

Data File : VL034141.D
Acq On : 10 Sep 2019 13:59
Operator : SY/AP
Sample : K4775-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV5

Quant Time: Sep 11 01:48:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	883871	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.25	114	1674737	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.17	117	1631017	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.51 95 1443258 10.82 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 108.20%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.03	85	34528	0.237 ppbv	89
3) Chlorodifluoromethane	2.97	51	69269	0.703 ppbv #	83
4) Chloromethane	3.12	50	45236	0.734 ppbv	94
5) Vinyl Chloride	3.25	62	1878	0.033 ppbv	89
7) Chloroethane	3.56	64	5012	0.262 ppbv	94
9) Propene	3.00	41	2629524	47.701 ppbv	100
10) Heptane	8.23	43	10241	0.072 ppbv #	29
11) Trichlorofluoromethane	3.95	101	34336	0.289 ppbv	97
13) Ethanol	3.63	45	757310	70.128 ppbv	98
15) Acetone	3.87	43	15945622	149.690 ppbv #	16
16) 1,3-Butadiene	3.35	39	359704	6.668 ppbv #	10
17) tert-Butyl alcohol	4.32	59	1810298	23.410 ppbv	98
18) 1,1-Dichloroethene	4.31	96	2457	0.068 ppbv #	60
19) Isopropyl Alcohol	3.99	45	2851284	39.656 ppbv #	97
20) Methylene Chloride	4.38	84	66940	1.901 ppbv #	79
21) Allyl Chloride	4.41	41	20091	0.286 ppbv #	18
23) Vinyl Acetate	5.13	43	1297946	7.182 ppbv #	52
25) Ethyl Acetate	5.72	43	881537	3.770 ppbv #	79
26) Hexane	5.72	57	1101233	10.593 ppbv #	31
27) Carbon Disulfide	4.56	76	1071922	11.425 ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	153105	1.005 ppbv	97
29) Chloroform	5.81	83	306753	2.188 ppbv	98
30) Cyclohexane	7.19	84	239756	3.190 ppbv #	83
31) cis-1,2-Dichloroethene	5.60	61	15045	0.151 ppbv #	66
34) 2-Butanone	5.28	43	7045361	43.759 ppbv #	76
36) Benzene	6.95	78	1042491	5.446 ppbv	94
37) 1,2-Dichloroethane	6.38	62	4429	0.038 ppbv #	89
38) Trichloroethene	7.91	130	5691	0.080 ppbv	87
39) 1,2-Dichloropropane	7.24	63	522483	6.378 ppbv #	24
40) 1,4-Dioxane	7.91	88	1599	0.053 ppbv #	1
41) Tetrahydrofuran	6.15	42	9820	0.102 ppbv #	78
42) Bromodichloromethane	7.85	83	106441	0.695 ppbv #	25
43) Methyl Methacrylate	8.11	69	119246	1.512 ppbv #	1
44) 2,2,4-Trimethylpentane	7.93	57	3851902	10.914 ppbv	92
50) 4-Methyl-2-Pentanone	8.81	43	1026951	4.180 ppbv	99
51) 2-Hexanone	10.20	43	3577094	16.854 ppbv #	98
52) Tetrachloroethene	11.31	164	1325980	19.644 ppbv	97
53) Toluene	9.88	91	3345978	15.804 ppbv	100
58) Ethyl Benzene	12.79	91	1198698	4.482 ppbv	96
59) m/p-Xylene	13.05	91	3437457	15.756 ppbv	99
60) o-Xylene	13.78	91	1342307	6.177 ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) Styrene	13.61	104	40429	0.249	ppbv #	41
62) Isopropylbenzene	14.76	105	104196	0.369	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.77	83	17479	0.099	ppbv #	24
64) n-propylbenzene	15.65	120	112687	1.591	ppbv	68
65) tert-Butylbenzene	16.87	119	181202	0.743	ppbv #	70
67) sec-Butylbenzene	17.40	105	17563	0.050	ppbv #	30
69) p-Isopropyltoluene	17.75	119	11367	0.040	ppbv #	1
70) n-Butylbenzene	18.69	91	116252	0.364	ppbv #	24
71) 2-Chlorotoluene	15.40	91	84619	0.366	ppbv	88
72) 4-Ethyltoluene	15.93	105	677083	2.762	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	474270	1.990	ppbv	92
74) 1,2,4-Trimethylbenzene	16.87	105	1658772	6.760	ppbv #	74
75) 1,3-Dichlorobenzene	17.09	146	6662	0.051	ppbv #	22
79) Naphthalene	22.34	128	41906	0.189	ppbv #	95

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

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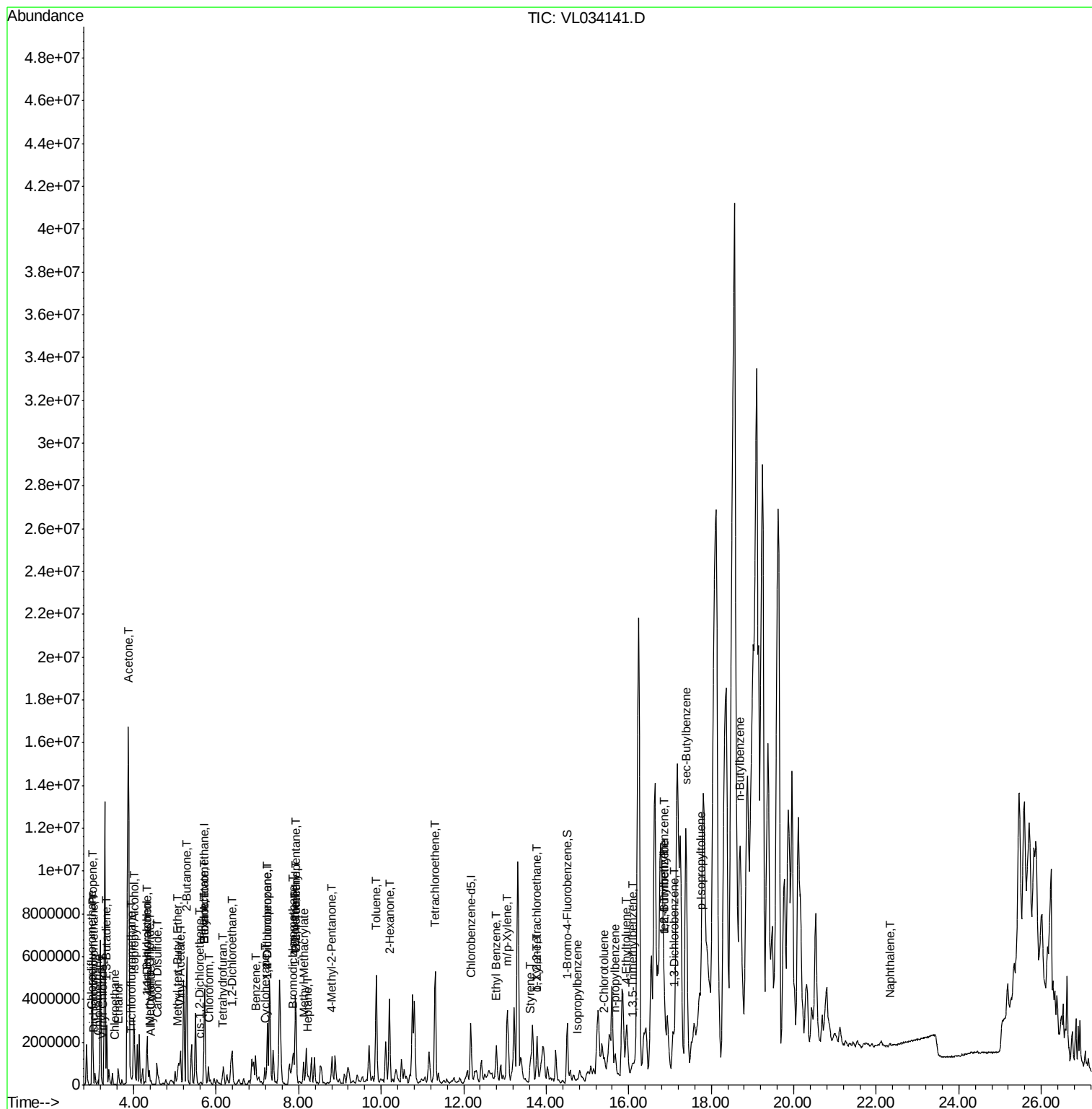
Quant Time: Sep 11 01:48:17 2019

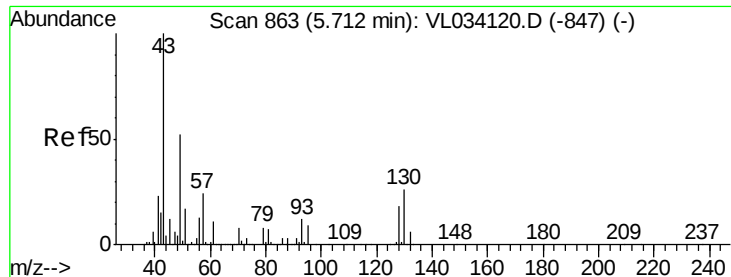
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL090519AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 914

Delta R.T. 0.01 min

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SV5

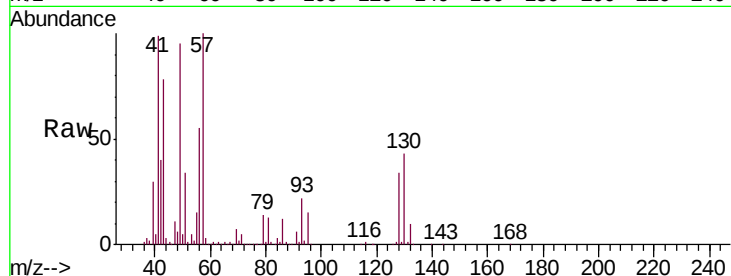
Tgt Ion: 49 Resp: 883871

Ion Ratio Lower Upper

49 100

128 36.3 18.4 55.0

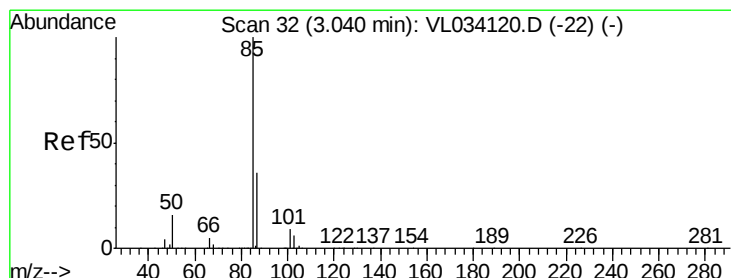
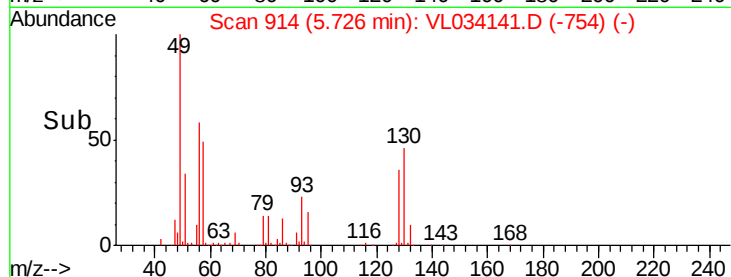
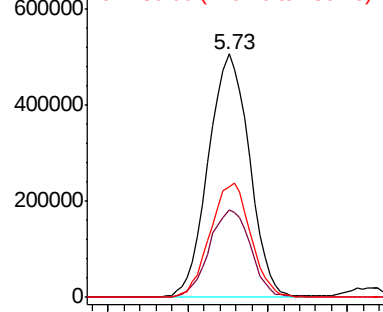
130 46.5 23.5 70.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.237 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL034141.D

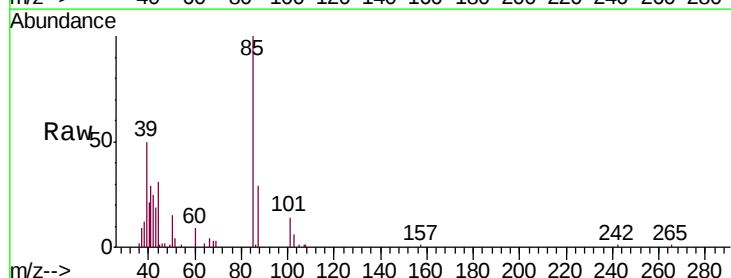
Acq: 10 Sep 2019 13:59

Tgt Ion: 85 Resp: 34528

Ion Ratio Lower Upper

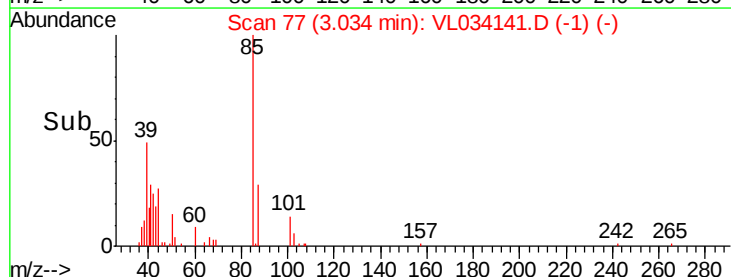
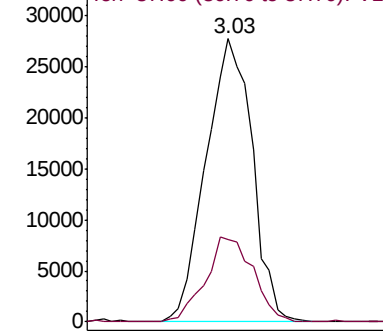
85 100

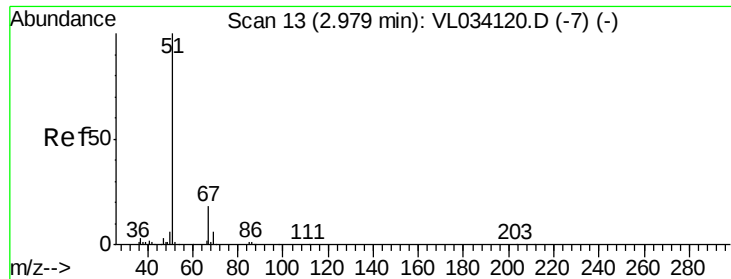
87 29.1 28.6 43.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

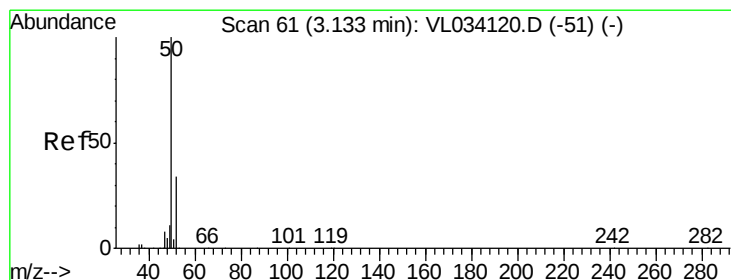
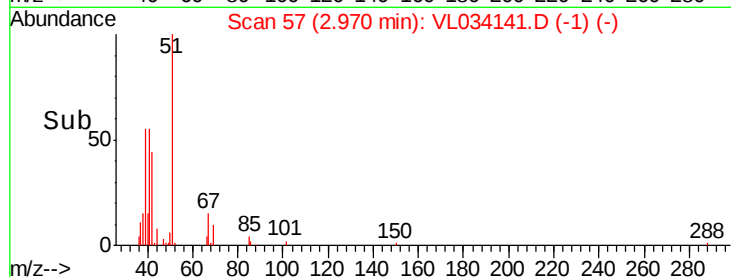
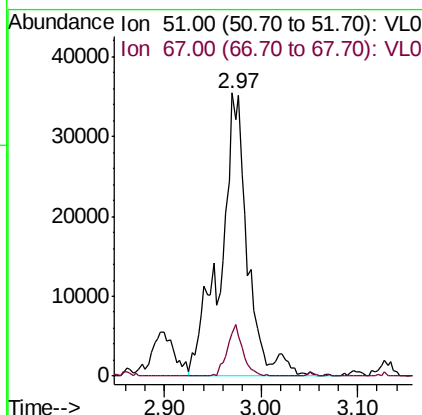
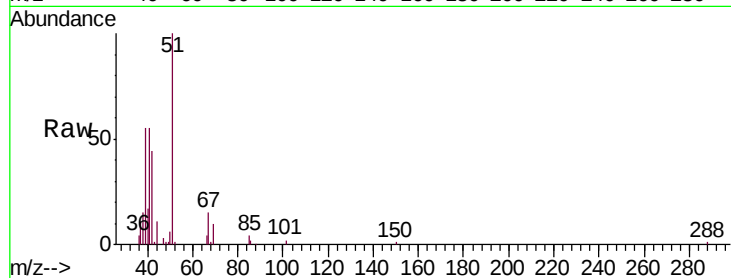




#3
 Chlorodifluoromethane
 Concen: 0.703 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

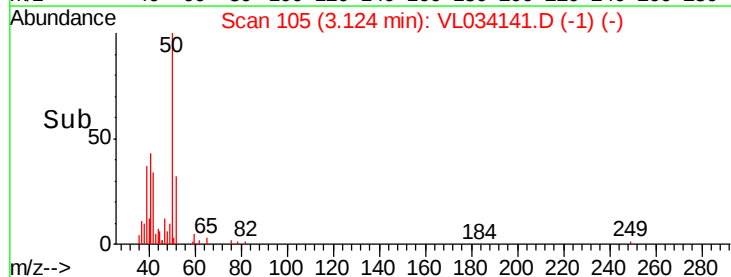
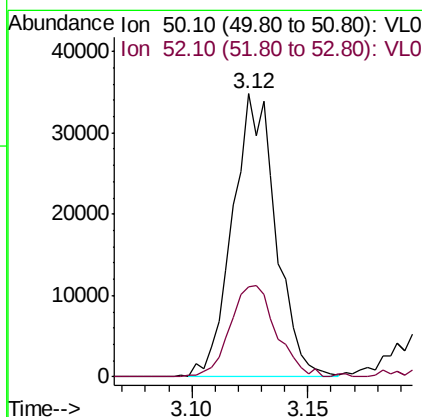
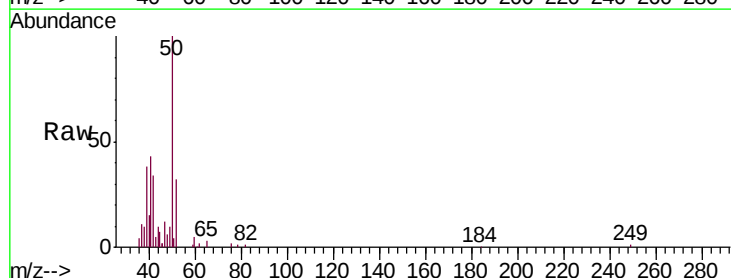
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

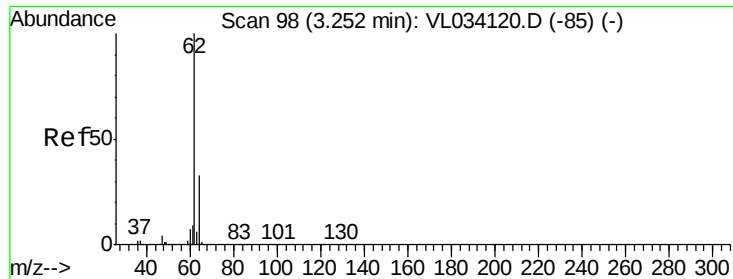
Tgt Ion: 51 Resp: 69269
 Ion Ratio Lower Upper
 51 100
 67 10.2 14.2 21.4#



#4
 Chloromethane
 Concen: 0.734 ppbv
 RT: 3.12 min Scan# 105
 Delta R.T. -0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Tgt Ion: 50 Resp: 45236
 Ion Ratio Lower Upper
 50 100
 52 31.1 27.4 41.2





#5

Vinyl Chloride

Concen: 0.033 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

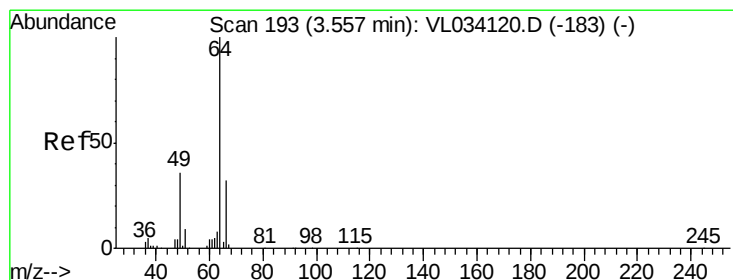
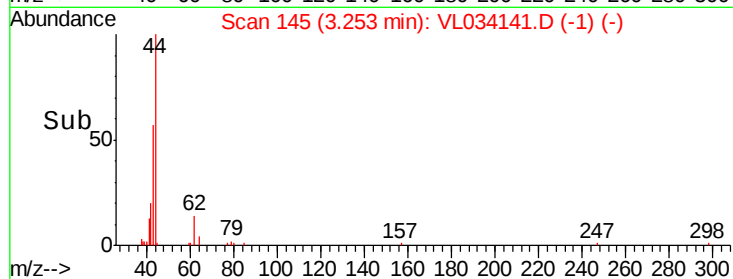
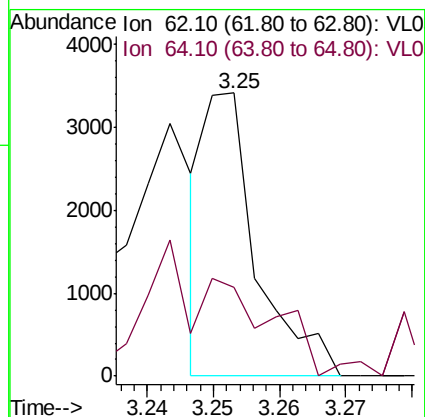
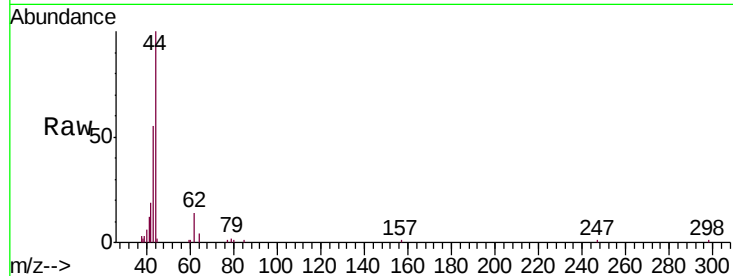
SV5

