

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033945.D
 Acq On : 24 Jun 2019 20:36
 Operator : SY/AP
 Sample : K3481-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-A-1DL

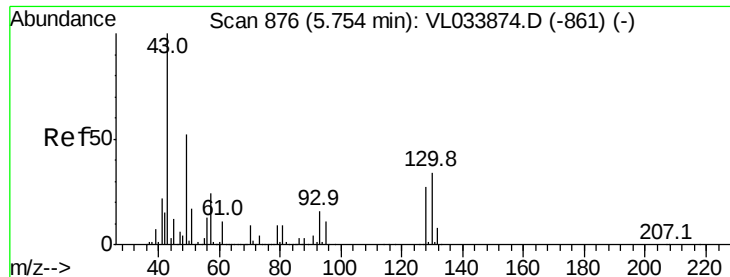
Quant Time: Jun 25 03:40:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1064753	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2773929	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.21	117	2859702	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.55	95	2306116	9.82	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	11004	0.064	ppbv	99
3) Chlorodifluoromethane	3.00	51	20846	0.166	ppbv #	91
9) Propene	3.03	41	17423	0.371	ppbv	98
10) Heptane	8.22	43	303265	2.558	ppbv	85
11) Trichlorofluoromethane	3.99	101	38867	0.174	ppbv	94
13) Ethanol	3.64	45	128957	8.451	ppbv	96
15) Acetone	3.88	43	11270514	72.577	ppbv #	84
16) 1,3-Butadiene	3.33	39	317928	5.379	ppbv #	11
17) tert-Butyl alcohol	4.35	59	1847320	15.218	ppbv	99
19) Isopropyl Alcohol	4.02	45	91130	1.027	ppbv #	94
20) Methylene Chloride	4.40	84	13184	0.218	ppbv #	79
21) Allyl Chloride	4.34	41	557204	6.317	ppbv #	56
23) Vinyl Acetate	5.13	43	9288	0.051	ppbv #	1
25) Ethyl Acetate	5.76	43	39359	0.166	ppbv #	82
26) Hexane	5.76	57	58765	0.546	ppbv #	40
27) Carbon Disulfide	4.60	76	29494	0.197	ppbv #	62
34) 2-Butanone	5.31	43	919595	5.876	ppbv	98
36) Benzene	6.98	78	534711	2.523	ppbv	96
39) 1,2-Dichloropropane	8.15	63	21819	0.267	ppbv #	1
40) 1,4-Dioxane	7.95	88	4629	0.139	ppbv #	1
41) Tetrahydrofuran	6.10	42	260474	3.279	ppbv #	42
42) Bromodichloromethane	8.15	83	63098	0.301	ppbv #	27
43) Methyl Methacrylate	8.16	69	1140762	14.394	ppbv #	72
50) 4-Methyl-2-Pentanone	8.85	43	139419	0.597	ppbv	99
51) 2-Hexanone	10.26	43	12620	0.069	ppbv #	59
52) Tetrachloroethene	11.34	164	4053	0.054	ppbv #	70
53) Toluene	9.92	91	2529469	10.787	ppbv	99
58) Ethyl Benzene	12.83	91	898159	2.786	ppbv	99
59) m/p-Xylene	13.09	91	3036866	10.358	ppbv	97
60) o-Xylene	13.82	91	1829025	6.042	ppbv	99
61) Styrene	13.66	104	6706144	34.232	ppbv	96
62) Isopropylbenzene	14.80	105	332723	0.815	ppbv	99
64) n-propylbenzene	15.69	120	61281	0.587	ppbv	92
71) 2-Chlorotoluene	15.69	91	282684	0.940	ppbv #	45
72) 4-Ethyltoluene	15.97	105	12019	0.035	ppbv #	55

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 874

Delta R.T. -0.01 min

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TZC-SSDS-AREA-A-1DL

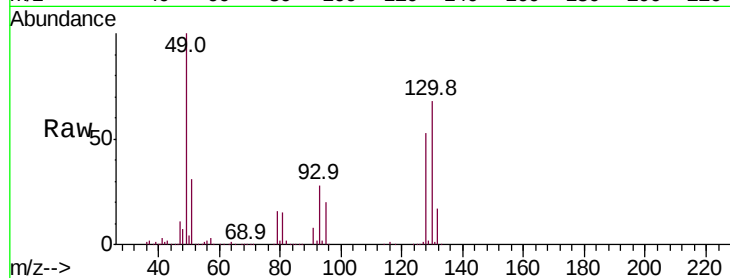
Tot Ion: 49 Resp: 1064753

Ion Ratio Lower Upper

49 100

128 52.9 25.5 76.5

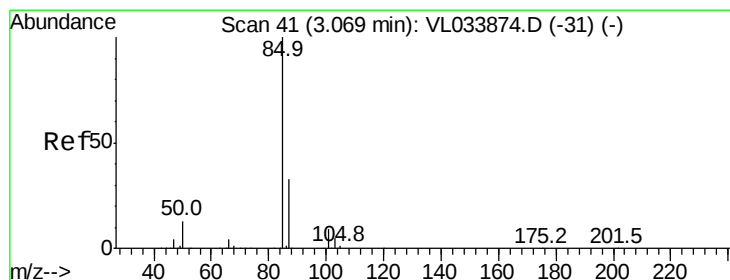
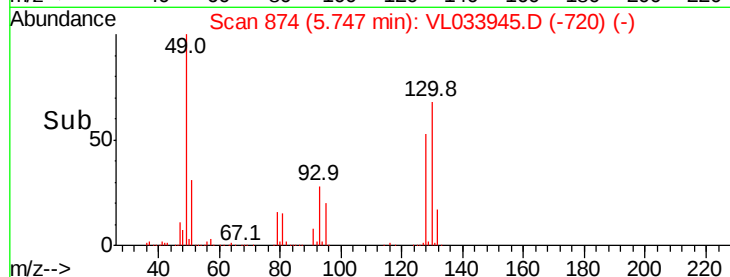
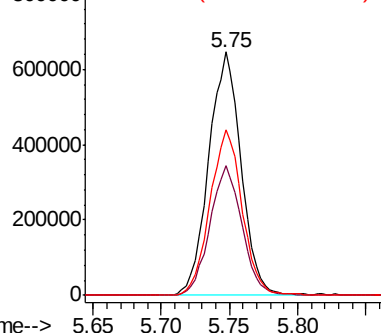
130 68.0 32.5 97.4



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: 0.064 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL033945.D

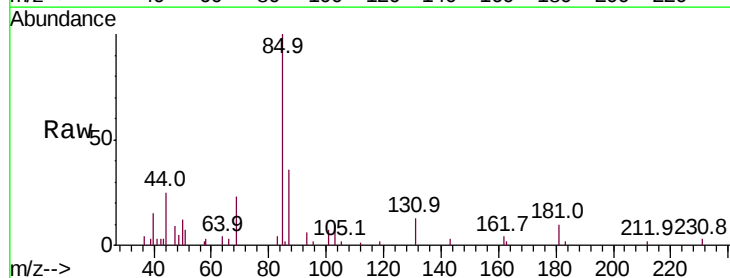
Acq: 24 Jun 2019 20:36

Tgt Ion: 85 Resp: 11004

Ion Ratio Lower Upper

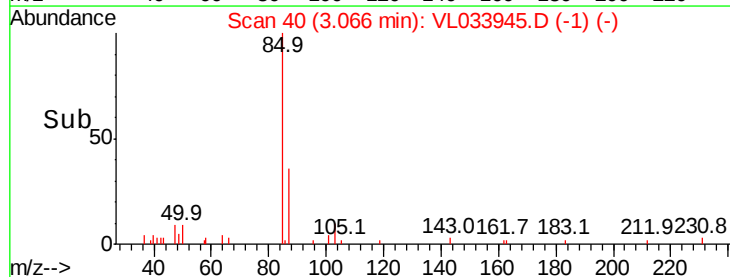
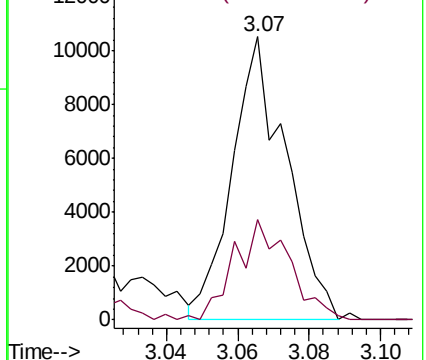
85 100

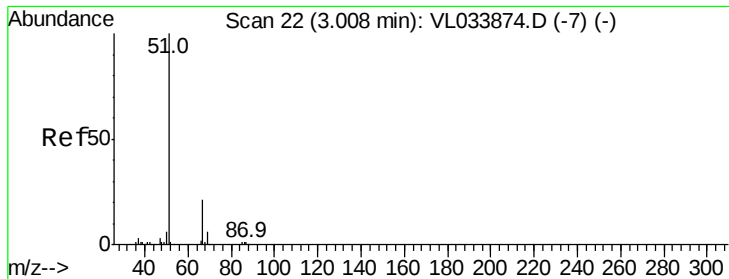
87 33.6 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

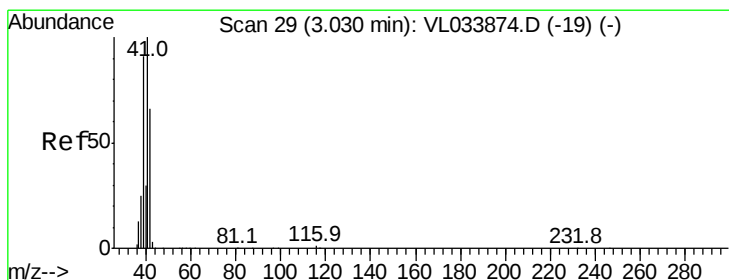
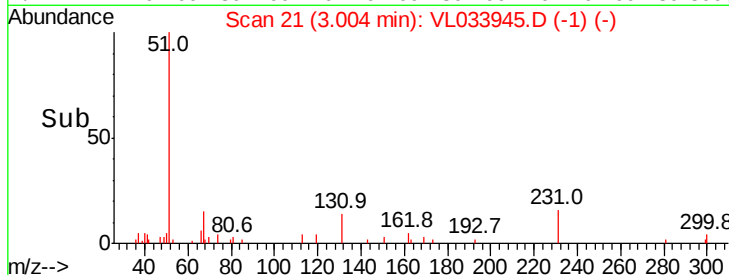
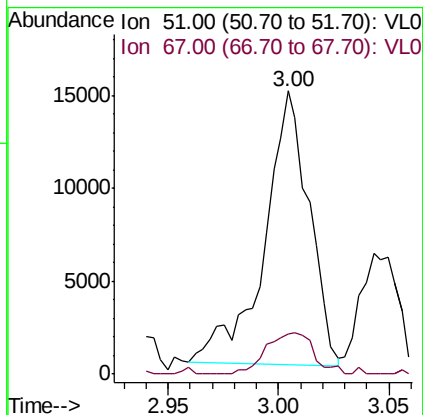
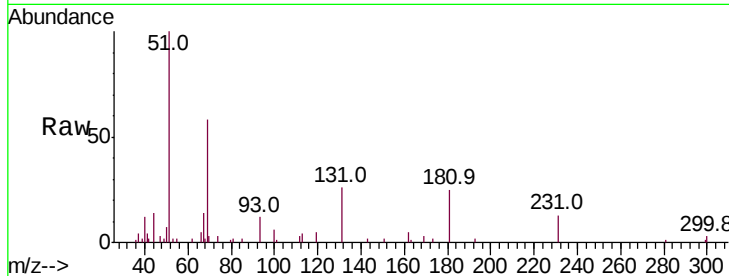




#3
Chlorodifluoromethane
Concen: 0.166 ppbv
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

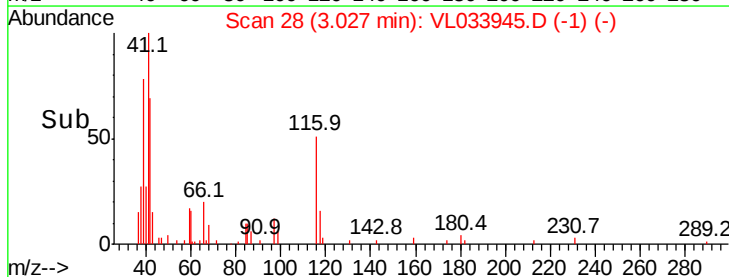
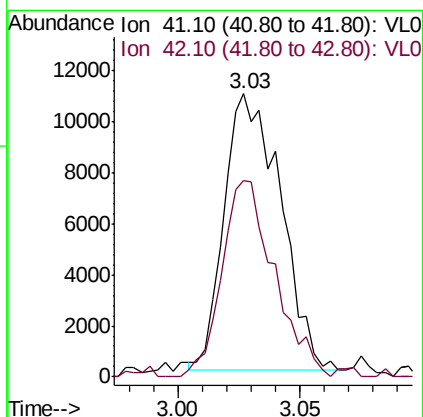
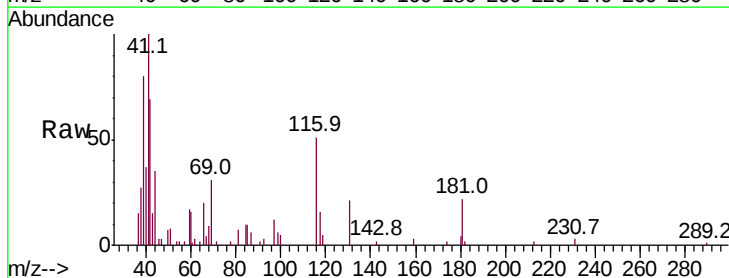
Instrument :
MSVOA_L
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TZC-SSDS-AREA-A-1DL

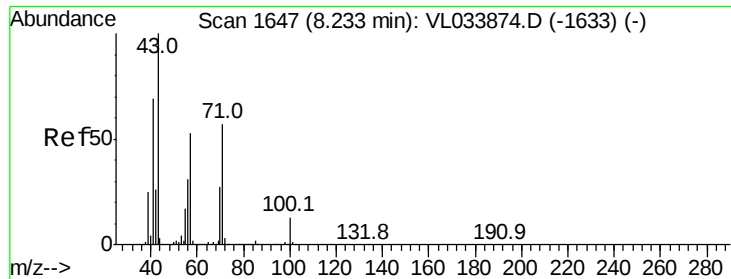
Tot Ion: 51 Resp: 20846
Ion Ratio Lower Upper
51 100
67 16.3 16.4 24.6#



