

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033948.D
 Acq On : 24 Jun 2019 22:37
 Operator : SY/AP
 Sample : K3481-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-C-1

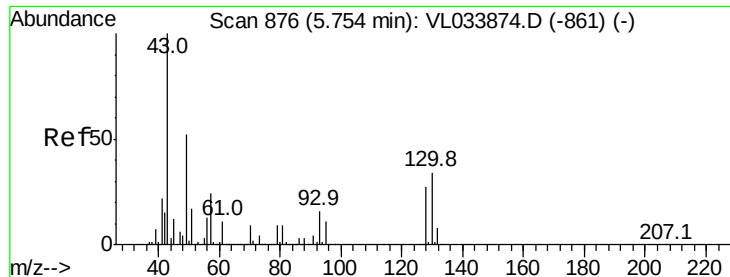
Quant Time: Jun 25 03:40:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1004279	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.27	114	2528055	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	2552916	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	2012210	9.60	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.07	85	54623	0.335	ppbv 99
3) Chlorodifluoromethane	3.00	51	165591	1.401	ppbv # 82
4) Chloromethane	3.16	50	24915	0.369	ppbv 91
7) Chloroethane	3.59	64	1594	0.064	ppbv 94
9) Propene	3.04	41	30724	0.695	ppbv # 76
11) Trichlorofluoromethane	3.99	101	58544	0.278	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.54	101	8402	0.059	ppbv 93
13) Ethanol	3.64	45	67508	4.690	ppbv 99
15) Acetone	3.89	43	1374345	9.383	ppbv 97
16) 1,3-Butadiene	3.33	39	9030	0.162	ppbv # 23
17) tert-Butyl alcohol	4.36	59	7011	0.061	ppbv # 1
19) Isopropyl Alcohol	4.03	45	44430	0.531	ppbv # 94
20) Methylene Chloride	4.39	84	64328	1.126	ppbv 92
23) Vinyl Acetate	5.13	43	38650	0.227	ppbv # 36
25) Ethyl Acetate	5.76	43	110404	0.495	ppbv # 80
26) Hexane	5.76	57	150914	1.486	ppbv # 42
27) Carbon Disulfide	4.61	76	8868	0.063	ppbv # 37
34) 2-Butanone	5.32	43	115819	0.812	ppbv 99
35) Carbon Tetrachloride	7.11	117	9520	0.049	ppbv # 91
36) Benzene	6.98	78	6641	0.034	ppbv # 83
39) 1,2-Dichloropropane	7.27	63	594458	7.976	ppbv # 25
44) 2,2,4-Trimethylpentane	7.97	57	12617	0.037	ppbv # 1
52) Tetrachloroethene	11.34	164	8688	0.128	ppbv # 69
53) Toluene	9.91	91	1977165	9.252	ppbv 99
58) Ethyl Benzene	12.84	91	292694	1.017	ppbv 98
59) m/p-Xylene	13.09	91	1212890	4.634	ppbv 97
60) o-Xylene	13.82	91	394023	1.458	ppbv 100
74) 1,2,4-Trimethylbenzene	16.89	105	54560	0.156	ppbv # 76

(#) = 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: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-C-1

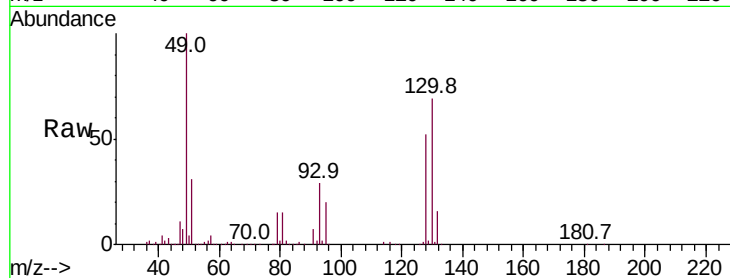
Tot Ion: 49 Resp: 1004279

Ion Ratio Lower Upper

49 100

128 53.6 25.5 76.5

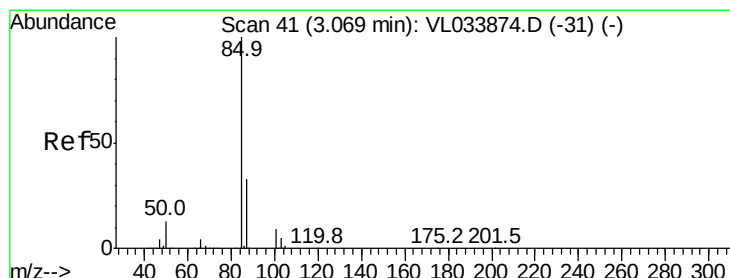
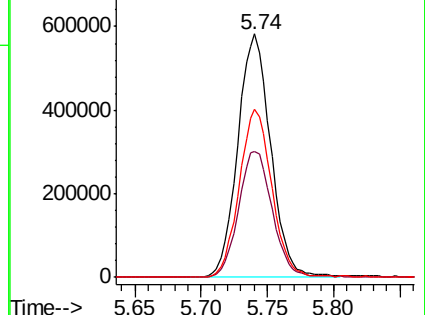
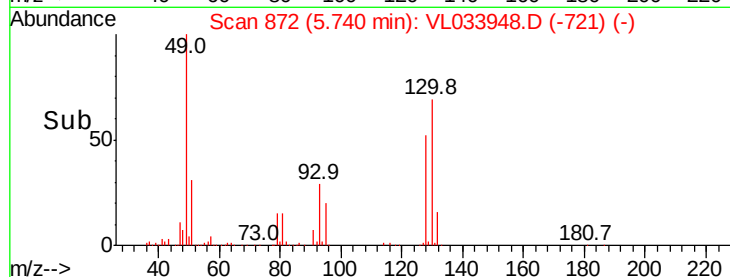
130 69.2 32.5 97.4



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: 0.335 ppbv

RT: 3.07 min Scan# 41

Delta R.T. -0.00 min

Lab File: VL033948.D

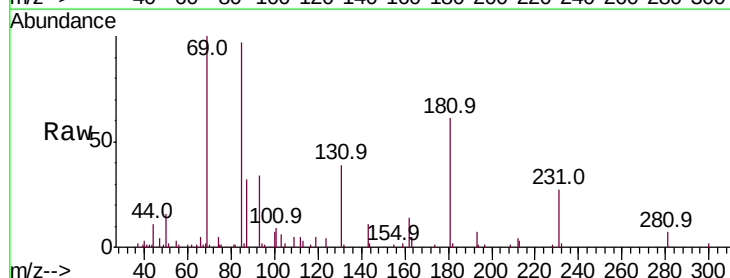
Acq: 24 Jun 2019 22:37

Tgt Ion: 85 Resp: 54623

Ion Ratio Lower Upper

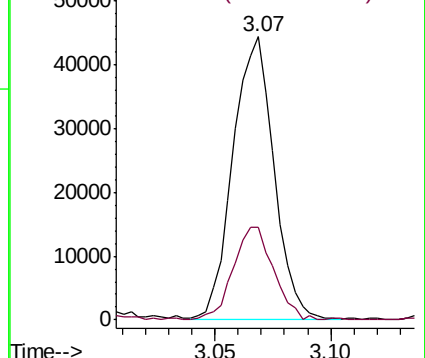
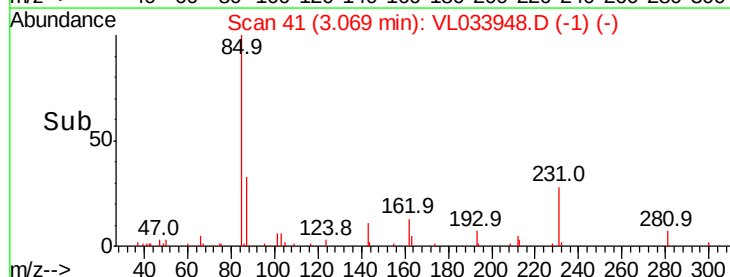
85 100

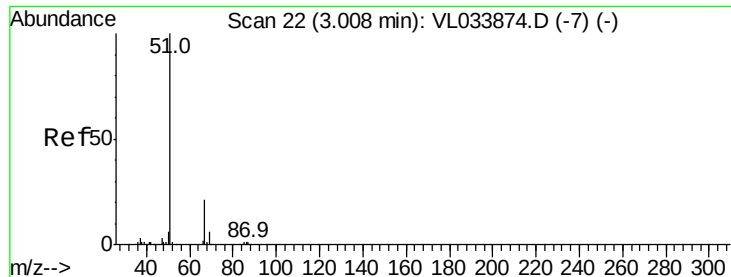
87 32.7 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.401 ppbv

RT: 3.00 min Scan# 21

Delta R.T. -0.00 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

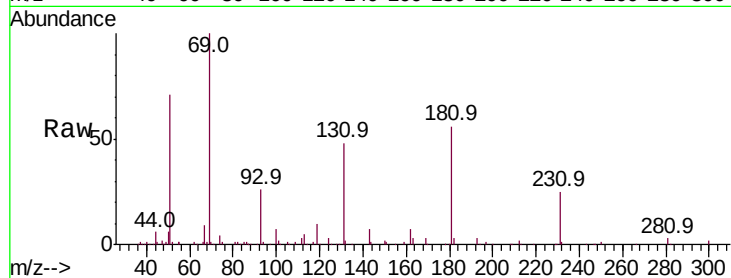
TZC-SSDS-AREA-C-1

Tot Ion: 51 Resp: 165591

Ion Ratio Lower Upper

51 100

67 12.0 16.4 24.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

120000

100000

80000

60000

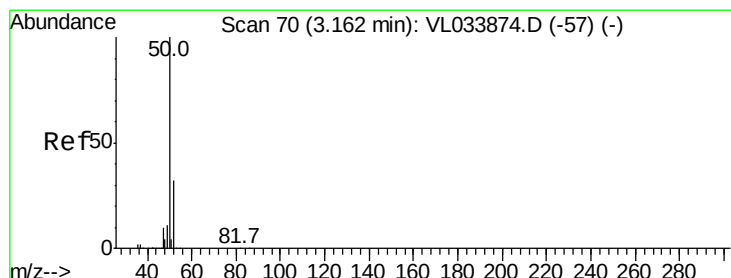
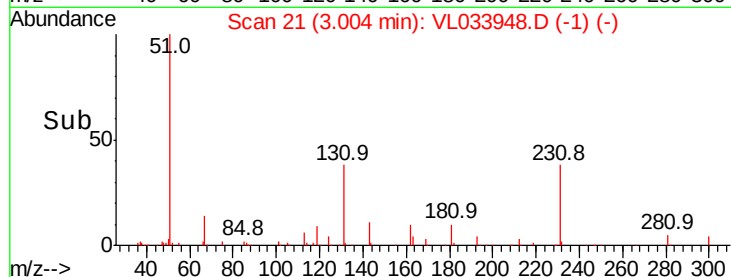
40000

