

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033944.D
 Acq On : 24 Jun 2019 19:58
 Operator : SY/AP
 Sample : K3481-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 5:01:25 PM

Quant Time: Jun 25 21:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 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	5.77	49	945301	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.29	114	2349872	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2608135	10.00	ppbv	0.00

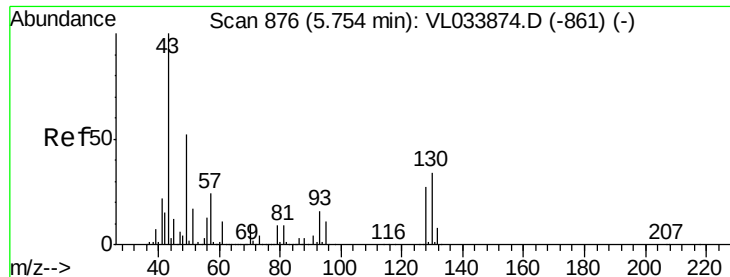
System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	2183751	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	49502	0.323	ppbv	91
3) Chlorodifluoromethane	3.00	51	153584m	1.380	ppbv	
4) Chloromethane	3.17	50	14119m	0.222	ppbv	
7) Chloroethane	3.59	64	10884m	0.467	ppbv	
9) Propene	3.03	41	131328	3.154	ppbv	87
10) Heptane	8.24	43	3329136	31.631	ppbv	96
11) Trichlorofluoromethane	3.99	101	381743	1.929	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.53	101	10984m	0.082	ppbv	
13) Ethanol	3.66	45	898463	66.317	ppbv	97
15) Acetone	3.89	43	31693590m	229.883	ppbv	
17) tert-Butyl alcohol	4.37	59	12779155	118.573	ppbv	97
19) Isopropyl Alcohol	4.04	45	687402	8.728	ppbv #	94
20) Methylene Chloride	4.42	84	77109	1.434	ppbv #	86
26) Hexane	5.76	57	514441	5.381	ppbv #	40
27) Carbon Disulfide	4.61	76	355913	2.680	ppbv	97
29) Chloroform	5.86	83	25245m	0.154	ppbv	
30) Cyclohexane	7.22	84	66840m	0.990	ppbv	
34) 2-Butanone	5.32	43	7826804	59.041	ppbv	95
35) Carbon Tetrachloride	7.13	117	10993m	0.061	ppbv	
36) Benzene	7.00	78	4633993	25.816	ppbv	97
38) Trichloroethene	7.95	130	3918m	0.056	ppbv	
50) 4-Methyl-2-Pentanone	8.86	43	1490189	7.538	ppbv	100
51) 2-Hexanone	10.28	43	249968	1.619	ppbv #	100
52) Tetrachloroethene	11.35	164	100864	1.597	ppbv	89
53) Toluene	9.94	91	18313528	92.194	ppbv	87
58) Ethyl Benzene	12.85	91	8782313	29.867	ppbv	95
59) m/p-Xylene	13.11	91	24116331	90.188	ppbv	86
60) o-Xylene	13.84	91	15088731	54.652	ppbv	90
61) Styrene	13.70	104	34373665m	192.389	ppbv	
62) Isopropylbenzene	14.81	105	3622592	9.735	ppbv	98
64) n-propylbenzene	15.70	120	670977	7.041	ppbv	95
70) n-Butylbenzene	18.69	91	139611	0.317	ppbv #	91
72) 4-Ethyltoluene	15.98	105	310857	0.989	ppbv #	89
73) 1,3,5-Trimethylbenzene	16.14	105	94353	0.305	ppbv	92
74) 1,2,4-Trimethylbenzene	16.90	105	328548	0.921	ppbv #	77
76) 1,4-Dichlorobenzene	17.29	146	22869m	0.112	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.01 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

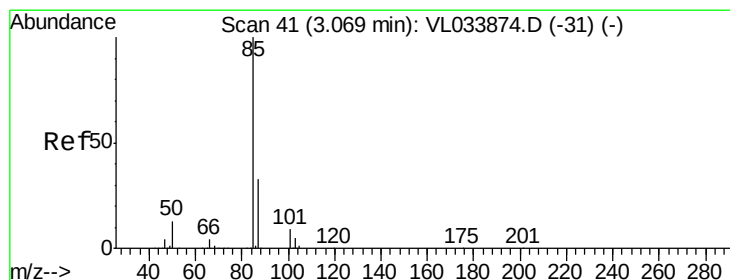
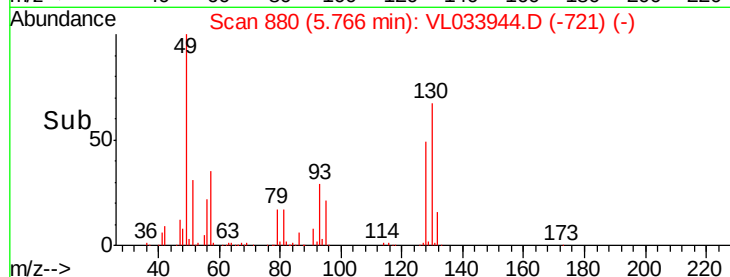
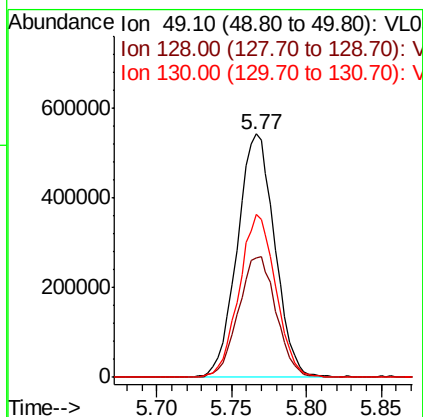
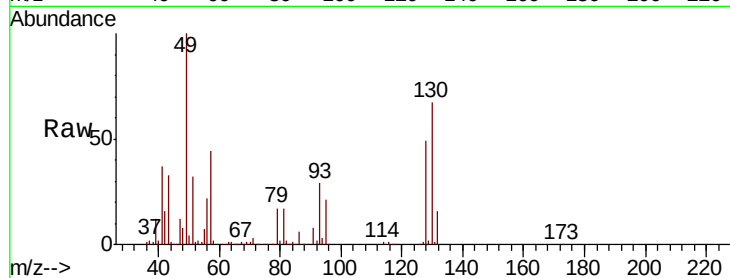
ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion	Ratio	Lower	Upper
49	100		
128	50.0	25.5	76.5
130	65.2	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
7/1/2019 5:01:25 PM



#2

Dichlorodifluoromethane

Concen: 0.323 ppbv

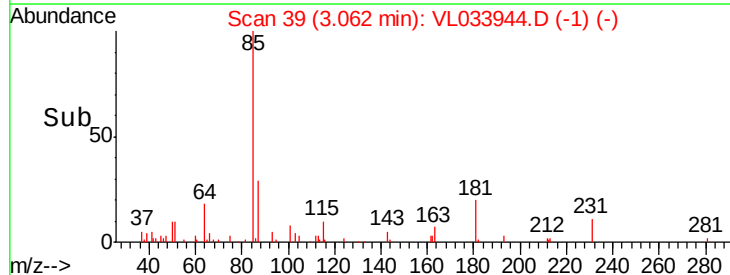
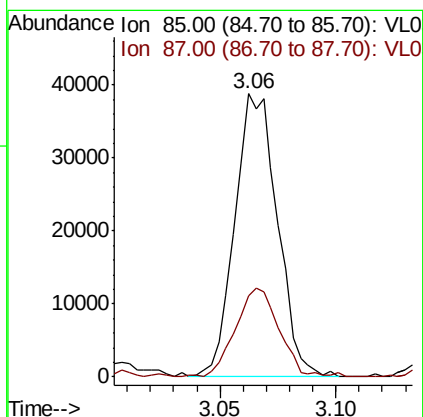
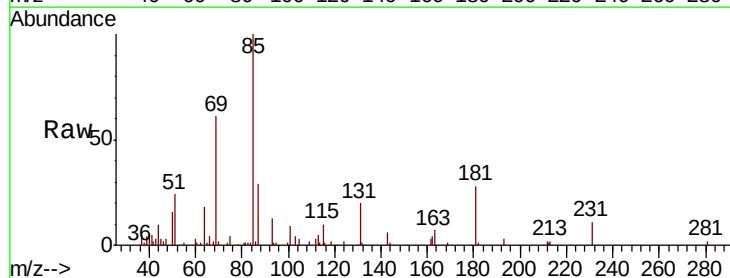
RT: 3.06 min Scan# 39

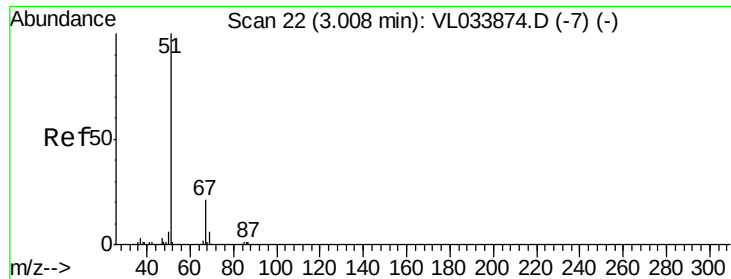
Delta R.T. -0.01 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	28.0	26.6	40.0





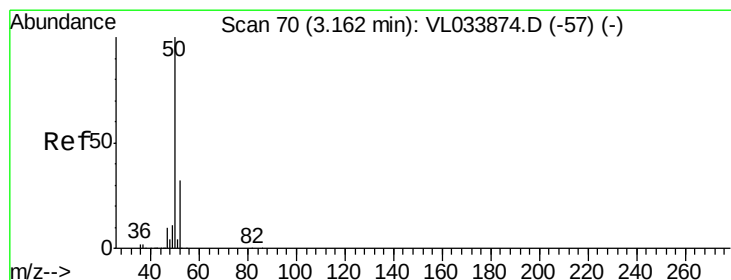
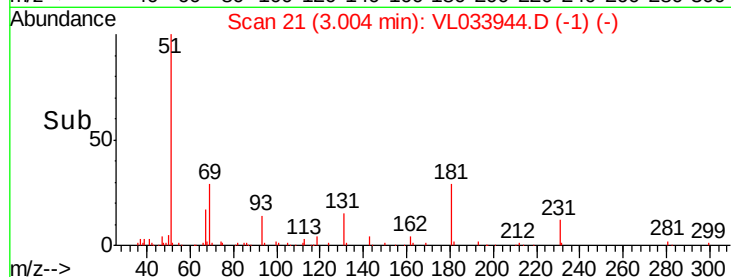
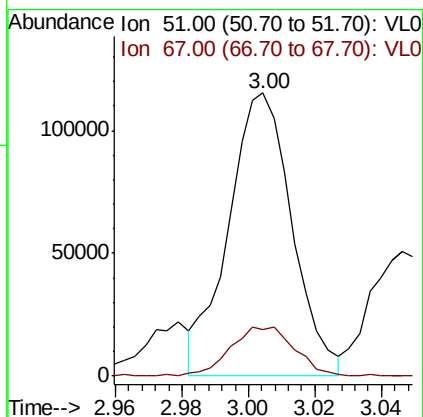
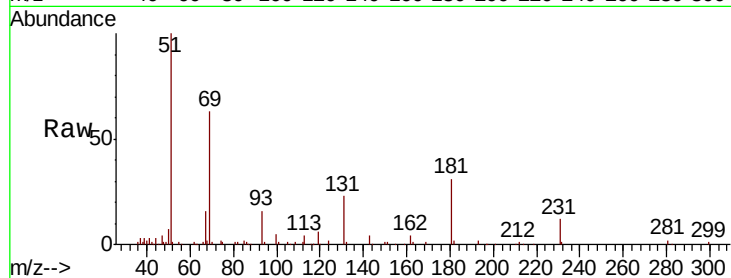
#3
Chlorodifluoromethane
Concen: 1.380 ppbv m
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

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

Tot Ion: 51 Resp: 153584
Ion Ratio Lower Upper
51 100
67 17.7 16.4 24.6

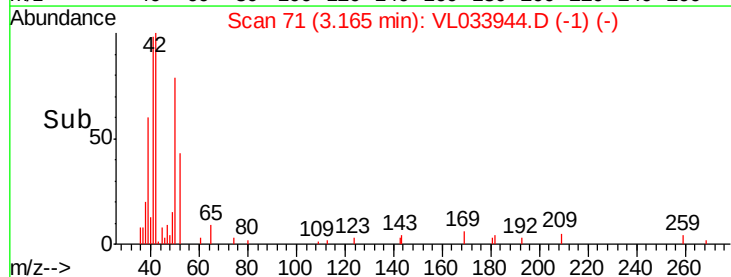
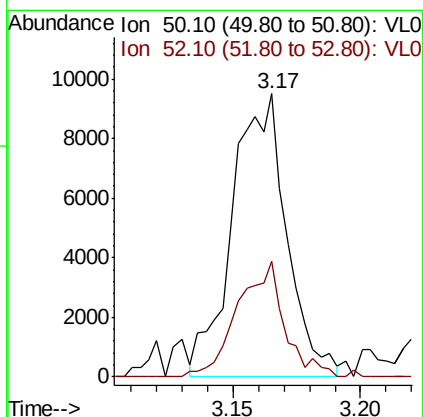
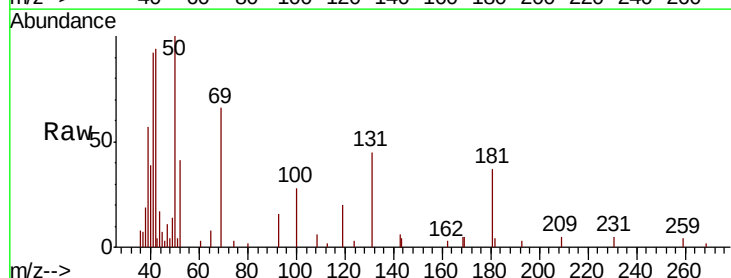
Manual Integrations
APPROVED

