

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070218\
 Data File : VL032193.D
 Acq On : 2 Jul 2018 22:27
 Operator : SY/AP
 Sample : J3753-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

Manual Integrations
 APPROVED

MMDadoda
 7/3/2018 5:17:20 PM

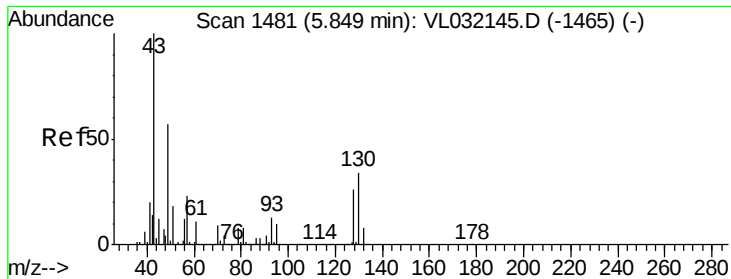
Quant Time: Jul 03 15:24:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1388503	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.39	114	3510022	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.34	117	3278731	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	2423402	9.67	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	42346	0.23	ppbv	96
3) Chlorodifluoromethane	3.07	51	60673m	0.36	ppbv	
4) Chloromethane	3.23	50	35866	0.40	ppbv	99
7) Chloroethane	3.66	64	48401	1.50	ppbv	92
9) Propene	3.09	41	185287	2.34	ppbv	96
10) Heptane	8.34	43	281631	1.22	ppbv	95
11) Trichlorofluoromethane	4.08	101	73750m	0.37	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.63	101	857030	6.51	ppbv	92
13) Ethanol	3.74	45	10262971	428.15	ppbv	98
15) Acetone	3.97	43	7411644	45.65	ppbv	100
17) tert-Butyl alcohol	4.47	59	1171126	11.33	ppbv	98
18) 1,1-Dichloroethene	4.43	96	181800	2.88	ppbv	94
19) Isopropyl Alcohol	4.13	45	7378276m	54.70	ppbv	
20) Methylene Chloride	4.49	84	100521	1.69	ppbv	93
22) trans-1,2-Dichloroethene	5.04	96	57289	0.87	ppbv	93
24) 1,1-Dichloroethane	5.17	63	2979800	15.80	ppbv	99
26) Hexane	5.86	57	284558	1.84	ppbv #	76
30) Cyclohexane	7.34	84	96593	0.66	ppbv	93
31) cis-1,2-Dichloroethene	5.73	61	28148	0.18	ppbv	89
32) 1,1,1-Trichloroethane	6.71	97	15915636	67.43	ppbv	93
34) 2-Butanone	5.41	43	1510456	6.78	ppbv	99
36) Benzene	7.10	78	192327	0.57	ppbv	99
41) Tetrahydrofuran	6.24	42	105746m	0.79	ppbv	
44) 2,2,4-Trimethylpentane	8.09	57	1727533	2.91	ppbv	94
50) 4-Methyl-2-Pentanone	8.98	43	229455	0.63	ppbv	98
53) Toluene	10.05	91	2024993	4.93	ppbv	99
58) Ethyl Benzene	12.96	91	591172	1.12	ppbv	94
59) m/p-Xylene	13.22	91	1752899	4.14	ppbv	97
60) o-Xylene	13.95	91	710483	1.68	ppbv	97
61) Styrene	13.78	104	45958	0.13	ppbv #	86
69) p-Isopropyltoluene	17.92	119	1434038	2.14	ppbv	96
72) 4-Ethyltoluene	16.10	105	218981	0.40	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.26	105	188609	0.37	ppbv	98
74) 1,2,4-Trimethylbenzene	17.03	105	794936	1.53	ppbv #	73
79) Naphthalene	22.54	128	70278m	0.15	ppbv	

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.85 min Scan# 1482

Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion: 49 Resp: 1388503

Ion Ratio Lower Upper

49 100

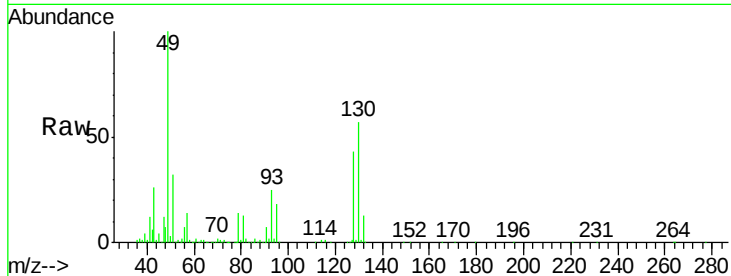
128 44.0 23.4 70.0

130 56.1 30.3 90.9

Manual Integrations
APPROVED

MMDadoda

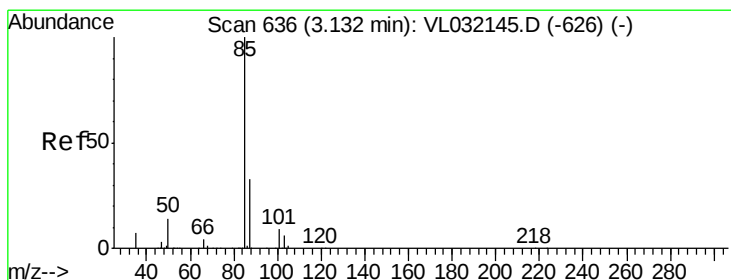
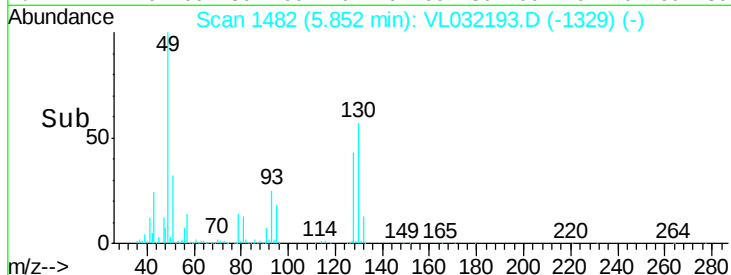
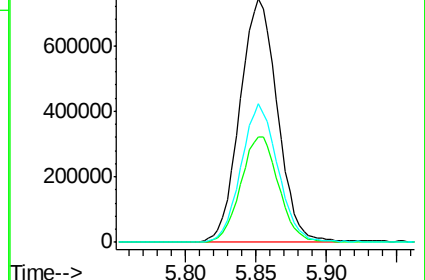
7/3/2018 5:17:20 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.23 ppbv

RT: 3.13 min Scan# 636

Delta R.T. -0.01 min

Lab File: VL032193.D

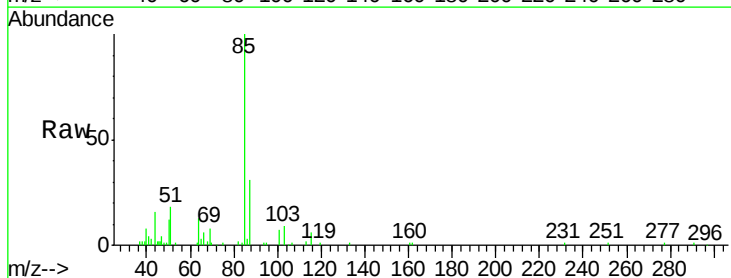
Acq: 2 Jul 2018 22:27

Tgt Ion: 85 Resp: 42346

Ion Ratio Lower Upper

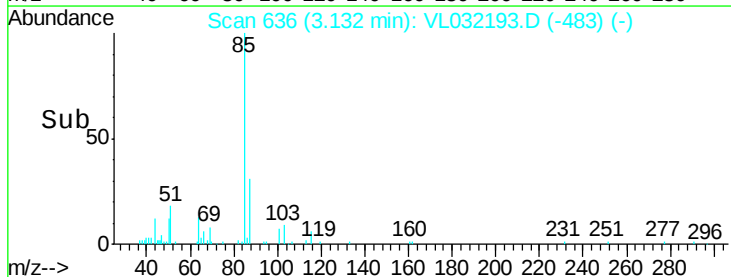
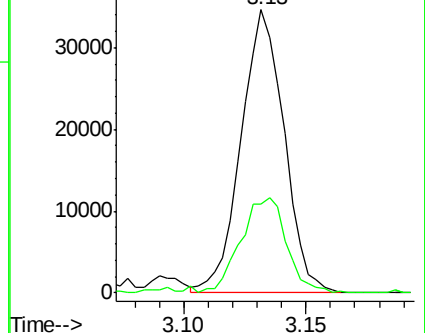
85 100

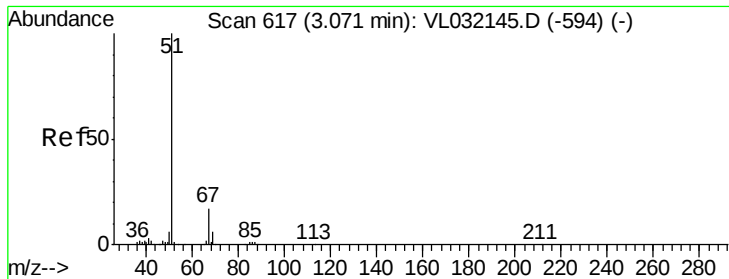
87 30.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.36 ppbv m

RT: 3.07 min Scan# 616

Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion: 51 Resp: 60673

Ion Ratio Lower Upper

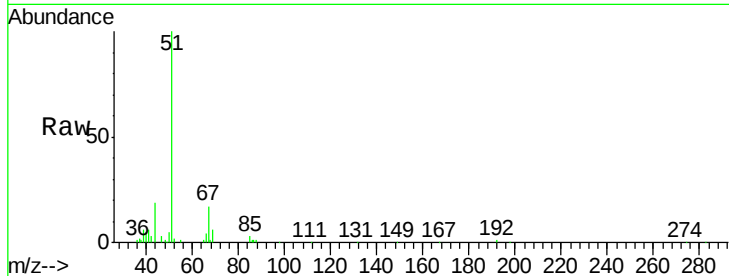
51 100

67 21.4 13.2 19.8#

Manual Integrations
APPROVED

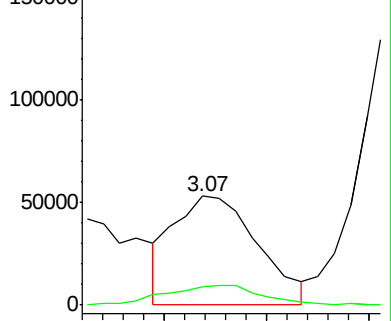
MMDadoda

7/3/2018 5:17:20 PM

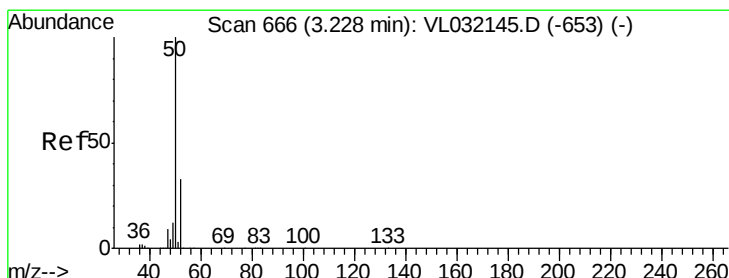
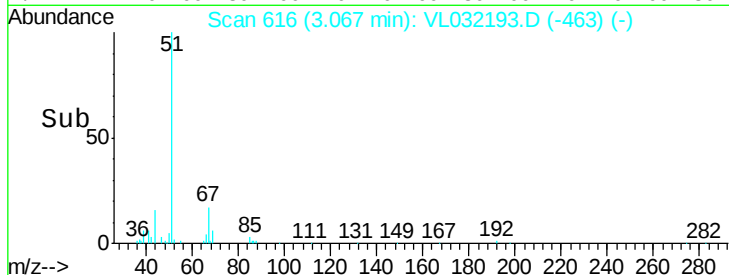


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.23 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL032193.D

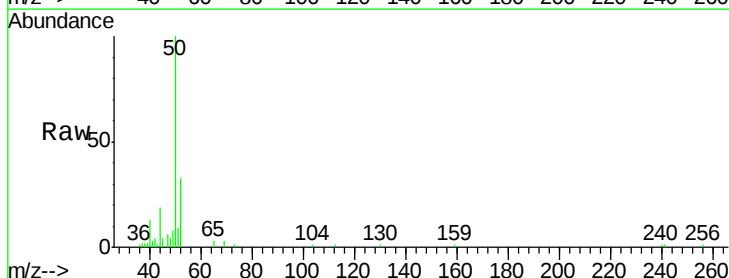
Acq: 2 Jul 2018 22:27

Tgt Ion: 50 Resp: 35866

Ion Ratio Lower Upper

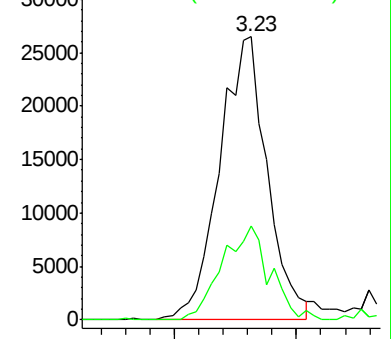
50 100

52 33.3 26.0 39.0

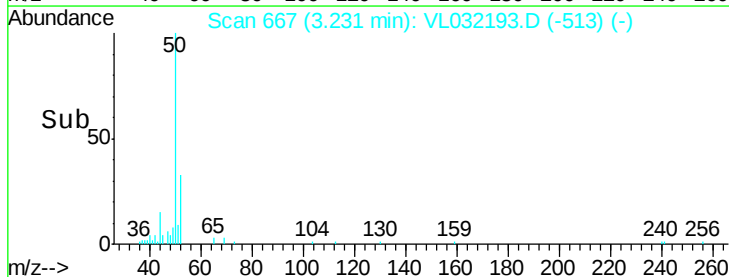


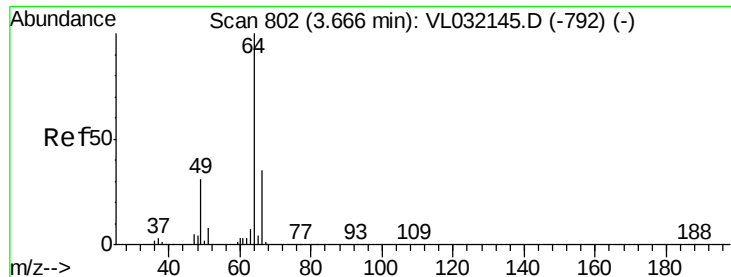
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#7

