

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006961.D
 Acq On : 19 Nov 2018 23:32
 Operator : SY/AP
 Sample : J5977-09MS
 Misc : 3.85G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Manual Integrations
 APPROVED

apatel
 11/20/2018 4:52:48 PM

Quant Time: Nov 20 06:06:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	96619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	150111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	53108	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.88	113	48340	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
50) Toluene-d8	10.32	98	201526	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.62	95	67239	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47504	51.353	ug/l	100
3) Chloromethane	2.21	50	42080	50.533	ug/l	97
4) Vinyl Chloride	2.36	62	38780	49.127	ug/l	97
5) Bromomethane	2.78	94	23069	54.405	ug/l	99
6) Chloroethane	2.92	64	23038	52.994	ug/l	96
7) Trichlorofluoromethane	3.26	101	76908	50.058	ug/l	98
8) Diethyl Ether	3.68	74	27735	49.886	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	44881	45.235	ug/l	97
10) Methyl Iodide	4.27	142	57738	47.240	ug/l	99
11) Tert butyl alcohol	5.20	59	17829	217.647	ug/l	98
12) 1,1-Dichloroethene	4.04	96	41892	47.060	ug/l	98
13) Acrolein	3.90	56	19638	264.384	ug/l	99
14) Allyl chloride	4.67	41	71269	45.511	ug/l	99
15) Acrylonitrile	5.38	53	57930	267.718	ug/l	98
16) Acetone	4.14	43	38929	236.363	ug/l	91
17) Carbon Disulfide	4.39	76	120904	42.932	ug/l	99
18) Methyl Acetate	4.68	43	44132	73.221	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	139555	53.479	ug/l	99
20) Methylene Chloride	4.92	84	61322	54.356	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	44211	41.635	ug/l	98
22) Diisopropyl ether	6.31	45	158968	49.734	ug/l	99
23) Vinyl Acetate	6.26	43	174303	98.476	ug/l	99
24) 1,1-Dichloroethane	6.23	63	89165	48.445	ug/l	99
25) 2-Butanone	7.18	43	70222	256.725	ug/l	97
26) 2,2-Dichloropropane	7.17	77	73757	45.928	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52460	44.434	ug/l	99
28) Bromochloromethane	7.51	49	31608	46.758	ug/l #	97
29) Tetrahydrofuran	7.53	42	48797	274.320	ug/l	99
30) Chloroform	7.68	83	91745	45.467	ug/l	99
31) Cyclohexane	7.96	56	78392	42.514	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	84035	48.376	ug/l	98
36) 1,1-Dichloropropene	8.09	75	68970	48.229	ug/l	99
37) Ethyl Acetate	7.26	43	29180	47.991	ug/l	98
38) Carbon Tetrachloride	8.07	117	70781	50.363	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006961.D
 Acq On : 19 Nov 2018 23:32
 Operator : SY/AP
 Sample : J5977-09MS
 Misc : 3.85G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Manual Integrations
 APPROVED

apatel
 11/20/2018 4:52:48 PM

Quant Time: Nov 20 06:06:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	70091	39.493	ug/l	99
40) Benzene	8.32	78	203270	50.294	ug/l	99
41) Methacrylonitrile	7.49	41	20455	54.925	ug/l	95
42) 1,2-Dichloroethane	8.40	62	62154	51.370	ug/l	100
43) Isopropyl Acetate	8.43	43	59984	51.414	ug/l	100
44) Trichloroethene	9.09	130	52700	48.495	ug/l	96
45) 1,2-Dichloropropane	9.37	63	53385	52.291	ug/l	99
46) Dibromomethane	9.46	93	26493	51.242	ug/l	98
47) Bromodichloromethane	9.65	83	68604	50.392	ug/l	99
48) Methyl methacrylate	9.44	41	34169	60.693	ug/l	95
49) 1,4-Dioxane	9.47	88	9125	1164.700	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	166971	290.381	ug/l	98
52) Toluene	10.39	92	136758	50.578	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	60600	45.548	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	76393	47.980	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41140	53.966	ug/l	97
56) Ethyl methacrylate	10.65	69	44294	46.734	ug/l	97
57) 1,3-Dichloropropane	10.93	76	66856	51.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	124342	266.855	ug/l	99
59) 2-Hexanone	10.97	43	114859	298.464	ug/l	98
60) Dibromochloromethane	11.13	129	45356	52.174	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35903	50.674	ug/l	99
64) Tetrachloroethene	10.87	164	45142	53.292	ug/l	97
65) Chlorobenzene	11.66	112	139195	50.097	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47871	54.064	ug/l	99
67) Ethyl Benzene	11.73	91	261091	52.119	ug/l	98
68) m/p-Xylenes	11.84	106	203463	104.300	ug/l	98
69) o-Xylene	12.17	106	98886	53.409	ug/l	99
70) Styrene	12.18	104	147162	49.426	ug/l	99
71) Bromoform	12.35	173	23918	57.941	ug/l #	99
73) Isopropylbenzene	12.47	105	255571	59.401	ug/l	100
74) N-amyl acetate	12.27	43	42531	49.392	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43343	68.485	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	33638m	77.047	ug/l	
77) Bromobenzene	12.75	156	54053	59.276	ug/l	97
78) n-propylbenzene	12.81	91	274955	53.183	ug/l	100
79) 2-Chlorotoluene	12.90	91	164490	54.290	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	209461	56.538	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	11874	61.910	ug/l	96
82) 4-Chlorotoluene	12.99	91	163162	51.077	ug/l	99
83) tert-Butylbenzene	13.21	119	180739	57.448	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	205793	55.293	ug/l	99
85) sec-Butylbenzene	13.39	105	221757	49.399	ug/l	99
86) p-Isopropyltoluene	13.51	119	197433	50.322	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	91805	49.234	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	90560	48.730	ug/l	99
89) n-Butylbenzene	13.83	91	149104	40.148	ug/l	100
90) Hexachloroethane	14.10	117	29317	45.836	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	86999	52.177	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7332	66.947	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
Data File : VW006961.D
Acq On : 19 Nov 2018 23:32
Operator : SY/AP
Sample : J5977-09MS
Misc : 3.85G/5ML/MSVOA W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

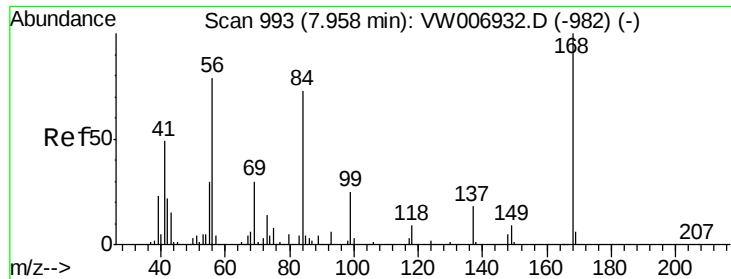
Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM

Quant Time: Nov 20 06:06:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 17 04:45:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	35717	34.046	ug/l	99
94) Hexachlorobutadiene	15.24	225	14355	25.904	ug/l	99
95) Naphthalene	15.37	128	152179	75.286	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	32092	35.684	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:168 Resp: 96619

Ion Ratio Lower Upper

168 100

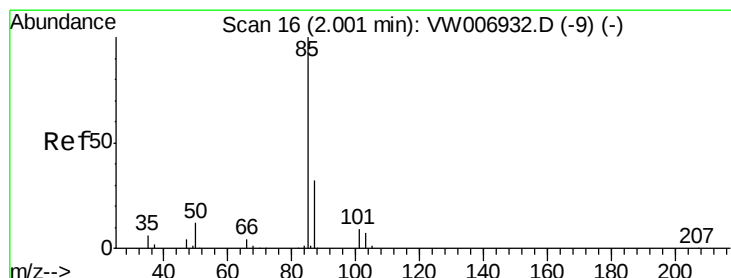
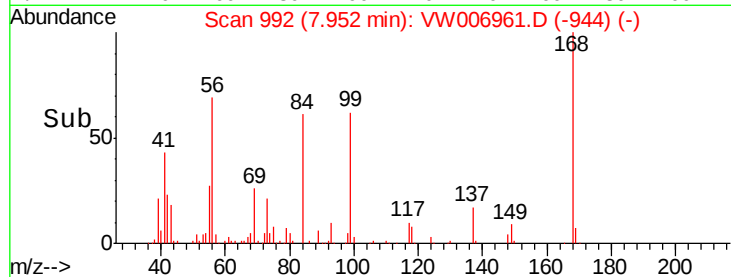
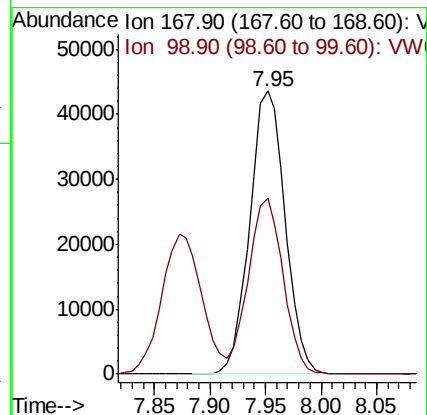
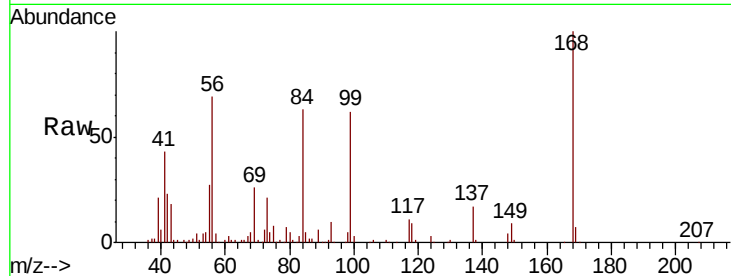
99 62.0 49.3 73.9

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#2

Dichlorodifluoromethane

Concen: 51.353 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006961.D

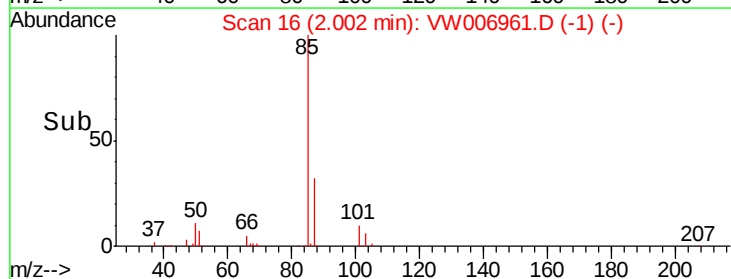
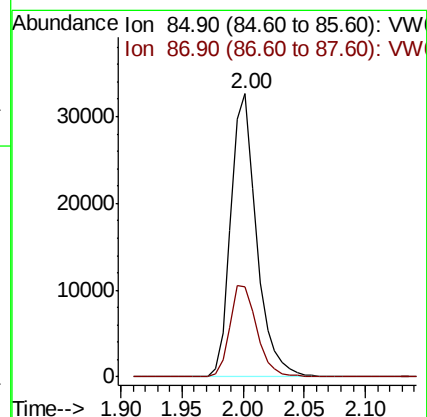
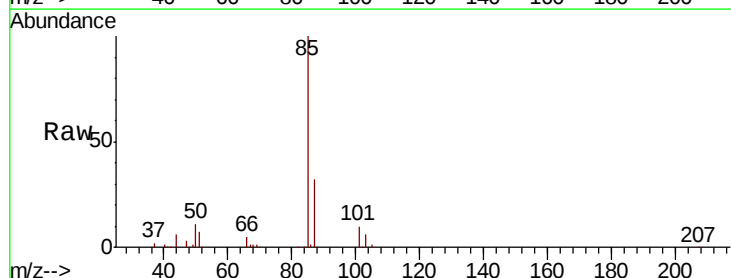
Acq: 19 Nov 2018 23:32

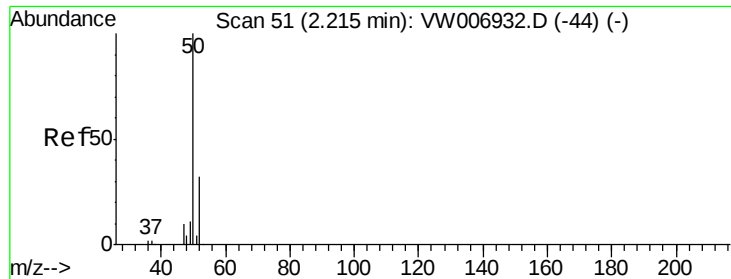
Tgt Ion: 85 Resp: 47504

Ion Ratio Lower Upper

85 100

87 31.9 16.0 48.0





#3

Chloromethane

Concen: 50.533 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 50 Resp: 42080

Ion Ratio Lower Upper

50 100

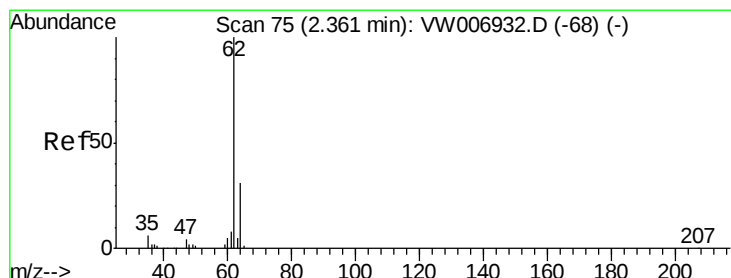
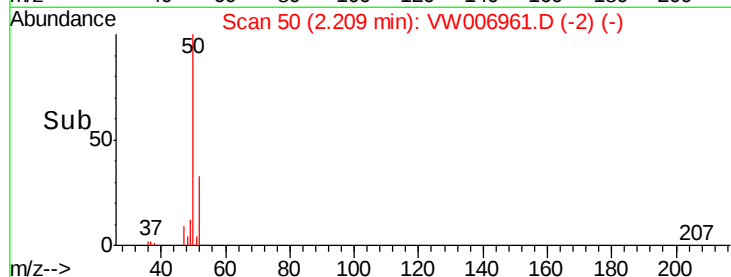
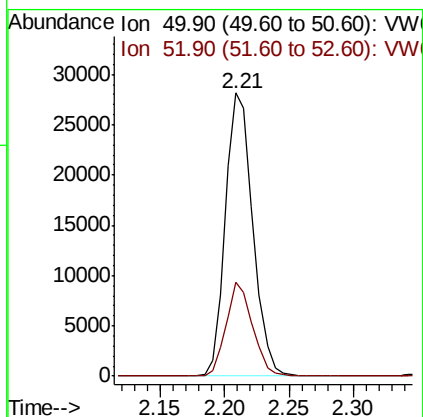
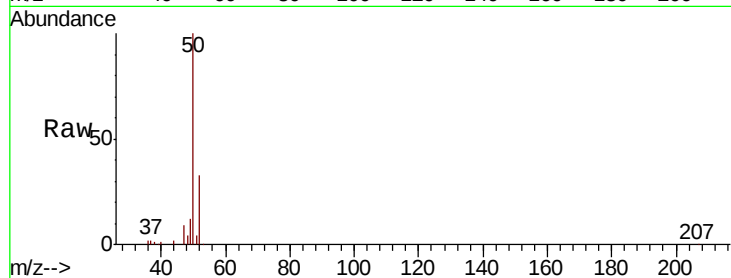
52 33.4 25.4 38.2

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#4

Vinyl Chloride

Concen: 49.127 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW006961.D

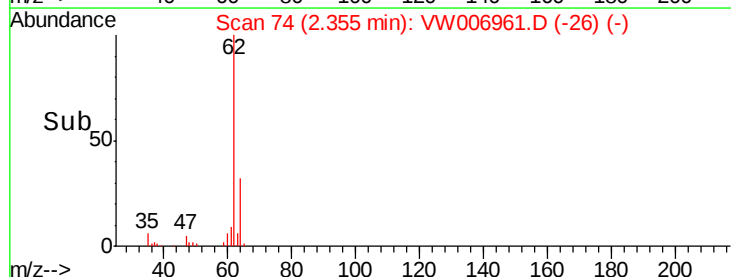
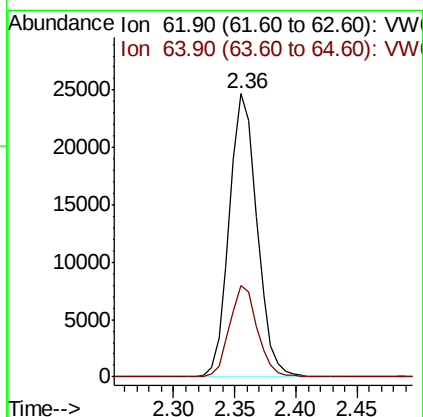
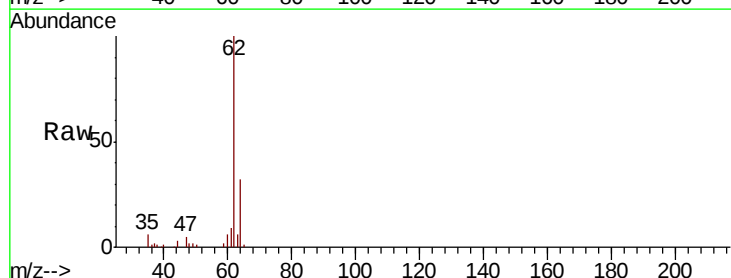
Acq: 19 Nov 2018 23:32

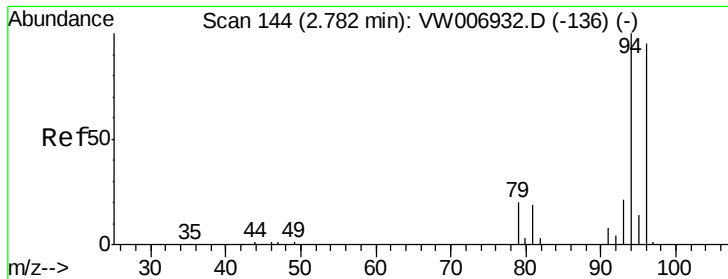
Tgt Ion: 62 Resp: 38780

Ion Ratio Lower Upper

62 100

64 32.4 24.6 37.0





#5

Bromomethane

Concen: 54.405 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 94 Resp: 23069

Ion Ratio Lower Upper

94 100

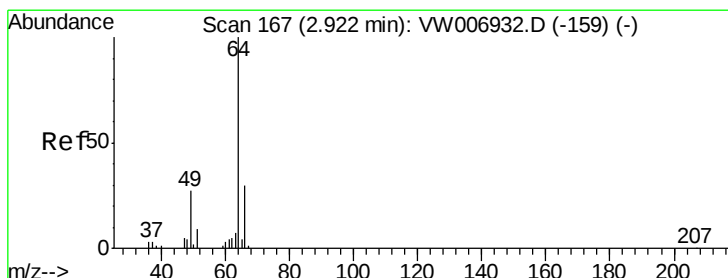
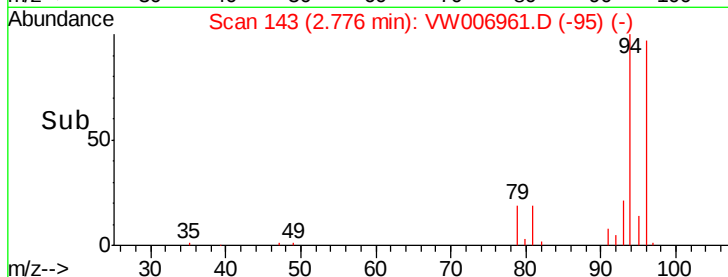
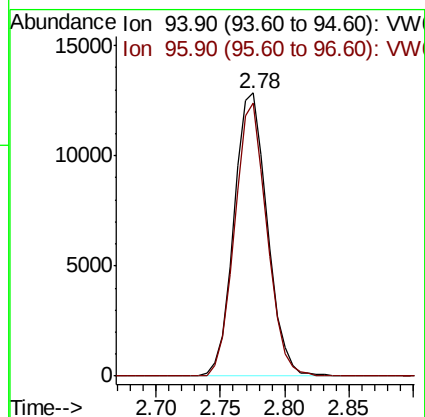
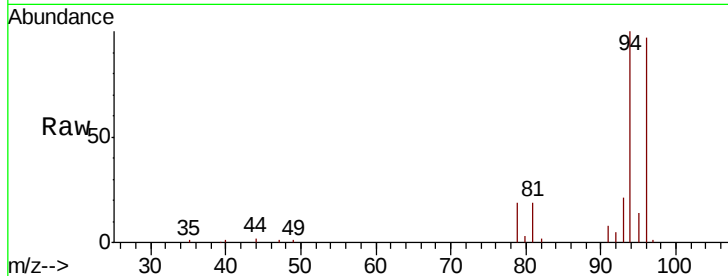
96 96.6 76.2 114.4