20000

0

3.00

Time-->



#4

Chloromethane

Concen: 0.369 ppbv

RT: 3.16 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL033948.D

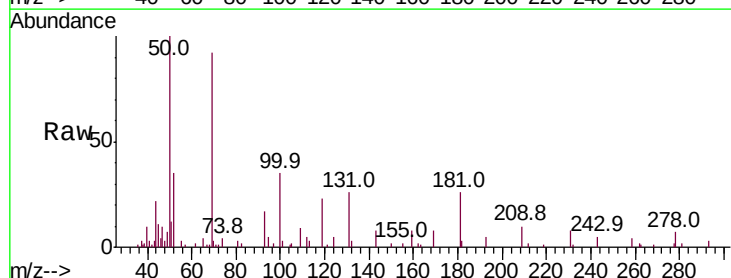
Acq: 24 Jun 2019 22:37

Tgt Ion: 50 Resp: 24915

Ion Ratio Lower Upper

50 100

52 36.6 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

20000

15000

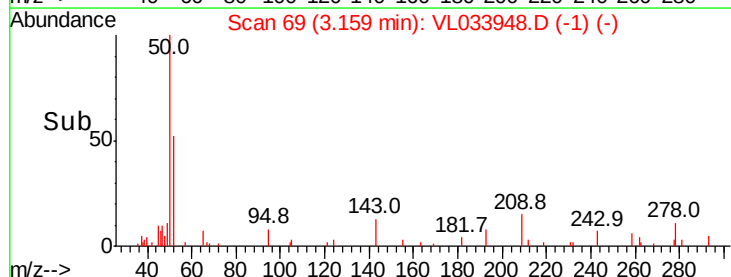
10000

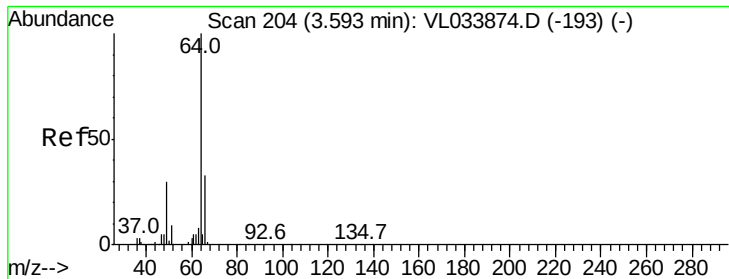
5000

0

3.16

Time-->





#7

Chloroethane

Concen: 0.064 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

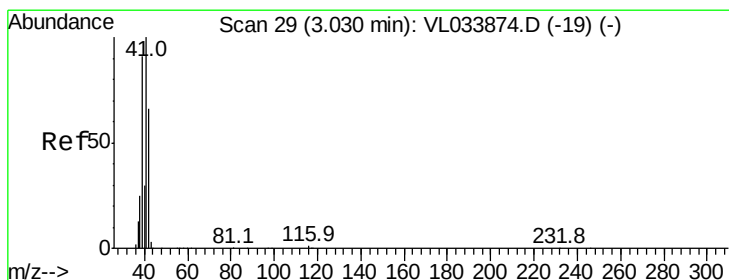
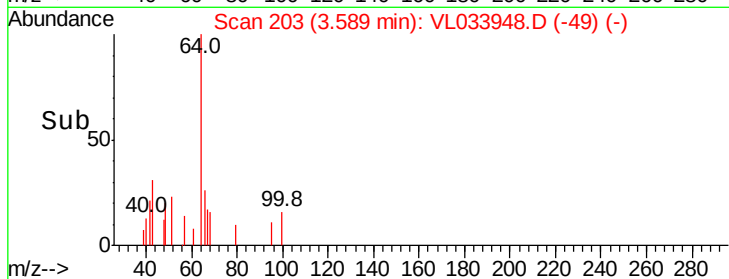
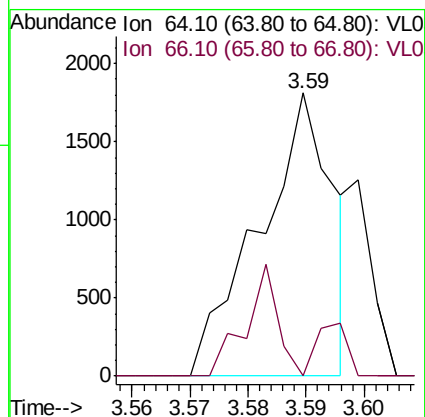
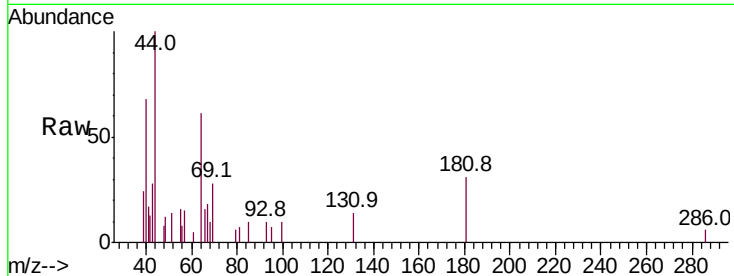
TZC-SSDS-AREA-C-1

Tot Ion: 64 Resp: 1594

Ion Ratio Lower Upper

64 100

66 30.1 26.7 40.1



#9

Propene

Concen: 0.695 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.01 min

Lab File: VL033948.D

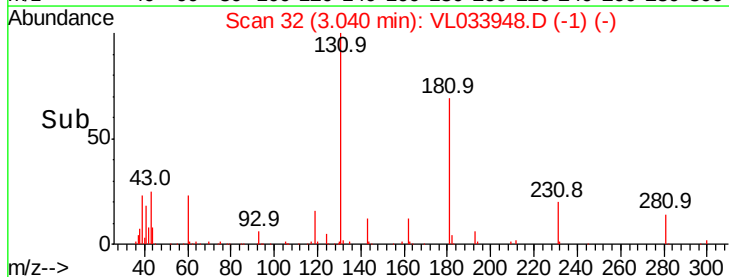
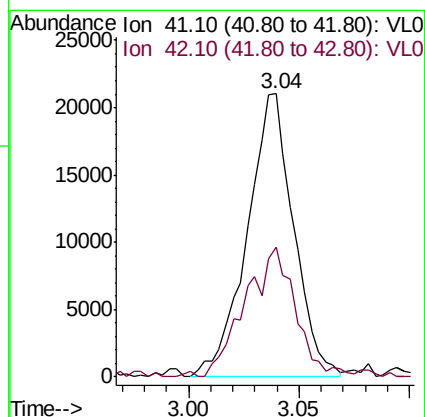
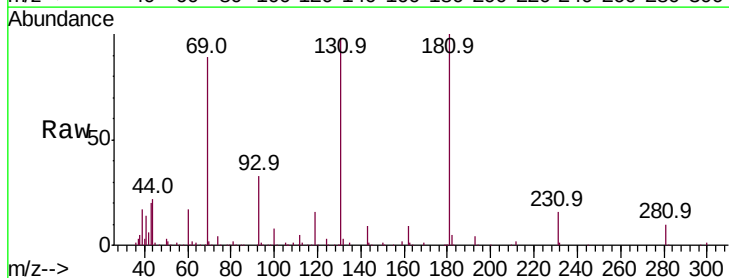
Acq: 24 Jun 2019 22:37

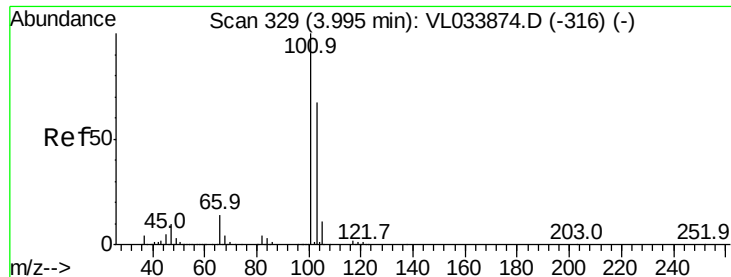
Tgt Ion: 41 Resp: 30724

Ion Ratio Lower Upper

41 100

42 51.0 56.3 84.5#





#11

Trichlorofluoromethane

Concen: 0.278 ppbv

RT: 3.99 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

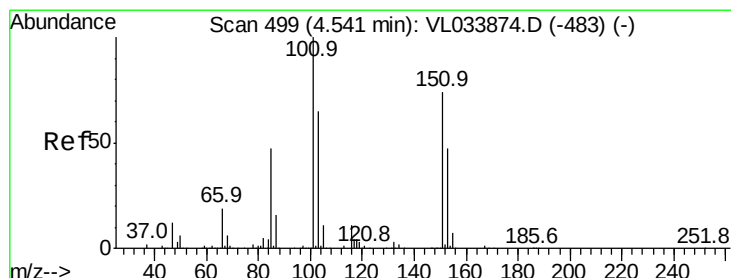
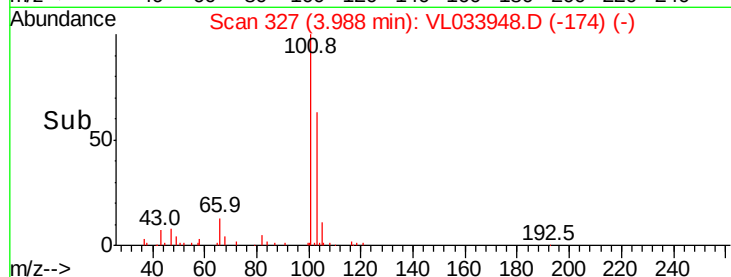
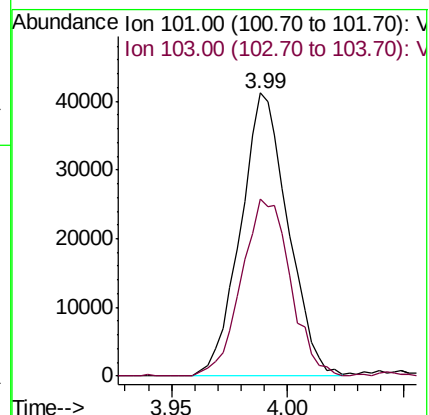
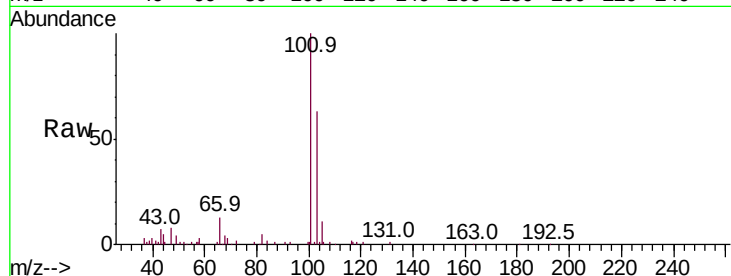
TZC-SSDS-AREA-C-1