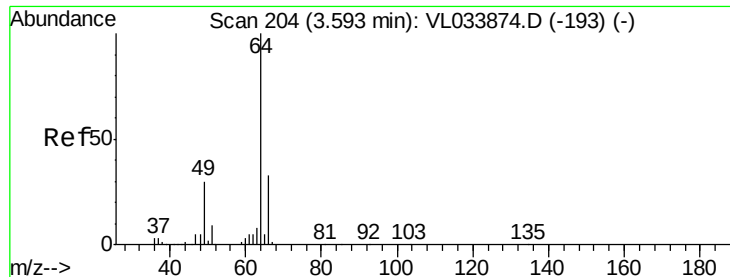
MMDadoda
7/1/2019 5:01:25 PM



#4
Chloromethane
Concen: 0.222 ppbv m
RT: 3.17 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

Tgt Ion: 50 Resp: 14119
Ion Ratio Lower Upper
50 100
52 40.8 25.4 38.0#





#7

Chloroethane

Concen: 0.467 ppbv m

RT: 3.59 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion: 64 Resp: 10884

Ion Ratio Lower Upper

64 100

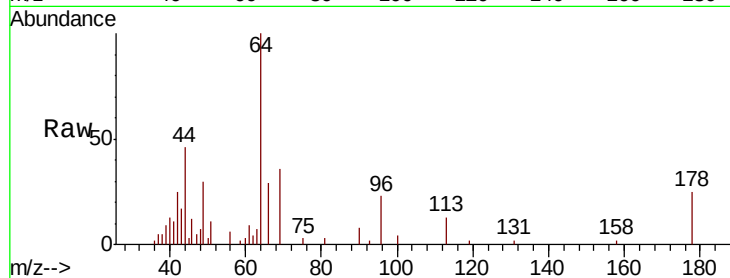
66 28.8 26.7 40.1

Manual Integrations

APPROVED

MMDadoda

7/1/2019 5:01:25 PM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.59

10000

8000

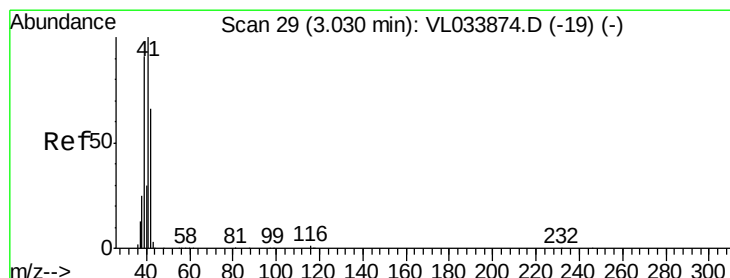
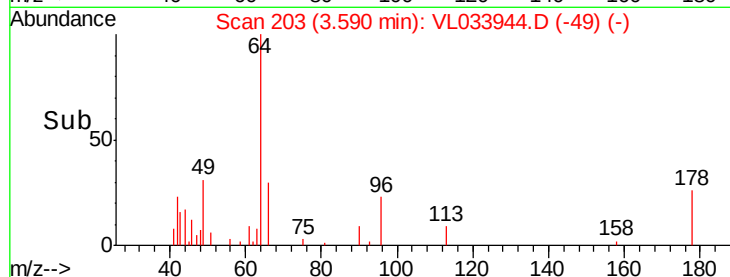
6000

4000

2000

0

Time-->



#9

Propene

Concen: 3.154 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.00 min

Lab File: VL033944.D

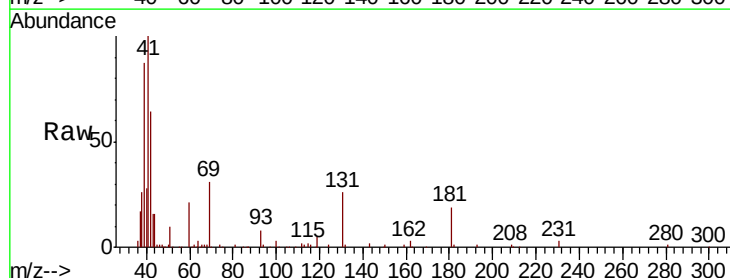
Acq: 24 Jun 2019 19:58

Tgt Ion: 41 Resp: 131328

Ion Ratio Lower Upper

41 100

42 59.6 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

100000

80000

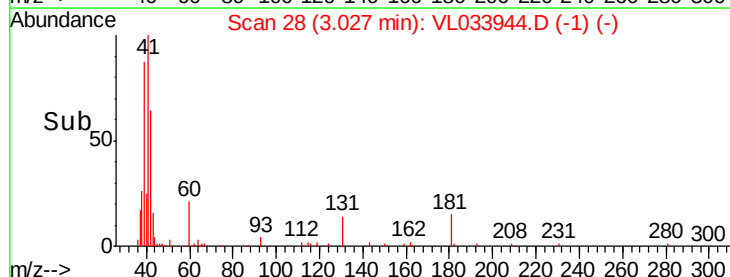
60000

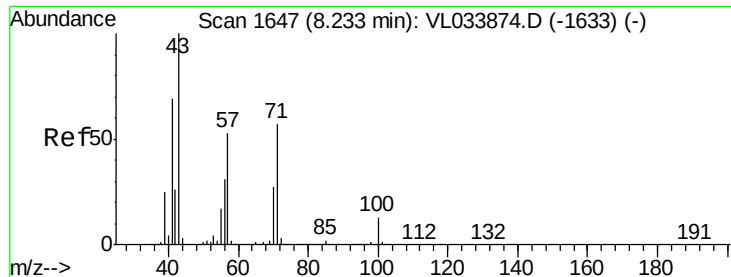
40000

20000

0

Time-->





#10

Heptane

Concen: 31.631 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. 0.01 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion: 43 Resp: 3329136

Ion Ratio Lower Upper

43 100

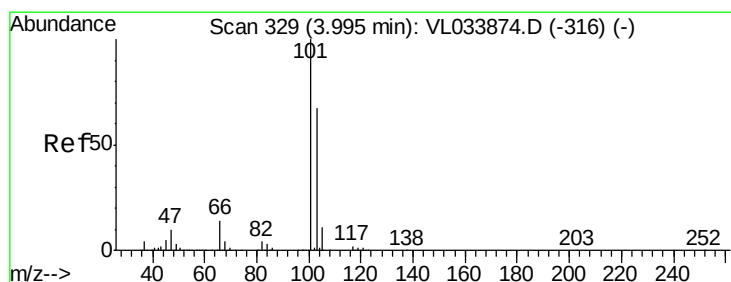
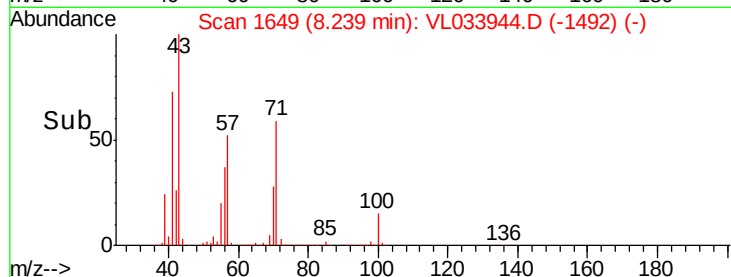
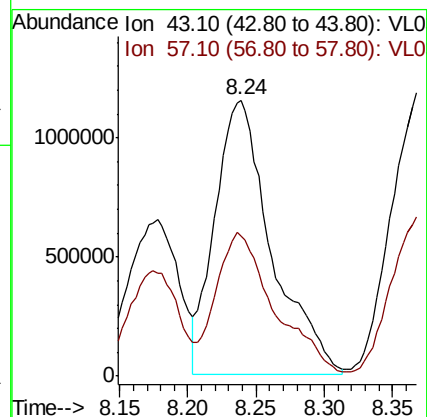
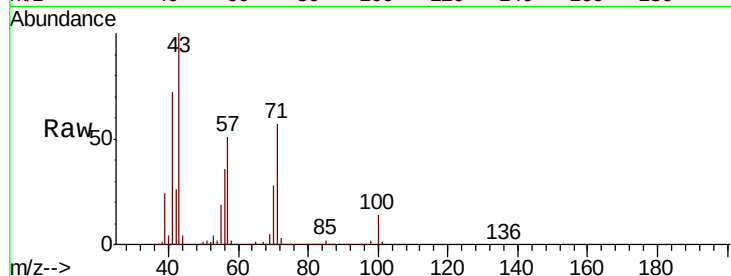
57 55.2 41.7 62.5

Manual Integrations

APPROVED

MMDadoda

7/1/2019 5:01:25 PM



#11

Trichlorofluoromethane

Concen: 1.929 ppbv

RT: 3.99 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL033944.D

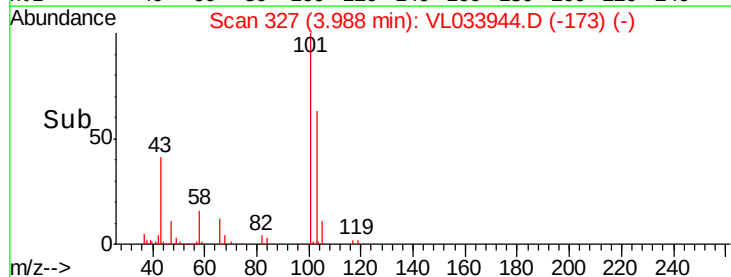
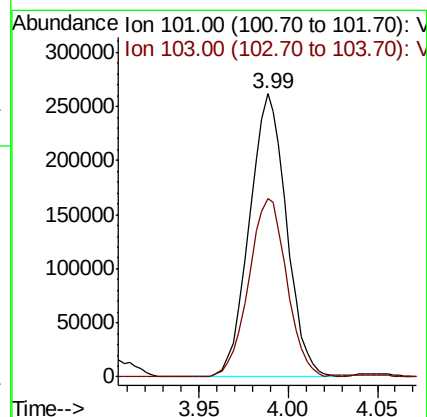
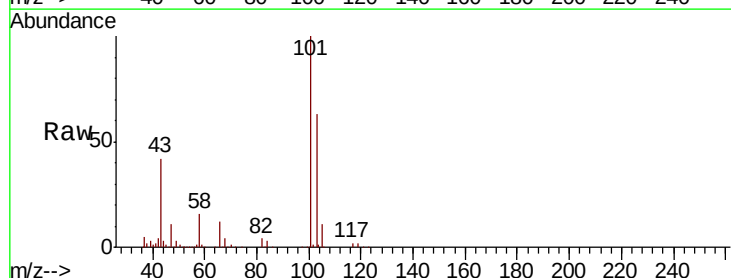
Acq: 24 Jun 2019 19:58

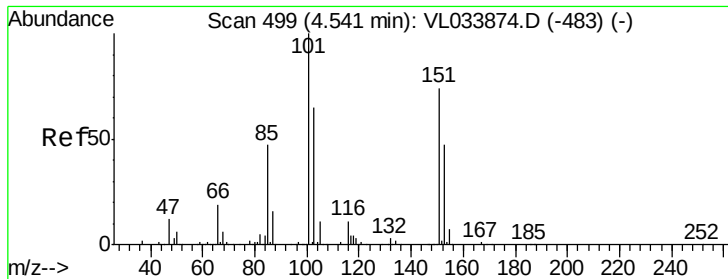
Tgt Ion: 101 Resp: 381743

Ion Ratio Lower Upper

101 100

103 62.8 53.6 80.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.082 ppbv m

RT: 4.53 min Scan# 495

Delta R.T. -0.01 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

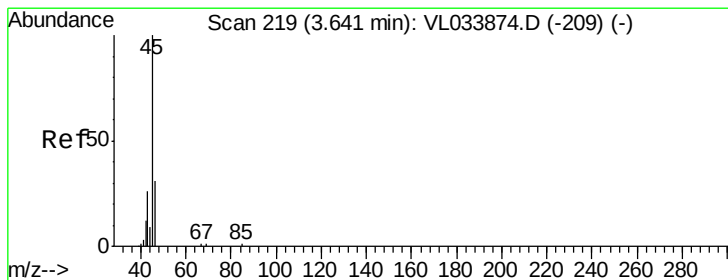
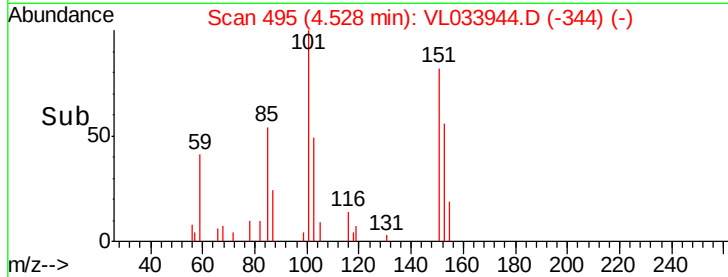
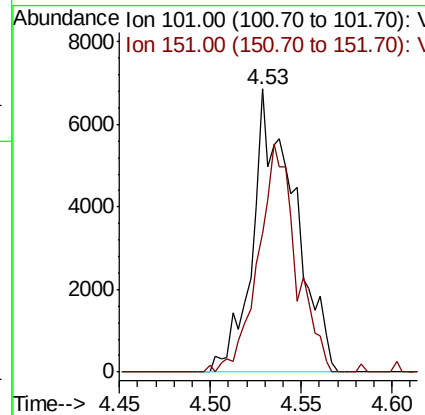
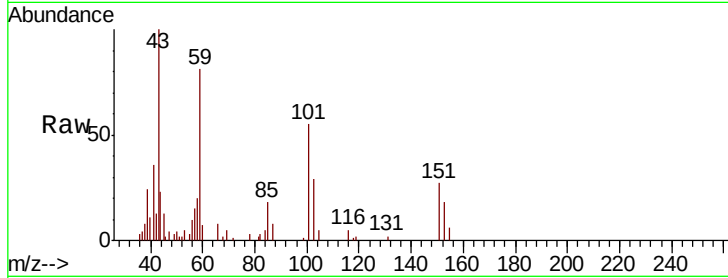
ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion:101 Resp: 10984
 Ion Ratio Lower Upper
 101 100
 151 73.1 58.6 87.8

