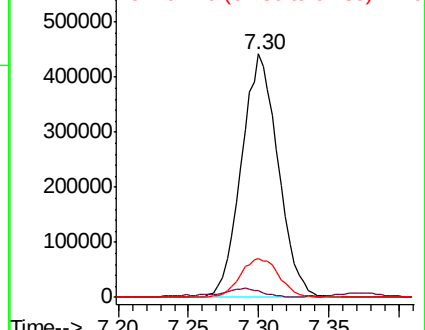
63 100

41 1.6 62.0 93.0#

62 16.2 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: 0.178 ppbv

RT: 6.16 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

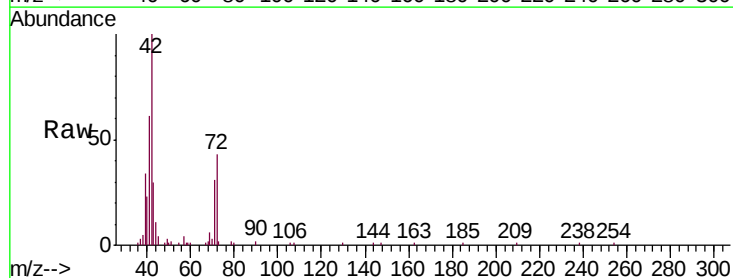
Tgt Ion: 42 Resp: 18374

Ion Ratio Lower Upper

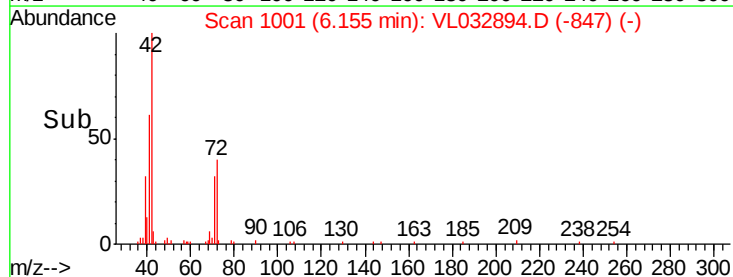
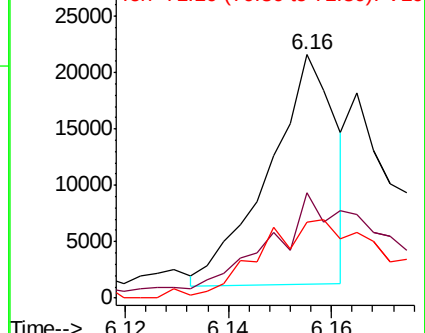
42 100

