

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081219\
 Data File : VL034113.D
 Acq On : 12 Aug 2019 22:57
 Operator : SY/AP
 Sample : K4296-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SRS-0807-VI2

Quant Time: Aug 13 04:06:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 05 17:09:48 2019
 QLast Update : Mon Aug 05 17:09:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1040235	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	1976624	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	1986086	10.00	ppbv	0.00

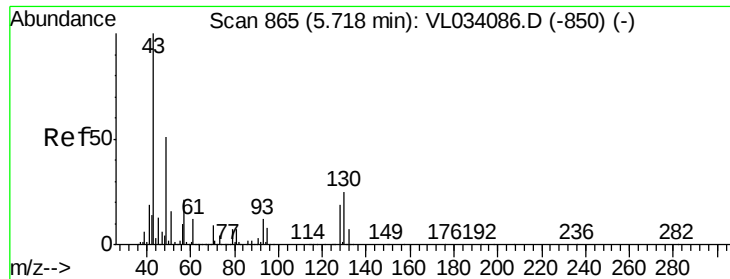
System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	1688150	10.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	43656	0.341	ppbv #	85
3) Chlorodifluoromethane	3.03	51	138481	1.151	ppbv #	62
4) Chloromethane	3.14	50	39523	0.510	ppbv	90
9) Propene	3.36	41	25705	0.362	ppbv	93
10) Heptane	8.20	43	11429	0.062	ppbv #	30
11) Trichlorofluoromethane	3.97	101	33557	0.221	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.51	101	4527	0.042	ppbv #	12
13) Ethanol	3.66	45	1593685	797.411	ppbv	83
15) Acetone	3.86	43	9245445	62.197	ppbv #	45
17) tert-Butyl alcohol	4.34	59	30801	0.222	ppbv #	72
19) Isopropyl Alcohol	4.04	45	5281251	45.629	ppbv #	49
20) Methylene Chloride	4.37	84	49366	1.107	ppbv	92
21) Allyl Chloride	4.21	41	16793	0.163	ppbv #	1
23) Vinyl Acetate	5.10	43	53243	0.216	ppbv #	59
25) Ethyl Acetate	5.72	43	1074034	3.673	ppbv #	93
26) Hexane	5.73	57	97882	0.790	ppbv #	1
27) Carbon Disulfide	4.58	76	9361	0.072	ppbv #	40
29) Chloroform	5.81	83	5509	0.033	ppbv #	71
31) cis-1,2-Dichloroethene	5.72	61	123739	1.011	ppbv #	27
34) 2-Butanone	5.29	43	95967	0.522	ppbv	99
35) Carbon Tetrachloride	7.08	117	4695	0.031	ppbv #	82
36) Benzene	6.96	78	41775	0.186	ppbv	96
39) 1,2-Dichloropropane	7.25	63	597688	6.593	ppbv #	24
41) Tetrahydrofuran	6.10	42	5872	0.052	ppbv #	42
43) Methyl Methacrylate	8.08	69	1869726	20.289	ppbv	96
44) 2,2,4-Trimethylpentane	7.93	57	35709	0.089	ppbv #	57
53) Toluene	9.89	91	2274696	8.774	ppbv	98
58) Ethyl Benzene	13.07	91	36965	0.111	ppbv	99
59) m/p-Xylene	13.07	91	36965	0.138	ppbv #	29
60) o-Xylene	13.79	91	35996	0.134	ppbv	97
61) Styrene	13.62	104	13532	0.064	ppbv #	15
74) 1,2,4-Trimethylbenzene	16.86	105	43642	0.138	ppbv #	72
79) Naphthalene	22.34	128	266958	0.815	ppbv #	97
80) Naphthalene,2-methyl-	25.06	142	10168	0.099	ppbv	99

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

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Misc : 400ml/MSV0A_L
ALS Vial : 1 Sample Multiplier: 1



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 866

Delta R.T. 0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2

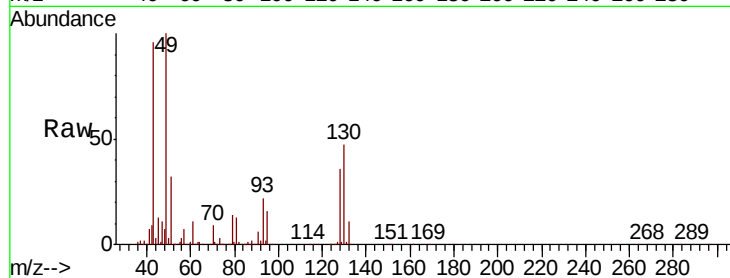
Tgt Ion: 49 Resp: 1040235

Ion Ratio Lower Upper

49 100

128 37.5 19.5 58.5

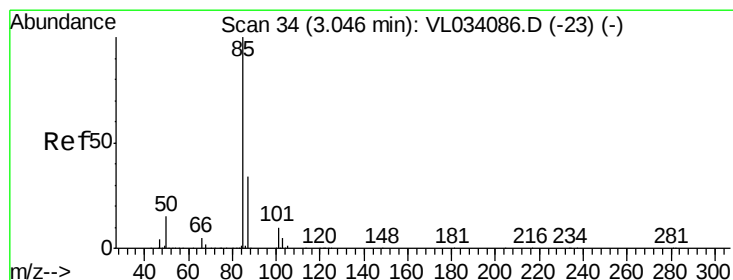
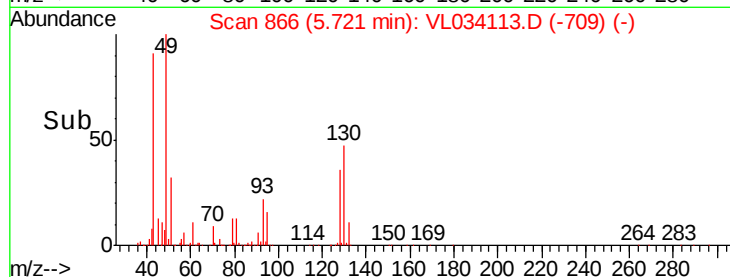
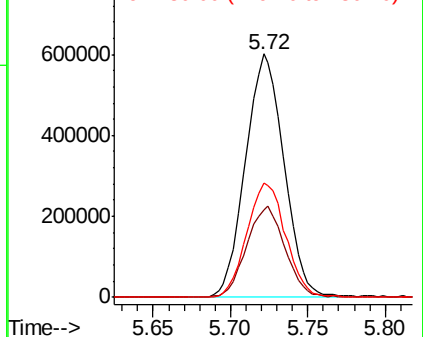
130 47.8 25.4 76.0



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: 0.341 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL034113.D

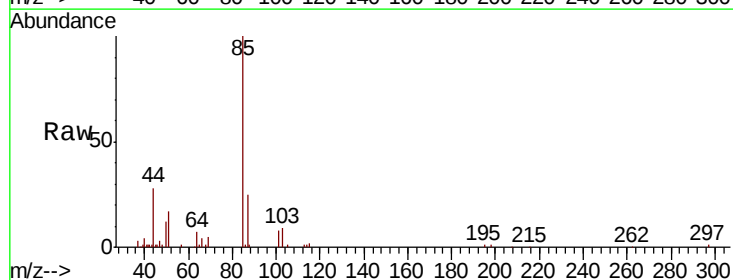
Acq: 12 Aug 2019 22:57

Tgt Ion: 85 Resp: 43656

Ion Ratio Lower Upper

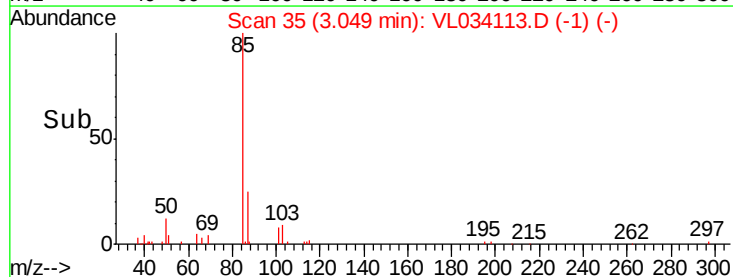
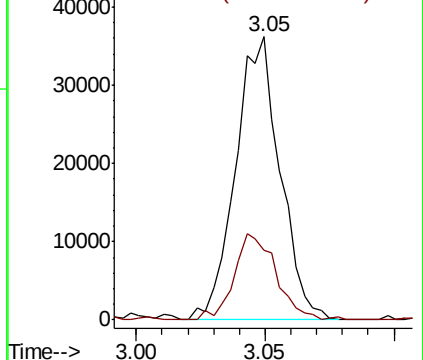
85 100

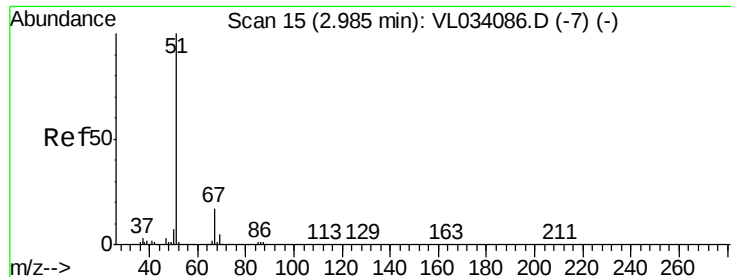
87 25.2 27.1 40.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.151 ppbv

RT: 3.03 min Scan# 28

Delta R.T. 0.04 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

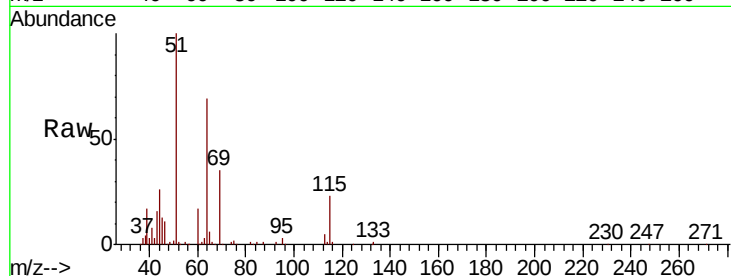
SRS-0807-VI2

Tgt Ion: 51 Resp: 138481

Ion Ratio Lower Upper

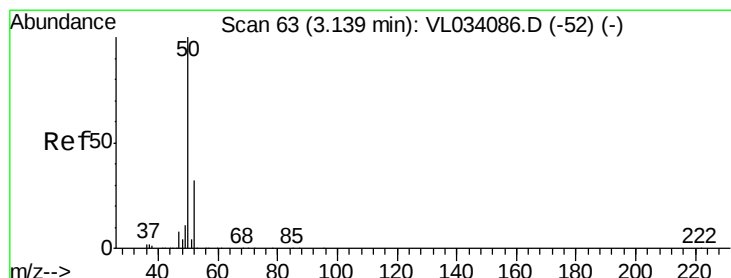
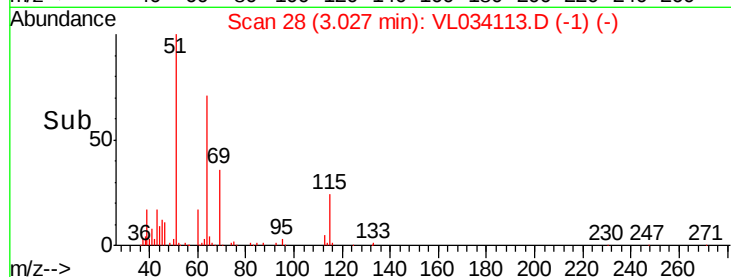
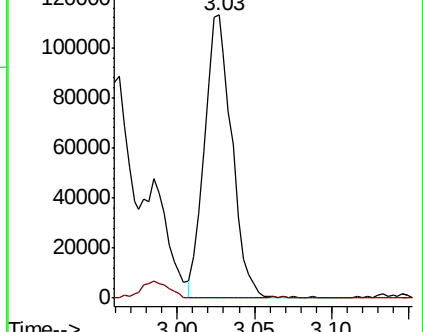
51 100

67 0.3 13.3 19.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.510 ppbv

RT: 3.14 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL034113.D

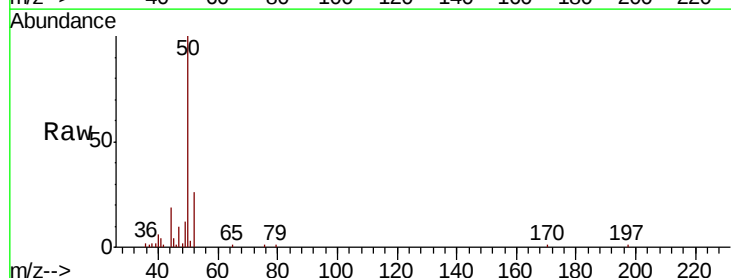
Acq: 12 Aug 2019 22:57

Tgt Ion: 50 Resp: 39523

Ion Ratio Lower Upper

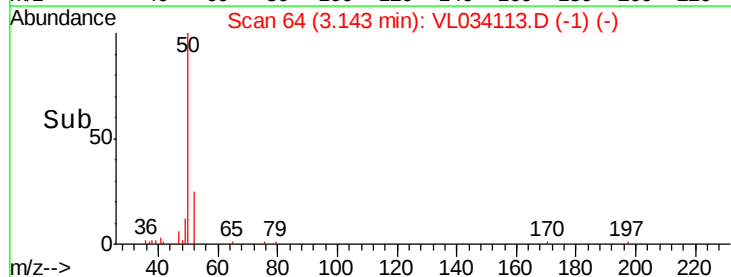
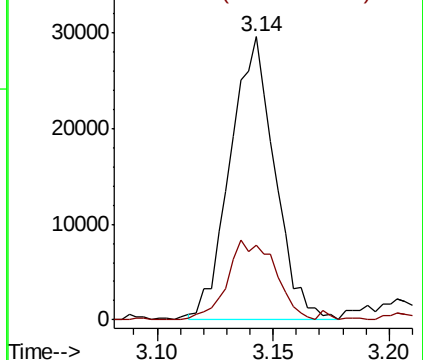
50 100