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 5:01:25 PM



#13

Ethanol

Concen: 66.317 ppbv

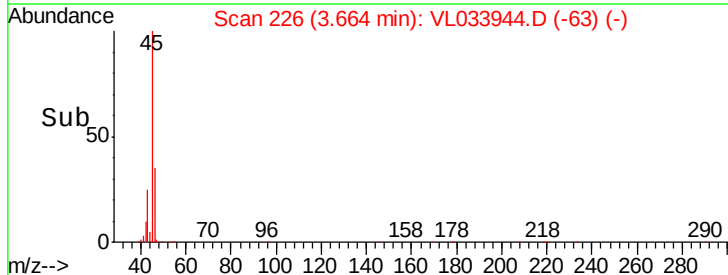
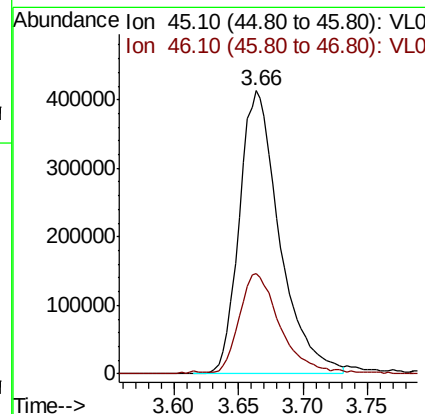
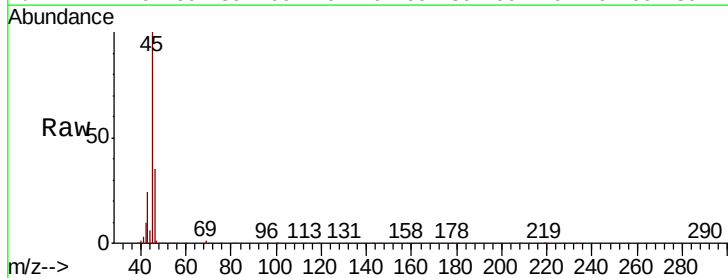
RT: 3.66 min Scan# 226

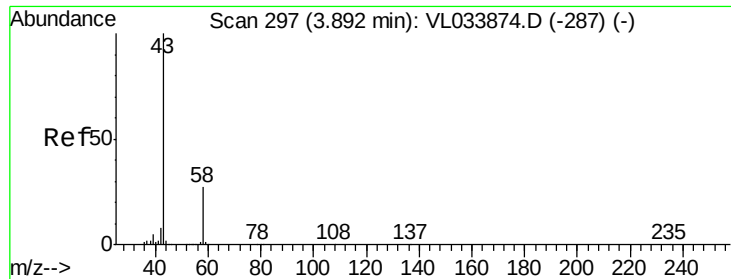
Delta R.T. 0.02 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Tgt Ion: 45 Resp: 898463
 Ion Ratio Lower Upper
 45 100
 46 36.2 15.3 61.1





#15

Acetone

Concen: 229.883 ppbv m

RT: 3.89 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion: 43 Resp:31693590

Ion Ratio Lower Upper

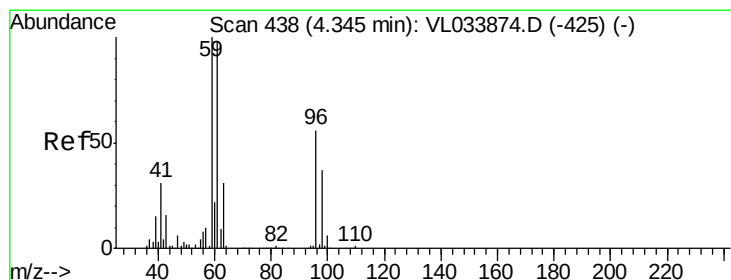
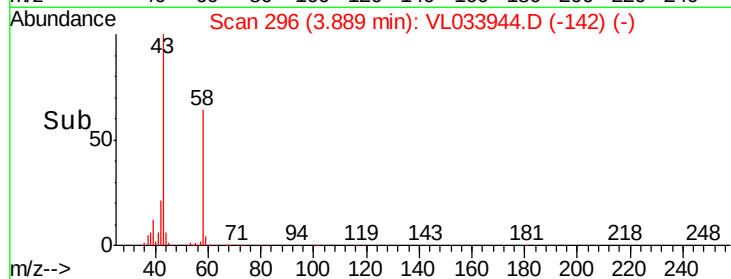
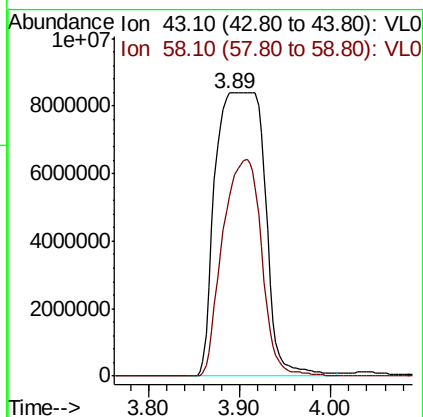
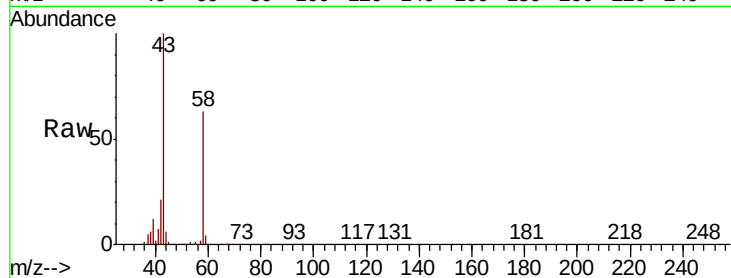
43 100

58 60.3 21.3 31.9#

Manual Integrations
APPROVED

MMDadoda

7/1/2019 5:01:25 PM



#17

tert-Butyl alcohol

Concen: 118.573 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.02 min

Lab File: VL033944.D

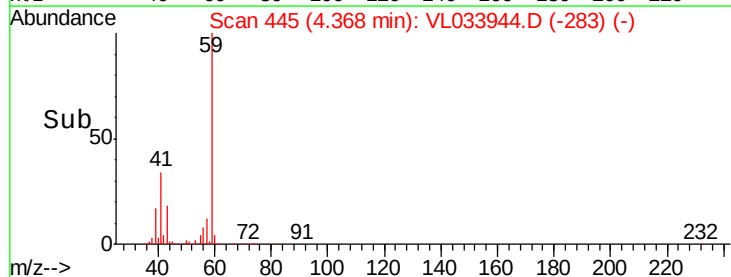
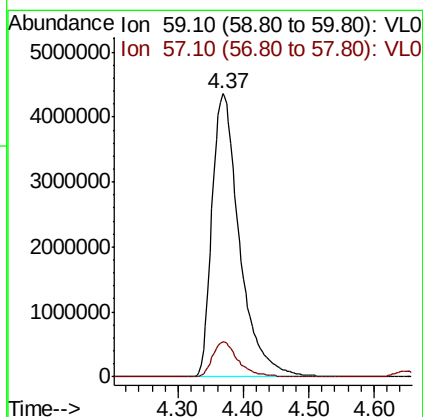
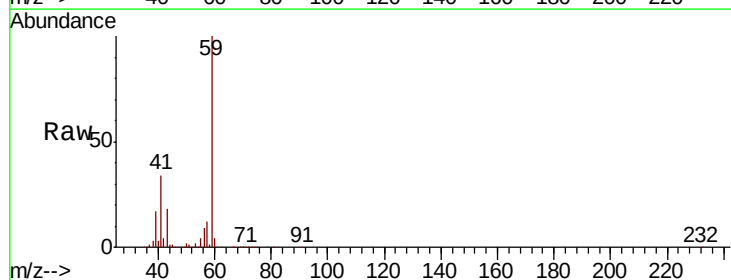
Acq: 24 Jun 2019 19:58

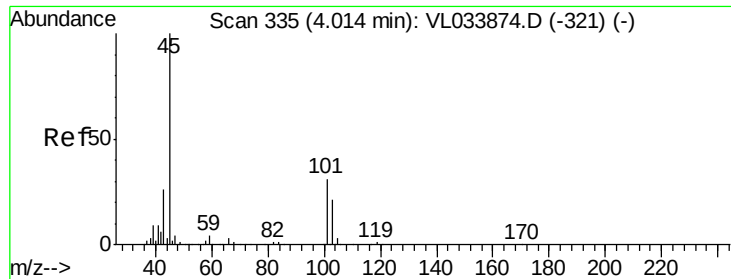
Tgt Ion: 59 Resp:12779155

Ion Ratio Lower Upper

59 100

57 11.7 8.4 12.6





#19

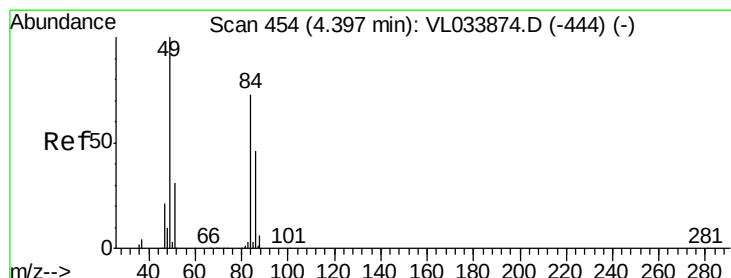
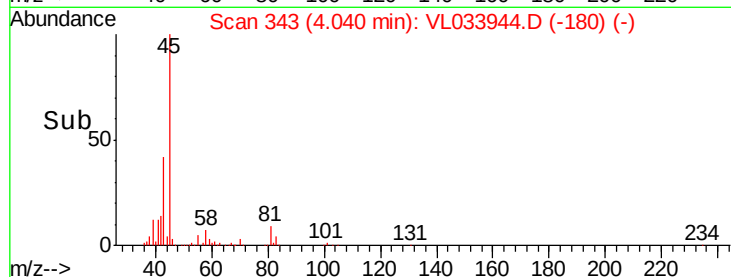
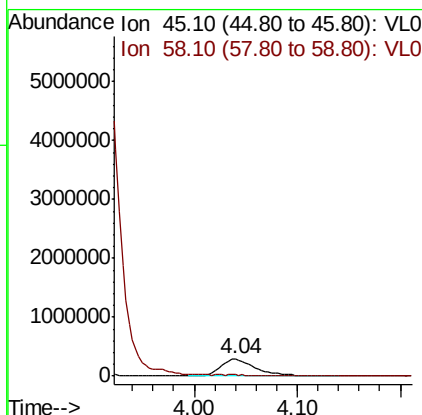
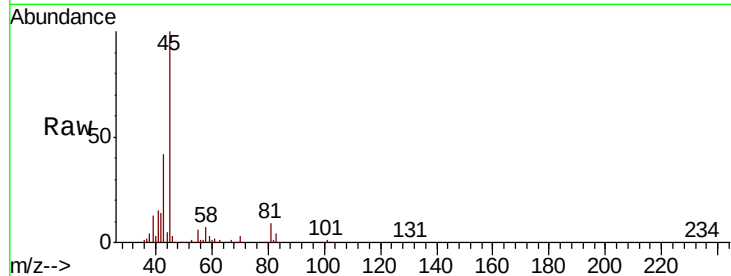
Isopropyl Alcohol
 Concen: 8.728 ppbv
 RT: 4.04 min Scan# 343
 Delta R.T. 0.03 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

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

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#

Manual Integrations
 APPROVED

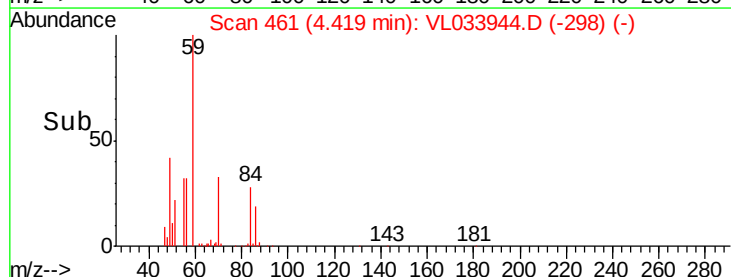
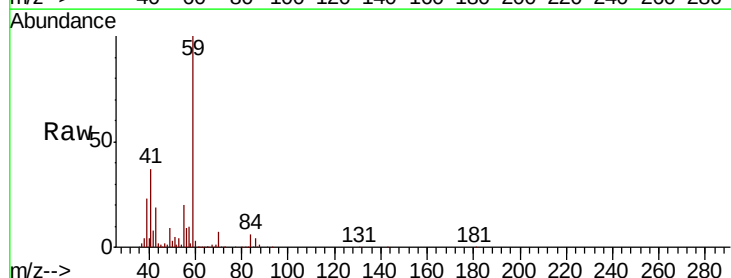
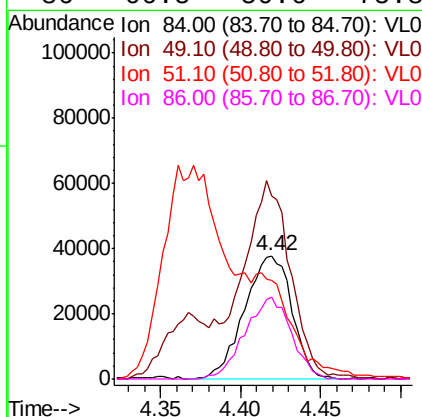
MMDadoda
 7/1/2019 5:01:25 PM

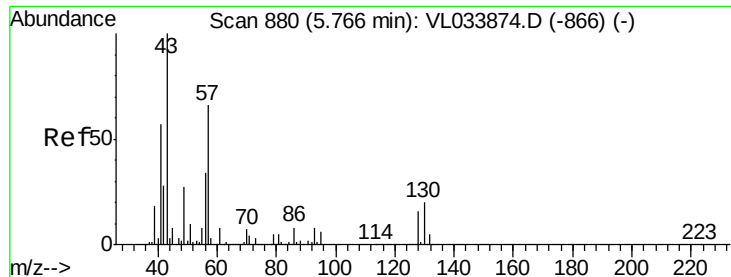


#20

Methylene Chloride
 Concen: 1.434 ppbv
 RT: 4.42 min Scan# 461
 Delta R.T. 0.02 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.1	110.0	165.0
51	73.6	34.6	51.8#
86	66.5	50.6	75.8