Tgt Ion: 62 Resp: 1878

Ion Ratio Lower Upper

62 100

64 27.0 26.6 39.8



#7

Chloroethane

Concen: 0.262 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL034141.D

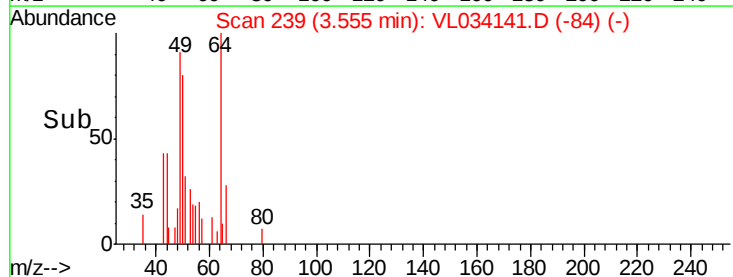
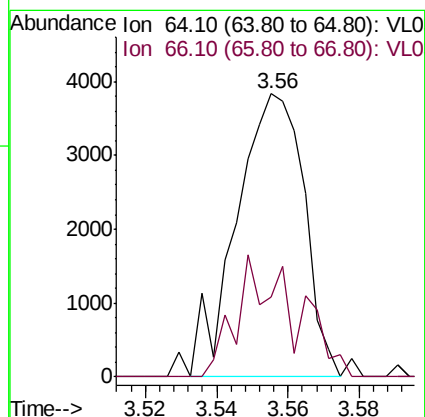
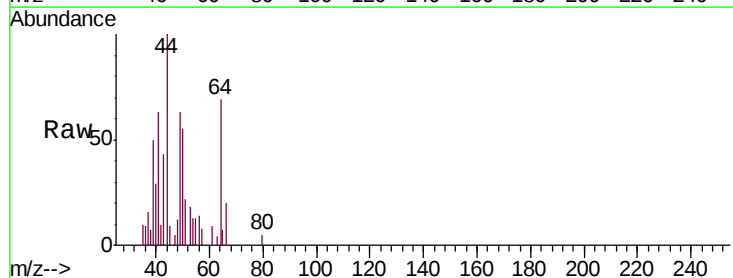
Acq: 10 Sep 2019 13:59

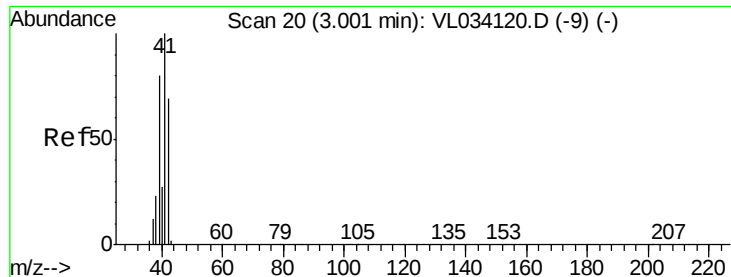
Tgt Ion: 64 Resp: 5012

Ion Ratio Lower Upper

64 100

66 28.4 25.4 38.2





#9

Propene

Concen: 47.701 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

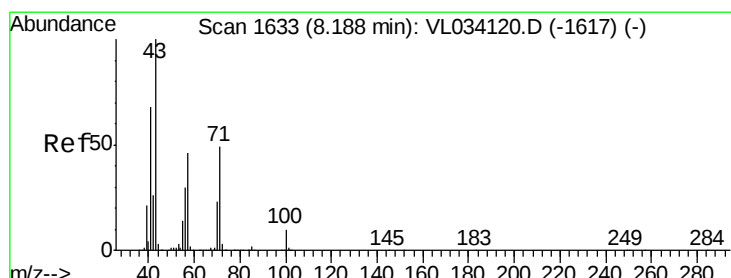
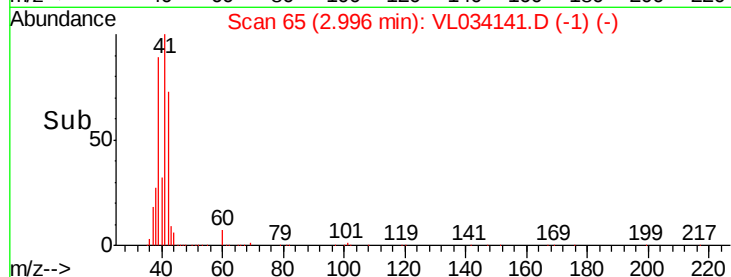
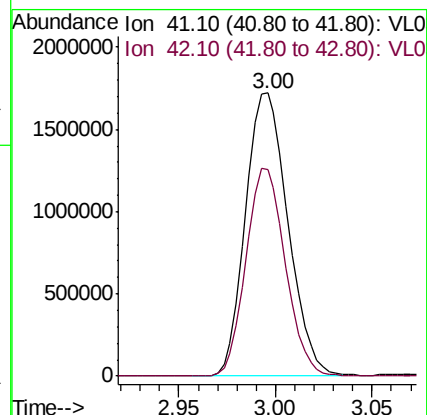
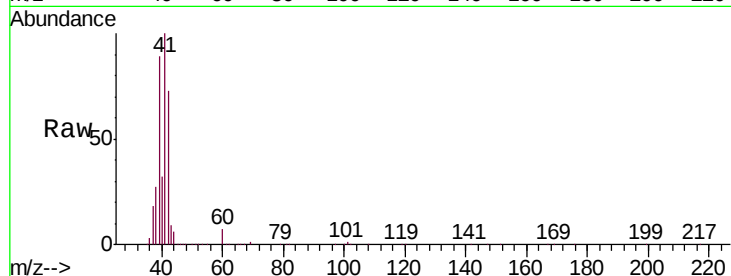
SV5

Tgt Ion: 41 Resp: 2629524

Ion Ratio Lower Upper

41 100

42 68.5 54.6 81.8



#10

Heptane

Concen: 0.072 ppbv

RT: 8.23 min Scan# 1693

Delta R.T. 0.04 min

Lab File: VL034141.D

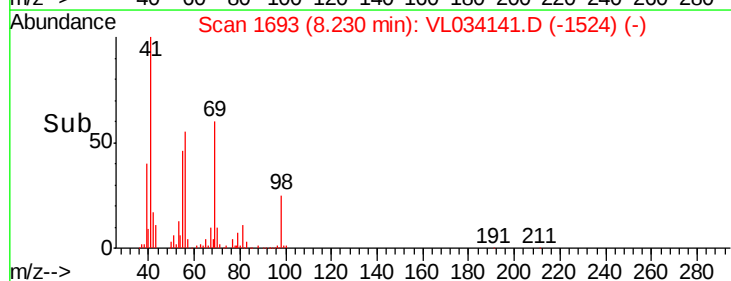
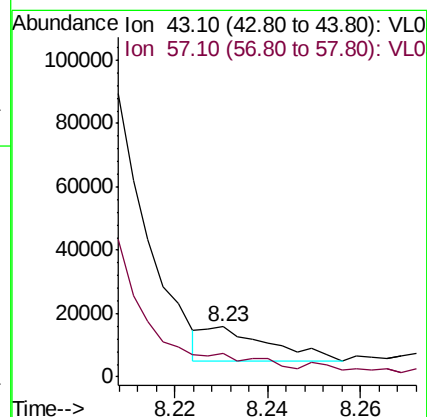
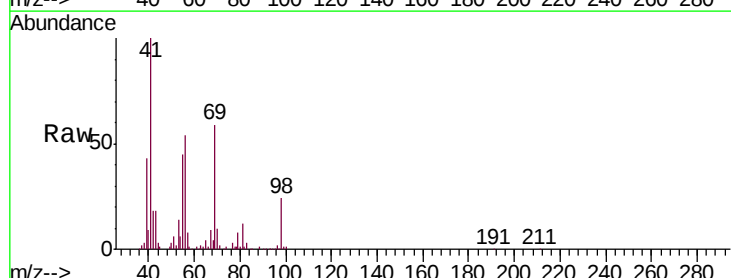
Acq: 10 Sep 2019 13:59

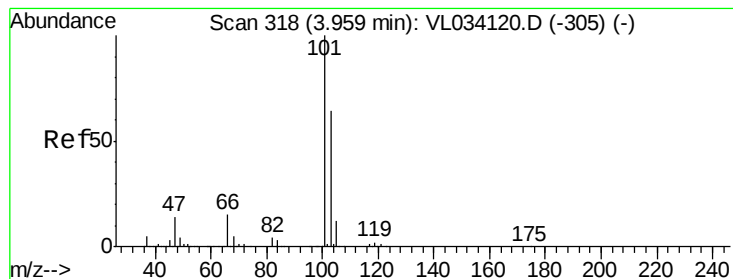
Tgt Ion: 43 Resp: 10241

Ion Ratio Lower Upper

43 100

57 0.0 38.1 57.1#





#11

Trichlorofluoromethane

Concen: 0.289 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

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ClientSampleId :

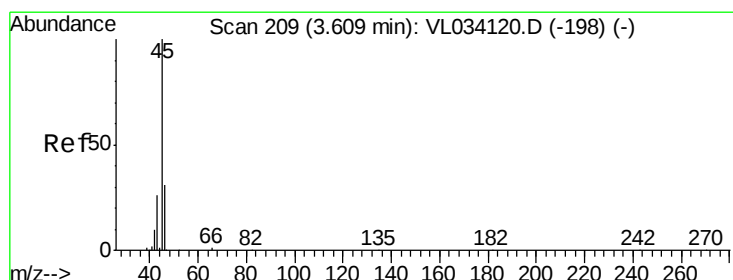
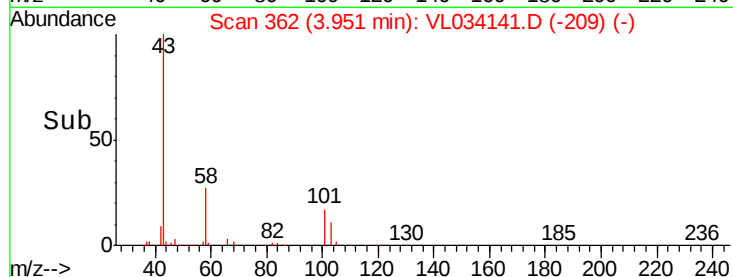
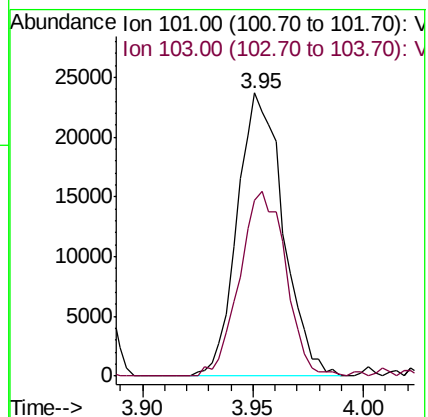
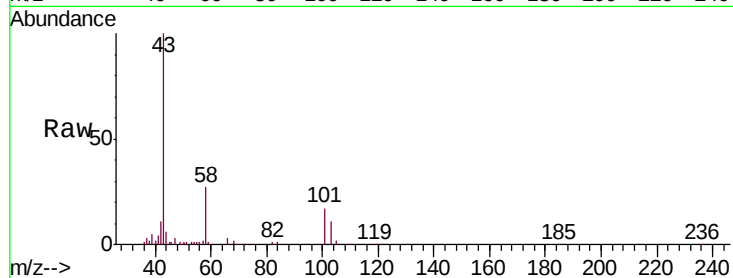
SV5

Tgt Ion: 101 Resp: 34336

Ion Ratio Lower Upper

101 100

103 62.0 51.4 77.2



#13

Ethanol

Concen: 70.128 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL034141.D

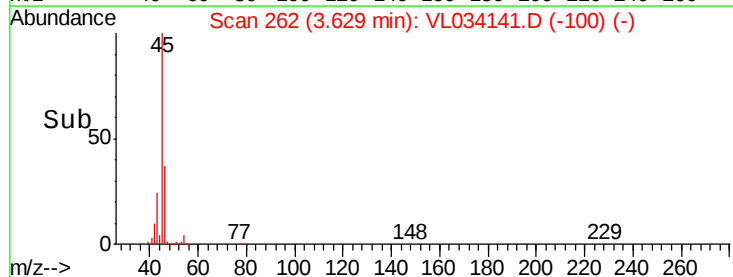
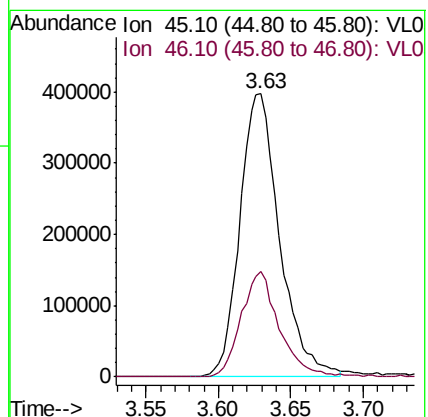
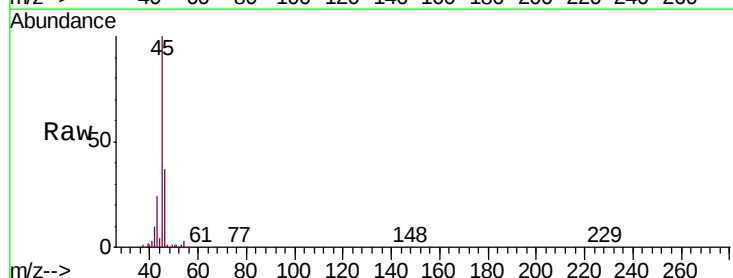
Acq: 10 Sep 2019 13:59

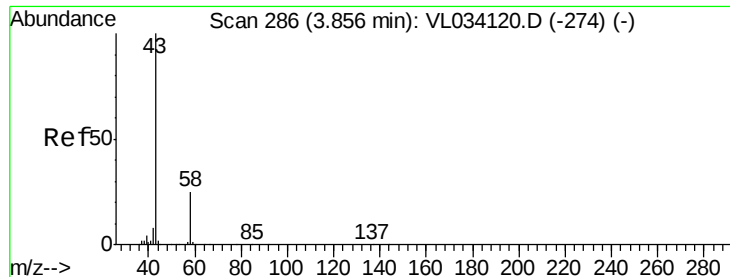
Tgt Ion: 45 Resp: 757310

Ion Ratio Lower Upper

45 100

46 36.3 15.0 60.0





#15

Acetone

Concen: 149.690 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

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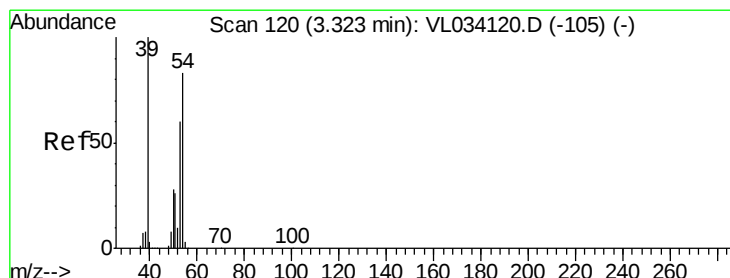
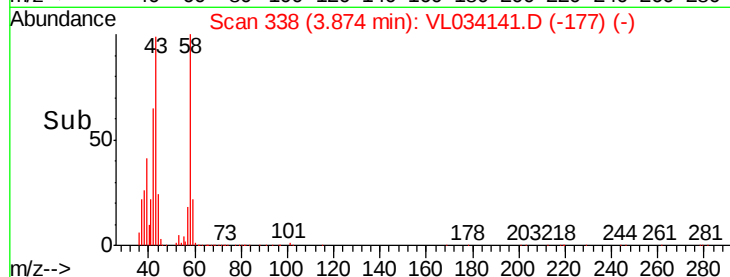
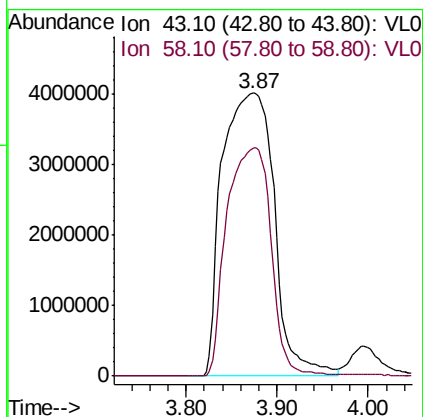
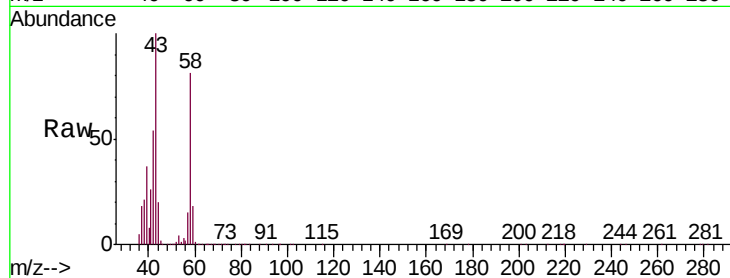
SV5

Tgt Ion: 43 Resp:15945622

Ion Ratio Lower Upper

43 100

58 68.4 20.6 30.8#



#16

1,3-Butadiene

Concen: 6.668 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.03 min

Lab File: VL034141.D

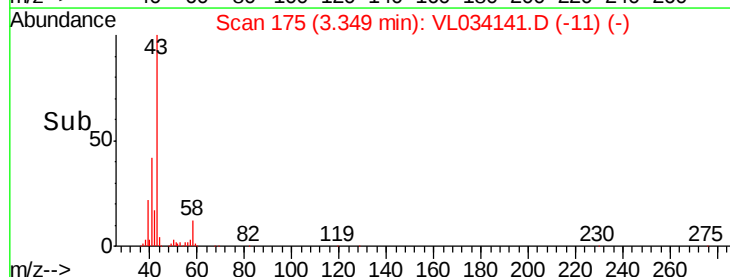
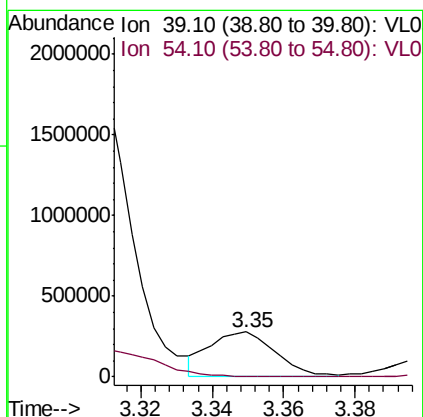
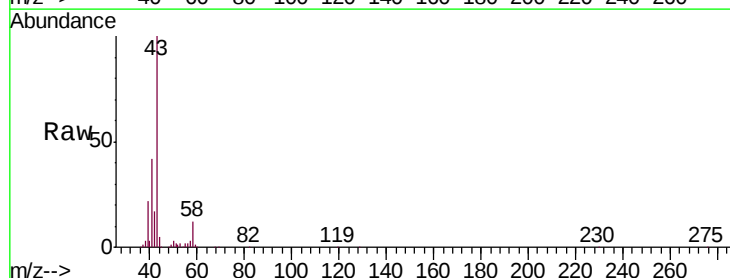
Acq: 10 Sep 2019 13:59

