

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
 Data File : VX008167.D
 Acq On : 18 Mar 2019 15:40
 Operator : JC/SP
 Sample : K1825-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:37:22 AM

Quant Time: Mar 19 12:03:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 18 14:34:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	68936	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	389630	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	344637	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	171981	29.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.97%
60) 4-Bromofluorobenzene	11.13	95	172591	30.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.03%
63) Toluene-d8	8.71	98	502390	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
3) Chloromethane	1.33	50	218838	56.204	ug/l 98
6) Chloroethane	1.73	64	128816	51.323	ug/l 97
7) Trichlorofluoromethane	1.93	101	500179	98.941	ug/l 97
15) Acetone	2.44	58	107498	142.215	ug/l 89
18) Methylene Chloride	2.86	84	400613	106.138	ug/l 87
22) cis-1,2-Dichloroethene	4.60	96	457417	115.298	ug/l 94
24) Methyl tert-Butyl Ether	3.20	73	985828	83.893	ug/l 97
25) Chloroform	5.21	83	88568	13.268	ug/l 98
30) 2-Butanone	4.67	43	394901	108.636	ug/l 93
33) Carbon Tetrachloride	5.78	117	234485	50.869	ug/l 96
34) Benzene	6.14	78	288390	18.598	ug/l 98
36) 1,2-Dichloroethane	6.19	62	666966	118.504	ug/l 96
37) Trichloroethene	7.21	130	110359	29.866	ug/l 84
40) Dibromomethane	7.66	93	66897	25.873	ug/l 90
41) Bromodichloromethane	7.90	83	104438	20.889	ug/l 99
48) t-1,3-Dichloropropene	9.04	75	91577	16.572	ug/l 99
49) cis-1,3-Dichloropropene	8.43	75	386826	62.921	ug/l 94
50) 1,1,2-Trichloroethane	9.21	97	369573	99.555	ug/l 97
53) Dibromochloromethane	9.58	129	72203	20.115	ug/l 99
54) 1,2-Dibromoethane	9.67	107	340382	87.854	ug/l 97
56) Bromoform	10.85	173	85388	33.064	ug/l # 98
58) 4-Methyl-2-Pentanone	8.64	43	1200772	182.177	ug/l 96
59) 2-Hexanone	9.49	43	513105	98.667	ug/l 97
61) Tetrachloroethene	9.34	164	69604	20.054	ug/l 96
62) Toluene	8.78	91	552895	33.922	ug/l 98
64) Chlorobenzene	10.14	112	756501	77.986	ug/l 100
65) 1,1,1,2-Tetrachloroethane	10.22	131	297486	87.458	ug/l 98
66) Ethyl Benzene	10.25	91	875876	50.313	ug/l 95
67) m/p-Xylenes	10.36	106	489138	76.058	ug/l 90
68) o-Xylene	10.69	106	768275	124.318	ug/l 91
69) Styrene	10.71	104	866954m	86.124	ug/l
71) 1,1,2,2-Tetrachloroethane	11.27	83	559400	95.838	ug/l 97
72) 1,2,3-Trichloropropane	11.29	75	109535	21.761	ug/l 89
83) 1,3-Dichlorobenzene	12.02	146	617915	87.410	ug/l 95
87) 1,2-Dichlorobenzene	12.39	146	374997	53.237	ug/l 97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	56044	43.358	ug/l # 77
89) 1,2,4-Trichlorobenzene	13.65	180	459966	100.245	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031819\
Data File : VX008167.D
Acq On : 18 Mar 2019 15:40
Operator : JC/SP
Sample : K1825-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM

Quant Time: Mar 19 12:03:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 14:34:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachlorobutadiene	13.78	225	217874	91.500	ug/l	98
91) Naphthalene	13.83	128	561159	37.759	ug/l	99

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

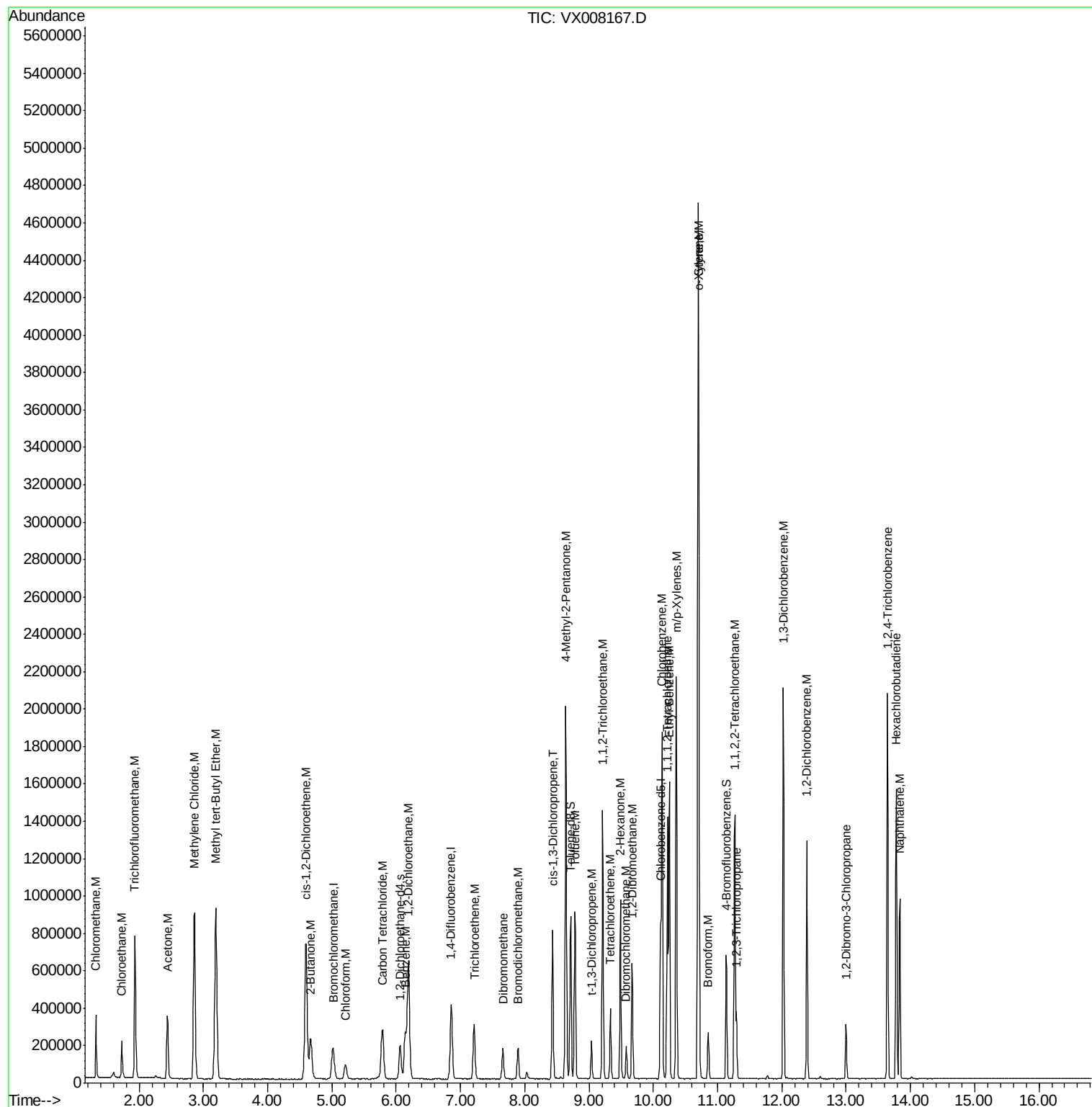
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031819\
Data File : VX008167.D
Acq On : 18 Mar 2019 15:40
Operator : JC/SP
Sample : K1825-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

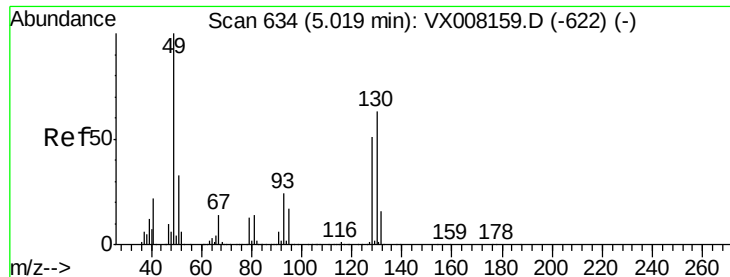
Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM

Quant Time: Mar 19 12:03:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X031819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Mar 18 14:34:46 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

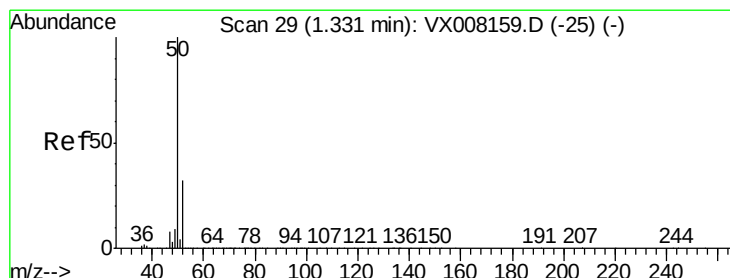
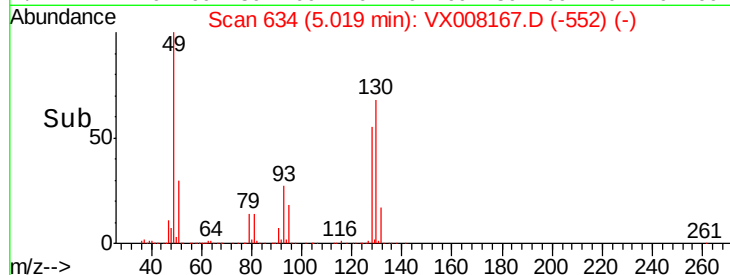
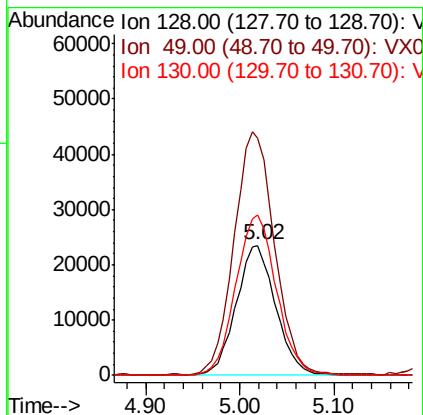
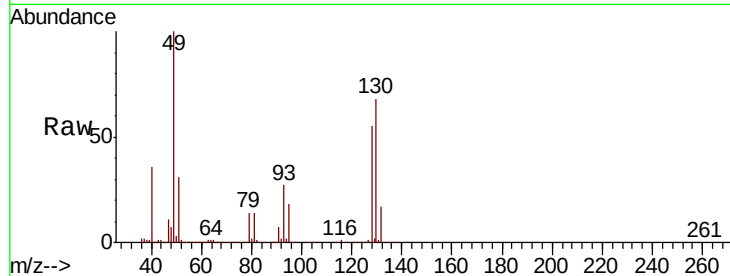
ClientSampleId :

PT-VOA-WP

Tot Ion:	128	Resp:	68936
Ion	Ratio	Lower	Upper
128	100		
49	191.3	0.0	350.8
130	127.3	0.0	325.8

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM



#3

Chloromethane

Concen: 56.204 ug/l

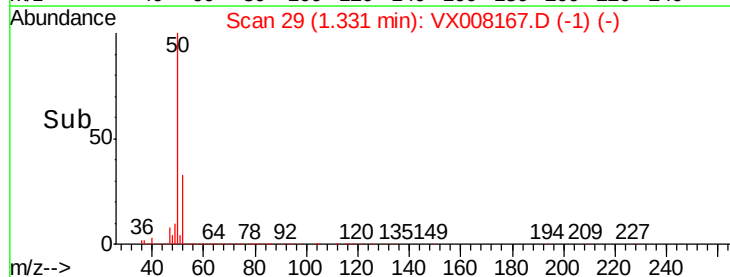
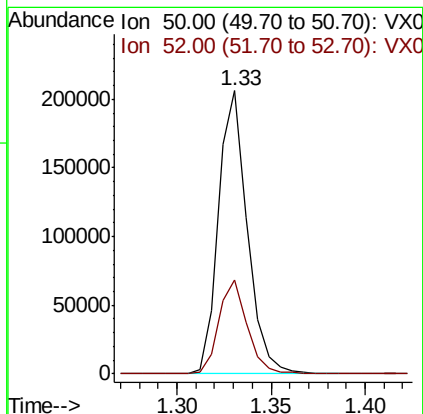
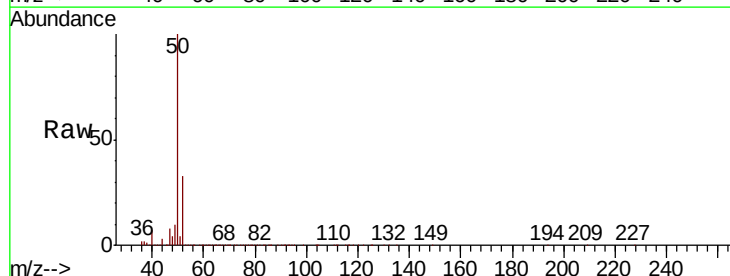
RT: 1.33 min Scan# 29

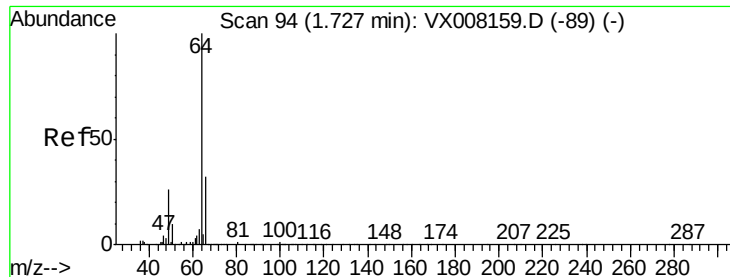
Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Tgt Ion:	50	Resp:	218838
Ion	Ratio	Lower	Upper
50	100		
52	33.0	27.5	41.3





#6

Chloroethane

Concen: 51.323 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion: 64 Resp: 128816

Ion Ratio Lower Upper

64 100

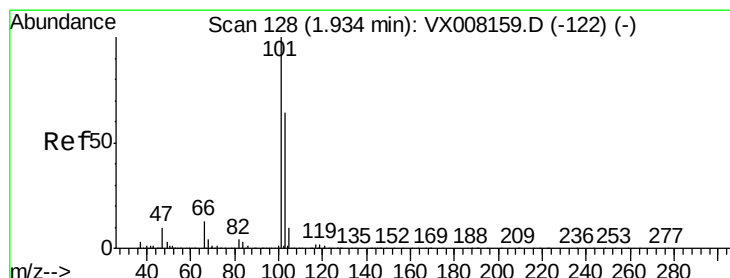
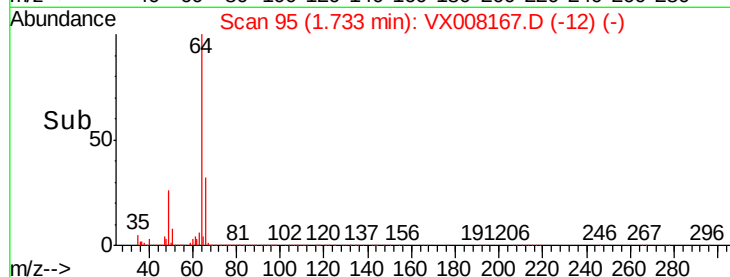
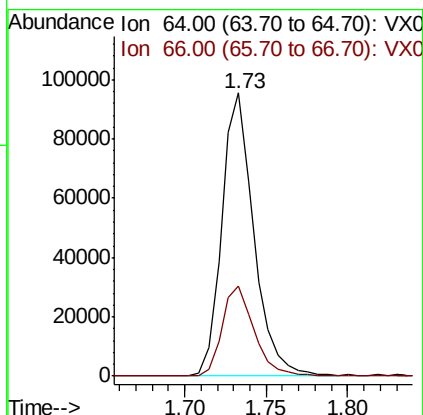
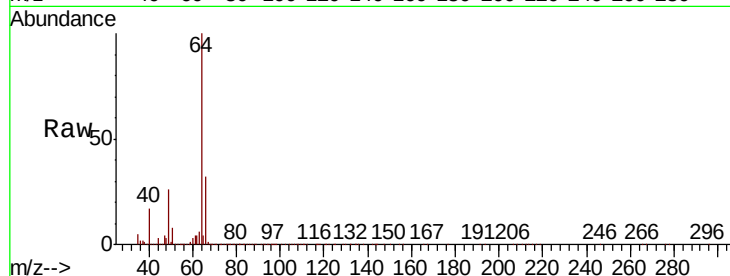
66 31.7 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:37:22 AM