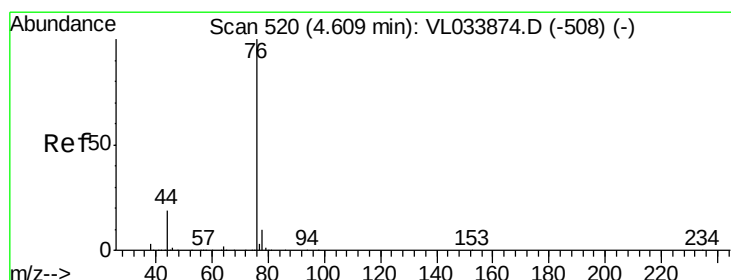
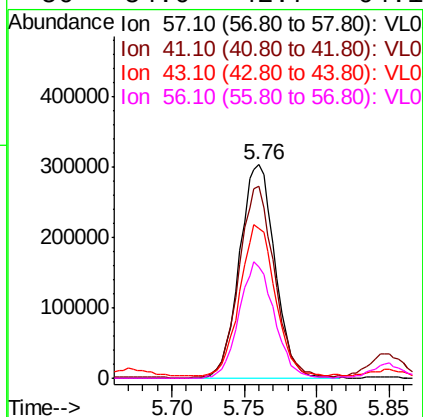
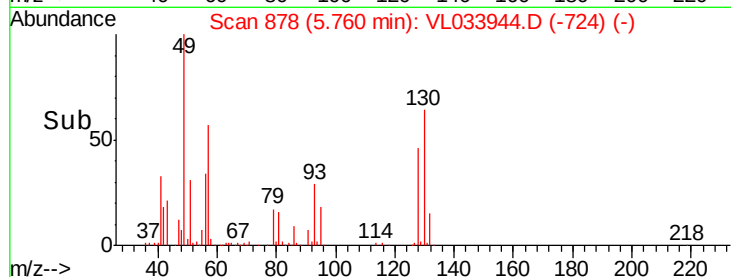
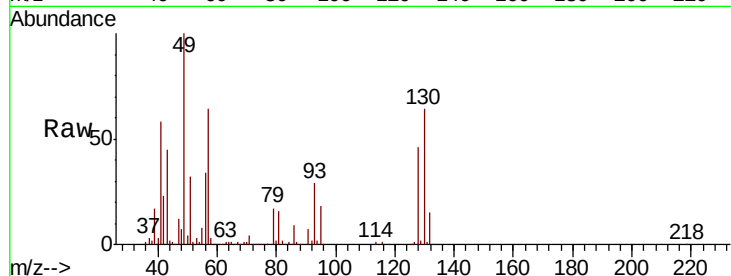
#26
Hexane
Concen: 5.381 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

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

Tot Ion	Ratio	Lower	Upper
57	100		
41	90.6	71.4	107.2
43	70.4	183.7	275.5#
56	54.0	42.7	64.1

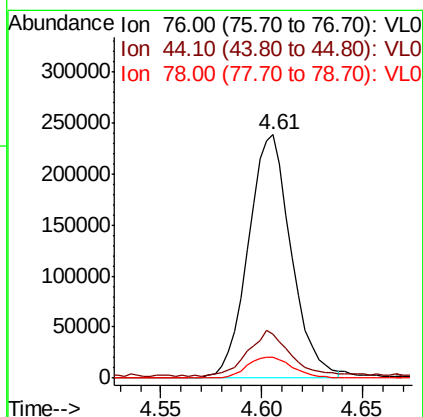
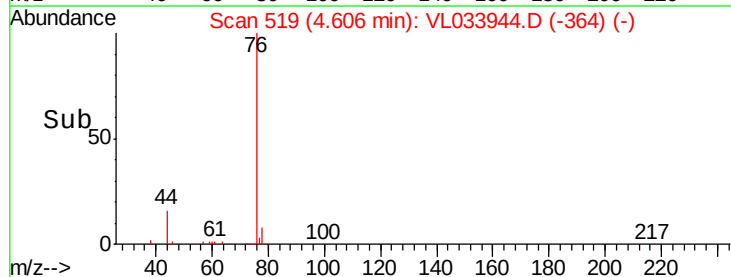
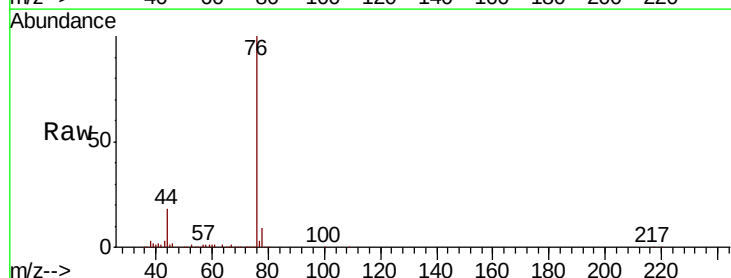
Manual Integrations
APPROVED

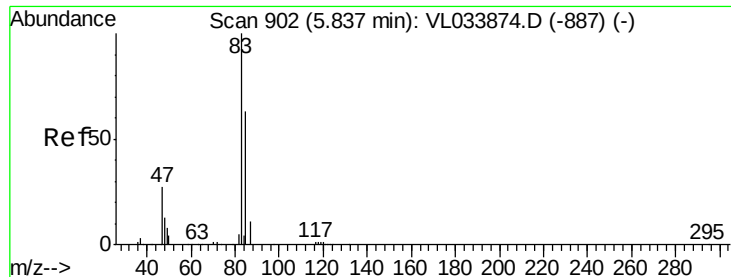
MMDadoda
7/1/2019 5:01:25 PM



#27
Carbon Disulfide
Concen: 2.680 ppbv
RT: 4.61 min Scan# 519
Delta R.T. -0.00 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
76	100		
44	19.8	14.4	21.6
78	9.3	7.5	11.3





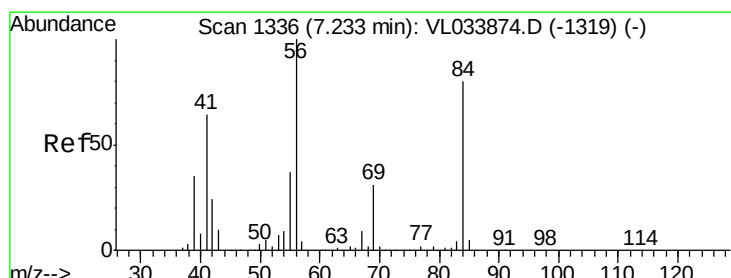
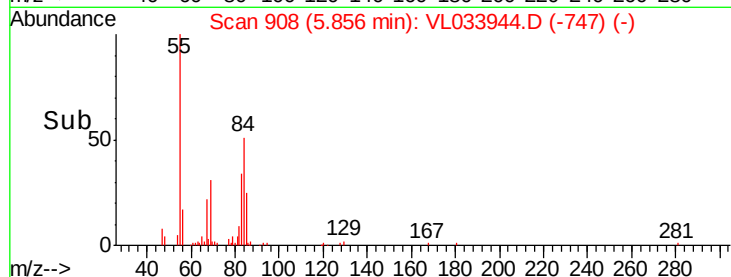
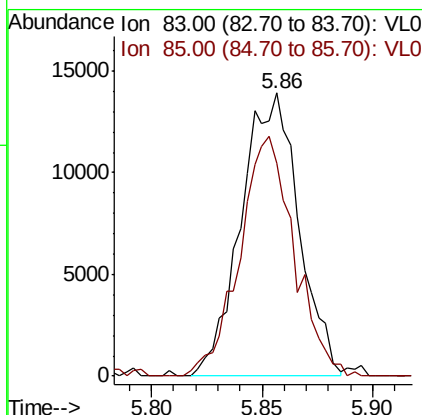
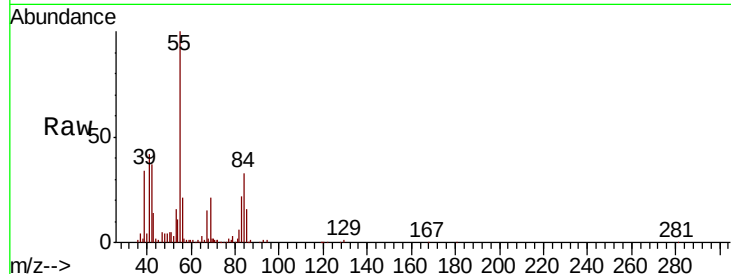
#29
Chloroform
Concen: 0.154 ppbv m
RT: 5.86 min Scan# 908
Delta R.T. 0.02 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

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

Tot Ion: 83 Resp: 25245
Ion Ratio Lower Upper
83 100
85 75.2 50.5 75.7

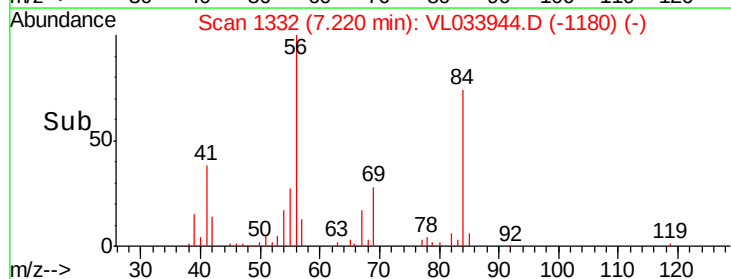
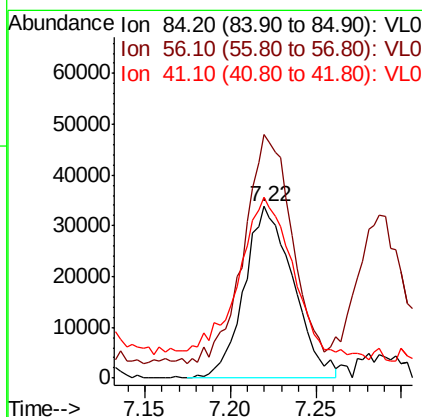
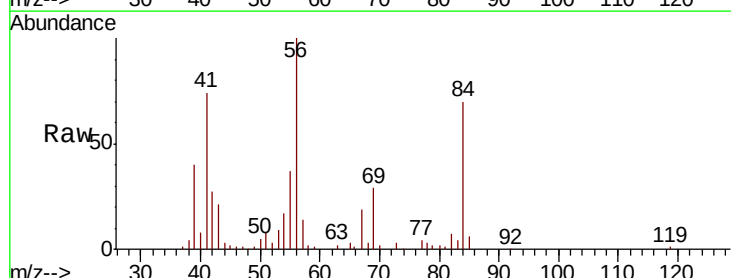
Manual Integrations
APPROVED

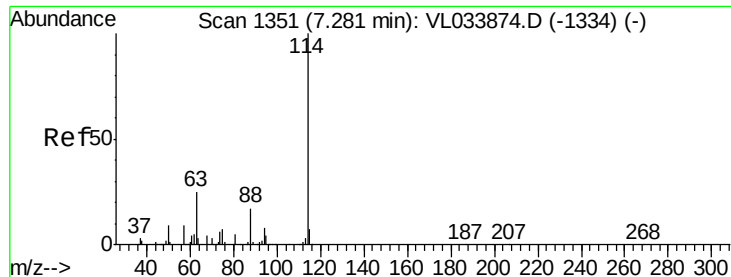
MMDadoda
7/1/2019 5:01:25 PM



#30
Cyclohexane
Concen: 0.990 ppbv m
RT: 7.22 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

Tgt Ion: 84 Resp: 66840
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 0.0 65.7 98.5#





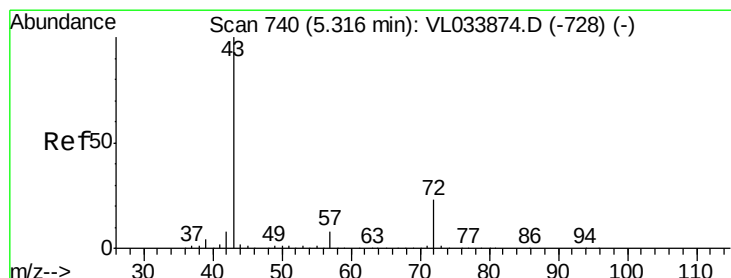
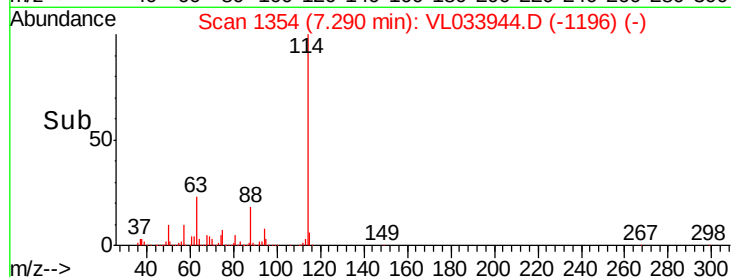
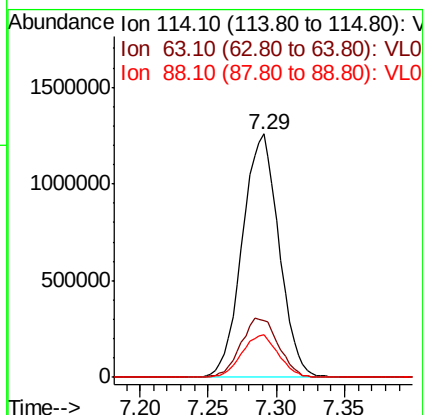
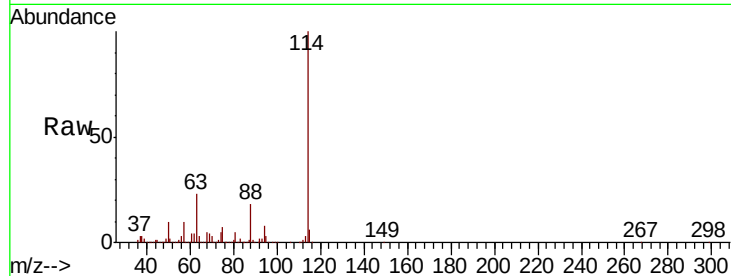
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. 0.01 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.1	31.7
88	17.6	14.2	21.4

