

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005599.D
 Acq On : 24 Sep 2018 21:22
 Operator : VA/AP
 Sample : J5042-04
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 2018-NYSEG-CLARK-PH4-AREA-9-

Manual Integrations
 APPROVED

apatel
 9/25/2018 11:55:22 AM

Quant Time: Sep 25 07:50:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	2489	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.64	117	2611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	47487	2187.14	ug/l	0.00
Spiked Amount				50.000		
				Recovery	= 4374.28%	
35) Dibromofluoromethane	7.89	113	39982	2554.38	ug/l	0.00
Spiked Amount				50.000		
				Recovery	= 5108.76%	
50) Toluene-d8	10.33	98	102777	1612.62	ug/l	0.00
Spiked Amount				50.000		
				Recovery	= 3225.24%	
62) 4-Bromofluorobenzene	12.63	95	35710	1514.24	ug/l	0.00
Spiked Amount				50.000		
				Recovery	= 3028.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.37	62	1993	112.542	ug/l	99
16) Acetone	4.14	43	11506	3493.375	ug/l	98
17) Carbon Disulfide	4.38	76	4472	85.271	ug/l #	94
20) Methylene Chloride	4.92	84	15946	954.134	ug/l	90
25) 2-Butanone	7.20	43	2723	516.374	ug/l	97
31) Cyclohexane	7.96	56	2154	63.992	ug/l #	75
39) Methylcyclohexane	9.34	83	7874	266.361	ug/l #	93
40) Benzene	8.33	78	426247	6004.146	ug/l	99
44) Trichloroethene	9.10	130	1703	93.718	ug/l	85
52) Toluene	10.40	92	1288045	29078.113	ug/l	99
64) Tetrachloroethene	10.87	164	3386	182.718	ug/l	92
65) Chlorobenzene	11.66	112	1353	24.410	ug/l	97
67) Ethyl Benzene	11.74	91	3209541	32622.007	ug/l	100
68) m/p-Xylenes	11.85	106	2252062	60587.350	ug/l	99
69) o-Xylene	12.18	106	1594456	45802.352	ug/l	100
73) Isopropylbenzene	12.47	105	819081	7470.772	ug/l	100
78) n-propylbenzene	12.81	91	73984	557.370	ug/l #	53
80) 1,3,5-Trimethylbenzene	12.95	105	2818398	29563.121	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	3993507	41509.930	ug/l	97
86) p-Isopropyltoluene	13.51	119	238658	2292.188	ug/l	91
89) n-Butylbenzene	13.83	91	28002m	285.133	ug/l	
95) Naphthalene	15.38	128	3491700	62735.496	ug/l	100

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

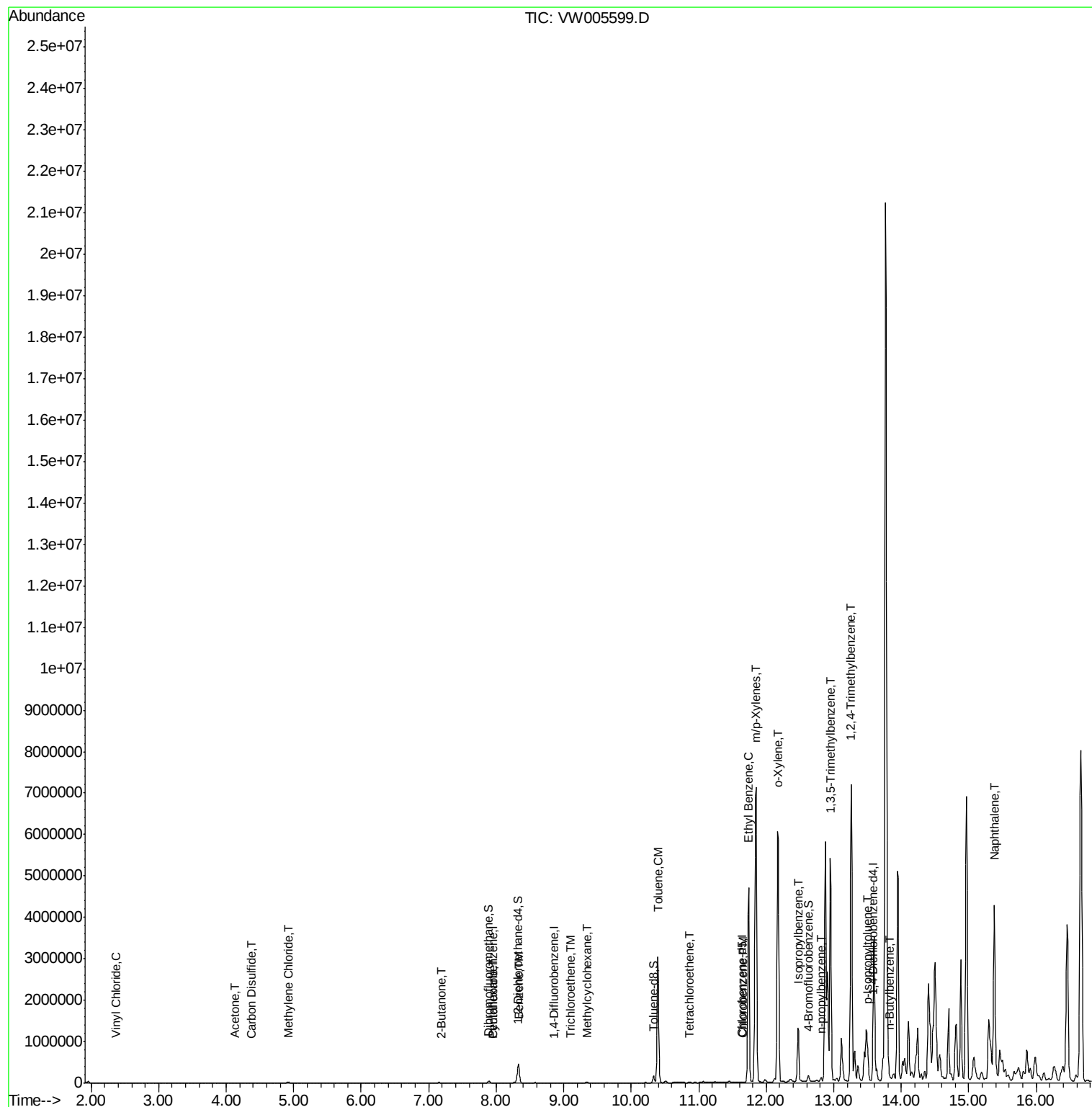
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092418\
Data File : VW005599.D
Acq On : 24 Sep 2018 21:22
Operator : VA/AP
Sample : J5042-04
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

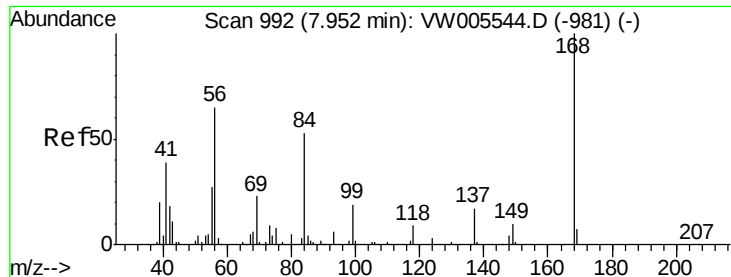
Instrument :
MSVOA_W
ClientSampleId :
2018-NYSEG-CLARK-PH4-AREA-9-

Manual Integrations
APPROVED

apatel
9/25/2018 11:55:22 AM

Quant Time: Sep 25 07:50:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

Instrument :

MSVOA_W

ClientSampleId :

2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion:168 Resp: 1843

Ion Ratio Lower Upper

168 100

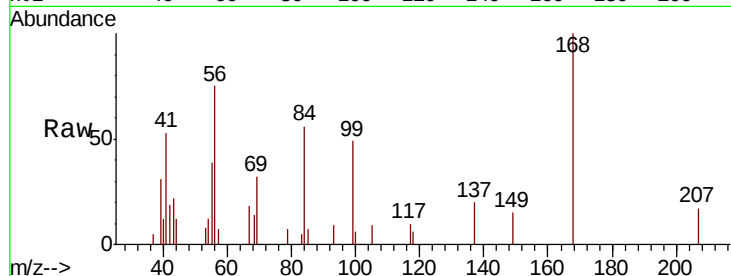
99 48.8 48.4 72.6

Manual Integrations

APPROVED

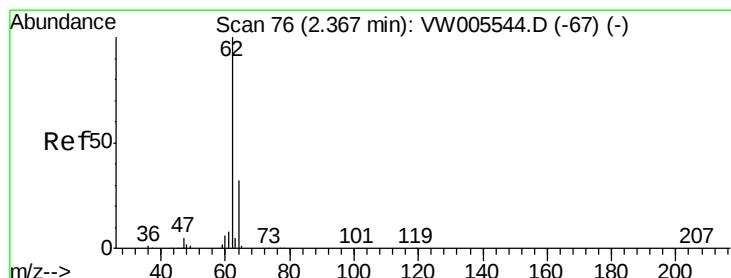
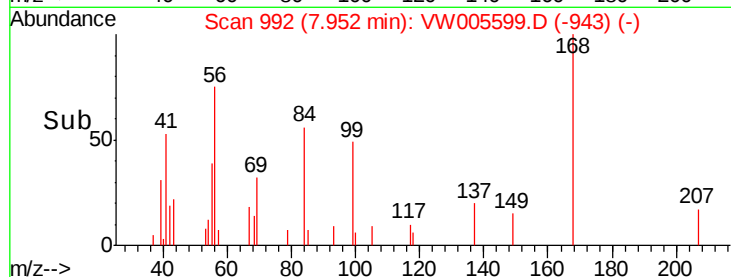
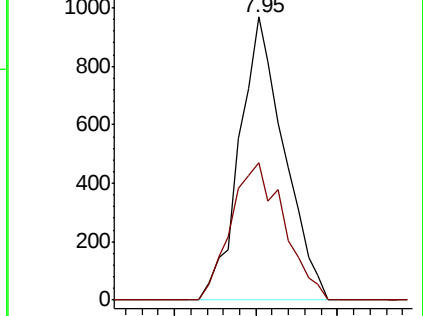
apatel

9/25/2018 11:55:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 112.542 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005599.D