#7

Trichlorofluoromethane

Concen: 98.941 ug/l

RT: 1.93 min Scan# 128

Delta R.T. -0.00 min

Lab File: VX008167.D

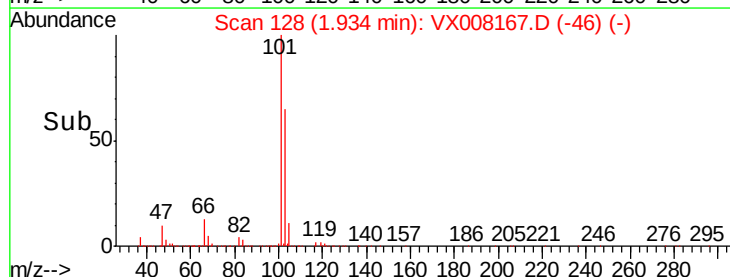
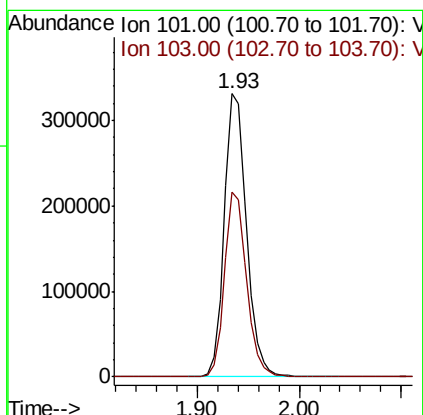
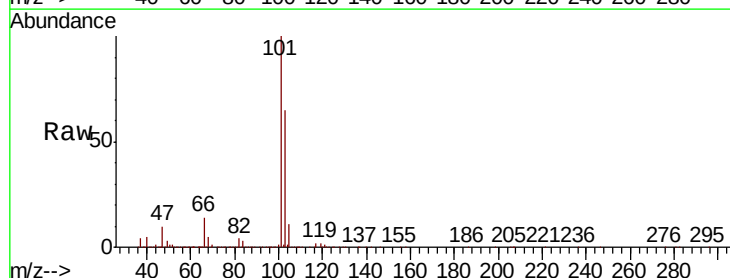
Acq: 18 Mar 2019 15:40

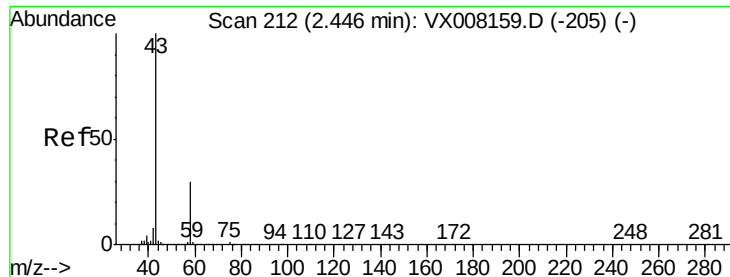
Tgt Ion: 101 Resp: 500179

Ion Ratio Lower Upper

101 100

103 65.1 50.4 75.6





#15

Acetone

Concen: 142.215 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion: 58 Resp: 107498

Ion Ratio Lower Upper

58 100

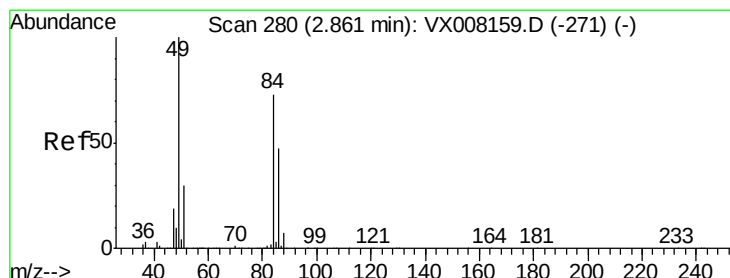
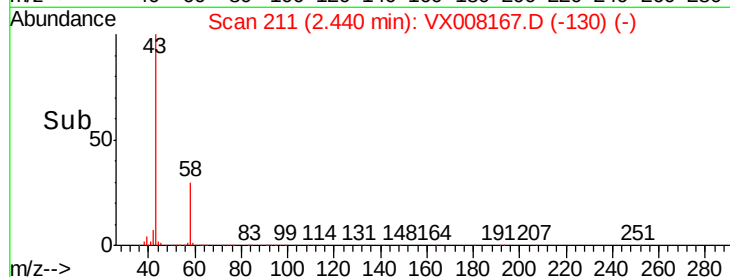
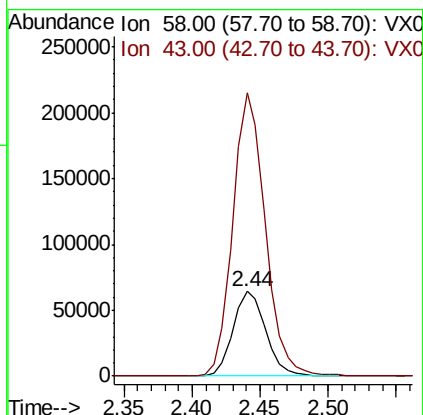
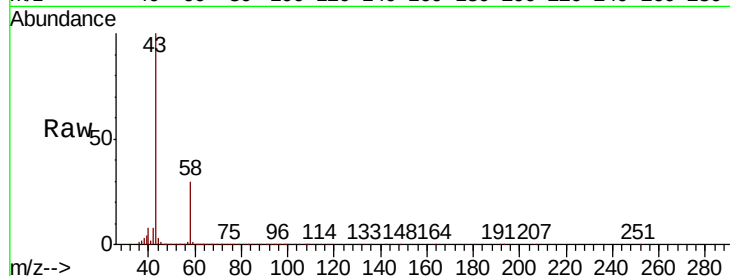
43 333.7 249.8 374.6

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:37:22 AM



#18

Methylene Chloride

Concen: 106.138 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Tgt Ion: 84 Resp: 400613

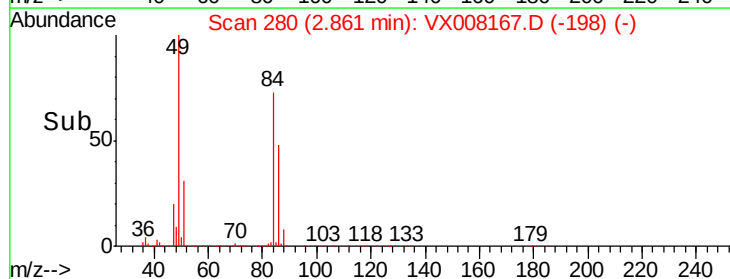
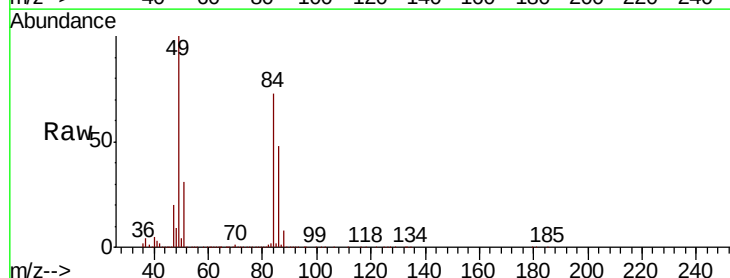
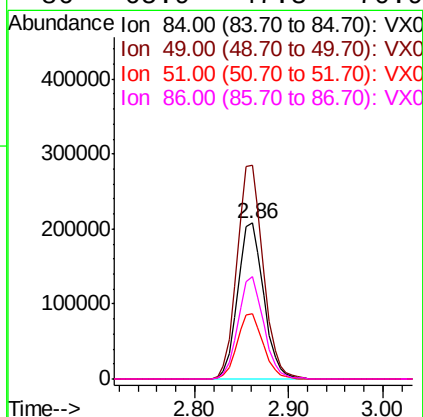
Ion Ratio Lower Upper

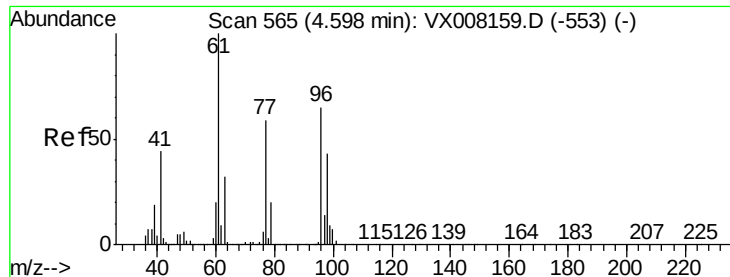
84 100

49 137.0 96.1 144.1

51 41.9 29.1 43.7

86 65.9 47.3 70.9





#22

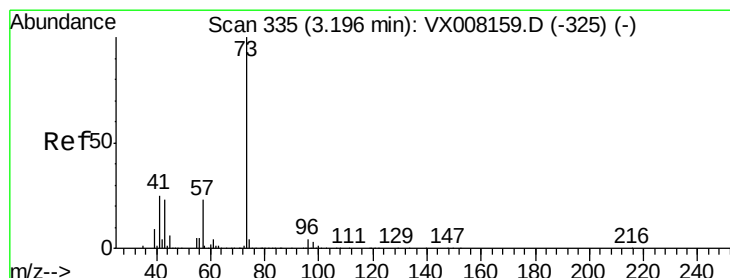
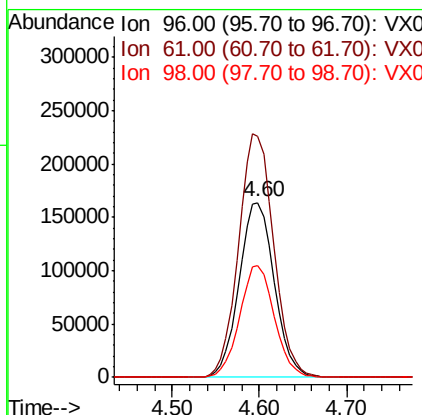
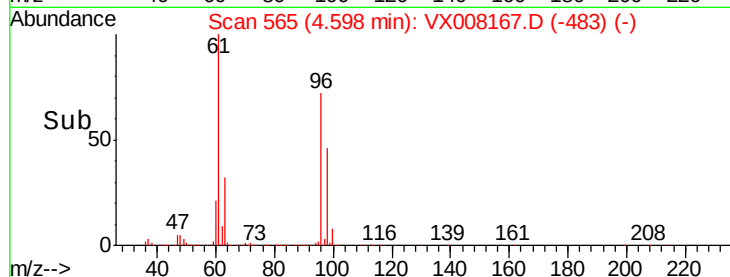
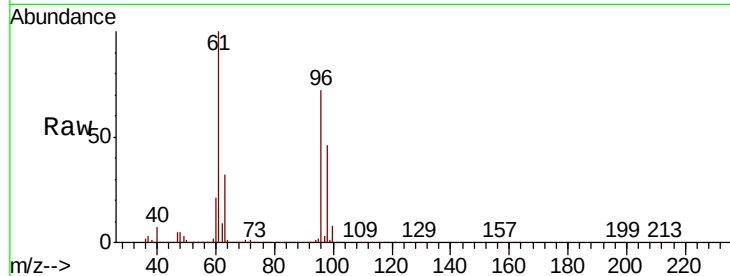
cis-1,2-Dichloroethene
 Concen: 115.298 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	103.5	155.3
98	63.4	52.1	78.1

Manual Integrations
 APPROVED

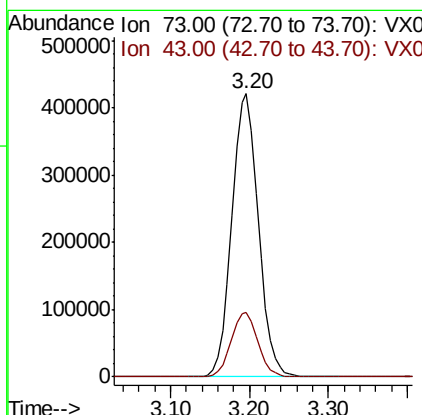
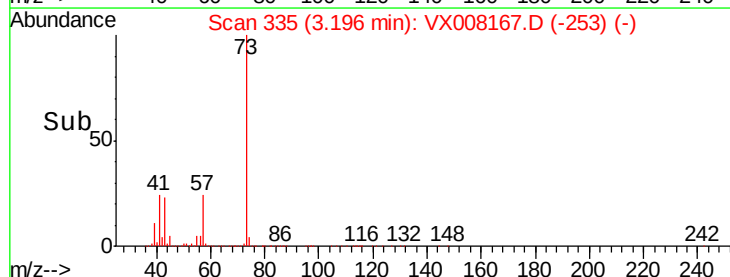
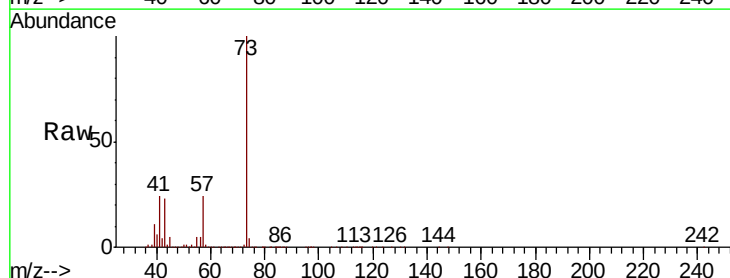
MMDadoda
 3/19/2019 9:37:22 AM

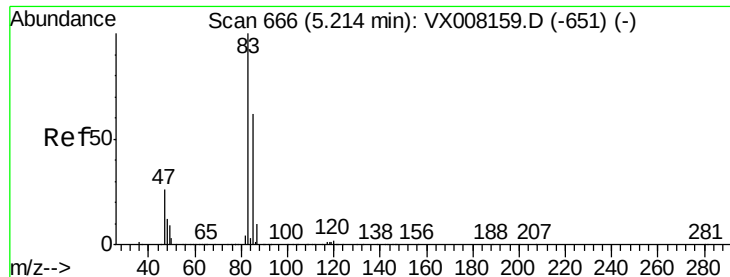


#24

Methyl tert-Butyl Ether
 Concen: 83.893 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.8	17.1	25.7





#25

Chloroform

Concen: 13.268 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion: 83 Resp: 88568

Ion Ratio Lower Upper

83 100

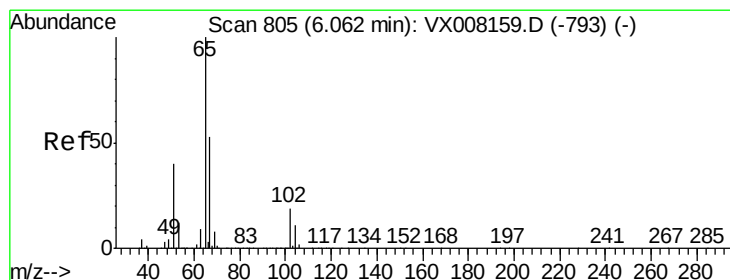
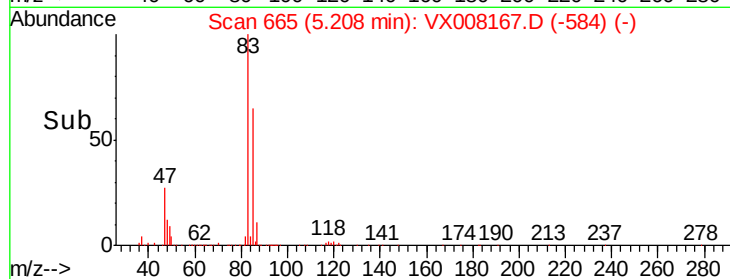
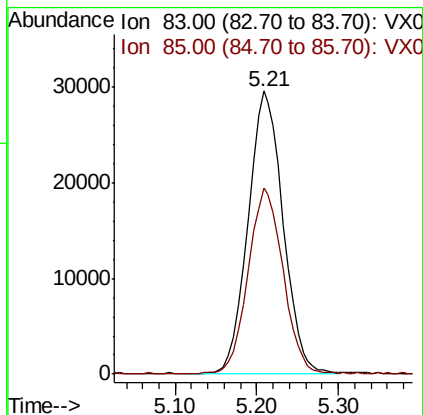
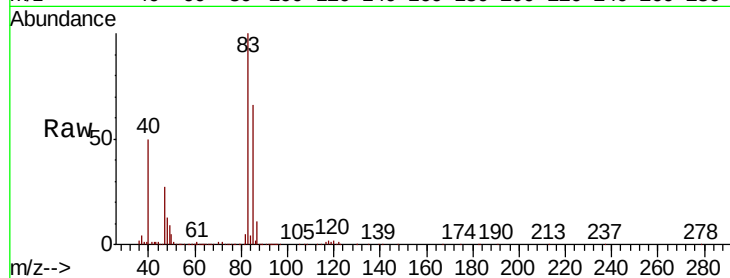
85 65.4 53.8 80.6