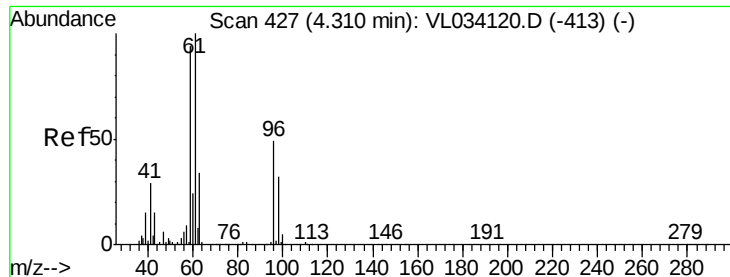
Tgt Ion: 39 Resp: 359704

Ion Ratio Lower Upper

39 100

54 0.0 63.5 95.3#

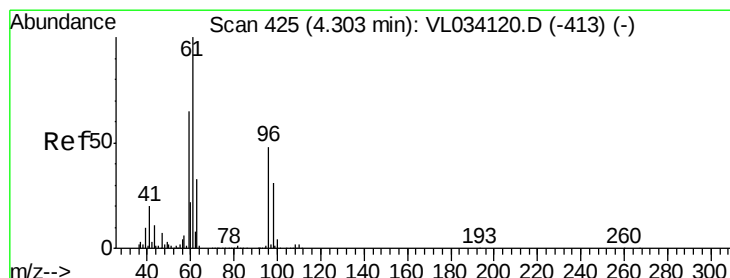
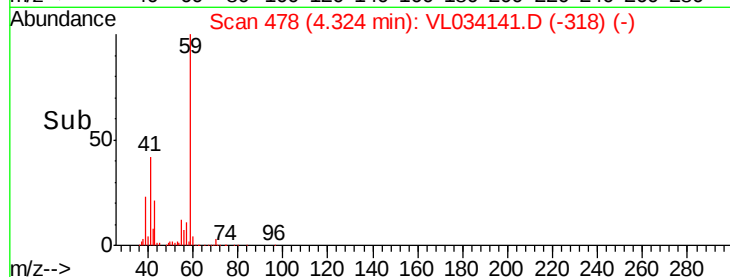
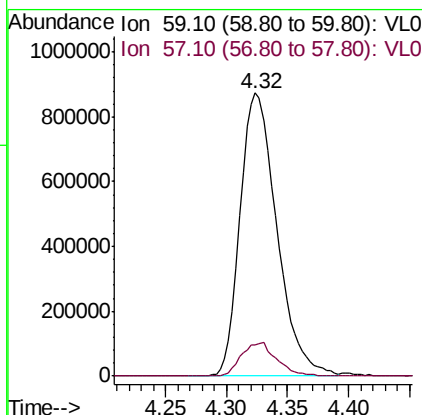
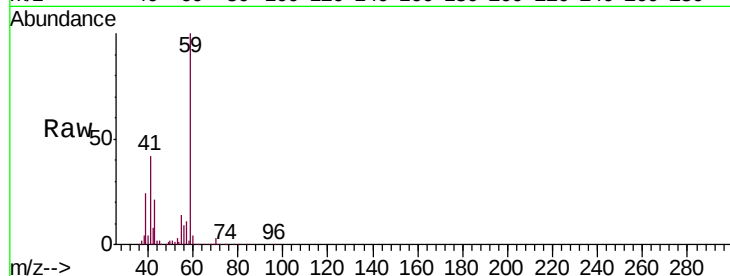




#17
 tert-Butyl alcohol
 Concen: 23.410 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

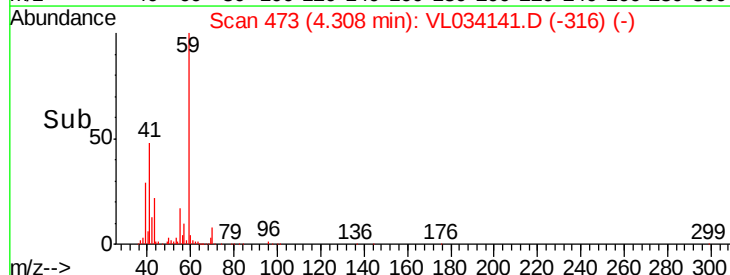
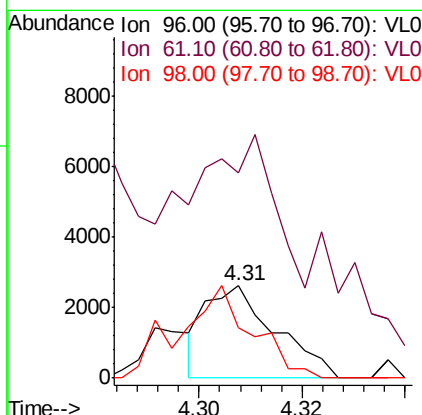
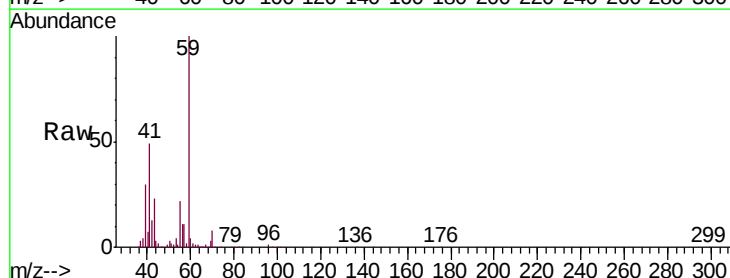
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

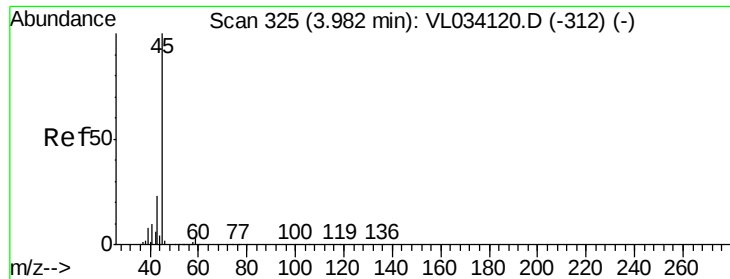
Tgt Ion: 59 Resp: 1810298
 Ion Ratio Lower Upper
 59 100
 57 11.6 8.6 12.8



#18
 1,1-Dichloroethene
 Concen: 0.068 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. 0.00 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Tgt Ion: 96 Resp: 2457
 Ion Ratio Lower Upper
 96 100
 61 131.3 165.8 248.8#
 98 54.8 50.8 76.2





#19

Isopropyl Alcohol

Concen: 39.656 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

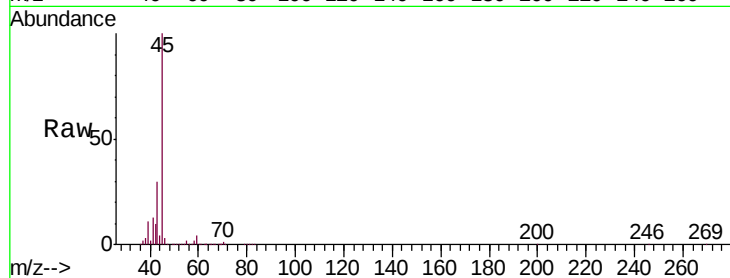
SV5

Tgt Ion: 45 Resp: 2851284

Ion Ratio Lower Upper

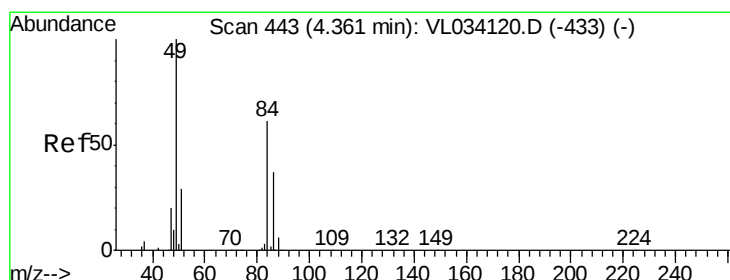
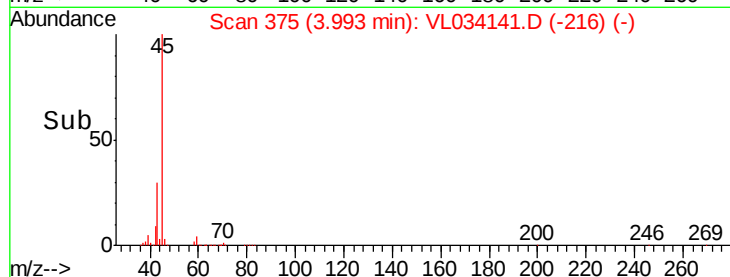
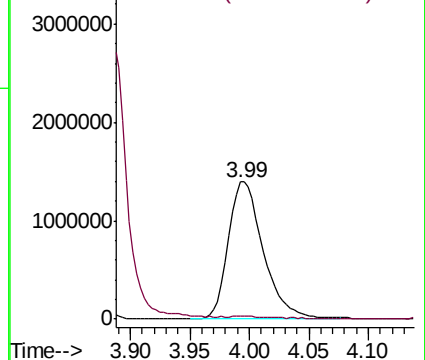
45 100

58 0.0 1.0 1.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.901 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.02 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion: 84 Resp: 66940

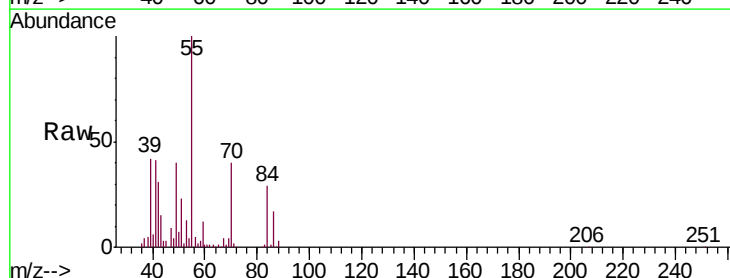
Ion Ratio Lower Upper

84 100

49 130.2 131.0 196.6#

51 68.2 38.1 57.1#

86 58.9 49.0 73.6

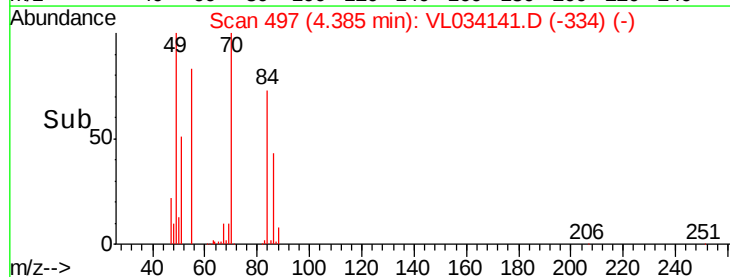
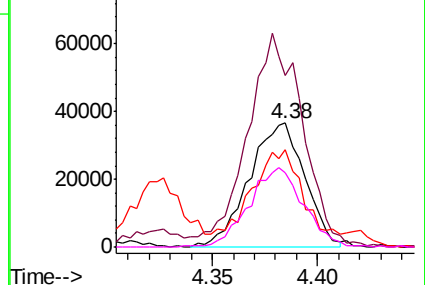


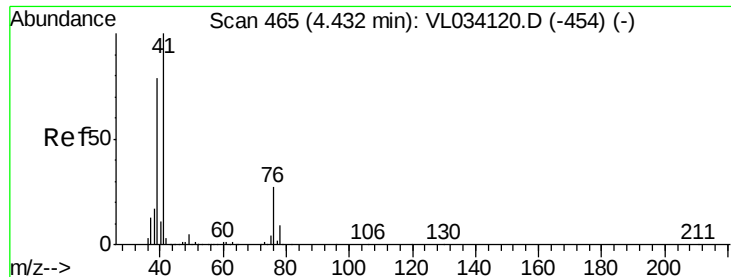
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

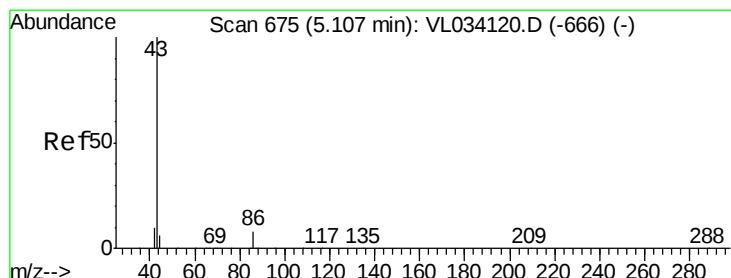
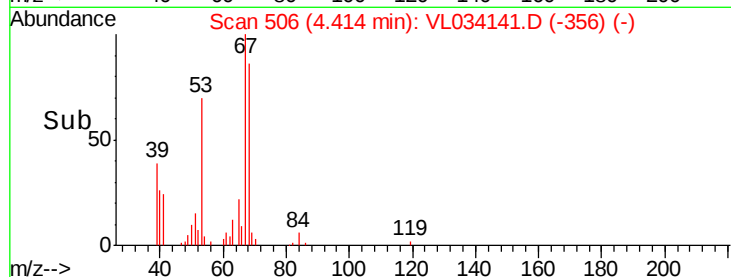
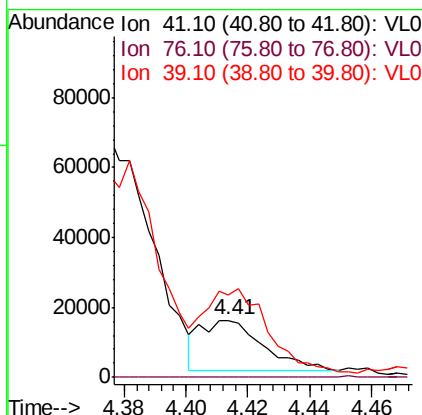
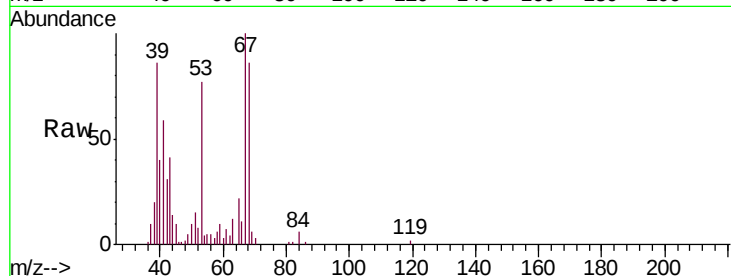




#21
 Allyl Chloride
 Concen: 0.286 ppbv
 RT: 4.41 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

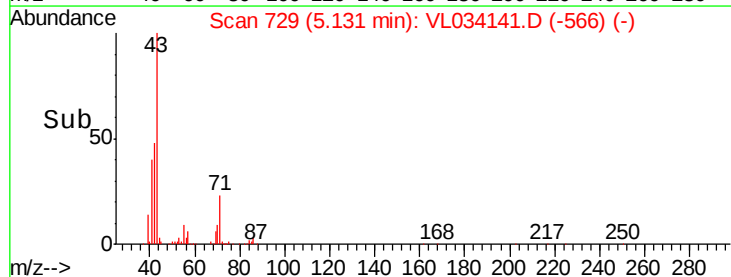
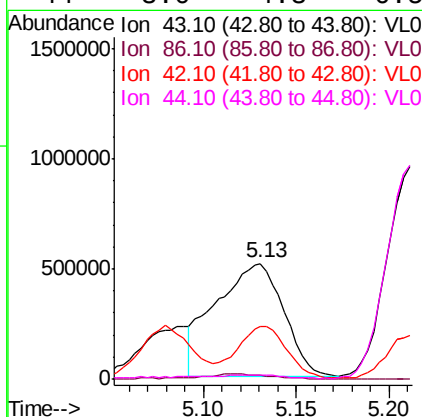
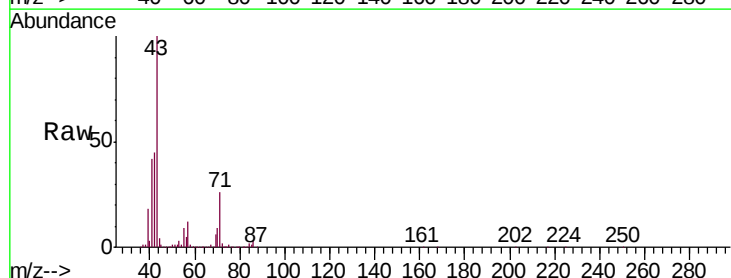
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

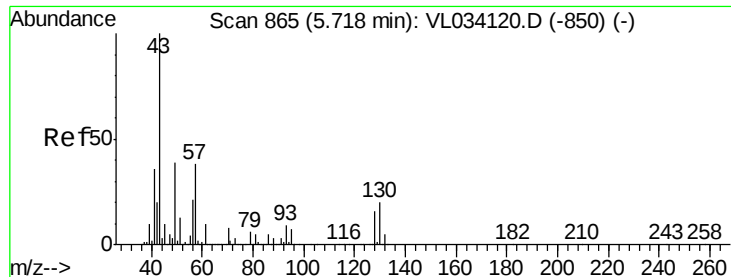
Tgt Ion: 41 Resp: 20091
 Ion Ratio Lower Upper
 41 100
 76 0.0 21.6 32.4#
 39 0.0 65.0 97.4#



#23
 Vinyl Acetate
 Concen: 7.182 ppbv
 RT: 5.13 min Scan# 729
 Delta R.T. 0.02 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Tgt Ion: 43 Resp: 1297946
 Ion Ratio Lower Upper
 43 100
 86 2.9 5.5 8.3#
 42 45.4 8.2 12.4#
 44 3.0 4.3 6.5#

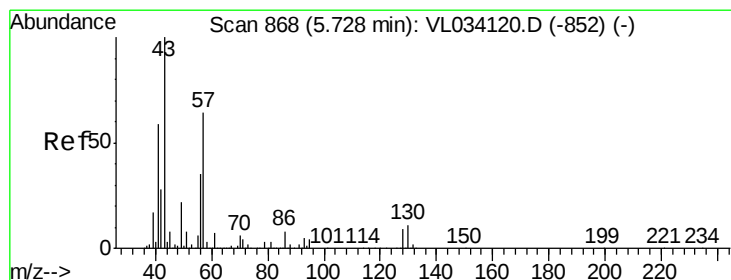
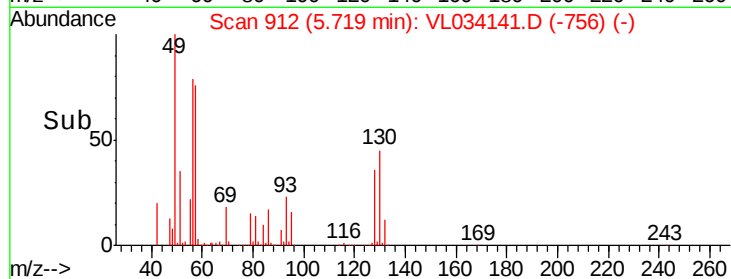
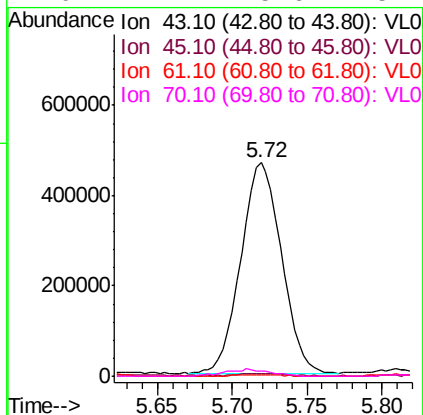
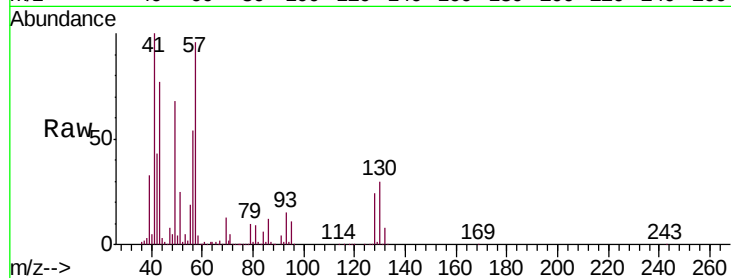




#25
Ethyl Acetate
Concen: 3.770 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

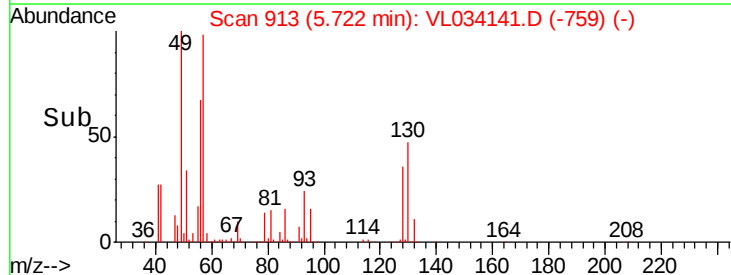
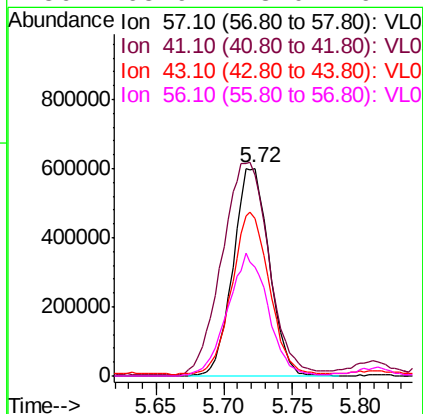
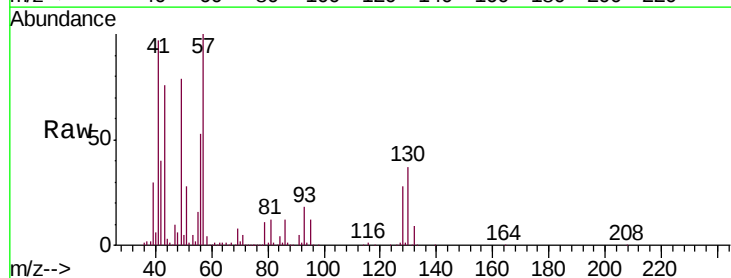
Instrument :
MSVOA_L
ClientSampleId :
SV5

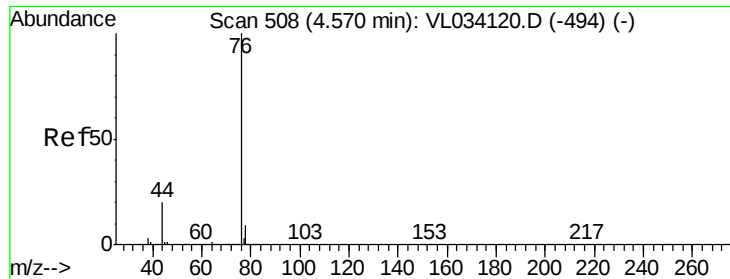
Tgt Ion:	43	Resp:	881537
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	1.1	7.4	11.2#
70	4.1	5.6	8.4#