#9
Propene
Concen: 0.371 ppbv
RT: 3.03 min Scan# 28
Delta R.T. -0.00 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

Tgt Ion: 41 Resp: 17423
Ion Ratio Lower Upper
41 100
42 68.5 56.3 84.5





#10

Heptane

Concen: 2.558 ppbv

RT: 8.22 min Scan# 1644

Delta R.T. -0.01 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

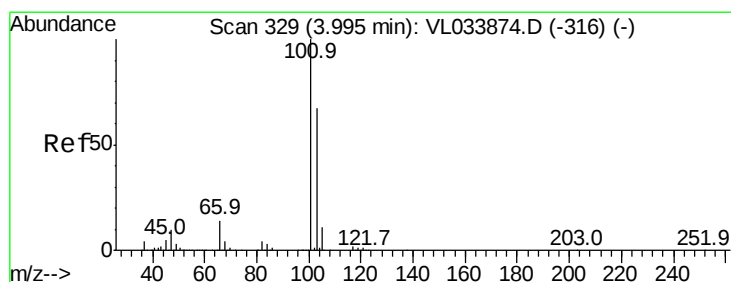
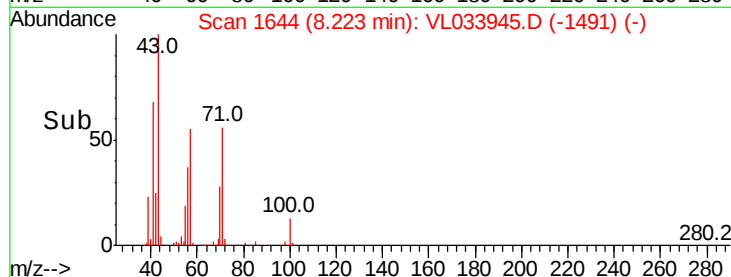
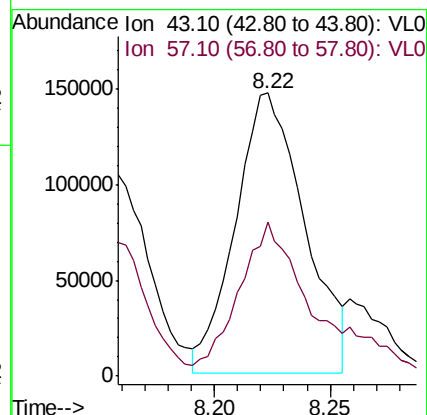
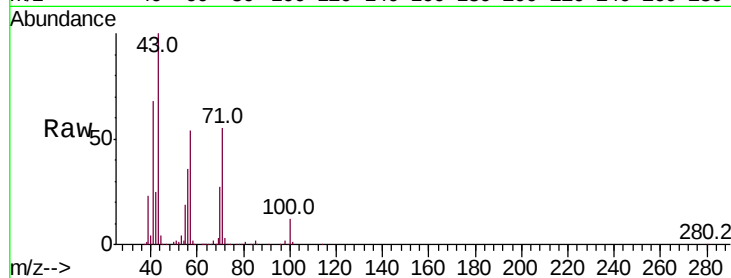
TZC-SSDS-AREA-A-1DL

Tot Ion: 43 Resp: 303265

Ion Ratio Lower Upper

43 100

57 62.4 41.7 62.5



#11

Trichlorofluoromethane

Concen: 0.174 ppbv

RT: 3.99 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL033945.D

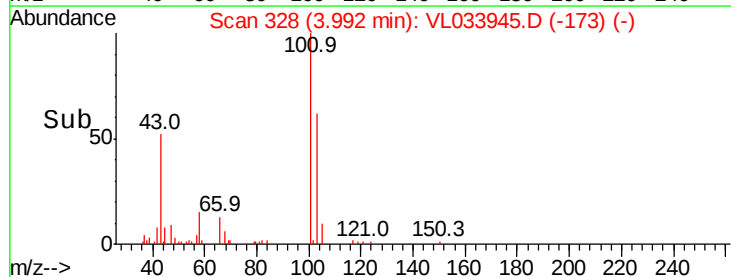
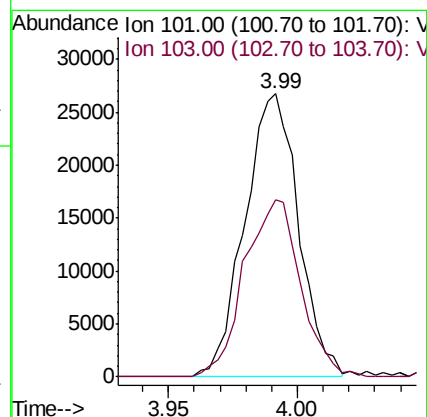
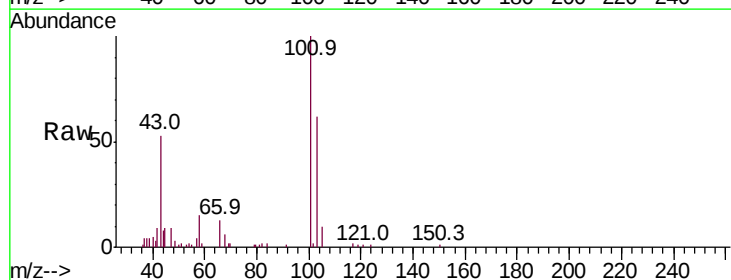
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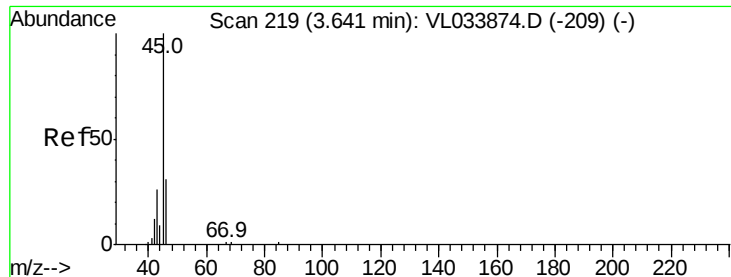
Tgt Ion: 101 Resp: 38867

Ion Ratio Lower Upper

101 100

103 62.4 53.6 80.4

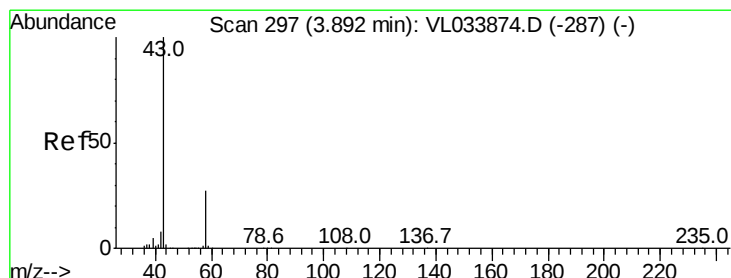
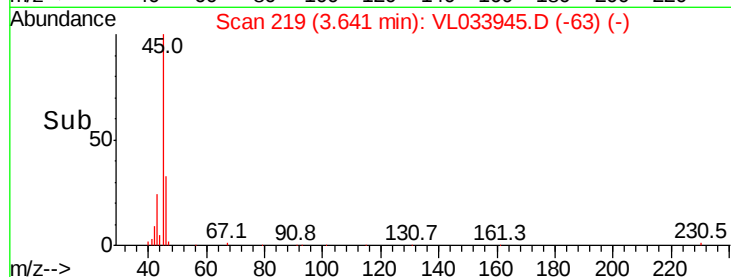
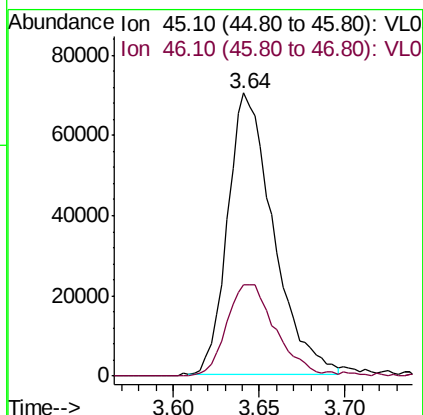
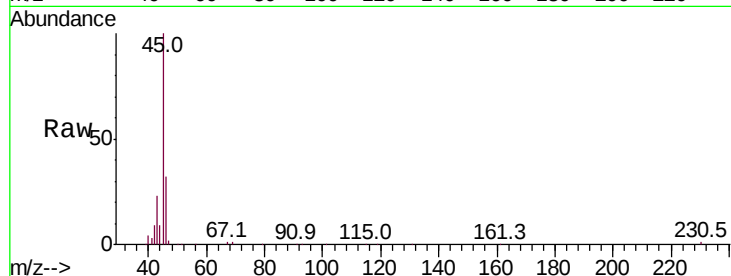




#13
Ethanol
Concen: 8.451 ppbv
RT: 3.64 min Scan# 219
Delta R.T. 0.00 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

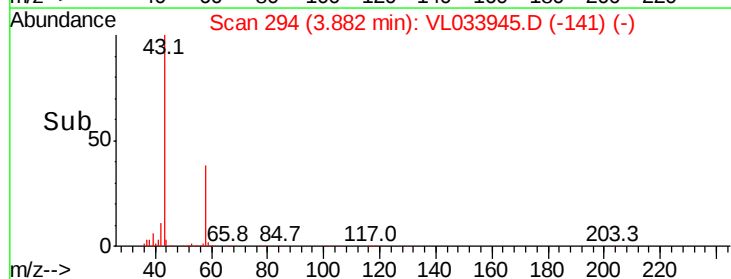
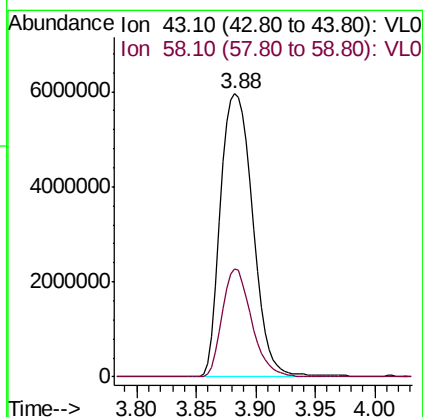
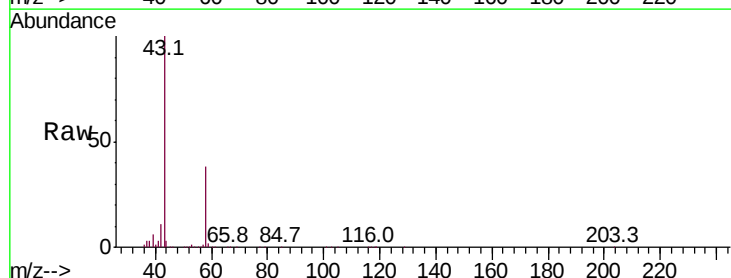
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL

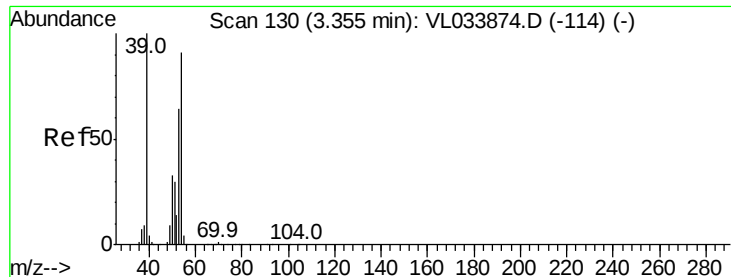
Tot Ion: 45 Resp: 128957
Ion Ratio Lower Upper
45 100
46 36.1 15.3 61.1



#15
Acetone
Concen: 72.577 ppbv
RT: 3.88 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

Tgt Ion: 43 Resp: 11270514
Ion Ratio Lower Upper
43 100
58 34.7 21.3 31.9#

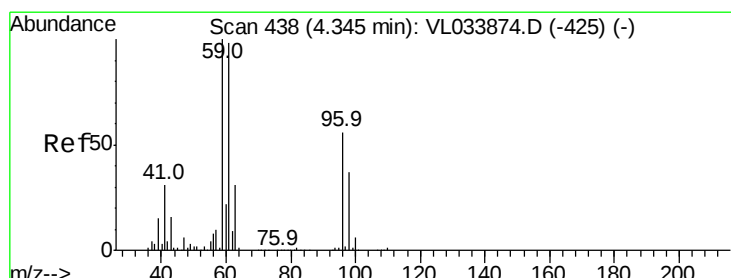
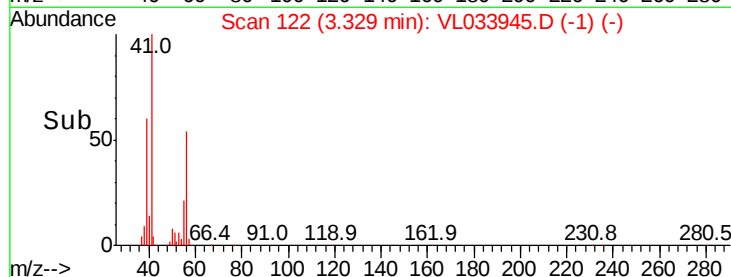
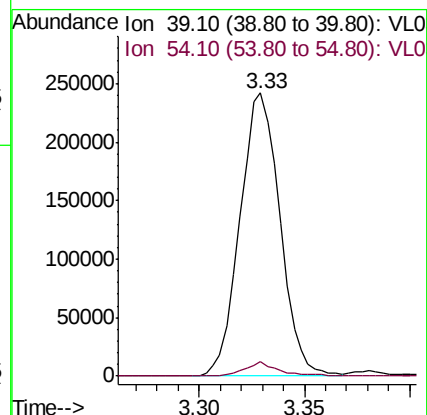
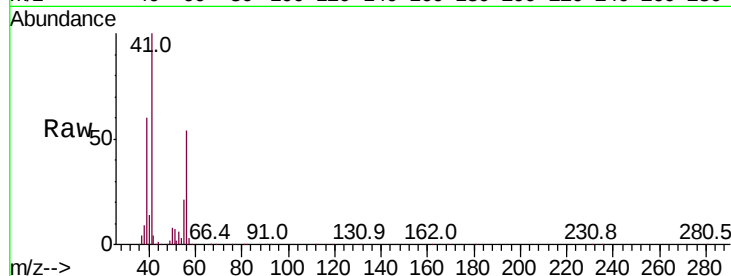