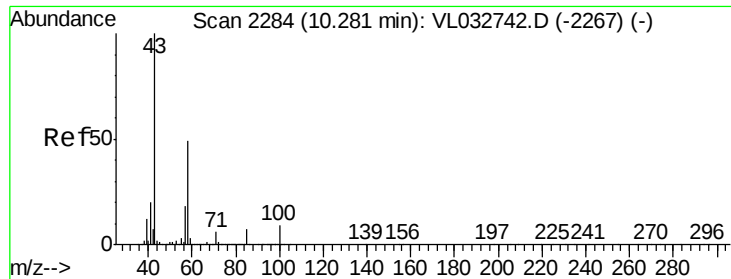
72 83.0 32.4 48.6#

71 71.8 31.6 47.4#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

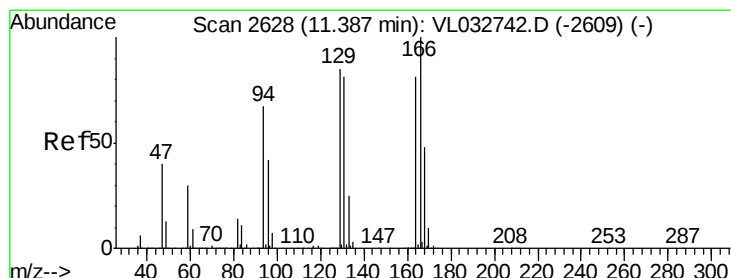
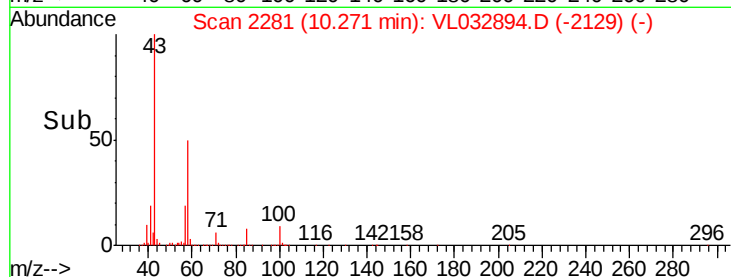
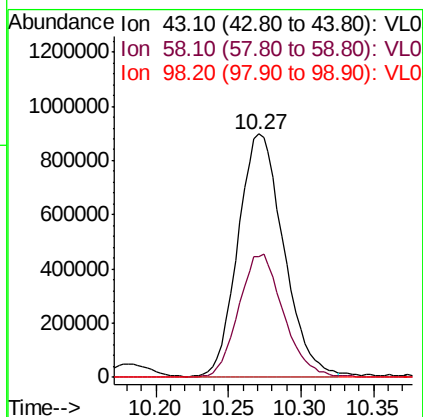
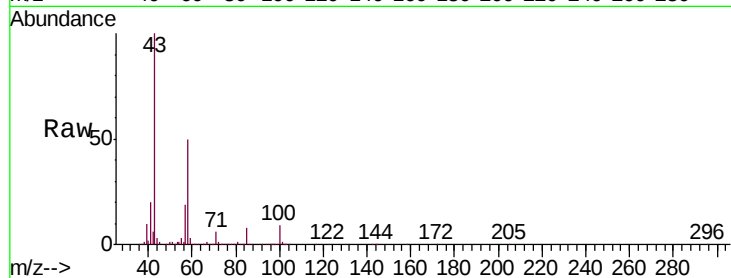




#51
2-Hexanone
Concen: 10.782 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL032894.D
Acq: 5 Dec 2018 2:38

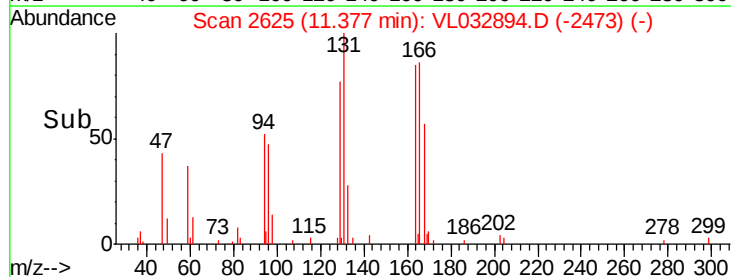
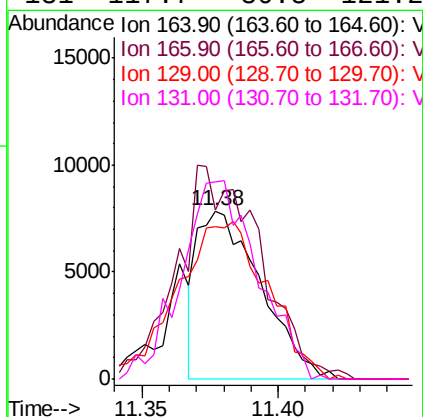
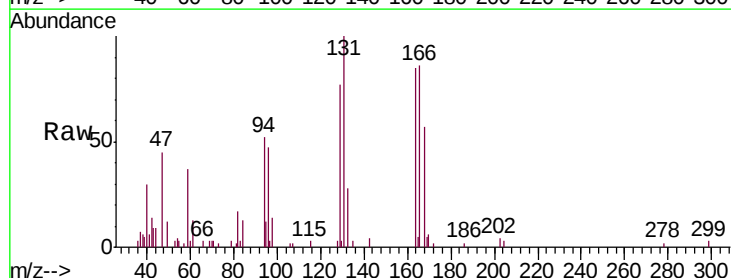
Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

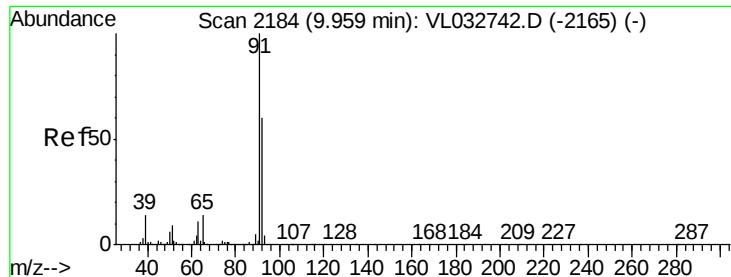
Tgt Ion: 43 Resp: 1957526
Ion Ratio Lower Upper
43 100
58 49.8 38.9 58.3
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.131 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032894.D
Acq: 5 Dec 2018 2:38

