

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034218.D
 Acq On : 2 Oct 2019 19:51
 Operator : SY/AP
 Sample : K5106-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:30:26 PM

Quant Time: Oct 04 02:28:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	920802	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1716984	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1741449	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1506791	9.96	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	45629	0.335	ppbv	89
3) Chlorodifluoromethane	2.96	51	24394m	0.226	ppbv	
4) Chloromethane	3.12	50	17242	0.272	ppbv	98
5) Vinyl Chloride	3.24	62	4564m	0.079	ppbv	
9) Propene	2.99	41	1604647	30.125	ppbv	92
10) Heptane	8.18	43	120261	0.866	ppbv	95
11) Trichlorofluoromethane	3.95	101	31657	0.256	ppbv	98
13) Ethanol	3.60	45	201255	15.603	ppbv	94
15) Acetone	3.85	43	3084765m	24.996	ppbv	
17) tert-Butyl alcohol	4.30	59	339872	4.346	ppbv	100
19) Isopropyl Alcohol	3.98	45	136527	1.799	ppbv #	95
20) Methylene Chloride	4.36	84	153651	4.318	ppbv	93
26) Hexane	5.72	57	508973	5.243	ppbv #	52
27) Carbon Disulfide	4.56	76	227648	2.543	ppbv #	92
29) Chloroform	5.78	83	29989m	0.216	ppbv	
30) Cyclohexane	7.17	84	80189m	1.144	ppbv	
34) 2-Butanone	5.26	43	826695	4.715	ppbv	97
35) Carbon Tetrachloride	7.07	117	5227m	0.037	ppbv	
36) Benzene	6.93	78	110933	0.585	ppbv #	89
38) Trichloroethene	7.89	130	5110m	0.075	ppbv	
41) Tetrahydrofuran	6.09	42	14290m	0.145	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	83560	0.229	ppbv #	46
50) 4-Methyl-2-Pentanone	8.81	43	64288m	0.252	ppbv	
51) 2-Hexanone	10.19	43	76857m	0.359	ppbv	
52) Tetrachloroethene	11.29	164	494447	7.892	ppbv	96
53) Toluene	9.86	91	871042	4.203	ppbv	98
58) Ethyl Benzene	12.78	91	134182m	0.478	ppbv	
59) m/p-Xylene	13.04	91	347877	1.495	ppbv	99
60) o-Xylene	13.77	91	155266m	0.667	ppbv	
61) Styrene	13.60	104	23740m	0.142	ppbv	
64) n-propylbenzene	15.63	120	13499m	0.177	ppbv	
69) p-Isopropyltoluene	17.74	119	30189m	0.099	ppbv	
72) 4-Ethyltoluene	15.92	105	64264	0.244	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.08	105	64210	0.253	ppbv	93
74) 1,2,4-Trimethylbenzene	16.84	105	215813	0.800	ppbv #	68
75) 1,3-Dichlorobenzene	17.07	146	16601m	0.115	ppbv	
79) Naphthalene	22.30	128	31706m	0.134	ppbv	

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

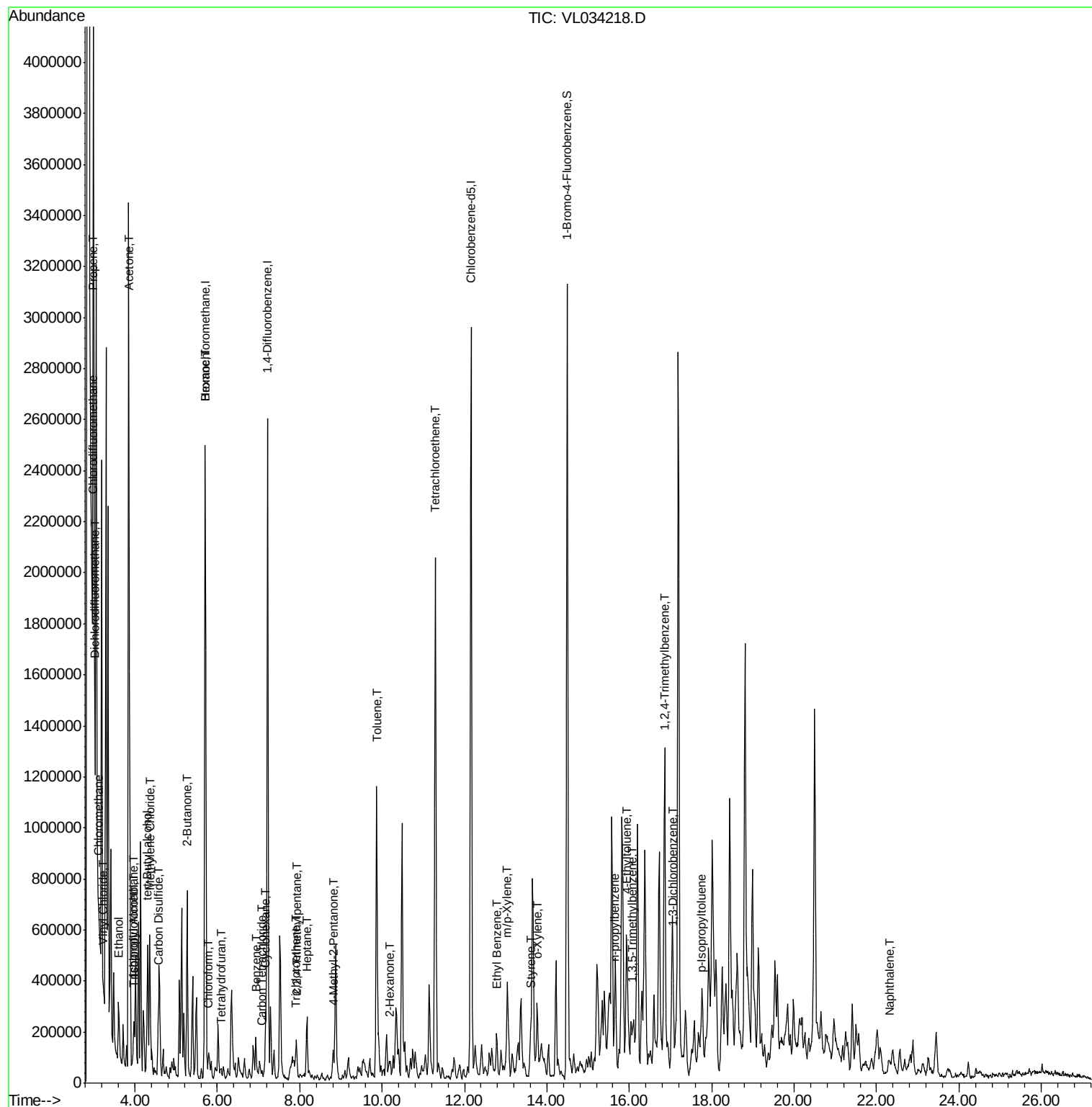
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL100219\
Data File : VL034218.D
Acq On : 2 Oct 2019 19:51
Operator : SY/AP
Sample : K5106-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

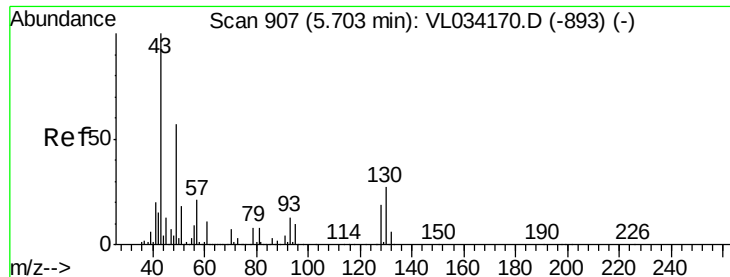
Instrument :
MSVOA_L
ClientSampleId :
SV-1

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM

Quant Time: Oct 04 02:28:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.00 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV-1

Tot Ion: 49 Resp: 920802

Ion Ratio Lower Upper

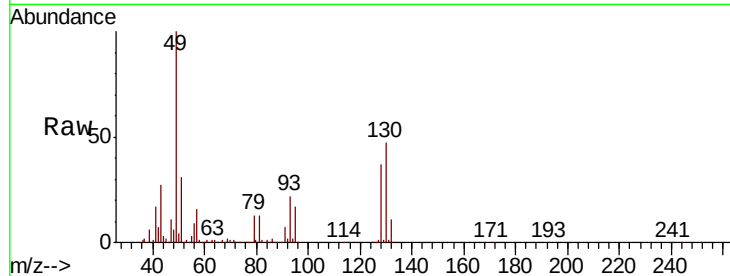
49 100

128 36.9 17.6 52.9

130 47.0 22.3 66.9

Manual Integrations
APPROVED

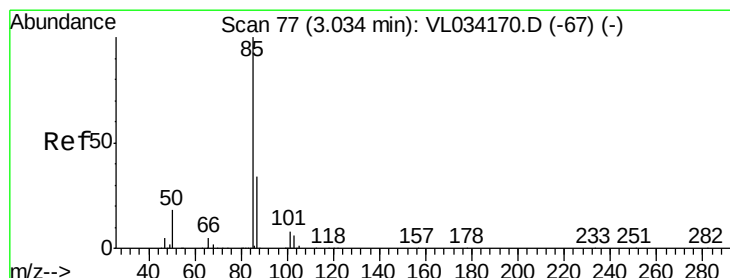
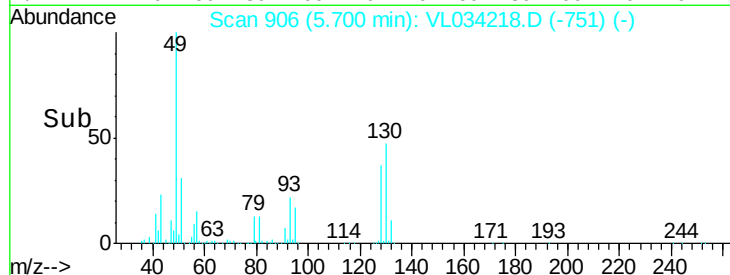
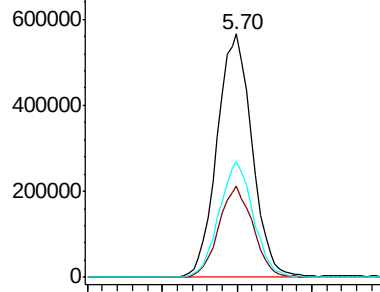
MMDadoda
10/7/2019 12:30:26 PM



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: 0.335 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034218.D

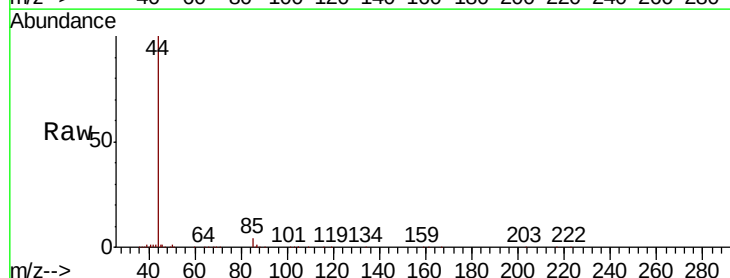
Acq: 2 Oct 2019 19:51

Tgt Ion: 85 Resp: 45629

Ion Ratio Lower Upper

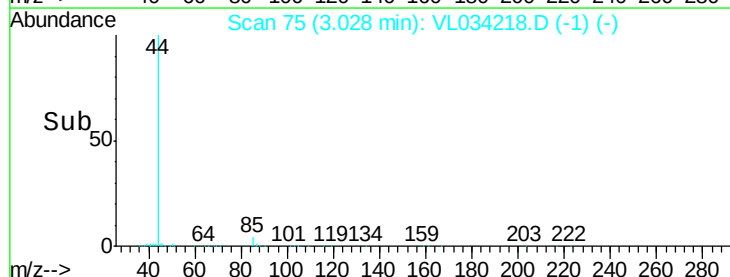
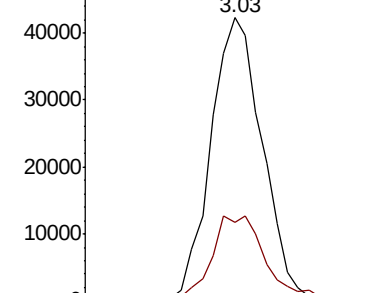
85 100

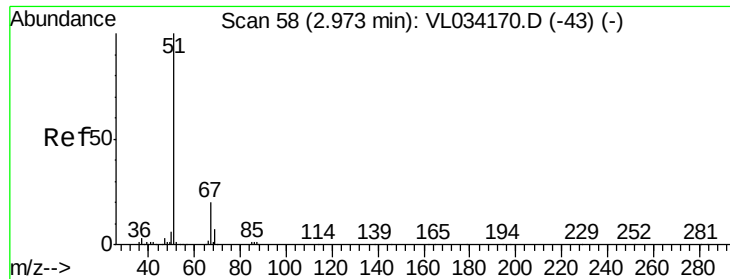
87 27.6 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.226 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV-1

Tot Ion: 51 Resp: 24394

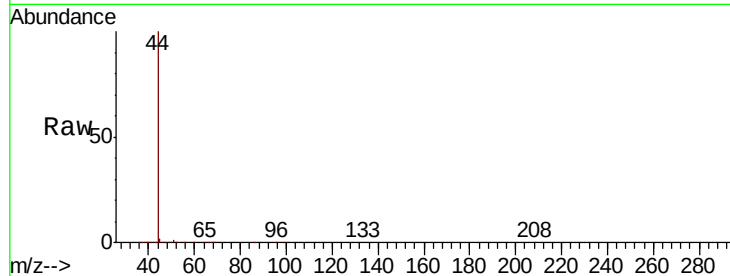
Ion Ratio Lower Upper

51 100

67 17.2 14.8 22.2

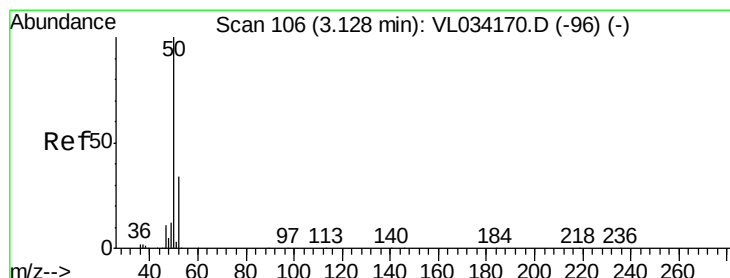
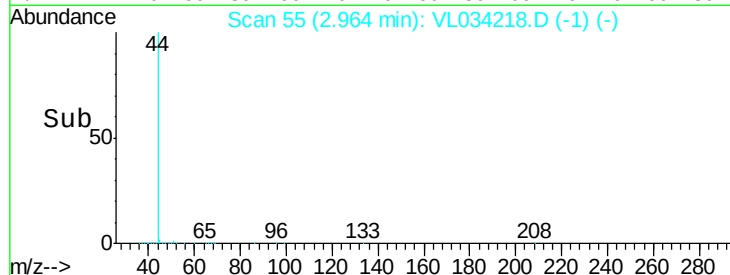
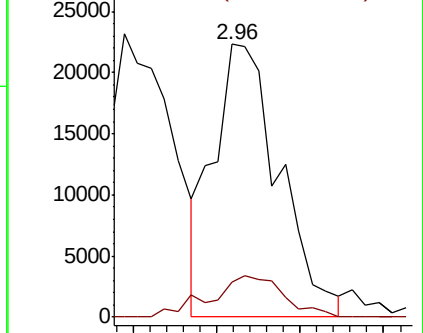
Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.272 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034218.D