Chloroethane

Concen: 1.50 ppbv

RT: 3.66 min Scan# 801

Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion: 64 Resp: 48401

Ion Ratio Lower Upper

64 100

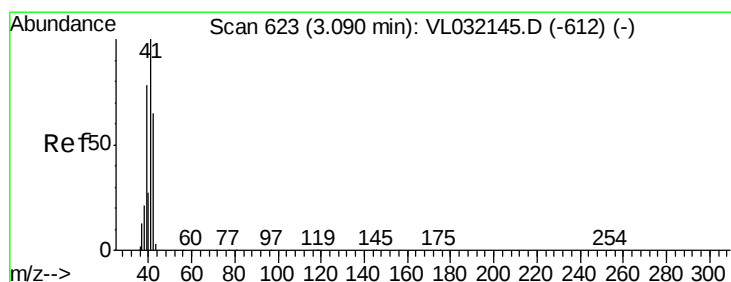
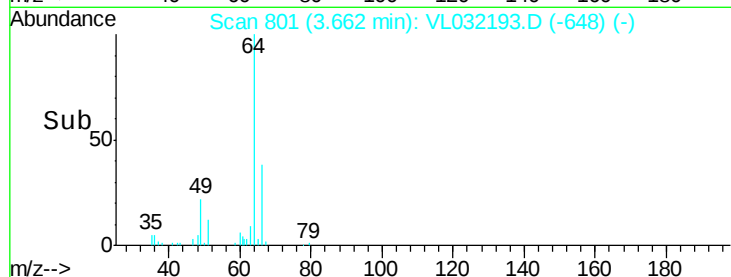
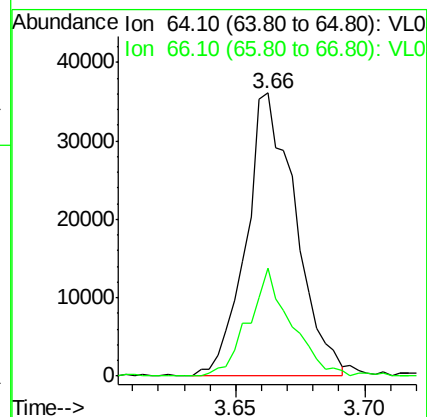
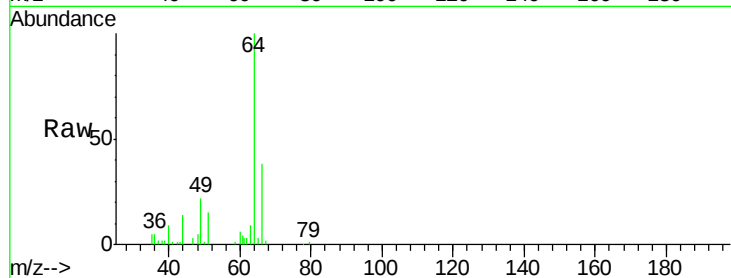
66 38.3 26.9 40.3

Manual Integrations

APPROVED

MMDadoda

7/3/2018 5:17:20 PM



#9

Propene

Concen: 2.34 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032193.D

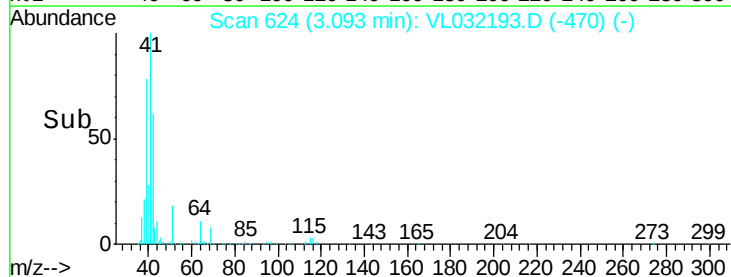
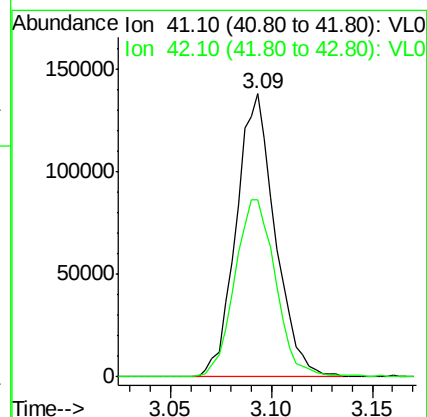
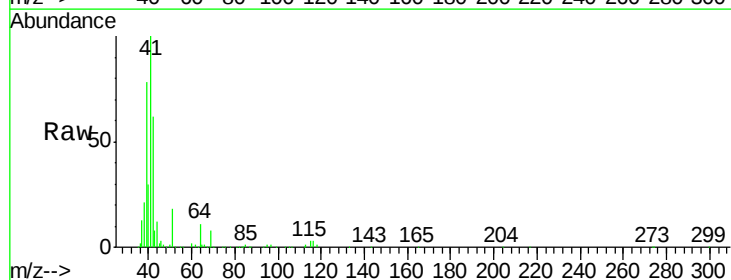
Acq: 2 Jul 2018 22:27

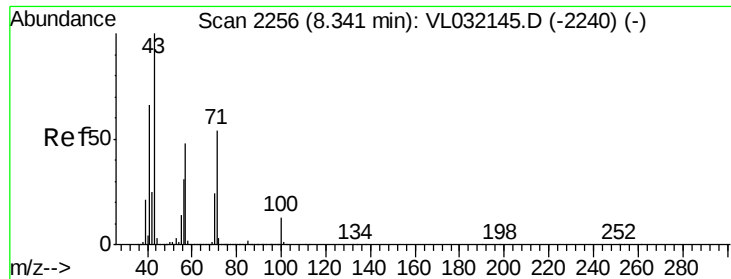
Tgt Ion: 41 Resp: 185287

Ion Ratio Lower Upper

41 100

42 66.7 56.2 84.4





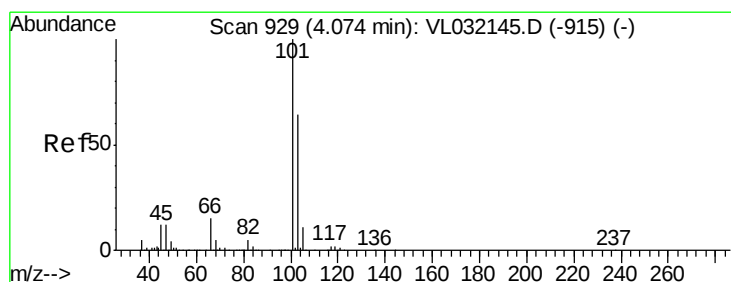
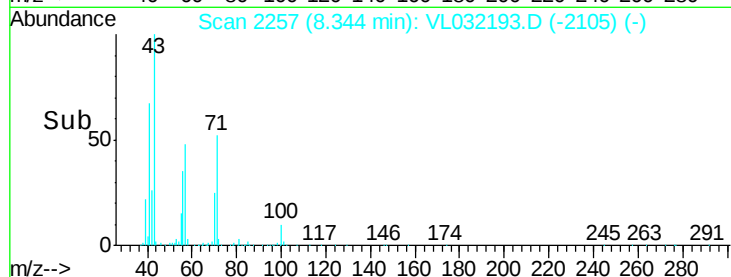
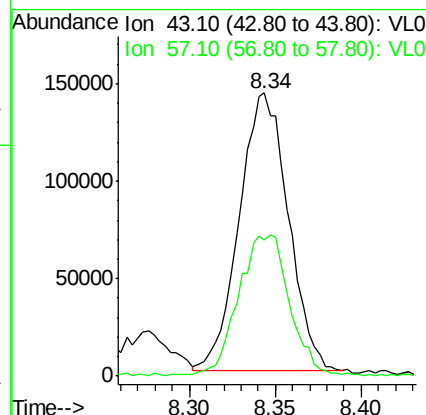
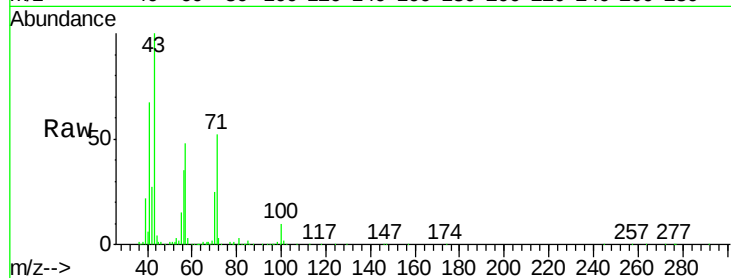
#10
Heptane
Concen: 1.22 ppbv
RT: 8.34 min Scan# 2257
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion: 43 Resp: 281631
Ion Ratio Lower Upper
43 100
57 53.0 39.8 59.8

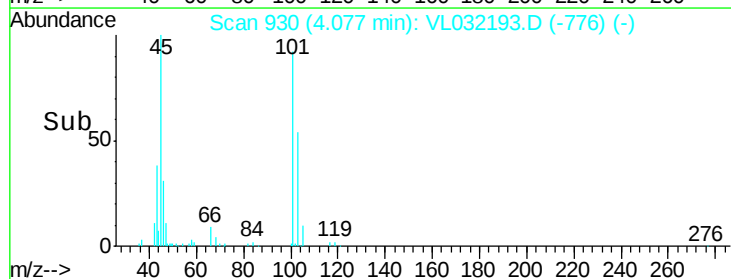
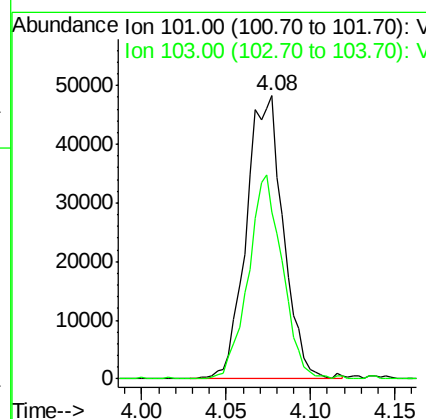
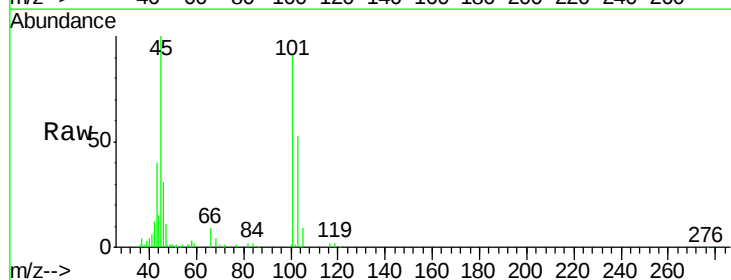
Manual Integrations
APPROVED

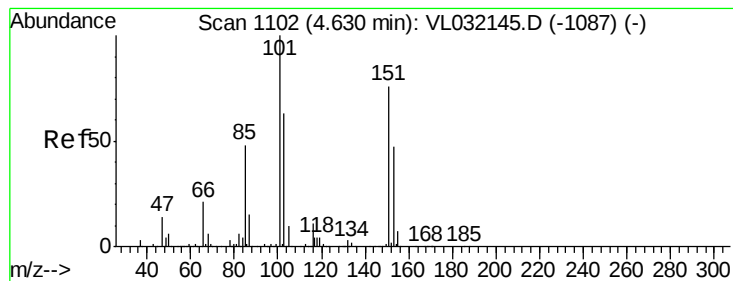
MMDadoda
7/3/2018 5:17:20 PM



#11
Trichlorofluoromethane
Concen: 0.37 ppbv m
RT: 4.08 min Scan# 930
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion: 101 Resp: 73750
Ion Ratio Lower Upper
101 100
103 58.8 51.4 77.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 6.51 ppbv

RT: 4.63 min Scan# 1101

Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion:101 Resp: 857030

Ion Ratio Lower Upper

101 100

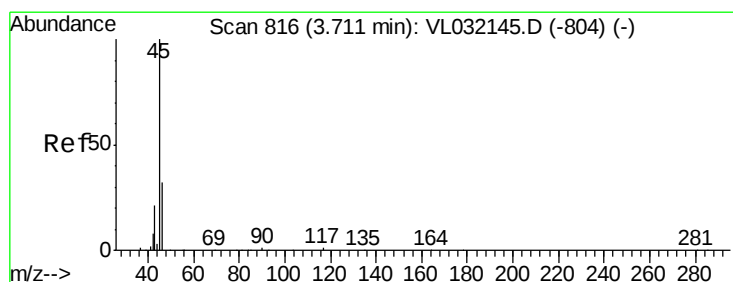
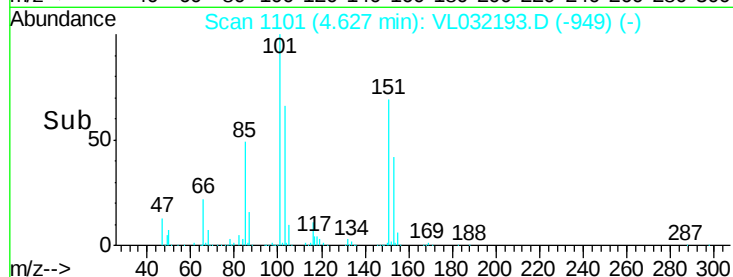
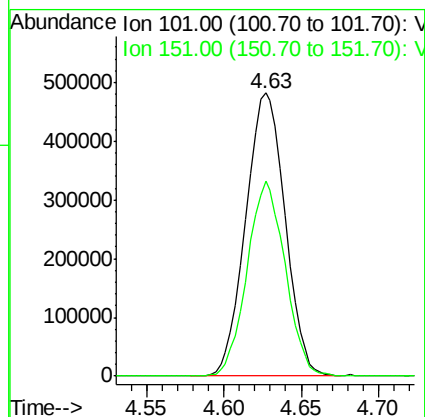
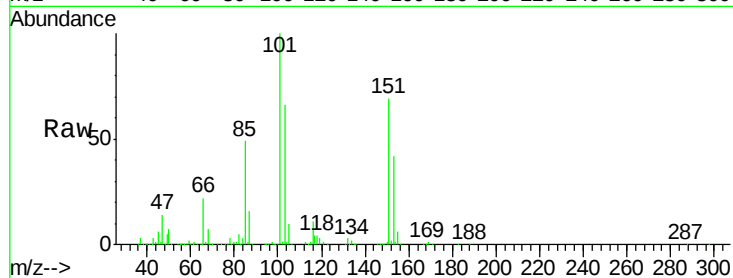
151 66.5 58.8 88.2

