

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033938.D
 Acq On : 24 Jun 2019 15:59
 Operator : SY/AP
 Sample : K3481-04DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-B-2DUP

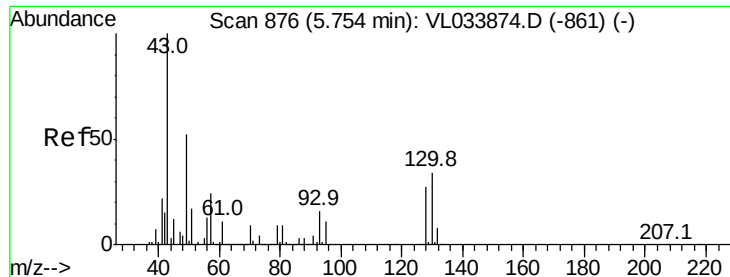
Quant Time: Jun 25 03:38:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	892169	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.27	114	2503824	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	2606059	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.55	95	2100479	9.81	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	45460	0.314	ppbv	94
3) Chlorodifluoromethane	3.01	51	186765	1.778	ppbv #	87
4) Chloromethane	3.17	50	38443	0.642	ppbv	100
7) Chloroethane	3.59	64	1176	0.053	ppbv #	78
9) Propene	3.04	41	69989	1.781	ppbv #	70
10) Heptane	8.22	43	25293	0.255	ppbv	99
11) Trichlorofluoromethane	3.98	101	26307	0.141	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.53	101	4407	0.035	ppbv #	12
13) Ethanol	3.64	45	263844	20.635	ppbv	97
15) Acetone	3.89	43	780506	5.998	ppbv	95
16) 1,3-Butadiene	3.33	39	7740	0.156	ppbv #	33
17) tert-Butyl alcohol	4.36	59	74125	0.729	ppbv	96
19) Isopropyl Alcohol	4.02	45	97217	1.308	ppbv #	1
20) Methylene Chloride	4.39	84	98558	1.942	ppbv	97
21) Allyl Chloride	4.35	41	28159	0.381	ppbv #	84
23) Vinyl Acetate	5.13	43	40984	0.271	ppbv #	1
25) Ethyl Acetate	5.76	43	153609	0.775	ppbv #	81
26) Hexane	5.76	57	206008	2.283	ppbv #	42
27) Carbon Disulfide	4.61	76	5443	0.043	ppbv #	9
34) 2-Butanone	5.31	43	275477	1.950	ppbv	98
35) Carbon Tetrachloride	7.11	117	12498	0.065	ppbv	91
36) Benzene	6.98	78	19973	0.104	ppbv	98
39) 1,2-Dichloropropane	7.27	63	597740	8.097	ppbv #	25
41) Tetrahydrofuran	6.14	42	7673	0.107	ppbv #	14
51) 2-Hexanone	10.22	43	81190	0.494	ppbv #	37
52) Tetrachloroethene	11.34	164	5622	0.084	ppbv #	67
53) Toluene	9.92	91	2229455	10.533	ppbv	99
57) Chlorobenzene	12.27	112	11895	0.061	ppbv #	53
58) Ethyl Benzene	12.83	91	1142804	3.890	ppbv	96
59) m/p-Xylene	13.09	91	4367734	16.347	ppbv	96
60) o-Xylene	13.82	91	1507260	5.464	ppbv	99
62) Isopropylbenzene	14.79	105	26191	0.070	ppbv	93
64) n-propylbenzene	15.69	120	11853	0.124	ppbv	78
71) 2-Chlorotoluene	15.90	91	11114	0.041	ppbv	82
72) 4-Ethyltoluene	15.97	105	60328	0.192	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.13	105	64465	0.208	ppbv	99
74) 1,2,4-Trimethylbenzene	16.90	105	200284	0.562	ppbv #	75

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 872

Delta R.T. -0.01 min

Lab File: VL033938.D

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TZC-SSDS-AREA-B-2DUP

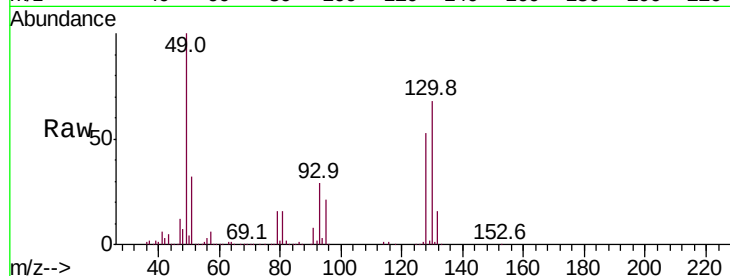
Tot Ion: 49 Resp: 892169

Ion Ratio Lower Upper

49 100

128 53.2 25.5 76.5

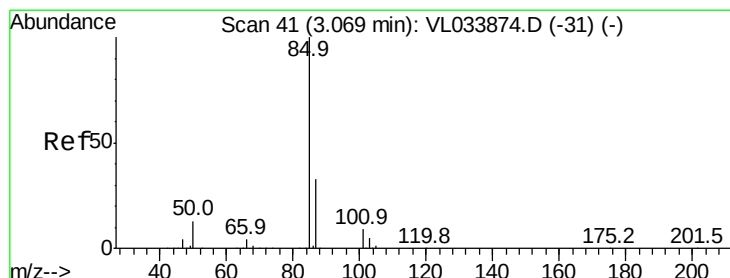
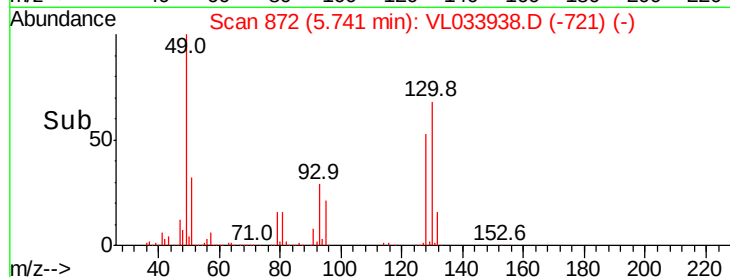
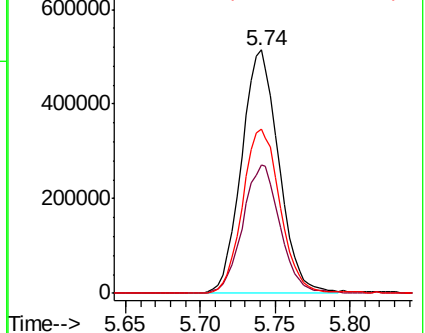
130 68.7 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.314 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033938.D

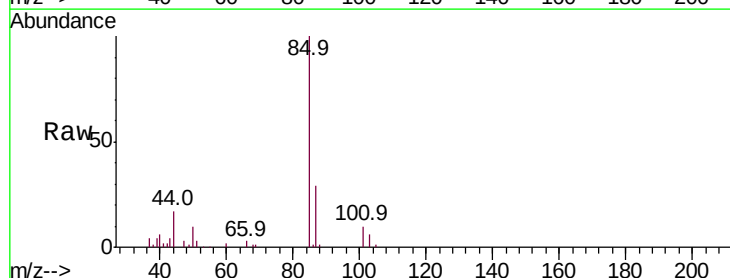
Acq: 24 Jun 2019 15:59

Tgt Ion: 85 Resp: 45460

Ion Ratio Lower Upper

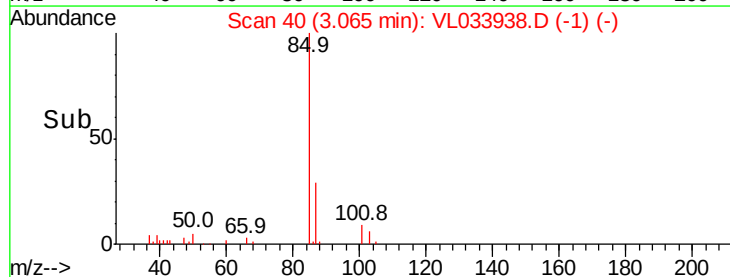
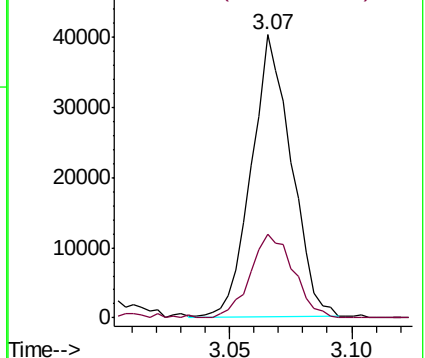
85 100

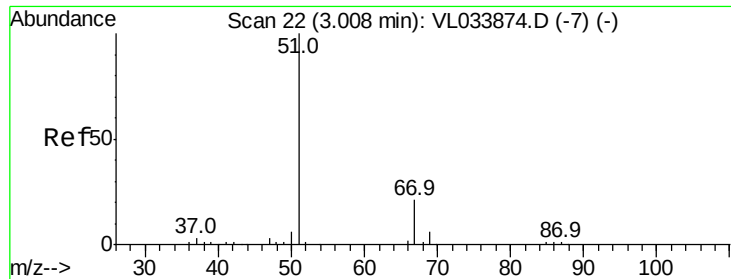
87 29.6 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.778 ppbv

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

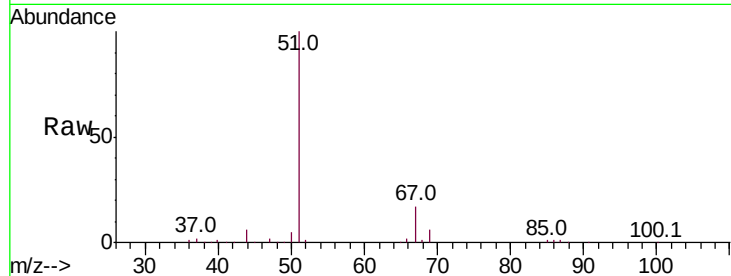
TZC-SSDS-AREA-B-2DUP

Tot Ion: 51 Resp: 186765

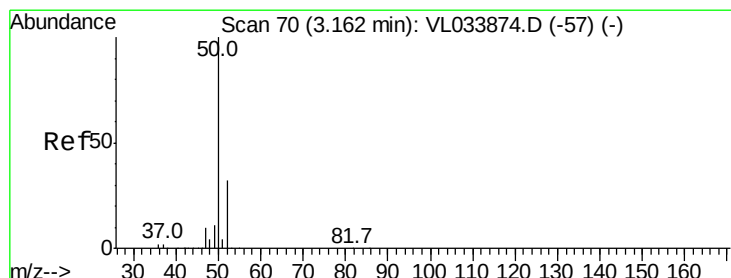
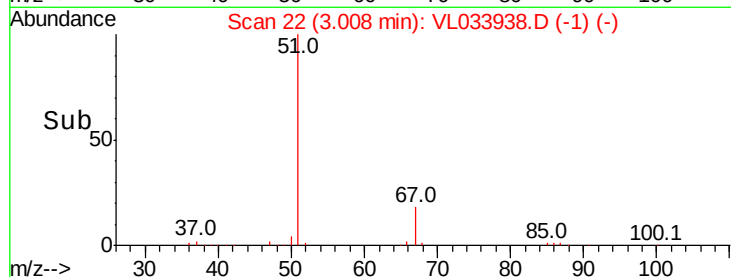
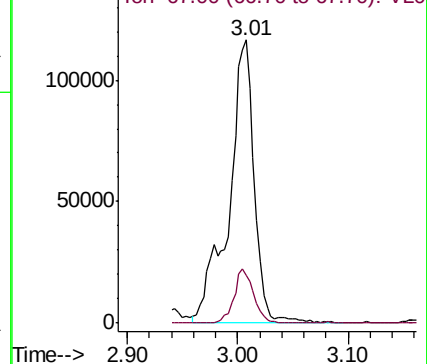
Ion Ratio Lower Upper

51 100

67 14.7 16.4 24.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.642 ppbv

RT: 3.17 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL033938.D

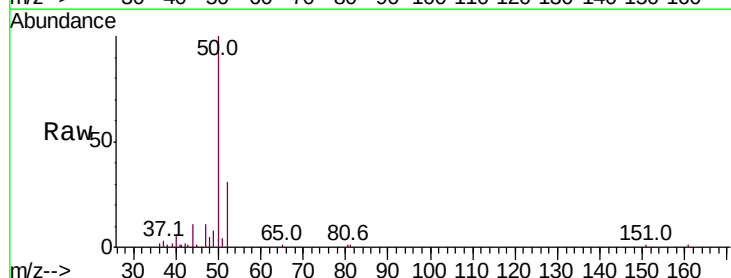
Acq: 24 Jun 2019 15:59

Tgt Ion: 50 Resp: 38443

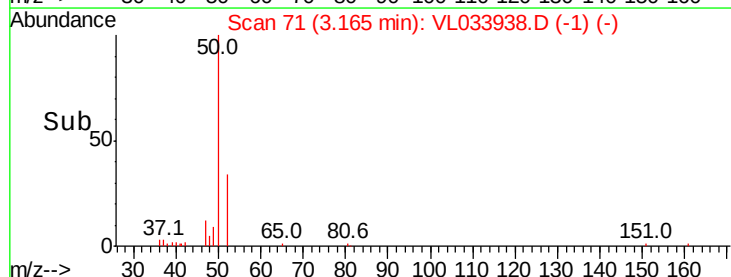
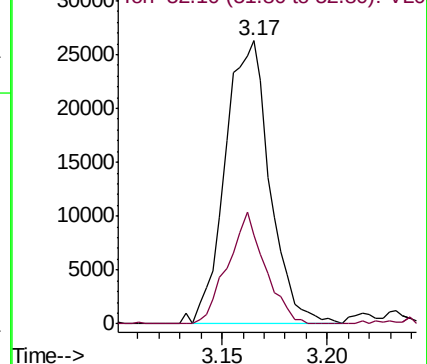
Ion Ratio Lower Upper

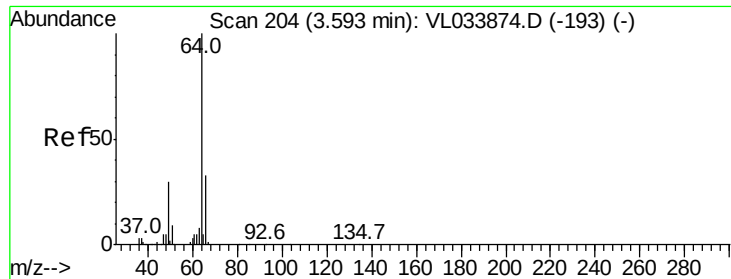
50 100

52 31.4 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.053 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