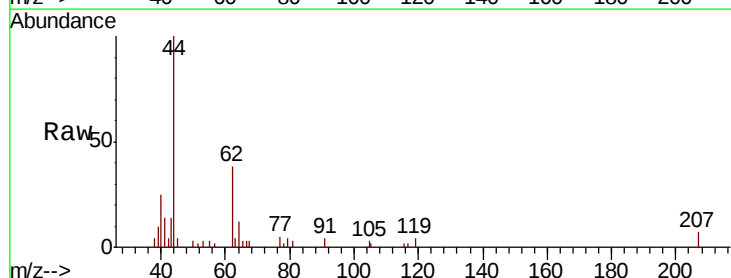
Acq: 24 Sep 2018 21:22

Tgt Ion: 62 Resp: 1993

Ion Ratio Lower Upper

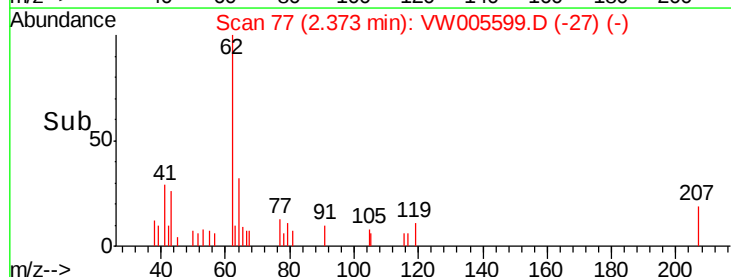
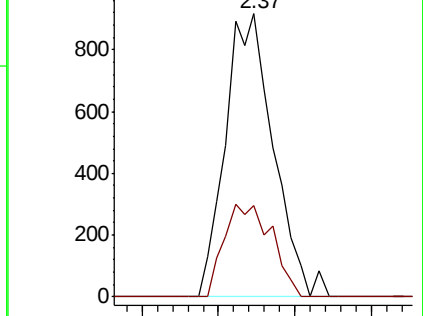
62 100

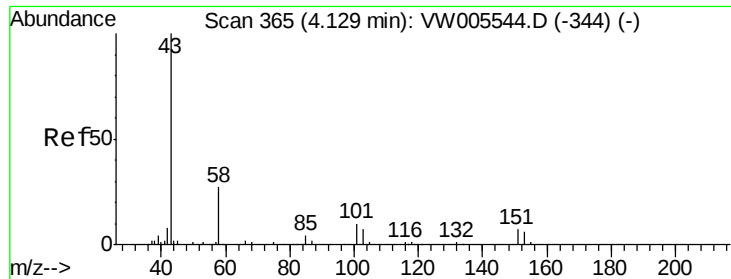
64 32.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





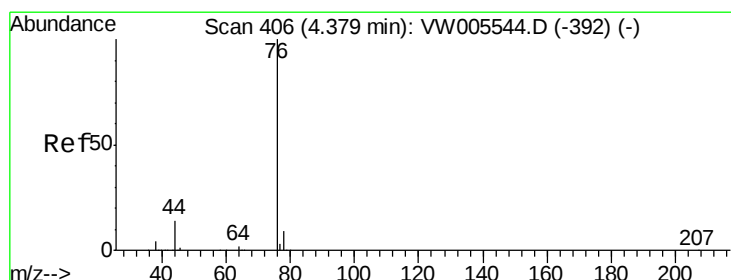
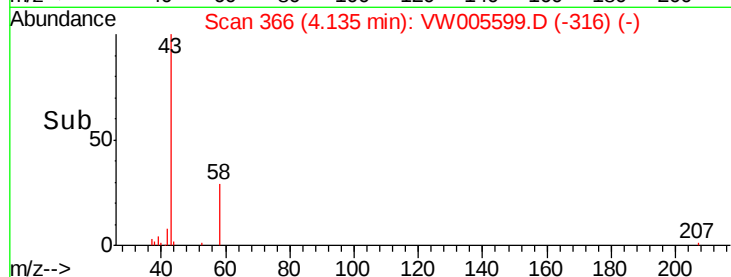
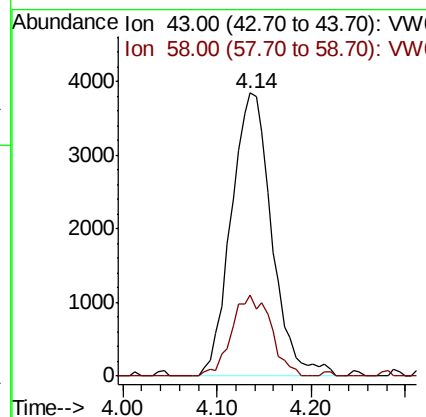
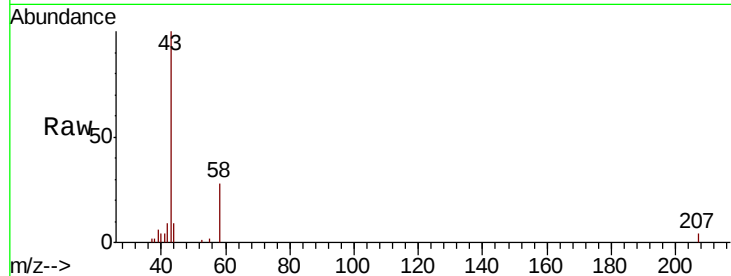
#16
Acetone
Concen: 3493.375 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Instrument :
MSVOA_W
ClientSampleId :
2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion	43	Resp	11506
Ion Ratio	100	Lower	Upper
43	100		
58	28.5	21.8	32.8

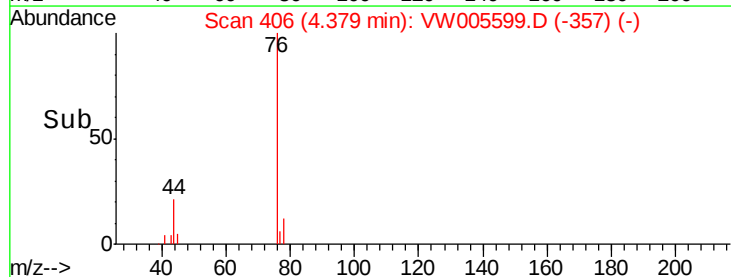
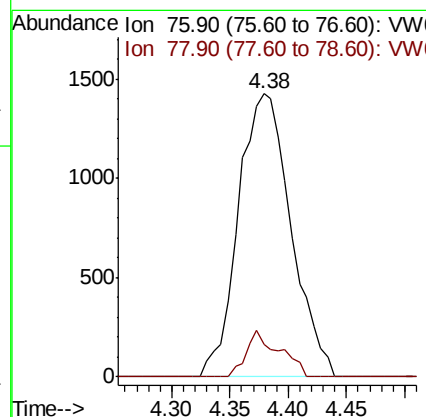
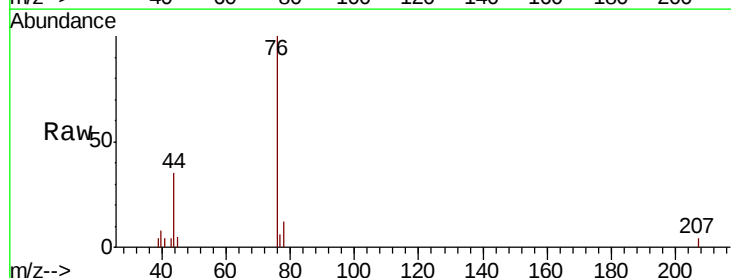
Manual Integrations
APPROVED

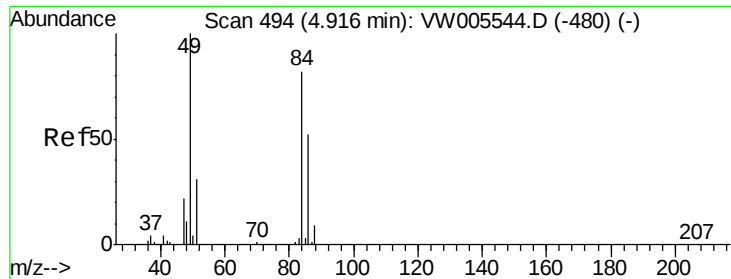
apatel
9/25/2018 11:55:22 AM



#17
Carbon Disulfide
Concen: 85.271 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Tgt Ion	76	Resp	4472
Ion Ratio	100	Lower	Upper
76	100		
78	11.5	7.4	11.0#





#20

Methylene Chloride

Concen: 954.134 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

Instrument :

MSVOA_W

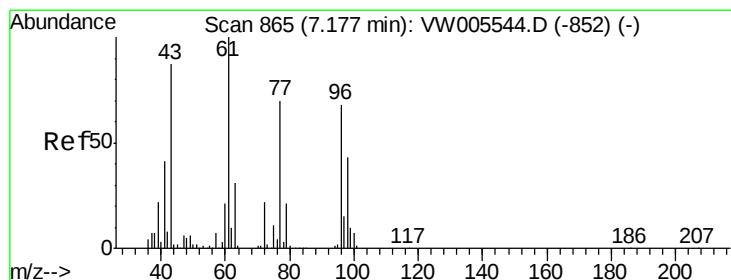
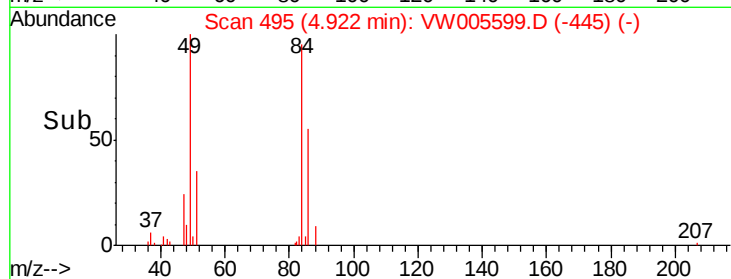
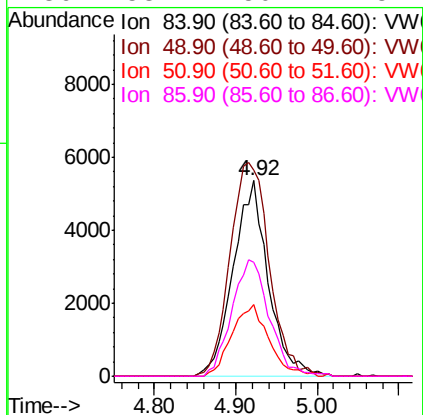
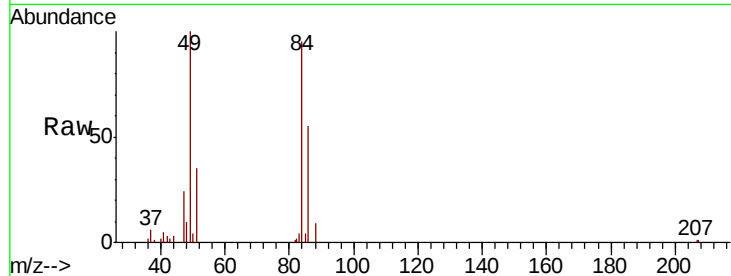
ClientSampleId :

2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion	84	Resp	15946
Ion Ratio	Lower	Upper	
84	100		
49	105.5	97.0	145.6
51	36.6	30.2	45.2
86	58.4	50.2	75.4