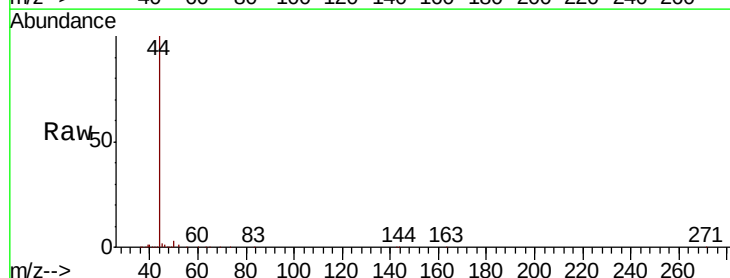
Acq: 2 Oct 2019 19:51

Tgt Ion: 50 Resp: 17242

Ion Ratio Lower Upper

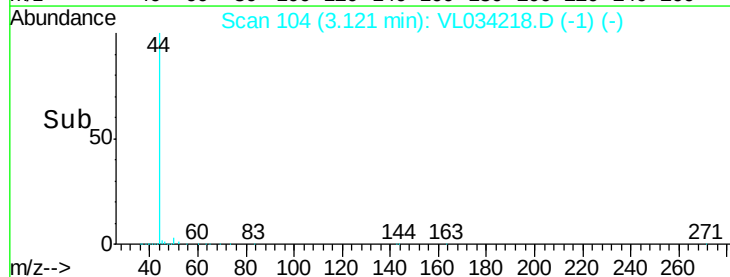
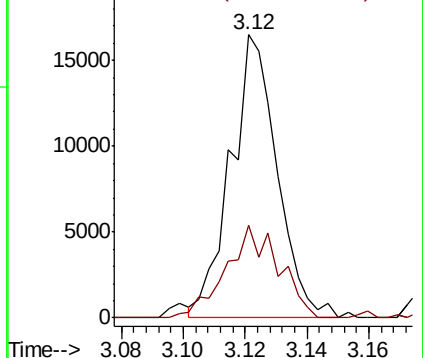
50 100

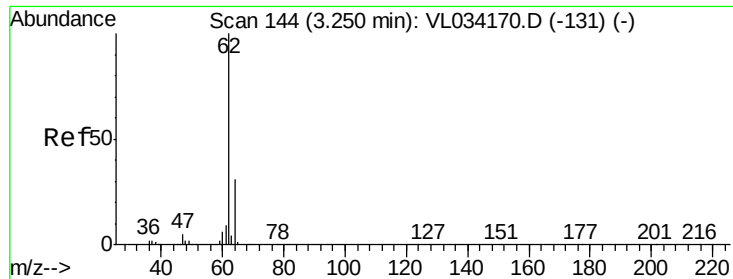
52 32.9 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.079 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV-1

Tot Ion: 62 Resp: 4564

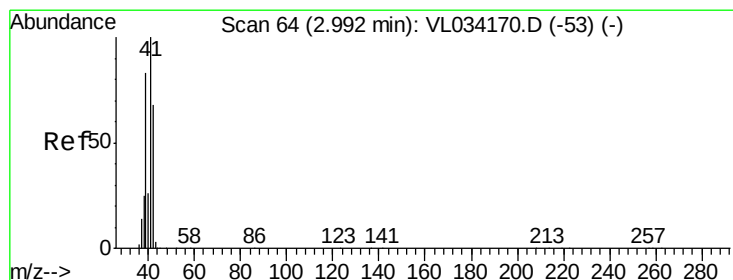
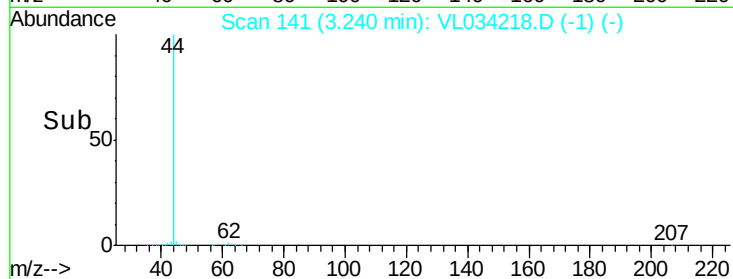
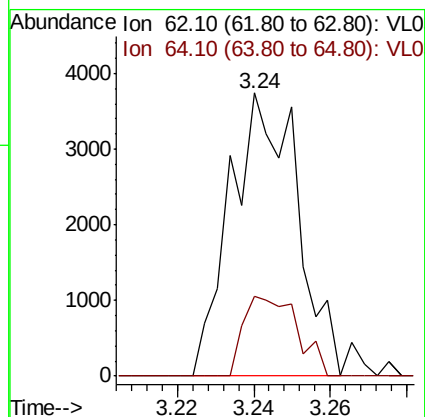
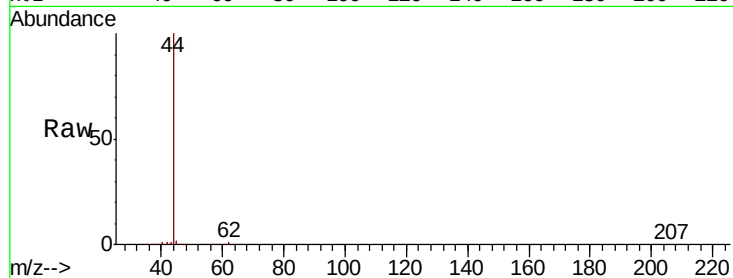
Ion Ratio Lower Upper

62 100

64 28.1 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM



#9

Propene

Concen: 30.125 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034218.D

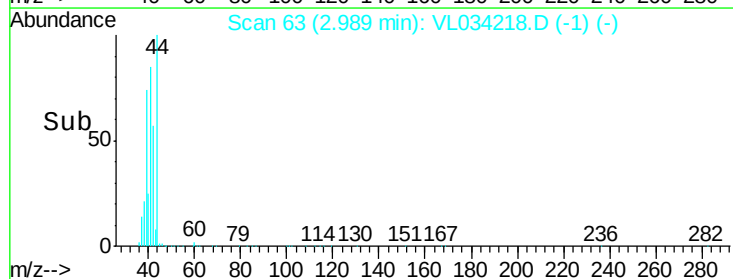
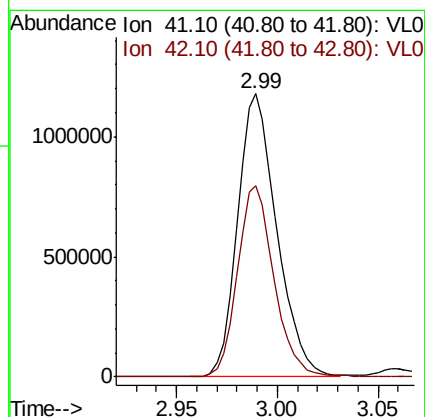
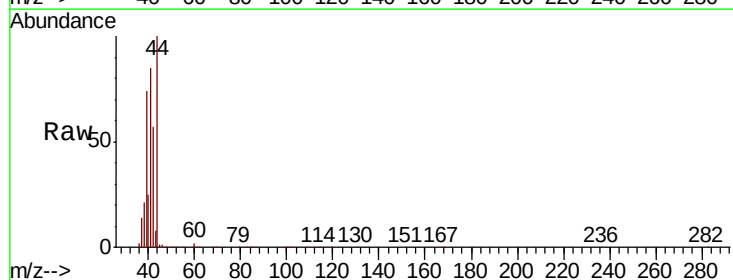
Acq: 2 Oct 2019 19:51

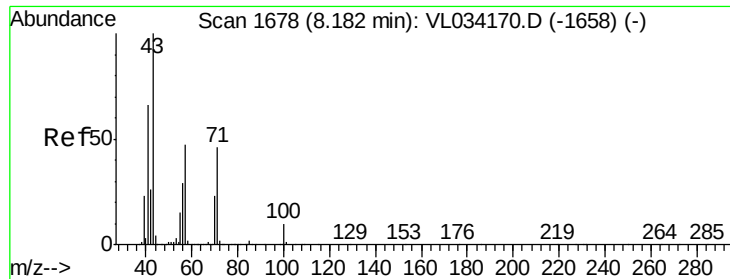
Tgt Ion: 41 Resp: 1604647

Ion Ratio Lower Upper

41 100

42 63.4 55.8 83.6





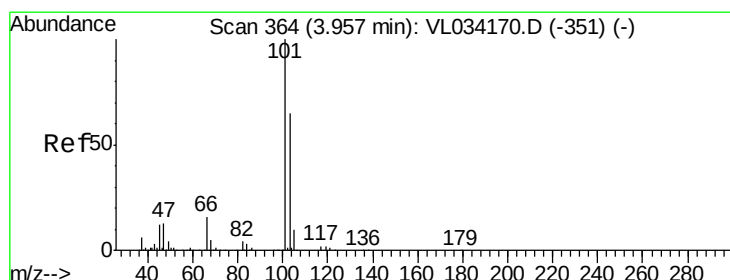
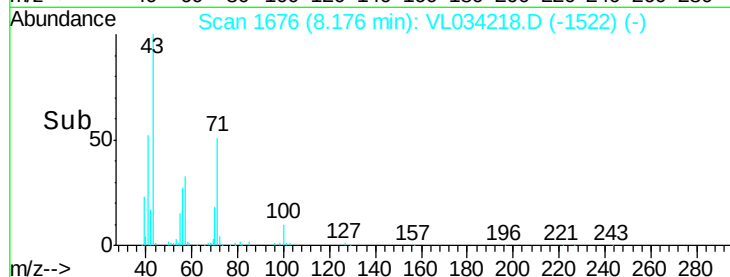
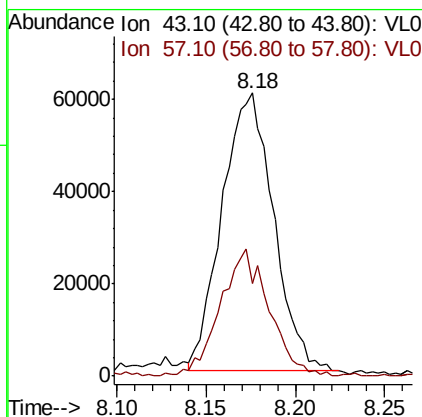
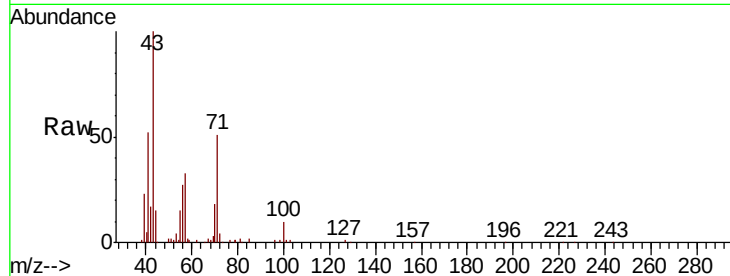
#10
 Heptane
 Concen: 0.866 ppbv
 RT: 8.18 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: VL034218.D
 Acq: 2 Oct 2019 19:51

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

Tot Ion	Ratio	Lower	Upper
43	100		
57	43.8	37.5	56.3

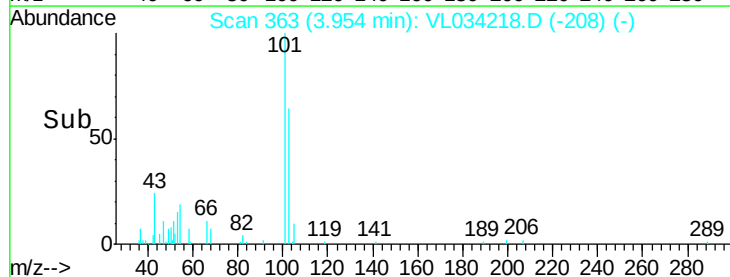
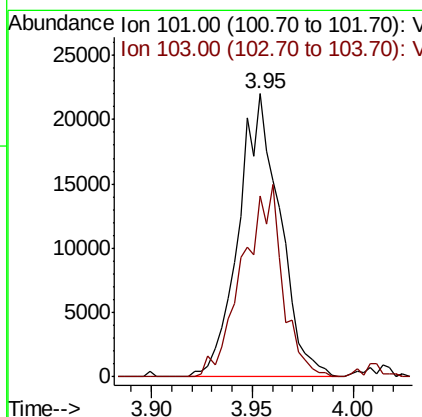
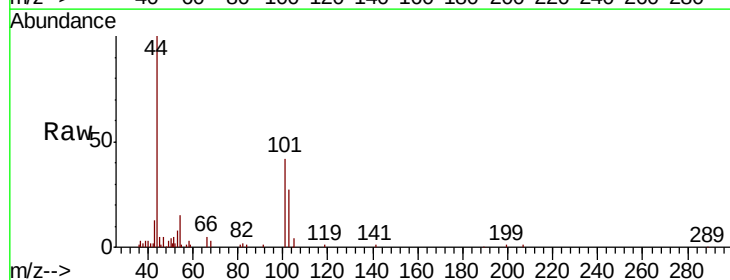
Manual Integrations
 APPROVED

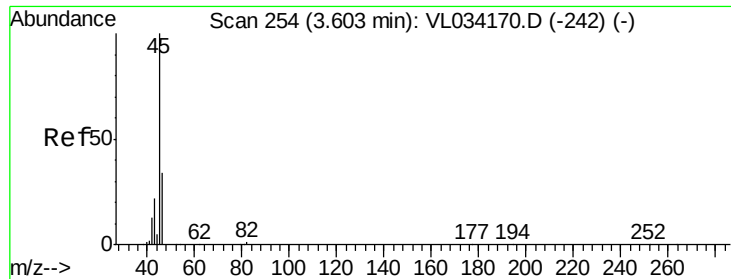
MMDadoda
 10/7/2019 12:30:26 PM



#11
 Trichlorofluoromethane
 Concen: 0.256 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VL034218.D
 Acq: 2 Oct 2019 19:51