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:37:22 AM



#27

1,2-Dichloroethane-d4

Concen: 29.992 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008167.D

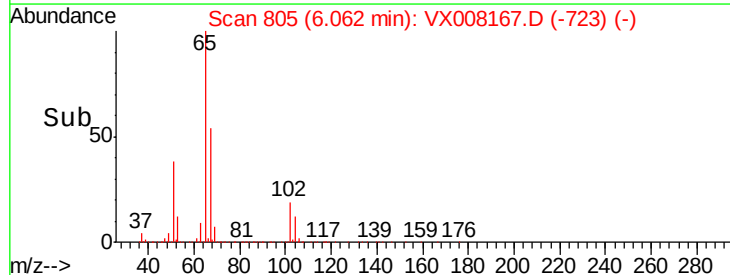
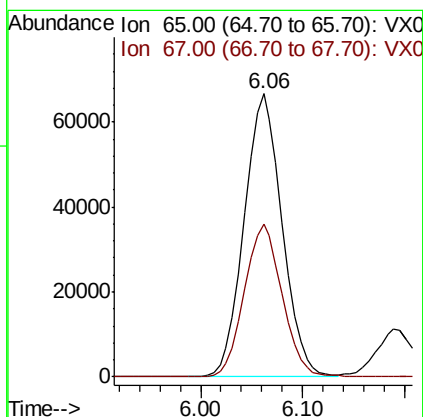
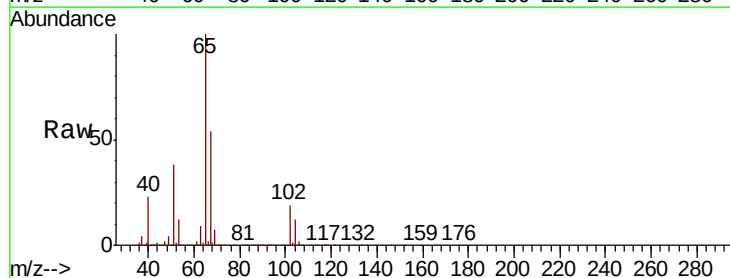
Acq: 18 Mar 2019 15:40

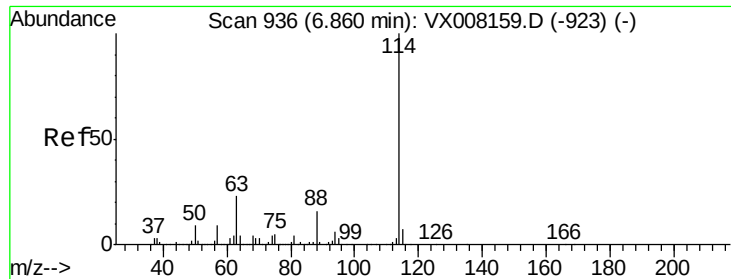
Tgt Ion: 65 Resp: 171981

Ion Ratio Lower Upper

65 100

67 53.5 42.9 64.3





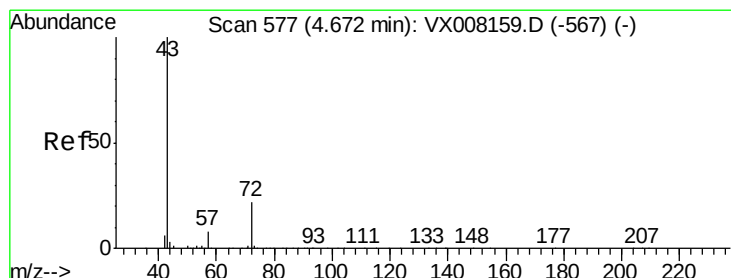
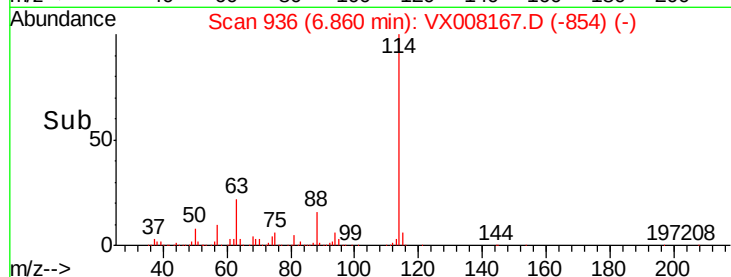
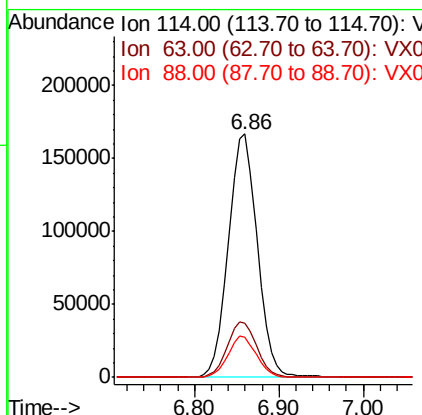
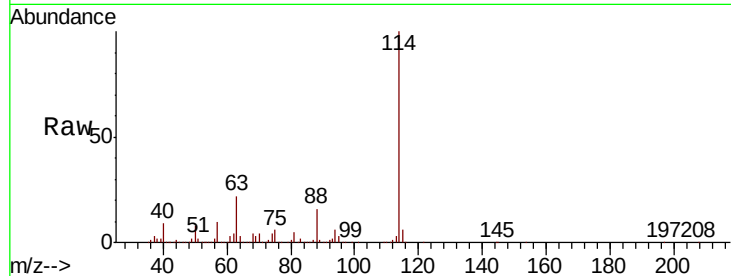
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ratio	Resp	Lower	Upper
114	100	389630		
63	23.1		14.2	21.4#
88	16.7		11.9	17.9

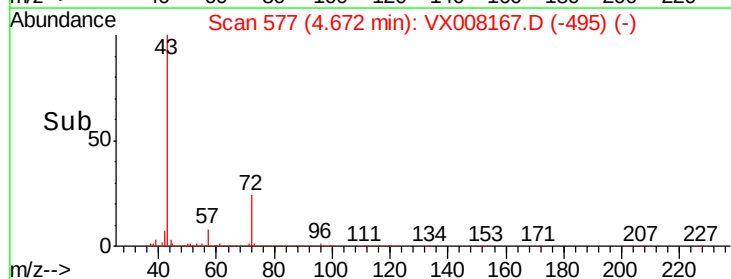
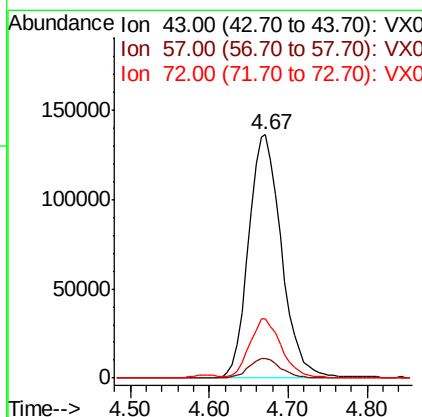
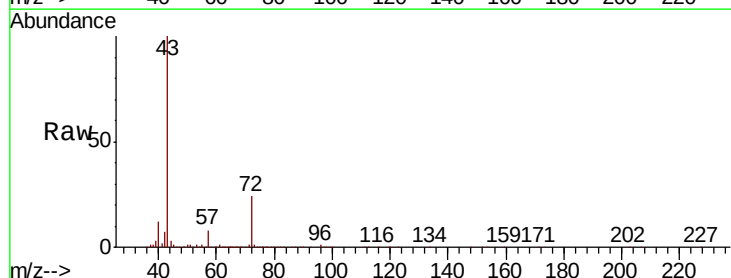
Manual Integrations
 APPROVED

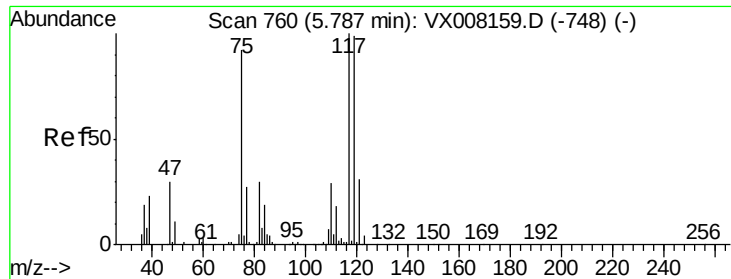
MMDadoda
 3/19/2019 9:37:22 AM



#30
 2-Butanone
 Concen: 108.636 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	394901		
57	7.7		7.0	10.6
72	22.3		21.5	32.3





#33

Carbon Tetrachloride

Concen: 50.869 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

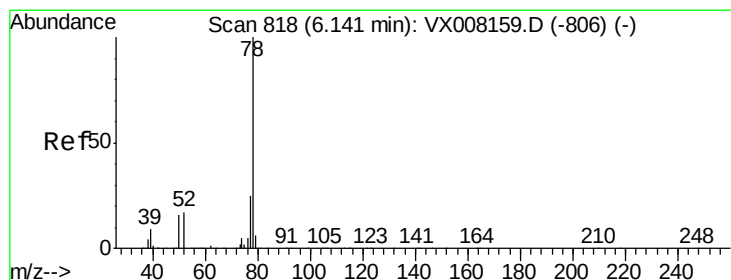
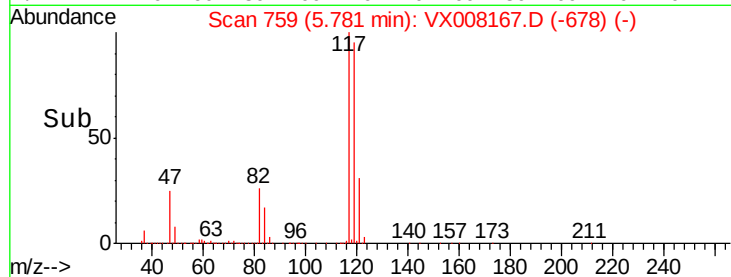
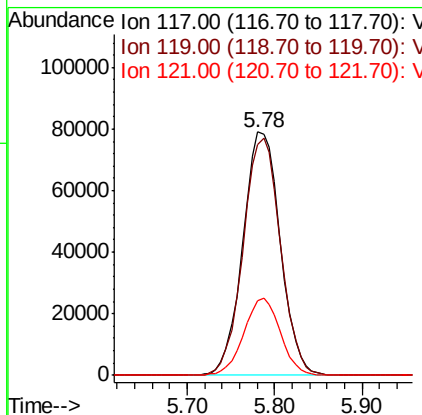
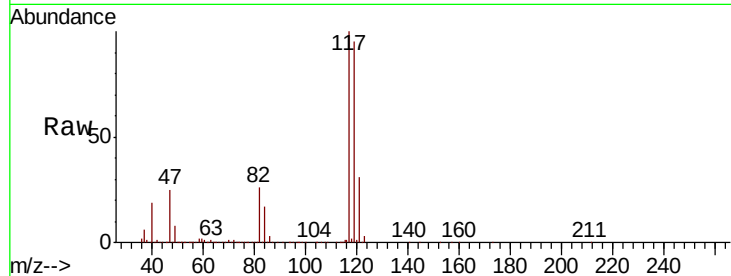
ClientSampleId :

PT-VOA-WP

Tot Ion:	117	Resp:	234485
Ion Ratio	Lower	Upper	
117	100		
119	94.7	78.1	117.1
121	30.5	27.0	40.6

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM



#34

Benzene

Concen: 18.598 ug/l

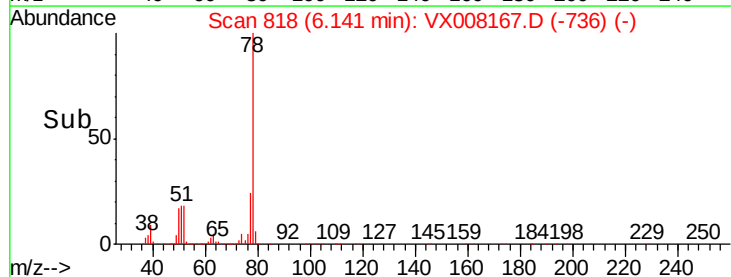
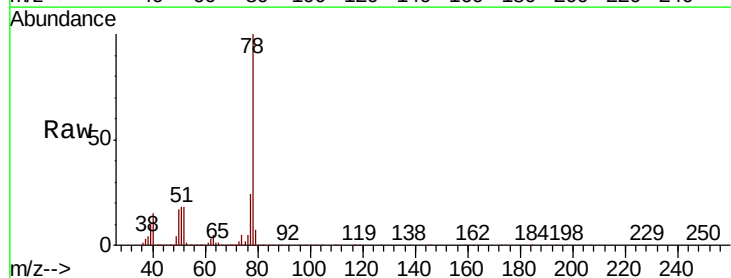
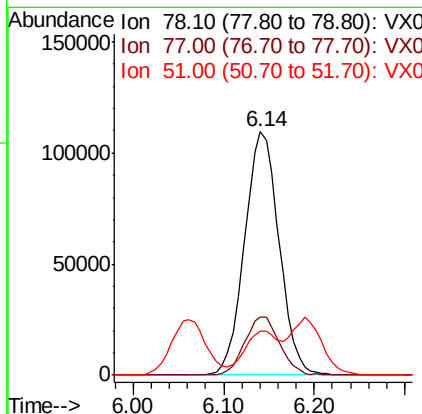
RT: 6.14 min Scan# 818

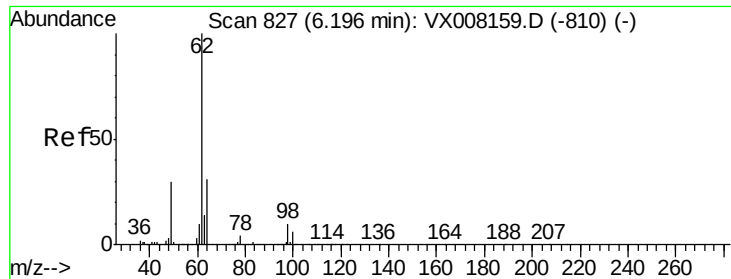
Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Tgt Ion:	78	Resp:	288390
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.1	28.7
51	15.4	10.8	16.2





