

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
 Data File : VL033786.D
 Acq On : 23 May 2019 23:24
 Operator : SY/AP
 Sample : K2929-14
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3007-25

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 2:53:46 AM

Quant Time: May 24 07:13:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	901510	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2345357	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2328912	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1906464	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	39539	0.208	ppbv	97
3) Chlorodifluoromethane	3.01	51	197077m	1.908	ppbv	
4) Chloromethane	3.16	50	20409m	0.346	ppbv	
9) Propene	3.04	41	2141164	48.749	ppbv	94
10) Heptane	8.24	43	157488	1.266	ppbv	100
11) Trichlorofluoromethane	4.00	101	44946	0.248	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	106271	0.839	ppbv	98
13) Ethanol	3.67	45	698682	49.216	ppbv	99
15) Acetone	3.89	43	9787130	78.247	ppbv #	87
17) tert-Butyl alcohol	4.37	59	204971	2.027	ppbv	97
20) Methylene Chloride	4.41	84	373596	7.758	ppbv	98
26) Hexane	5.78	57	419820	4.444	ppbv #	50
27) Carbon Disulfide	4.62	76	147630	1.139	ppbv	97
29) Chloroform	5.85	83	108831	0.625	ppbv	92
30) Cyclohexane	7.25	84	32487	0.409	ppbv #	70
32) 1,1,1-Trichloroethane	6.62	97	8884m	0.051	ppbv	
34) 2-Butanone	5.33	43	1304588	8.974	ppbv	98
35) Carbon Tetrachloride	7.14	117	6527m	0.035	ppbv	
36) Benzene	7.00	78	231940	1.087	ppbv	97
38) Trichloroethene	7.96	130	18430m	0.233	ppbv	
44) 2,2,4-Trimethylpentane	7.98	57	60630	0.168	ppbv #	63
50) 4-Methyl-2-Pentanone	8.87	43	74265	0.332	ppbv	98
51) 2-Hexanone	10.27	43	197945	1.134	ppbv #	98
52) Tetrachloroethene	11.36	164	38851m	0.518	ppbv	
53) Toluene	9.94	91	3489463	15.164	ppbv	99
58) Ethyl Benzene	12.86	91	296716	0.962	ppbv	97
59) m/p-Xylene	13.12	91	888285	3.295	ppbv	97
60) o-Xylene	13.84	91	313034	1.152	ppbv	98
61) Styrene	13.68	104	37219	0.203	ppbv	92
62) Isopropylbenzene	14.81	105	23808m	0.065	ppbv	
64) n-propylbenzene	15.72	120	23215m	0.245	ppbv	
70) n-Butylbenzene	18.73	91	99390	0.240	ppbv #	88
72) 4-Ethyltoluene	15.99	105	101778	0.328	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.15	105	64878	0.214	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	225580	0.684	ppbv #	76
75) 1,3-Dichlorobenzene	17.15	146	45628m	0.226	ppbv	
79) Naphthalene	22.41	128	51554m	0.168	ppbv	

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

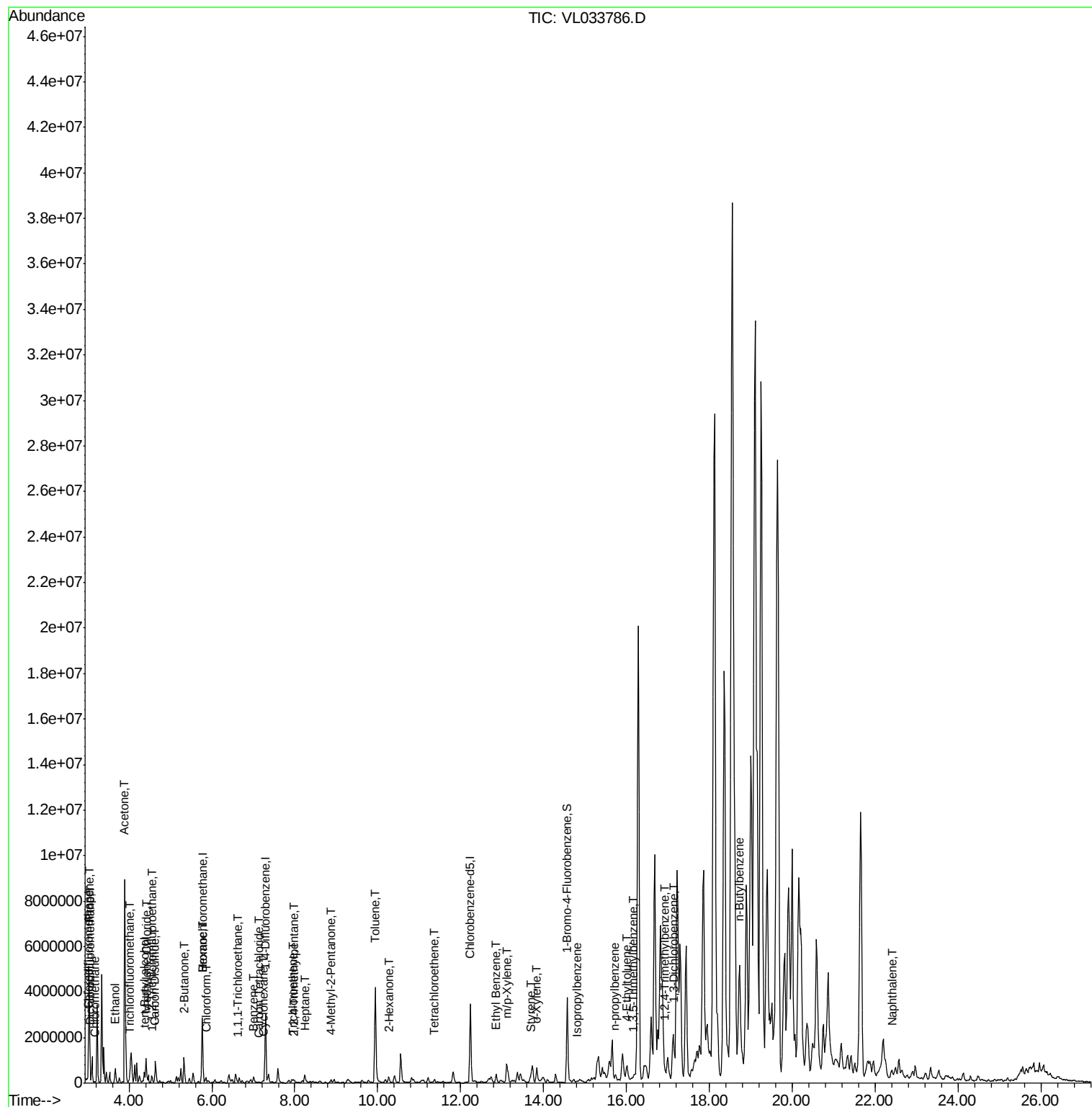
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052319\
Data File : VL033786.D
Acq On : 23 May 2019 23:24
Operator : SY/AP
Sample : K2929-14
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

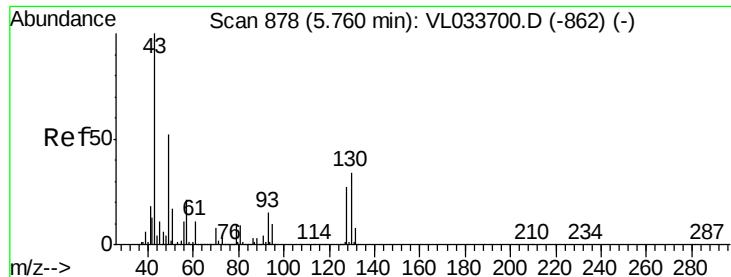
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:53:46 AM

Quant Time: May 24 07:13:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

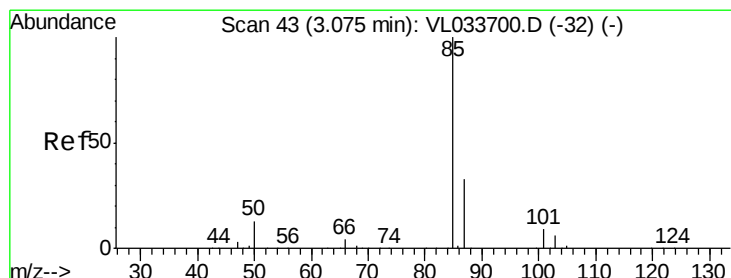
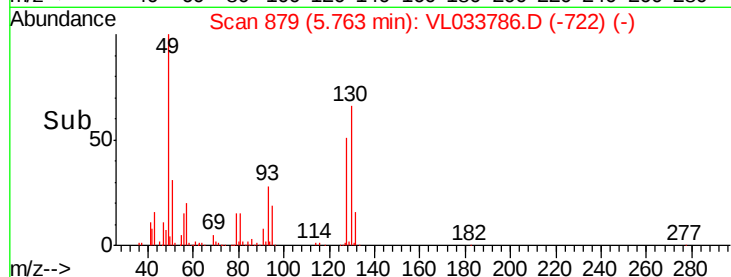
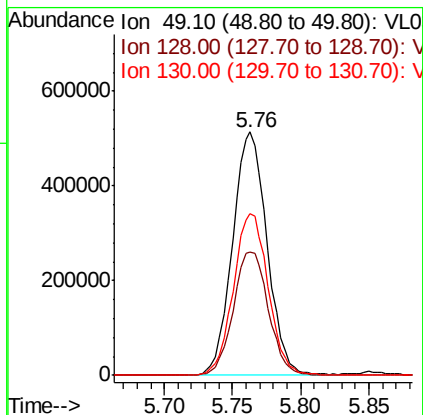
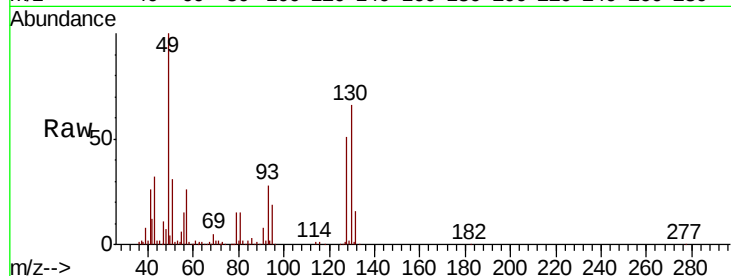
ClientSampleId :

BPS1-SG-3007-25

Tot Ion:	49	Resp:	901510
Ion	Ratio	Lower	Upper
49	100		
128	51.9	25.2	75.6
130	67.4	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:53:46 AM



#2

Dichlorodifluoromethane

Concen: 0.208 ppbv

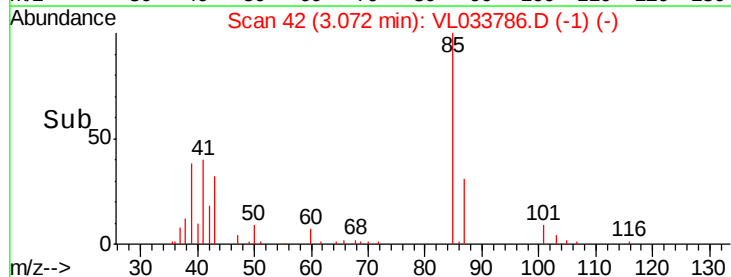
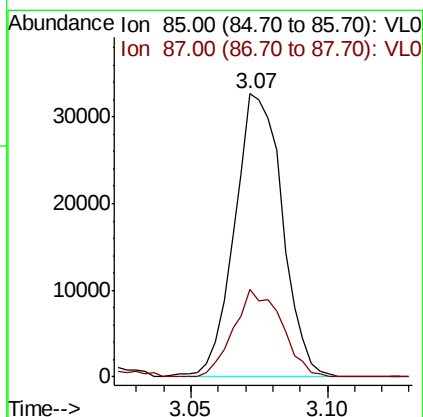
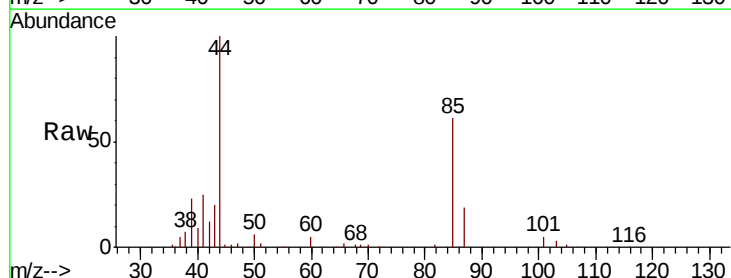
RT: 3.07 min Scan# 42

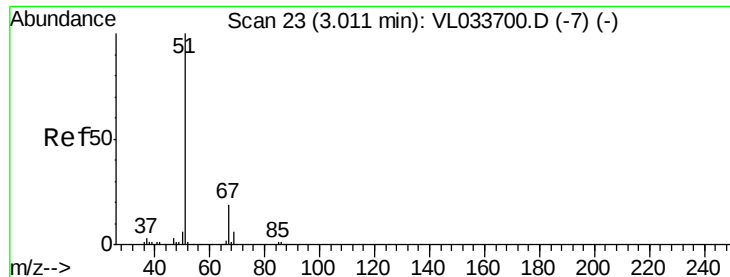
Delta R.T. -0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Tgt Ion:	85	Resp:	39539
Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.3	39.5





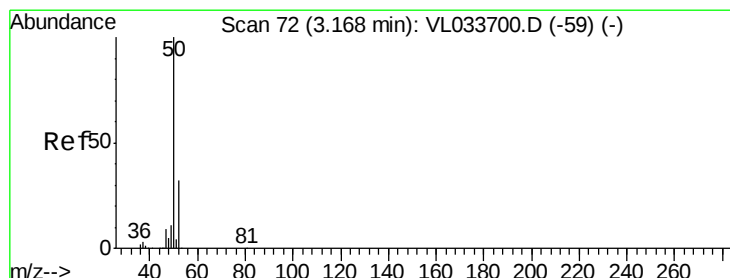
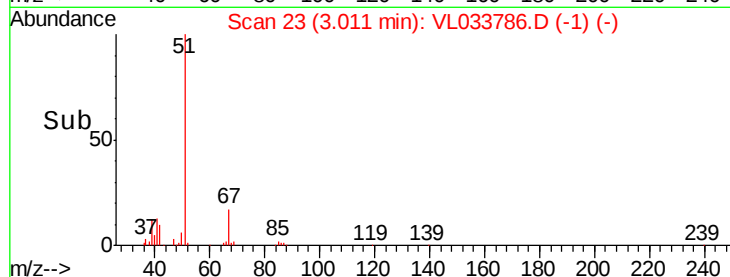
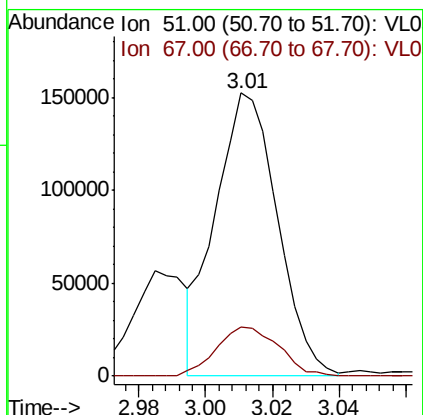
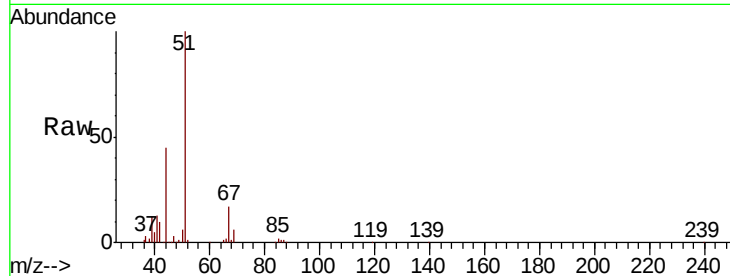
#3
Chlorodifluoromethane
Concen: 1.908 ppbv m
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25