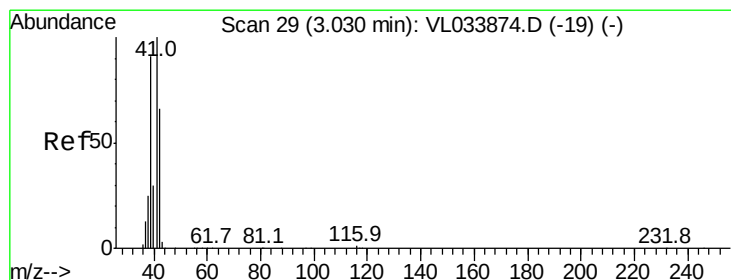
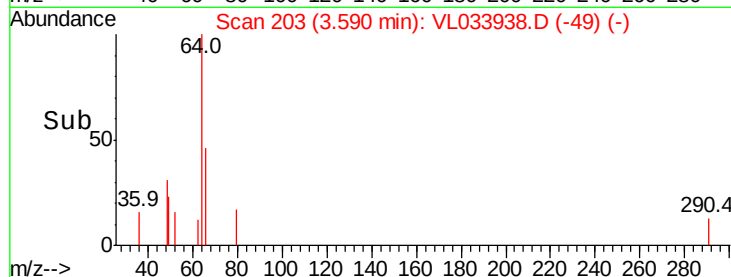
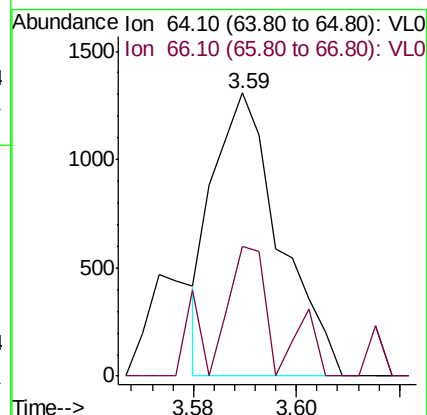
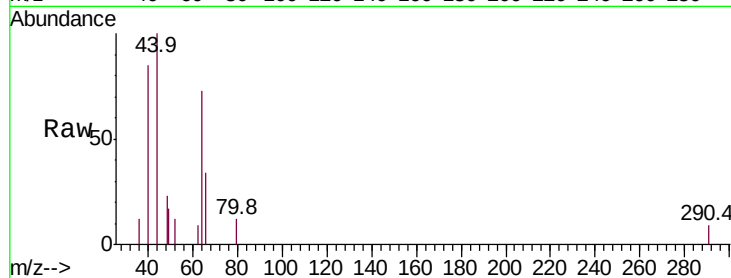
TZC-SSDS-AREA-B-2DUP

Tot Ion: 64 Resp: 1176

Ion Ratio Lower Upper

64 100

66 46.0 26.7 40.1#



#9

Propene

Concen: 1.781 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.01 min

Lab File: VL033938.D

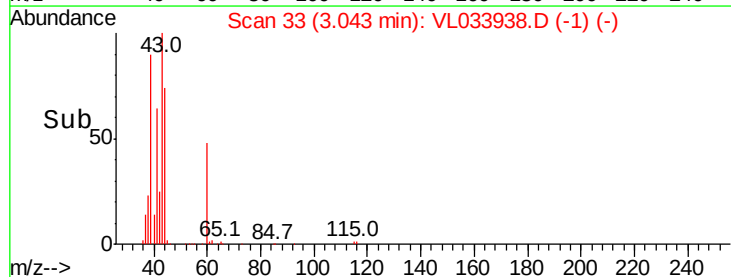
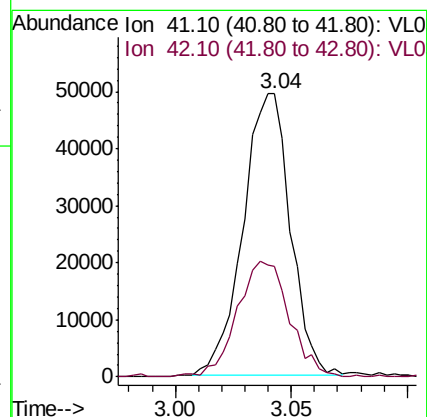
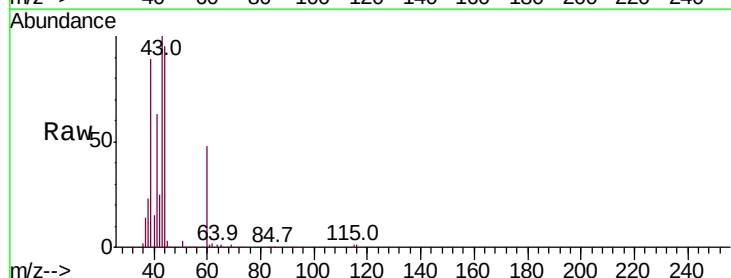
Acq: 24 Jun 2019 15:59

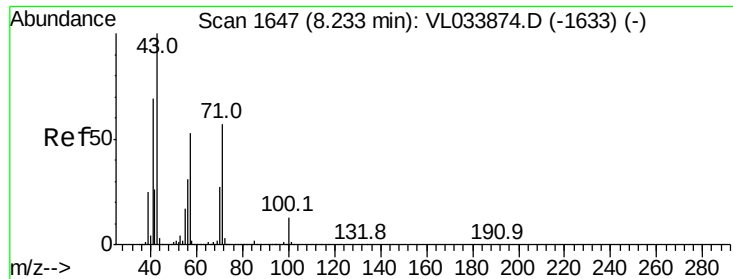
Tgt Ion: 41 Resp: 69989

Ion Ratio Lower Upper

41 100

42 45.4 56.3 84.5#





#10

Heptane

Concen: 0.255 ppbv

RT: 8.22 min Scan# 1643

Delta R.T. -0.01 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

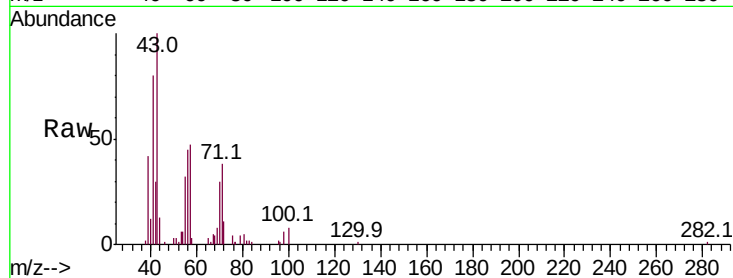
TZC-SSDS-AREA-B-2DUP

Tot Ion: 43 Resp: 25293

Ion Ratio Lower Upper

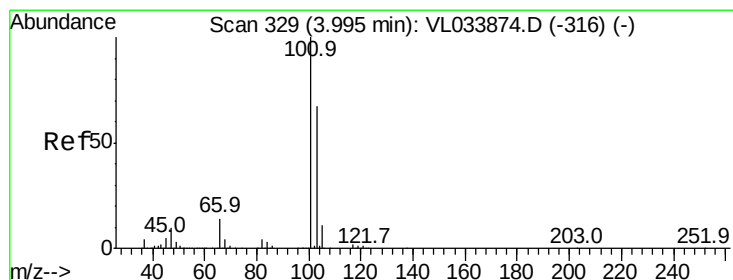
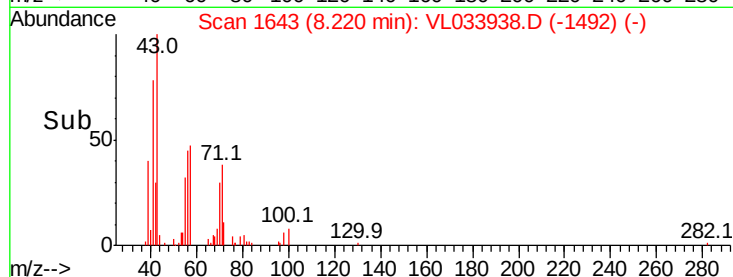
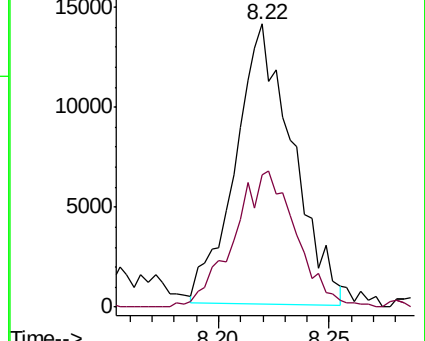
43 100

57 52.9 41.7 62.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 0.141 ppbv

RT: 3.98 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL033938.D

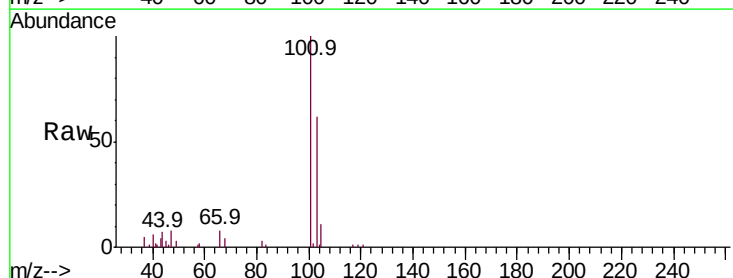
Acq: 24 Jun 2019 15:59

Tgt Ion: 101 Resp: 26307

Ion Ratio Lower Upper

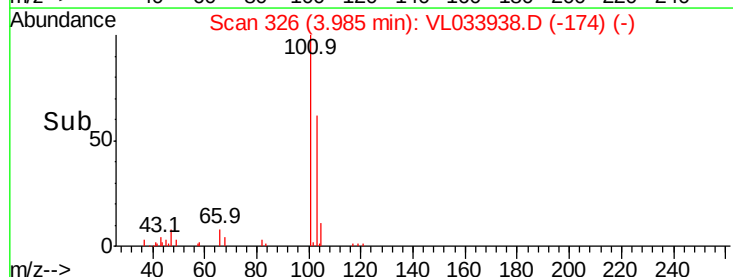
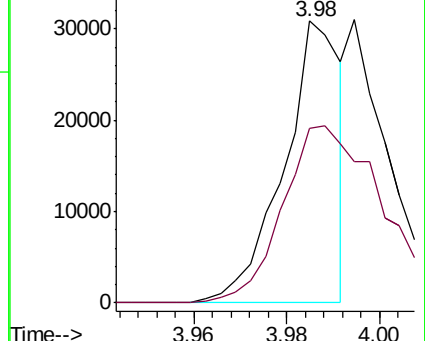
101 100

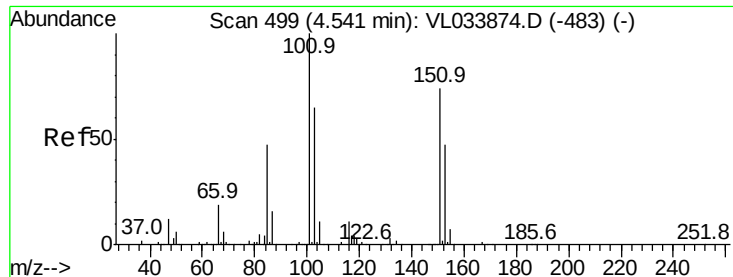
103 61.8 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.035 ppbv

RT: 4.53 min Scan# 497

Delta R.T. -0.01 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

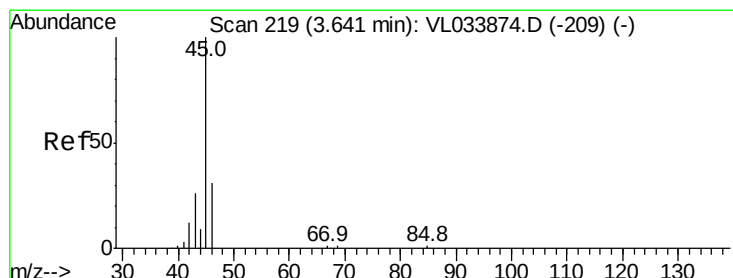
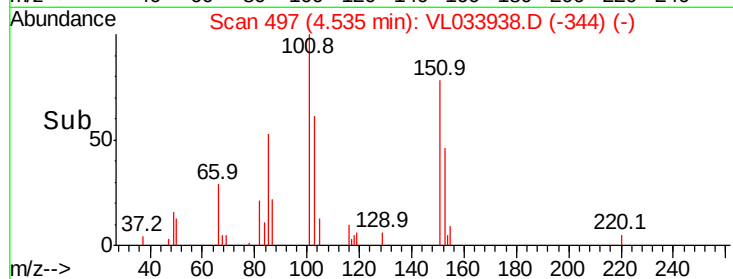
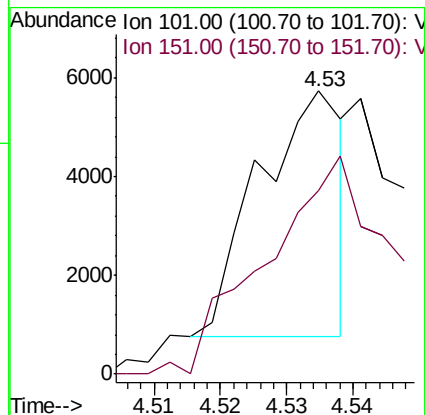
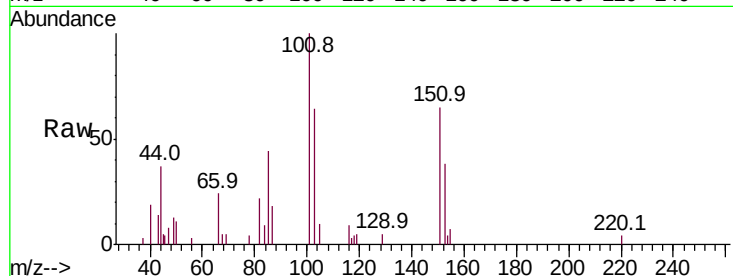
TZC-SSDS-AREA-B-2DUP