#16
 1,3-Butadiene
 Concen: 5.379 ppbv
 RT: 3.33 min Scan# 122
 Delta R.T. -0.03 min
 Lab File: VL033945.D
 Acq: 24 Jun 2019 20:36

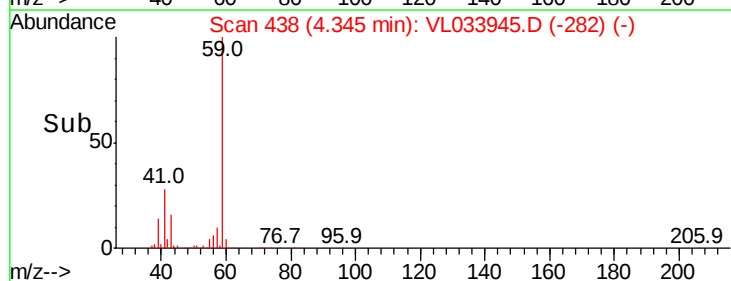
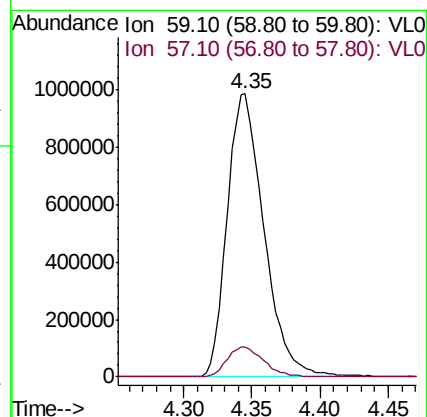
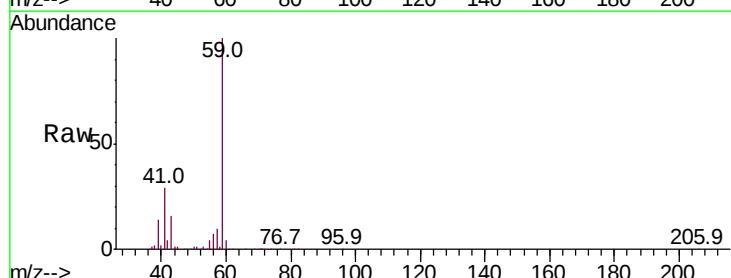
Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-A-1DL

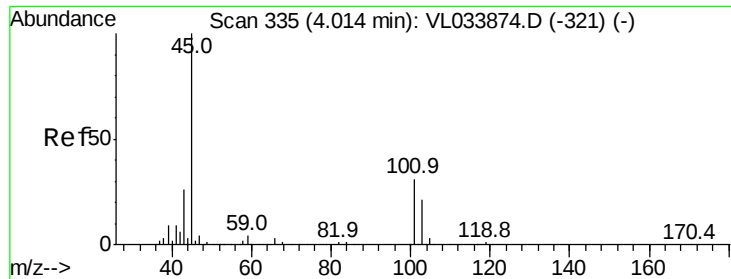
Tot Ion: 39 Resp: 317928
 Ion Ratio Lower Upper
 39 100
 54 4.5 68.6 103.0#



#17
 tert-Butyl alcohol
 Concen: 15.218 ppbv
 RT: 4.35 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VL033945.D
 Acq: 24 Jun 2019 20:36

Tgt Ion: 59 Resp: 1847320
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6





#19

Isopropyl Alcohol

Concen: 1.027 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

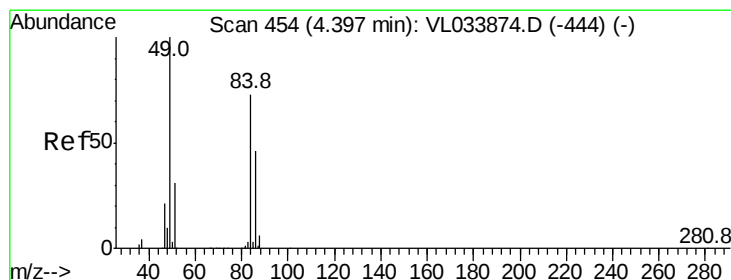
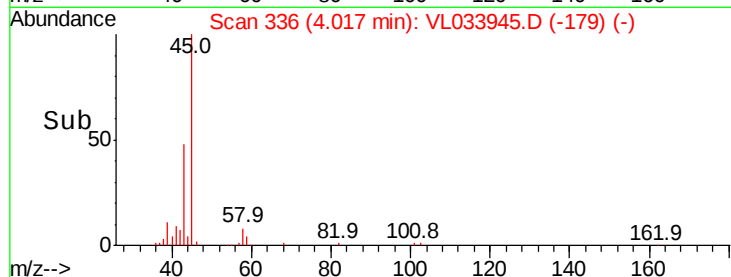
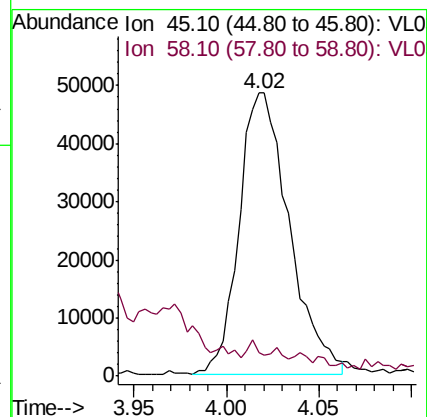
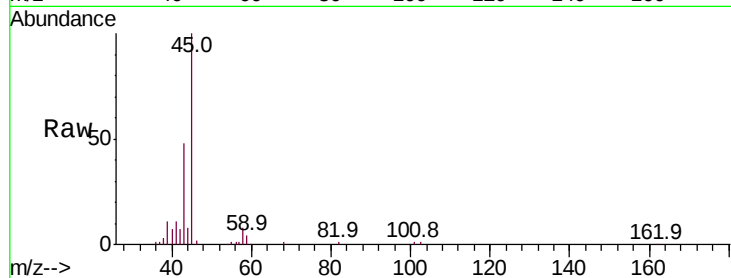
TZC-SSDS-AREA-A-1DL

Tot Ion: 45 Resp: 91130

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.6#



#20

Methylene Chloride

Concen: 0.218 ppbv

RT: 4.40 min Scan# 454

Delta R.T. 0.00 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Tgt Ion: 84 Resp: 13184

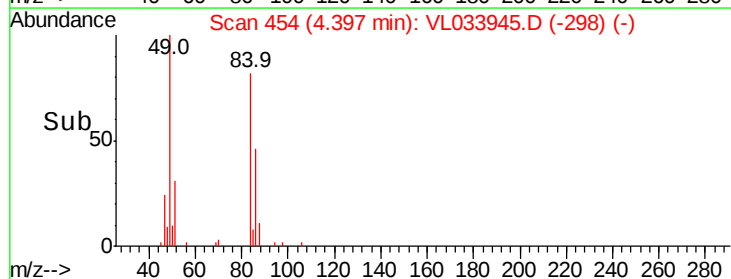
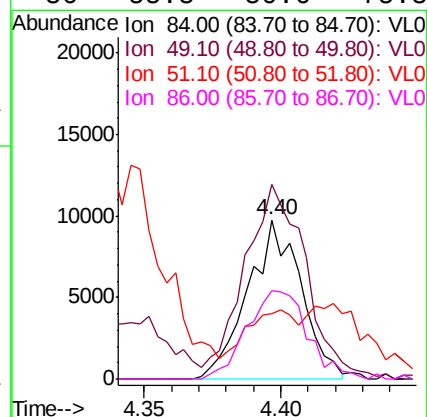
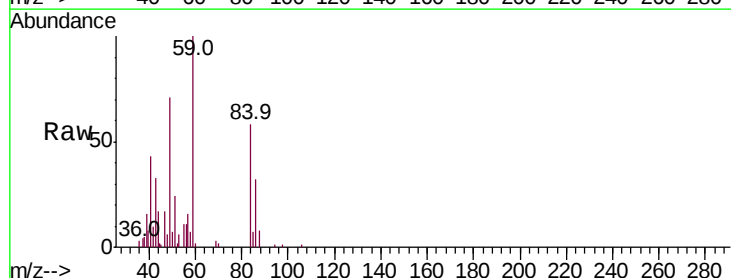
Ion Ratio Lower Upper

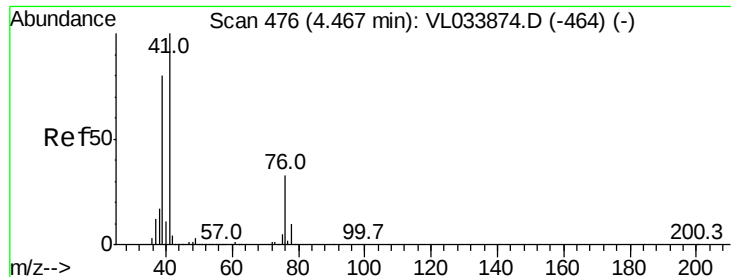
84 100

49 112.4 110.0 165.0

51 19.4 34.6 51.8#

86 55.8 50.6 75.8

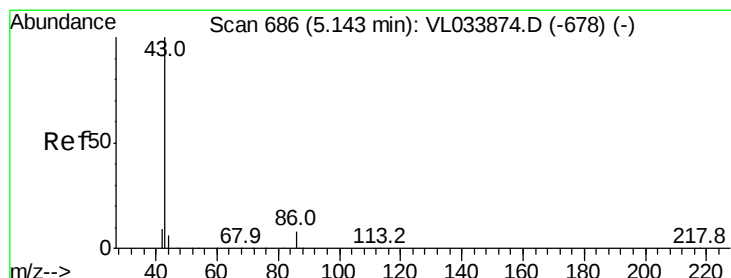
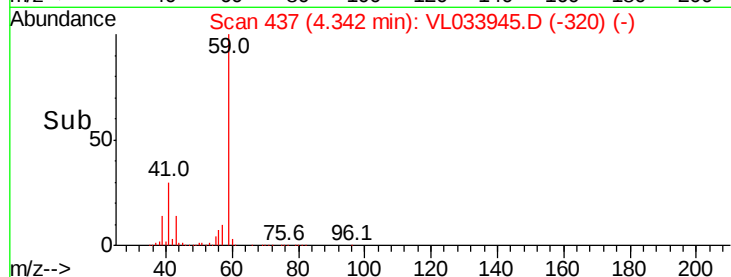
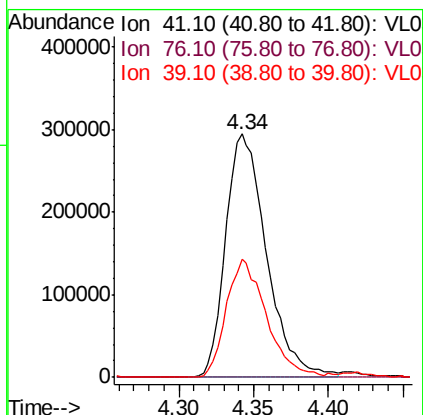
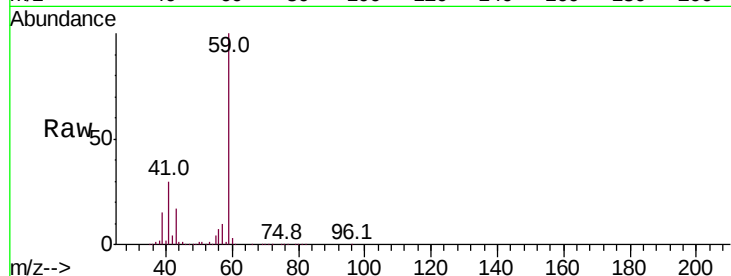




#21
Allvl Chloride
Concen: 6.317 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.13 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

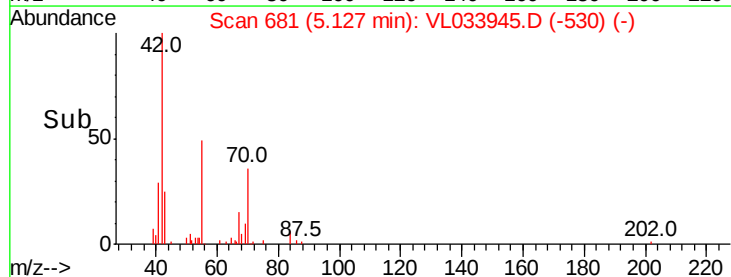
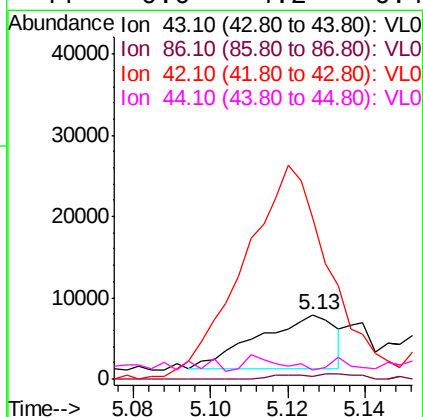
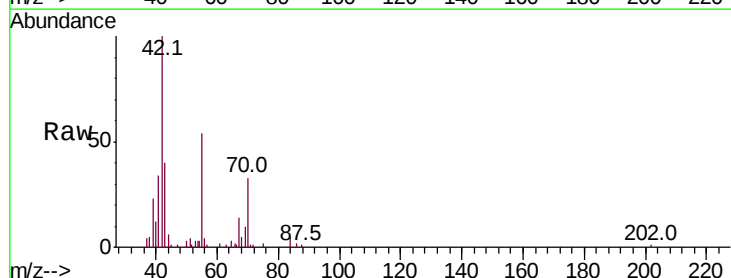
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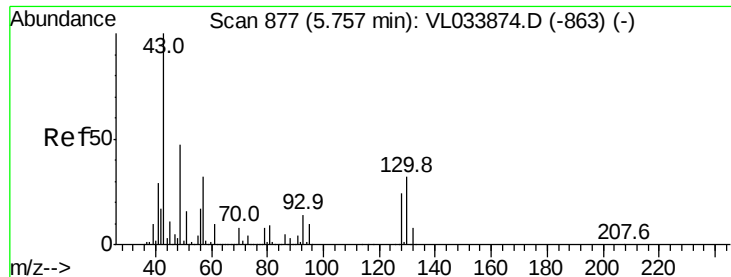
Tot Ion: 41 Resp: 557204
Ion Ratio Lower Upper
41 100
76 0.0 26.6 39.8#
39 47.4 65.2 97.8#