Tot Ion:101 Resp: 58544

Ion Ratio Lower Upper

101 100

103 62.6 53.6 80.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.059 ppbv

RT: 4.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL033948.D

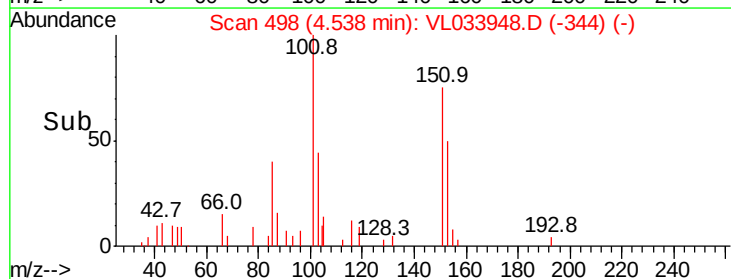
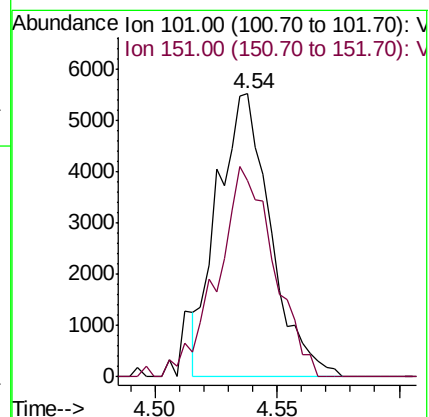
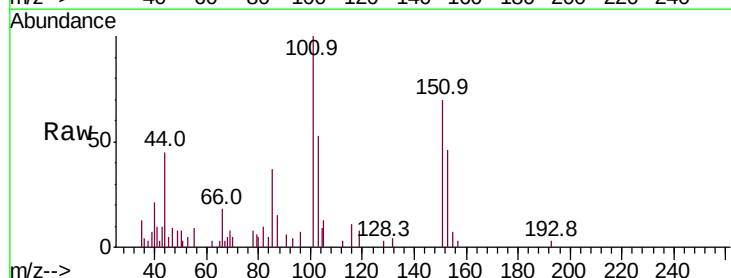
Acq: 24 Jun 2019 22:37

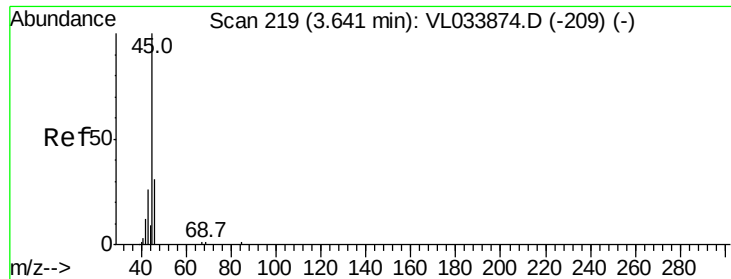
Tgt Ion:101 Resp: 8402

Ion Ratio Lower Upper

101 100

151 78.8 58.6 87.8

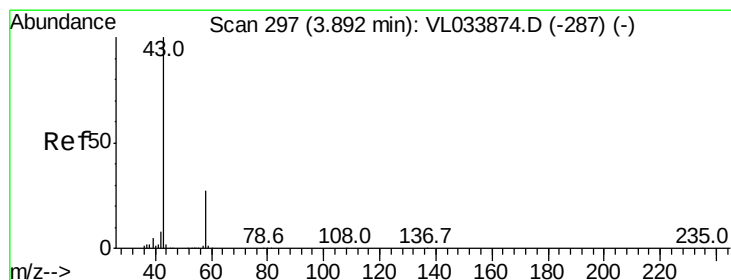
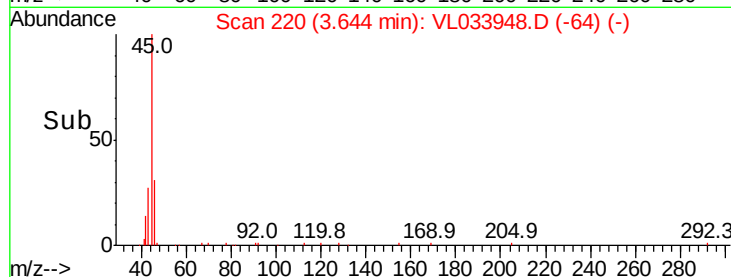
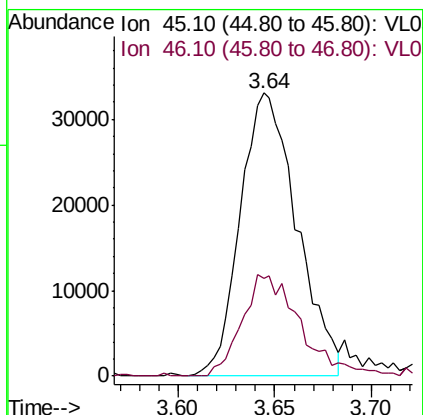
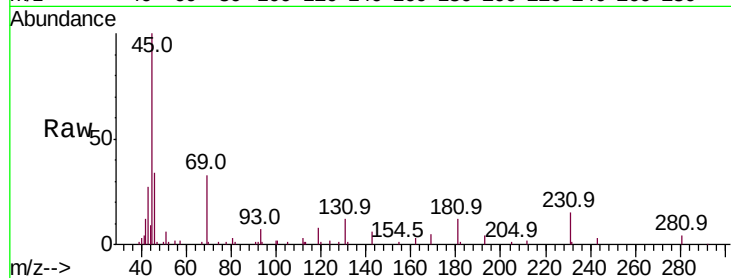




#13
Ethanol
Concen: 4.690 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033948.D
Acq: 24 Jun 2019 22:37

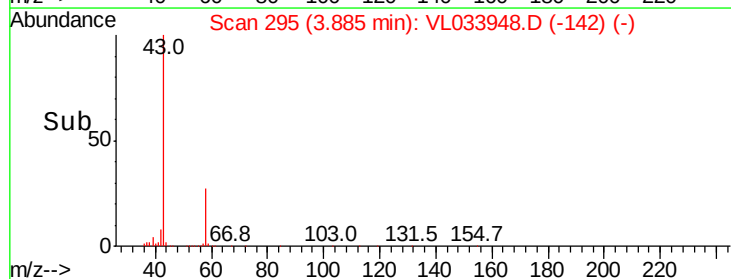
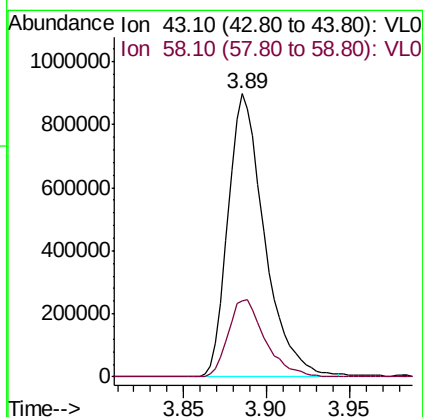
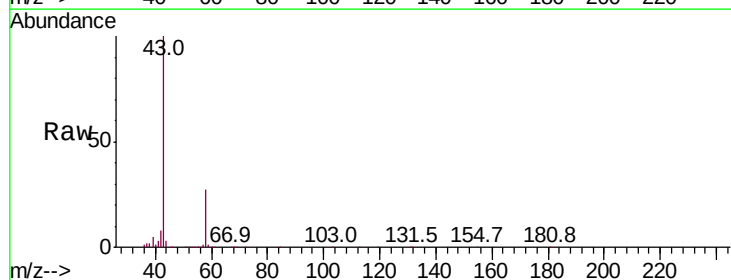
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-C-1

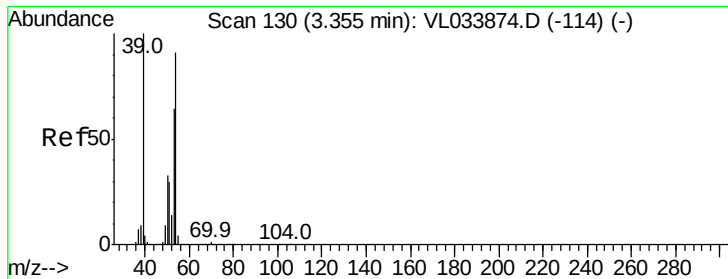
Tot Ion: 45 Resp: 67508
Ion Ratio Lower Upper
45 100
46 37.5 15.3 61.1



#15
Acetone
Concen: 9.383 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033948.D
Acq: 24 Jun 2019 22:37

Tgt Ion: 43 Resp: 1374345
Ion Ratio Lower Upper
43 100
58 28.0 21.3 31.9





#16

1,3-Butadiene

Concen: 0.162 ppbv

RT: 3.33 min Scan# 123

Delta R.T. -0.02 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

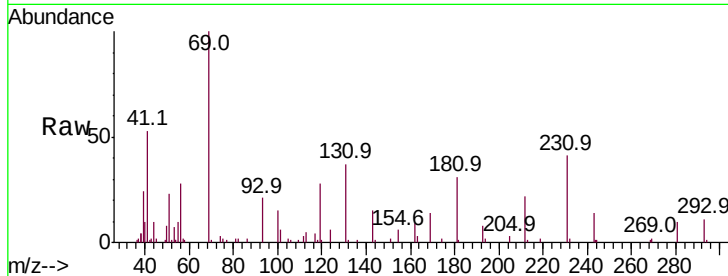
TZC-SSDS-AREA-C-1

Tot Ion: 39 Resp: 9030

Ion Ratio Lower Upper

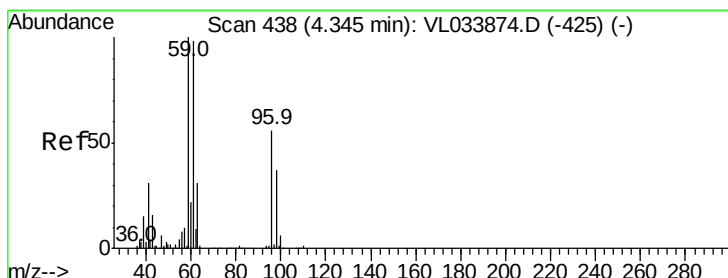
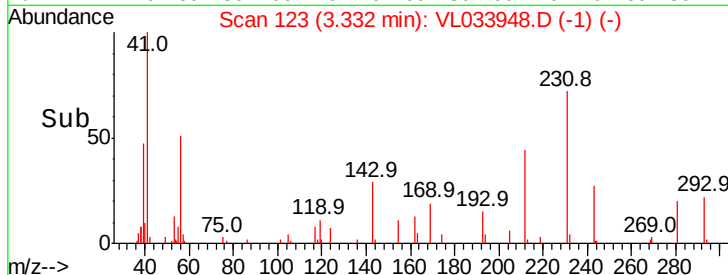
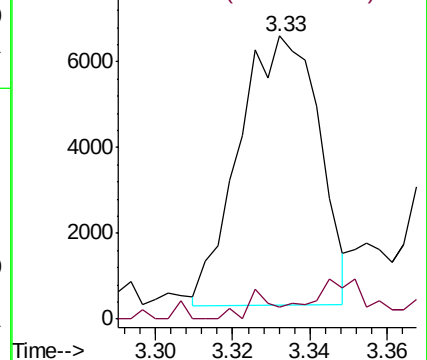
39 100