Manual Integrations

APPROVED

MMDadoda

7/3/2018 5:17:20 PM



#13

Ethanol

Concen: 428.15 ppbv

RT: 3.74 min Scan# 826

Delta R.T. 0.02 min

Lab File: VL032193.D

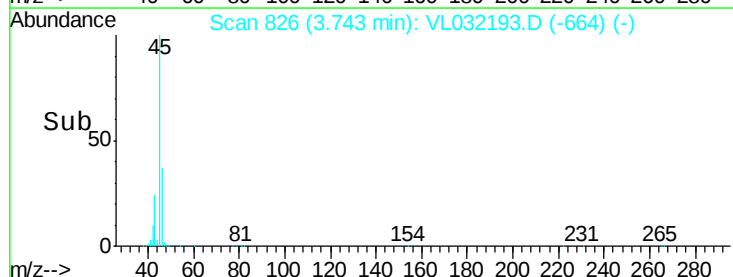
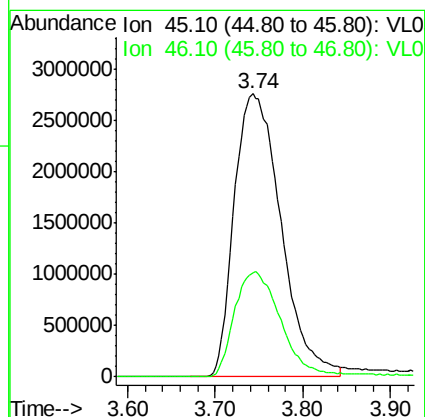
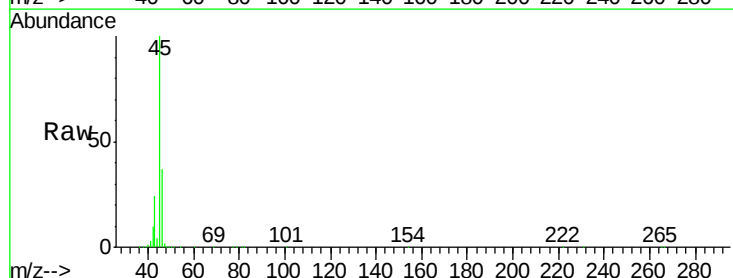
Acq: 2 Jul 2018 22:27

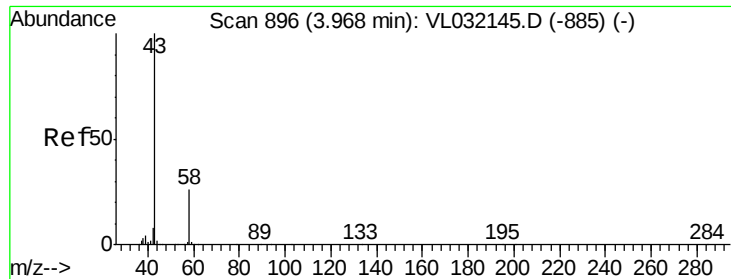
Tgt Ion: 45 Resp:10262971

Ion Ratio Lower Upper

45 100

46 37.9 14.6 58.4





#15

Acetone

Concen: 45.65 ppbv

RT: 3.97 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion: 43 Resp: 7411644

Ion Ratio Lower Upper

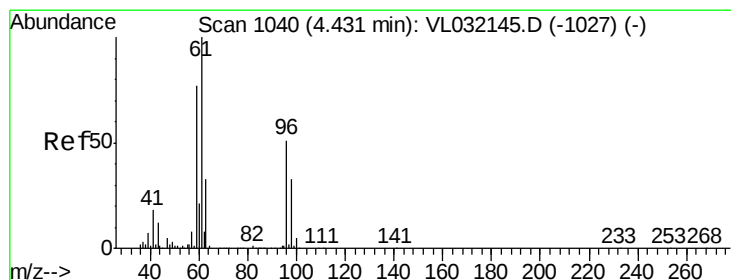
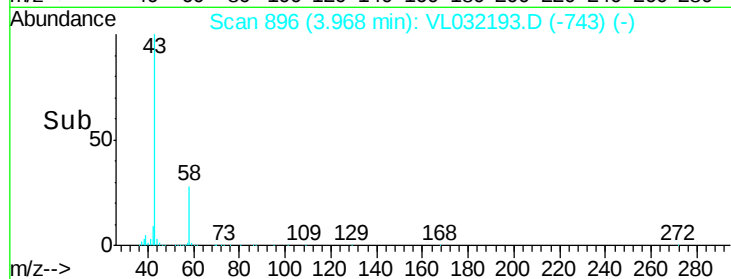
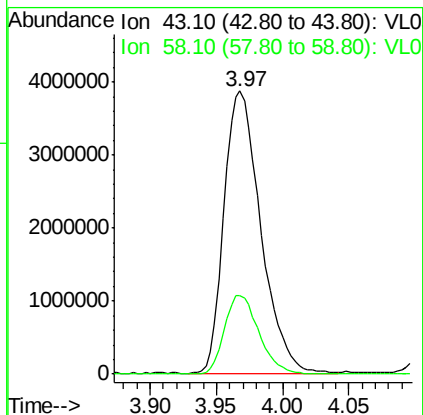
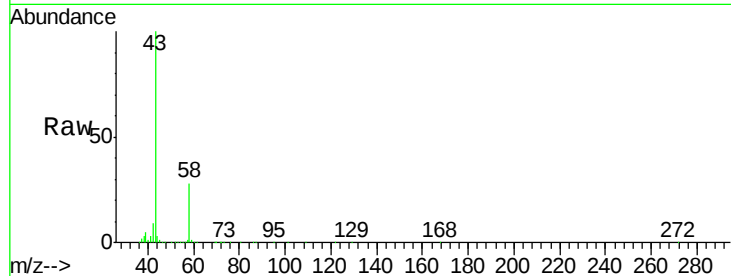
43 100

58 26.6 21.4 32.0

Manual Integrations
APPROVED

MMDadoda

7/3/2018 5:17:20 PM



#17

tert-Butyl alcohol

Concen: 11.33 ppbv

RT: 4.47 min Scan# 1052

Delta R.T. 0.03 min

Lab File: VL032193.D

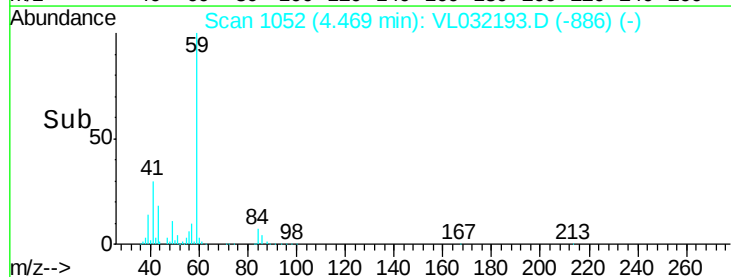
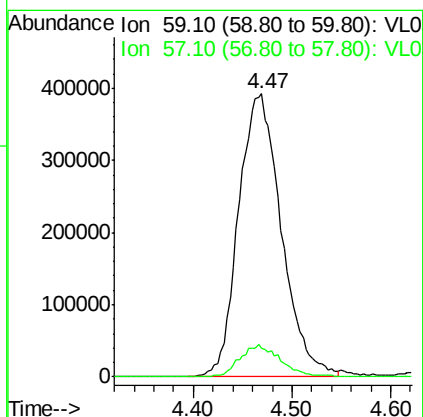
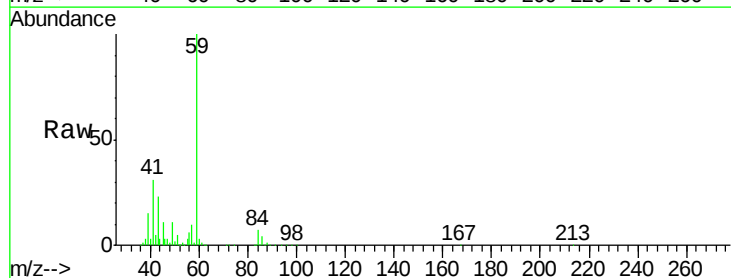
Acq: 2 Jul 2018 22:27

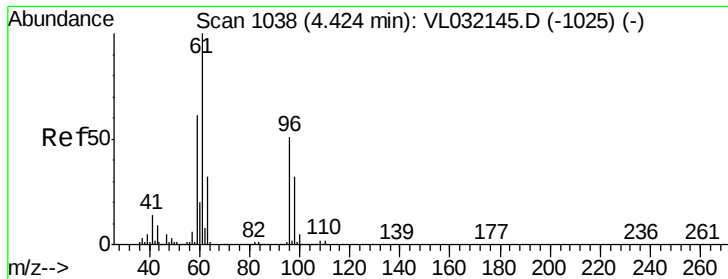
Tgt Ion: 59 Resp: 1171126

Ion Ratio Lower Upper

59 100

57 10.9 8.2 12.2





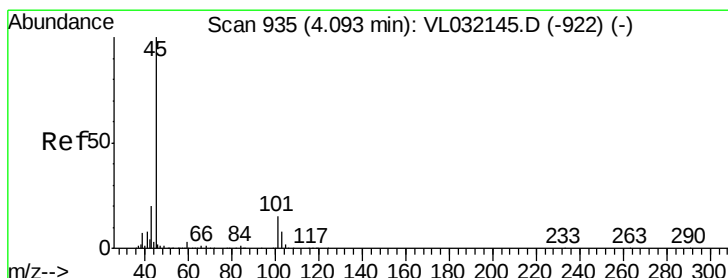
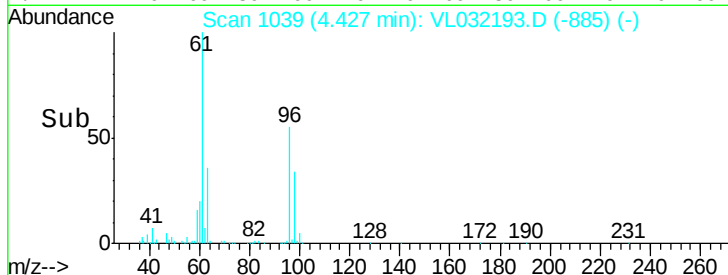
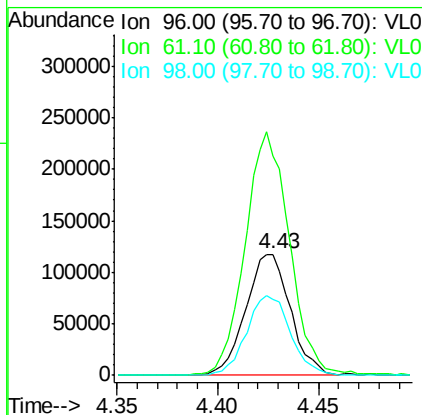
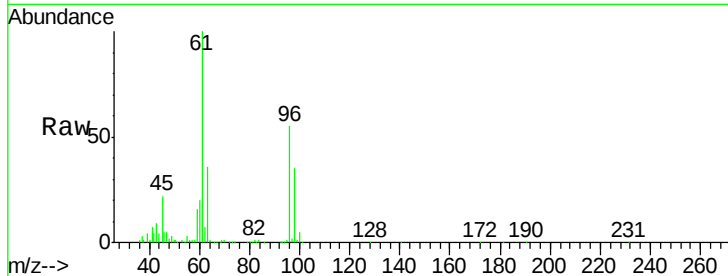
#18
 1,1-Dichloroethene
 Concen: 2.88 ppbv
 RT: 4.43 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VL032193.D
 Acq: 2 Jul 2018 22:27

Instrument :
 MSVOA_L
 ClientSampleId :
 EFFLUENT

Tot Ion	Ratio	Lower	Upper
96	100		
61	180.8	154.1	231.1
98	62.6	50.3	75.5

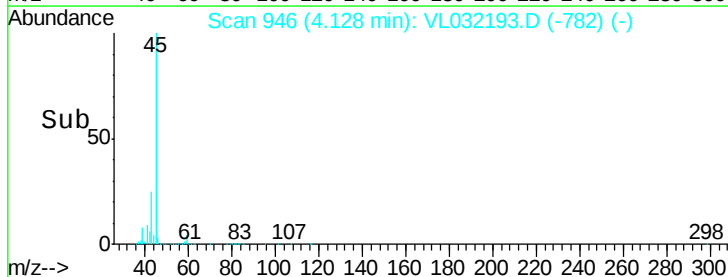
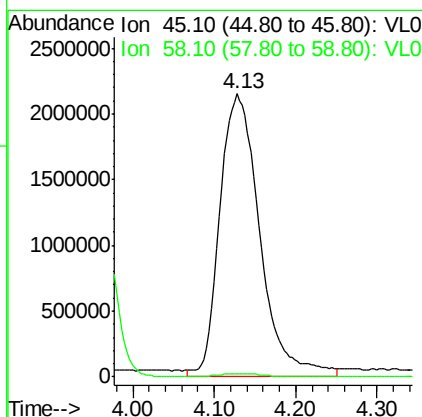
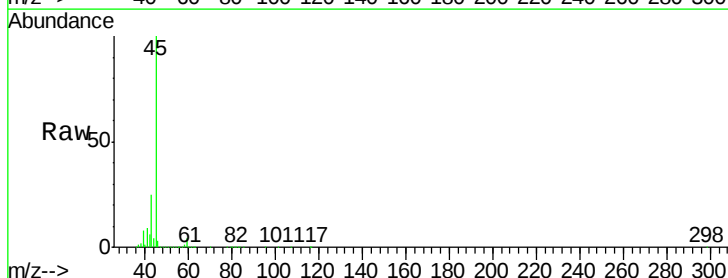
Manual Integrations
 APPROVED