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#6

Chloroethane

Concen: 52.994 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006961.D

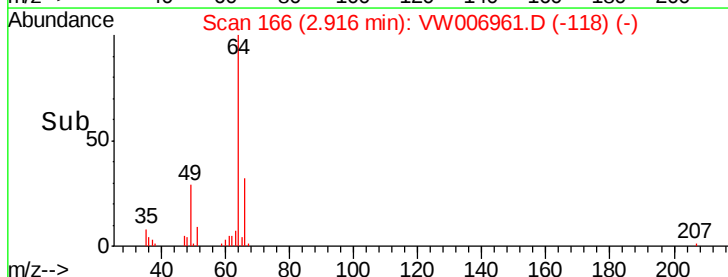
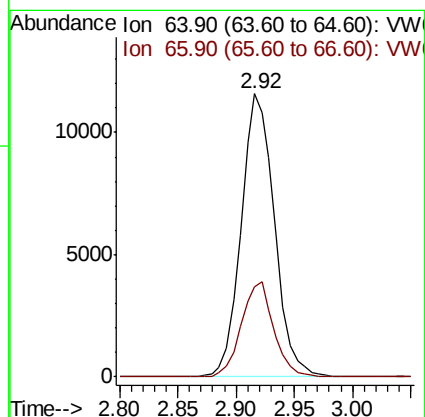
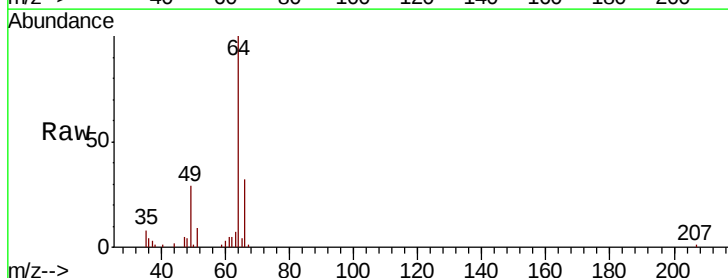
Acq: 19 Nov 2018 23:32

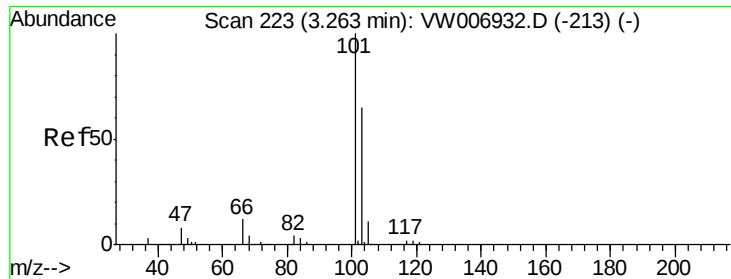
Tgt Ion: 64 Resp: 23038

Ion Ratio Lower Upper

64 100

66 32.0 24.0 36.0





#7

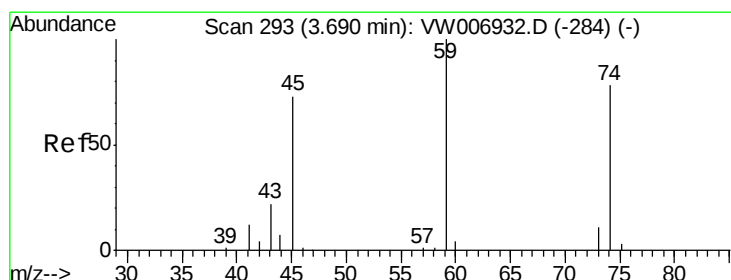
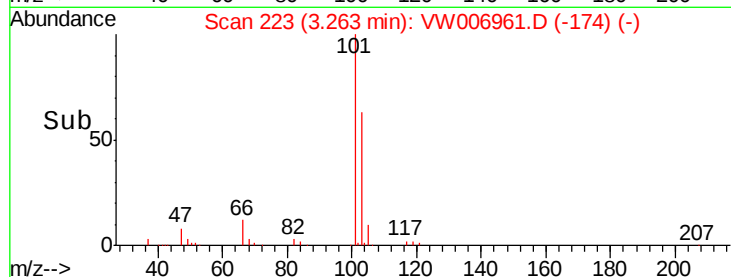
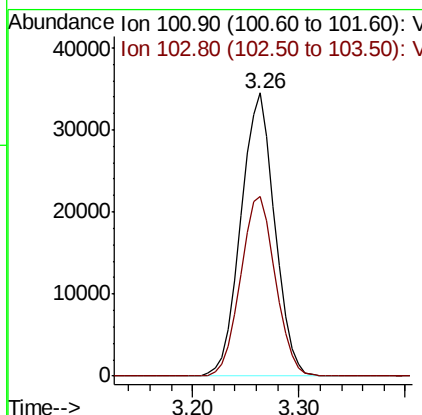
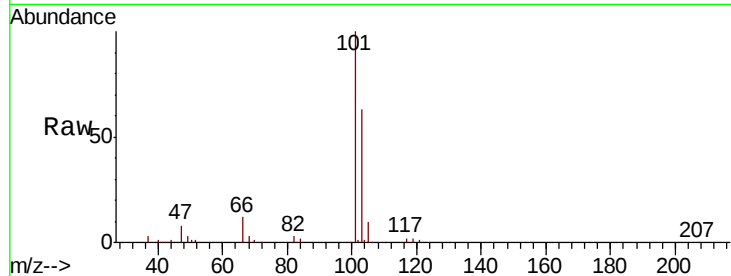
Trichlorofluoromethane
Concen: 50.058 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.2	78.2

Manual Integrations
APPROVED

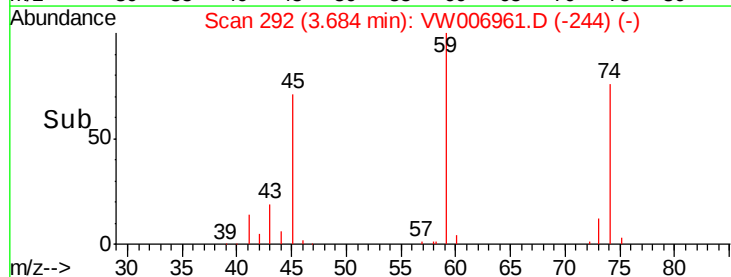
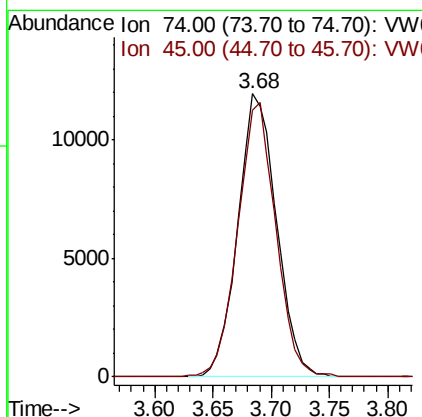
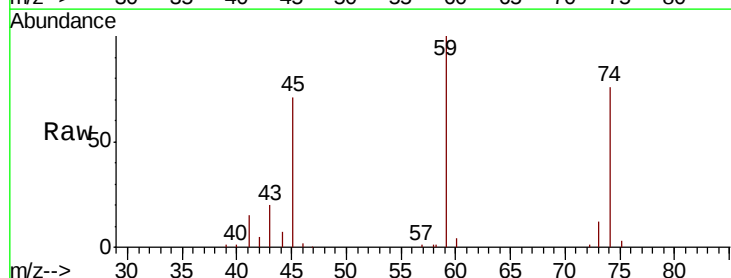
apatel
11/20/2018 4:52:48 PM

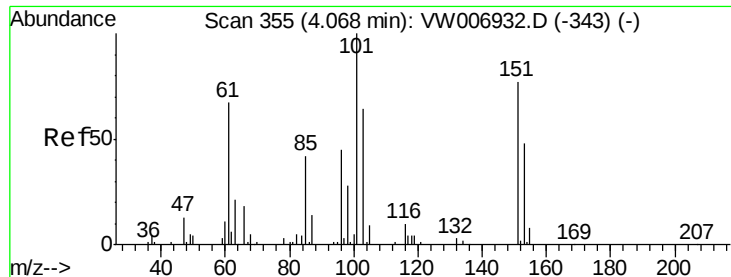


#8

Diethyl Ether
Concen: 49.886 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.235 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

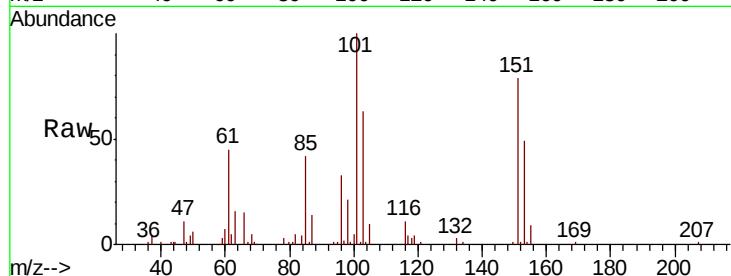
ClientSampleId :

MMTW-03(8-10)MS

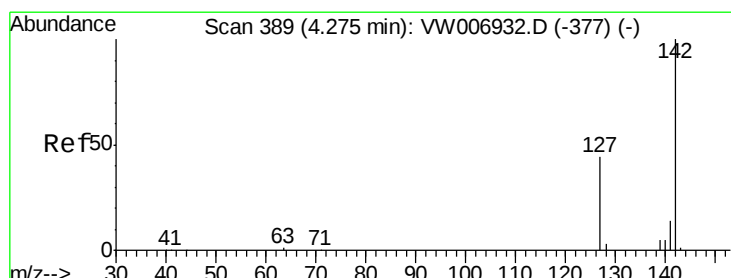
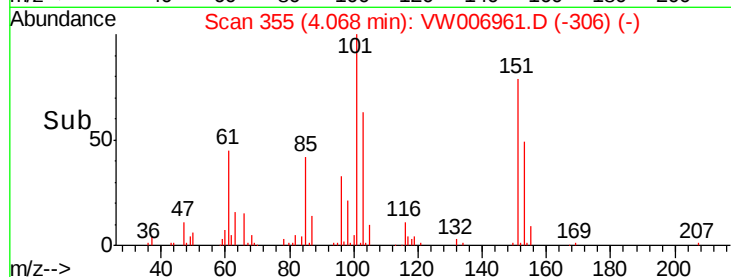
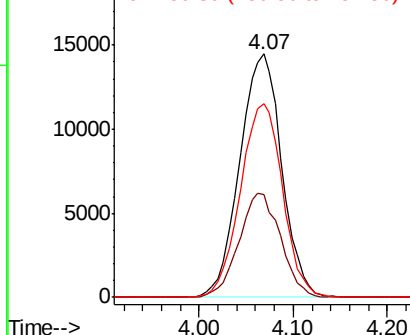
Tot Ion:	101	Resp:	44881
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.5	51.7
151	80.2	61.5	92.3

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.240 ug/l

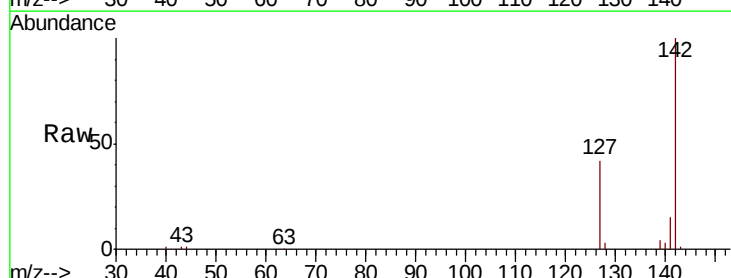
RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

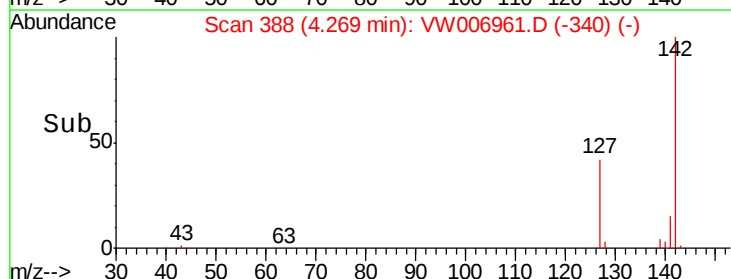
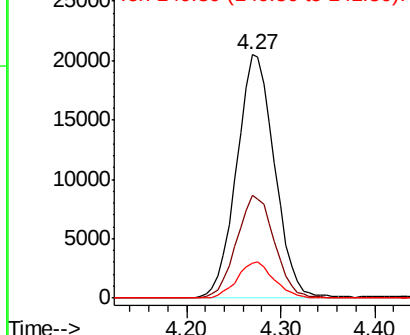
Lab File: VW006961.D

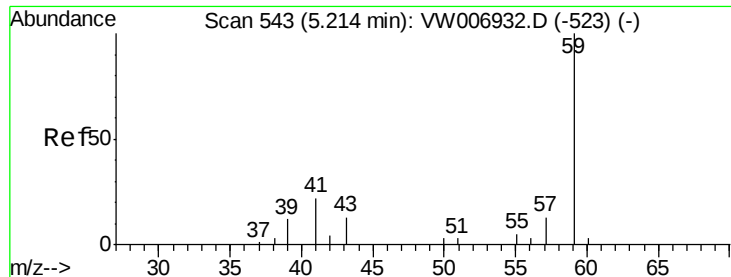
Acq: 19 Nov 2018 23:32

Tgt Ion:	142	Resp:	57738
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.4	51.6
141	14.5	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





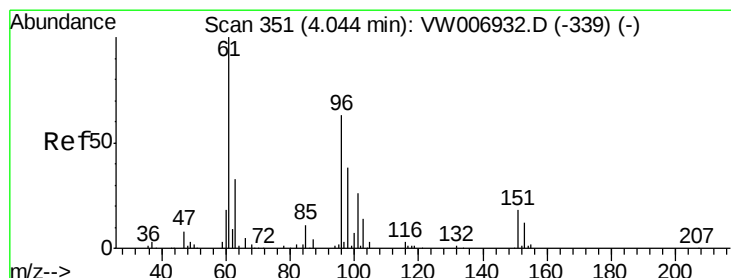
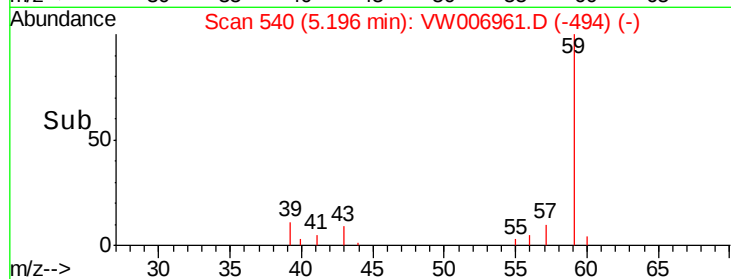
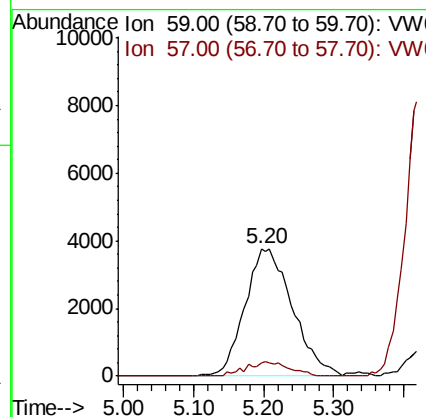
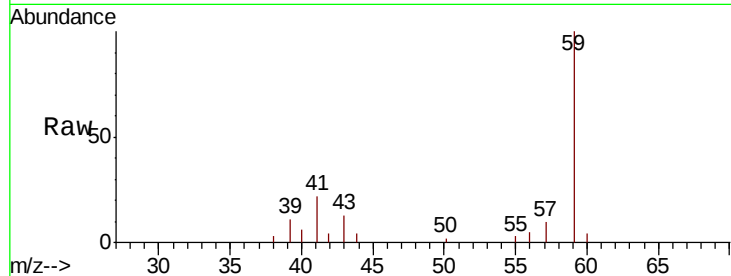
#11
Tert butyl alcohol
Concen: 217.647 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.02 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.8	13.2

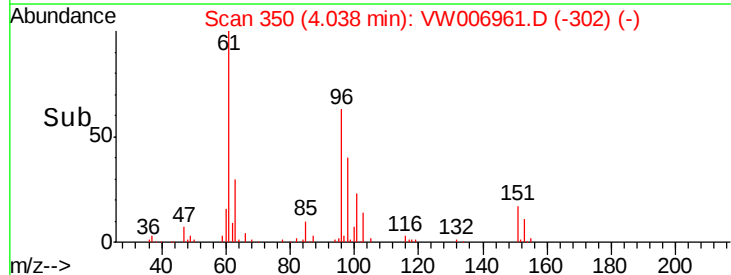
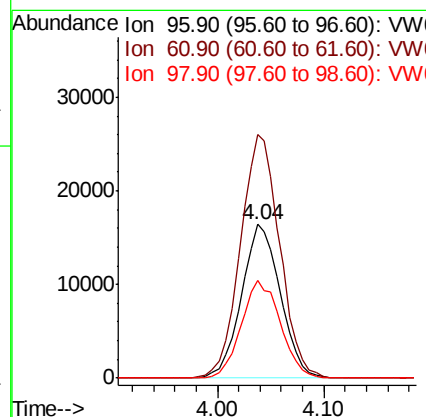
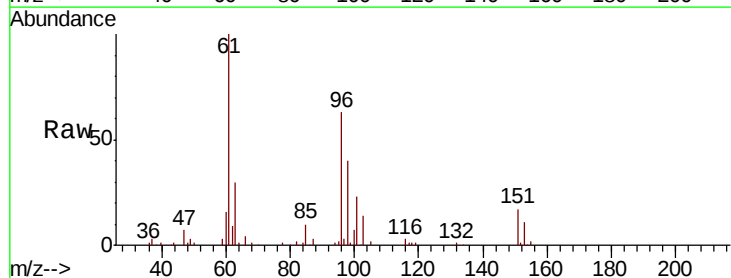
Manual Integrations
APPROVED

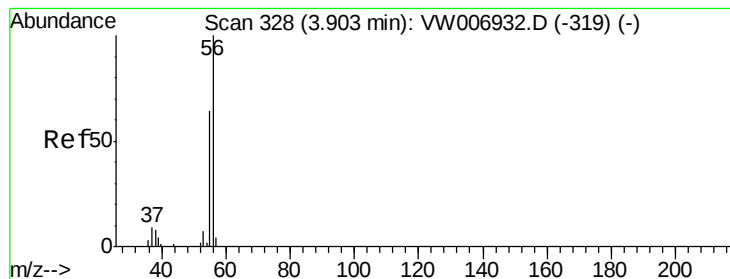
apatel
11/20/2018 4:52:48 PM



#12
1,1-Dichloroethene
Concen: 47.060 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.7	127.8	191.8
98	63.5	48.3	72.5





#13

Acrolein

Concen: 264.384 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 56 Resp: 19638

Ion Ratio Lower Upper

56 100

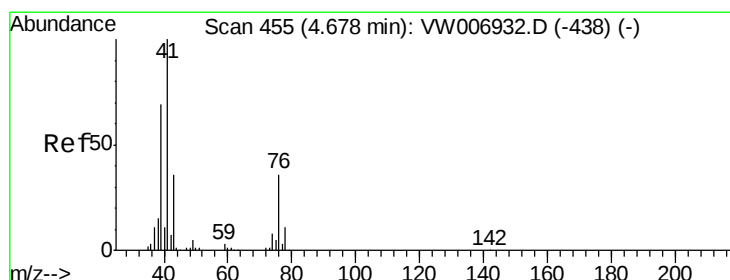
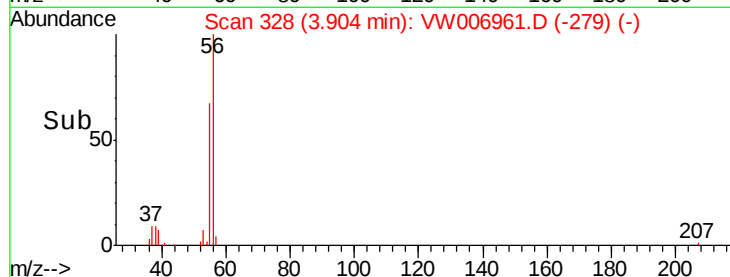
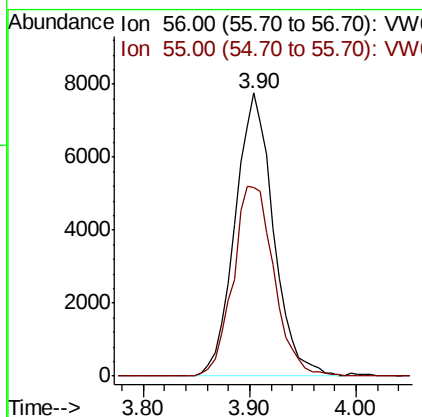
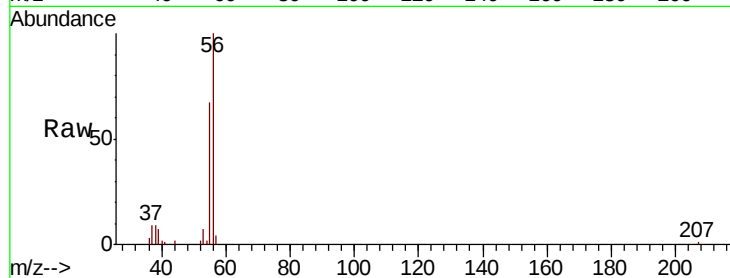
55 71.6 56.5 84.7