Tgt Ion: 164 Resp: 12608
Ion Ratio Lower Upper
164 100
166 95.2 99.3 148.9#
129 88.8 83.9 125.9
131 117.7 80.8 121.2





#53

Toluene

Concen: 1.829 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

MSVOA_L

ClientSampleId :

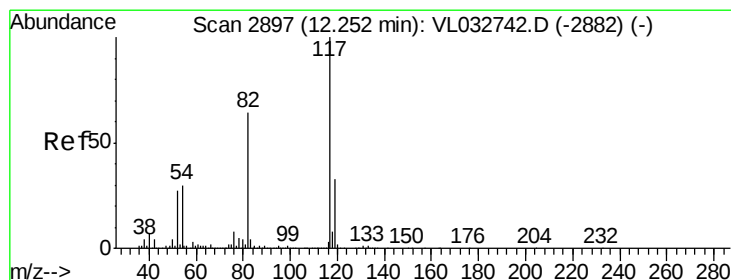
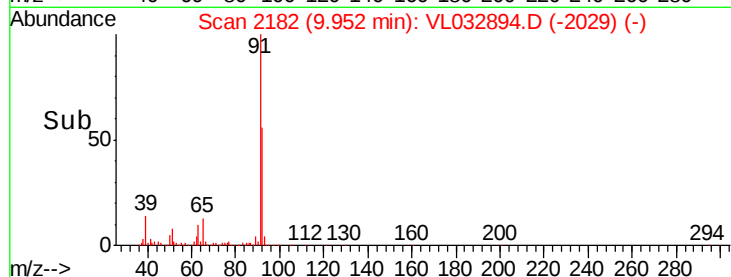
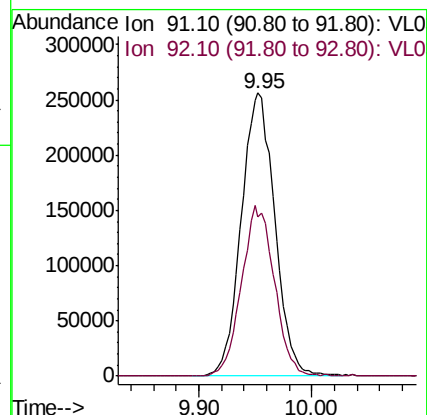
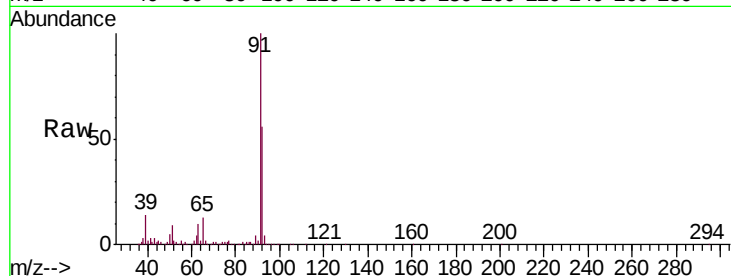
MMSV-08

Tgt Ion: 91 Resp: 528659

Ion Ratio Lower Upper

91 100

92 58.9 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

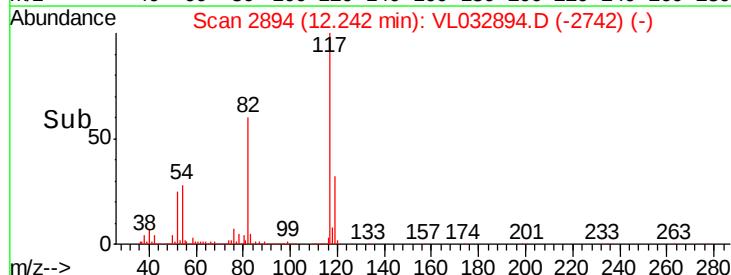
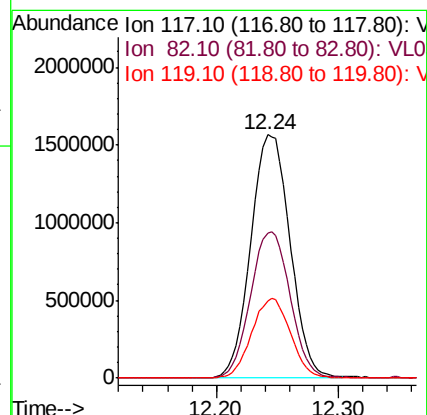
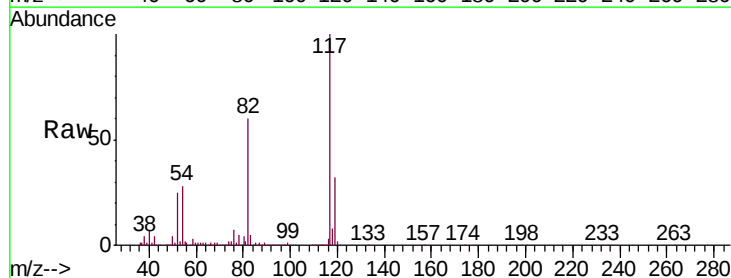
Tgt Ion: 117 Resp: 3485920