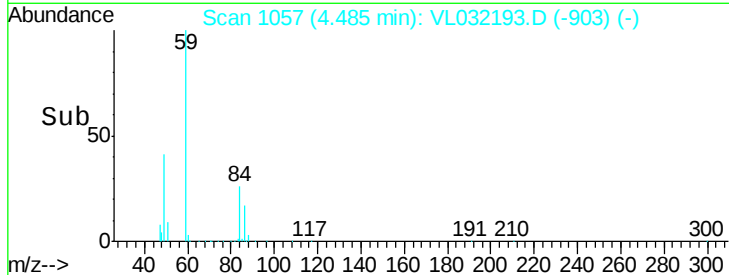
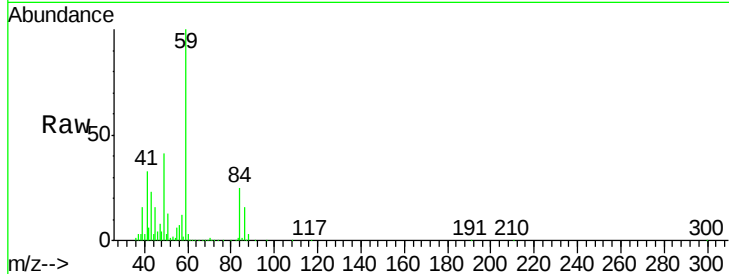
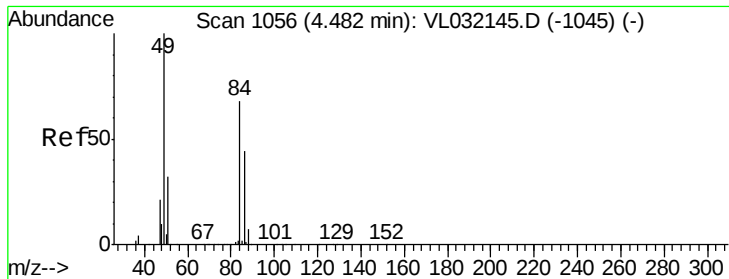
MMDadoda
 7/3/2018 5:17:20 PM



#19
 Isopropyl Alcohol
 Concen: 54.70 ppbv m
 RT: 4.13 min Scan# 946
 Delta R.T. 0.03 min
 Lab File: VL032193.D
 Acq: 2 Jul 2018 22:27

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	29.4	44.0#





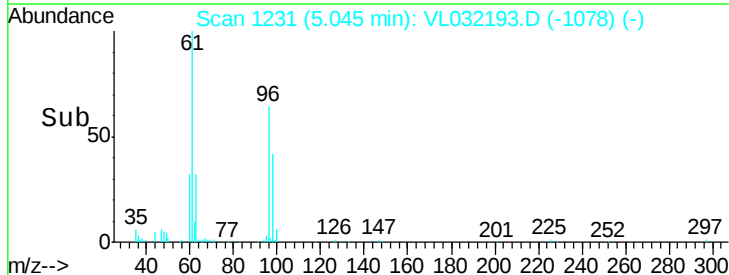
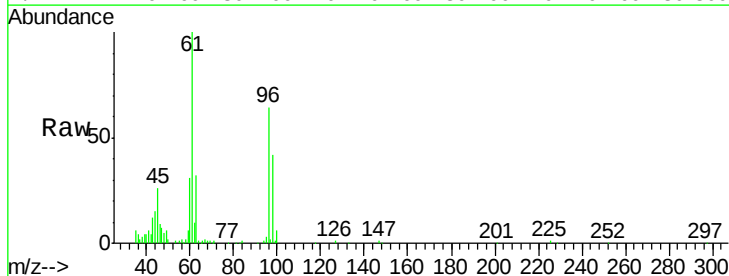
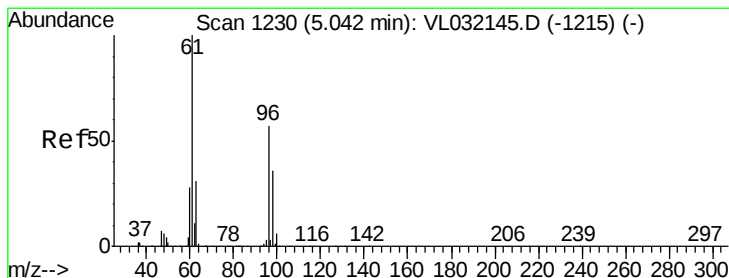
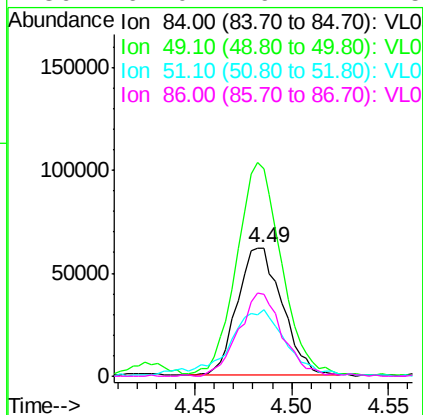
#20
Methvlene Chloride
Concen: 1.69 ppbv
RT: 4.49 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tot Ion	84	Resp	100521
Ion	Ratio	Lower	Upper
84	100		
49	160.5	119.6	179.4
51	50.0	36.3	54.5
86	64.0	49.7	74.5

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

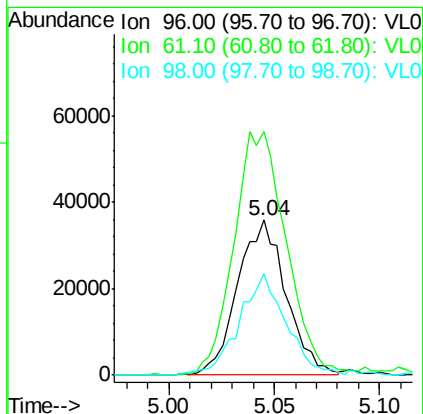
Manual Integrations
APPROVED

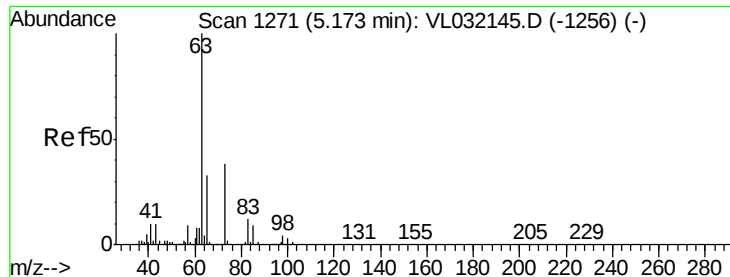
MMDadoda
7/3/2018 5:17:20 PM



#22
trans-1,2-Dichloroethene
Concen: 0.87 ppbv
RT: 5.04 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion	96	Resp	57289
Ion	Ratio	Lower	Upper
96	100		
61	156.6	135.2	202.8
98	63.8	49.7	74.5





#24

1,1-Dichloroethane

Concen: 15.80 ppbv

RT: 5.17 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

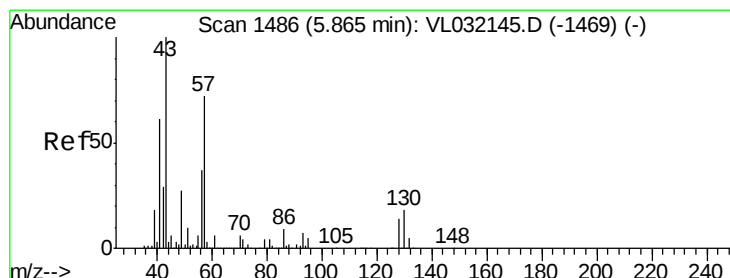
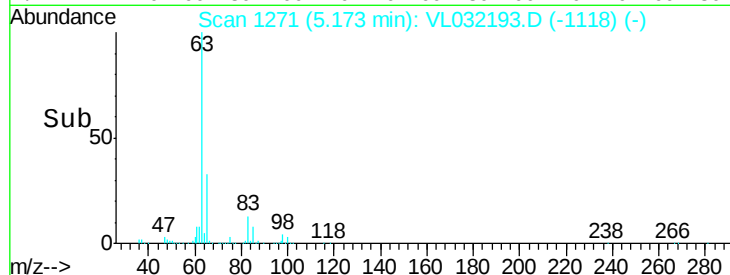
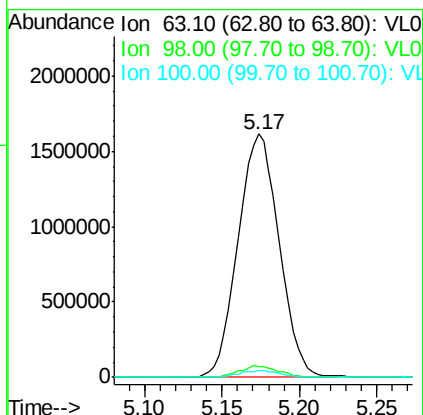
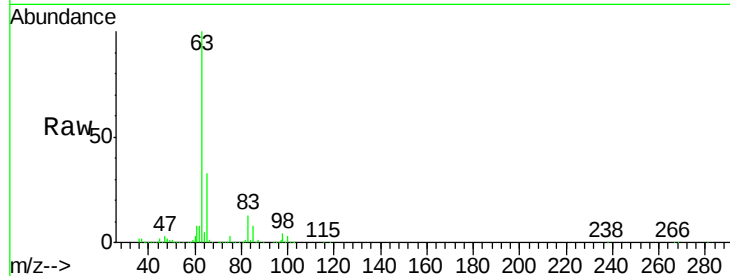
ClientSampleId :

EFFLUENT

Tot Ion:	63	Resp:	2979800
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.2
100	2.9	1.7	5.0

Manual Integrations
APPROVED

MMDadoda
7/3/2018 5:17:20 PM



#26

Hexane

Concen: 1.84 ppbv

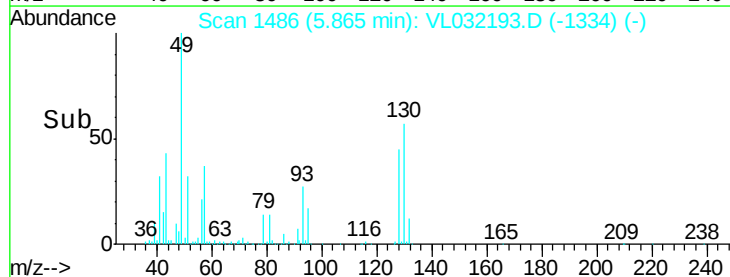
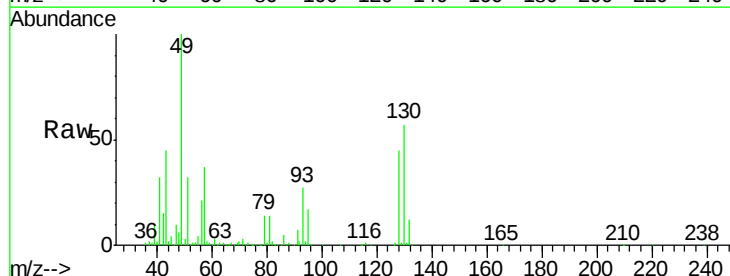
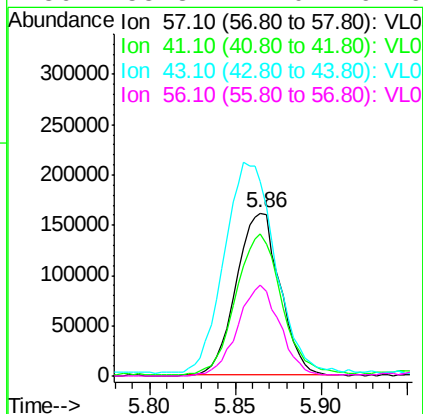
RT: 5.86 min Scan# 1486

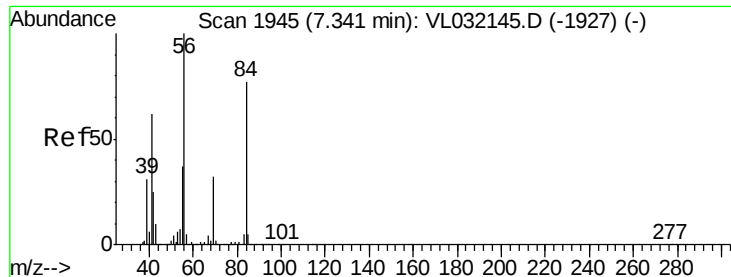
Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Tgt Ion:	57	Resp:	284558
Ion	Ratio	Lower	Upper
57	100		
41	90.6	68.6	103.0
43	155.4	168.6	252.8
56	55.3	41.0	61.6