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#14

Allyl chloride

Concen: 45.511 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

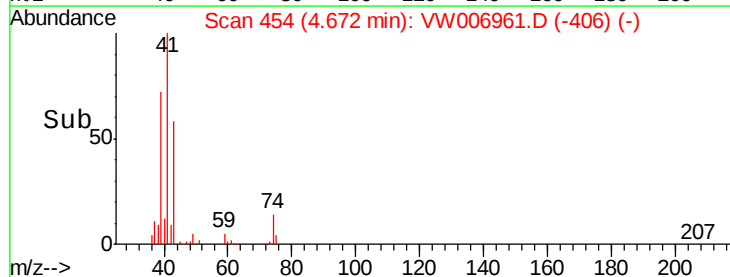
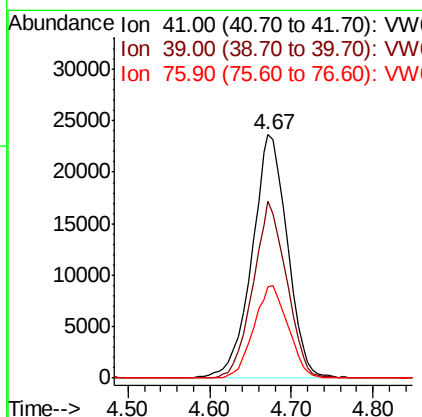
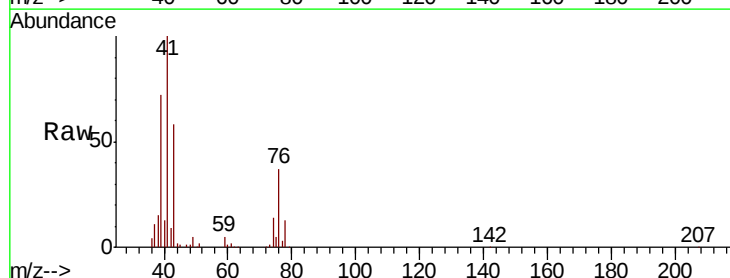
Tgt Ion: 41 Resp: 71269

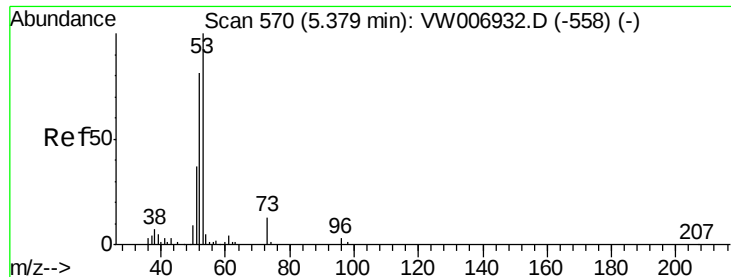
Ion Ratio Lower Upper

41 100

39 68.9 55.0 82.4

76 36.8 28.0 42.0





#15

Acrylonitrile

Concen: 267.718 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

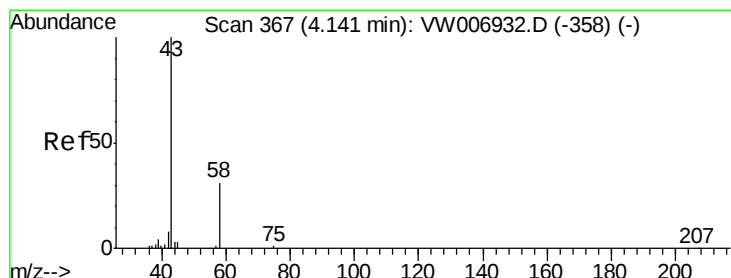
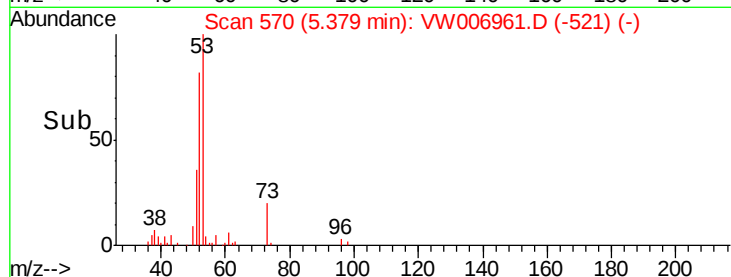
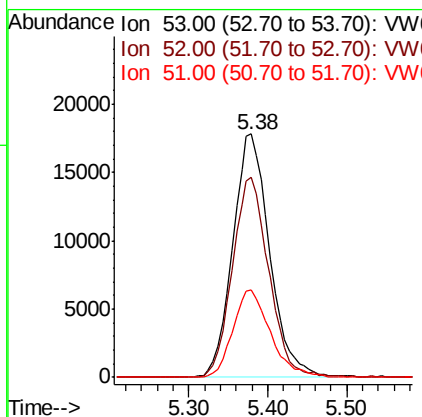
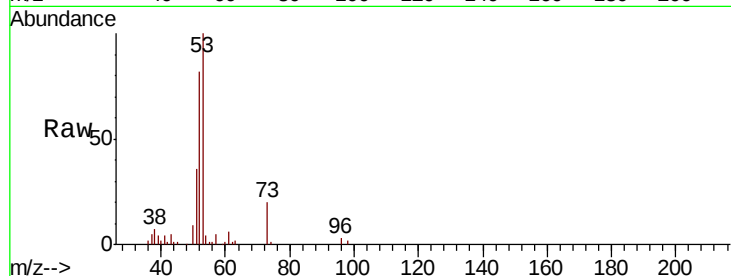
ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:	53	Resp:	57930
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.0	100.6
51	36.4	29.8	44.6

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM



#16

Acetone

Concen: 236.363 ug/l

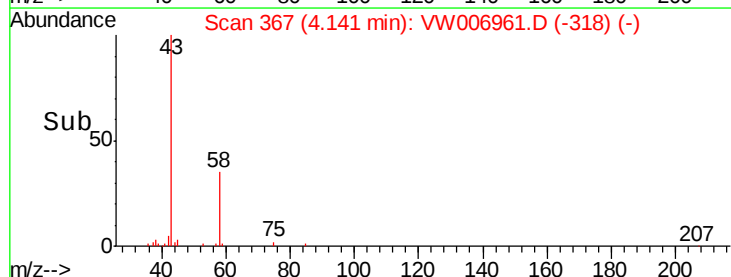
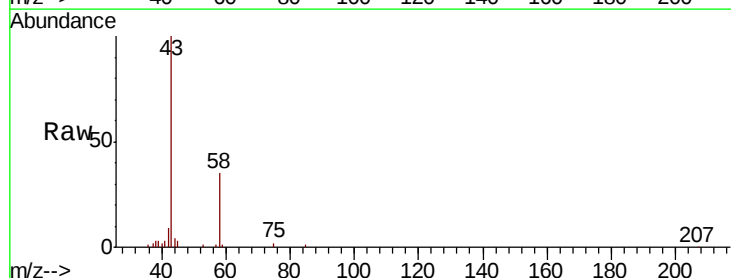
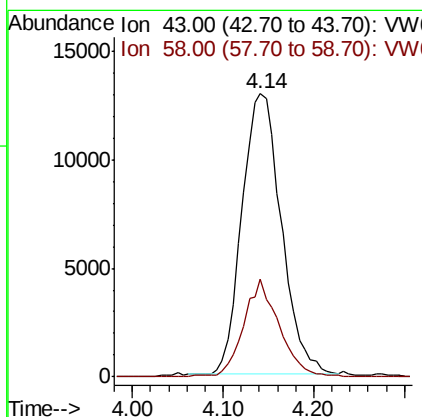
RT: 4.14 min Scan# 367

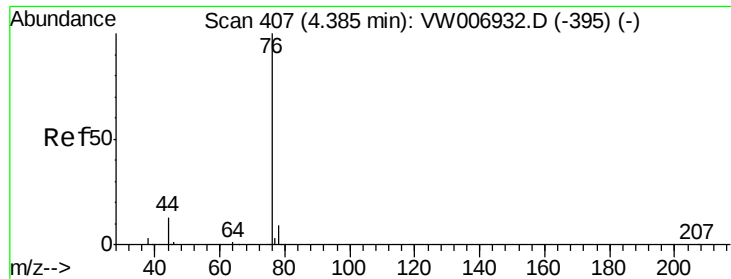
Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion:	43	Resp:	38929
Ion	Ratio	Lower	Upper
43	100		
58	35.1	24.2	36.4





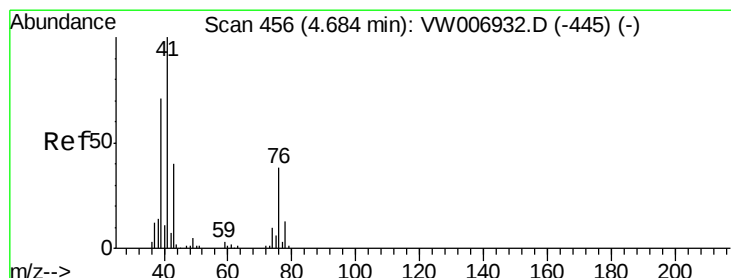
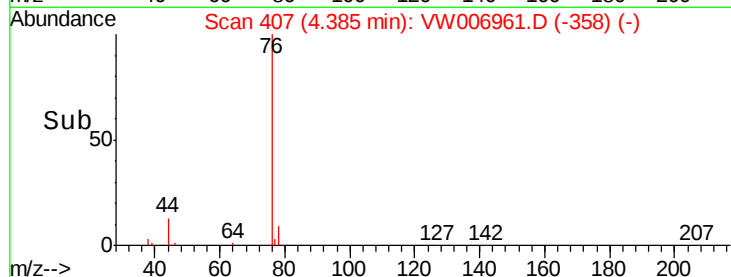
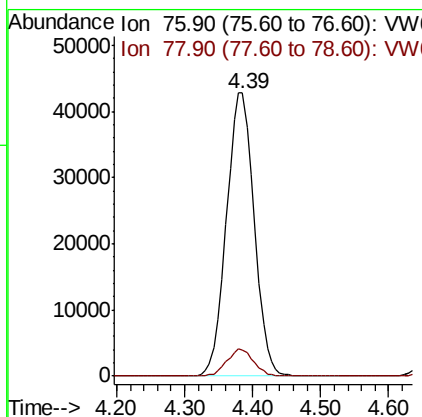
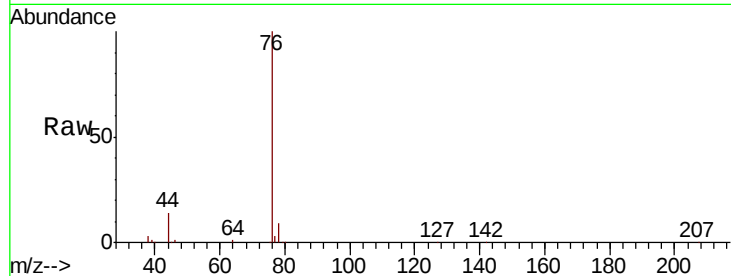
#17
Carbon Disulfide
Concen: 42.932 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

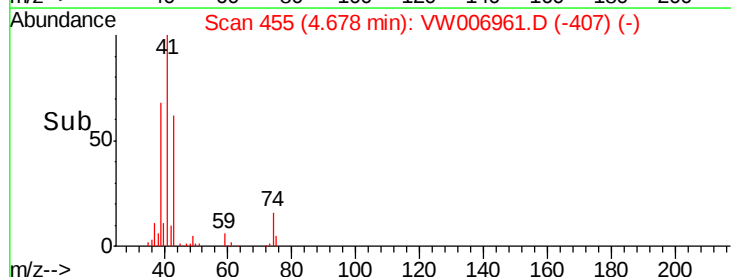
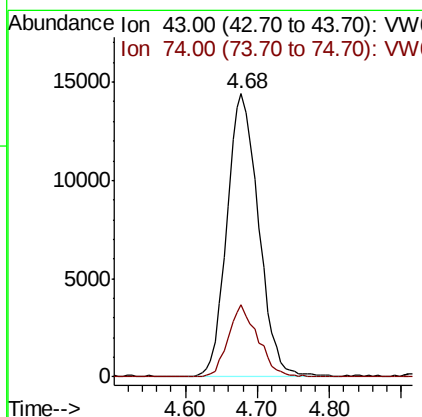
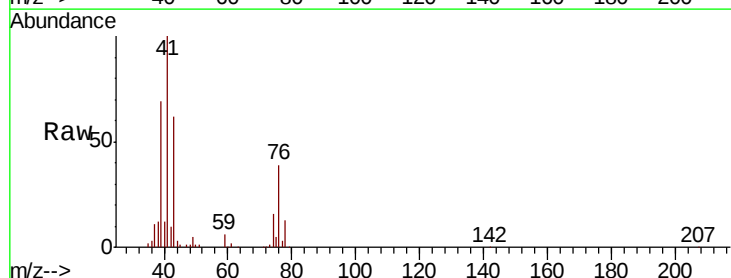
Manual Integrations
APPROVED

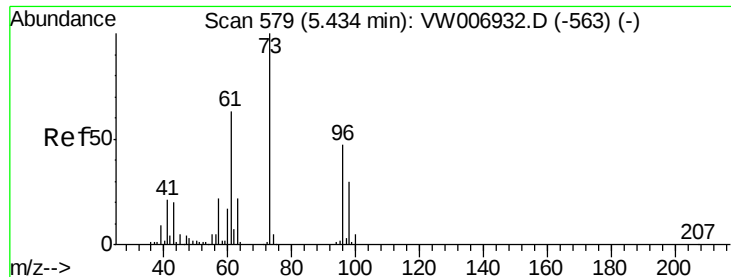
apatel
11/20/2018 4:52:48 PM



#18
Methyl Acetate
Concen: 73.221 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	20.3	30.5





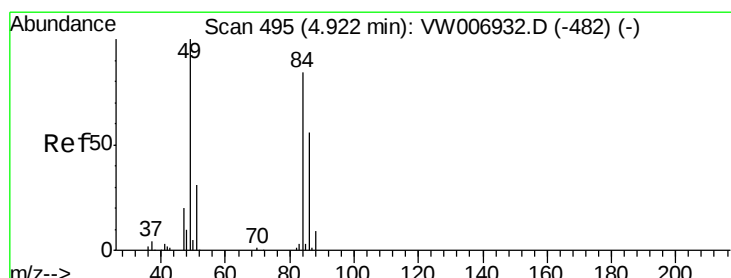
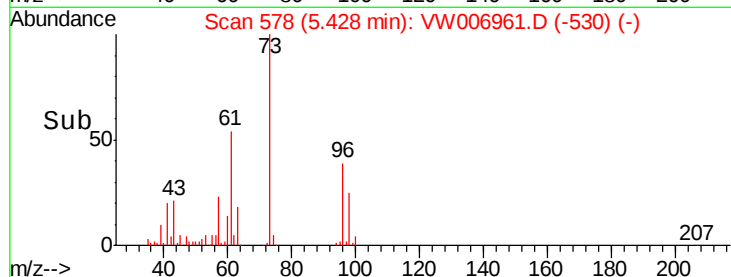
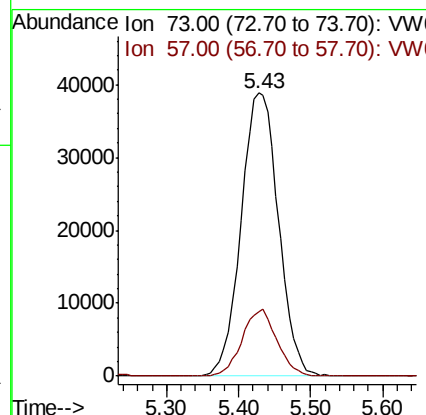
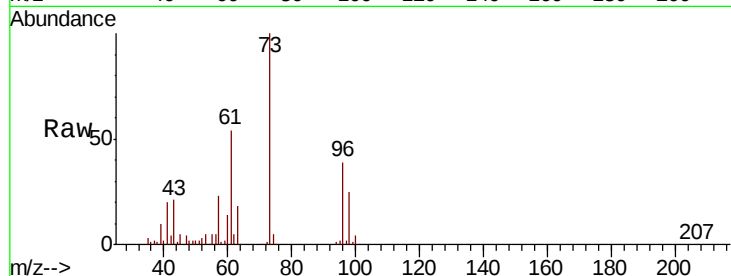
#19
Methvl tert-butvl Ether
Concen: 53.479 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion: 73 Resp: 139555
Ion Ratio Lower Upper
73 100
57 22.6 17.5 26.3

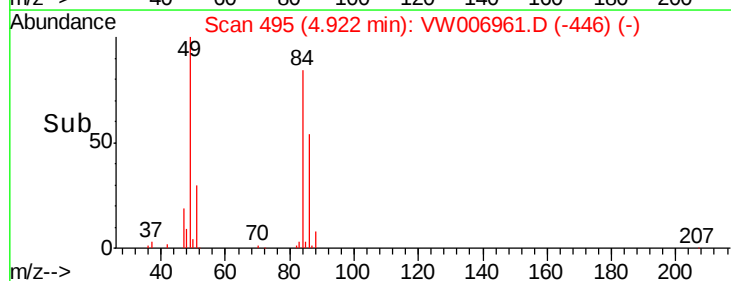
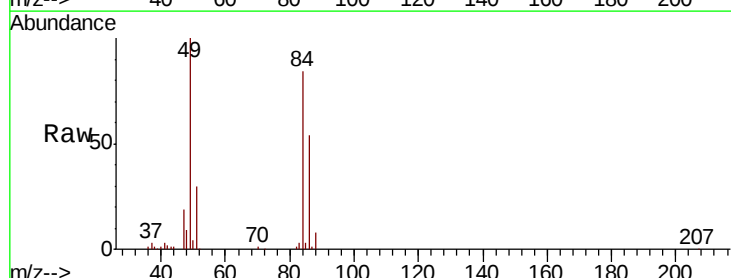
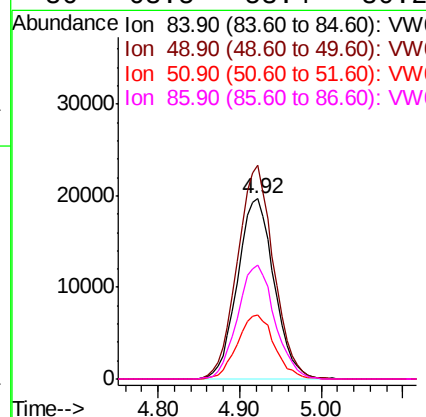
Manual Integrations
APPROVED

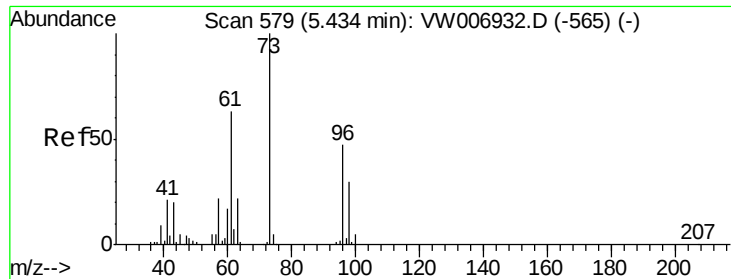
apatel
11/20/2018 4:52:48 PM



#20
Methylene Chloride
Concen: 54.356 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 84 Resp: 61322
Ion Ratio Lower Upper
84 100
49 118.5 95.4 143.2
51 35.7 29.5 44.3
86 63.5 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 41.635 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