Tot Ion	Ratio	Lower	Upper
51	100		
67	17.5	15.6	23.4

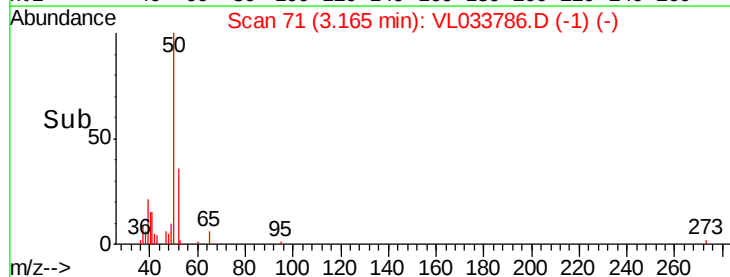
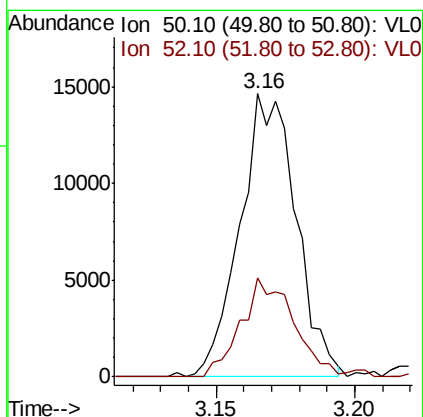
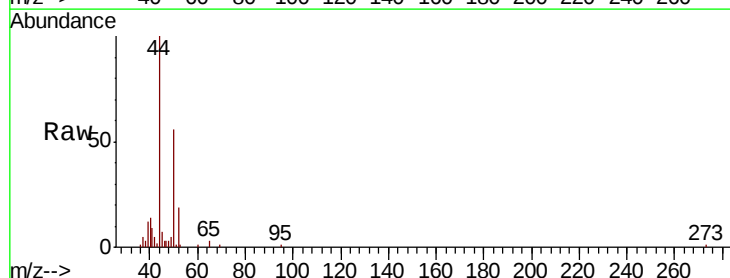
Manual Integrations
APPROVED

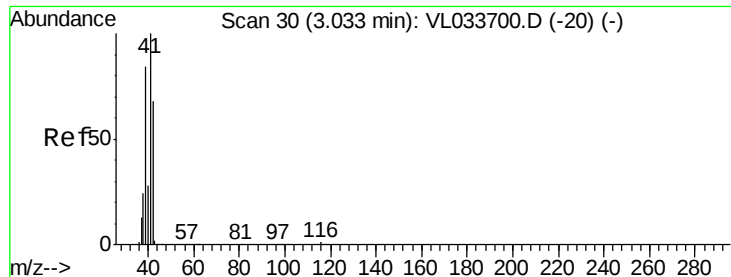
MMDadoda
5/28/2019 2:53:46 AM



#4
Chloromethane
Concen: 0.346 ppbv m
RT: 3.16 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.0	25.7	38.5





#9

Propene

Concen: 48.749 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3007-25

Tot Ion: 41 Resp: 2141164

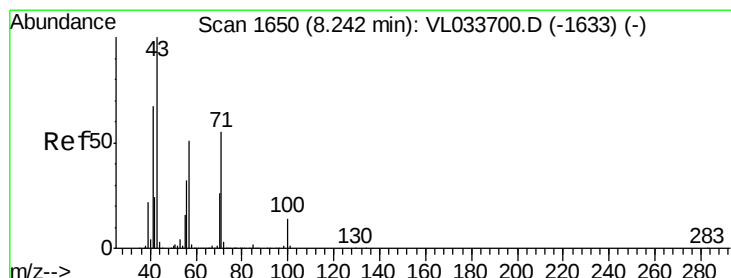
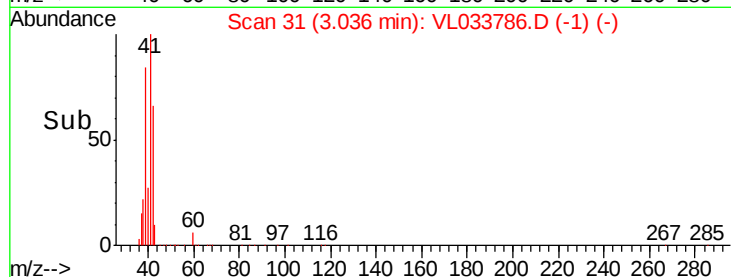
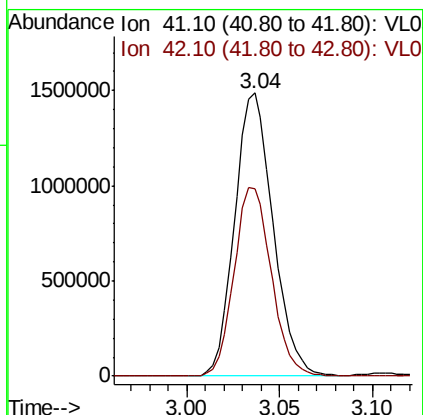
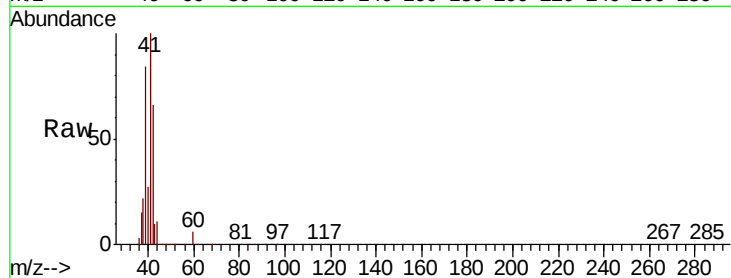
Ion Ratio Lower Upper

41 100

42 65.1 56.1 84.1

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:53:46 AM



#10

Heptane

Concen: 1.266 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033786.D

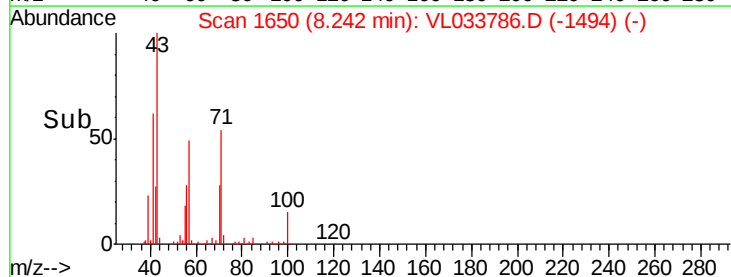
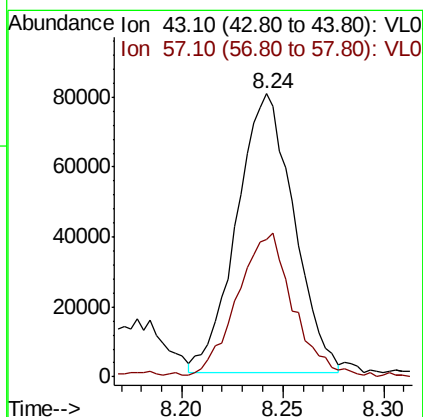
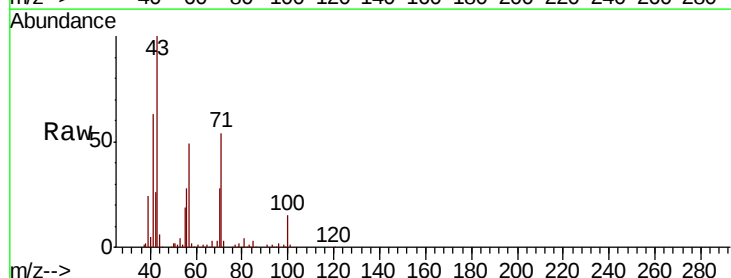
Acq: 23 May 2019 23:24

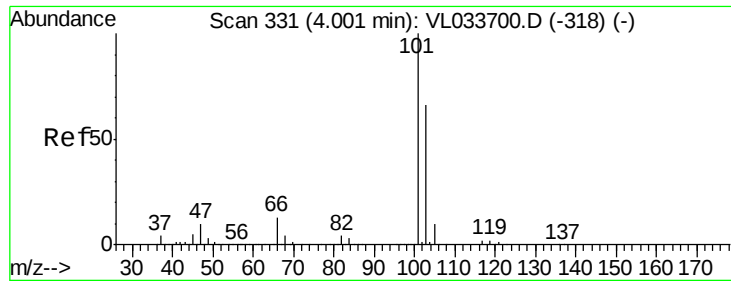
Tgt Ion: 43 Resp: 157488

Ion Ratio Lower Upper

43 100

57 51.4 41.4 62.0





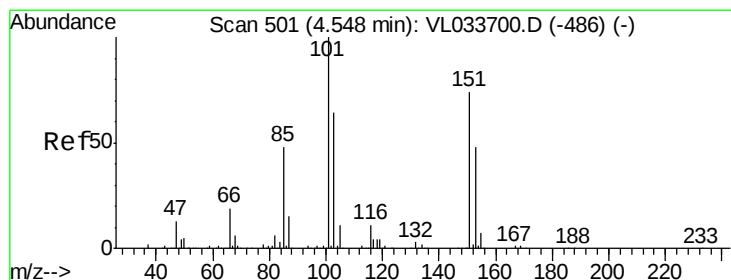
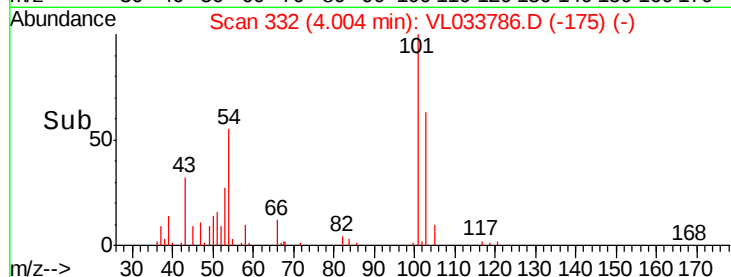
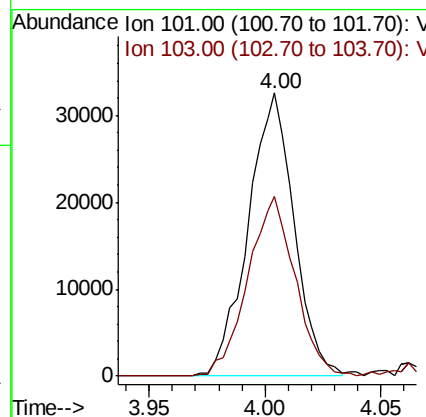
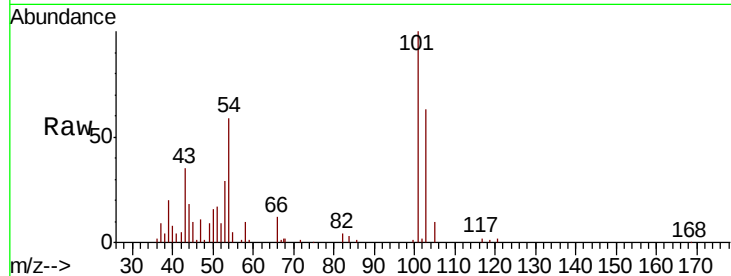
#11
 Trichlorofluoromethane
 Concen: 0.248 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033786.D
 Acq: 23 May 2019 23:24

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3007-25

Tot Ion:101 Resp: 44946
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.6 78.8

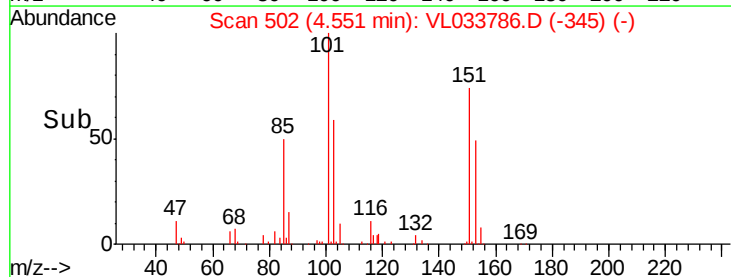
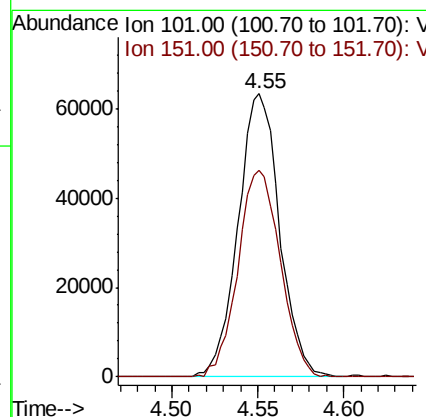
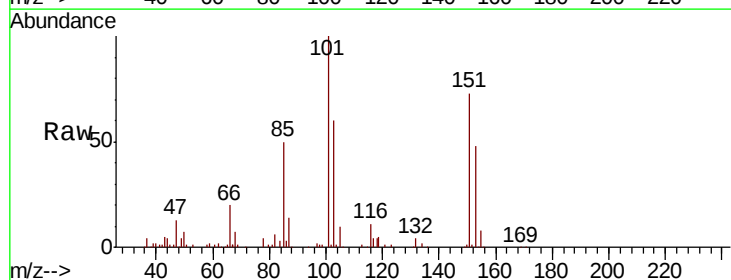
Manual Integrations
 APPROVED

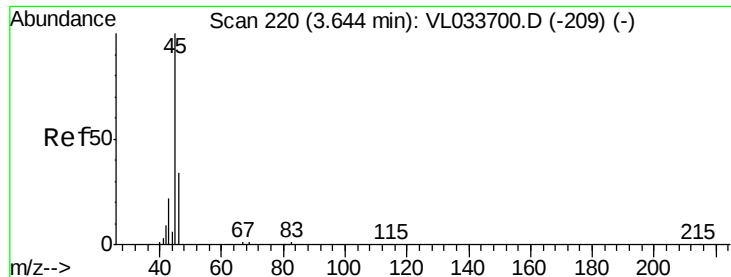
MMDadoda
 5/28/2019 2:53:46 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.839 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL033786.D
 Acq: 23 May 2019 23:24