Tot Ion:101 Resp: 4407

Ion Ratio Lower Upper

101 100

151 147.0 58.6 87.8#



#13

Ethanol

Concen: 20.635 ppbv

RT: 3.64 min Scan# 219

Delta R.T. -0.00 min

Lab File: VL033938.D

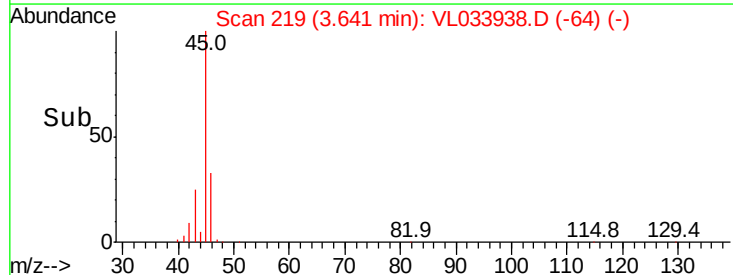
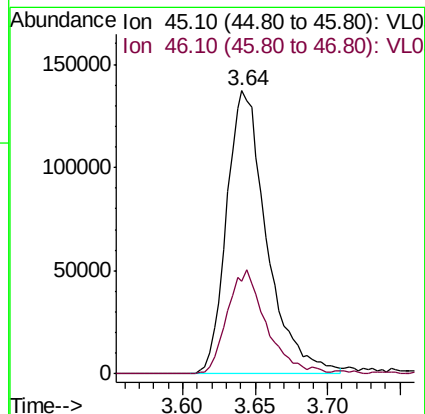
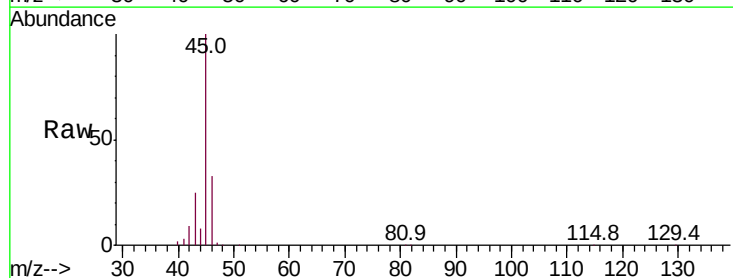
Acq: 24 Jun 2019 15:59

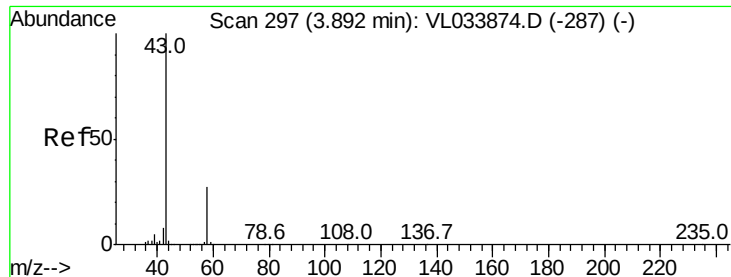
Tgt Ion: 45 Resp: 263844

Ion Ratio Lower Upper

45 100

46 36.3 15.3 61.1





#15

Acetone

Concen: 5.998 ppbv

RT: 3.89 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

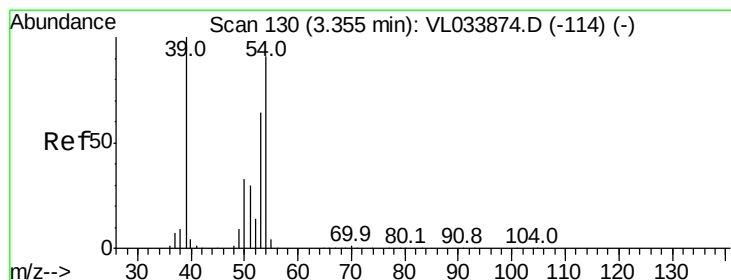
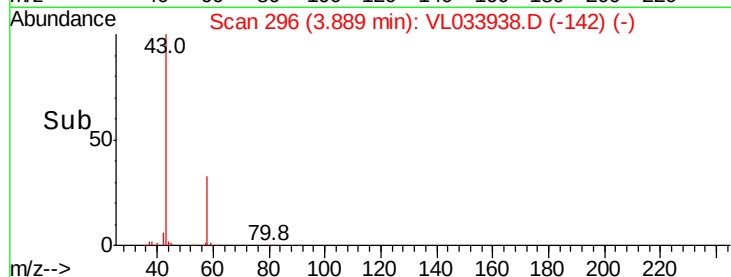
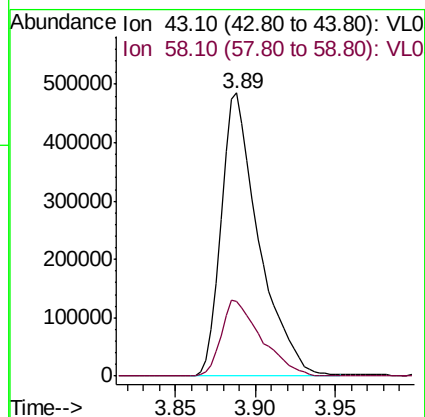
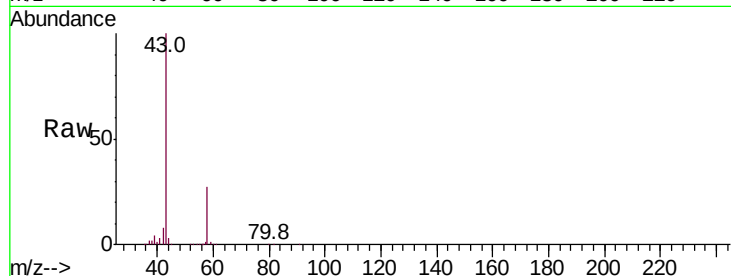
TZC-SSDS-AREA-B-2DUP

Tot Ion: 43 Resp: 780506

Ion Ratio Lower Upper

43 100

58 29.0 21.3 31.9



#16

1,3-Butadiene

Concen: 0.156 ppbv

RT: 3.33 min Scan# 123

Delta R.T. -0.02 min

Lab File: VL033938.D

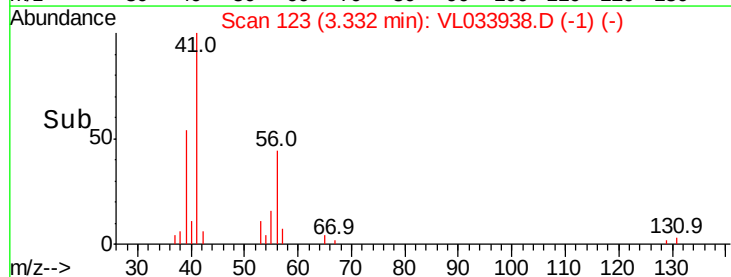
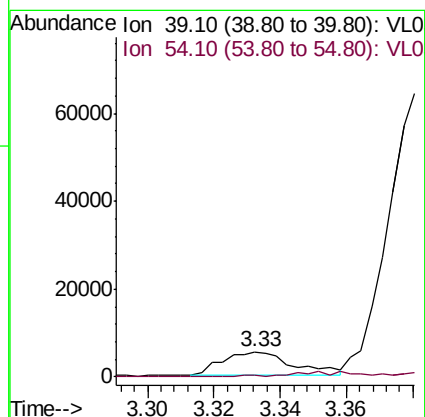
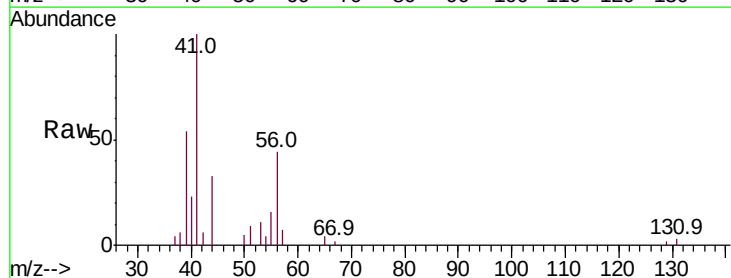
Acq: 24 Jun 2019 15:59

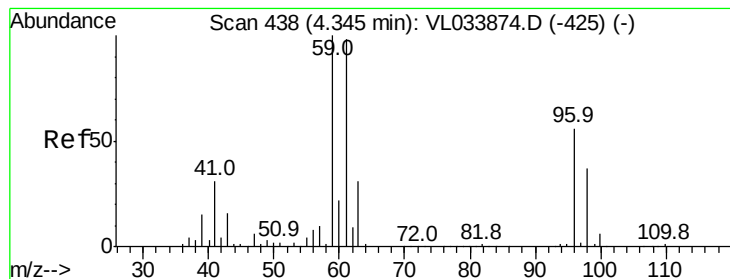
Tgt Ion: 39 Resp: 7740

Ion Ratio Lower Upper

39 100

54 24.4 68.6 103.0#





#17

tert-Butyl alcohol

Concen: 0.729 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.01 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

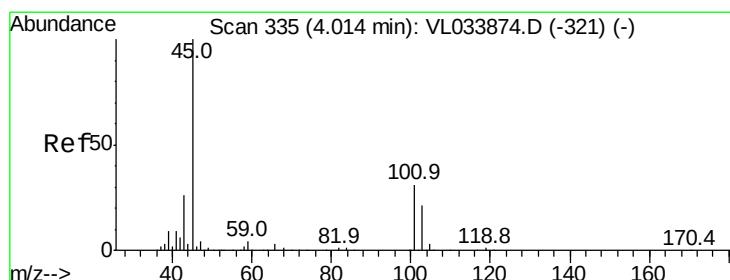
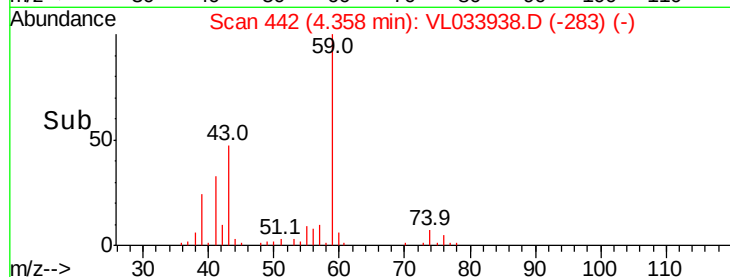
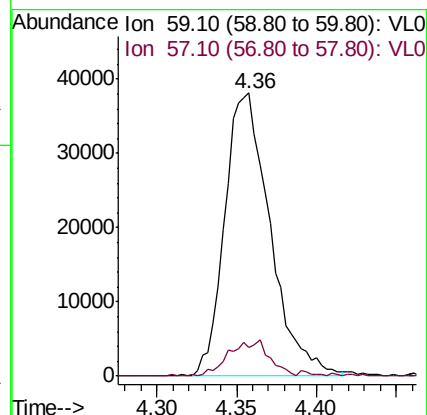
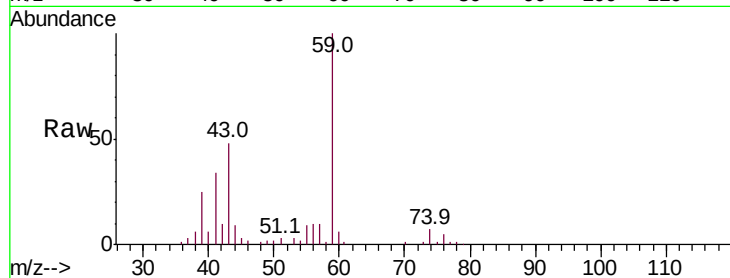
TZC-SSDS-AREA-B-2DUP

Tot Ion: 59 Resp: 74125

Ion Ratio Lower Upper

59 100

57 11.9 8.4 12.6



#19

Isopropyl Alcohol

Concen: 1.308 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL033938.D

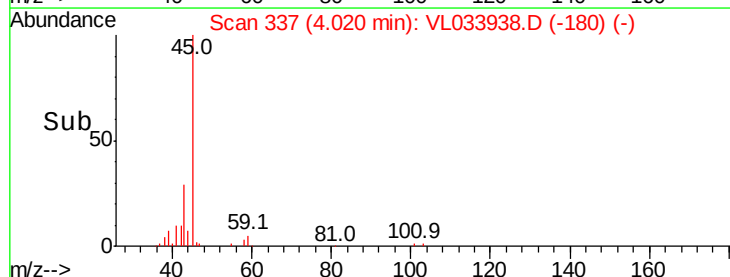
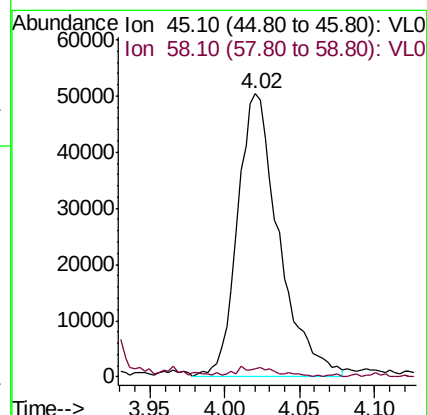
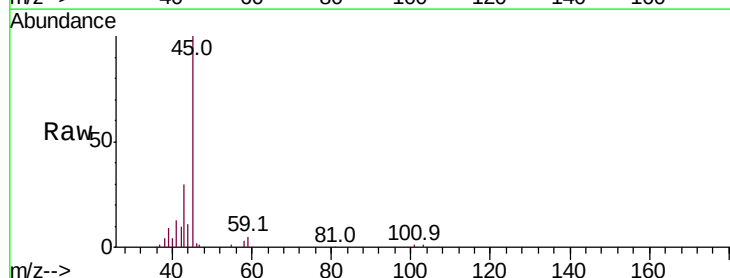
Acq: 24 Jun 2019 15:59

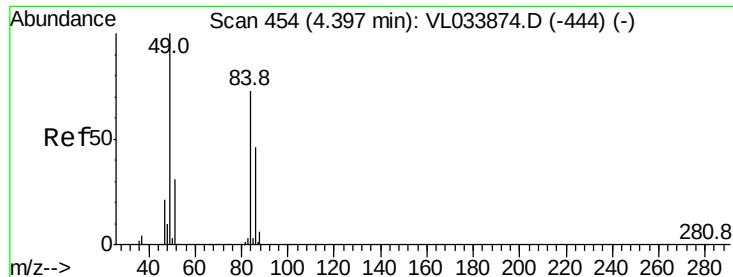
Tgt Ion: 45 Resp: 97217

Ion Ratio Lower Upper

45 100

58 233.2 1.8 2.6#

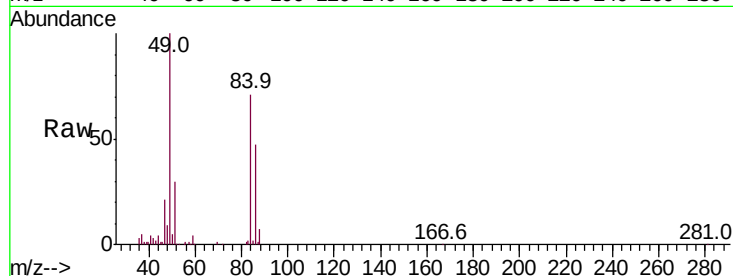




#20
Methvlene Chloride
Concen: 1.942 ppbv
RT: 4.39 min Scan# 453
Delta R.T. -0.00 min
Lab File: VL033938.D
Acq: 24 Jun 2019 15:59

Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-B-2DUP

Tot Ion	84	Resp	98558
Ion	Ratio	Lower	Upper
84	100		
49	139.5	110.0	165.0
51	41.2	34.6	51.8
86	66.6	50.6	75.8

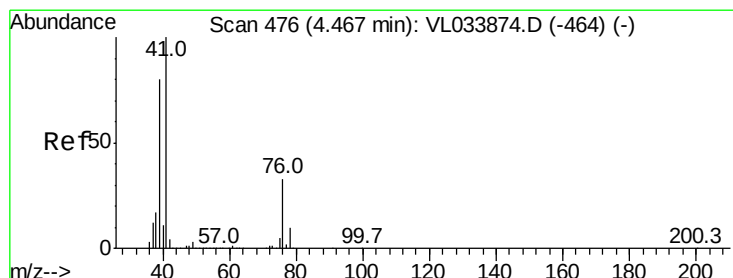
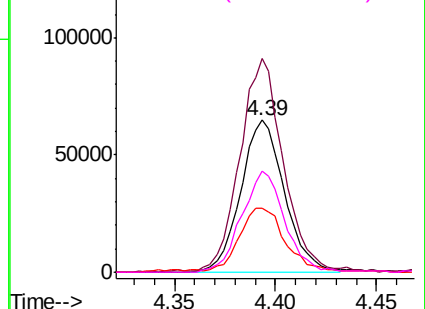
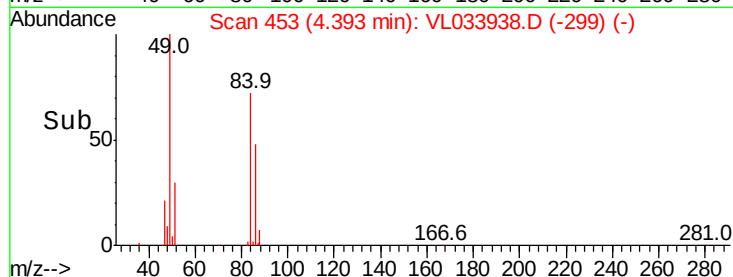


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

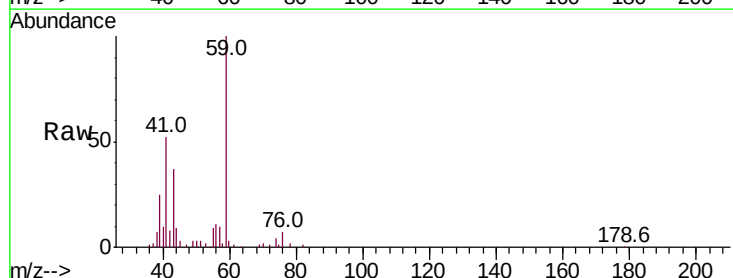
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.381 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.12 min
Lab File: VL033938.D
Acq: 24 Jun 2019 15:59

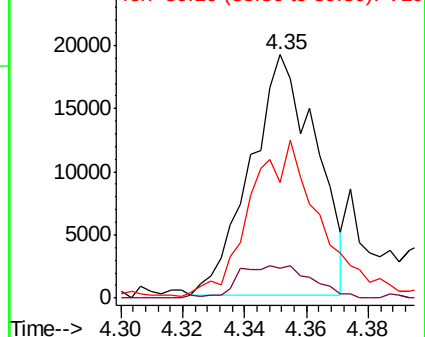
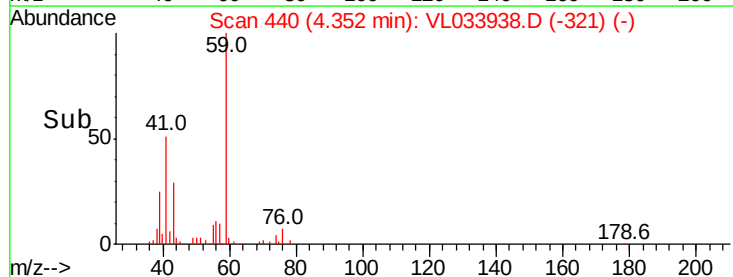
Tgt Ion	41	Resp	28159
Ion	Ratio	Lower	Upper
41	100		
76	15.6	26.6	39.8#
39	72.5	65.2	97.8

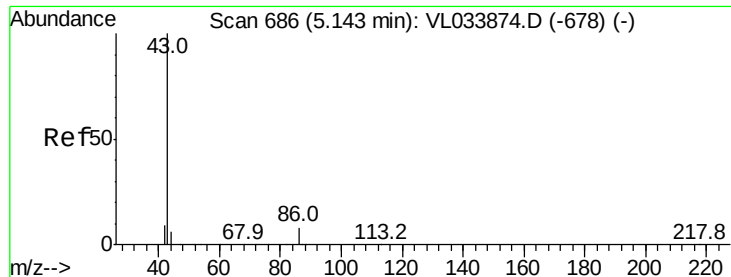


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.271 ppbv

RT: 5.13 min Scan# 681

Delta R.T. -0.02 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-B-2DUP

Tot Ion: 43 Resp: 40984

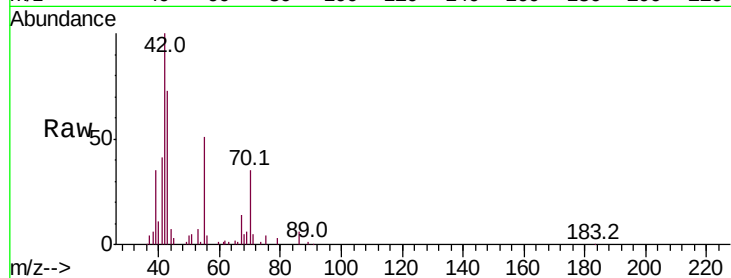
Ion Ratio Lower Upper

43 100

86 8.5 5.8 8.8

42 130.6 7.8 11.8#

44 2.7 4.2 6.4#

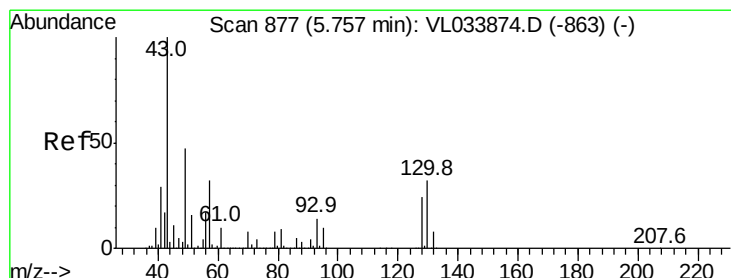
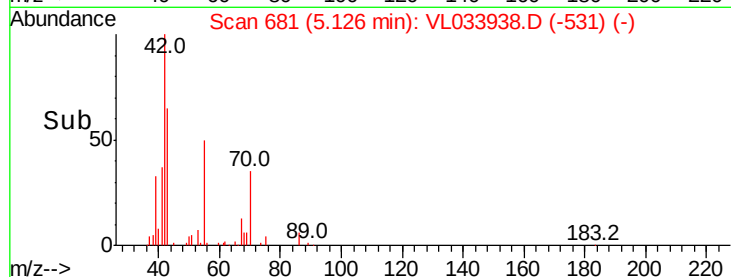
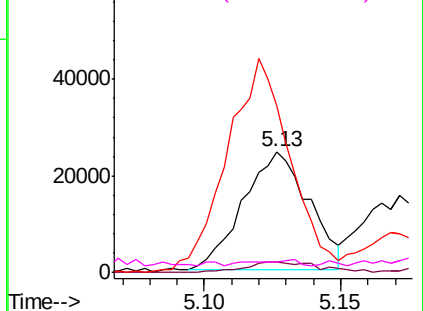


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.775 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Tgt Ion: 43 Resp: 153609

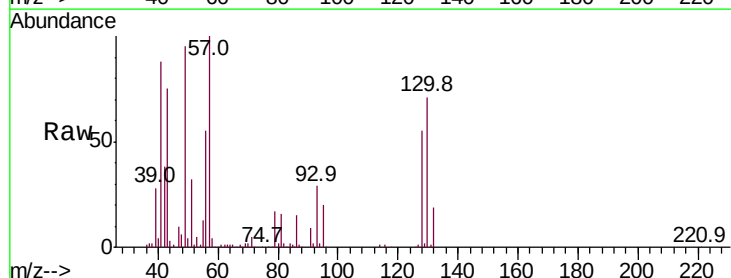
Ion Ratio Lower Upper

43 100

45 2.5 7.9 11.9#

61 1.4 7.8 11.6#

70 2.4 5.8 8.6#

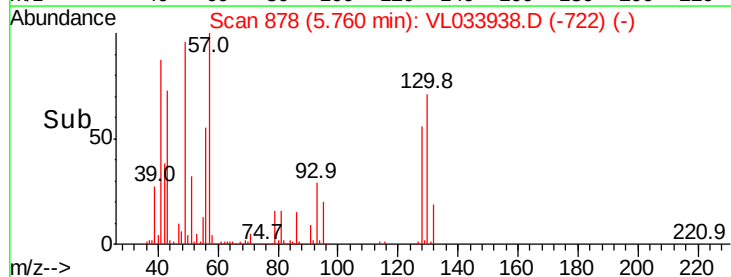
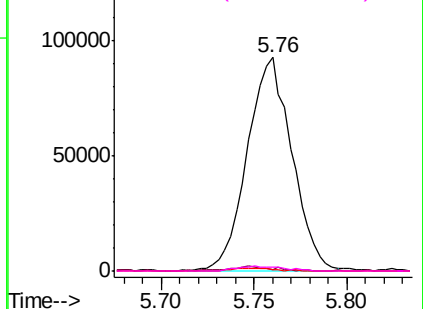


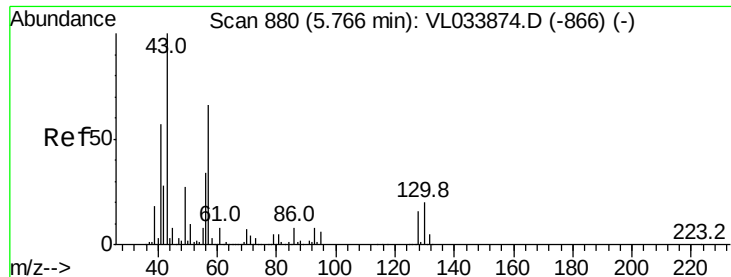
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 2.283 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-B-2DUP

Tot Ion: 57 Resp: 206008

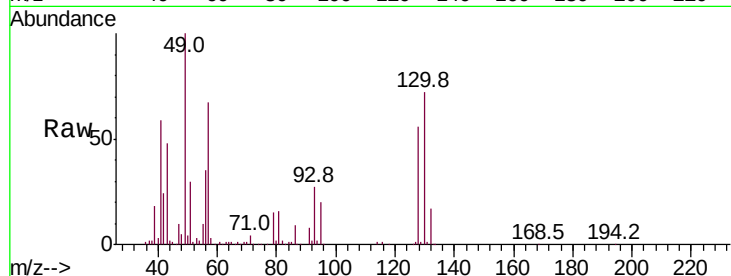
Ion Ratio Lower Upper

57 100

41 89.3 71.4 107.2

43 75.0 183.7 275.5#

56 55.5 42.7 64.1

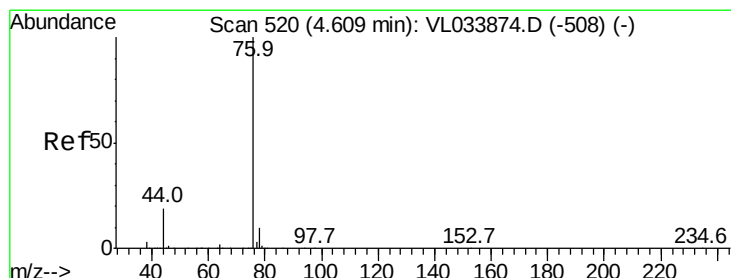
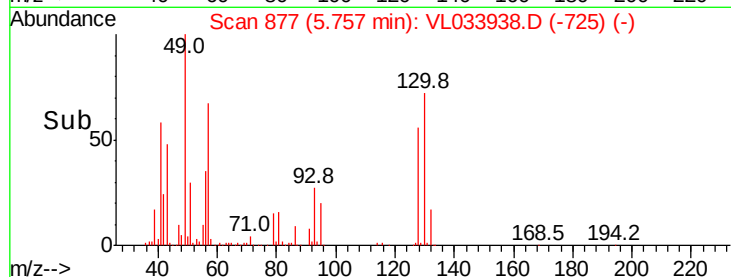
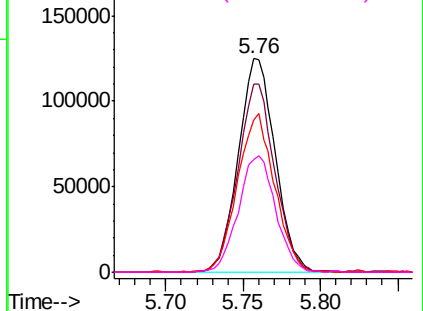


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.043 ppbv

RT: 4.61 min Scan# 519

Delta R.T. -0.00 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

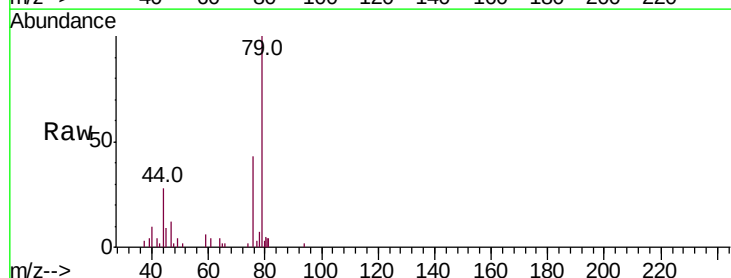
Tgt Ion: 76 Resp: 5443

Ion Ratio Lower Upper

76 100

44 71.8 14.4 21.6#

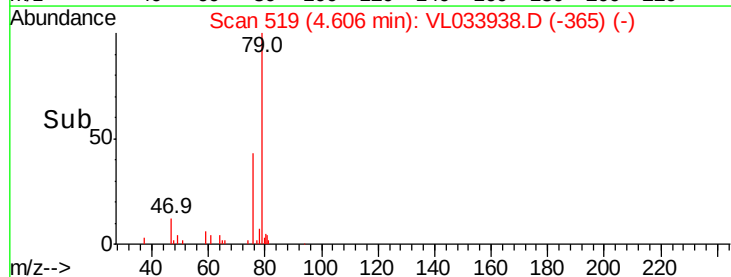
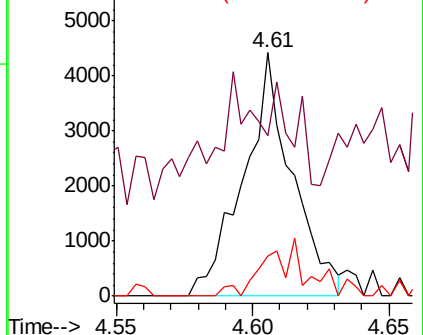
78 20.7 7.5 11.3#