54 15.2 68.6 103.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



#17

tert-Butyl alcohol

Concen: 0.061 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.02 min

Lab File: VL033948.D

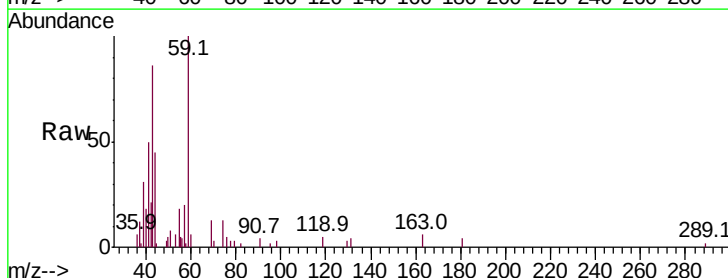
Acq: 24 Jun 2019 22:37

Tgt Ion: 59 Resp: 7011

Ion Ratio Lower Upper

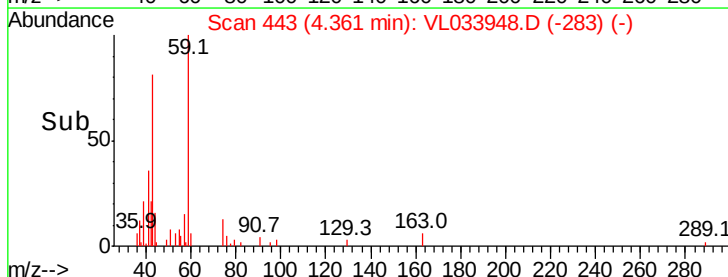
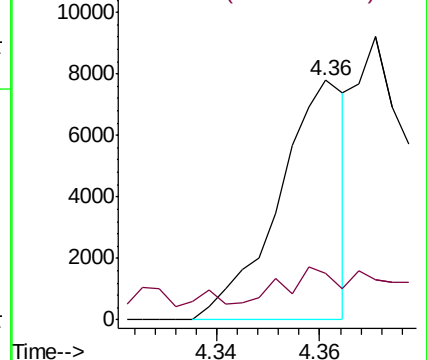
59 100

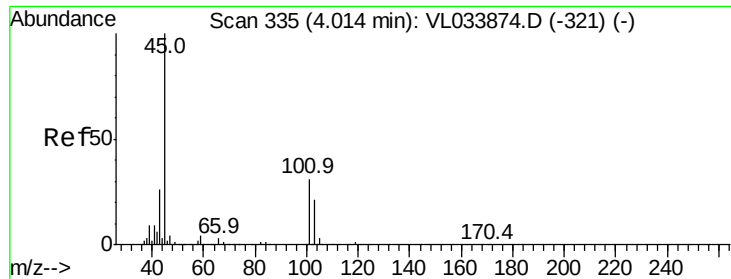
57 113.8 8.4 12.6#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#19

Isopropyl Alcohol

Concen: 0.531 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.02 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

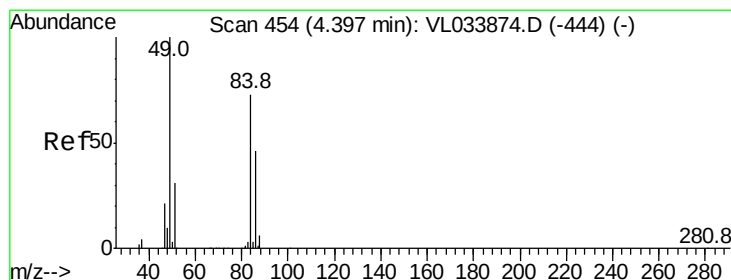
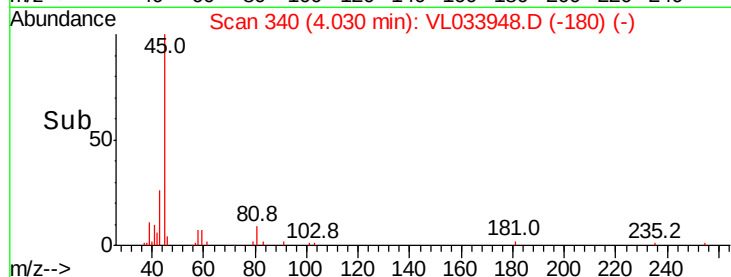
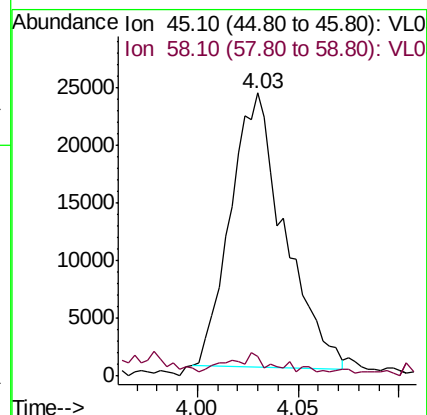
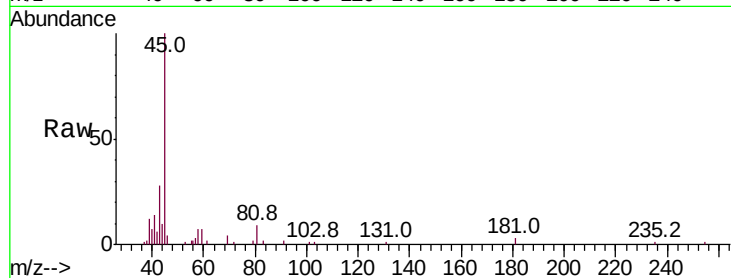
TZC-SSDS-AREA-C-1

Tot Ion: 45 Resp: 44430

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.6#



#20

Methylene Chloride

Concen: 1.126 ppbv

RT: 4.39 min Scan# 453

Delta R.T. -0.00 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Tgt Ion: 84 Resp: 64328

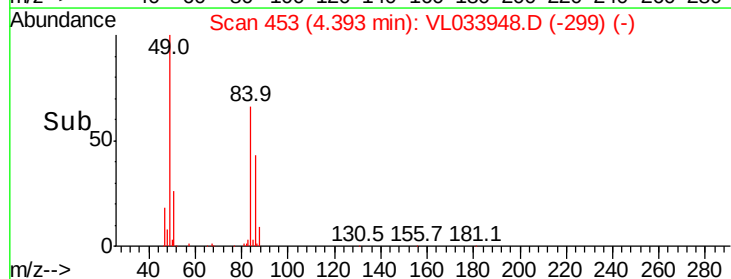
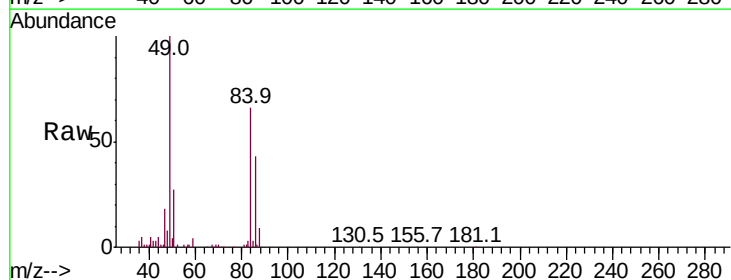
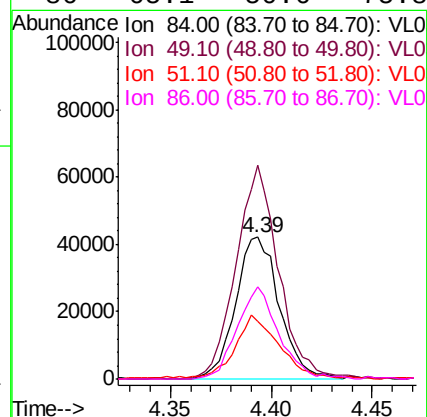
Ion Ratio Lower Upper

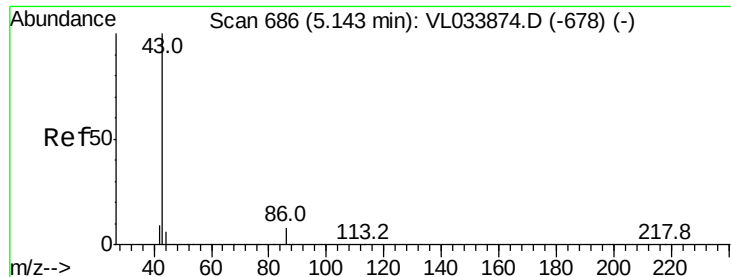
84 100

49 150.0 110.0 165.0

51 39.5 34.6 51.8

86 65.1 50.6 75.8





#23

Vinyl Acetate

Concen: 0.227 ppbv

RT: 5.13 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-C-1

Tot Ion: 43 Resp: 38650

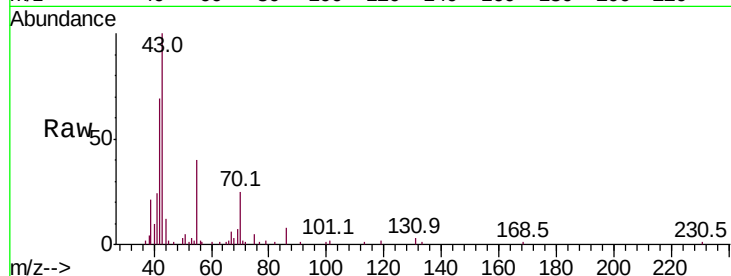
Ion Ratio Lower Upper

43 100

86 7.9 5.8 8.8

42 62.9 7.8 11.8#

44 4.3 4.2 6.4

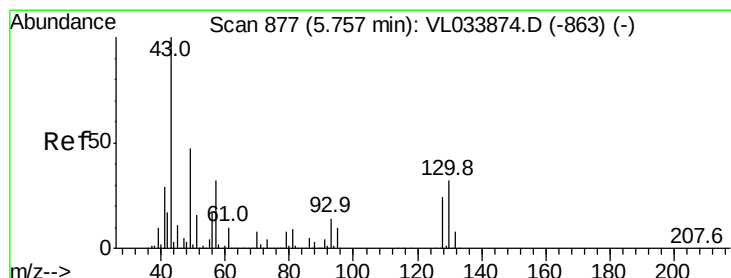
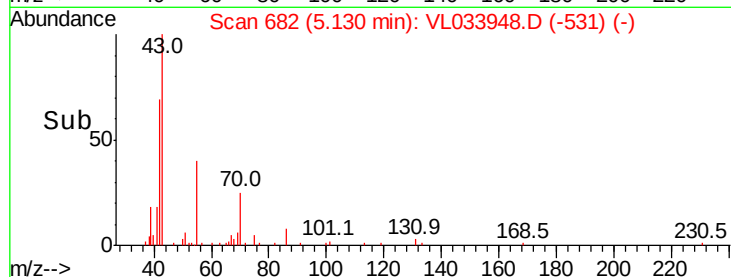
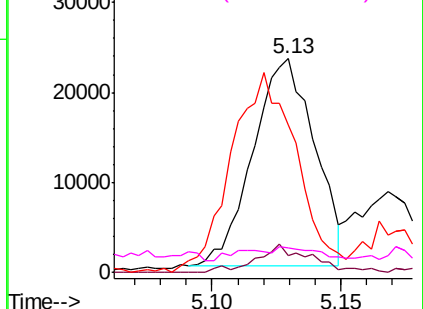


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.495 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Tgt Ion: 43 Resp: 110404