Manual Integrations
APPROVED

apatel
9/25/2018 11:55:22 AM



#25

2-Butanone

Concen: 516.374 ug/l

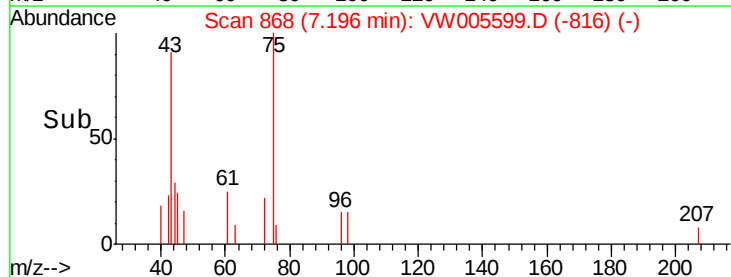
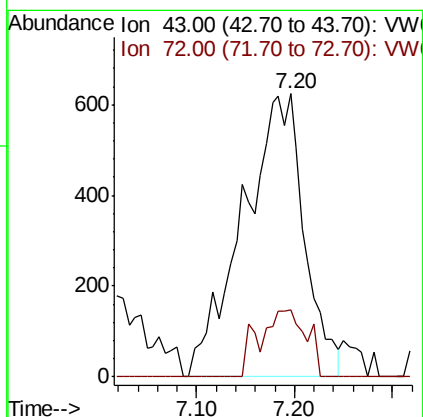
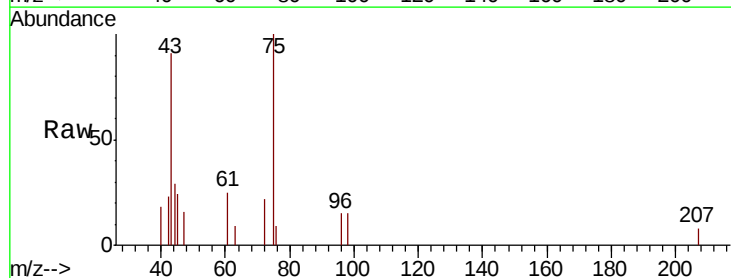
RT: 7.20 min Scan# 868

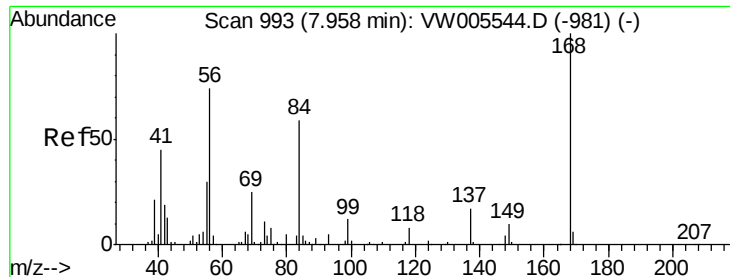
Delta R.T. 0.02 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

Tgt Ion	43	Resp	2723
Ion Ratio	Lower	Upper	
43	100		
72	23.6	19.9	29.9





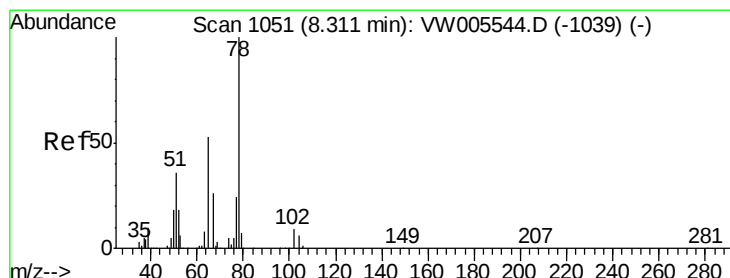
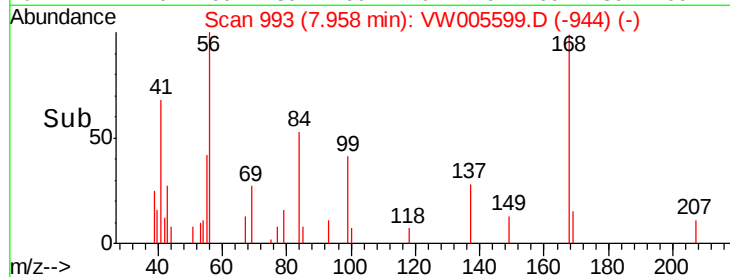
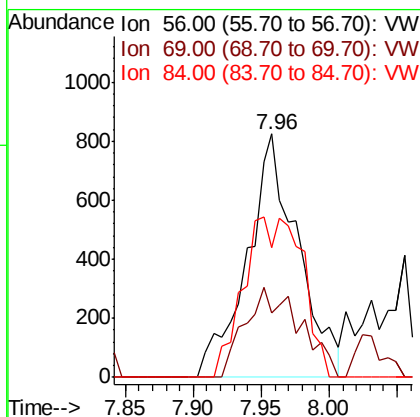
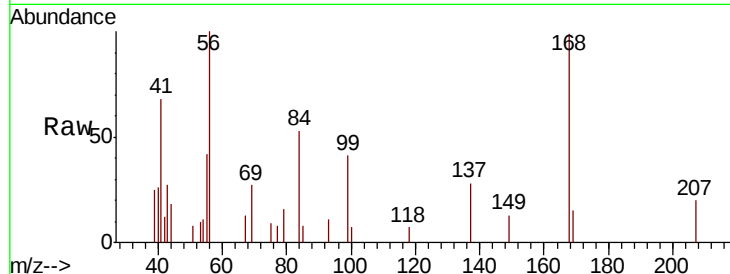
#31
Cyclohexane
Concen: 63.992 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Instrument :
MSVOA_W
ClientSampleId :
2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.7	27.0	40.4#
84	53.2	64.2	96.4#

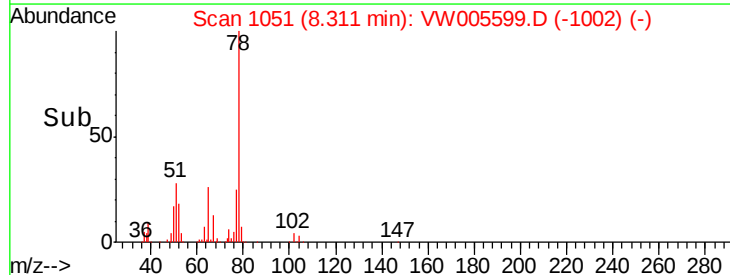
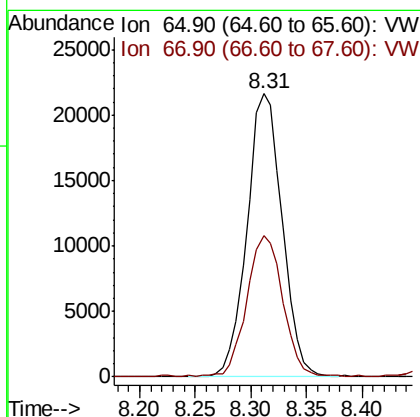
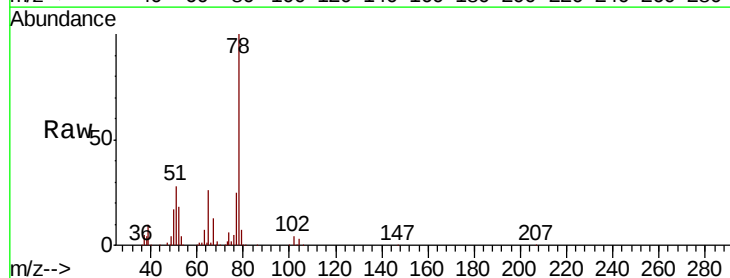
Manual Integrations
APPROVED

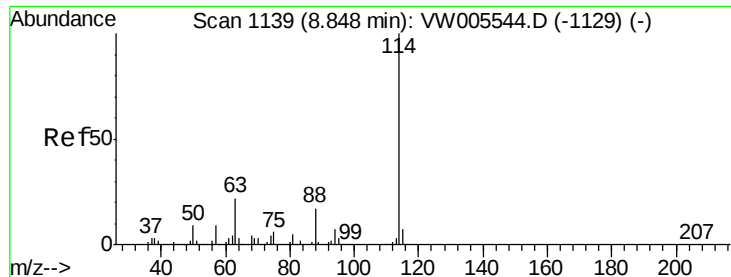
apatel
9/25/2018 11:55:22 AM



#33
1,2-Dichloroethane-d4
Concen: 2187.145 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	100.6





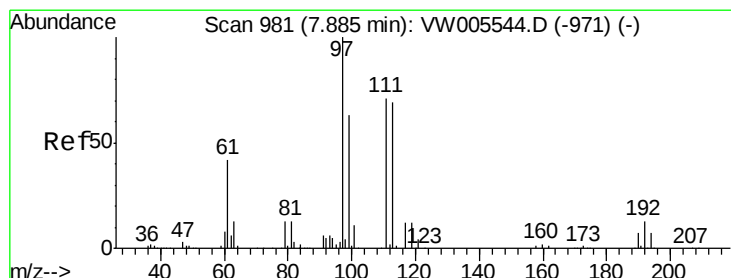
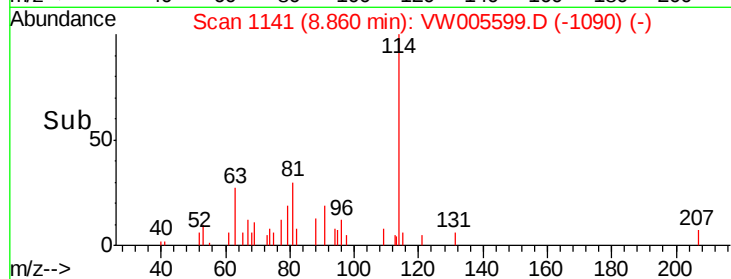
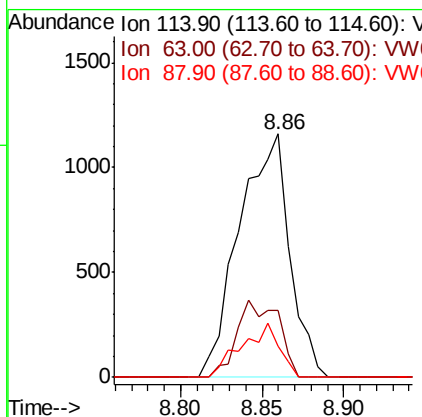
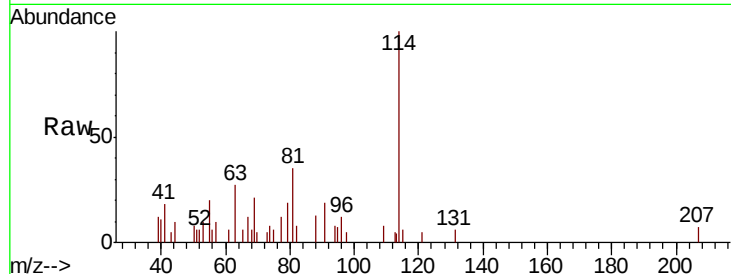
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1141
 Delta R.T. 0.01 min
 Lab File: VW005599.D
 Acq: 24 Sep 2018 21:22

Instrument :
 MSVOA_W
 ClientSampleId :
 2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion	Ratio	Resp	Lower	Upper
114	100	2489		
63	27.5		0.0	43.0
88	12.7		0.0	33.0