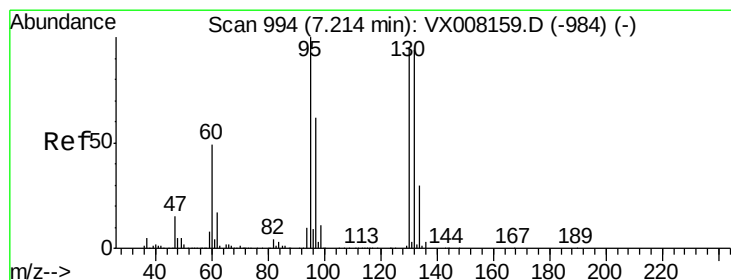
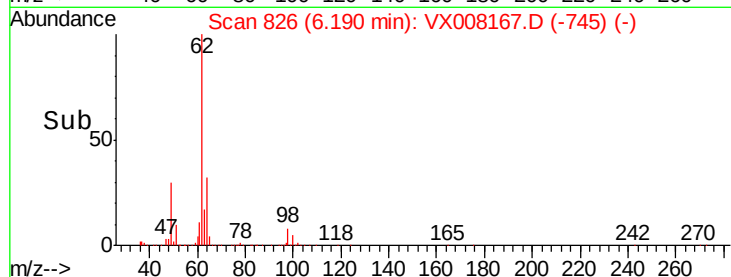
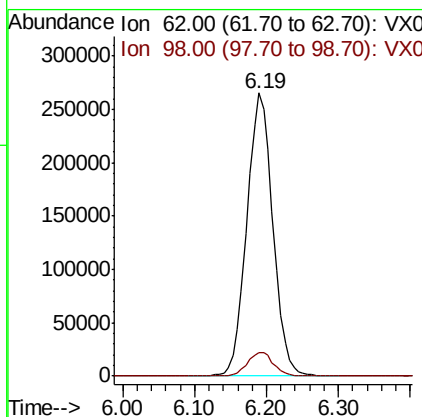
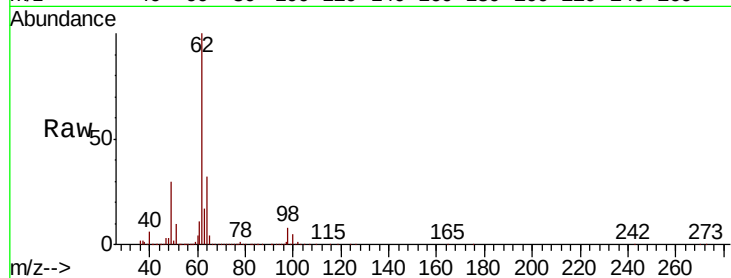
#36
 1,2-Dichloroethane
 Concen: 118.504 ug/l
 RT: 6.19 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ratio	Resp	Lower	Upper
62	100	666966		
98	8.4		7.8	11.8

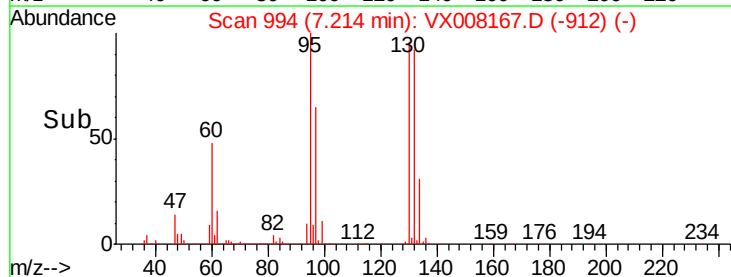
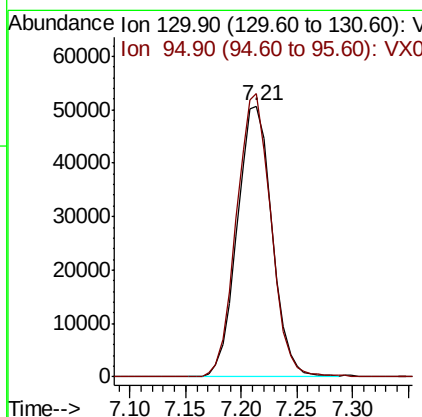
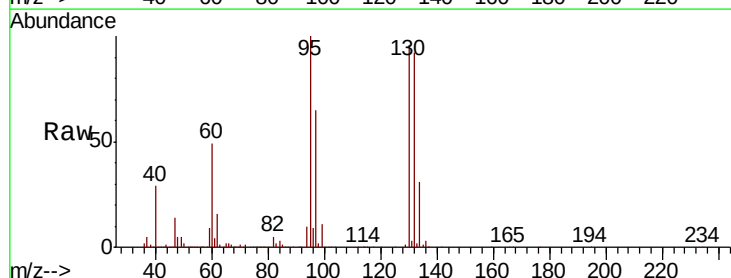
Manual Integrations
 APPROVED

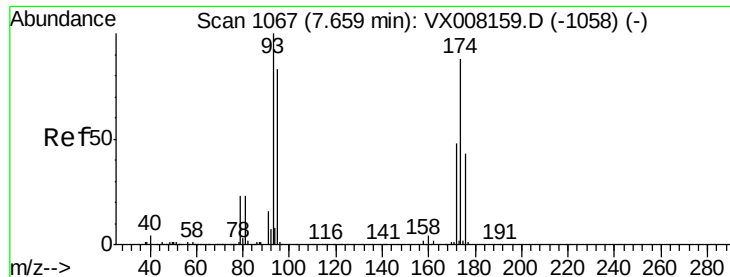
MMDadoda
 3/19/2019 9:37:22 AM



#37
 Trichloroethene
 Concen: 29.866 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	110359		
95	104.4		71.3	106.9





#40

Dibromomethane

Concen: 25.873 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

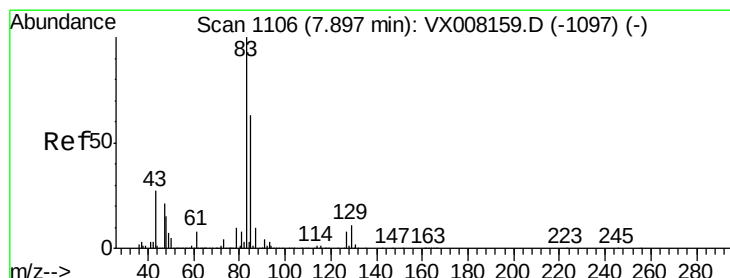
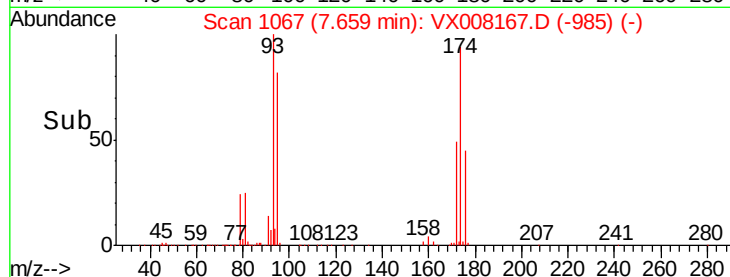
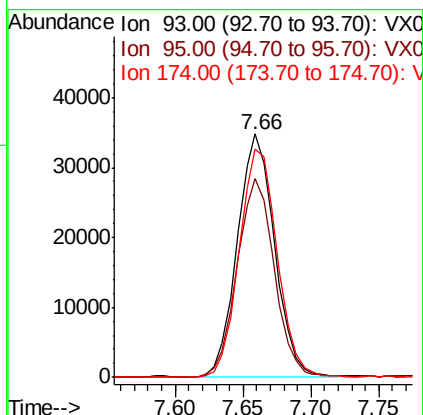
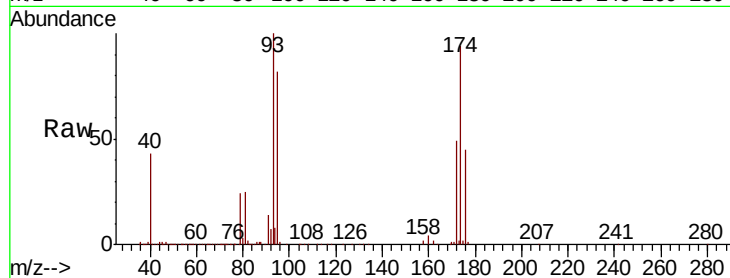
ClientSampleId :

PT-VOA-WP

Tot Ion:	93	Resp:	66897
Ion	Ratio	Lower	Upper
93	100		
95	81.6	0.0	158.8
174	95.7	0.0	224.2

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM



#41

Bromodichloromethane

Concen: 20.889 ug/l

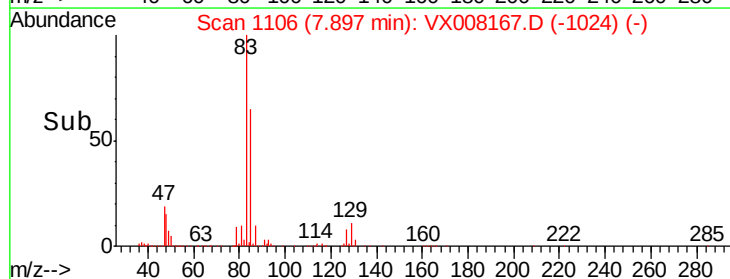
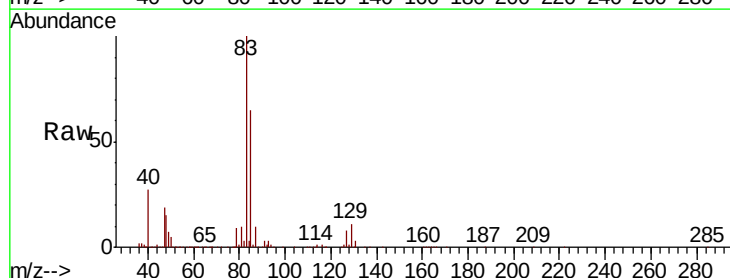
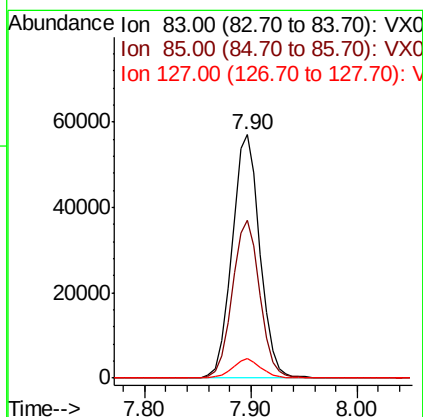
RT: 7.90 min Scan# 1106

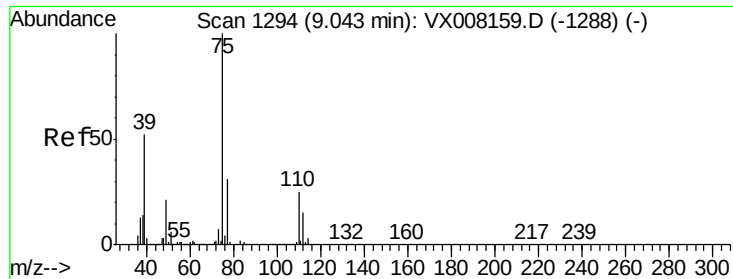
Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Tgt Ion:	83	Resp:	104438
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.1	76.7
127	8.2	7.2	10.8





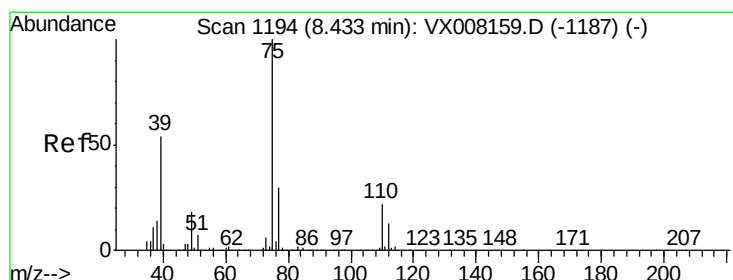
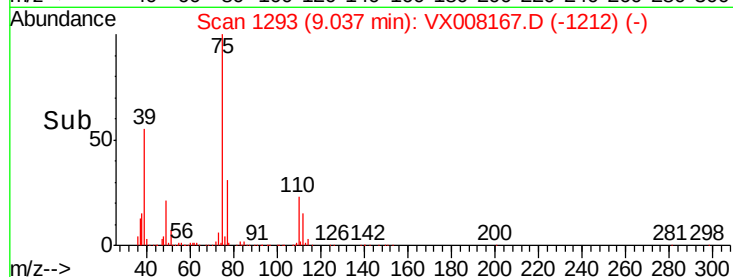
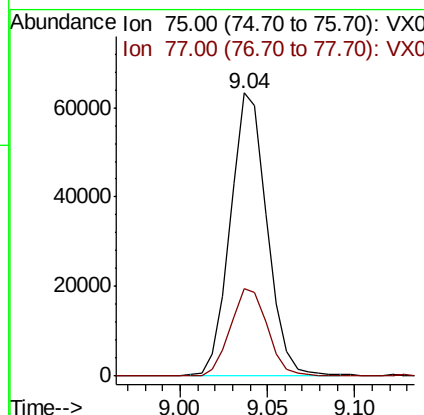
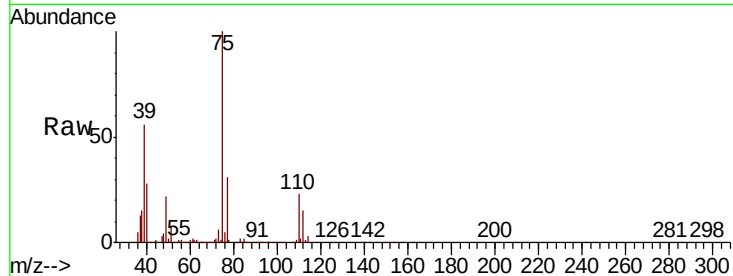
#48
t-1,3-Dichloropropene
Concen: 16.572 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.5	36.7

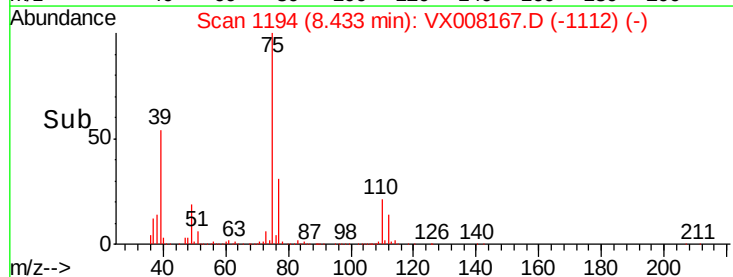
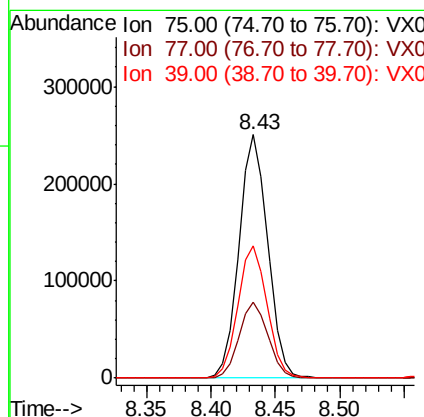
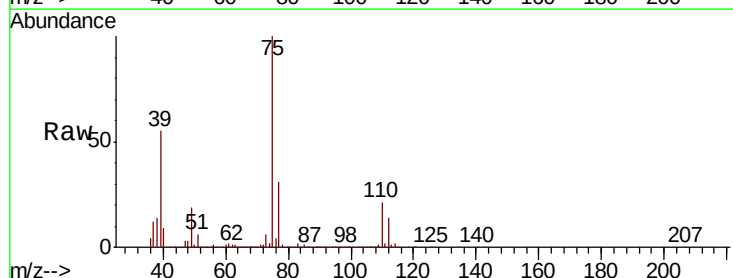
Manual Integrations
APPROVED

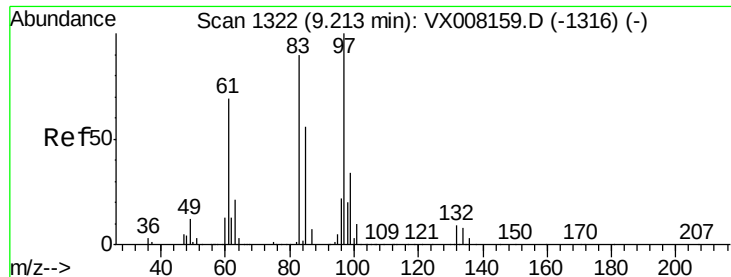
MMDadoda
3/19/2019 9:37:22 AM



#49
cis-1,3-Dichloropropene
Concen: 62.921 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	54.5	38.5	57.7