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1





#13

Ethanol

Concen: 15.603 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV-1

Tot Ion: 45 Resp: 201255

Ion Ratio Lower Upper

45 100

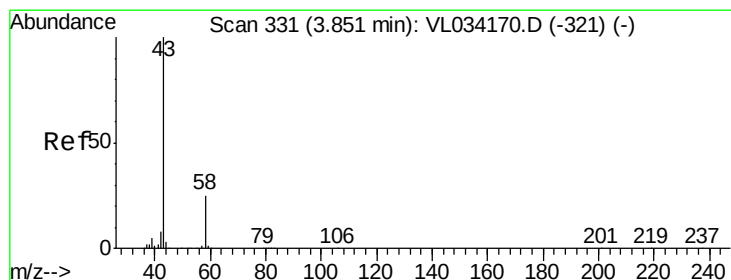
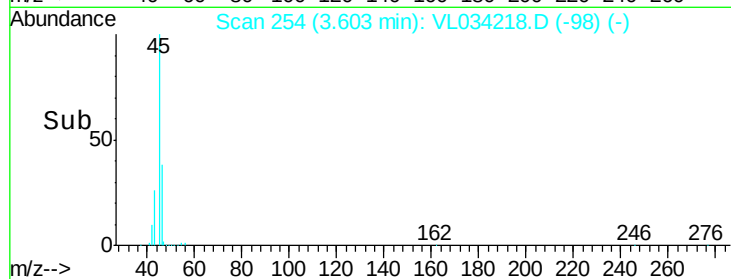
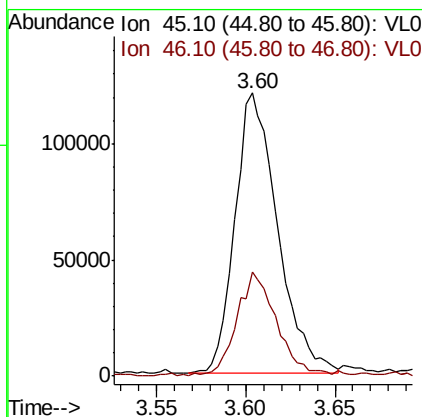
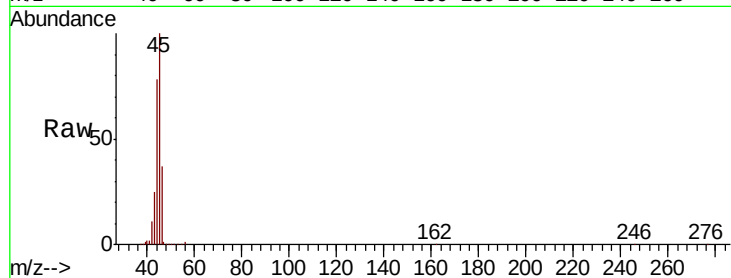
46 34.9 15.5 61.9

Manual Integrations

APPROVED

MMDadoda

10/7/2019 12:30:26 PM



#15

Acetone

Concen: 24.996 ppbv m

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034218.D

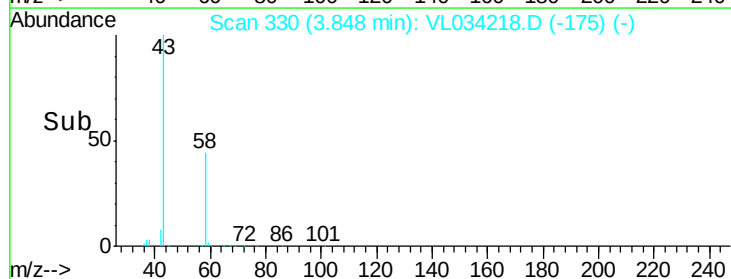
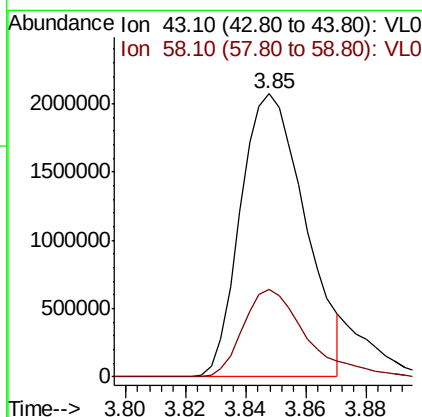
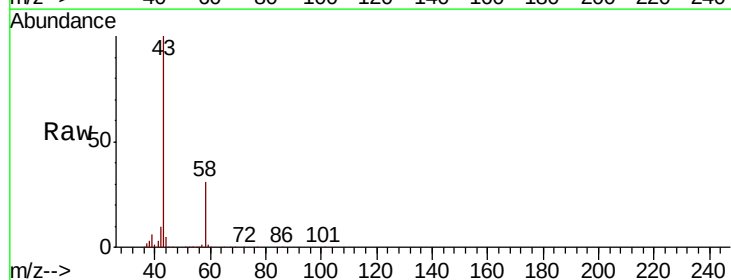
Acq: 2 Oct 2019 19:51

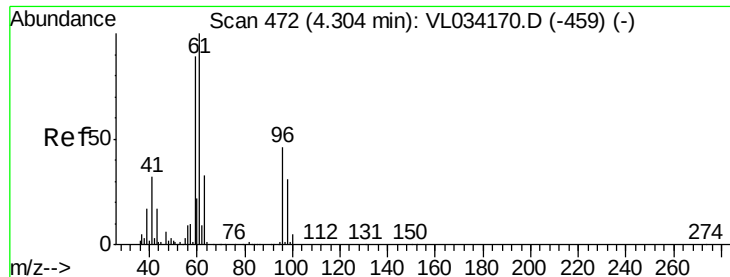
Tgt Ion: 43 Resp: 3084765

Ion Ratio Lower Upper

43 100

58 30.6 20.5 30.7





#17

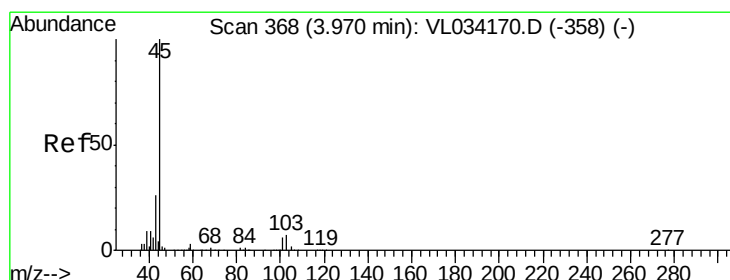
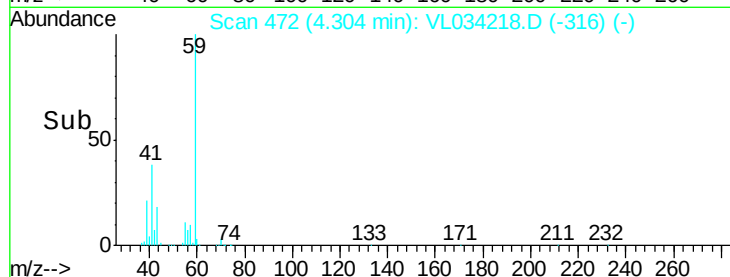
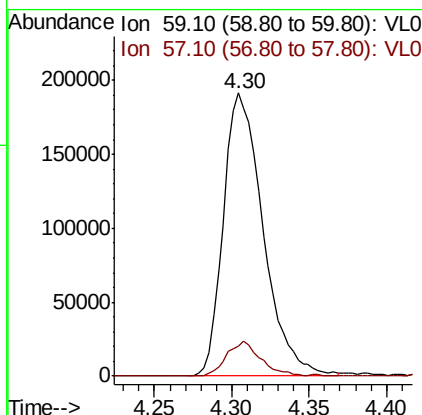
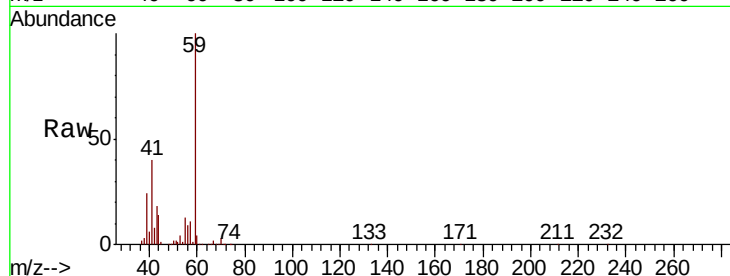
tert-Butyl alcohol
Concen: 4.346 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Instrument :
MSVOA_L
ClientSampled :
SV-1

Tot Ion: 59 Resp: 339872
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

Manual Integrations
APPROVED

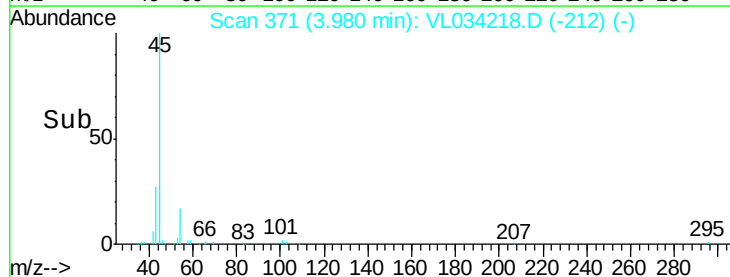
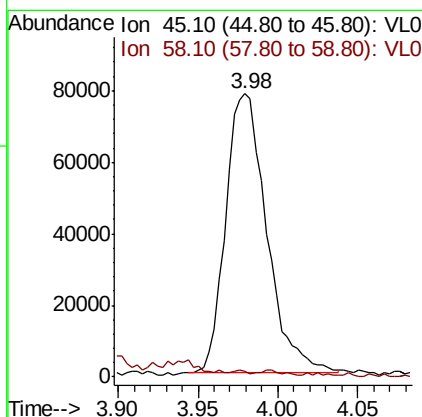
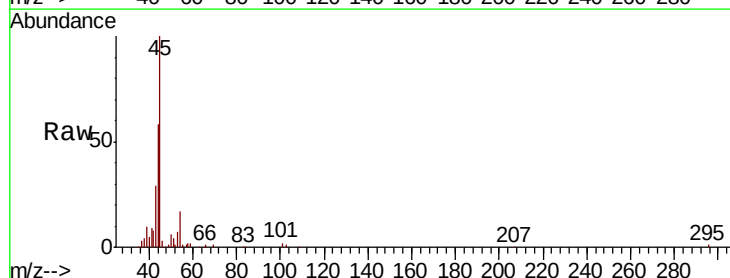
MMDadoda
10/7/2019 12:30:26 PM

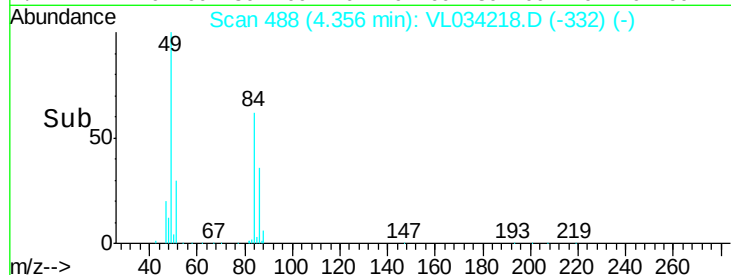
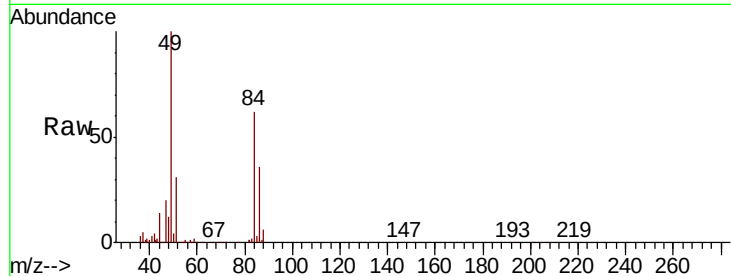
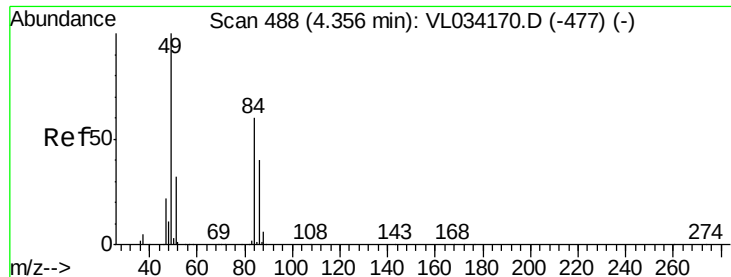


#19

Isopropyl Alcohol
Concen: 1.799 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Tgt Ion: 45 Resp: 136527
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#





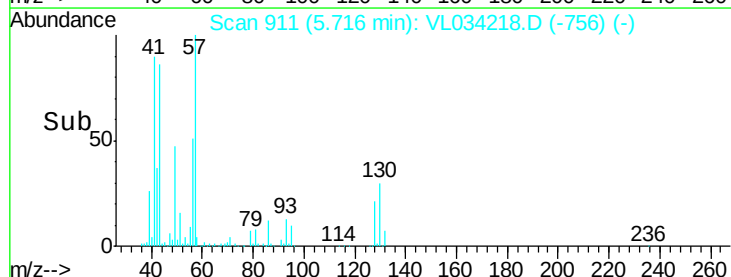
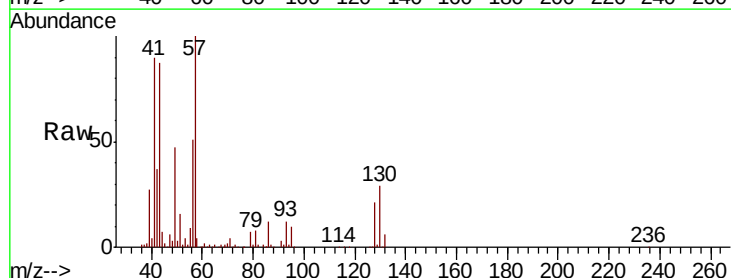
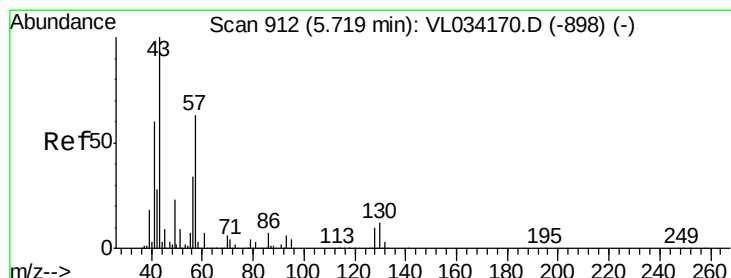
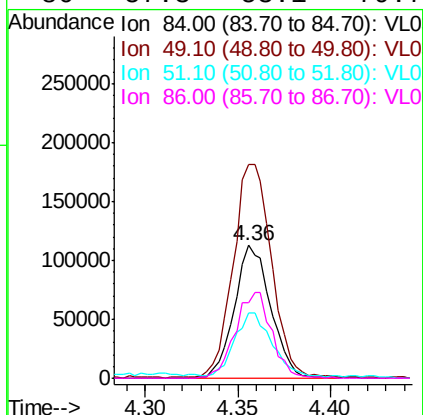
#20
Methylene Chloride
Concen: 4.318 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.00 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	160.4	133.8	200.8	
51	47.8	43.6	65.4	
86	57.3	53.1	79.7	

Instrument :
MSVOA_L
ClientSampled :
SV-1

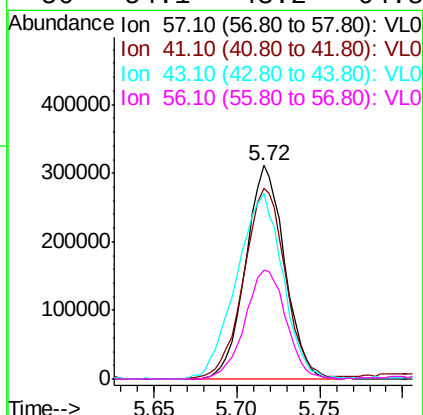
Manual Integrations
APPROVED

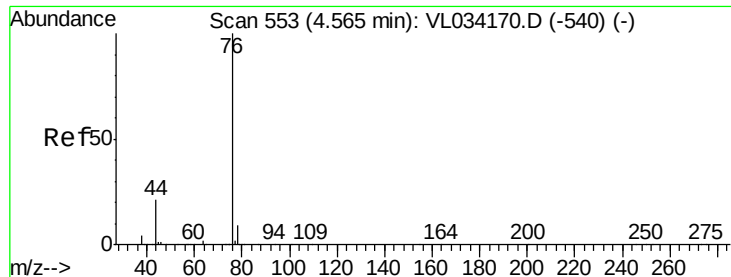
MMDadoda
10/7/2019 12:30:26 PM



#26
Hexane
Concen: 5.243 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	96.3	78.5	117.7	
43	105.9	189.5	284.3#	
56	54.1	43.2	64.8	





