

Data File : VL034021.D

Acq On : 11 Jul 2019 17:23

Operator : SY/AP

Sample : K3747-01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVS-1

Quant Time: Jul 12 07:01:12 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019

QLast Update : Tue Jul 02 19:31:31 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	980069	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	2735919	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.19	117	2846291	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2228517	9.18	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	14860	0.073	ppbv	94
3) Chlorodifluoromethane	3.00	51	47399	0.392	ppbv	92
4) Chloromethane	3.15	50	15156	0.218	ppbv	94
9) Propene	3.02	41	78407	1.761	ppbv #	14
10) Heptane	8.21	43	171503	1.538	ppbv	99
11) Trichlorofluoromethane	3.98	101	75190	0.331	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.53	101	13383	0.083	ppbv	87
13) Ethanol	3.63	45	357098	25.819	ppbv	93
15) Acetone	3.88	43	3347513	20.315	ppbv #	85
16) 1,3-Butadiene	3.32	39	197885	3.401	ppbv #	22
17) tert-Butyl alcohol	4.34	59	147991	1.126	ppbv #	88
19) Isopropyl Alcohol	4.01	45	134295	1.214	ppbv #	1
20) Methylene Chloride	4.38	84	319896	4.451	ppbv	95
21) Allyl Chloride	4.41	41	5401	0.053	ppbv #	1
22) trans-1,2-Dichloroethene	4.93	96	2427	0.036	ppbv #	84
23) Vinyl Acetate	5.12	43	289998	1.763	ppbv #	88
25) Ethyl Acetate	5.74	43	259282	1.150	ppbv #	81
26) Hexane	5.75	57	354110	3.433	ppbv #	42
27) Carbon Disulfide	4.59	76	165891	0.946	ppbv	96
29) Chloroform	5.81	83	396277	2.045	ppbv	88
30) Cyclohexane	7.20	84	11896	0.149	ppbv #	1
31) cis-1,2-Dichloroethene	5.61	61	317804	3.189	ppbv	98
34) 2-Butanone	5.30	43	541075	3.737	ppbv	99
35) Carbon Tetrachloride	7.09	117	7391	0.034	ppbv	96
36) Benzene	6.97	78	665226	3.107	ppbv	97
38) Trichloroethene	7.92	130	405948	4.262	ppbv	97
39) 1,2-Dichloropropane	7.25	63	675874	8.490	ppbv #	23
41) Tetrahydrofuran	6.10	42	2140	0.030	ppbv #	30
43) Methyl Methacrylate	8.10	69	14462	0.178	ppbv #	1
44) 2,2,4-Trimethylpentane	7.96	57	172286	0.466	ppbv #	74
50) 4-Methyl-2-Pentanone	8.83	43	238524	1.110	ppbv	99
51) 2-Hexanone	10.22	43	18435	0.106	ppbv #	27
52) Tetrachloroethene	11.33	164	90407	0.981	ppbv #	89
53) Toluene	9.90	91	4442640	18.129	ppbv	100
57) Chlorobenzene	12.25	112	7136	0.031	ppbv #	44
58) Ethyl Benzene	12.82	91	1156298	3.378	ppbv	99
59) m/p-Xylene	13.07	91	3976984	12.832	ppbv	98
60) o-Xylene	13.80	91	1372710	4.428	ppbv	99
61) Styrene	13.63	104	24792	0.121	ppbv #	12
62) Isopropylbenzene	14.78	105	136488	0.286	ppbv	98
64) n-propylbenzene	15.67	120	92451	0.748	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071119\
Quantitation Report (Not Reviewed)

Data File : VL034021.D
Acq On : 11 Jul 2019 17:23
Operator : SY/AP
Sample : K3747-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVS-1

Quant Time: Jul 12 07:01:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.88	119	193513	0.477	ppbv #	72
66) Benzyl Chloride	17.10	91	7279	0.035	ppbv #	66
67) sec-Butylbenzene	17.42	105	25079	0.044	ppbv #	57
69) p-Isopropyltoluene	17.76	119	35113	0.075	ppbv #	47
70) n-Butylbenzene	18.67	91	136262	0.277	ppbv #	52
71) 2-Chlorotoluene	15.43	91	75422	0.216	ppbv #	45
72) 4-Ethyltoluene	15.96	105	602698	1.514	ppbv	99
73) 1,3,5-Trimethylbenzene	16.11	105	417385	1.127	ppbv	91
74) 1,2,4-Trimethylbenzene	16.88	105	1703741	4.152	ppbv #	74
75) 1,3-Dichlorobenzene	17.12	146	27985	0.107	ppbv #	24
79) Naphthalene	22.36	128	303100	0.879	ppbv	100
80) Naphthalene,2-methyl-	25.07	142	48697	0.388	ppbv #	89
81) 1,2,4-Trichlorobenzene	22.08	180	11977	0.054	ppbv #	67

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

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Acq On : 11 Jul 2019 17:23

Operator : SY/AP

Sample : K3747-01

Misc : 400ml/MSVOA L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVS-1

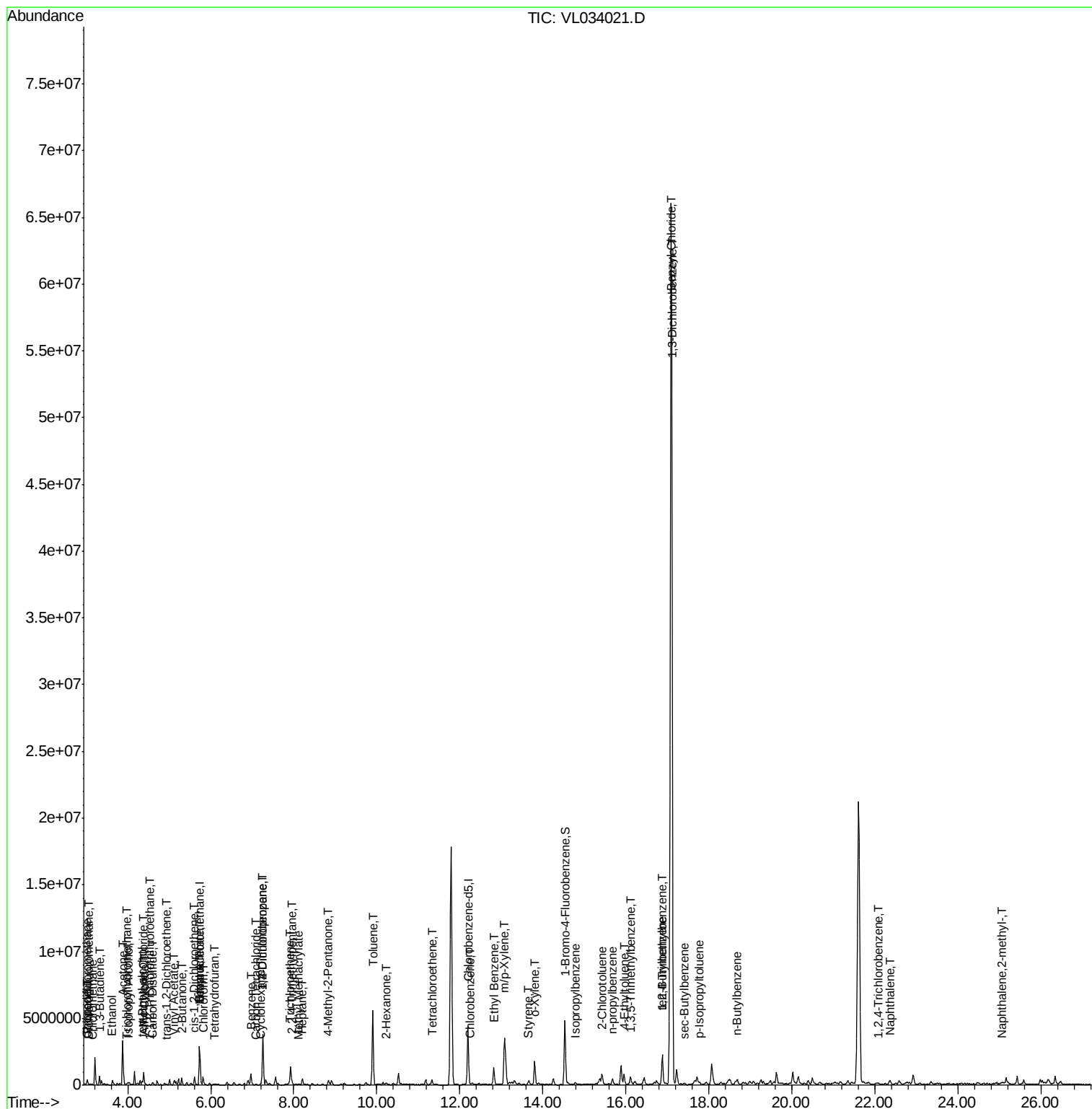
Quant Time: Jul 12 07:01:12 2019

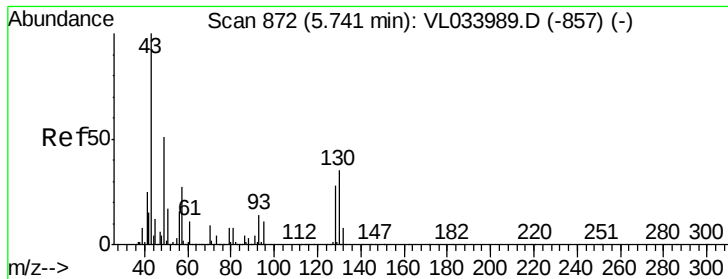
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL070219AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019

QLast Update : Tue Jul 02 19:31:31 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 867

Delta R.T. -0.02 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

SVS-1

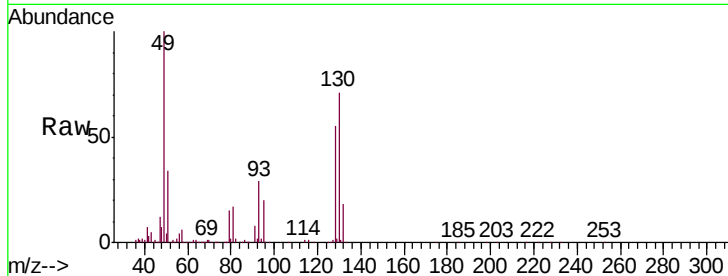
Tgt Ion: 49 Resp: 980069

Ion Ratio Lower Upper

49 100

128 58.7 27.9 83.6

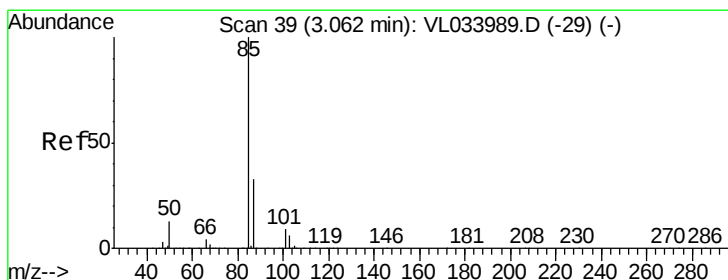
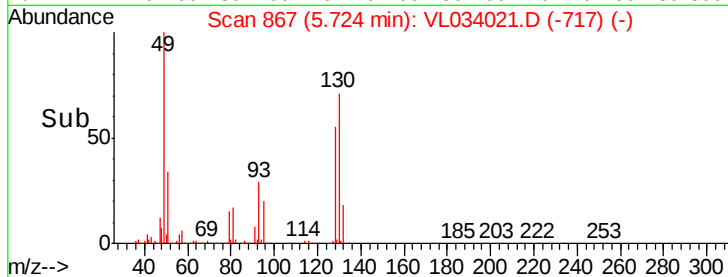
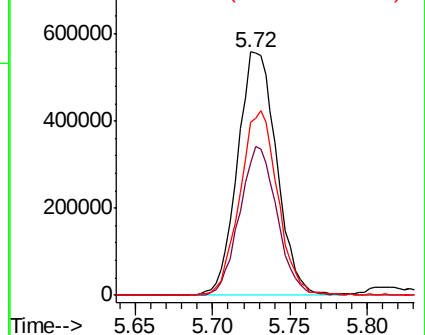
130 74.4 35.8 107.4



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: 0.073 ppbv

RT: 3.06 min Scan# 38

Delta R.T. -0.00 min

Lab File: VL034021.D

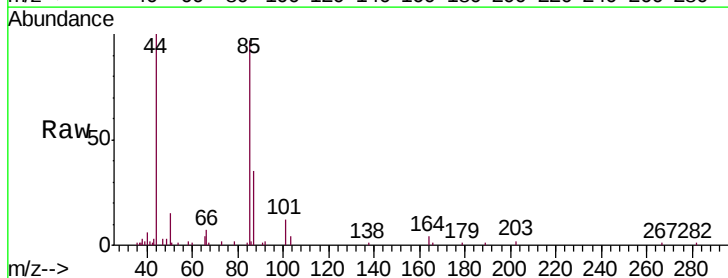
Acq: 11 Jul 2019 17:23

Tgt Ion: 85 Resp: 14860

Ion Ratio Lower Upper

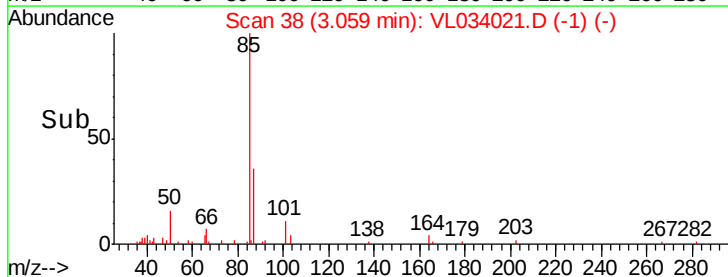
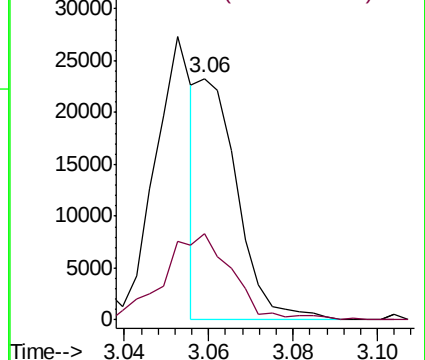
85 100

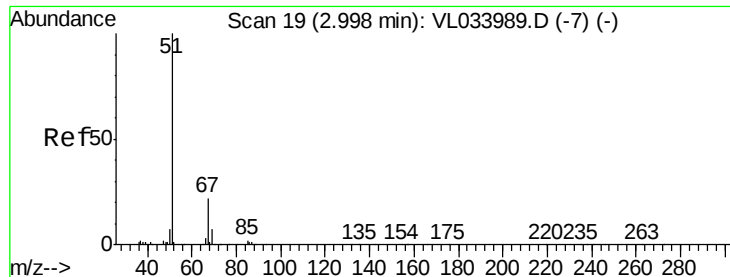
87 35.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

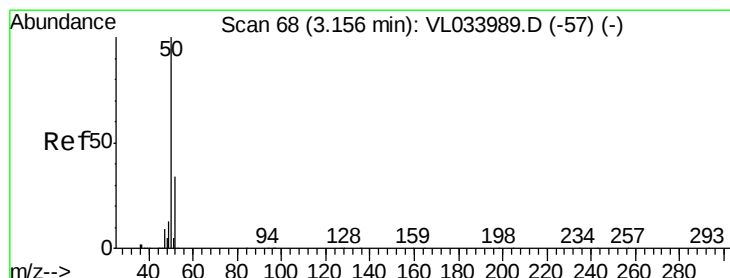
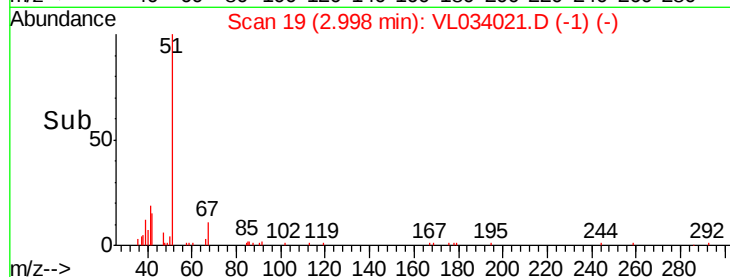
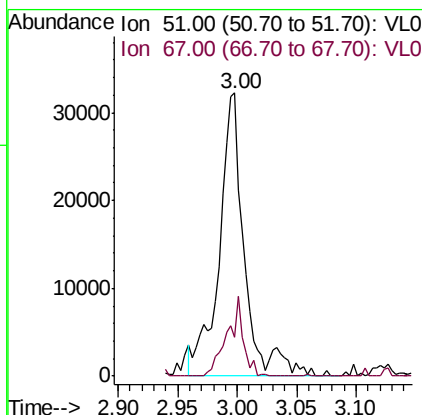
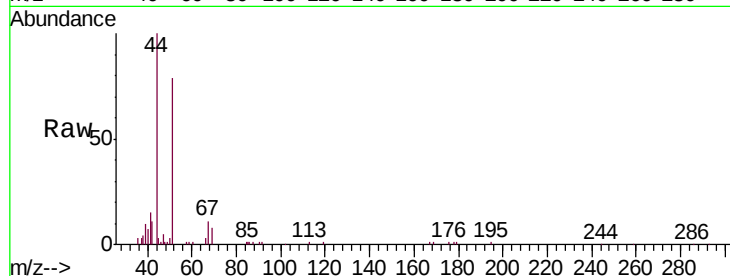




#3
Chlorodifluoromethane
Concen: 0.392 ppbv
RT: 3.00 min Scan# 19
Delta R.T. -0.00 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

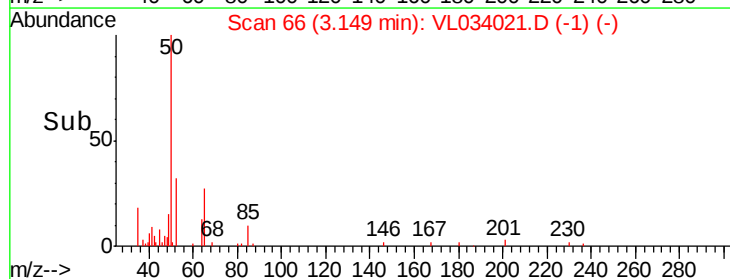
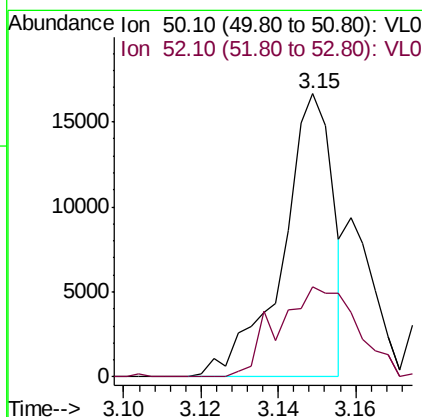
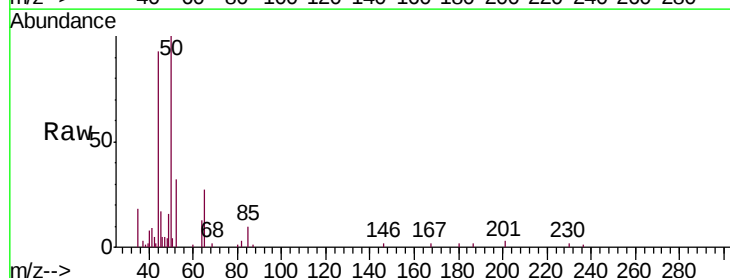
Instrument :
MSVOA_L
ClientSampleId :
SVS-1

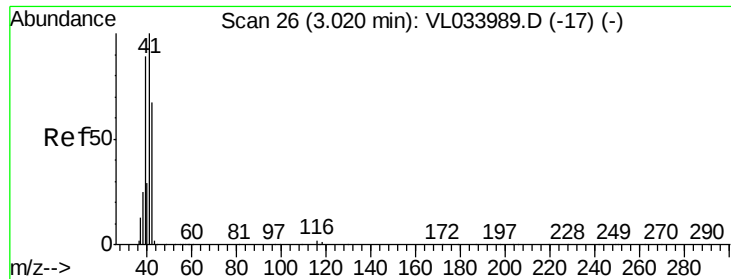
Tgt Ion: 51 Resp: 47399
Ion Ratio Lower Upper
51 100
67 17.9 17.3 25.9



#4
Chloromethane
Concen: 0.218 ppbv
RT: 3.15 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