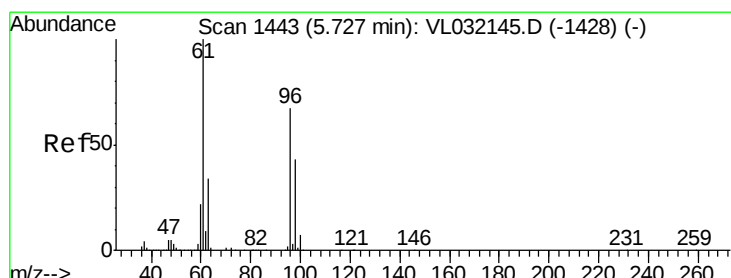
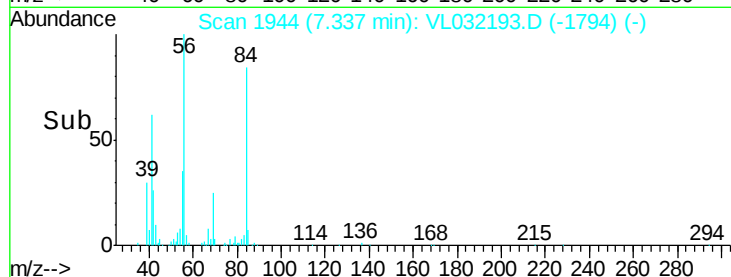
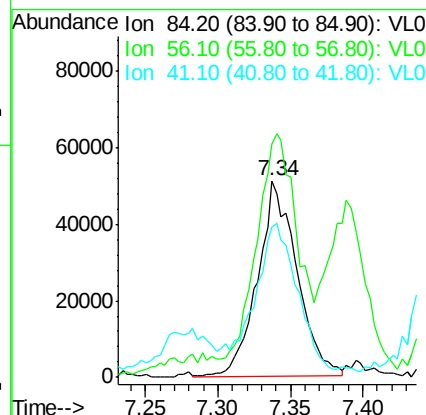
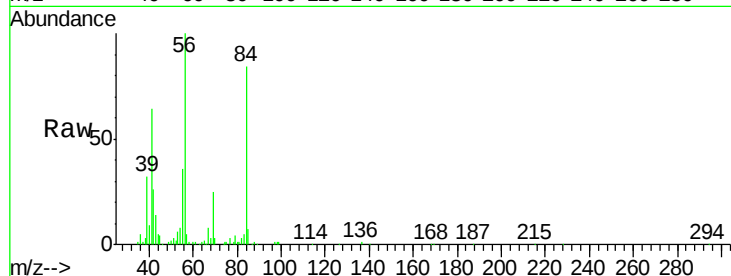
#30
Cvclohexane
Concen: 0.66 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.02 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion	Ratio	Lower	Upper
84	100		
56	145.1	109.1	163.7
41	86.1	64.6	96.8

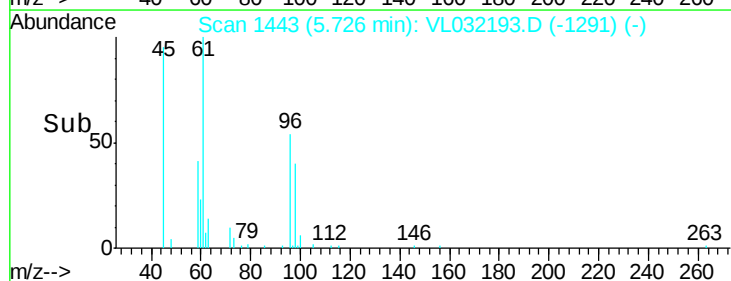
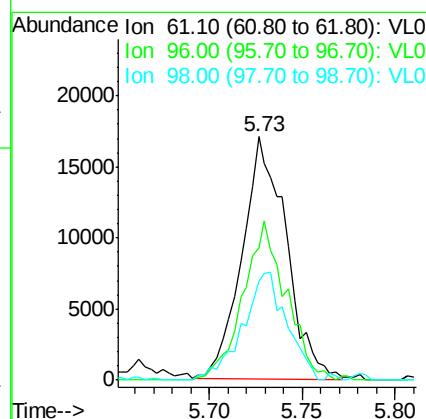
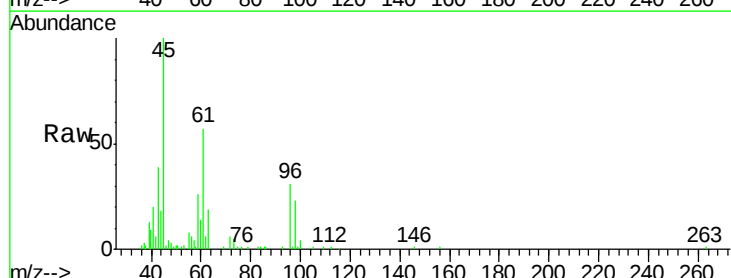
Manual Integrations
APPROVED

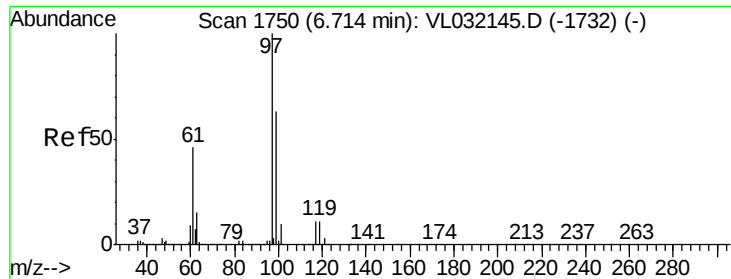
MMDadoda
7/3/2018 5:17:20 PM



#31
cis-1,2-Dichloroethene
Concen: 0.18 ppbv
RT: 5.73 min Scan# 1443
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion	Ratio	Lower	Upper
61	100		
96	55.0	54.2	81.4
98	41.0	34.6	52.0





#32

1,1,1-Trichloroethane

Concen: 67.43 ppbv

RT: 6.71 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion: 97 Resp:15915636

Ion Ratio Lower Upper

97 100

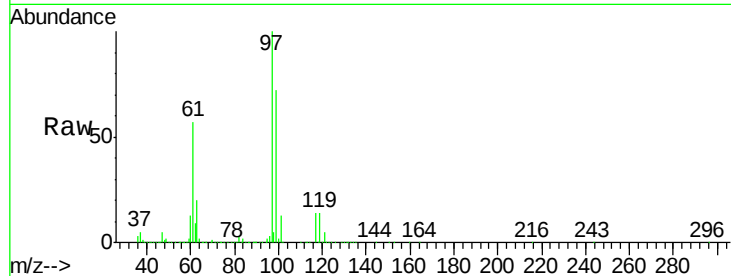
99 68.9 51.3 76.9

61 54.0 38.4 57.6

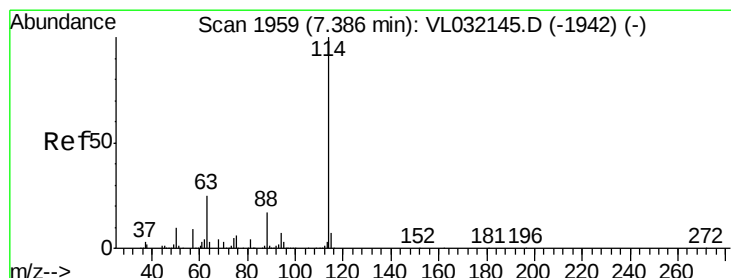
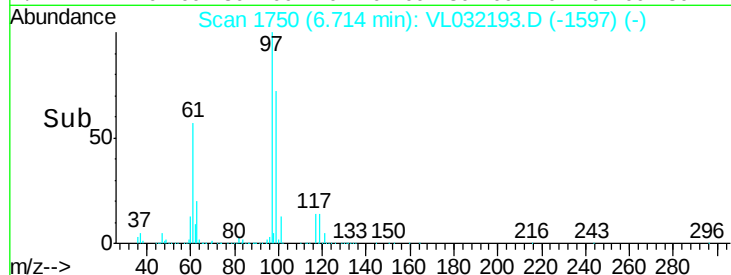
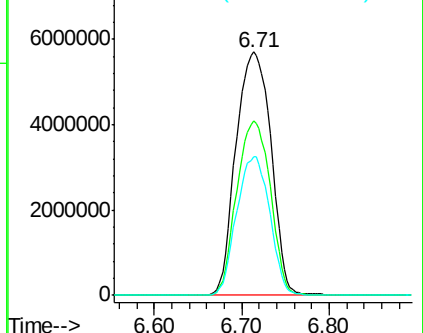
Manual Integrations
APPROVED

MMDadoda

7/3/2018 5:17:20 PM



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.39 min Scan# 1959

Delta R.T. -0.01 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

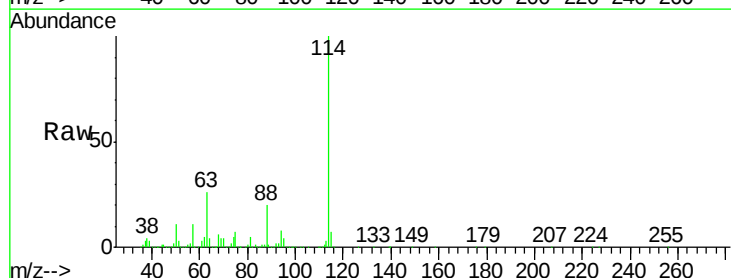
Tgt Ion:114 Resp: 3510022

Ion Ratio Lower Upper

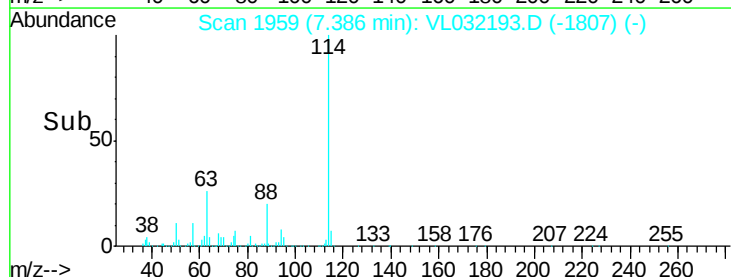
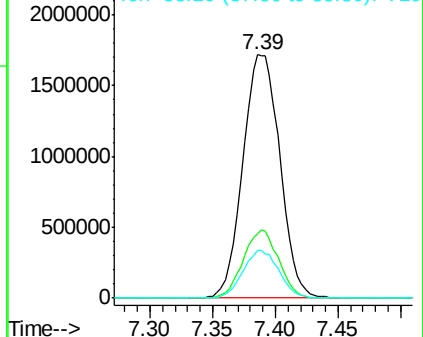
114 100

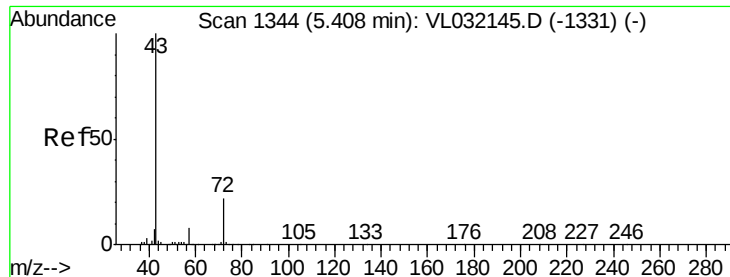
63 26.9 19.1 28.7

88 19.1 13.9 20.9



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





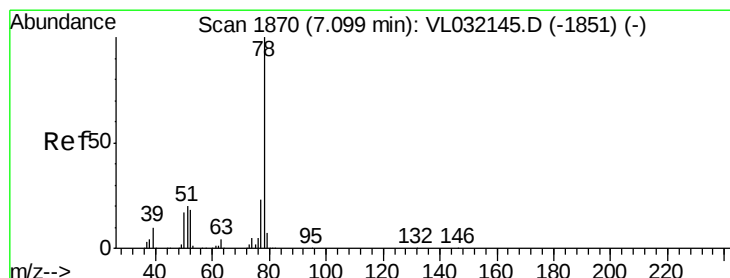
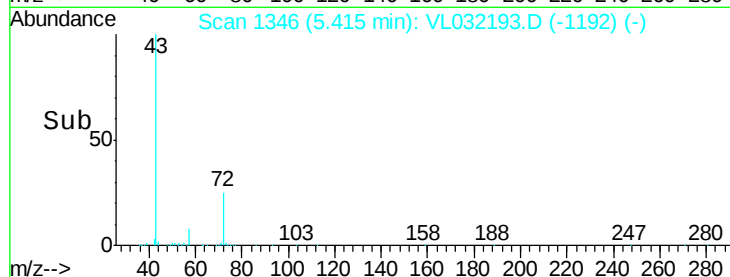
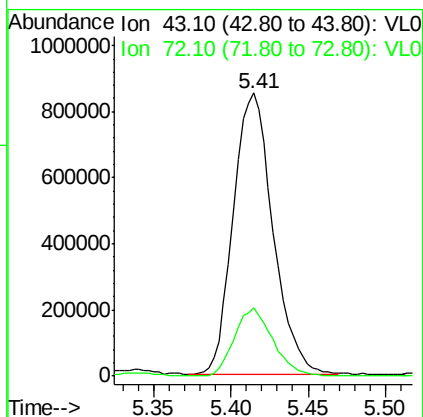
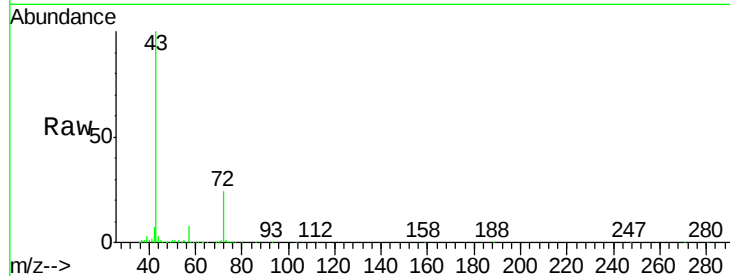
#34
2-Butanone
Concen: 6.78 ppbv
RT: 5.41 min Scan# 1346
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion: 43 Resp: 1510456
Ion Ratio Lower Upper
43 100
72 23.6 18.4 27.6

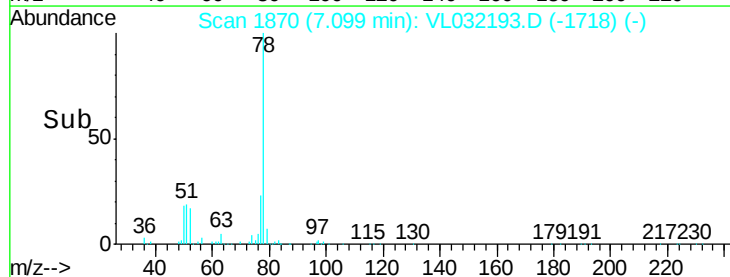
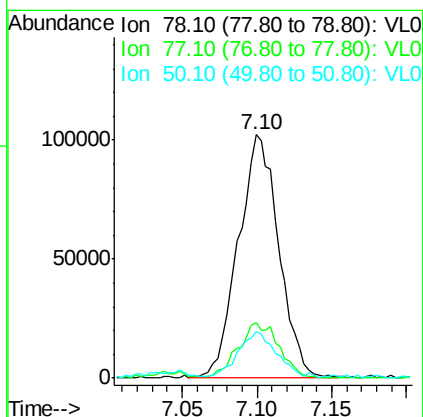
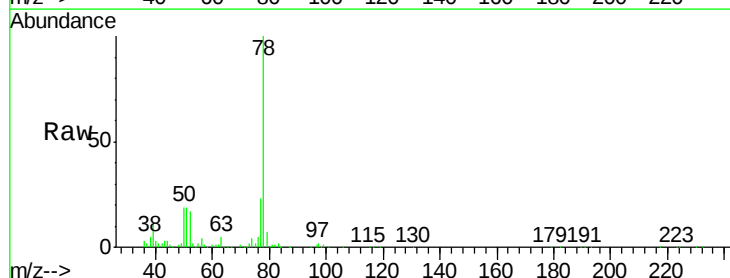
Manual Integrations
APPROVED