#27

Carbon Disulfide

Concen: 2.543 ppbv

RT: 4.56 min Scan# 552

Delta R.T. -0.00 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

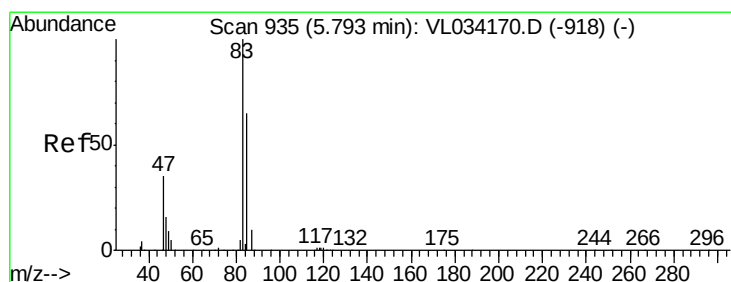
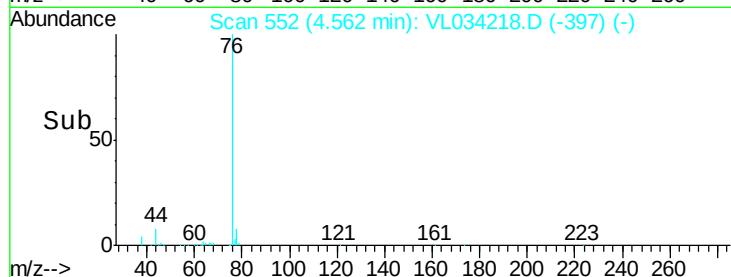
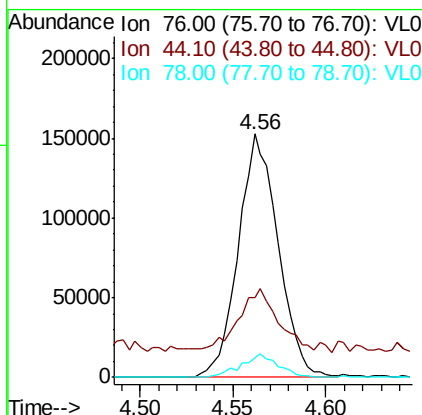
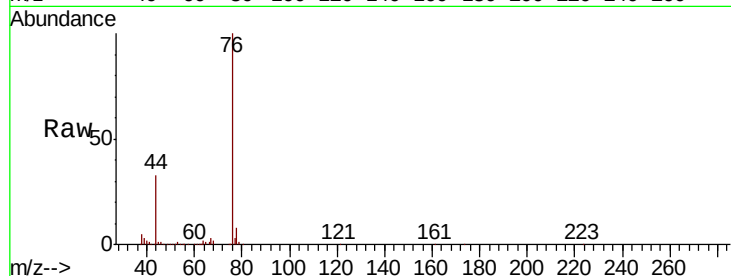
ClientSampleId :

SV-1

Tot Ion:	76	Resp:	227648
Ion Ratio	Lower	Upper	
76	100		
44	27.6	17.6	26.4#
78	9.2	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM



#29

Chloroform

Concen: 0.216 ppbv m

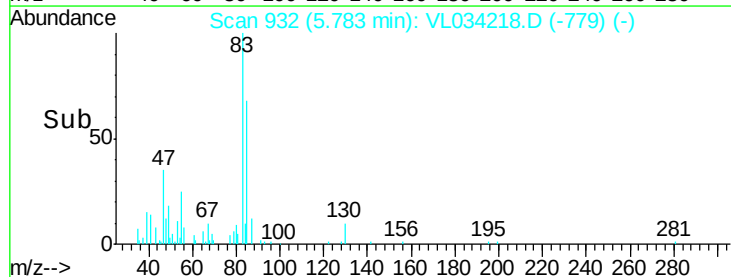
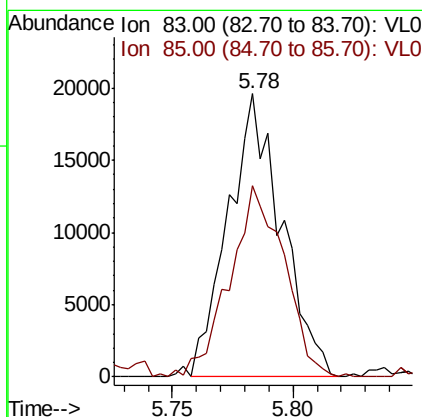
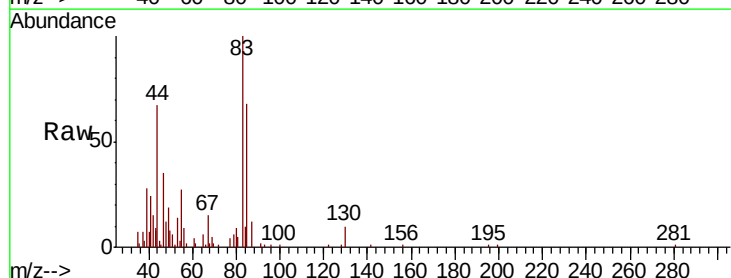
RT: 5.78 min Scan# 932

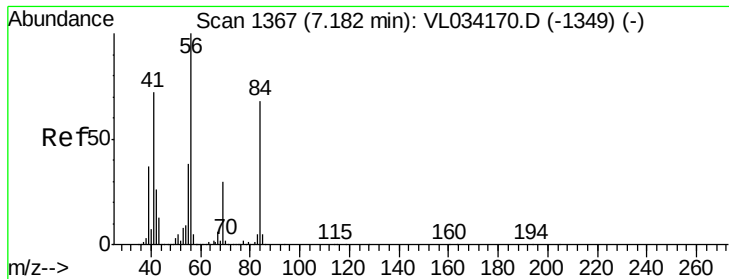
Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Tgt Ion:	83	Resp:	29989
Ion Ratio	Lower	Upper	
83	100		
85	67.7	52.3	78.5





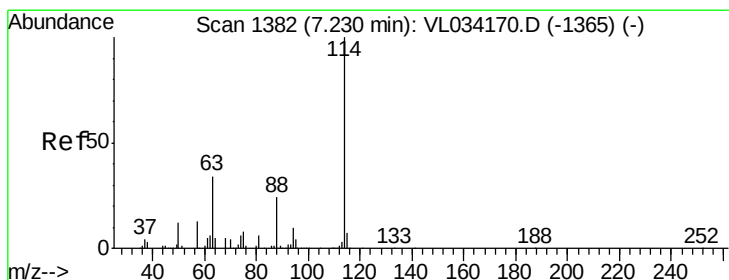
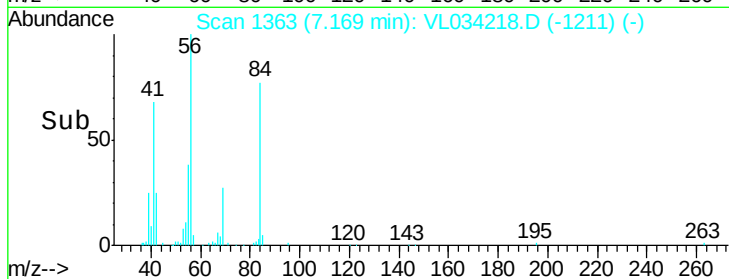
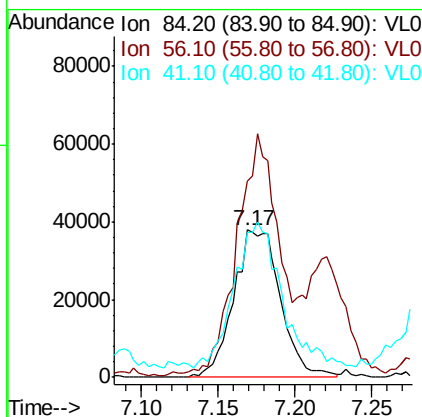
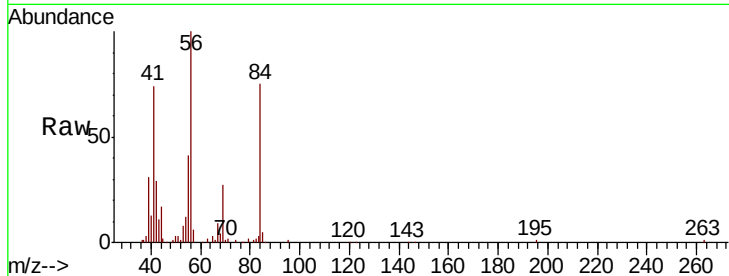
#30
Cyclohexane
Concen: 1.144 ppbv m
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Instrument :
MSVOA_L
ClientSampled :
SV-1

Tot Ion	Ratio	Lower	Upper
84	100		
56	160.5	126.2	189.2
41	120.2	85.8	128.8

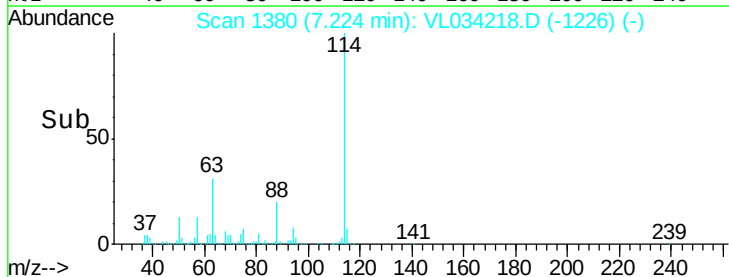
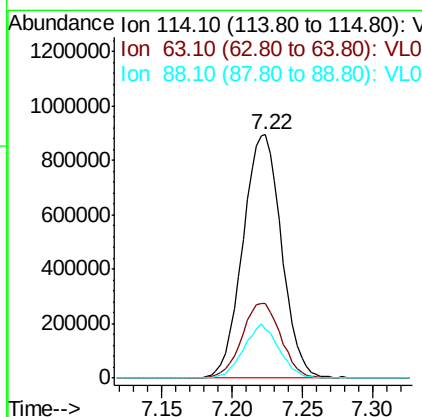
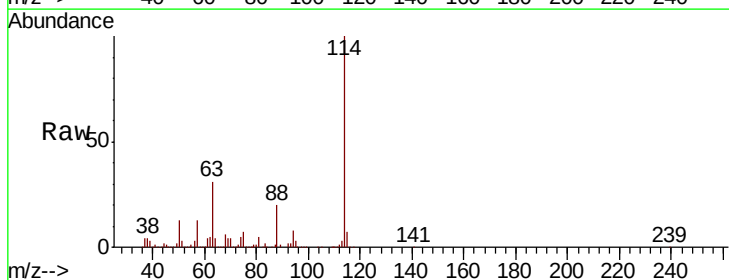
Manual Integrations
APPROVED

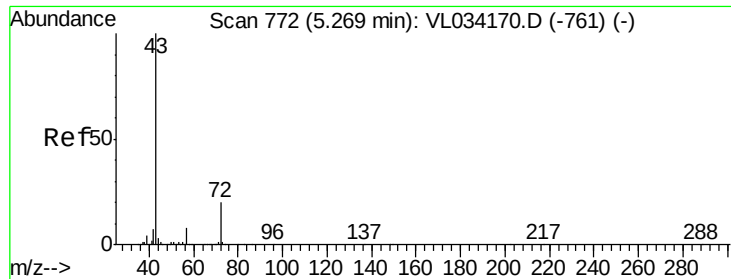
MMDadoda
10/7/2019 12:30:26 PM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.9	27.8	41.6
88	20.2	17.1	25.7





#34

2-Butanone

Concen: 4.715 ppbv

RT: 5.26 min Scan# 770

Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV-1

Tot Ion: 43 Resp: 826695

Ion Ratio Lower Upper

43 100

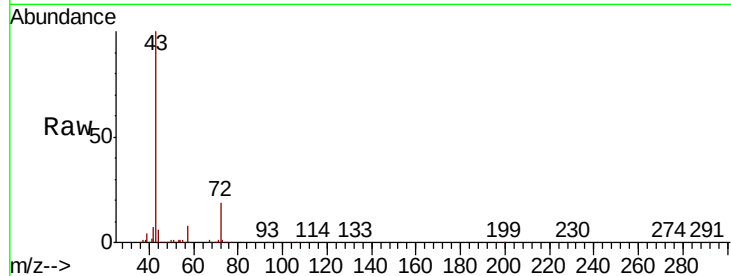
72 20.0 15.0 22.6

Manual Integrations

APPROVED

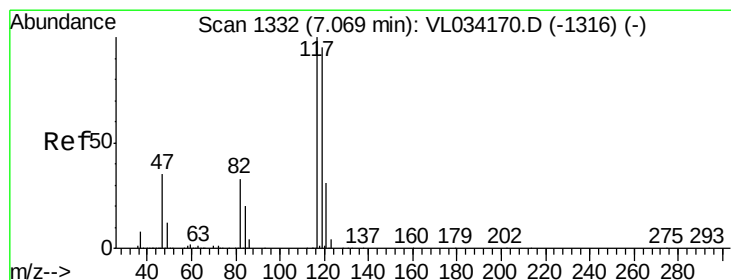
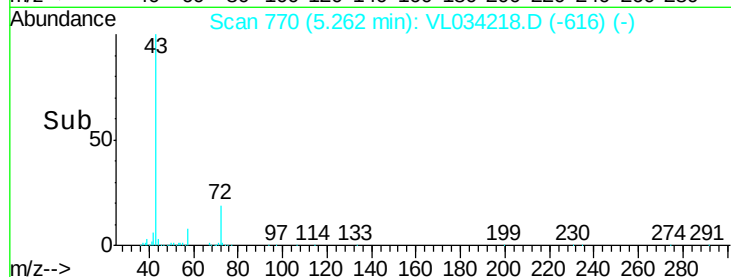
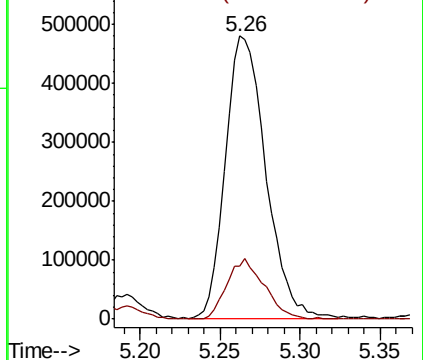
MMDadoda

10/7/2019 12:30:26 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.037 ppbv m