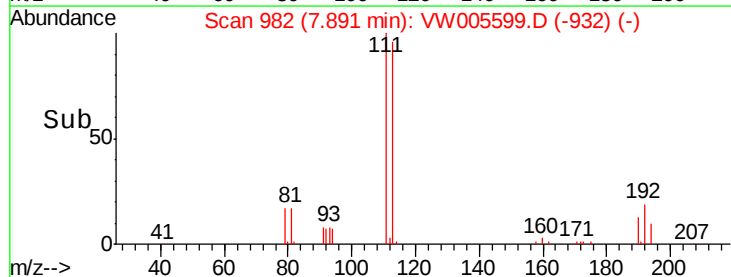
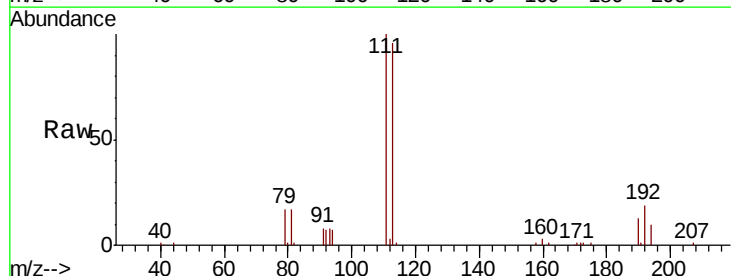
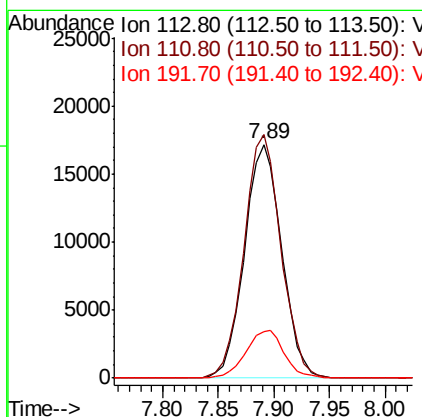
Manual Integrations
 APPROVED

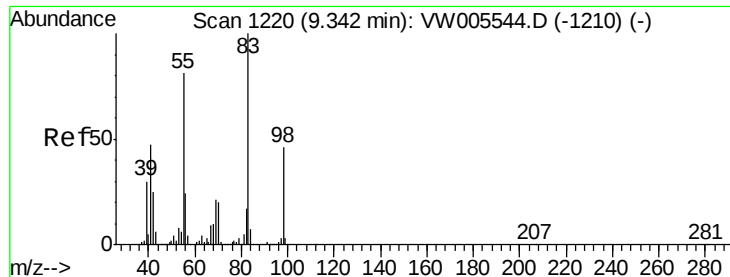
apatel
 9/25/2018 11:55:22 AM



#35
 Dibromofluoromethane
 Concen: 2554.378 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005599.D
 Acq: 24 Sep 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	39982		
111	103.3		82.6	123.8
192	20.9		17.0	25.4





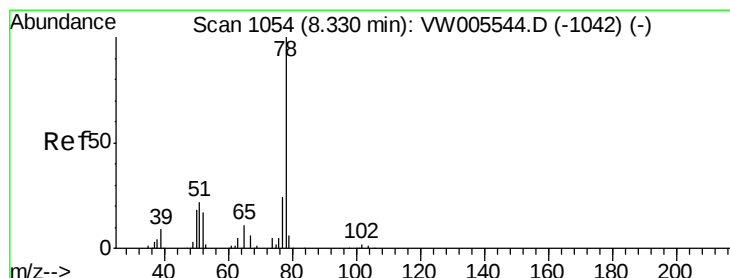
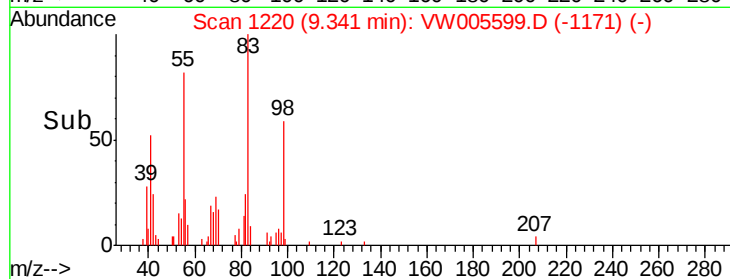
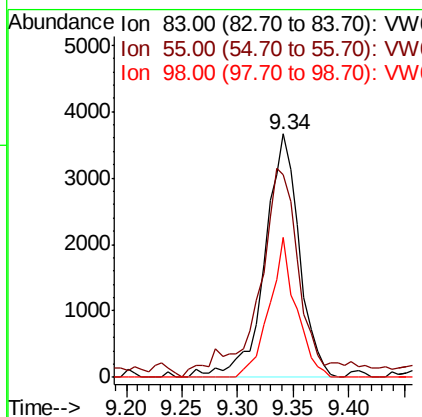
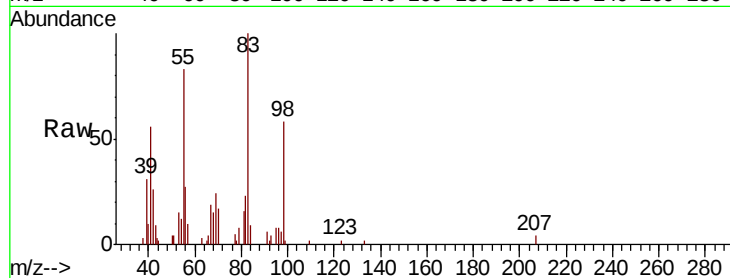
#39
Methvlcvclohexane
Concen: 266.361 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Instrument :
MSVOA_W
ClientSampleId :
2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	64.6	97.0
98	57.5	37.0	55.6#

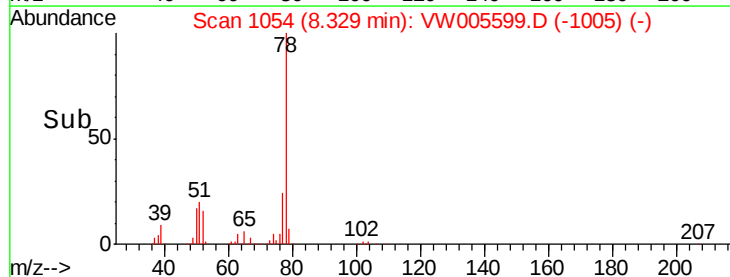
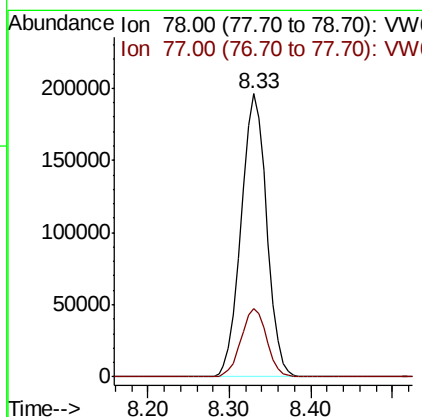
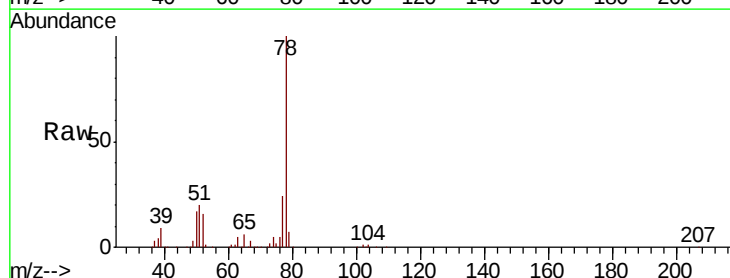
Manual Integrations
APPROVED

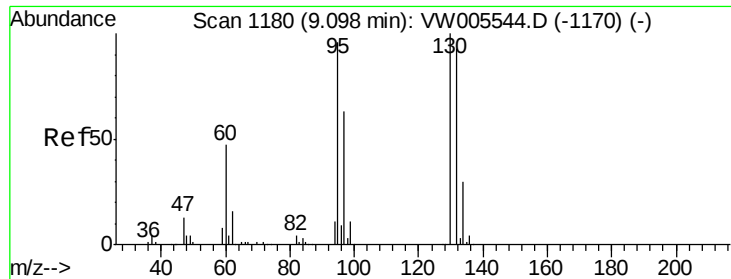
apatel
9/25/2018 11:55:22 AM



#40
Benzene
Concen: 6004.146 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





#44

Trichloroethene

Concen: 93.718 ug/l

RT: 9.10 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

Instrument :

MSVOA_W

ClientSampleId :

2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion:130 Resp: 1703

Ion Ratio Lower Upper

130 100

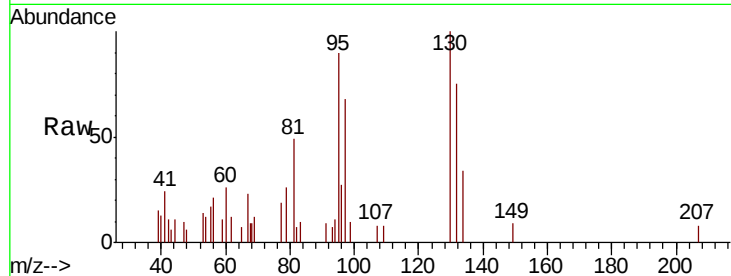
95 80.9 0.0 191.2

Manual Integrations

APPROVED

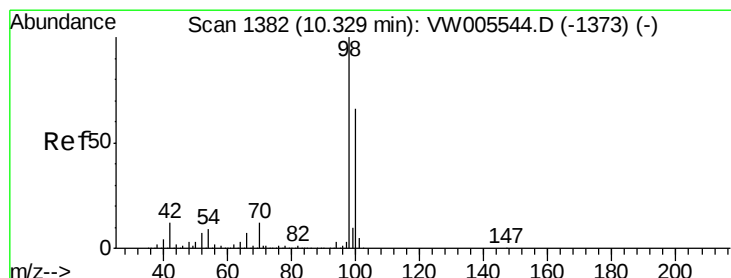
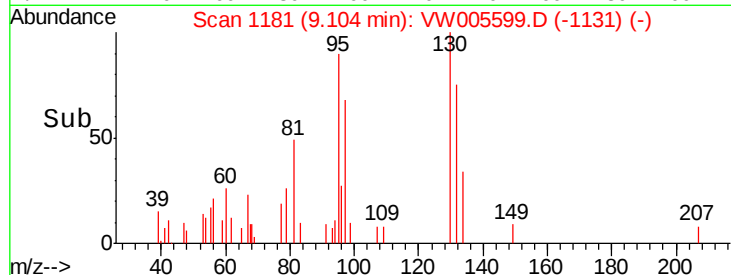
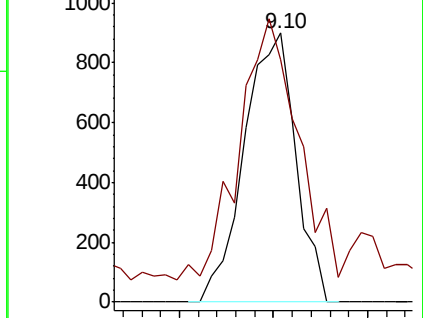
apatel

9/25/2018 11:55:22 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 1612.616 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005599.D