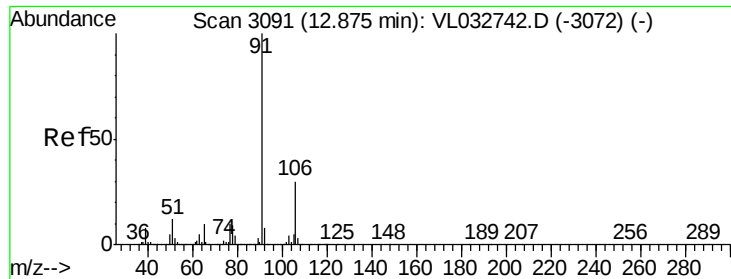
Ion Ratio Lower Upper

117 100

82 61.0 51.0 76.6

119 32.3 28.0 42.0





#58

Ethyl Benzene

Concen: 0.264 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL032894.D

Acq: 5 Dec 2018 2:38

Instrument :

MSVOA_L

ClientSampleId :

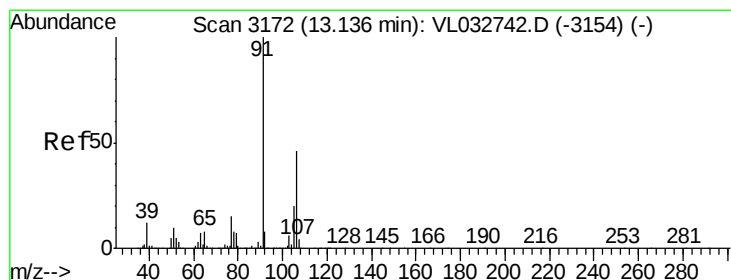
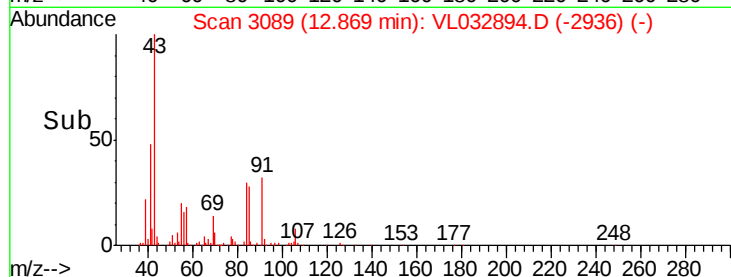
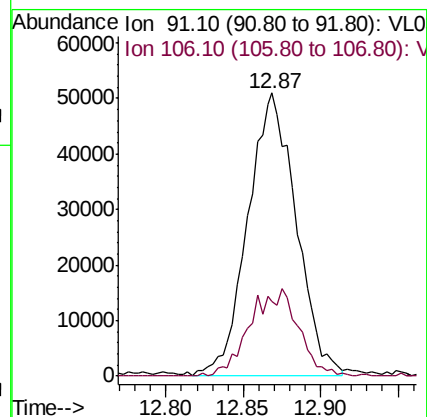
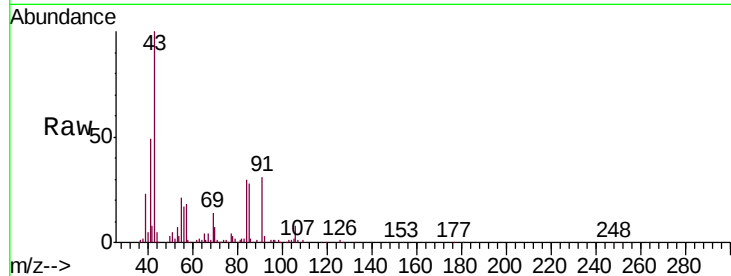
MMSV-08