Tgt Ion:101 Resp: 106271
 Ion Ratio Lower Upper
 101 100
 151 74.4 58.2 87.4





#13

Ethanol

Concen: 49.216 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3007-25

Tot Ion: 45 Resp: 698682

Ion Ratio Lower Upper

45 100

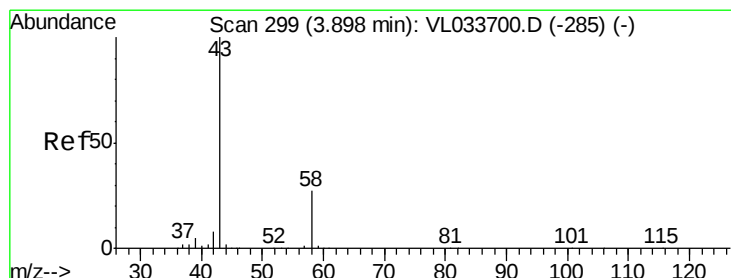
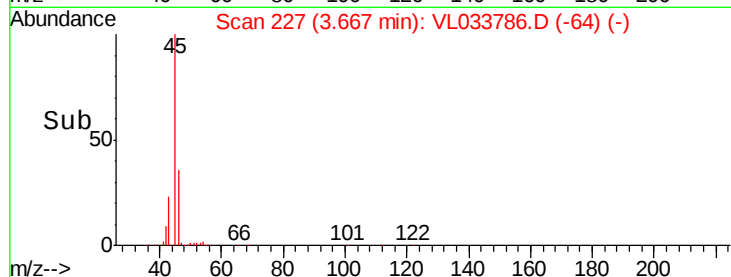
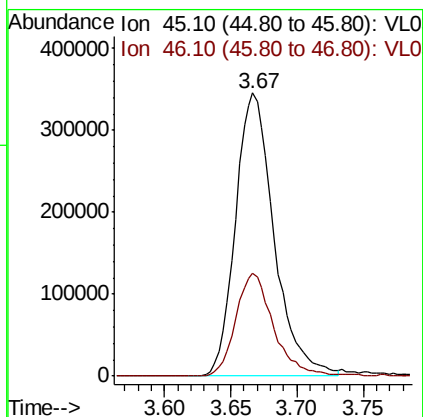
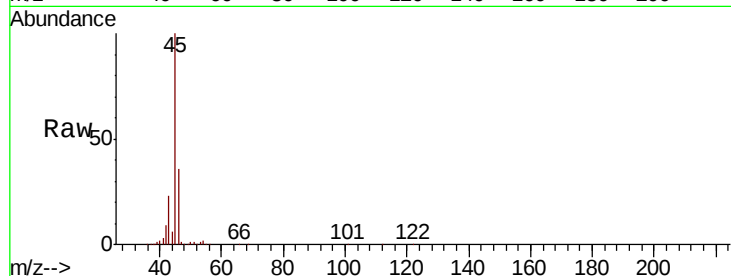
46 36.0 14.8 59.0

Manual Integrations

APPROVED

MMDadoda

5/28/2019 2:53:46 AM



#15

Acetone

Concen: 78.247 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033786.D

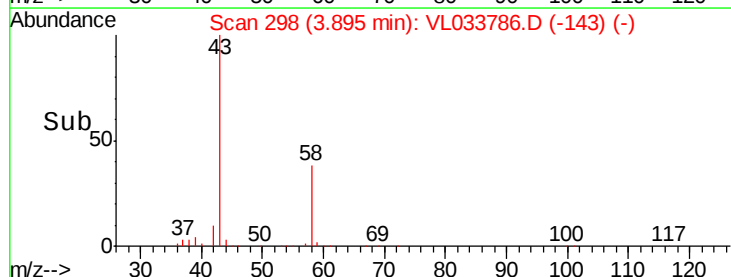
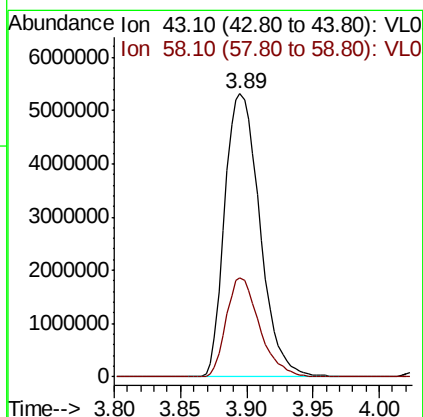
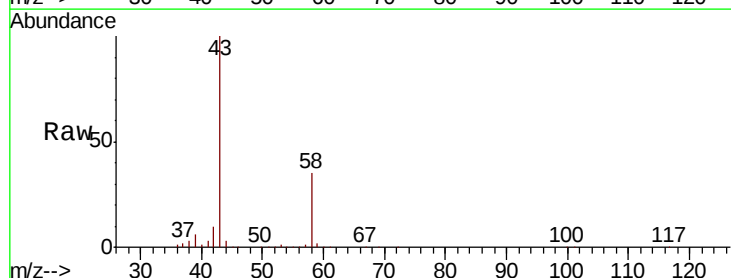
Acq: 23 May 2019 23:24

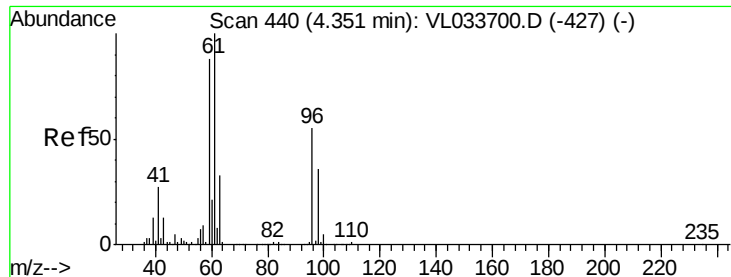
Tgt Ion: 43 Resp: 9787130

Ion Ratio Lower Upper

43 100

58 33.3 21.3 31.9#





#17

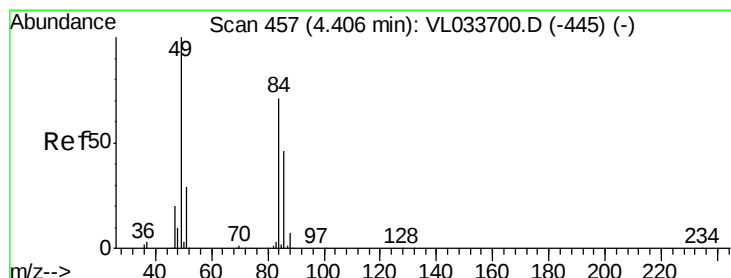
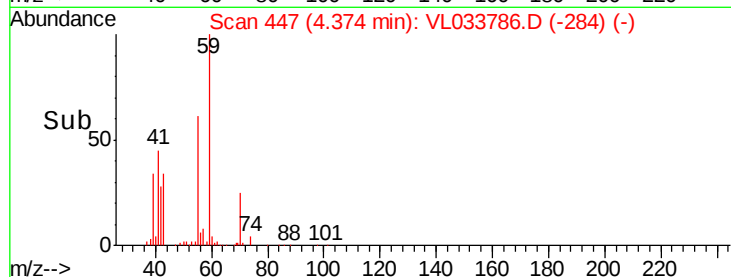
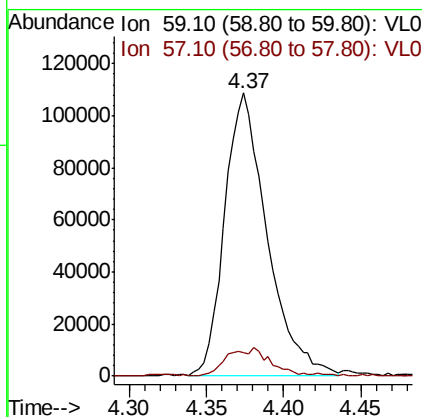
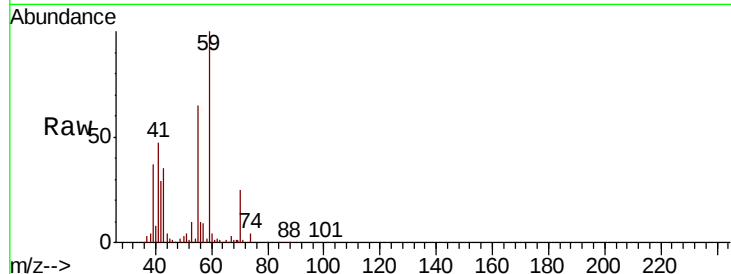
tert-Butyl alcohol
 Concen: 2.027 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. 0.02 min
 Lab File: VL033786.D
 Acq: 23 May 2019 23:24

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3007-25

Tot Ion: 59 Resp: 204971
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.4 12.6

Manual Integrations
 APPROVED

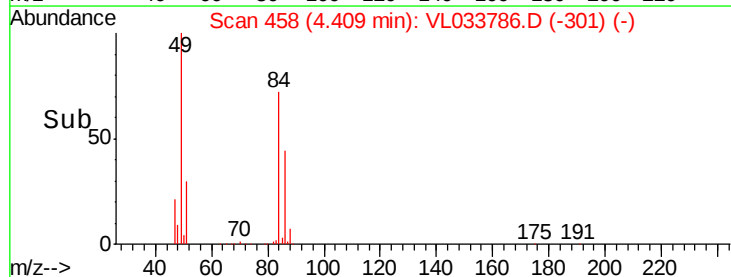
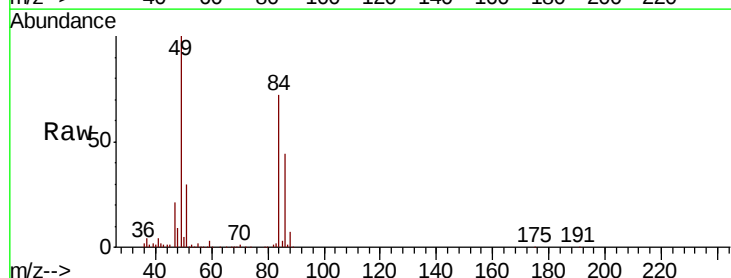
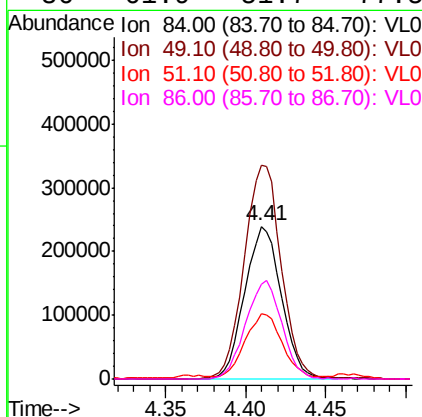
MMDadoda
 5/28/2019 2:53:46 AM

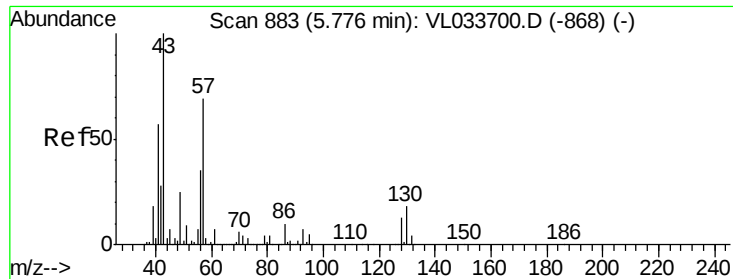


#20

Methylene Chloride
 Concen: 7.758 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VL033786.D
 Acq: 23 May 2019 23:24

Tgt Ion: 84 Resp: 373596
 Ion Ratio Lower Upper
 84 100
 49 139.4 112.8 169.2
 51 40.5 33.4 50.0
 86 61.9 51.7 77.5





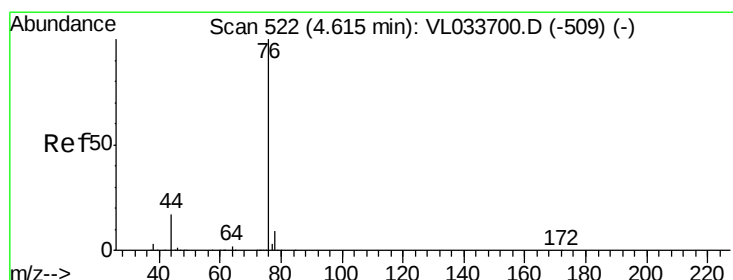
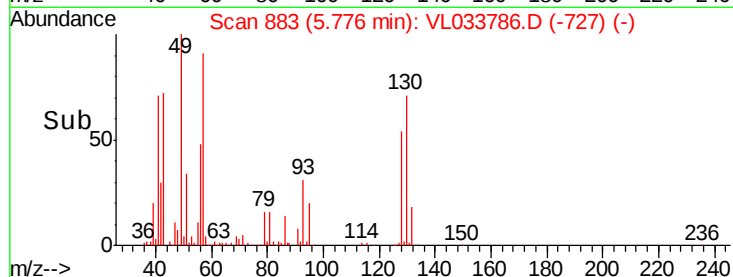
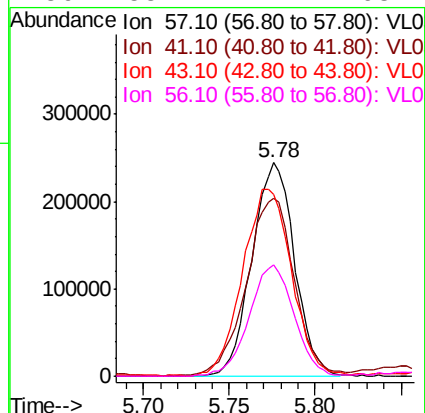
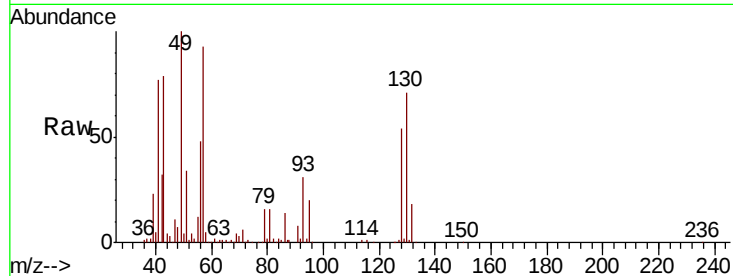
#26
Hexane
Concen: 4.444 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25

Tot Ion	57	Resp	419820
Ion Ratio	Lower	Upper	
57	100		
41	93.8	69.8	104.6
43	100.2	181.8	272.6#
56	55.2	42.1	63.1

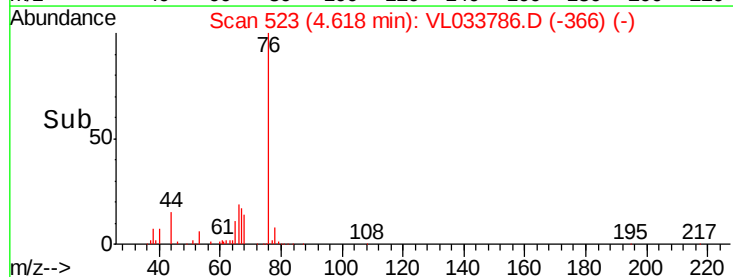
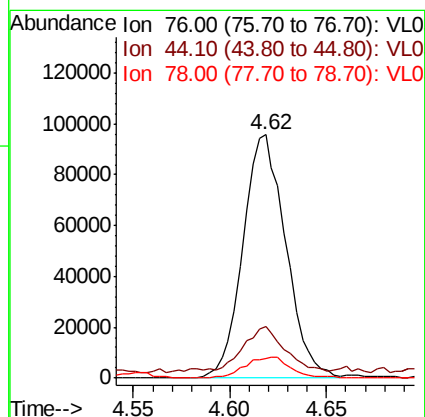
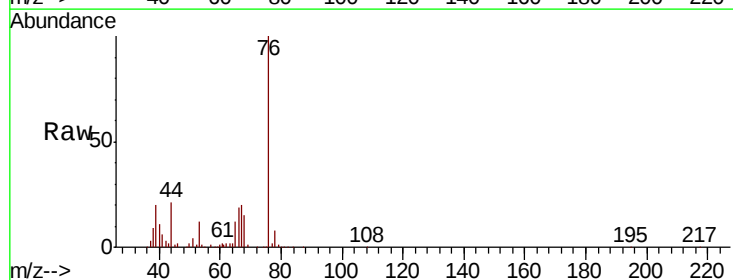
Manual Integrations
APPROVED