Tgt Ion: 50 Resp: 15156
Ion Ratio Lower Upper
50 100
52 30.8 27.4 41.0





#9

Propene

Concen: 1.761 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

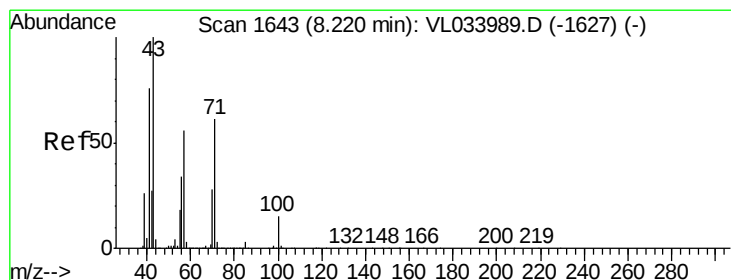
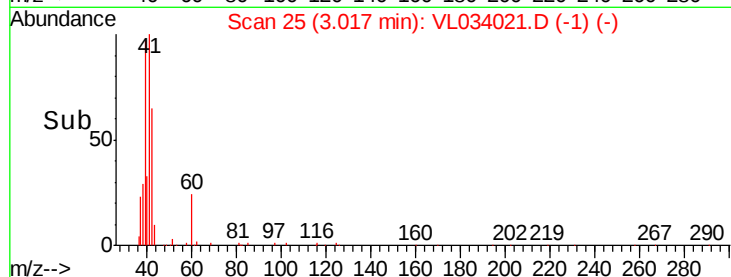
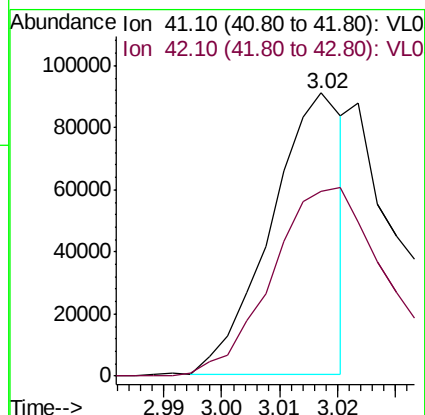
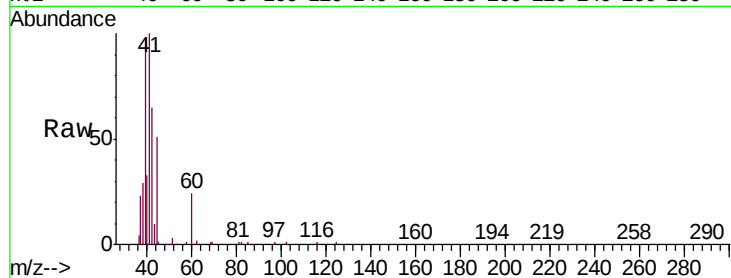
SVS-1

Tgt Ion: 41 Resp: 78407

Ion Ratio Lower Upper

41 100

42 0.0 57.1 85.7#



#10

Heptane

Concen: 1.538 ppbv

RT: 8.21 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VL034021.D

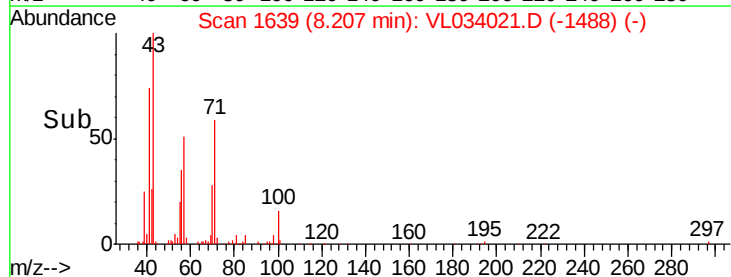
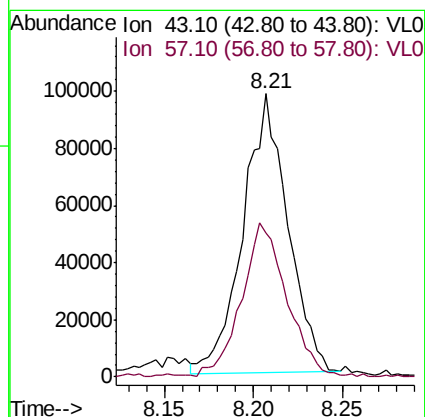
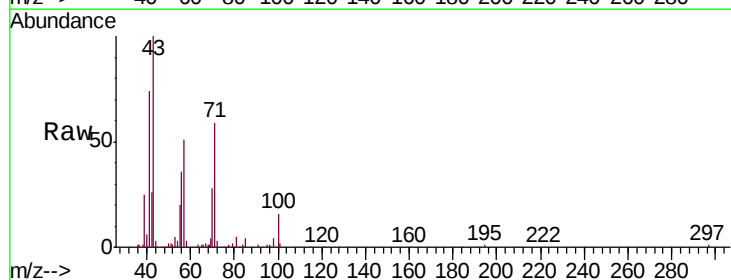
Acq: 11 Jul 2019 17:23

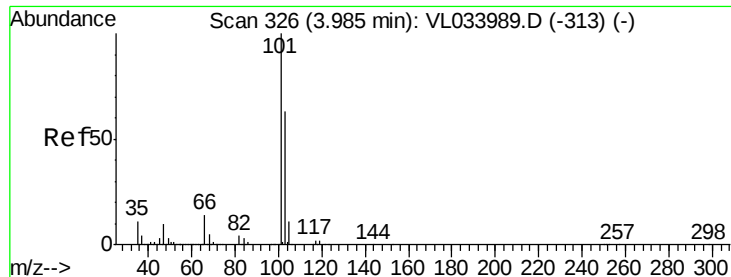
Tgt Ion: 43 Resp: 171503

Ion Ratio Lower Upper

43 100

57 56.6 44.6 66.8

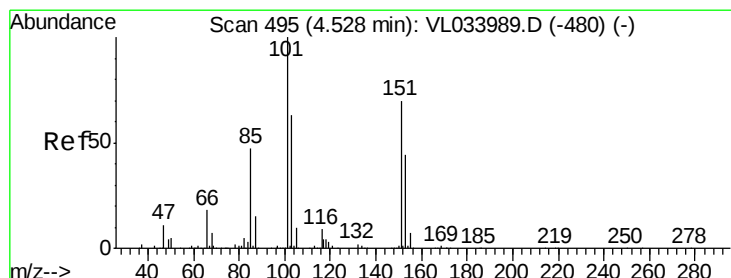
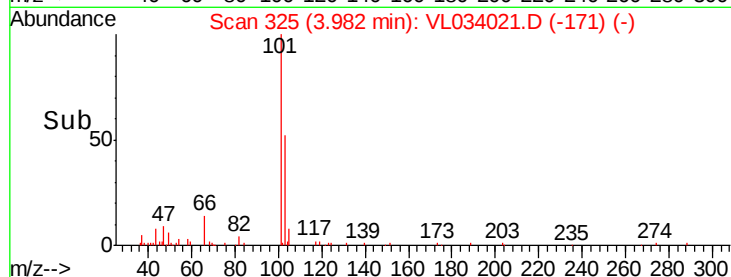
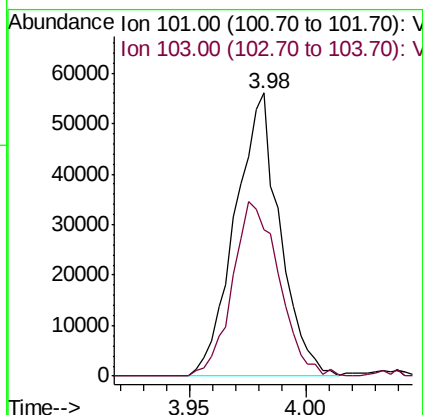
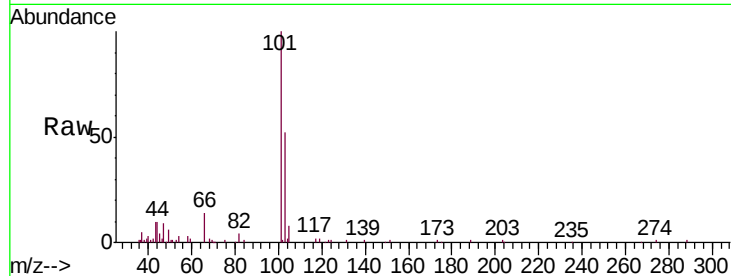




#11
 Trichlorofluoromethane
 Concen: 0.331 ppbv
 RT: 3.98 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

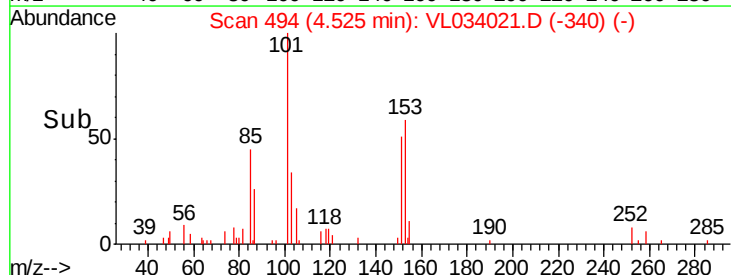
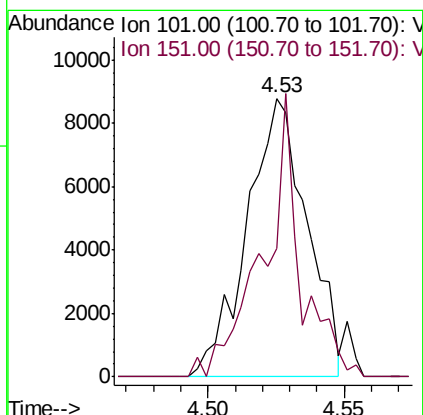
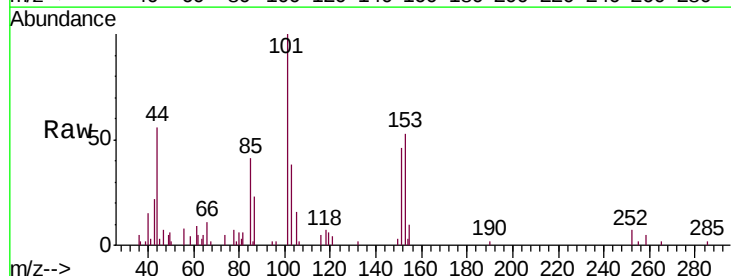
Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-1

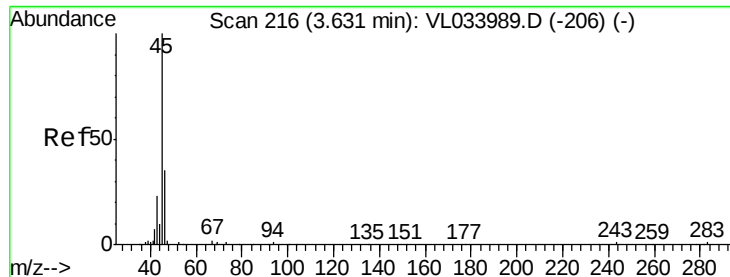
Tgt Ion:101 Resp: 75190
 Ion Ratio Lower Upper
 101 100
 103 51.6 50.8 76.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.083 ppbv
 RT: 4.53 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

Tgt Ion:101 Resp: 13383
 Ion Ratio Lower Upper
 101 100
 151 62.8 59.0 88.4





#13

Ethanol

Concen: 25.819 ppbv

RT: 3.63 min Scan# 216

Delta R.T. -0.00 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

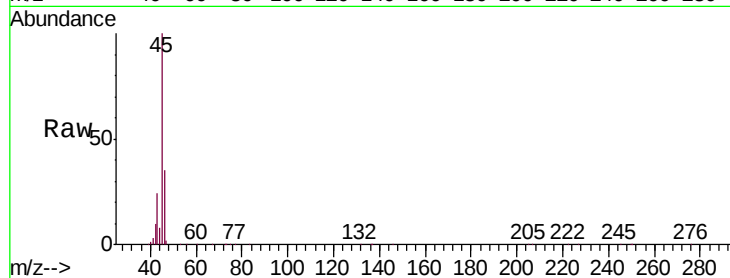
SVS-1

Tgt Ion: 45 Resp: 357098

Ion Ratio Lower Upper

45 100

46 36.1 16.2 64.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.63

200000

150000

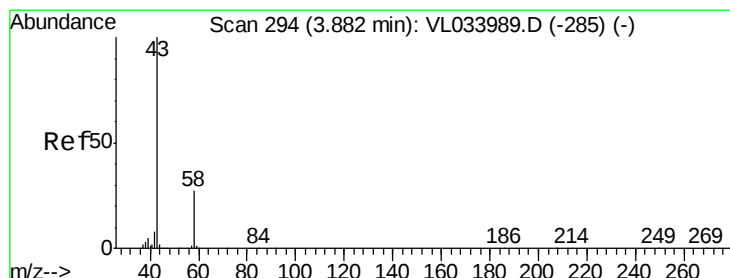
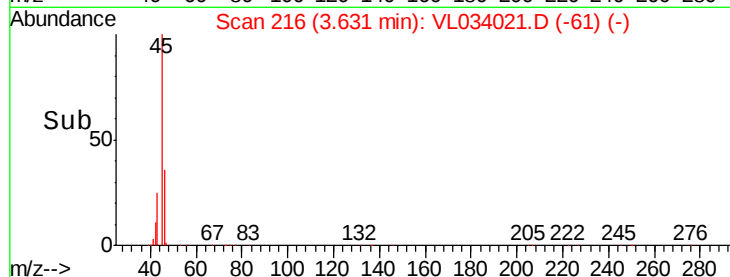
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50000

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Time-->

3.55 3.60 3.65 3.70



#15

Acetone

Concen: 20.315 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034021.D

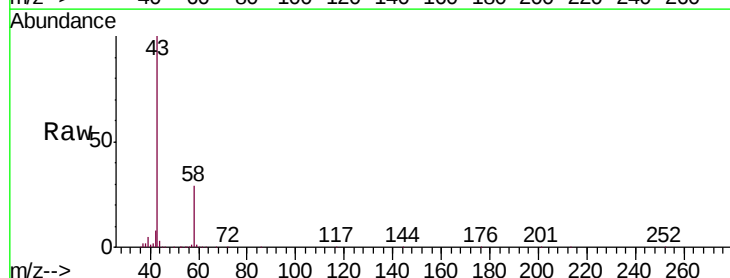
Acq: 11 Jul 2019 17:23

Tgt Ion: 43 Resp: 3347513

Ion Ratio Lower Upper

43 100

58 34.4 21.4 32.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

2500000

2000000

1500000

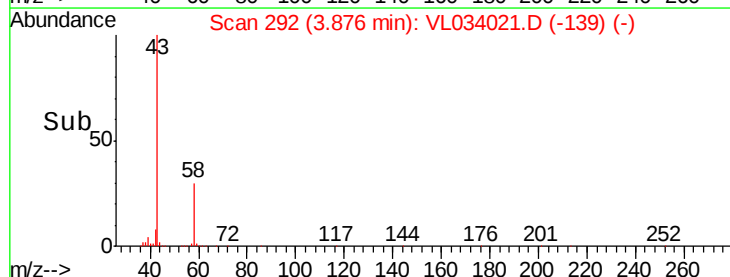
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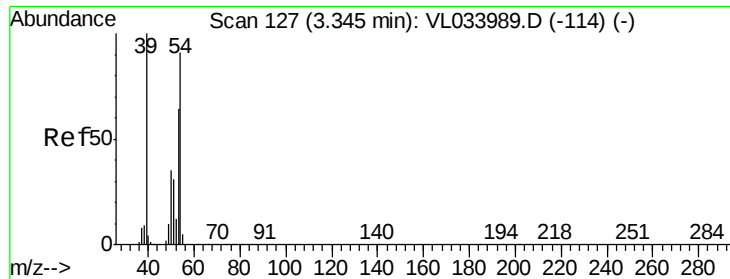
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0

Time-->

3.80 3.85 3.90 3.95

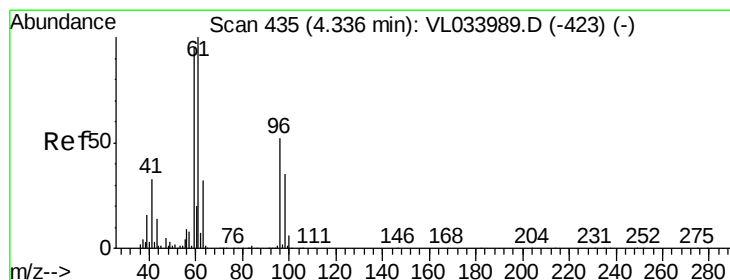
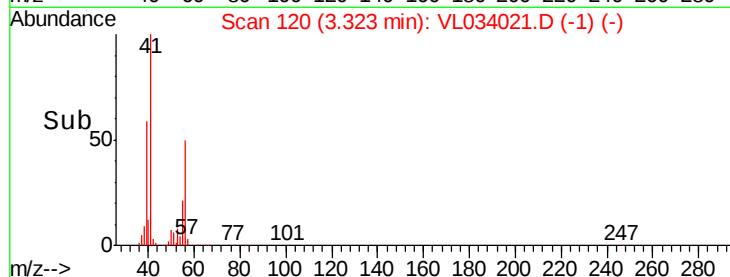
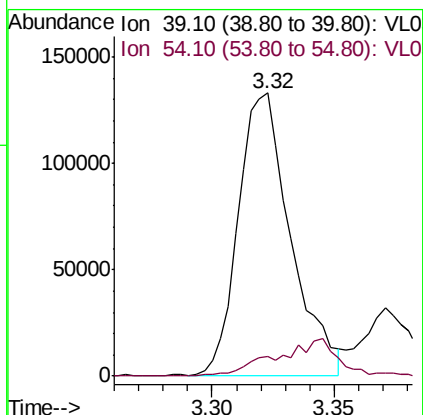
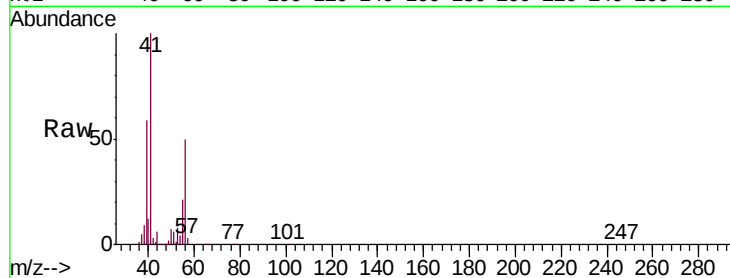




#16
 1,3-Butadiene
 Concen: 3.401 ppbv
 RT: 3.32 min Scan# 120
 Delta R.T. -0.02 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

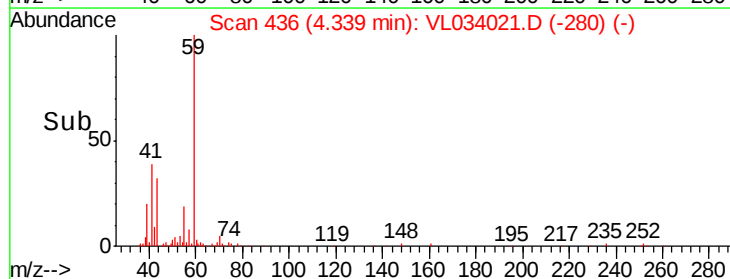
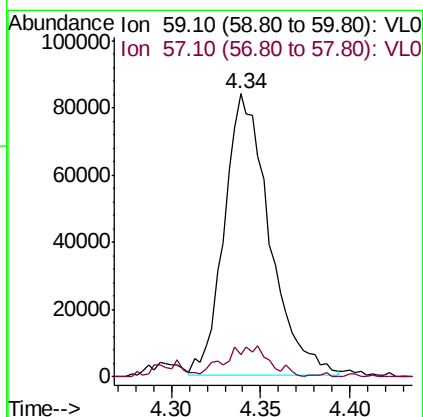
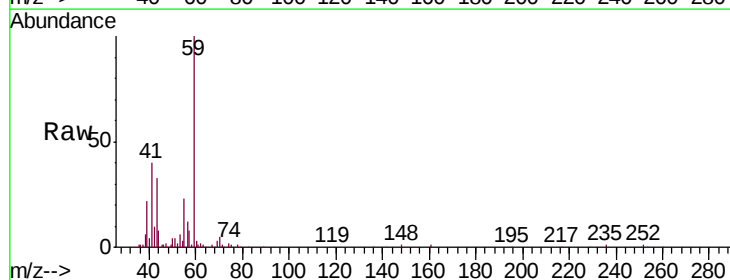
Instrument :
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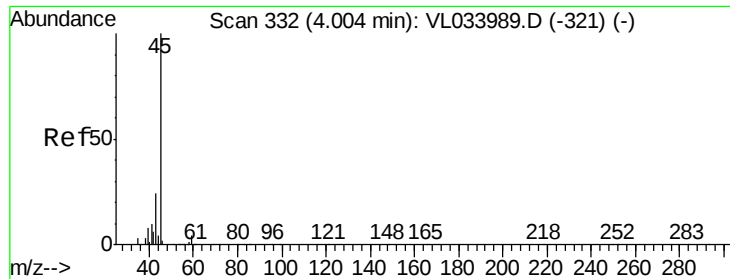
Tgt Ion: 39 Resp: 197885
 Ion Ratio Lower Upper
 39 100
 54 15.7 71.4 107.2#