#26
Hexane
Concen: 10.593 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion:	57	Resp:	1101233
Ion	Ratio	Lower	Upper
57	100		
41	133.4	76.6	115.0#
43	80.8	189.2	283.8#
56	65.9	43.0	64.4#





#27

Carbon Disulfide

Concen: 11.425 ppbv

RT: 4.56 min Scan# 553

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

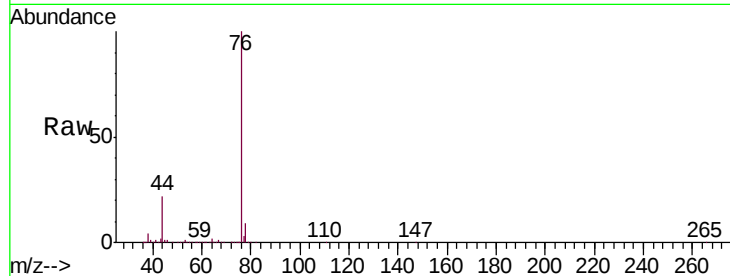
Tgt Ion: 76 Resp: 1071922

Ion Ratio Lower Upper

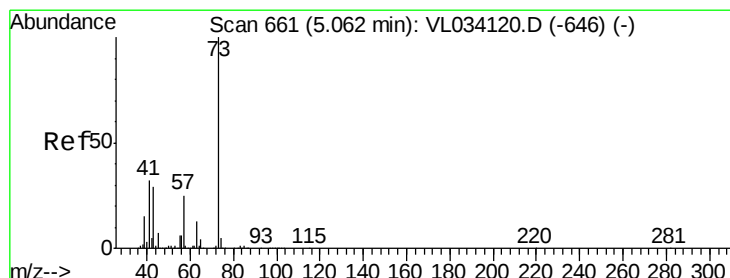
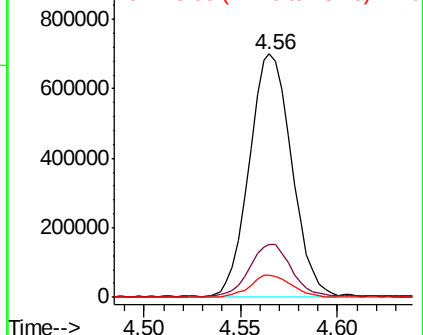
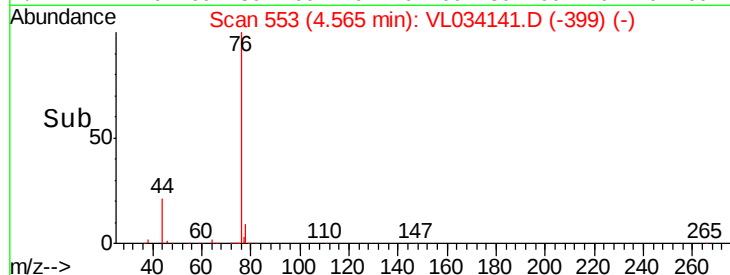
76 100

44 22.4 17.6 26.4

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.005 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.01 min

Lab File: VL034141.D

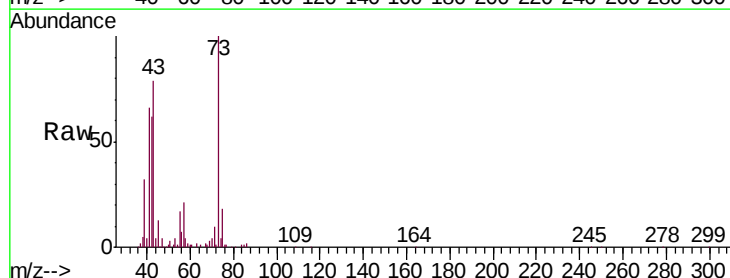
Acq: 10 Sep 2019 13:59

Tgt Ion: 73 Resp: 153105

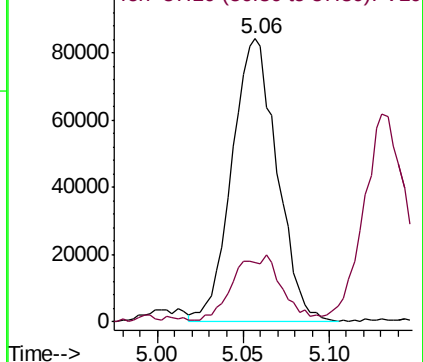
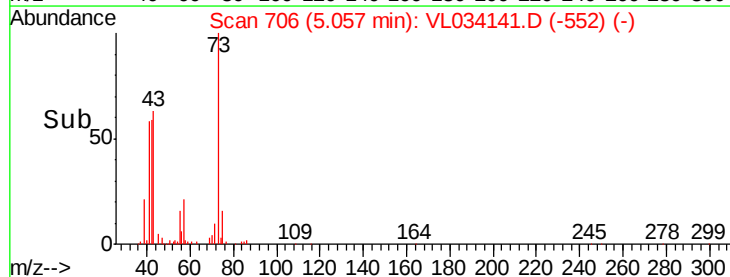
Ion Ratio Lower Upper

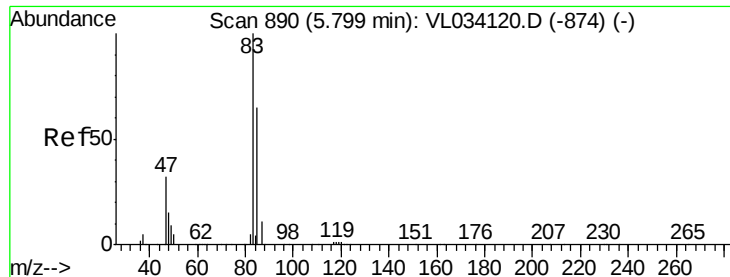
73 100

57 23.1 19.8 29.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 2.188 ppbv

RT: 5.81 min Scan# 941

Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampled :

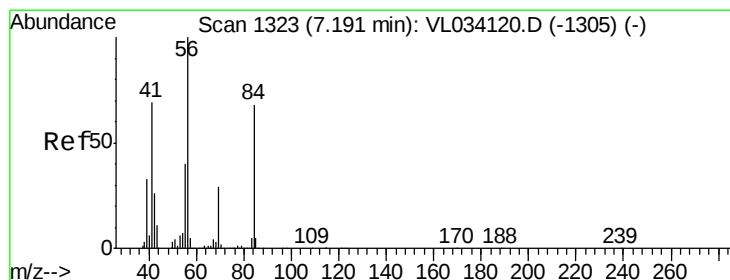
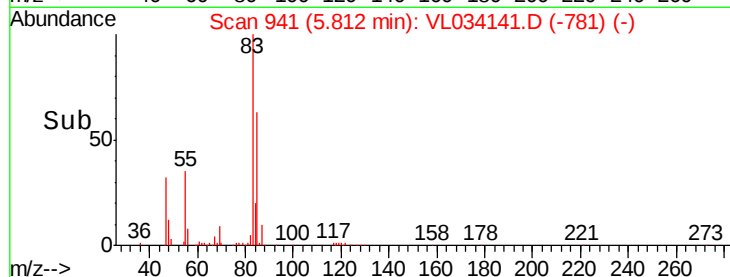
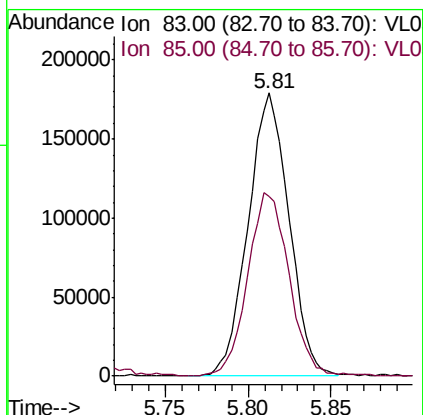
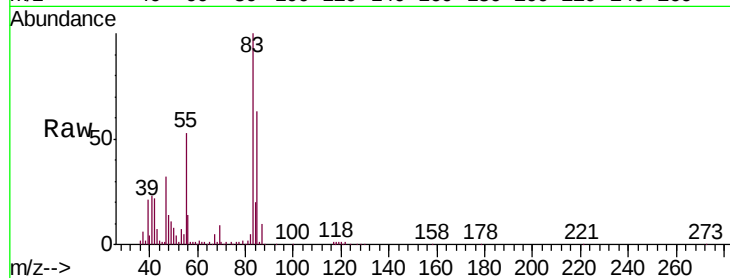
SV5

Tgt Ion: 83 Resp: 306753

Ion Ratio Lower Upper

83 100

85 63.2 51.8 77.6



#30

Cyclohexane

Concen: 3.190 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

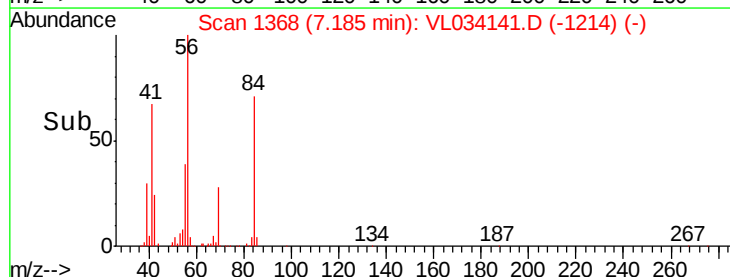
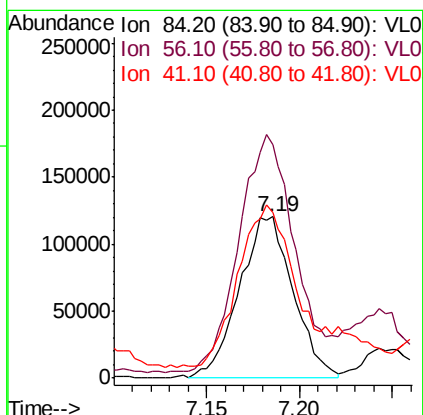
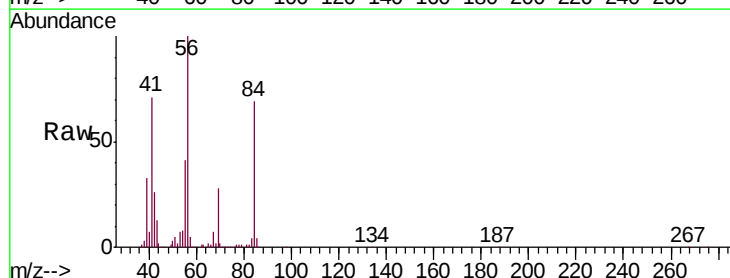
Tgt Ion: 84 Resp: 239756

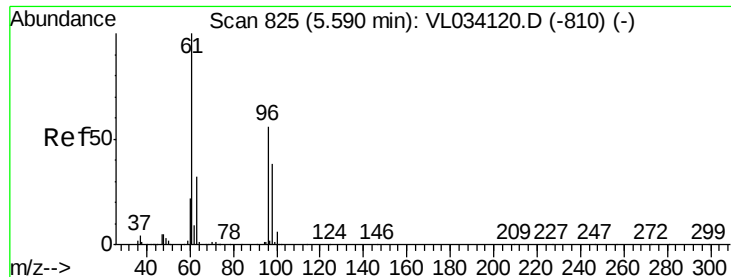
Ion Ratio Lower Upper

84 100

56 154.7 122.6 183.8

41 140.0 79.1 118.7#



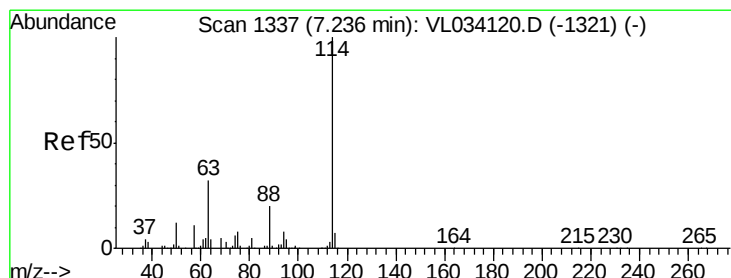
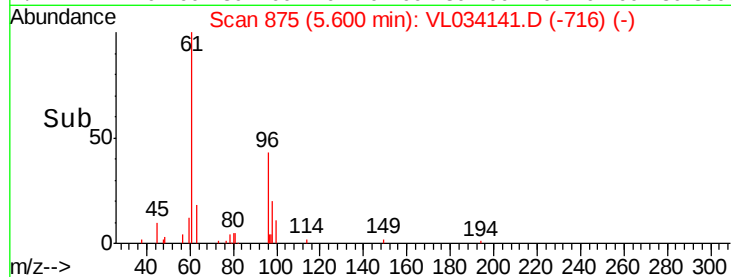
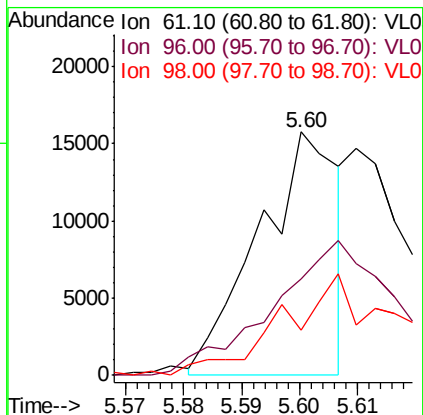
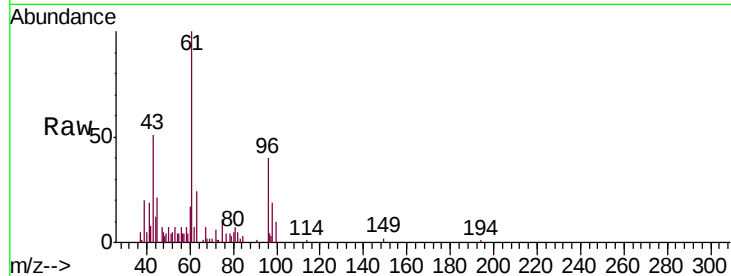


#31

cis-1,2-Dichloroethene
Concen: 0.151 ppbv
RT: 5.60 min Scan# 875
Delta R.T. 0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Instrument :
MSVOA_L
ClientSampleId :
SV5

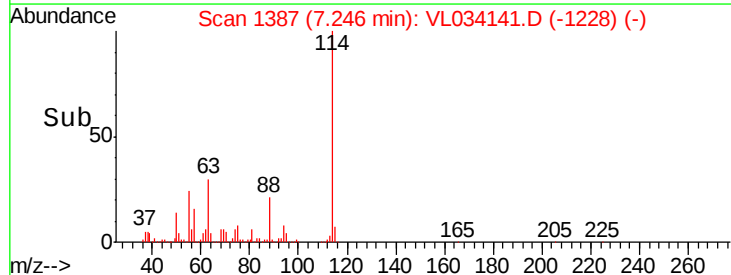
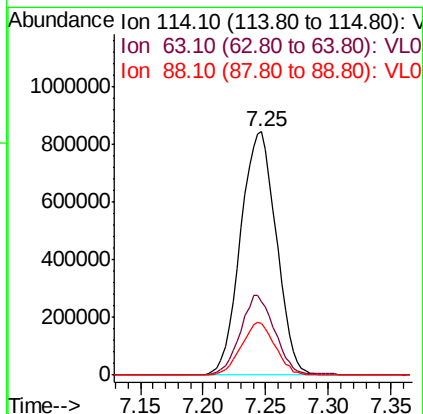
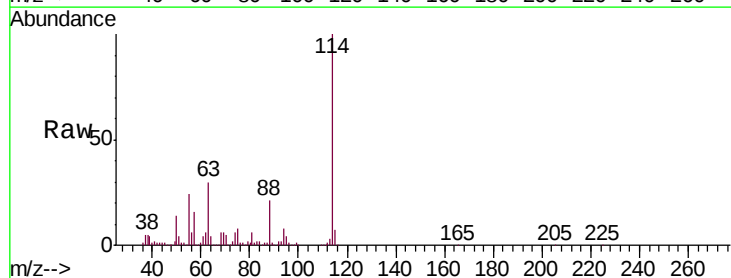
Tgt Ion	Ratio	Lower	Upper
61	100		
96	33.3	44.4	66.6#
98	14.3	30.0	45.0#

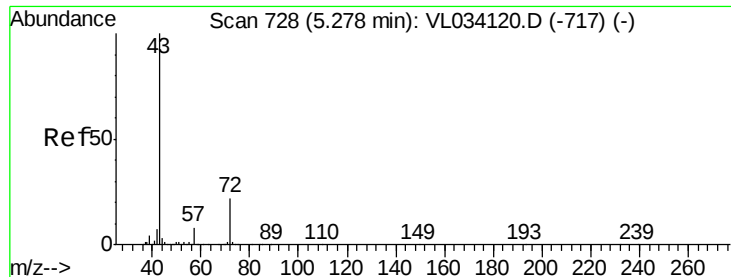


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	32.2	25.5	38.3
88	20.7	16.8	25.2

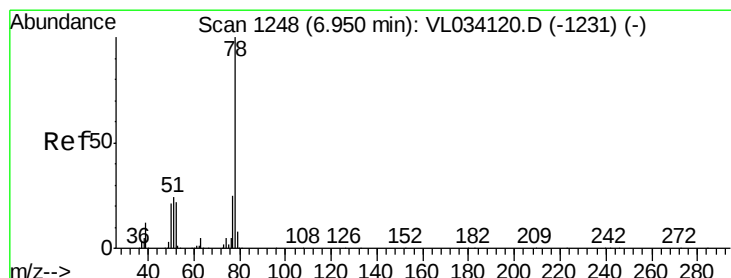
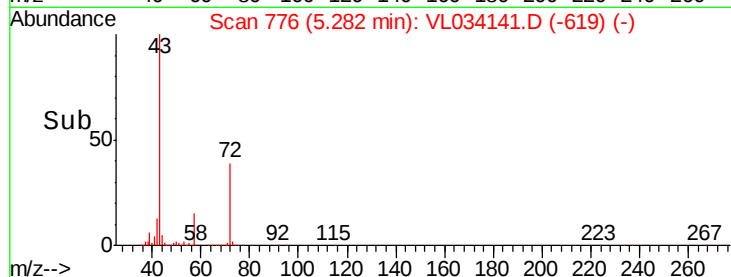
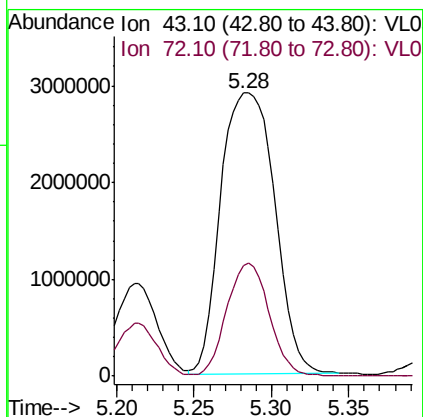
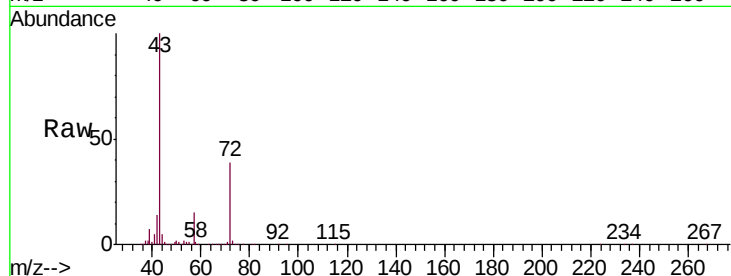




#34
2-Butanone
Concen: 43.759 ppbv
RT: 5.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

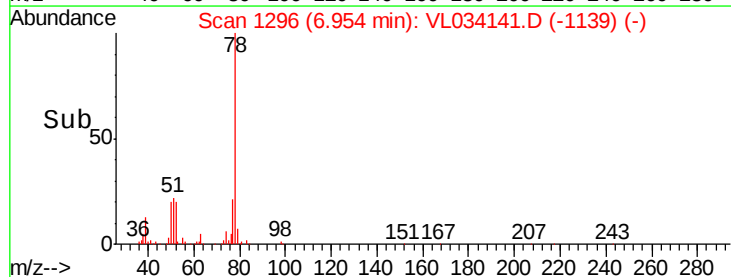
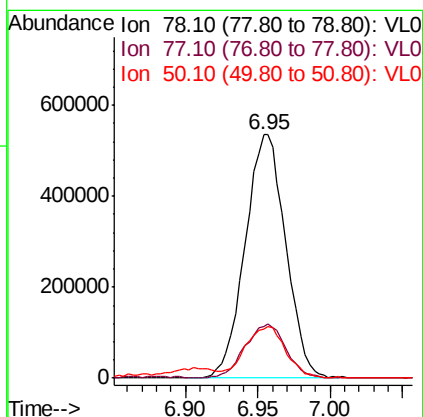
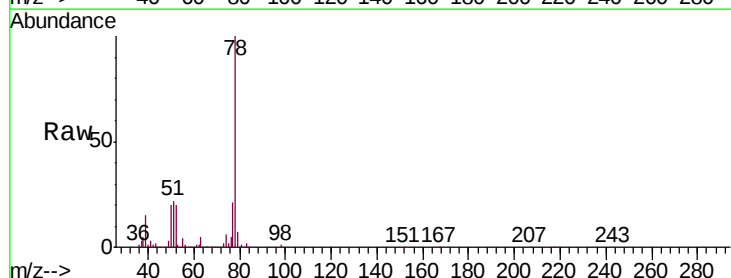
Instrument :
MSVOA_L
ClientSampled :
SV5