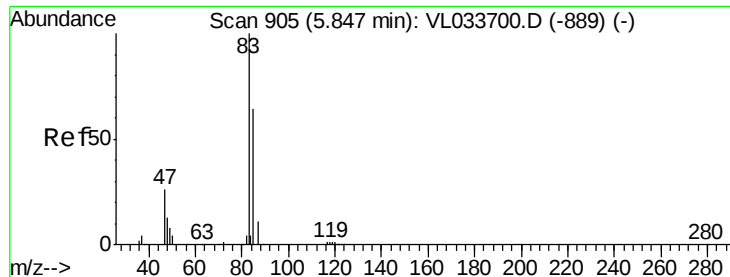
MMDadoda
5/28/2019 2:53:46 AM



#27
Carbon Disulfide
Concen: 1.139 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Tgt Ion	76	Resp	147630
Ion Ratio	Lower	Upper	
76	100		
44	19.3	13.8	20.8
78	9.1	7.4	11.0





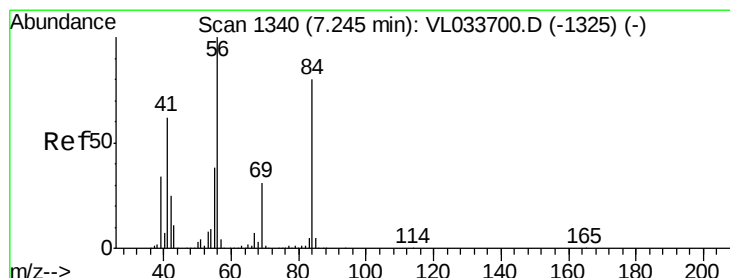
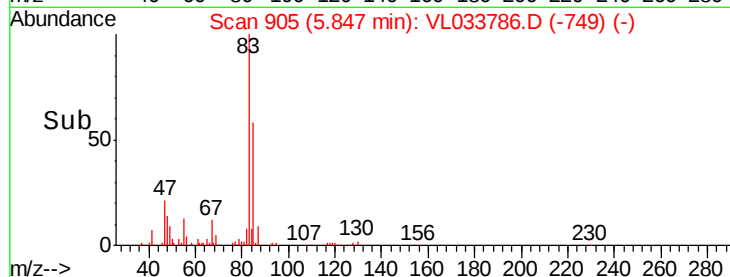
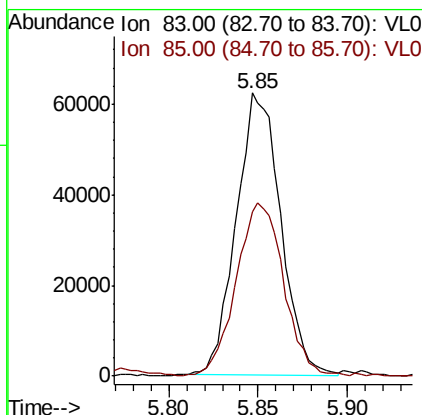
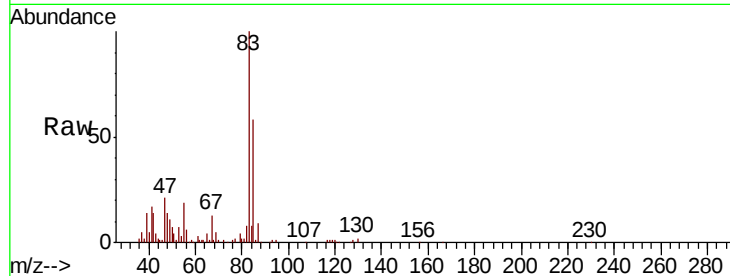
#29
Chloroform
Concen: 0.625 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25

Tot Ion	83	Resp	108831
Ion Ratio	Lower	Upper	
83	100		
85	57.9	51.5	77.3

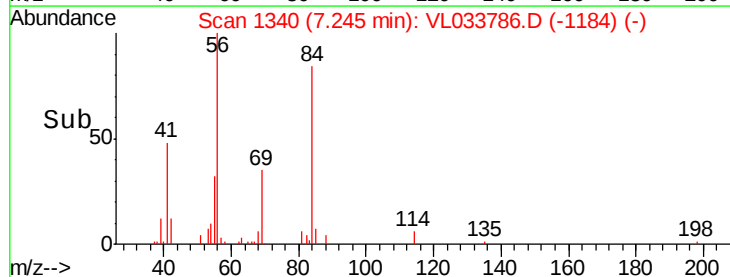
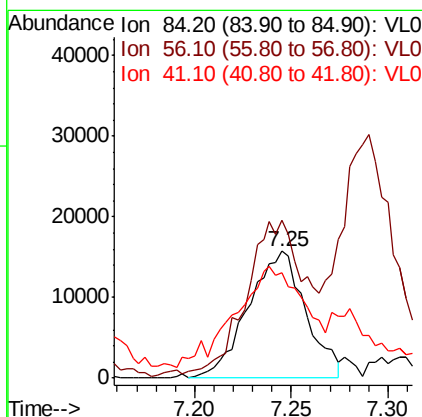
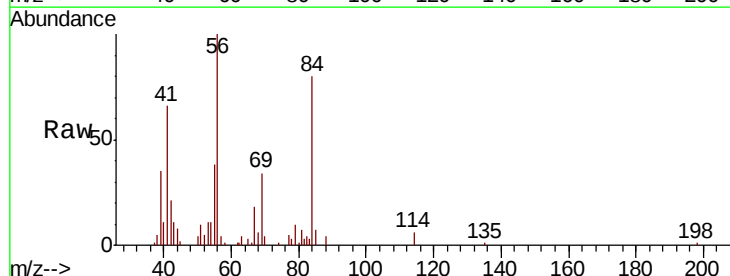
Manual Integrations
APPROVED

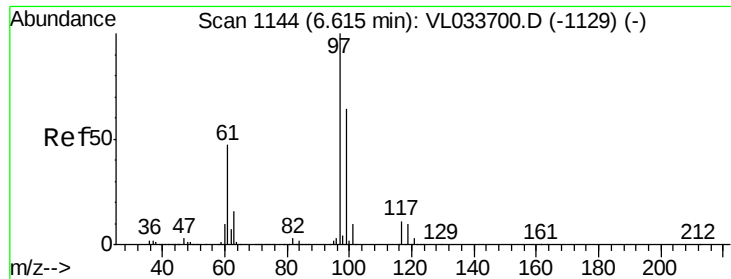
MMDadoda
5/28/2019 2:53:46 AM



#30
Cyclohexane
Concen: 0.409 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Tgt Ion	84	Resp	32487
Ion Ratio	Lower	Upper	
84	100		
56	118.6	107.7	161.5
41	133.6	66.0	99.0#





#32

1,1,1-Trichloroethane

Concen: 0.051 ppbv m

RT: 6.62 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

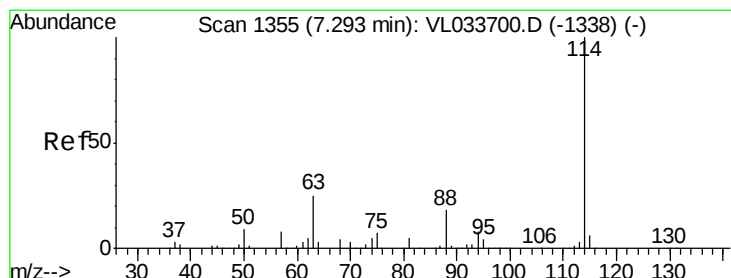
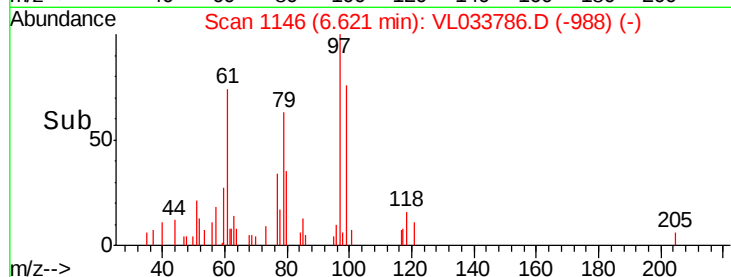
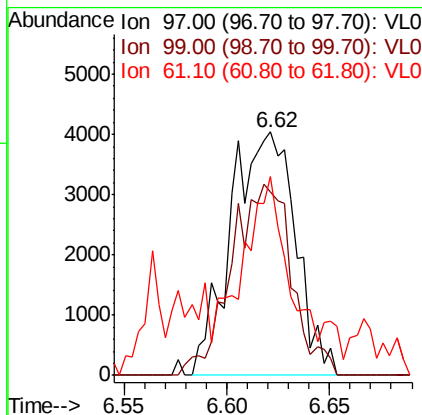
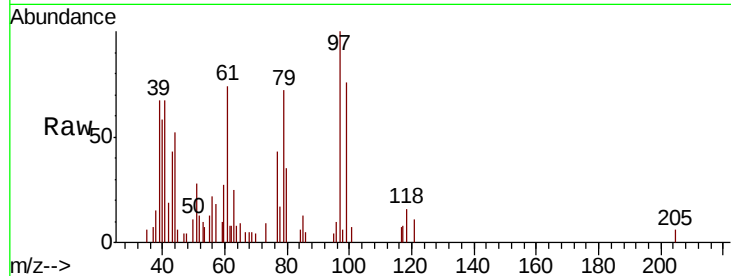
ClientSampleId :

BPS1-SG-3007-25

Tot Ion:	97	Resp:	8884
Ion	Ratio	Lower	Upper
97	100		
99	73.3	51.5	77.3
61	77.8	37.8	56.8#

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:53:46 AM



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

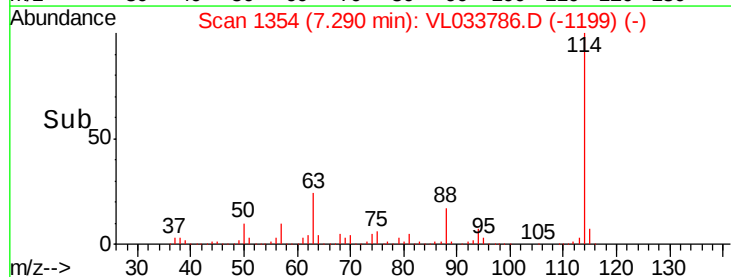
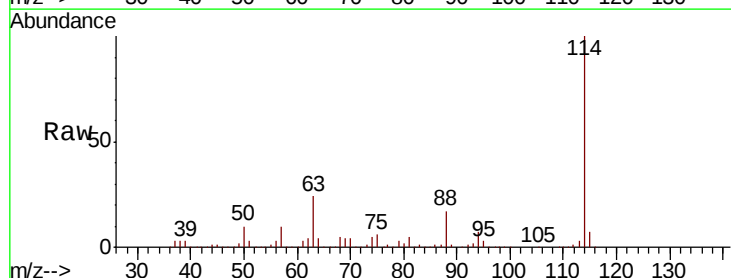
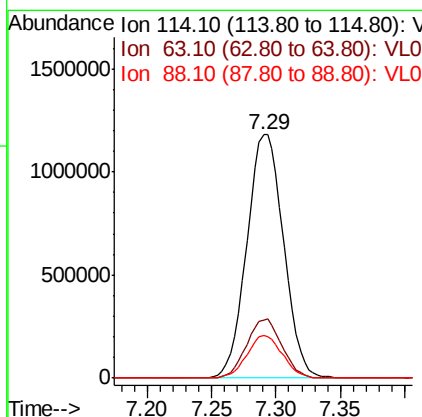
RT: 7.29 min Scan# 1354

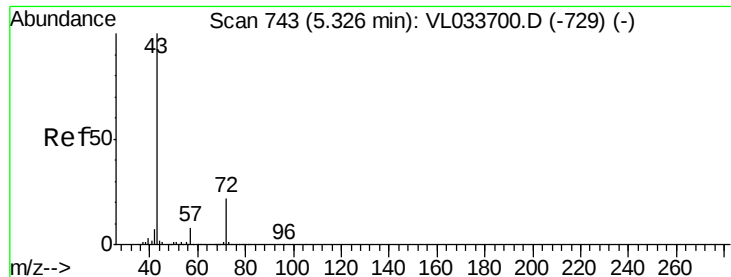
Delta R.T. -0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Tgt Ion:	114	Resp:	2345357
Ion	Ratio	Lower	Upper
114	100		
63	23.6	20.9	31.3
88	17.1	14.3	21.5





#34

2-Butanone

Concen: 8.974 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3007-25

Tot Ion: 43 Resp: 1304588

Ion Ratio Lower Upper

43 100

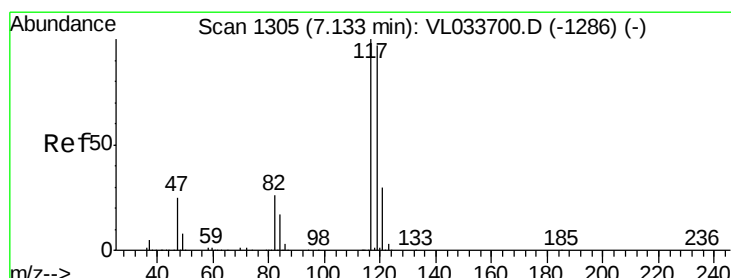
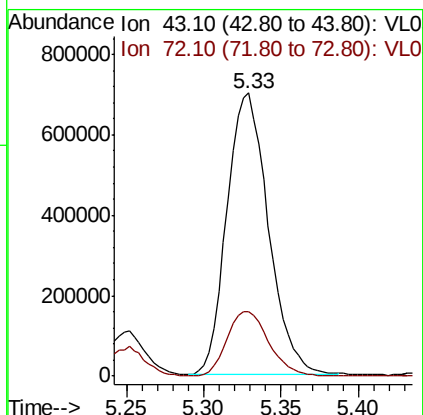
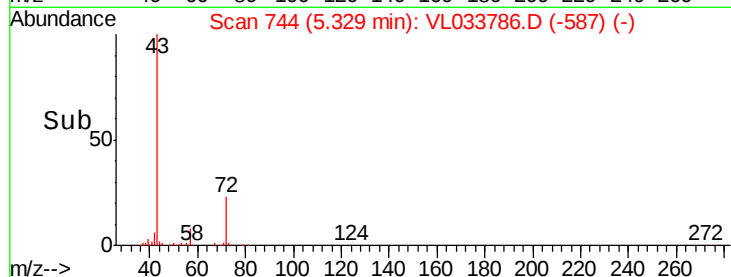
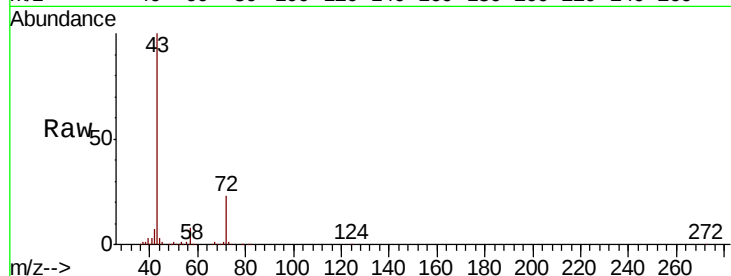
72 23.2 17.8 26.6