#17
 tert-Butyl alcohol
 Concen: 1.126 ppbv
 RT: 4.34 min Scan# 436
 Delta R.T. 0.00 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

Tgt Ion: 59 Resp: 147991
 Ion Ratio Lower Upper
 59 100
 57 14.6 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 1.214 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

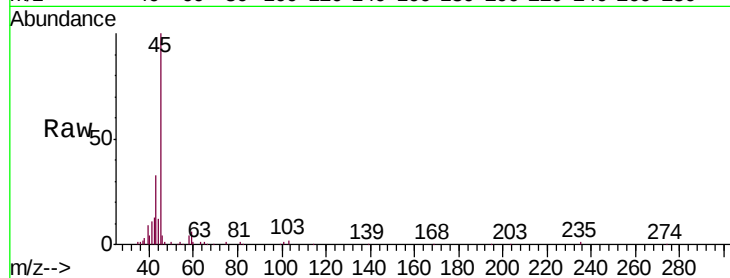
SVS-1

Tgt Ion: 45 Resp: 134295

Ion Ratio Lower Upper

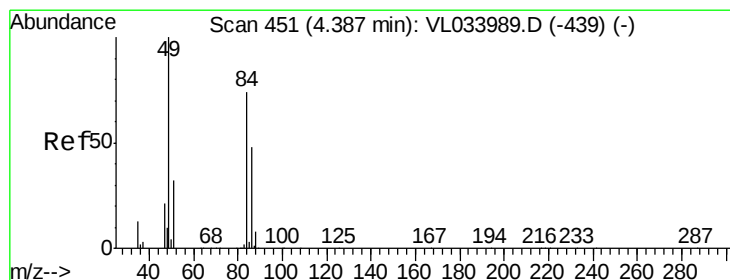
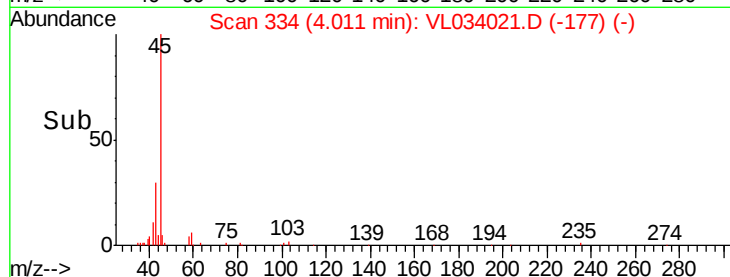
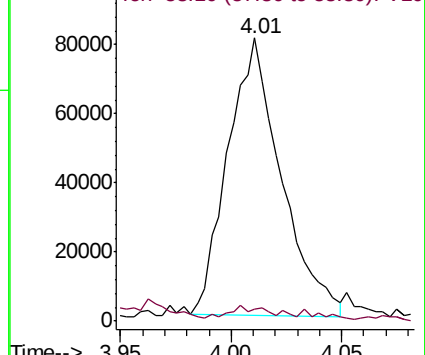
45 100

58 862.3 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 4.451 ppbv

RT: 4.38 min Scan# 450

Delta R.T. -0.00 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Tgt Ion: 84 Resp: 319896

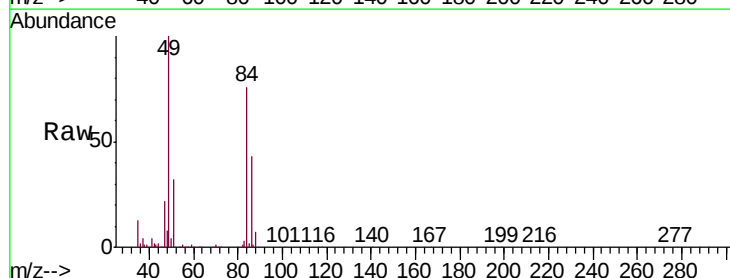
Ion Ratio Lower Upper

84 100

49 131.2 107.6 161.4

51 41.6 35.0 52.6

86 57.2 52.1 78.1

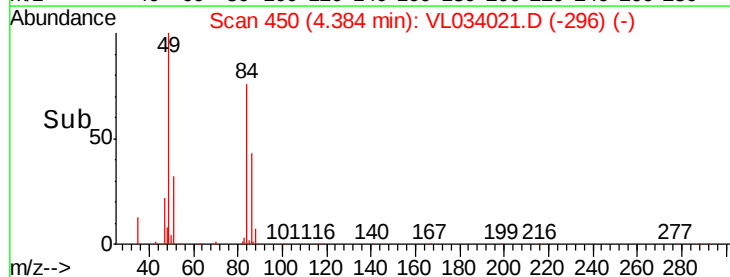
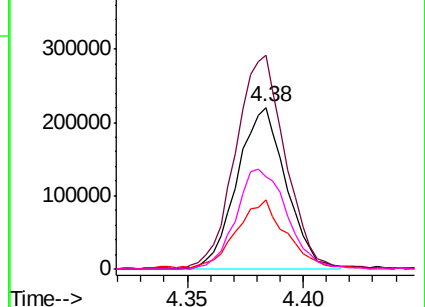


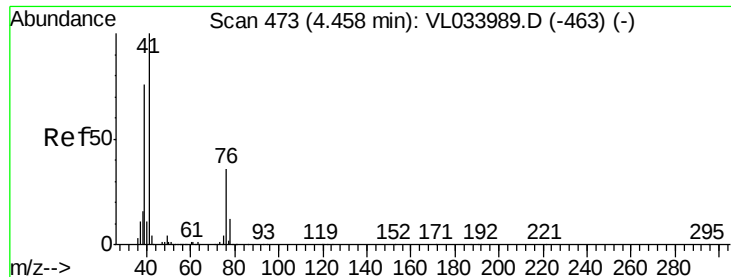
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.053 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.05 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampled :

SVS-1

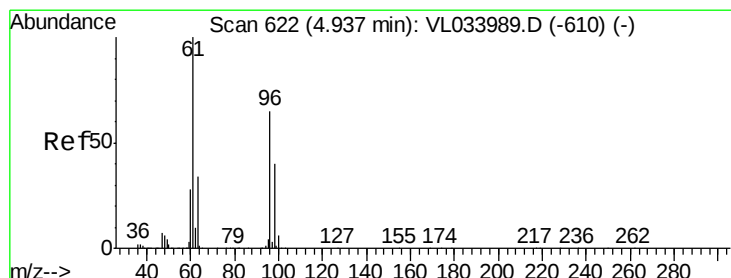
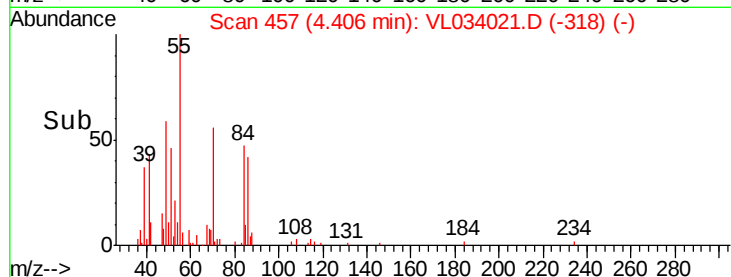
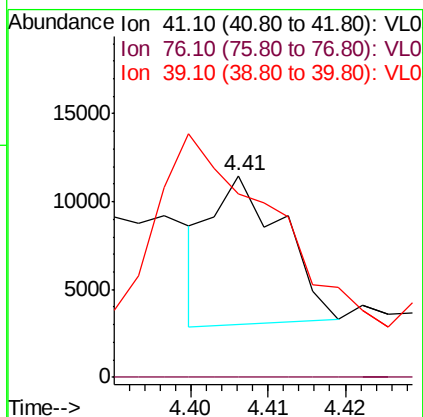
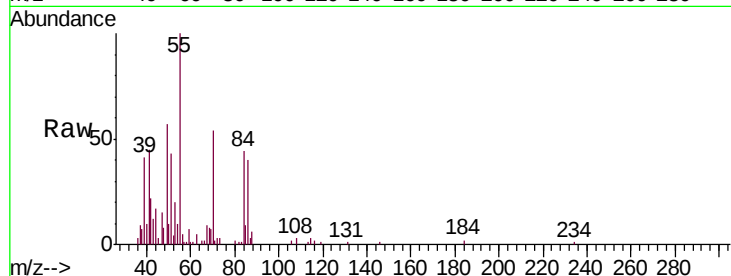
Tgt Ion: 41 Resp: 5401

Ion Ratio Lower Upper

41 100

76 0.0 26.8 40.2#

39 500.9 63.1 94.7#



#22

trans-1,2-Dichloroethene

Concen: 0.036 ppbv

RT: 4.93 min Scan# 619

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

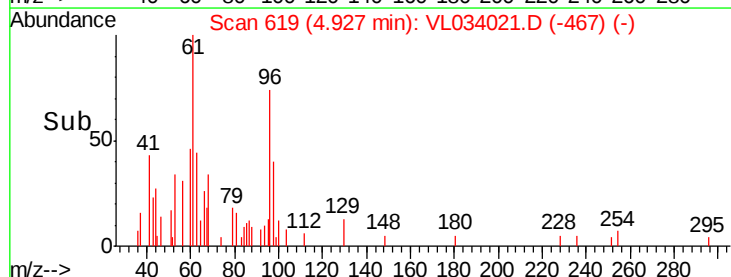
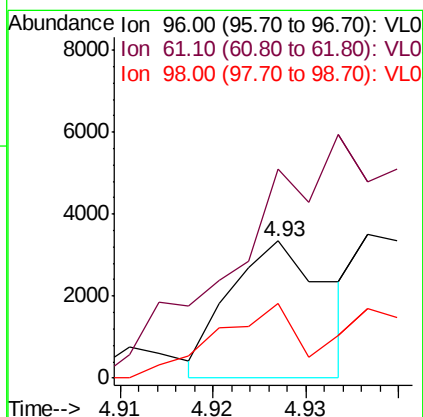
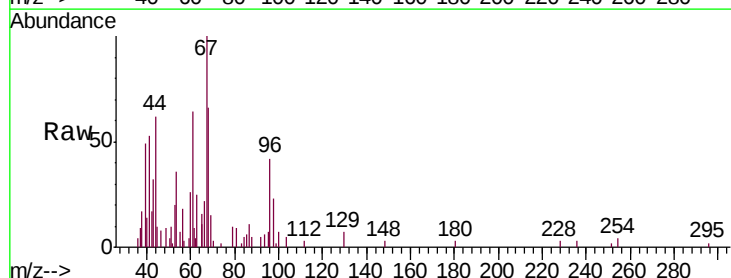
Tgt Ion: 96 Resp: 2427

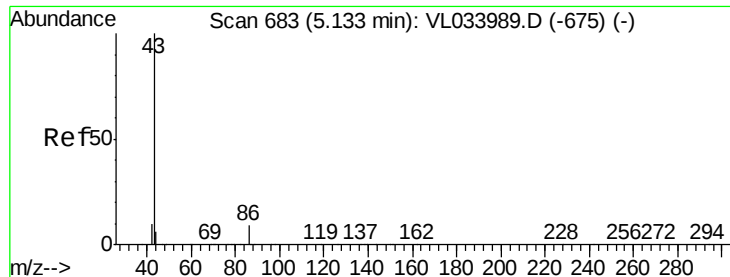
Ion Ratio Lower Upper

96 100

61 137.5 122.9 184.3

98 44.4 49.6 74.4#





#23

Vinyl Acetate

Concen: 1.763 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.02 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

SVS-1

Tgt Ion: 43 Resp: 289998

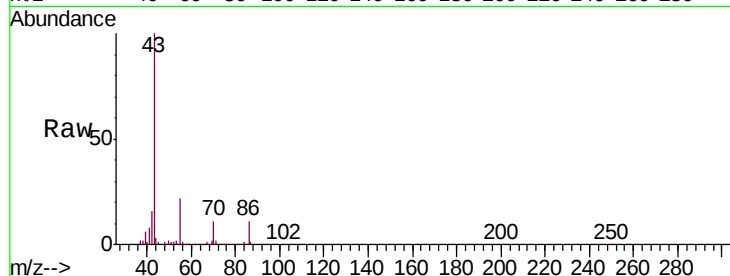
Ion Ratio Lower Upper

43 100

86 10.9 6.6 9.8#

42 15.9 8.3 12.5#

44 1.7 4.3 6.5#

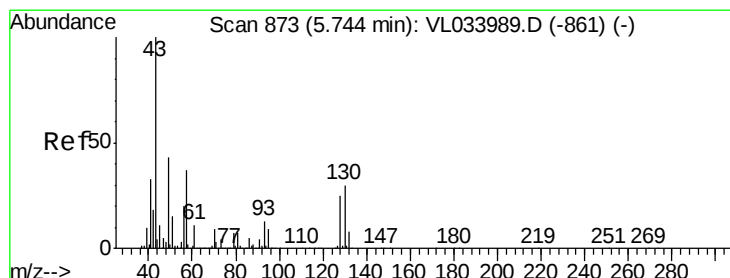
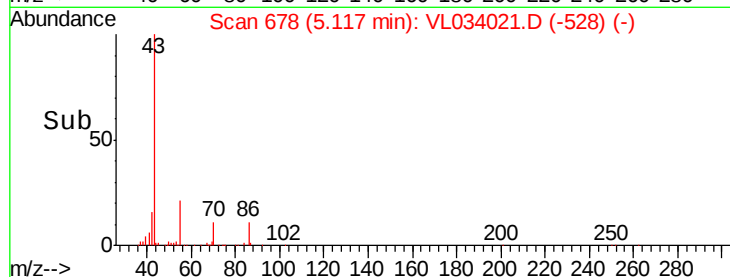
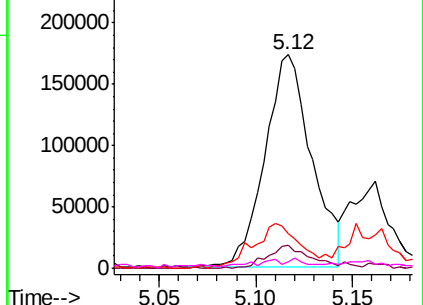


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.150 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.00 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Tgt Ion: 43 Resp: 259282

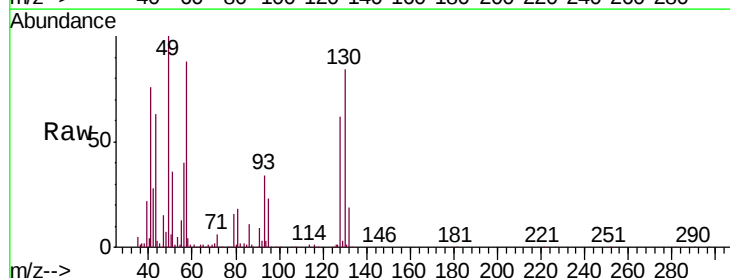
Ion Ratio Lower Upper

43 100

45 4.2 8.1 12.1#

61 0.0 8.1 12.1#

70 3.0 6.3 9.5#

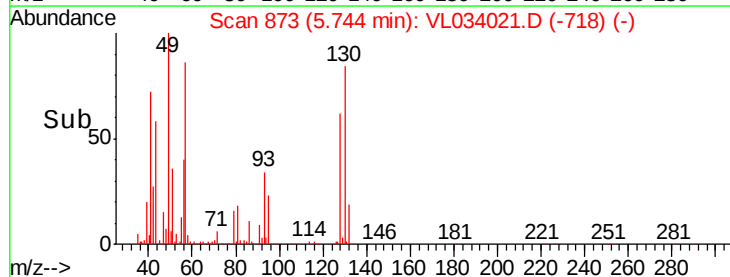
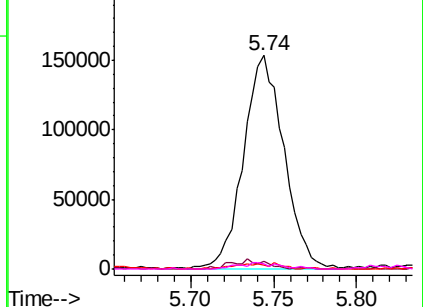


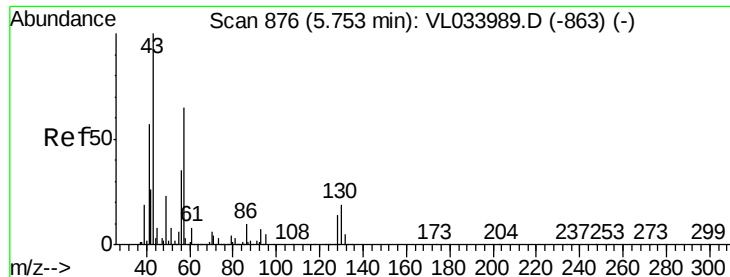
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 3.433 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

SVS-1

Tgt Ion: 57 Resp: 354110

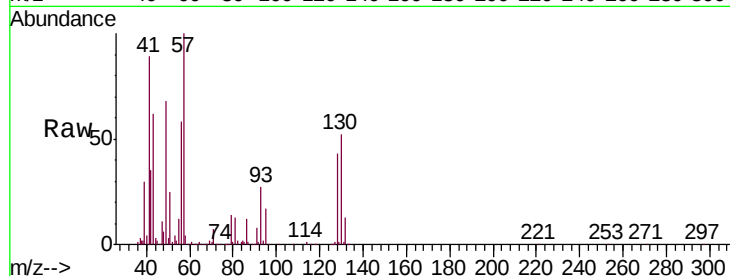
Ion Ratio Lower Upper

57 100

41 94.2 70.6 105.8

43 74.1 177.6 266.4#

56 56.7 42.6 64.0

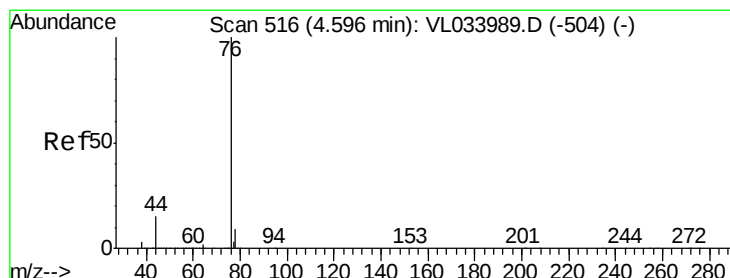
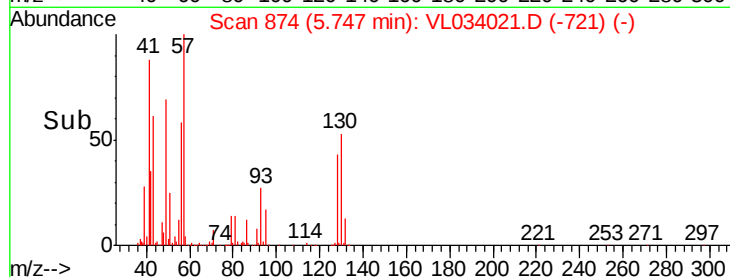
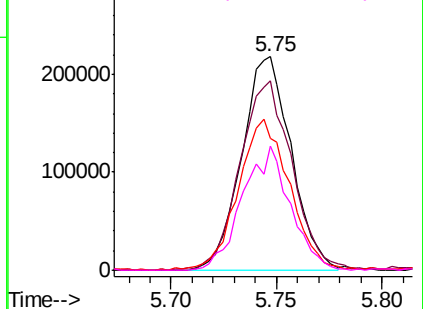


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.946 ppbv

RT: 4.59 min Scan# 515

Delta R.T. -0.00 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

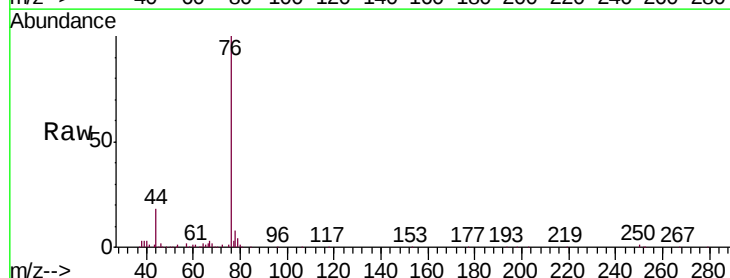
Tgt Ion: 76 Resp: 165891

Ion Ratio Lower Upper

76 100

44 18.4 12.6 18.8

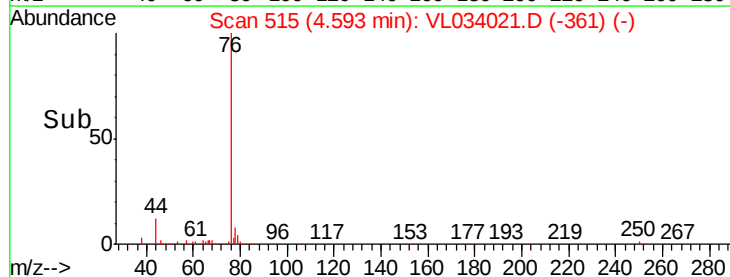
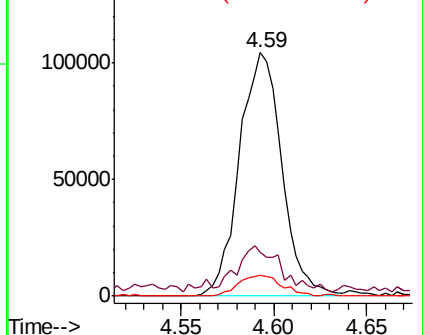
78 9.2 7.2 10.8