#23
Vinyl Acetate
Concen: 0.051 ppbv
RT: 5.13 min Scan# 681
Delta R.T. -0.02 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

Tgt Ion: 43 Resp: 9288
Ion Ratio Lower Upper
43 100
86 5.7 5.8 8.8#
42 263.1 7.8 11.8#
44 0.0 4.2 6.4#





#25

Ethyl Acetate

Concen: 0.166 ppbv

RT: 5.76 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL

Tot Ion: 43 Resp: 39359

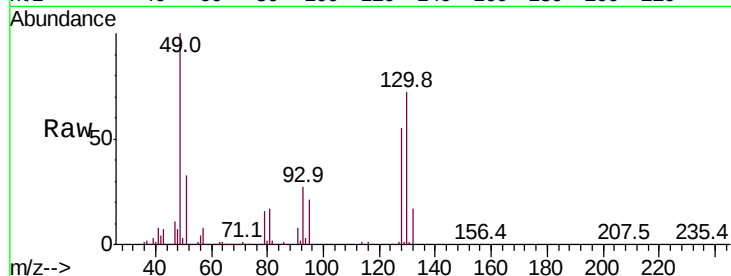
Ion Ratio Lower Upper

43 100

45 3.9 7.9 11.9#

61 1.3 7.8 11.6#

70 2.7 5.8 8.6#



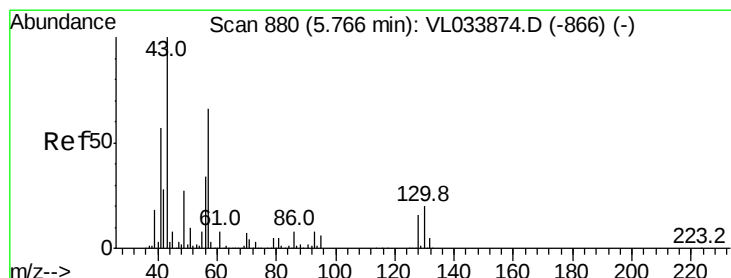
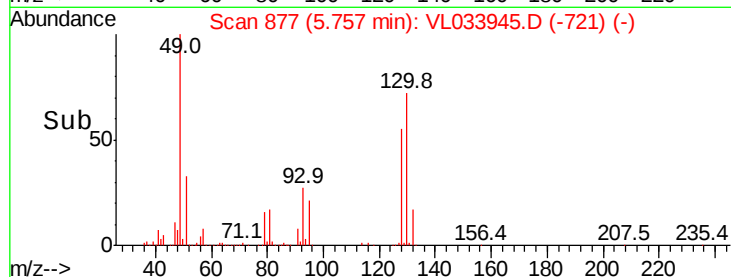
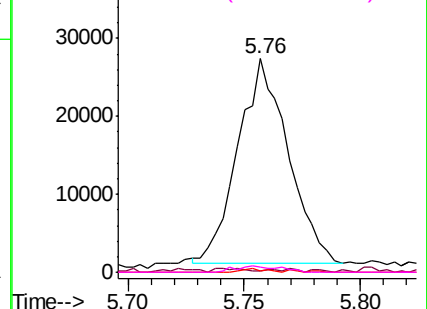
Abundance

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: 0.546 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Tgt Ion: 57 Resp: 58765

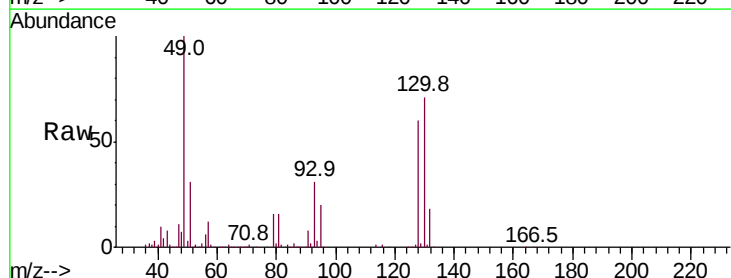
Ion Ratio Lower Upper

57 100

41 93.9 71.4 107.2

43 73.8 183.7 275.5#

56 55.7 42.7 64.1



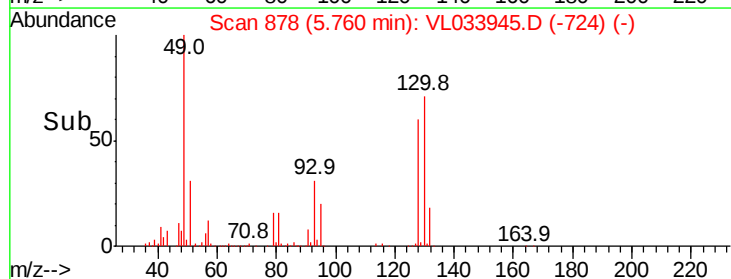
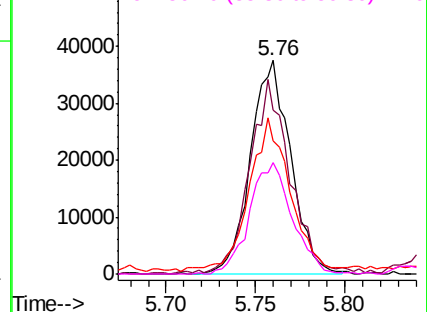
Abundance

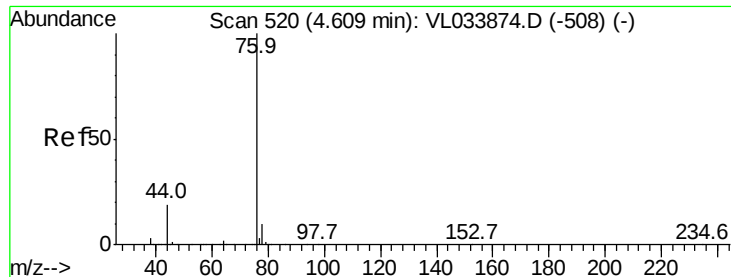
Ion 57.10 (56.80 to 57.80): VL0

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

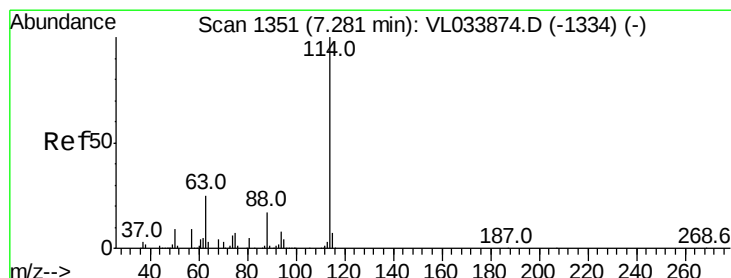
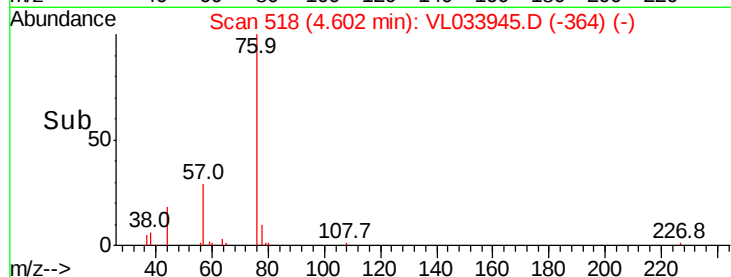
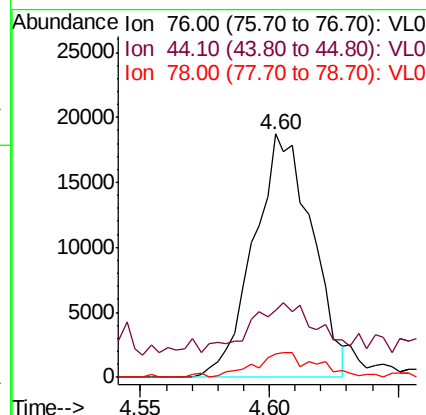
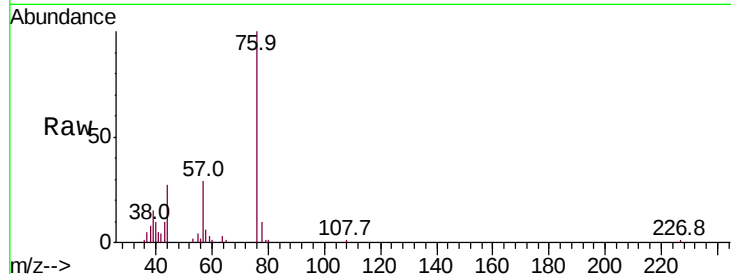




#27
Carbon Disulfide
Concen: 0.197 ppbv
RT: 4.60 min Scan# 518
Delta R.T. -0.01 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

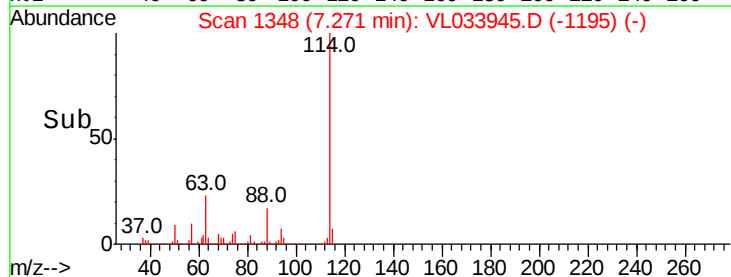
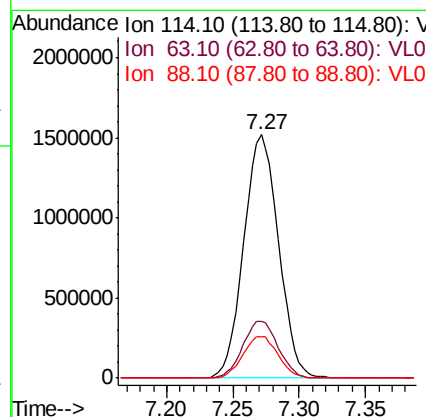
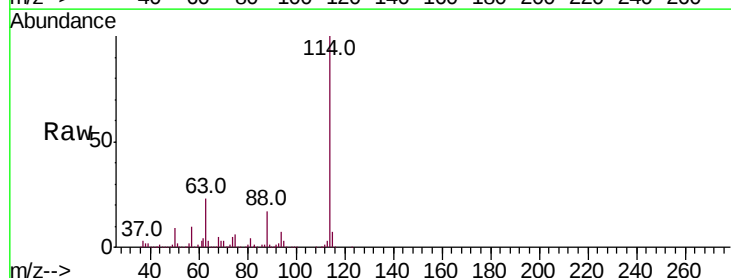
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL

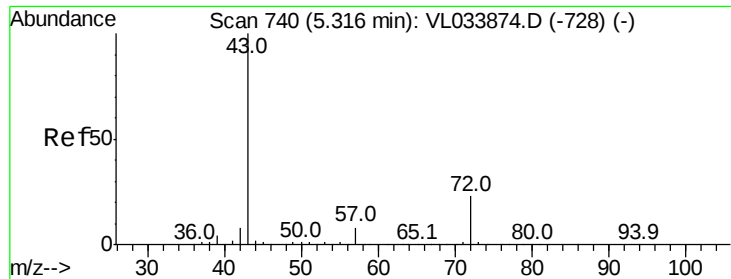
Tot Ion: 76 Resp: 29494
Ion Ratio Lower Upper
76 100
44 42.2 14.4 21.6#
78 11.2 7.5 11.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

Tgt Ion: 114 Resp: 2773929
Ion Ratio Lower Upper
114 100
63 23.8 21.1 31.7
88 17.4 14.2 21.4

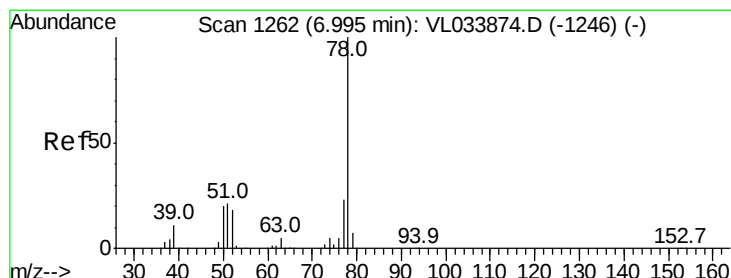
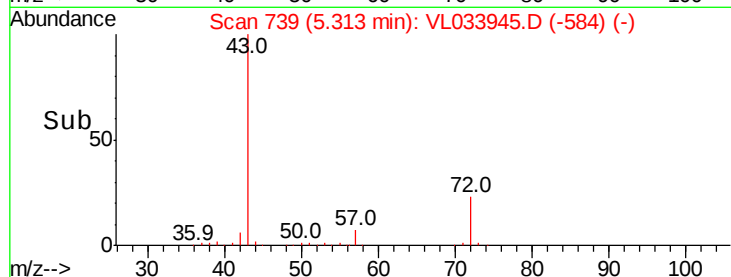
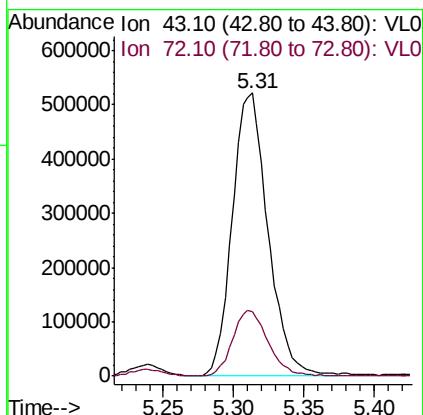
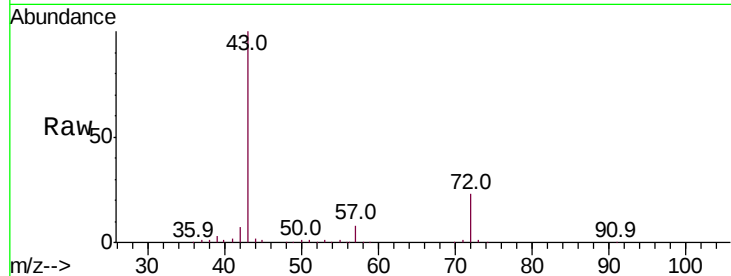