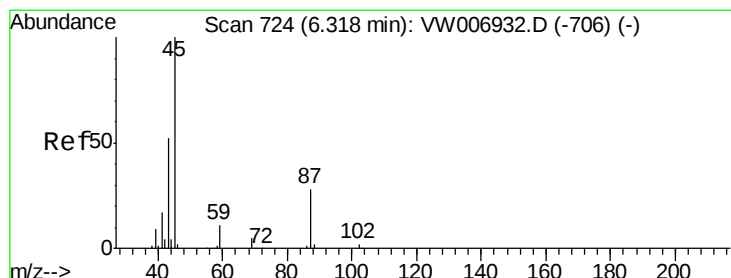
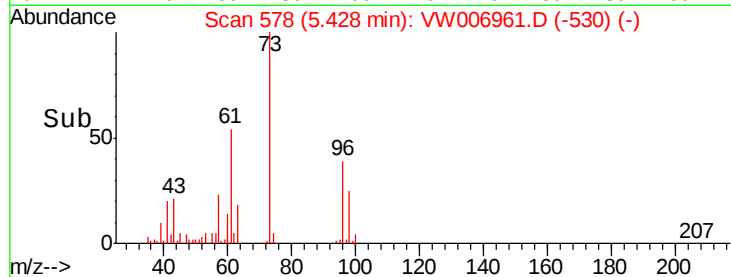
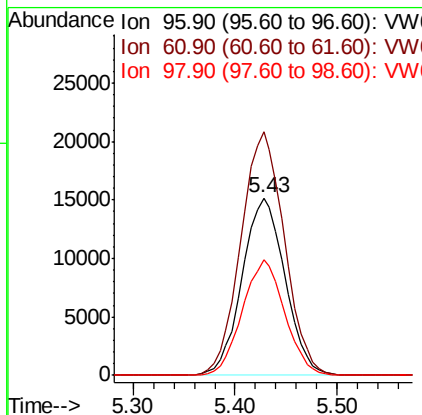
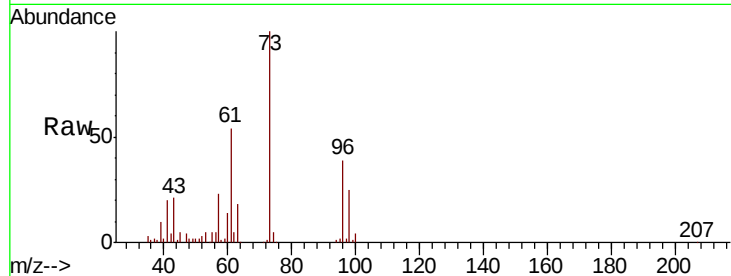
ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:	96	Resp:	44211
Ion	Ratio	Lower	Upper
96	100		
61	137.5	108.2	162.4
98	65.0	50.6	76.0

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM



#22

Diisopropyl ether

Concen: 49.734 ug/l

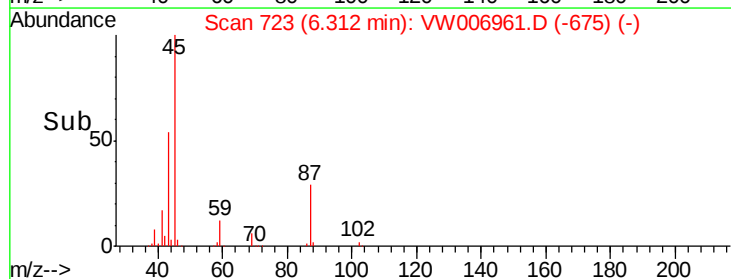
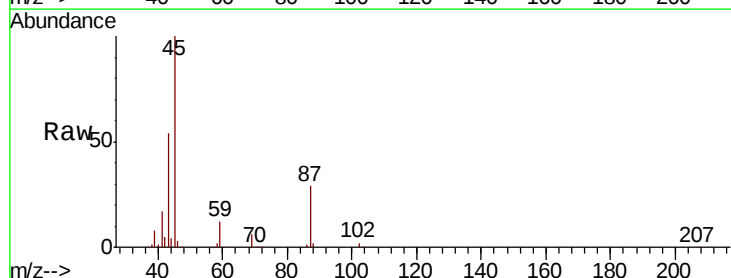
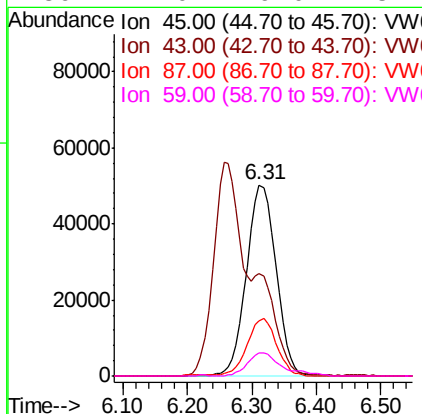
RT: 6.31 min Scan# 723

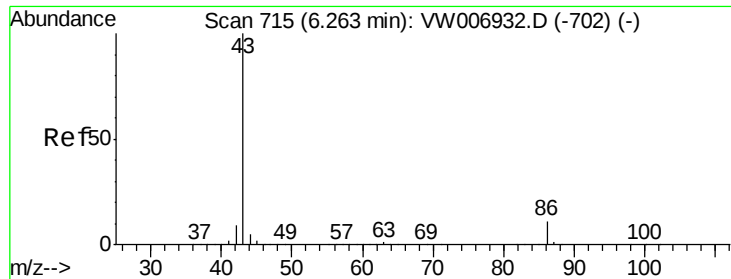
Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion:	45	Resp:	158968
Ion	Ratio	Lower	Upper
45	100		
43	53.1	43.1	64.7
87	29.0	22.7	34.1
59	12.0	9.0	13.4





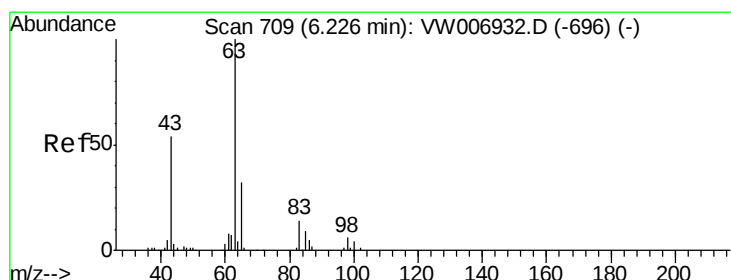
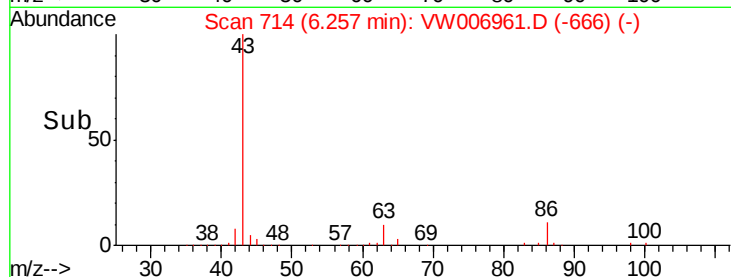
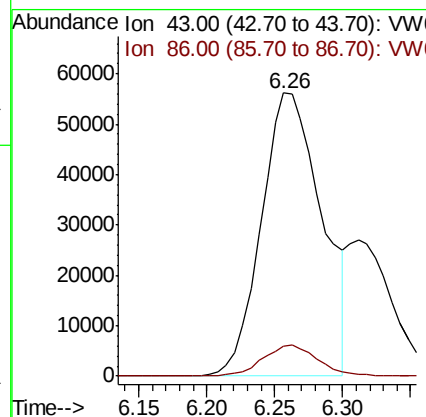
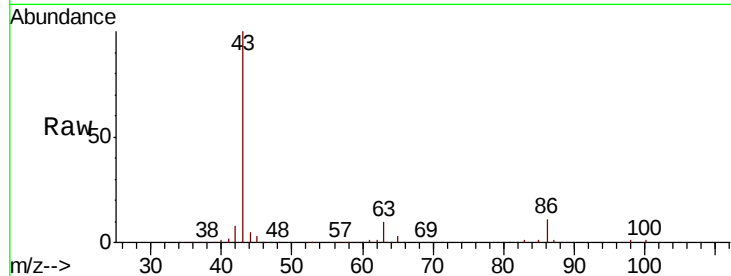
#23
 Vinyl Acetate
 Concen: 98.476 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Tot Ion	43	Resp	174303
Ion Ratio	100	Lower	Upper
43	100		
86	10.5	8.7	13.1

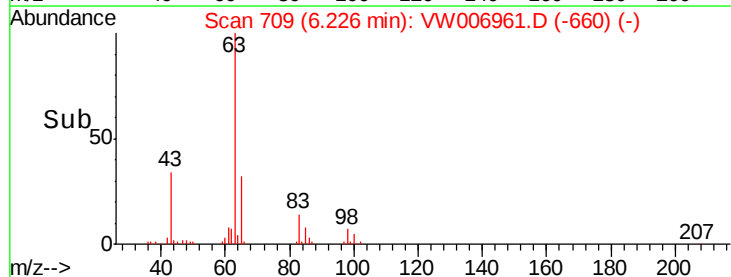
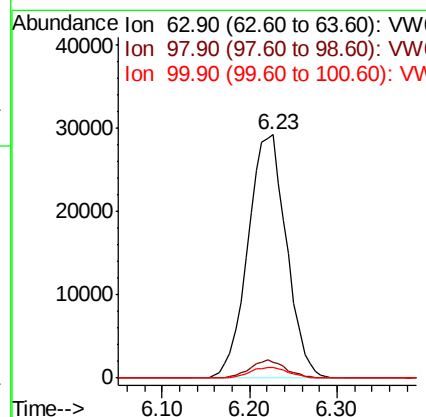
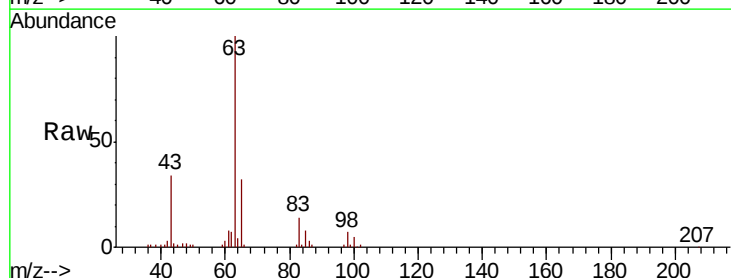
Manual Integrations
 APPROVED

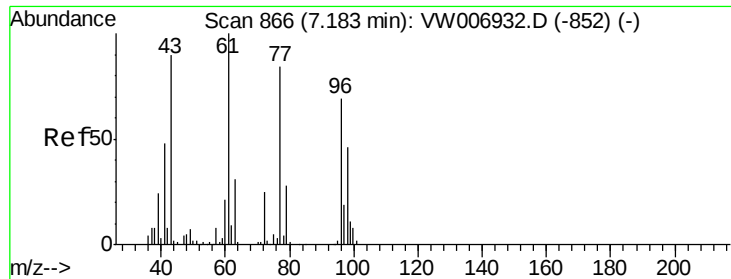
apatel
 11/20/2018 4:52:48 PM



#24
 1,1-Dichloroethane
 Concen: 48.445 ug/l
 RT: 6.23 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion	63	Resp	89165
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.2	9.6
100	4.6	2.1	6.5





#25

2-Butanone

Concen: 256.725 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 43 Resp: 70222

Ion Ratio Lower Upper

43 100

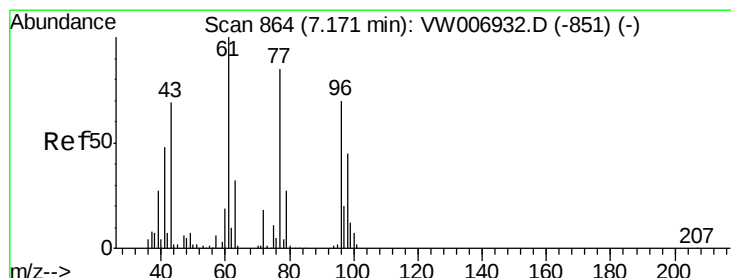
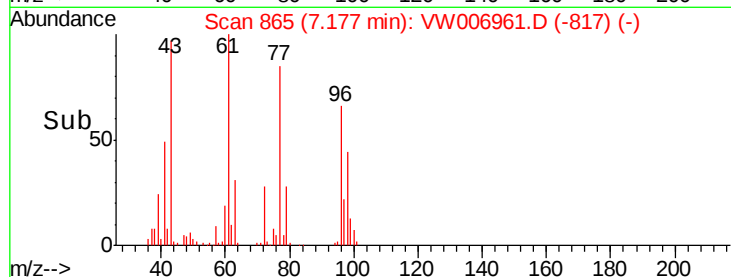
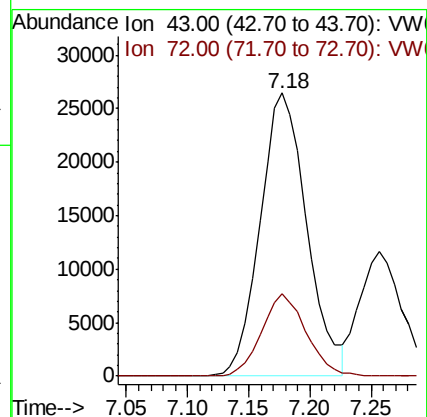
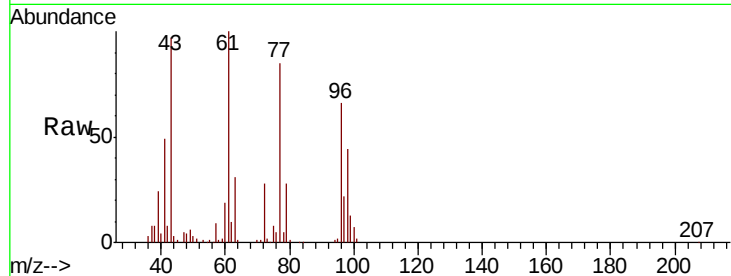
72 28.9 22.1 33.1

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#26

2,2-Dichloropropane

Concen: 45.928 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006961.D

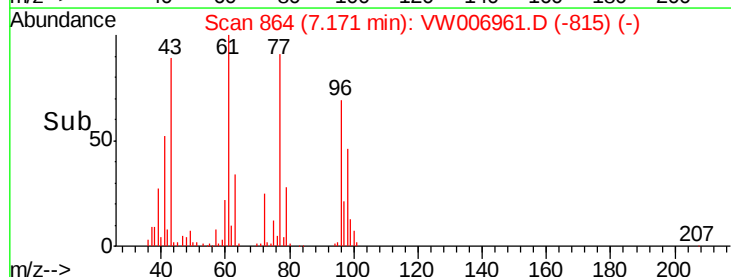
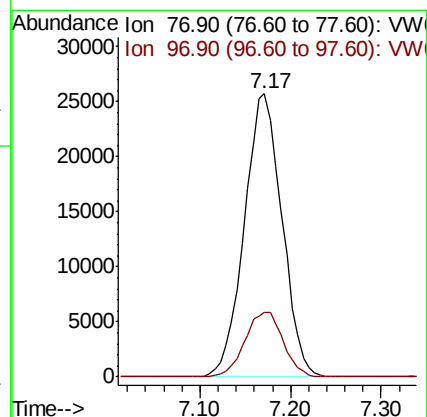
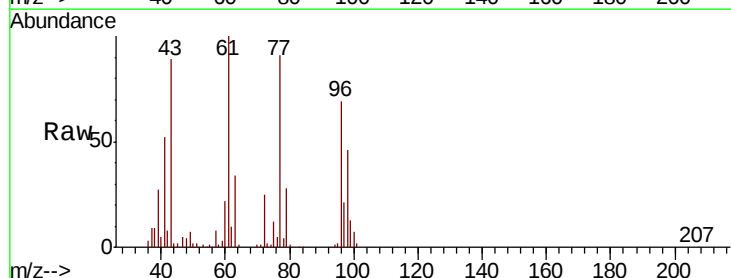
Acq: 19 Nov 2018 23:32

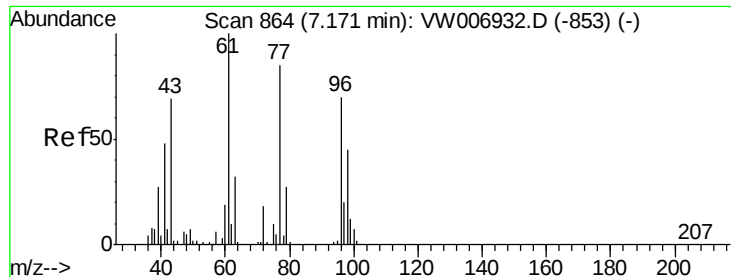
Tgt Ion: 77 Resp: 73757

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.9





#27

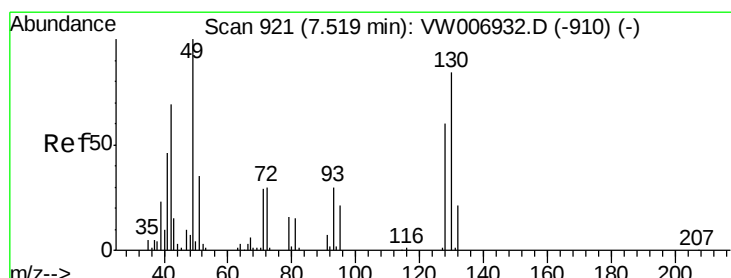
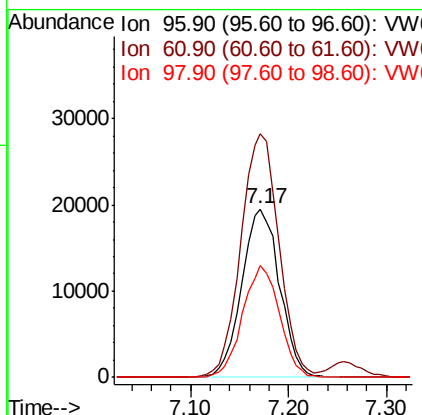
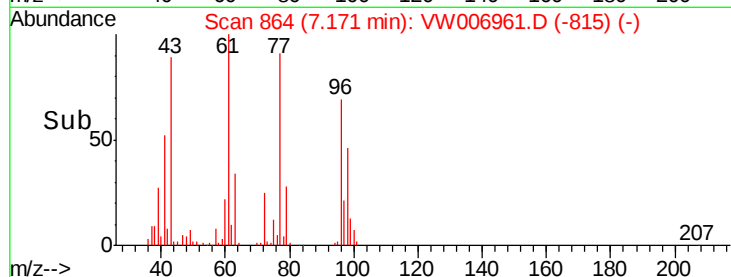
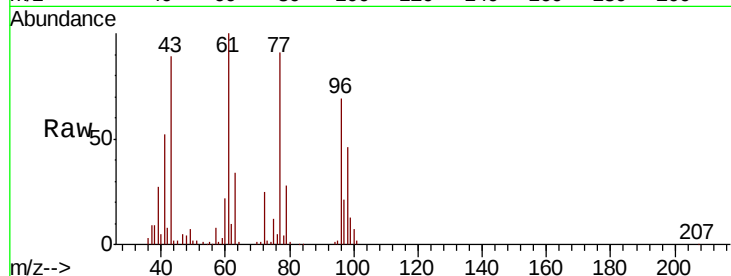
cis-1,2-Dichloroethene
Concen: 44.434 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	293.8
98	64.4	0.0	131.0

Manual Integrations
APPROVED

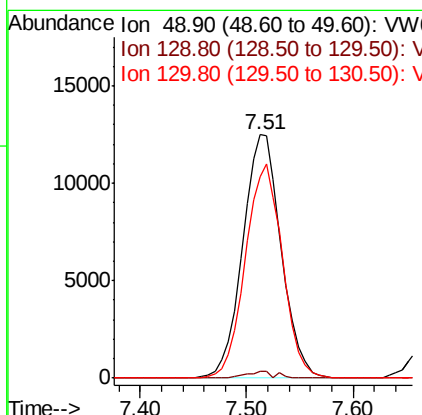
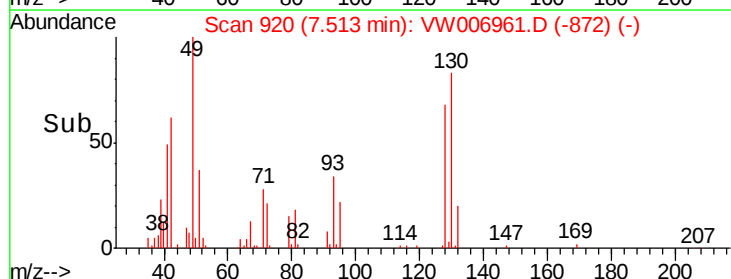
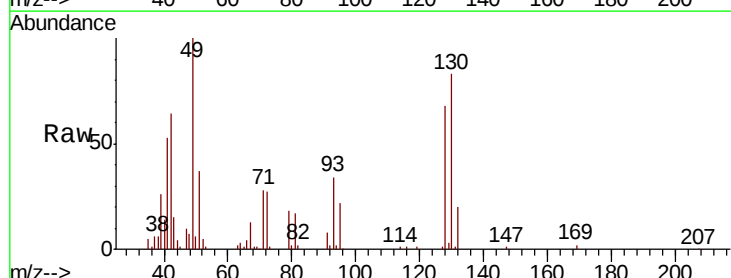
apatel
11/20/2018 4:52:48 PM