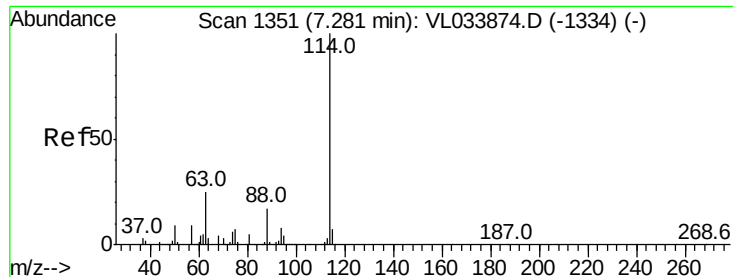


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

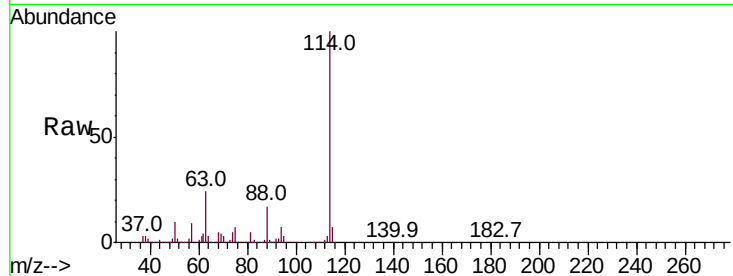




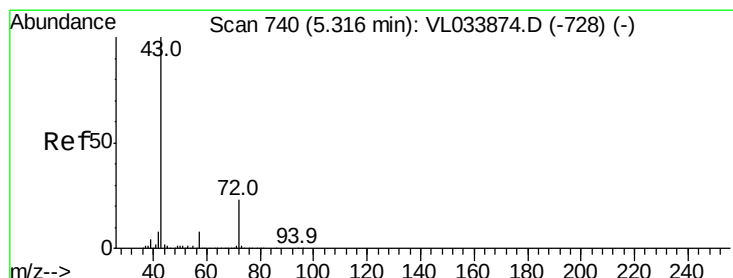
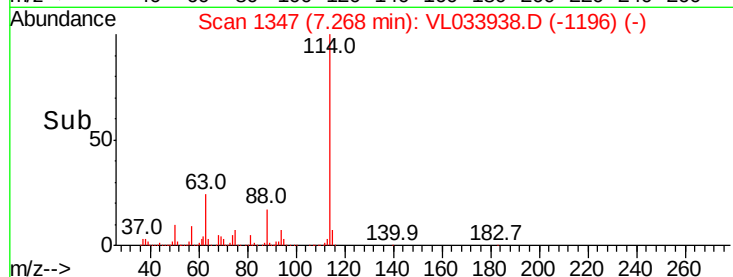
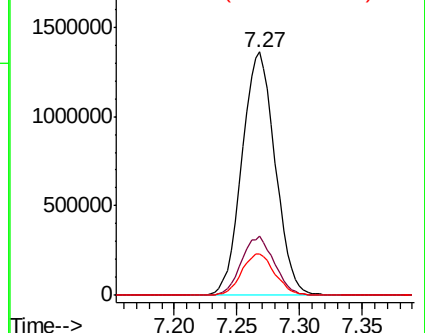
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VL033938.D
 Acq: 24 Jun 2019 15:59

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-B-2DUP

Tot Ion:114 Resp: 2503824
 Ion Ratio Lower Upper
 114 100
 63 24.2 21.1 31.7
 88 17.1 14.2 21.4

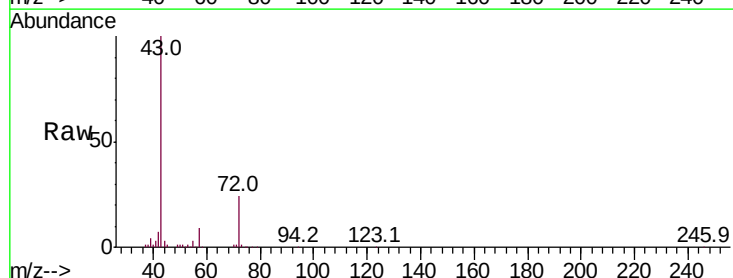


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

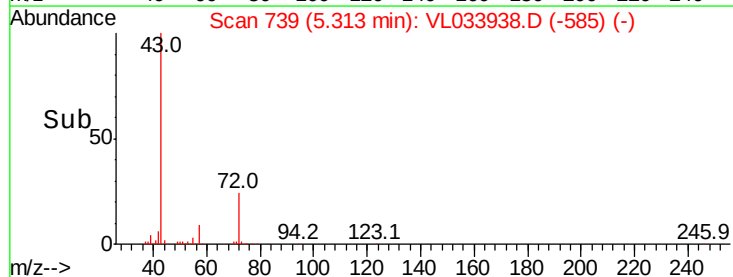
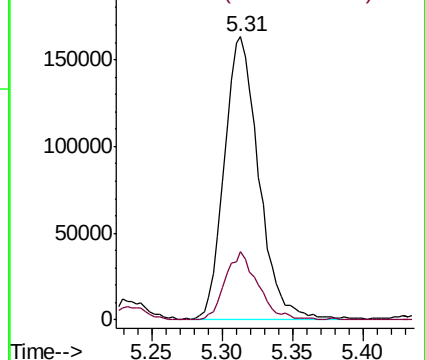


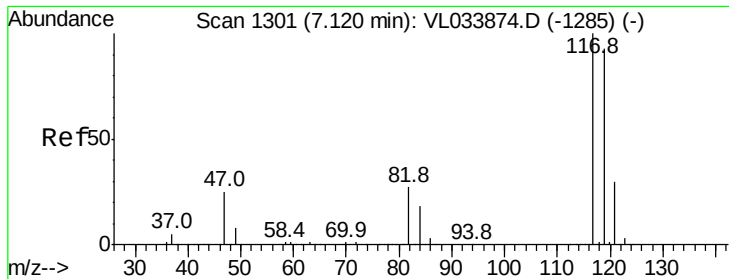
#34
 2-Butanone
 Concen: 1.950 ppbv
 RT: 5.31 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VL033938.D
 Acq: 24 Jun 2019 15:59

Tgt Ion: 43 Resp: 275477
 Ion Ratio Lower Upper
 43 100
 72 23.4 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.065 ppbv

RT: 7.11 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-B-2DUP

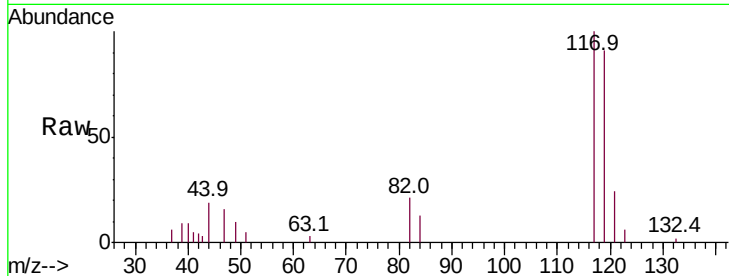
Tot Ion:117 Resp: 12498

Ion Ratio Lower Upper

117 100

119 85.5 74.6 111.8

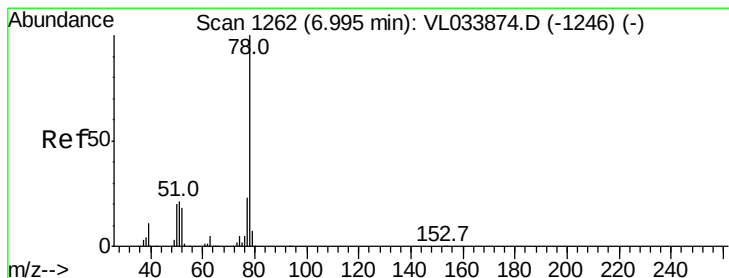
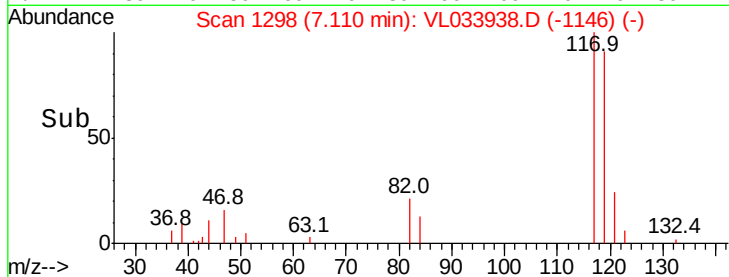
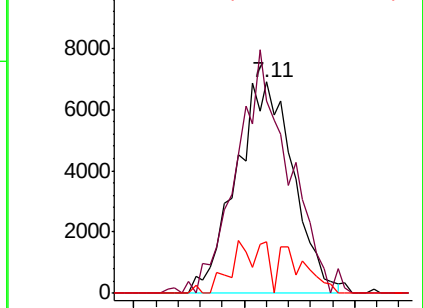
121 24.5 24.0 36.0



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: 0.104 ppbv

RT: 6.98 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

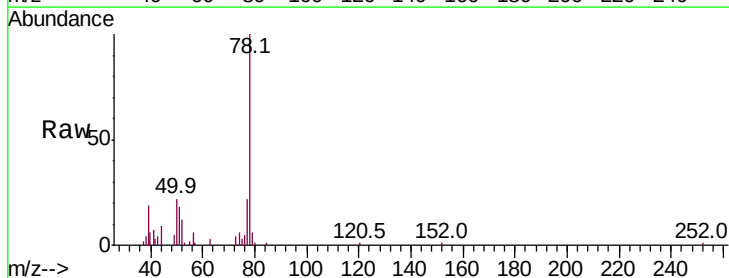
Tgt Ion: 78 Resp: 19973

Ion Ratio Lower Upper

78 100

77 21.3 18.2 27.2

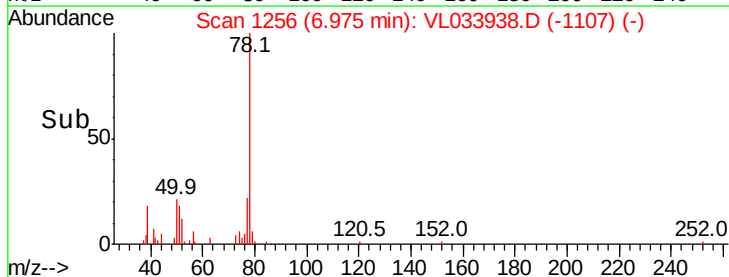
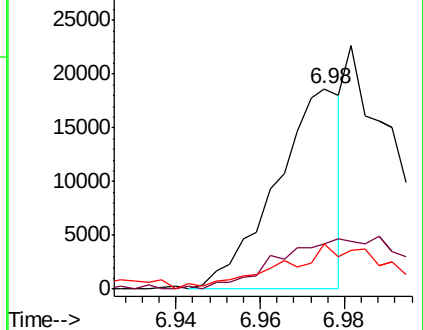
50 19.8 15.9 23.9

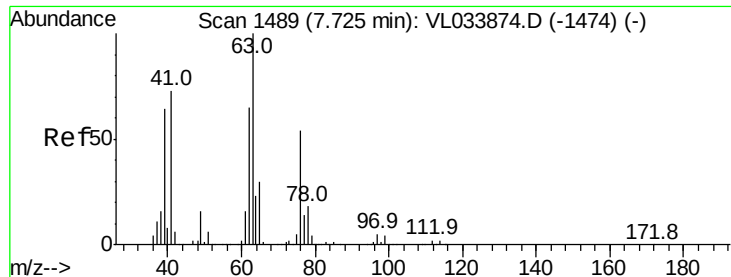


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 8.097 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. -0.46 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-B-2DUP

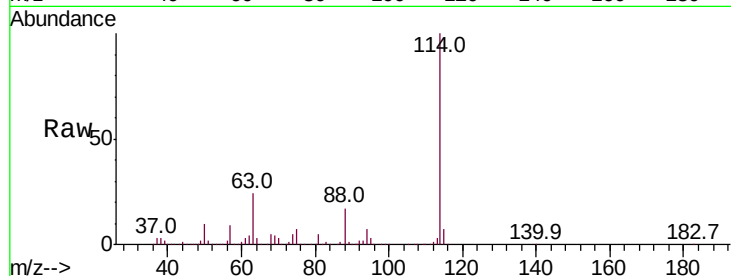
Tot Ion: 63 Resp: 597740

Ion Ratio Lower Upper

63 100

41 0.1 58.7 88.1#

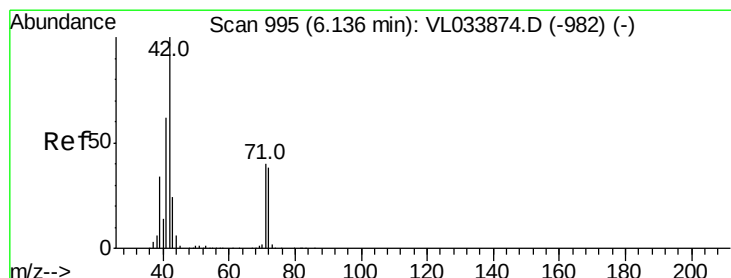
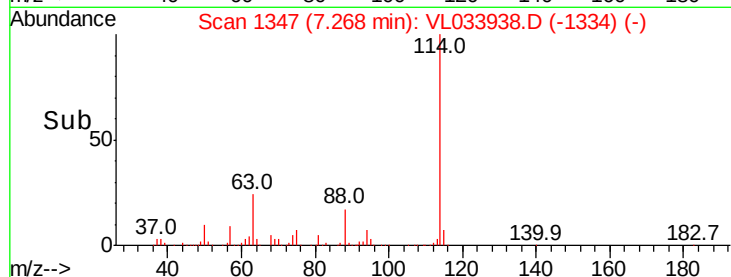
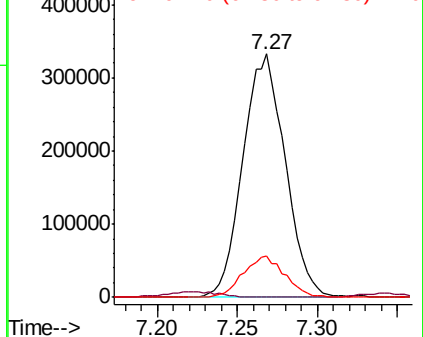
62 17.0 51.9 77.9#



