

Data File : VL032573.D
Acq On : 28 Sep 2018 6:42
Operator : SY/AP
Sample : J5094-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
KIA-1

Quant Time: Sep 28 07:11:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1374357	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3049116	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3277011	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.62	95	2393316	9.68	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	41190	0.324	ppbv	99
3) Chlorodifluoromethane	3.03	51	20802612	182.014	ppbv #	75
4) Chloromethane	3.19	50	45968	0.690	ppbv	97
8) Dichlorotetrafluoroethane	3.09	85	41190	0.297	ppbv #	25
9) Propene	3.25	41	1028137	20.733	ppbv	96
11) Trichlorofluoromethane	4.03	101	45448	0.301	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.58	101	9566	0.077	ppbv	94
13) Ethanol	3.74	45	20557898	1379.216	ppbv #	28
15) Acetone	3.92	43	11097349	91.989	ppbv	91
16) 1,3-Butadiene	3.41	39	320985	6.561	ppbv #	2
17) tert-Butyl alcohol	4.39	59	3659	0.241	ppbv #	100
19) Isopropyl Alcohol	4.16	45	3912170	46.557	ppbv #	93
20) Methylene Chloride	4.44	84	28295	0.484	ppbv #	82
21) Allyl Chloride	4.46	41	19956	0.202	ppbv #	11
23) Vinyl Acetate	5.17	43	213757	1.003	ppbv #	49
25) Ethyl Acetate	5.79	43	728972	2.490	ppbv #	93
26) Hexane	5.81	57	118588	0.897	ppbv #	1
27) Carbon Disulfide	4.65	76	15241	0.107	ppbv #	1
29) Chloroform	5.88	83	14606	0.072	ppbv	95
31) cis-1,2-Dichloroethene	5.79	61	85427	0.678	ppbv #	29
34) 2-Butanone	5.36	43	432083	2.380	ppbv	99
35) Carbon Tetrachloride	7.16	117	6842	0.032	ppbv #	85
36) Benzene	7.04	78	78776	0.320	ppbv	95
37) 1,2-Dichloroethane	6.44	62	17202	0.116	ppbv #	81
39) 1,2-Dichloropropane	7.32	63	820029	7.385	ppbv #	25
41) Tetrahydrofuran	6.18	42	16797	0.170	ppbv #	39
44) 2,2,4-Trimethylpentane	8.03	57	42698	0.089	ppbv #	50
51) 2-Hexanone	10.33	43	8543	0.036	ppbv #	1
52) Tetrachloroethene	11.41	164	28883	0.337	ppbv	86
53) Toluene	9.98	91	775814	2.584	ppbv	98
58) Ethyl Benzene	12.90	91	27536	0.069	ppbv	95
59) m/p-Xylene	13.15	91	182715	0.517	ppbv	98
60) o-Xylene	13.88	91	77078	0.224	ppbv	98
61) Styrene	13.73	104	15941	0.071	ppbv #	38
64) n-propylbenzene	15.76	120	24684	0.197	ppbv	78
65) tert-Butylbenzene	16.96	119	101858	0.244	ppbv #	67
69) p-Isopropyltoluene	17.85	119	91731	0.191	ppbv	97
72) 4-Ethyltoluene	16.04	105	174471	0.467	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.20	105	267036	0.735	ppbv	91
74) 1,2,4-Trimethylbenzene	16.96	105	910440	2.328	ppbv #	70
76) 1,4-Dichlorobenzene	17.33	146	6906	0.031	ppbv #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Quantitation Report (Not Reviewed)

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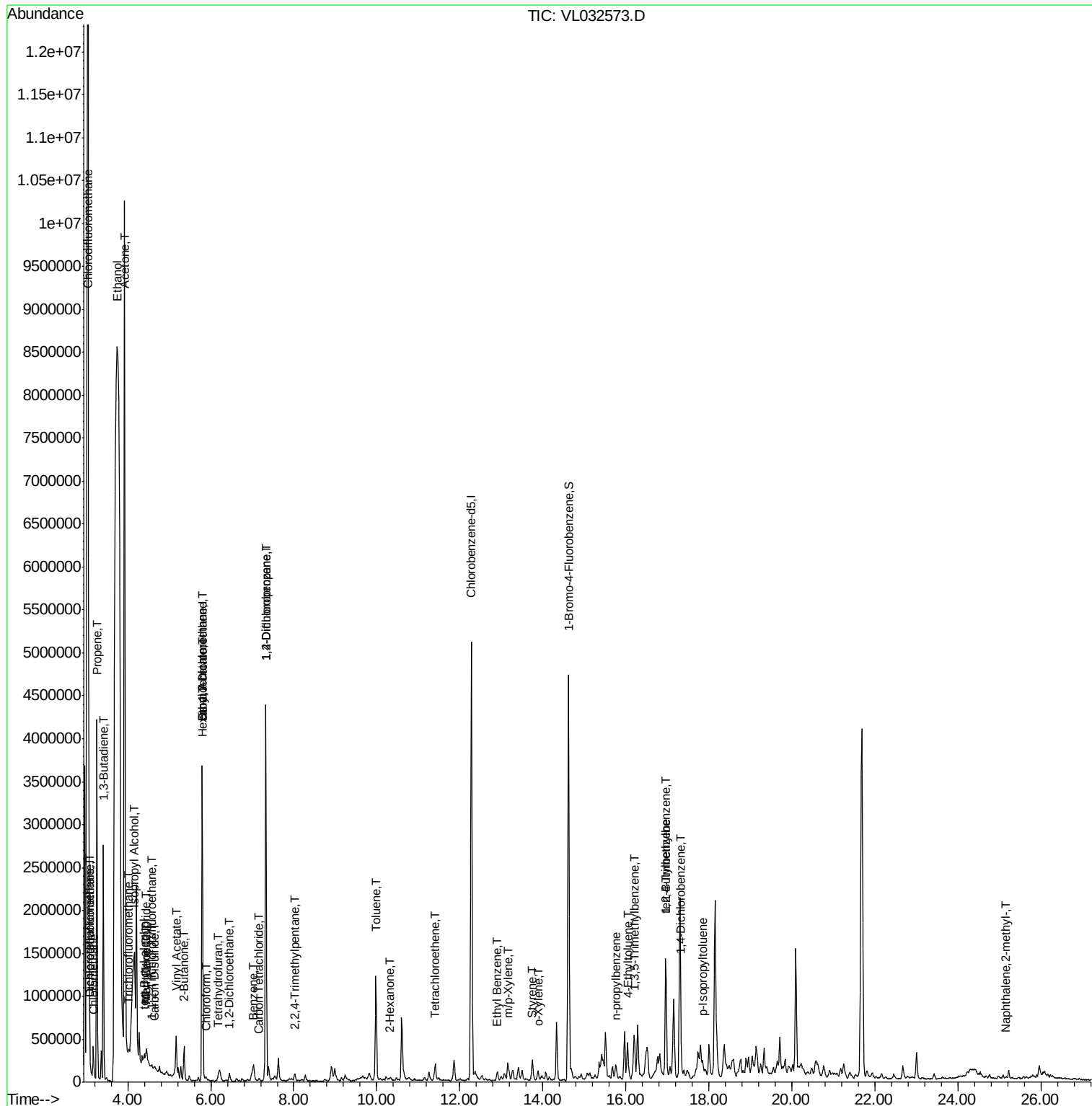
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.14	142	6085	0.092	ppbv	# 84

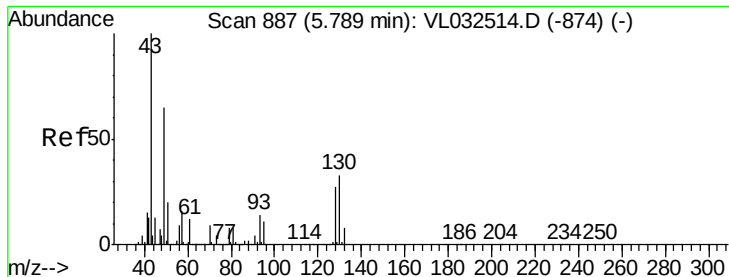
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL032573.D

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MSVOA_L

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KIA-1

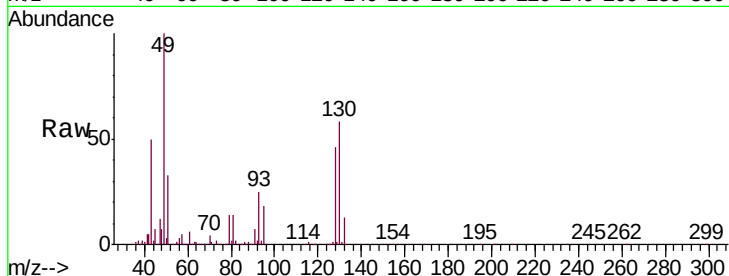
Tgt Ion: 49 Resp: 1374357

Ion Ratio Lower Upper

49 100

128 44.5 20.7 62.1

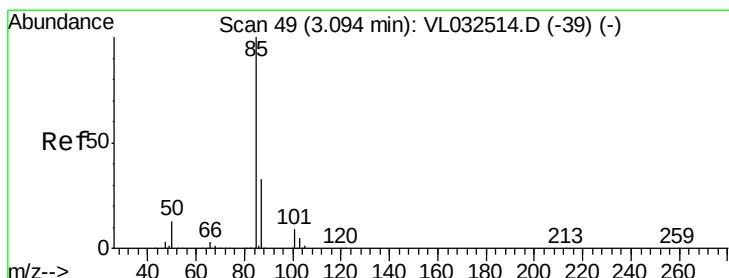
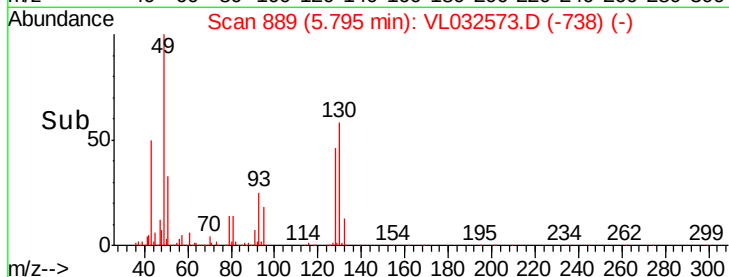
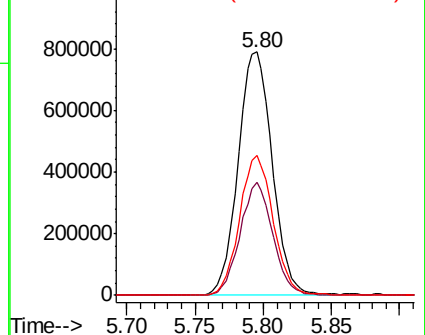
130 56.8 26.6 79.7



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: 0.324 ppbv

RT: 3.09 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL032573.D

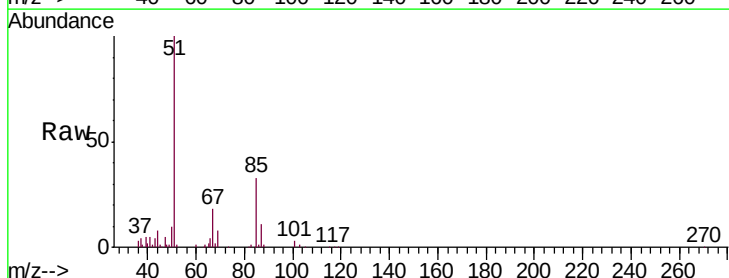
Acq: 28 Sep 2018 6:42

Tgt Ion: 85 Resp: 41190

Ion Ratio Lower Upper

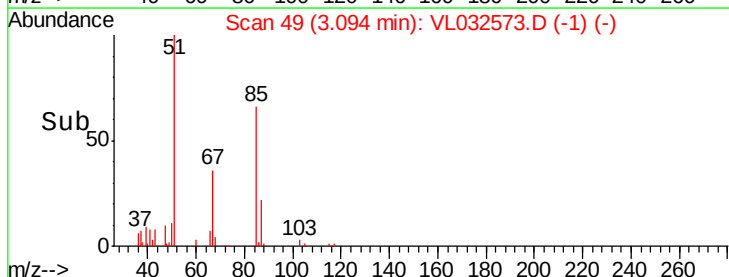
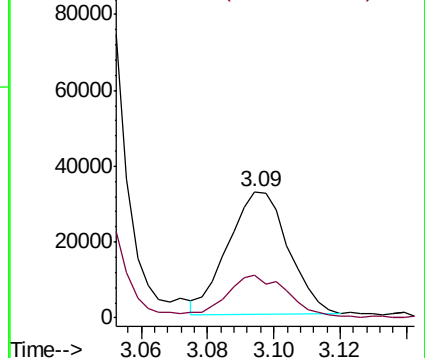
85 100

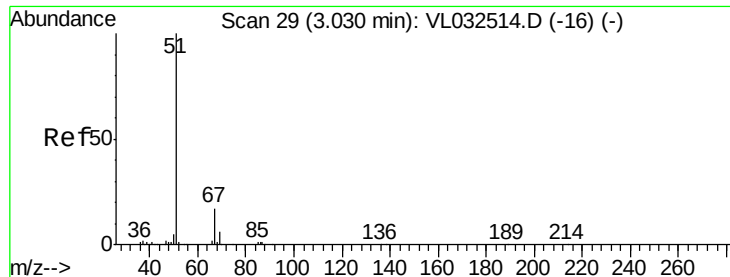
87 32.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

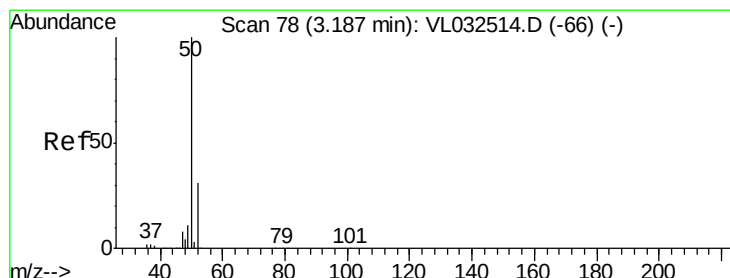
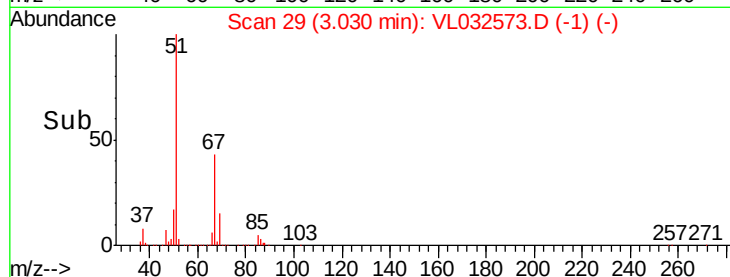
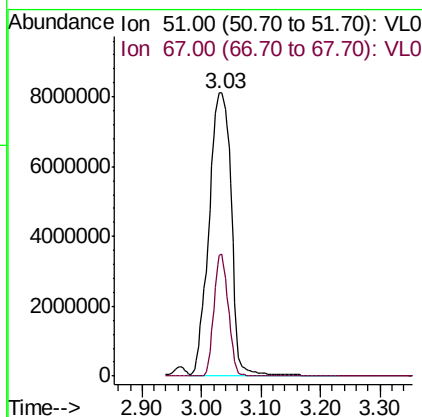
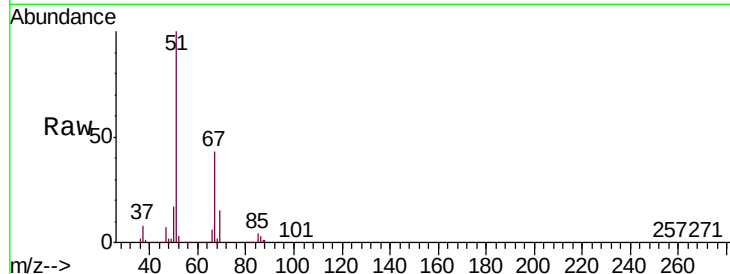




#3
 Chlorodifluoromethane
 Concen: 182.014 ppbv
 RT: 3.03 min Scan# 29
 Delta R.T. -0.01 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