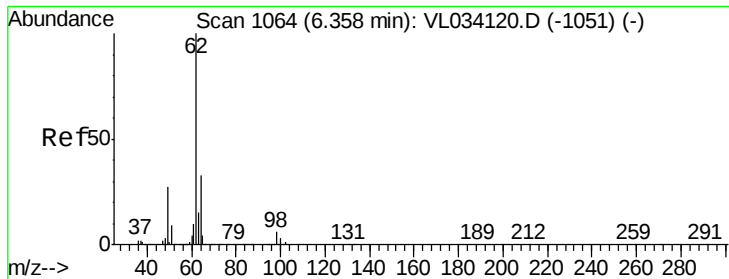
Tgt Ion: 43 Resp: 7045361
Ion Ratio Lower Upper
43 100
72 31.7 16.5 24.7#



#36
Benzene
Concen: 5.446 ppbv
RT: 6.95 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion: 78 Resp: 1042491
Ion Ratio Lower Upper
78 100
77 21.0 20.3 30.5
50 19.7 16.9 25.3

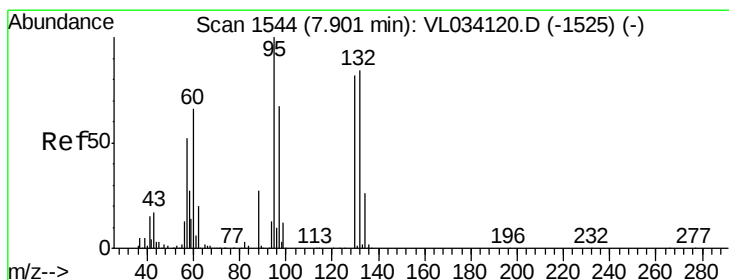
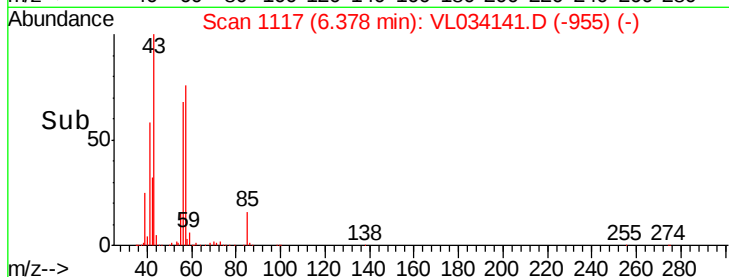
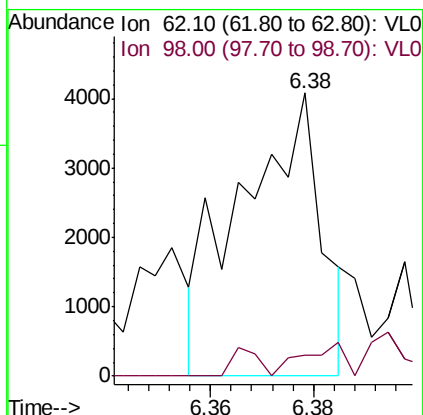
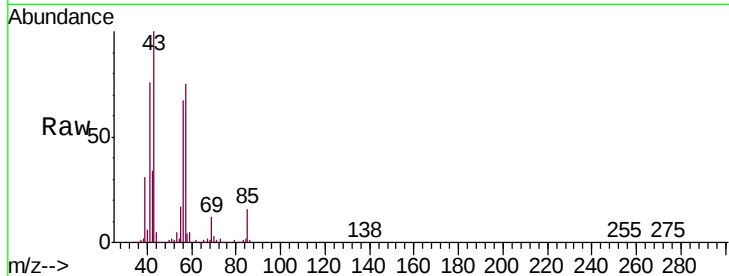




#37
 1,2-Dichloroethane
 Concen: 0.038 ppbv
 RT: 6.38 min Scan# 1117
 Delta R.T. 0.02 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

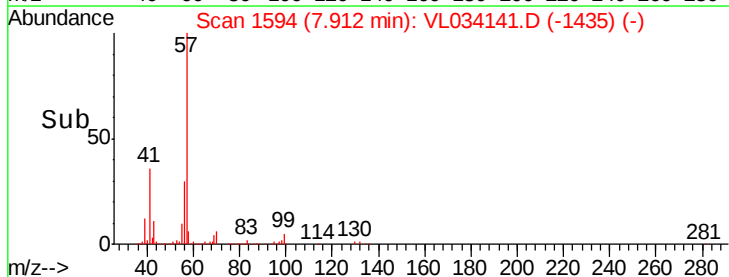
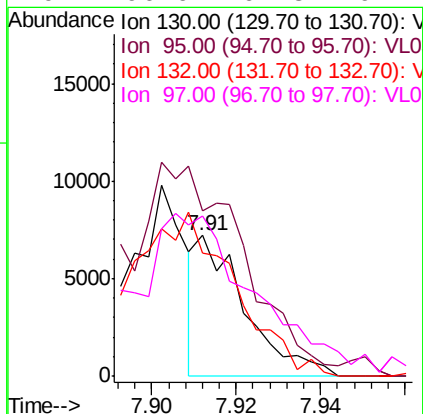
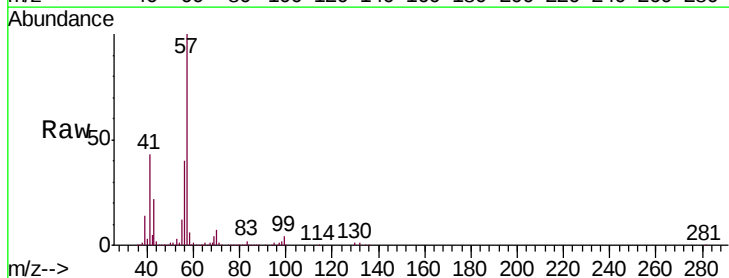
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

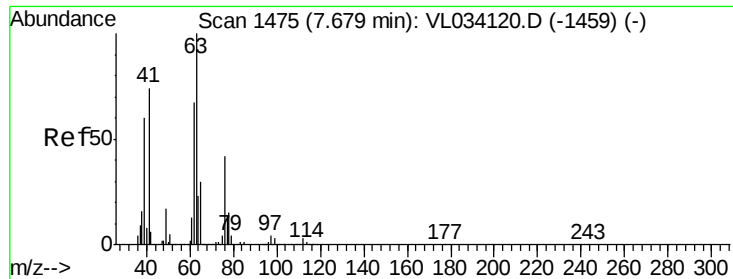
Tgt Ion: 62 Resp: 4429
 Ion Ratio Lower Upper
 62 100
 98 9.1 4.4 6.6#



#38
 Trichloroethene
 Concen: 0.080 ppbv
 RT: 7.91 min Scan# 1594
 Delta R.T. 0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Tgt Ion: 130 Resp: 5691
 Ion Ratio Lower Upper
 130 100
 95 110.4 97.2 145.8
 132 87.6 81.4 122.2
 97 96.6 64.8 97.2





#39

1,2-Dichloropropane

Concen: 6.378 ppbv

RT: 7.24 min Scan# 1385

Delta R.T. -0.44 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

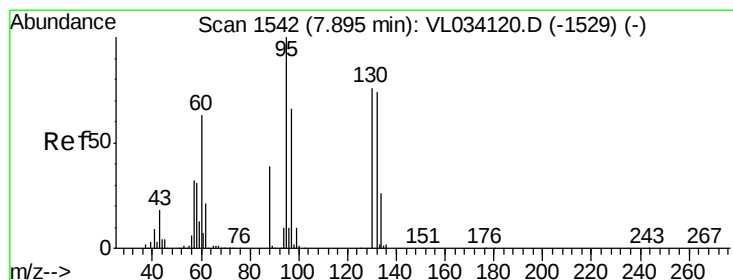
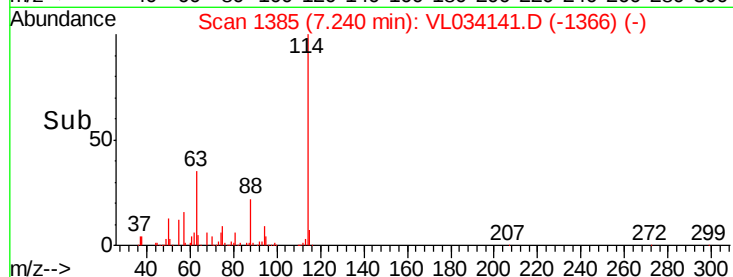
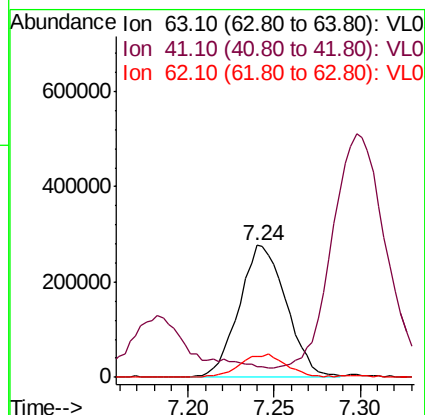
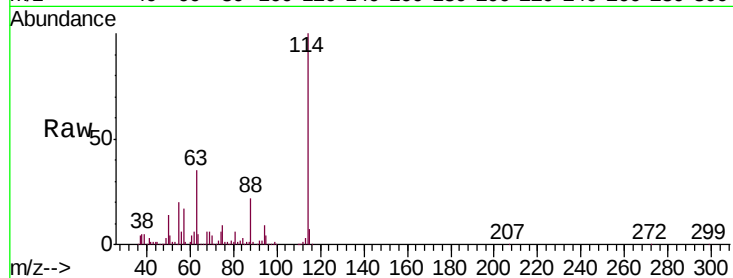
Tgt Ion: 63 Resp: 522483

Ion Ratio Lower Upper

63 100

41 0.0 59.3 88.9#

62 16.3 53.8 80.6#



#40

1,4-Dioxane

Concen: 0.053 ppbv

RT: 7.91 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Tgt Ion: 88 Resp: 1599

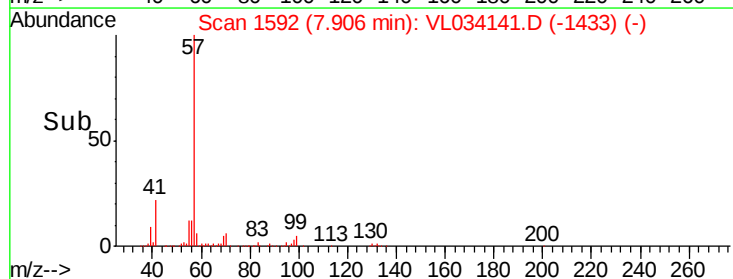
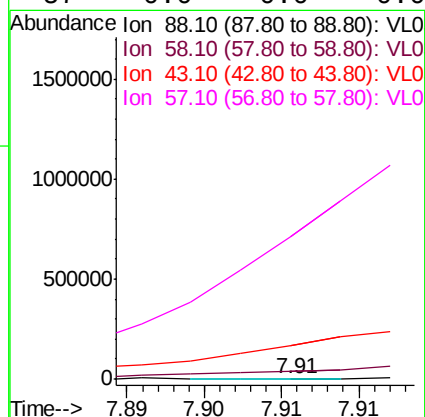
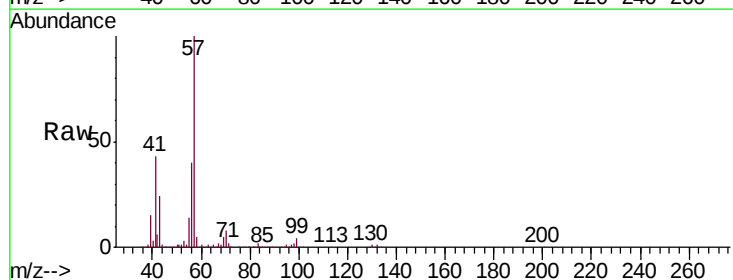
Ion Ratio Lower Upper

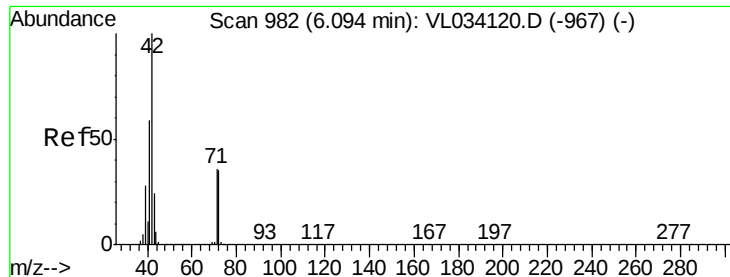
88 100

58 0.0 121.7 182.5#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.102 ppbv

RT: 6.15 min Scan# 1047

Delta R.T. 0.06 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

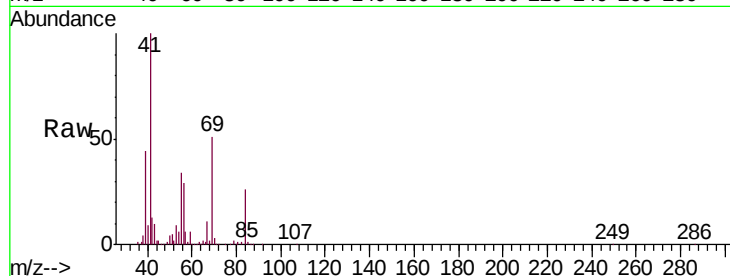
Tgt Ion: 42 Resp: 9820

Ion Ratio Lower Upper

42 100

72 47.8 27.7 41.5#

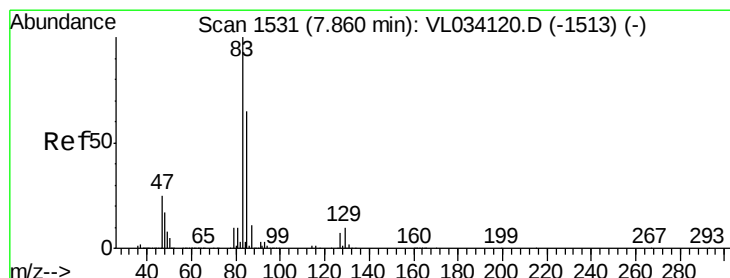
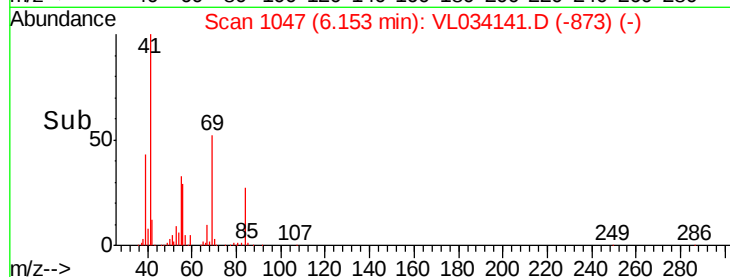
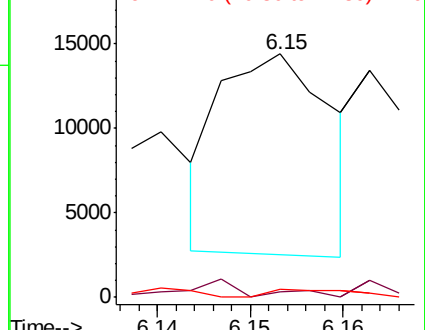
71 45.7 26.7 40.1#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.695 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

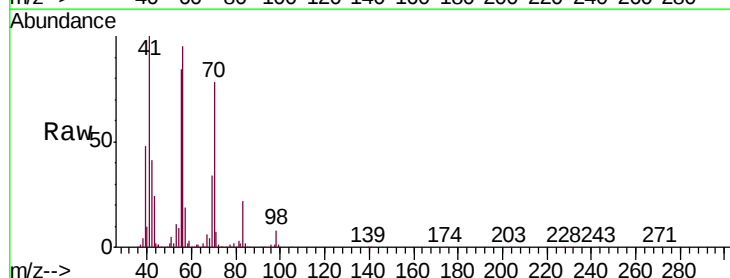
Tgt Ion: 83 Resp: 106441

Ion Ratio Lower Upper

83 100

85 1.3 51.6 77.4#

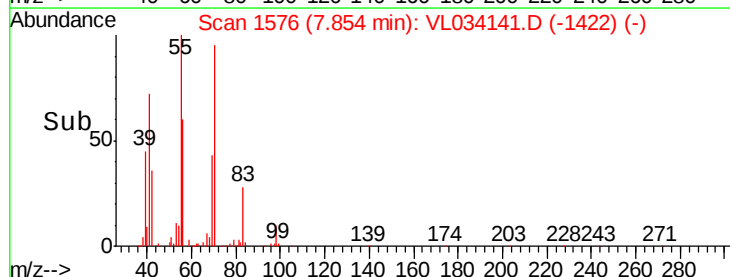
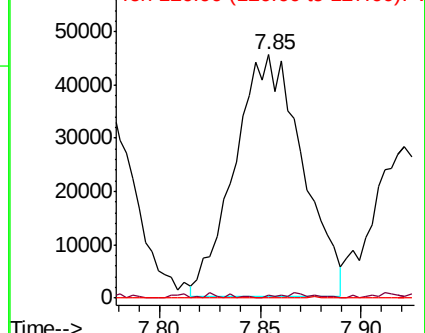
127 0.0 5.4 8.0#

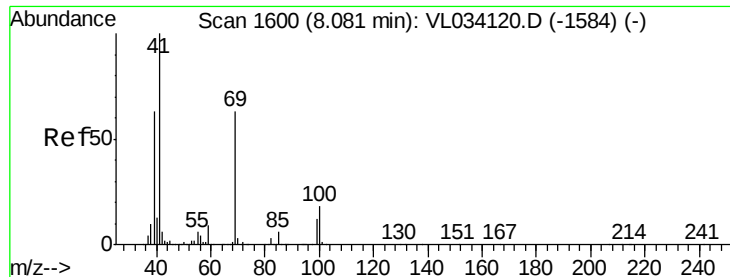


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 1.512 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.03 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleID :

SV5

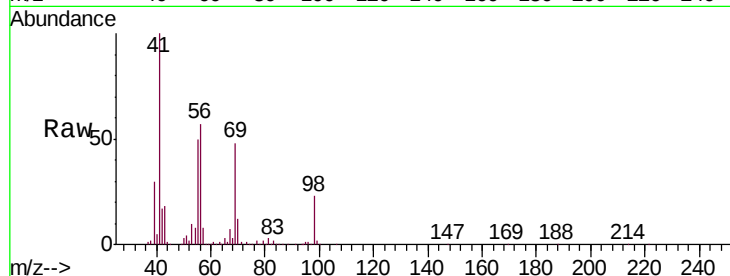
Tgt Ion: 69 Resp: 119246

Ion Ratio Lower Upper

69 100

41 0.0 131.0 196.6#

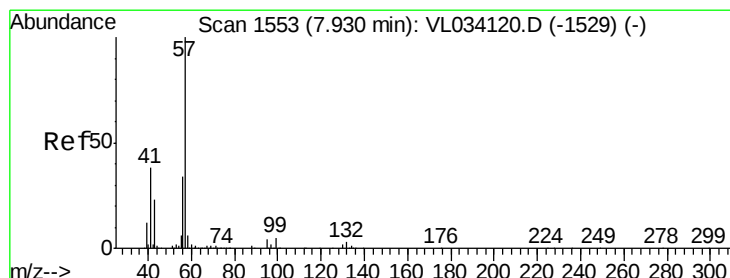
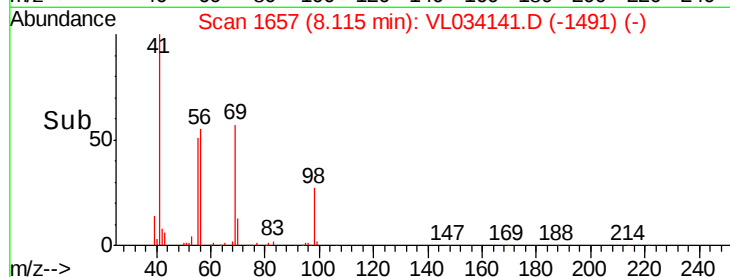
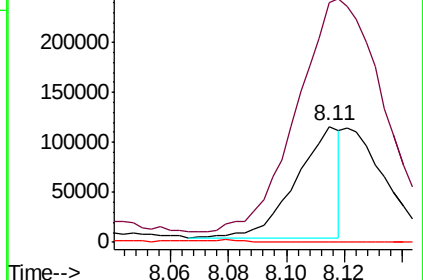
100 3.2 22.6 33.8#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.914 ppbv