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: 0.107 ppbv

RT: 6.14 min Scan# 995

Delta R.T. -0.00 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

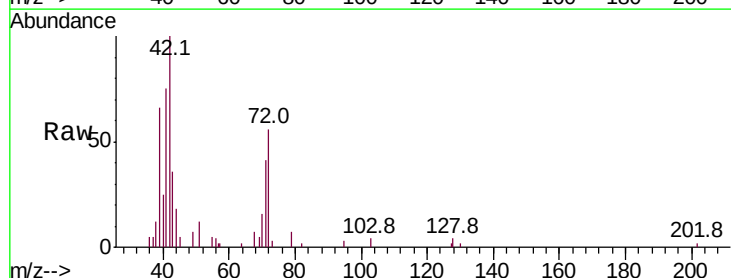
Tgt Ion: 42 Resp: 7673

Ion Ratio Lower Upper

42 100

72 106.8 32.2 48.4#

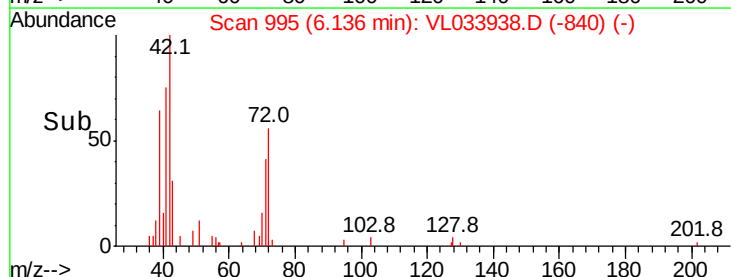
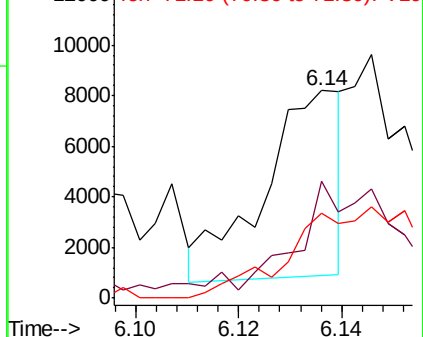
71 0.0 31.7 47.5#

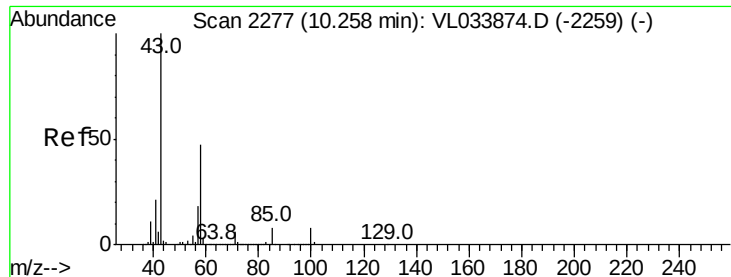


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#51

2-Hexanone

Concen: 0.494 ppbv

RT: 10.22 min Scan# 2264

Delta R.T. -0.04 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-B-2DUP

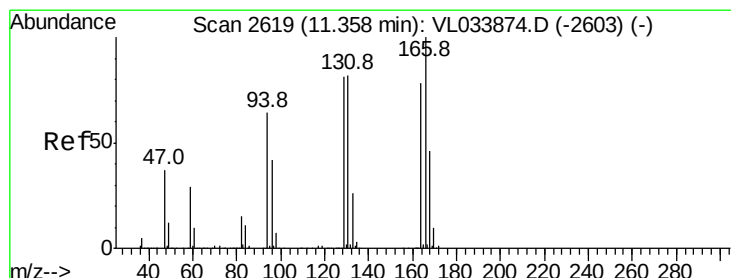
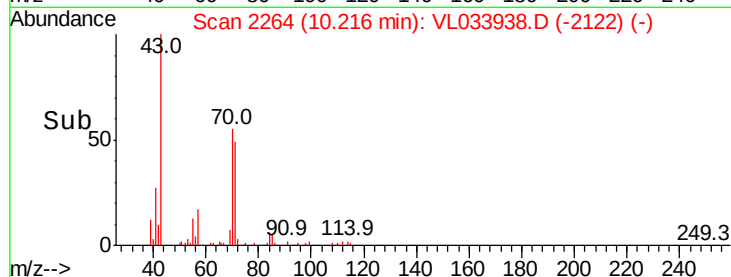
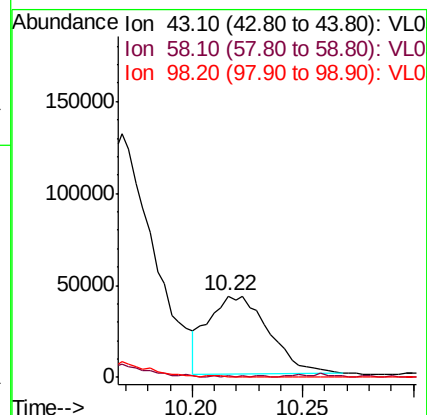
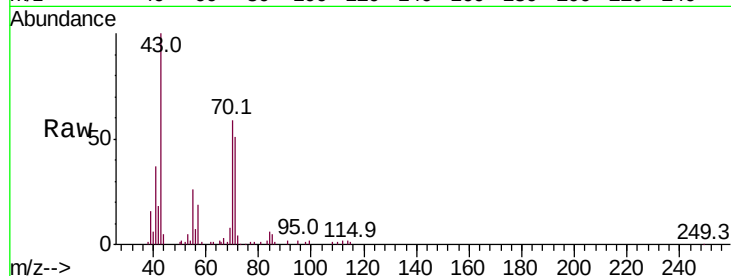
Tot Ion: 43 Resp: 81190

Ion Ratio Lower Upper

43 100

58 5.0 38.2 57.4#

98 0.0 0.2 0.2#



#52

Tetrachloroethene

Concen: 0.084 ppbv

RT: 11.34 min Scan# 2613

Delta R.T. -0.02 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Tgt Ion:164 Resp: 5622

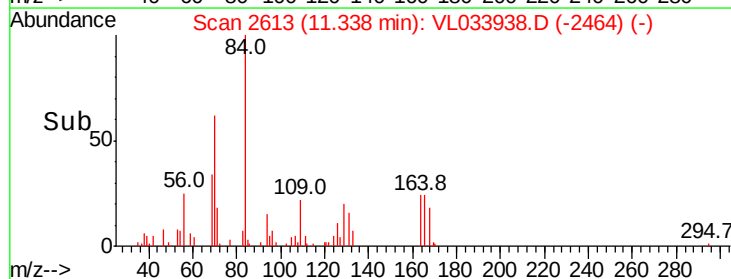
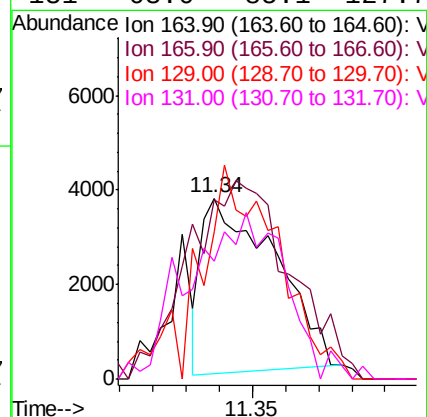
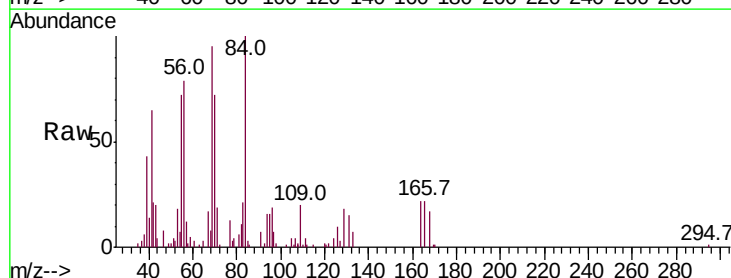
Ion Ratio Lower Upper

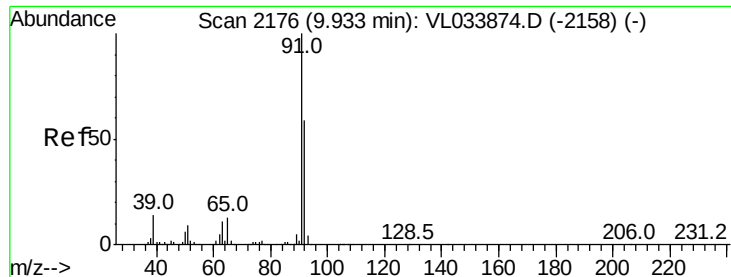
164 100

166 93.4 103.1 154.7#

129 77.8 83.9 125.9#

131 63.0 85.1 127.7#





#53

Toluene

Concen: 10.533 ppbv

RT: 9.92 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

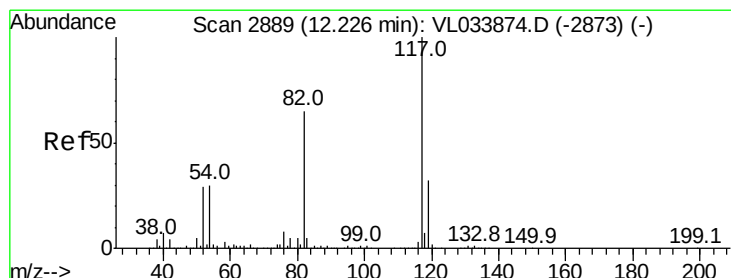
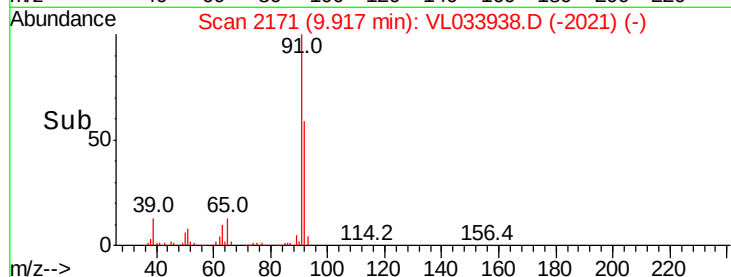
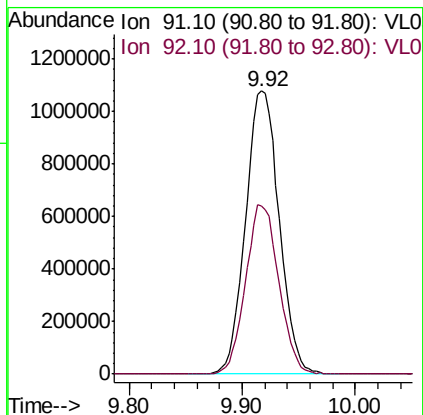
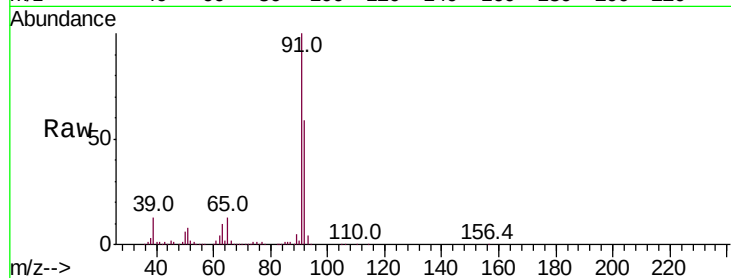
TZC-SSDS-AREA-B-2DUP

Tot Ion: 91 Resp: 2229455

Ion Ratio Lower Upper

91 100

92 59.3 47.0 70.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

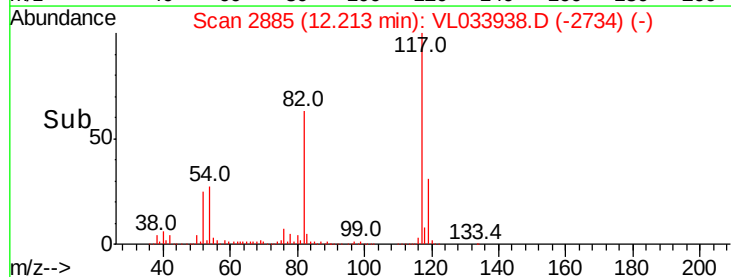
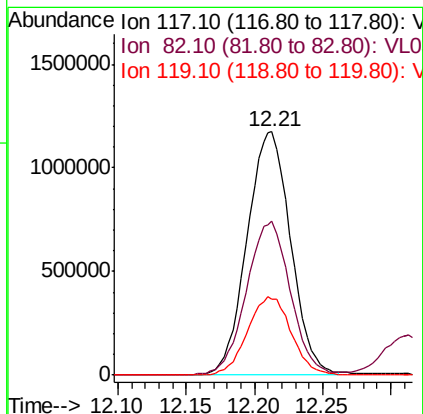
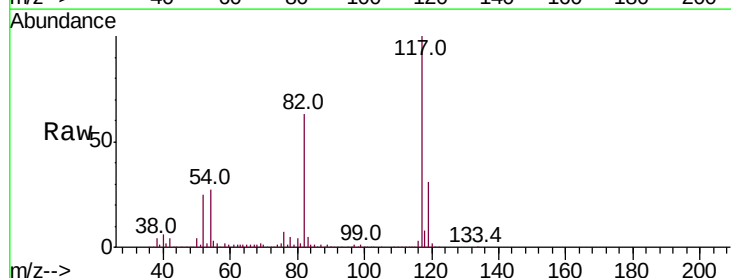
Tgt Ion: 117 Resp: 2606059