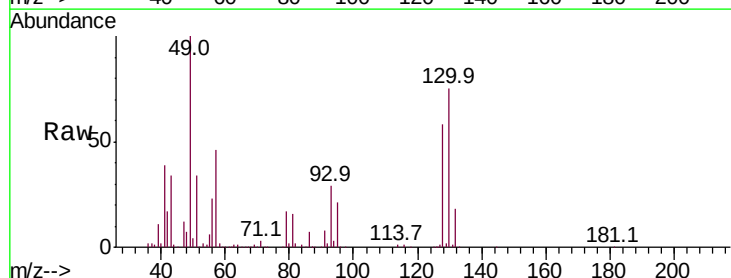
Ion Ratio Lower Upper

43 100

45 2.3 7.9 11.9#

61 0.9 7.8 11.6#

70 2.4 5.8 8.6#

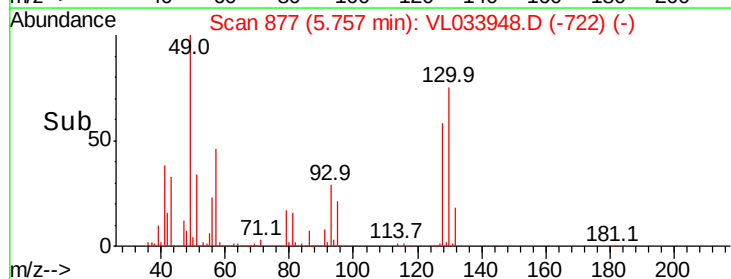
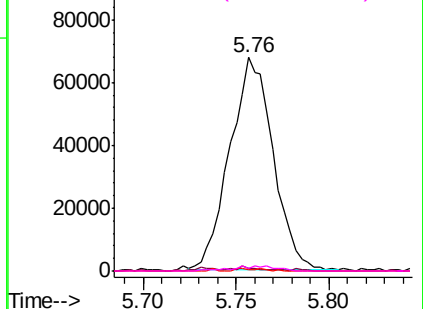


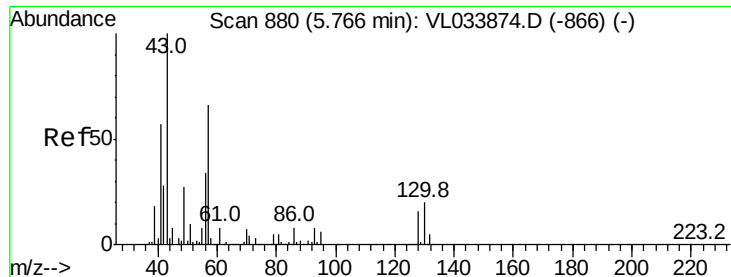
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.486 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-C-1

Tot Ion: 57 Resp: 150914

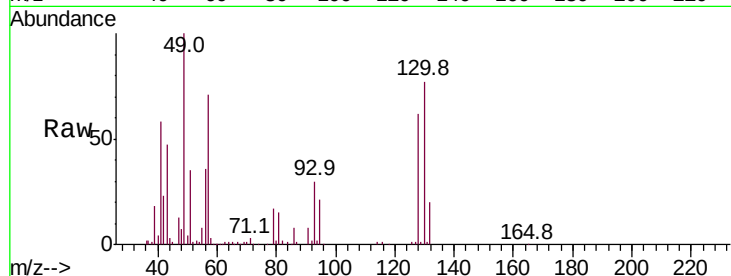
Ion Ratio Lower Upper

57 100

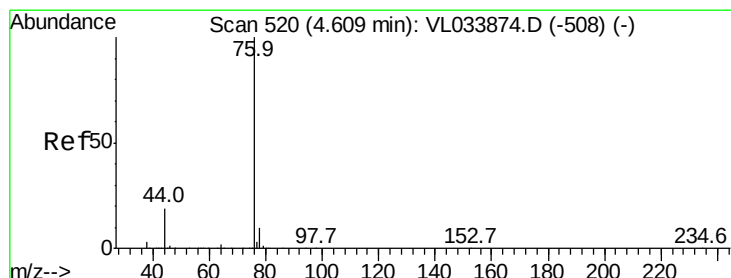
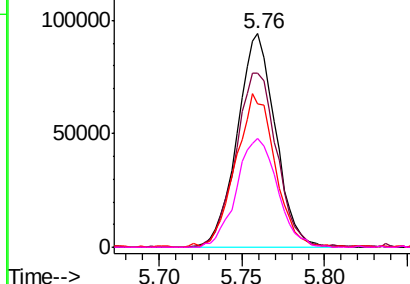
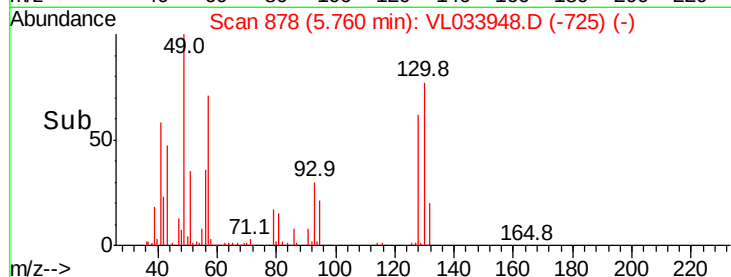
41 88.8 71.4 107.2

43 74.4 183.7 275.5#

56 54.6 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: 0.063 ppbv

RT: 4.61 min Scan# 519

Delta R.T. -0.00 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

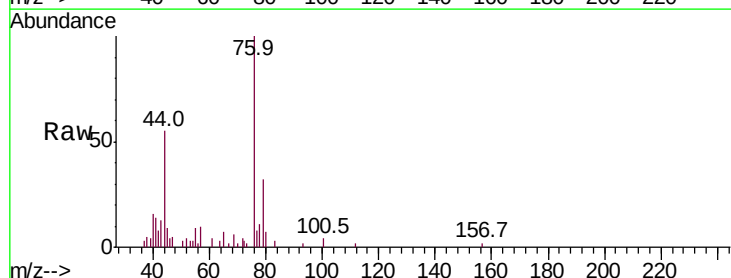
Tgt Ion: 76 Resp: 8868

Ion Ratio Lower Upper

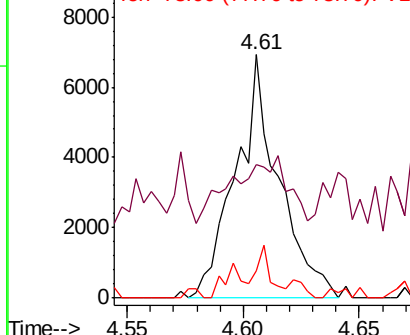
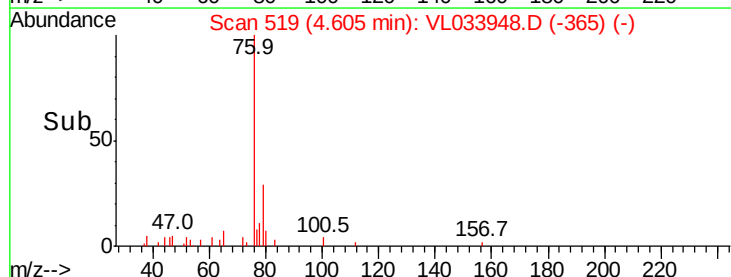
76 100

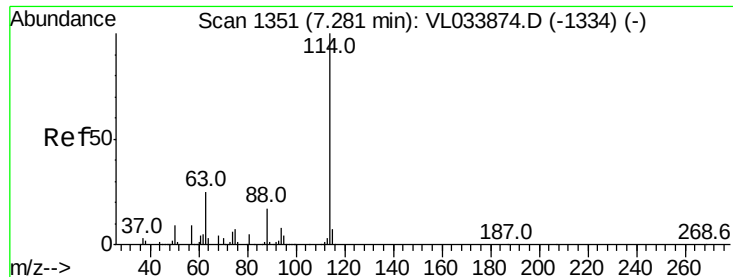
44 54.5 14.4 21.6#

78 18.3 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

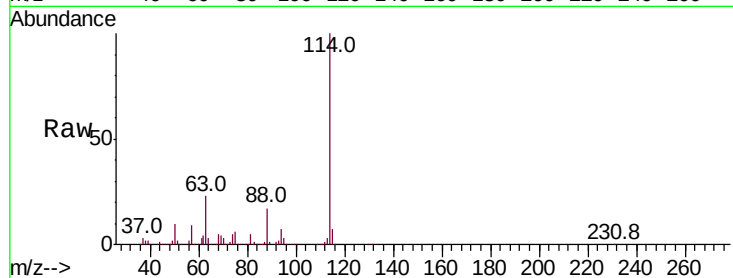




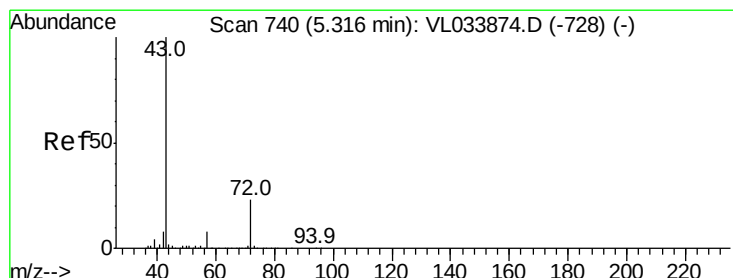
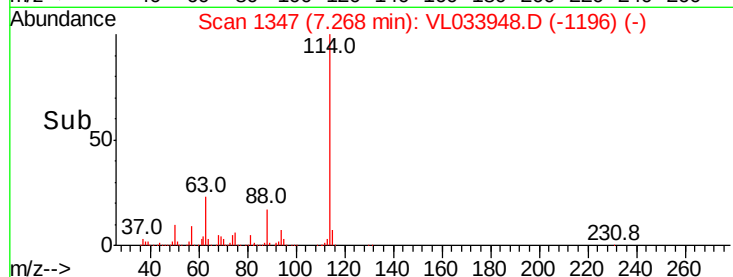
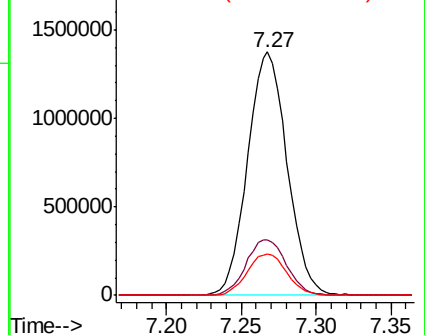
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.27 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VL033948.D
 Acq: 24 Jun 2019 22:37

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-C-1

Tot Ion:114 Resp: 2528055
 Ion Ratio Lower Upper
 114 100
 63 23.6 21.1 31.7
 88 17.2 14.2 21.4