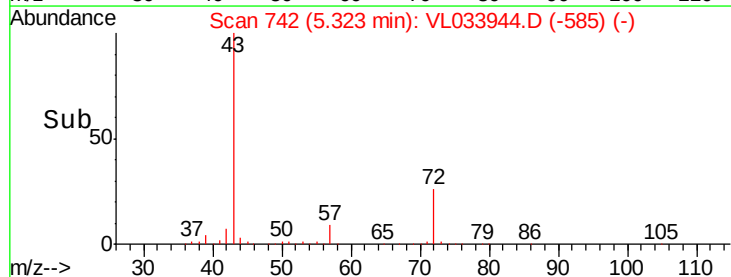
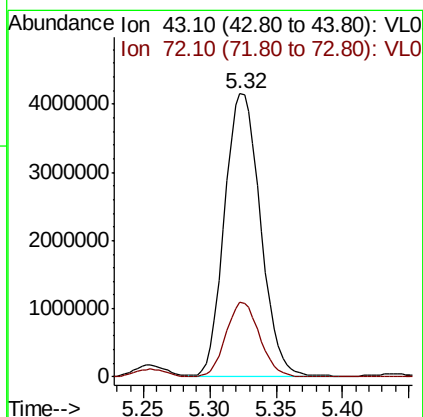
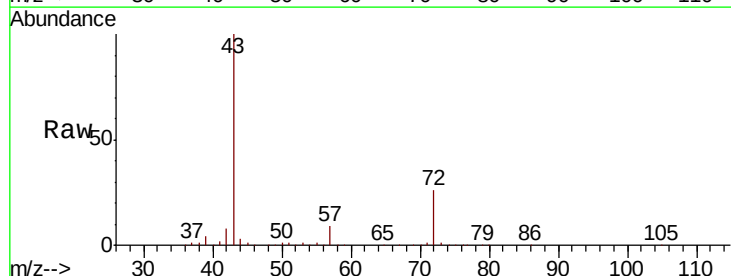
Manual Integrations
 APPROVED

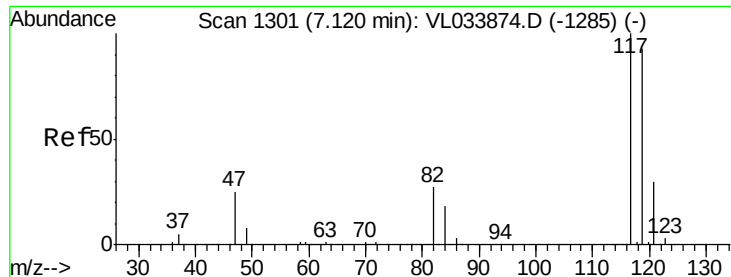
MMDadoda
 7/1/2019 5:01:25 PM



#34
 2-Butanone
 Concen: 59.041 ppbv
 RT: 5.32 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.0	17.9	26.9





#35

Carbon Tetrachloride

Concen: 0.061 ppbv m

RT: 7.13 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

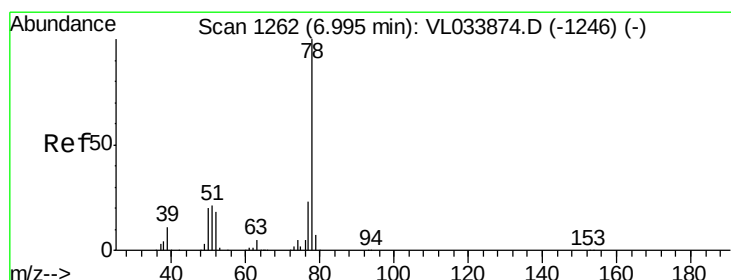
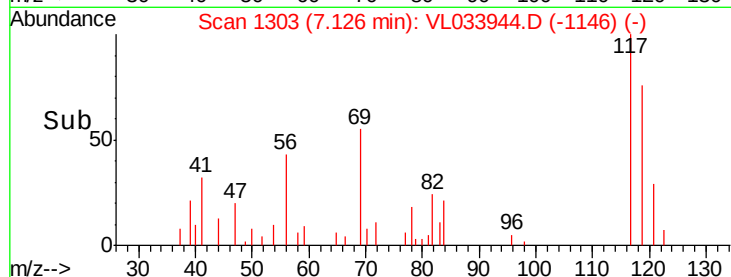
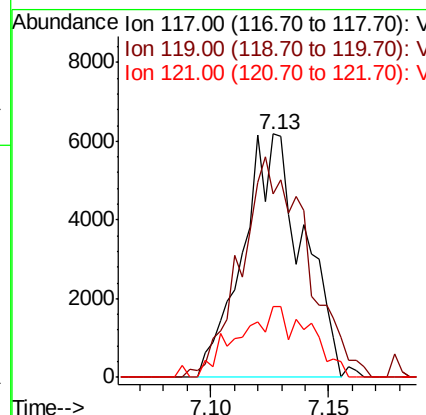
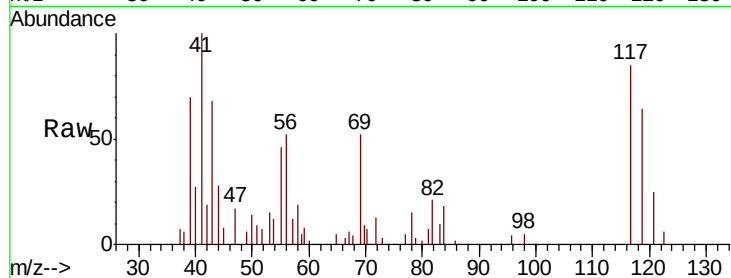
ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion	Ratio	Lower	Upper
117	100		
119	75.5	74.6	111.8
121	29.2	24.0	36.0

Manual Integrations
APPROVED

MMDadoda
7/1/2019 5:01:25 PM



#36

Benzene

Concen: 25.816 ppbv

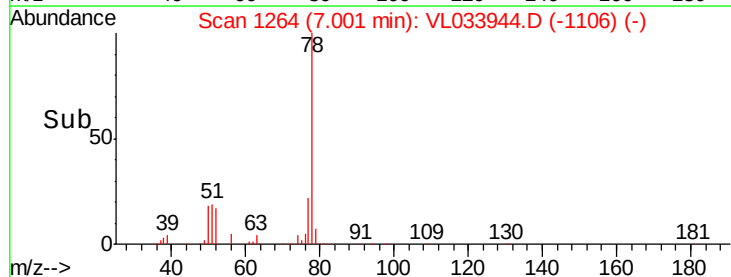
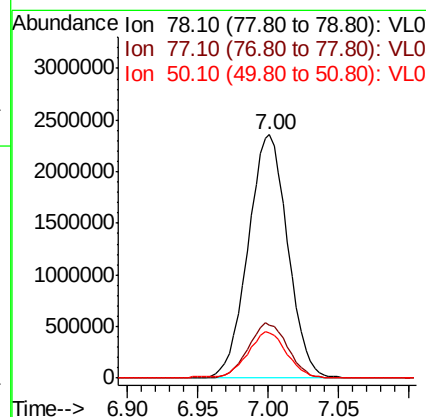
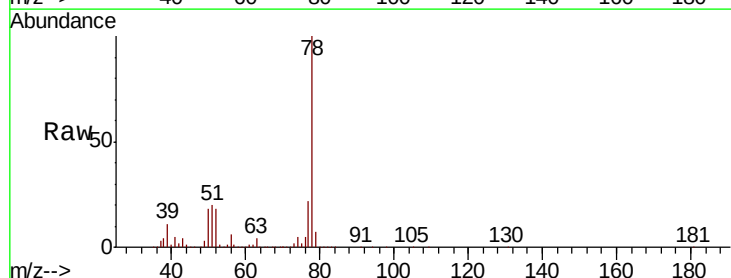
RT: 7.00 min Scan# 1264

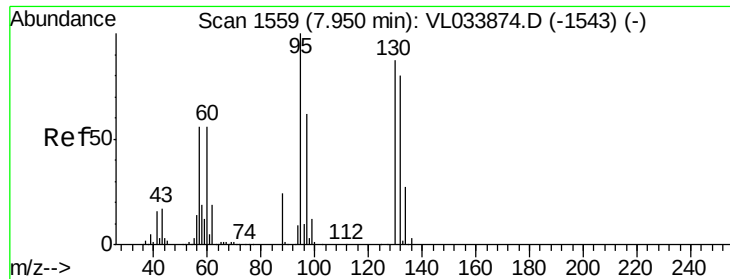
Delta R.T. 0.01 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.2	27.2
50	18.2	15.9	23.9





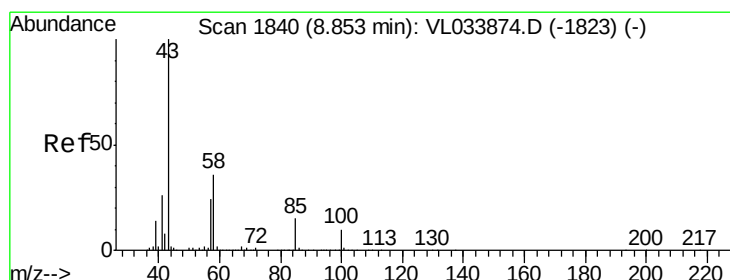
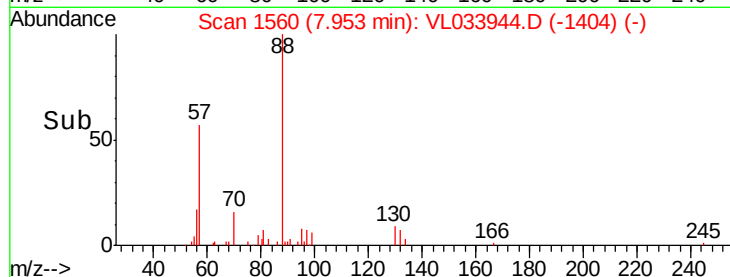
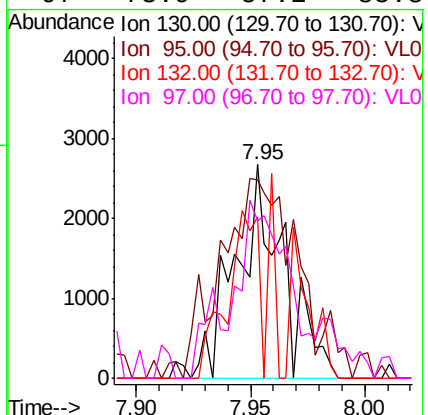
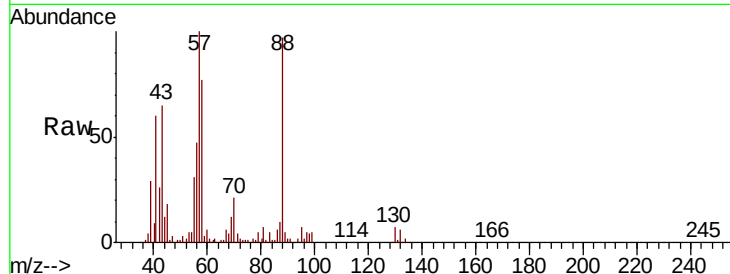
#38
 Trichloroethene
 Concen: 0.056 ppbv m
 RT: 7.95 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

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

Tot Ion	Ratio	Lower	Upper
130	100		
95	92.7	92.0	138.0
132	75.5	73.8	110.8
97	73.9	57.2	85.8

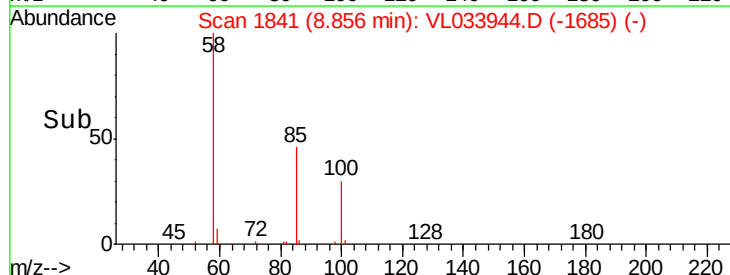
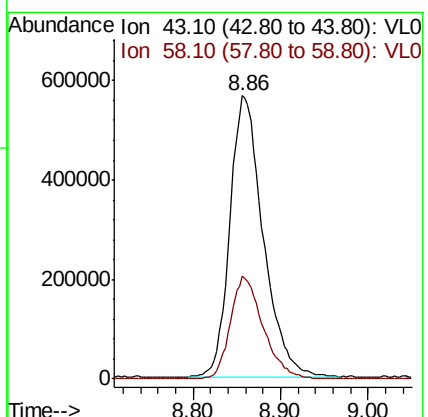
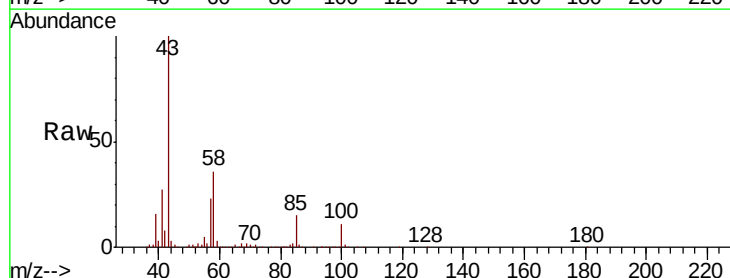
Manual Integrations
 APPROVED

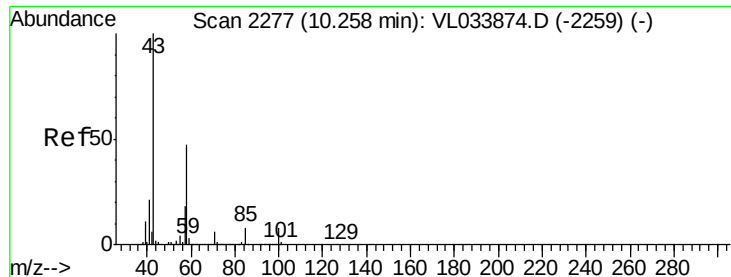
MMDadoda
 7/1/2019 5:01:25 PM



#50
 4-Methyl-2-Pentanone
 Concen: 7.538 ppbv
 RT: 8.86 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.6	42.8