Manual Integrations

APPROVED

MMDadoda

5/28/2019 2:53:46 AM



#35

Carbon Tetrachloride

Concen: 0.035 ppbv m

RT: 7.14 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

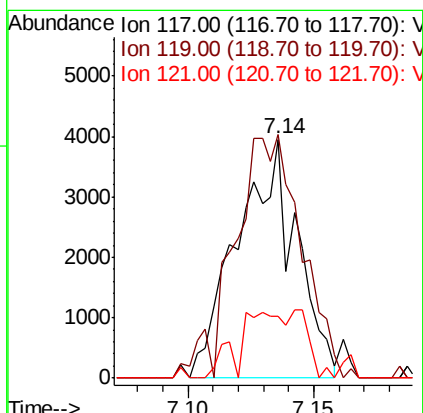
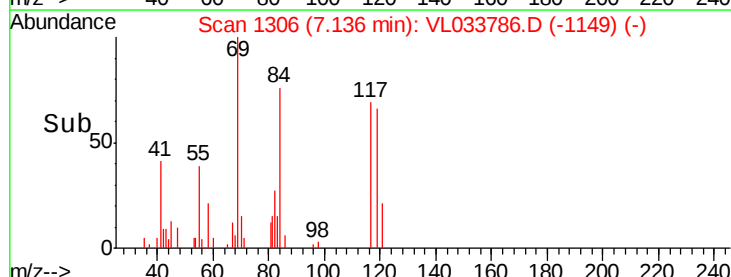
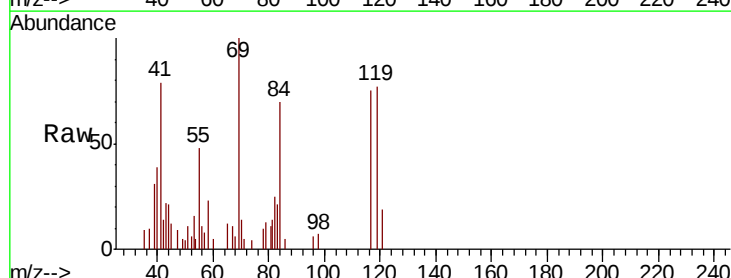
Tgt Ion: 117 Resp: 6527

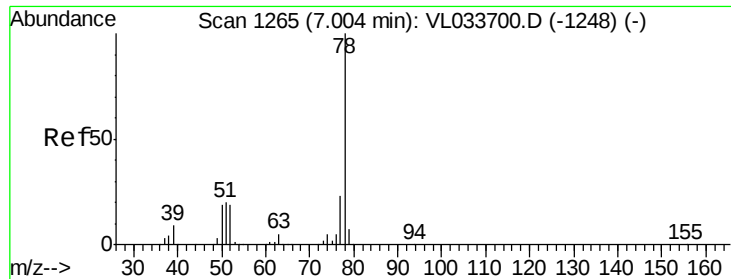
Ion Ratio Lower Upper

117 100

119 102.0 77.2 115.8

121 25.9 24.1 36.1





#36

Benzene

Concen: 1.087 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

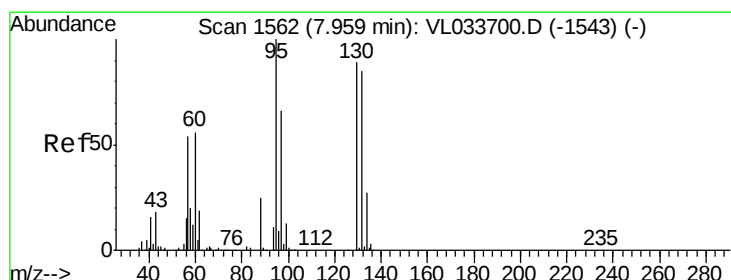
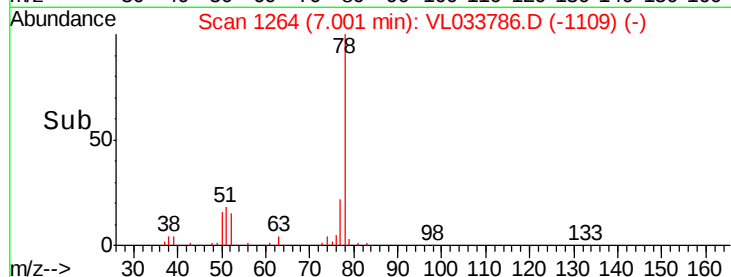
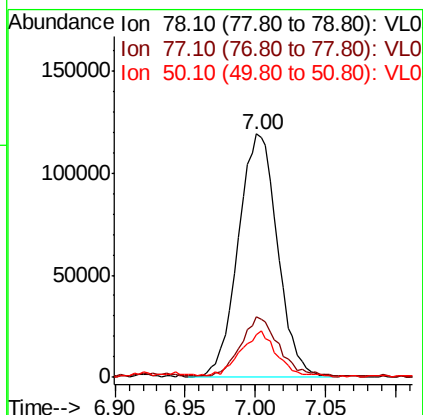
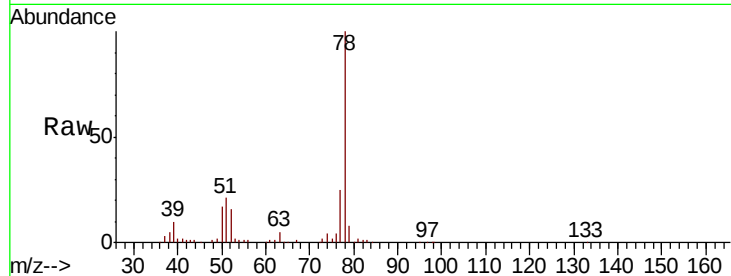
ClientSampleId :

BPS1-SG-3007-25

Tot Ion:	78	Resp:	231940
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.4	27.6
50	17.1	15.5	23.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:53:46 AM



#38

Trichloroethene

Concen: 0.233 ppbv m

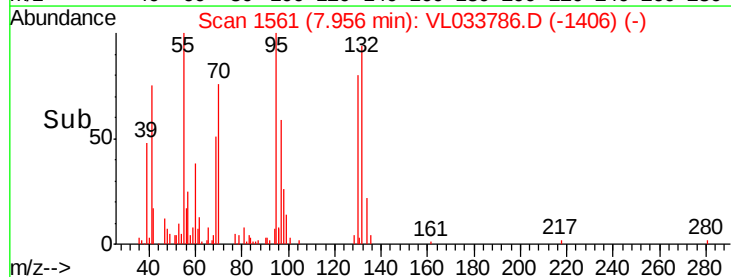
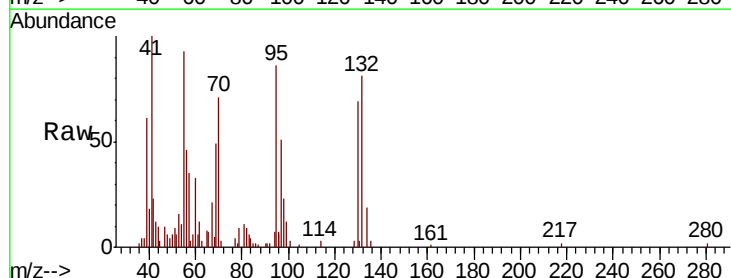
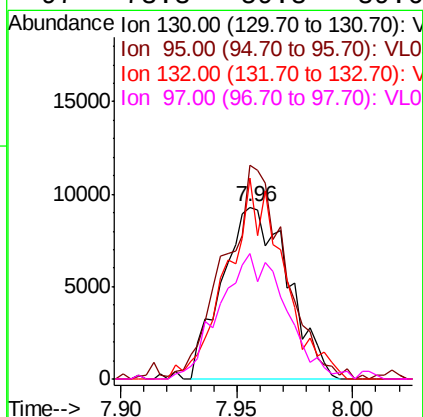
RT: 7.96 min Scan# 1561

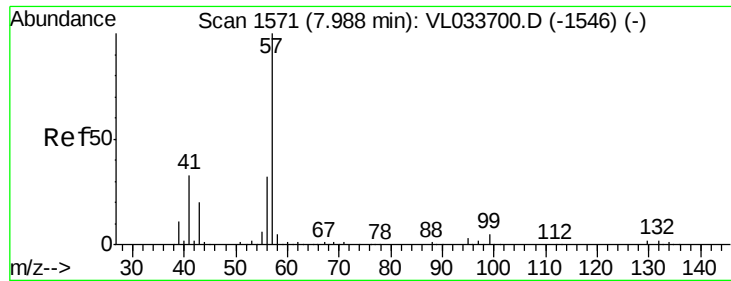
Delta R.T. -0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Tgt Ion:	130	Resp:	18430
Ion	Ratio	Lower	Upper
130	100		
95	124.4	90.2	135.4
132	116.8	76.4	114.6#
97	73.3	59.8	89.6





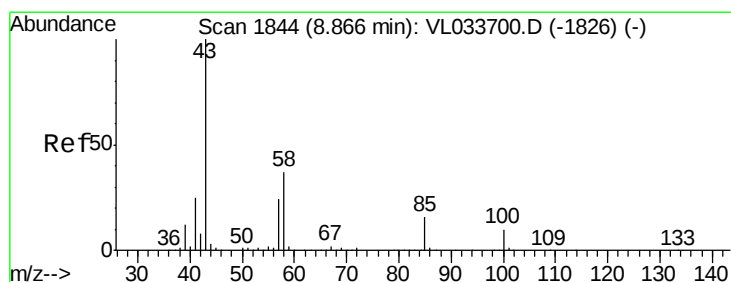
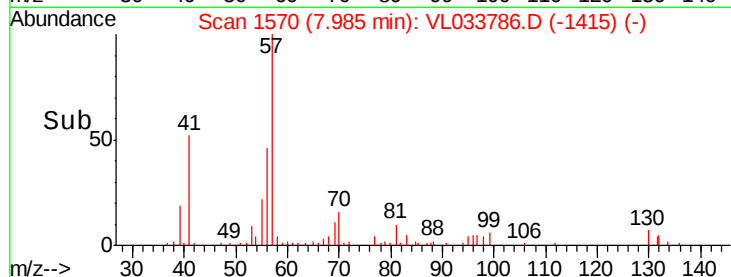
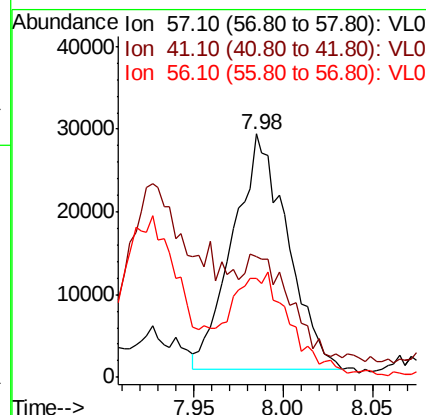
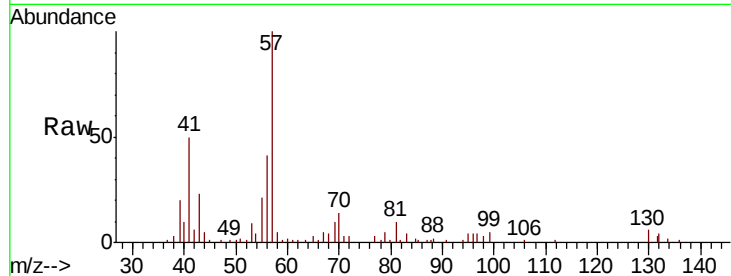
#44
 2,2,4-Trimethylpentane
 Concen: 0.168 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL033786.D
 Acq: 23 May 2019 23:24

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3007-25

Tot Ion	Ratio	Lower	Upper
57	100		
41	9.9	25.4	38.0#
56	49.6	24.7	37.1#

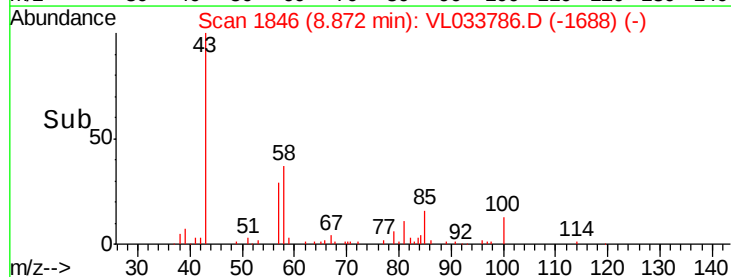
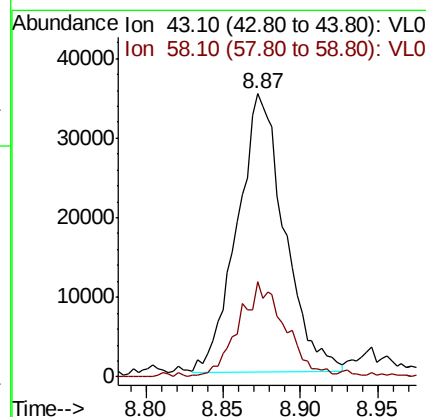
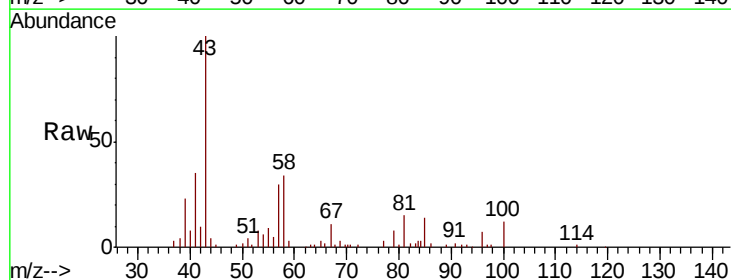
Manual Integrations
 APPROVED

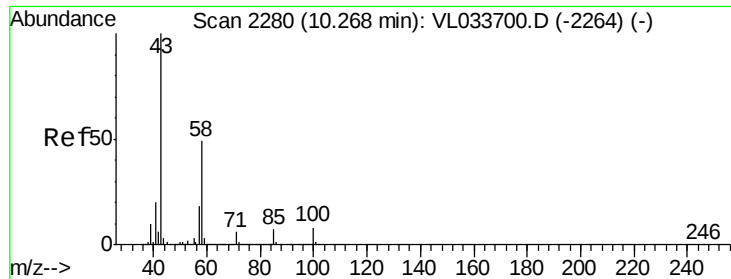
MMDadoda
 5/28/2019 2:53:46 AM



#50
 4-Methyl-2-Pentanone
 Concen: 0.332 ppbv
 RT: 8.87 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: VL033786.D
 Acq: 23 May 2019 23:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.6	43.0