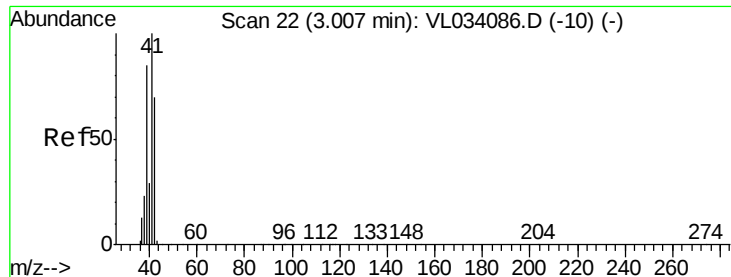
52 26.3 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.362 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.35 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

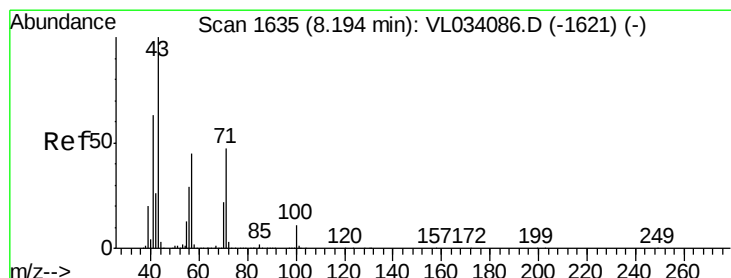
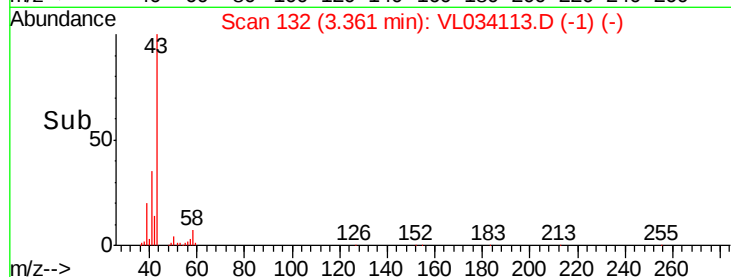
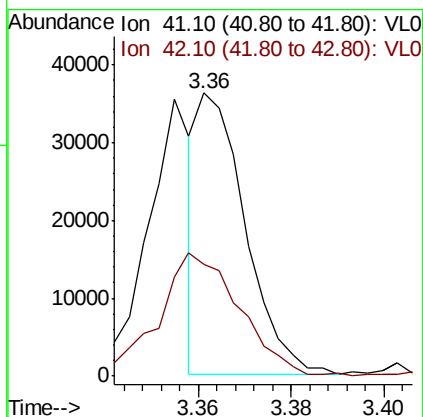
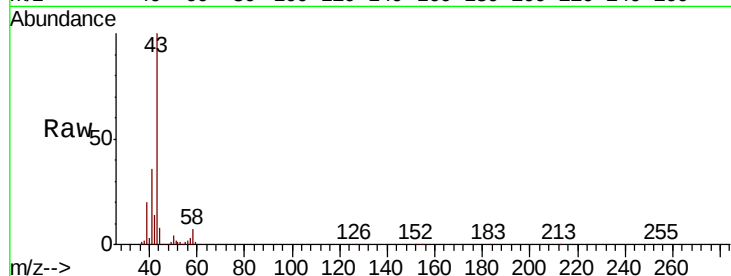
SRS-0807-VI2

Tgt Ion: 41 Resp: 25705

Ion Ratio Lower Upper

41 100

42 75.6 55.8 83.6



#10

Heptane

Concen: 0.062 ppbv

RT: 8.20 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VL034113.D

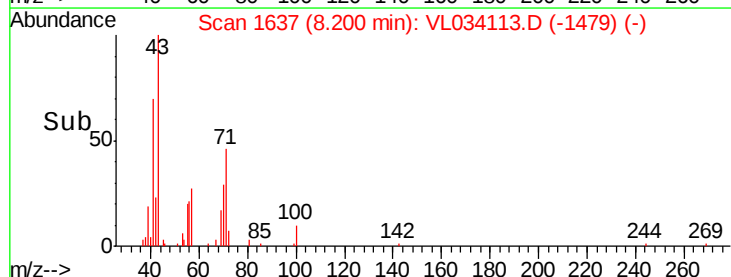
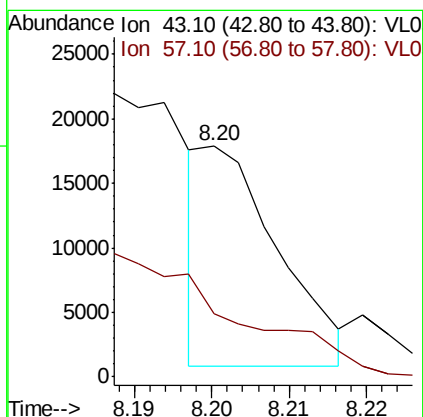
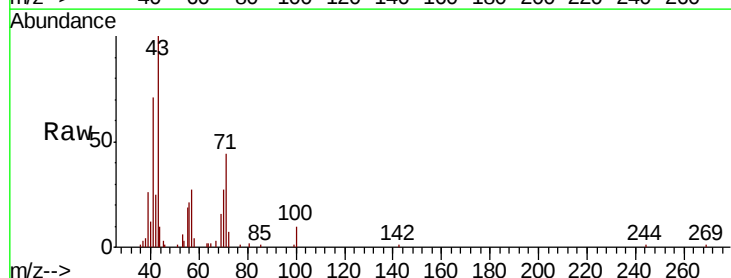
Acq: 12 Aug 2019 22:57

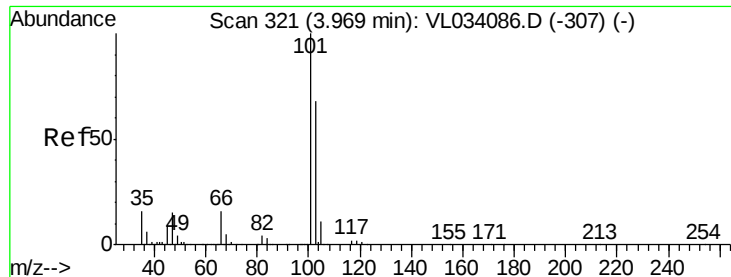
Tgt Ion: 43 Resp: 11429

Ion Ratio Lower Upper

43 100

57 0.0 37.2 55.8#





#11

Trichlorofluoromethane

Concen: 0.221 ppbv

RT: 3.97 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

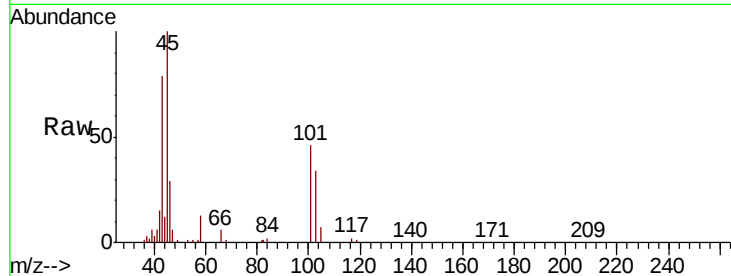
SRS-0807-VI2

Tgt Ion:101 Resp: 33557

Ion Ratio Lower Upper

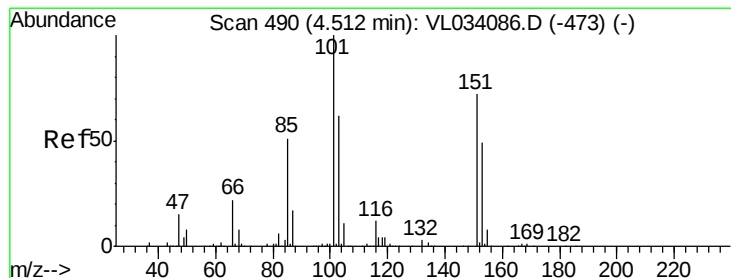
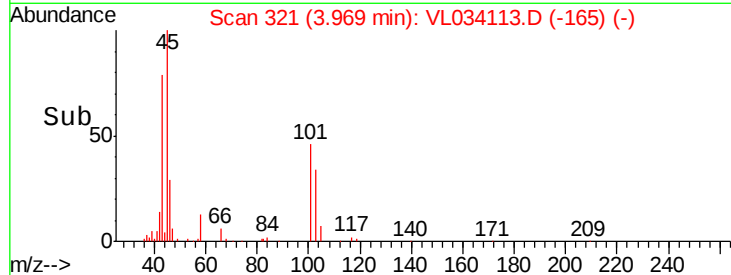
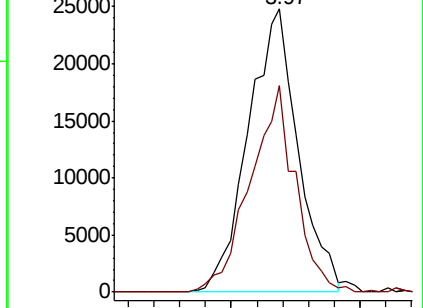
101 100

103 72.9 54.3 81.5



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: 0.042 ppbv

RT: 4.51 min Scan# 489

Delta R.T. -0.00 min

Lab File: VL034113.D

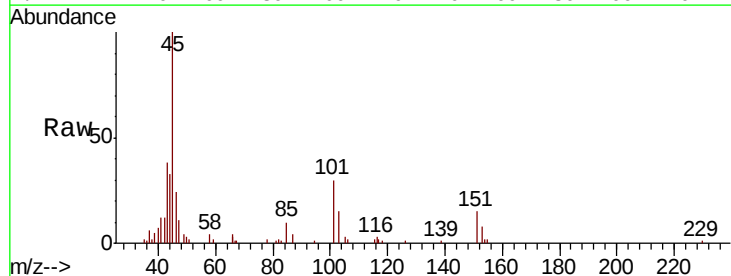
Acq: 12 Aug 2019 22:57

Tgt Ion:101 Resp: 4527

Ion Ratio Lower Upper

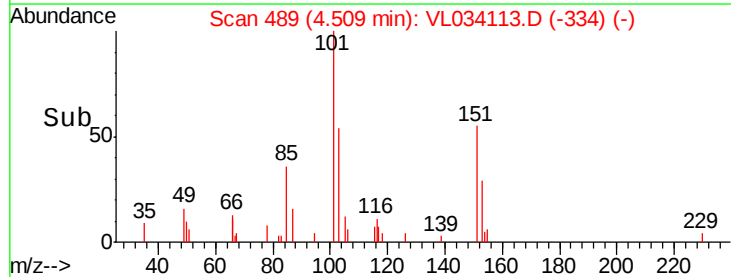
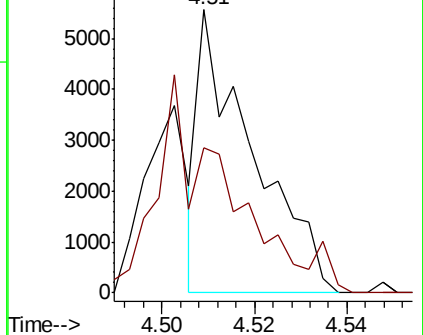
101 100

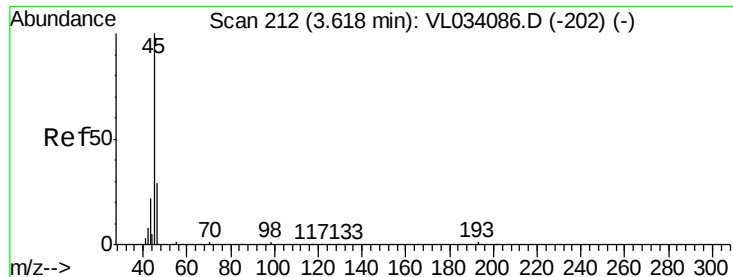
151 0.0 59.4 89.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