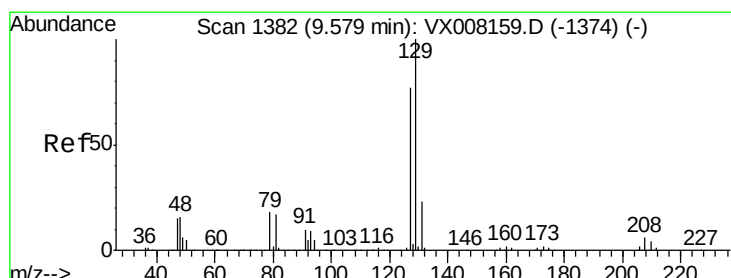
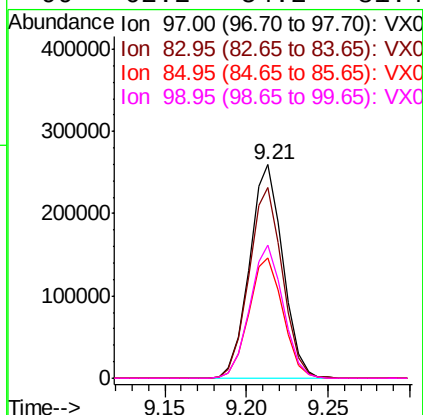
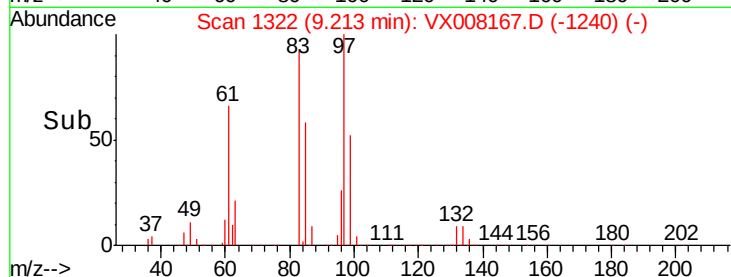
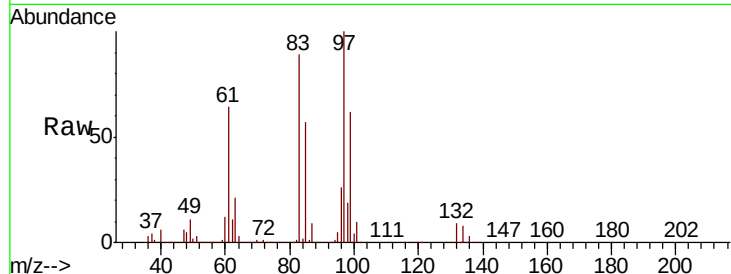
#50
 1,1,2-Trichloroethane
 Concen: 99.555 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	89.0	72.0	108.0	
85	56.6	45.0	67.6	
99	62.2	54.2	81.4	

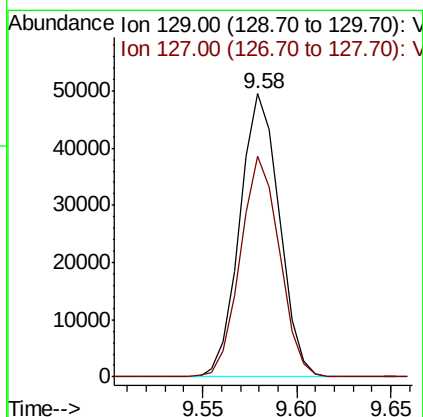
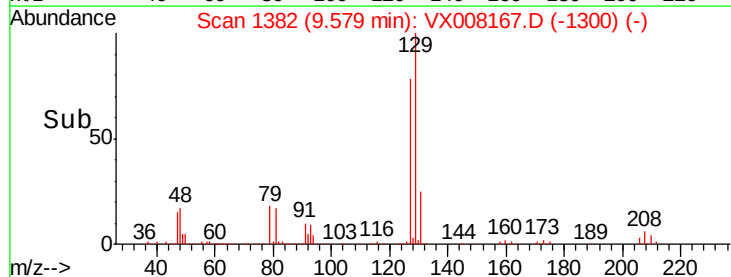
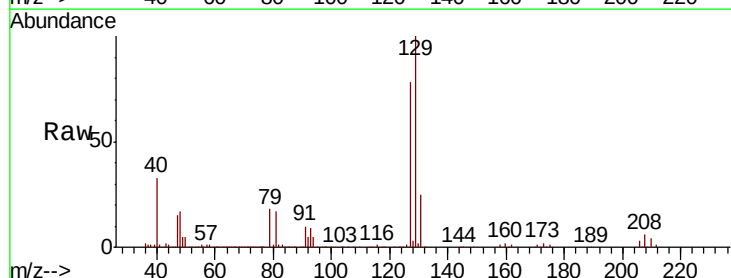
Manual Integrations
 APPROVED

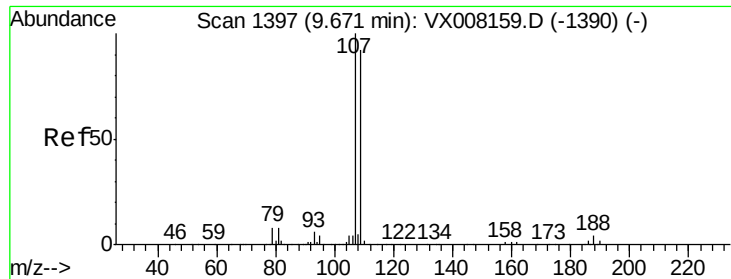
MMDadoda
 3/19/2019 9:37:22 AM



#53
 Dibromochloromethane
 Concen: 20.115 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.3	38.4	115.2	





#54

1,2-Dibromoethane

Concen: 87.854 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion:107 Resp: 340382

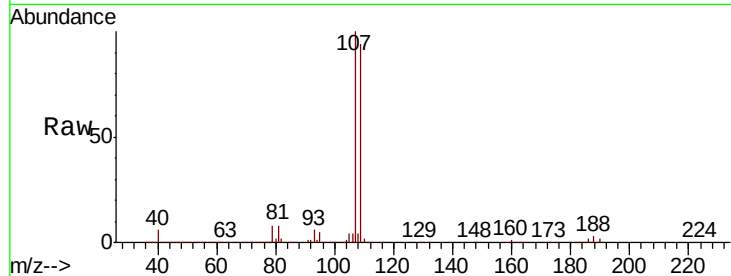
Ion Ratio Lower Upper

107 100

109 93.3 76.6 115.0

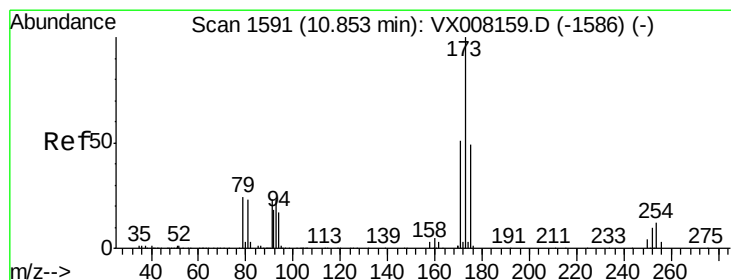
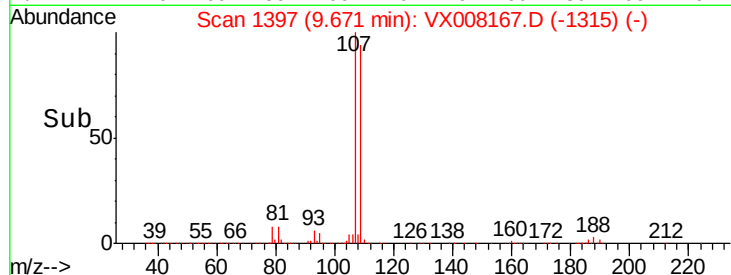
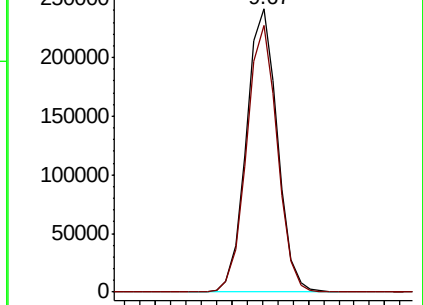
Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#56

Bromoform

Concen: 33.064 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

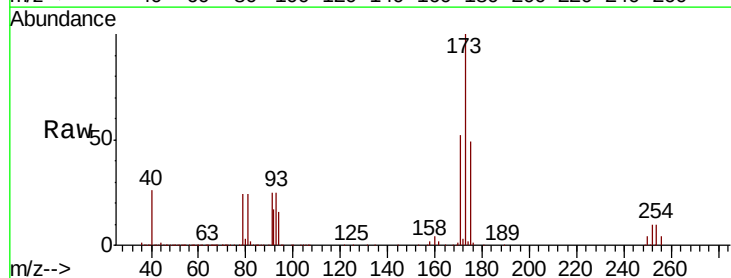
Tgt Ion:173 Resp: 85388

Ion Ratio Lower Upper

173 100

175 49.2 38.5 57.7

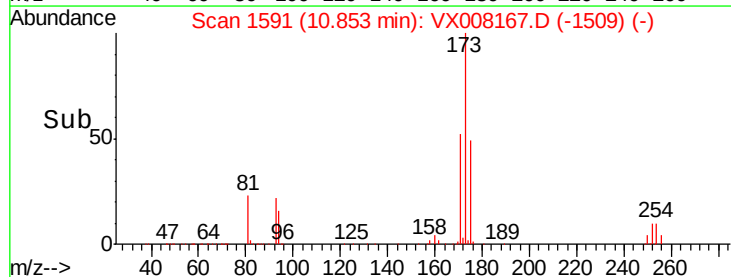
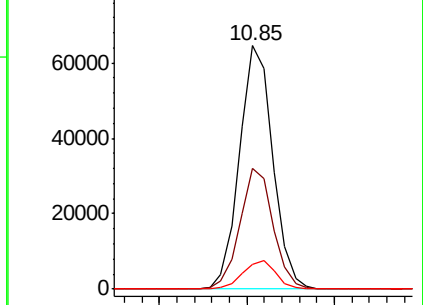
254 11.4 7.4 11.2#

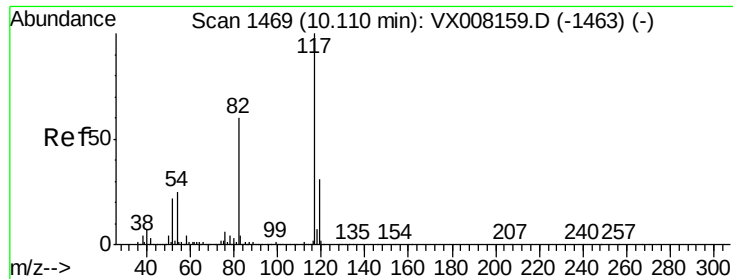


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





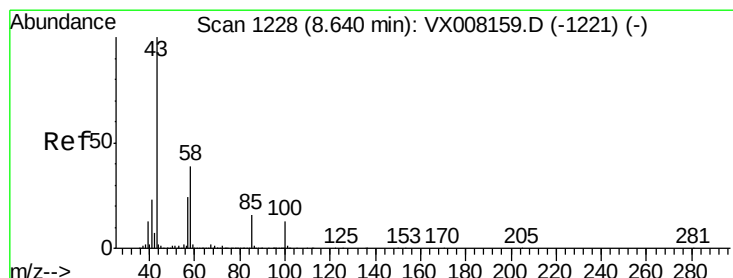
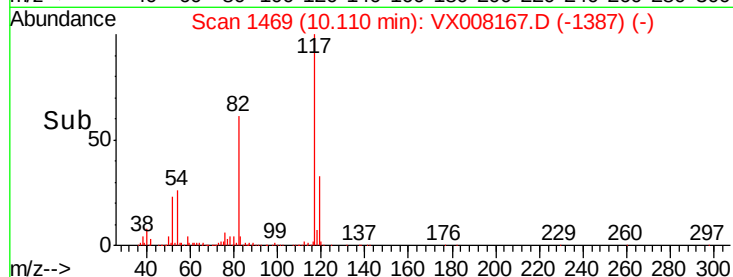
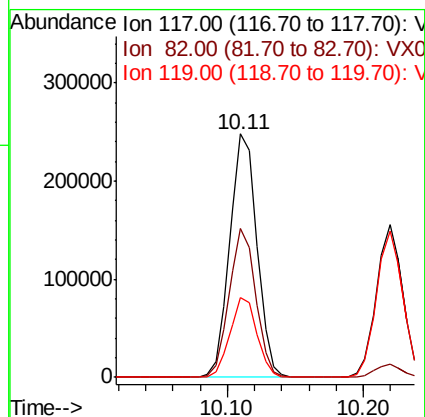
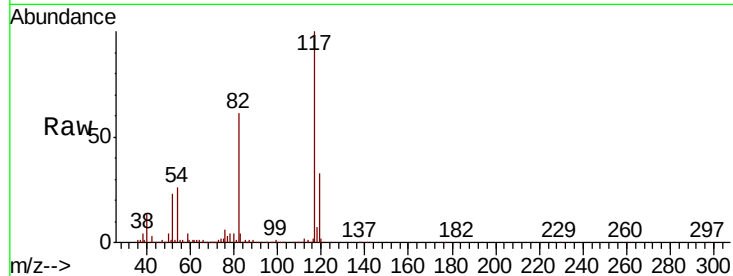
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	40.4	60.6
119	32.4	25.8	38.6

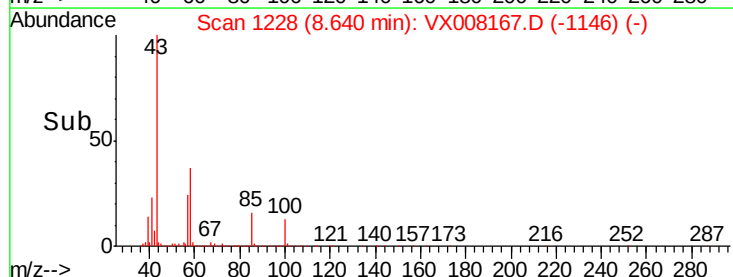
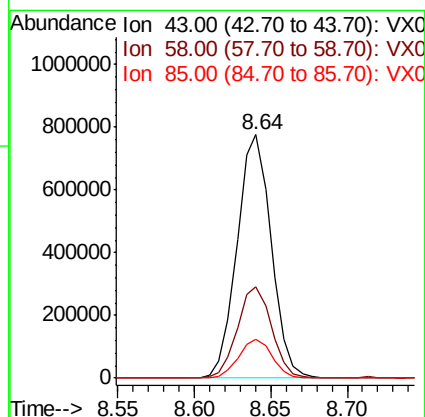
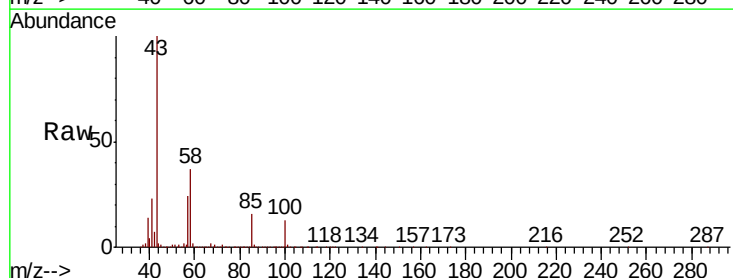
Manual Integrations
APPROVED

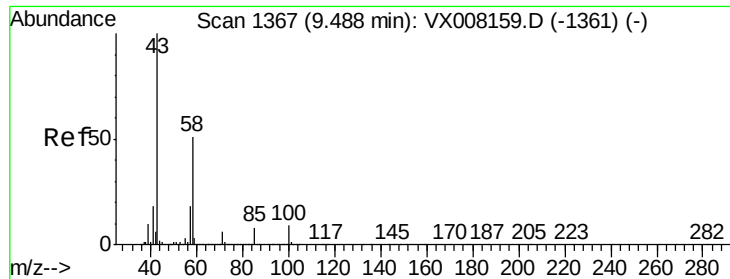
MMDadoda
3/19/2019 9:37:22 AM



#58
4-Methyl-2-Pentanone
Concen: 182.177 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	31.4	47.0
85	15.8	15.0	22.6