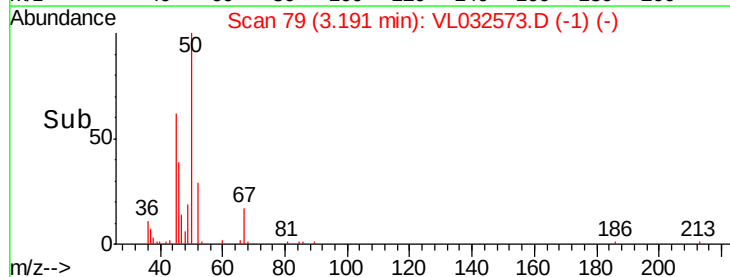
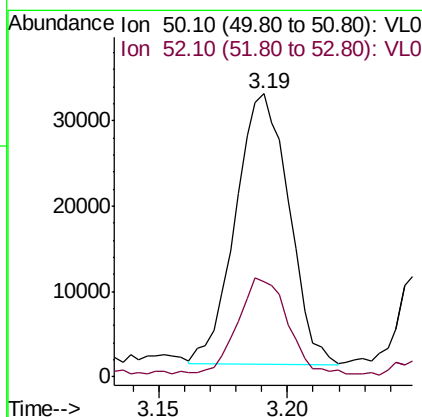
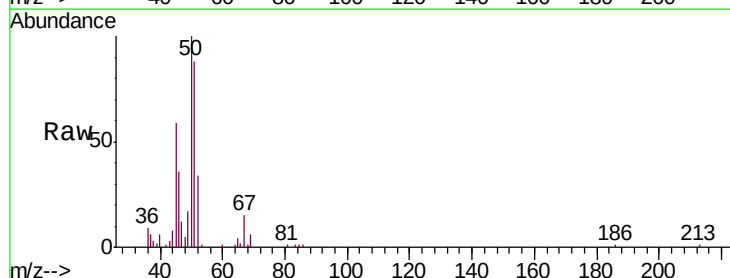
Instrument :
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 KIA-1

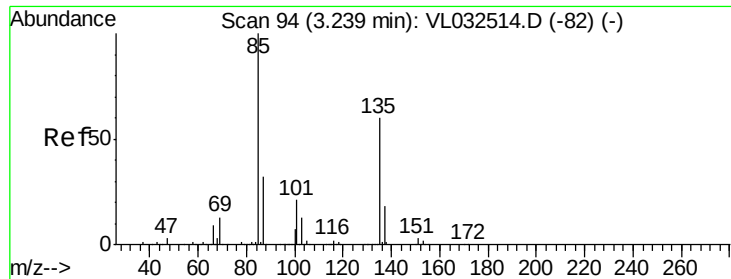
Tgt Ion: 51 Resp:20802612
 Ion Ratio Lower Upper
 51 100
 67 28.3 13.8 20.8#



#4
 Chloromethane
 Concen: 0.690 ppbv
 RT: 3.19 min Scan# 79
 Delta R.T. -0.01 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

Tgt Ion: 50 Resp: 45968
 Ion Ratio Lower Upper
 50 100
 52 33.7 25.6 38.4





#8

Dichlorotetrafluoroethane

Concen: 0.297 ppbv

RT: 3.09 min Scan# 49

Delta R.T. -0.16 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

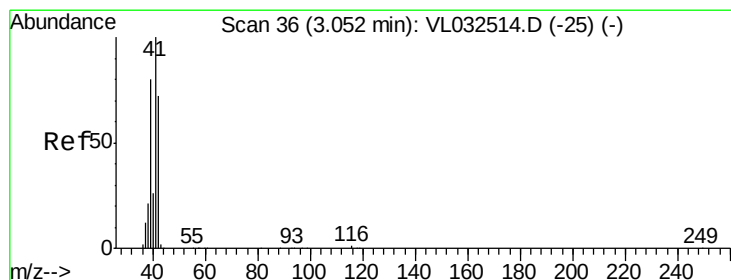
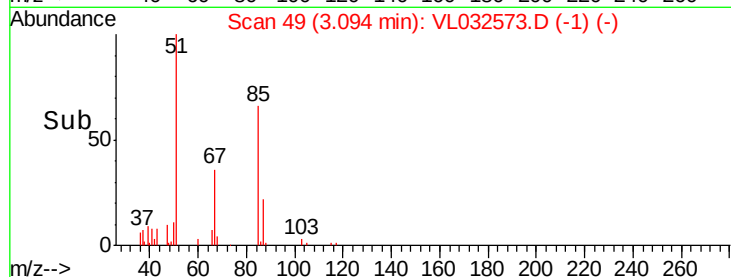
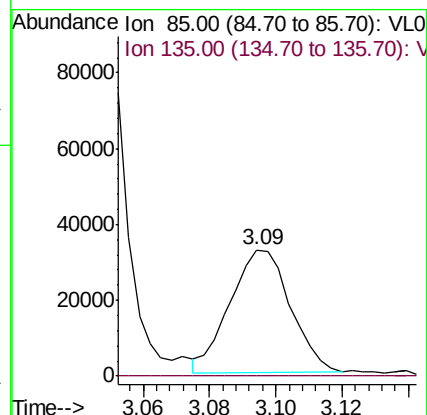
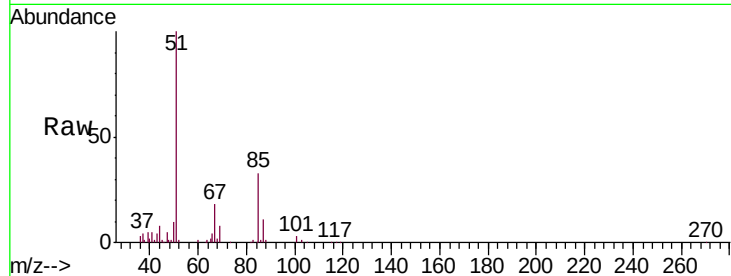
KIA-1

Tgt Ion: 85 Resp: 41190

Ion Ratio Lower Upper

85 100

135 3.6 48.6 72.8#



#9

Propene

Concen: 20.733 ppbv

RT: 3.25 min Scan# 99

Delta R.T. 0.19 min

Lab File: VL032573.D

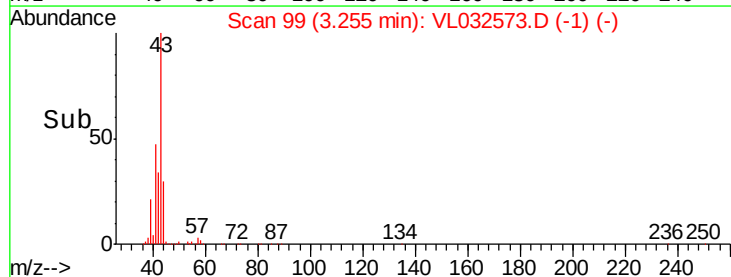
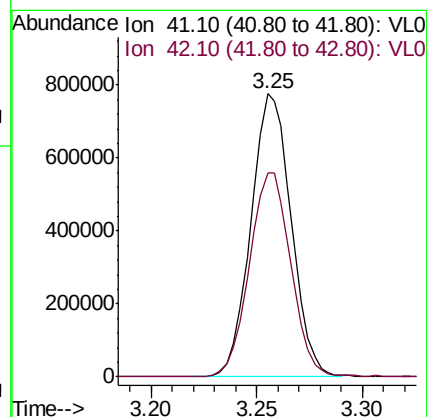
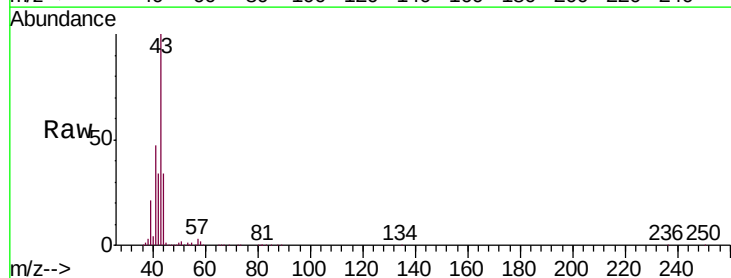
Acq: 28 Sep 2018 6:42

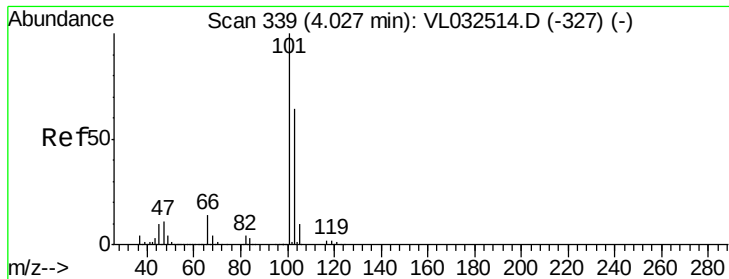
Tgt Ion: 41 Resp: 1028137

Ion Ratio Lower Upper

41 100

42 74.4 56.6 84.8

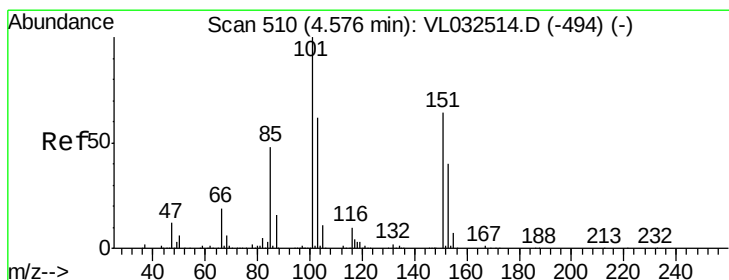
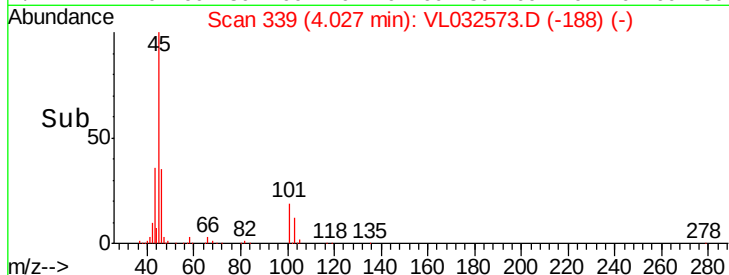
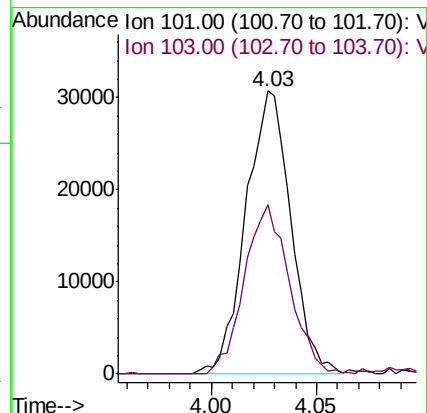
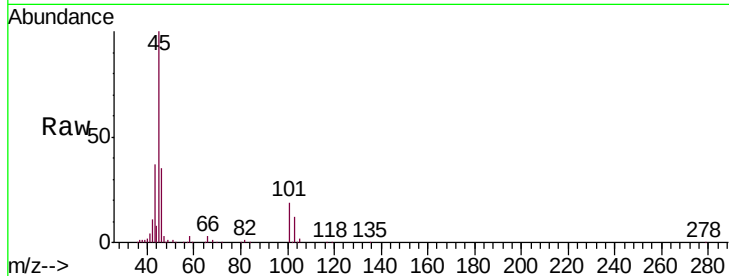




#11
 Trichlorofluoromethane
 Concen: 0.301 ppbv
 RT: 4.03 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

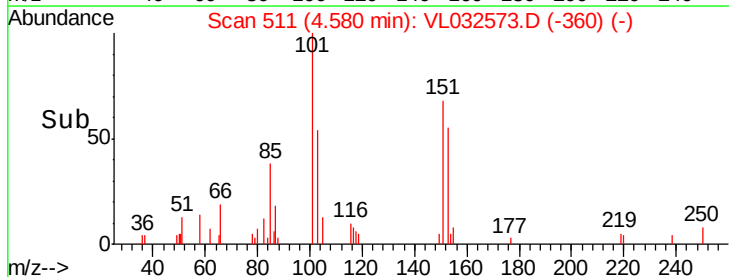
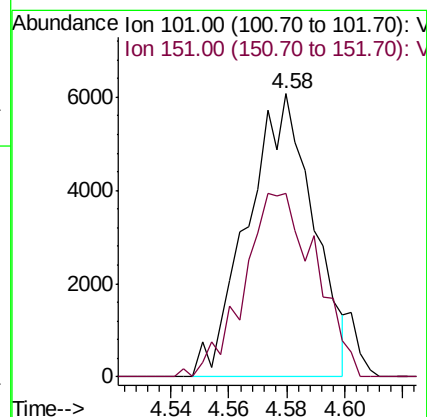
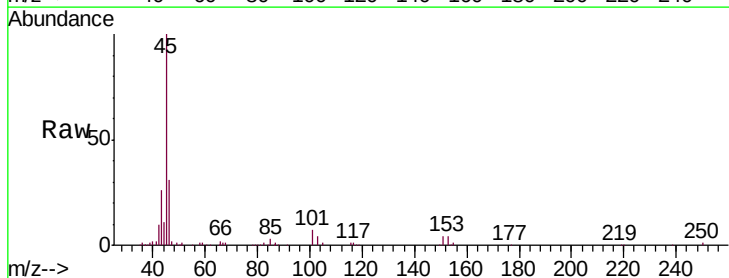
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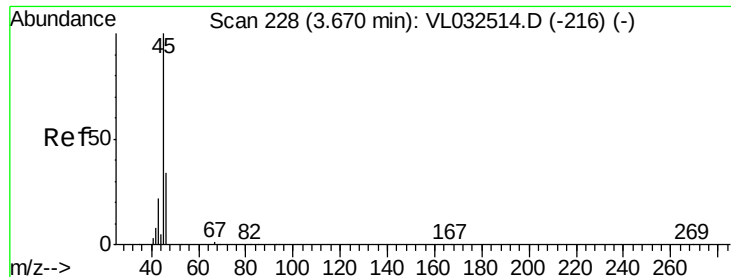
Tgt Ion:101 Resp: 45448
 Ion Ratio Lower Upper
 101 100
 103 59.7 52.8 79.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.077 ppbv
 RT: 4.58 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

Tgt Ion:101 Resp: 9566
 Ion Ratio Lower Upper
 101 100
 151 70.9 52.6 78.8

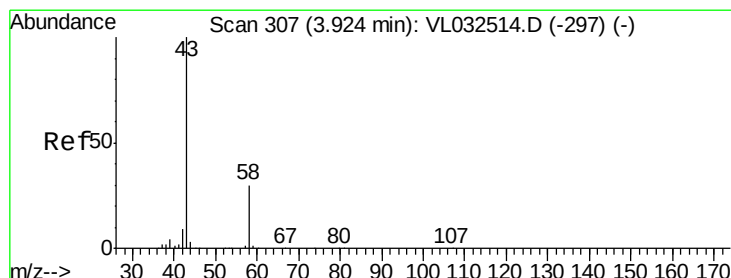
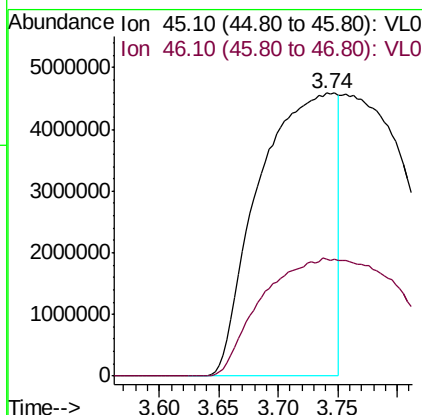
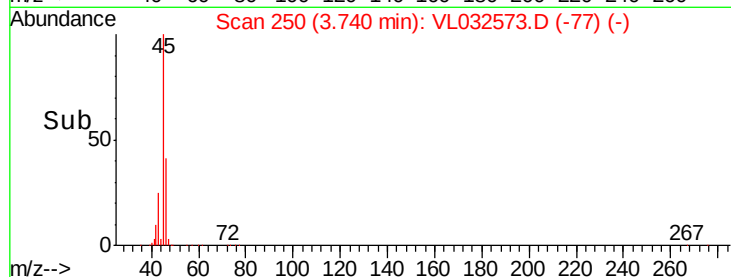
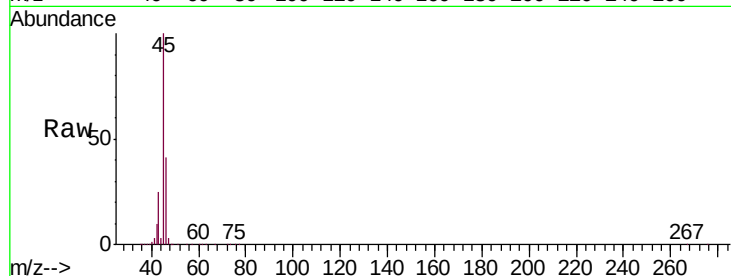




#13
Ethanol
Concen: 1379.216 ppbv
RT: 3.74 min Scan# 250
Delta R.T. 0.06 min
Lab File: VL032573.D
Acq: 28 Sep 2018 6:42