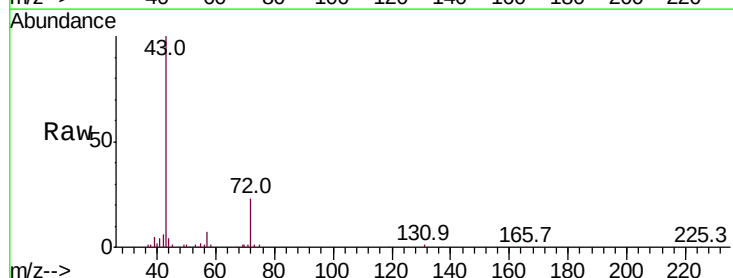


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

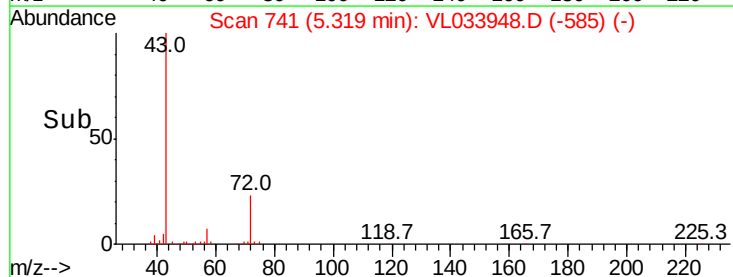
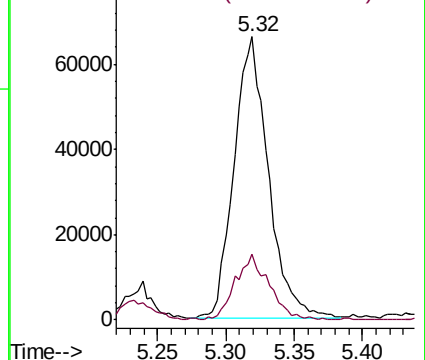


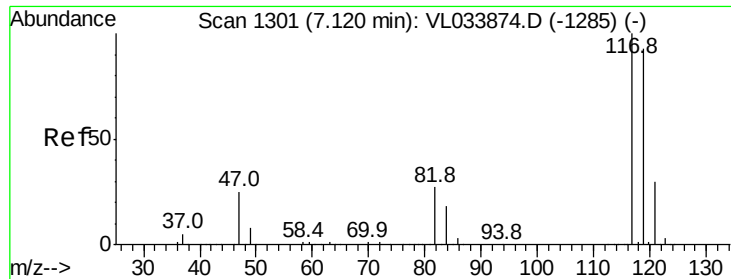
#34
 2-Butanone
 Concen: 0.812 ppbv
 RT: 5.32 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: VL033948.D
 Acq: 24 Jun 2019 22:37

Tgt Ion: 43 Resp: 115819
 Ion Ratio Lower Upper
 43 100
 72 22.9 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: 0.049 ppbv

RT: 7.11 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-C-1

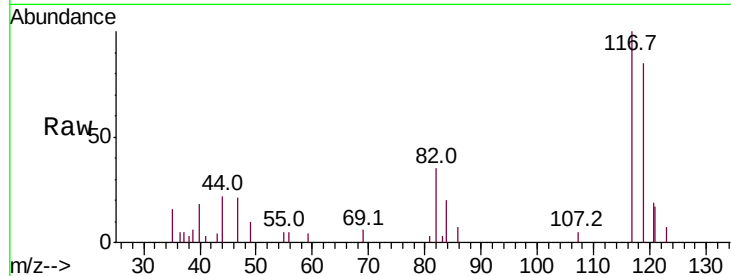
Tot Ion:117 Resp: 9520

Ion Ratio Lower Upper

117 100

119 87.8 74.6 111.8

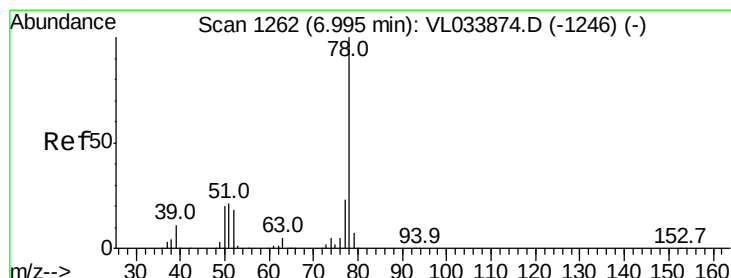
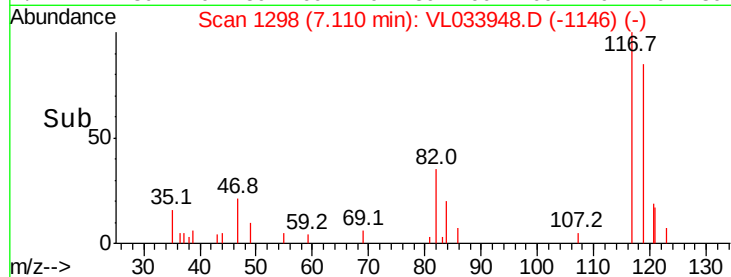
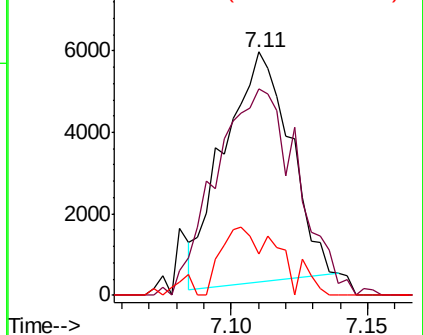
121 18.9 24.0 36.0#



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: 0.034 ppbv

RT: 6.98 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

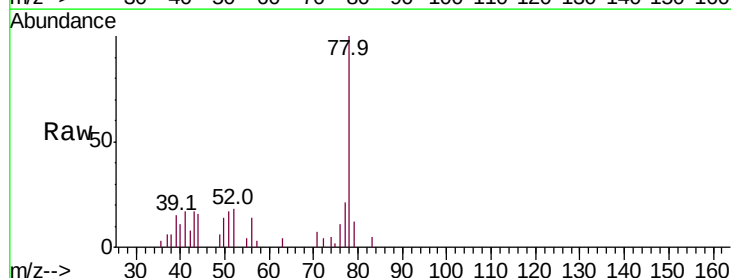
Tgt Ion: 78 Resp: 6641

Ion Ratio Lower Upper

78 100

77 17.4 18.2 27.2#

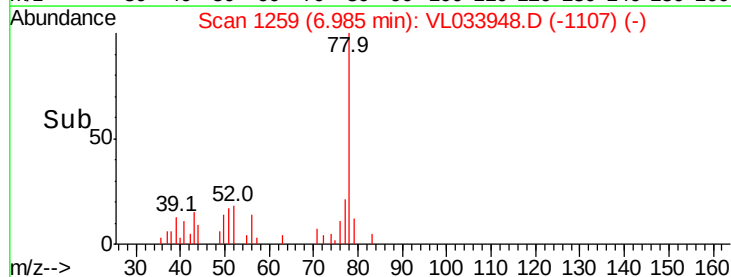
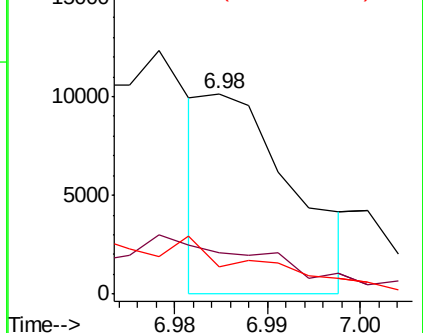
50 9.4 15.9 23.9#

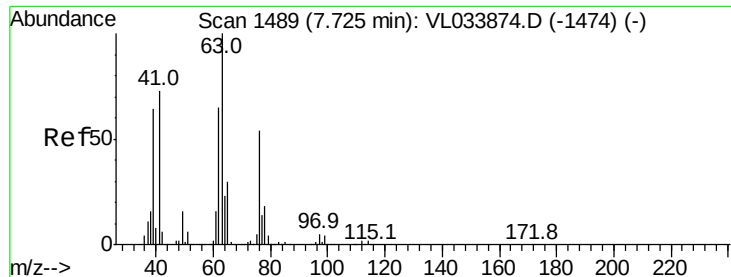


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 7.976 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. -0.46 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-C-1

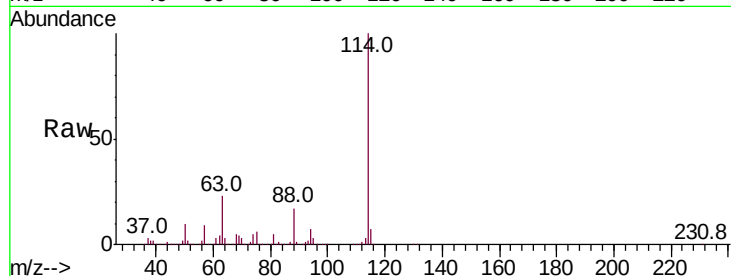
Tot Ion: 63 Resp: 594458

Ion Ratio Lower Upper

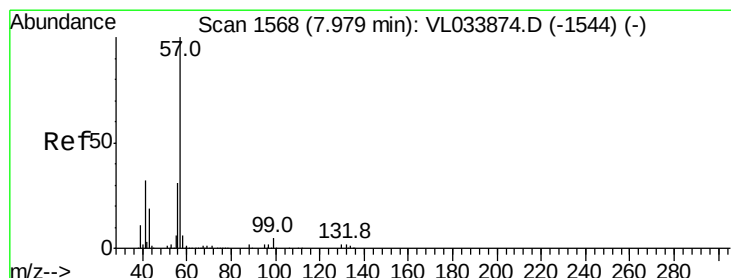
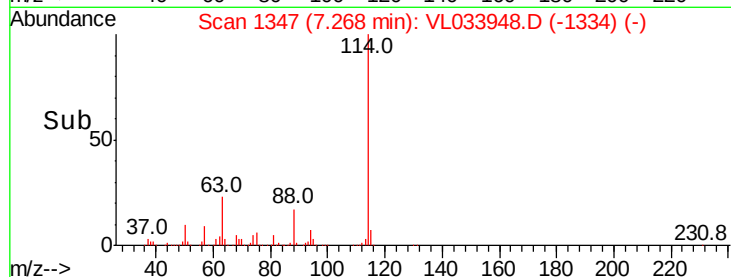
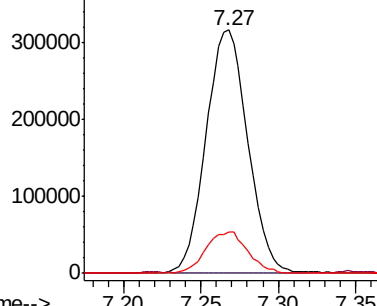
63 100

41 0.0 58.7 88.1#

62 16.9 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



#44

2,2,4-Trimethylpentane

Concen: 0.037 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

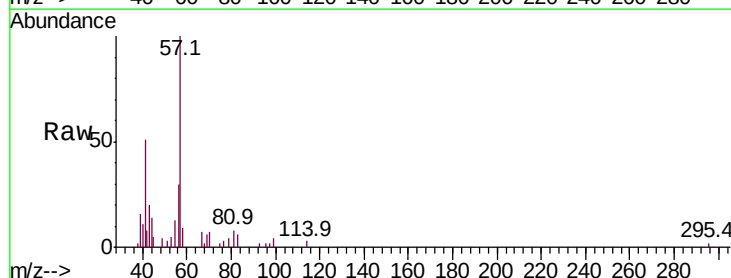
Tgt Ion: 57 Resp: 12617

Ion Ratio Lower Upper

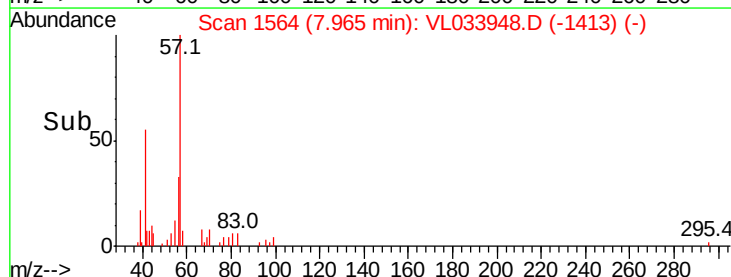
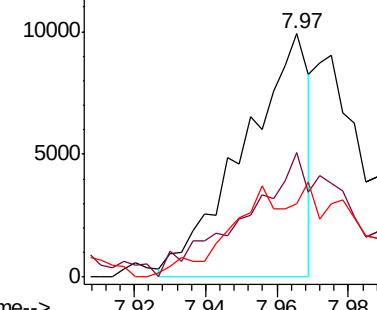
57 100