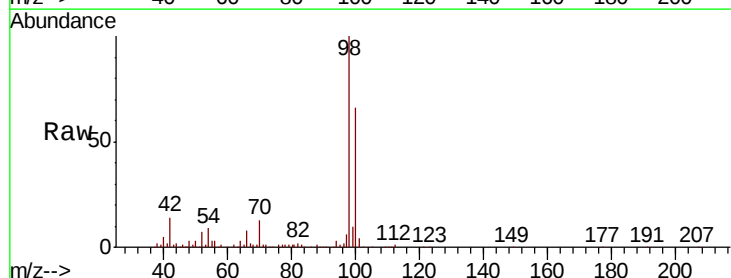
Acq: 24 Sep 2018 21:22

Tgt Ion: 98 Resp: 102777

Ion Ratio Lower Upper

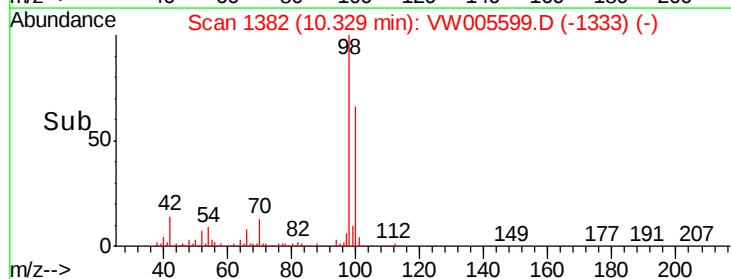
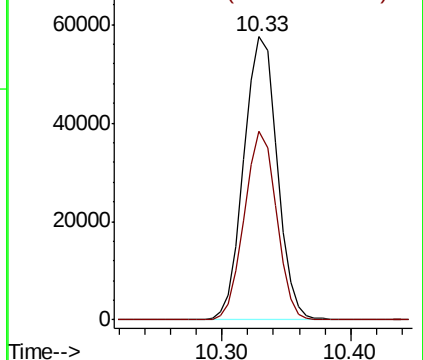
98 100

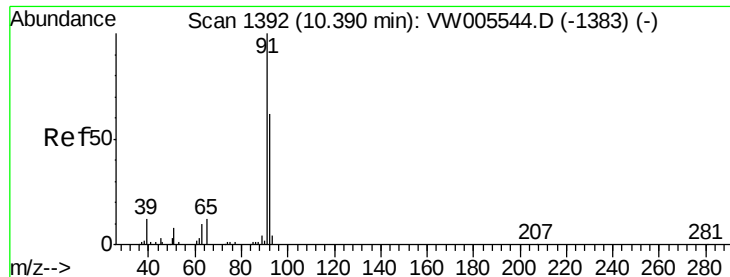
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 29078.113 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

Instrument :

MSVOA_W

ClientSampleId :

2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion: 92 Resp: 1288045

Ion Ratio Lower Upper

92 100

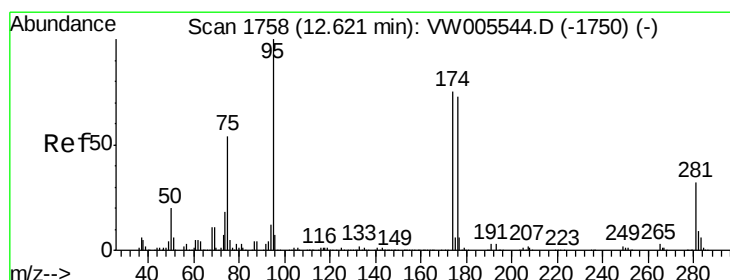
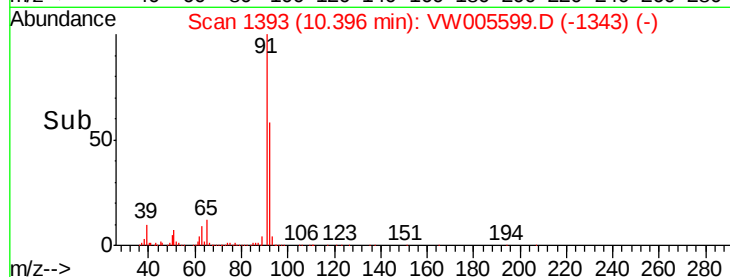
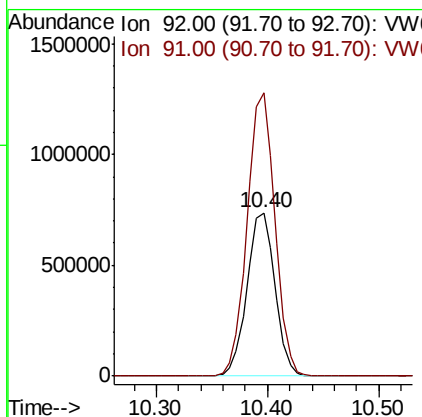
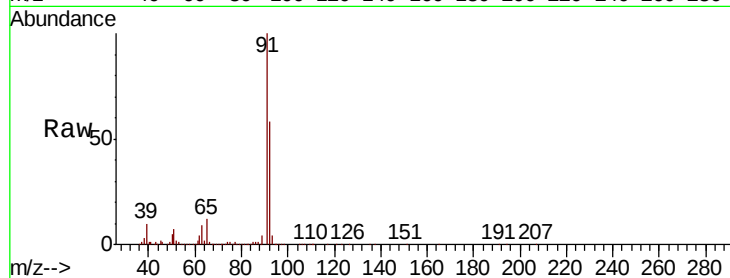
91 172.3 137.1 205.7

Manual Integrations

APPROVED

apatel

9/25/2018 11:55:22 AM



#62

4-Bromofluorobenzene

Concen: 1514.241 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

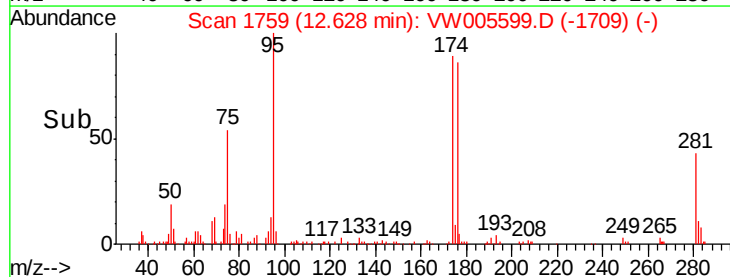
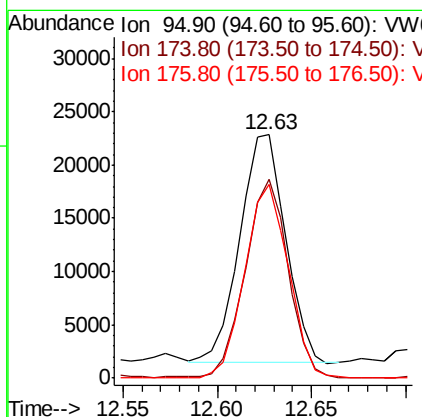
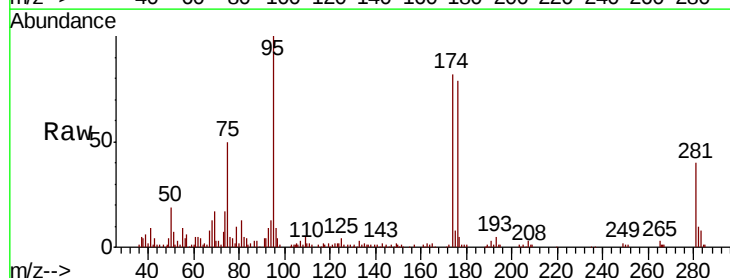
Tgt Ion: 95 Resp: 35710

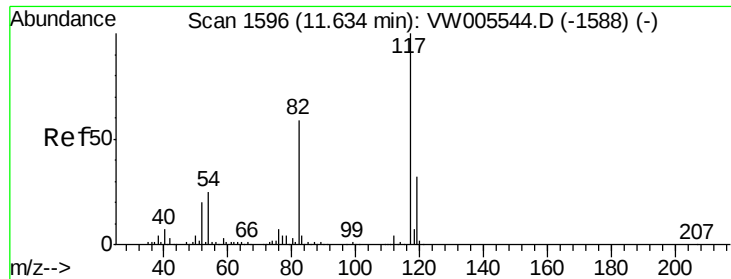
Ion Ratio Lower Upper

95 100

174 82.9 0.0 163.8

176 81.7 0.0 158.0





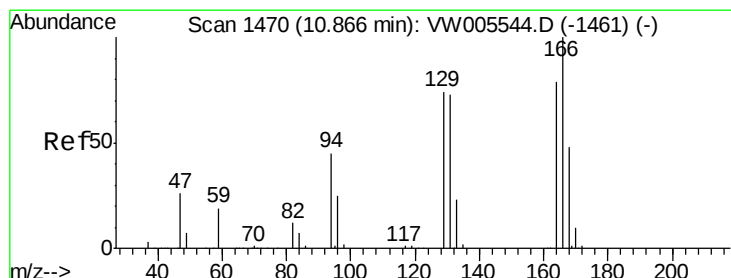
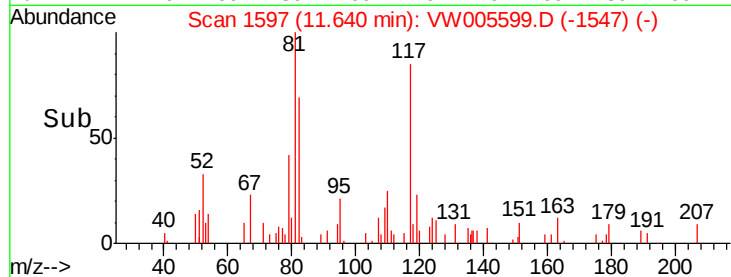
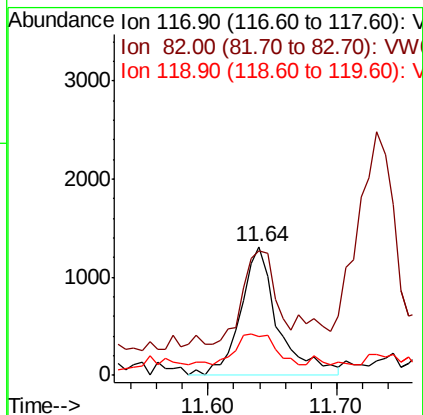
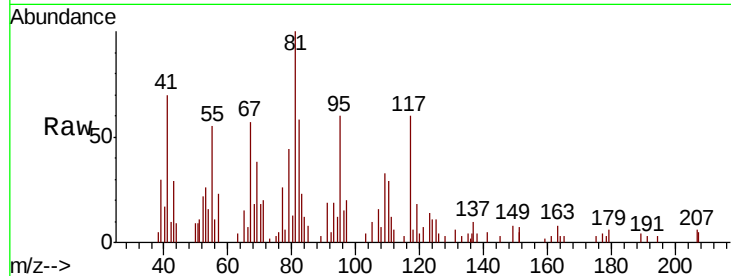
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Instrument :
MSVOA_W
ClientSampleId :
2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion	Ratio	Resp	Lower	Upper
117	100	2611		
82	72.5	46.9	70.3	#
119	21.9	25.7	38.5	#