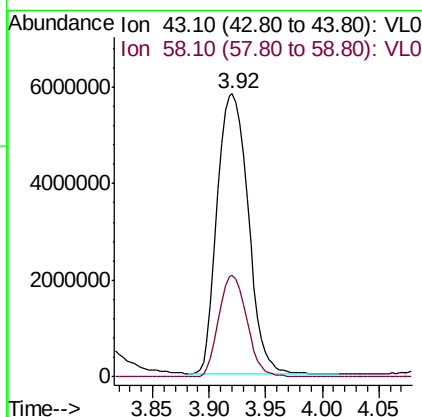
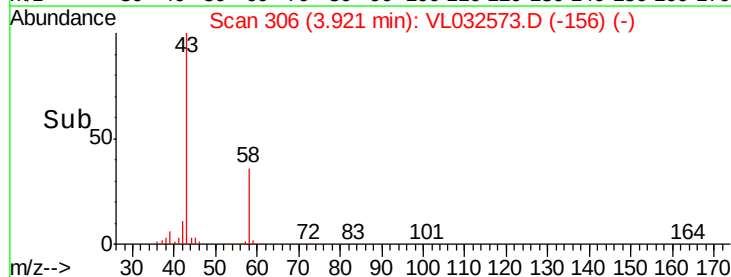
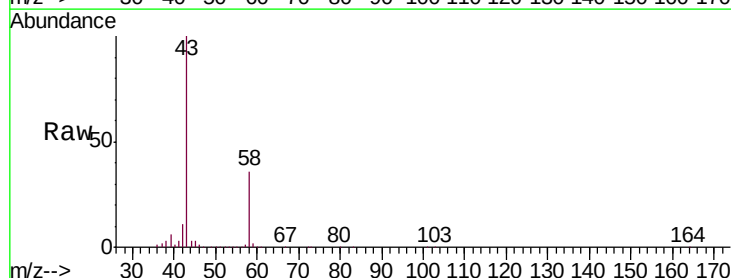
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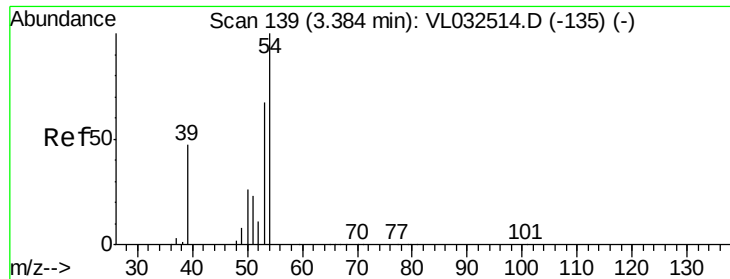
Tgt Ion: 45 Resp:20557898
Ion Ratio Lower Upper
45 100
46 77.4 14.2 56.8#



#15
Acetone
Concen: 91.989 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032573.D
Acq: 28 Sep 2018 6:42

Tgt Ion: 43 Resp:11097349
Ion Ratio Lower Upper
43 100
58 33.2 22.6 33.8

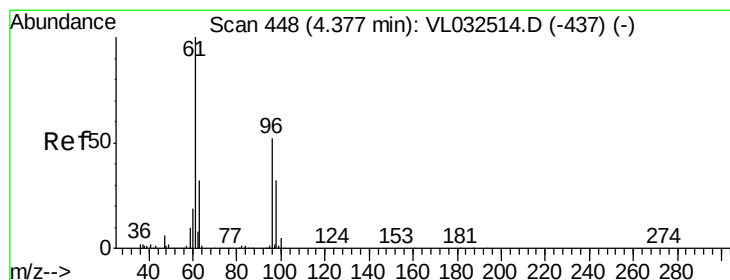
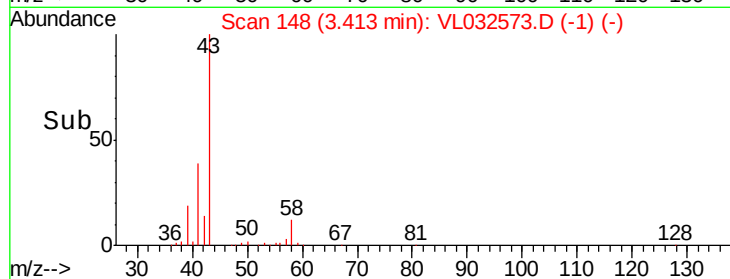
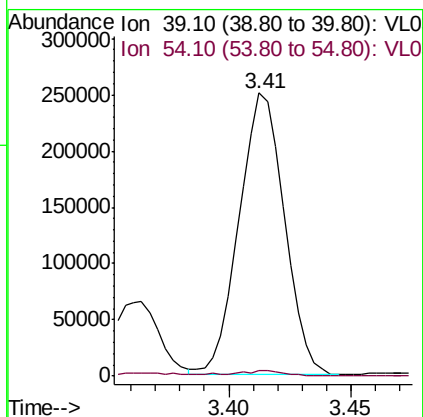
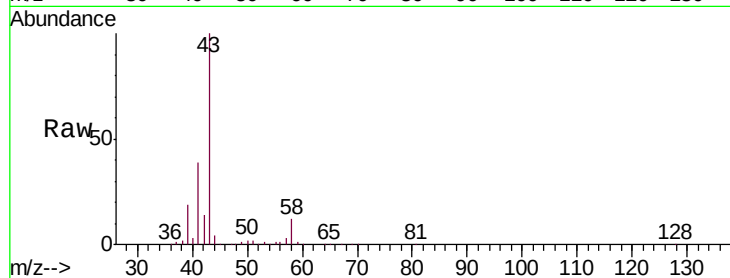




#16
 1,3-Butadiene
 Concen: 6.561 ppbv
 RT: 3.41 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

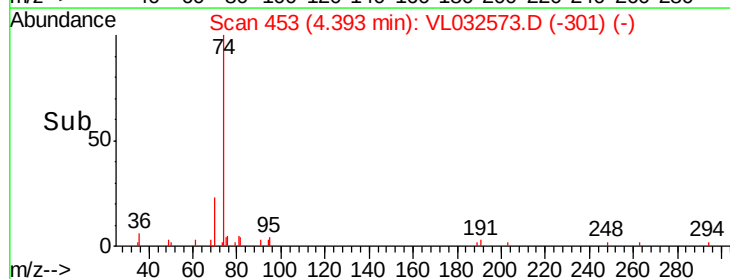
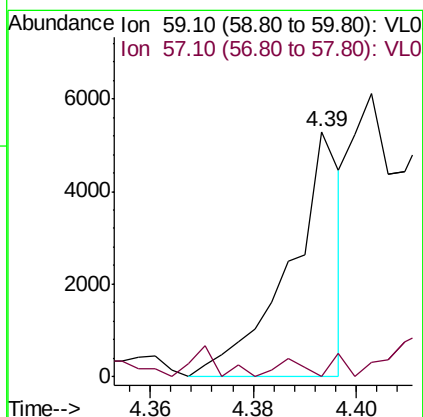
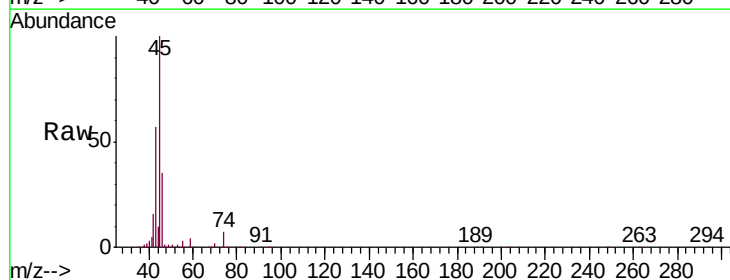
Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-1

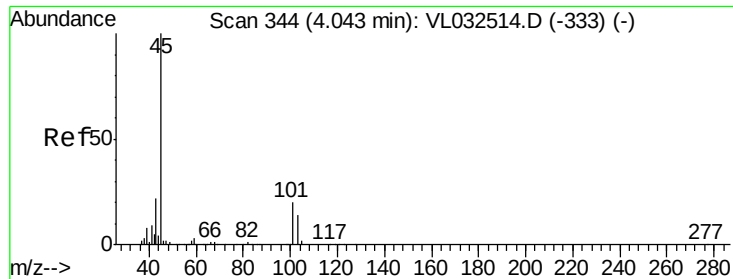
Tgt Ion: 39 Resp: 320985
 Ion Ratio Lower Upper
 39 100
 54 2.7 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 0.241 ppbv
 RT: 4.39 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

Tgt Ion: 59 Resp: 3659
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0





#19

Isopropyl Alcohol

Concen: 46.557 ppbv

RT: 4.16 min Scan# 379

Delta R.T. 0.09 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

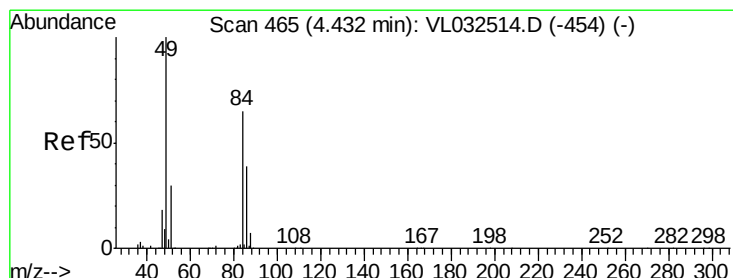
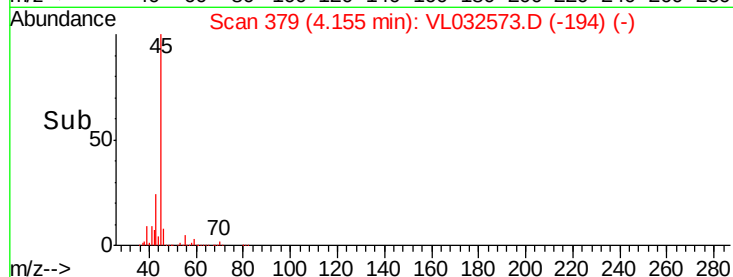
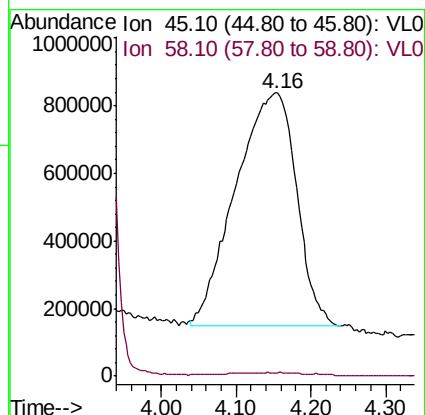
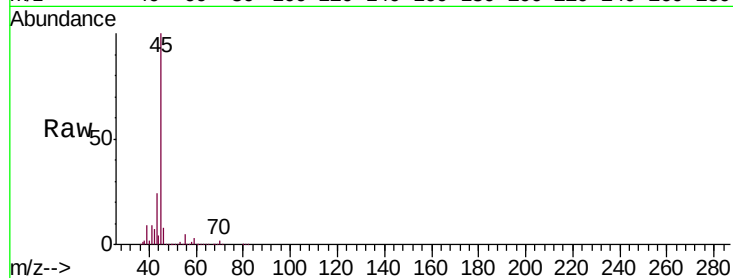
KIA-1

Tgt Ion: 45 Resp: 3912170

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 0.484 ppbv

RT: 4.44 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Tgt Ion: 84 Resp: 28295

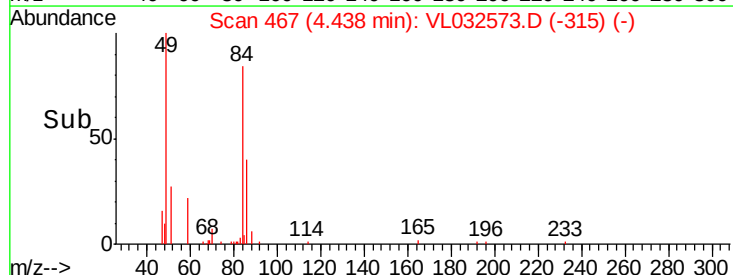
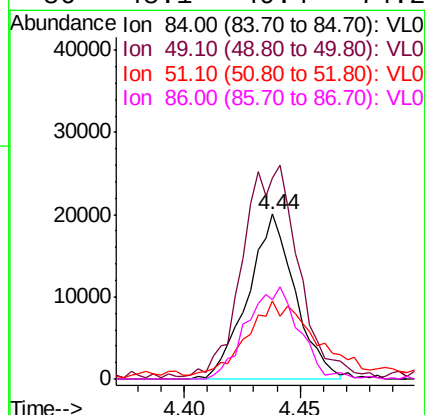
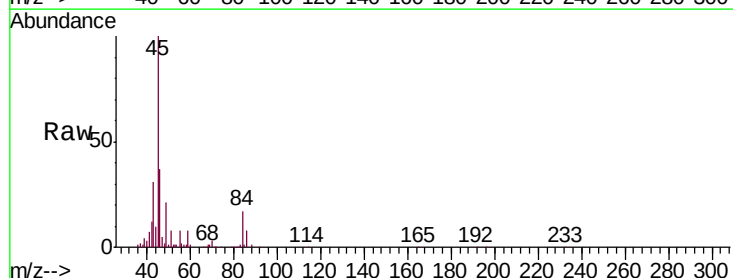
Ion Ratio Lower Upper

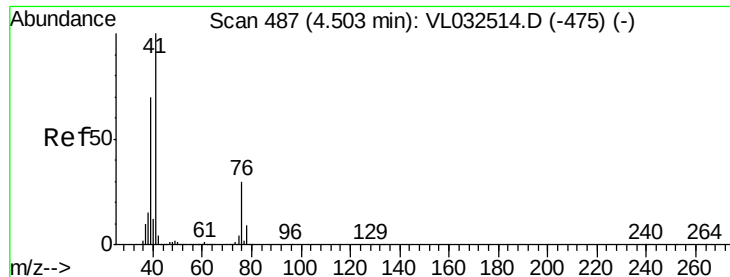
84 100

49 118.9 119.1 178.7#

51 44.4 35.2 52.8

86 48.1 49.4 74.2#

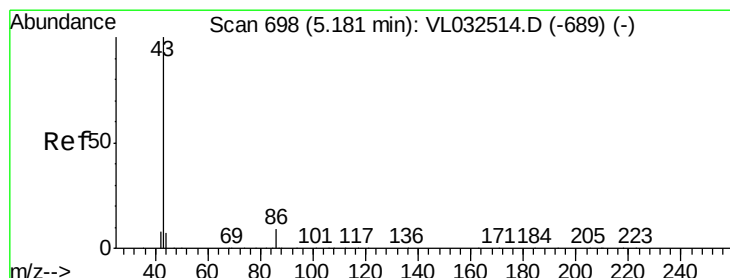
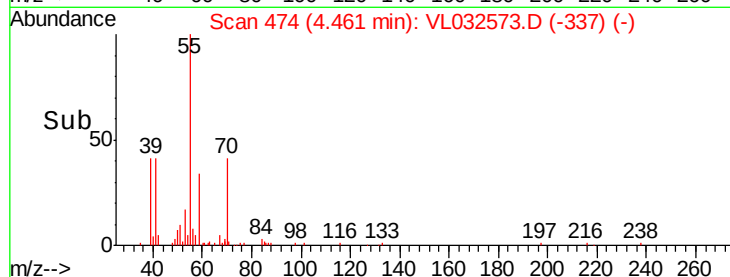
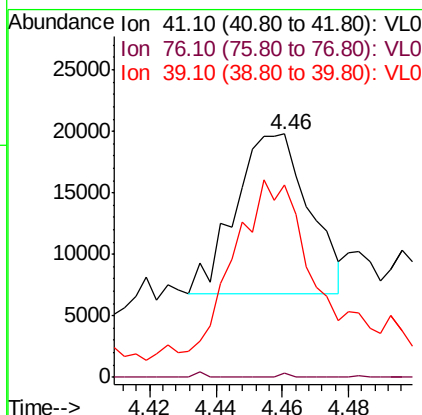
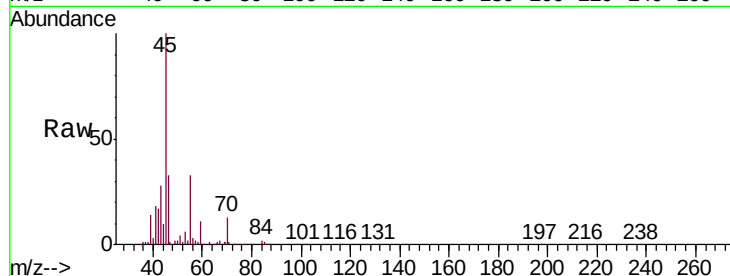




#21
 Allyl Chloride
 Concen: 0.202 ppbv
 RT: 4.46 min Scan# 474
 Delta R.T. -0.06 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