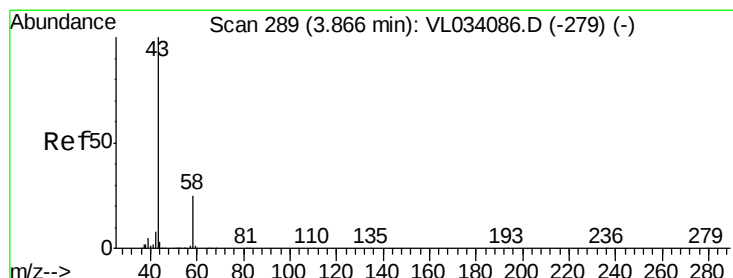
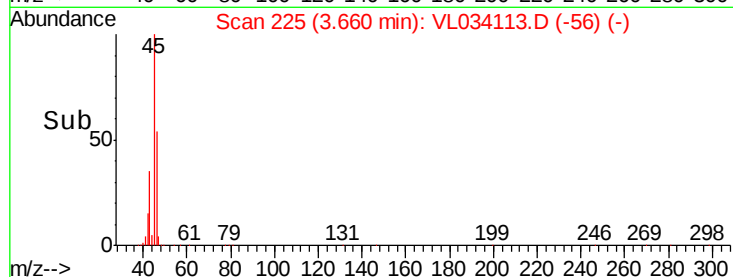
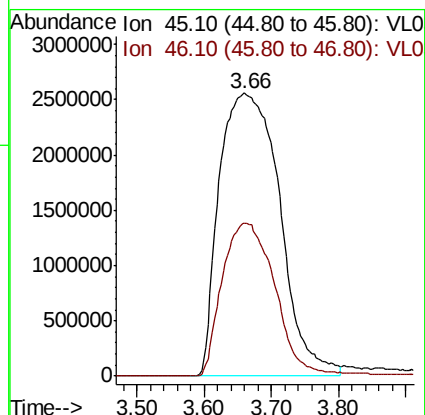
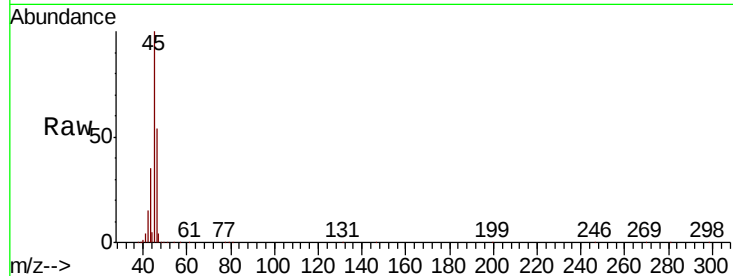




#13
Ethanol
Concen: 797.411 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.04 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

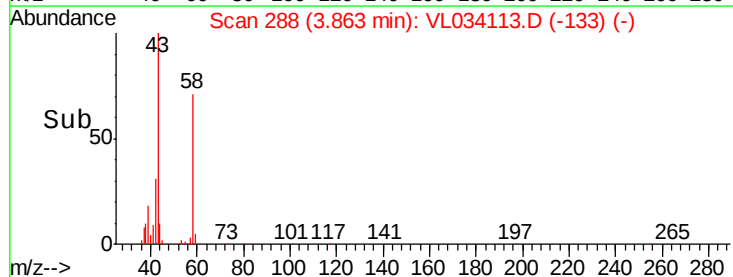
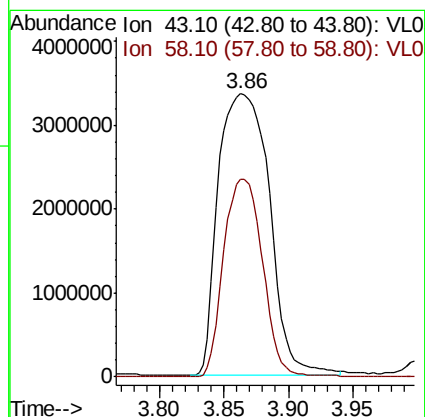
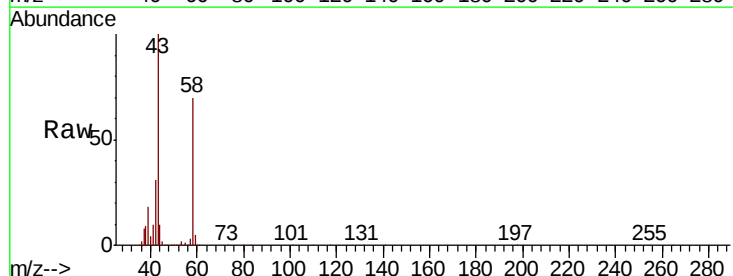
Instrument :
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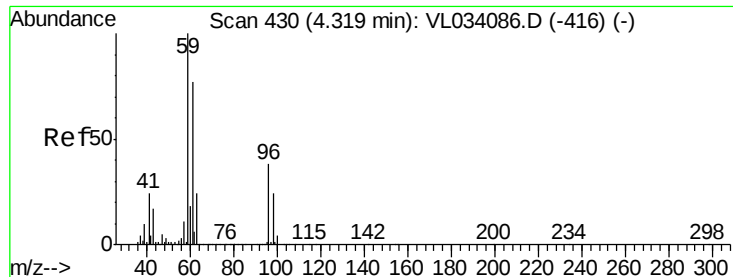
Tgt Ion: 45 Resp:15936685
Ion Ratio Lower Upper
45 100
46 47.6 14.9 59.5



#15
Acetone
Concen: 62.197 ppbv
RT: 3.86 min Scan# 288
Delta R.T. -0.00 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

Tgt Ion: 43 Resp: 9245445
Ion Ratio Lower Upper
43 100
58 53.8 20.6 30.8#





#17

tert-Butyl alcohol

Concen: 0.222 ppbv

RT: 4.34 min Scan# 436

Delta R.T. 0.02 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

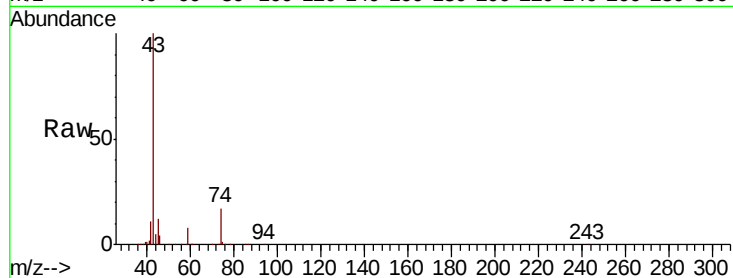
SRS-0807-VI2

Tgt Ion: 59 Resp: 30801

Ion Ratio Lower Upper

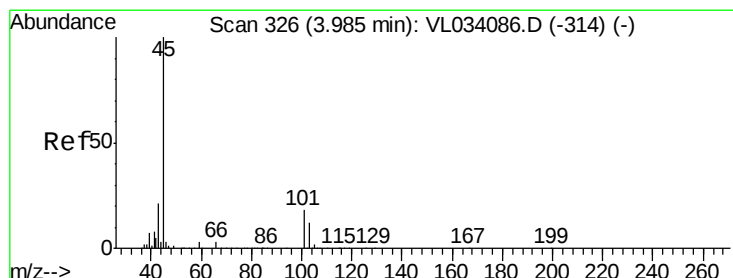
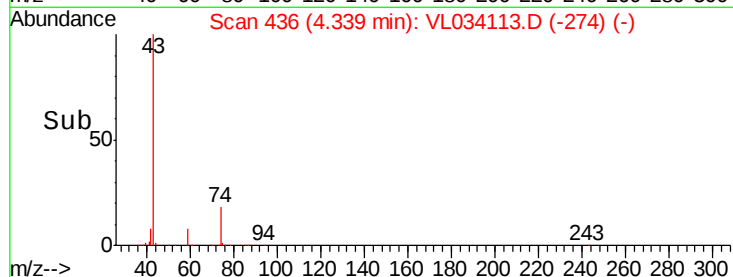
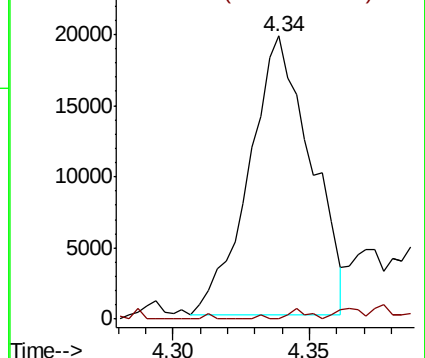
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 45.629 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.05 min

Lab File: VL034113.D

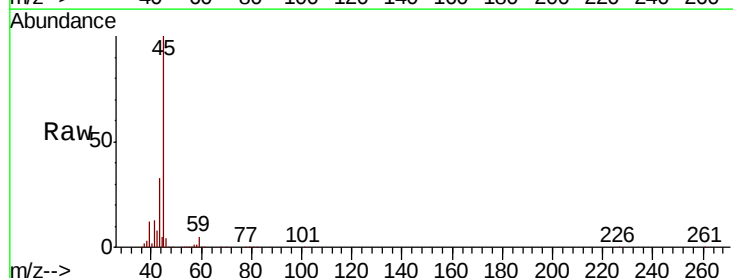
Acq: 12 Aug 2019 22:57

Tgt Ion: 45 Resp: 5281251

Ion Ratio Lower Upper

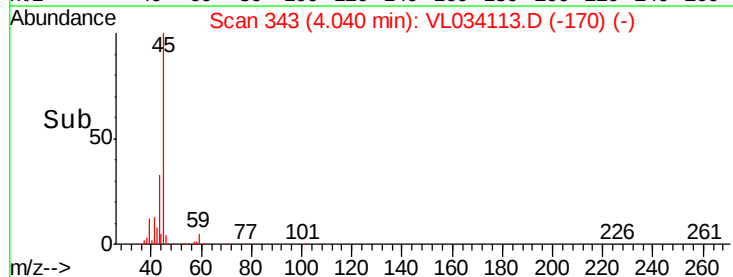
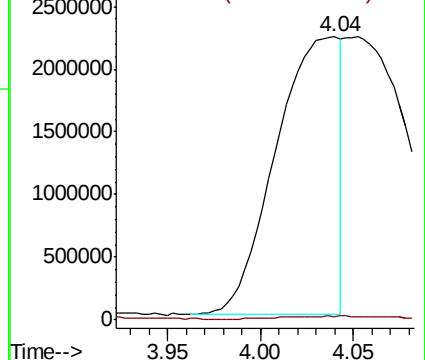
45 100

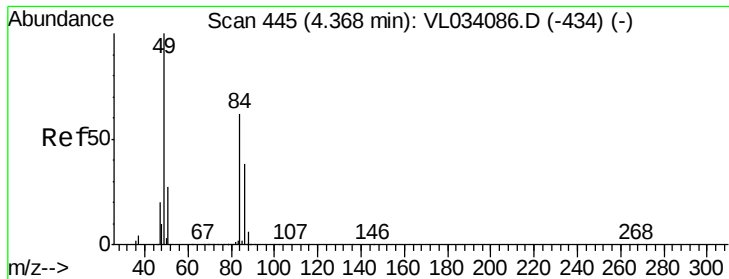
58 3.1 24.6 37.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

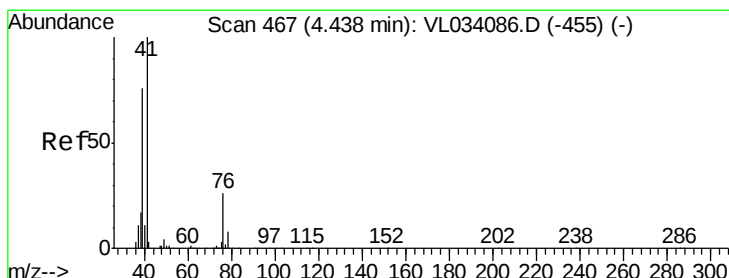
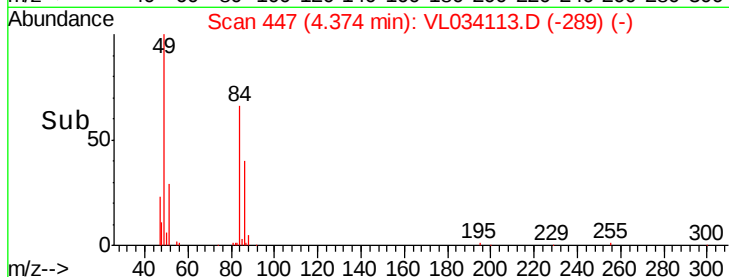
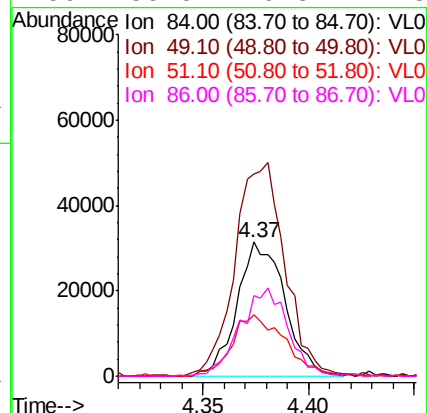
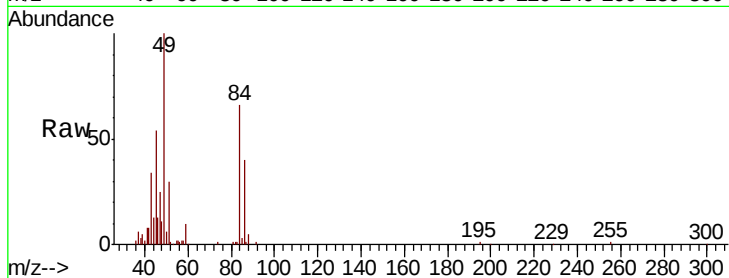




#20
Methylene Chloride
Concen: 1.107 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.01 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