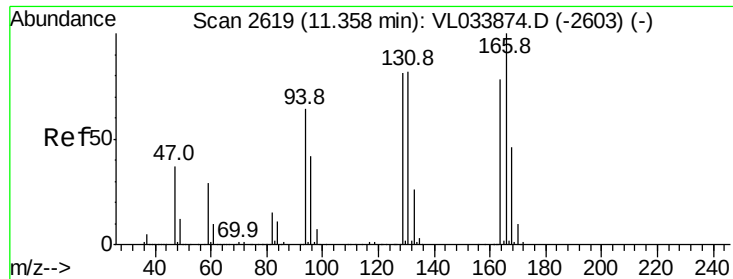
41 102.1 26.1 39.1#

56 76.2 24.6 36.8#



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





#52

Tetrachloroethene

Concen: 0.128 ppbv

RT: 11.34 min Scan# 2612

Delta R.T. -0.02 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-C-1

Tot Ion:164 Resp: 8688

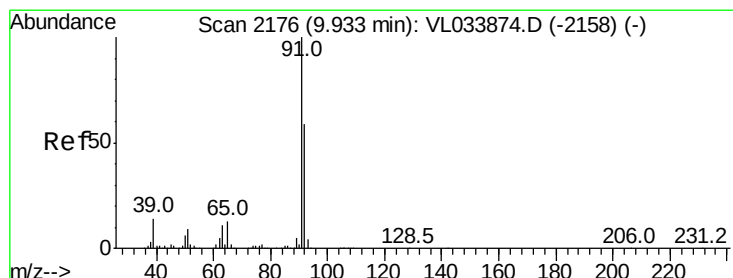
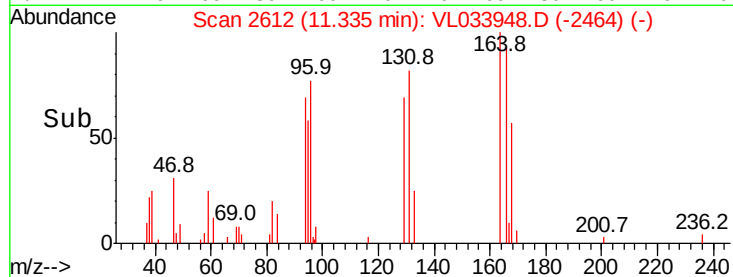
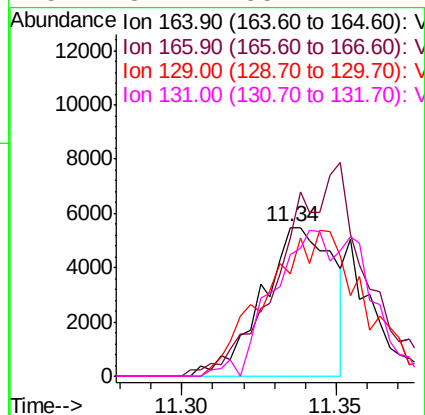
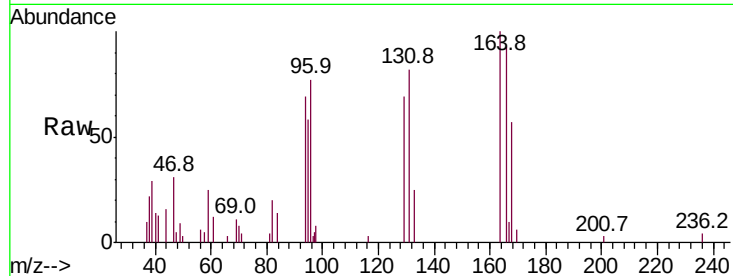
Ion Ratio Lower Upper

164 100

166 89.2 103.1 154.7#

129 69.0 83.9 125.9#

131 81.7 85.1 127.7#



#53

Toluene

Concen: 9.252 ppbv

RT: 9.91 min Scan# 2170

Delta R.T. -0.02 min

Lab File: VL033948.D

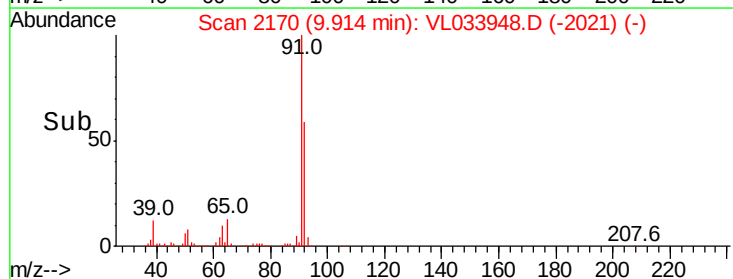
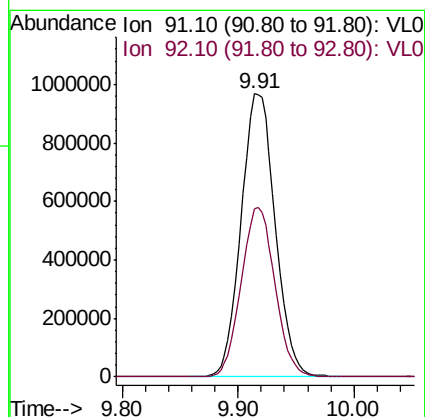
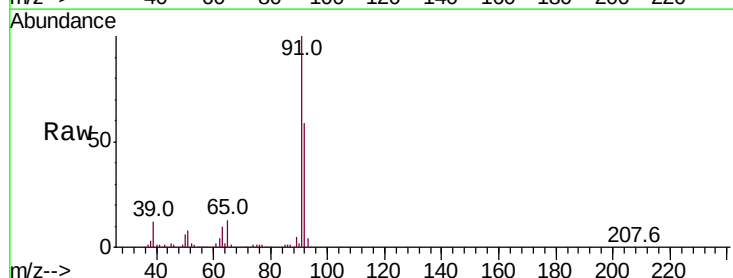
Acq: 24 Jun 2019 22:37

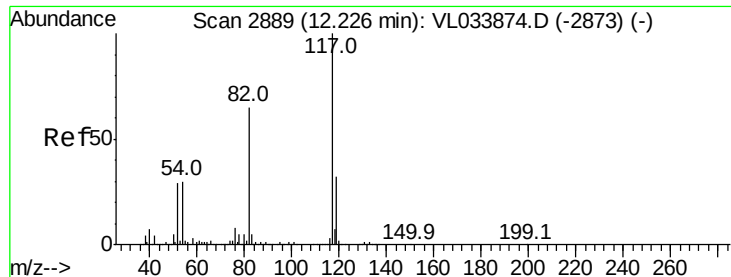
Tgt Ion: 91 Resp: 1977165

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# 2883

Delta R.T. -0.02 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-C-1

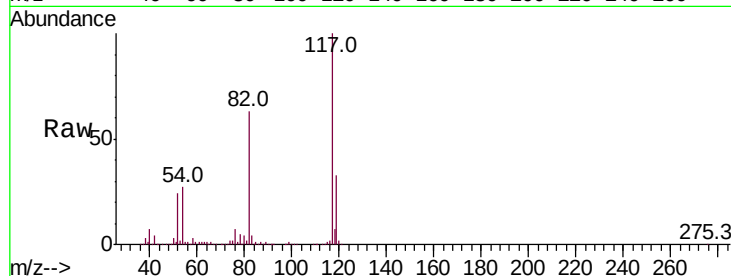
Tot Ion:117 Resp: 2552916

Ion	Ratio	Lower	Upper
117	100		
82	61.8	50.2	75.2
119	32.8	24.8	37.2

117 100

82 61.8 50.2 75.2

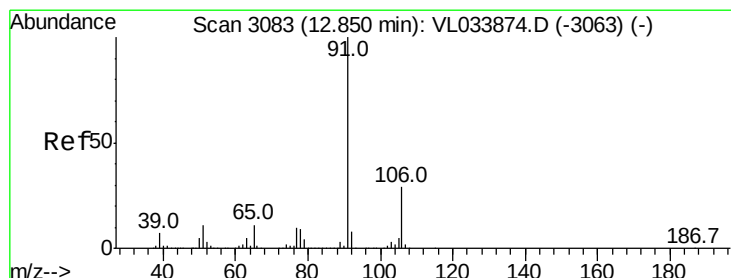
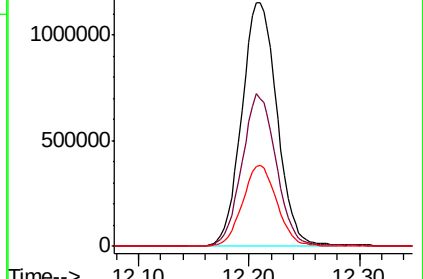
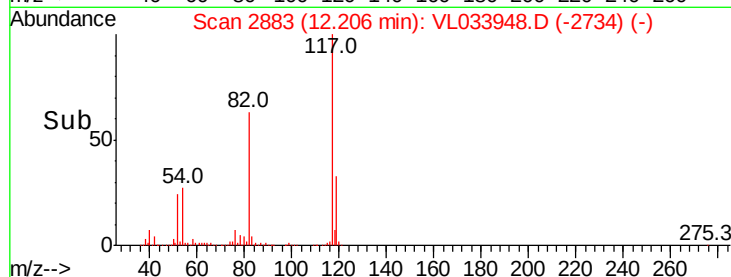
119 32.8 24.8 37.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 1.017 ppbv

RT: 12.84 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL033948.D

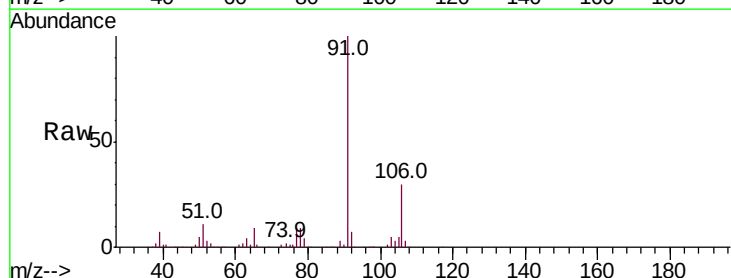
Acq: 24 Jun 2019 22:37

Tgt Ion: 91 Resp: 292694

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.0	34.6

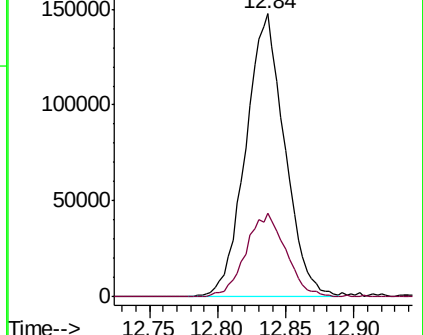
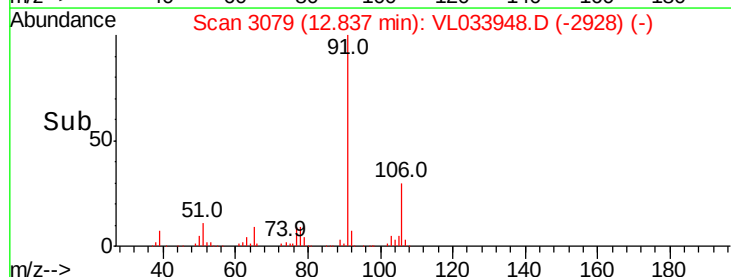
91 100