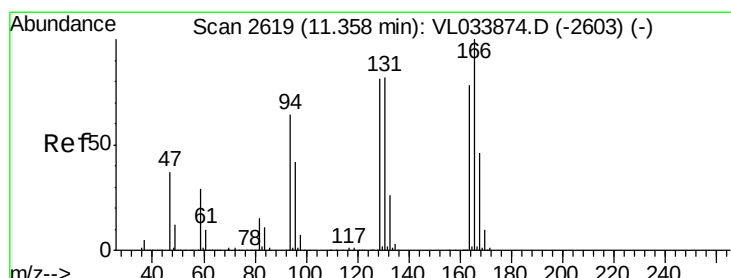
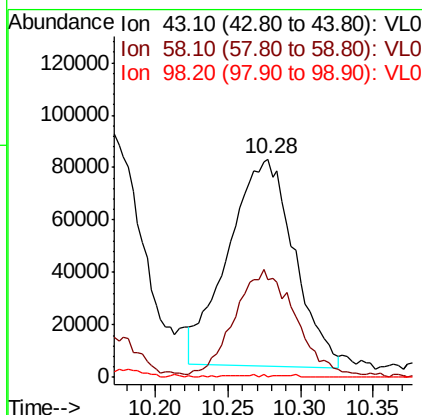
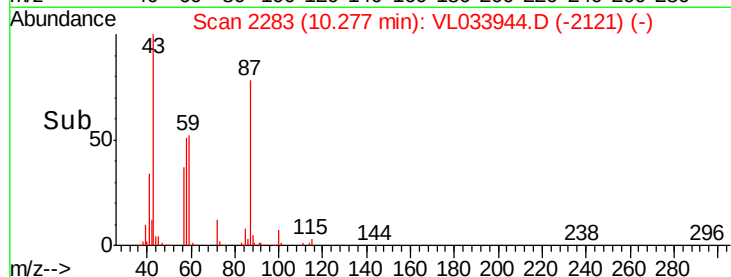
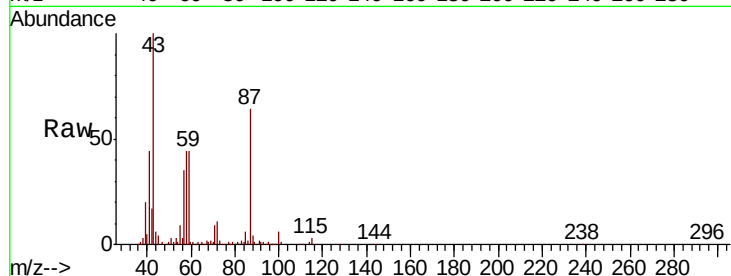
#51
2-Hexanone
Concen: 1.619 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.02 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.0	38.2	57.4
98	1.0	0.2	0.2#

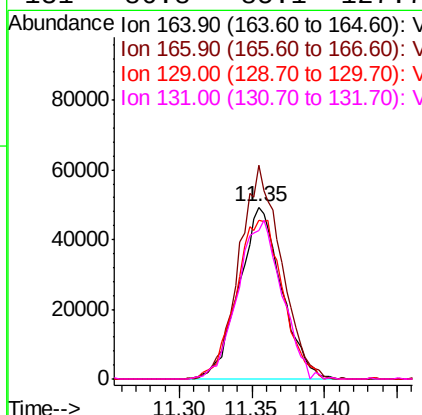
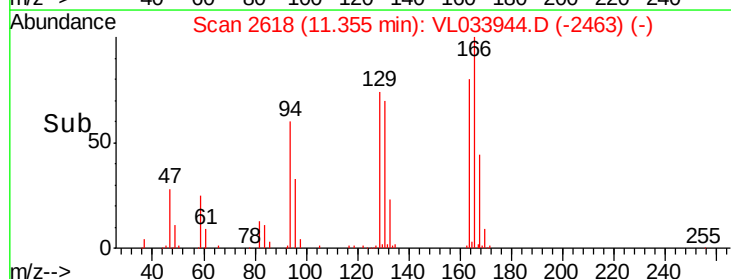
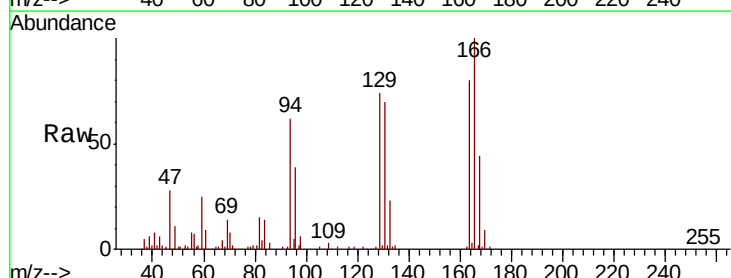
Manual Integrations
APPROVED

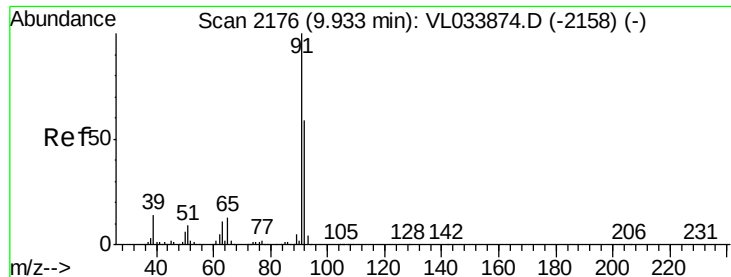
MMDadoda
7/1/2019 5:01:25 PM



#52
Tetrachloroethene
Concen: 1.597 ppbv
RT: 11.35 min Scan# 2618
Delta R.T. -0.00 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.1	154.7
129	92.4	83.9	125.9
131	86.8	85.1	127.7





#53

Toluene

Concen: 92.194 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion: 91 Resp:18313528

Ion Ratio Lower Upper

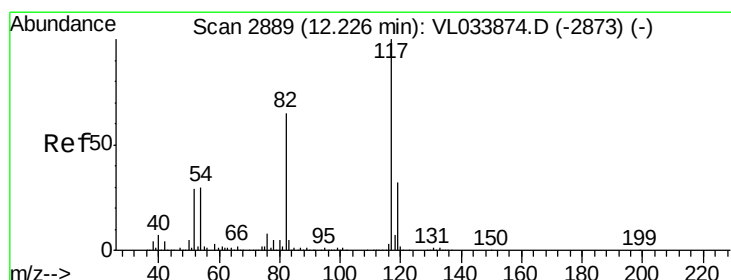
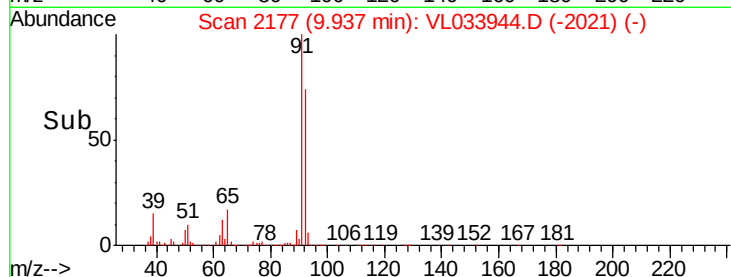
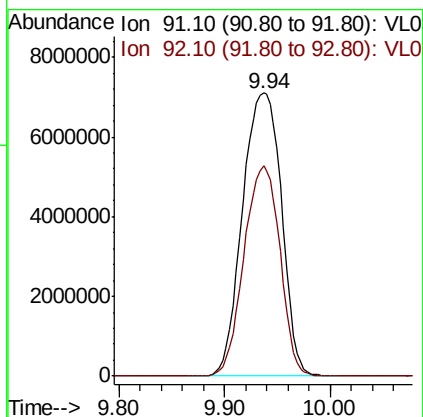
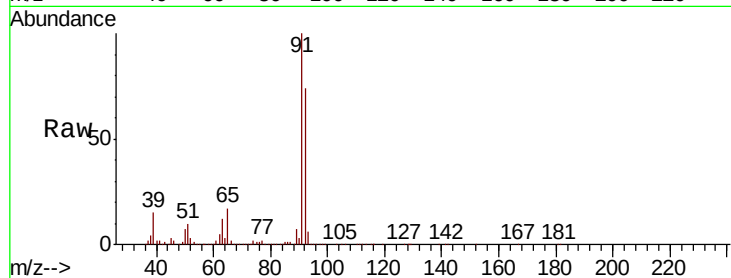
91 100

92 68.7 47.0 70.6

Manual Integrations
APPROVED

MMDadoda

7/1/2019 5:01:25 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.22 min Scan# 2887

Delta R.T. -0.01 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

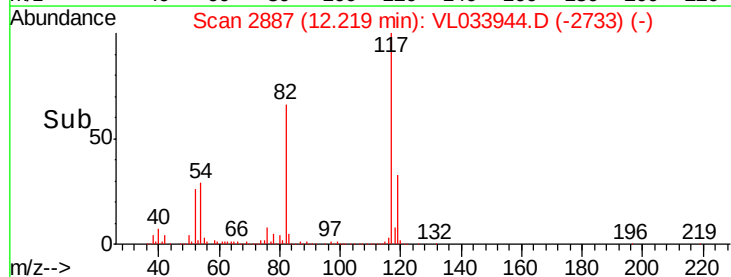
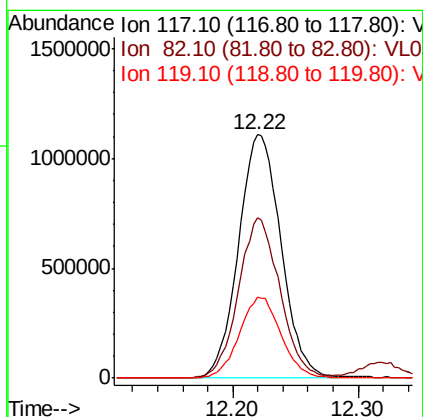
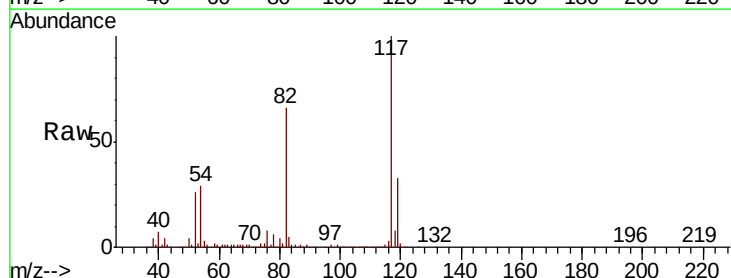
Tgt Ion:117 Resp: 2608135

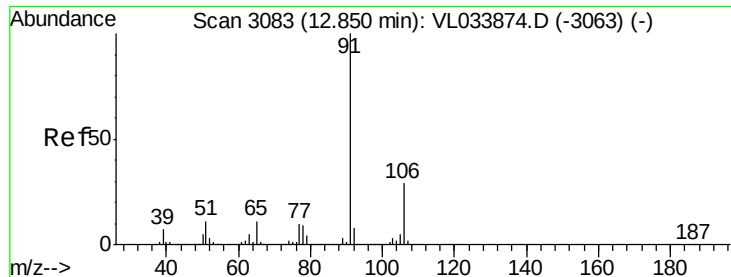
Ion Ratio Lower Upper

117 100

82 64.3 50.2 75.2

119 32.7 24.8 37.2





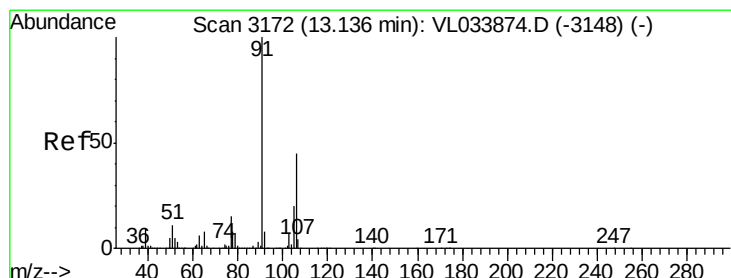
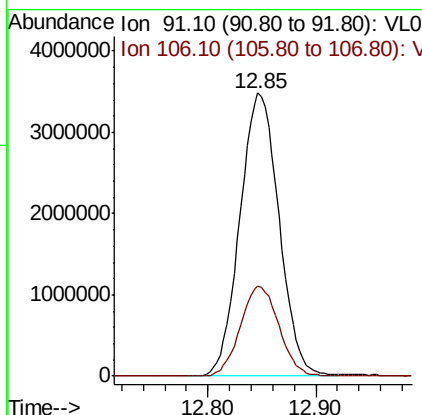
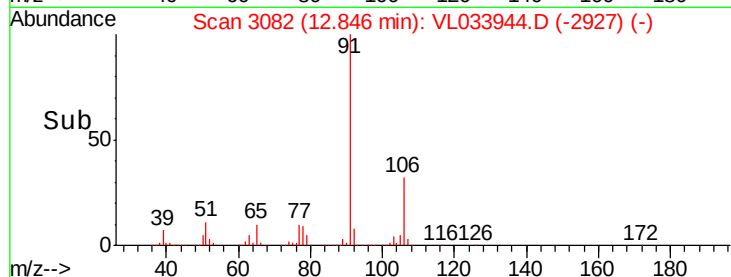
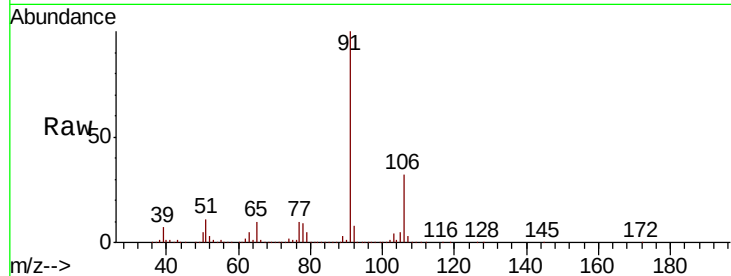
#58
Ethyl Benzene
Concen: 29.867 ppbv
RT: 12.85 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