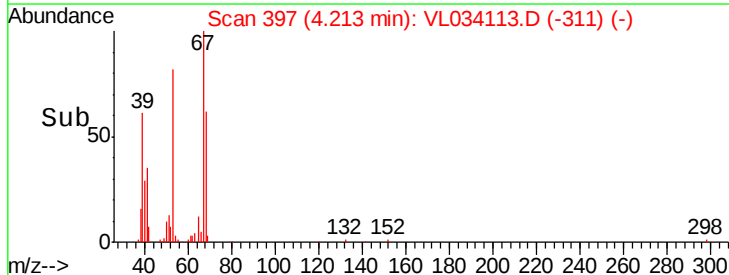
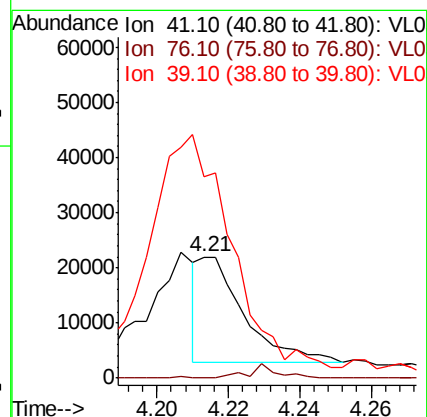
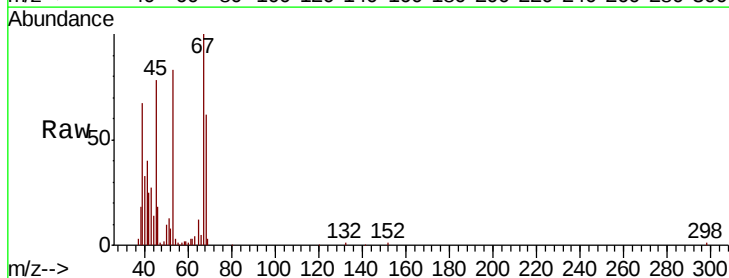
Instrument :
MSVOA_L
ClientSampleId :
SRS-0807-VI2

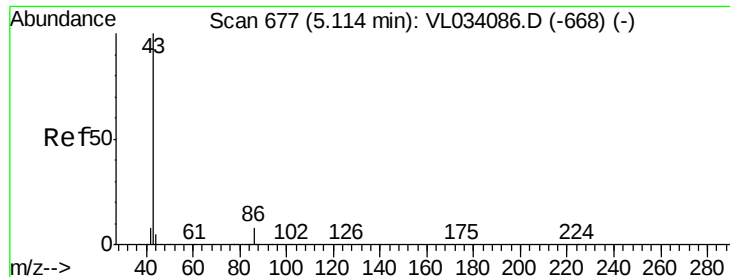
Tgt Ion:	84	Resp:	49366
Ion	Ratio	Lower	Upper
84	100		
49	148.9	129.7	194.5
51	47.2	35.8	53.8
86	58.8	49.8	74.8



#21
Allyl Chloride
Concen: 0.163 ppbv
RT: 4.21 min Scan# 397
Delta R.T. -0.23 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

Tgt Ion:	41	Resp:	16793
Ion	Ratio	Lower	Upper
41	100		
76	8.3	20.8	31.2#
39	404.3	61.3	91.9#





#23

Vinyl Acetate

Concen: 0.216 ppbv

RT: 5.10 min Scan# 673

Delta R.T. -0.01 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2

Tgt Ion: 43 Resp: 53243

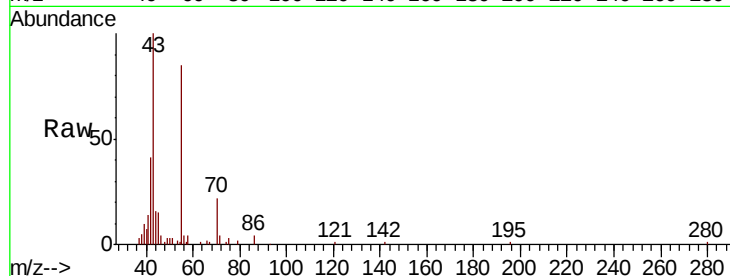
Ion Ratio Lower Upper

43 100

86 4.0 5.4 8.0#

42 40.3 7.9 11.9#

44 6.0 4.0 6.0#

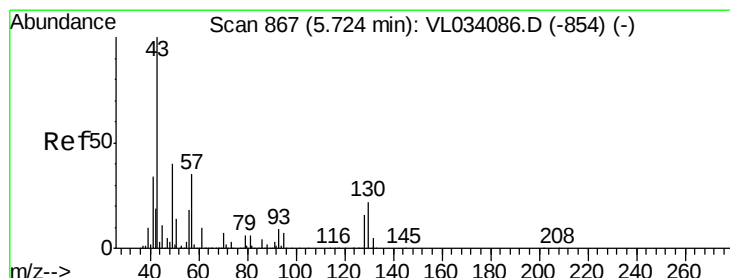
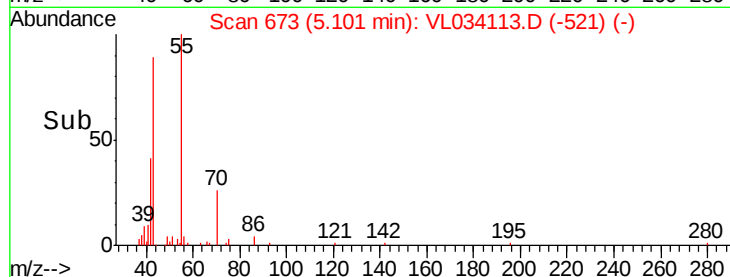
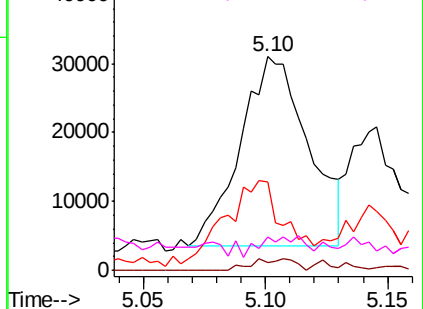


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 3.673 ppbv

RT: 5.72 min Scan# 865

Delta R.T. -0.01 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Tgt Ion: 43 Resp: 1074034

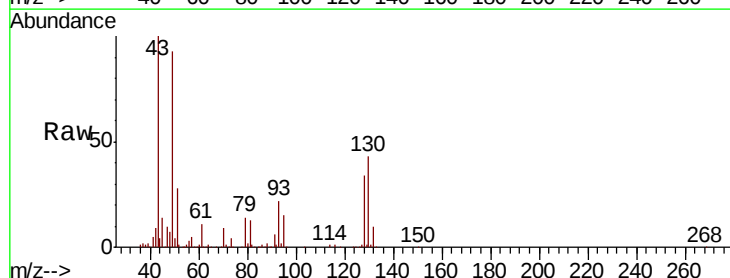
Ion Ratio Lower Upper

43 100

45 13.8 8.4 12.6#

61 11.7 7.3 10.9#

70 9.1 5.8 8.6#

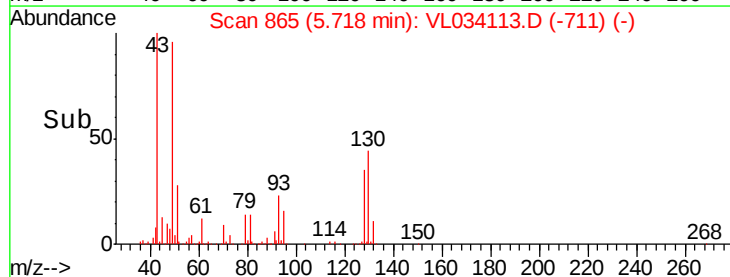
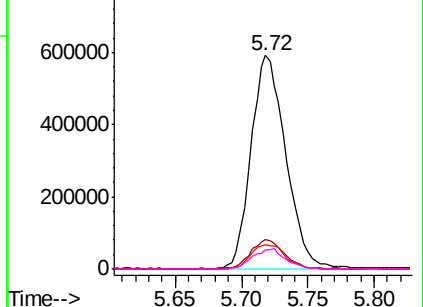


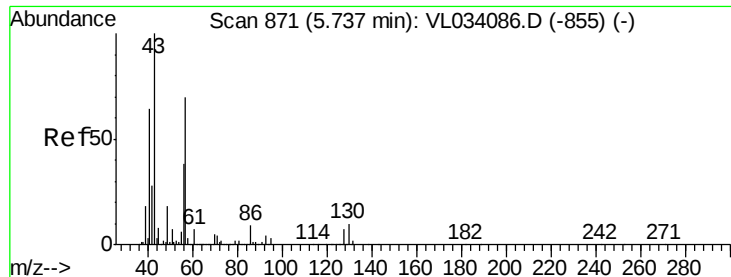
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

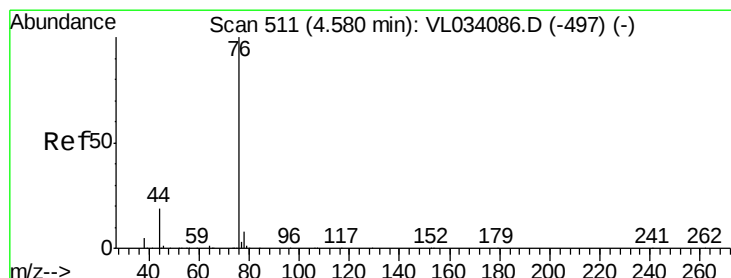
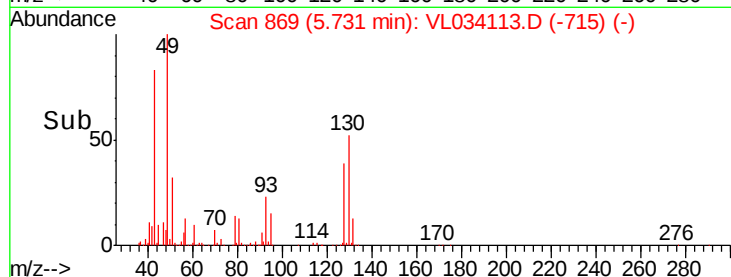
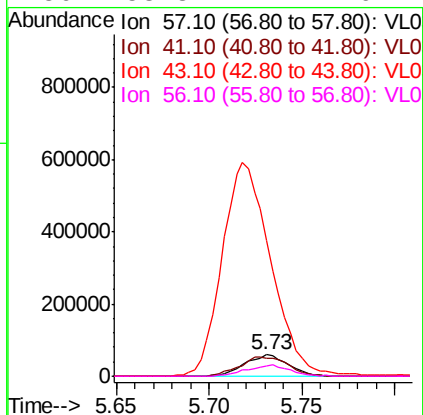
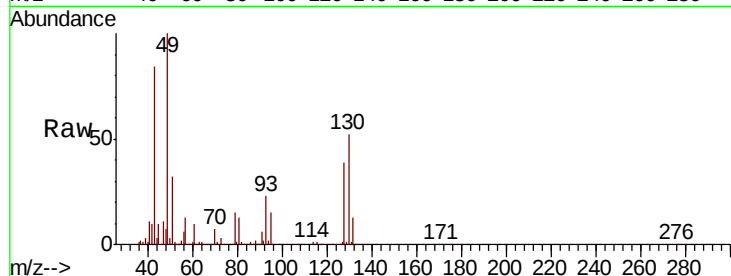




#26
Hexane
Concen: 0.790 ppbv
RT: 5.73 min Scan# 869
Delta R.T. -0.01 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

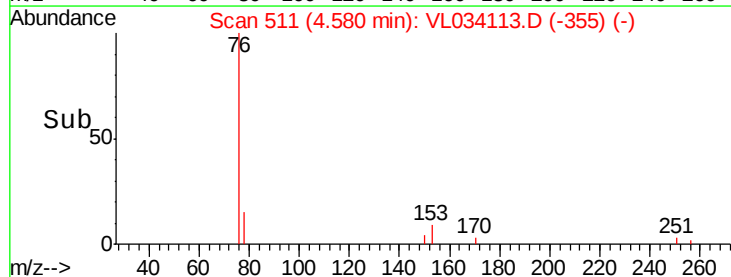
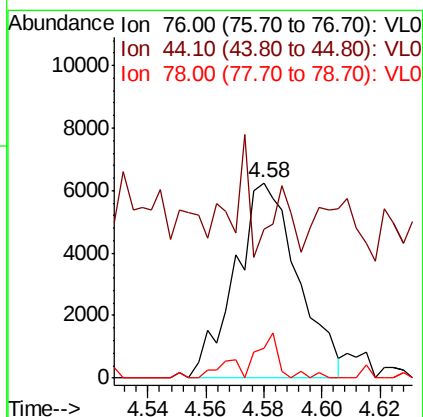
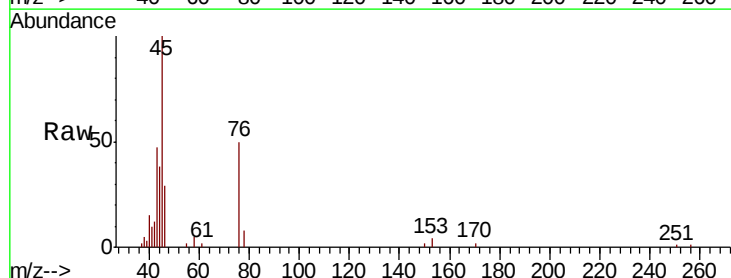
Instrument :
MSVOA_L
ClientSampleId :
SRS-0807-VI2

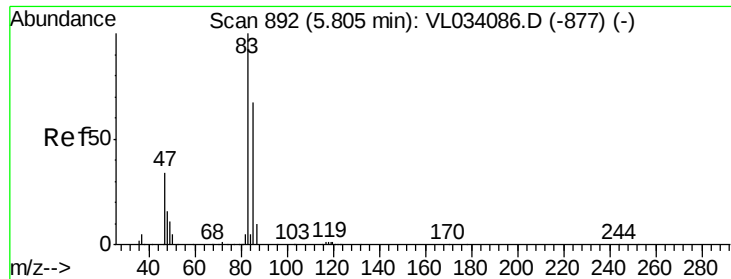
Tgt Ion: 57 Resp: 97882
Ion Ratio Lower Upper
57 100
41 102.6 75.7 113.5
43 1109.1 189.8 284.8#
56 53.3 42.7 64.1