RT: 7.07 min Scan# 1333

Delta R.T. 0.00 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

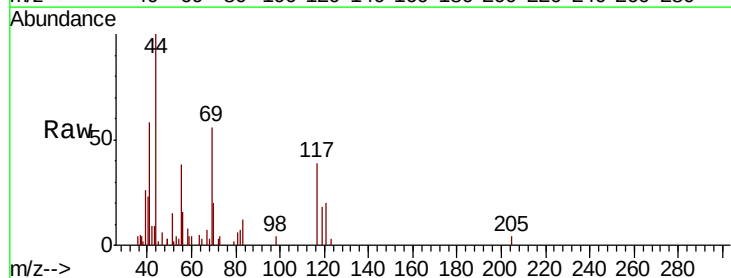
Tgt Ion: 117 Resp: 5227

Ion Ratio Lower Upper

117 100

119 46.8 75.8 113.6#

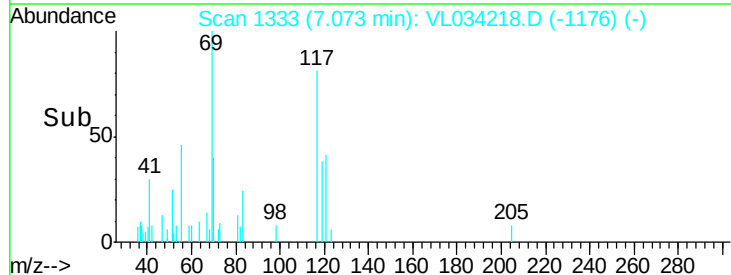
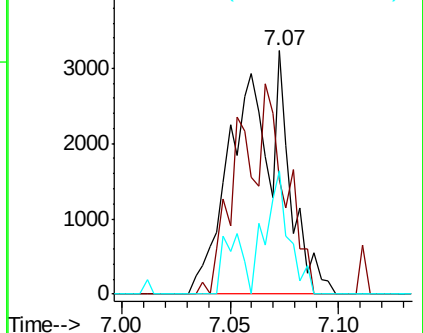
121 50.8 25.0 37.6#

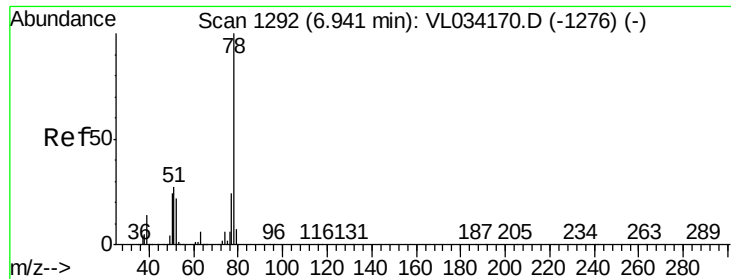


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





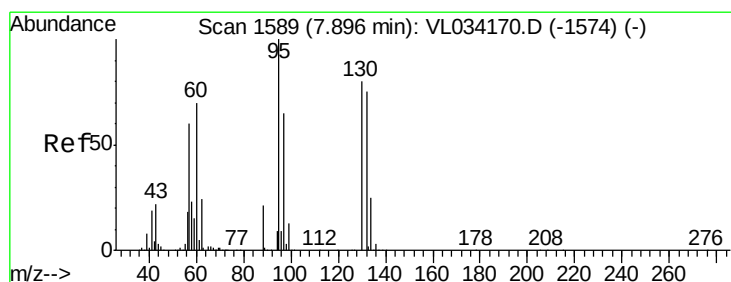
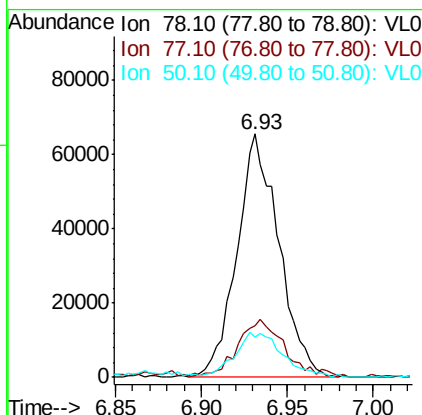
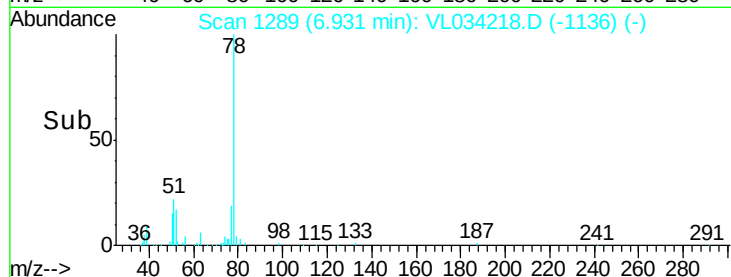
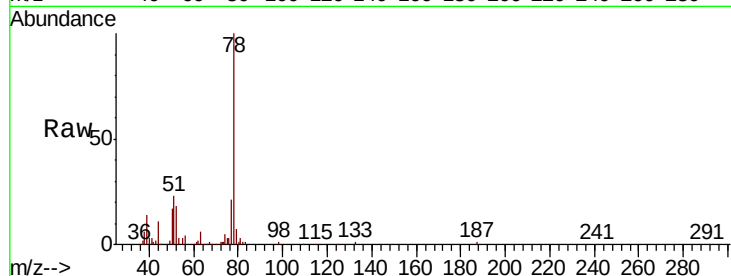
#36
Benzene
Concen: 0.585 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Instrument :
MSVOA_L
ClientSampleId :
SV-1

Tot Ion	Ratio	Lower	Upper
78	100		
77	20.5	19.0	28.4
50	15.6	18.9	28.3#

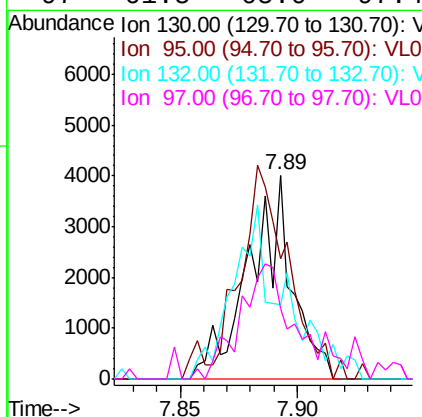
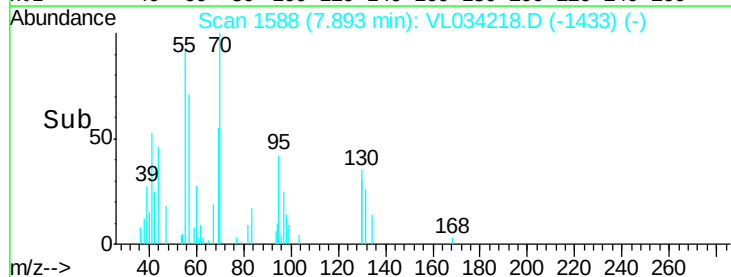
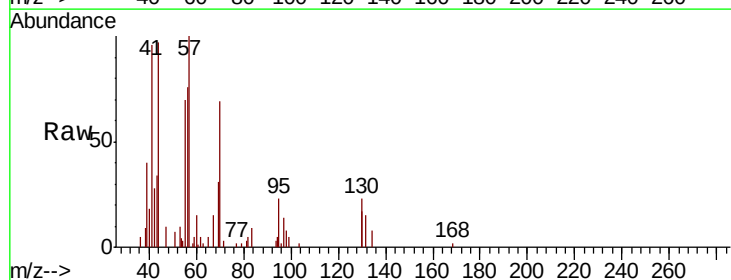
Manual Integrations
APPROVED

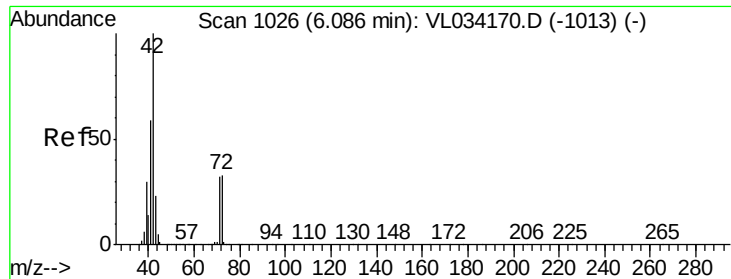
MMDadoda
10/7/2019 12:30:26 PM



#38
Trichloroethene
Concen: 0.075 ppbv m
RT: 7.89 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	99.8	149.6
132	64.3	75.2	112.8#
97	61.5	65.0	97.4#





#41

Tetrahydrofuran

Concen: 0.145 ppbv m

RT: 6.09 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

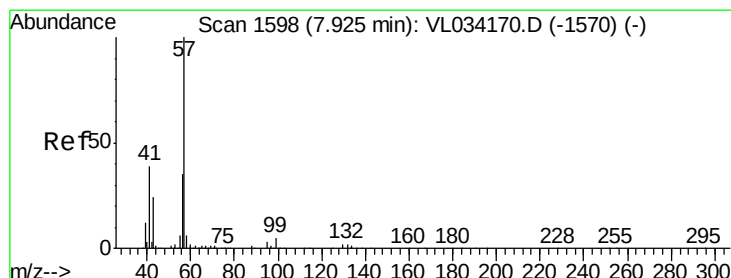
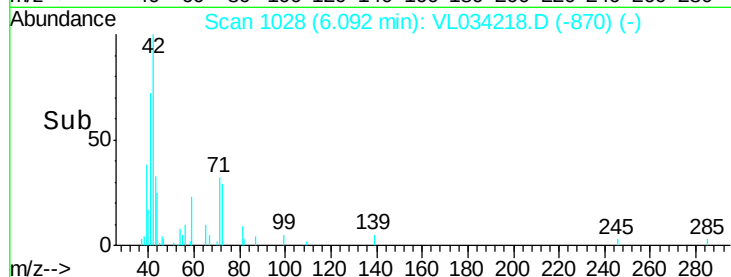
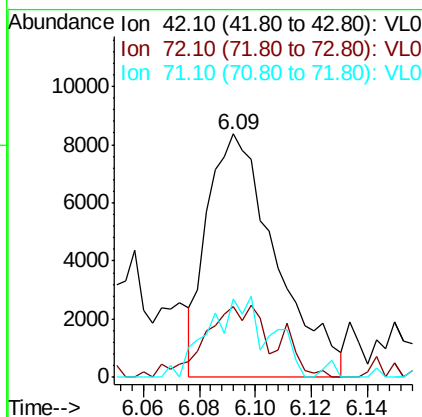
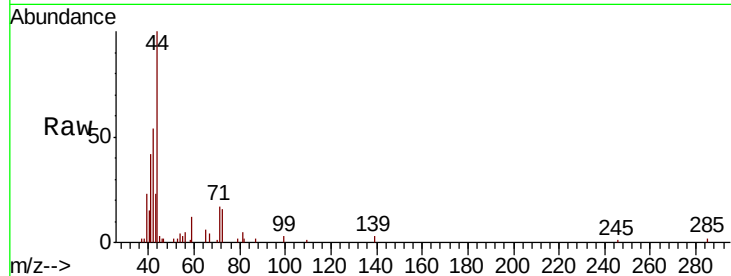
ClientSampled :

SV-1

Tot Ion:	42	Resp:	14290
Ion	Ratio	Lower	Upper
42	100		
72	30.0	26.6	40.0
71	30.6	25.1	37.7

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM



#44

2,2,4-Trimethylpentane

Concen: 0.229 ppbv

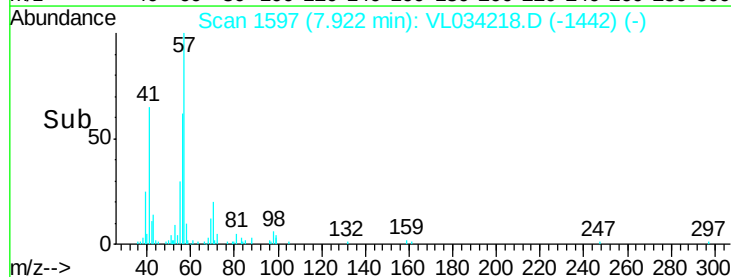
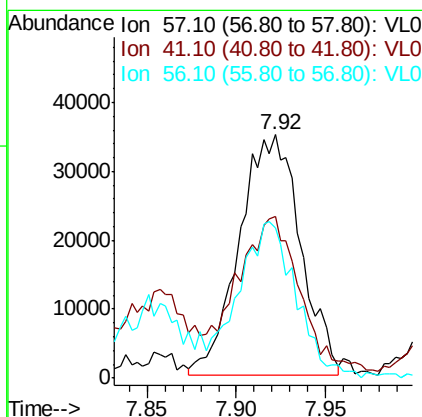
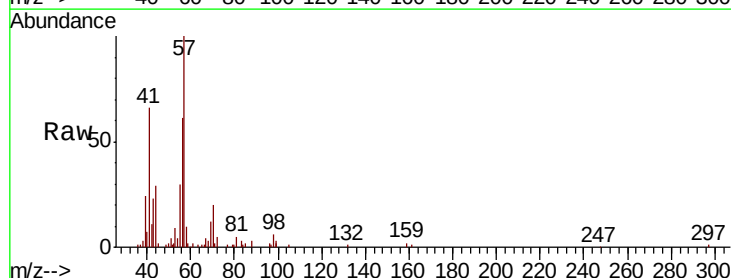
RT: 7.92 min Scan# 1597

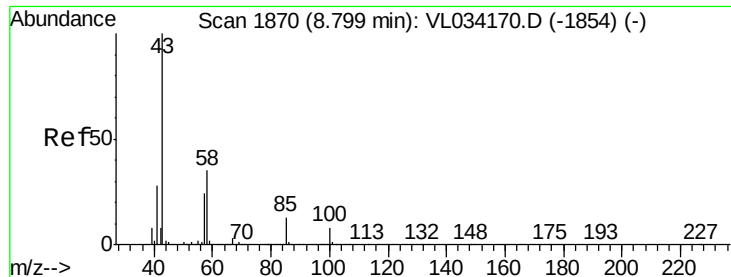
Delta R.T. -0.00 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Tgt Ion:	57	Resp:	83560
Ion	Ratio	Lower	Upper
57	100		
41	69.0	29.8	44.6#
56	63.5	25.9	38.9#





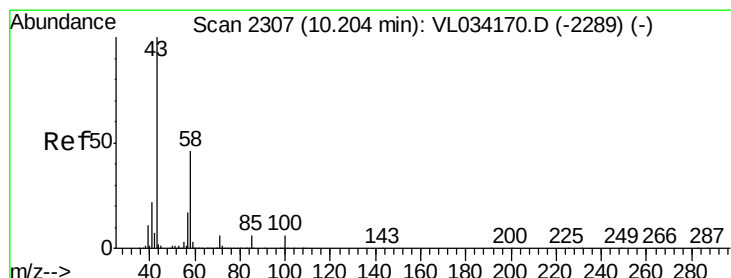
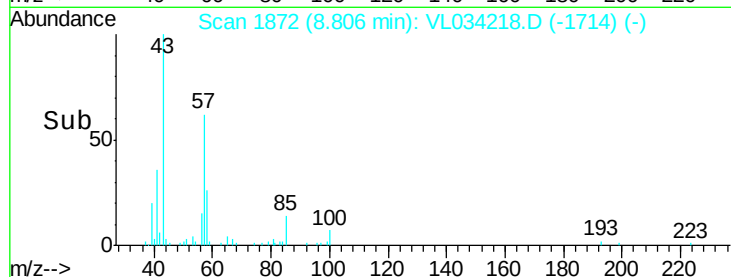
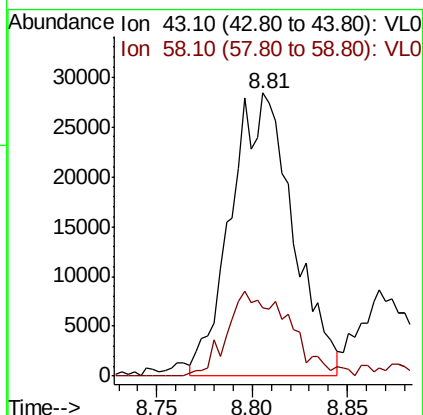
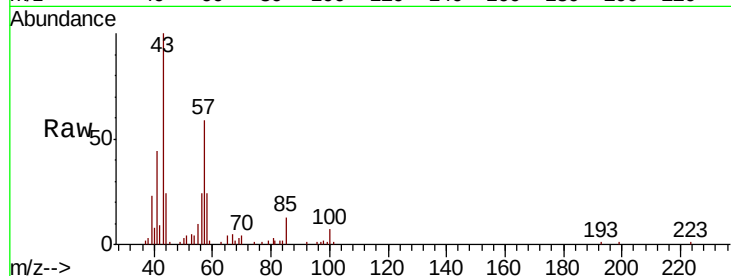
#50
4-Methyl-2-Pentanone
Concen: 0.252 ppbv m
RT: 8.81 min Scan# 1872
Delta R.T. 0.01 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Instrument :
MSVOA_L
ClientSampled :
SV-1