#34
2-Butanone
Concen: 5.876 ppbv
RT: 5.31 min Scan# 739
Delta R.T. -0.00 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

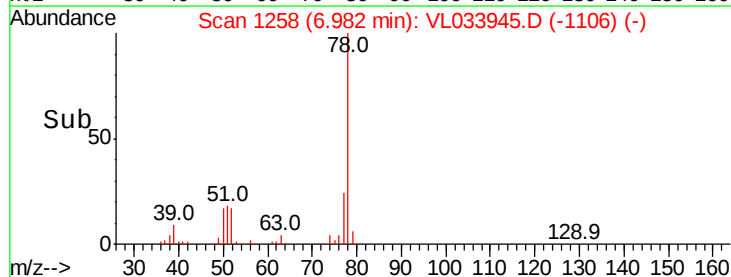
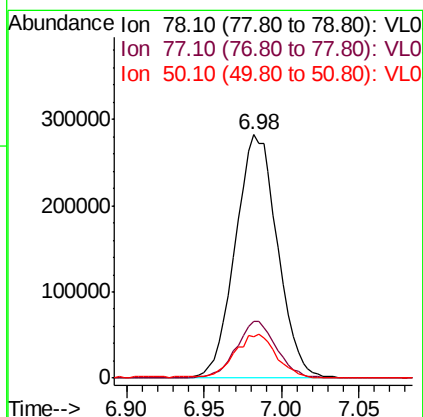
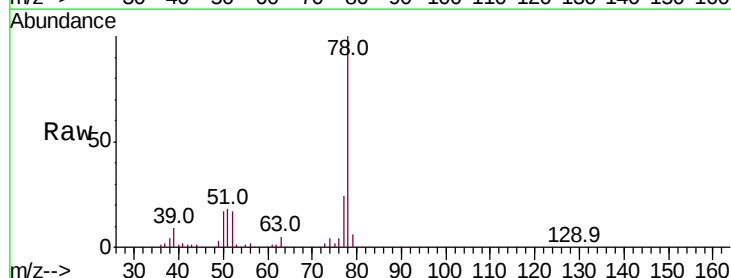
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL

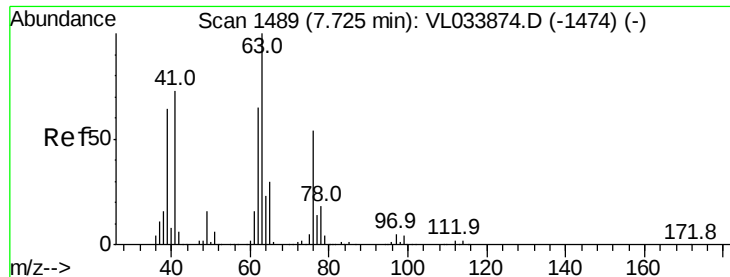
Tot Ion: 43 Resp: 919595
Ion Ratio Lower Upper
43 100
72 23.5 17.9 26.9



#36
Benzene
Concen: 2.523 ppbv
RT: 6.98 min Scan# 1258
Delta R.T. -0.01 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

Tgt Ion: 78 Resp: 534711
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2
50 16.9 15.9 23.9





#39

1,2-Dichloropropane

Concen: 0.267 ppbv

RT: 8.15 min Scan# 1622

Delta R.T. 0.43 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL

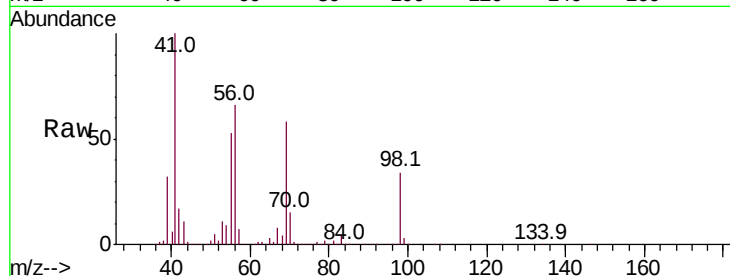
Tot Ion: 63 Resp: 21819

Ion Ratio Lower Upper

63 100

41 7608.4 58.7 88.1#

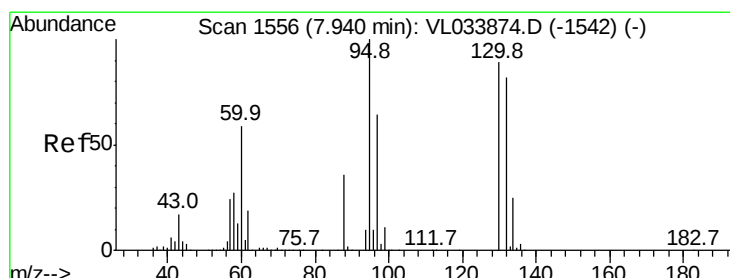
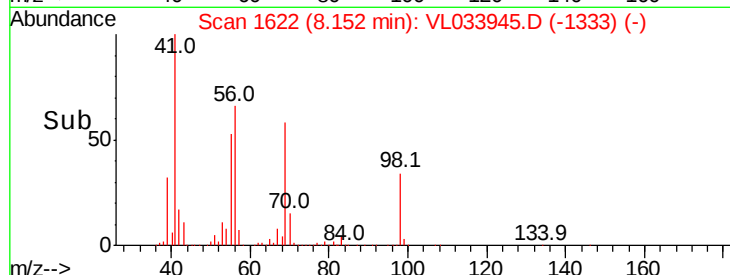
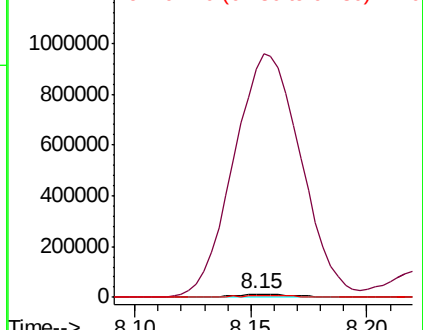
62 48.8 51.9 77.9#



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



#40

1,4-Dioxane

Concen: 0.139 ppbv

RT: 7.95 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Tgt Ion: 88 Resp: 4629

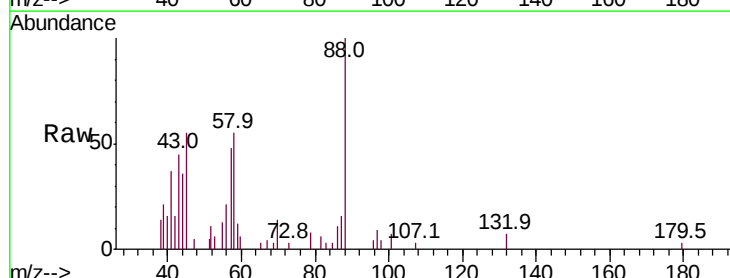
Ion Ratio Lower Upper

88 100

58 12.9 100.0 150.0#

43 0.0 184.7 277.1#

57 0.0 826.8 1240.2#

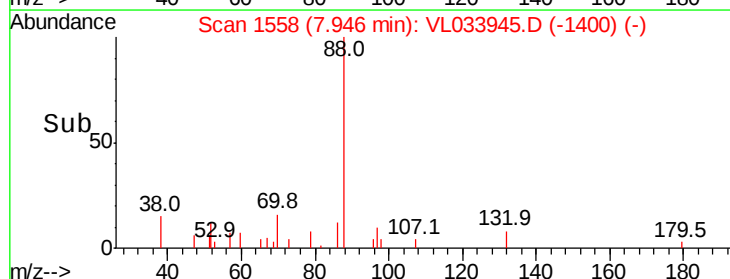
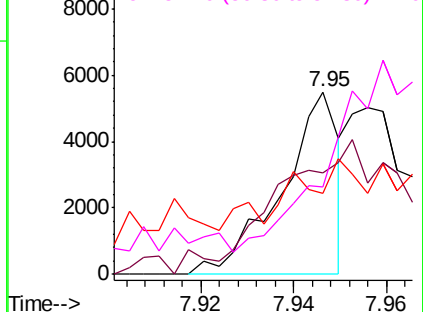


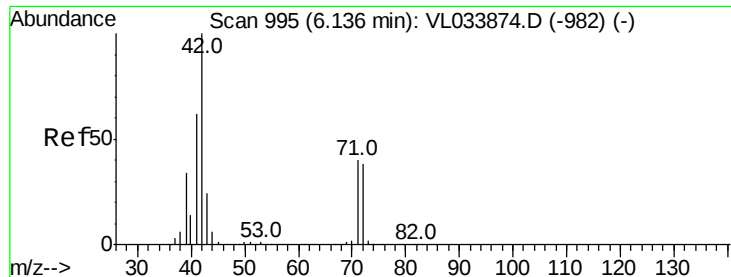
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 3.279 ppbv

RT: 6.10 min Scan# 983

Delta R.T. -0.04 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL

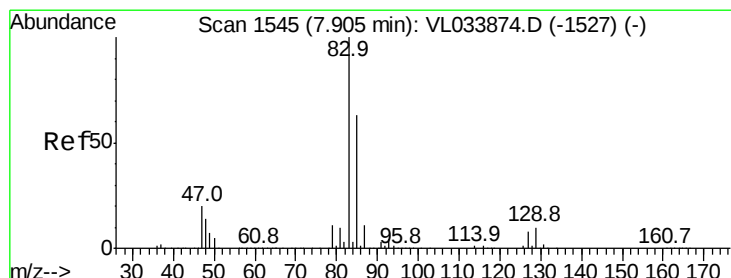
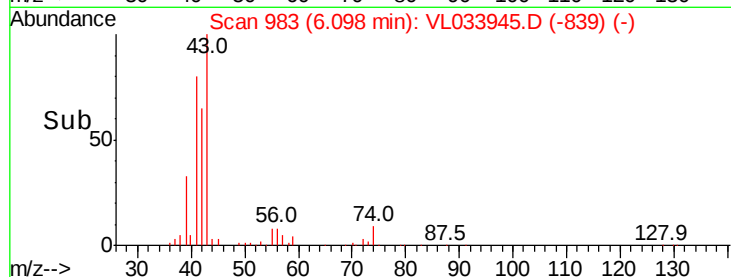
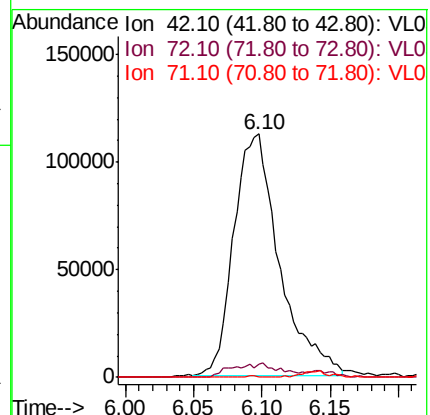
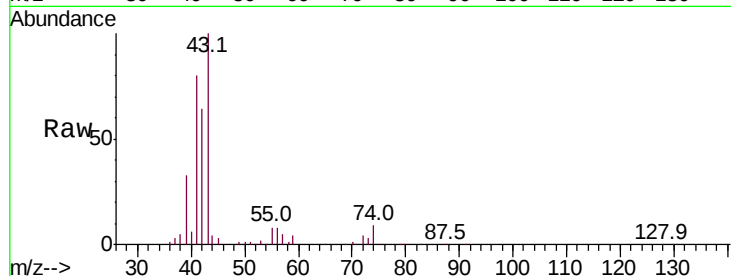
Tot Ion: 42 Resp: 260474

Ion Ratio Lower Upper

42 100

72 8.2 32.2 48.4#

71 0.0 31.7 47.5#



#42

Bromodichloromethane

Concen: 0.301 ppbv

RT: 8.15 min Scan# 1622

Delta R.T. 0.25 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

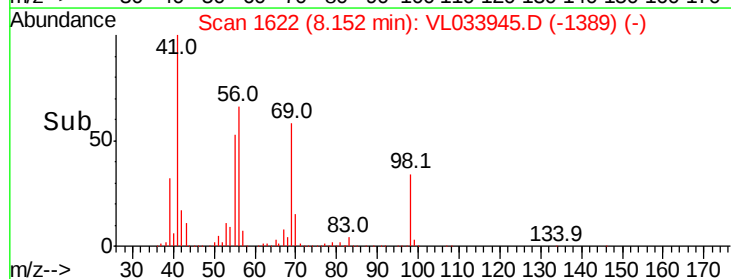
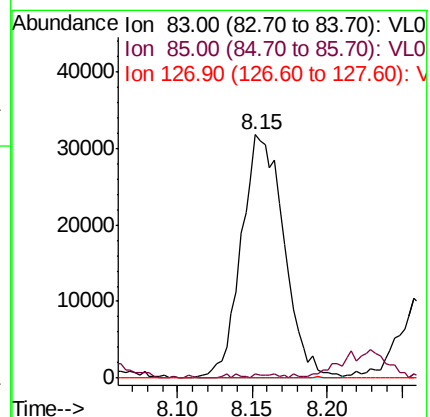
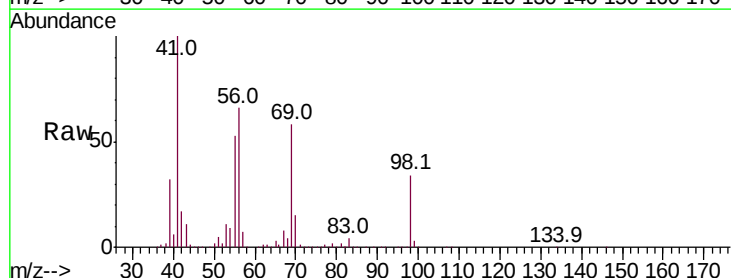
Tgt Ion: 83 Resp: 63098