Tgt Ion: 91 Resp: 110958

Ion Ratio Lower Upper

91 100

106 26.8 23.6 35.4



#59

m/p-Xylene

Concen: 0.617 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL032894.D

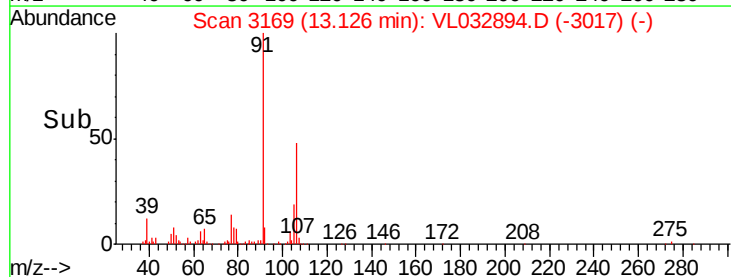
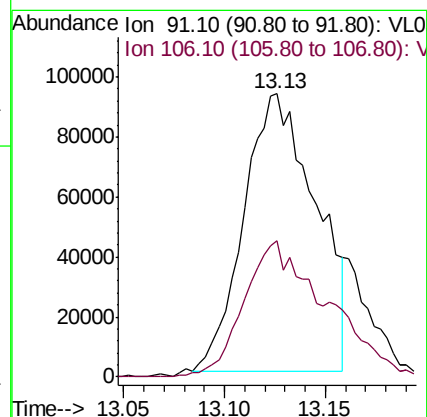
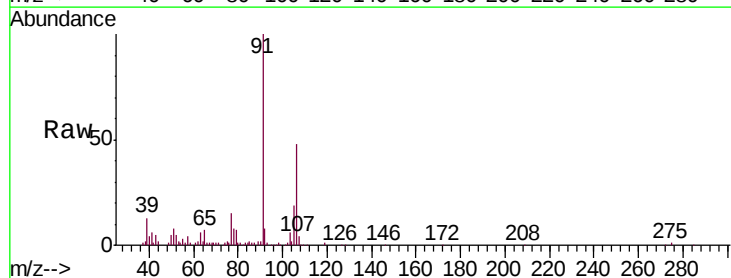
Acq: 5 Dec 2018 2:38

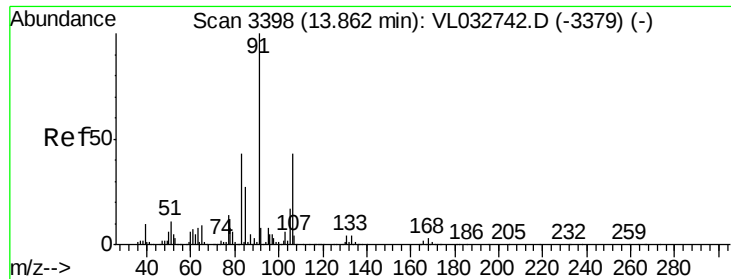
Tgt Ion: 91 Resp: 230356

Ion Ratio Lower Upper

91 100

106 56.3 36.1 54.1#

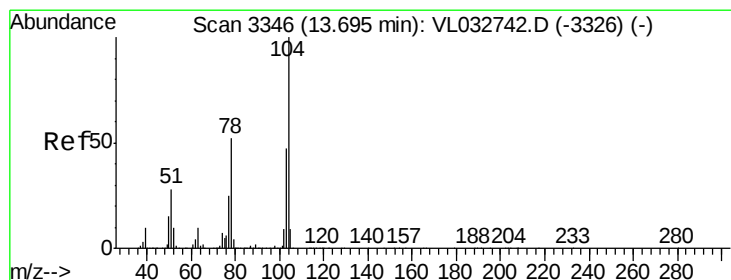
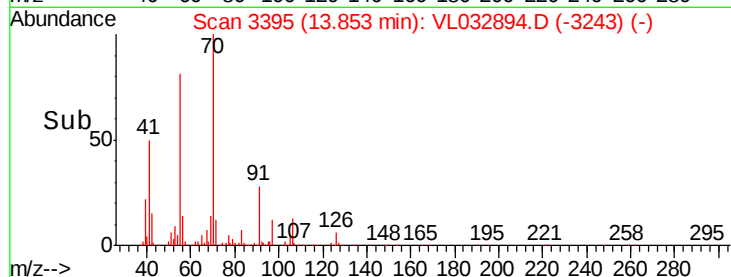
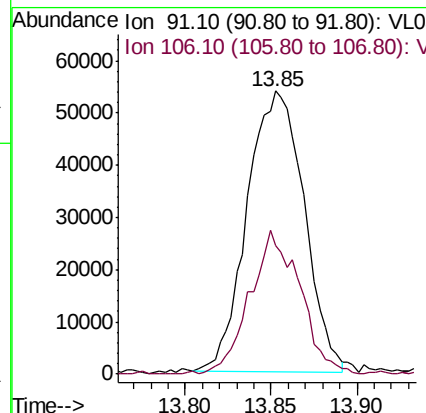
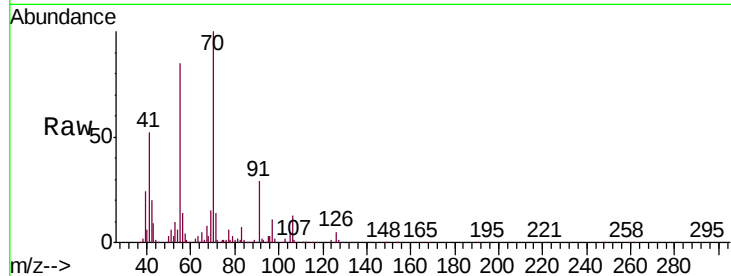