Tot Ion: 43 Resp: 64288
Ion Ratio Lower Upper
43 100
58 30.2 27.6 41.4

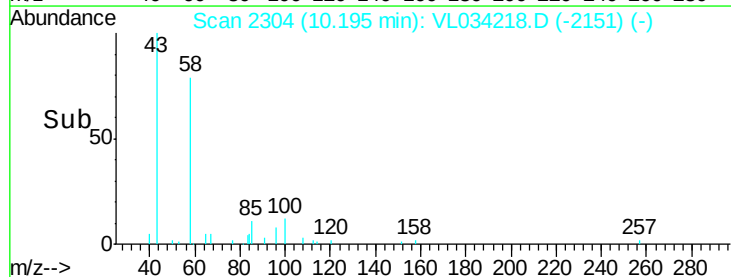
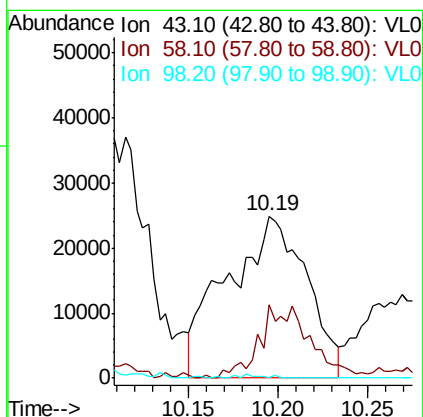
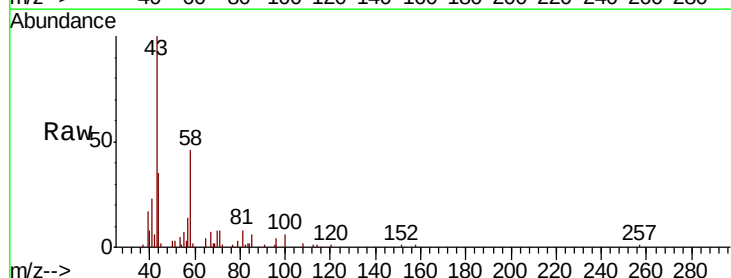
Manual Integrations
APPROVED

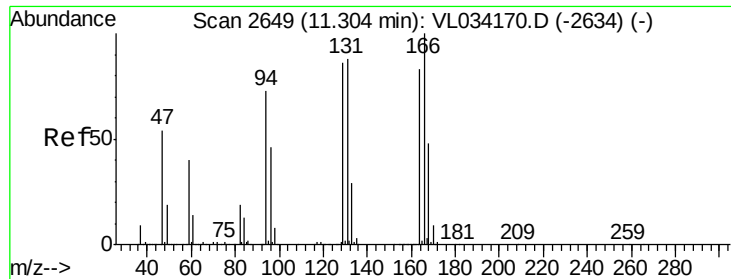
MMDadoda
10/7/2019 12:30:26 PM



#51
2-Hexanone
Concen: 0.359 ppbv m
RT: 10.19 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Tgt Ion: 43 Resp: 76857
Ion Ratio Lower Upper
43 100
58 28.8 36.2 54.4#
98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 7.892 ppbv

RT: 11.29 min Scan# 2646

Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

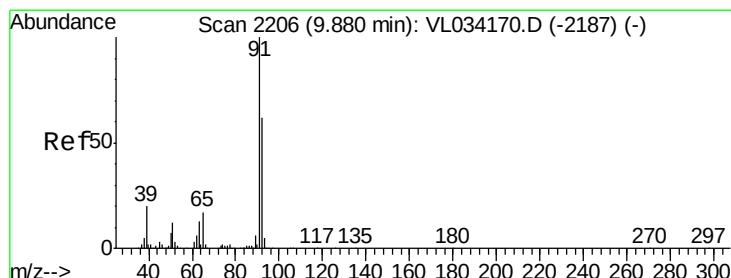
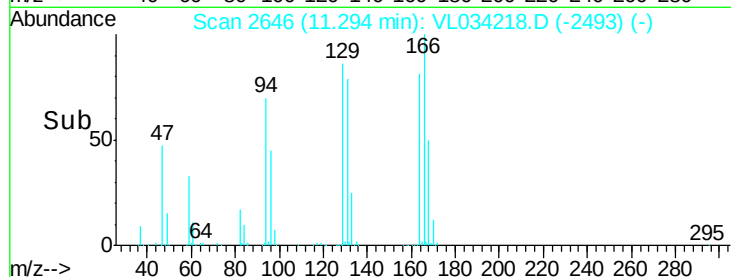
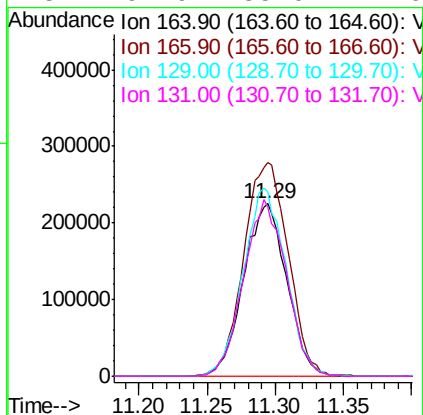
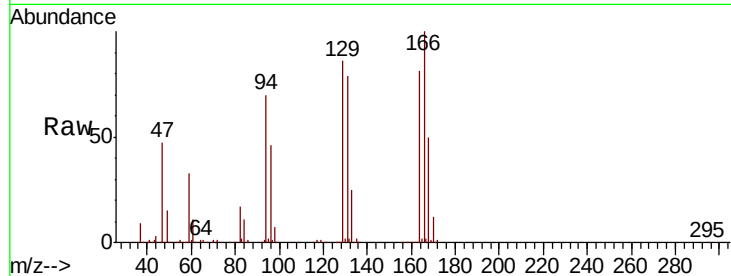
ClientSampled :

SV-1

Tot Ion:	164	Resp:	494447
Ion	Ratio	Lower	Upper
164	100		
166	123.5	96.7	145.1
129	106.3	82.8	124.2
131	97.9	85.0	127.6

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM



#53

Toluene

Concen: 4.203 ppbv

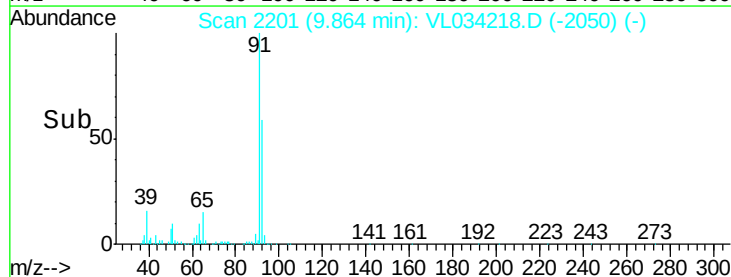
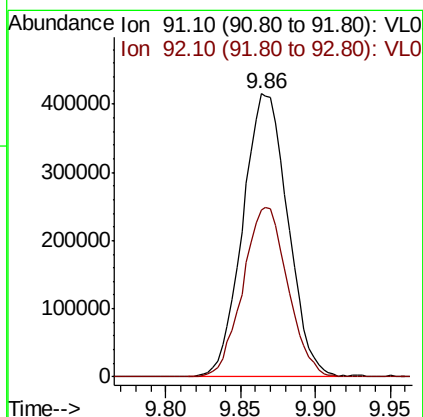
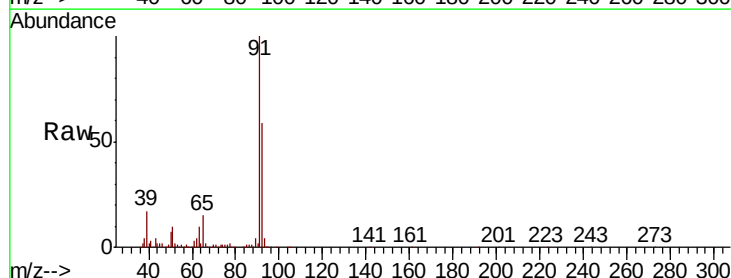
RT: 9.86 min Scan# 2201

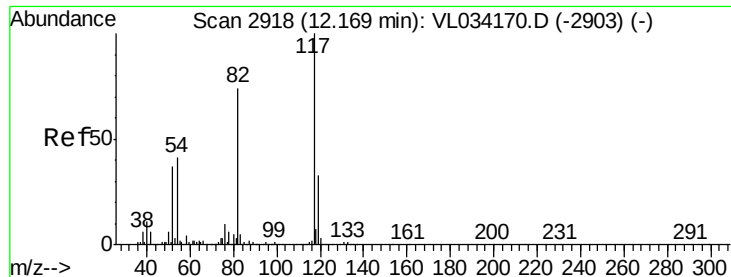
Delta R.T. -0.02 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Tgt Ion:	91	Resp:	871042
Ion	Ratio	Lower	Upper
91	100		
92	59.5	49.0	73.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV-1

Tot Ion:117 Resp: 1741449

Ion Ratio Lower Upper

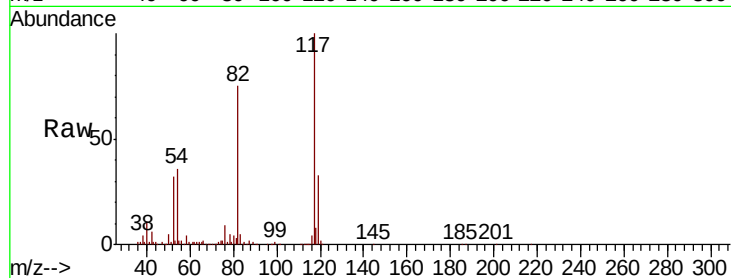
117 100

82 74.0 58.2 87.4

119 32.5 23.7 35.5

Manual Integrations
APPROVED

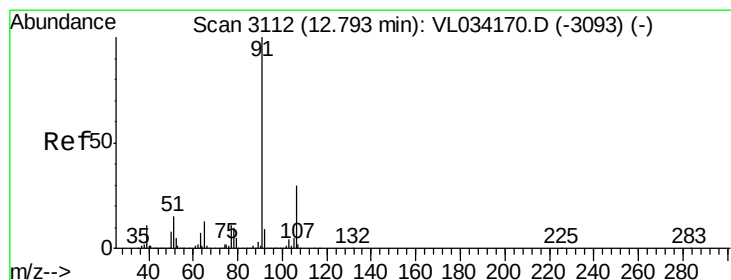
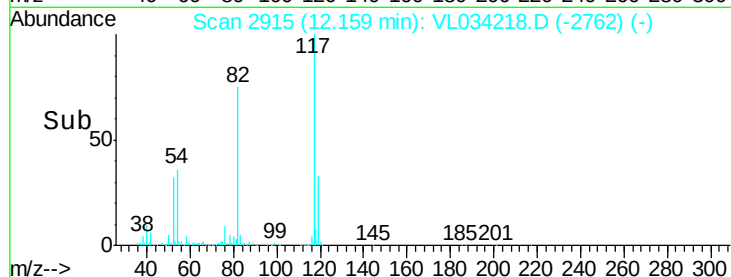
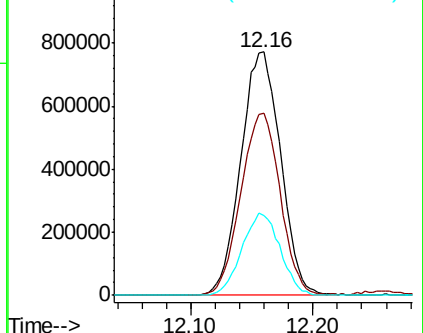
MMDadoda
10/7/2019 12:30:26 PM



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: 0.478 ppbv m

RT: 12.78 min Scan# 3107

Delta R.T. -0.02 min

Lab File: VL034218.D

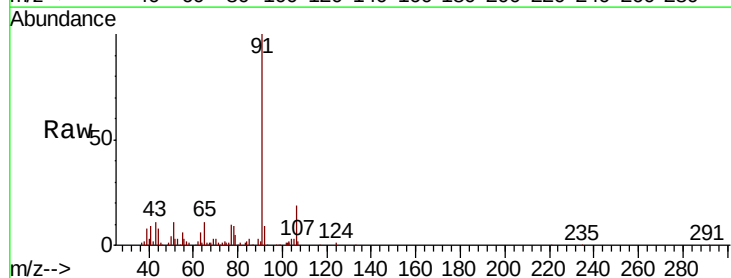
Acq: 2 Oct 2019 19:51

Tgt Ion: 91 Resp: 134182

Ion Ratio Lower Upper

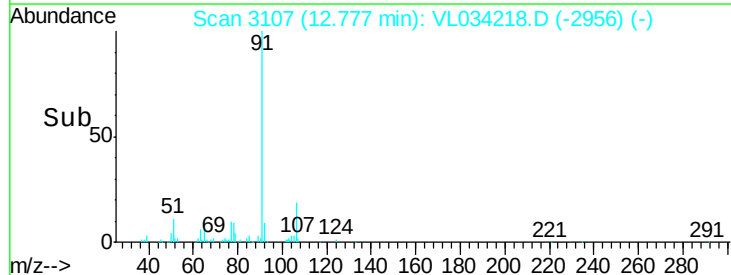
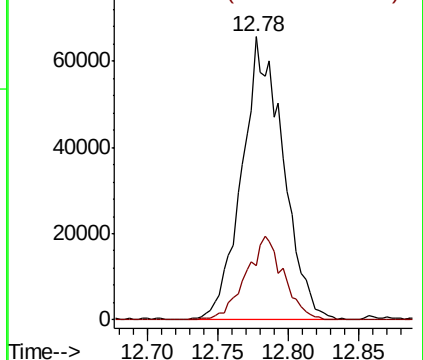
91 100