#27
Carbon Disulfide
Concen: 0.072 ppbv
RT: 4.58 min Scan# 511
Delta R.T. 0.00 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

Tgt Ion: 76 Resp: 9361
Ion Ratio Lower Upper
76 100
44 62.1 17.8 26.6#
78 11.5 7.7 11.5

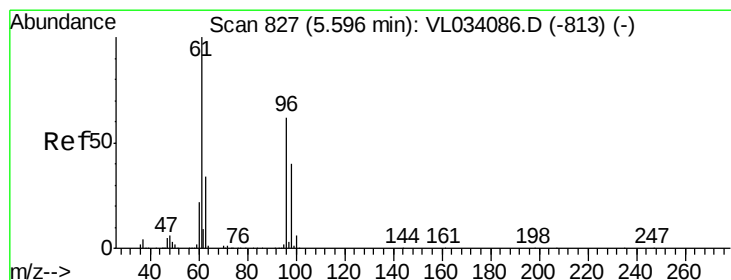
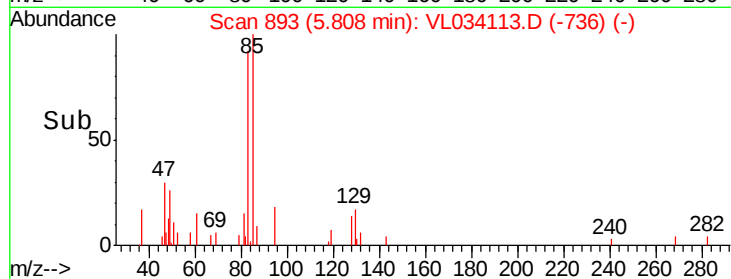
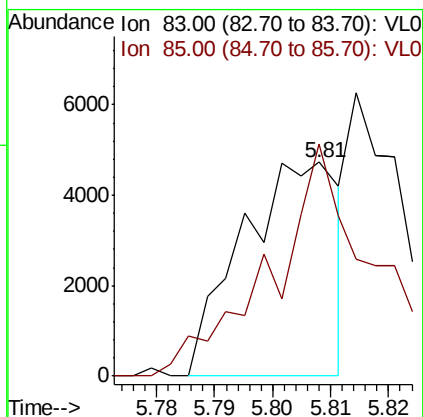
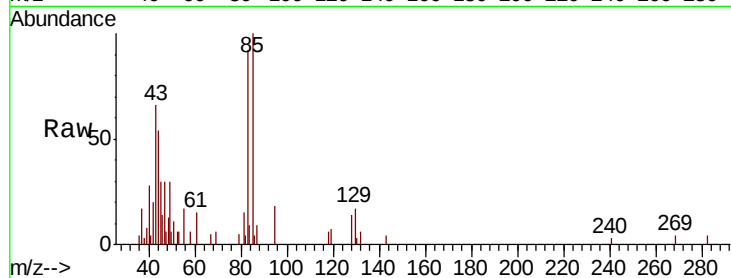




#29
Chloroform
Concen: 0.033 ppbv
RT: 5.81 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

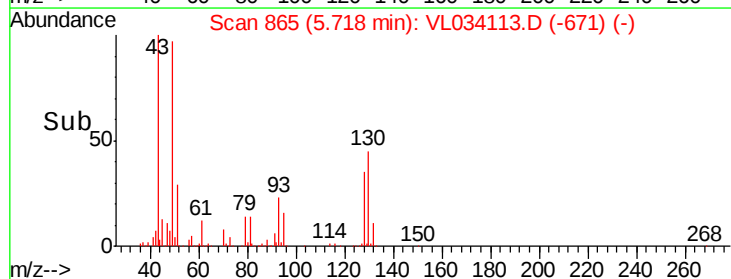
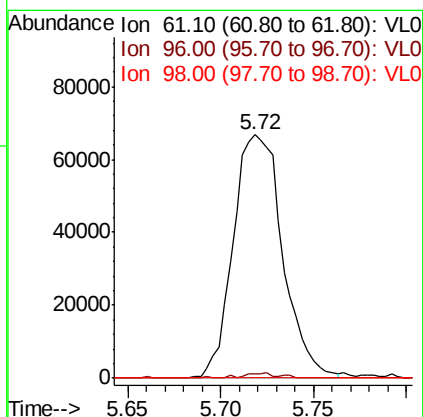
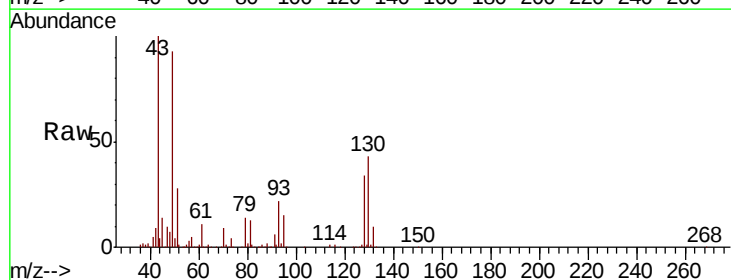
Instrument :
MSVOA_L
ClientSampleId :
SRS-0807-VI2

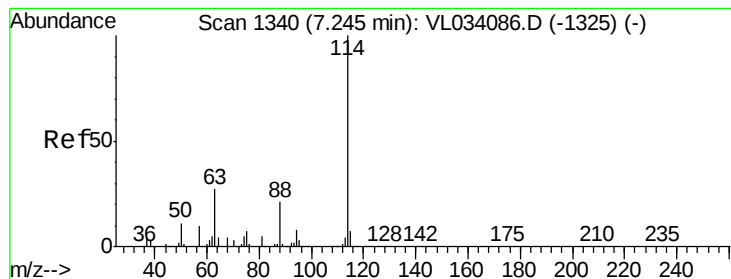
Tgt Ion: 83 Resp: 5509
Ion Ratio Lower Upper
83 100
85 89.4 53.2 79.8#



#31
cis-1,2-Dichloroethene
Concen: 1.011 ppbv
RT: 5.72 min Scan# 865
Delta R.T. 0.12 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

Tgt Ion: 61 Resp: 123739
Ion Ratio Lower Upper
61 100
96 1.8 49.3 73.9#
98 0.0 32.4 48.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2

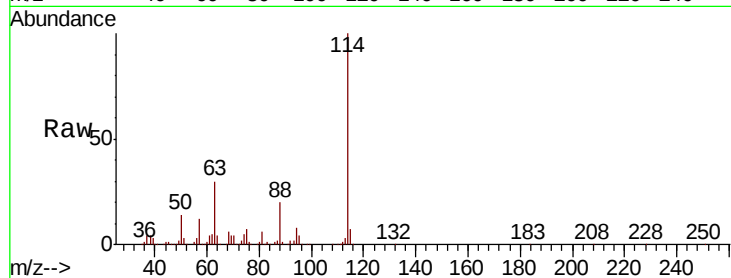
Tgt Ion:114 Resp: 1976624

Ion Ratio Lower Upper

114 100

63 30.4 22.5 33.7

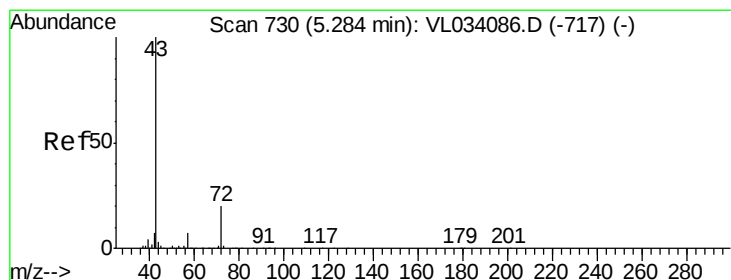
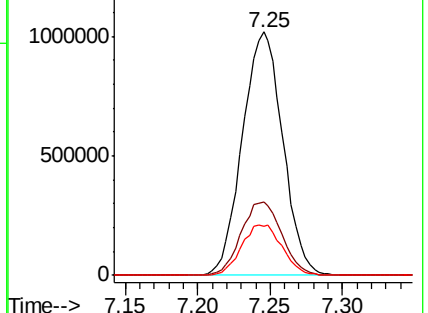
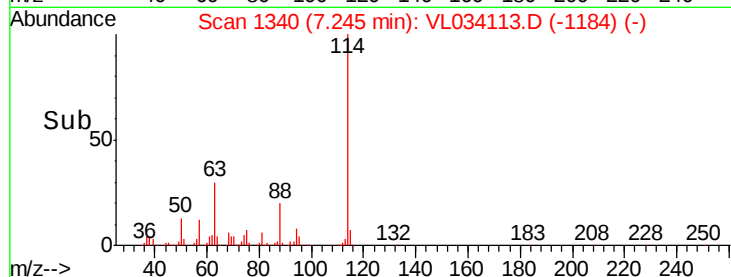
88 20.8 15.7 23.5



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: 0.522 ppbv

RT: 5.29 min Scan# 731

Delta R.T. 0.00 min

Lab File: VL034113.D

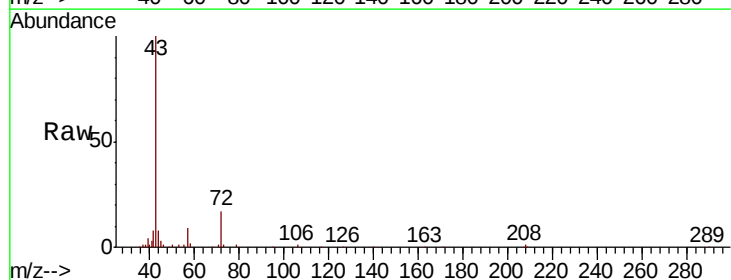
Acq: 12 Aug 2019 22:57

Tgt Ion: 43 Resp: 95967

Ion Ratio Lower Upper

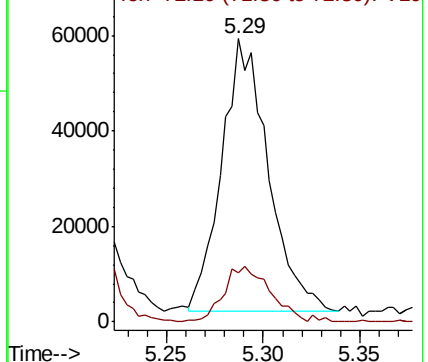
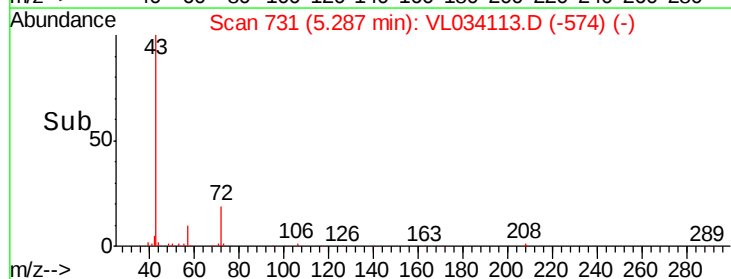
43 100

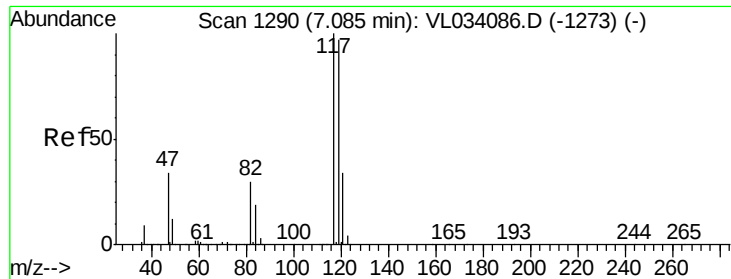
72 20.5 16.0 24.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.031 ppbv

RT: 7.08 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2

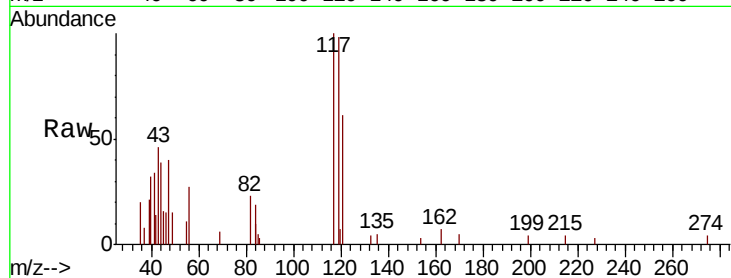
Tgt Ion:117 Resp: 4695

Ion Ratio Lower Upper

117 100

119 102.4 77.8 116.6

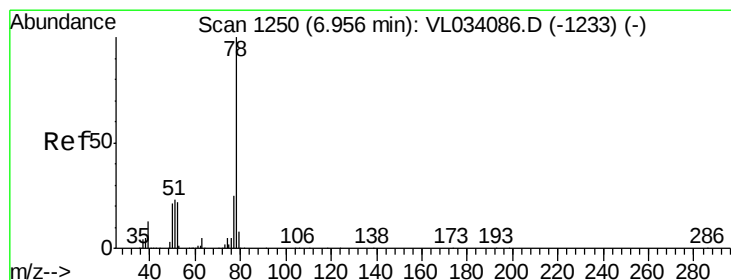
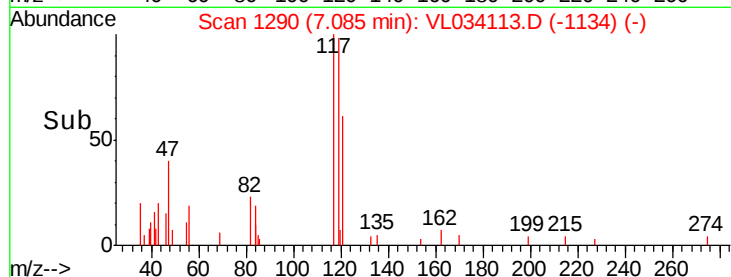
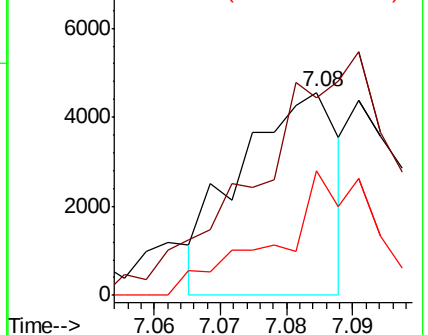
121 65.7 27.4 41.2#