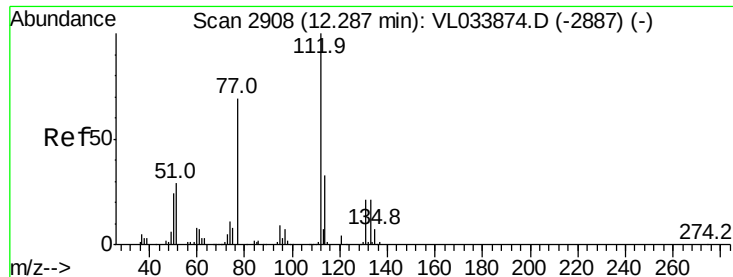
Ion Ratio Lower Upper

117 100

82 63.7 50.2 75.2

119 32.7 24.8 37.2





#57

Chlorobenzene

Concen: 0.061 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-B-2DUP

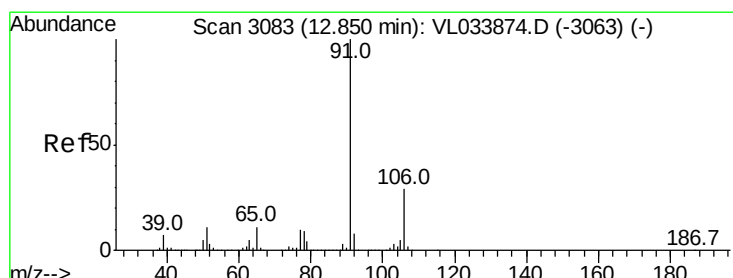
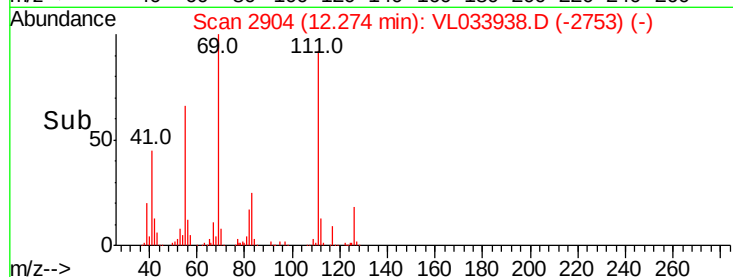
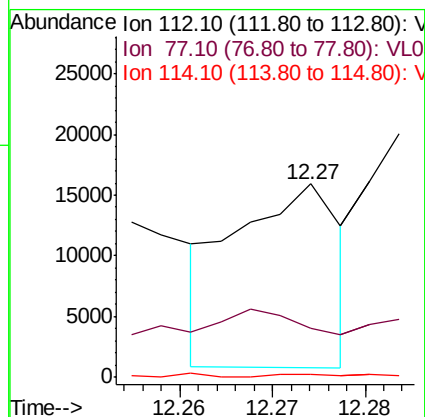
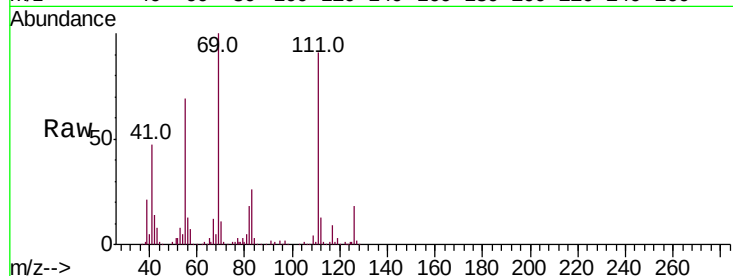
Tot Ion:112 Resp: 11895

Ion Ratio Lower Upper

112 100

77 34.7 55.8 83.6#

114 0.8 29.8 36.4#



#58

Ethyl Benzene

Concen: 3.890 ppbv

RT: 12.83 min Scan# 3078

Delta R.T. -0.02 min

Lab File: VL033938.D

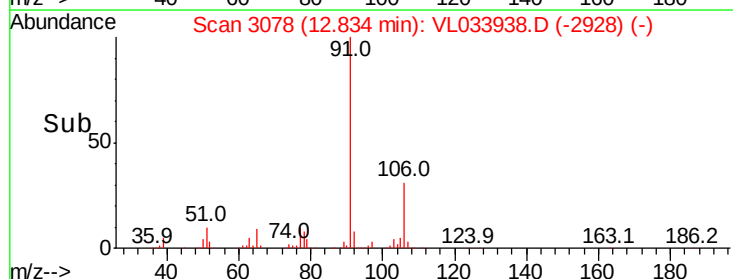
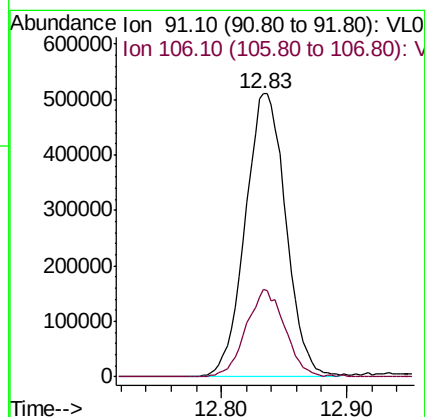
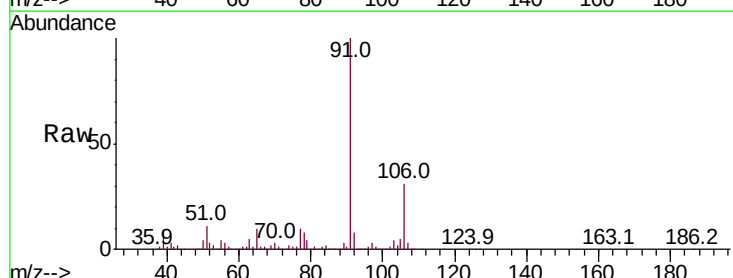
Acq: 24 Jun 2019 15:59

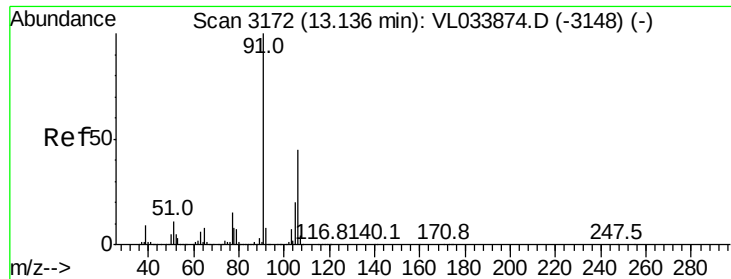
Tgt Ion: 91 Resp: 1142804

Ion Ratio Lower Upper

91 100

106 31.1 23.0 34.6





#59

m/p-Xylene

Concen: 16.347 ppbv

RT: 13.09 min Scan# 3158

Delta R.T. -0.05 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

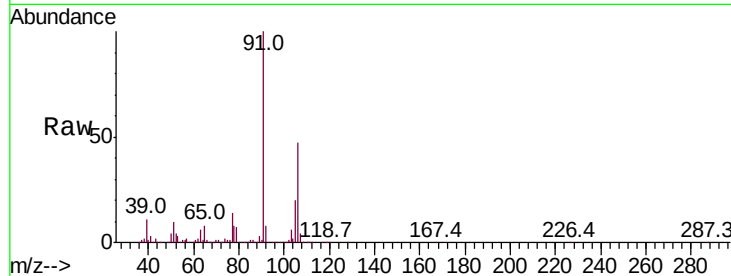
TZC-SSDS-AREA-B-2DUP

Tot Ion: 91 Resp: 4367734

Ion Ratio Lower Upper

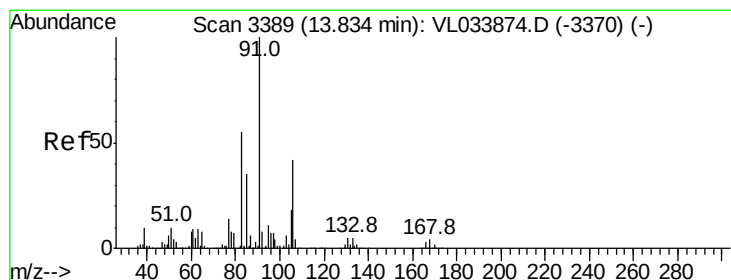
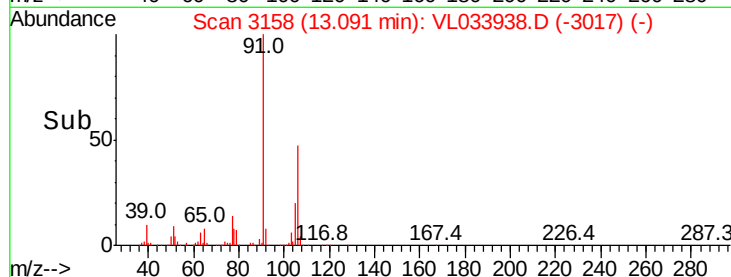
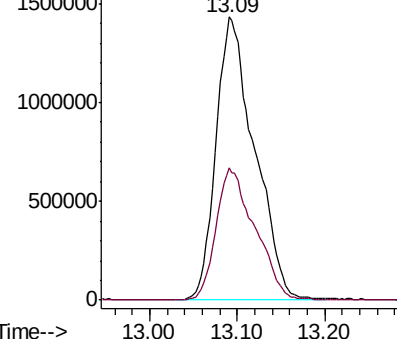
91 100

106 47.3 35.8 53.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 5.464 ppbv

RT: 13.82 min Scan# 3385

Delta R.T. -0.01 min

Lab File: VL033938.D

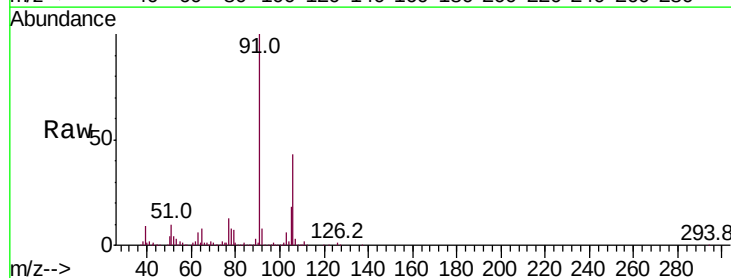
Acq: 24 Jun 2019 15:59

Tgt Ion: 91 Resp: 1507260

Ion Ratio Lower Upper

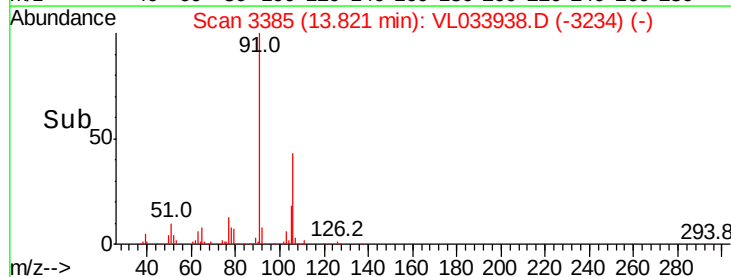
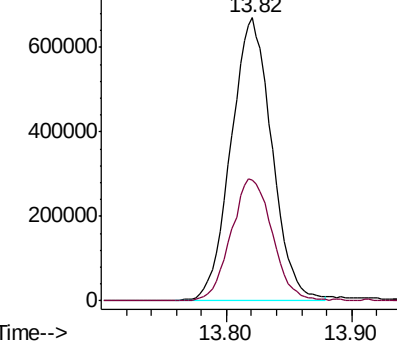
91 100

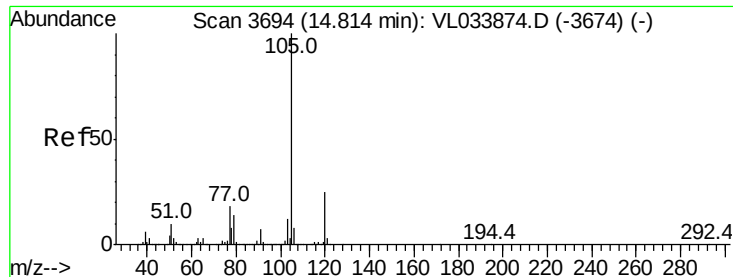
106 44.3 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#62

Isopropylbenzene

Concen: 0.070 ppbv

RT: 14.79 min Scan# 3688

Delta R.T. -0.02 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Instrument :

MSVOA_L

ClientSampleId :

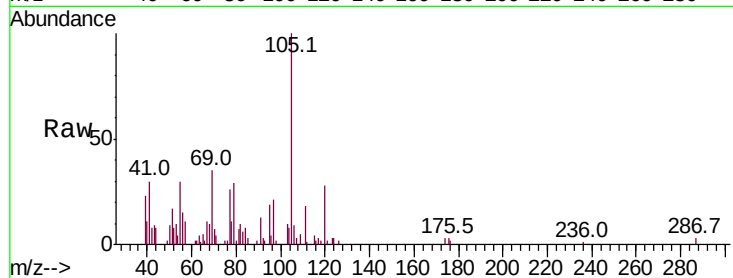
TZC-SSDS-AREA-B-2DUP

Tot Ion:105 Resp: 26191

Ion Ratio Lower Upper

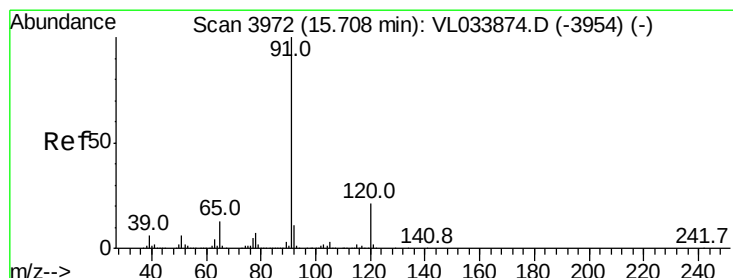
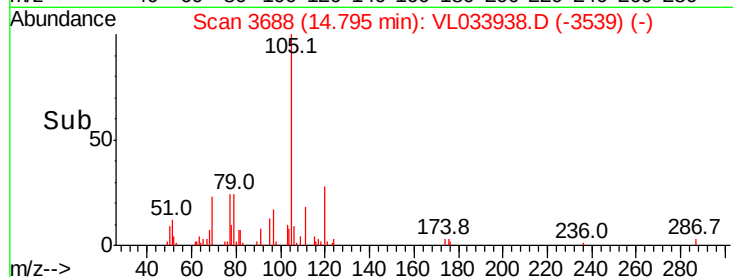
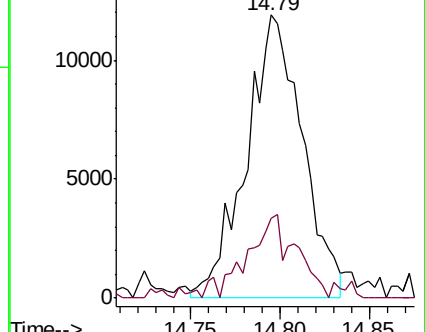
105 100