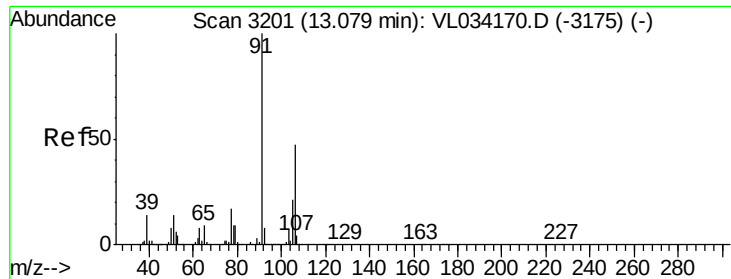
106 19.0 24.2 36.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





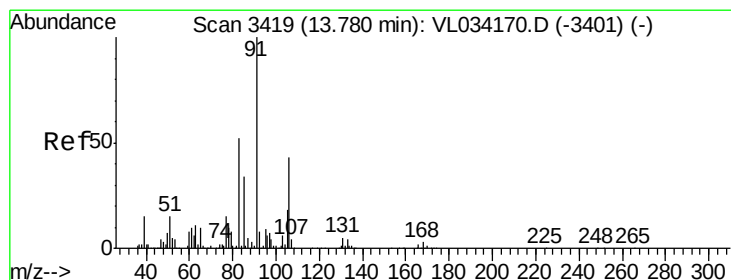
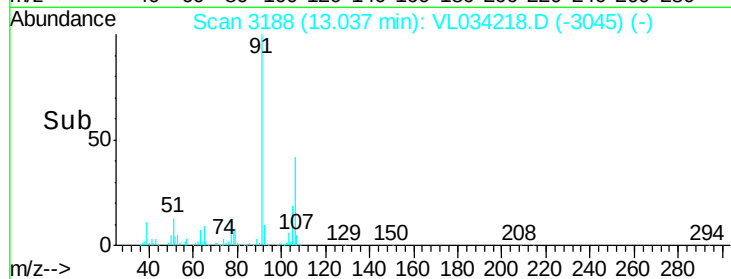
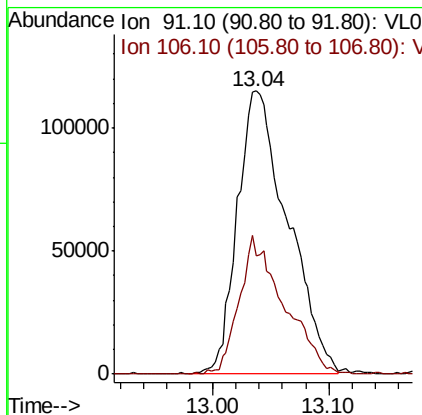
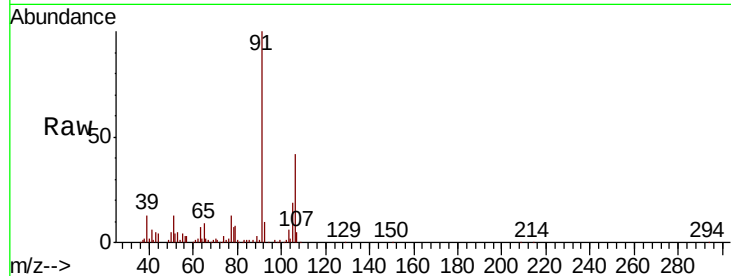
#59
m/p-Xylene
Concen: 1.495 ppbv
RT: 13.04 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Instrument :
MSVOA_L
ClientSampled :
SV-1

Tot Ion	91	Resp	347877
Ion Ratio	100	Lower	Upper
91	100		
106	43.5	35.5	53.3

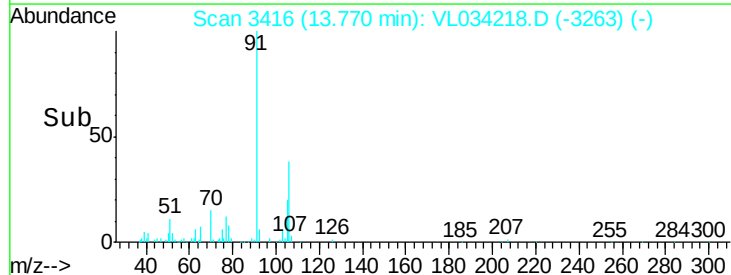
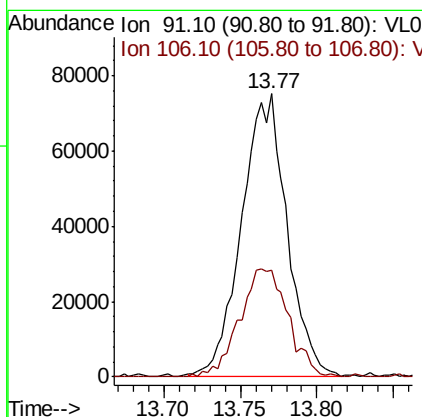
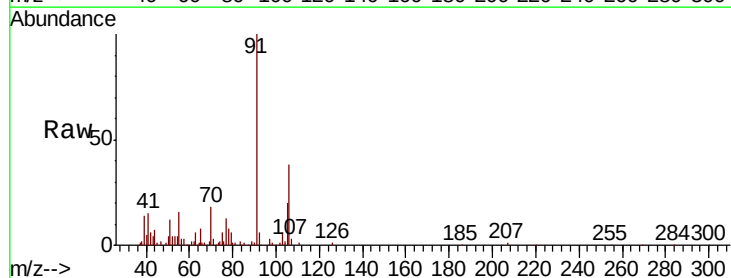
Manual Integrations
APPROVED

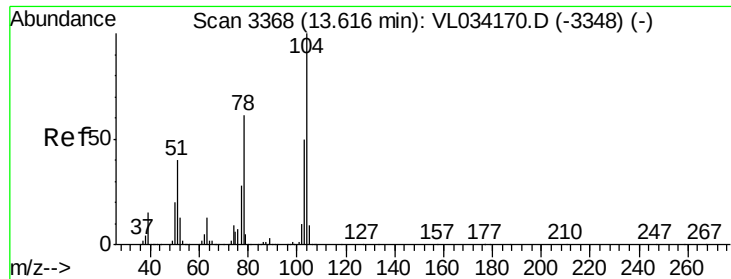
MMDadoda
10/7/2019 12:30:26 PM



#60
o-Xylene
Concen: 0.667 ppbv m
RT: 13.77 min Scan# 3416
Delta R.T. -0.01 min
Lab File: VL034218.D
Acq: 2 Oct 2019 19:51

Tgt Ion	91	Resp	155266
Ion Ratio	100	Lower	Upper
91	100		
106	0.0	21.2	63.6#





#61

Stvrene

Concen: 0.142 ppbv m

RT: 13.60 min Scan# 3362

Delta R.T. -0.02 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

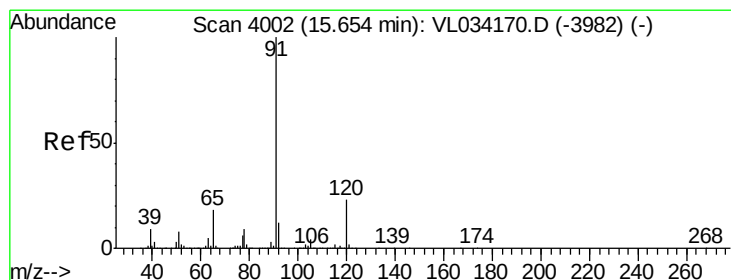
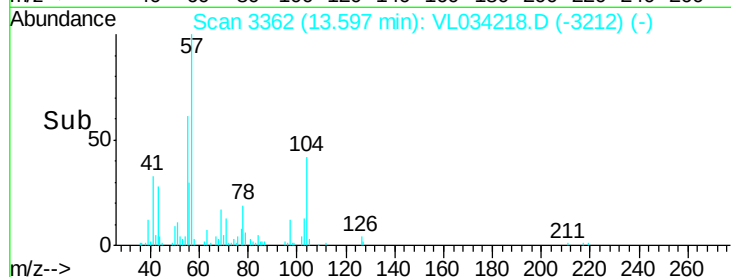
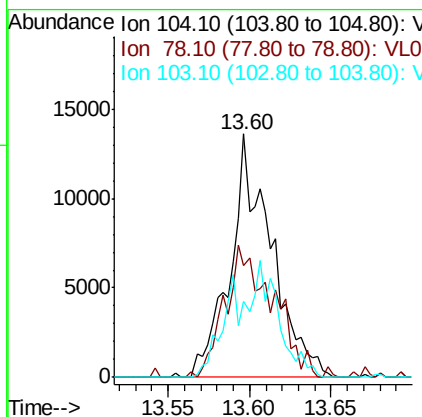
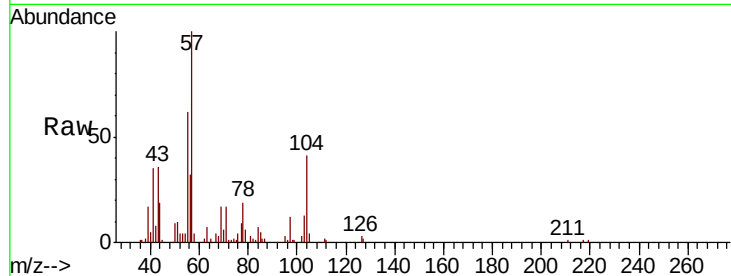
ClientSampled :

SV-1

Tot Ion:	104	Resp:	23740
Ion Ratio	Lower	Upper	
104	100		
78	0.0	49.7	74.5#
103	52.5	38.4	57.6

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM



#64

n-propylbenzene

Concen: 0.177 ppbv m

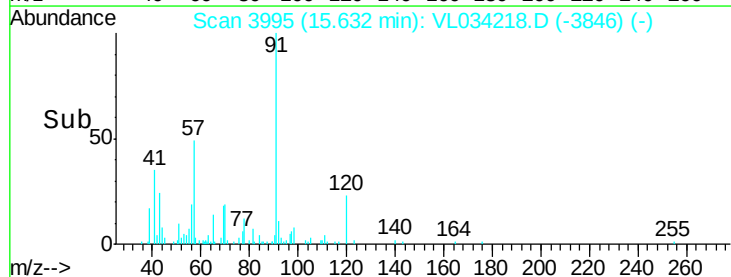
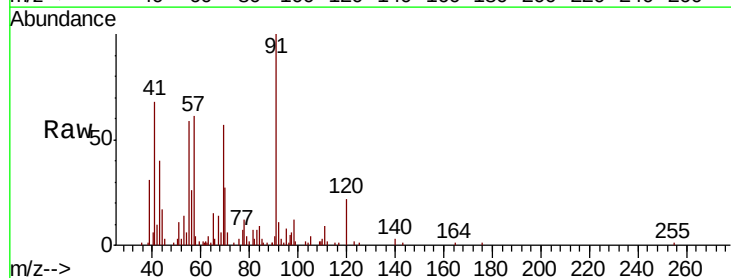
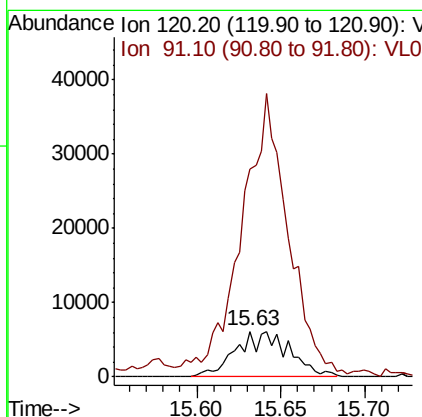
RT: 15.63 min Scan# 3995

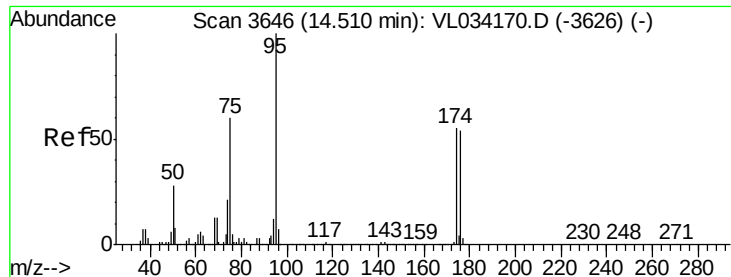
Delta R.T. -0.02 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Tgt Ion:	120	Resp:	13499
Ion Ratio	Lower	Upper	
120	100		
91	555.7	378.2	567.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.958 ppbv

RT: 14.49 min Scan# 3641

Delta R.T. -0.02 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampled :

SV-1

Tot Ion: 95 Resp: 1506791

Ion Ratio Lower Upper

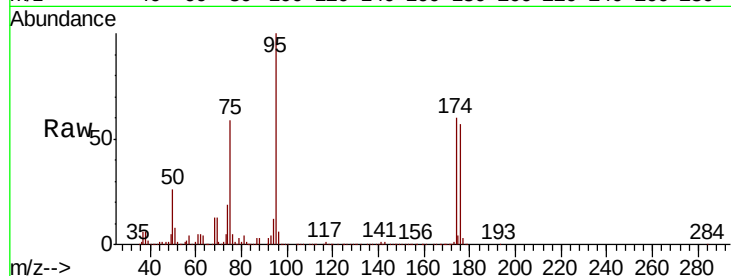
95 100

174 60.0 45.1 67.7

175 4.4 3.3 4.9

Manual Integrations
APPROVED

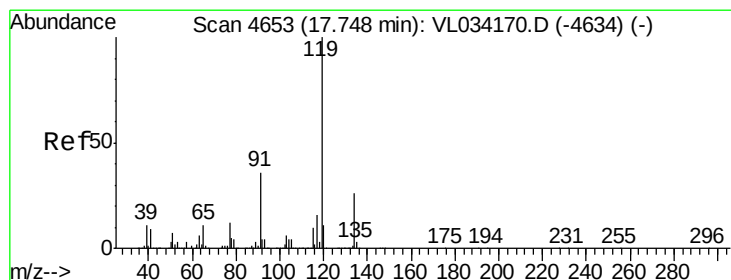
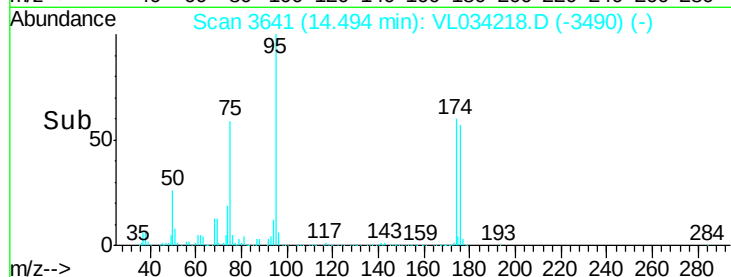
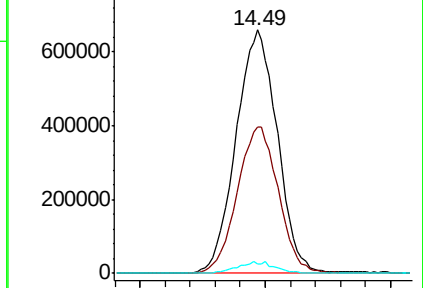
MMDadoda
10/7/2019 12:30:26 PM



Abundance Ion 95.10 (94.80 to 95.80): VL034218.D (-3490) (-)

Ion 174.00 (173.70 to 174.70): VL034218.D (-3490) (-)

Ion 175.00 (174.70 to 175.70): VL034218.D (-3490) (-)