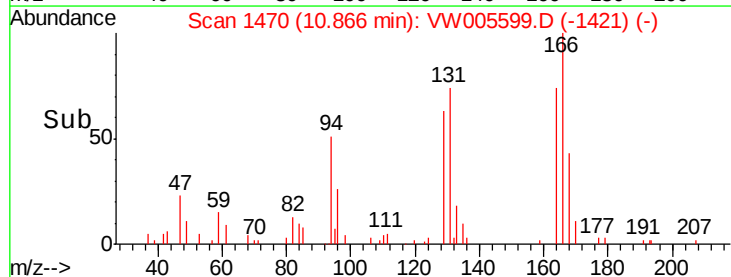
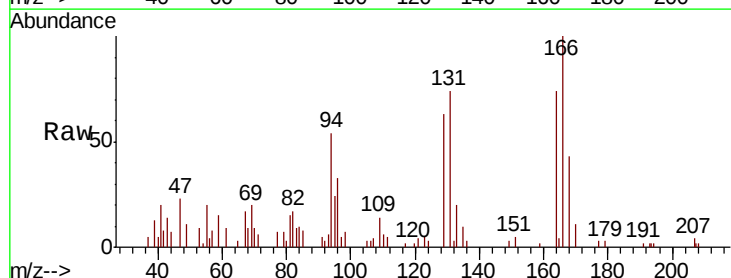
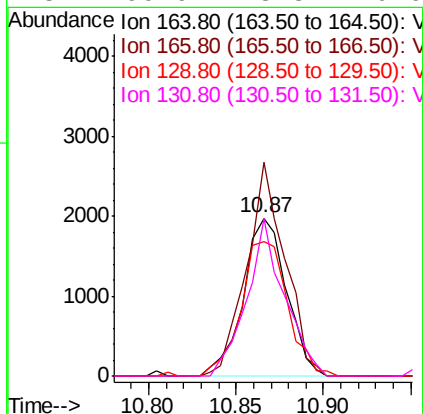
Manual Integrations
APPROVED

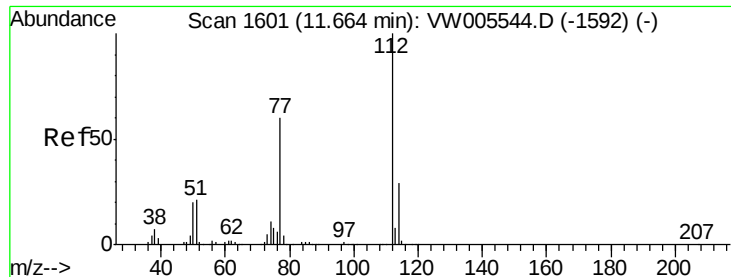
apatel
9/25/2018 11:55:22 AM



#64
Tetrachloroethene
Concen: 182.718 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3386		
166	135.2	101.1	151.7	
129	85.0	74.4	111.6	
131	99.9	73.8	110.6	





#65

Chlorobenzene

Concen: 24.410 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

Instrument :

MSVOA_W

ClientSampleId :

2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion:112 Resp: 1353

Ion Ratio Lower Upper

112 100

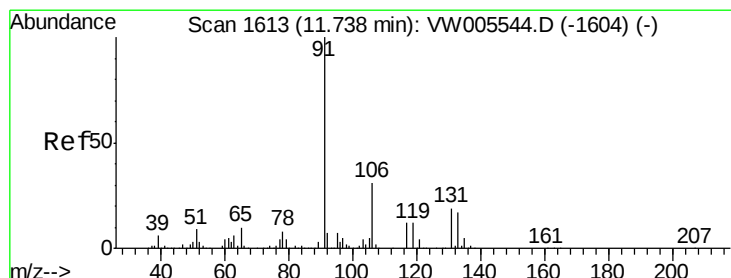
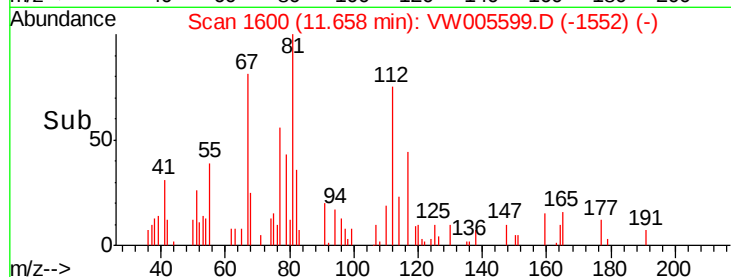
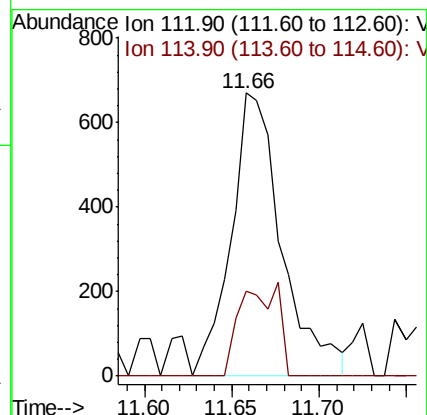
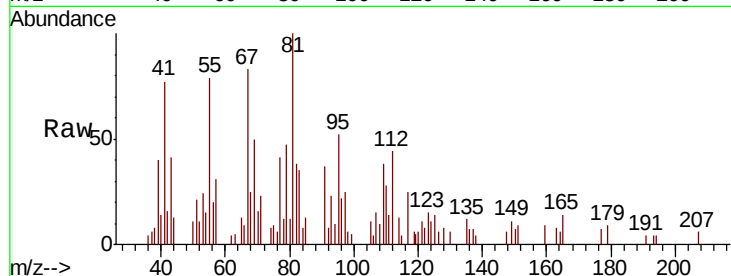
114 30.1 22.9 34.3

Manual Integrations

APPROVED

apatel

9/25/2018 11:55:22 AM



#67

Ethyl Benzene

Concen: 32622.007 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005599.D

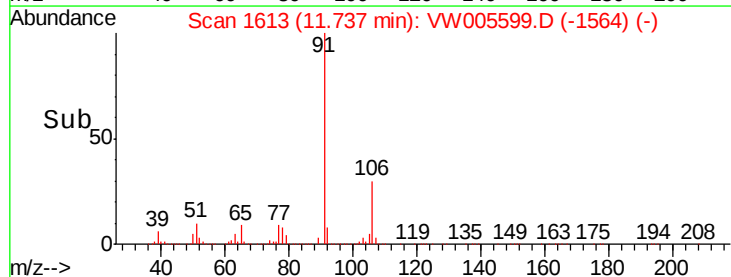
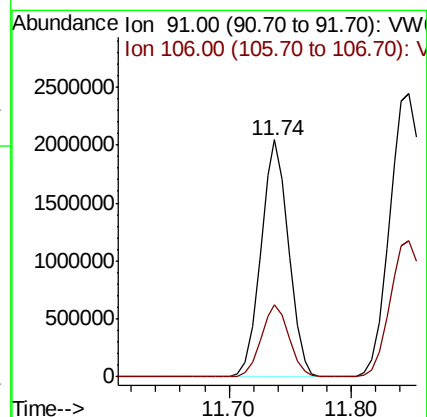
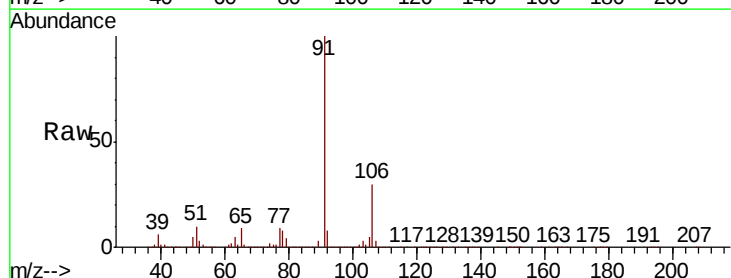
Acq: 24 Sep 2018 21:22

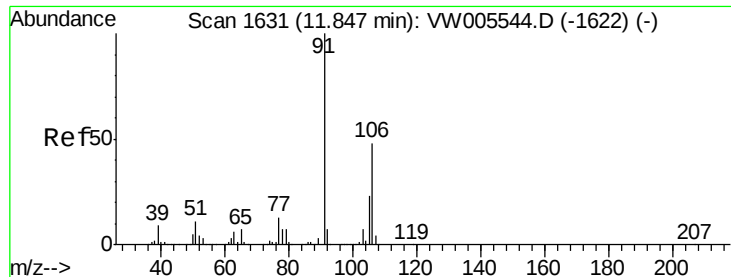
Tgt Ion: 91 Resp: 3209541

Ion Ratio Lower Upper

91 100

106 30.3 24.4 36.6





#68

m/p-Xylenes

Concen: 60587.350 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

Instrument :

MSVOA_W

ClientSampleId :

2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion:106 Resp: 2252062

Ion Ratio Lower Upper

106 100

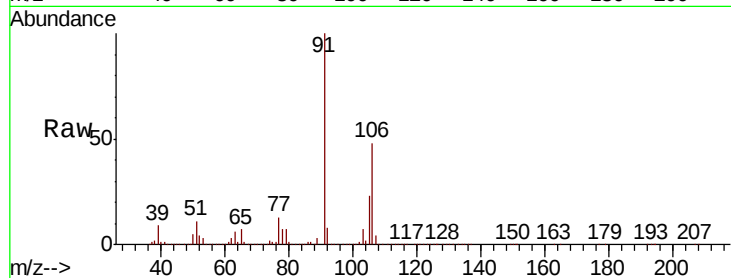
91 208.9 167.8 251.8

Manual Integrations

APPROVED

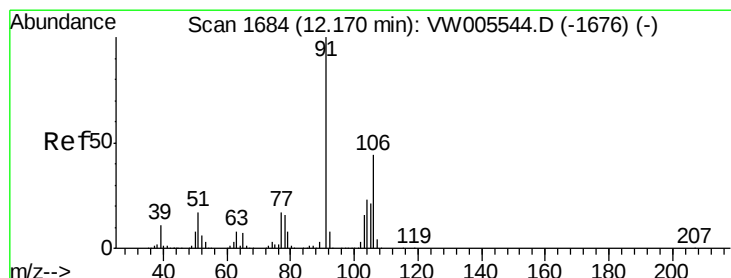
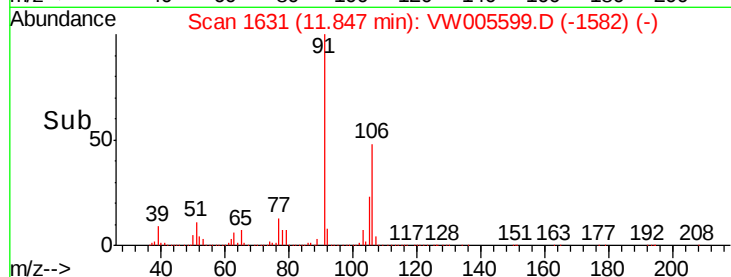
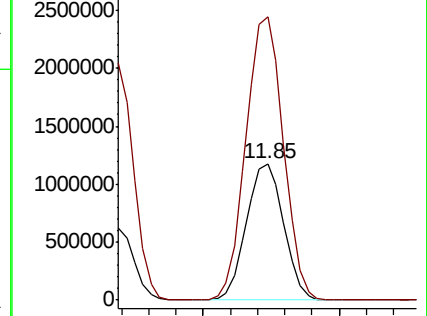
apatel