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

Tot Ion: 91 Resp: 8782313
Ion Ratio Lower Upper
91 100
106 31.7 23.0 34.6

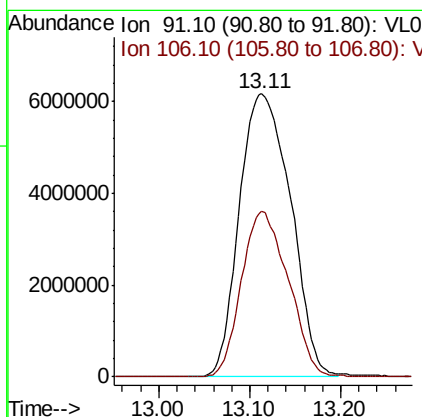
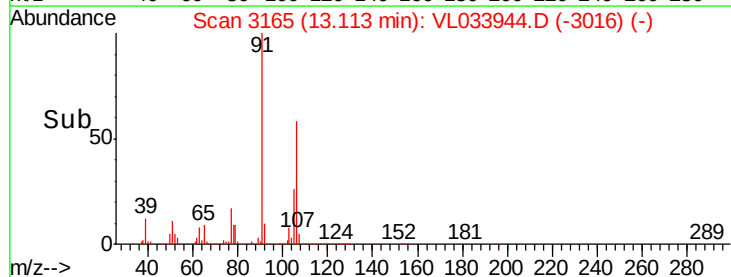
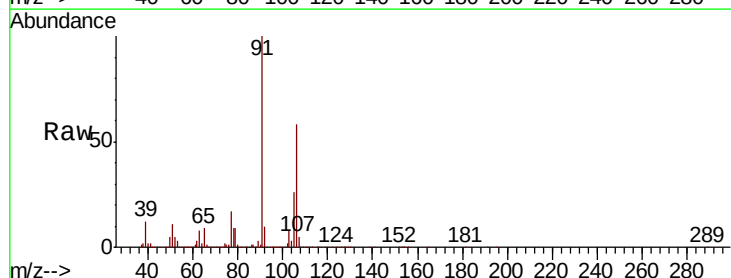
Manual Integrations
APPROVED

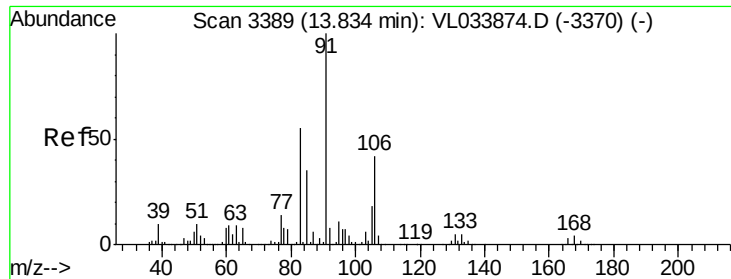
MMDadoda
7/1/2019 5:01:25 PM



#59
m/p-Xylene
Concen: 90.188 ppbv
RT: 13.11 min Scan# 3165
Delta R.T. -0.02 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

Tgt Ion: 91 Resp: 24116331
Ion Ratio Lower Upper
91 100
106 53.7 35.8 53.8





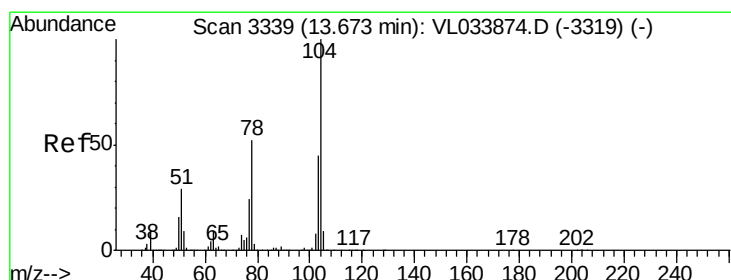
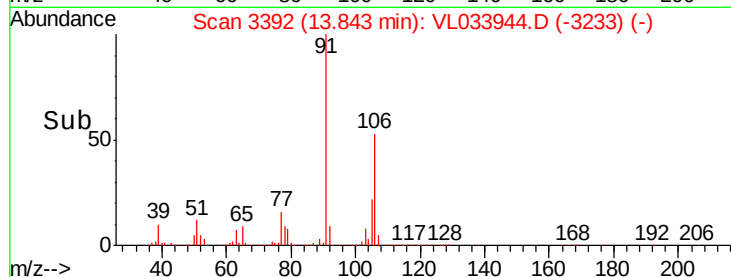
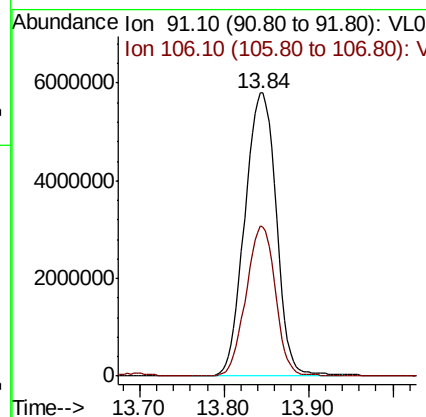
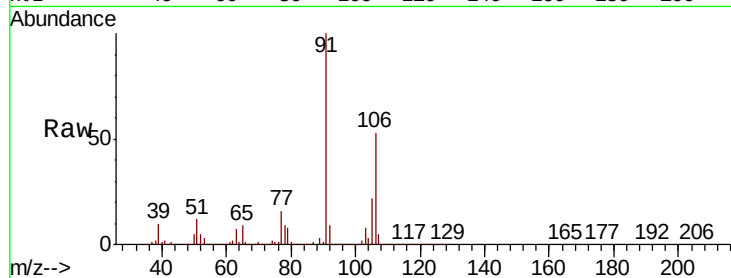
#60
o-Xylene
Concen: 54.652 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

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

Tot Ion: 91 Resp:15088731
Ion Ratio Lower Upper
91 100
106 49.7 21.7 65.1

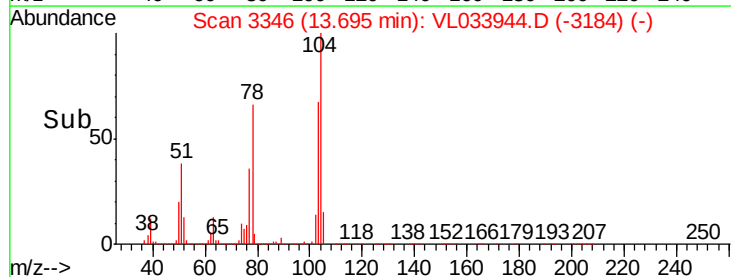
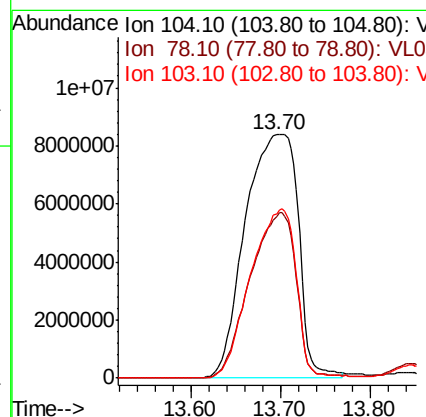
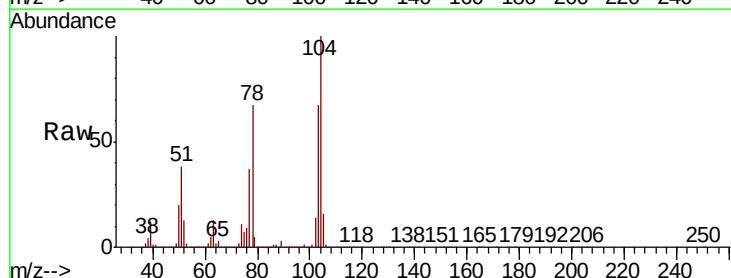
Manual Integrations
APPROVED

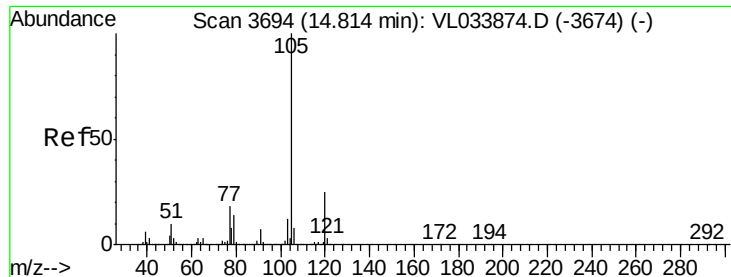
MMDadoda
7/1/2019 5:01:25 PM



#61
Styrene
Concen: 192.389 ppbv m
RT: 13.70 min Scan# 3346
Delta R.T. 0.02 min
Lab File: VL033944.D
Acq: 24 Jun 2019 19:58

Tgt Ion:104 Resp:34373665
Ion Ratio Lower Upper
104 100
78 3.9 43.4 65.0#
103 3.3 37.6 56.4#





#62

Isopropylbenzene

Concen: 9.735 ppbv

RT: 14.81 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion:105 Resp: 3622592

Ion Ratio Lower Upper

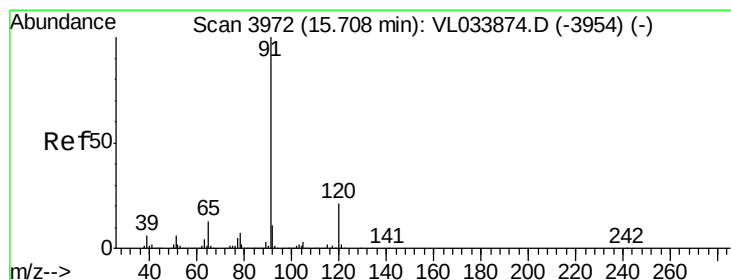
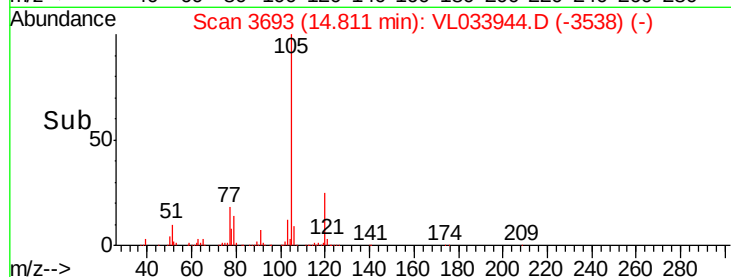
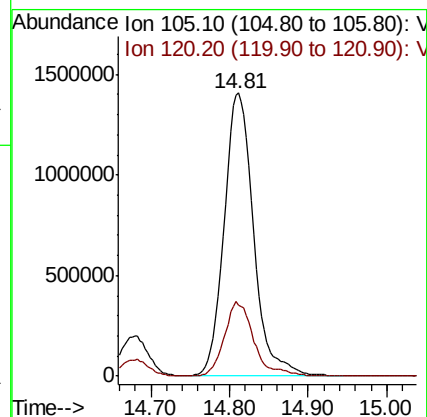
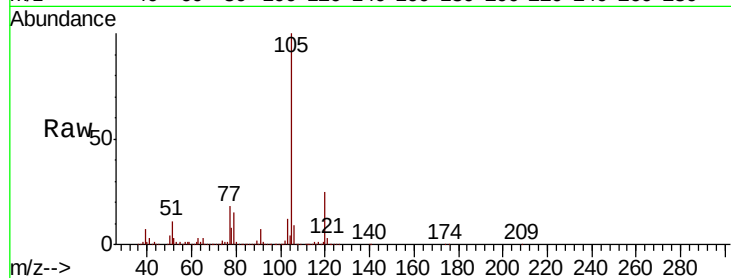
105 100

120 26.6 20.3 30.5

Manual Integrations
APPROVED

MMDadoda

7/1/2019 5:01:25 PM



#64

n-propylbenzene

Concen: 7.041 ppbv

RT: 15.70 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VL033944.D

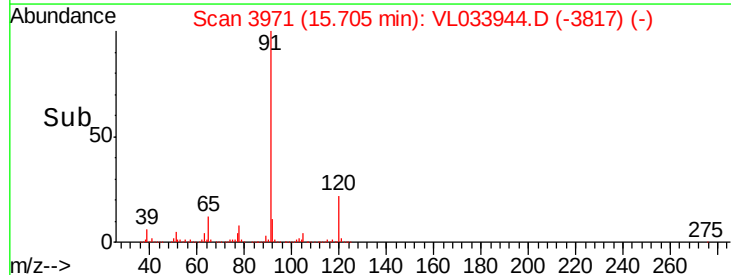
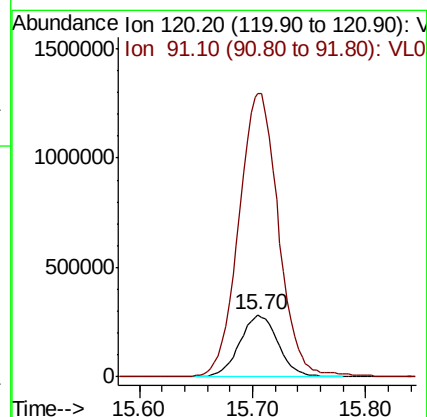
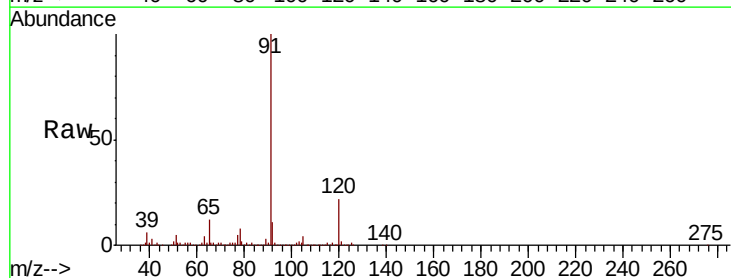
Acq: 24 Jun 2019 19:58