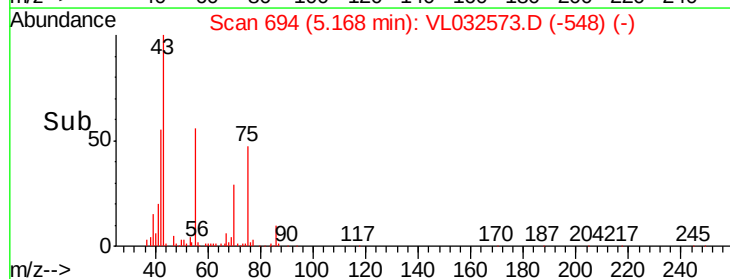
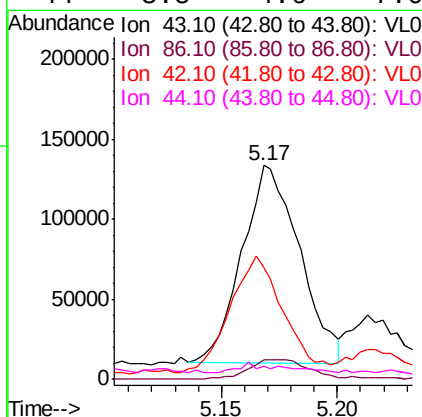
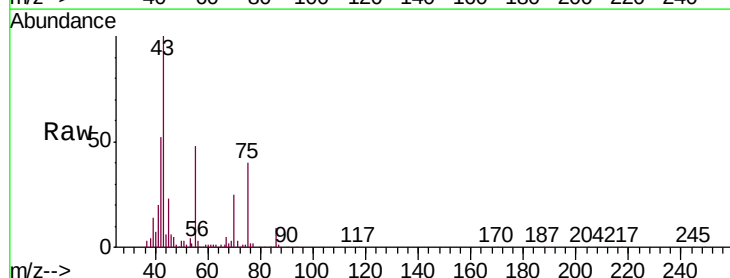
Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-1

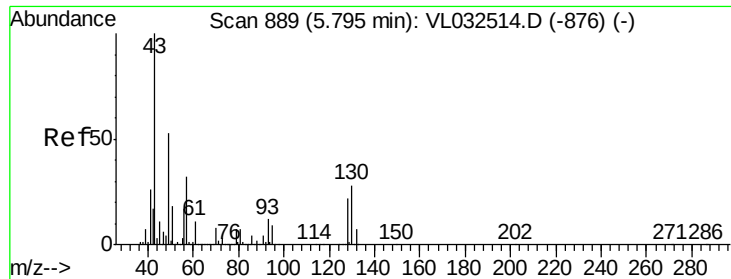
Tgt Ion: 41 Resp: 19956
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.6 35.4#
 39 158.2 57.7 86.5#



#23
 Vinyl Acetate
 Concen: 1.003 ppbv
 RT: 5.17 min Scan# 694
 Delta R.T. -0.03 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

Tgt Ion: 43 Resp: 213757
 Ion Ratio Lower Upper
 43 100
 86 9.7 5.9 8.9#
 42 51.2 6.9 10.3#
 44 3.5 4.6 7.0#

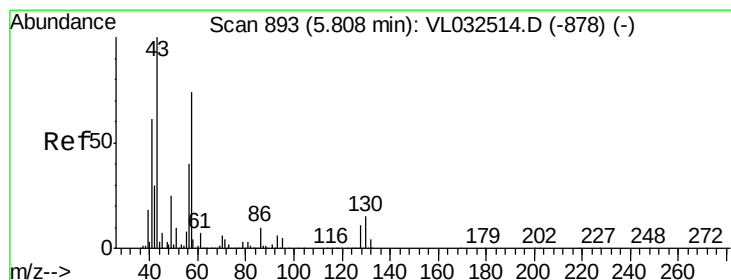
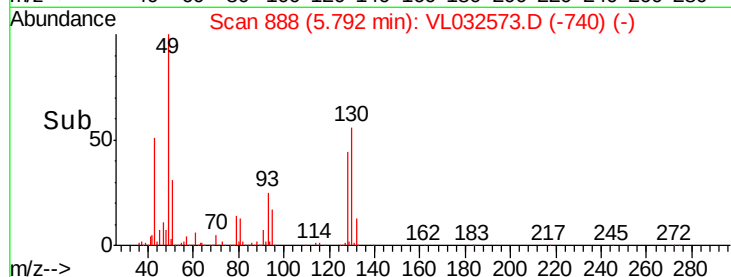
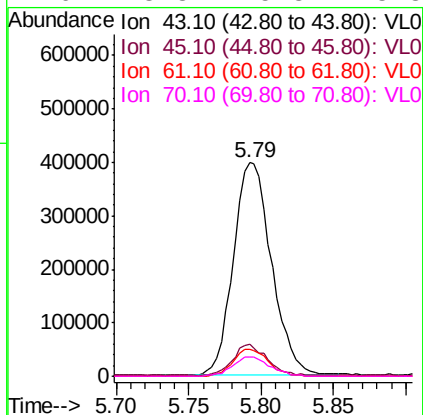
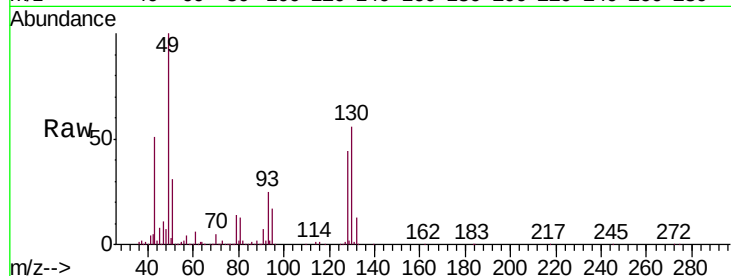




#25
Ethyl Acetate
Concen: 2.490 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.02 min
Lab File: VL032573.D
Acq: 28 Sep 2018 6:42

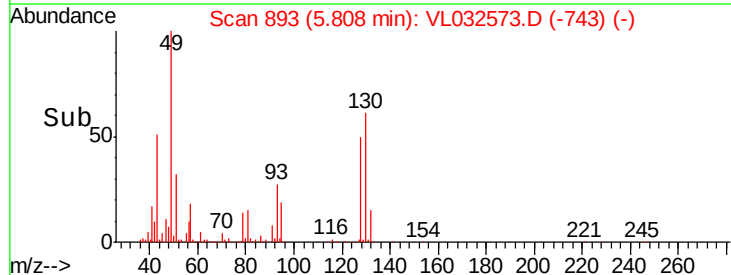
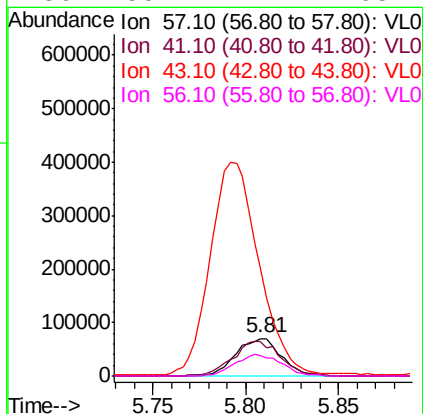
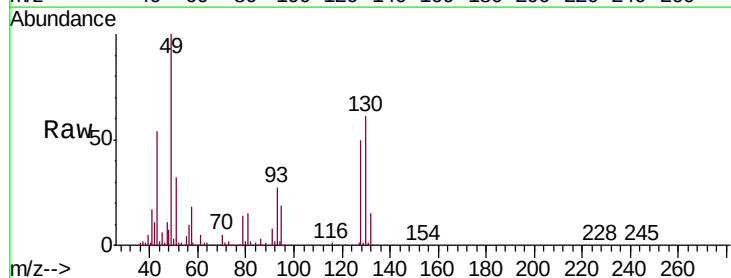
Instrument :
MSVOA_L
ClientSampleId :
KIA-1

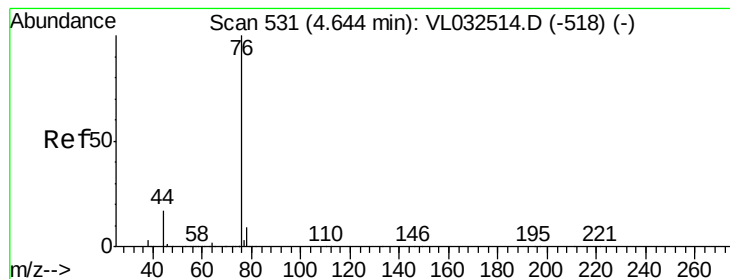
Tgt Ion:	43	Resp:	728972
Ion	Ratio	Lower	Upper
43	100		
45	13.4	8.0	12.0#
61	11.8	7.6	11.4#
70	8.8	5.8	8.8#



#26
Hexane
Concen: 0.897 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032573.D
Acq: 28 Sep 2018 6:42

Tgt Ion:	57	Resp:	118588
Ion	Ratio	Lower	Upper
57	100		
41	98.8	69.0	103.4
43	621.1	172.1	258.1#
56	59.4	42.2	63.2





#27

Carbon Disulfide

Concen: 0.107 ppbv

RT: 4.65 min Scan# 533

Delta R.T. -0.01 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

KIA-1

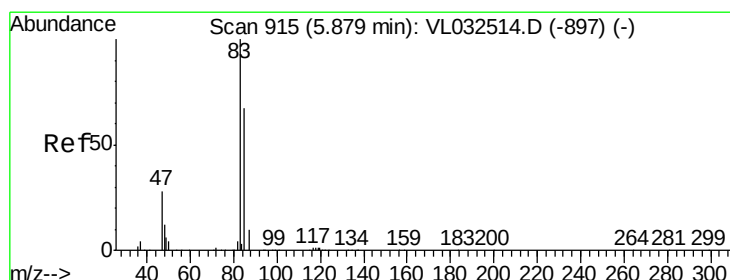
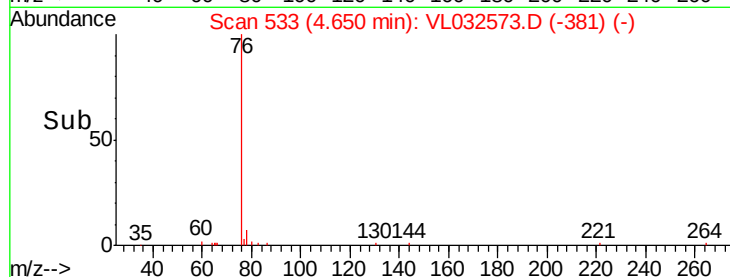
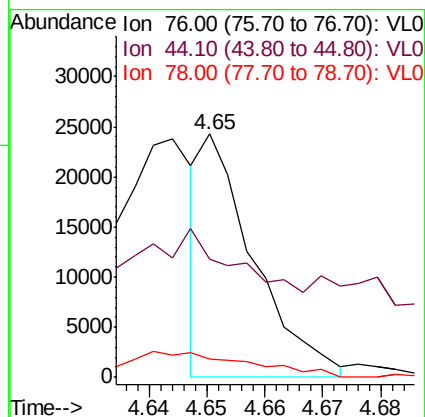
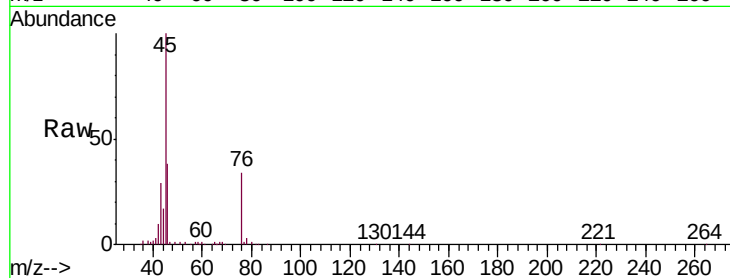
Tgt Ion: 76 Resp: 15241

Ion Ratio Lower Upper

76 100

44 78.3 14.0 21.0#

78 0.0 7.5 11.3#



#29

Chloroform

Concen: 0.072 ppbv

RT: 5.88 min Scan# 916

Delta R.T. -0.01 min

Lab File: VL032573.D

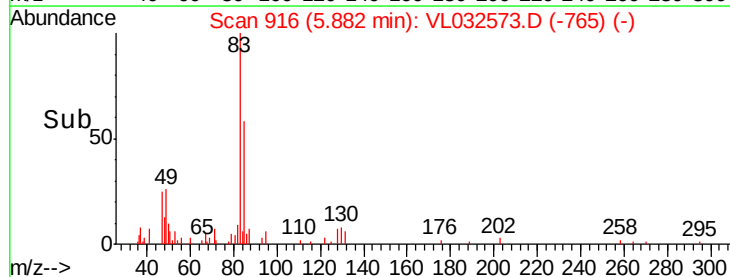
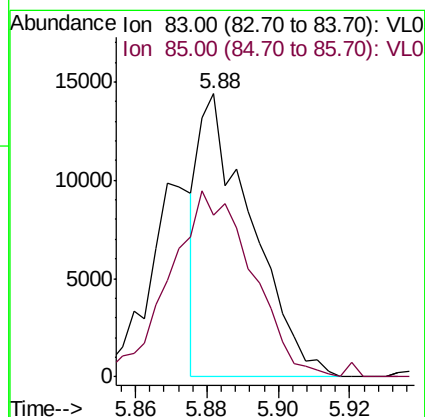
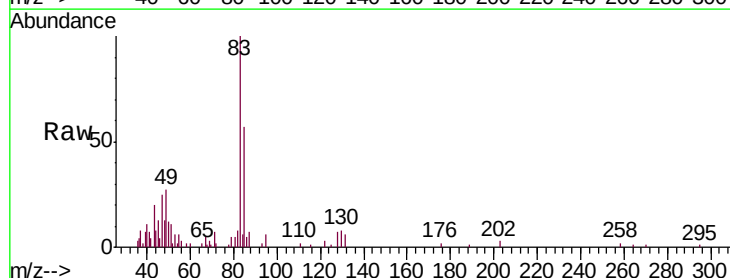
Acq: 28 Sep 2018 6:42

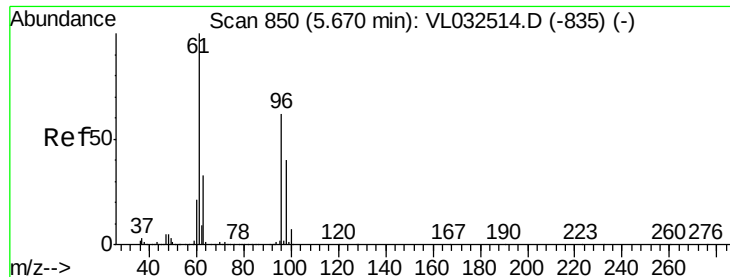
Tgt Ion: 83 Resp: 14606

Ion Ratio Lower Upper

83 100

85 61.8 52.5 78.7





#31

cis-1,2-Dichloroethene

Concen: 0.678 ppbv

RT: 5.79 min Scan# 888

Delta R.T. 0.10 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

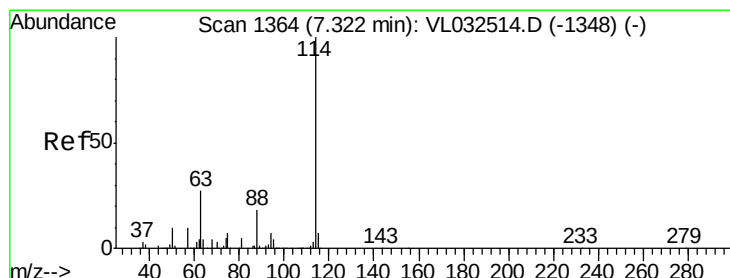
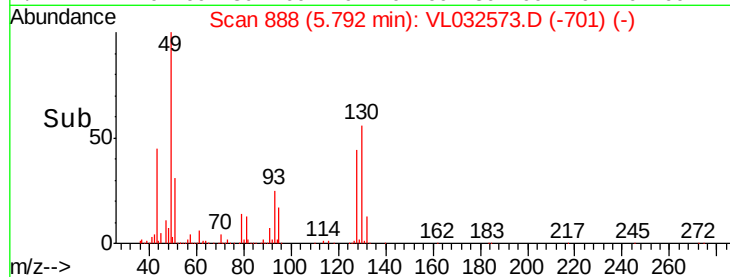
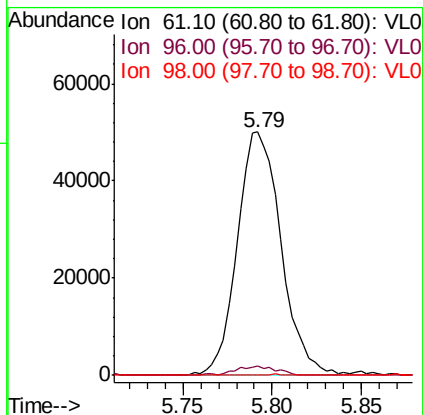
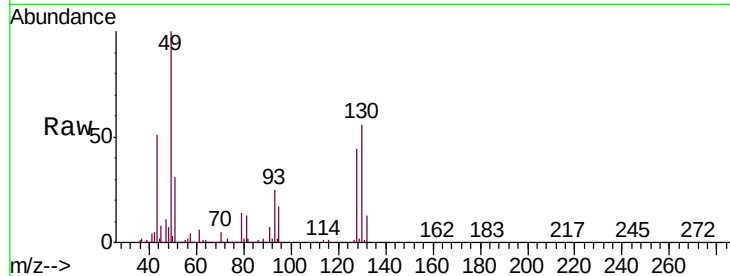
MSVOA_L