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: 0.186 ppbv

RT: 6.96 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

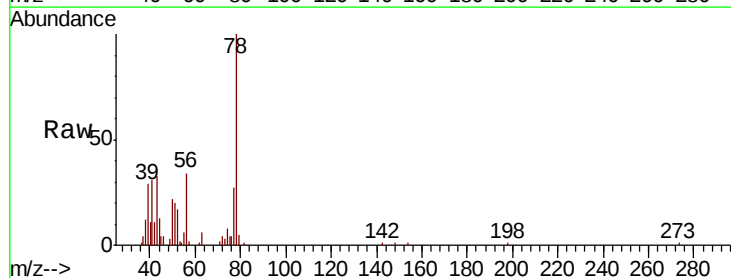
Tgt Ion: 78 Resp: 41775

Ion Ratio Lower Upper

78 100

77 27.2 19.9 29.9

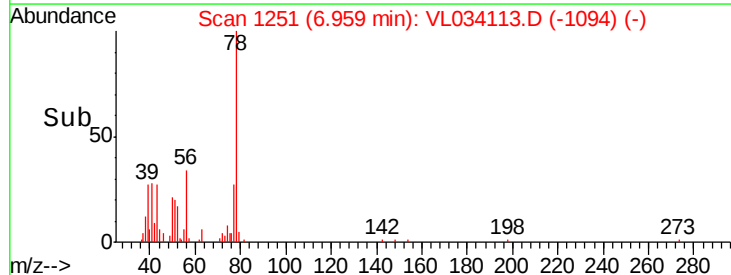
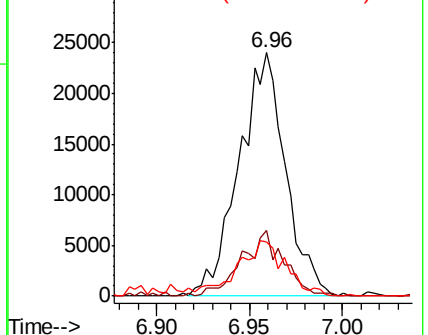
50 22.4 16.7 25.1

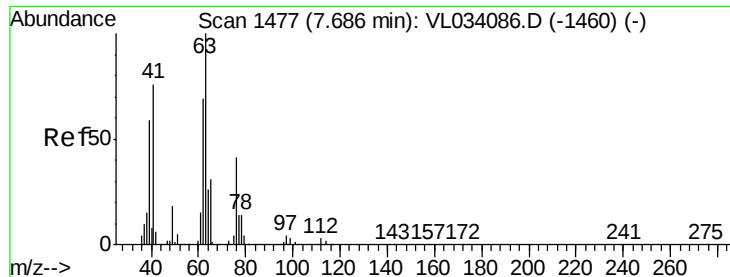


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 6.593 ppbv

RT: 7.25 min Scan# 1340

Delta R.T. -0.44 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2

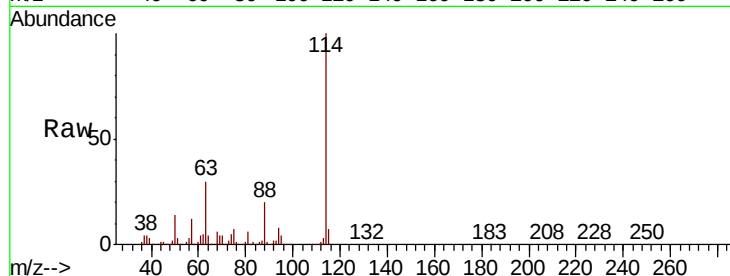
Tgt Ion: 63 Resp: 597688

Ion Ratio Lower Upper

63 100

41 0.0 60.6 91.0#

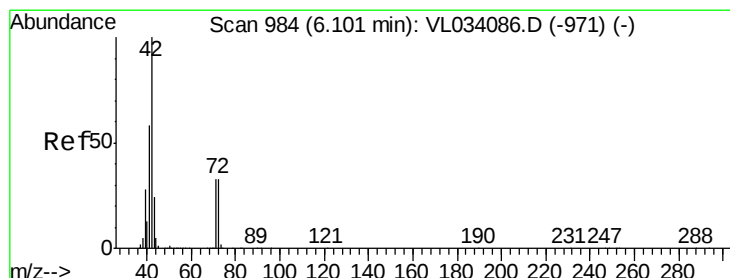
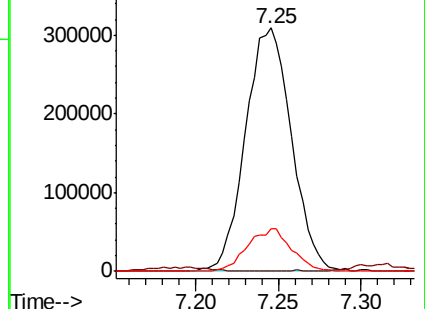
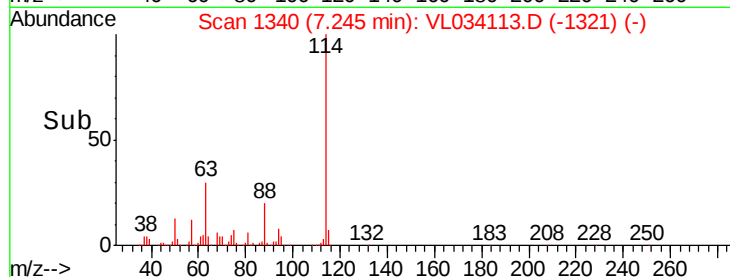
62 17.6 55.0 82.6#



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: 0.052 ppbv

RT: 6.10 min Scan# 985

Delta R.T. 0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

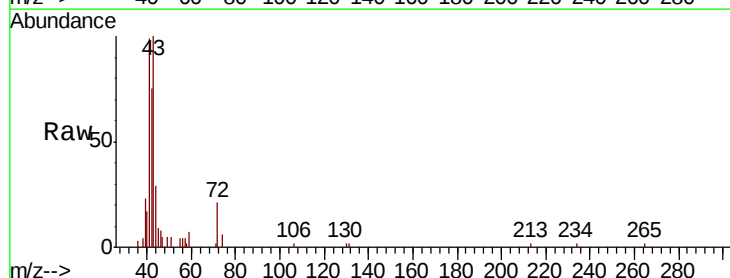
Tgt Ion: 42 Resp: 5872

Ion Ratio Lower Upper

42 100

72 66.0 26.9 40.3#

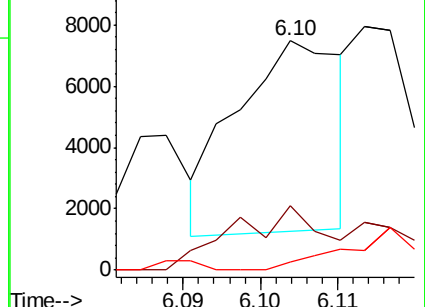
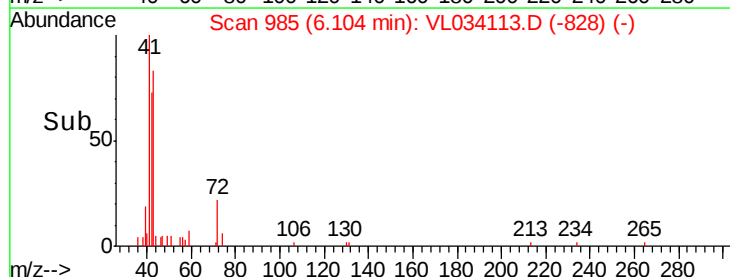
71 0.0 26.5 39.7#

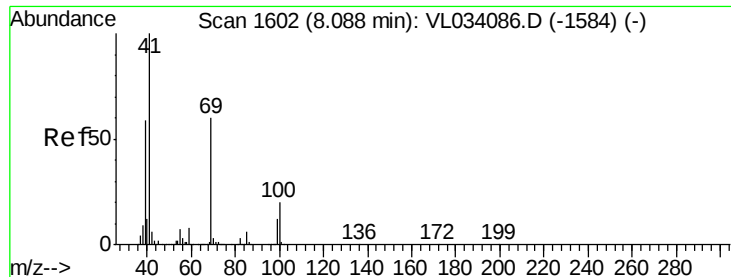


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

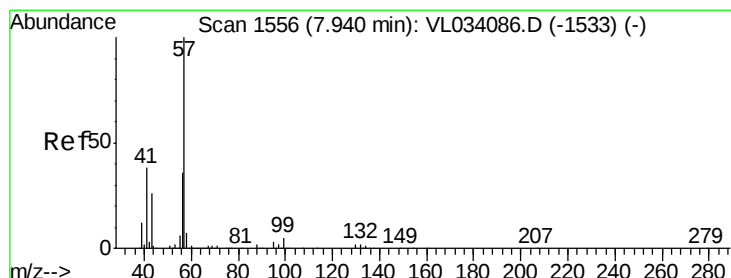
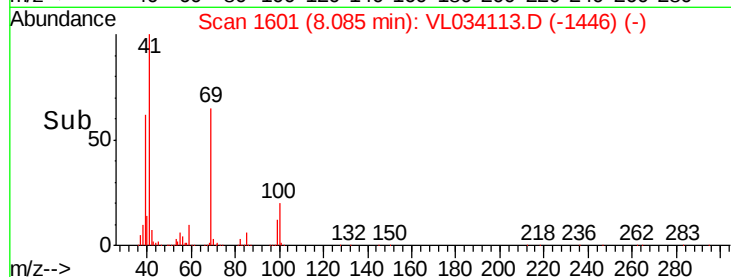
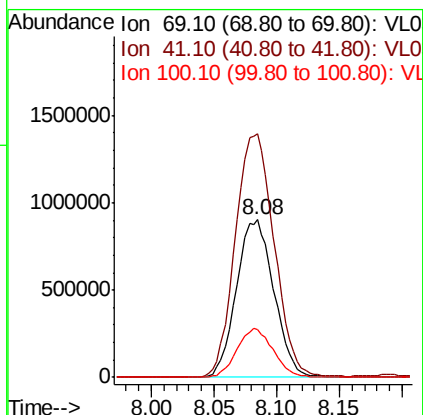
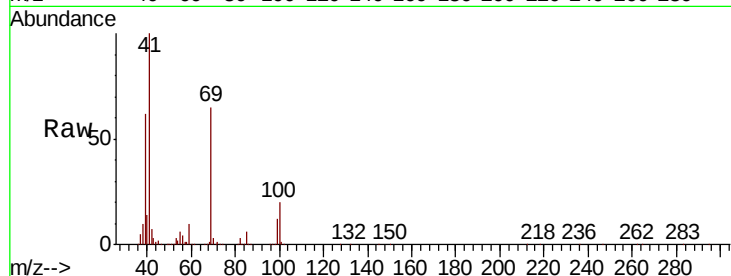




#43
Methyl Methacrylate
Concen: 20.289 ppbv
RT: 8.08 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

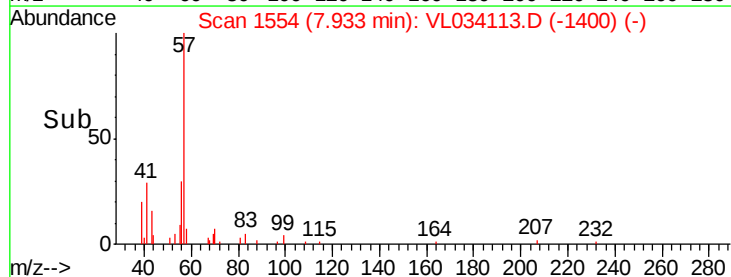
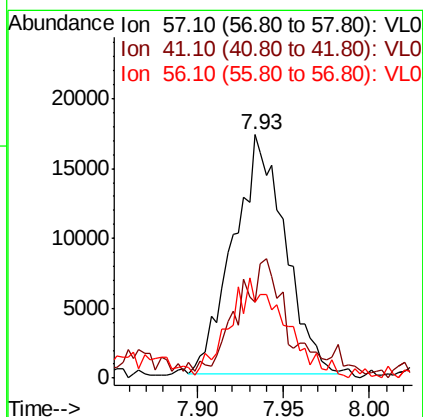
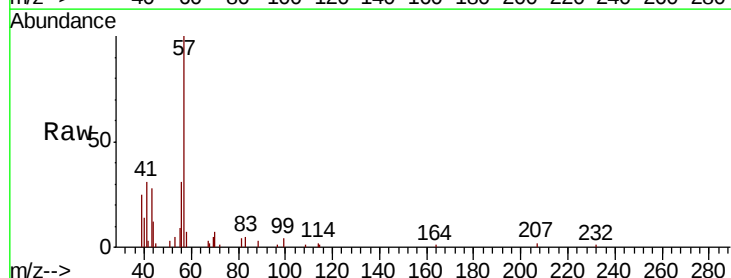
Instrument :
MSVOA_L
ClientSampleId :
SRS-0807-VI2