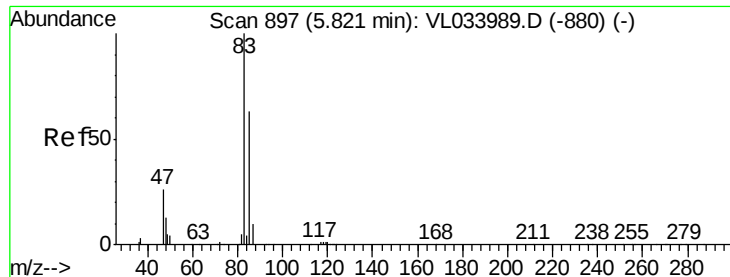


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 2.045 ppbv

RT: 5.81 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

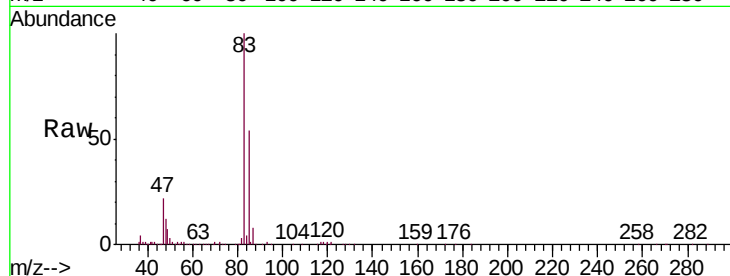
SVS-1

Tgt Ion: 83 Resp: 396277

Ion Ratio Lower Upper

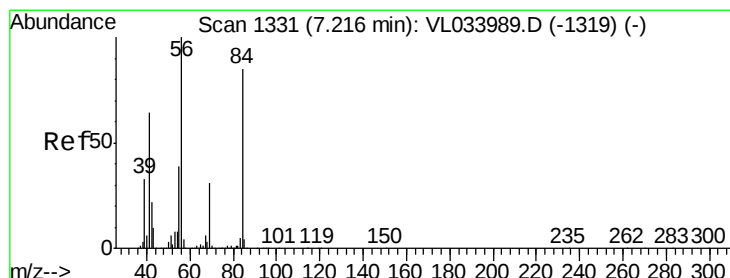
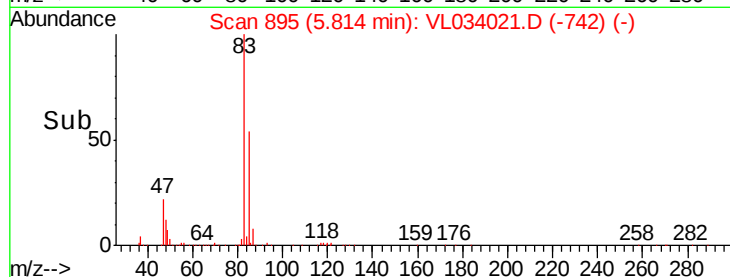
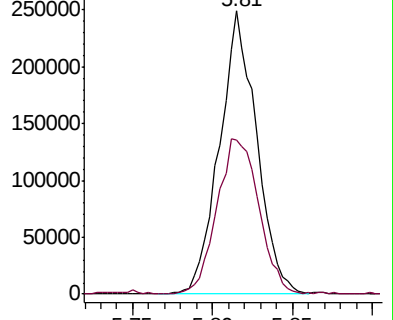
83 100

85 53.9 50.6 75.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.149 ppbv

RT: 7.20 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

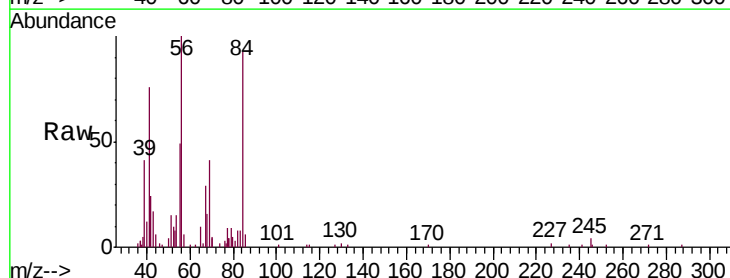
Tgt Ion: 84 Resp: 11896

Ion Ratio Lower Upper

84 100

56 0.0 103.7 155.5#

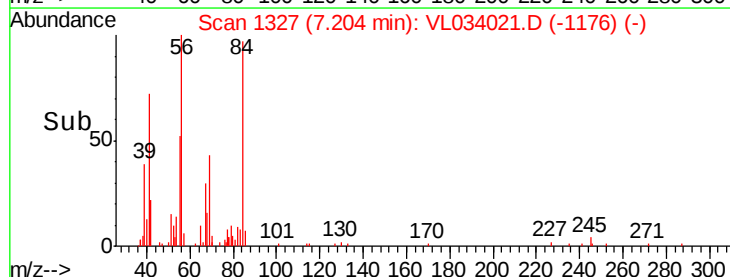
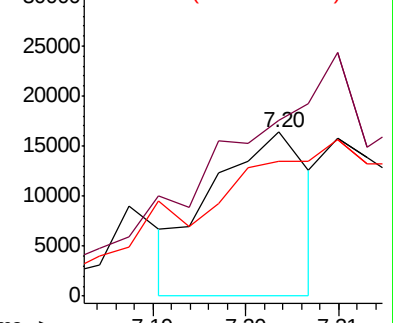
41 0.0 62.6 94.0#

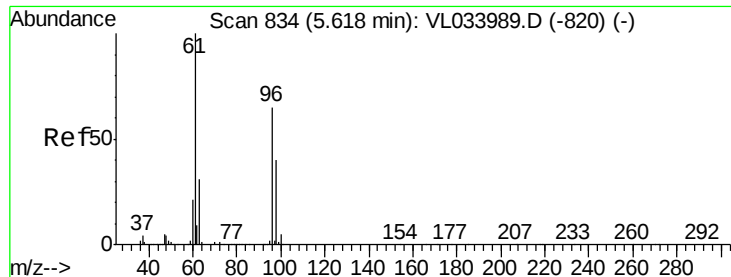


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



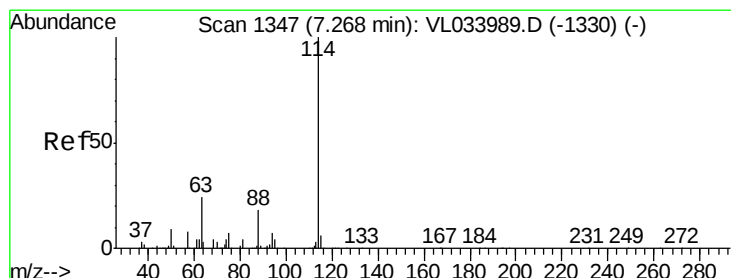
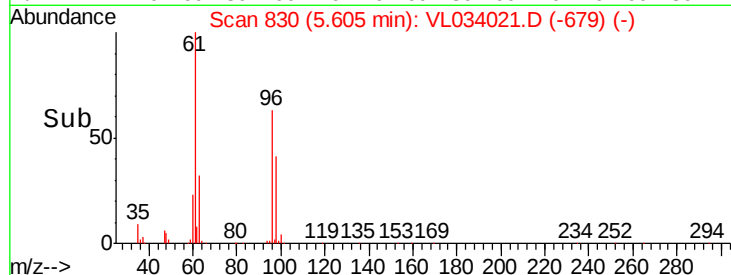
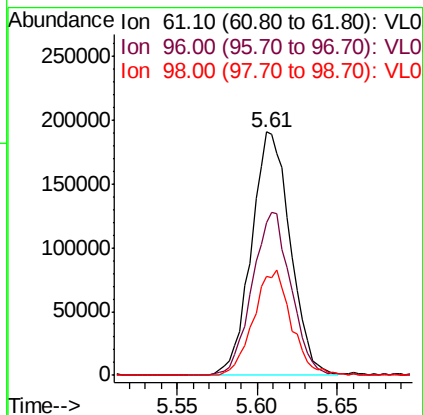
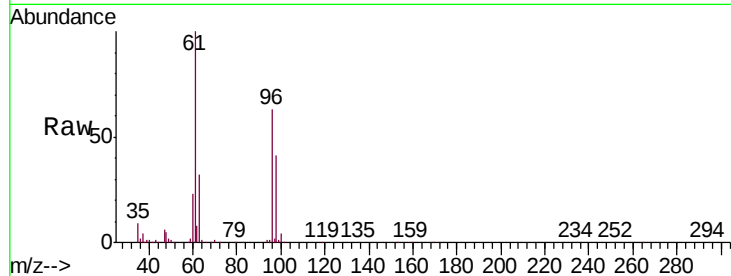


#31

cis-1,2-Dichloroethene
 Concen: 3.189 ppbv
 RT: 5.61 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-1

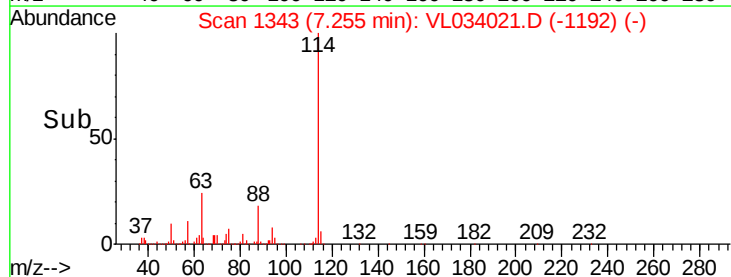
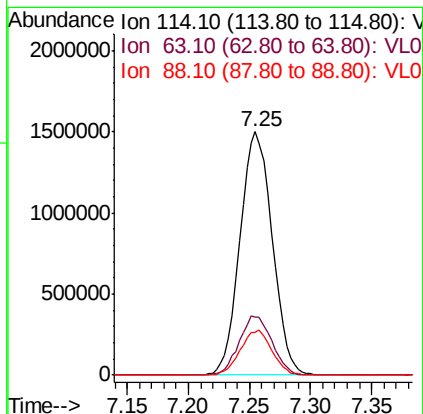
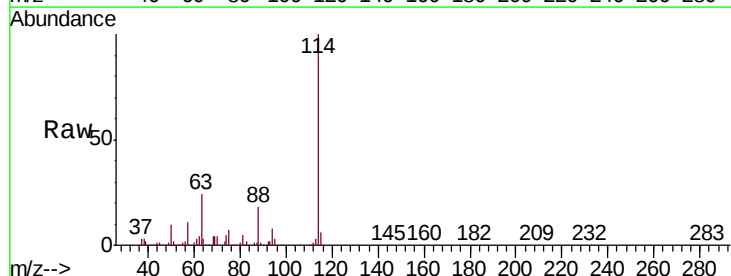
Tgt Ion: 61 Resp: 317804
 Ion Ratio Lower Upper
 61 100
 96 62.7 51.8 77.6
 98 40.8 32.1 48.1

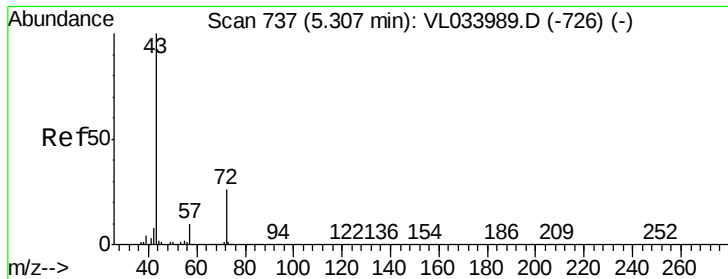


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

Tgt Ion: 114 Resp: 2735919
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.2 30.2
 88 18.2 14.1 21.1

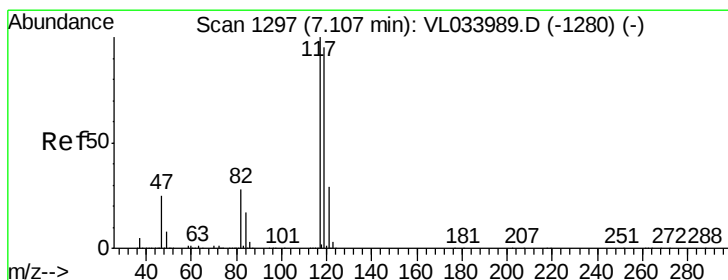
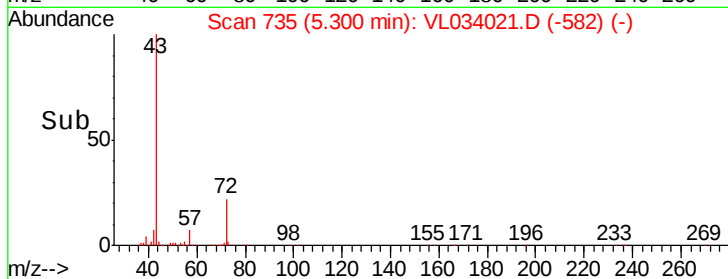
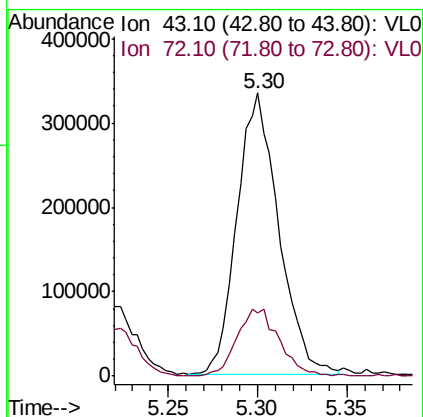
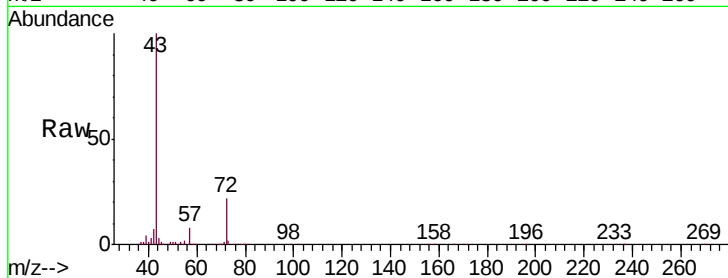




#34
2-Butanone
Concen: 3.737 ppbv
RT: 5.30 min Scan# 735
Delta R.T. -0.01 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

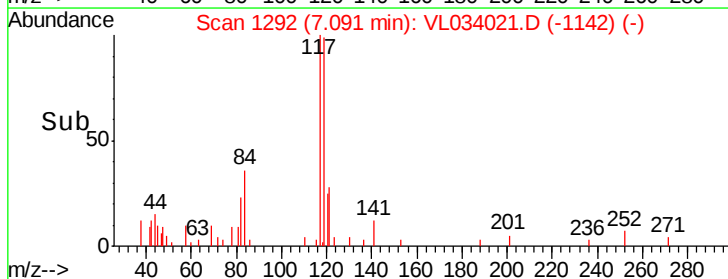
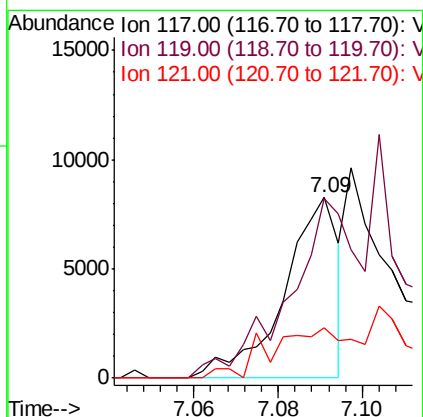
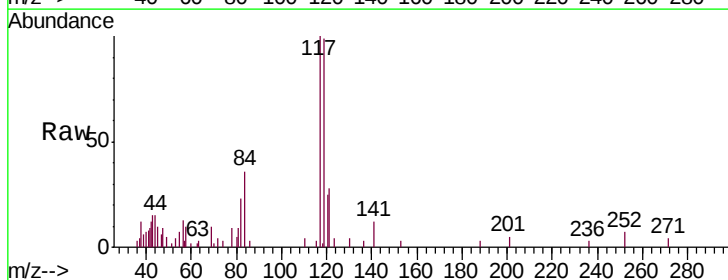
Instrument :
MSVOA_L
ClientSampleId :
SVS-1

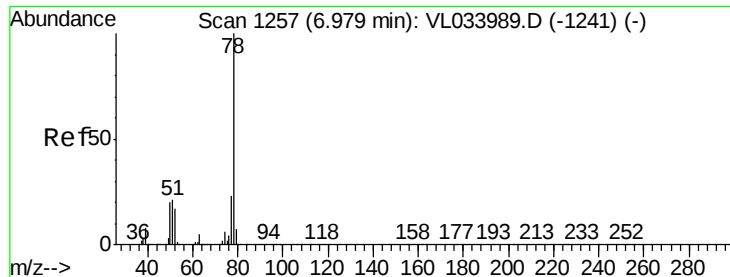
Tgt Ion: 43 Resp: 541075
Ion Ratio Lower Upper
43 100
72 24.2 19.9 29.9



#35
Carbon Tetrachloride
Concen: 0.034 ppbv
RT: 7.09 min Scan# 1292
Delta R.T. -0.02 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

Tgt Ion: 117 Resp: 7391
Ion Ratio Lower Upper
117 100
119 99.4 75.8 113.6
121 27.9 23.4 35.2





#36

Benzene

Concen: 3.107 ppbv

RT: 6.97 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

SVS-1

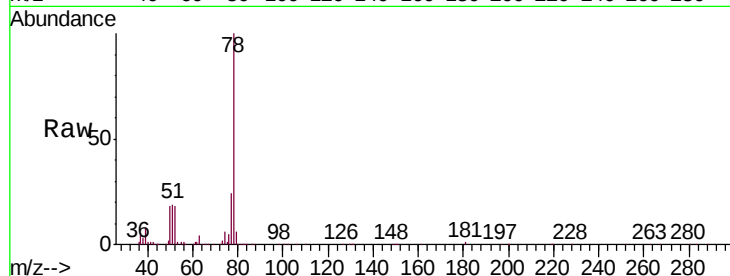
Tgt Ion: 78 Resp: 665226

Ion Ratio Lower Upper

78 100

77 23.9 18.7 28.1

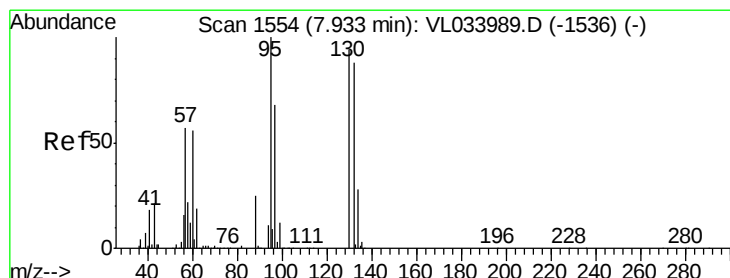
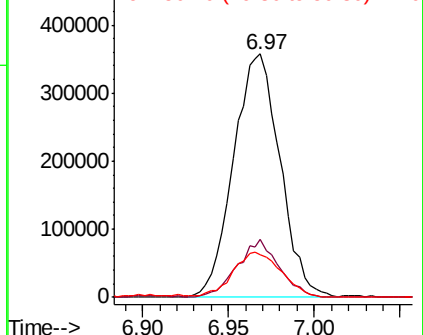
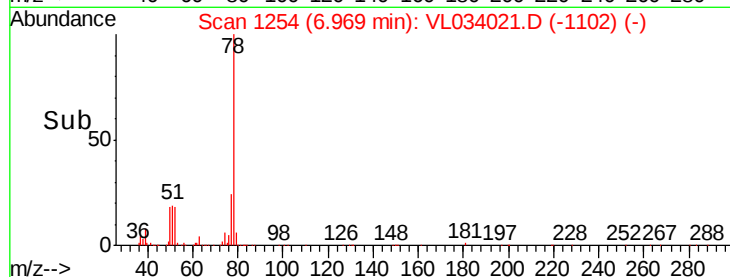
50 17.4 16.2 24.2