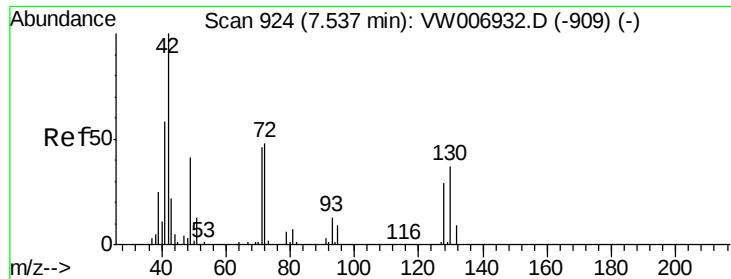


#28

Bromochloromethane
Concen: 46.758 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	1.6#
130	84.9	66.1	99.1





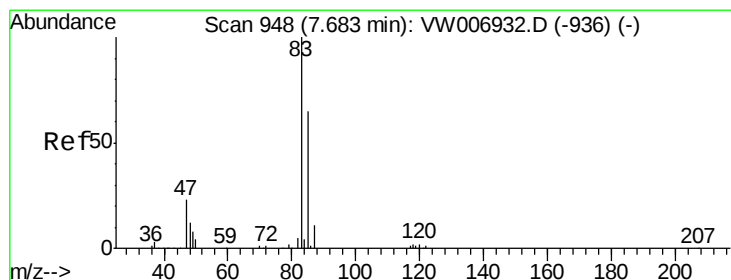
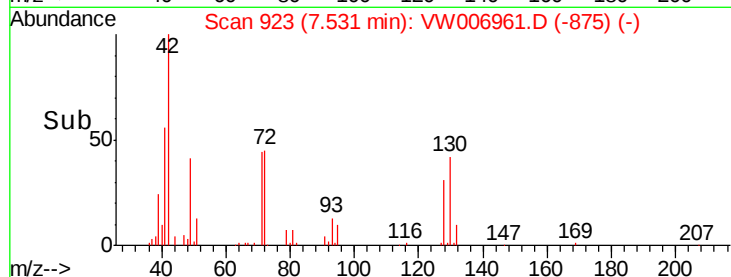
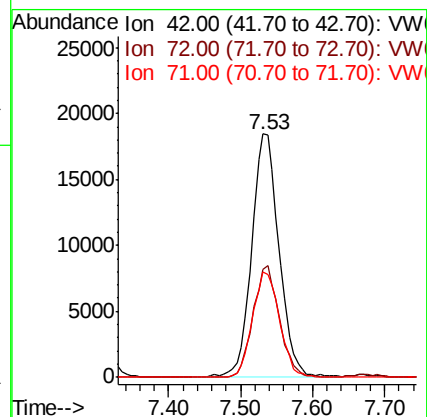
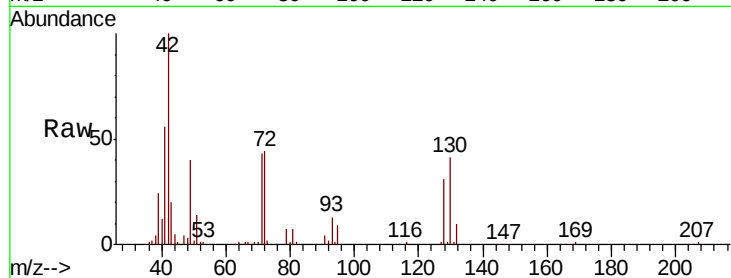
#29
Tetrahydrofuran
Concen: 274.320 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.7	53.5
71	42.7	33.7	50.5

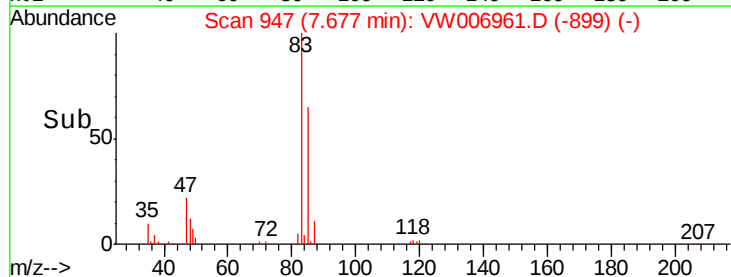
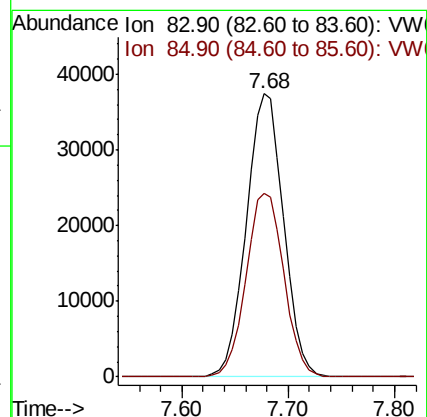
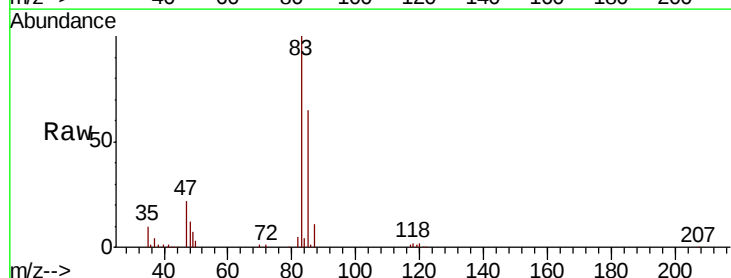
Manual Integrations
APPROVED

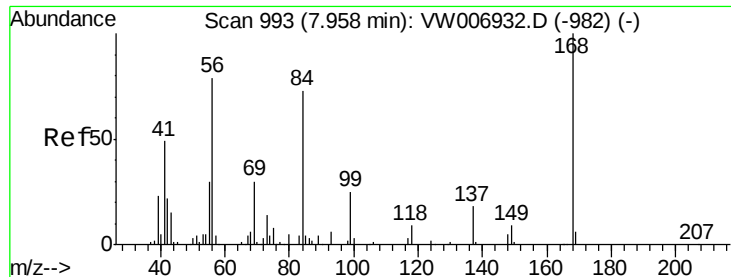
apatel
11/20/2018 4:52:48 PM



#30
Chloroform
Concen: 45.467 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





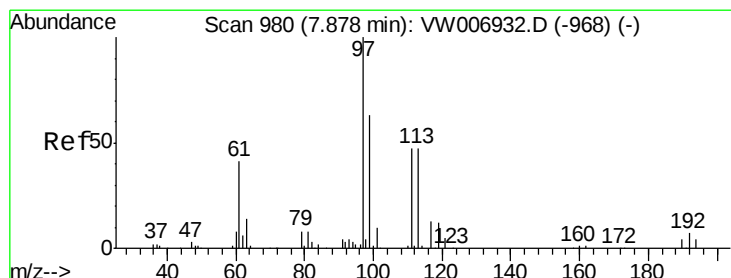
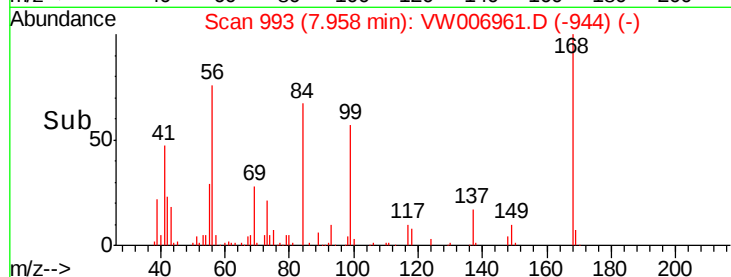
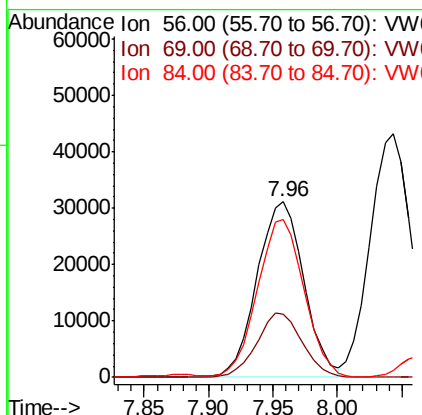
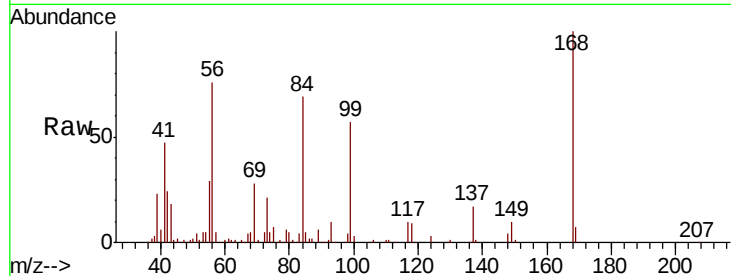
#31
Cyclohexane
Concen: 42.514 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.2	30.2	45.2	
84	88.6	73.6	110.4	

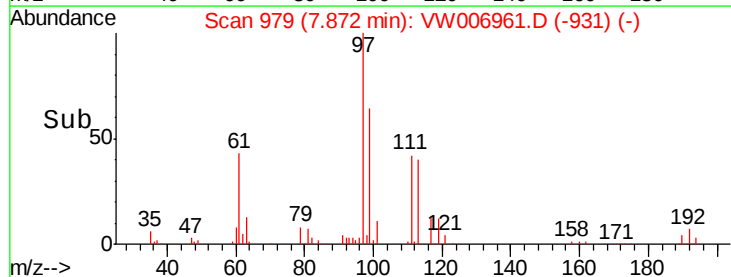
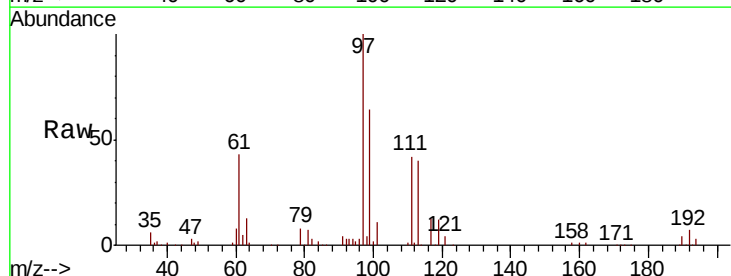
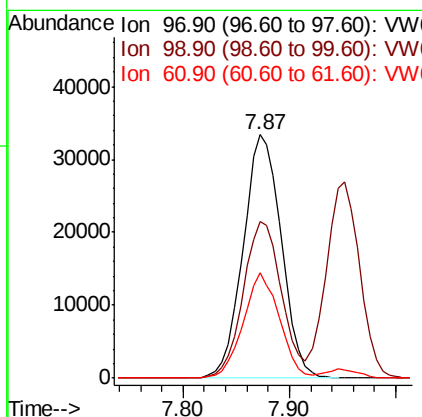
Manual Integrations
APPROVED

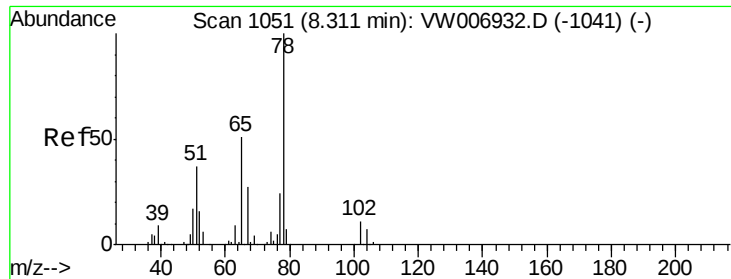
apatel
11/20/2018 4:52:48 PM



#32
1,1,1-Trichloroethane
Concen: 48.376 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.8	51.0	76.6	
61	41.1	34.2	51.2	





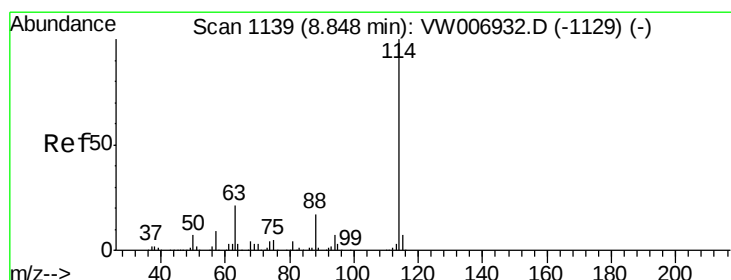
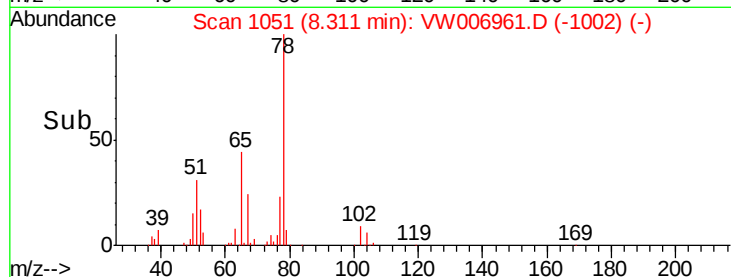
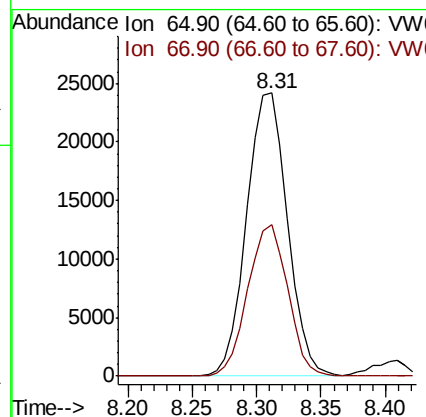
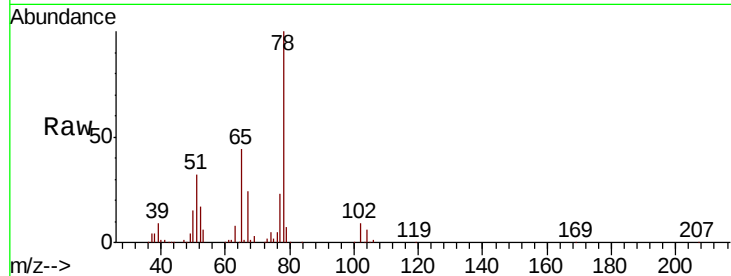
#33
 1,2-Dichloroethane-d4
 Concen: 49.322 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.0

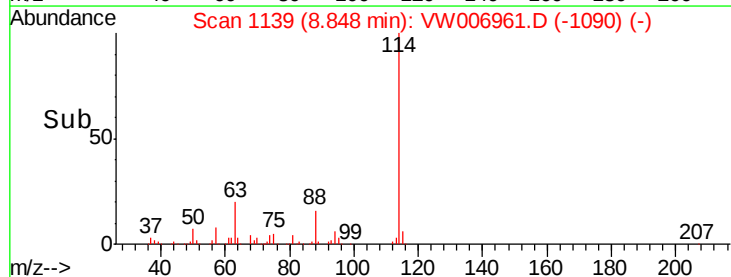
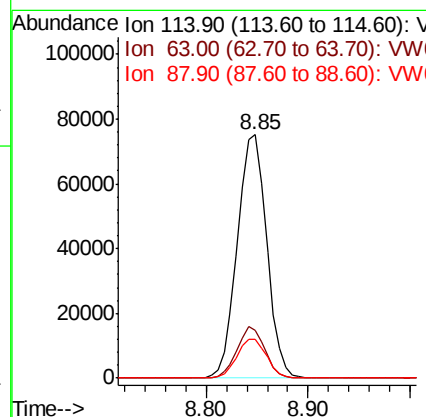
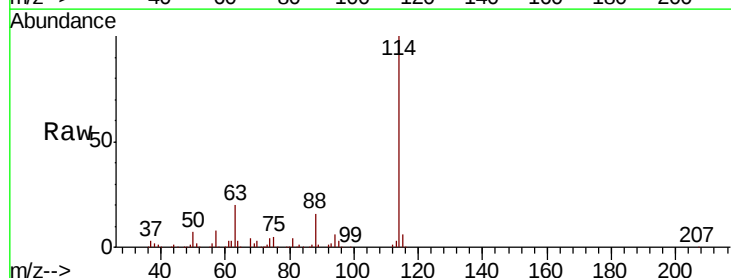
Manual Integrations
 APPROVED

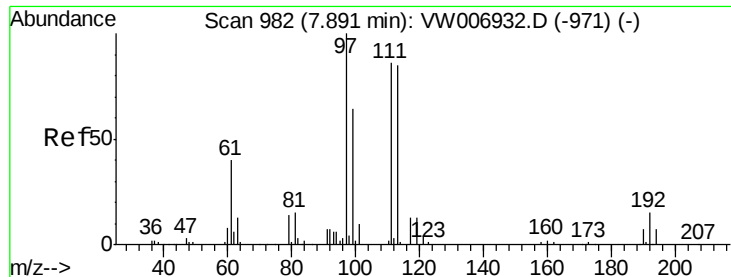
apatel
 11/20/2018 4:52:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	42.2
88	15.9	0.0	33.4





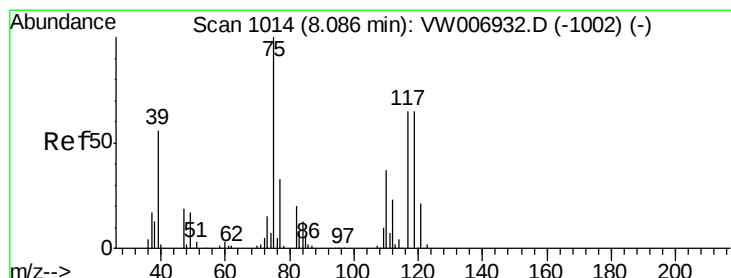
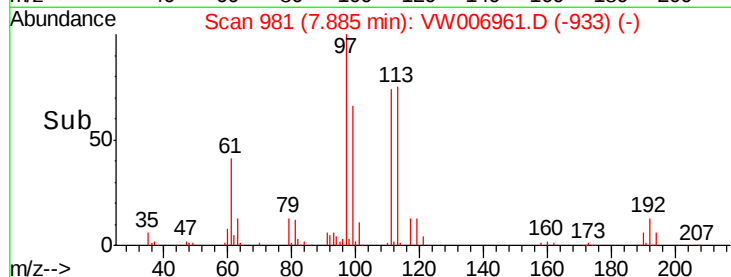
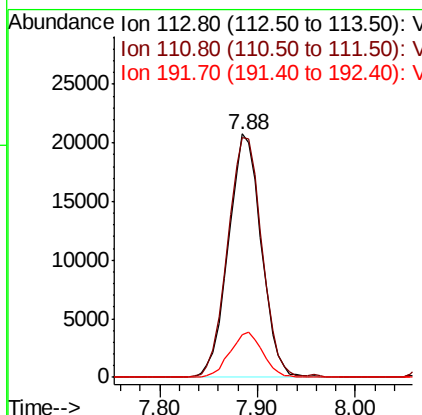
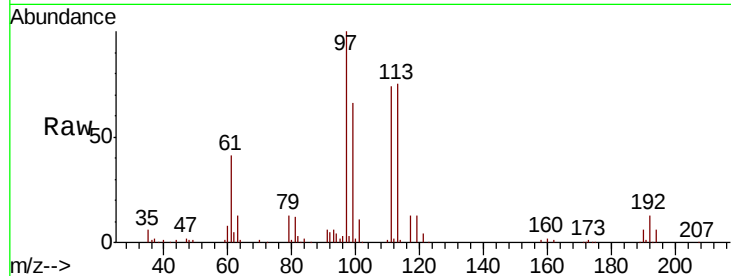
#35
 Dibromofluoromethane
 Concen: 54.998 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.7	122.5
192	18.4	13.9	20.9