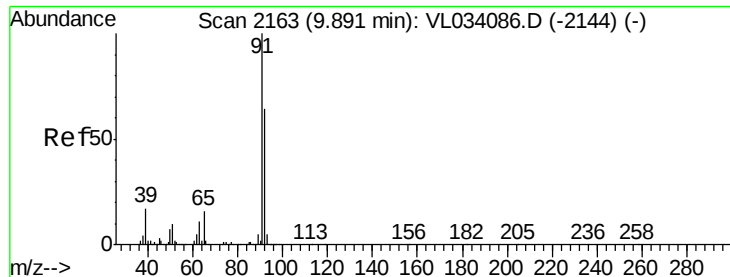
Tgt Ion: 69 Resp: 1869726
Ion Ratio Lower Upper
69 100
41 160.6 132.9 199.3
100 30.1 25.8 38.8



#44
2,2,4-Trimethylpentane
Concen: 0.089 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

Tgt Ion: 57 Resp: 35709
Ion Ratio Lower Upper
57 100
41 0.0 29.2 43.8#
56 46.4 26.7 40.1#





#53

Toluene

Concen: 8.774 ppbv

RT: 9.89 min Scan# 2162

Delta R.T. -0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

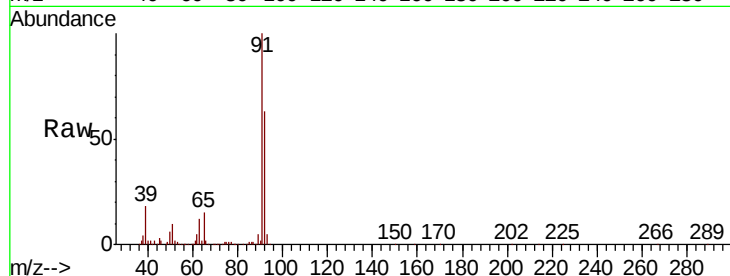
SRS-0807-VI2

Tgt Ion: 91 Resp: 2274696

Ion Ratio Lower Upper

91 100

92 61.1 50.3 75.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1200000

1000000

800000

600000

400000

200000

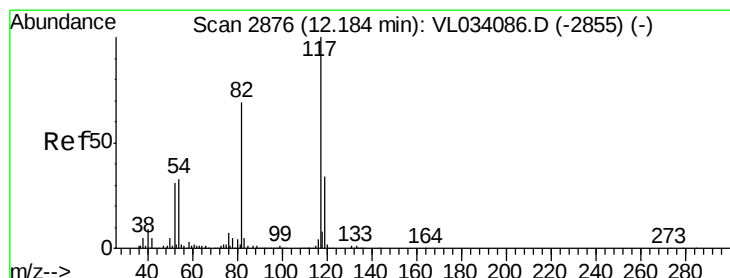
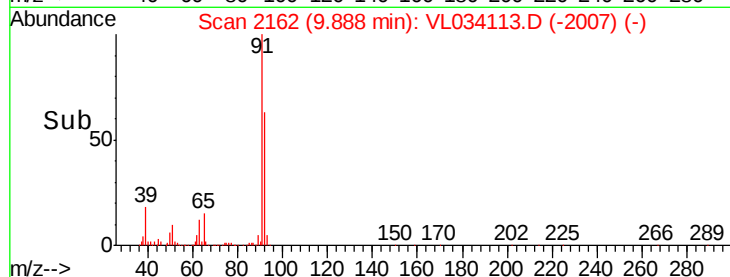
0

9.89

9.80

9.90

Time-->



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.18 min Scan# 2875

Delta R.T. -0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

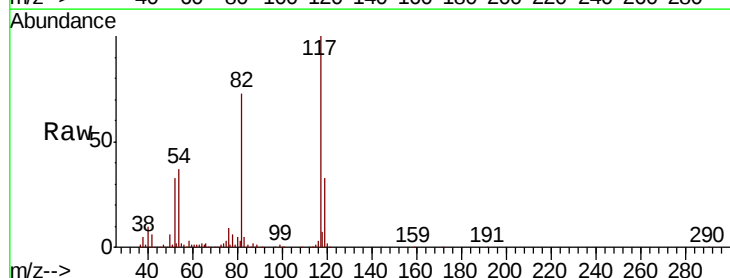
Tgt Ion: 117 Resp: 1986086

Ion Ratio Lower Upper

117 100

82 74.1 52.2 78.4

119 33.0 44.8 67.2#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

1000000

800000

600000

400000

200000

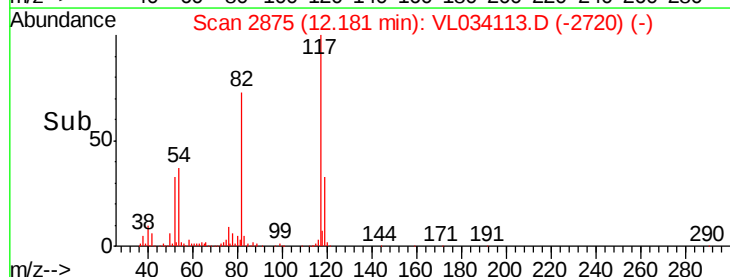
0

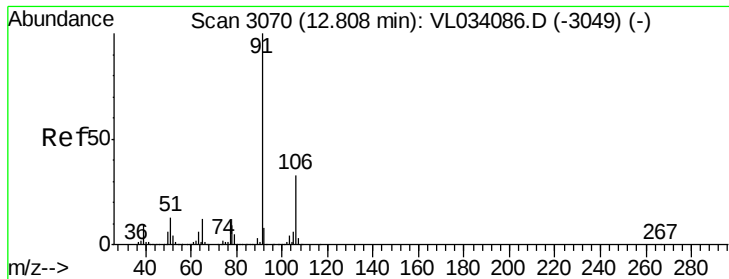
12.18

12.10

12.20

Time-->





#58

Ethyl Benzene

Concen: 0.111 ppbv

RT: 13.07 min Scan# 3152

Delta R.T. 0.26 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

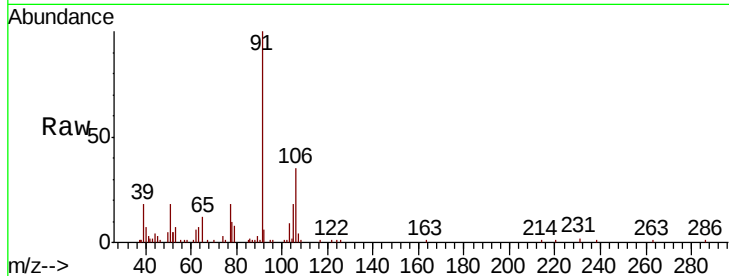
SRS-0807-VI2

Tgt Ion: 91 Resp: 36965

Ion Ratio Lower Upper

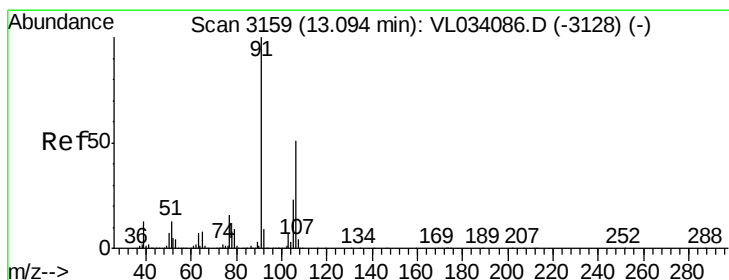
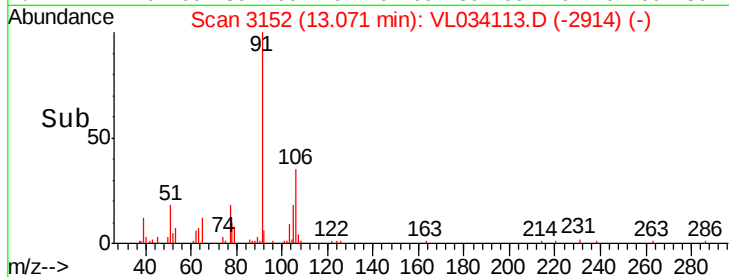
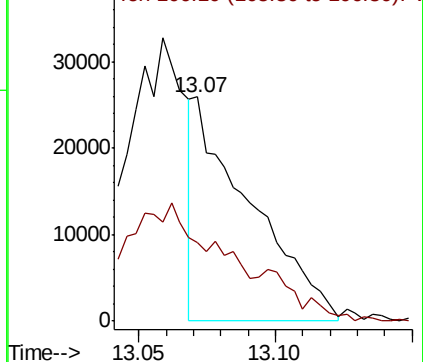
91 100

106 33.1 26.0 39.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.138 ppbv

RT: 13.07 min Scan# 3152

Delta R.T. -0.02 min

Lab File: VL034113.D

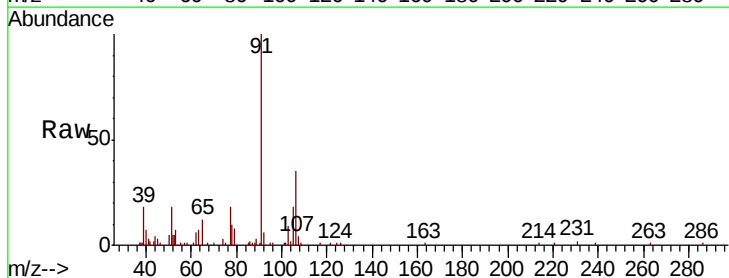
Acq: 12 Aug 2019 22:57

Tgt Ion: 91 Resp: 36965

Ion Ratio Lower Upper

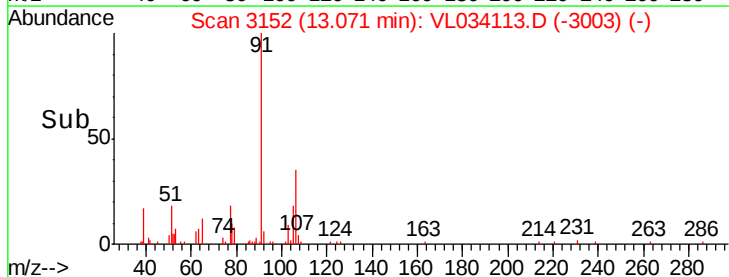
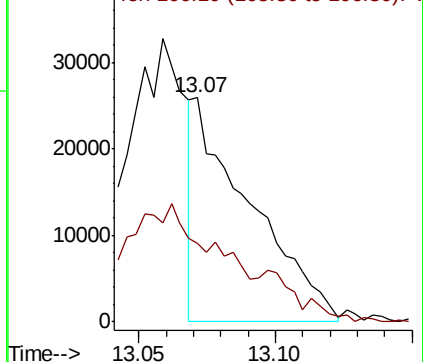
91 100

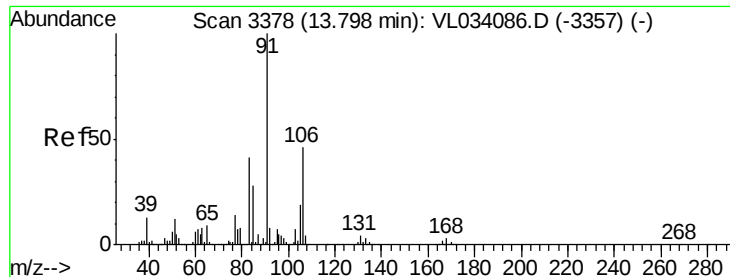
106 0.0 38.7 58.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

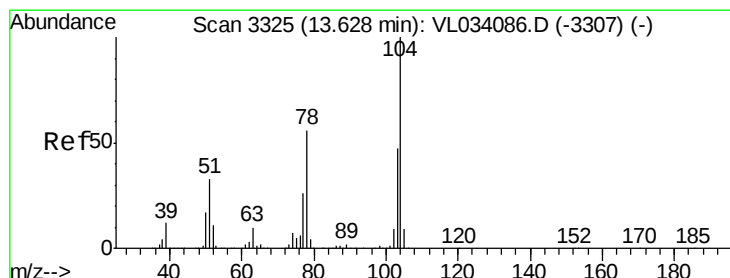
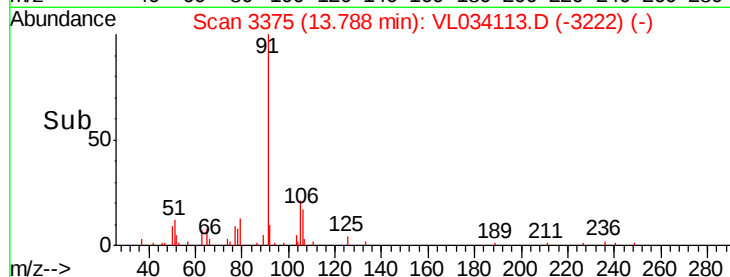
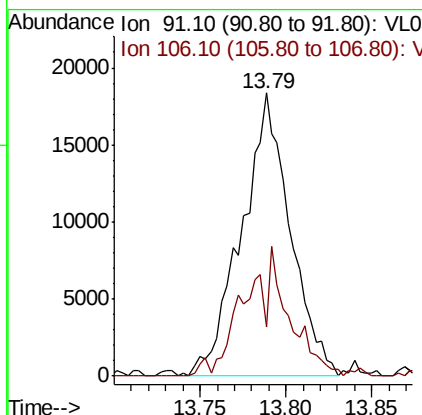
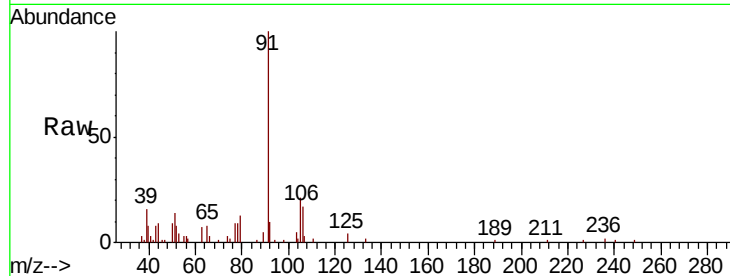