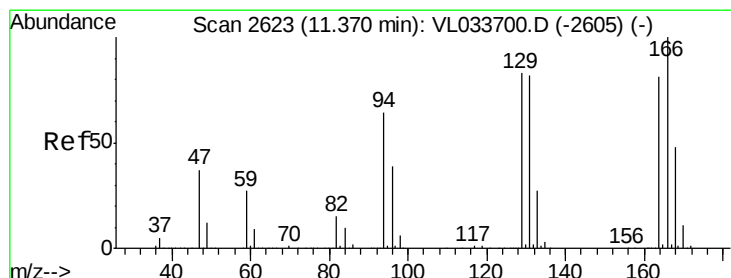
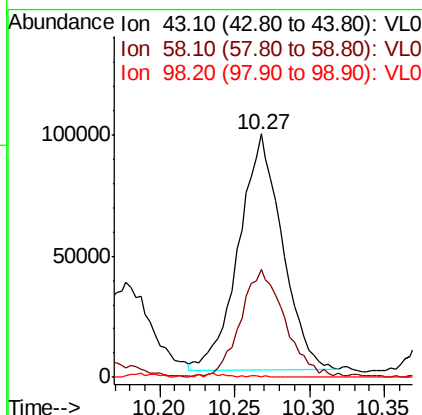
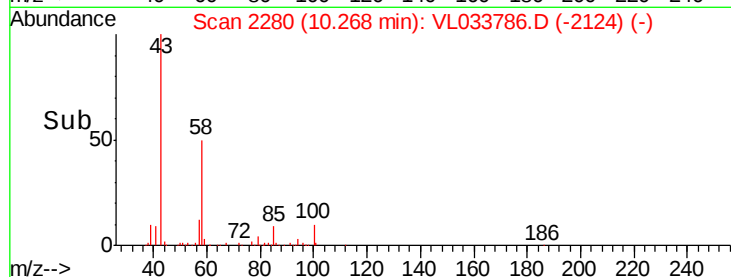
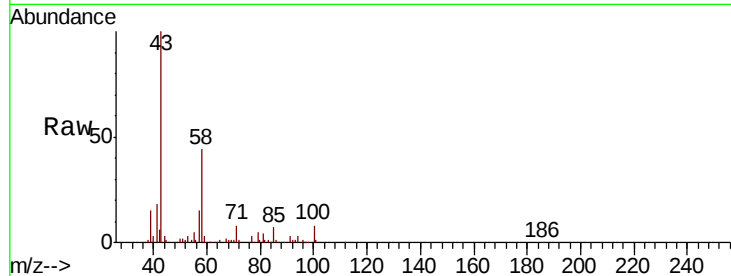
#51
2-Hexanone
Concen: 1.134 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.1	38.7	58.1
98	1.5	0.2	0.4

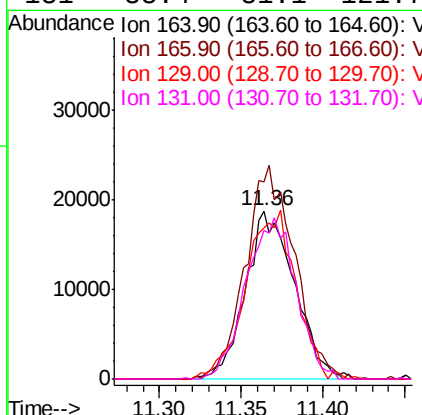
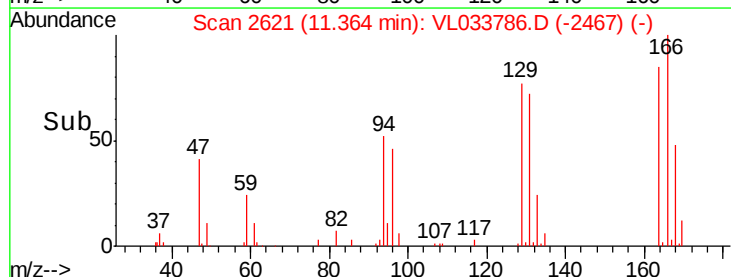
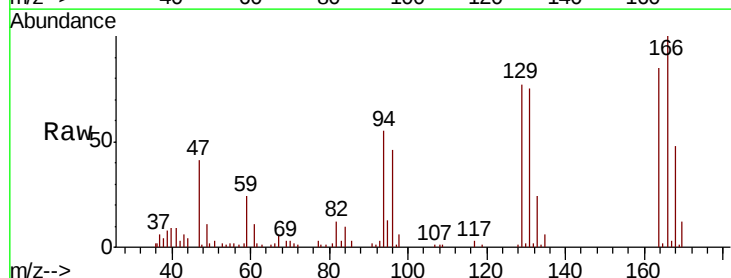
Manual Integrations
APPROVED

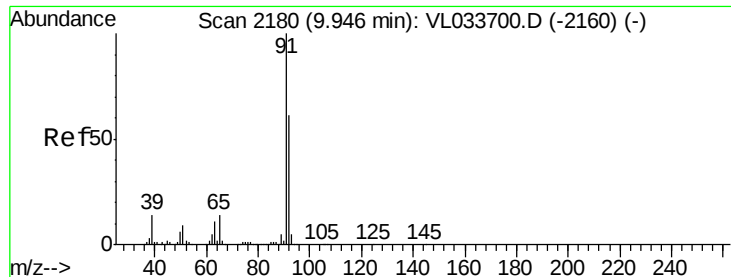
MMDadoda
5/28/2019 2:53:46 AM



#52
Tetrachloroethene
Concen: 0.518 ppbv m
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.4	98.9	148.3
129	89.9	81.8	122.6
131	88.4	81.1	121.7





#53

Toluene

Concen: 15.164 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3007-25

Tot Ion: 91 Resp: 3489463

Ion Ratio Lower Upper

91 100

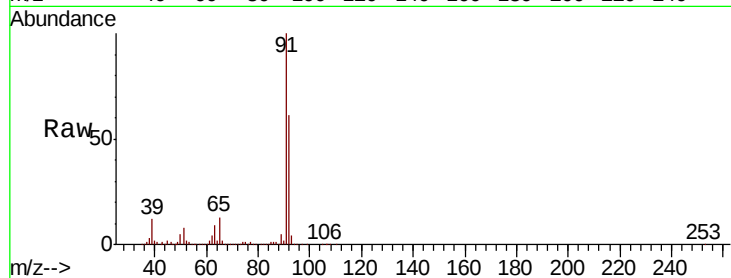
92 60.2 47.6 71.4

Manual Integrations

APPROVED

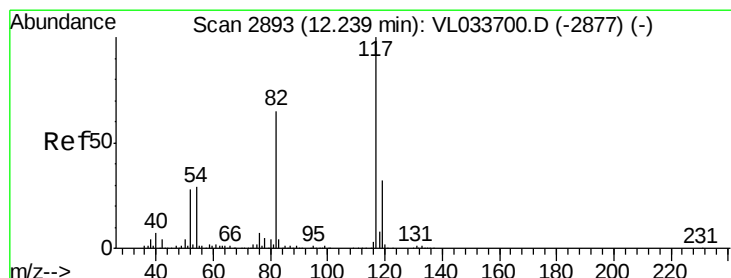
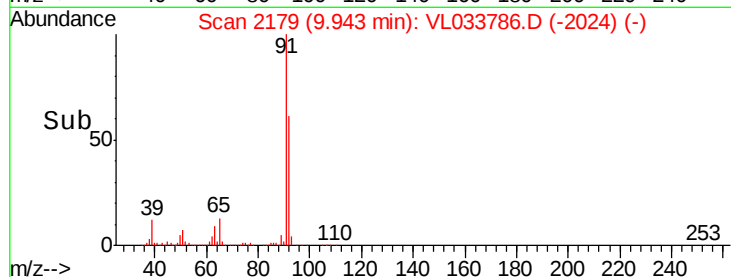
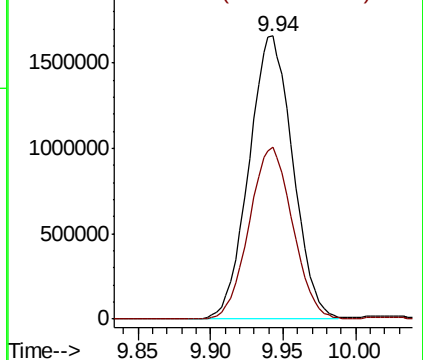
MMDadoda

5/28/2019 2:53:46 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

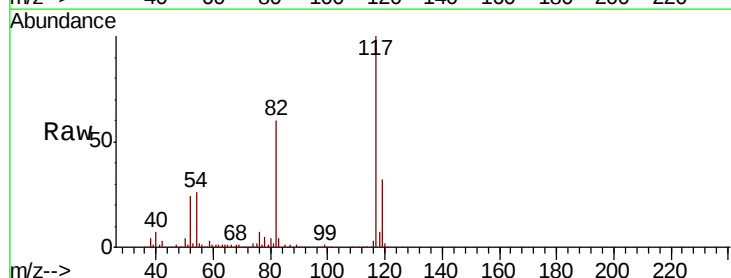
Tgt Ion: 117 Resp: 2328912

Ion Ratio Lower Upper

117 100

82 62.0 49.4 74.0

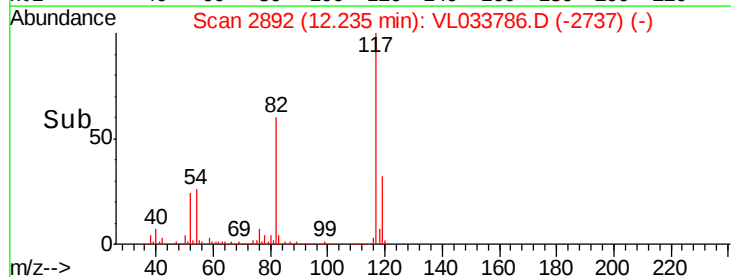
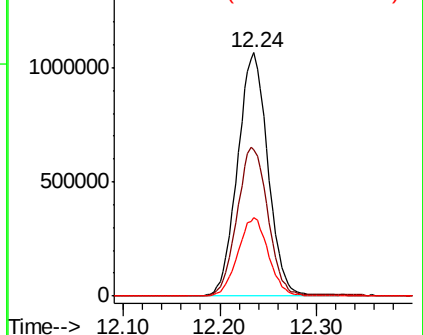
119 32.5 24.9 37.3

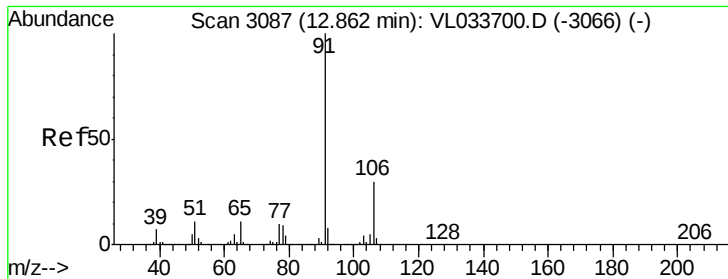


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





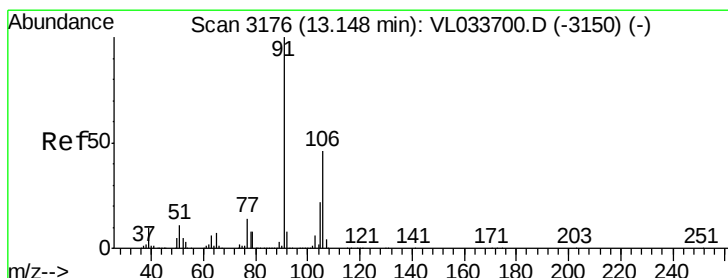
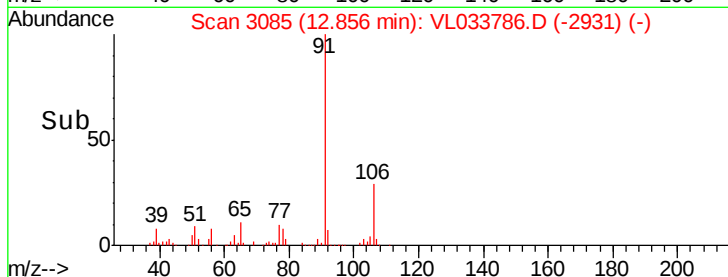
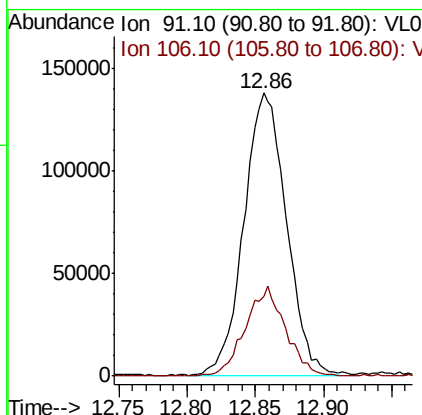
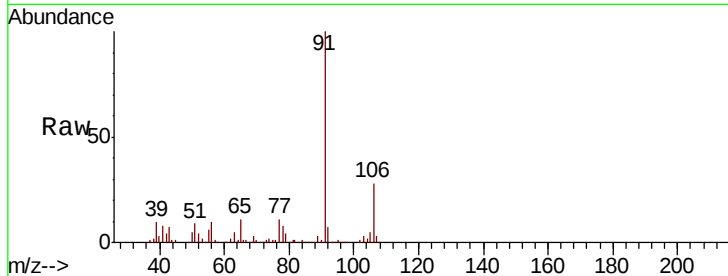
#58
Ethyl Benzene
Concen: 0.962 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25

Tot Ion: 91 Resp: 296716
Ion Ratio Lower Upper
91 100
106 28.5 23.9 35.9

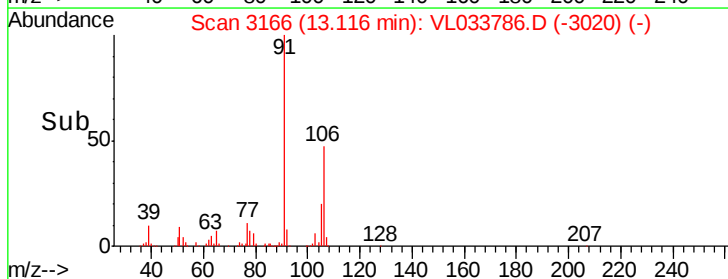
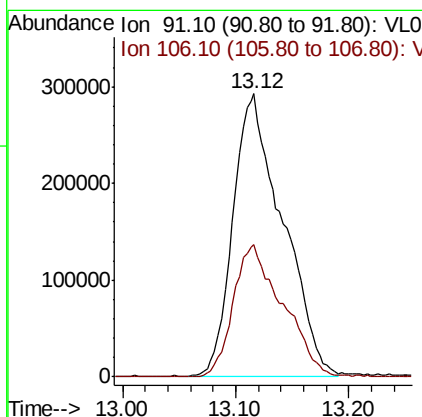
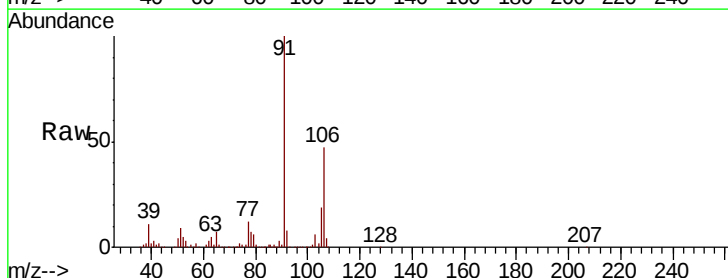
Manual Integrations
APPROVED