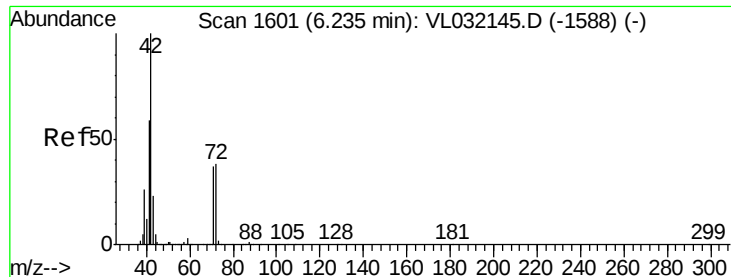
MMDadoda
7/3/2018 5:17:20 PM



#36
Benzene
Concen: 0.57 ppbv
RT: 7.10 min Scan# 1870
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion: 78 Resp: 192327
Ion Ratio Lower Upper
78 100
77 22.4 17.7 26.5
50 18.5 14.0 21.0





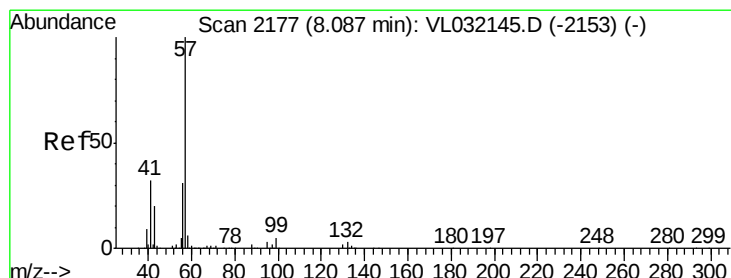
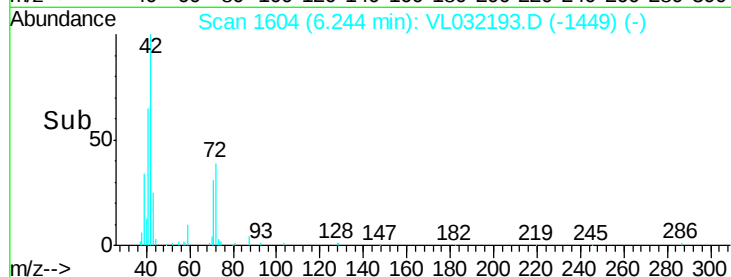
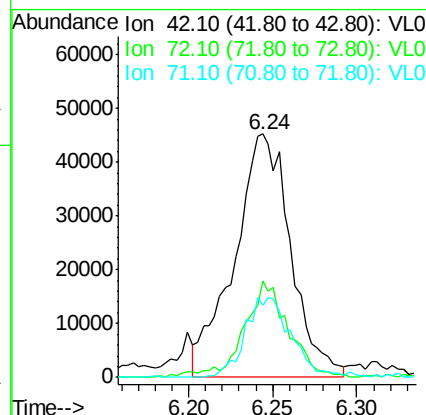
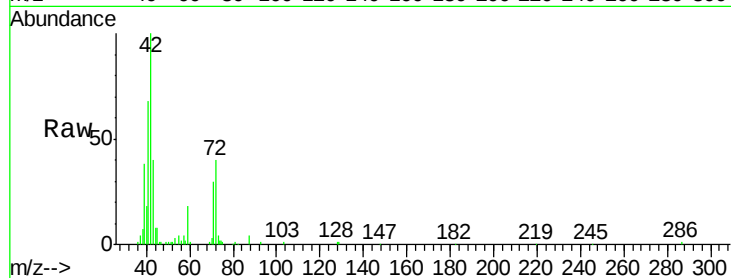
#41
Tetrahydrofuran
Concen: 0.79 ppbv m
RT: 6.24 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.7	31.1	46.7
71	27.2	29.5	44.3#

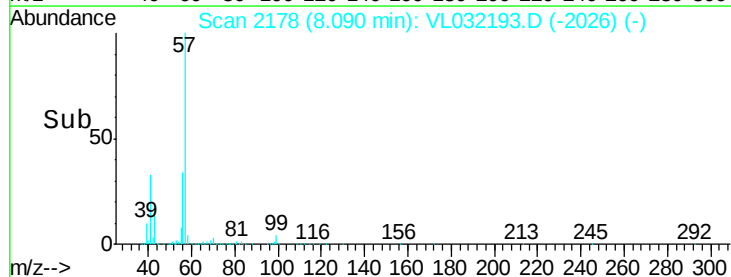
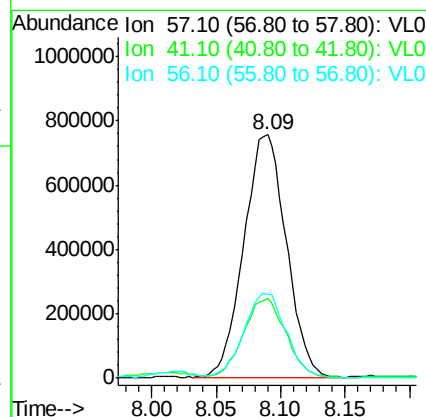
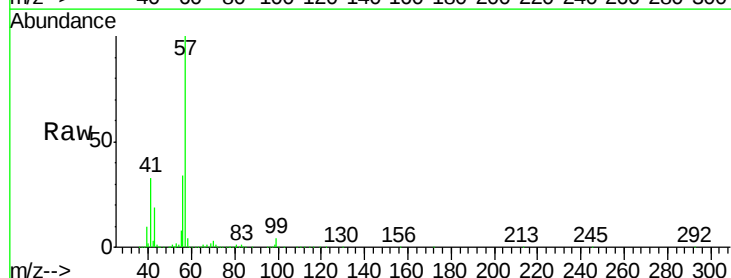
Manual Integrations
APPROVED

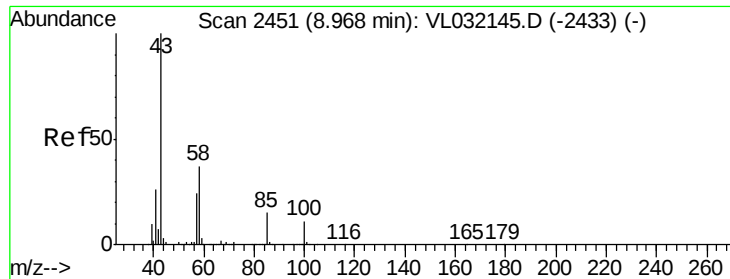
MMDadoda
7/3/2018 5:17:20 PM



#44
2,2,4-Trimethylpentane
Concen: 2.91 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.2	24.3	36.5
56	34.8	25.1	37.7





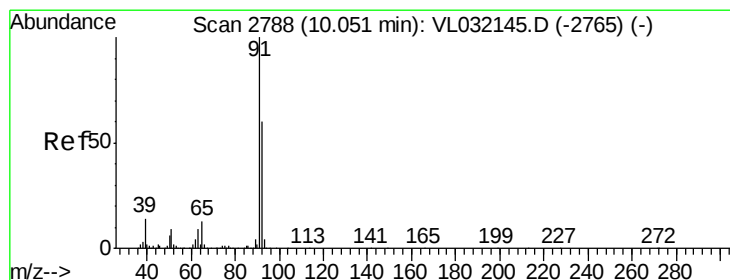
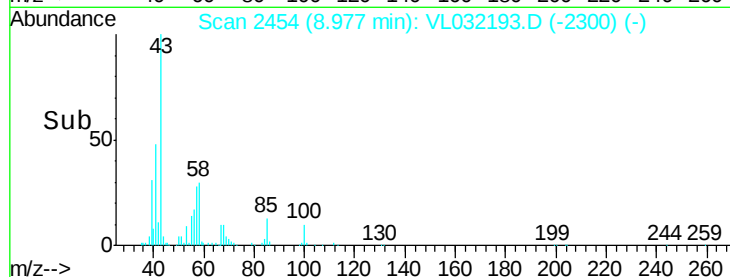
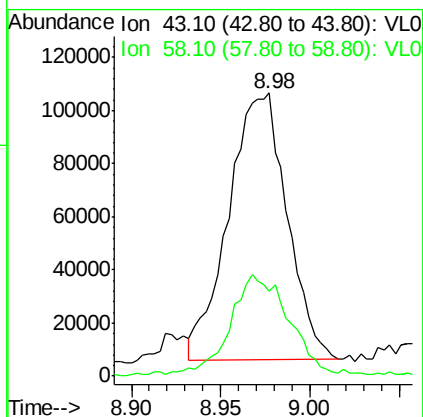
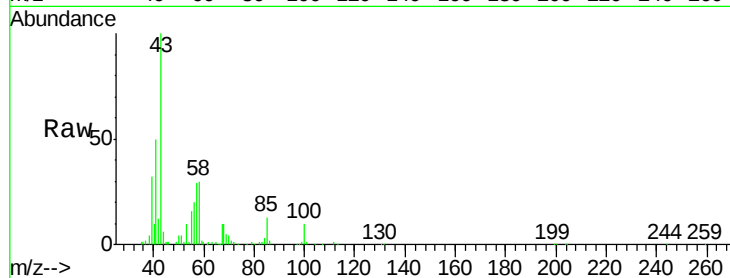
#50
4-Methyl-2-Pentanone
Concen: 0.63 ppbv
RT: 8.98 min Scan# 2454
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion	43	Resp	229455
Ion Ratio	100	Lower	Upper
43	100		
58	38.7	29.8	44.6

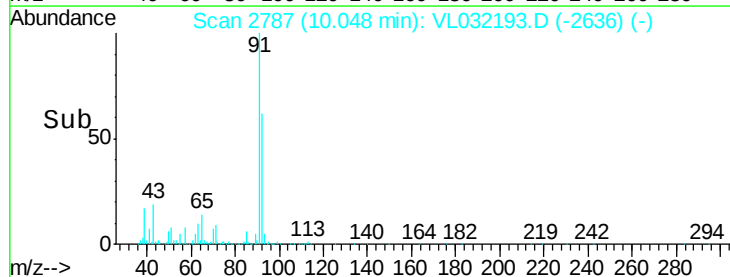
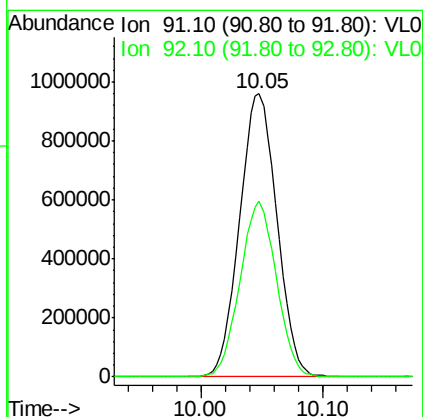
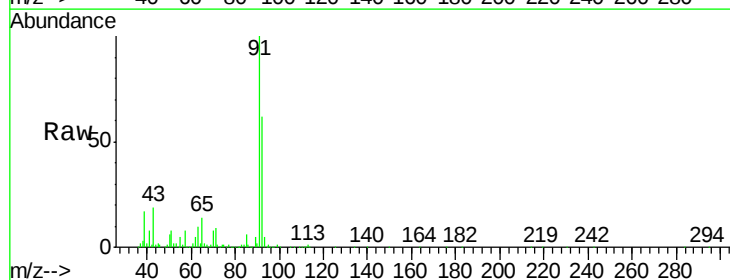
Manual Integrations
APPROVED

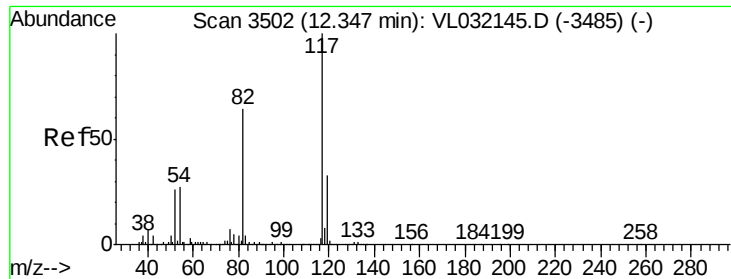
MMDadoda
7/3/2018 5:17:20 PM



#53
Toluene
Concen: 4.93 ppbv
RT: 10.05 min Scan# 2787
Delta R.T. -0.02 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion	91	Resp	2024993
Ion Ratio	100	Lower	Upper
91	100		
92	60.8	49.2	73.8