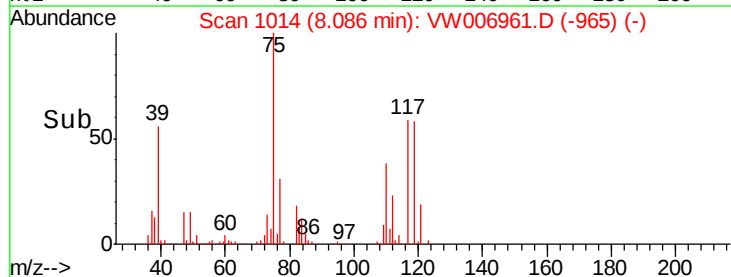
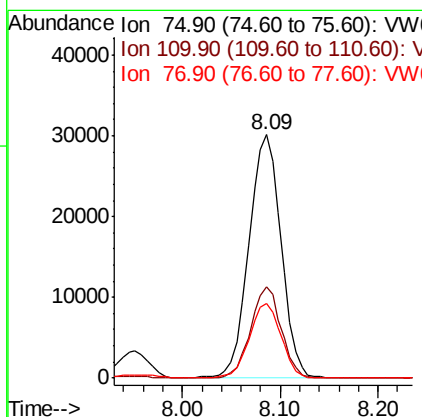
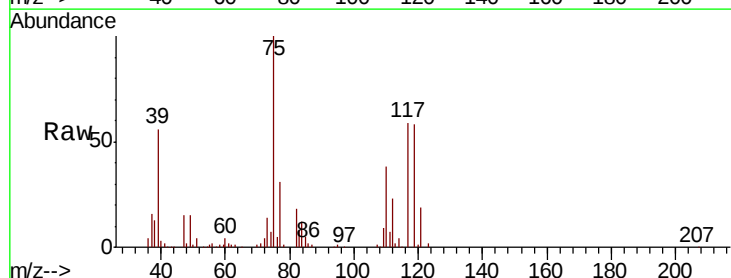
Manual Integrations
 APPROVED

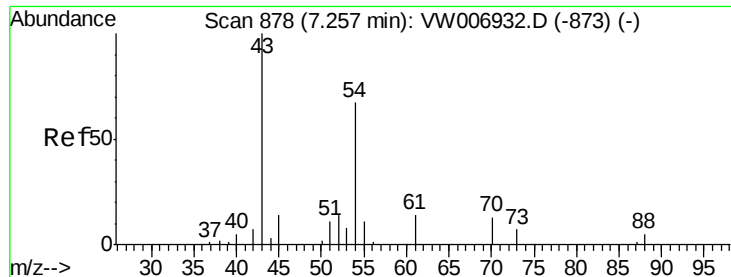
apatel
 11/20/2018 4:52:48 PM



#36
 1,1-Dichloropropene
 Concen: 48.229 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.1
77	30.4	25.4	38.0





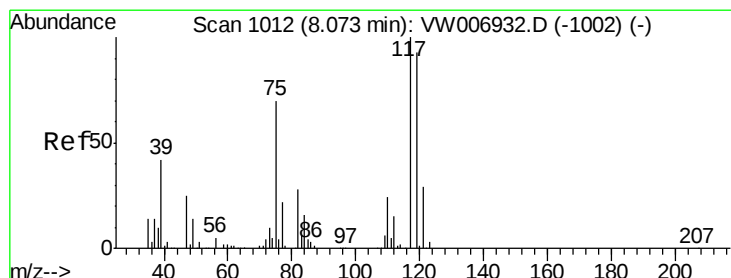
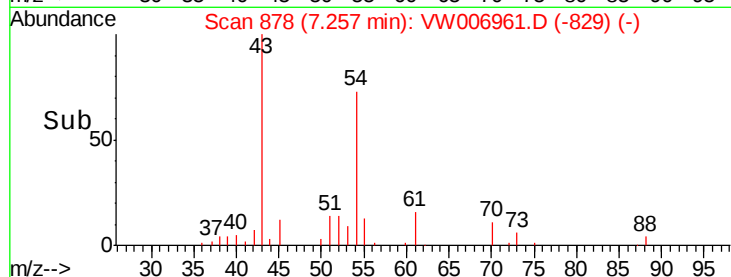
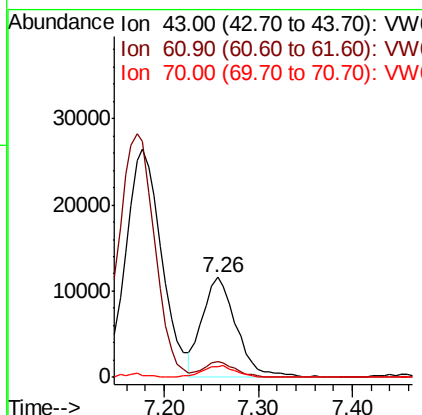
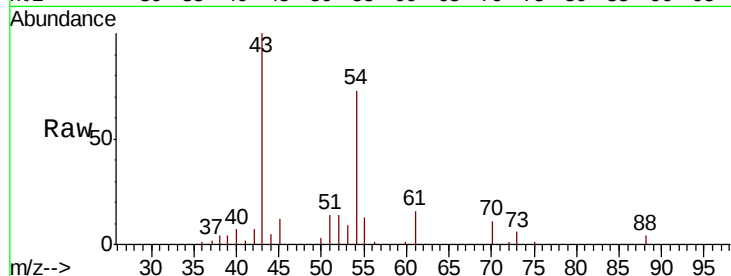
#37
Ethyl Acetate
Concen: 47.991 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.6
70	11.5	8.8	13.2

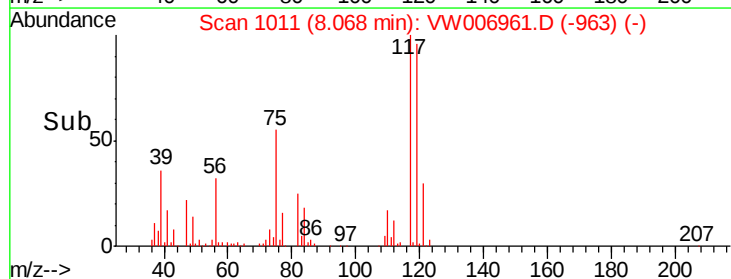
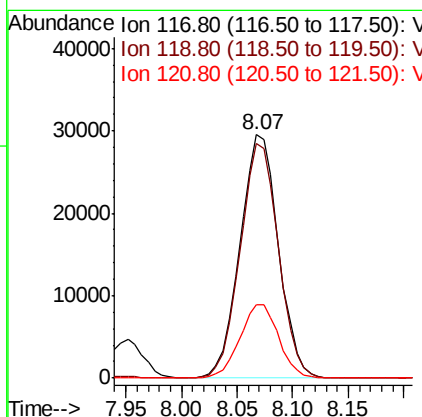
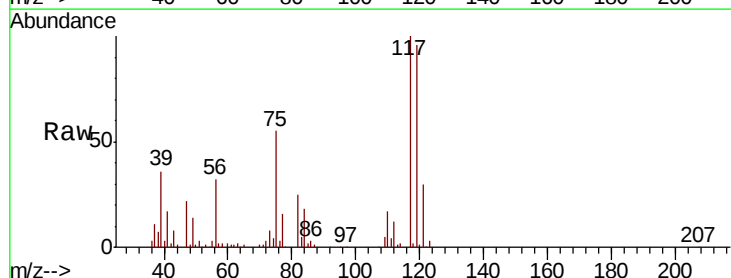
Manual Integrations
APPROVED

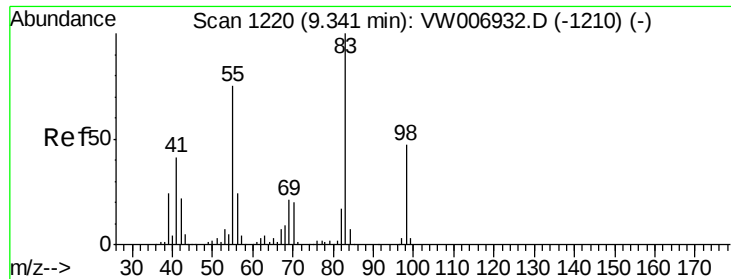
apatel
11/20/2018 4:52:48 PM



#38
Carbon Tetrachloride
Concen: 50.363 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	74.2	111.4
121	30.2	23.5	35.3





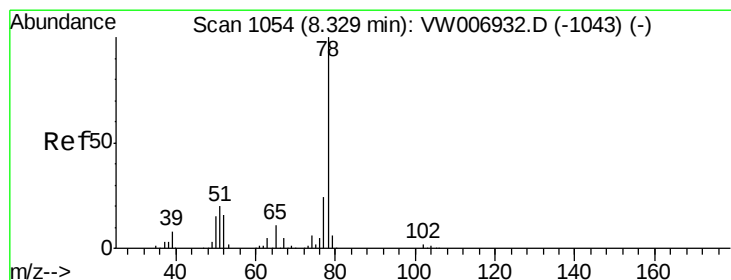
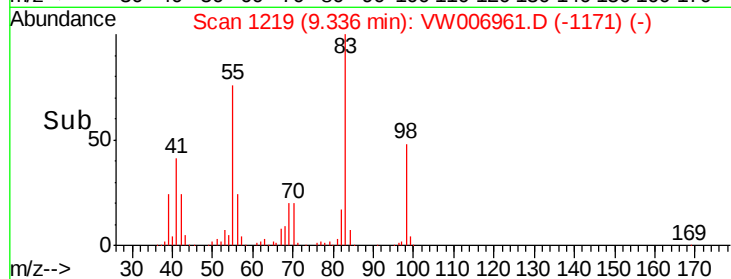
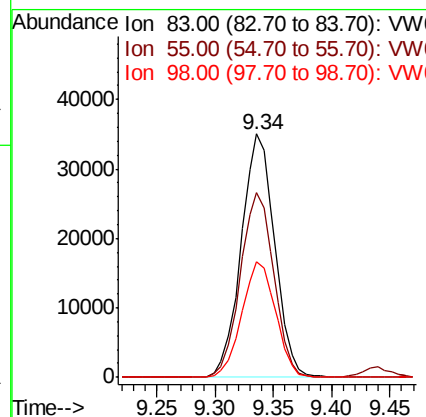
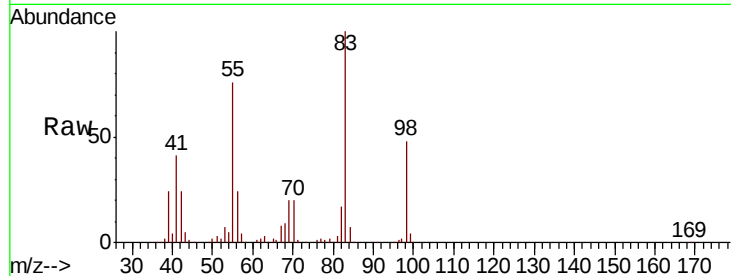
#39
Methvlcvclohexane
Concen: 39.493 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.2	90.4
98	47.7	37.3	55.9

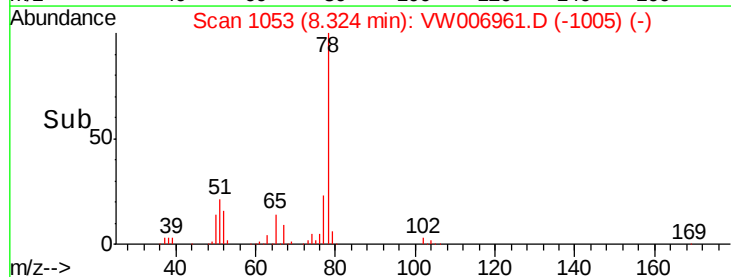
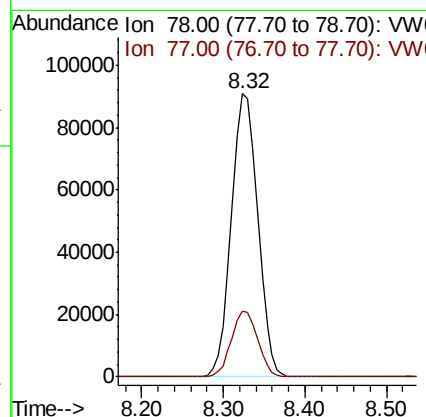
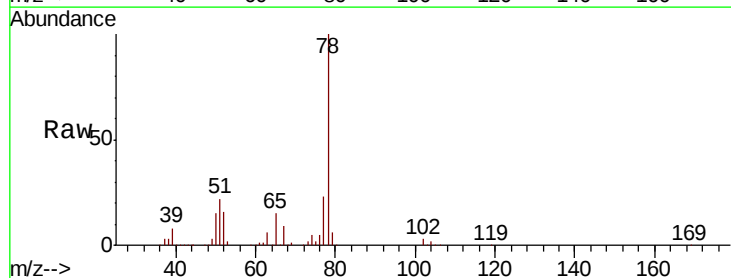
Manual Integrations
APPROVED

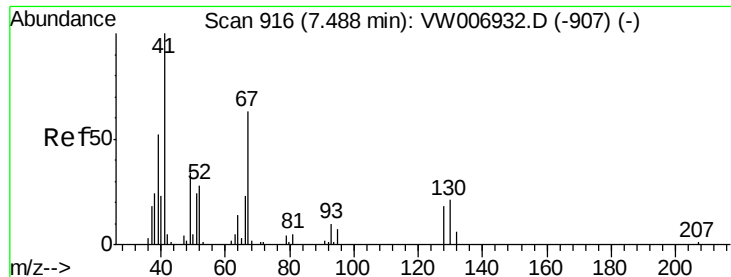
apatel
11/20/2018 4:52:48 PM



#40
Benzene
Concen: 50.294 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9





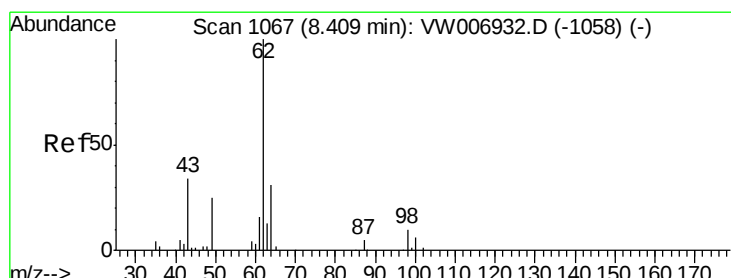
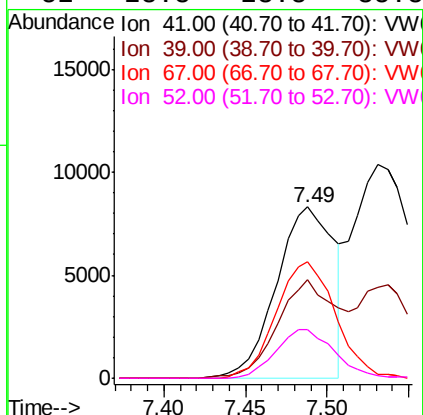
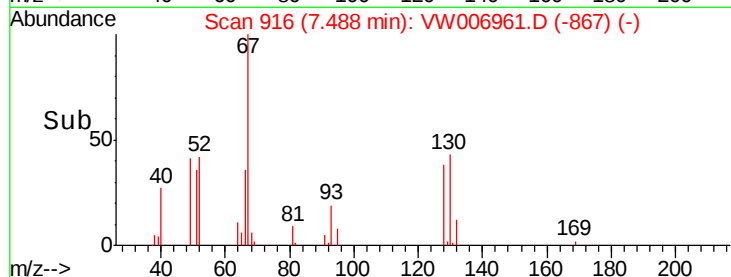
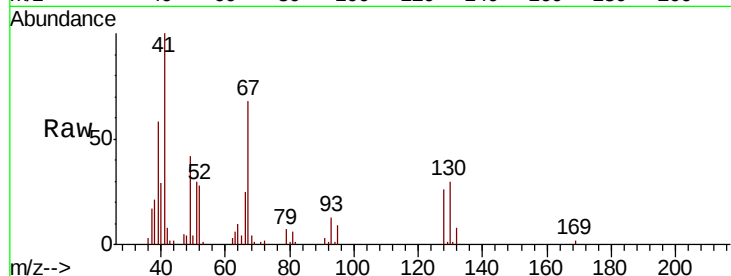
#41
Methacrylonitrile
Concen: 54.925 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.2	41.8	62.6
67	69.8	54.7	82.1
52	28.8	23.8	35.8

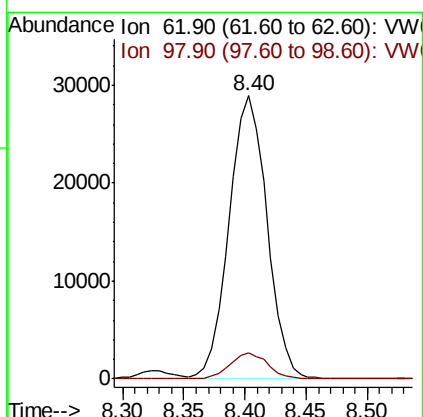
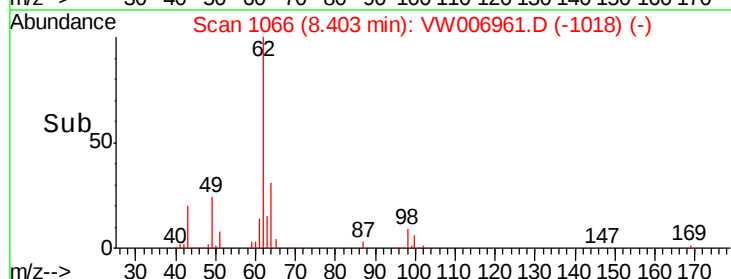
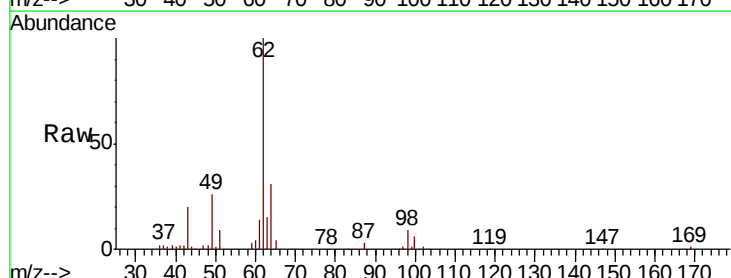
Manual Integrations
APPROVED

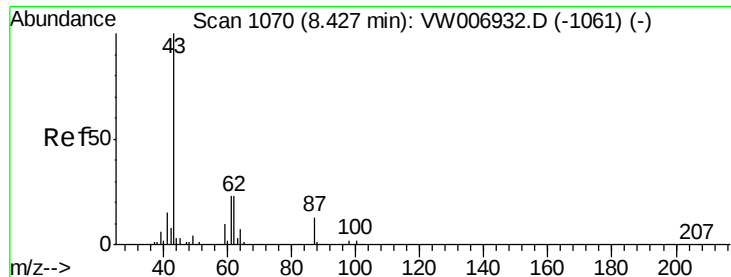
apatel
11/20/2018 4:52:48 PM



#42
1,2-Dichloroethane
Concen: 51.370 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 51.414 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

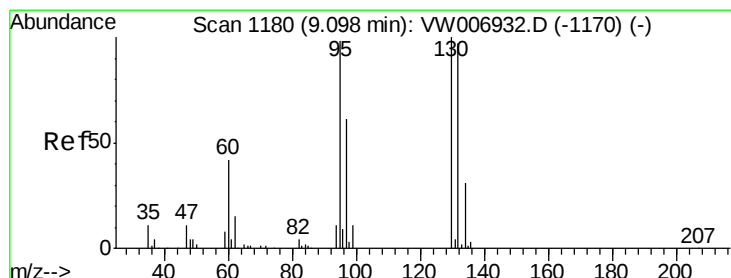
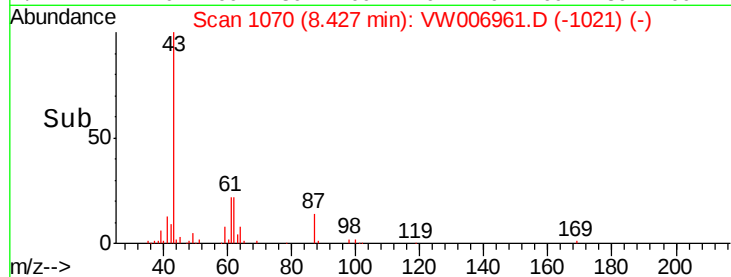
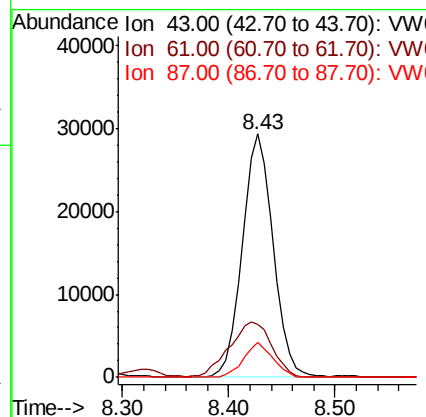
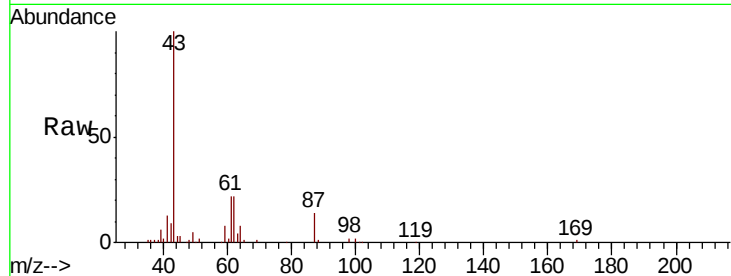
ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:	43	Resp:	59984
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.6	37.0
87	13.6	11.0	16.6