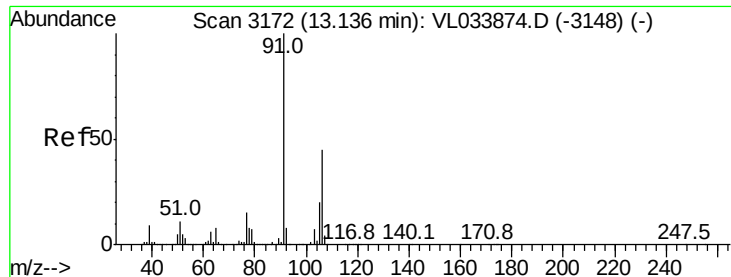
106 29.7 23.0 34.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 4.634 ppbv

RT: 13.09 min Scan# 3157

Delta R.T. -0.05 min

Lab File: VL033948.D

Acq: 24 Jun 2019 22:37

Instrument :

MSVOA_L

ClientSampleId :

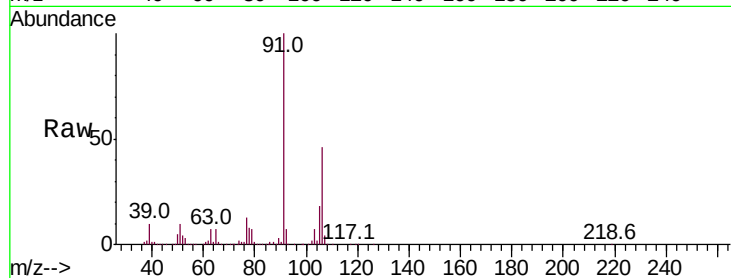
TZC-SSDS-AREA-C-1

Tot Ion: 91 Resp: 1212890

Ion Ratio Lower Upper

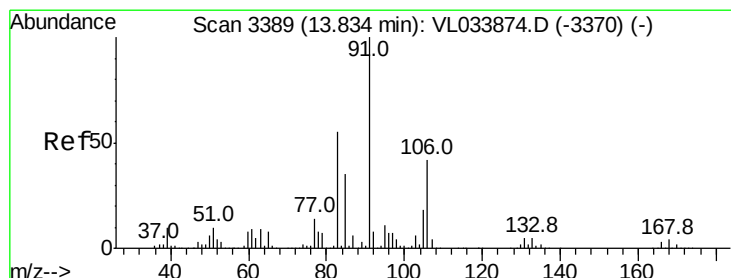
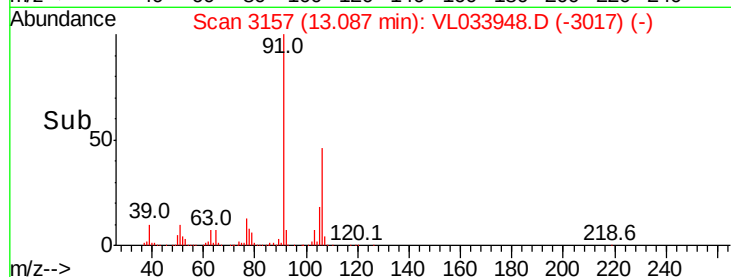
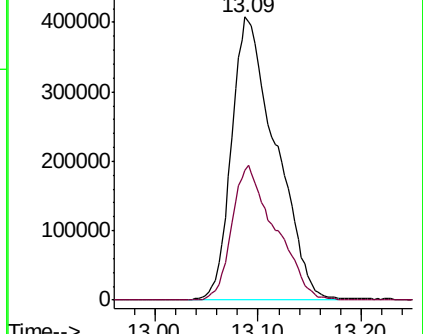
91 100

106 46.9 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: 1.458 ppbv

RT: 13.82 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VL033948.D

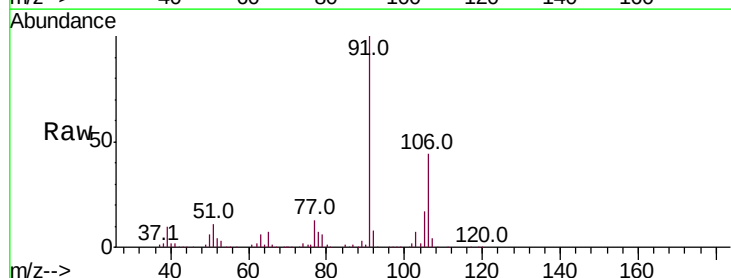
Acq: 24 Jun 2019 22:37

Tgt Ion: 91 Resp: 394023

Ion Ratio Lower Upper

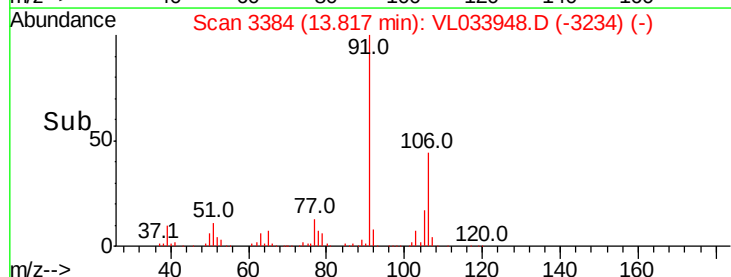
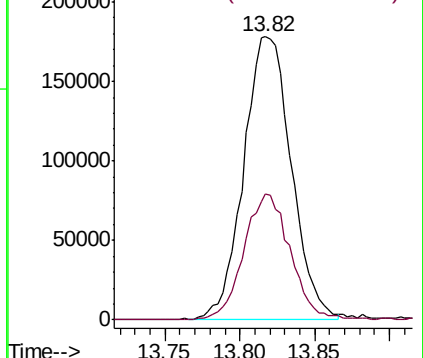
91 100

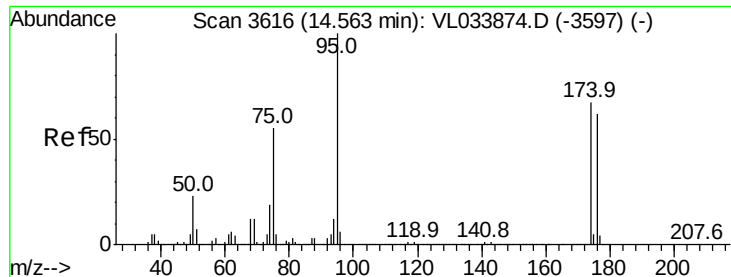
106 43.5 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

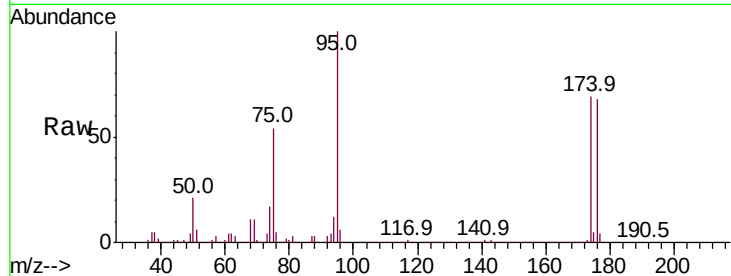




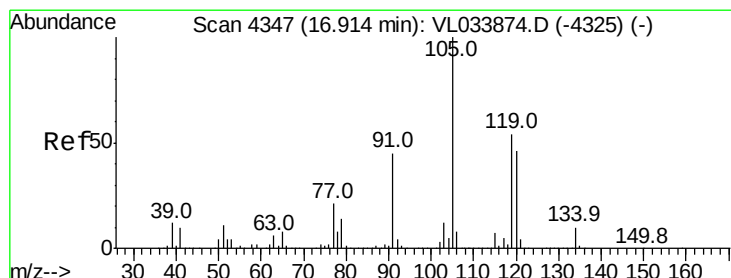
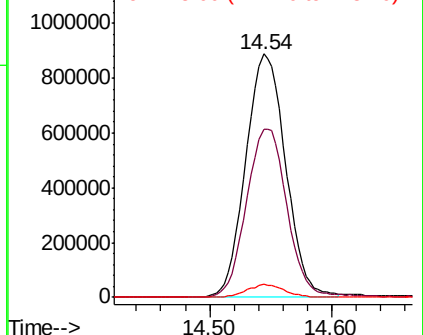
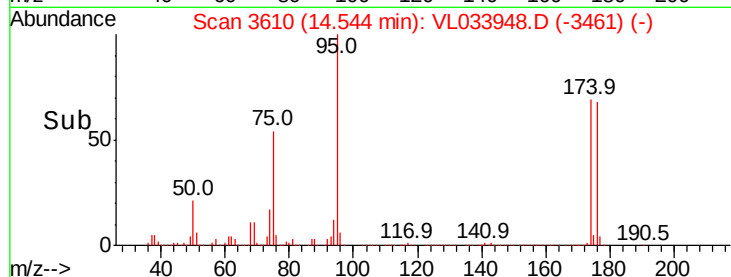
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.596 ppbv
 RT: 14.54 min Scan# 3610
 Delta R.T. -0.02 min
 Lab File: VL033948.D
 Acq: 24 Jun 2019 22:37

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-C-1

Tot Ion: 95 Resp: 2012210
 Ion Ratio Lower Upper
 95 100
 174 70.8 54.0 81.0
 175 5.1 3.8 5.8

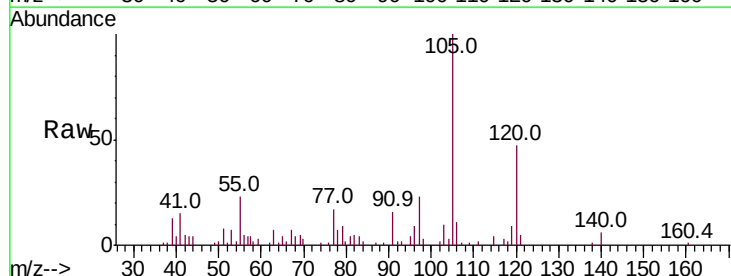


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



#74
 1,2,4-Trimethylbenzene
 Concen: 0.156 ppbv
 RT: 16.89 min Scan# 4341
 Delta R.T. -0.02 min
 Lab File: VL033948.D
 Acq: 24 Jun 2019 22:37

Tgt Ion: 105 Resp: 54560
 Ion Ratio Lower Upper
 105 100
 120 52.2 36.7 55.1
 91 14.0 35.8 53.8#
 77 17.7 16.9 25.3



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