9/25/2018 11:55:22 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 45802.352 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VW005599.D

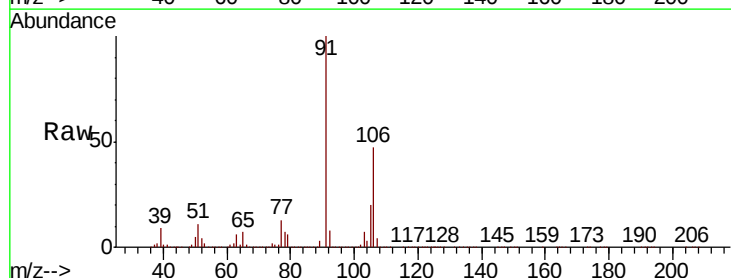
Acq: 24 Sep 2018 21:22

Tgt Ion:106 Resp: 1594456

Ion Ratio Lower Upper

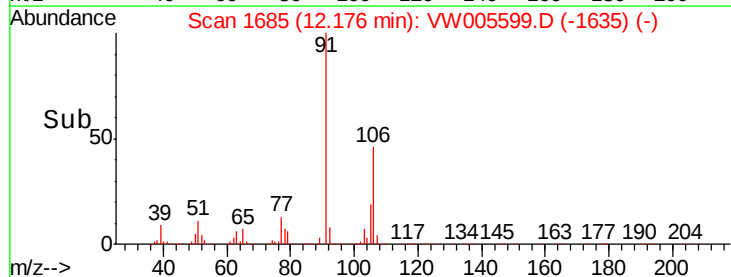
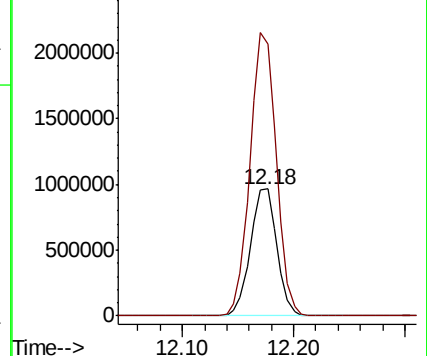
106 100

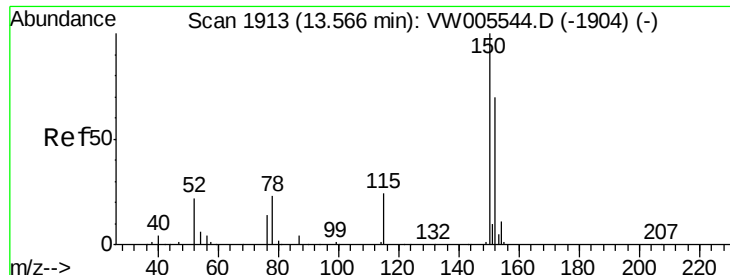
91 221.9 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#72

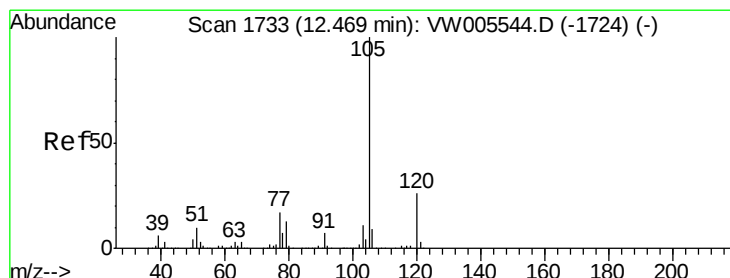
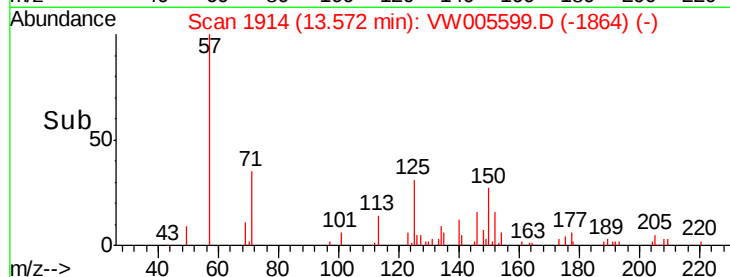
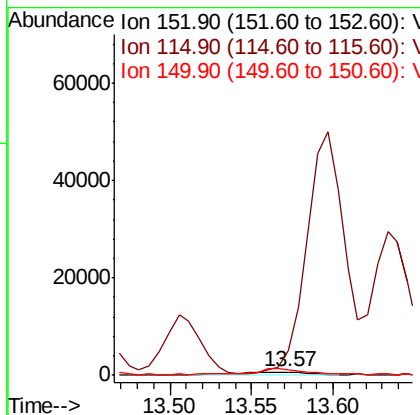
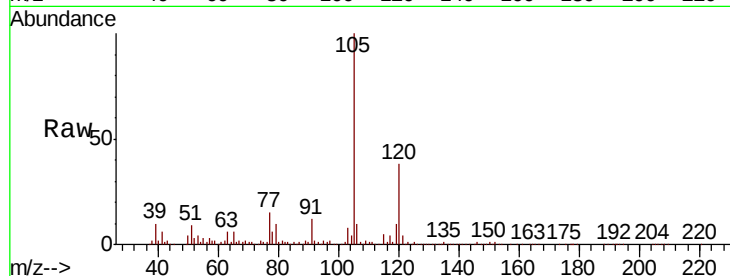
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1914
Delta R.T. 0.01 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Instrument :
MSVOA_W
ClientSampleId :
2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	30.0	90.0#
150	144.7	0.0	348.6

Manual Integrations
APPROVED

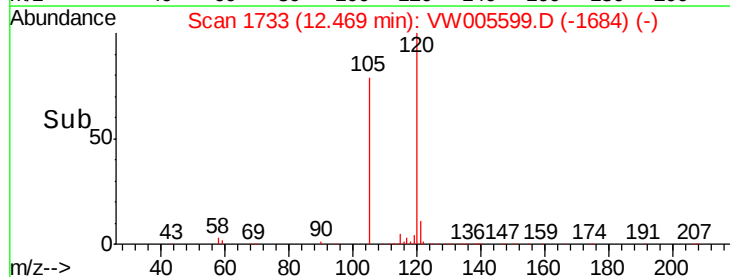
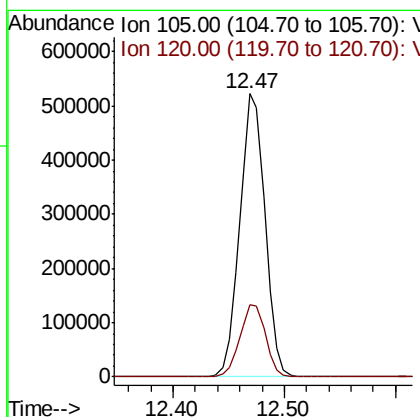
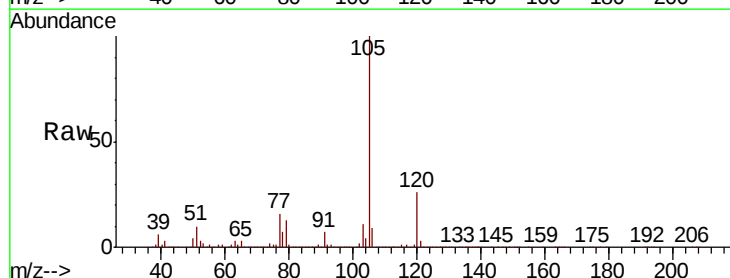
apatel
9/25/2018 11:55:22 AM

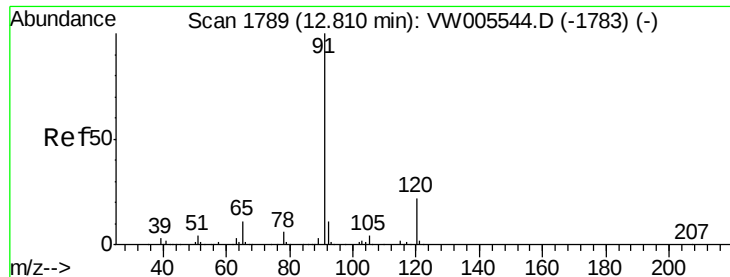


#73

Isopropylbenzene
Concen: 7470.772 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7





#78

n-propylbenzene

Concen: 557.370 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005599.D

Acq: 24 Sep 2018 21:22

Instrument :

MSVOA_W

ClientSampleId :

2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion: 91 Resp: 73984

Ion Ratio Lower Upper

91 100

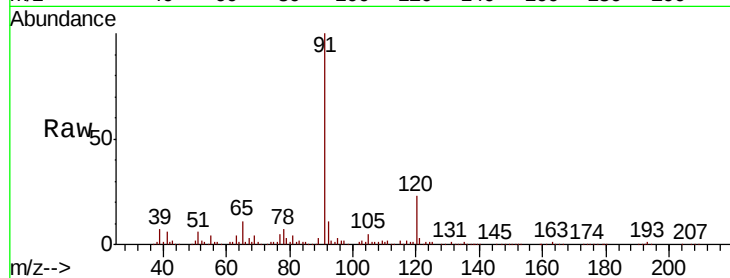
120 0.0 11.2 33.5#

Manual Integrations

APPROVED

apatel

9/25/2018 11:55:22 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

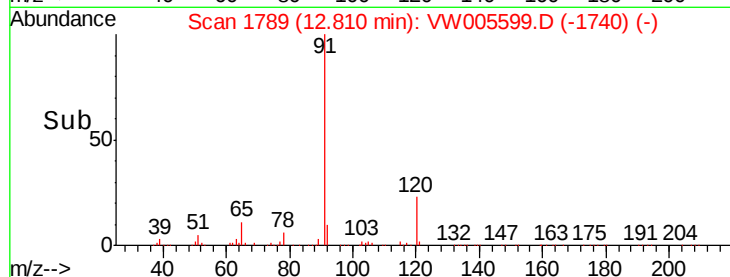
600000

400000

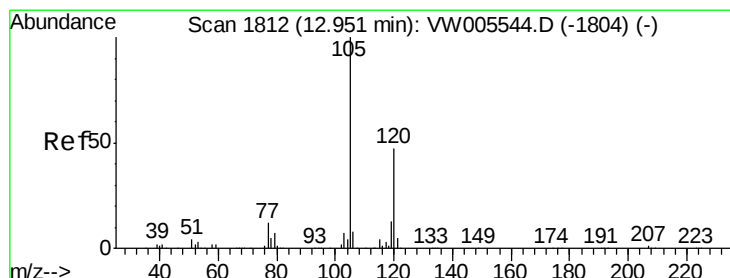
200000

0

12.75 12.80 12.85



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 29563.121 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005599.D