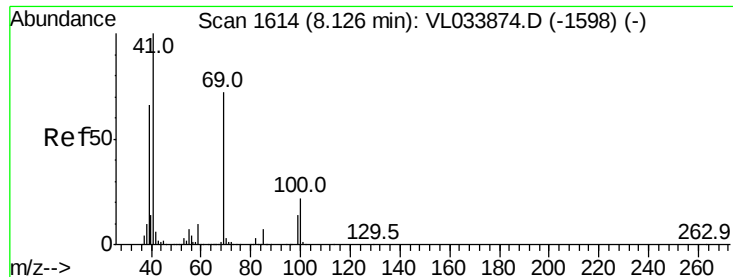
Ion Ratio Lower Upper

83 100

85 1.2 50.2 75.2#

127 0.0 6.5 9.7#

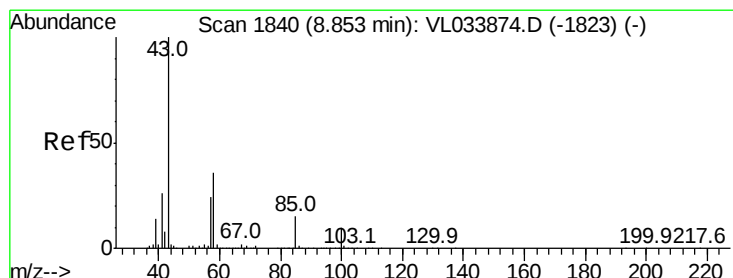
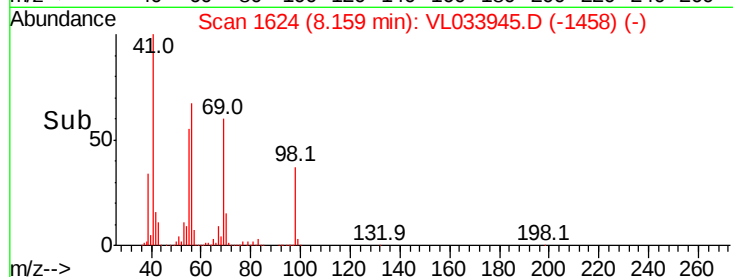
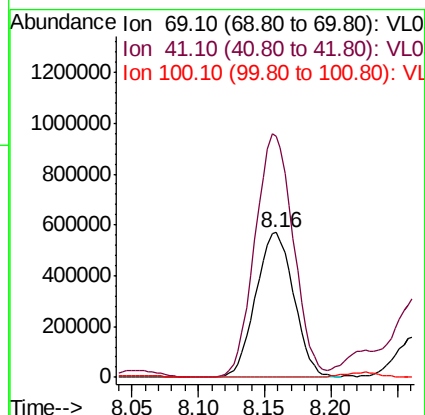
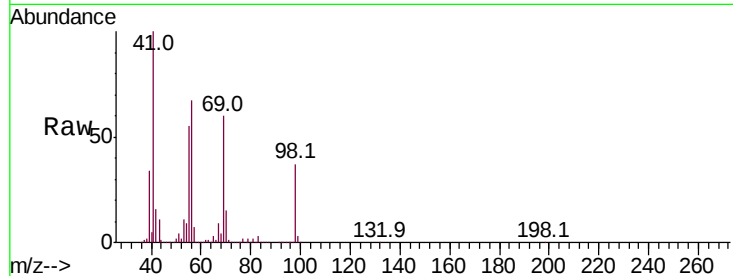




#43
Methyl Methacrylate
Concen: 14.394 ppbv
RT: 8.16 min Scan# 1624
Delta R.T. 0.03 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

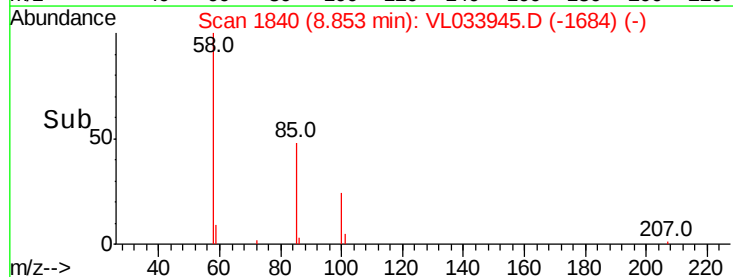
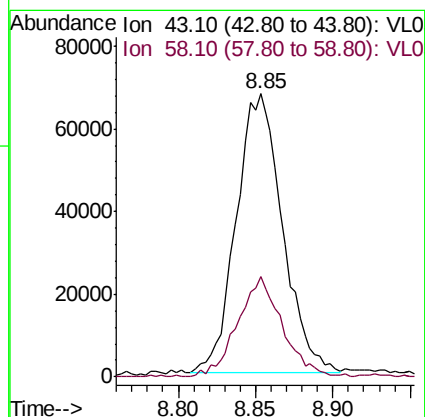
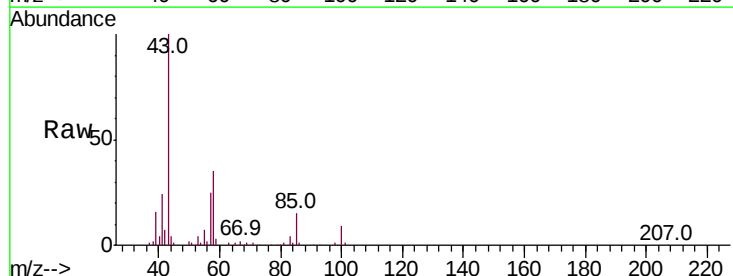
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL

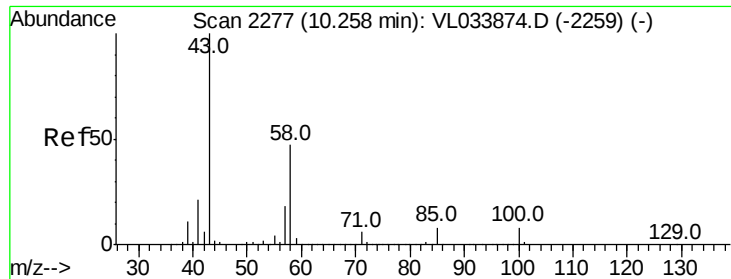
Tot Ion: 69 Resp: 1140762
Ion Ratio Lower Upper
69 100
41 170.5 114.3 171.5
100 0.1 24.8 37.2#



#50
4-Methyl-2-Pentanone
Concen: 0.597 ppbv
RT: 8.85 min Scan# 1840
Delta R.T. 0.00 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

Tgt Ion: 43 Resp: 139419
Ion Ratio Lower Upper
43 100
58 35.3 28.6 42.8

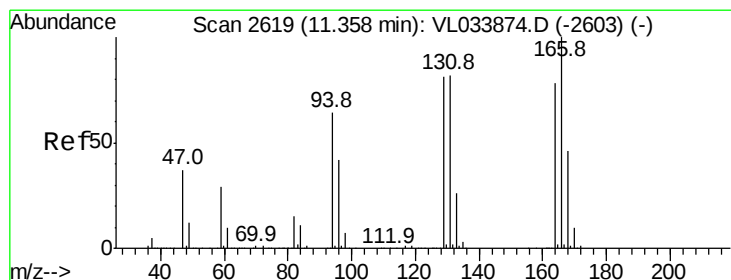
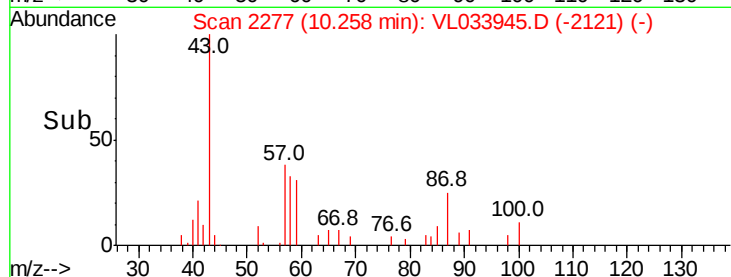
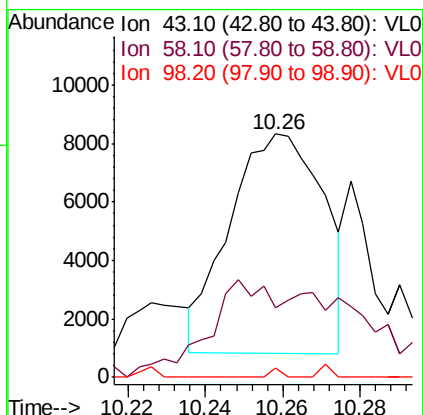
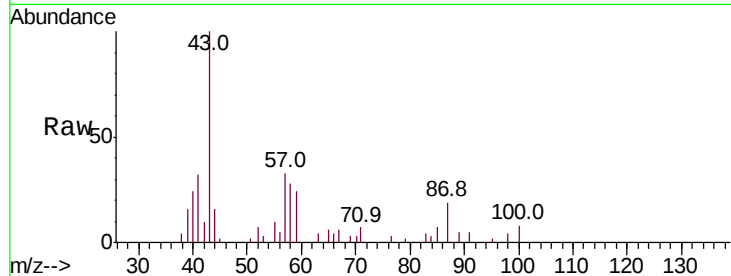




#51
2-Hexanone
Concen: 0.069 ppbv
RT: 10.26 min Scan# 2277
Delta R.T. 0.00 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

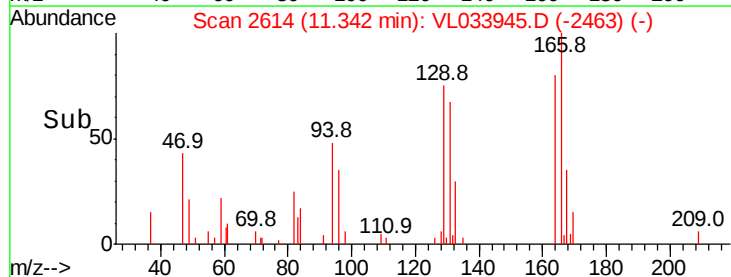
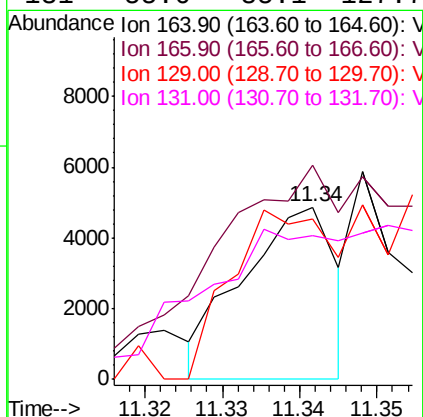
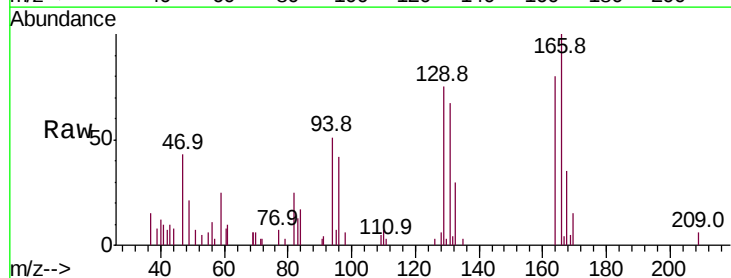
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL

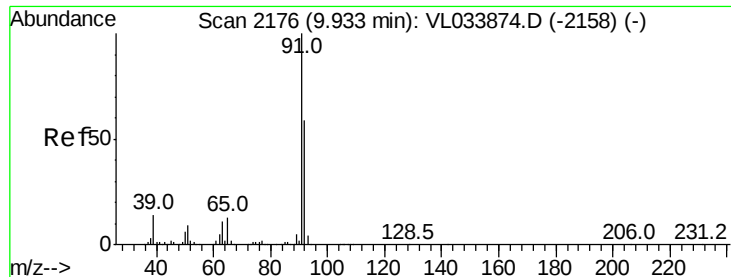
Tot Ion: 43 Resp: 12620
Ion Ratio Lower Upper
43 100
58 75.3 38.2 57.4#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.054 ppbv
RT: 11.34 min Scan# 2614
Delta R.T. -0.02 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

Tgt Ion: 164 Resp: 4053
Ion Ratio Lower Upper
164 100
166 96.6 103.1 154.7#
129 118.9 83.9 125.9
131 55.6 85.1 127.7#





#53

Toluene

Concen: 10.787 ppbv

RT: 9.92 min Scan# 2172

Delta R.T. -0.01 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

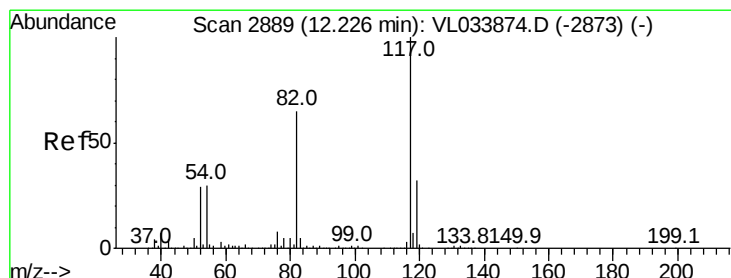
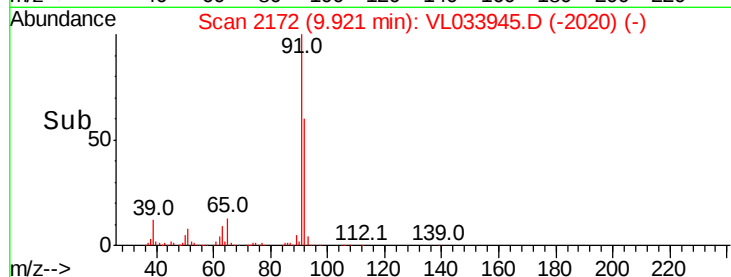
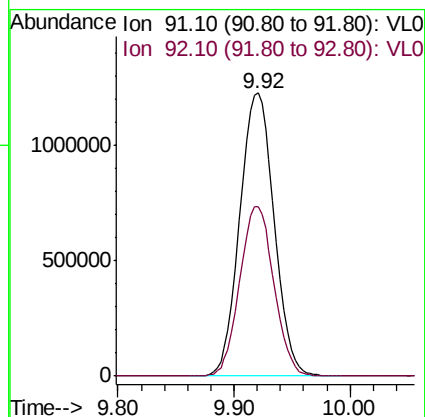
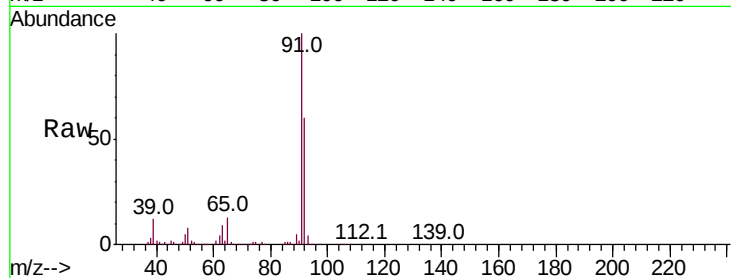
TZC-SSDS-AREA-A-1DL