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM



#44

Trichloroethene

Concen: 48.495 ug/l

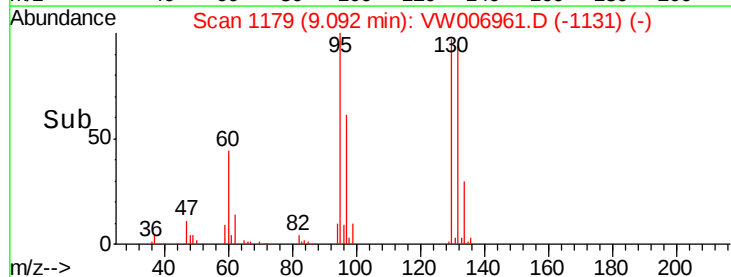
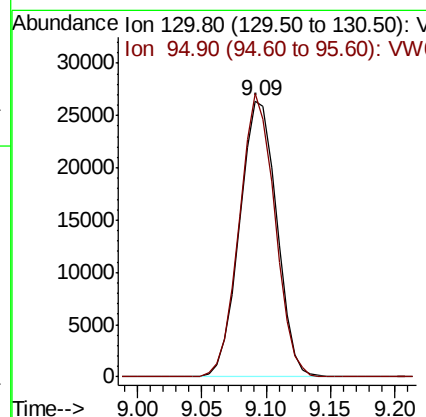
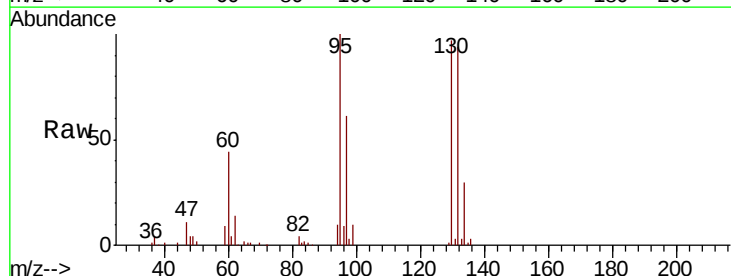
RT: 9.09 min Scan# 1179

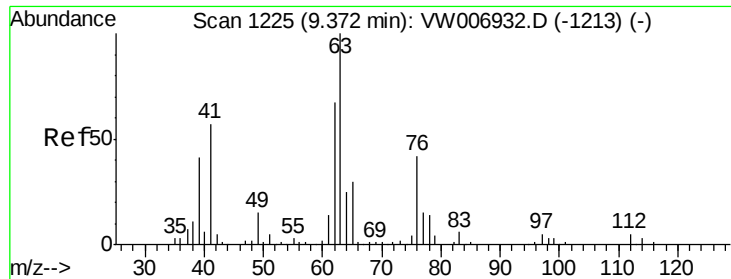
Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion:	130	Resp:	52700
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	196.4





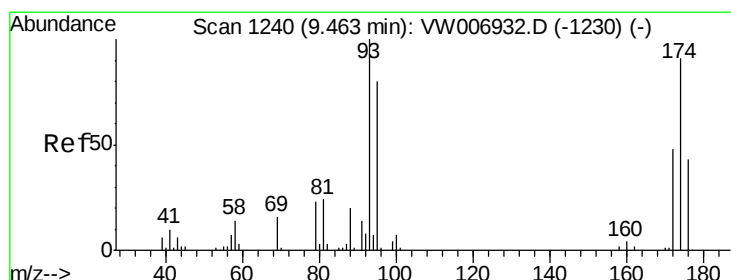
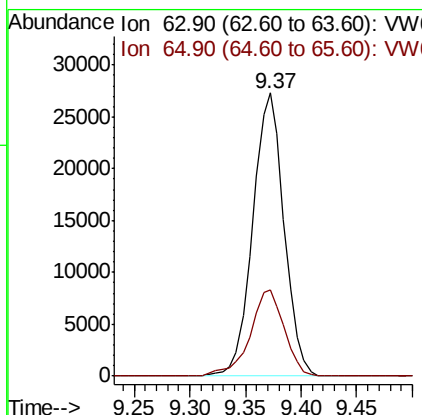
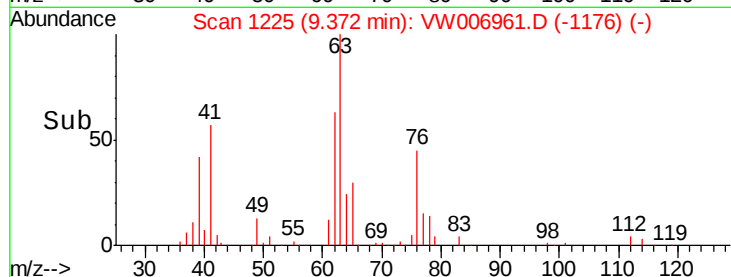
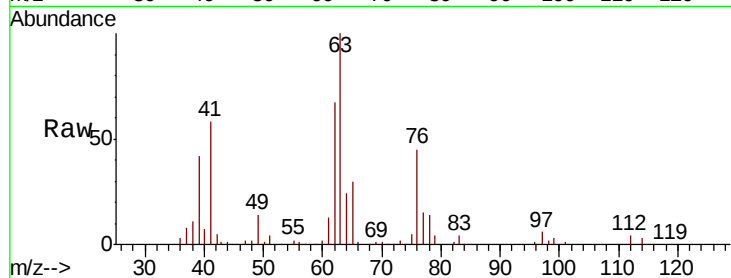
#45
 1,2-Dichloropropane
 Concen: 52.291 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.9	35.9

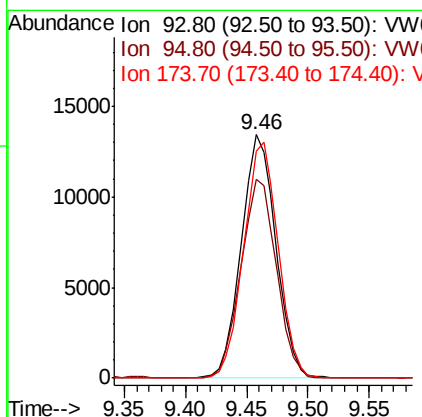
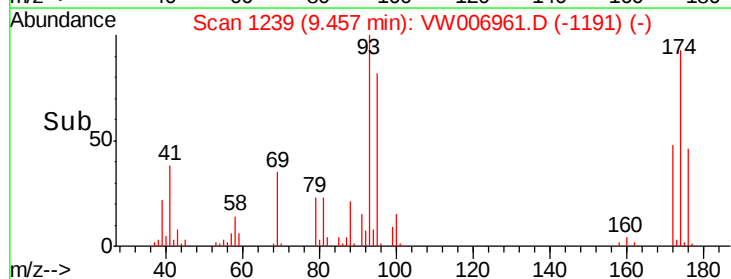
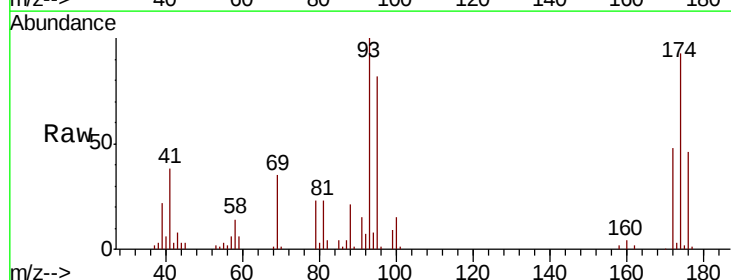
Manual Integrations
 APPROVED

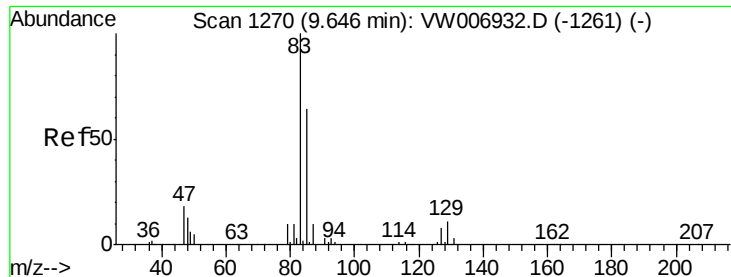
apatel
 11/20/2018 4:52:48 PM



#46
 Dibromomethane
 Concen: 51.242 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.7	98.5
174	96.5	75.0	112.4





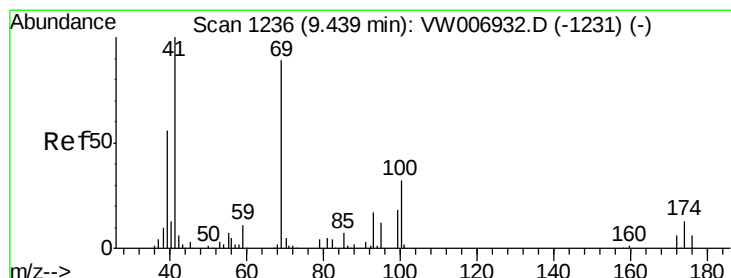
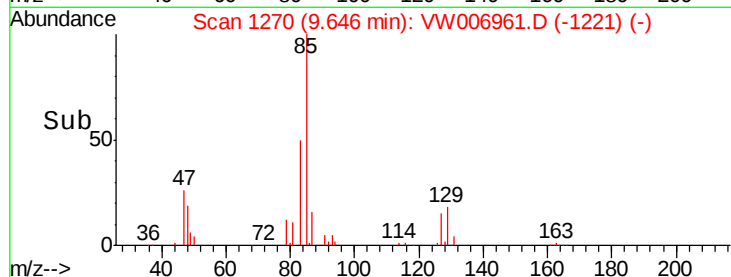
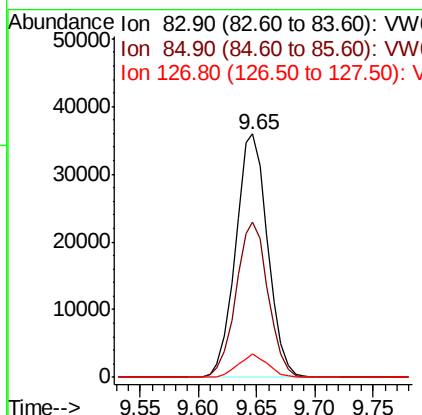
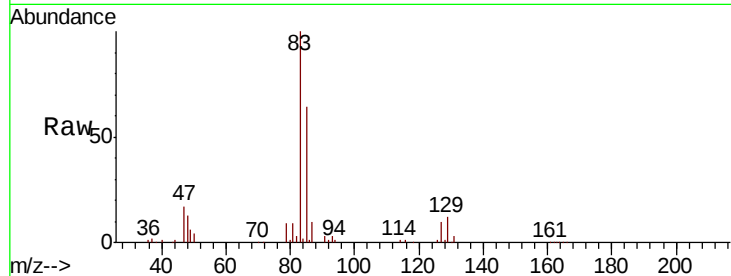
#47
Bromodichloromethane
Concen: 50.392 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	68604		
85	64.0		50.8	76.2
127	9.6		6.6	10.0

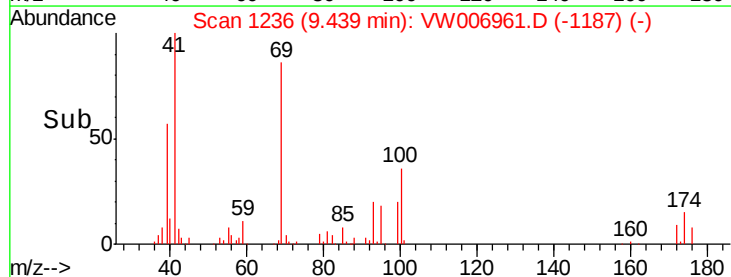
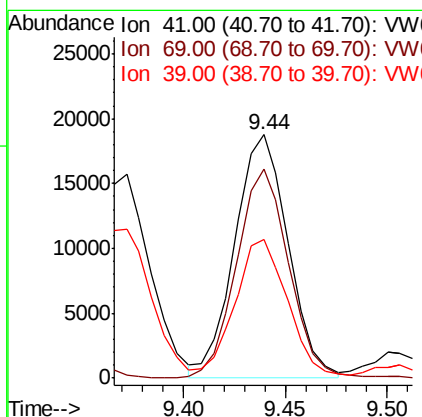
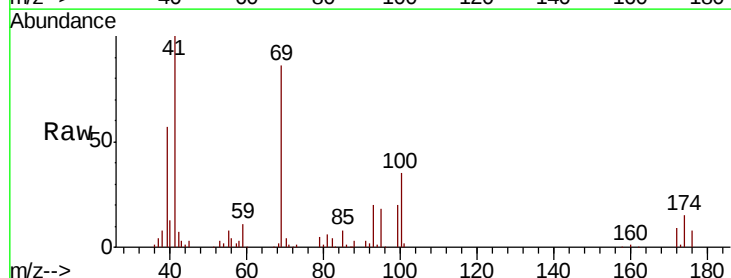
Manual Integrations
APPROVED

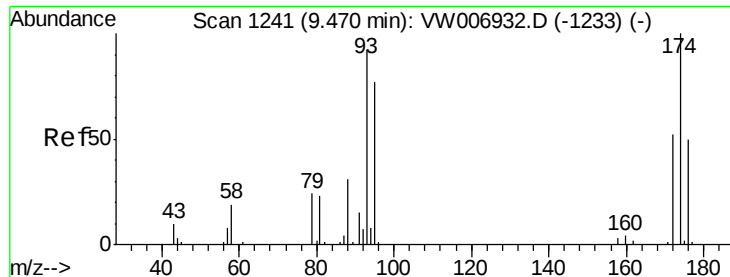
apatel
11/20/2018 4:52:48 PM



#48
Methyl methacrylate
Concen: 60.693 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	34169		
69	84.3		73.4	110.0
39	56.9		46.1	69.1





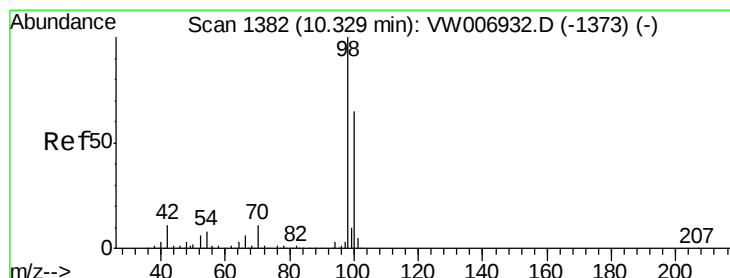
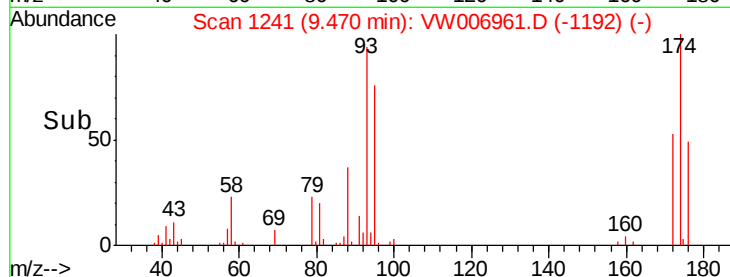
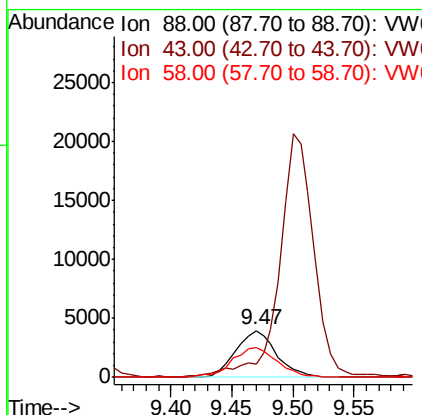
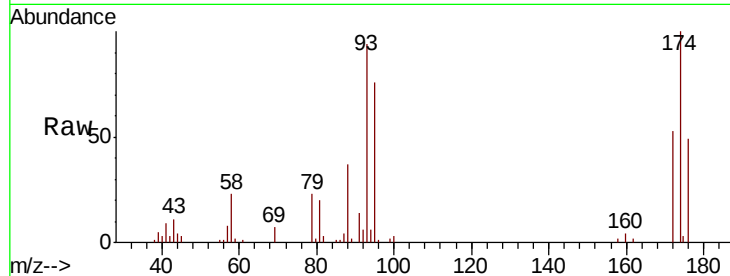
#49
1,4-Dioxane
Concen: 1164.700 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.2	57.4	86.2

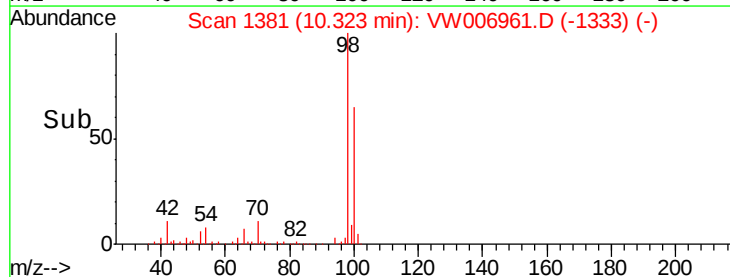
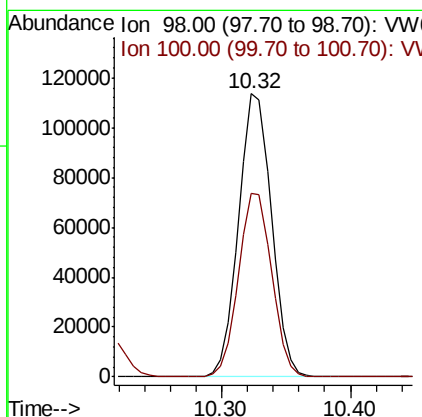
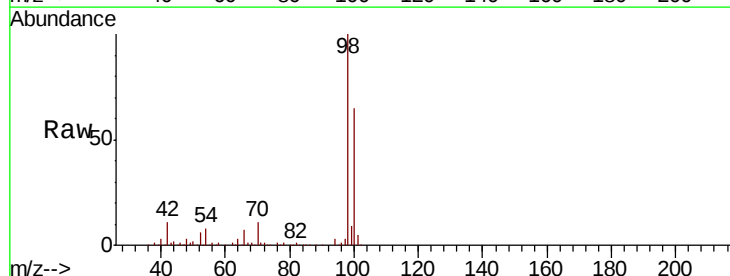
Manual Integrations
APPROVED

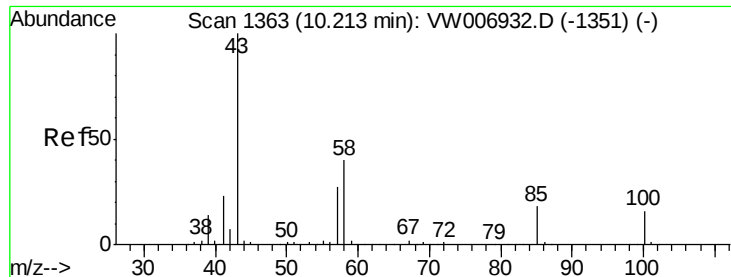
apatel
11/20/2018 4:52:48 PM



#50
Toluene-d8
Concen: 53.354 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 290.381 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 43 Resp: 166971

Ion Ratio Lower Upper

43 100

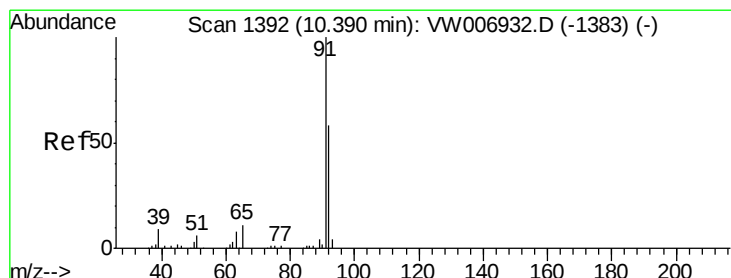
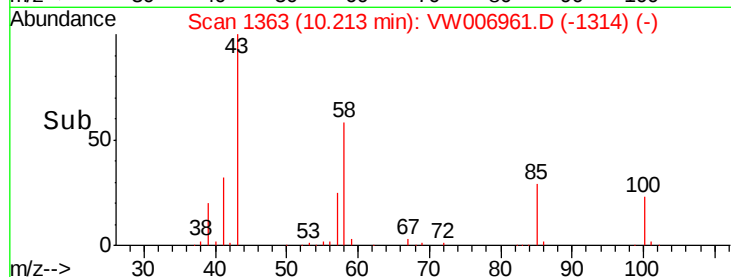
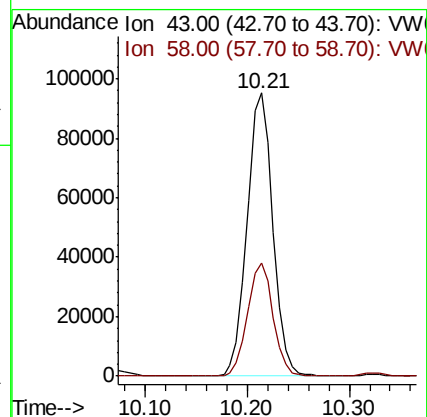
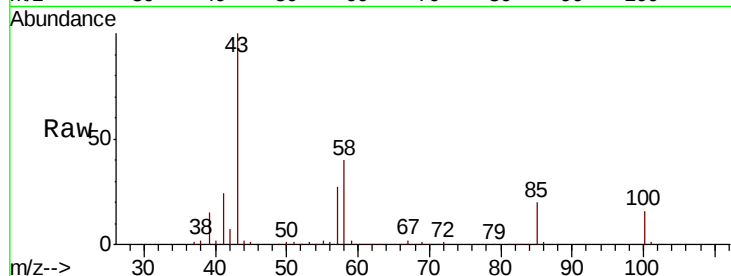
58 39.7 31.0 46.4