ClientSampleId :

KIA-1

Tgt Ion: 61 Resp: 85427

Ion	Ratio	Lower	Upper
61	100		
96	3.6	49.2	73.8#
98	0.0	30.7	46.1#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.33 min Scan# 1365

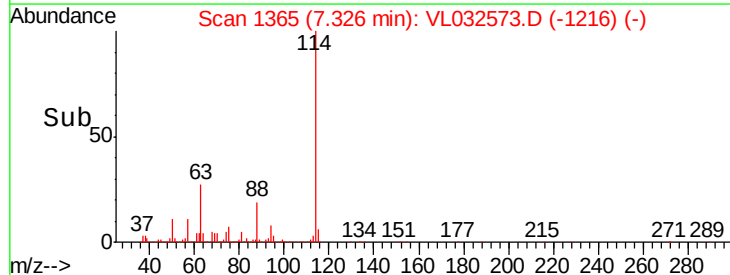
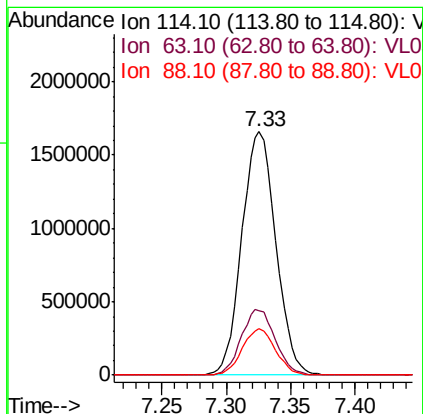
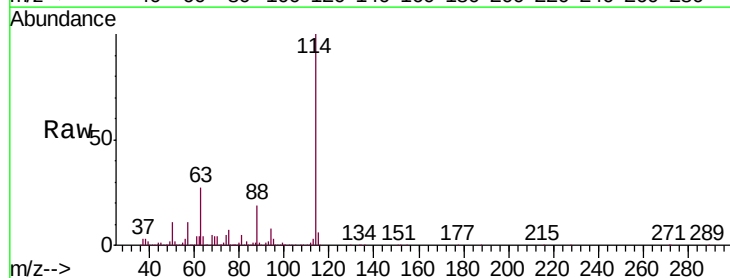
Delta R.T. -0.02 min

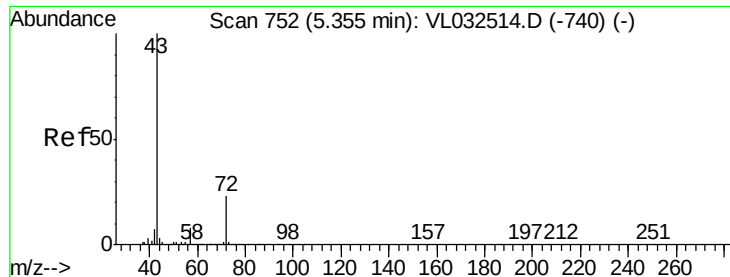
Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Tgt Ion: 114 Resp: 3049116

Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.2	33.4
88	18.7	15.0	22.4





#34

2-Butanone

Concen: 2.380 ppbv

RT: 5.36 min Scan# 753

Delta R.T. -0.01 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

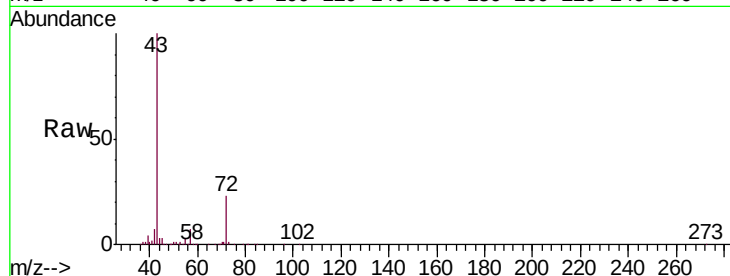
KIA-1

Tgt Ion: 43 Resp: 432083

Ion Ratio Lower Upper

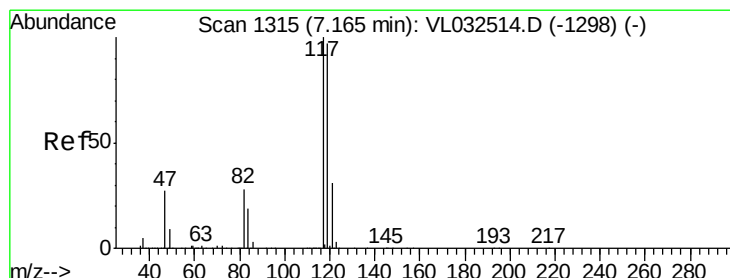
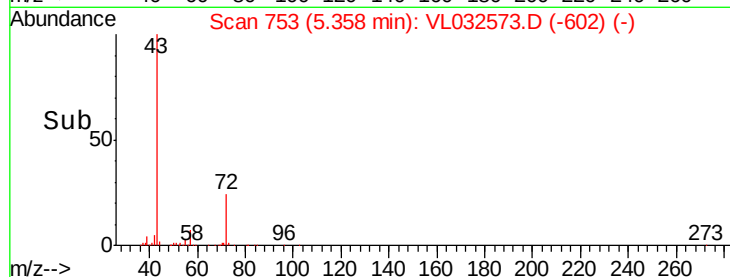
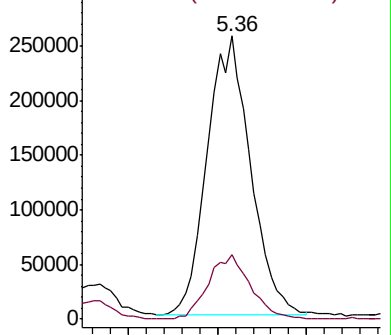
43 100

72 22.7 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.032 ppbv

RT: 7.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

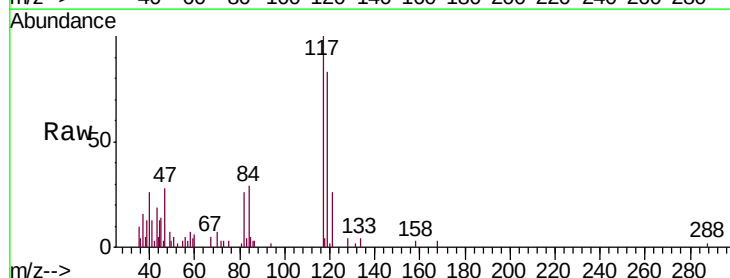
Tgt Ion: 117 Resp: 6842

Ion Ratio Lower Upper

117 100

119 79.5 76.6 115.0

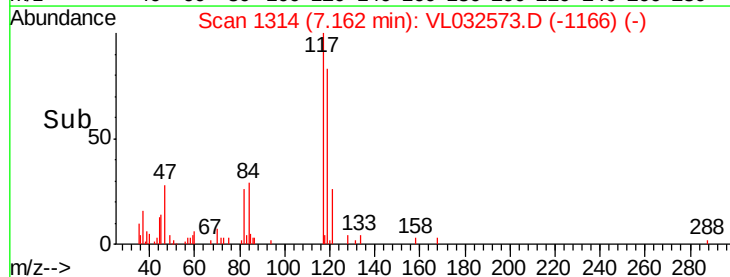
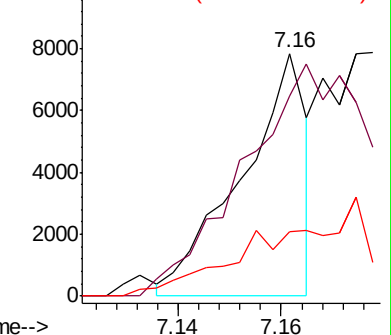
121 24.5 24.6 36.8#

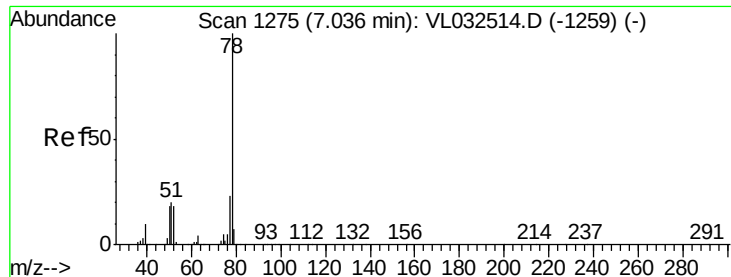


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#36

Benzene

Concen: 0.320 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

KIA-1

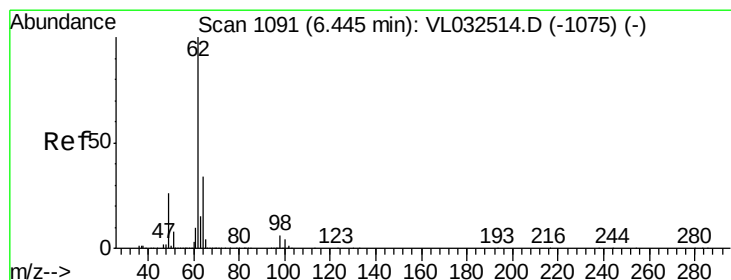
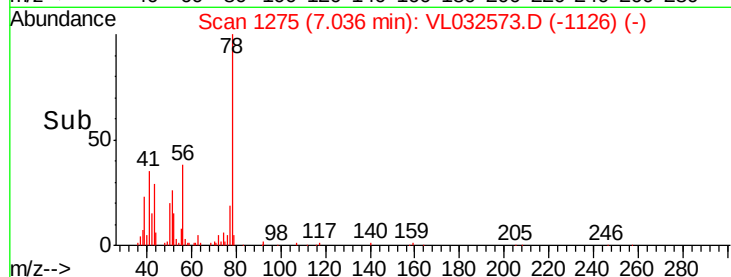
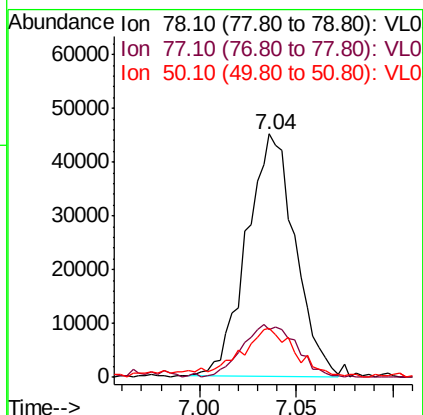
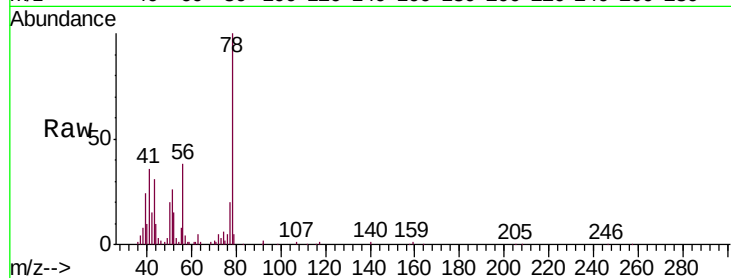
Tgt Ion: 78 Resp: 78776

Ion Ratio Lower Upper

78 100

77 19.3 18.4 27.6

50 17.6 14.4 21.6



#37

1,2-Dichloroethane

Concen: 0.116 ppbv

RT: 6.44 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VL032573.D

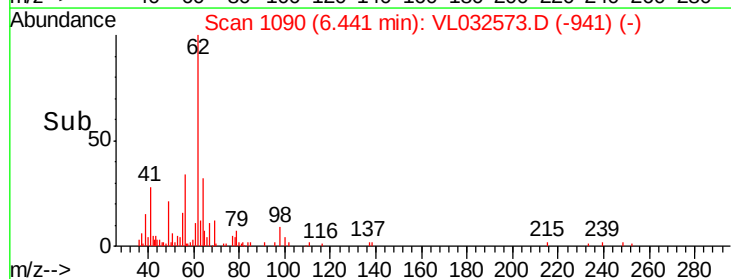
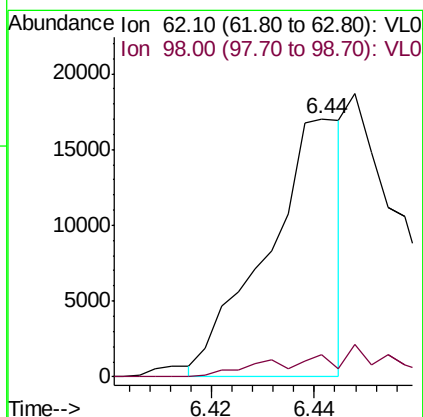
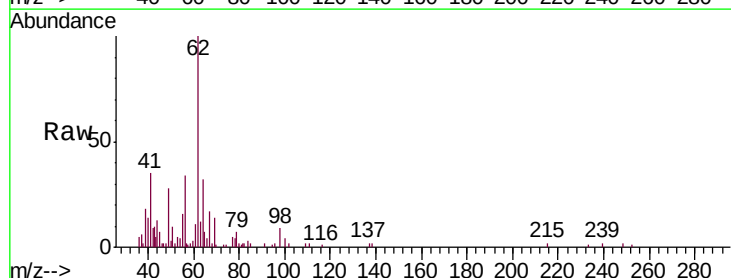
Acq: 28 Sep 2018 6:42

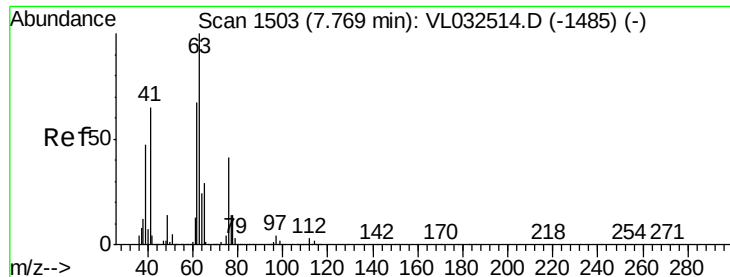
Tgt Ion: 62 Resp: 17202

Ion Ratio Lower Upper

62 100

98 0.0 5.0 7.6#





#39

1,2-Dichloropropane

Concen: 7.385 ppbv

RT: 7.32 min Scan# 1364

Delta R.T. -0.47 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

KIA-1

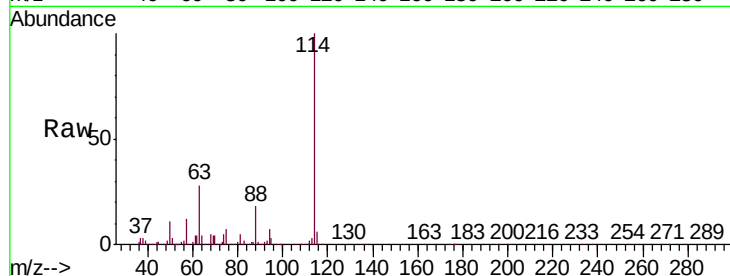
Tgt Ion: 63 Resp: 820029

Ion Ratio Lower Upper

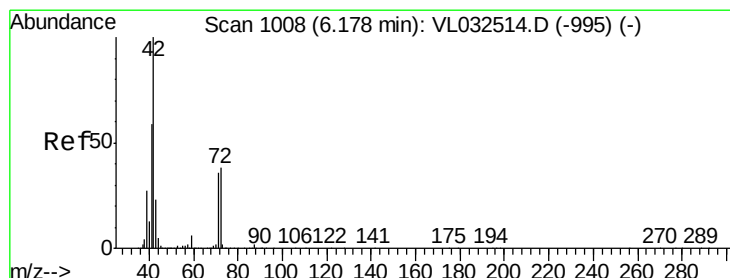
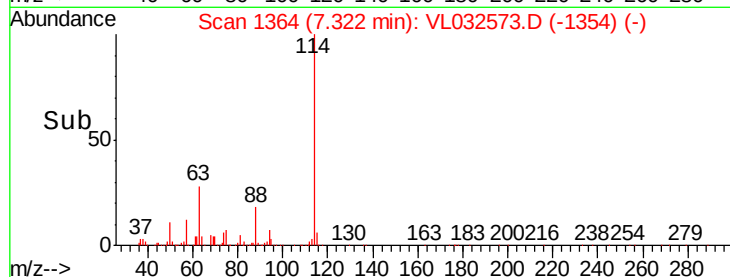
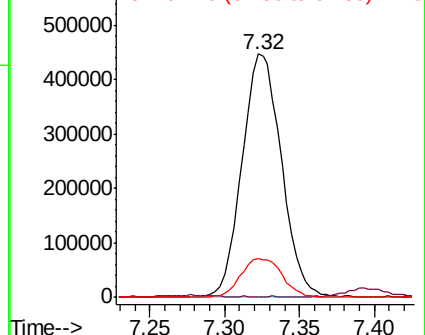
63 100