Tot Ion: 91 Resp: 2529469

Ion Ratio Lower Upper

91 100

92 59.7 47.0 70.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2884

Delta R.T. -0.02 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

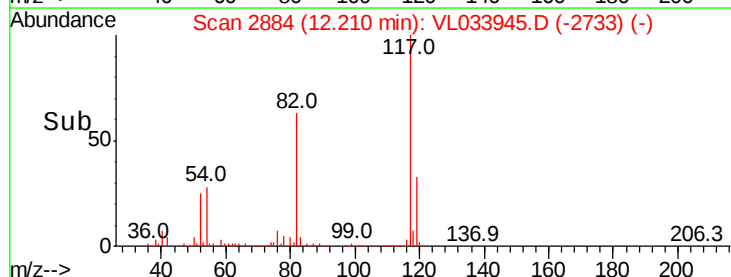
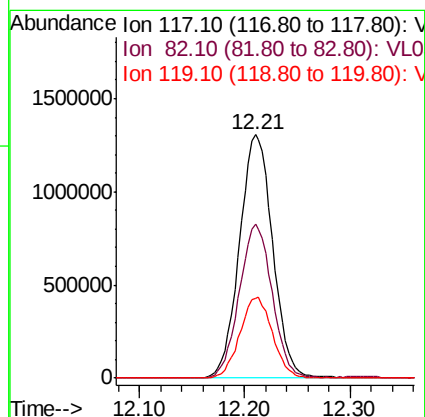
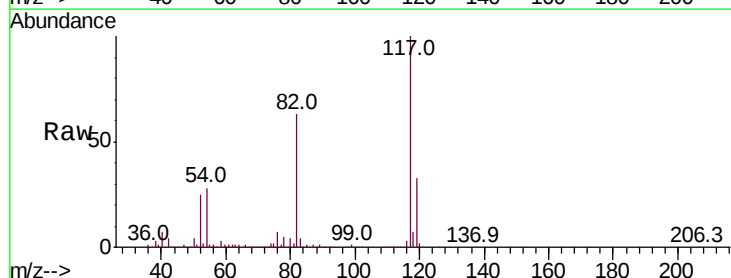
Tgt Ion: 117 Resp: 2859702

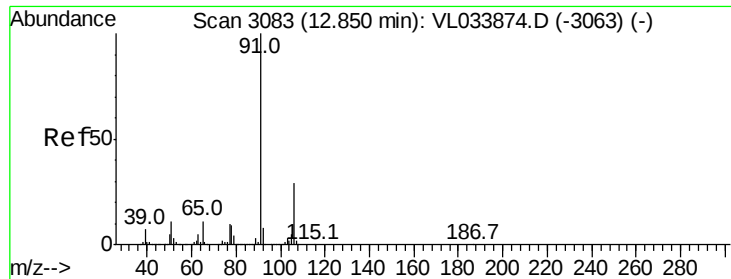
Ion Ratio Lower Upper

117 100

82 62.7 50.2 75.2

119 32.9 24.8 37.2





#58

Ethyl Benzene

Concen: 2.786 ppbv

RT: 12.83 min Scan# 3078

Delta R.T. -0.02 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

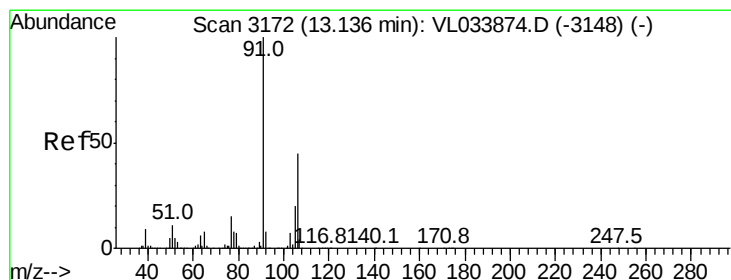
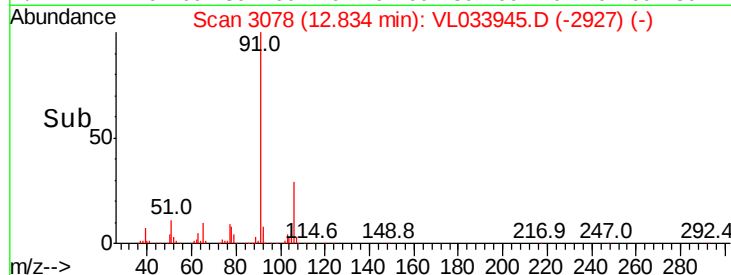
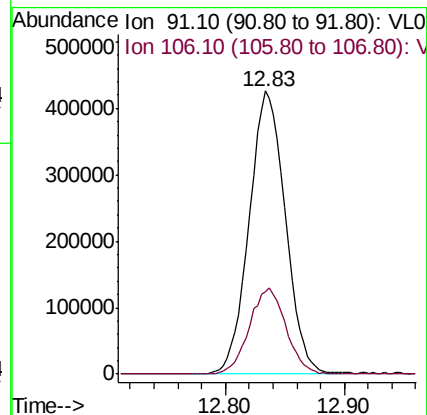
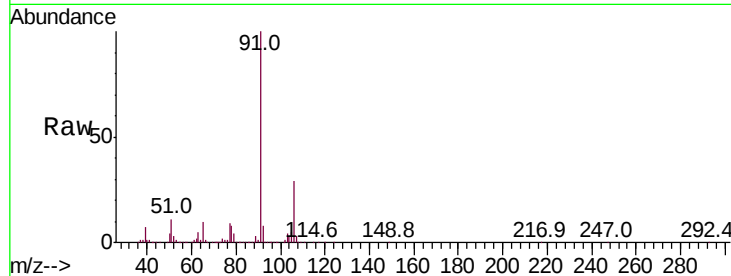
TZC-SSDS-AREA-A-1DL

Tot Ion: 91 Resp: 898159

Ion Ratio Lower Upper

91 100

106 29.1 23.0 34.6



#59

m/p-Xylene

Concen: 10.358 ppbv

RT: 13.09 min Scan# 3158

Delta R.T. -0.04 min

Lab File: VL033945.D

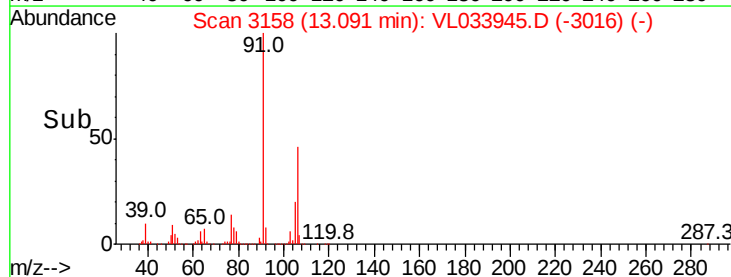
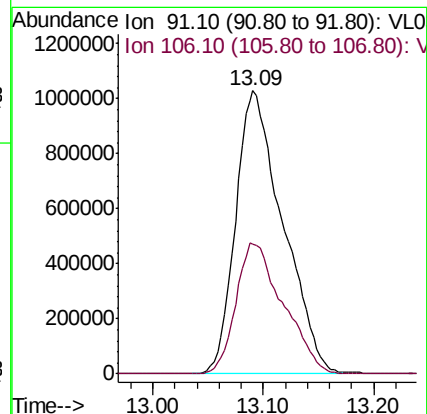
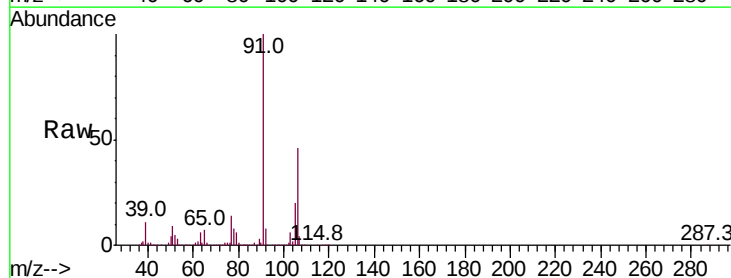
Acq: 24 Jun 2019 20:36

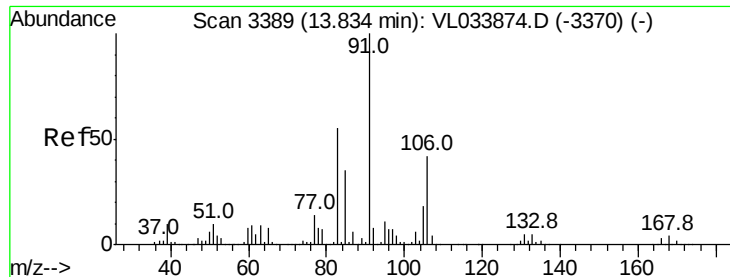
Tgt Ion: 91 Resp: 3036866

Ion Ratio Lower Upper

91 100

106 46.7 35.8 53.8

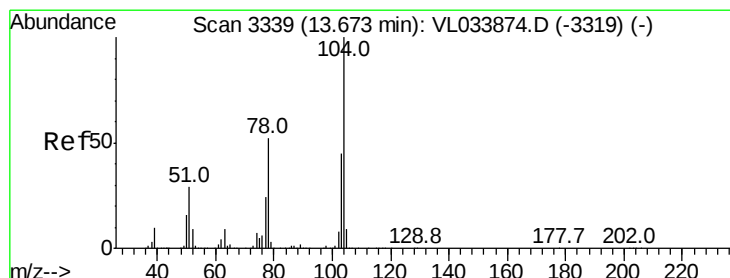
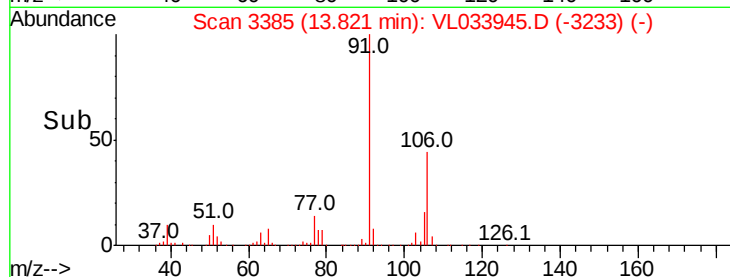
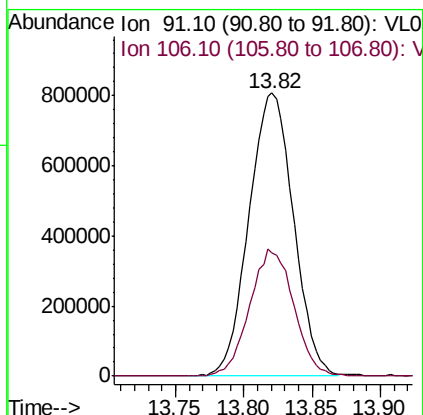
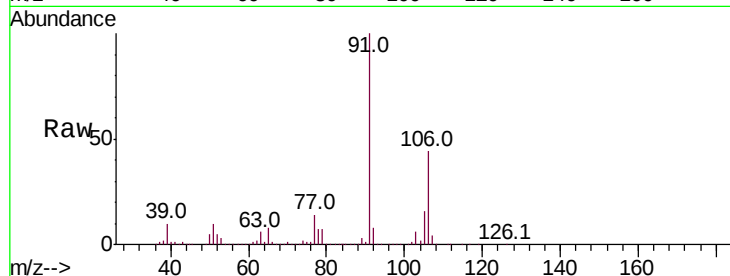




#60
o-Xylene
Concen: 6.042 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

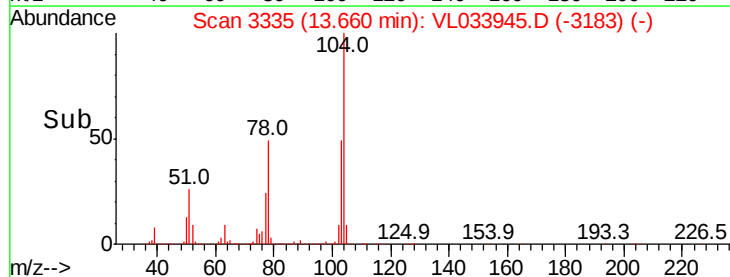
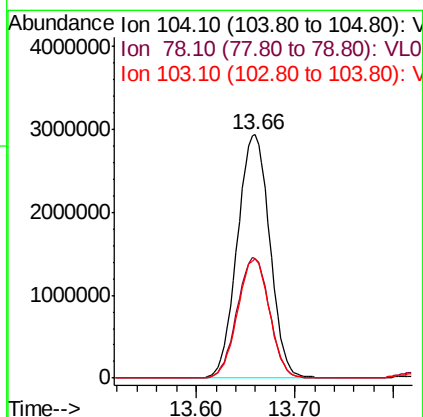
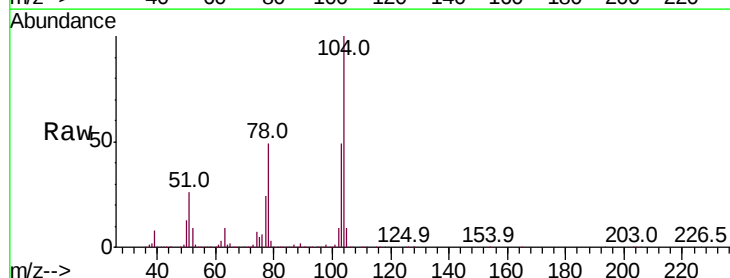
Instrument :
MSVOA_L
ClientSampleId :
TZC-SSDS-AREA-A-1DL

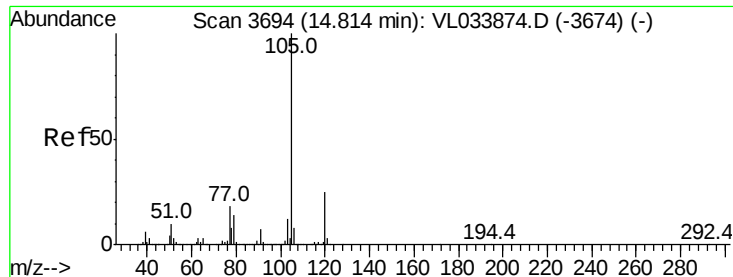
Tot Ion: 91 Resp: 1829025
Ion Ratio Lower Upper
91 100
106 44.3 21.7 65.1