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: 4.262 ppbv

RT: 7.92 min Scan# 1550

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Tgt Ion: 130 Resp: 405948

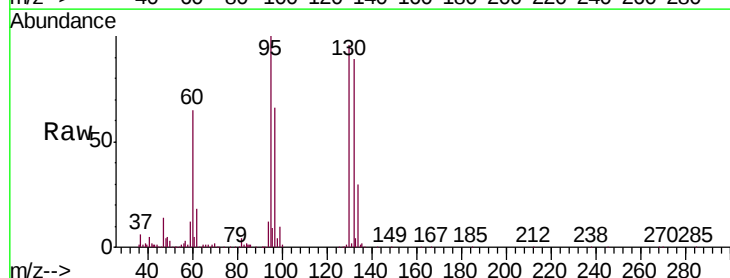
Ion Ratio Lower Upper

130 100

95 104.5 85.5 128.3

132 93.2 75.1 112.7

97 68.1 58.1 87.1

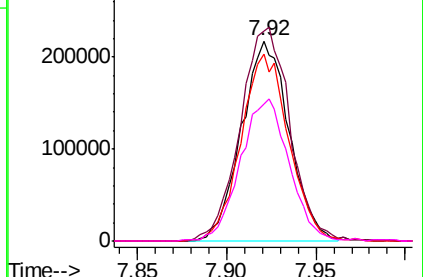
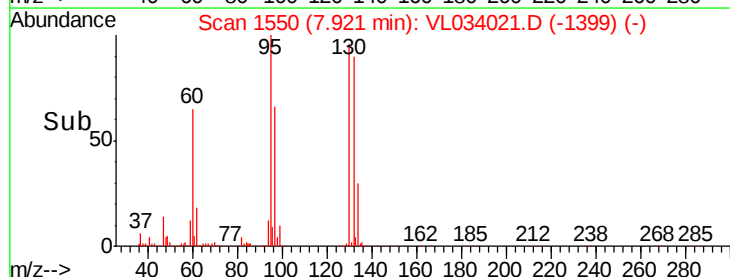


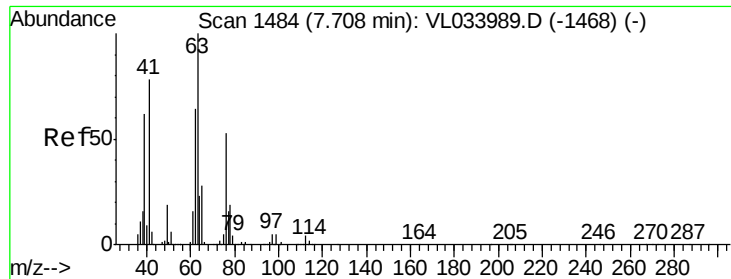
Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.490 ppbv

RT: 7.25 min Scan# 1342

Delta R.T. -0.46 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

SVS-1

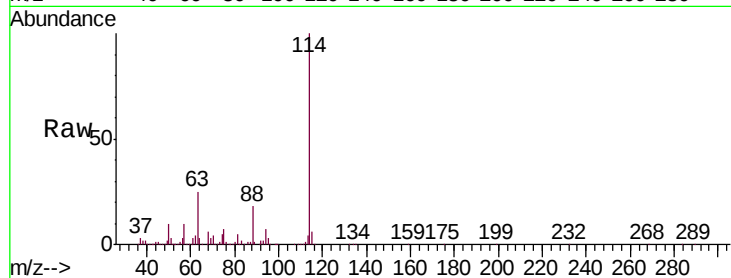
Tgt Ion: 63 Resp: 675874

Ion Ratio Lower Upper

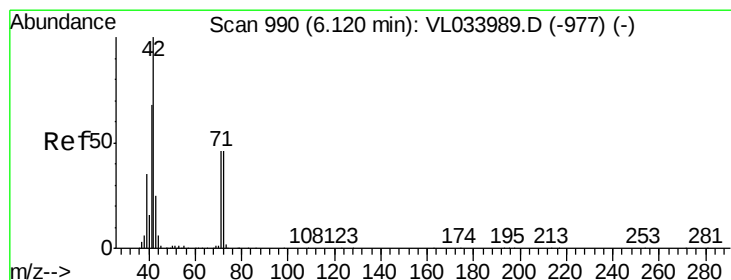
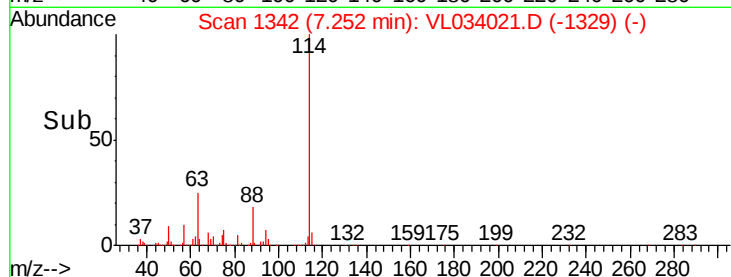
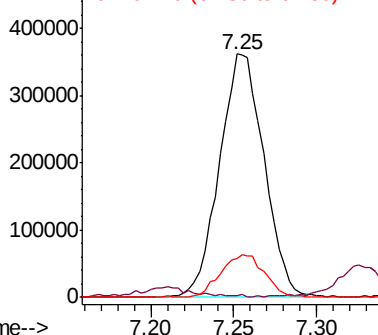
63 100

41 0.0 62.3 93.5#

62 15.7 51.4 77.2#



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: 0.030 ppbv

RT: 6.10 min Scan# 985

Delta R.T. -0.02 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

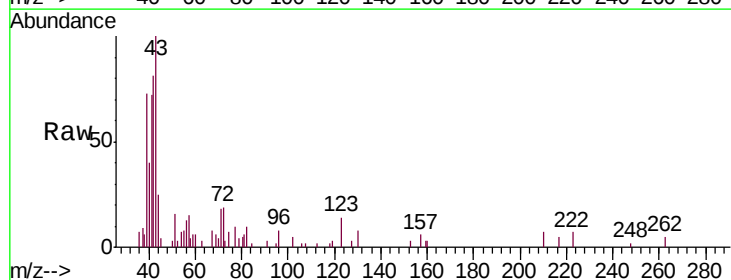
Tgt Ion: 42 Resp: 2140

Ion Ratio Lower Upper

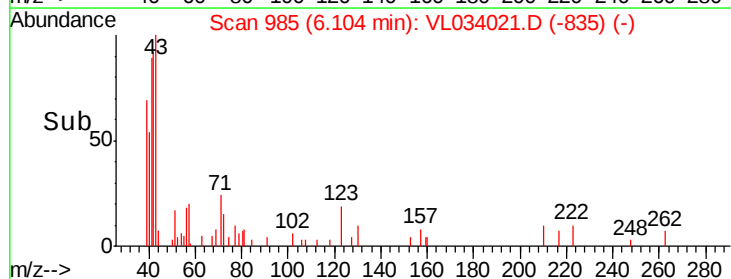
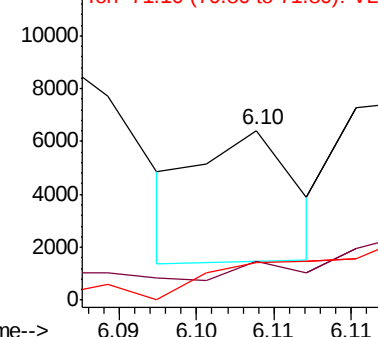
42 100

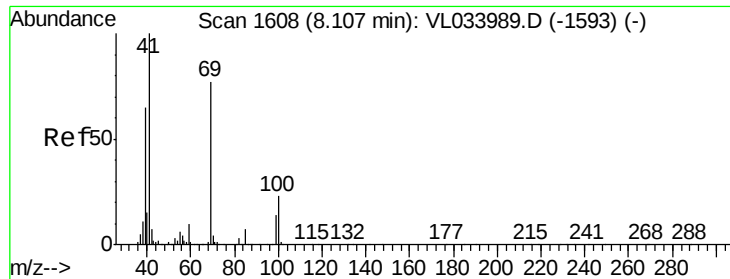
72 0.0 37.3 55.9#

71 0.0 36.2 54.2#



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

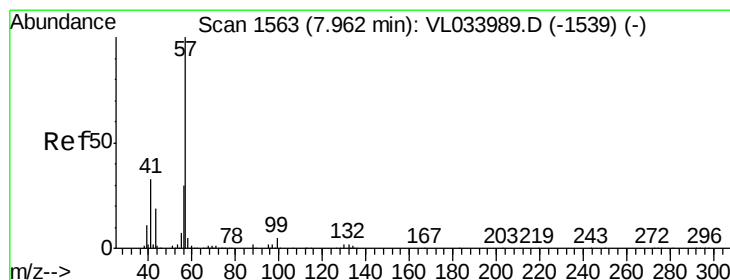
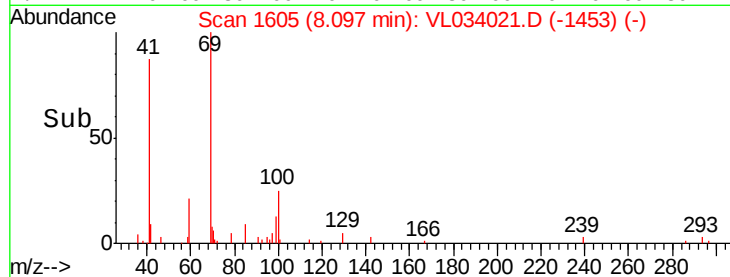
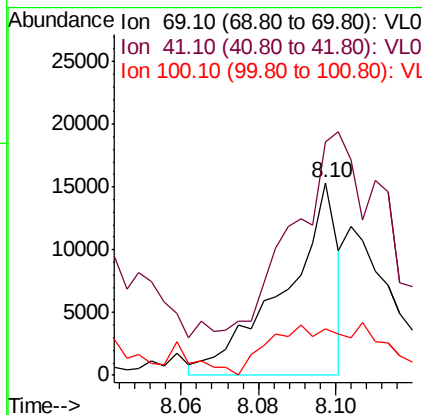
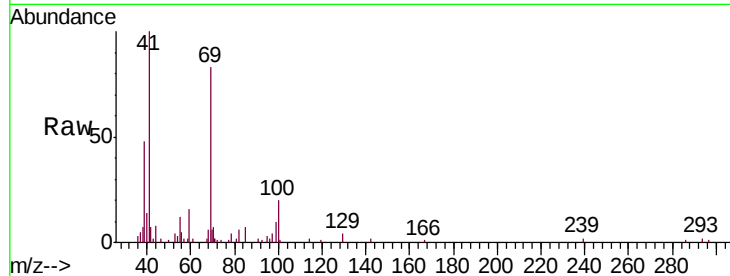




#43
Methyl Methacrylate
Concen: 0.178 ppbv
RT: 8.10 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

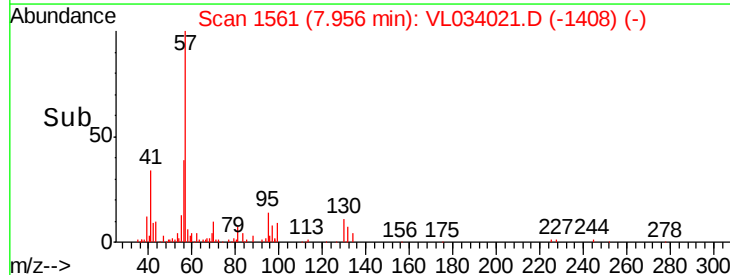
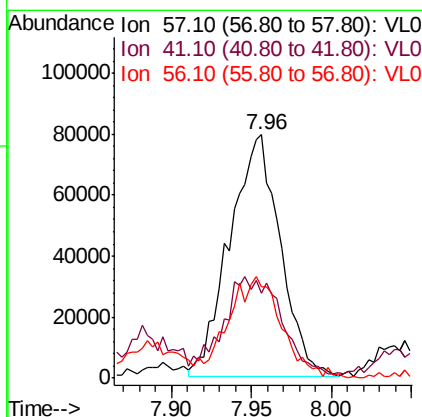
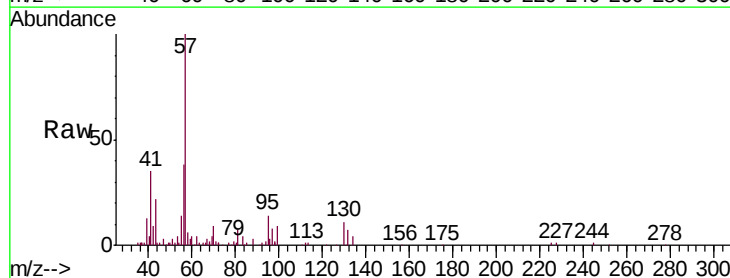
Instrument :
MSVOA_L
ClientSampled :
SVS-1

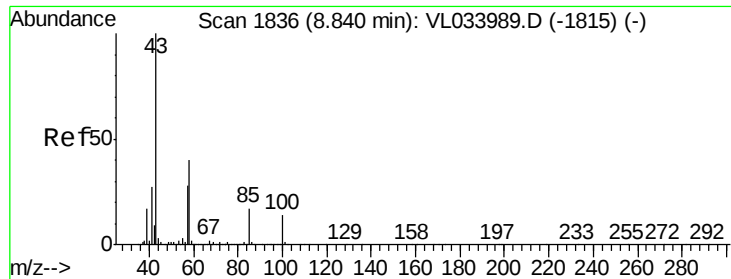
Tgt Ion: 69 Resp: 14462
Ion Ratio Lower Upper
69 100
41 0.0 109.1 163.7#
100 0.0 25.3 37.9#



#44
2,2,4-Trimethylpentane
Concen: 0.466 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

Tgt Ion: 57 Resp: 172286
Ion Ratio Lower Upper
57 100
41 48.7 26.1 39.1#
56 43.5 24.4 36.6#

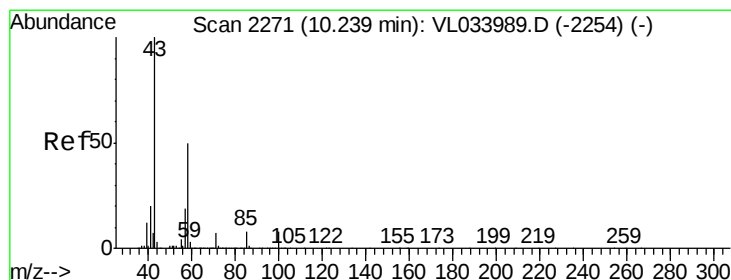
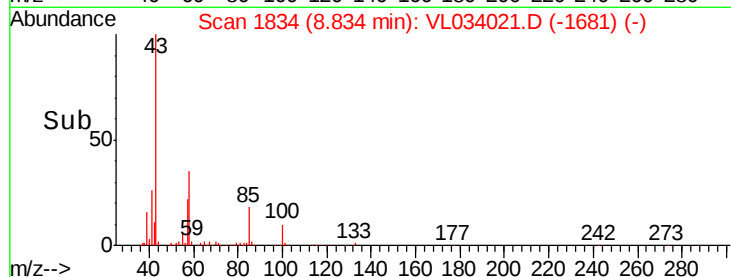
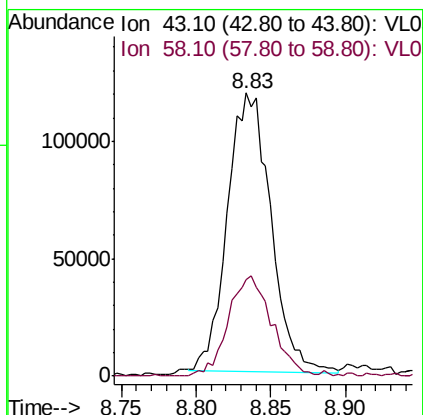
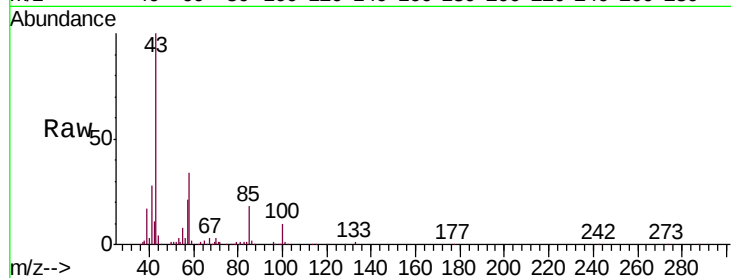




#50
4-Methyl-2-Pentanone
Concen: 1.110 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

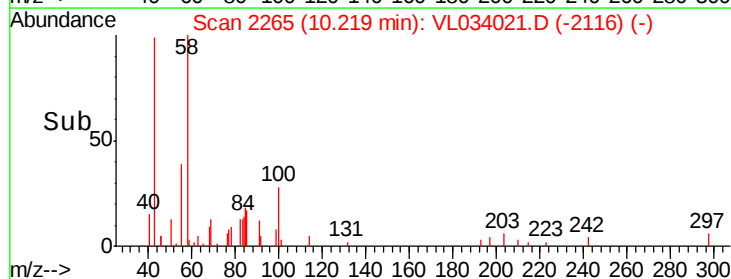
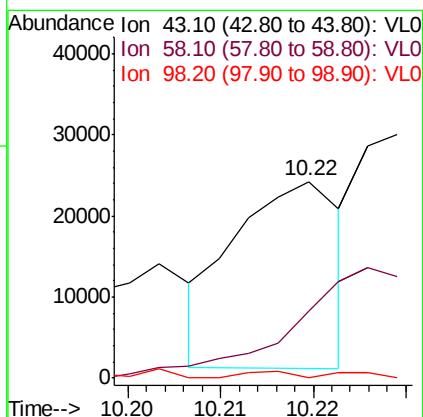
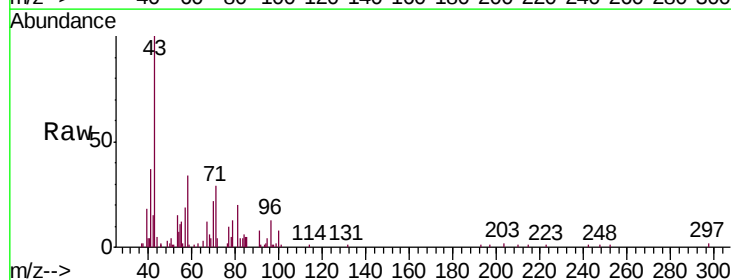
Instrument :
MSVOA_L
ClientSampleId :
SVS-1

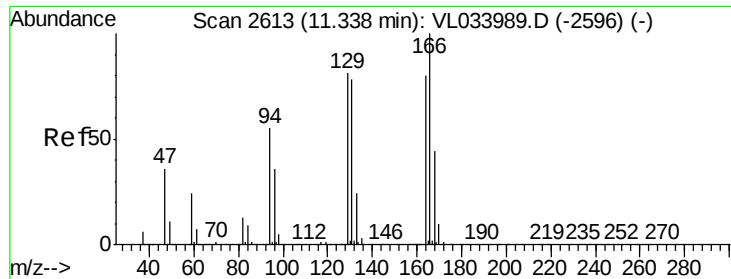
Tgt Ion: 43 Resp: 238524
Ion Ratio Lower Upper
43 100
58 37.1 30.3 45.5



#51
2-Hexanone
Concen: 0.106 ppbv
RT: 10.22 min Scan# 2265
Delta R.T. -0.02 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

Tgt Ion: 43 Resp: 18435
Ion Ratio Lower Upper
43 100
58 0.0 41.0 61.4#
98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.981 ppbv

RT: 11.33 min Scan# 2609

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

SVS-1

Tgt Ion:164 Resp: 90407

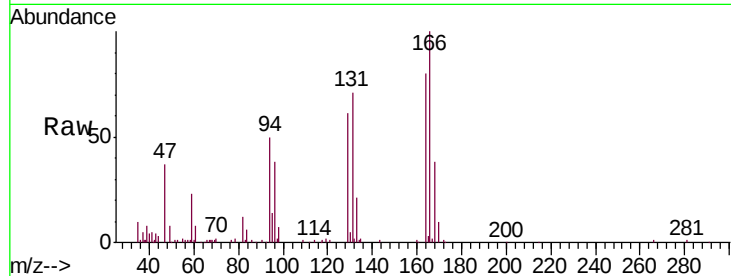
Ion Ratio Lower Upper

164 100

166 124.3 100.2 150.2

129 76.2 81.0 121.6#

131 88.7 78.3 117.5



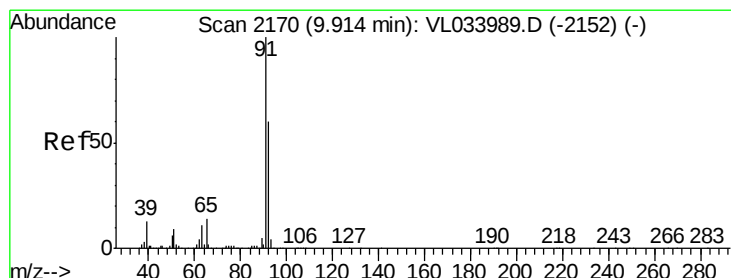
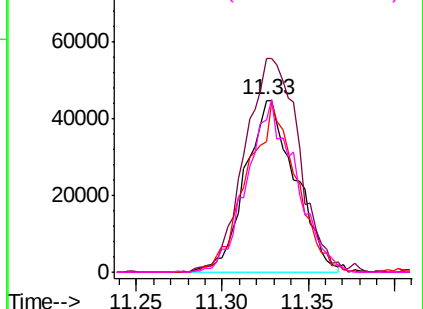
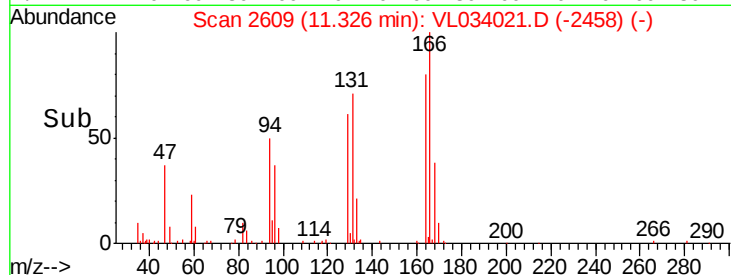
Abundance