#60
o-Xylene
Concen: 0.328 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032894.D
Acq: 5 Dec 2018 2:38

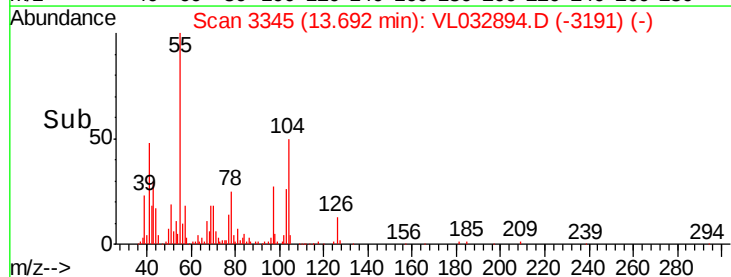
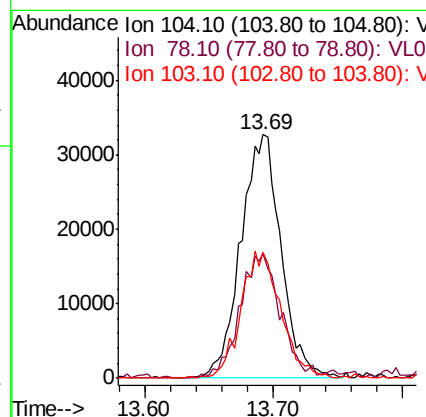
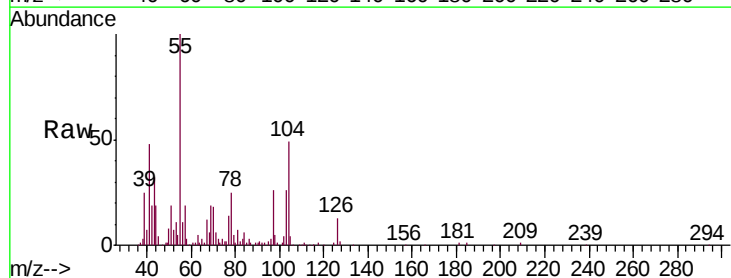
Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

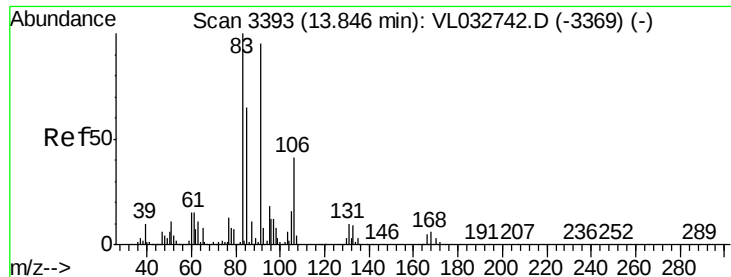
Tgt Ion: 91 Resp: 123128
Ion Ratio Lower Upper
91 100
106 45.6 21.9 65.7



#61
Styrene
Concen: 0.290 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL032894.D
Acq: 5 Dec 2018 2:38

Tgt Ion: 104 Resp: 70809
Ion Ratio Lower Upper
104 100
78 51.8 42.2 63.4
103 52.1 38.2 57.2