#60
o-Xylene
Concen: 0.134 ppbv
RT: 13.79 min Scan# 3375
Delta R.T. -0.01 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

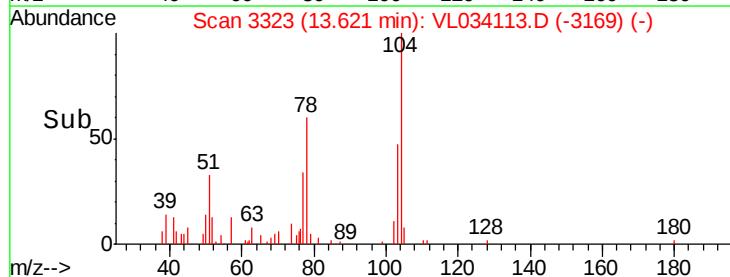
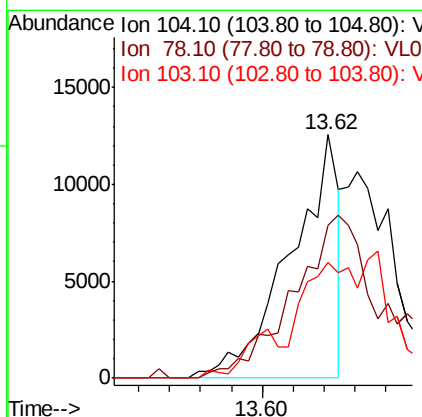
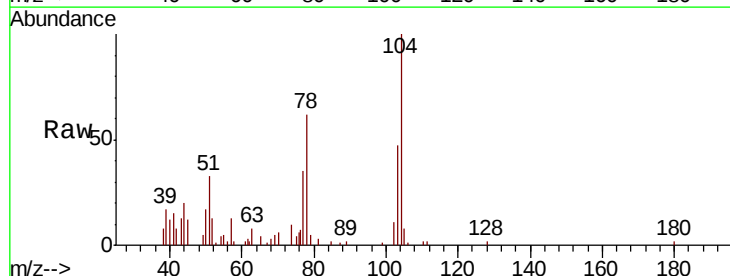
Instrument :
MSVOA_L
ClientSampleId :
SRS-0807-VI2

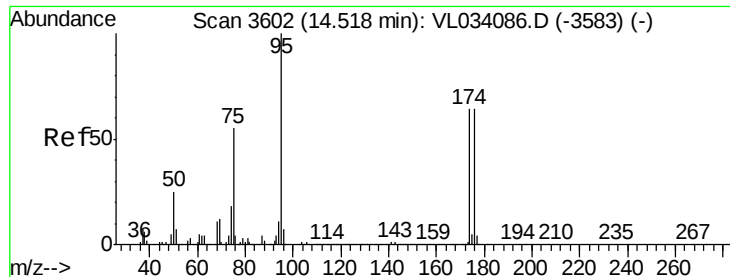
Tgt Ion: 91 Resp: 35996
Ion Ratio Lower Upper
91 100
106 42.9 22.6 67.7



#61
Styrene
Concen: 0.064 ppbv
RT: 13.62 min Scan# 3323
Delta R.T. -0.01 min
Lab File: VL034113.D
Acq: 12 Aug 2019 22:57

Tgt Ion: 104 Resp: 13532
Ion Ratio Lower Upper
104 100
78 125.3 44.2 66.4#
103 0.0 38.3 57.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.476 ppbv

RT: 14.52 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2

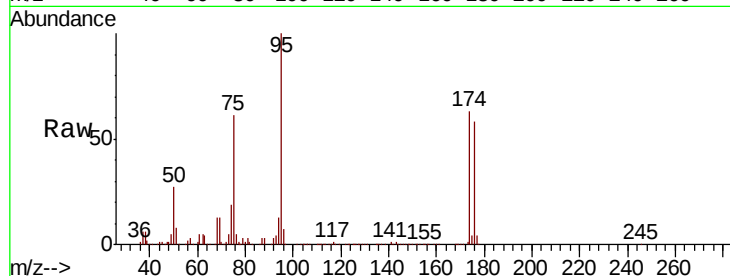
Tgt Ion: 95 Resp: 1688150

Ion Ratio Lower Upper

95 100

174 62.7 53.0 79.6

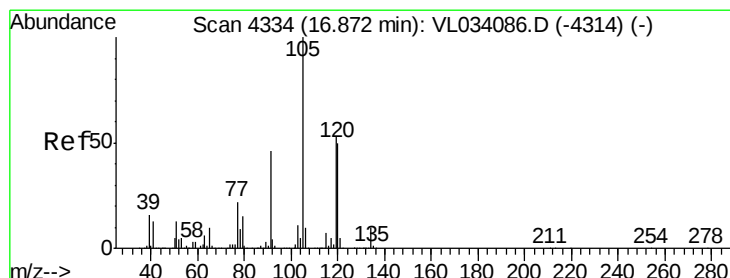
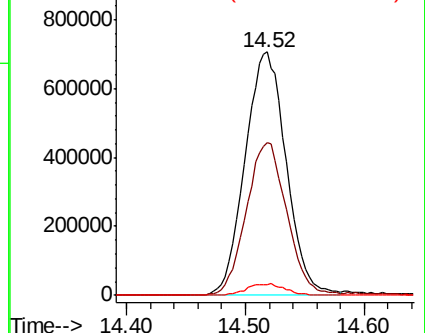
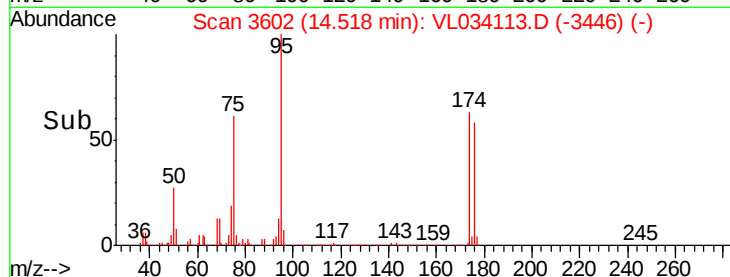
175 4.6 4.2 6.2



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.138 ppbv

RT: 16.86 min Scan# 4330

Delta R.T. -0.01 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Tgt Ion: 105 Resp: 43642

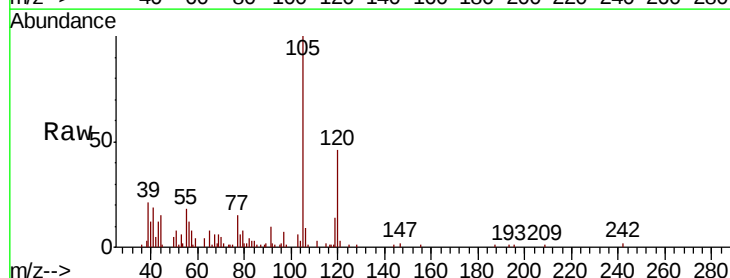
Ion Ratio Lower Upper

105 100

120 47.4 40.2 60.4

91 9.0 38.1 57.1#

77 14.6 17.8 26.8#

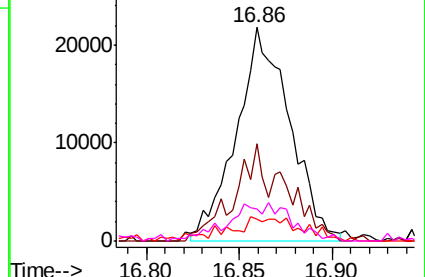
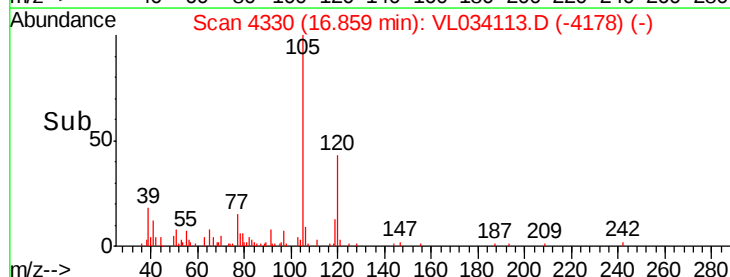


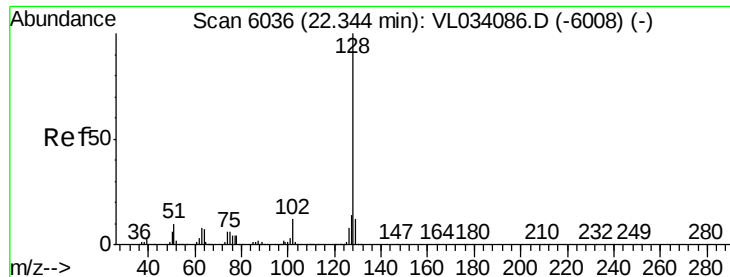
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.815 ppbv

RT: 22.34 min Scan# 6034

Delta R.T. -0.01 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

Instrument :

MSVOA_L

ClientSampleId :

SRS-0807-VI2

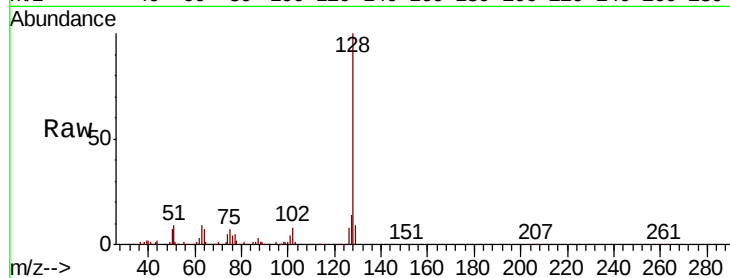
Tgt Ion:128 Resp: 266958

Ion Ratio Lower Upper

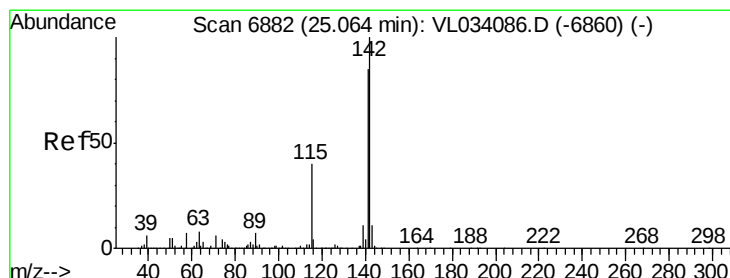
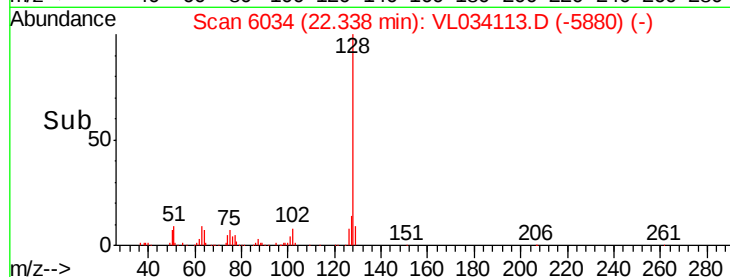
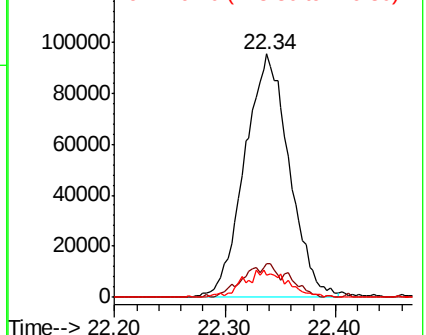
128 100

127 14.0 11.0 16.6

129 9.1 9.2 13.8#



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.099 ppbv

RT: 25.06 min Scan# 6882

Delta R.T. 0.00 min

Lab File: VL034113.D

Acq: 12 Aug 2019 22:57

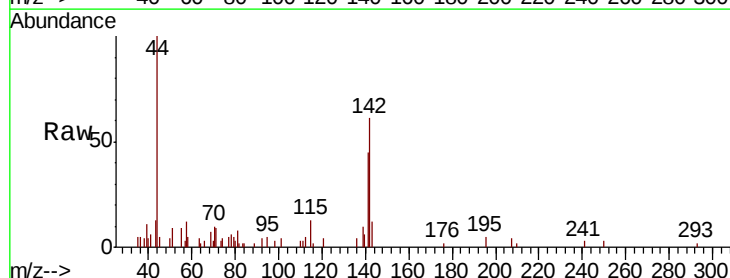
Tgt Ion:142 Resp: 10168

Ion Ratio Lower Upper

142 100

141 82.2 66.1 99.1

115 37.7 30.8 46.2



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