41 0.0 55.4 83.0#

62 16.0 55.4 83.0#



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: 0.170 ppbv

RT: 6.18 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

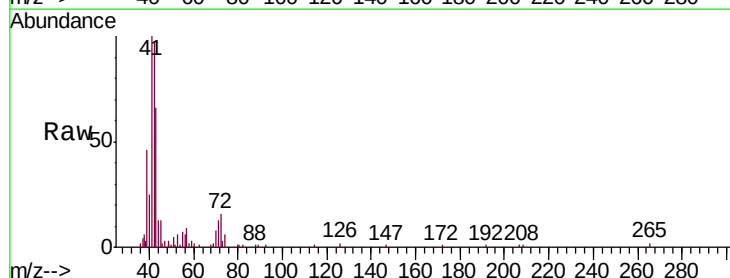
Tgt Ion: 42 Resp: 16797

Ion Ratio Lower Upper

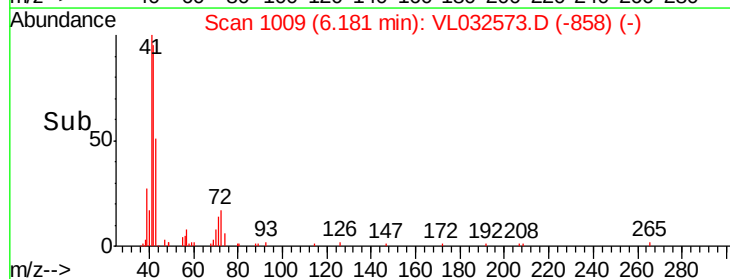
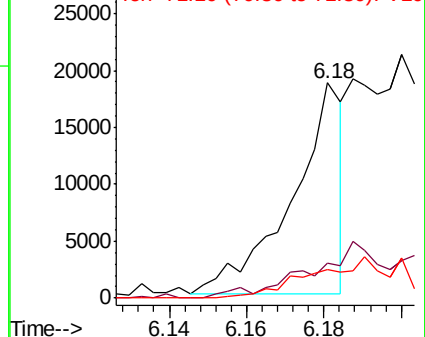
42 100

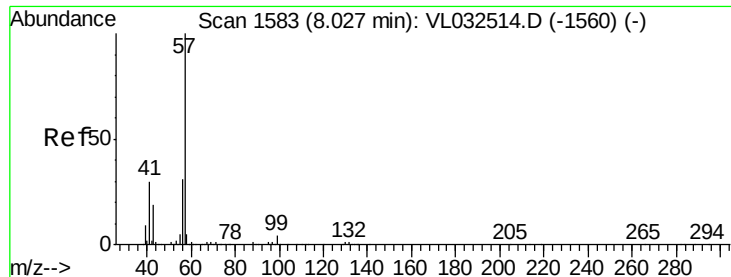
72 0.0 29.5 44.3#

71 0.0 28.3 42.5#



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

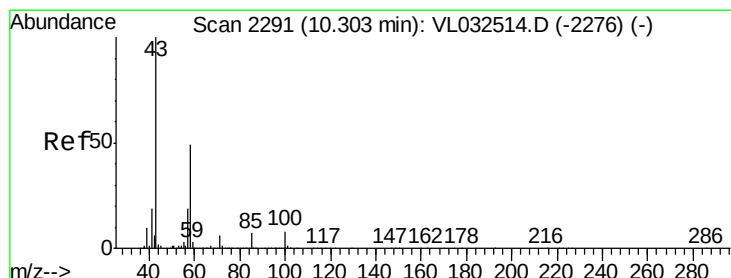
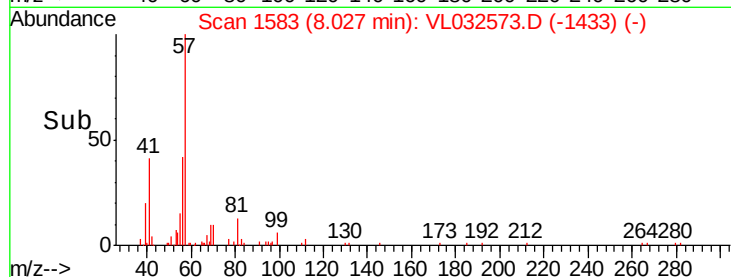
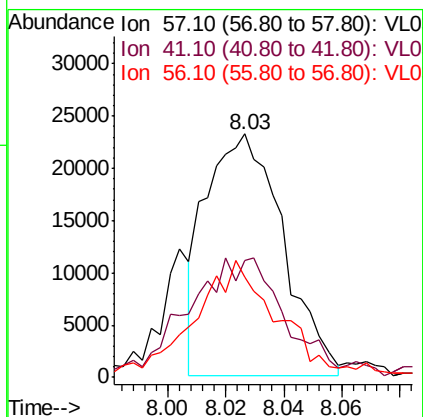
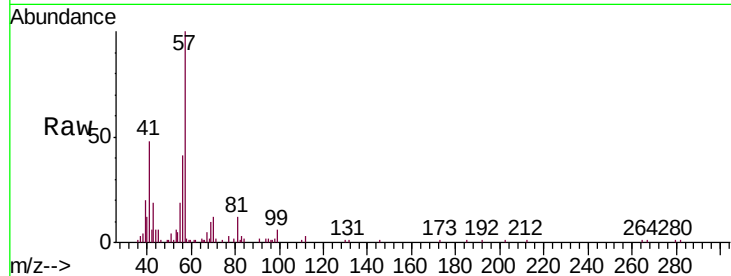




#44
 2,2,4-Trimethylpentane
 Concen: 0.089 ppbv
 RT: 8.03 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

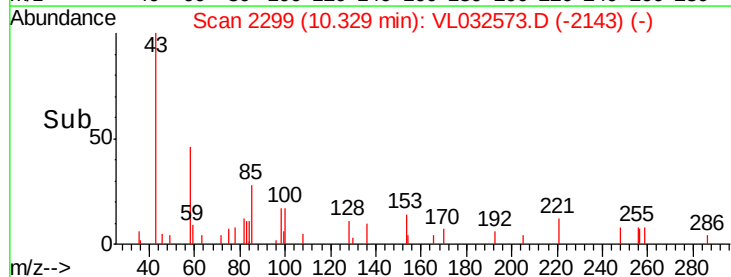
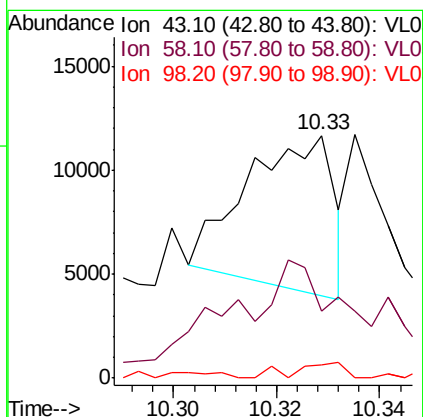
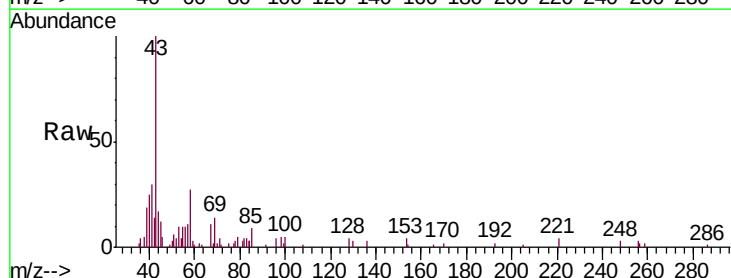
Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-1

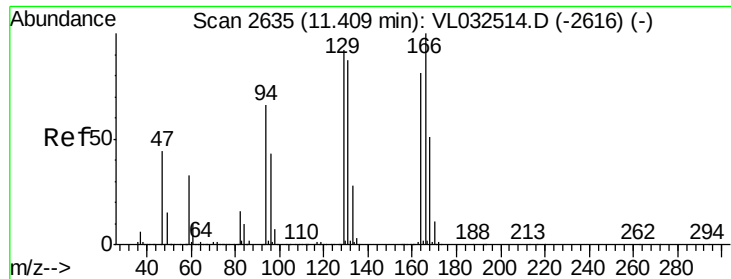
Tgt Ion: 57 Resp: 42698
 Ion Ratio Lower Upper
 57 100
 41 57.4 24.4 36.6#
 56 60.2 25.7 38.5#



#51
 2-Hexanone
 Concen: 0.036 ppbv
 RT: 10.33 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

Tgt Ion: 43 Resp: 8543
 Ion Ratio Lower Upper
 43 100
 58 141.0 39.2 58.8#
 98 8.7 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.337 ppbv

RT: 11.41 min Scan# 2635

Delta R.T. -0.02 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

KIA-1

Tgt Ion:164 Resp: 28883

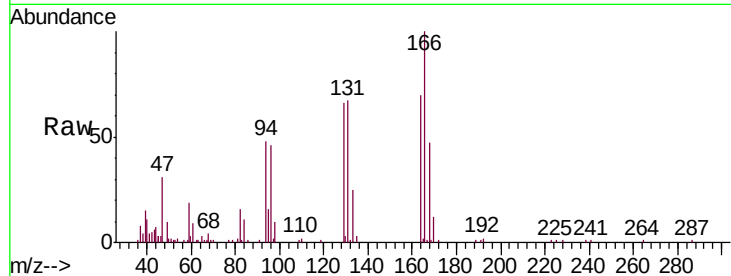
Ion Ratio Lower Upper

164 100

166 140.6 100.6 150.8

129 96.8 89.9 134.9

131 93.8 85.9 128.9

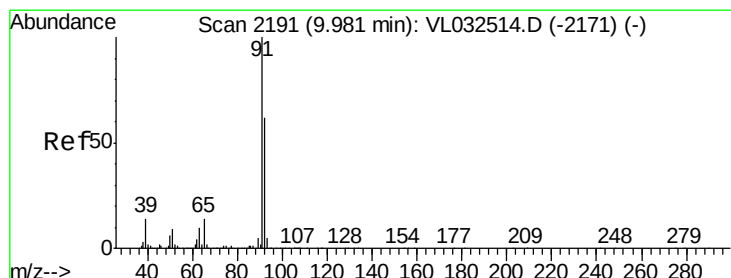
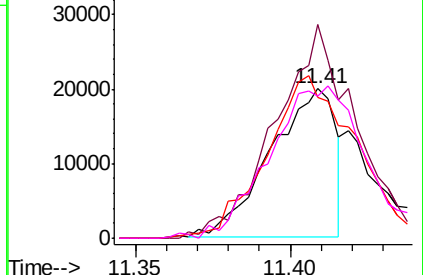
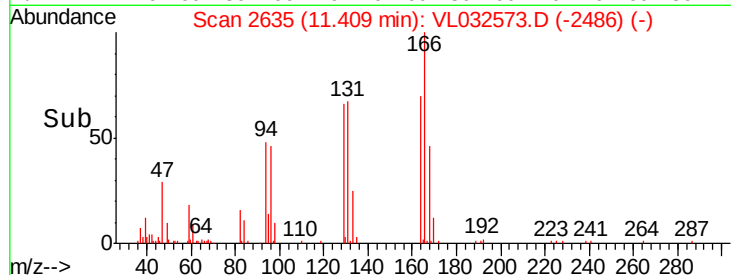


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.584 ppbv

RT: 9.98 min Scan# 2190

Delta R.T. -0.03 min

Lab File: VL032573.D

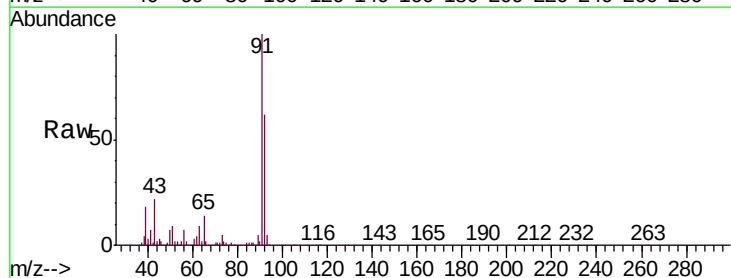
Acq: 28 Sep 2018 6:42

Tgt Ion: 91 Resp: 775814

Ion Ratio Lower Upper

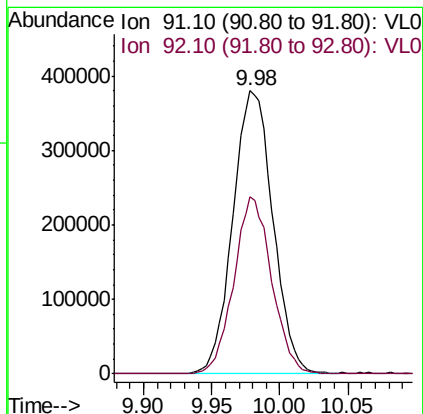
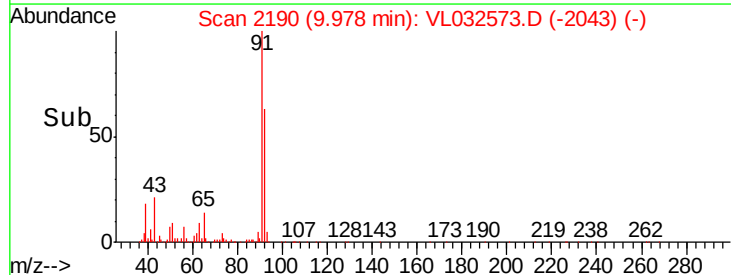
91 100

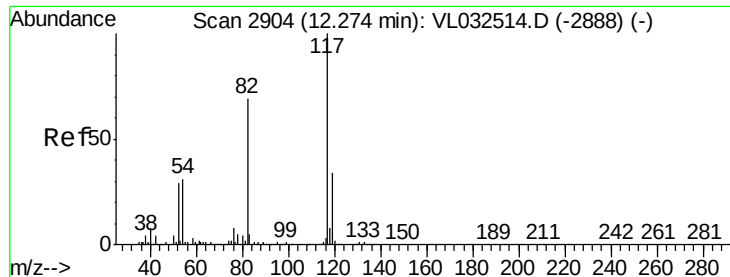
92 58.9 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

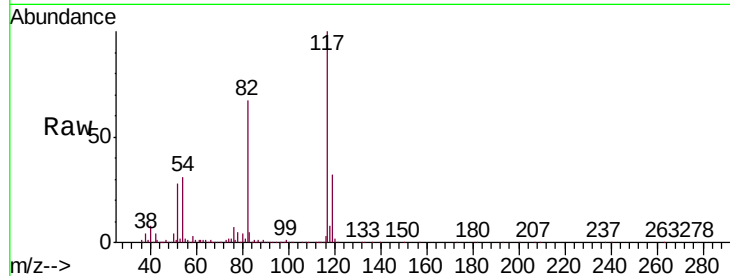




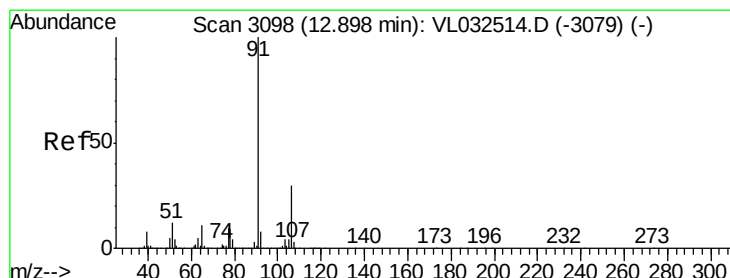
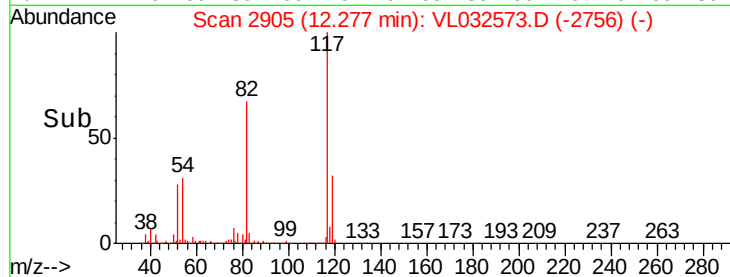
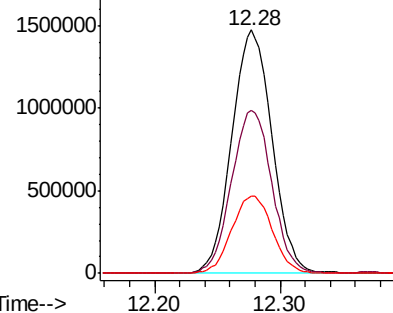
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.02 min
Lab File: VL032573.D
Acq: 28 Sep 2018 6:42