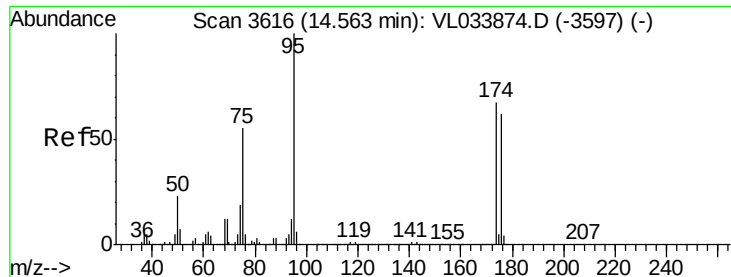
Tgt Ion:120 Resp: 670977

Ion Ratio Lower Upper

120 100

91 471.4 387.0 580.6





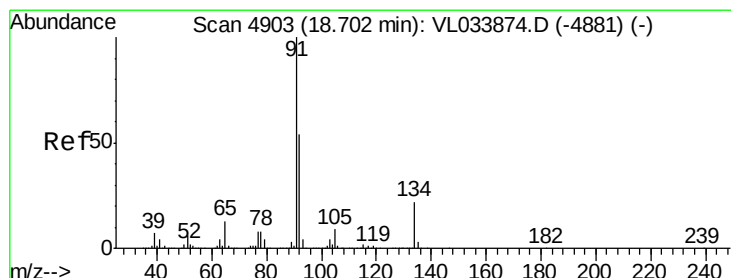
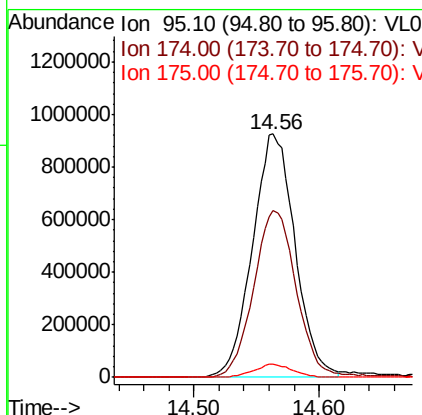
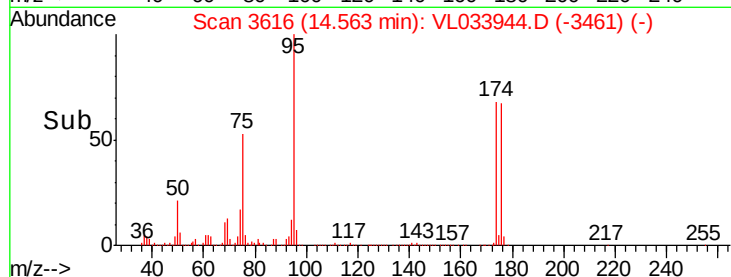
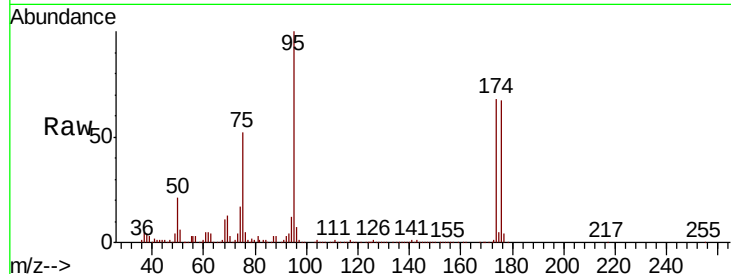
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.194 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.00 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

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

Tot Ion: 95 Resp: 2183751
 Ion Ratio Lower Upper
 95 100
 174 69.4 54.0 81.0
 175 5.1 3.8 5.8

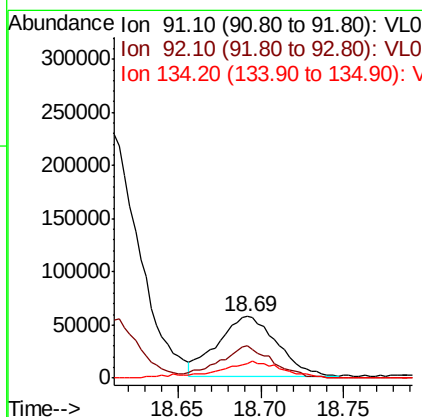
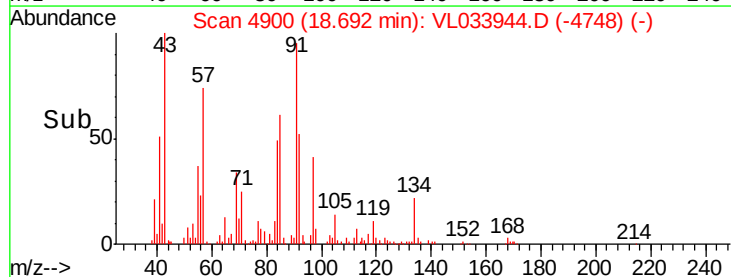
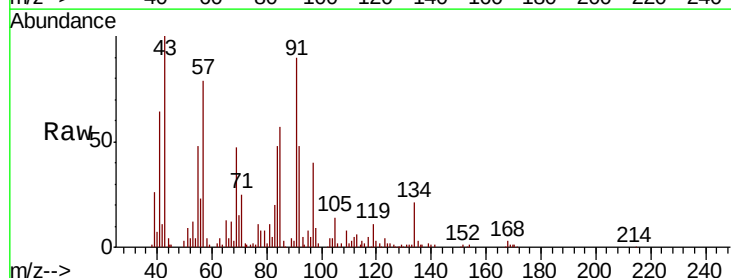
Manual Integrations
 APPROVED

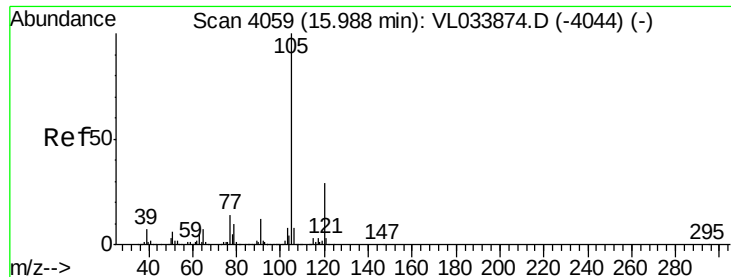
MMDadoda
 7/1/2019 5:01:25 PM



#70
 n-Butylbenzene
 Concen: 0.317 ppbv
 RT: 18.69 min Scan# 4900
 Delta R.T. -0.01 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

Tgt Ion: 91 Resp: 139611
 Ion Ratio Lower Upper
 91 100
 92 49.0 42.5 63.7
 134 30.4 17.8 26.6#





#72

4-Ethyltoluene

Concen: 0.989 ppbv

RT: 15.98 min Scan# 4058

Delta R.T. -0.00 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Instrument :

MSVOA_L

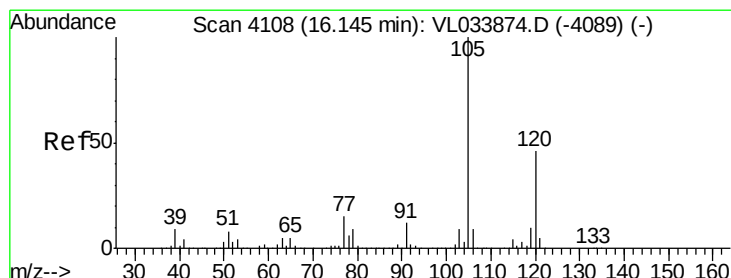
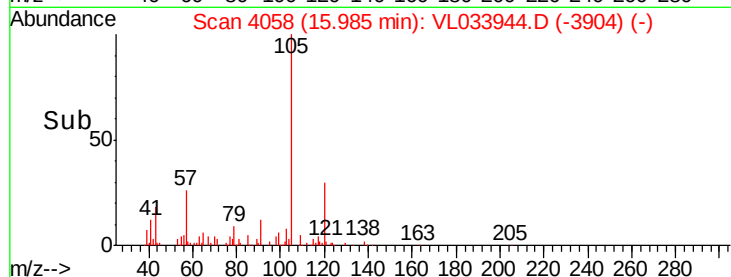
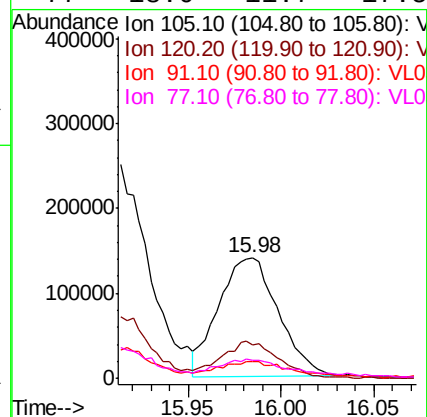
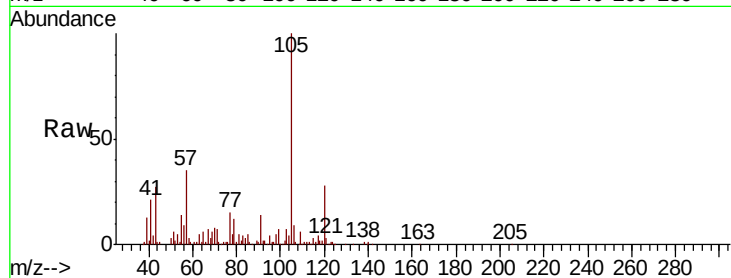
ClientSampleId :

TZC-SSDS-AREA-A-1

Tot Ion	Ratio	Resp	Lower	Upper
105	100	310857		
120	30.6	23.5	35.3	
91	0.0	10.4	15.6	
77	18.0	11.7	17.5	

Manual Integrations
APPROVED

MMDadoda
7/1/2019 5:01:25 PM



#73

1,3,5-Trimethylbenzene

Concen: 0.305 ppbv

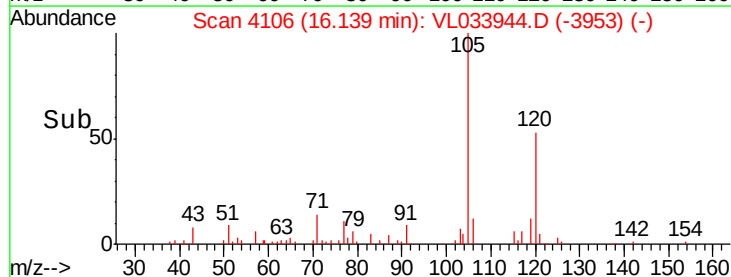
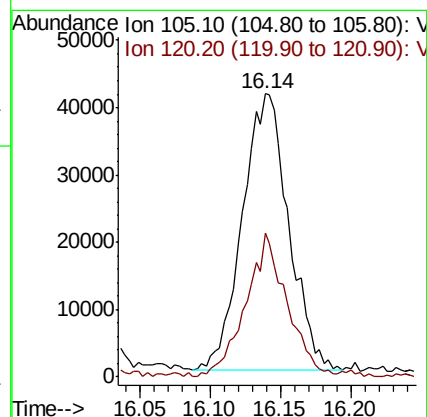
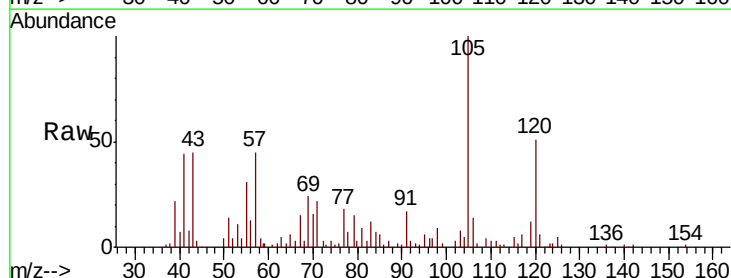
RT: 16.14 min Scan# 4106

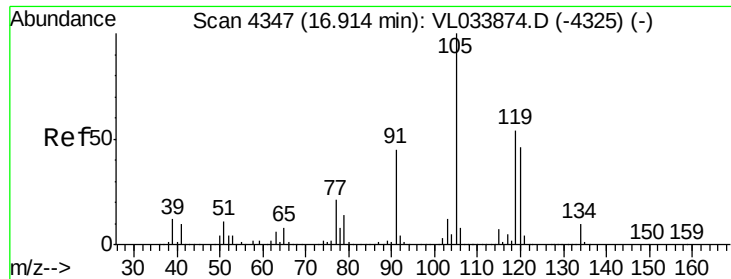
Delta R.T. -0.01 min

Lab File: VL033944.D

Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	94353		
120	51.9	37.1	55.7	





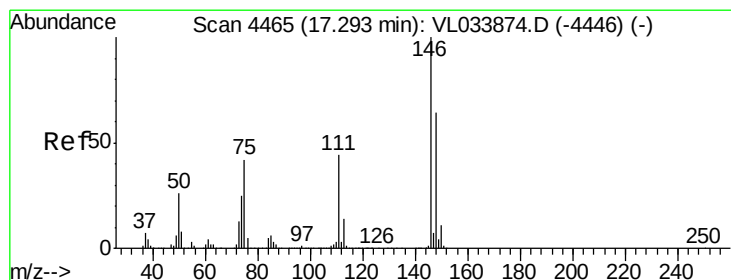
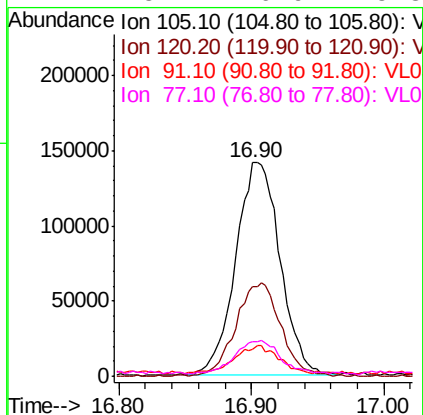
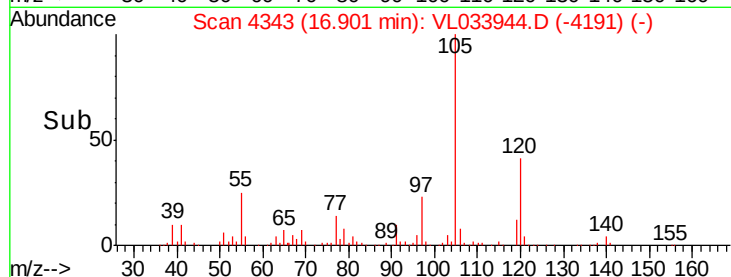
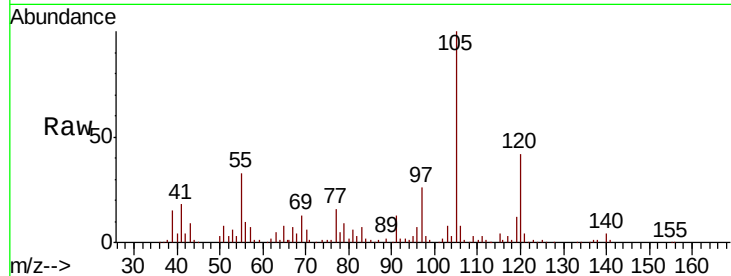
#74
 1,2,4-Trimethylbenzene
 Concen: 0.921 ppbv
 RT: 16.90 min Scan# 4343
 Delta R.T. -0.01 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.8	36.7	55.1
91	11.5	35.8	53.8#
77	15.1	16.9	25.3#

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 5:01:25 PM



#76
 1,4-Dichlorobenzene
 Concen: 0.112 ppbv m
 RT: 17.29 min Scan# 4463
 Delta R.T. -0.01 min
 Lab File: VL033944.D
 Acq: 24 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.1	66.5#
148	61.9	32.4	97.0