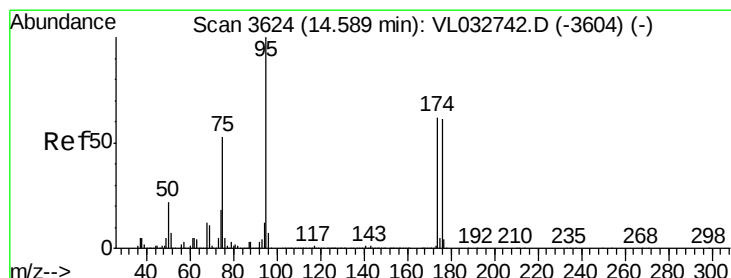
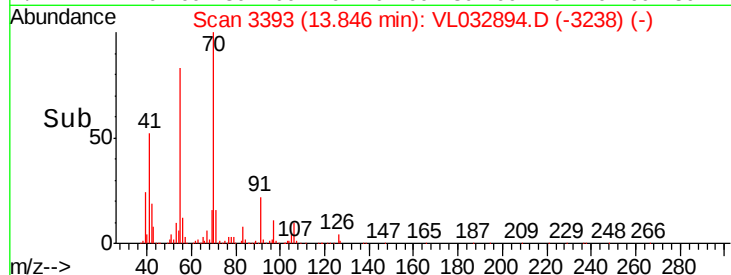
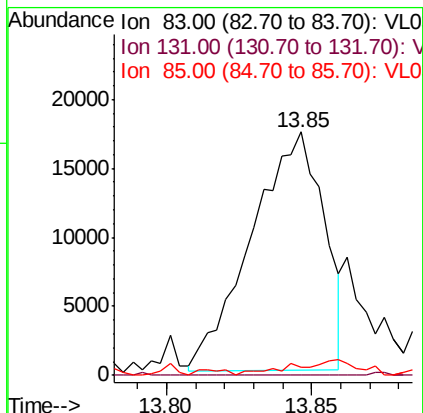
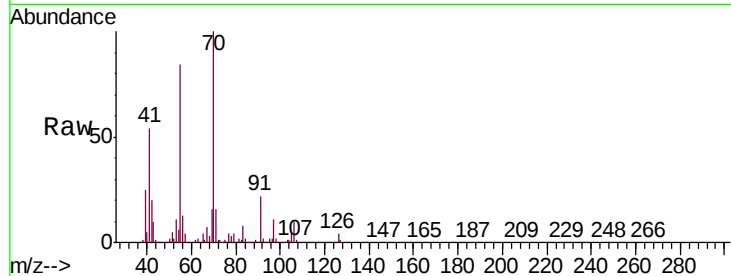




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.103 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VL032894.D
 Acq: 5 Dec 2018 2:38

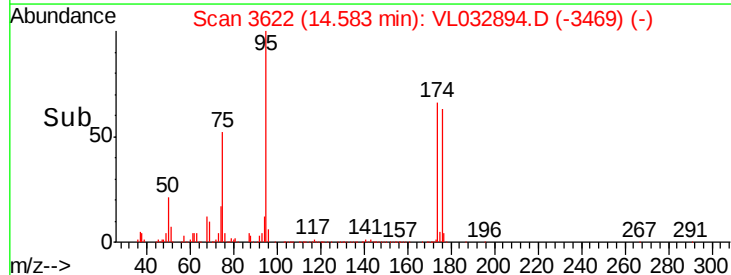
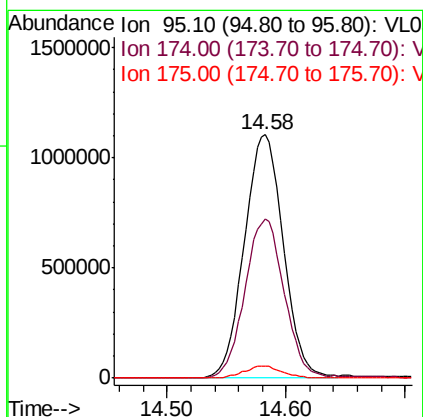
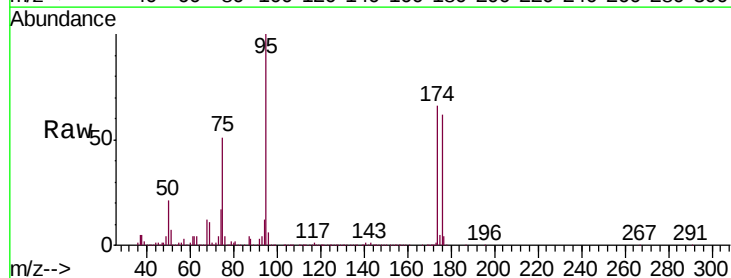
Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-08