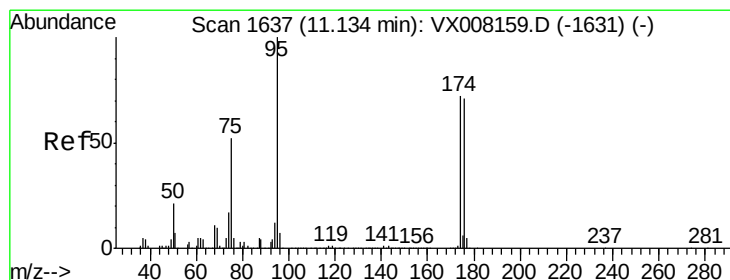
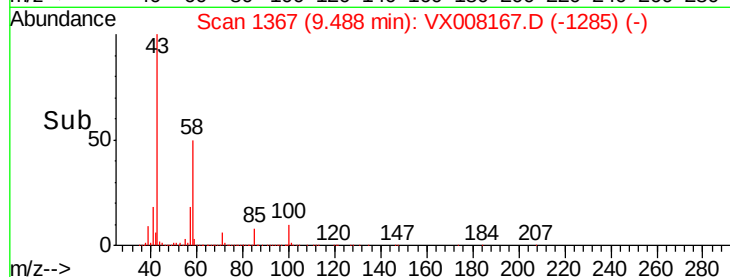
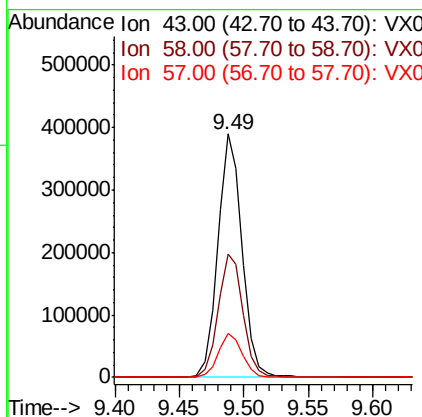
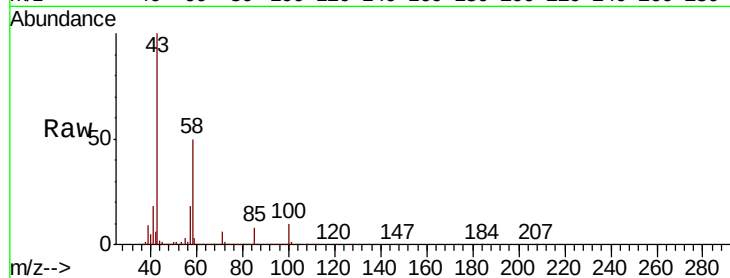
#59
2-Hexanone
Concen: 98.667 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.9	65.9
57	18.0	14.9	22.3

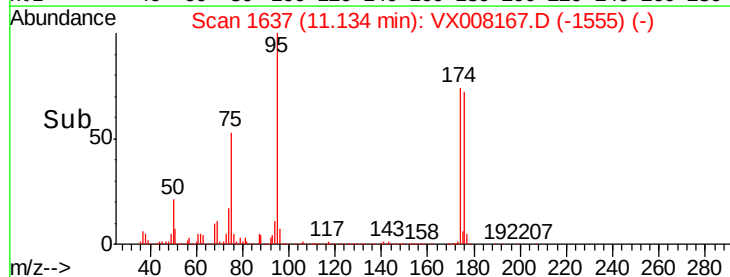
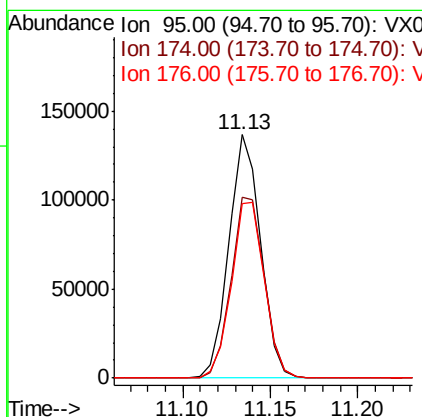
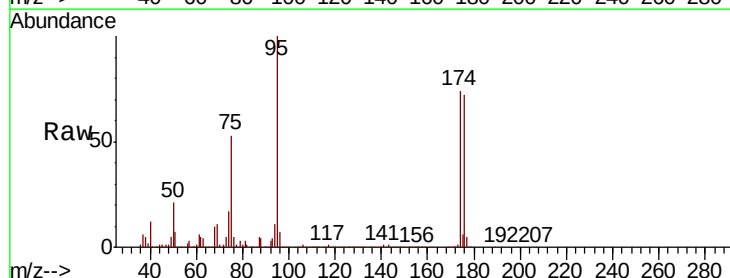
Manual Integrations
APPROVED

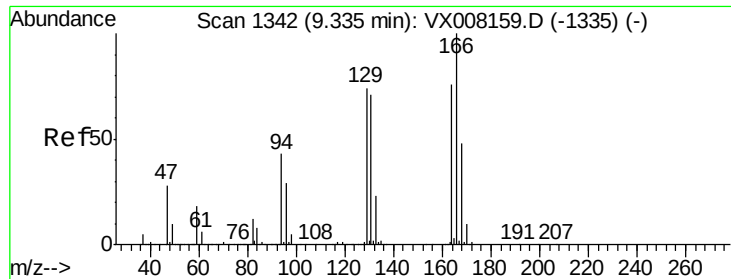
MMDadoda
3/19/2019 9:37:22 AM



#60
4-Bromofluorobenzene
Concen: 30.007 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.7	74.9	112.3
176	75.2	70.7	106.1





#61

Tetrachloroethene

Concen: 20.054 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion:164 Resp: 69604

Ion Ratio Lower Upper

164 100

166 125.4 103.9 155.9

129 96.4 74.7 112.1

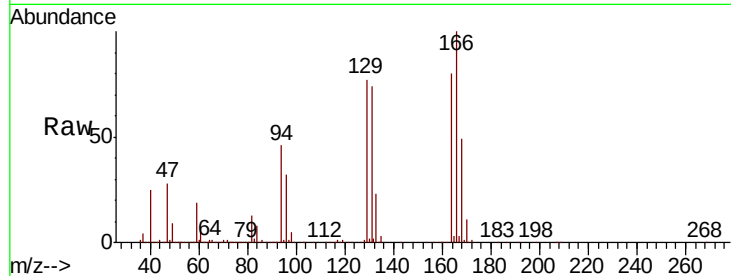
131 92.8 71.7 107.5

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:37:22 AM

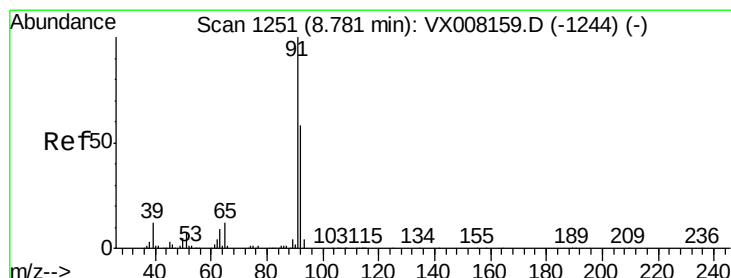
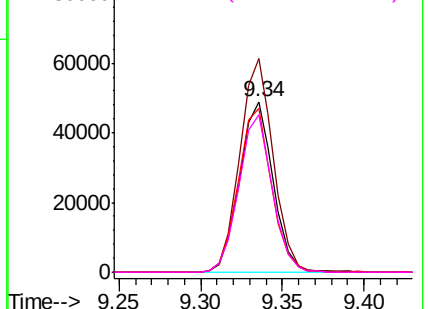
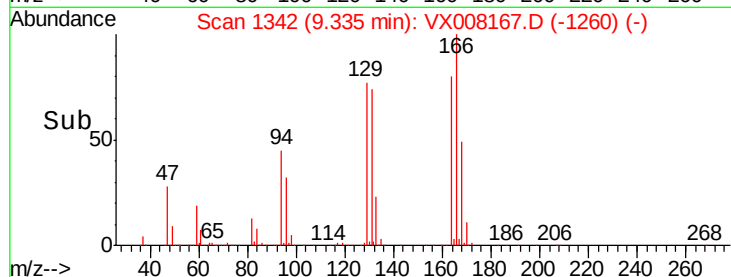


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 33.922 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008167.D

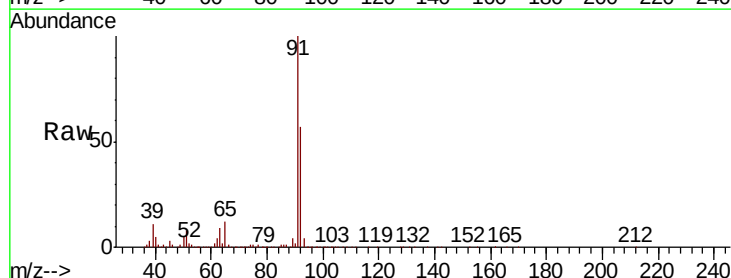
Acq: 18 Mar 2019 15:40

Tgt Ion: 91 Resp: 552895

Ion Ratio Lower Upper

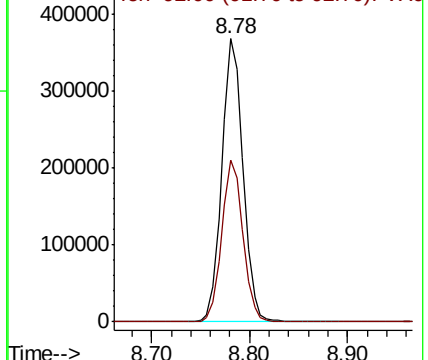
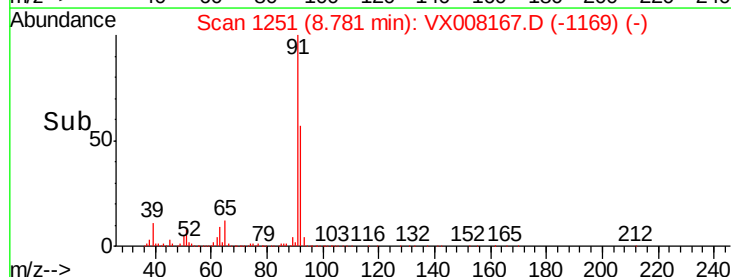
91 100

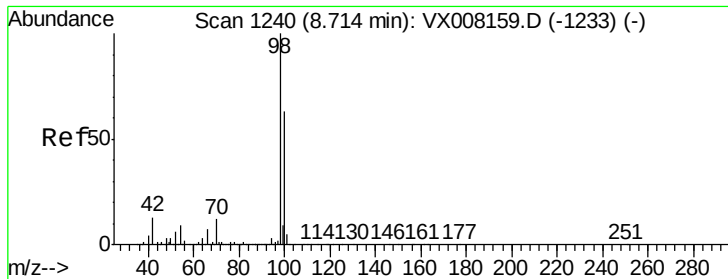
92 56.9 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.002 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion: 98 Resp: 502390

Ion Ratio Lower Upper

98 100

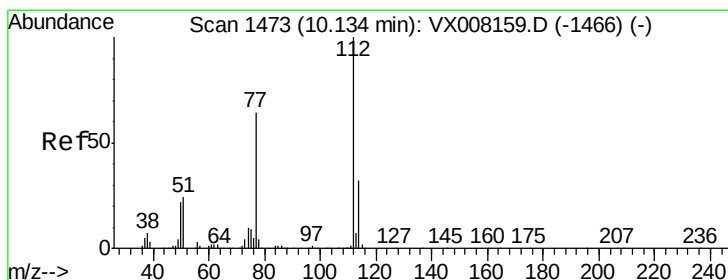
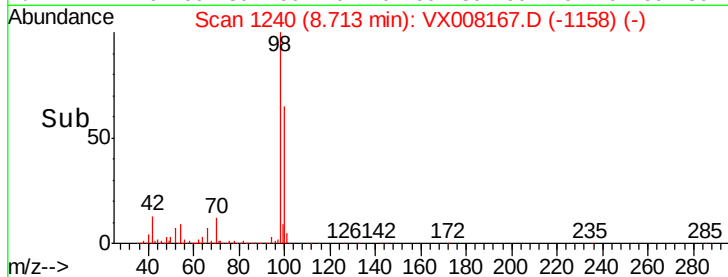
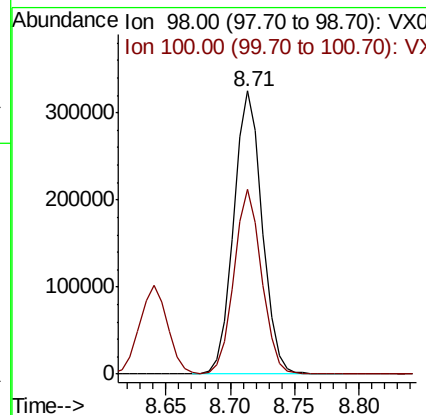
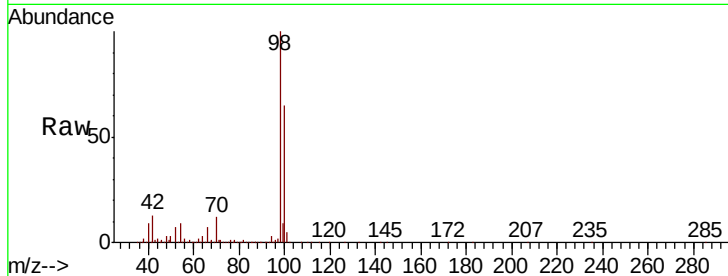
100 63.7 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

3/19/2019 9:37:22 AM



#64

Chlorobenzene

Concen: 77.986 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008167.D

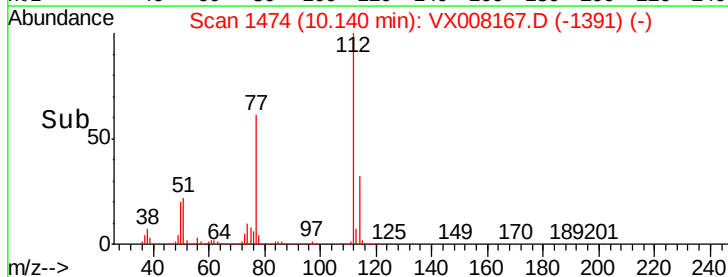
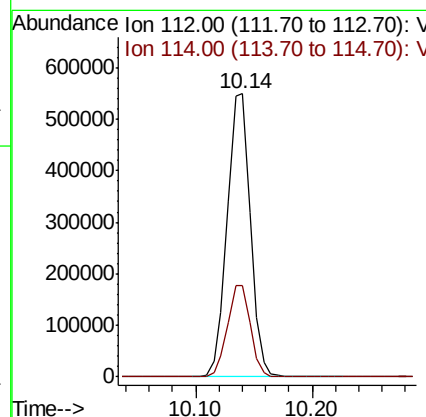
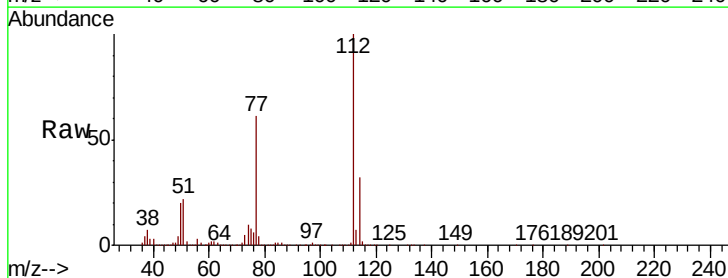
Acq: 18 Mar 2019 15:40

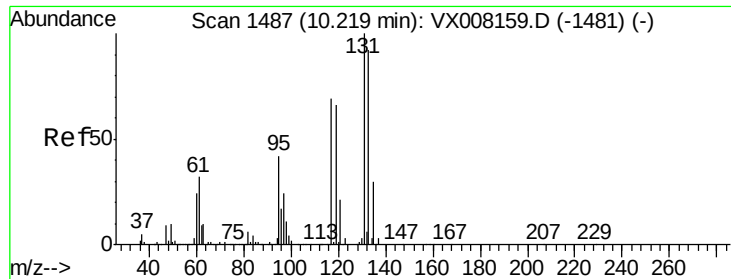
Tgt Ion: 112 Resp: 756501

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 87.458 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