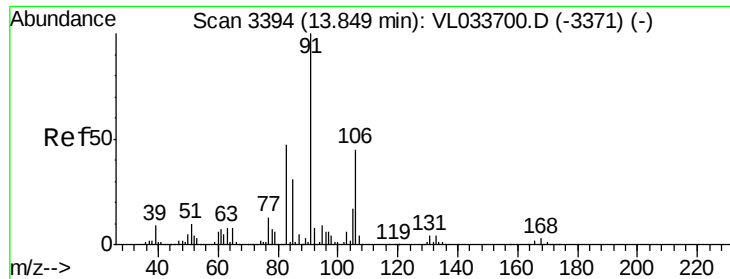
MMDadoda
5/28/2019 2:53:46 AM



#59
m/p-Xylene
Concen: 3.295 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Tgt Ion: 91 Resp: 888285
Ion Ratio Lower Upper
91 100
106 46.8 35.8 53.6





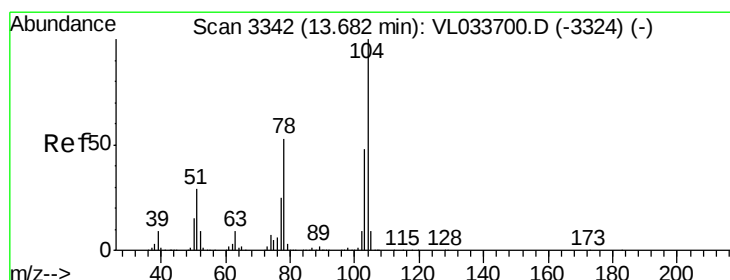
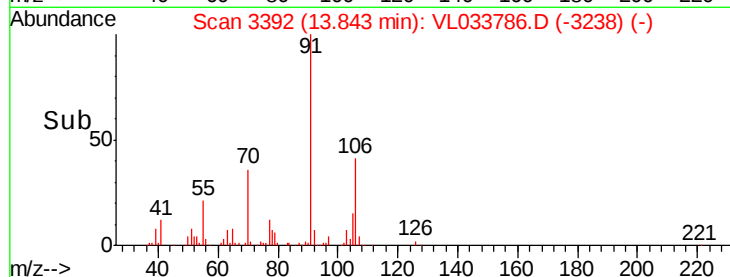
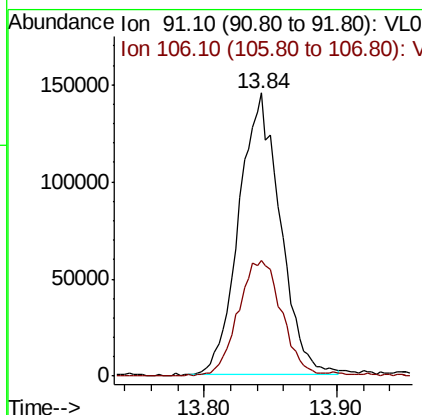
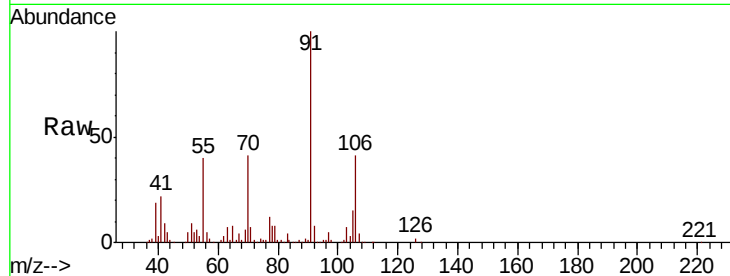
#60
o-Xylene
Concen: 1.152 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3007-25

Tot Ion: 91 Resp: 313034
Ion Ratio Lower Upper
91 100
106 44.5 21.6 64.8

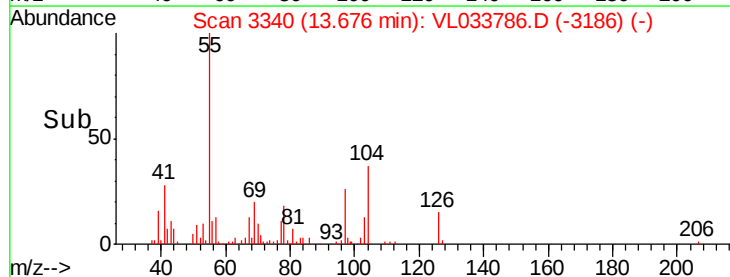
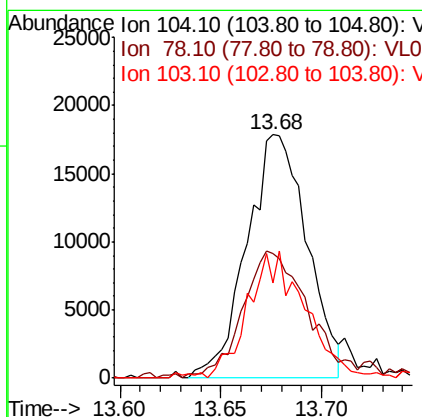
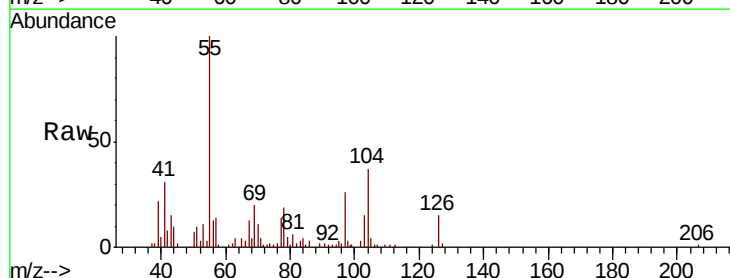
Manual Integrations
APPROVED

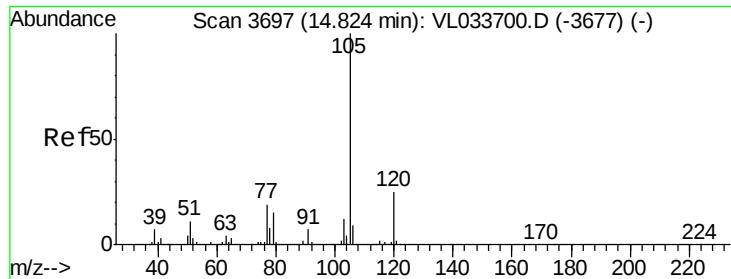
MMDadoda
5/28/2019 2:53:46 AM



#61
Styrene
Concen: 0.203 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033786.D
Acq: 23 May 2019 23:24

Tgt Ion: 104 Resp: 37219
Ion Ratio Lower Upper
104 100
78 60.7 42.6 64.0
103 50.5 37.8 56.6





#62

Isopropylbenzene

Concen: 0.065 ppbv m

RT: 14.81 min Scan# 3694

Delta R.T. -0.01 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

ClientSampled :

BPS1-SG-3007-25

Tot Ion:105 Resp: 23808

Ion Ratio Lower Upper

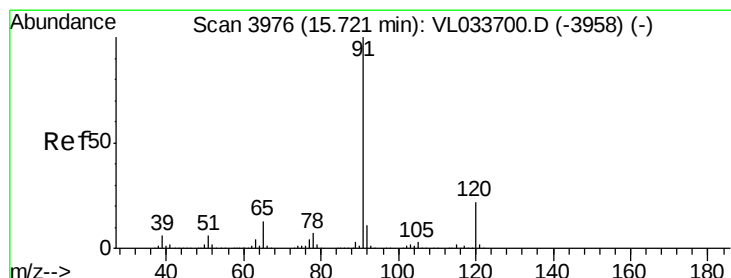
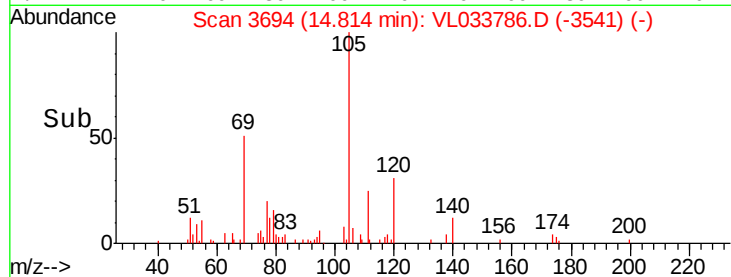
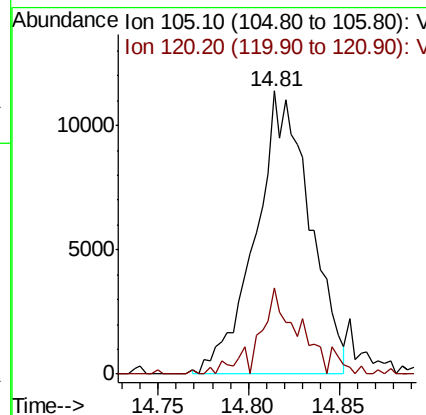
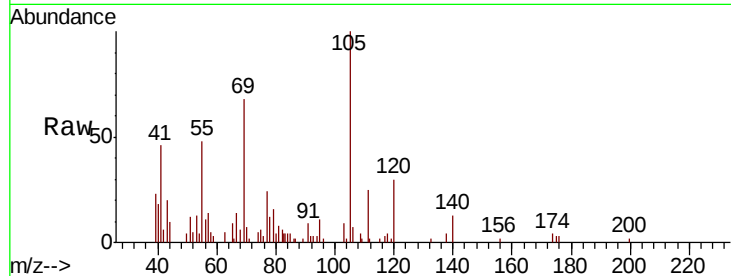
105 100

120 0.0 20.1 30.1#

Manual Integrations
APPROVED

MMDadoda

5/28/2019 2:53:46 AM



#64

n-propylbenzene

Concen: 0.245 ppbv m

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033786.D

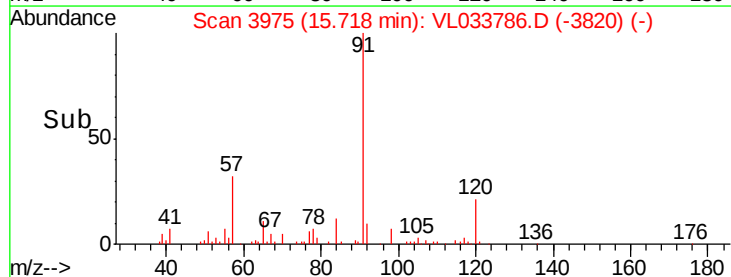
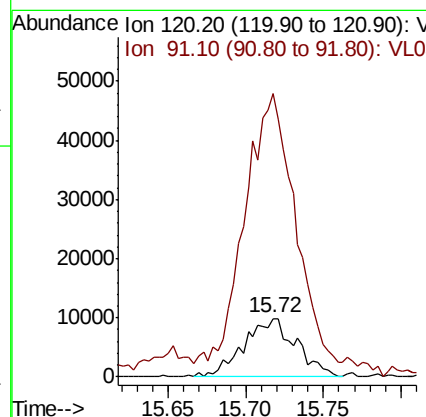
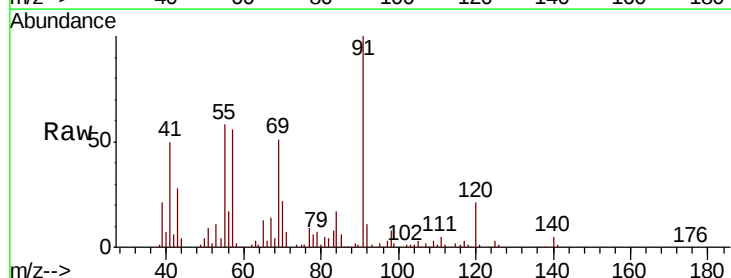
Acq: 23 May 2019 23:24

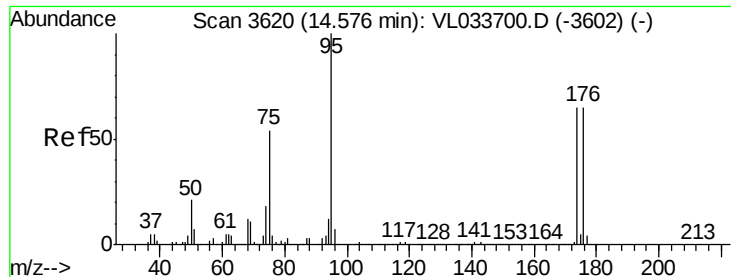
Tgt Ion:120 Resp: 23215

Ion Ratio Lower Upper

120 100

91 509.3 379.1 568.7





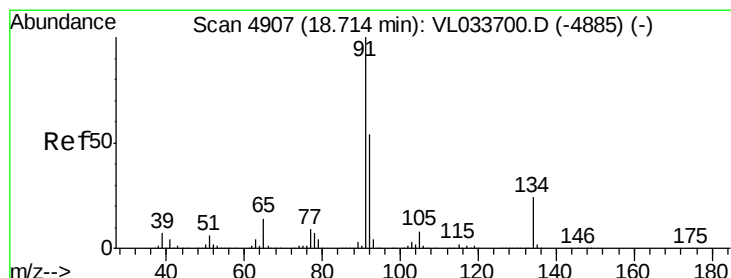
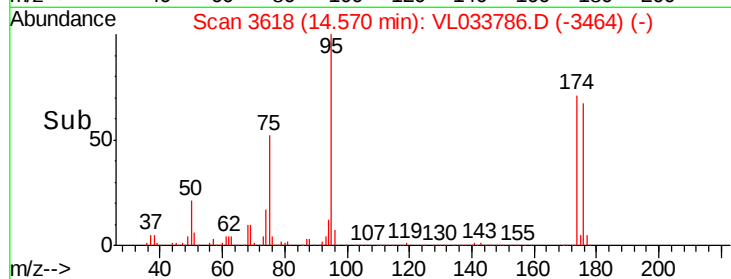
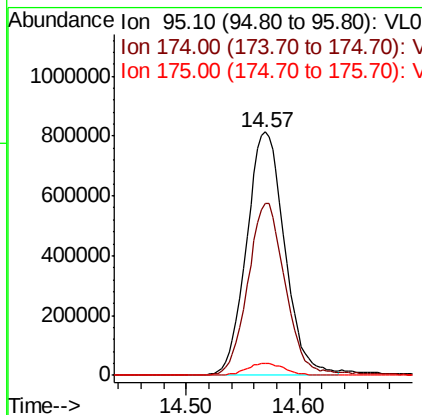
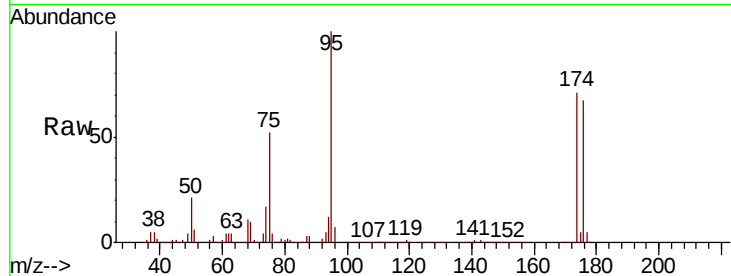
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.098 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033786.D
 Acq: 23 May 2019 23:24