Instrument :
MSVOA_L
ClientSampleId :
KIA-1

Tgt Ion: 117 Resp: 3277011
Ion Ratio Lower Upper
117 100
82 67.3 53.0 79.6
119 32.3 45.9 68.9#

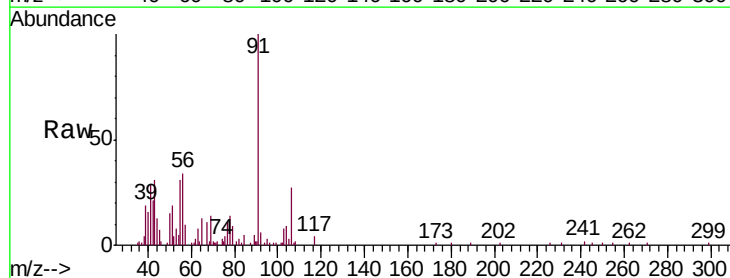


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

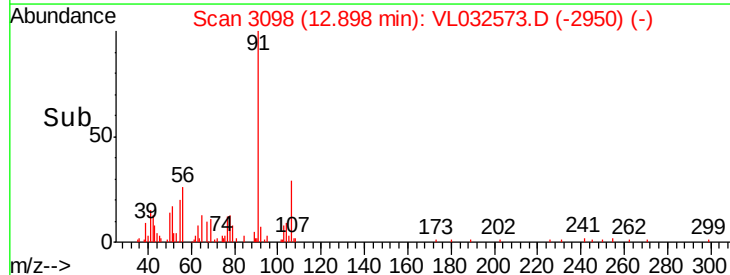
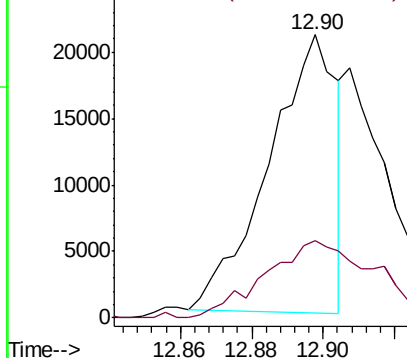


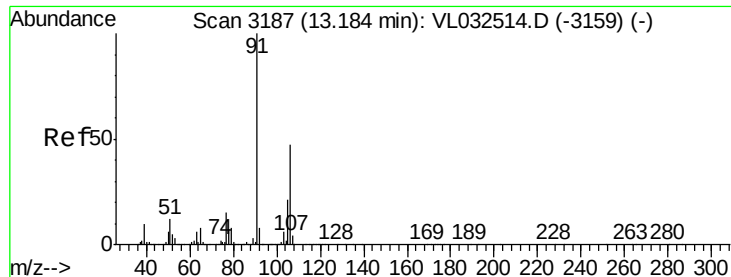
#58
Ethyl Benzene
Concen: 0.069 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032573.D
Acq: 28 Sep 2018 6:42

Tgt Ion: 91 Resp: 27536
Ion Ratio Lower Upper
91 100
106 28.1 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
25000 Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.517 ppbv

RT: 13.15 min Scan# 3178

Delta R.T. -0.05 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

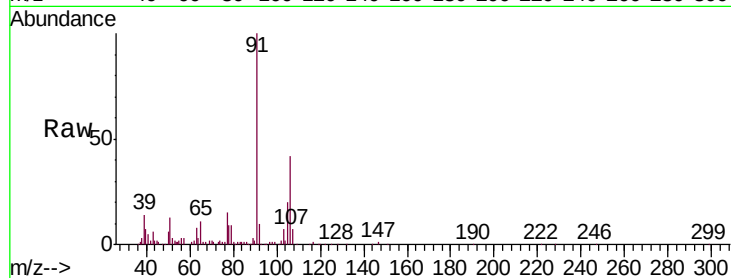
KIA-1

Tgt Ion: 91 Resp: 182715

Ion Ratio Lower Upper

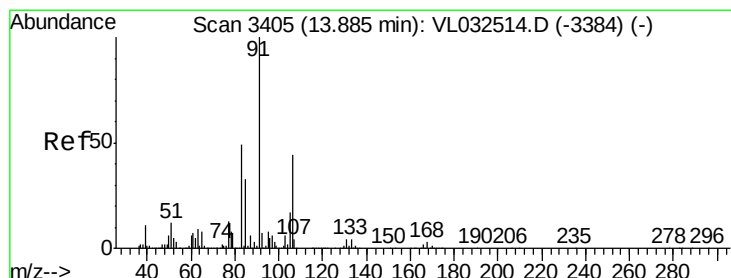
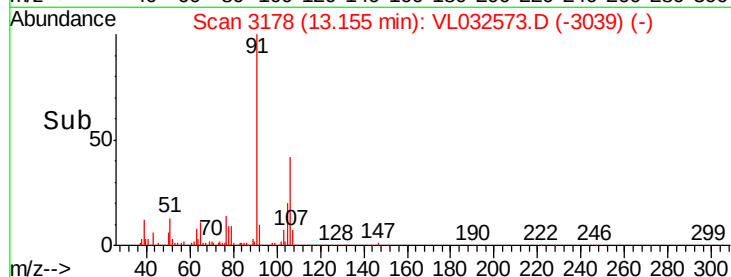
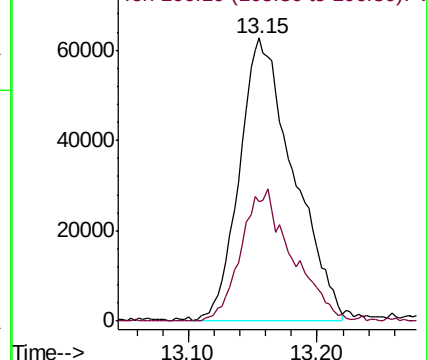
91 100

106 44.4 36.6 55.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.224 ppbv

RT: 13.88 min Scan# 3405

Delta R.T. -0.02 min

Lab File: VL032573.D

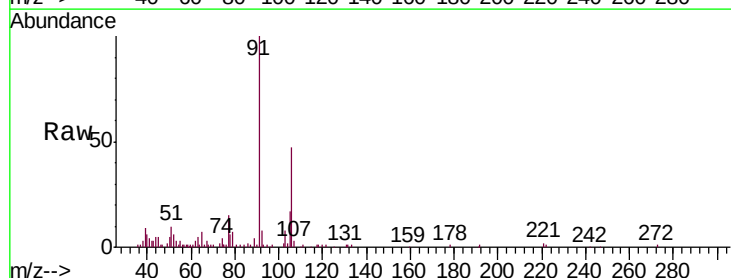
Acq: 28 Sep 2018 6:42

Tgt Ion: 91 Resp: 77078

Ion Ratio Lower Upper

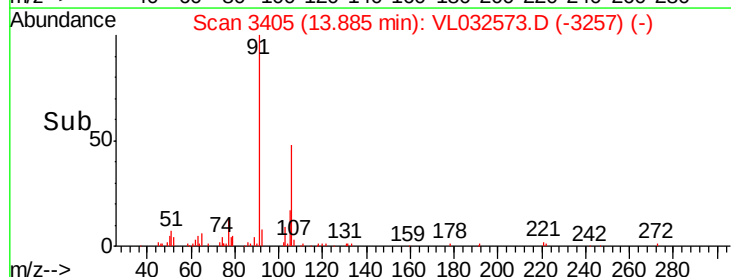
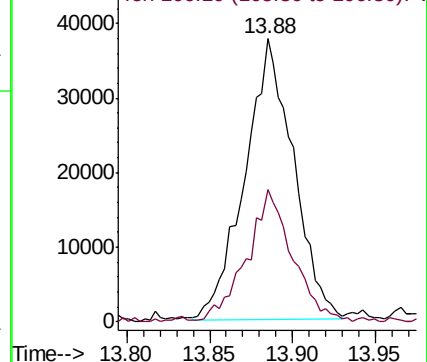
91 100

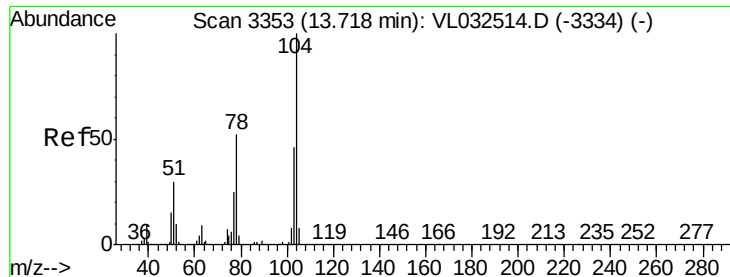
106 45.2 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.071 ppbv

RT: 13.73 min Scan# 3356

Delta R.T. -0.01 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

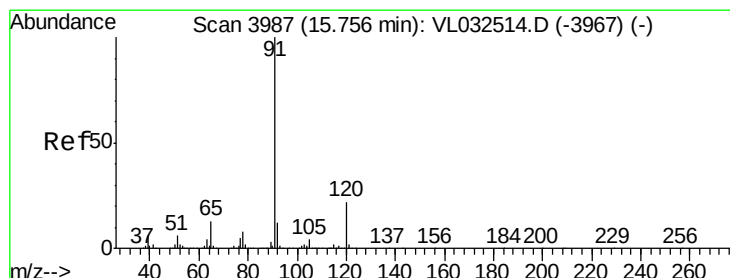
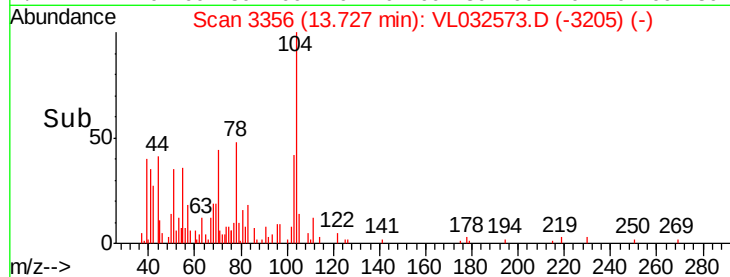
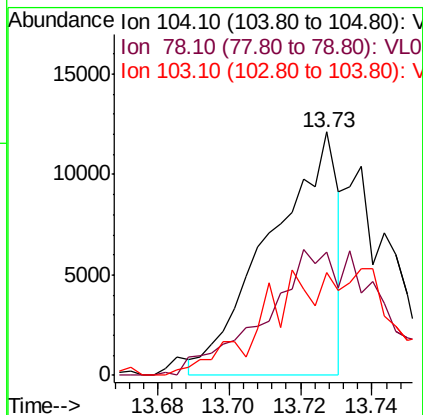
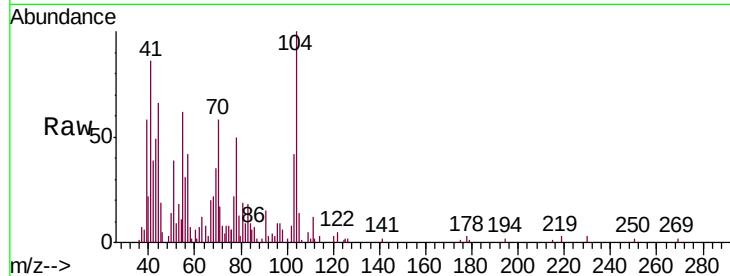
MSVOA_L

ClientSampleId :

KIA-1

Tgt Ion:104 Resp: 15941

Ion	Ratio	Lower	Upper
104	100		
78	90.9	41.8	62.8#
103	0.0	38.0	57.0#



#64

n-propylbenzene

Concen: 0.197 ppbv

RT: 15.76 min Scan# 3989

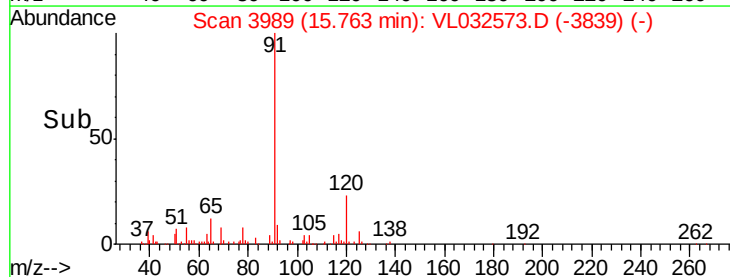
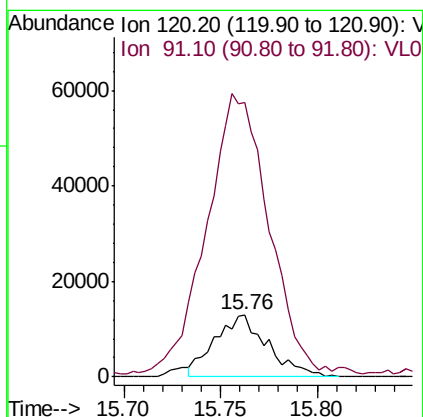
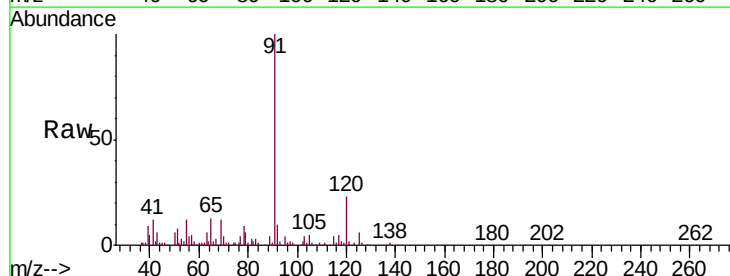
Delta R.T. -0.02 min

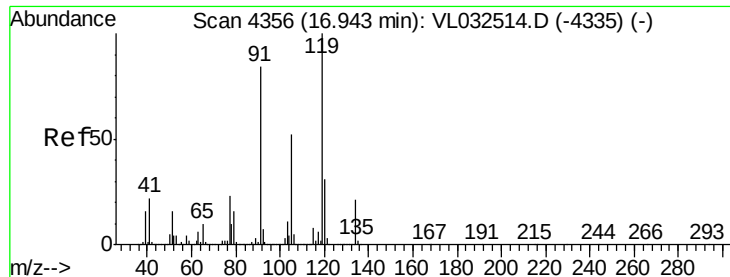
Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Tgt Ion:120 Resp: 24684

Ion	Ratio	Lower	Upper
120	100		
91	535.5	381.8	572.6

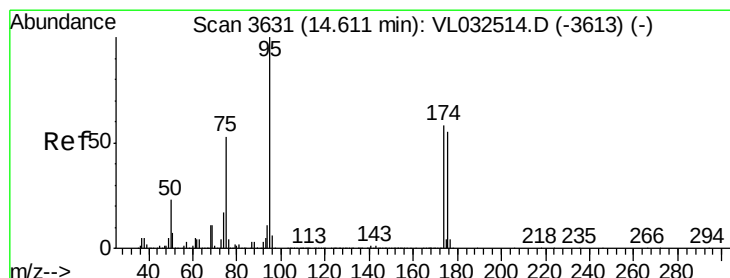
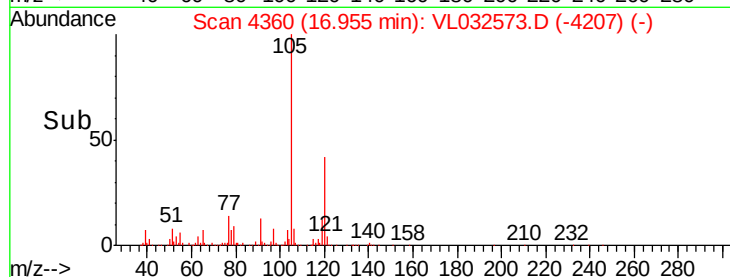
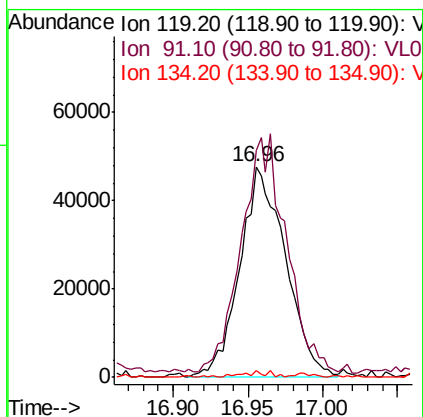
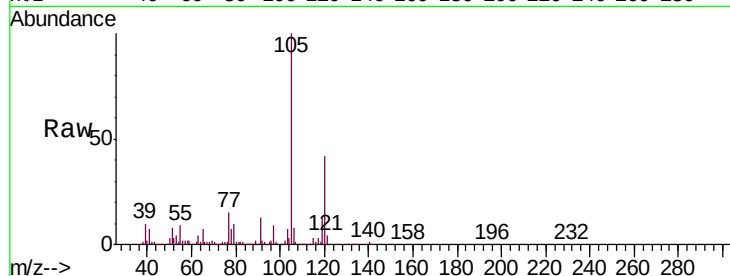