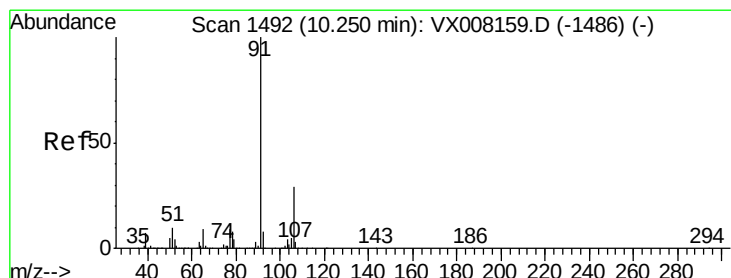
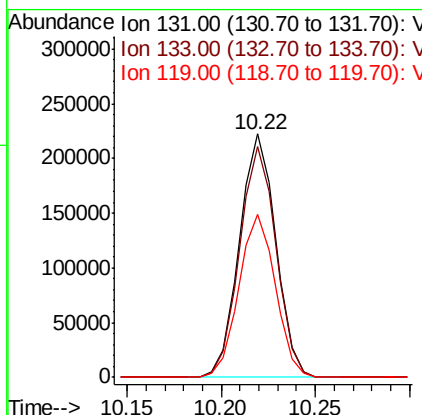
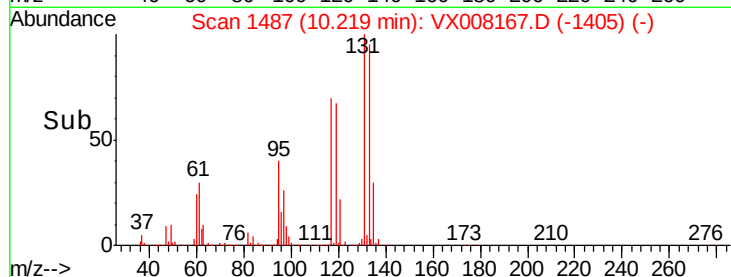
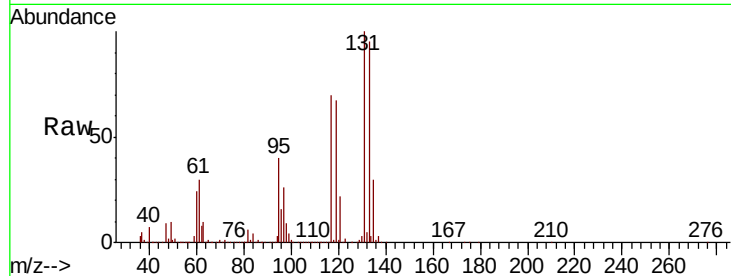
ClientSampleId :

PT-VOA-WP

Tot Ion:	131	Resp:	297486
Ion Ratio	Lower	Upper	
131	100		
133	95.1	0.0	191.6
119	67.2	0.0	127.4

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM



#66

Ethyl Benzene

Concen: 50.313 ug/l

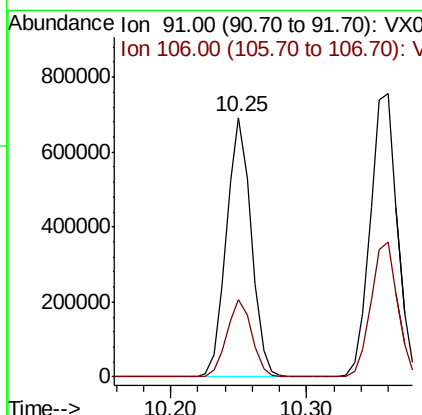
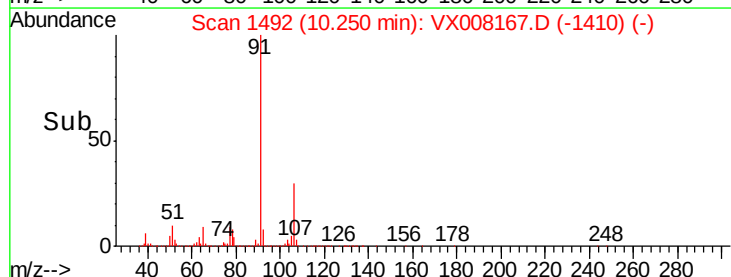
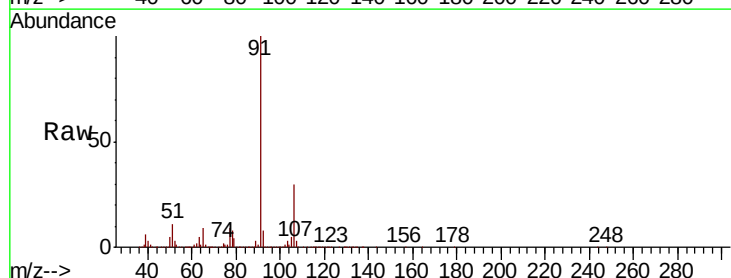
RT: 10.25 min Scan# 1492

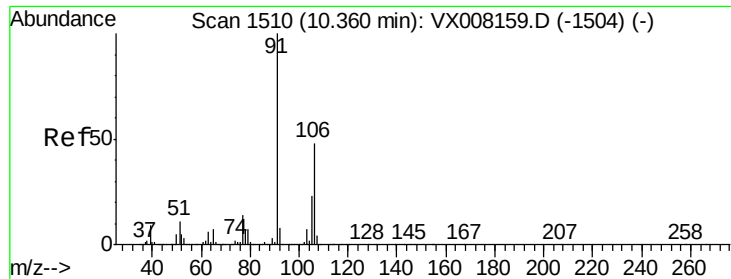
Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Tgt Ion:	91	Resp:	875876
Ion Ratio	Lower	Upper	
91	100		
106	29.8	26.0	39.0





#67

m/p-Xylenes

Concen: 76.058 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion:106 Resp: 489138

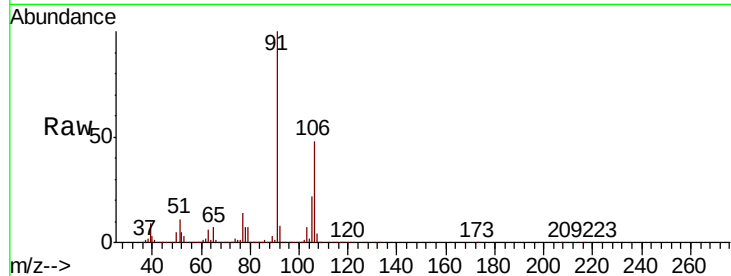
Ion Ratio Lower Upper

106 100

91 211.9 157.0 235.4

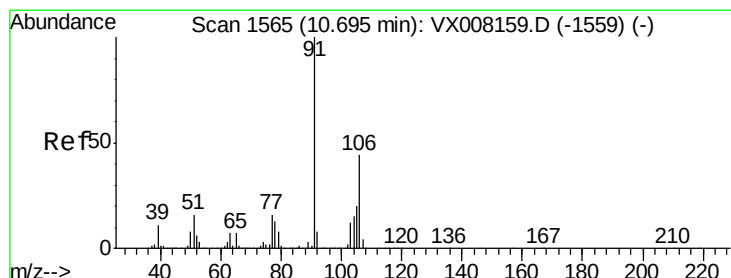
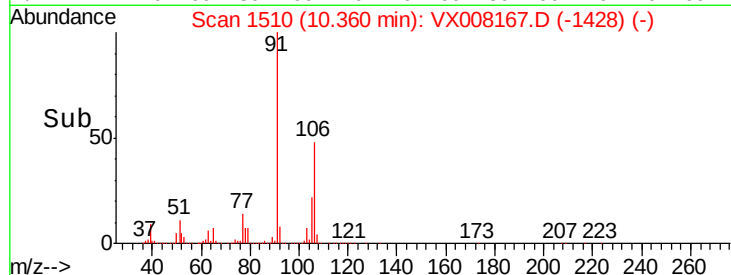
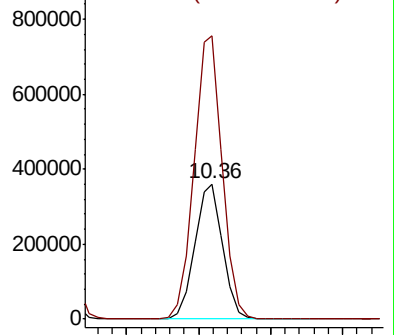
Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 124.318 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX008167.D

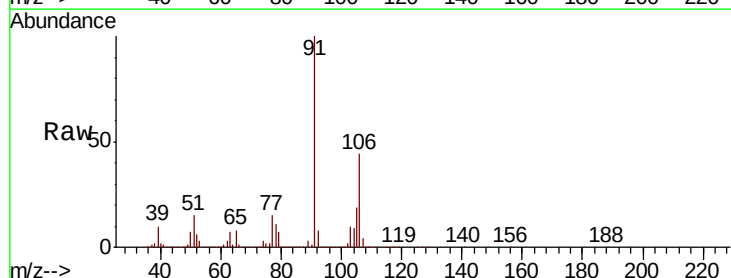
Acq: 18 Mar 2019 15:40

Tgt Ion:106 Resp: 768275

Ion Ratio Lower Upper

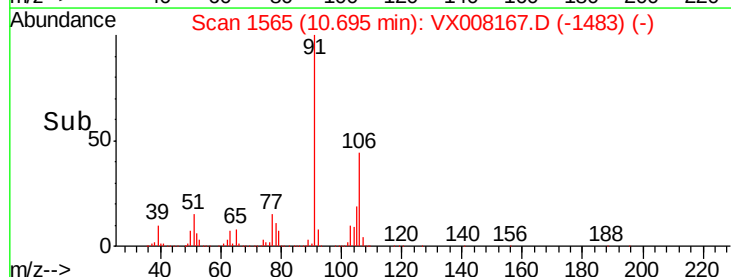
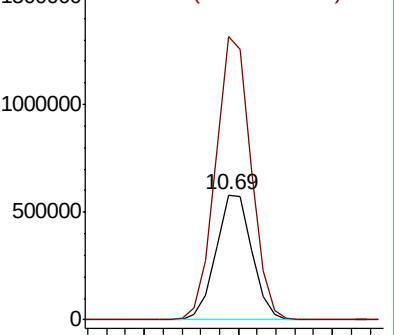
106 100

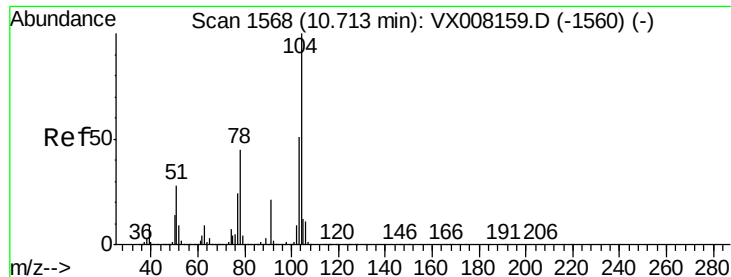
91 222.7 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





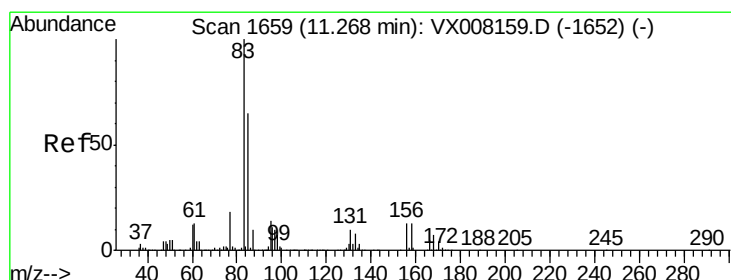
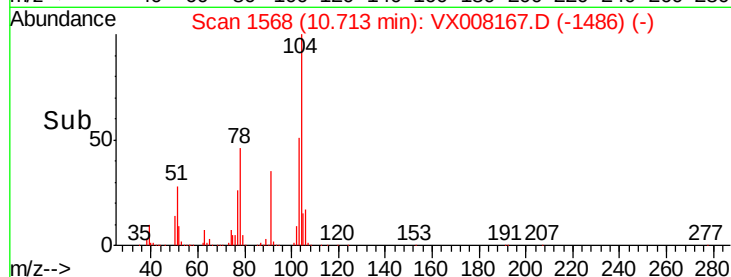
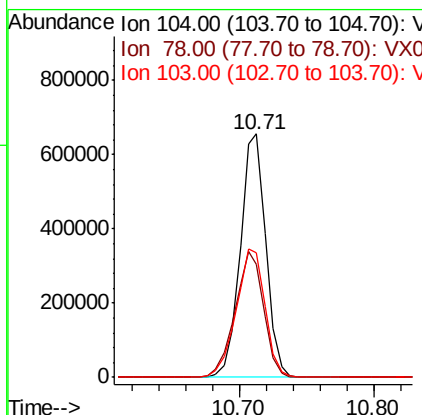
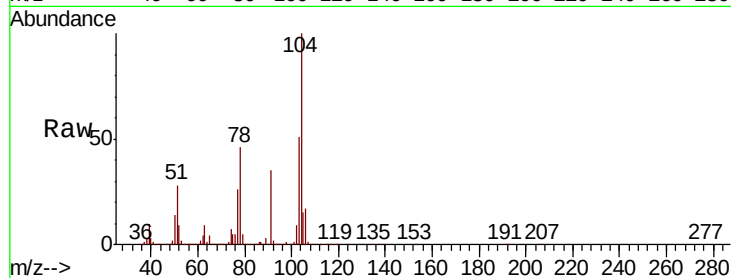
#69
Stvrene
Concen: 86.124 ug/l m
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	38.2	57.2#
103	0.0	45.0	67.4#

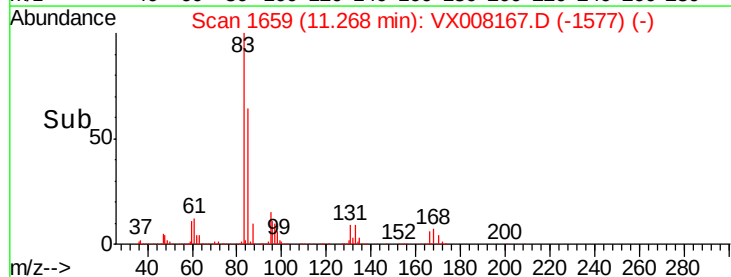
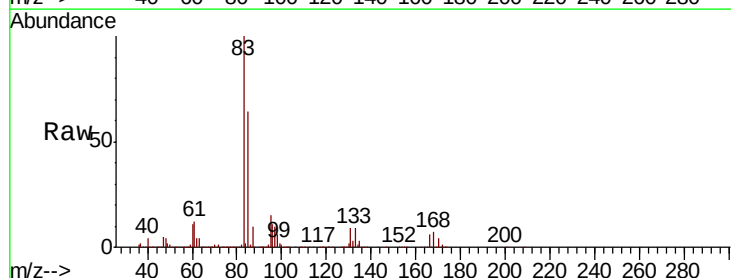
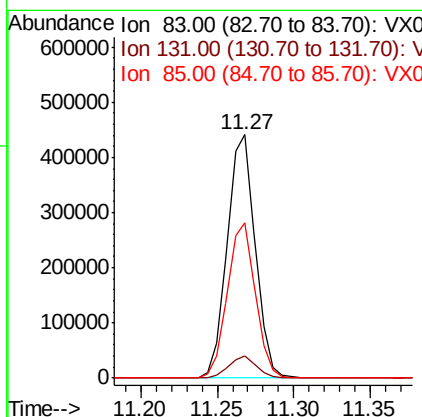
Manual Integrations
APPROVED

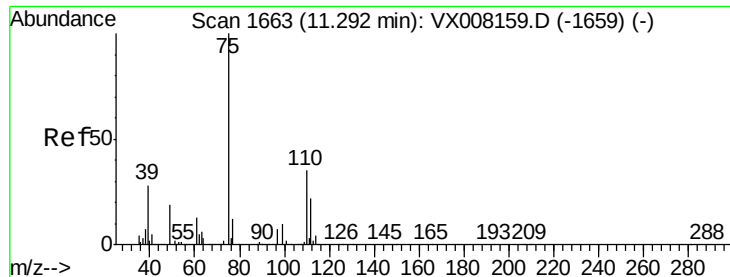
MMDadoda
3/19/2019 9:37:22 AM



#71
1,1,2,2-Tetrachloroethane
Concen: 95.838 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.9	5.4	16.2
85	63.9	32.8	98.4