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3007-25

Tot Ion: 95 Resp: 1906464
 Ion Ratio Lower Upper
 95 100
 174 70.4 53.9 80.9
 175 5.0 3.8 5.8

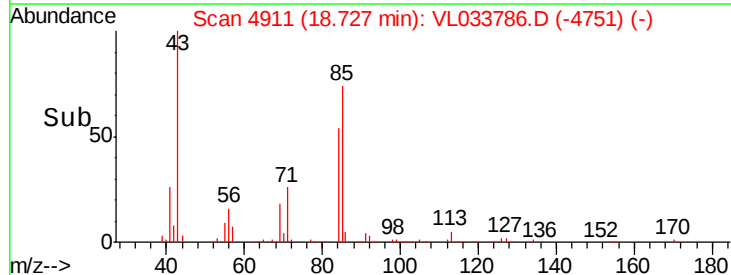
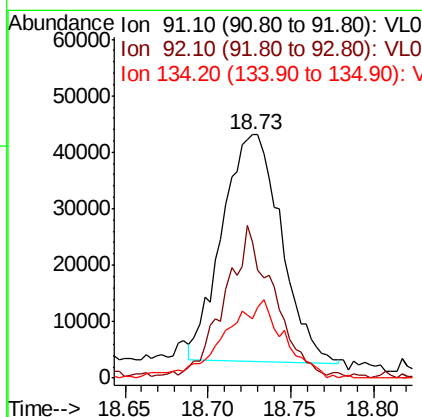
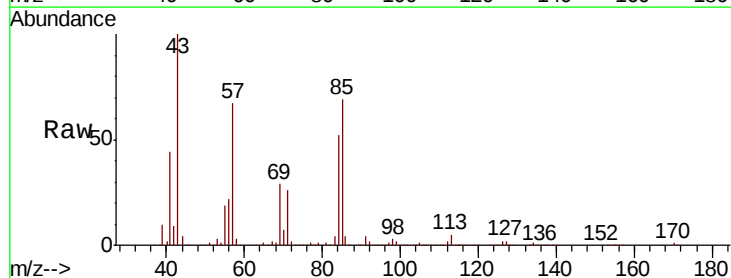
Manual Integrations
 APPROVED

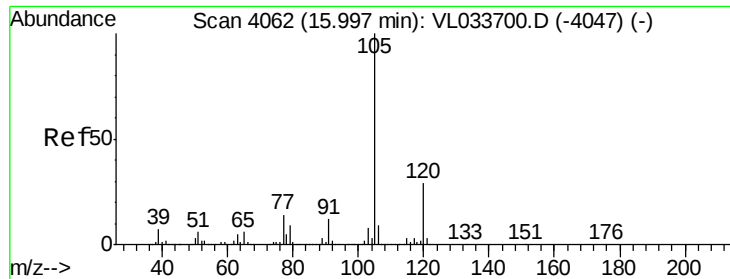
MMDadoda
 5/28/2019 2:53:46 AM



#70
 n-Butylbenzene
 Concen: 0.240 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.01 min
 Lab File: VL033786.D
 Acq: 23 May 2019 23:24

Tgt Ion: 91 Resp: 99390
 Ion Ratio Lower Upper
 91 100
 92 57.0 42.6 63.8
 134 35.7 18.1 27.1#





#72

4-Ethyltoluene

Concen: 0.328 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

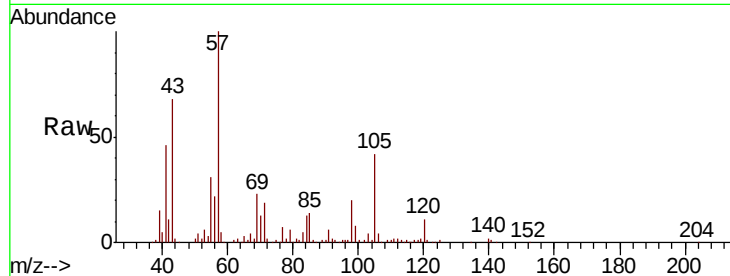
ClientSampleId :

BPS1-SG-3007-25

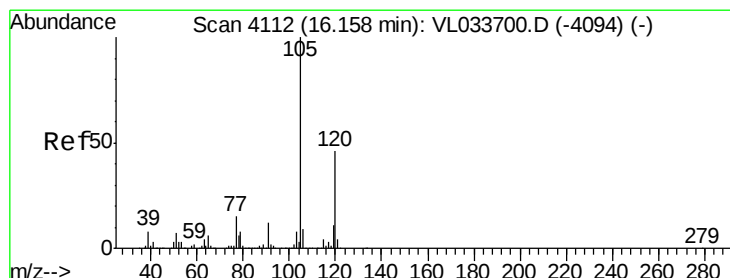
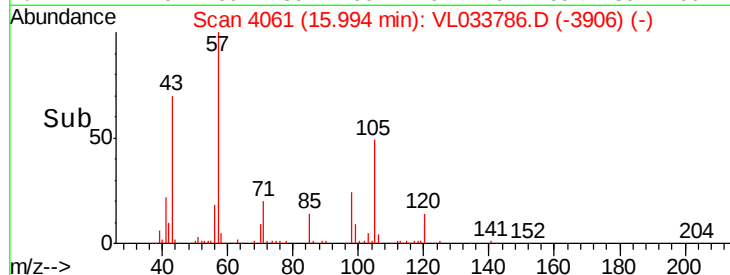
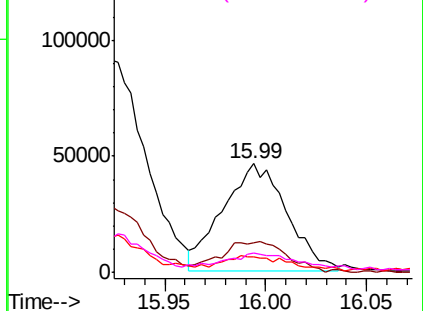
Tot Ion	Ratio	Resp	Lower	Upper
105	100	101778		
120	30.6	23.1	34.7	
91	15.7	10.4	15.6	
77	17.7	11.0	16.6	

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:53:46 AM



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



#73

1,3,5-Trimethylbenzene

Concen: 0.214 ppbv

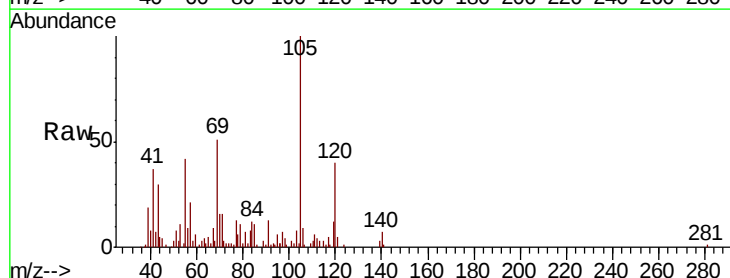
RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

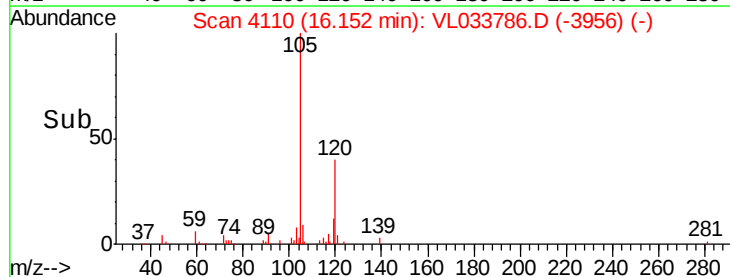
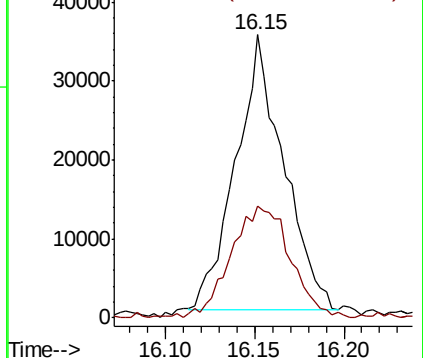
Lab File: VL033786.D

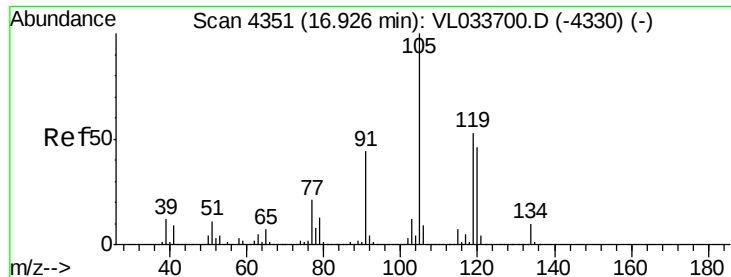
Acq: 23 May 2019 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	64878		
120	44.6	37.0	55.4	



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: 0.684 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

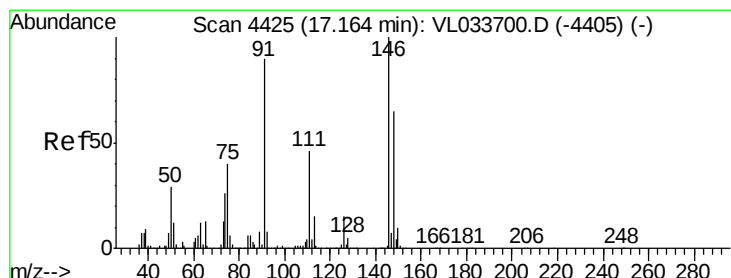
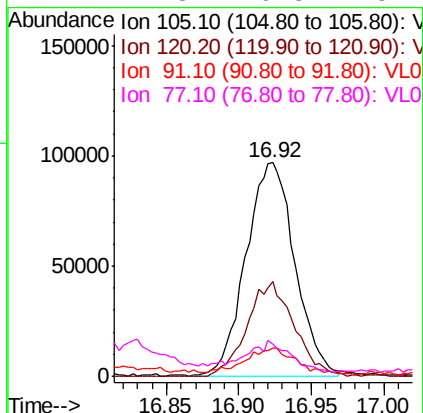
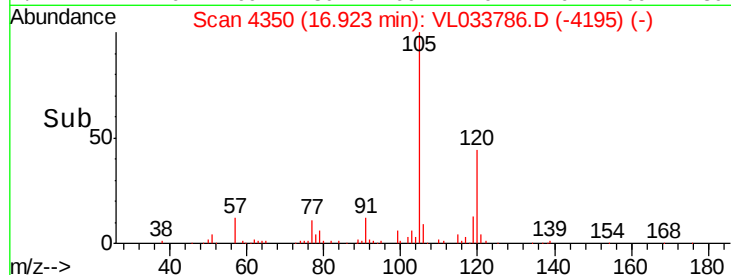
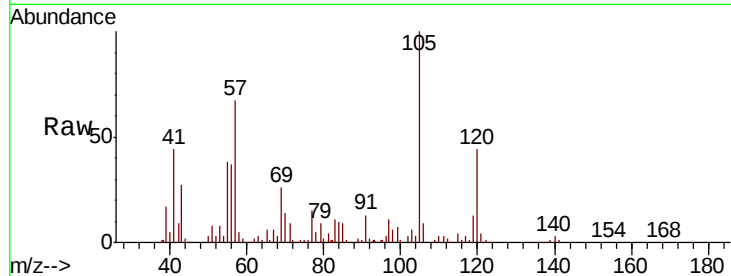
ClientSampleId :

BPS1-SG-3007-25

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	44.1	36.8	55.2
91	12.2	35.4	53.0#
77	12.3	16.8	25.2#

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:53:46 AM



#75

1,3-Dichlorobenzene

Concen: 0.226 ppbv m

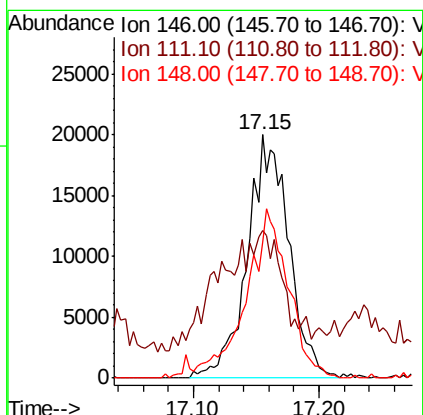
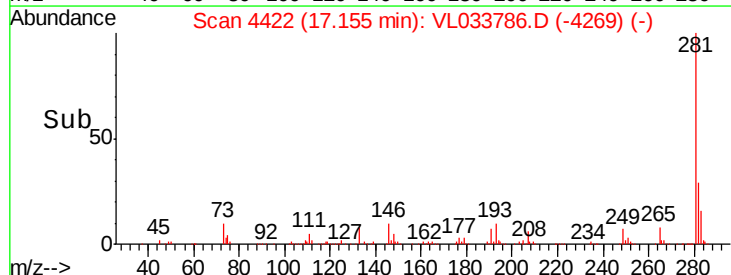
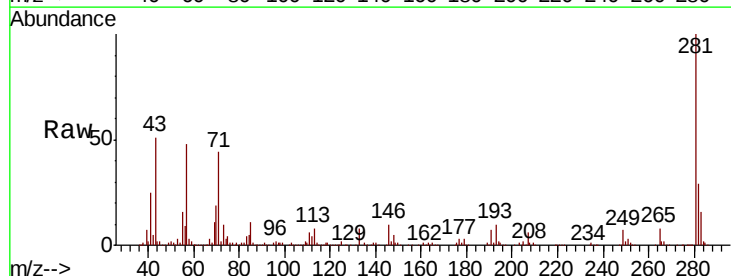
RT: 17.15 min Scan# 4422

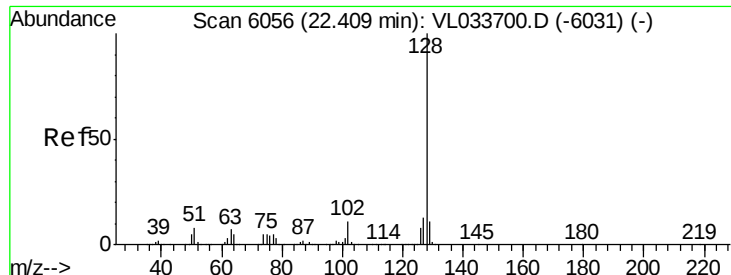
Delta R.T. -0.01 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	103.9	22.9	68.8#
148	0.0	32.0	96.2#





#79

Naphthalene

Concen: 0.168 ppbv m

RT: 22.41 min Scan# 6058

Delta R.T. 0.01 min

Lab File: VL033786.D

Acq: 23 May 2019 23:24

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3007-25

Tot Ion:	128	Resp:	51554
Ion Ratio	Lower	Upper	
128	100		
127	20.1	10.6	16.0#
129	10.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/28/2019 2:53:46 AM