#61
Styrene
Concen: 34.232 ppbv
RT: 13.66 min Scan# 3335
Delta R.T. -0.01 min
Lab File: VL033945.D
Acq: 24 Jun 2019 20:36

Tgt Ion:104 Resp: 6706144
Ion Ratio Lower Upper
104 100
78 49.4 43.4 65.0
103 48.1 37.6 56.4





#62

Isopropylbenzene

Concen: 0.815 ppbv

RT: 14.80 min Scan# 3689

Delta R.T. -0.02 min

Lab File: VL033945.D

Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

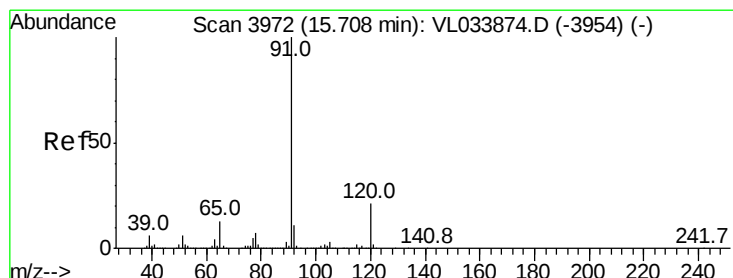
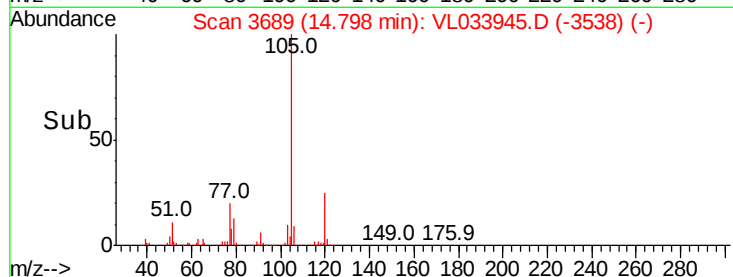
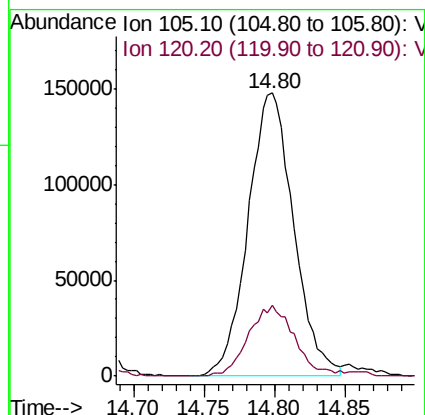
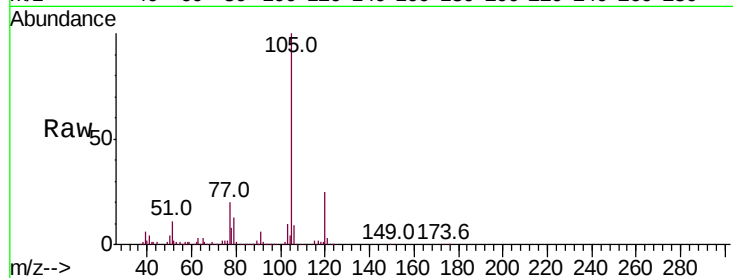
TZC-SSDS-AREA-A-1DL

Tot Ion:105 Resp: 332723

Ion Ratio Lower Upper

105 100

120 26.0 20.3 30.5



#64

n-propylbenzene

Concen: 0.587 ppbv

RT: 15.69 min Scan# 3967

Delta R.T. -0.02 min

Lab File: VL033945.D

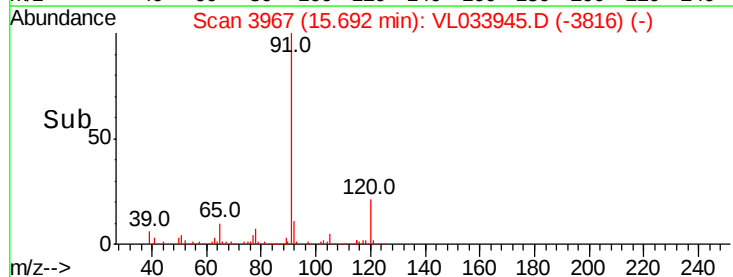
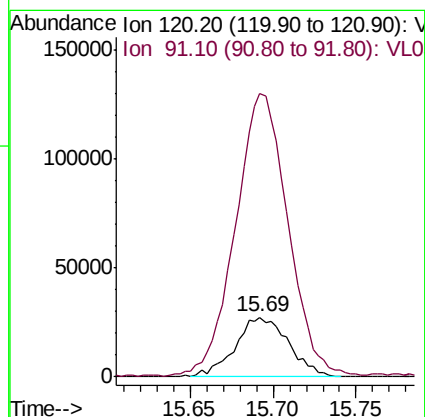
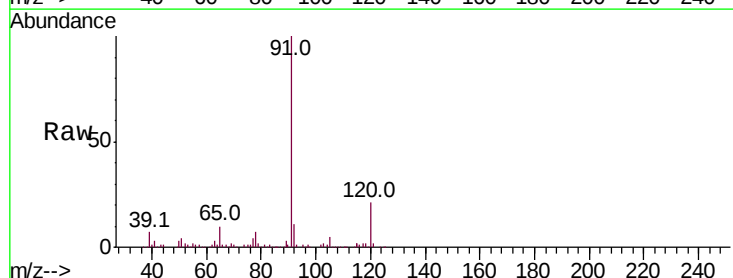
Acq: 24 Jun 2019 20:36

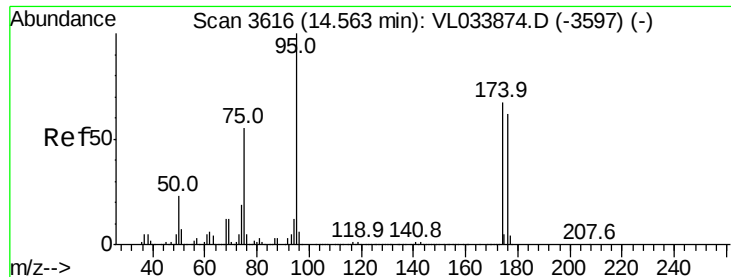
Tgt Ion:120 Resp: 61281

Ion Ratio Lower Upper

120 100

91 462.6 387.0 580.6

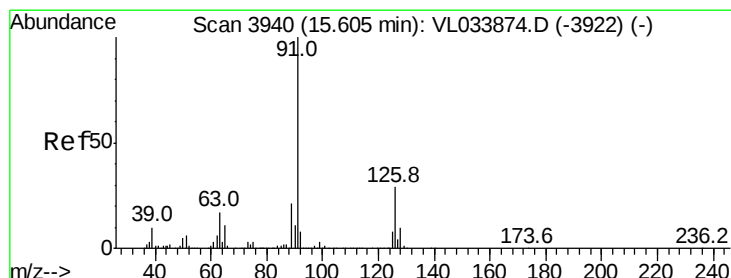
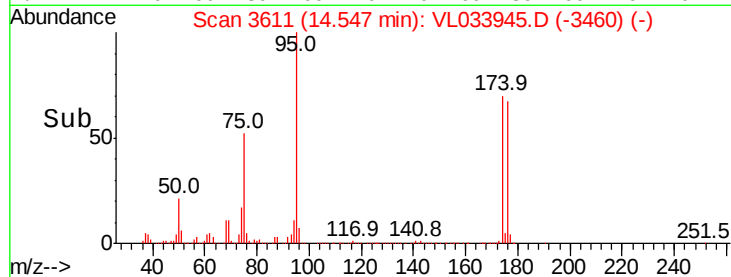
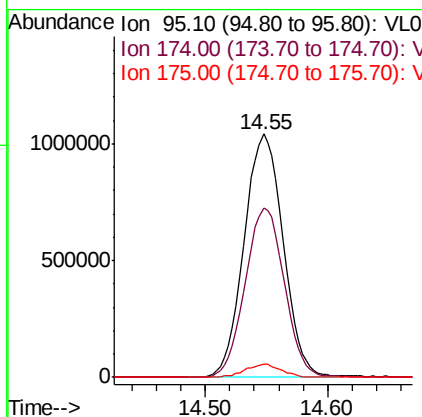
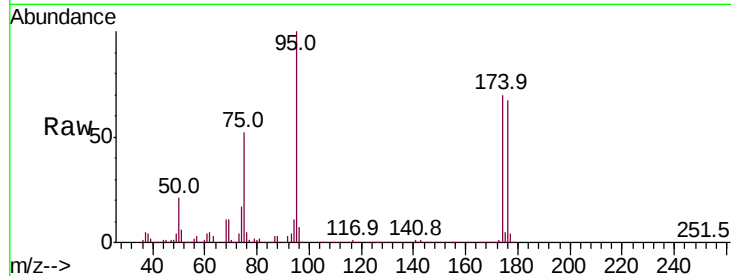




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.818 ppbv
 RT: 14.55 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL033945.D
 Acq: 24 Jun 2019 20:36

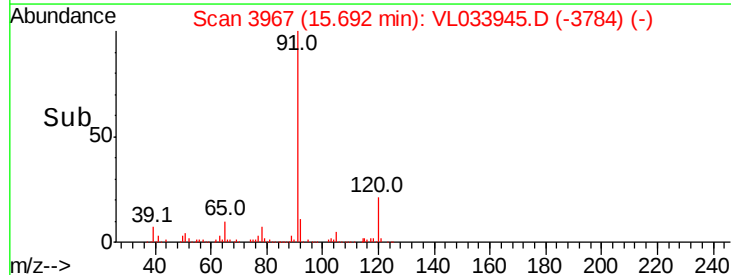
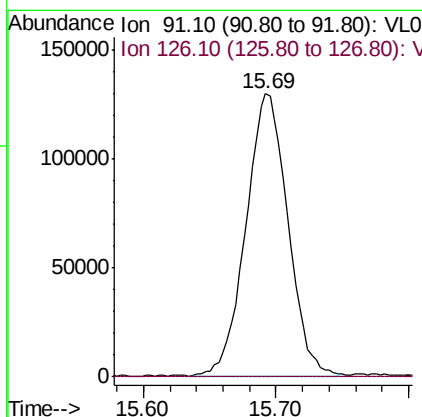
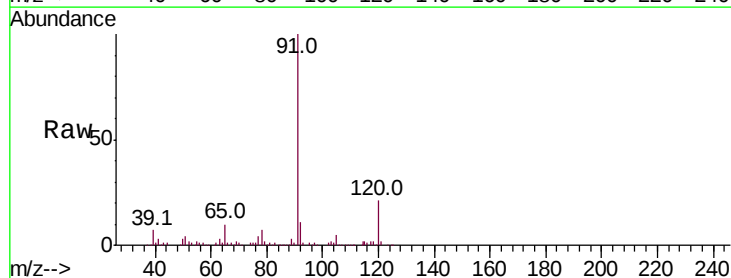
Instrument :
 MSVOA_L
 ClientSampleId :
 TZC-SSDS-AREA-A-1DL

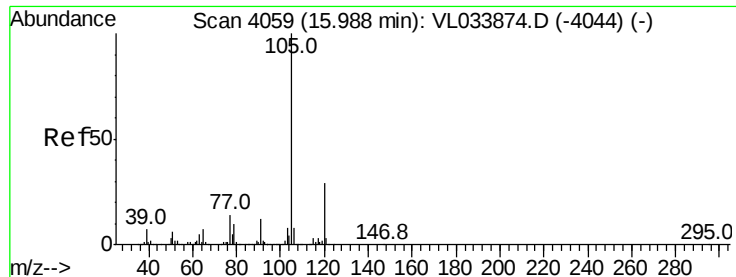
Tot Ion: 95 Resp: 2306116
 Ion Ratio Lower Upper
 95 100
 174 70.4 54.0 81.0
 175 5.1 3.8 5.8



#71
 2-Chlorotoluene
 Concen: 0.940 ppbv
 RT: 15.69 min Scan# 3967
 Delta R.T. 0.09 min
 Lab File: VL033945.D
 Acq: 24 Jun 2019 20:36

Tgt Ion: 91 Resp: 282684
 Ion Ratio Lower Upper
 91 100
 126 0.1 12.0 48.2#





#72

4-Ethyltoluene

Concen: 0.035 ppbv

RT: 15.97 min Scan# 4053

Delta R.T. -0.02 min

Lab File: VL033945.D

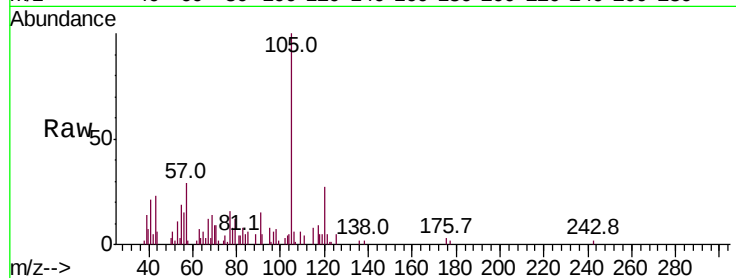
Acq: 24 Jun 2019 20:36

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1DL



Tot Ion:105 Resp: 12019

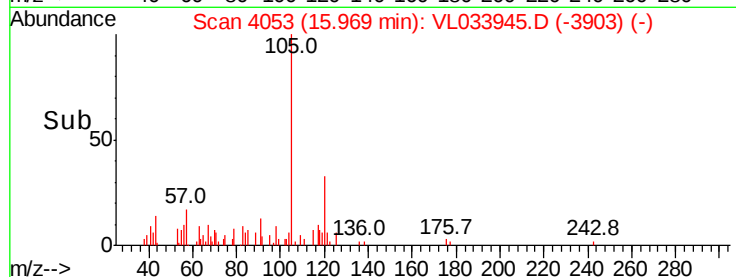
Ion Ratio Lower Upper

105 100

120 0.0 23.5 35.3#

91 0.0 10.4 15.6#

77 0.0 11.7 17.5#



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