RT: 7.93 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

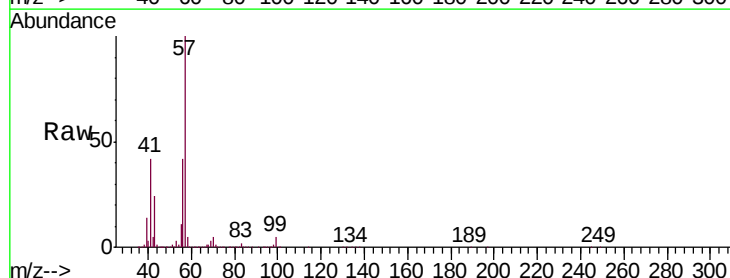
Tgt Ion: 57 Resp: 3851902

Ion Ratio Lower Upper

57 100

41 39.3 28.4 42.6

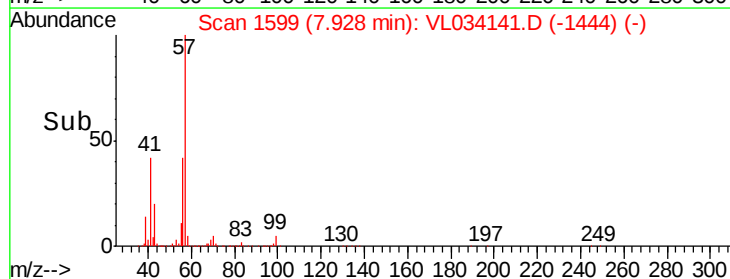
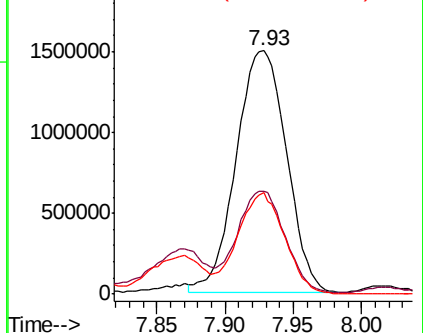
56 38.0 26.3 39.5

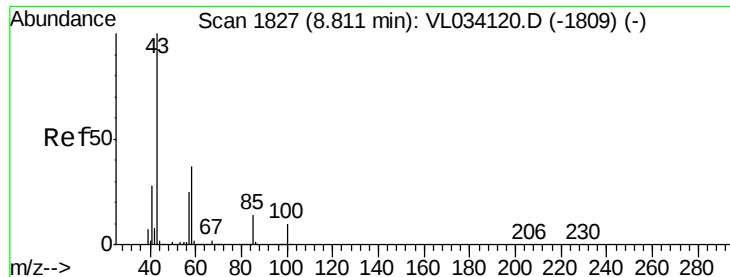


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

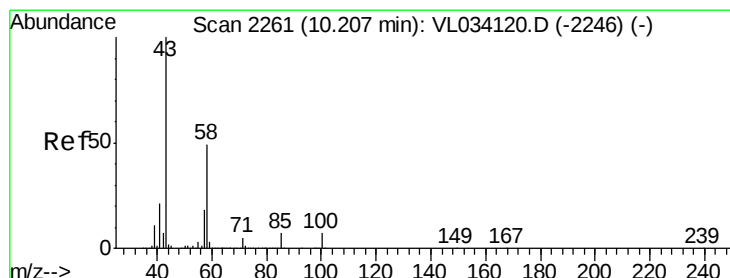
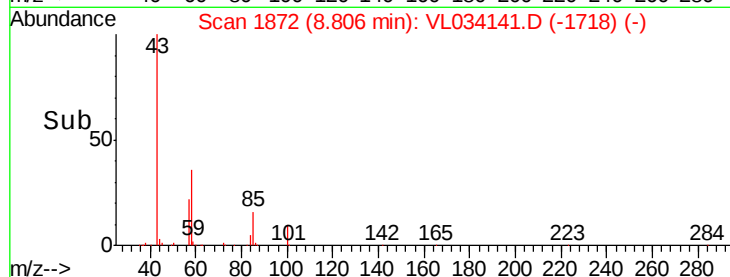
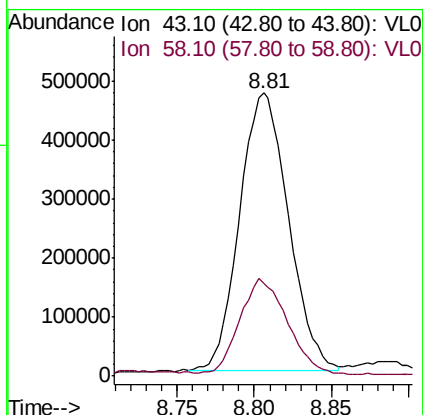
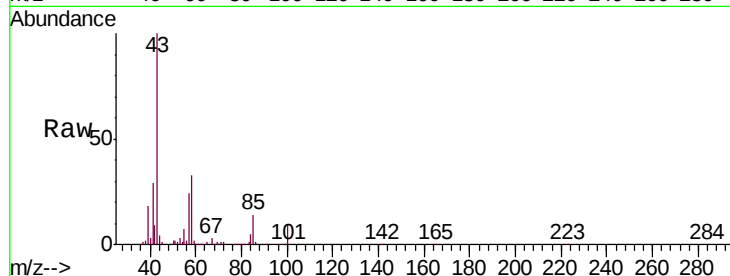




#50
 4-Methyl-2-Pentanone
 Concen: 4.180 ppbv
 RT: 8.81 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

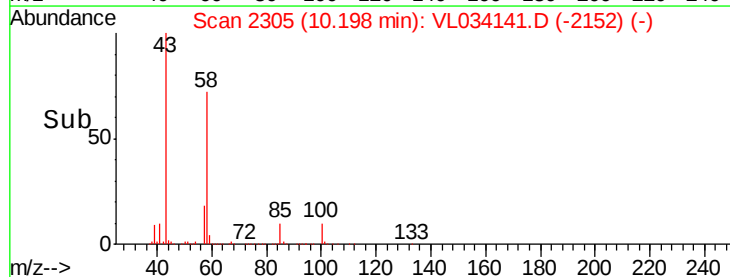
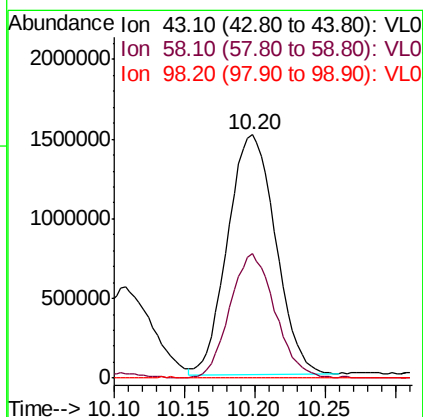
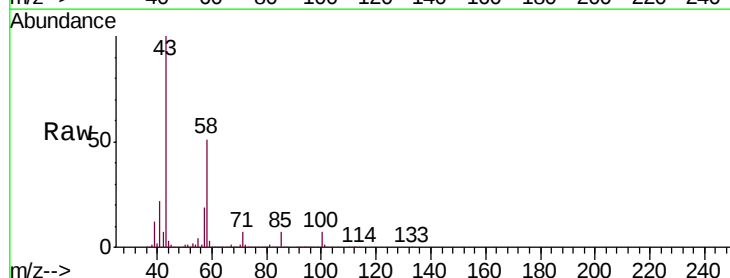
Instrument :
 MSVOA_L
 ClientSampled :
 SV5

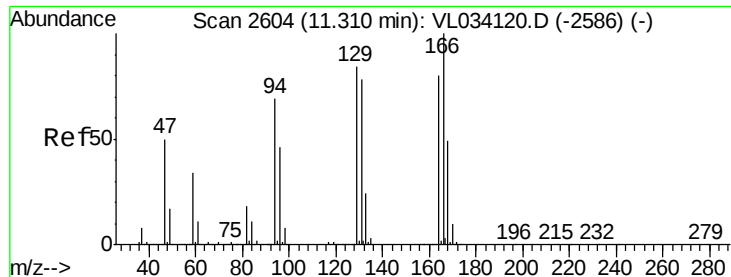
Tgt Ion: 43 Resp: 1026951
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.5 42.7



#51
 2-Hexanone
 Concen: 16.854 ppbv
 RT: 10.20 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Tgt Ion: 43 Resp: 3577094
 Ion Ratio Lower Upper
 43 100
 58 48.7 38.2 57.2
 98 0.1 0.1 0.1#





#52

Tetrachloroethene

Concen: 19.644 ppbv

RT: 11.31 min Scan# 2651

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tgt Ion:164 Resp: 1325980

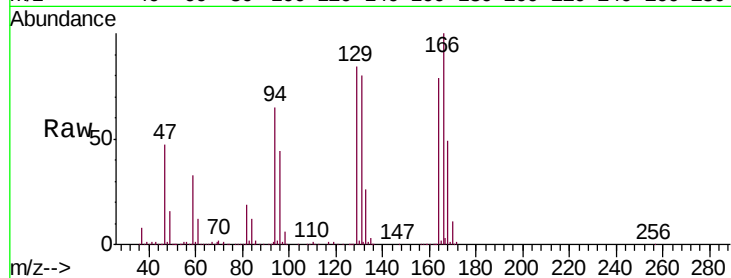
Ion Ratio Lower Upper

164 100

166 126.5 99.5 149.3

129 106.6 83.6 125.4

131 101.3 77.9 116.9

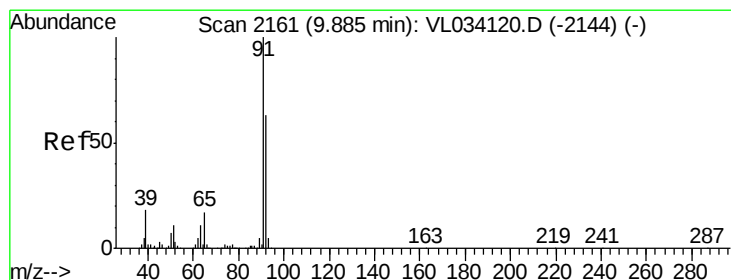
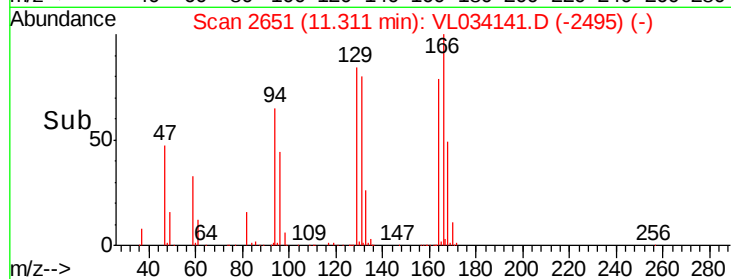
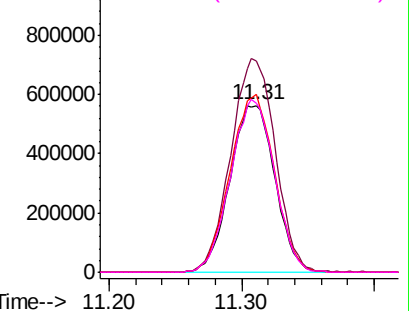


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 15.804 ppbv

RT: 9.88 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VL034141.D

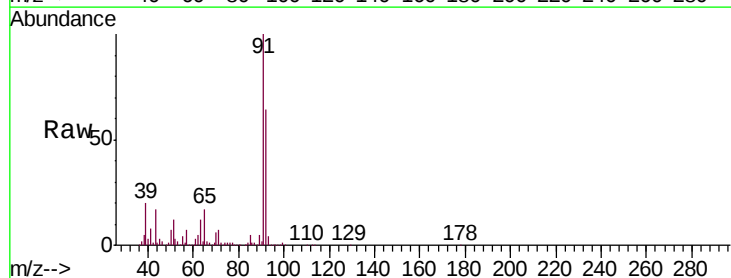
Acq: 10 Sep 2019 13:59

Tgt Ion: 91 Resp: 3345978

Ion Ratio Lower Upper

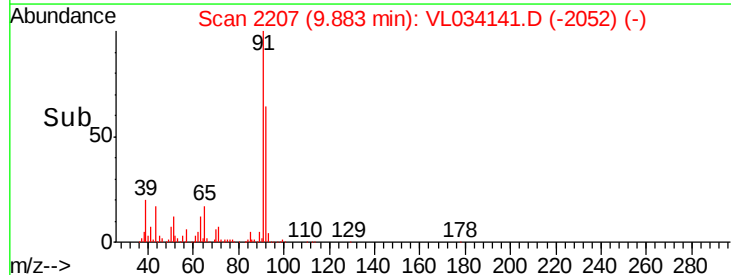
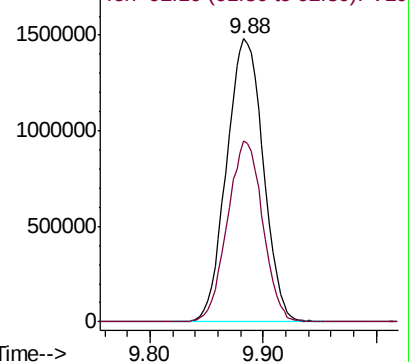
91 100

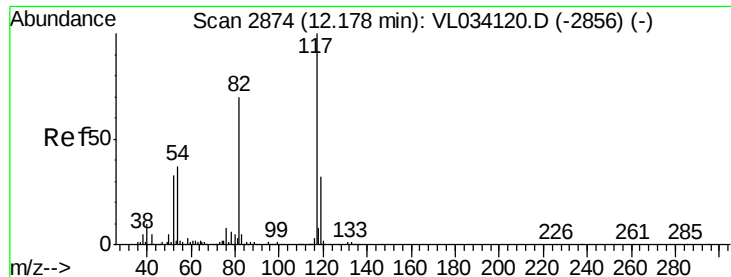
92 61.6 49.3 73.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

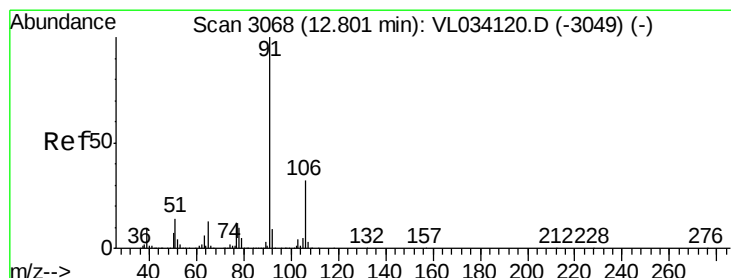
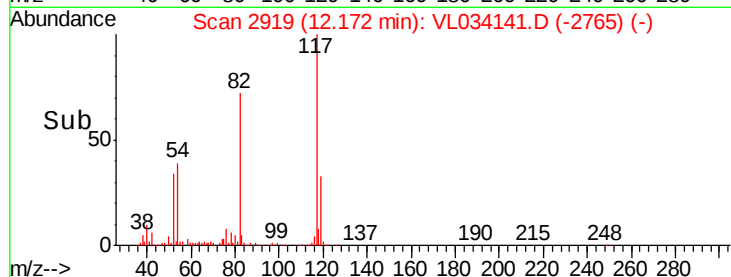
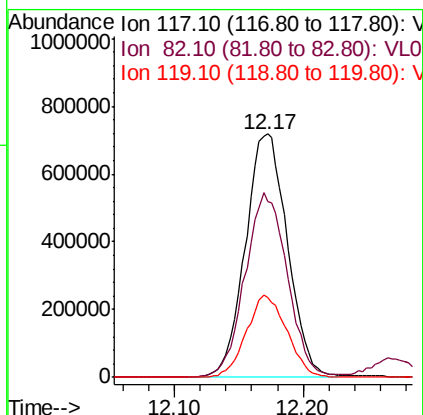
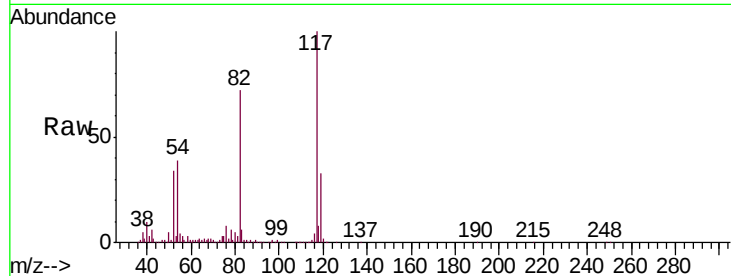




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

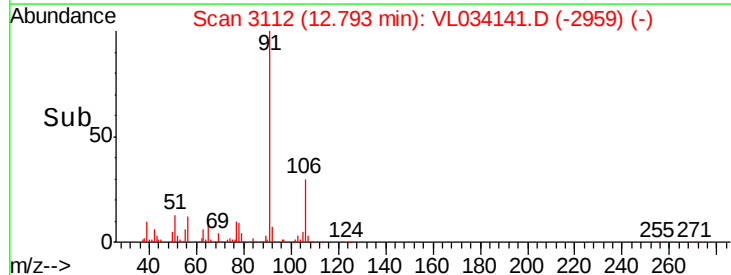
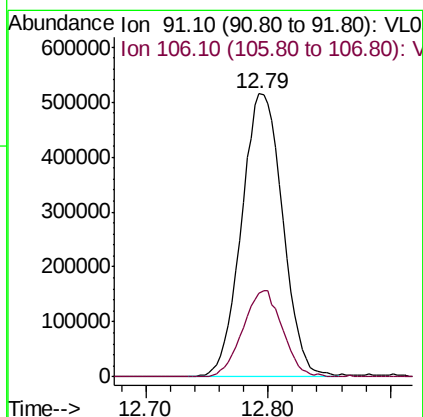
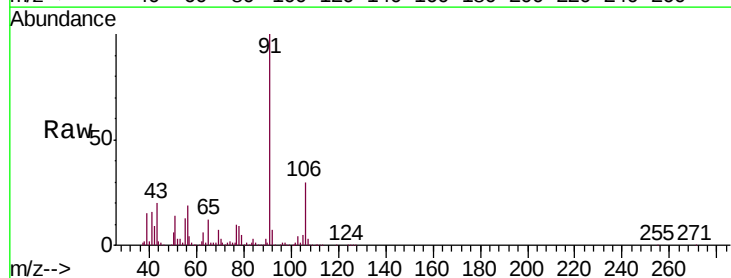
Instrument :
MSVOA_L
ClientSampleId :
SV5

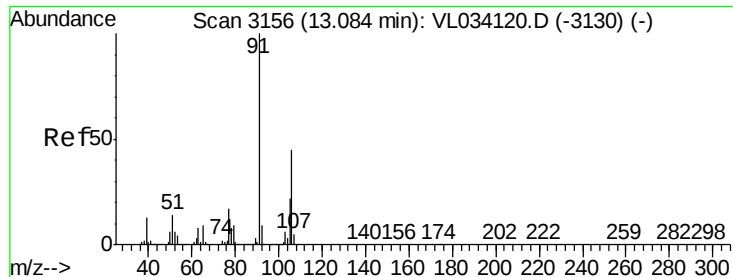
Tgt Ion: 117 Resp: 1631017
Ion Ratio Lower Upper
117 100
82 76.2 55.8 83.6
119 32.8 43.1 64.7#



#58
Ethyl Benzene
Concen: 4.482 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion: 91 Resp: 1198698
Ion Ratio Lower Upper
91 100
106 29.5 25.3 37.9

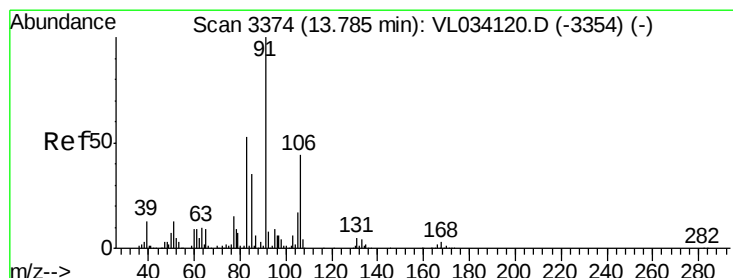
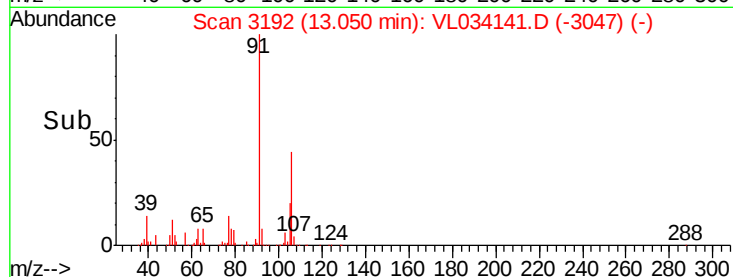
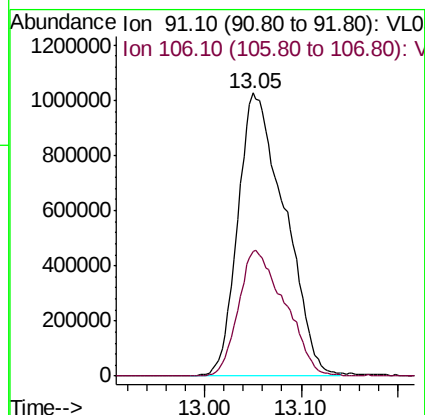
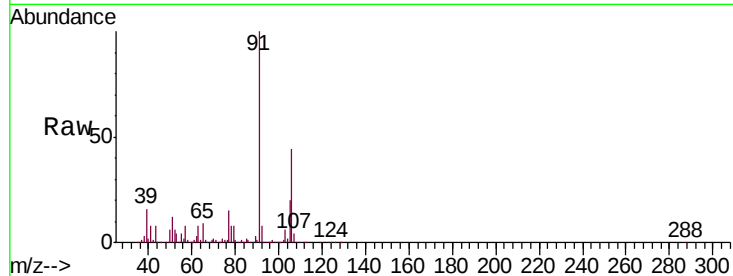




#59
m/p-Xylene
Concen: 15.756 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.03 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