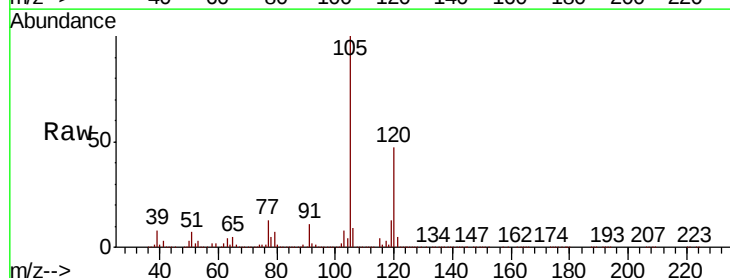
Acq: 24 Sep 2018 21:22

Tgt Ion:105 Resp: 2818398

Ion Ratio Lower Upper

105 100

120 47.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

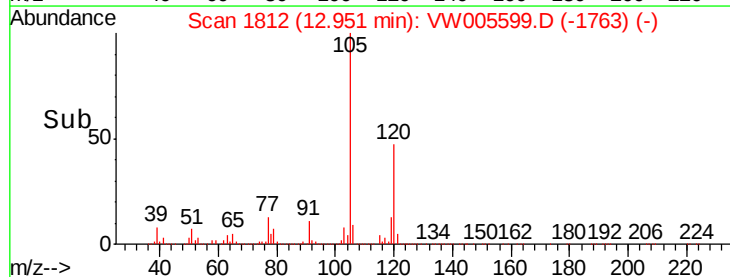
1500000

1000000

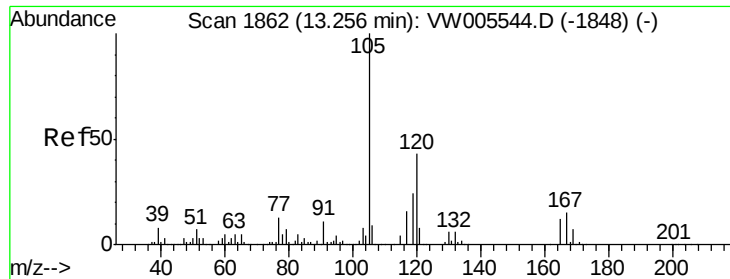
500000

0

12.90 12.95 13.00 13.10



Time-->



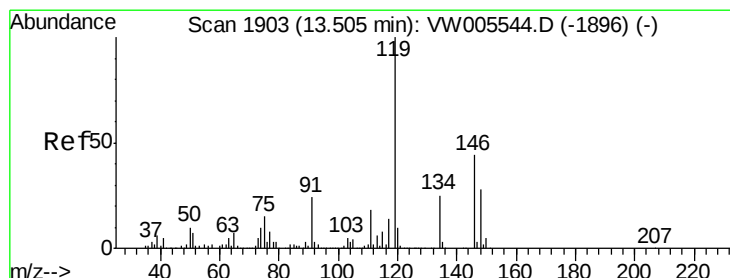
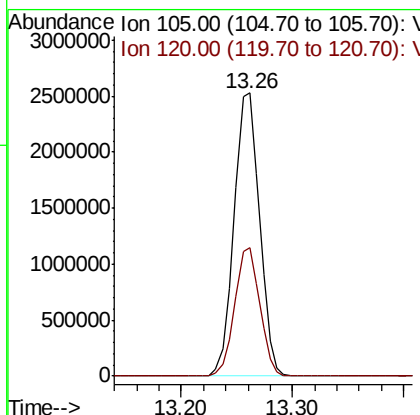
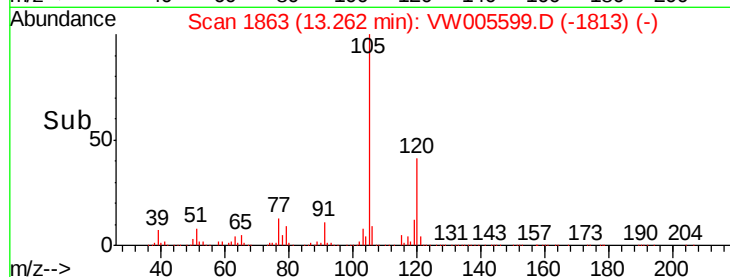
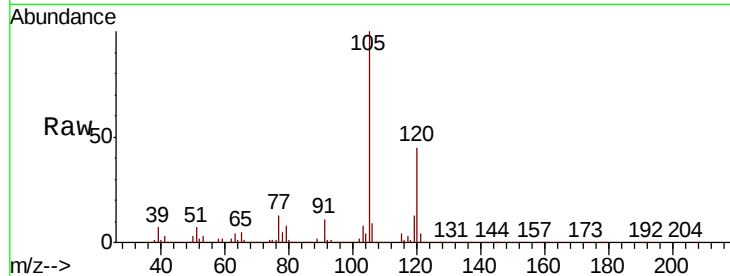
#84
 1,2,4-Trimethylbenzene
 Concen: 41509.930 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW005599.D
 Acq: 24 Sep 2018 21:22

Instrument :
 MSVOA_W
 ClientSampleId :
 2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion:105 Resp: 3993507
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.5 64.5

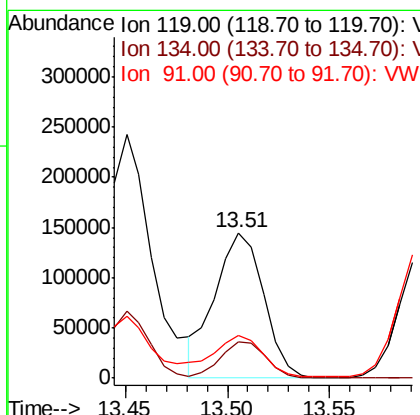
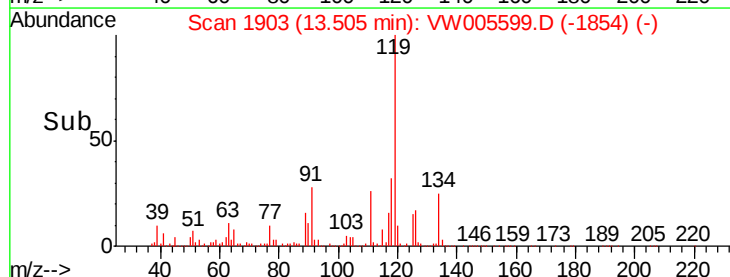
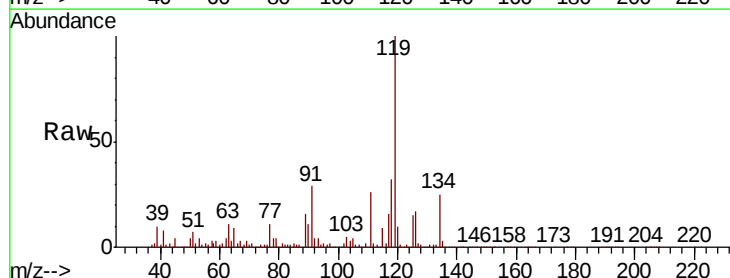
Manual Integrations
 APPROVED

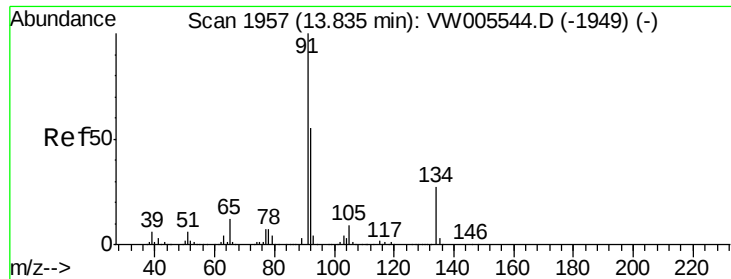
apatel
 9/25/2018 11:55:22 AM



#86
 p-Isopropyltoluene
 Concen: 2292.188 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005599.D
 Acq: 24 Sep 2018 21:22

Tgt Ion:119 Resp: 238658
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.7 38.1
 91 31.1 12.2 36.4





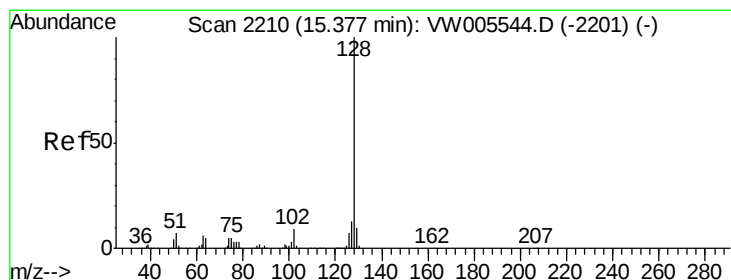
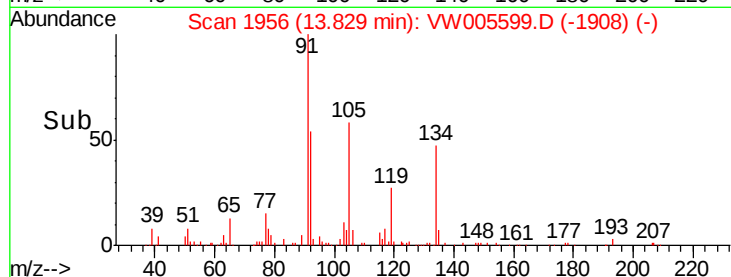
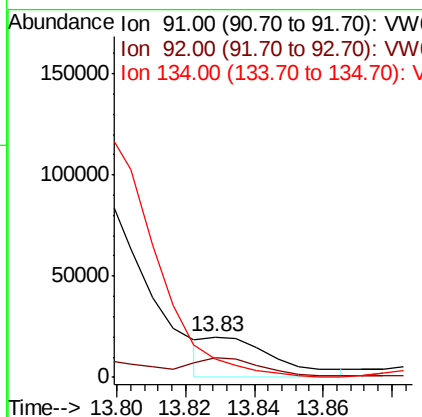
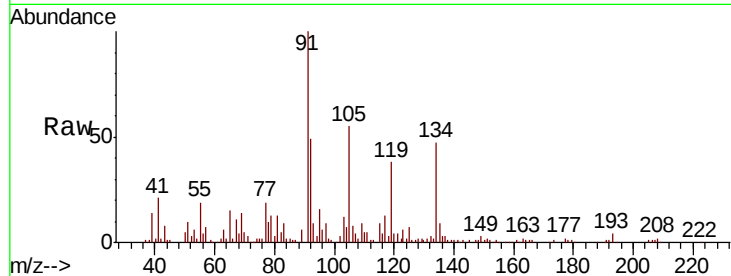
#89
n-Butylbenzene
Concen: 285.133 ug/l m
RT: 13.83 min Scan# 1956
Delta R.T. -0.01 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Instrument :
MSVOA_W
ClientSampleId :
2018-NYSEG-CLARK-PH4-AREA-9-

Tot Ion	Ratio	Lower	Upper
91	100		
92	741.6	26.5	79.5#
134	0.0	12.9	38.7#

Manual Integrations
APPROVED

apatel
9/25/2018 11:55:22 AM



#95
Naphthalene
Concen: 62735.496 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005599.D
Acq: 24 Sep 2018 21:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.9	16.3
129	11.1	8.6	13.0