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: 18.129 ppbv

RT: 9.90 min Scan# 2167

Delta R.T. -0.01 min

Lab File: VL034021.D

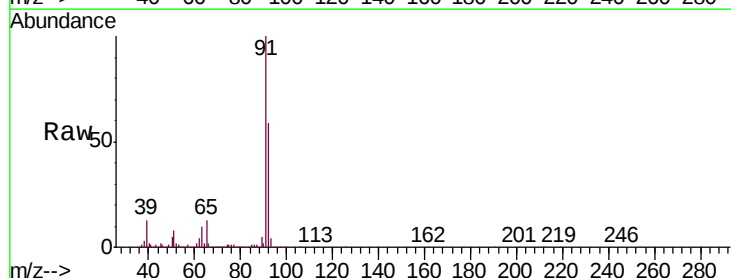
Acq: 11 Jul 2019 17:23

Tgt Ion: 91 Resp: 4442640

Ion Ratio Lower Upper

91 100

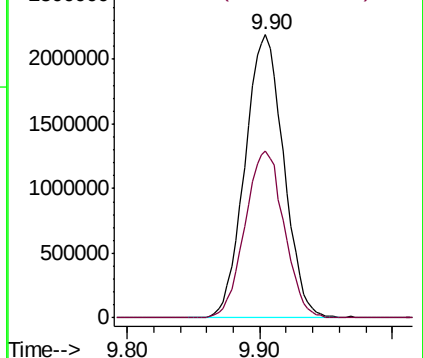
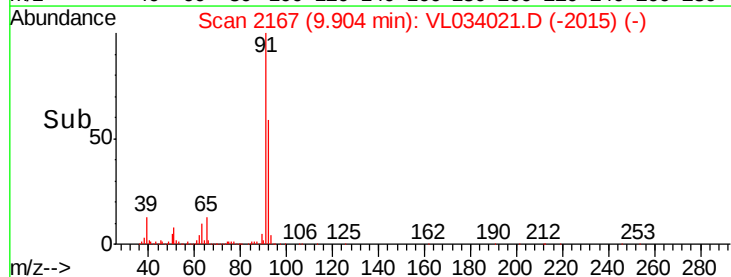
92 59.7 47.7 71.5

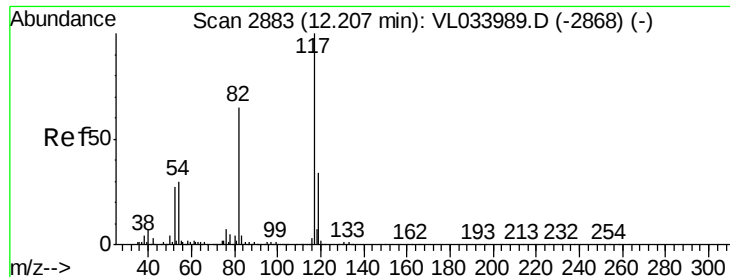


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

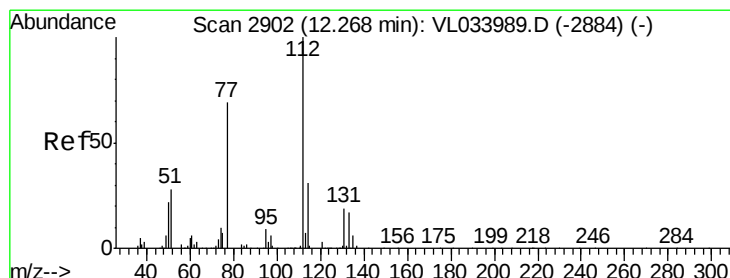
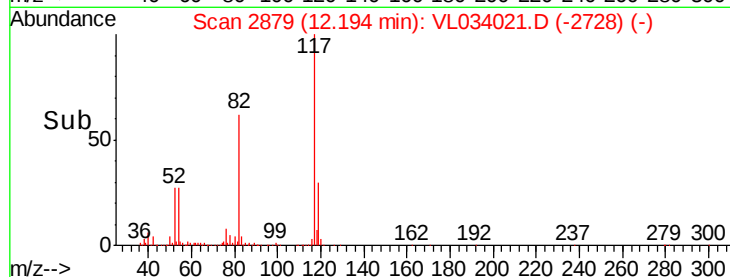
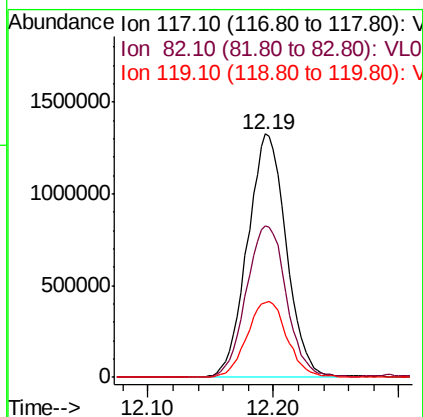
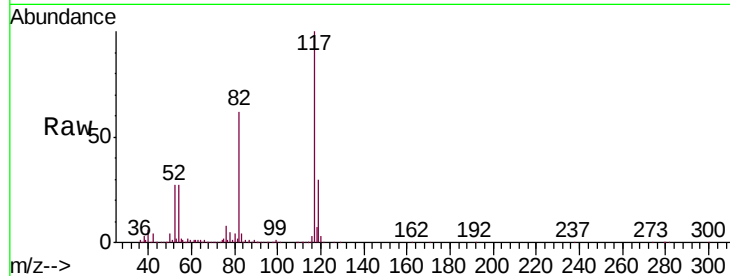




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2879
Delta R.T. -0.01 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

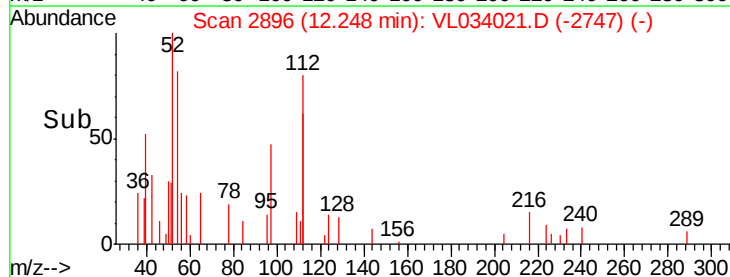
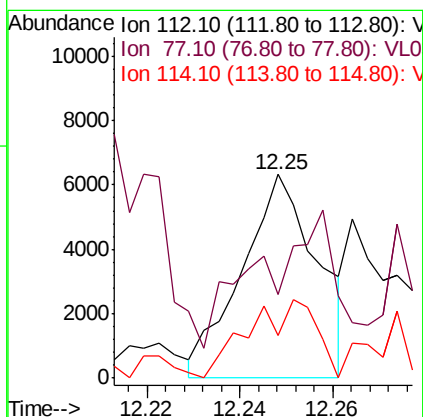
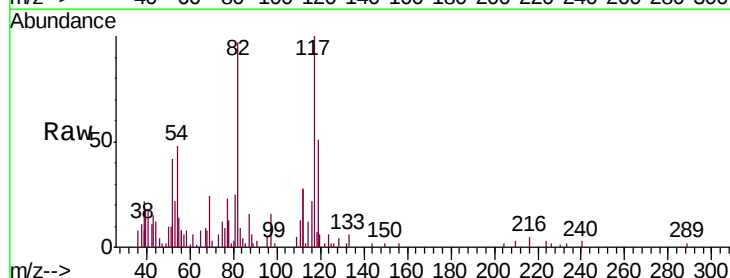
Instrument :
MSVOA_L
ClientSampleId :
SVS-1

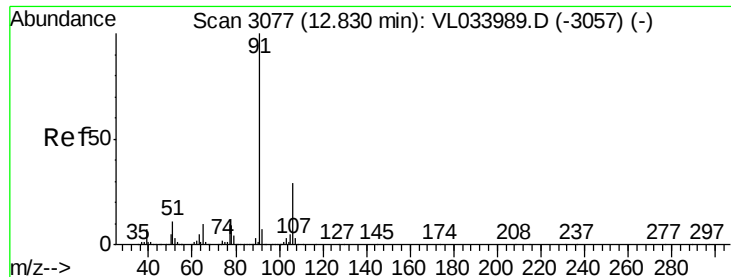
Tgt Ion:117 Resp: 2846291
Ion Ratio Lower Upper
117 100
82 64.7 50.8 76.2
119 32.2 24.0 36.0



#57
Chlorobenzene
Concen: 0.031 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

Tgt Ion:112 Resp: 7136
Ion Ratio Lower Upper
112 100
77 9.0 55.9 83.9#
114 23.0 27.6 33.8#





#58

Ethyl Benzene

Concen: 3.378 ppbv

RT: 12.82 min Scan# 3073

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

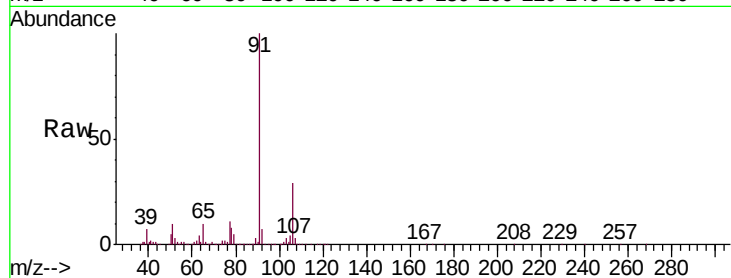
SVS-1

Tgt Ion: 91 Resp: 1156298

Ion Ratio Lower Upper

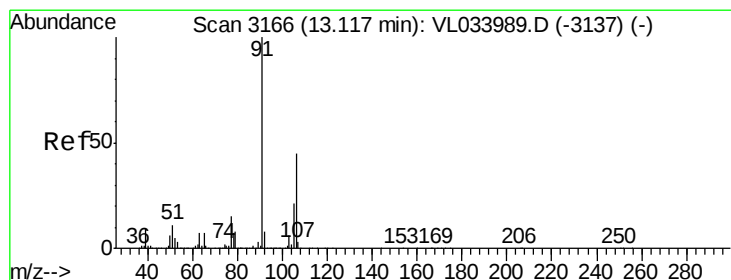
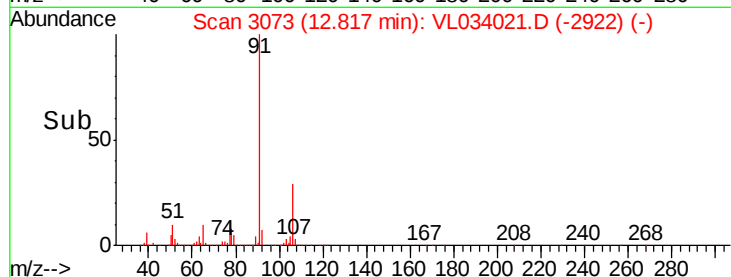
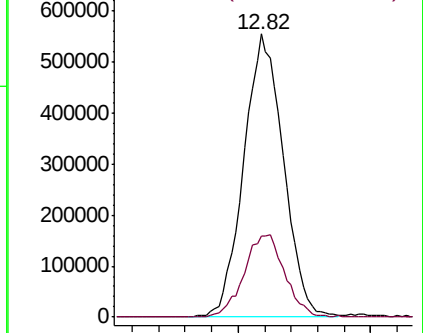
91 100

106 28.6 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 12.832 ppbv

RT: 13.07 min Scan# 3153

Delta R.T. -0.04 min

Lab File: VL034021.D

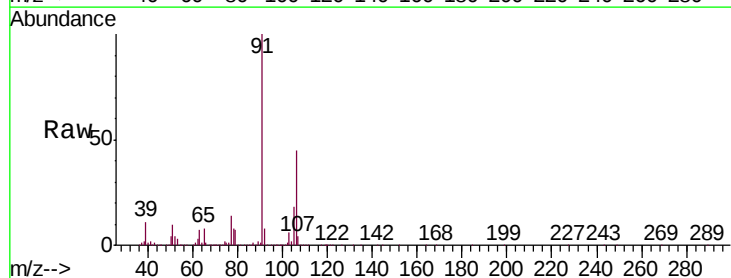
Acq: 11 Jul 2019 17:23

Tgt Ion: 91 Resp: 3976984

Ion Ratio Lower Upper

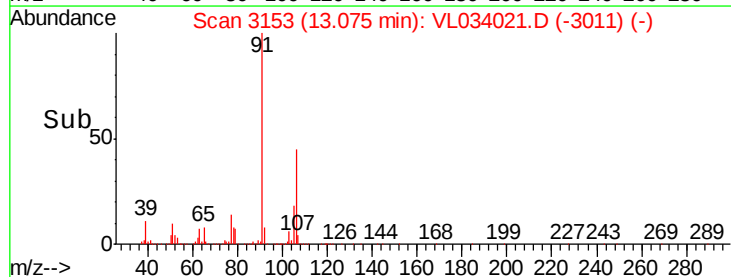
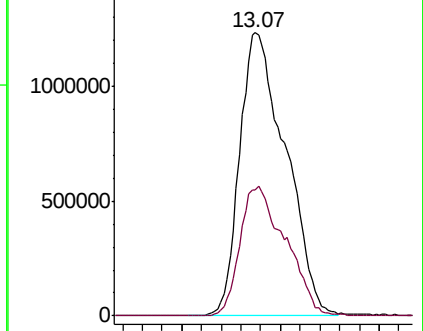
91 100

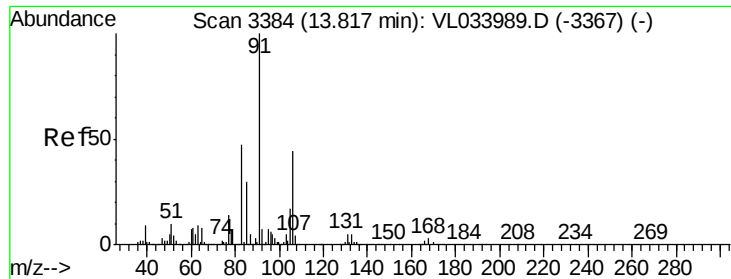
106 45.8 35.7 53.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

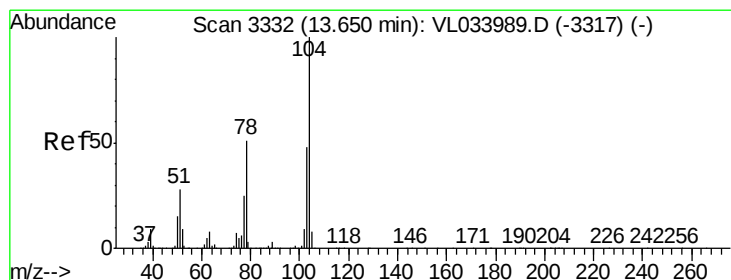
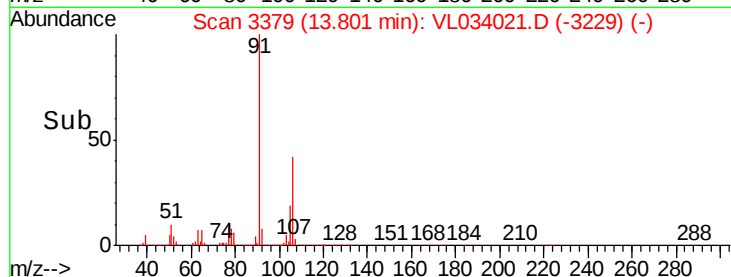
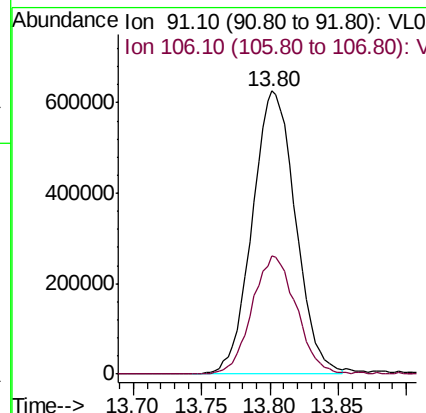
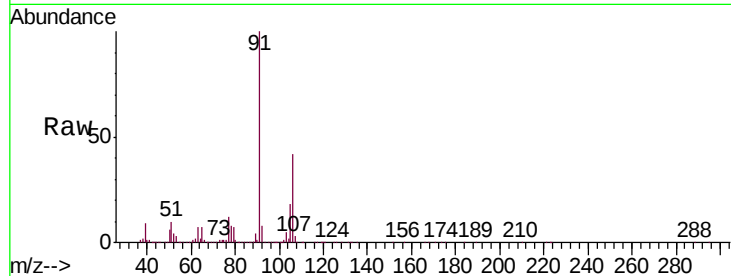




#60
o-Xylene
Concen: 4.428 ppbv
RT: 13.80 min Scan# 3379
Delta R.T. -0.02 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

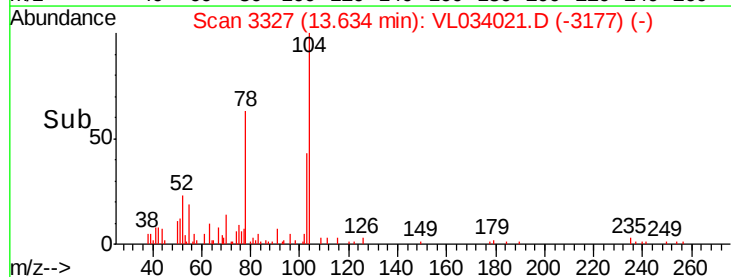
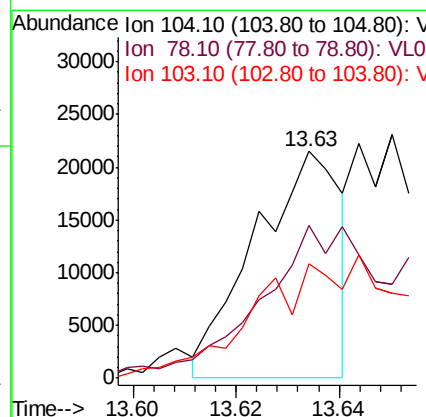
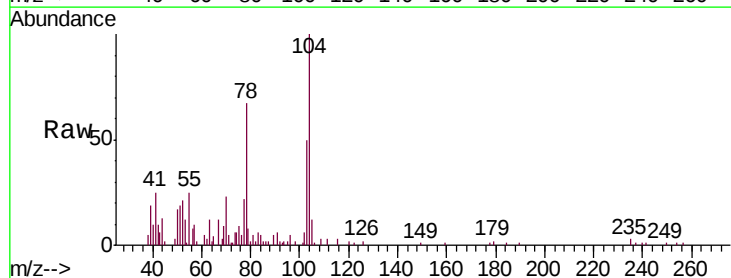
Instrument :
MSVOA_L
ClientSampleId :
SVS-1

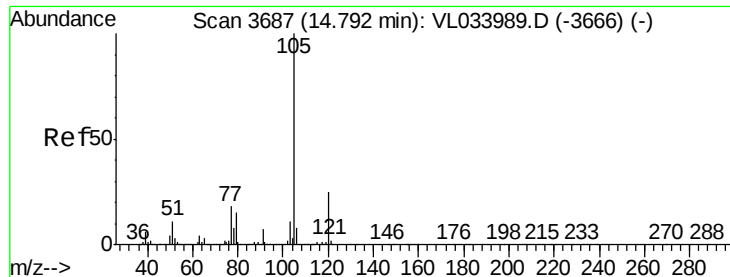
Tgt Ion: 91 Resp: 1372710
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.7



#61
Styrene
Concen: 0.121 ppbv
RT: 13.63 min Scan# 3327
Delta R.T. -0.02 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

Tgt Ion: 104 Resp: 24792
Ion Ratio Lower Upper
104 100
78 128.8 43.9 65.9#
103 0.0 38.1 57.1#