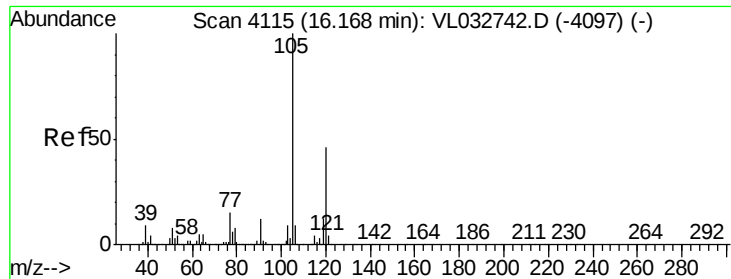
Tgt Ion: 83 Resp: 30123
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.7 14.1#
 85 0.0 32.5 97.4#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.631 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL032894.D
 Acq: 5 Dec 2018 2:38

Tgt Ion: 95 Resp: 2511082
 Ion Ratio Lower Upper
 95 100
 174 66.8 50.7 76.1
 175 4.9 3.8 5.6

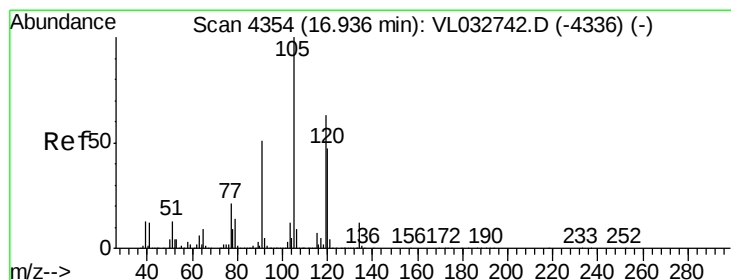
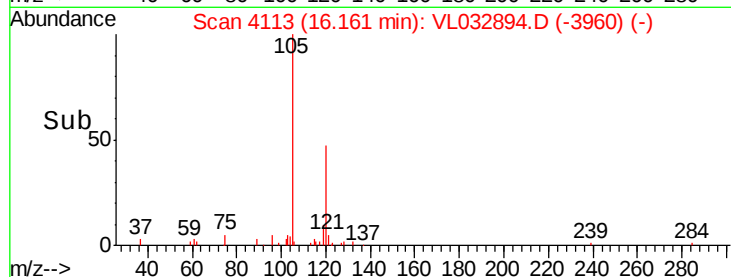
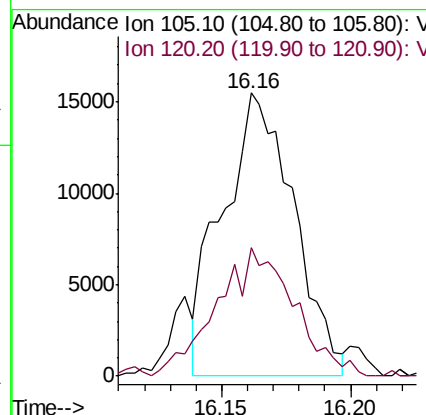
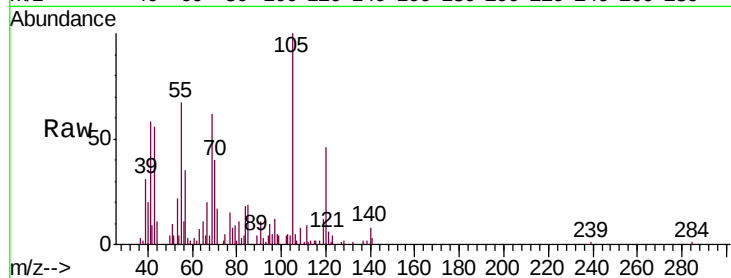




#73
 1,3,5-Trimethylbenzene
 Concen: 0.074 ppbv
 RT: 16.16 min Scan# 4113
 Delta R.T. -0.01 min
 Lab File: VL032894.D
 Acq: 5 Dec 2018 2:38

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-08

Tgt Ion:105 Resp: 29918
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.230 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL032894.D
 Acq: 5 Dec 2018 2:38

Tgt Ion:105 Resp: 98873
 Ion Ratio Lower Upper
 105 100
 120 37.4 37.6 56.4#
 91 12.4 42.5 63.7#
 77 8.9 17.4 26.2#