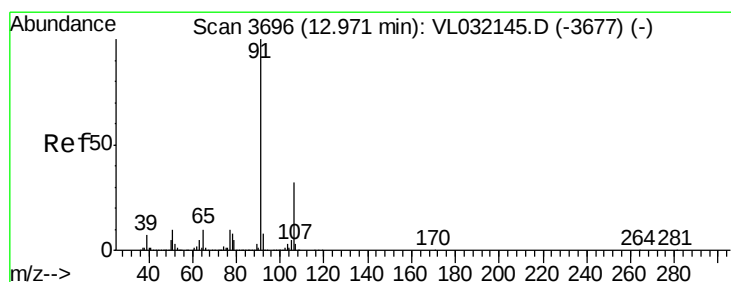
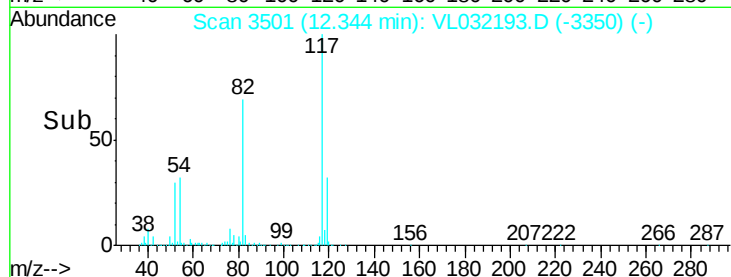
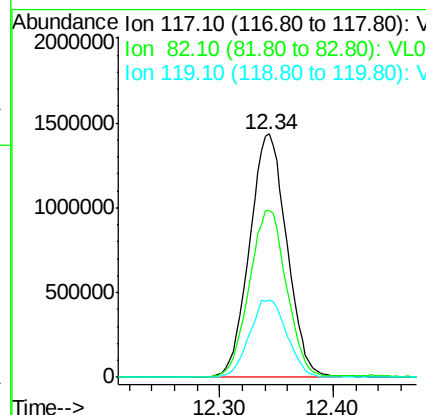
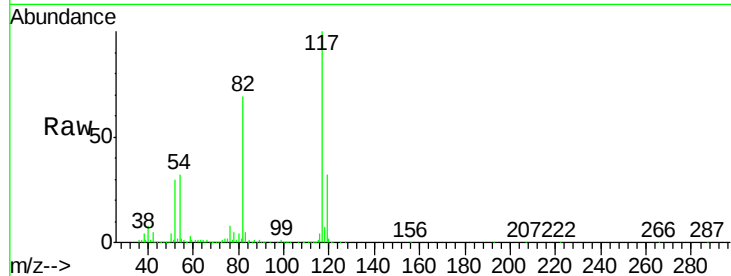
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.34 min Scan# 3501
Delta R.T. -0.02 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.9	47.8	71.8
119	32.4	43.3	64.9

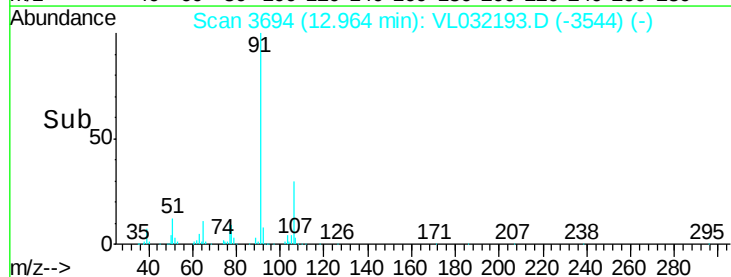
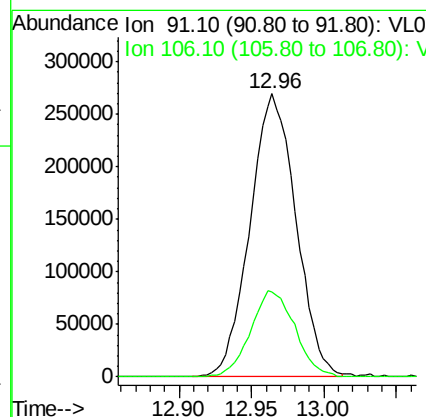
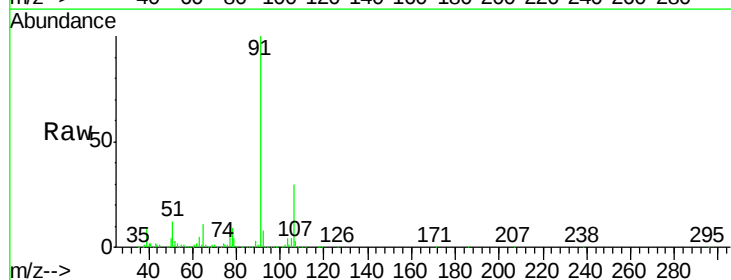
Manual Integrations
APPROVED

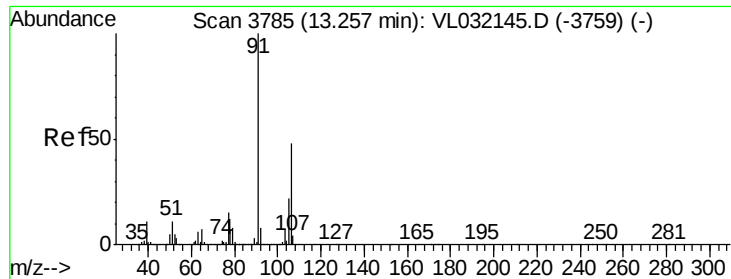
MMDadoda
7/3/2018 5:17:20 PM



#58
Ethyl Benzene
Concen: 1.12 ppbv
RT: 12.96 min Scan# 3694
Delta R.T. -0.02 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	26.5	39.7





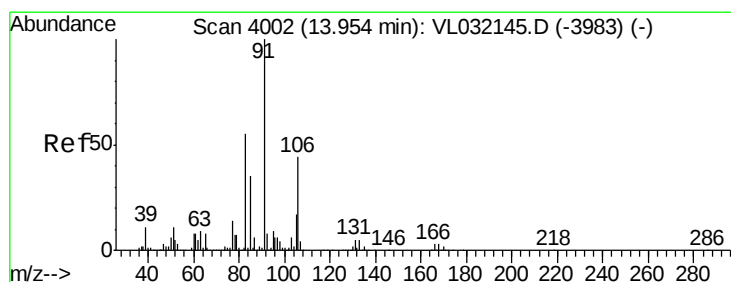
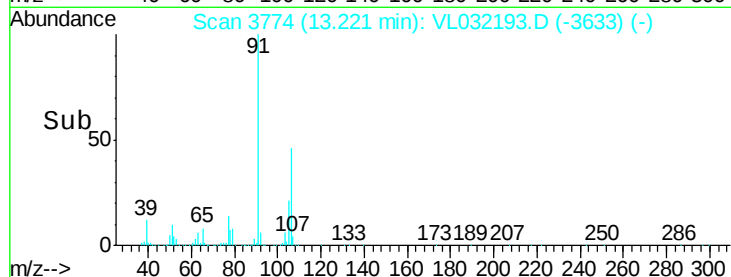
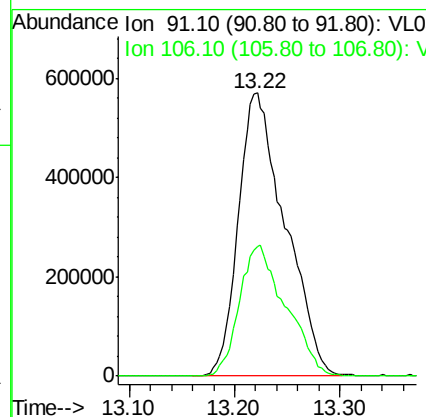
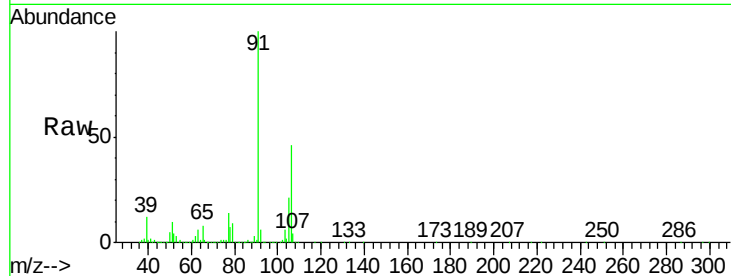
#59
m/p-Xylene
Concen: 4.14 ppbv
RT: 13.22 min Scan# 3774
Delta R.T. -0.05 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion: 91 Resp: 1752899
Ion Ratio Lower Upper
91 100
106 46.0 38.6 58.0

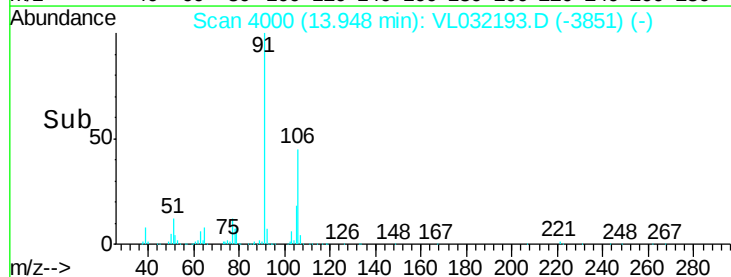
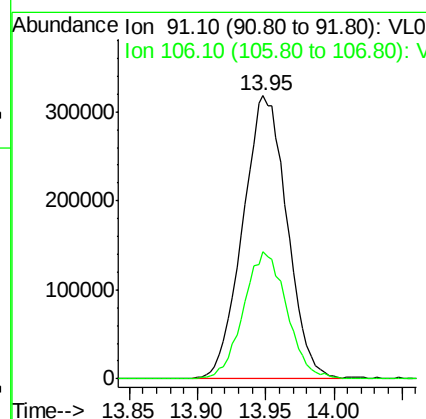
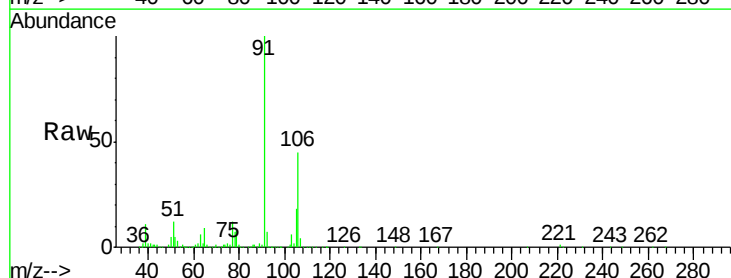
Manual Integrations
APPROVED

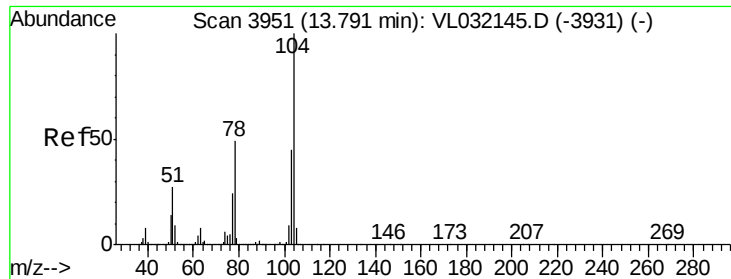
MMDadoda
7/3/2018 5:17:20 PM



#60
o-Xylene
Concen: 1.68 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.02 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion: 91 Resp: 710483
Ion Ratio Lower Upper
91 100
106 44.6 23.3 69.8





#61

Stvrene

Concen: 0.13 ppbv

RT: 13.78 min Scan# 3949

Delta R.T. -0.02 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

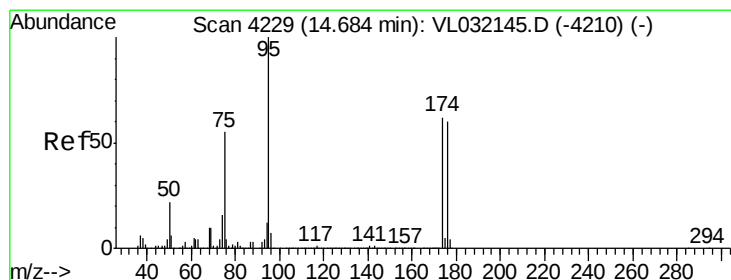
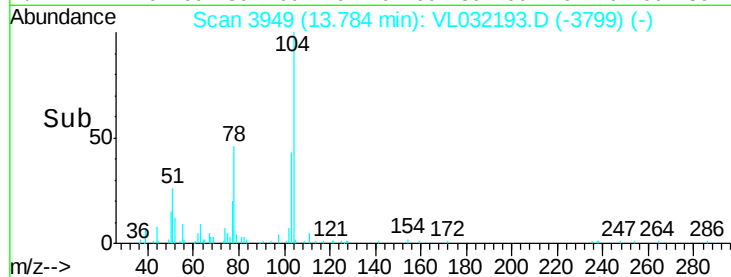
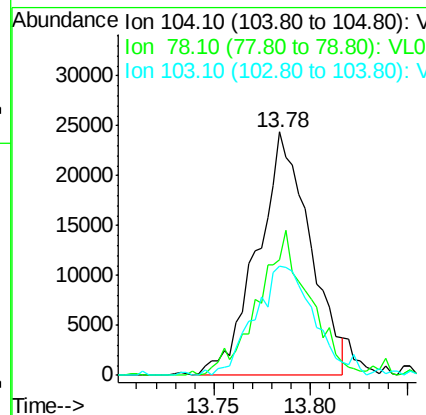
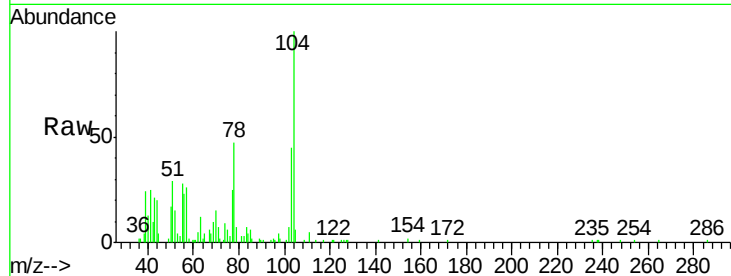
ClientSampleId :

EFFLUENT

Tot Ion:	104	Resp:	45958
Ion Ratio	Lower	Upper	
104	100		
78	59.8	37.9	56.9#
103	51.7	36.6	55.0

Manual Integrations
APPROVED

MMDadoda
7/3/2018 5:17:20 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.67 ppbv