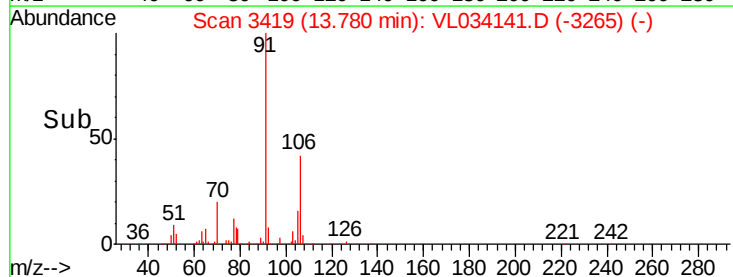
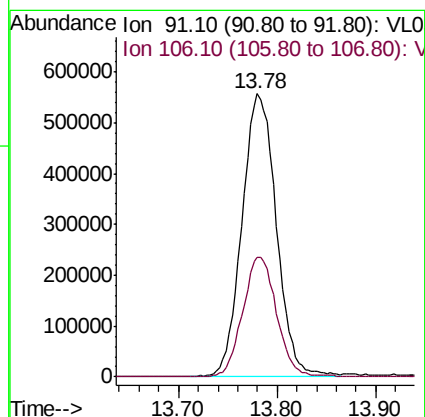
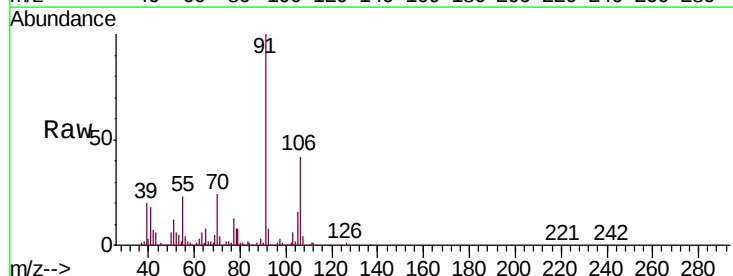
Instrument :
MSVOA_L
ClientSampleId :
SV5

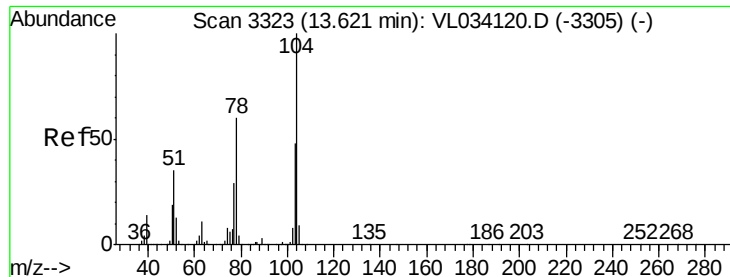
Tgt Ion: 91 Resp: 3437457
Ion Ratio Lower Upper
91 100
106 44.6 35.4 53.2



#60
o-Xylene
Concen: 6.177 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. -0.01 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion: 91 Resp: 1342307
Ion Ratio Lower Upper
91 100
106 42.1 21.4 64.3





#61

Styrene

Concen: 0.249 ppbv

RT: 13.61 min Scan# 3367

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

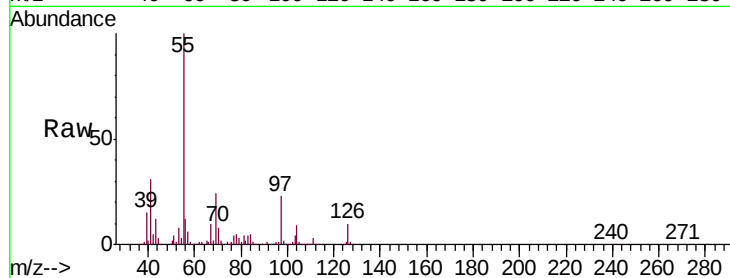
Tgt Ion:104 Resp: 40429

Ion Ratio Lower Upper

104 100

78 109.2 47.8 71.6#

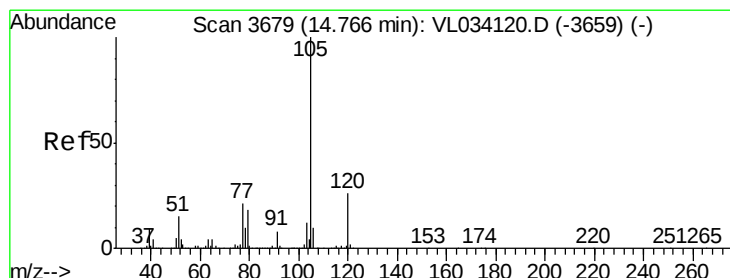
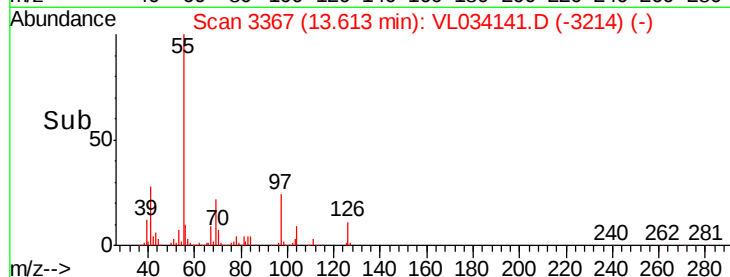
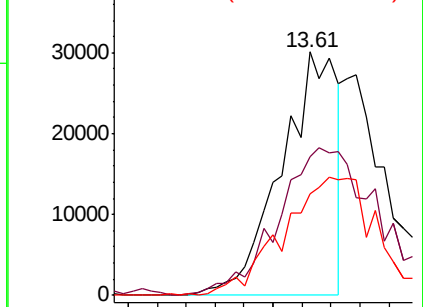
103 83.1 38.7 58.1#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.369 ppbv

RT: 14.76 min Scan# 3723

Delta R.T. -0.01 min

Lab File: VL034141.D

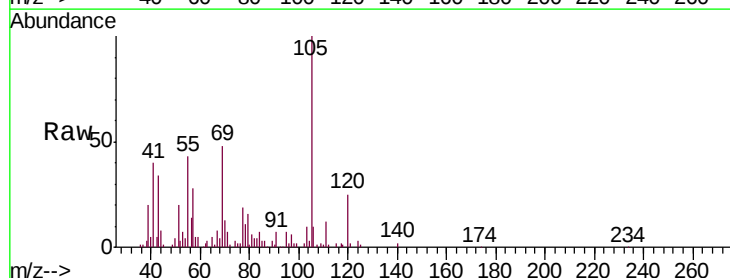
Acq: 10 Sep 2019 13:59

Tgt Ion:105 Resp: 104196

Ion Ratio Lower Upper

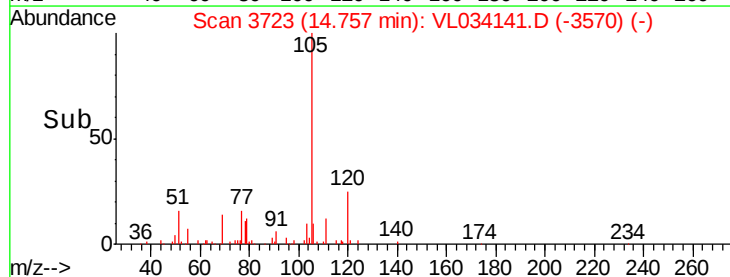
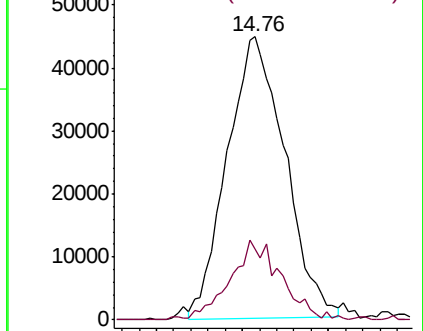
105 100

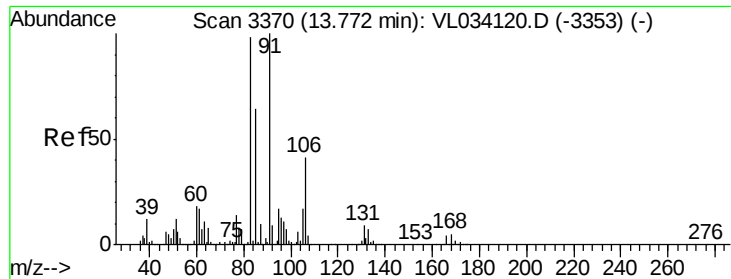
120 25.3 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

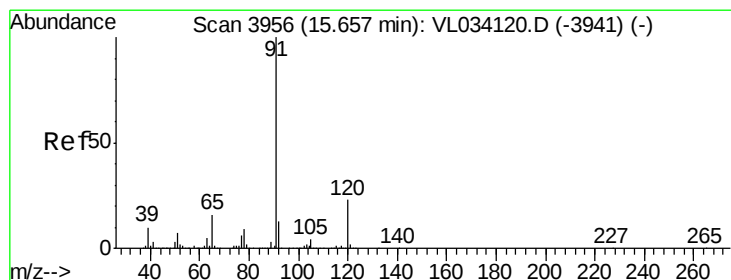
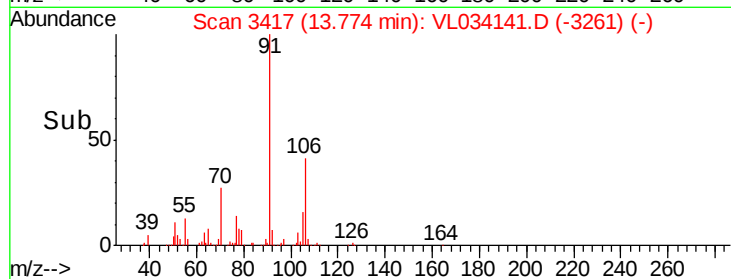
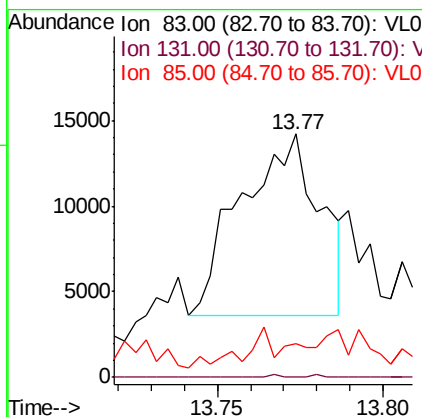
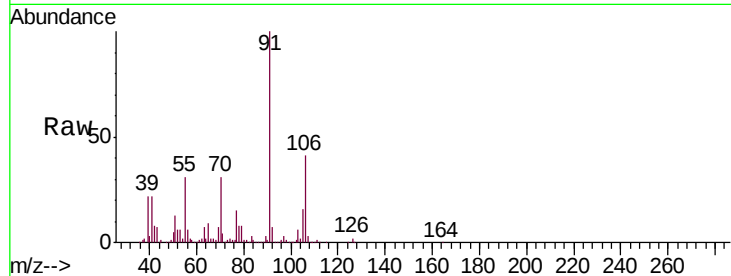




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.099 ppbv
 RT: 13.77 min Scan# 3417
 Delta R.T. 0.00 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

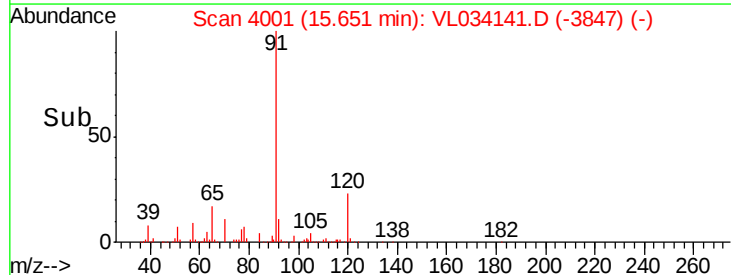
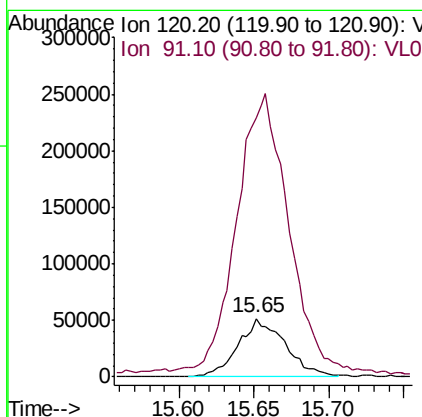
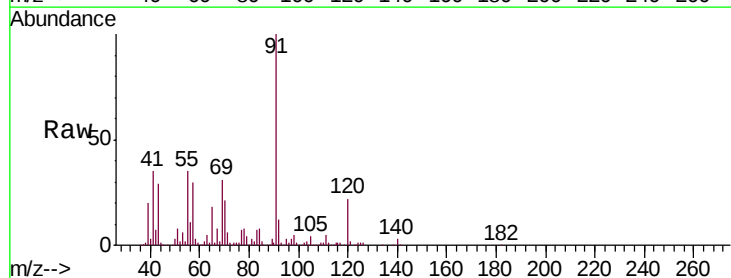
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

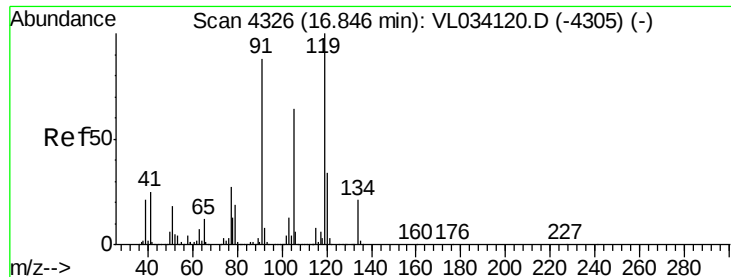
Tgt Ion: 83 Resp: 17479
 Ion Ratio Lower Upper
 83 100
 131 0.3 4.3 12.8#
 85 0.0 32.5 97.5#



#64
 n-propylbenzene
 Concen: 1.591 ppbv
 RT: 15.65 min Scan# 4001
 Delta R.T. -0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Tgt Ion: 120 Resp: 112687
 Ion Ratio Lower Upper
 120 100
 91 555.9 376.8 565.2





#65

tert-Butylbenzene

Concen: 0.743 ppbv

RT: 16.87 min Scan# 4379

Delta R.T. 0.02 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampled :

SV5

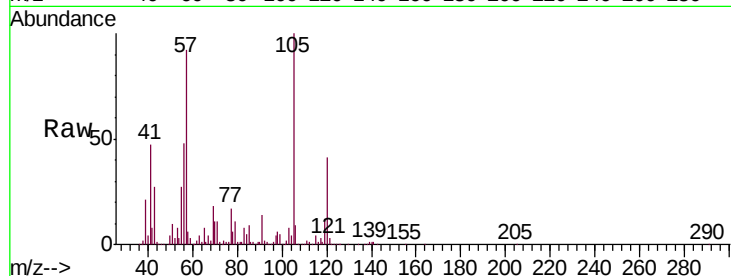
Tgt Ion:119 Resp: 181202

Ion Ratio Lower Upper

119 100

91 117.6 72.8 109.2#

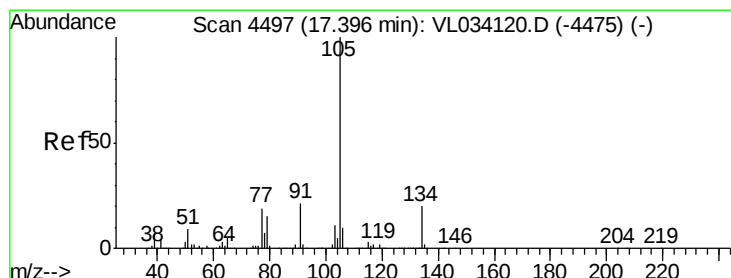
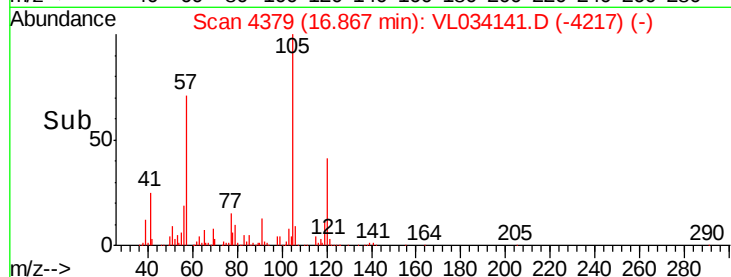
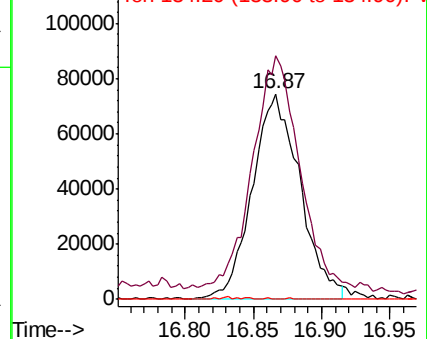
134 0.8 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#67

sec-Butylbenzene

Concen: 0.050 ppbv

RT: 17.40 min Scan# 4544

Delta R.T. 0.00 min

Lab File: VL034141.D

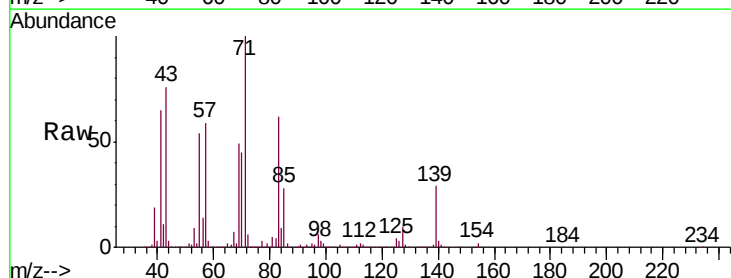
Acq: 10 Sep 2019 13:59

Tgt Ion:105 Resp: 17563

Ion Ratio Lower Upper

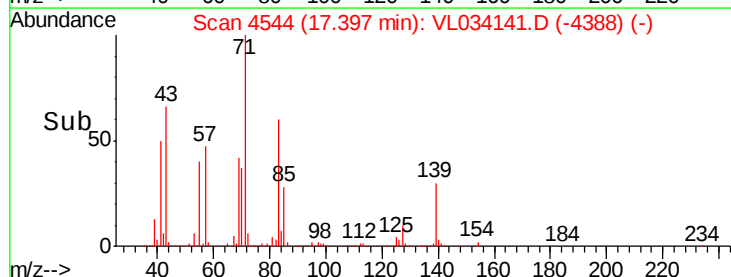
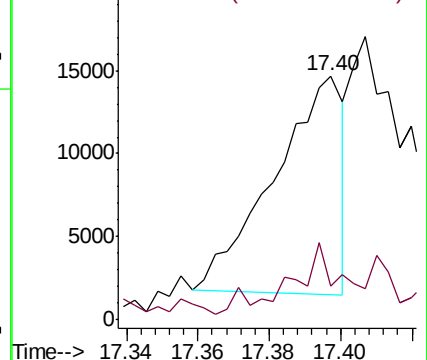
105 100

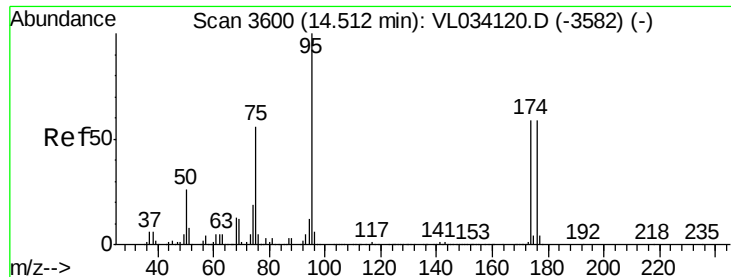
134 50.2 15.0 22.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

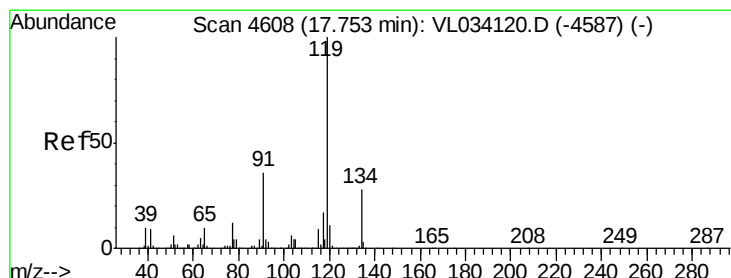
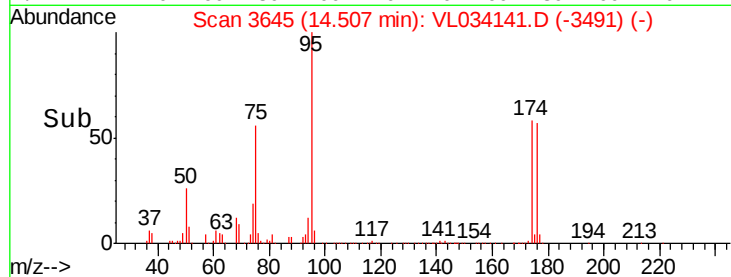
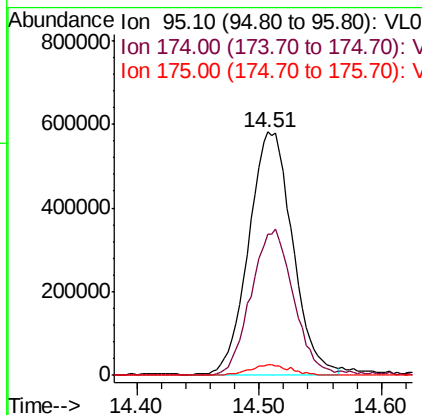
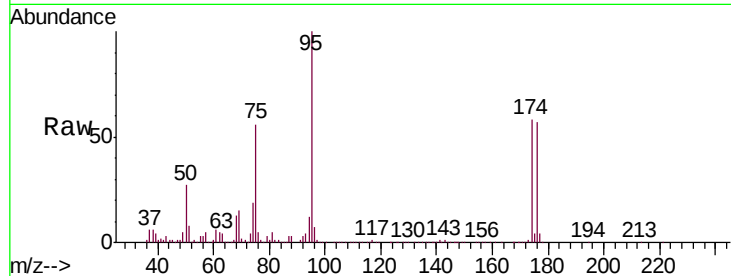