#72

1,2,3-Trichloropropane

Concen: 21.761 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

PT-VOA-WP

Tot Ion: 75 Resp: 109535

Ion Ratio Lower Upper

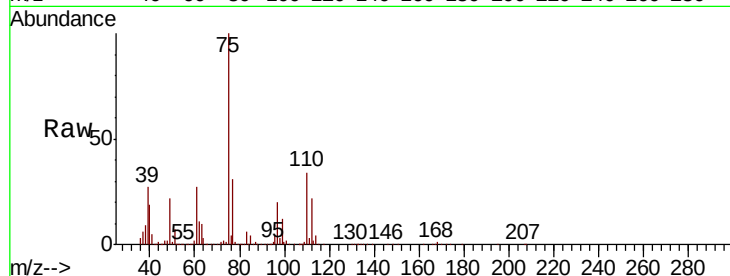
75 100

77 31.5 0.0 76.4

Manual Integrations
APPROVED

MMDadoda

3/19/2019 9:37:22 AM



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.29

100000

80000

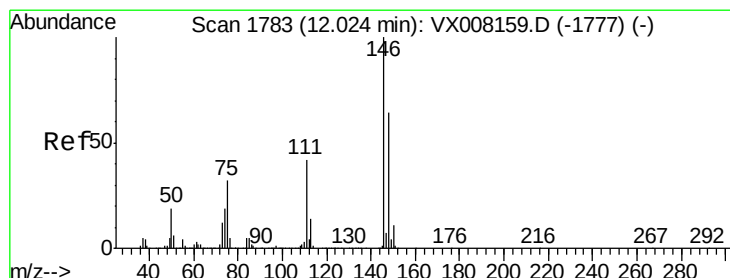
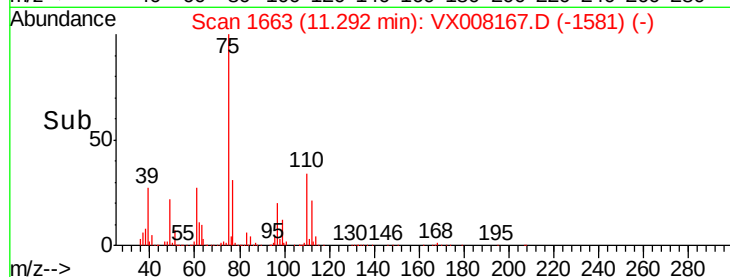
60000

40000

20000

0

Time-->



#83

1,3-Dichlorobenzene

Concen: 87.410 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008167.D

Acq: 18 Mar 2019 15:40

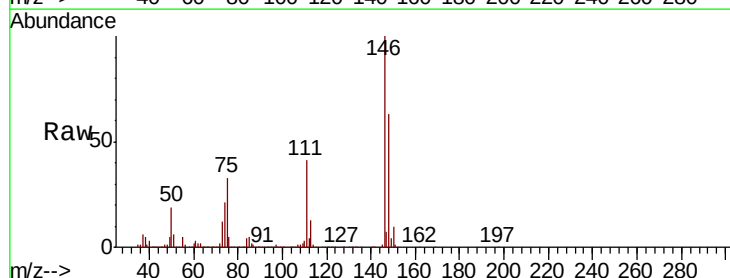
Tgt Ion: 146 Resp: 617915

Ion Ratio Lower Upper

146 100

111 41.6 18.8 56.3

148 64.2 30.6 91.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.02

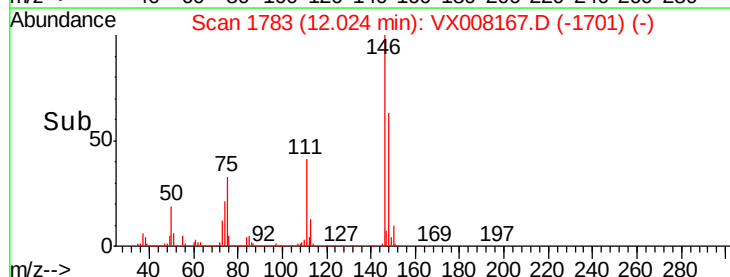
600000

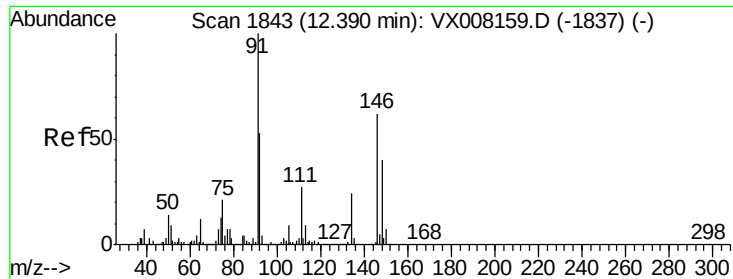
400000

200000

0

Time-->





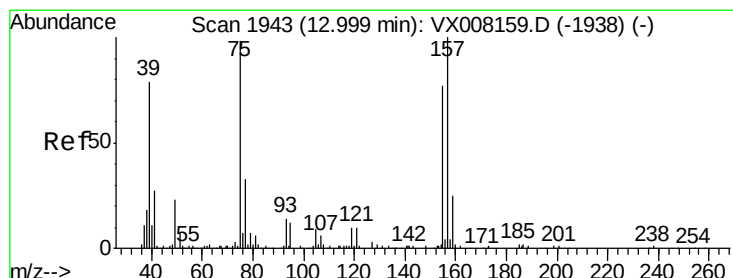
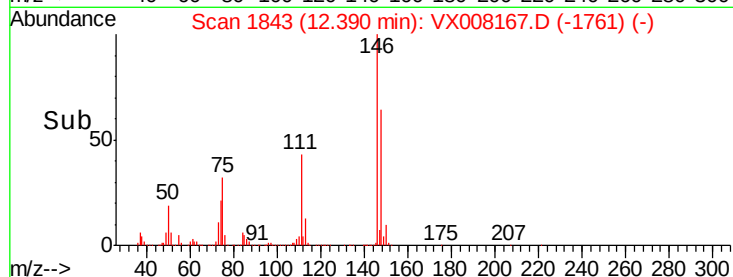
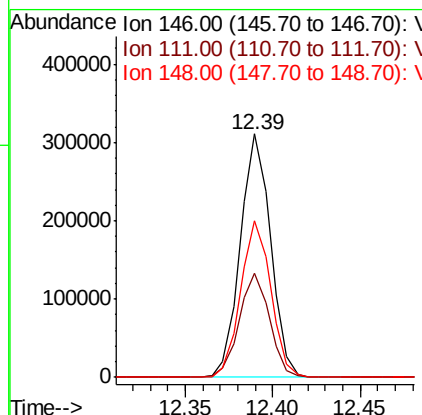
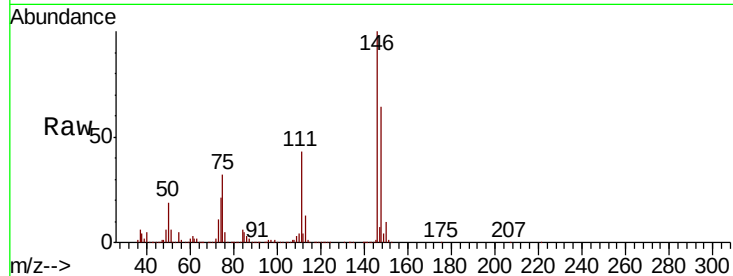
#87
 1,2-Dichlorobenzene
 Concen: 53.237 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.3	57.8
148	63.5	32.1	96.3

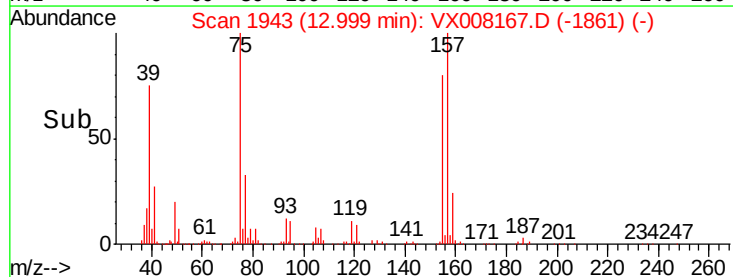
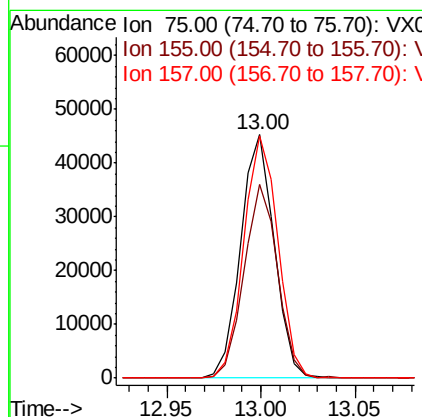
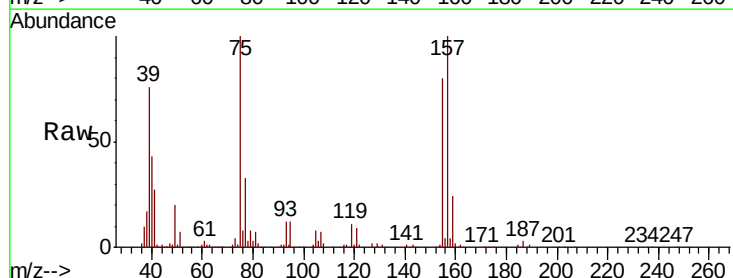
Manual Integrations
 APPROVED

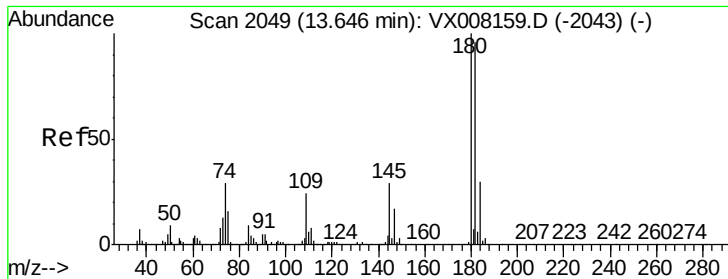
MMDadoda
 3/19/2019 9:37:22 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 43.358 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	81.0	121.6#
157	100.8	103.2	154.8#





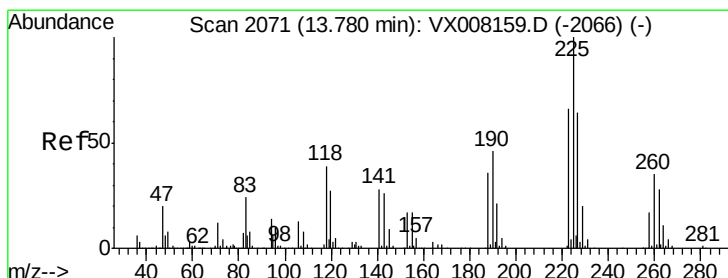
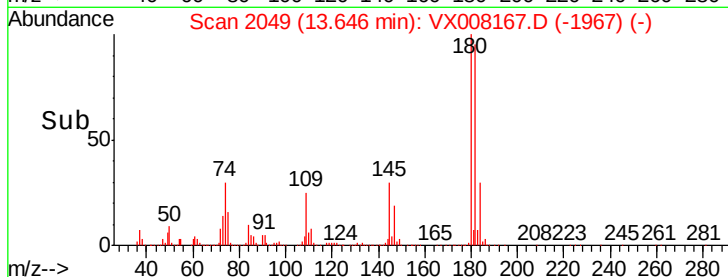
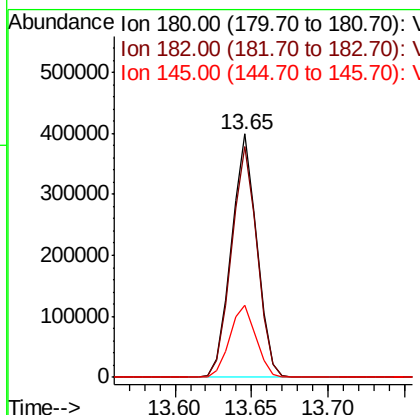
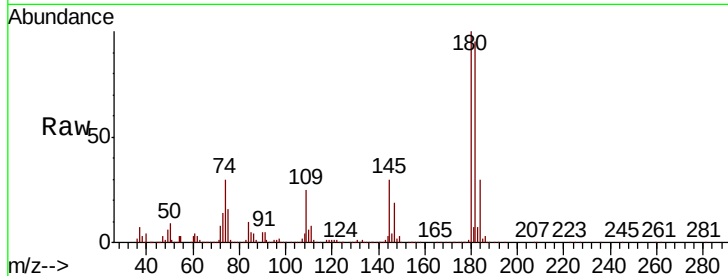
#89
 1,2,4-Trichlorobenzene
 Concen: 100.245 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ratio	Resp	Lower	Upper
180	100	459966		
182	95.3	75.6	113.4	
145	30.5	23.0	34.6	

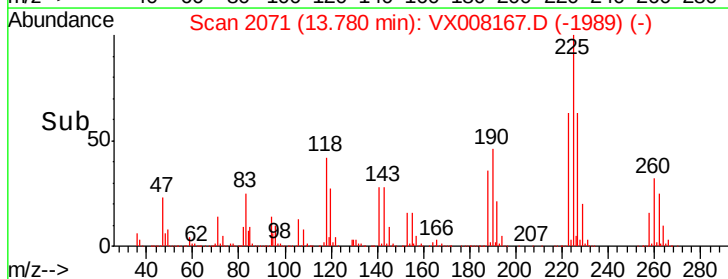
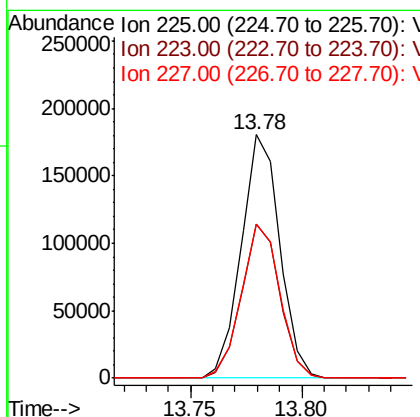
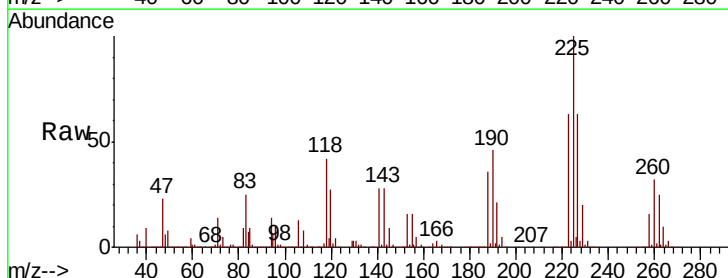
Manual Integrations
 APPROVED

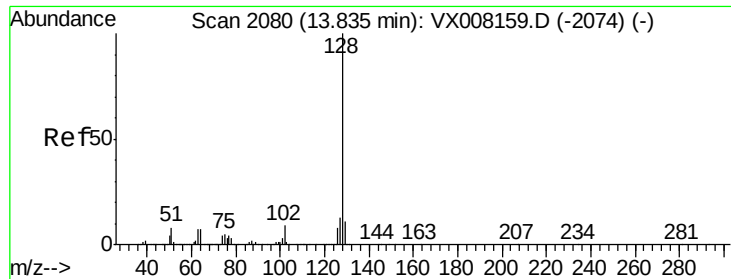
MMDadoda
 3/19/2019 9:37:22 AM



#90
 Hexachlorobutadiene
 Concen: 91.500 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008167.D
 Acq: 18 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	217874		
223	62.9	0.0	123.8	
227	63.7	0.0	124.4	





#91
Naphthalene
Concen: 37.759 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008167.D
Acq: 18 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:37:22 AM