#65
 tert-Butylbenzene
 Concen: 0.244 ppbv
 RT: 16.96 min Scan# 4360
 Delta R.T. -0.01 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

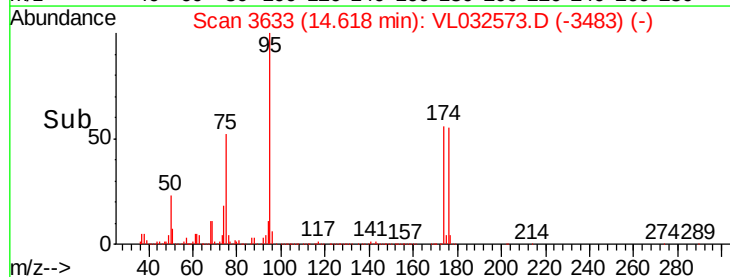
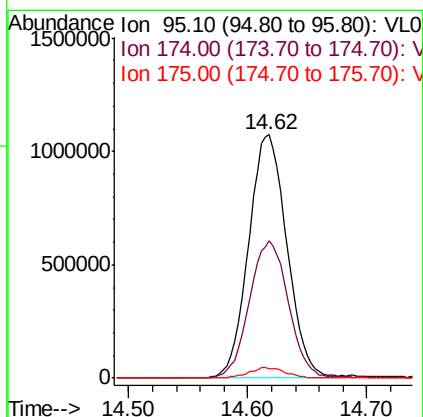
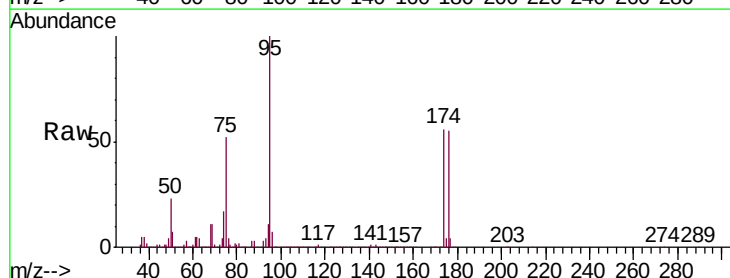
Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-1

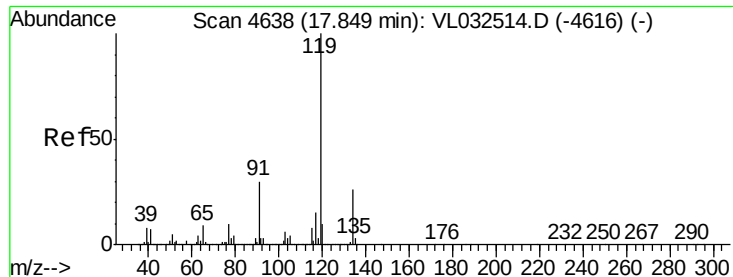
Tgt Ion: 119 Resp: 101858
 Ion Ratio Lower Upper
 119 100
 91 112.4 66.5 99.7#
 134 2.8 16.0 24.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.685 ppbv
 RT: 14.62 min Scan# 3633
 Delta R.T. -0.02 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

Tgt Ion: 95 Resp: 2393316
 Ion Ratio Lower Upper
 95 100
 174 58.1 46.3 69.5
 175 4.2 3.4 5.0





#69

p-Isopropyltoluene

Concen: 0.191 ppbv

RT: 17.85 min Scan# 4638

Delta R.T. -0.02 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampleId :

KIA-1

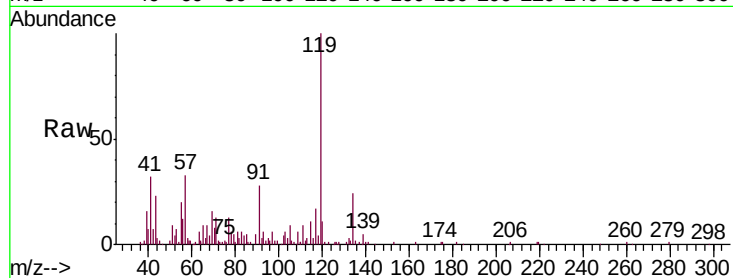
Tgt Ion:119 Resp: 91731

Ion Ratio Lower Upper

119 100

134 26.4 20.4 30.6

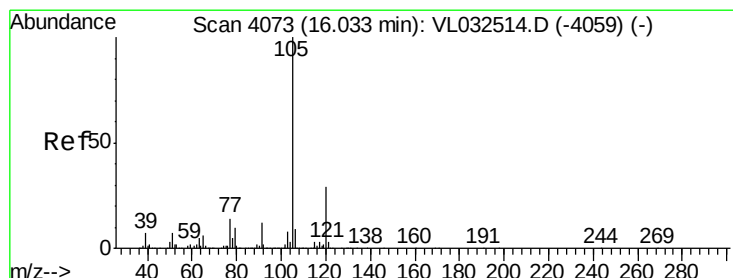
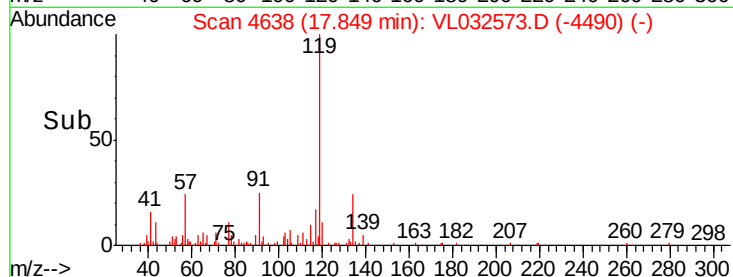
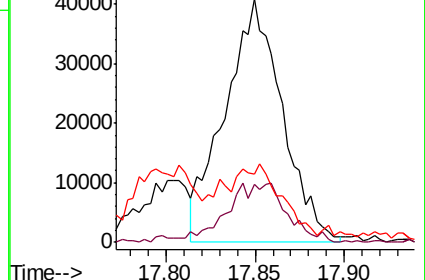
91 27.4 23.4 35.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0



#72

4-Ethyltoluene

Concen: 0.467 ppbv

RT: 16.04 min Scan# 4075

Delta R.T. -0.02 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Tgt Ion:105 Resp: 174471

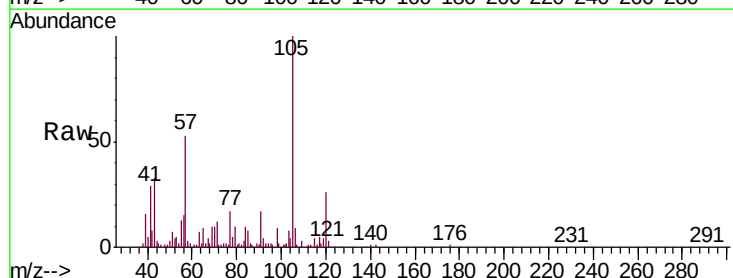
Ion Ratio Lower Upper

105 100

120 28.7 23.5 35.3

91 16.0 10.2 15.2#

77 17.0 11.1 16.7#

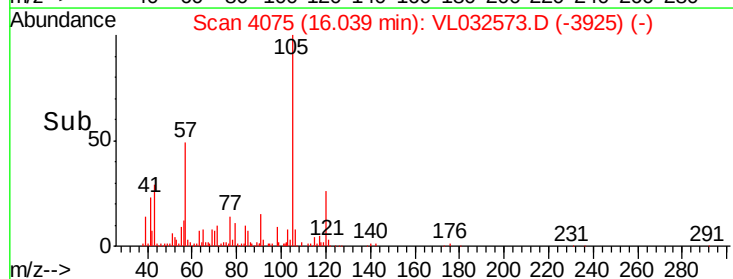
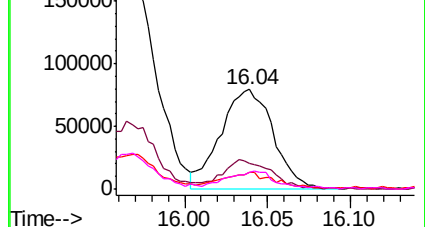


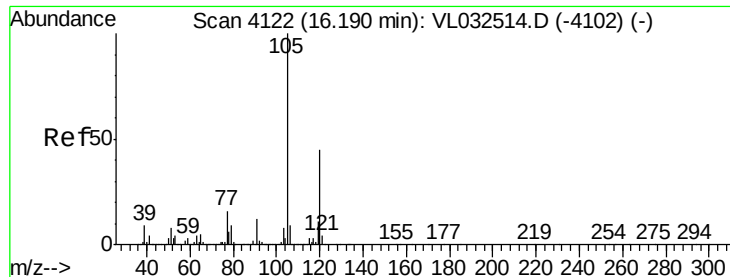
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 0.735 ppbv

RT: 16.20 min Scan# 4124

Delta R.T. -0.02 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Instrument :

MSVOA_L

ClientSampled :

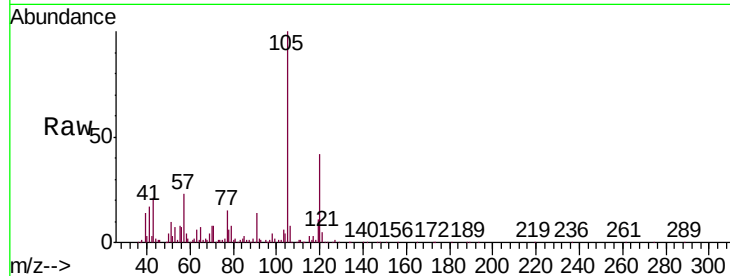
KIA-1

Tgt Ion:105 Resp: 267036

Ion Ratio Lower Upper

105 100

120 41.5 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.20

150000

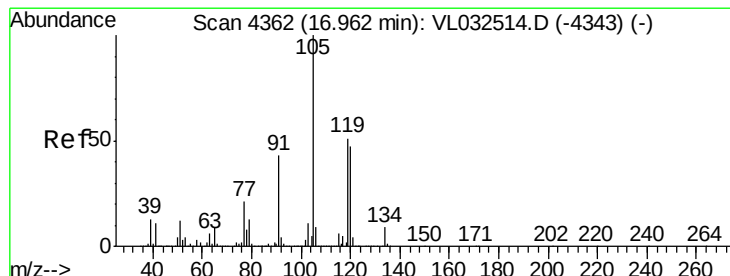
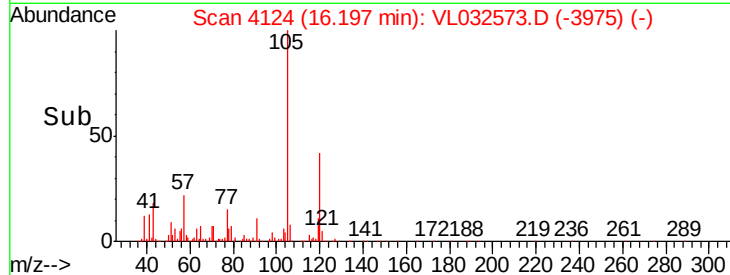
100000

50000

0

Time-->

16.15 16.20 16.25



#74

1,2,4-Trimethylbenzene

Concen: 2.328 ppbv

RT: 16.96 min Scan# 4361

Delta R.T. -0.02 min

Lab File: VL032573.D

Acq: 28 Sep 2018 6:42

Tgt Ion:105 Resp: 910440

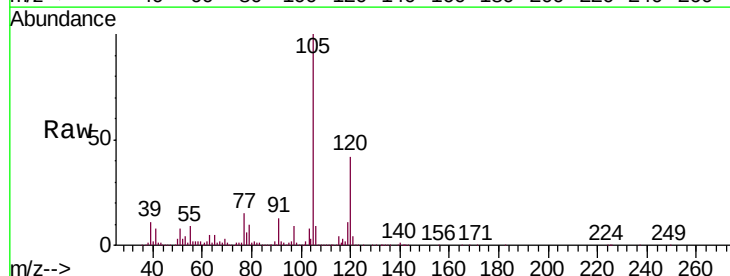
Ion Ratio Lower Upper

105 100

120 41.9 37.8 56.8

91 12.8 41.4 62.0#

77 15.2 18.6 28.0#



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

600000

500000

400000

300000

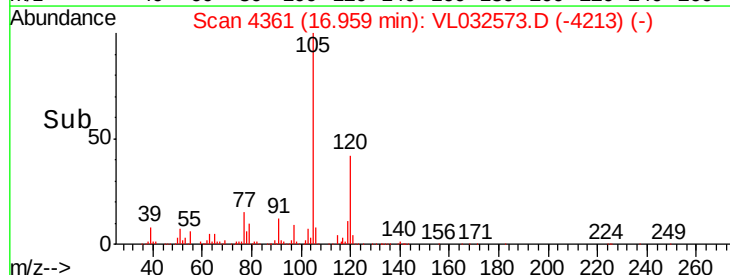
200000

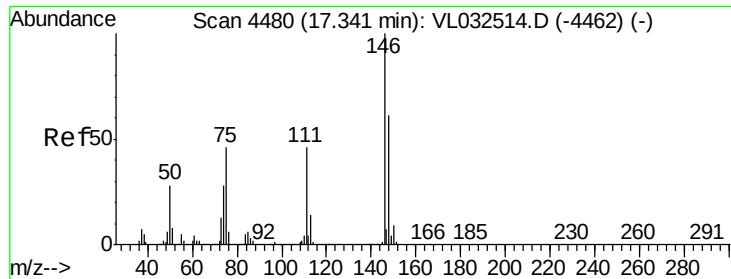
100000

0

Time-->

16.90 17.00

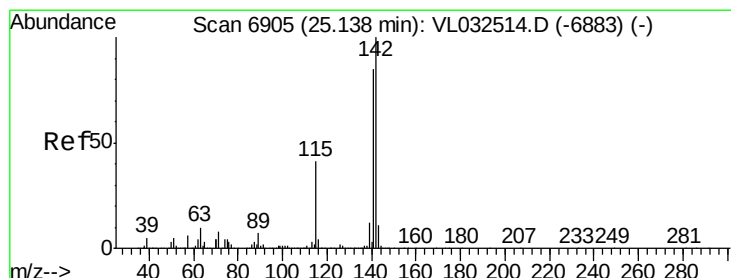
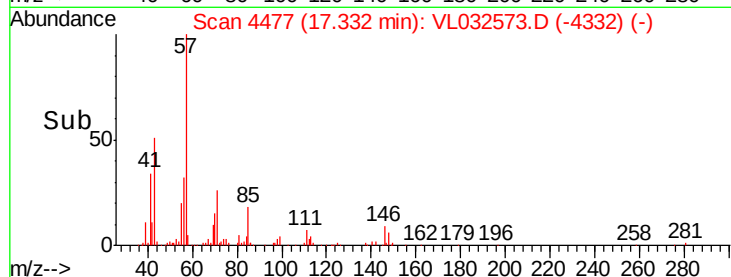
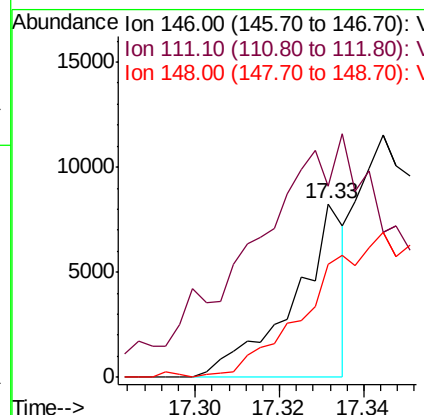
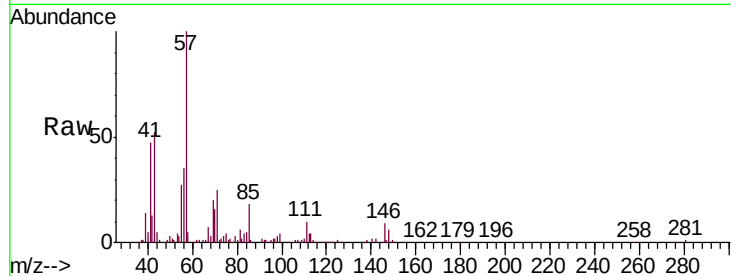




#76
 1,4-Dichlorobenzene
 Concen: 0.031 ppbv
 RT: 17.33 min Scan# 4477
 Delta R.T. -0.03 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-1

Tgt Ion:146 Resp: 6906
 Ion Ratio Lower Upper
 146 100
 111 461.1 23.4 70.2#
 148 0.0 32.0 96.2#



#80
 Naphthalene, 2-methyl-
 Concen: 0.092 ppbv
 RT: 25.14 min Scan# 6907
 Delta R.T. -0.01 min
 Lab File: VL032573.D
 Acq: 28 Sep 2018 6:42

Tgt Ion:142 Resp: 6085
 Ion Ratio Lower Upper
 142 100
 141 79.2 67.0 100.6
 115 63.8 31.3 46.9#