#62

Isopropylbenzene

Concen: 0.286 ppbv

RT: 14.78 min Scan# 3684

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

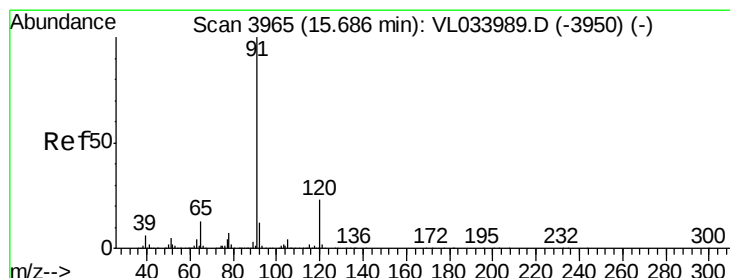
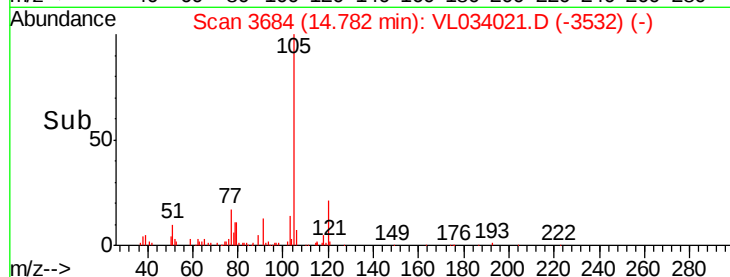
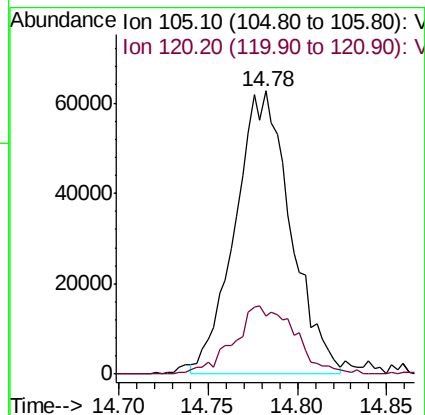
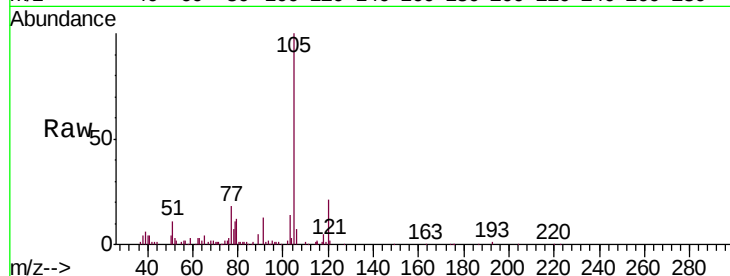
SVS-1

Tgt Ion:105 Resp: 136488

Ion Ratio Lower Upper

105 100

120 26.4 20.4 30.6



#64

n-propylbenzene

Concen: 0.748 ppbv

RT: 15.67 min Scan# 3961

Delta R.T. -0.01 min

Lab File: VL034021.D

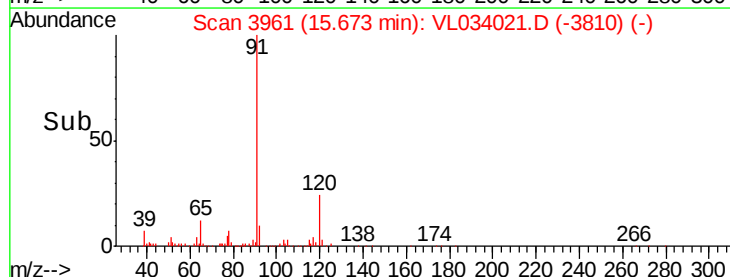
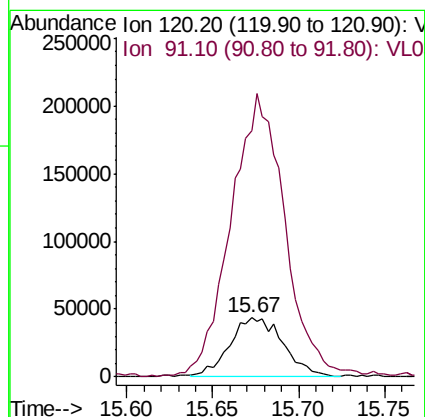
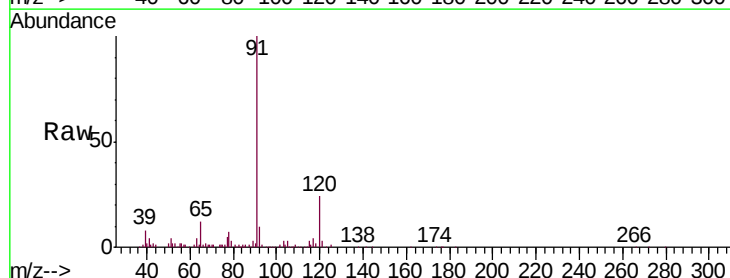
Acq: 11 Jul 2019 17:23

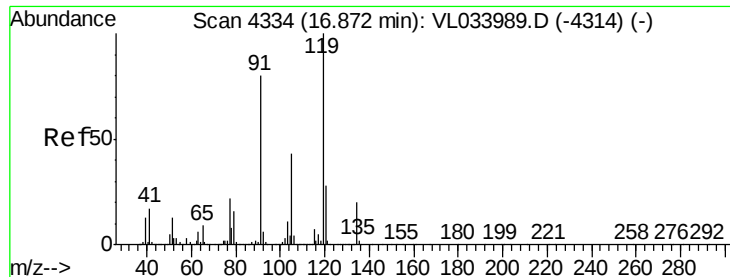
Tgt Ion:120 Resp: 92451

Ion Ratio Lower Upper

120 100

91 490.6 386.6 579.8





#65

tert-Butylbenzene

Concen: 0.477 ppbv

RT: 16.88 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

SVS-1

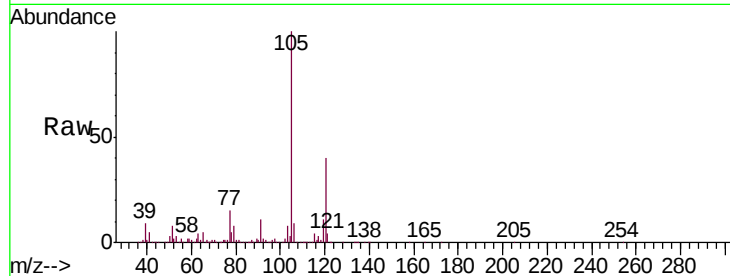
Tgt Ion: 119 Resp: 193513

Ion Ratio Lower Upper

119 100

91 106.7 67.0 100.6#

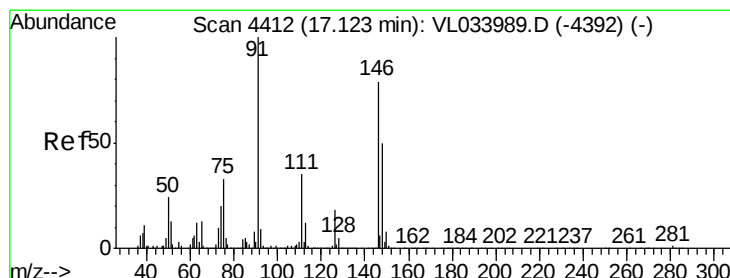
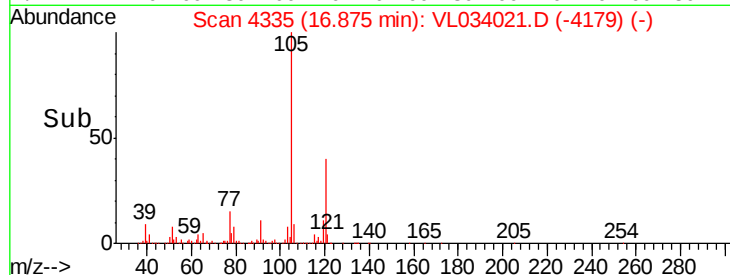
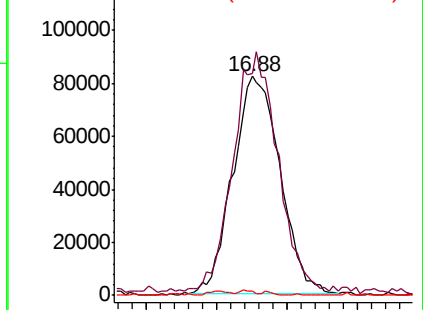
134 2.3 15.8 23.6#



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



#66

Benzyl Chloride

Concen: 0.035 ppbv

RT: 17.10 min Scan# 4405

Delta R.T. -0.02 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

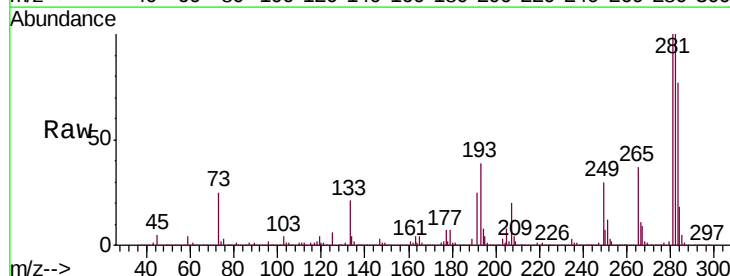
Tgt Ion: 91 Resp: 7279

Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

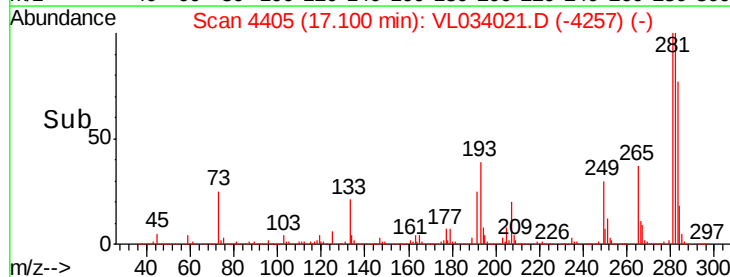
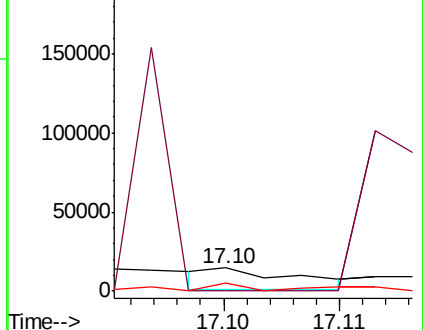
128 0.0 4.6 7.0#

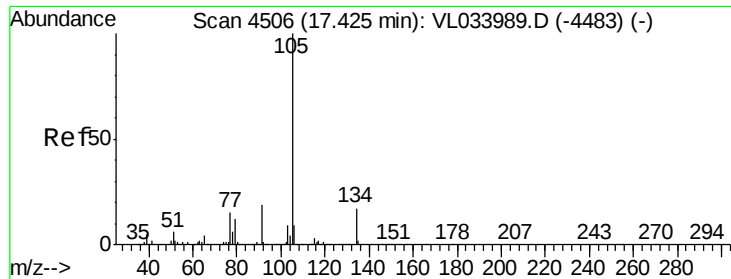


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

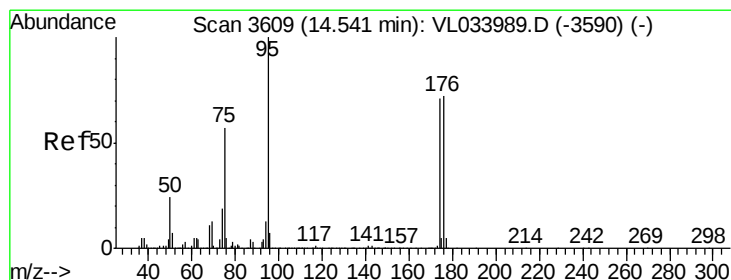
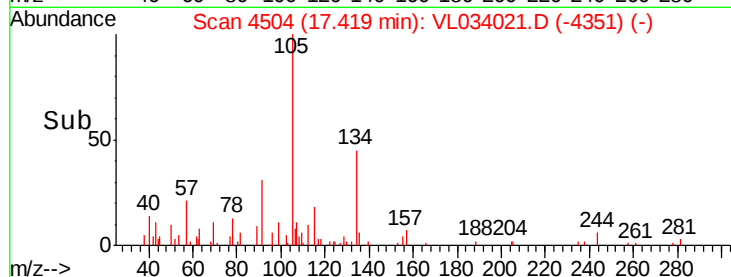
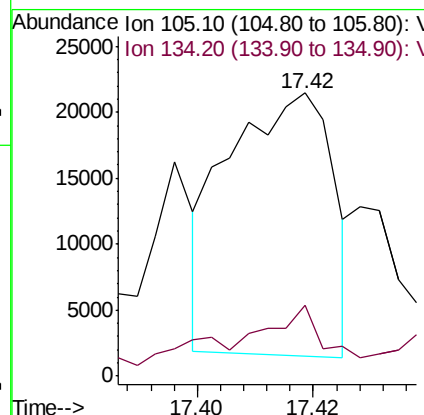
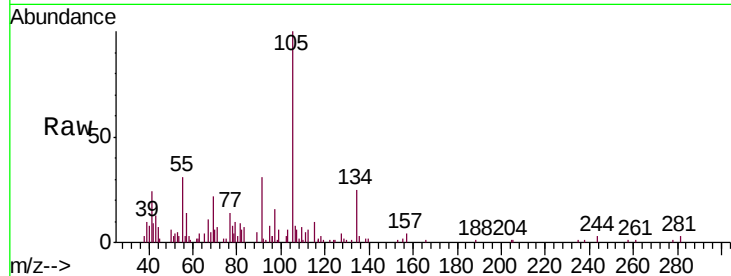




#67
 sec-Butylbenzene
 Concen: 0.044 ppbv
 RT: 17.42 min Scan# 4504
 Delta R.T. -0.01 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

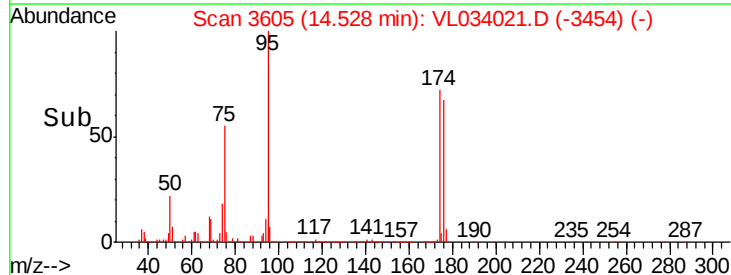
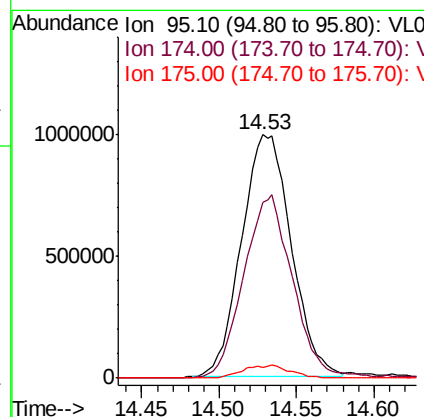
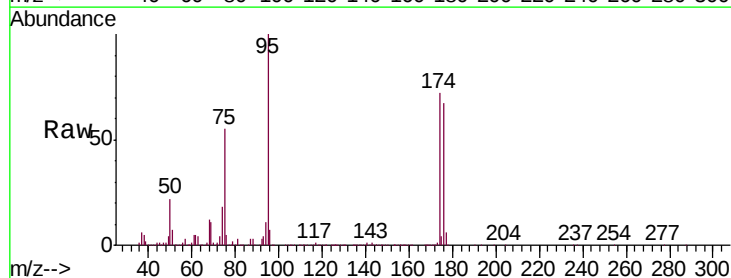
Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-1

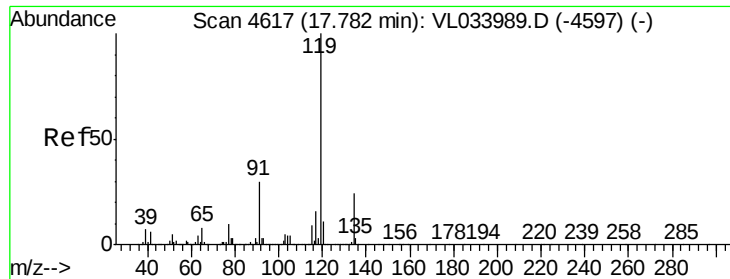
Tgt Ion: 105 Resp: 25079
 Ion Ratio Lower Upper
 105 100
 134 37.7 14.7 22.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.180 ppbv
 RT: 14.53 min Scan# 3605
 Delta R.T. -0.01 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

Tgt Ion: 95 Resp: 2228517
 Ion Ratio Lower Upper
 95 100
 174 75.5 60.5 90.7
 175 5.1 4.0 6.0

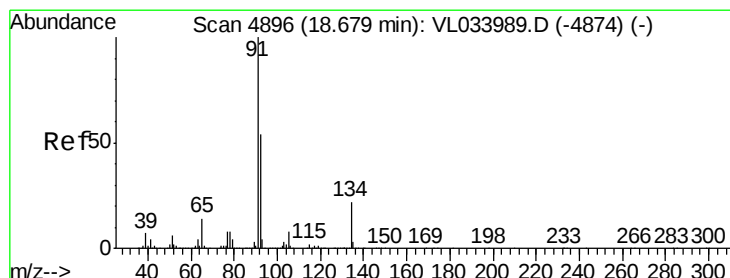
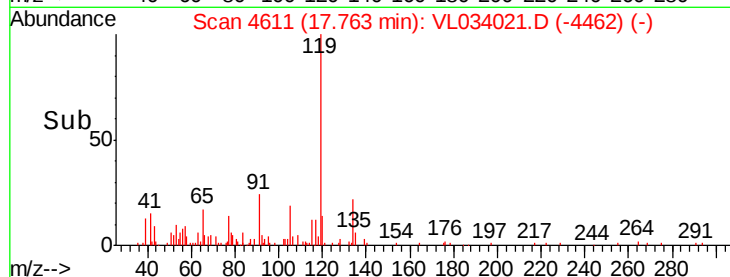
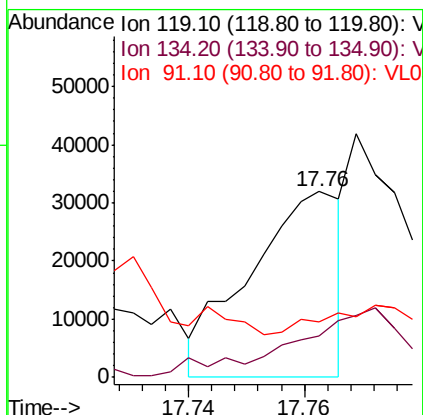
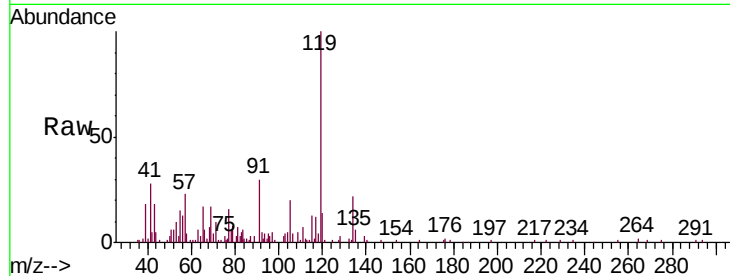




#69
p-Isopropyltoluene
Concen: 0.075 ppbv
RT: 17.76 min Scan# 4611
Delta R.T. -0.02 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

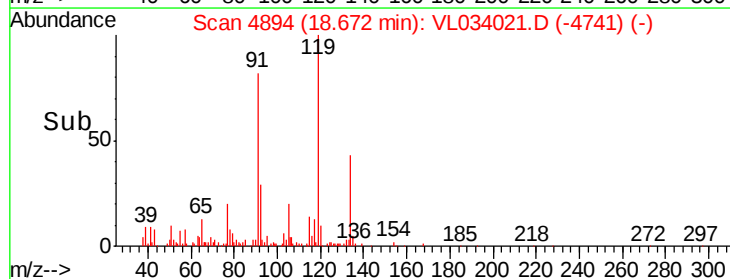
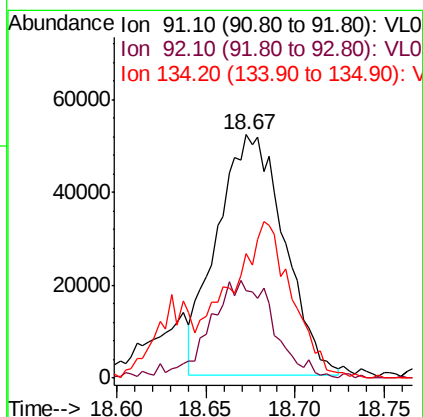
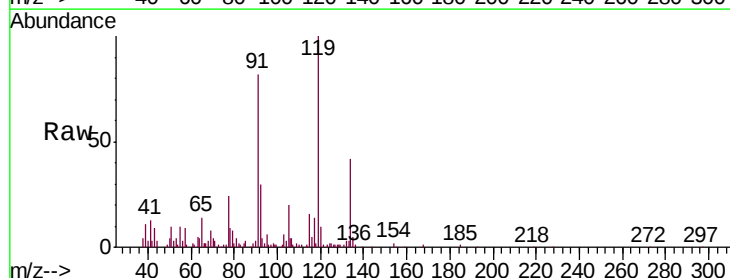
Instrument :
MSVOA_L
ClientSampled :
SVS-1