120 28.9 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.124 ppbv

RT: 15.69 min Scan# 3966

Delta R.T. -0.02 min

Lab File: VL033938.D

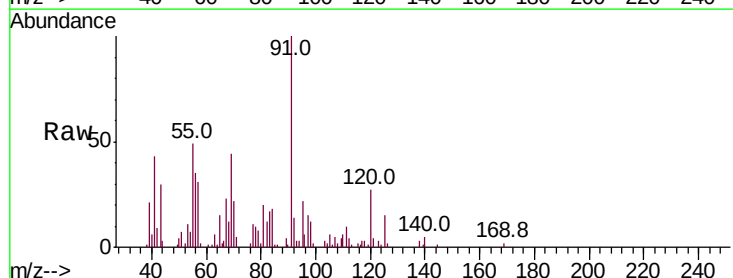
Acq: 24 Jun 2019 15:59

Tgt Ion:120 Resp: 11853

Ion Ratio Lower Upper

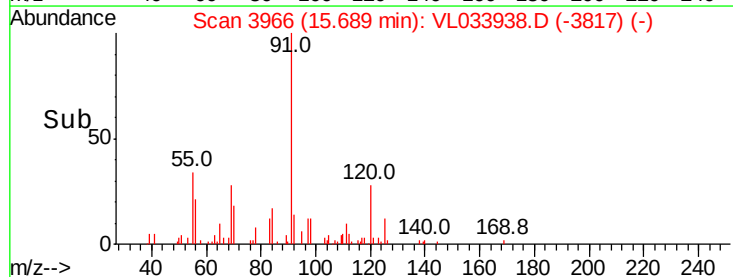
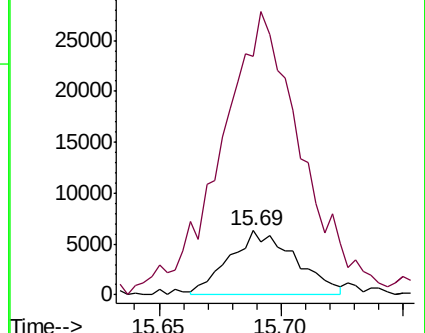
120 100

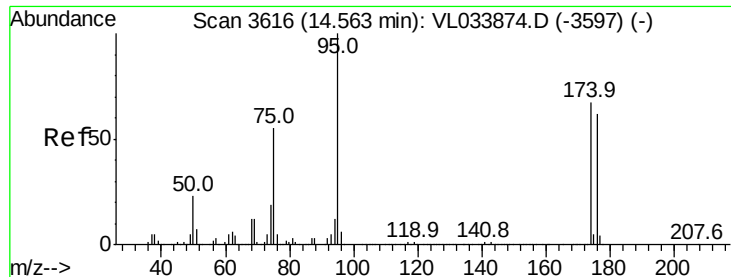
91 544.1 387.0 580.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

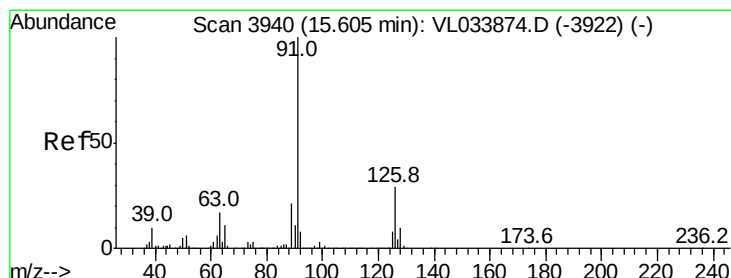
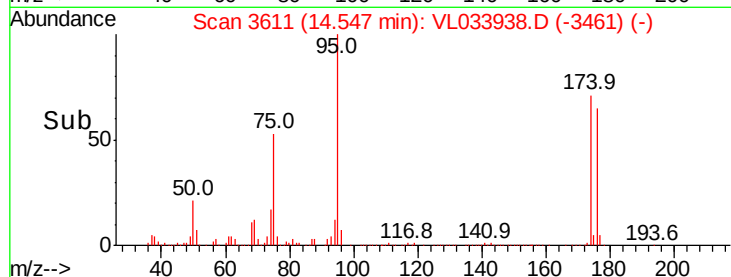
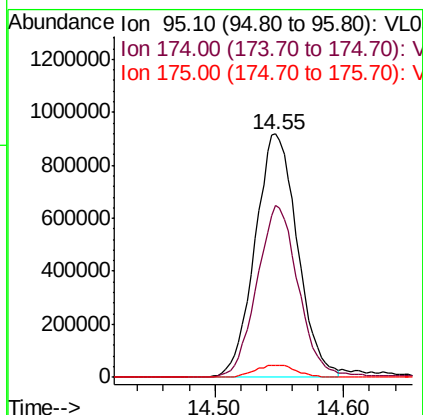
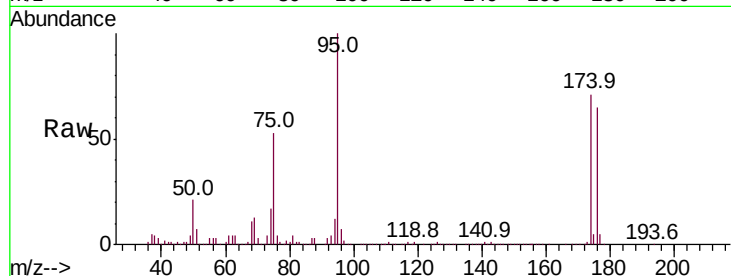




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.813 ppbv
 RT: 14.55 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL033938.D
 Acq: 24 Jun 2019 15:59

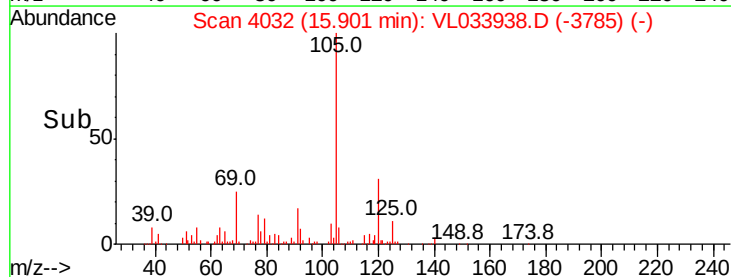
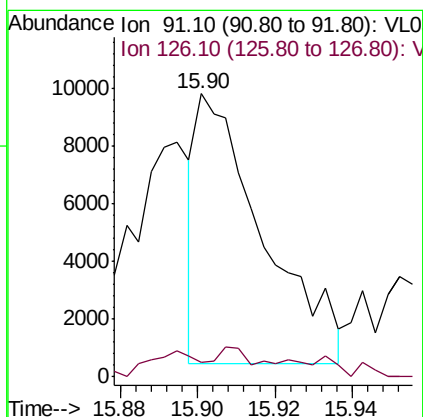
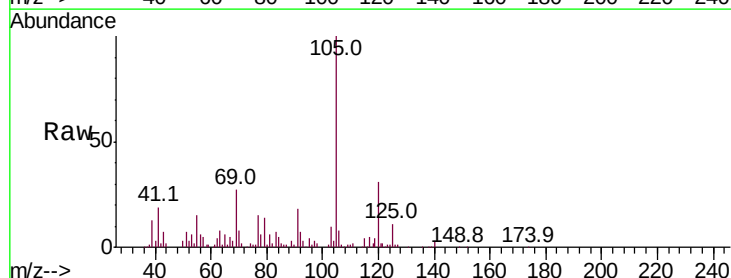
Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-B-2DUP

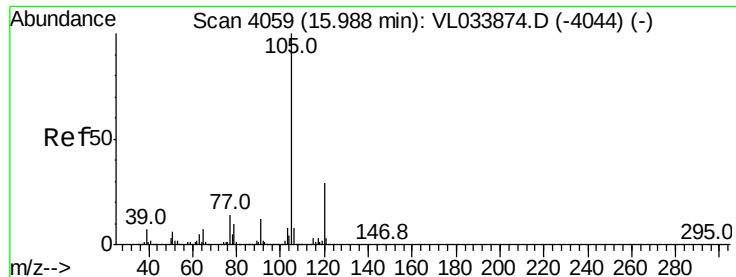
Tot Ion: 95 Resp: 2100479
 Ion Ratio Lower Upper
 95 100
 174 70.3 54.0 81.0
 175 5.0 3.8 5.8



#71
 2-Chlorotoluene
 Concen: 0.041 ppbv
 RT: 15.90 min Scan# 4032
 Delta R.T. 0.30 min
 Lab File: VL033938.D
 Acq: 24 Jun 2019 15:59

Tgt Ion: 91 Resp: 11114
 Ion Ratio Lower Upper
 91 100
 126 20.2 12.0 48.2





#72

4-Ethyltoluene

Concen: 0.192 ppbv

RT: 15.97 min Scan# 4054

Delta R.T. -0.02 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

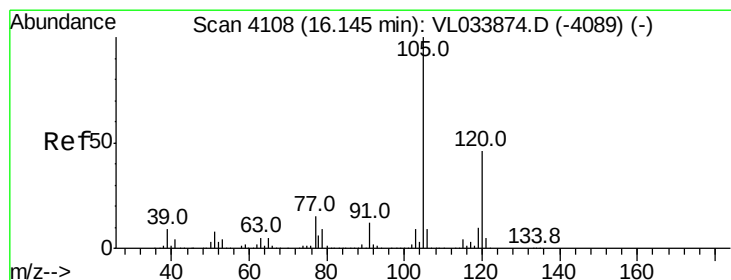
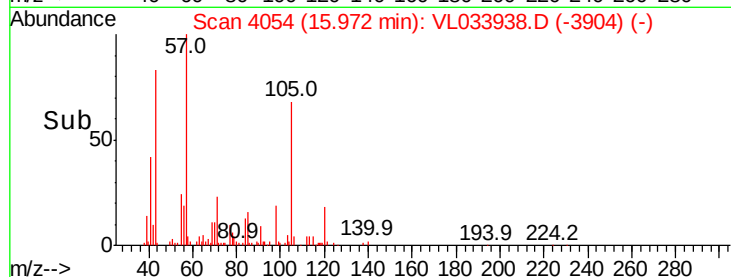
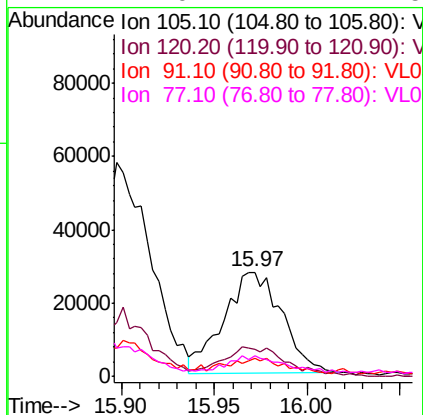
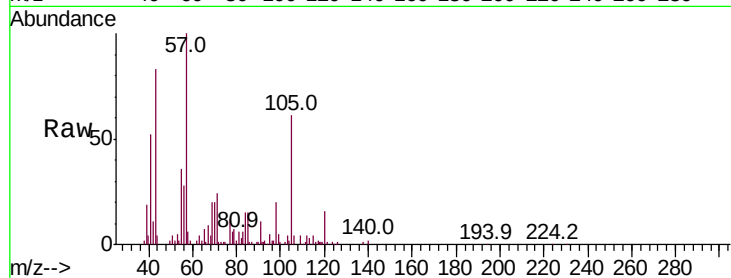
Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-B-2DUP

Tot Ion:	105	Resp:	60328
Ion	Ratio	Lower	Upper
105	100		
120	31.2	23.5	35.3
91	19.6	10.4	15.6
77	17.0	11.7	17.5



#73

1,3,5-Trimethylbenzene

Concen: 0.208 ppbv

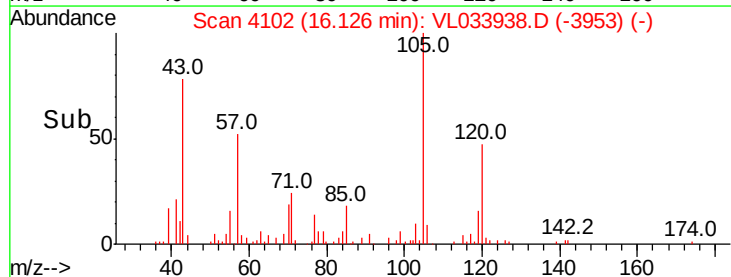
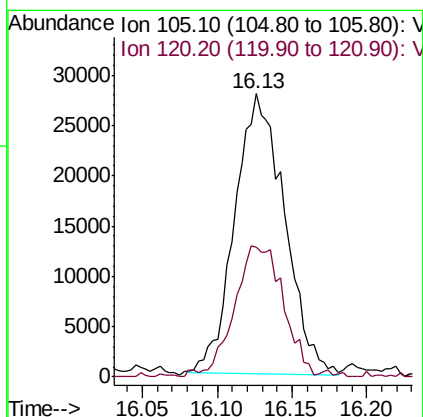
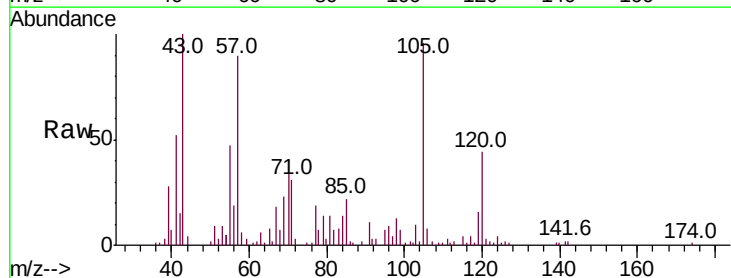
RT: 16.13 min Scan# 4102

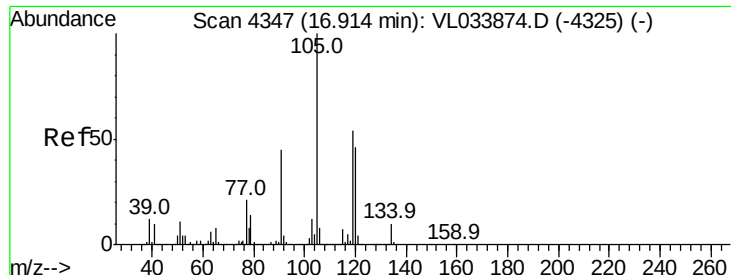
Delta R.T. -0.02 min

Lab File: VL033938.D

Acq: 24 Jun 2019 15:59

Tgt Ion:	105	Resp:	64465
Ion	Ratio	Lower	Upper
105	100		
120	45.8	37.1	55.7





#74
 1,2,4-Trimethylbenzene
 Concen: 0.562 ppbv
 RT: 16.90 min Scan# 4342
 Delta R.T. -0.02 min
 Lab File: VL033938.D
 Acq: 24 Jun 2019 15:59

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-B-2DUP

Tot Ion:	105	Resp:	200284
Ion Ratio	Lower	Upper	
105	100		
120	42.4	36.7	55.1
91	11.7	35.8	53.8#
77	13.9	16.9	25.3#