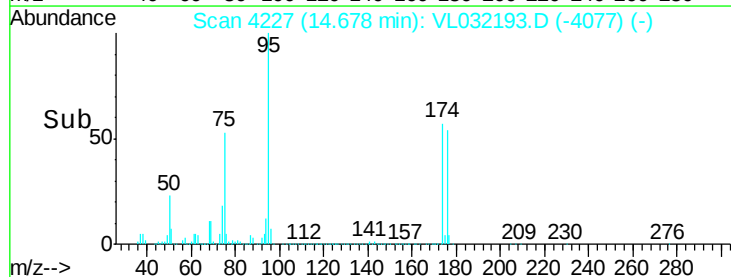
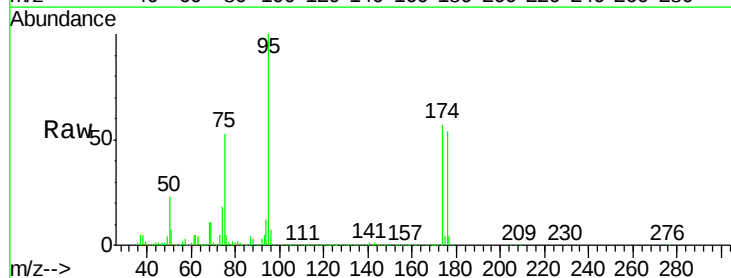
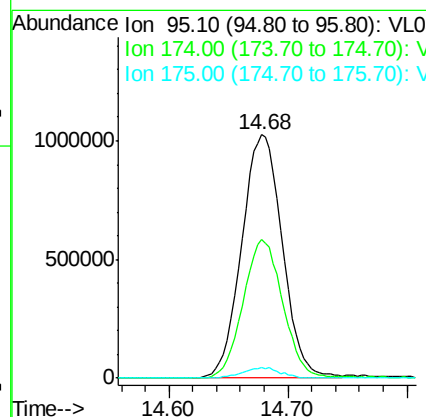
RT: 14.68 min Scan# 4227

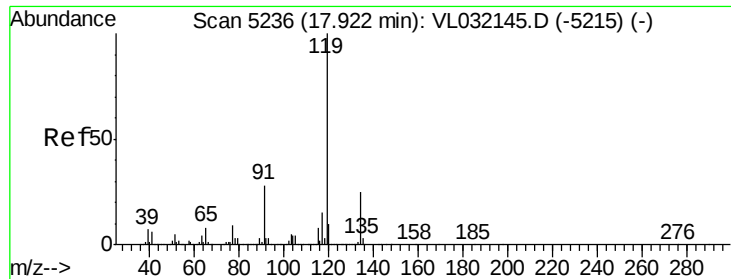
Delta R.T. -0.02 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Tgt Ion:	95	Resp:	2423402
Ion Ratio	Lower	Upper	
95	100		
174	56.3	52.1	78.1
175	4.1	4.0	6.0





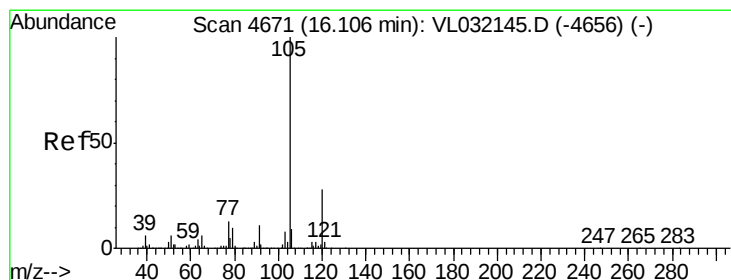
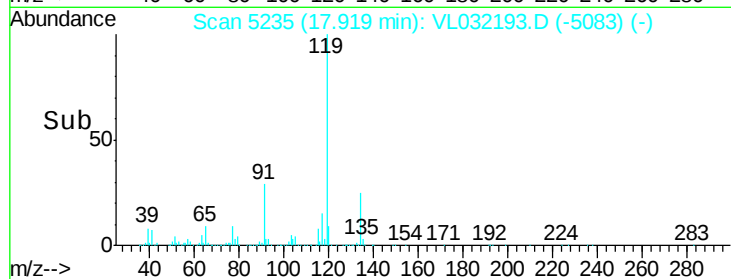
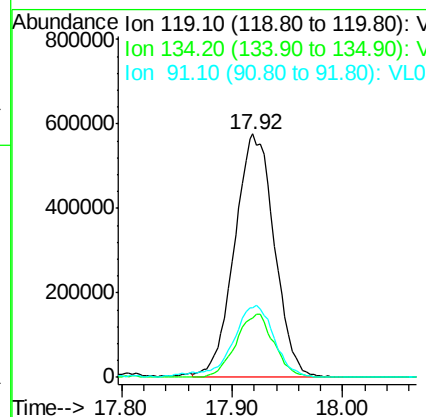
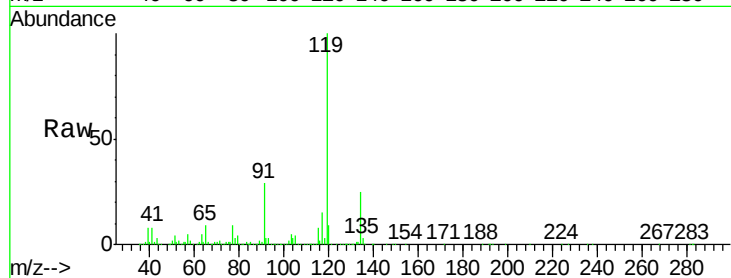
#69
p-Isopropyltoluene
Concen: 2.14 ppbv
RT: 17.92 min Scan# 5235
Delta R.T. -0.01 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Instrument :
MSVOA_L
ClientSampleId :
EFFLUENT

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.7	31.1
91	30.7	21.8	32.8

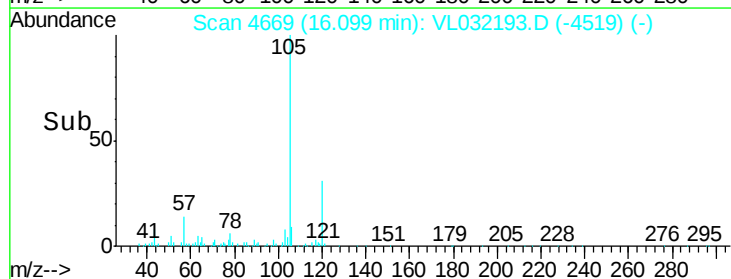
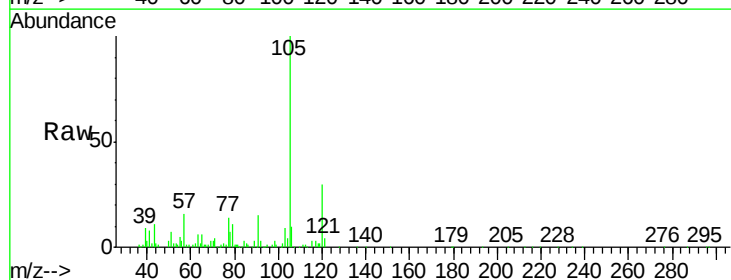
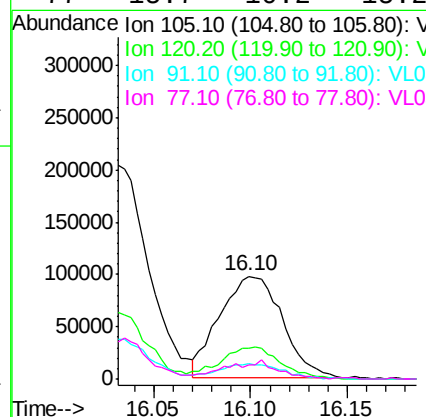
Manual Integrations
APPROVED

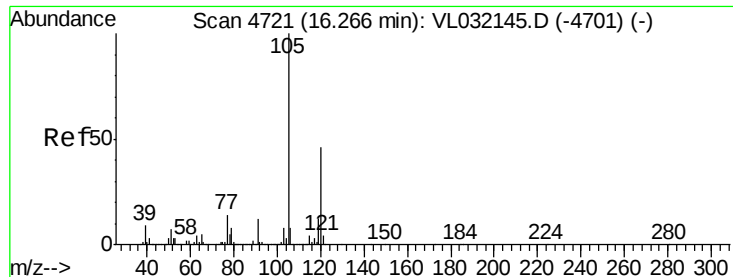
MMDadoda
7/3/2018 5:17:20 PM



#72
4-Ethyltoluene
Concen: 0.40 ppbv
RT: 16.10 min Scan# 4669
Delta R.T. -0.02 min
Lab File: VL032193.D
Acq: 2 Jul 2018 22:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.1	24.3	36.5
91	15.8	9.4	14.0#
77	15.7	10.2	15.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.37 ppbv

RT: 16.26 min Scan# 4719

Delta R.T. -0.02 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion:105 Resp: 188609

Ion Ratio Lower Upper

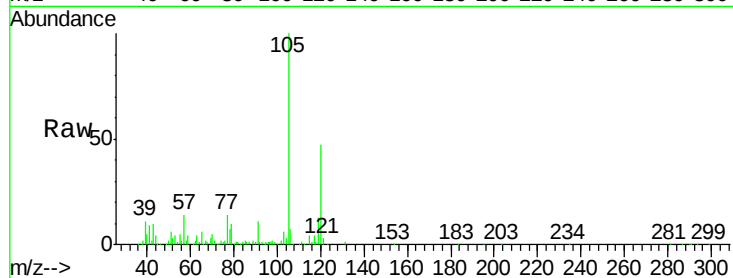
105 100

120 46.6 38.6 57.8

Manual Integrations
APPROVED

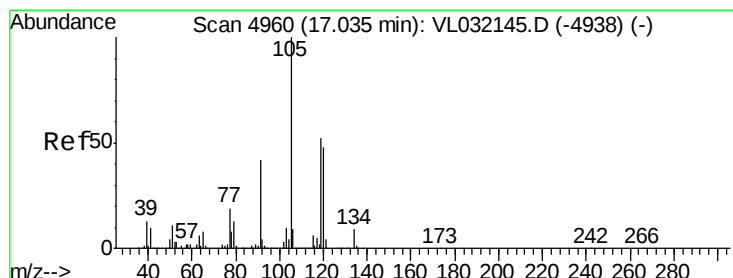
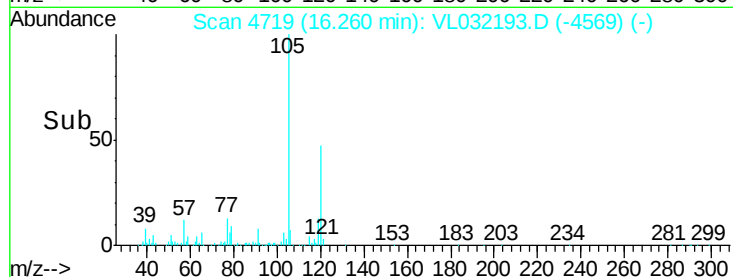
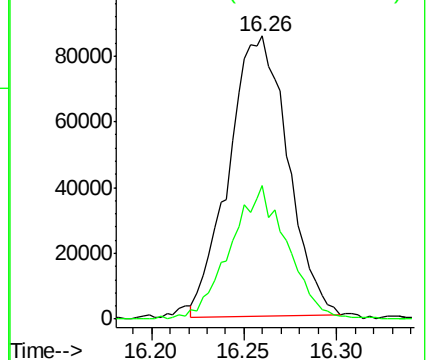
MMDadoda

7/3/2018 5:17:20 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.53 ppbv

RT: 17.03 min Scan# 4957

Delta R.T. -0.02 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Tgt Ion:105 Resp: 794936

Ion Ratio Lower Upper

105 100

120 39.7 38.8 58.2

91 10.6 33.6 50.4#

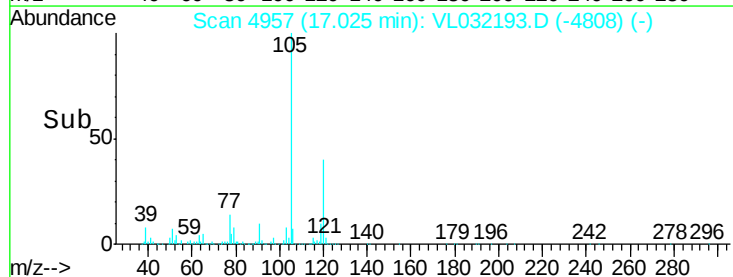
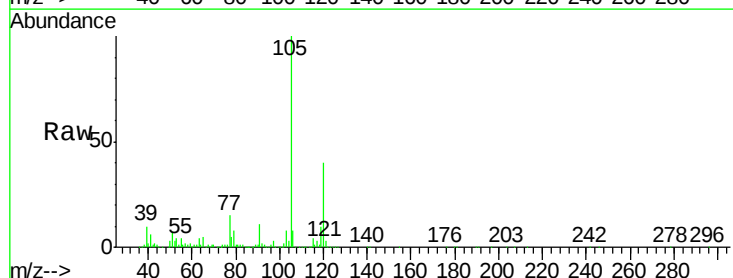
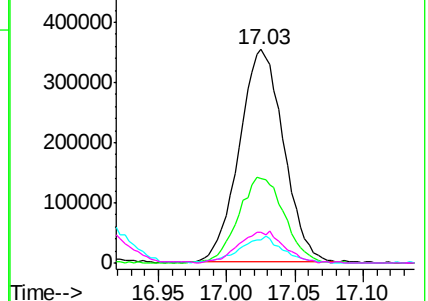
77 14.3 16.0 24.0#

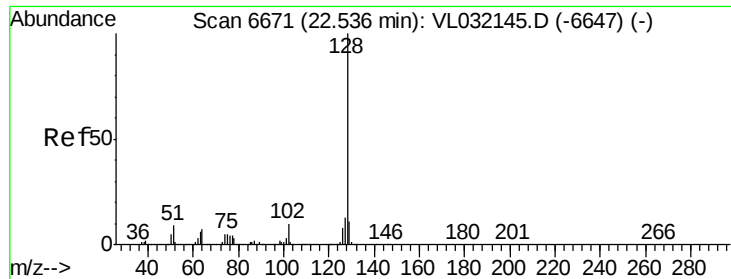
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.15 ppbv m

RT: 22.54 min Scan# 6671

Delta R.T. -0.02 min

Lab File: VL032193.D

Acq: 2 Jul 2018 22:27

Instrument :

MSVOA_L

ClientSampleId :

EFFLUENT

Tot Ion:128 Resp: 70278

Ion Ratio Lower Upper

128 100

127 14.9 10.5 15.7

129 13.1 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

7/3/2018 5:17:20 PM