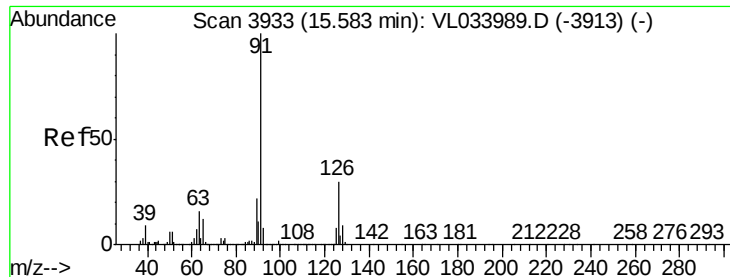
Tgt Ion: 119 Resp: 35113
Ion Ratio Lower Upper
119 100
134 0.0 20.1 30.1#
91 0.0 23.6 35.4#



#70
n-Butylbenzene
Concen: 0.277 ppbv
RT: 18.67 min Scan# 4894
Delta R.T. -0.01 min
Lab File: VL034021.D
Acq: 11 Jul 2019 17:23

Tgt Ion: 91 Resp: 136262
Ion Ratio Lower Upper
91 100
92 39.9 42.0 63.0#
134 78.8 17.9 26.9#

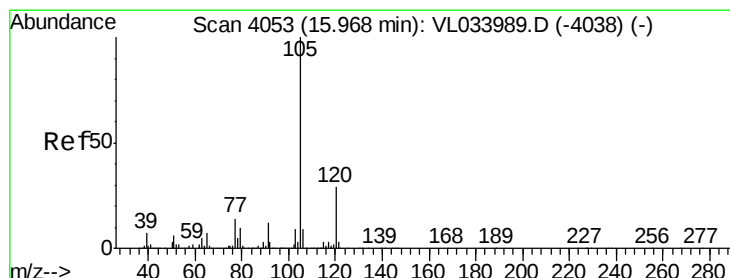
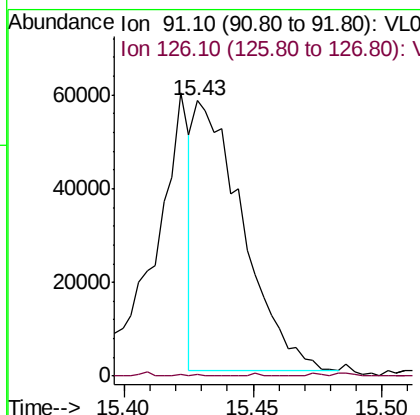
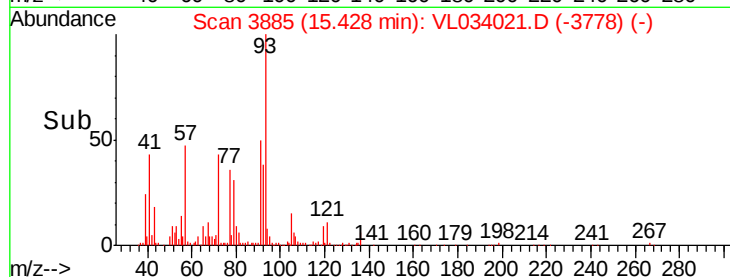
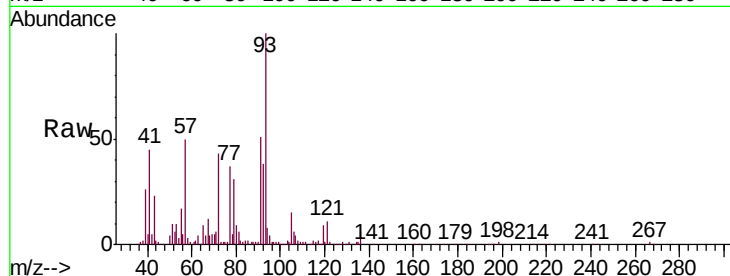




#71
 2-Chlorotoluene
 Concen: 0.216 ppbv
 RT: 15.43 min Scan# 3885
 Delta R.T. -0.15 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

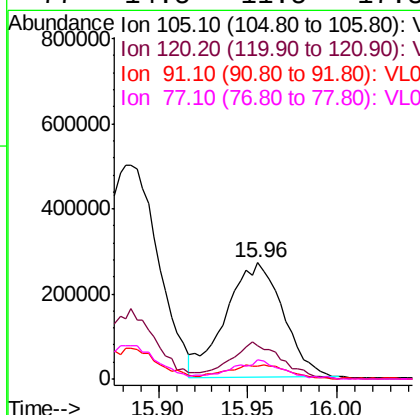
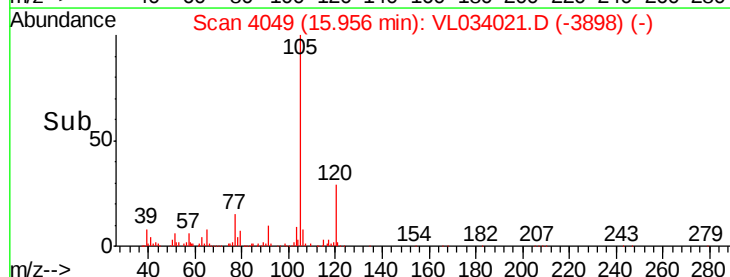
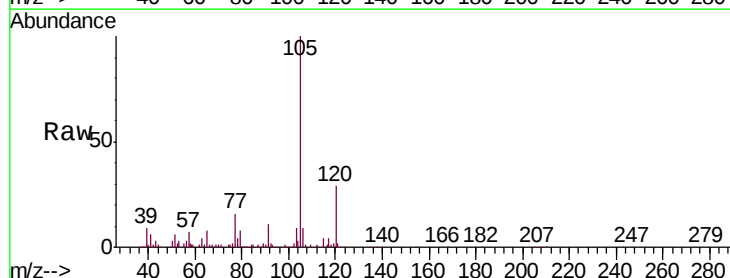
Instrument :
 MSVOA_L
 ClientSampleId :
 SVS-1

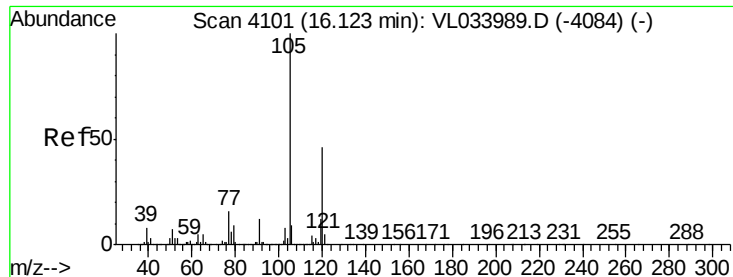
Tgt Ion: 91 Resp: 75422
 Ion Ratio Lower Upper
 91 100
 126 0.7 12.3 49.3#



#72
 4-Ethyltoluene
 Concen: 1.514 ppbv
 RT: 15.96 min Scan# 4049
 Delta R.T. -0.01 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

Tgt Ion: 105 Resp: 602698
 Ion Ratio Lower Upper
 105 100
 120 29.2 24.1 36.1
 91 12.6 10.6 16.0
 77 14.5 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 1.127 ppbv

RT: 16.11 min Scan# 4098

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Instrument :

MSVOA_L

ClientSampleId :

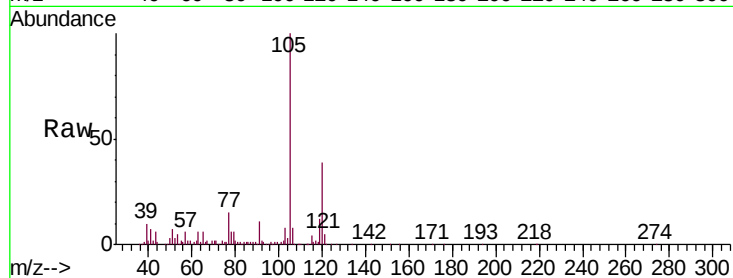
SVS-1

Tgt Ion:105 Resp: 417385

Ion Ratio Lower Upper

105 100

120 39.3 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.11

200000

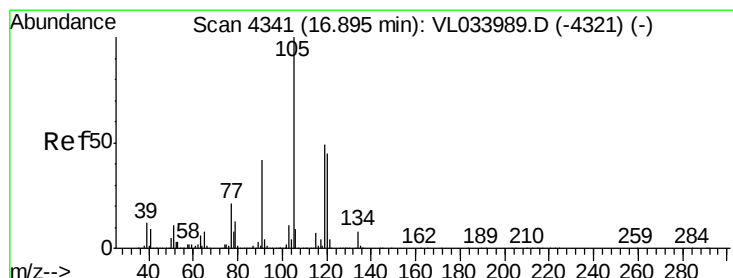
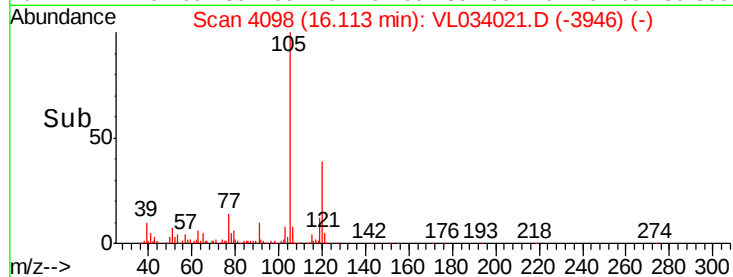
150000

100000

50000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 4.152 ppbv

RT: 16.88 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Tgt Ion:105 Resp: 1703741

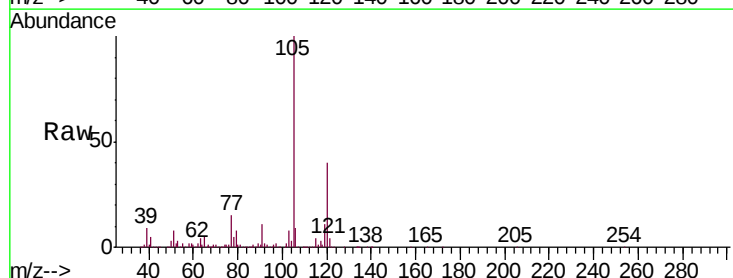
Ion Ratio Lower Upper

105 100

120 40.1 36.2 54.2

91 10.8 34.3 51.5#

77 14.4 17.1 25.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1200000

1000000

800000

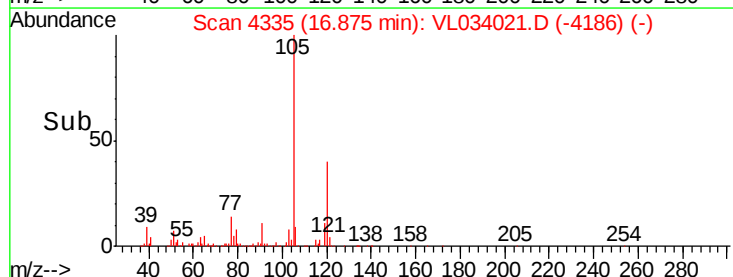
600000

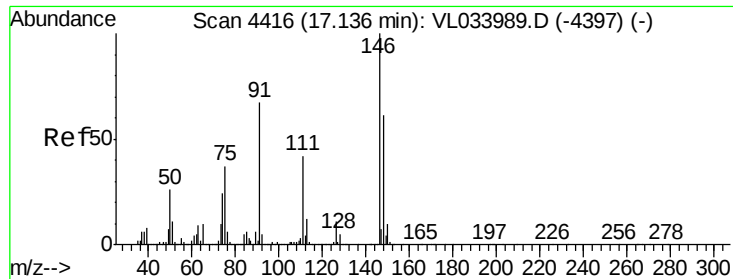
400000

200000

0

Time-->

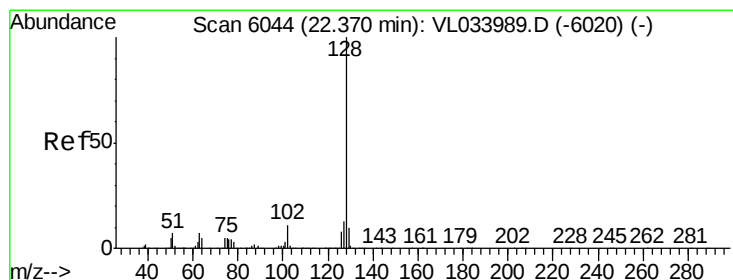
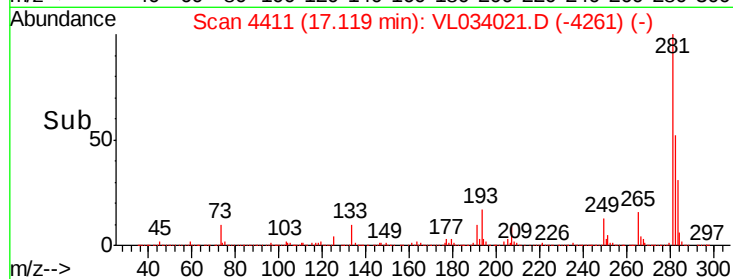
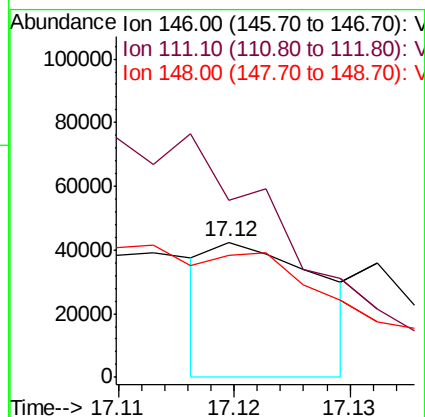
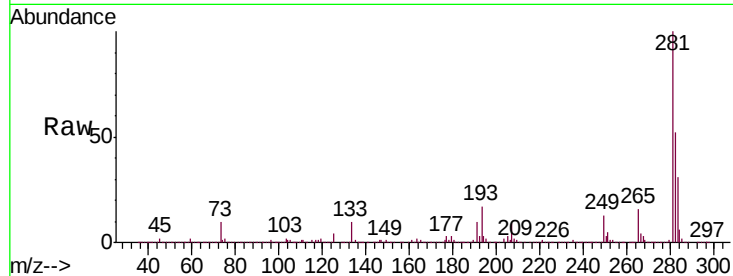




#75
 1,3-Dichlorobenzene
 Concen: 0.107 ppbv
 RT: 17.12 min Scan# 4411
 Delta R.T. -0.02 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

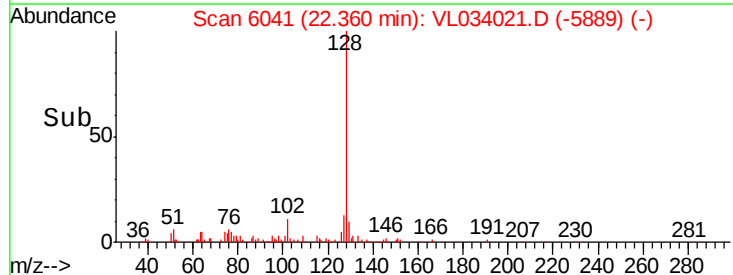
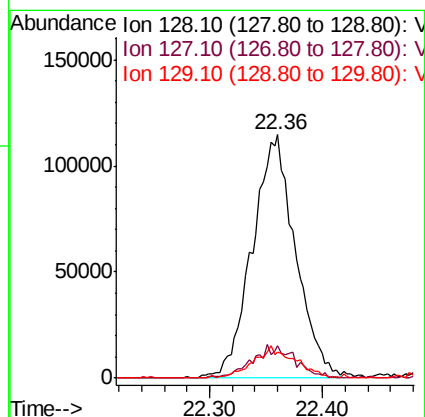
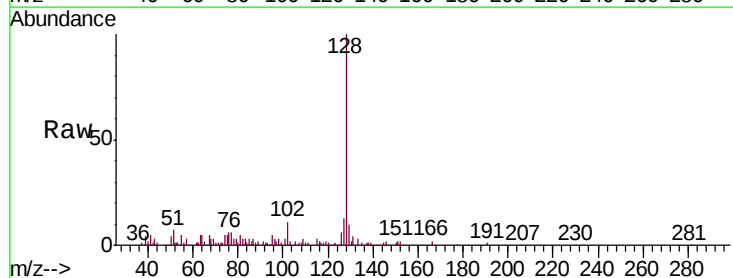
Instrument :
 MSVOA_L
 ClientSampled :
 SVS-1

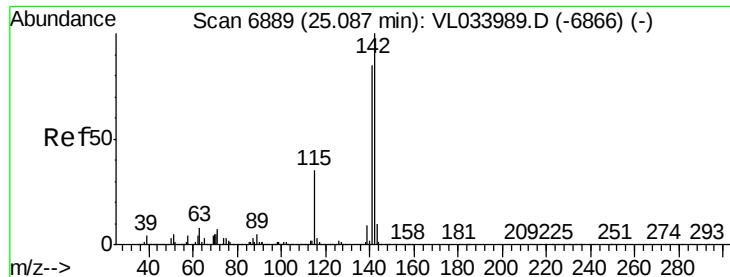
Tgt Ion:146 Resp: 27985
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.3 66.9#
 148 0.0 32.0 96.2#



#79
 Naphthalene
 Concen: 0.879 ppbv
 RT: 22.36 min Scan# 6041
 Delta R.T. -0.01 min
 Lab File: VL034021.D
 Acq: 11 Jul 2019 17:23

Tgt Ion:128 Resp: 303100
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.6 15.8
 129 10.4 8.3 12.5





#80

Naphthalene, 2-methyl-

Concen: 0.388 ppbv

RT: 25.07 min Scan# 6885

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

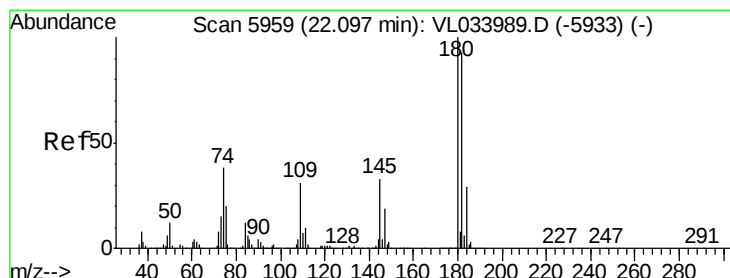
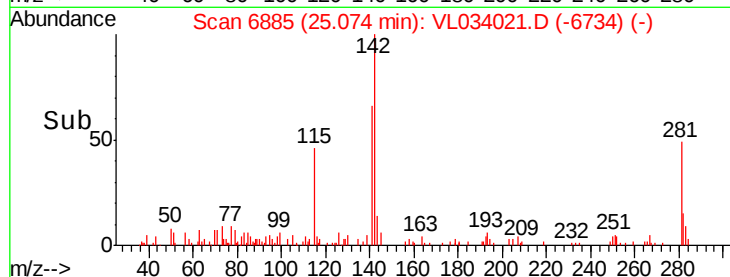
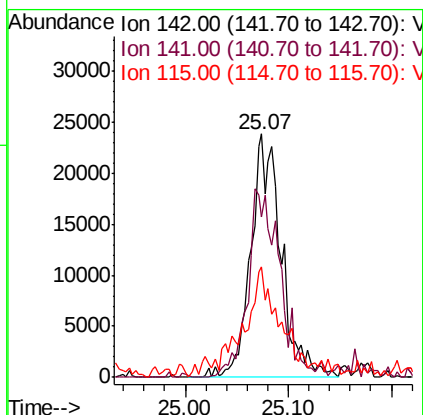
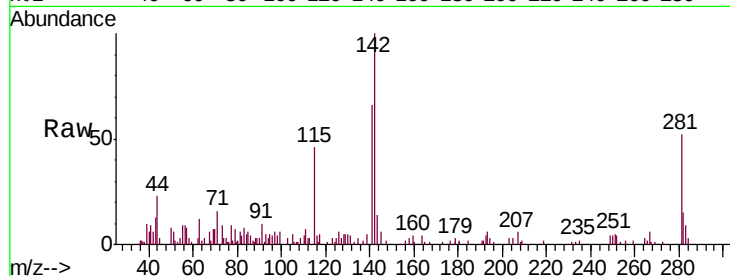
Instrument :

MSVOA_L

ClientSampleId :

SVS-1

Tgt Ion:	142	Resp:	48697
Ion	Ratio	Lower	Upper
142	100		
141	82.6	68.2	102.2
115	55.9	29.9	44.9#



#81

1,2,4-Trichlorobenzene

Concen: 0.054 ppbv

RT: 22.08 min Scan# 5955

Delta R.T. -0.01 min

Lab File: VL034021.D

Acq: 11 Jul 2019 17:23

Tgt Ion:	180	Resp:	11977
Ion	Ratio	Lower	Upper
180	100		
182	128.6	76.6	114.8#
184	46.5	24.6	36.8#