#69

p-Isopropyltoluene

Concen: 0.099 ppbv m

RT: 17.74 min Scan# 4650

Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

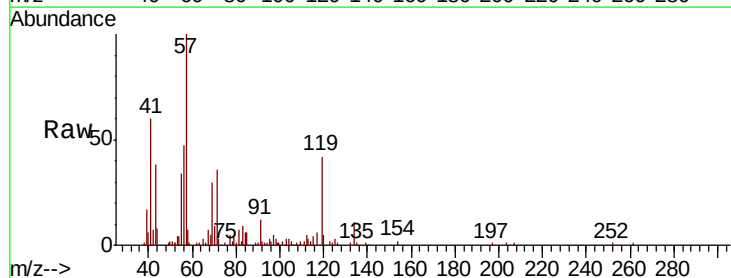
Tgt Ion: 119 Resp: 30189

Ion Ratio Lower Upper

119 100

134 25.3 20.6 30.8

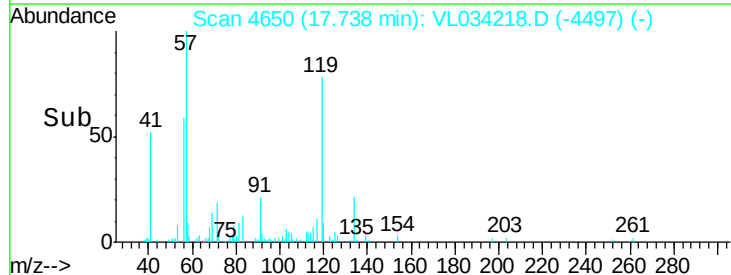
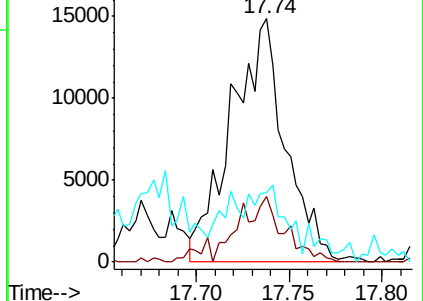
91 32.7 27.6 41.4

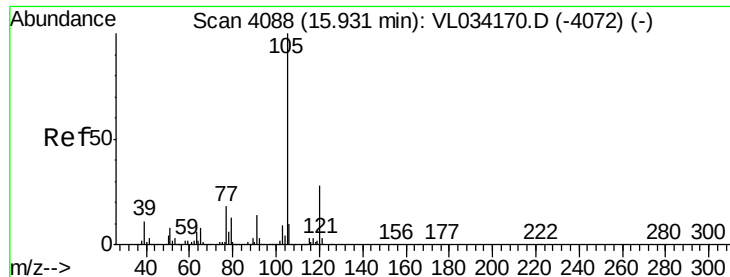


Abundance Ion 119.10 (118.80 to 119.80): VL034218.D (-4497) (-)

Ion 134.20 (133.90 to 134.90): VL034218.D (-4497) (-)

Ion 91.10 (90.80 to 91.80): VL034218.D (-4497) (-)





#72

4-Ethyltoluene

Concen: 0.244 ppbv

RT: 15.92 min Scan# 4085

Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

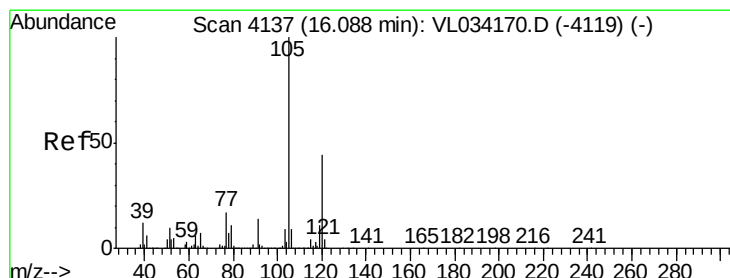
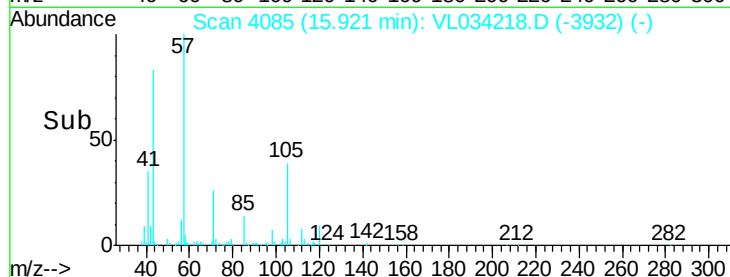
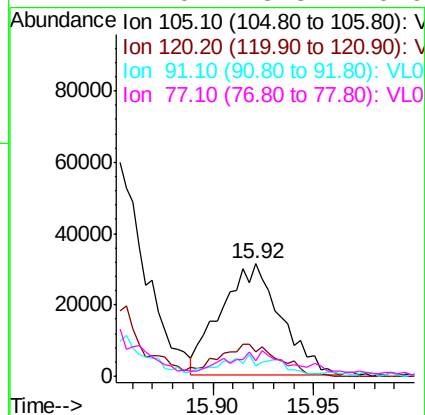
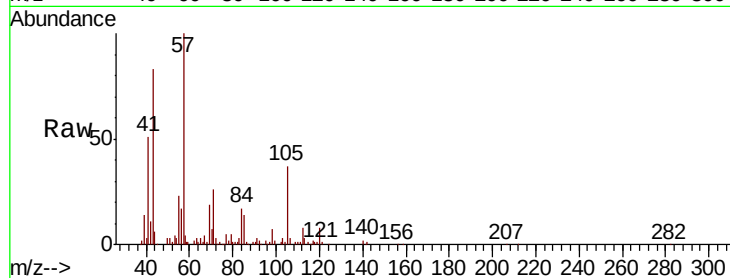
ClientSampled :

SV-1

Tot Ion:	105	Resp:	64264
Ion Ratio	Lower	Upper	
105	100		
120	28.4	23.3	34.9
91	15.8	11.4	17.2
77	21.0	13.3	19.9#

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM



#73

1,3,5-Trimethylbenzene

Concen: 0.253 ppbv

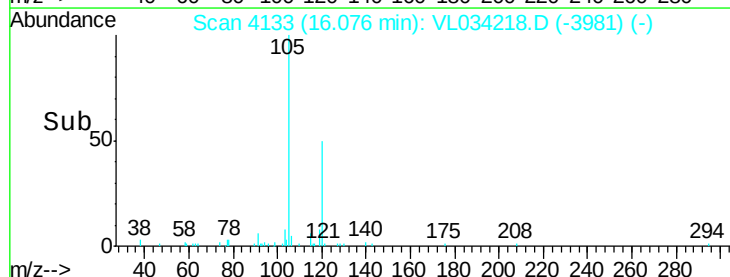
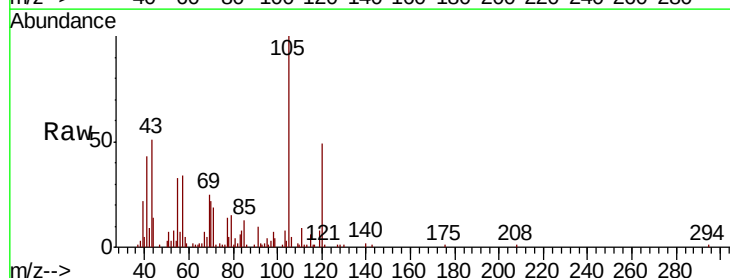
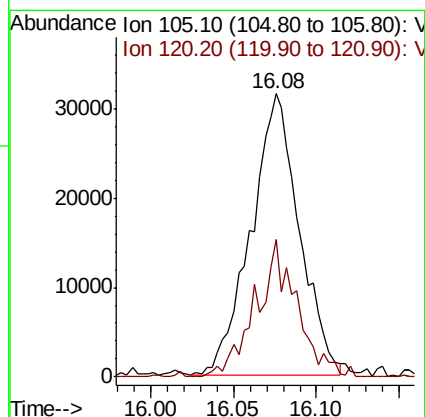
RT: 16.08 min Scan# 4133

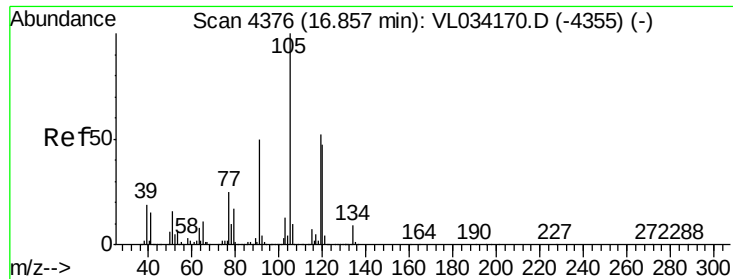
Delta R.T. -0.01 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Tgt Ion:	105	Resp:	64210
Ion Ratio	Lower	Upper	
105	100		
120	48.9	35.6	53.4





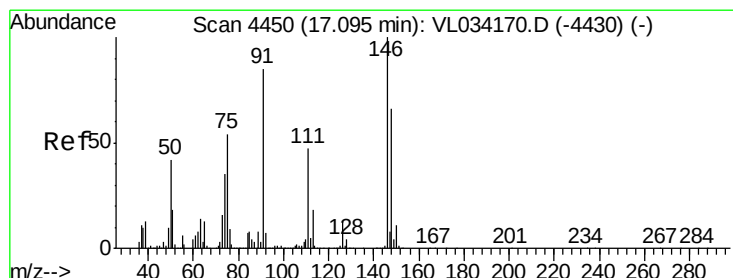
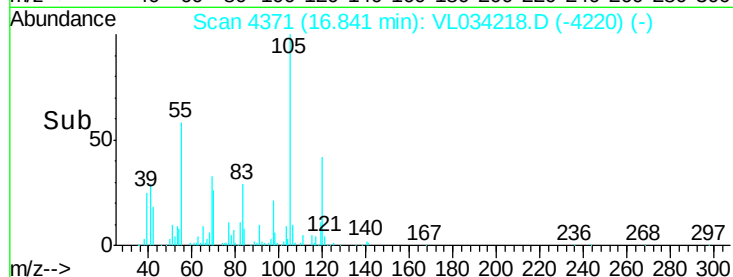
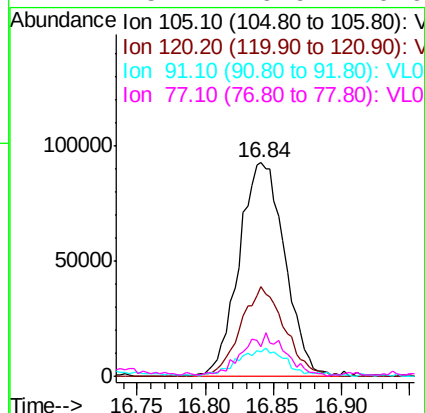
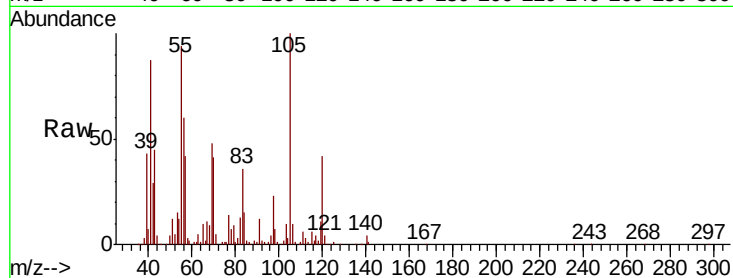
#74
 1,2,4-Trimethylbenzene
 Concen: 0.800 ppbv
 RT: 16.84 min Scan# 4371
 Delta R.T. -0.02 min
 Lab File: VL034218.D
 Acq: 2 Oct 2019 19:51

Instrument :
 MSVOA_L
 ClientSampled :
 SV-1

Tot Ion	Ratio	Resp	Lower	Upper
105	100	215813		
120	42.1	37.5	56.3	
91	10.9	41.1	61.7	
77	13.1	19.9	29.9	

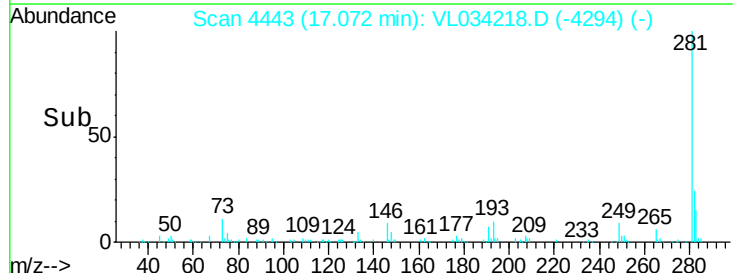
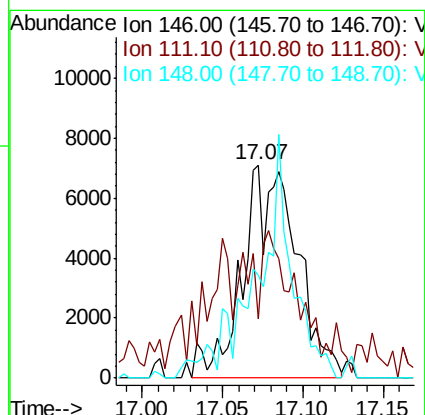
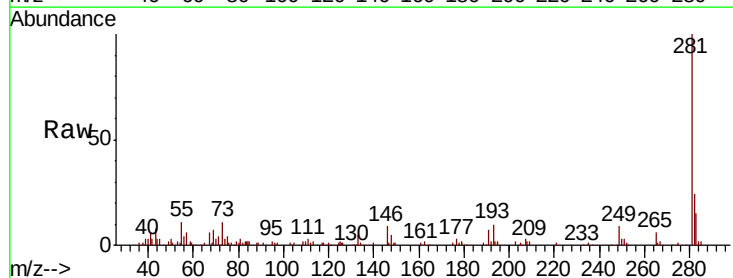
Manual Integrations
 APPROVED

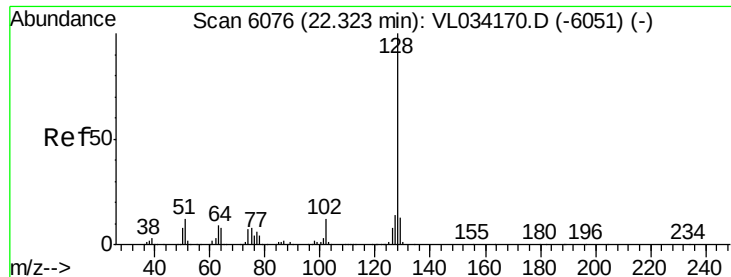
MMDadoda
 10/7/2019 12:30:26 PM



#75
 1,3-Dichlorobenzene
 Concen: 0.115 ppbv m
 RT: 17.07 min Scan# 4443
 Delta R.T. -0.02 min
 Lab File: VL034218.D
 Acq: 2 Oct 2019 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	16601		
111	56.1	25.9	77.8	
148	76.6	32.6	97.7	





#79

Naphthalene

Concen: 0.134 ppbv m

RT: 22.30 min Scan# 6070

Delta R.T. -0.02 min

Lab File: VL034218.D

Acq: 2 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tot Ion:	128	Resp:	31706
Ion Ratio	Lower	Upper	
128	100		
127	11.8	11.1	16.7
129	3.3	10.2	15.4

Manual Integrations
APPROVED

MMDadoda
10/7/2019 12:30:26 PM