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.824 ppbv
 RT: 14.51 min Scan# 3645
 Delta R.T. -0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

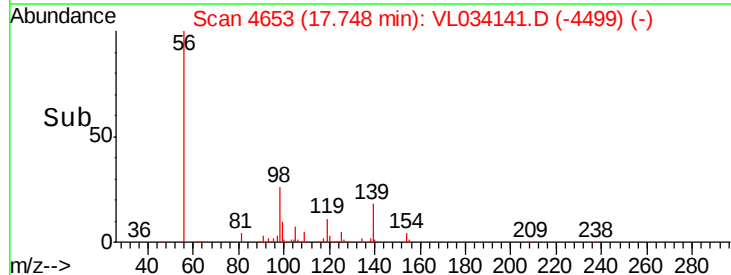
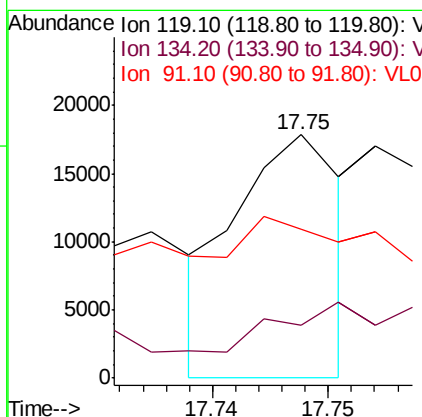
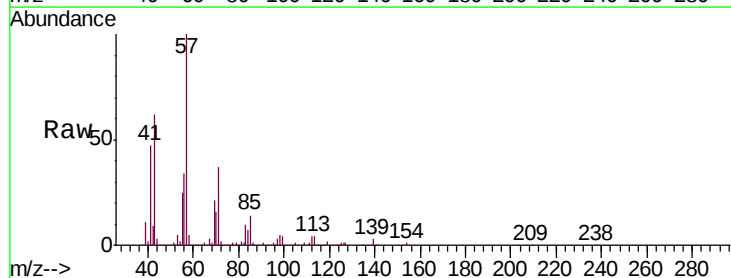
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

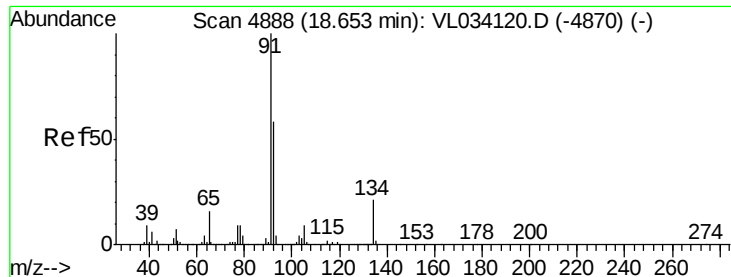
Tgt Ion: 95 Resp: 1443258
 Ion Ratio Lower Upper
 95 100
 174 59.7 48.1 72.1
 175 4.2 3.5 5.3



#69
 p-Isopropyltoluene
 Concen: 0.040 ppbv
 RT: 17.75 min Scan# 4653
 Delta R.T. -0.01 min
 Lab File: VL034141.D
 Acq: 10 Sep 2019 13:59

Tgt Ion: 119 Resp: 11367
 Ion Ratio Lower Upper
 119 100
 134 121.1 20.8 31.2#
 91 0.0 27.2 40.8#

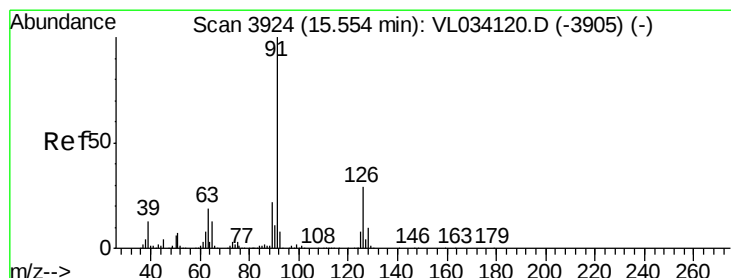
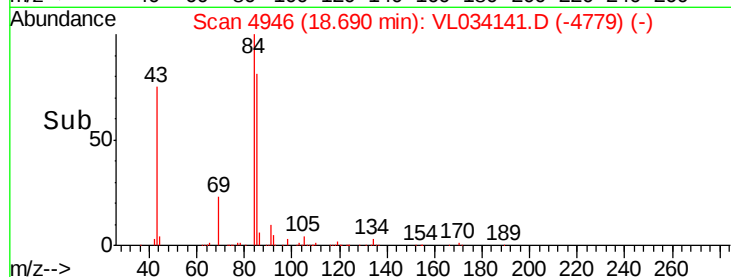
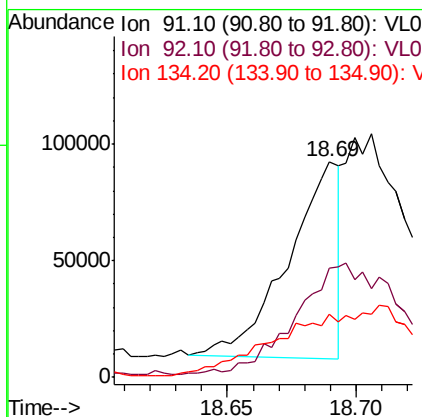
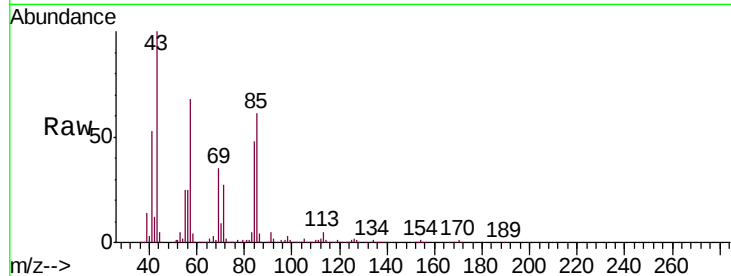




#70
n-Butylbenzene
Concen: 0.364 ppbv
RT: 18.69 min Scan# 4946
Delta R.T. 0.04 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

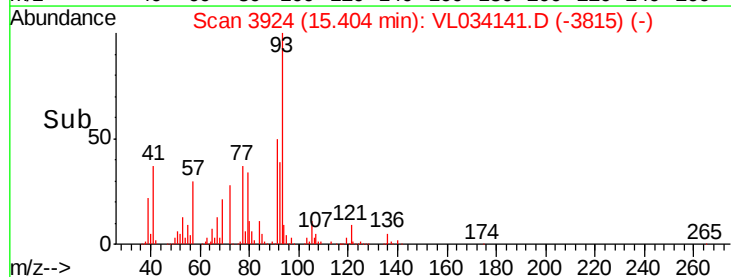
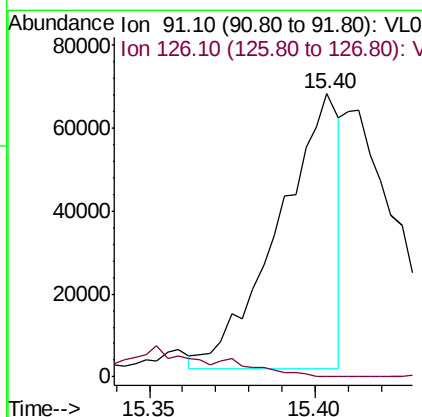
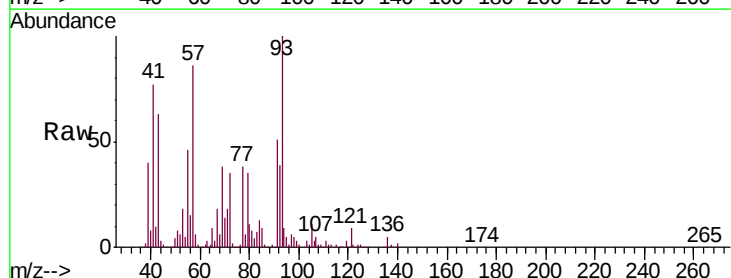
Instrument :
MSVOA_L
ClientSampleID :
SV5

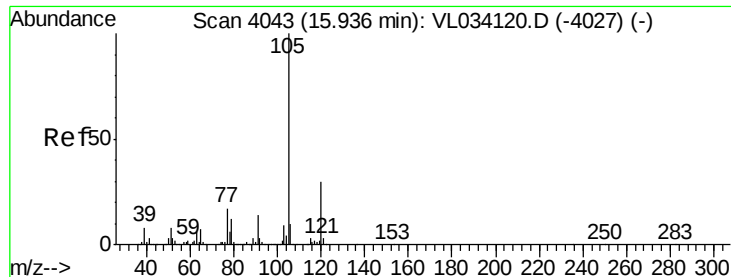
Tgt Ion: 91 Resp: 116252
Ion Ratio Lower Upper
91 100
92 121.0 45.3 67.9#
134 0.0 17.4 26.0#



#71
2-Chlorotoluene
Concen: 0.366 ppbv
RT: 15.40 min Scan# 3924
Delta R.T. -0.15 min
Lab File: VL034141.D
Acq: 10 Sep 2019 13:59

Tgt Ion: 91 Resp: 84619
Ion Ratio Lower Upper
91 100
126 21.8 11.4 45.4





#72

4-Ethyltoluene

Concen: 2.762 ppbv

RT: 15.93 min Scan# 4088

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tgt Ion:105 Resp: 677083

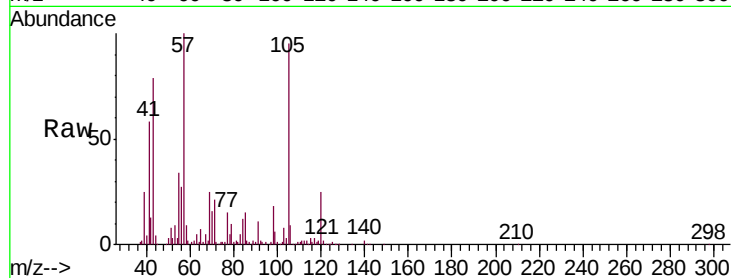
Ion Ratio Lower Upper

105 100

120 29.4 23.8 35.6

91 13.3 11.4 17.0

77 16.0 12.6 18.8



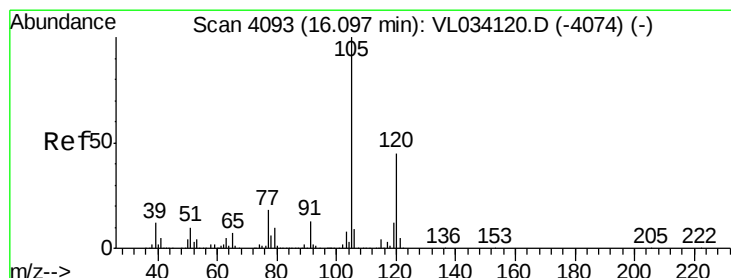
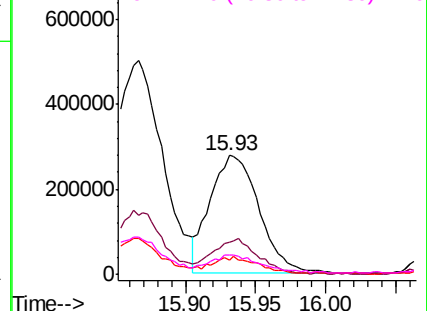
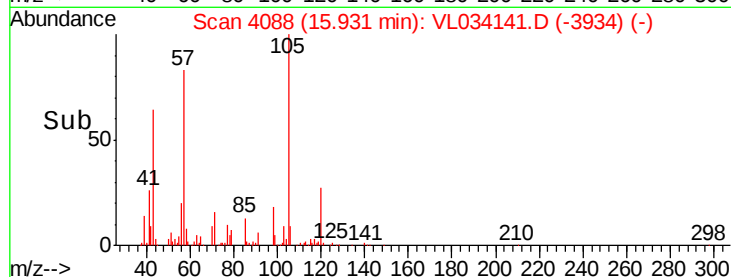
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 1.990 ppbv

RT: 16.09 min Scan# 4139

Delta R.T. -0.00 min

Lab File: VL034141.D

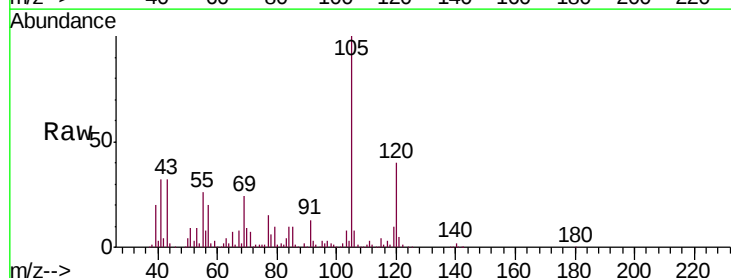
Acq: 10 Sep 2019 13:59

Tgt Ion:105 Resp: 474270

Ion Ratio Lower Upper

105 100

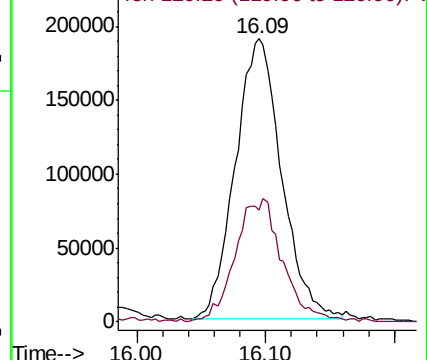
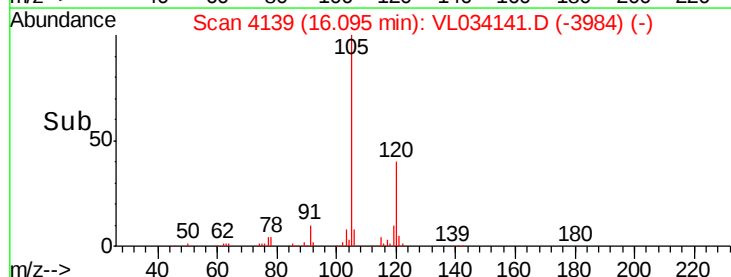
120 39.4 35.8 53.8

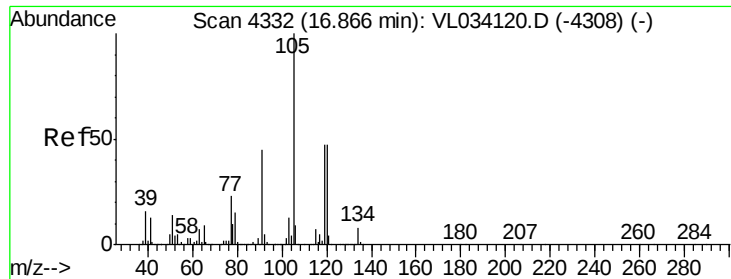


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 6.760 ppbv

RT: 16.87 min Scan# 4379

Delta R.T. 0.00 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

Tgt Ion:105 Resp: 1658772

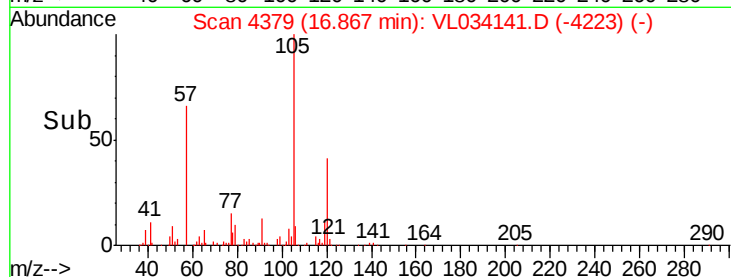
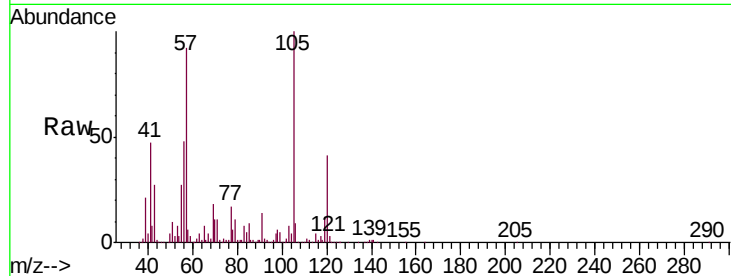
Ion Ratio Lower Upper

105 100

120 41.4 37.7 56.5

91 13.1 36.2 54.2#

77 15.6 18.5 27.7#

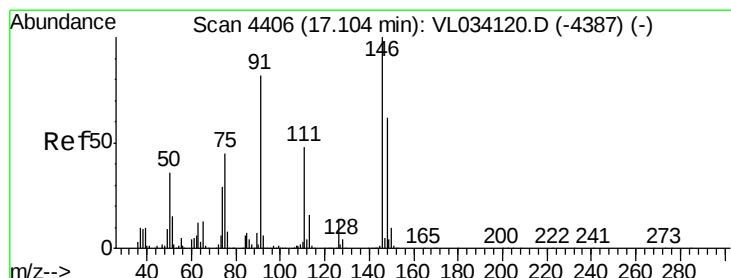
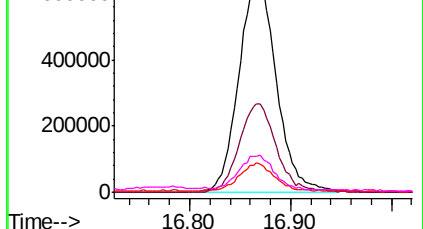


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.051 ppbv

RT: 17.09 min Scan# 4450

Delta R.T. -0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

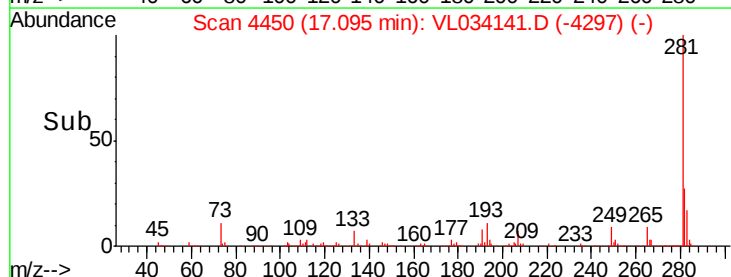
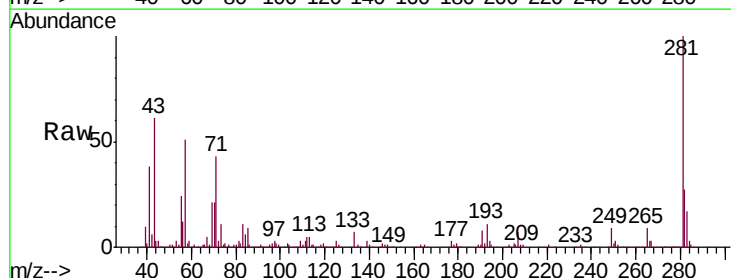
Tgt Ion:146 Resp: 6662

Ion Ratio Lower Upper

146 100

111 0.0 24.9 74.7#

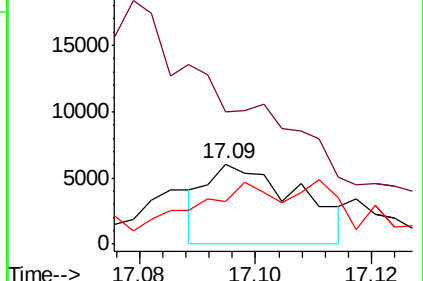
148 0.0 32.5 97.5#

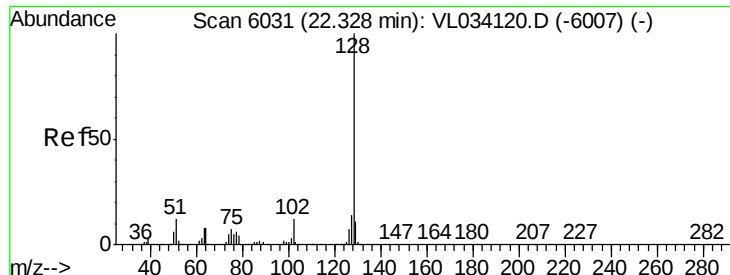


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.189 ppbv

RT: 22.34 min Scan# 6081

Delta R.T. 0.01 min

Lab File: VL034141.D

Acq: 10 Sep 2019 13:59

Instrument :

MSVOA_L

ClientSampleId :

SV5

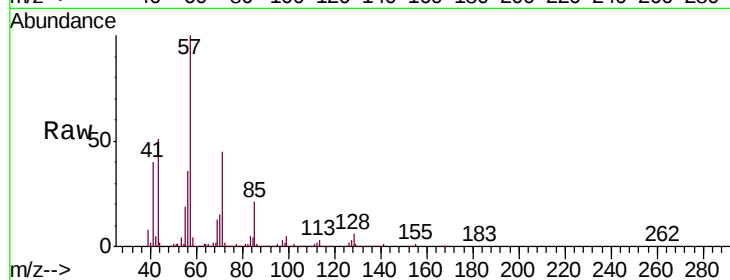
Tgt Ion:128 Resp: 41906

Ion Ratio Lower Upper

128 100

127 17.3 10.9 16.3#

129 10.4 8.5 12.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