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#52

Toluene

Concen: 50.578 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006961.D

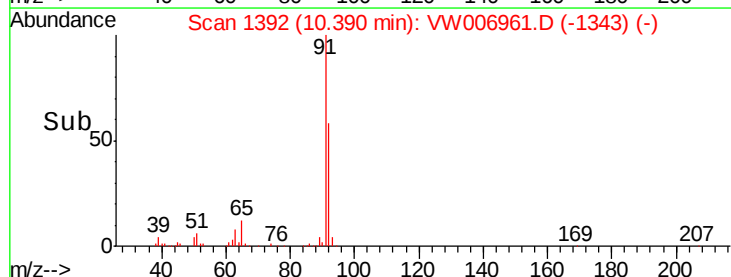
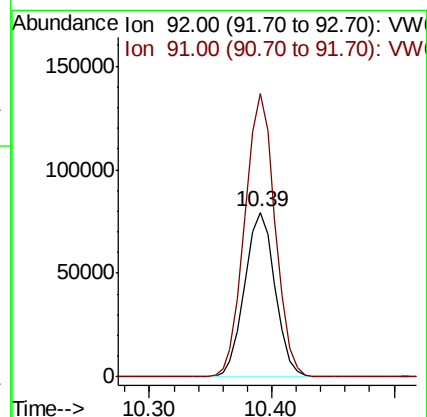
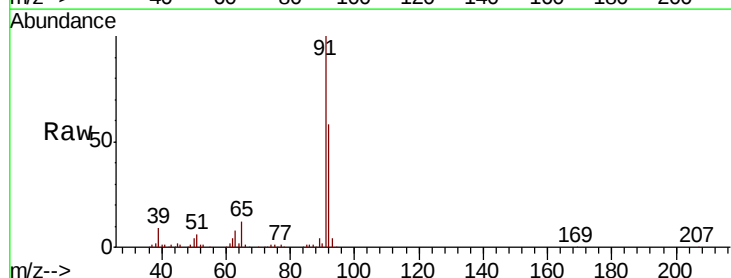
Acq: 19 Nov 2018 23:32

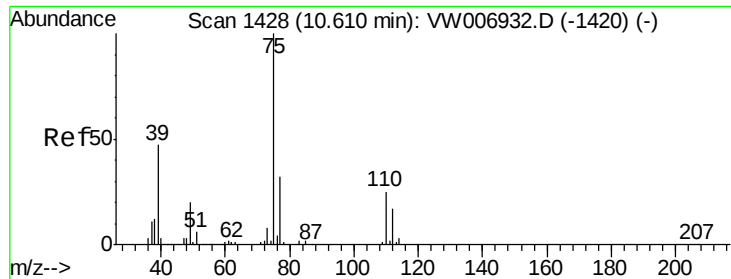
Tgt Ion: 92 Resp: 136758

Ion Ratio Lower Upper

92 100

91 171.8 137.3 205.9





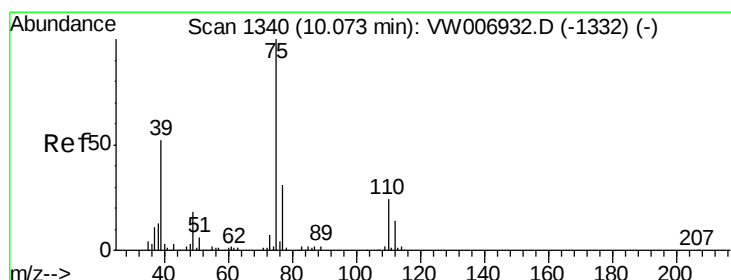
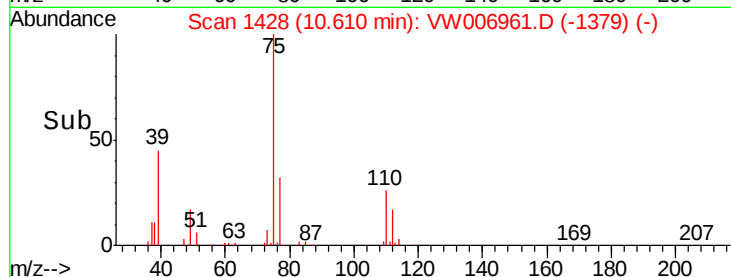
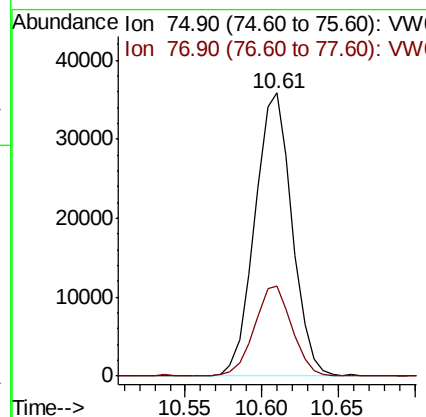
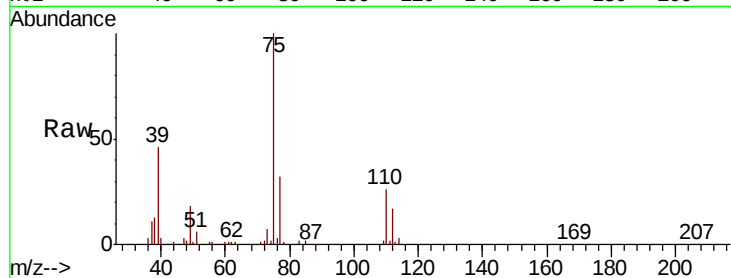
#53
 t-1,3-Dichloropropene
 Concen: 45.548 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Tot Ion: 75 Resp: 60600
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8

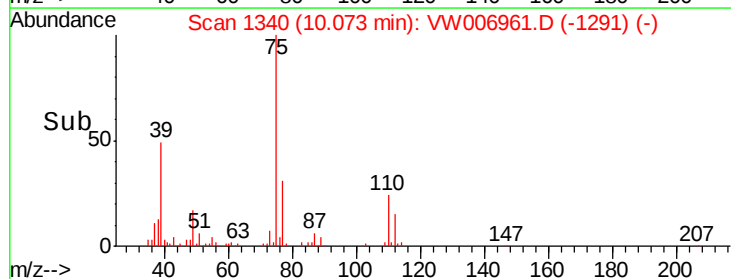
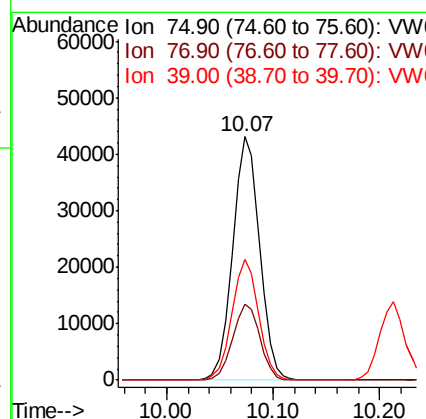
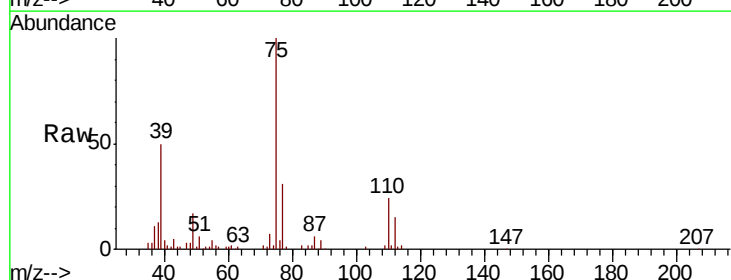
Manual Integrations
 APPROVED

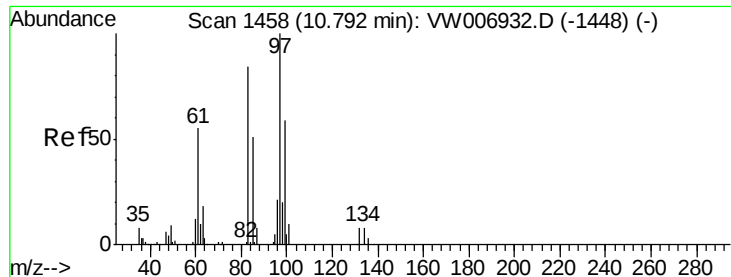
apatel
 11/20/2018 4:52:48 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.980 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion: 75 Resp: 76393
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 37.0
 39 49.5 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 53.966 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

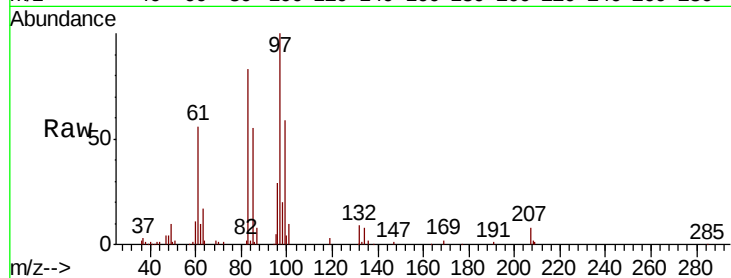
ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:	97	Resp:	41140
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.5	101.3
85	54.9	41.0	61.6
99	58.6	47.4	71.2

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM



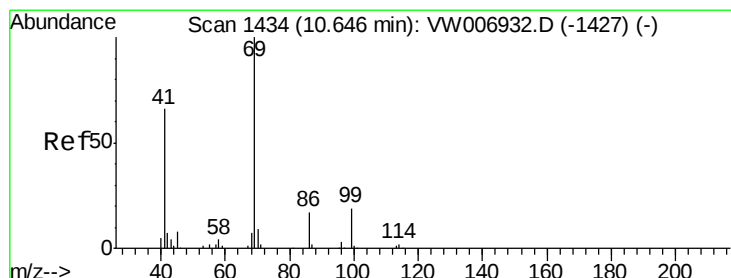
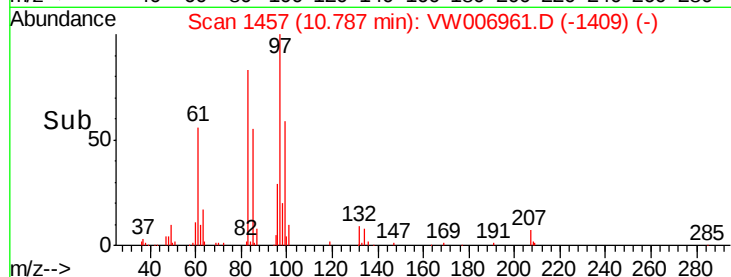
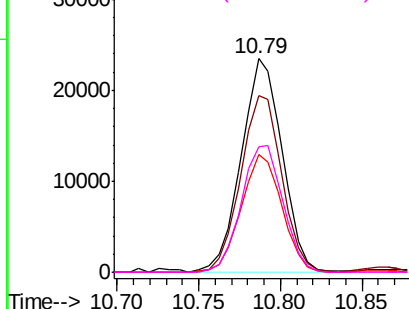
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 46.734 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

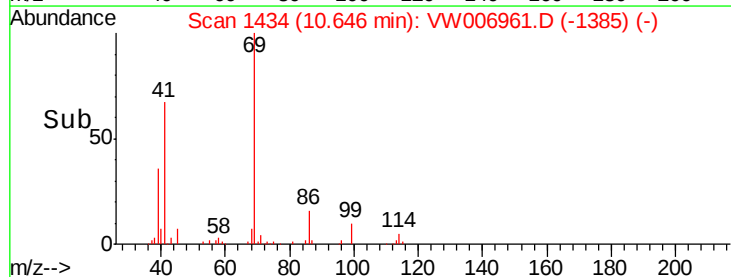
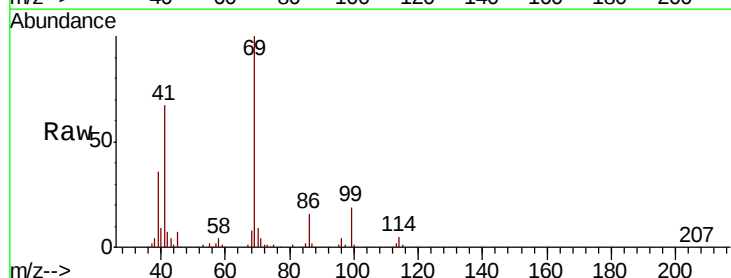
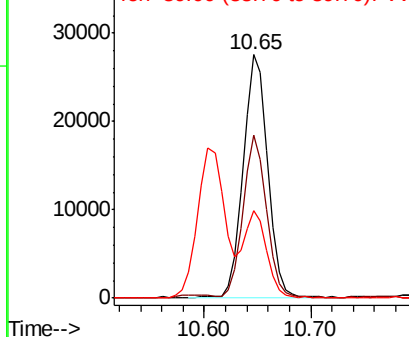
Tgt Ion:	69	Resp:	44294
Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.8	80.6
39	34.3	29.0	43.6

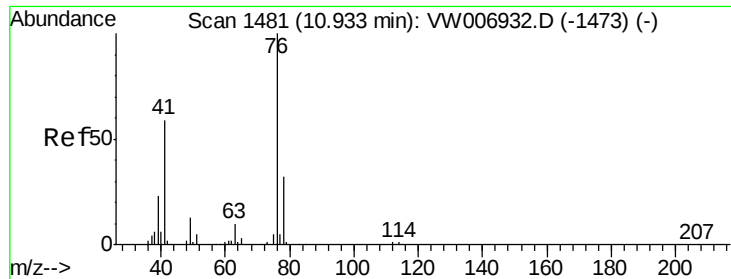
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 51.547 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 76 Resp: 66856

Ion Ratio Lower Upper

76 100

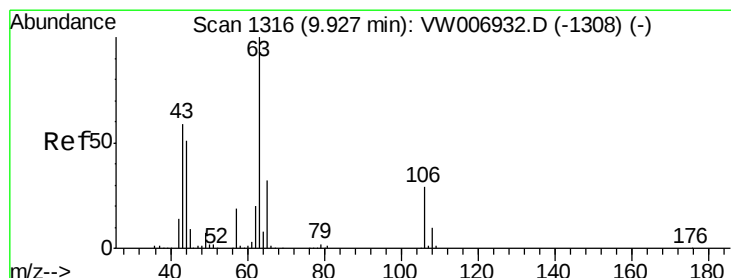
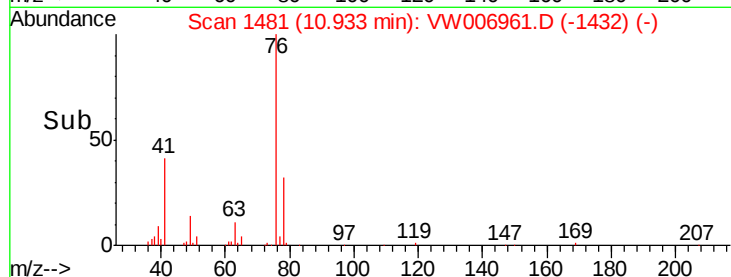
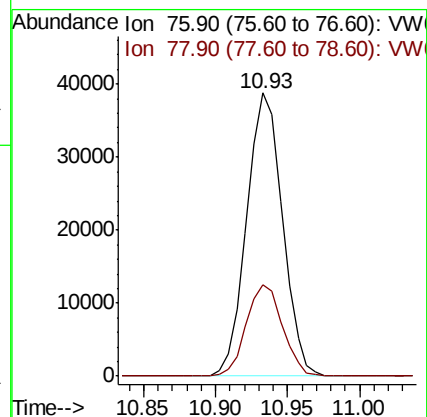
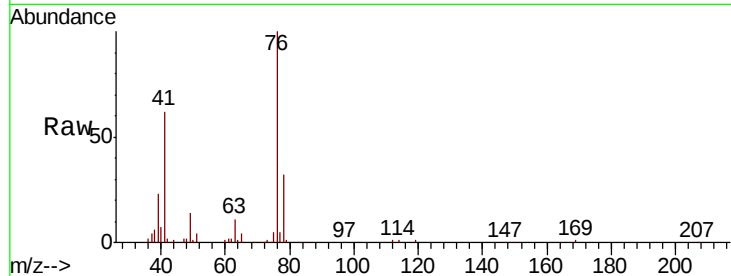
78 32.6 26.0 39.0

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#58

2-Chloroethyl Vinyl ether

Concen: 266.855 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006961.D

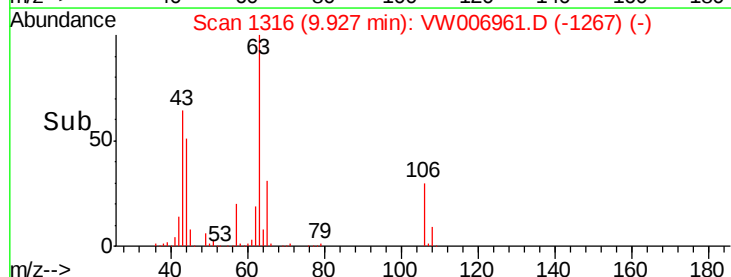
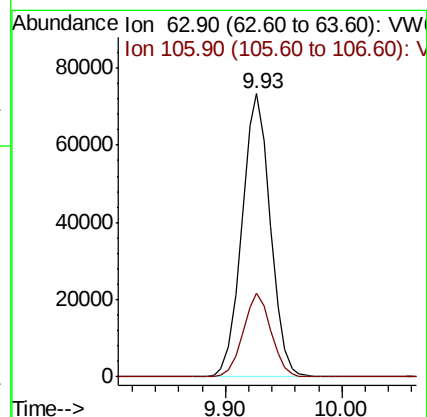
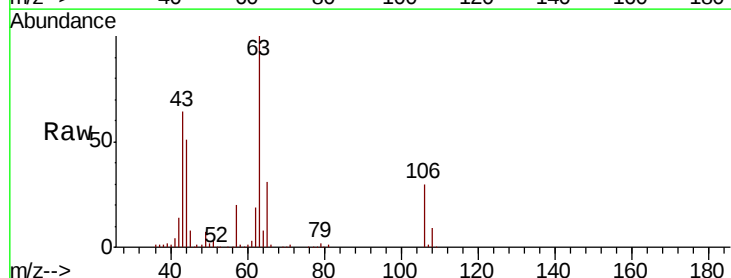
Acq: 19 Nov 2018 23:32

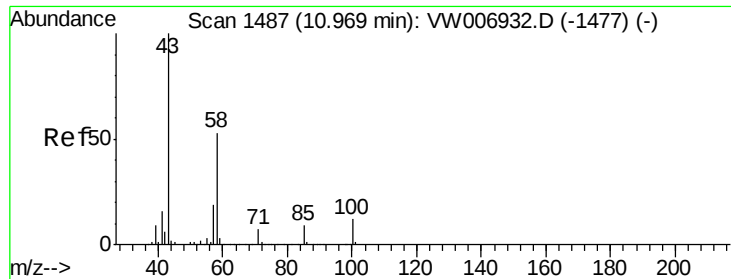
Tgt Ion: 63 Resp: 124342

Ion Ratio Lower Upper

63 100

106 29.0 22.6 33.8





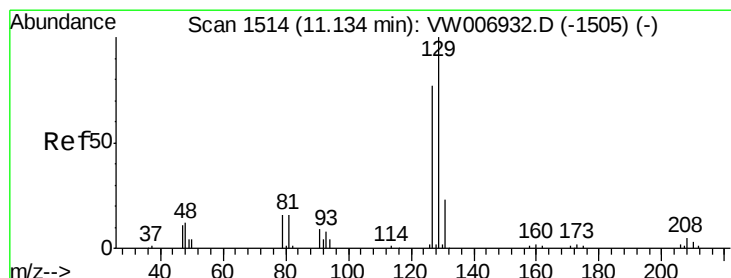
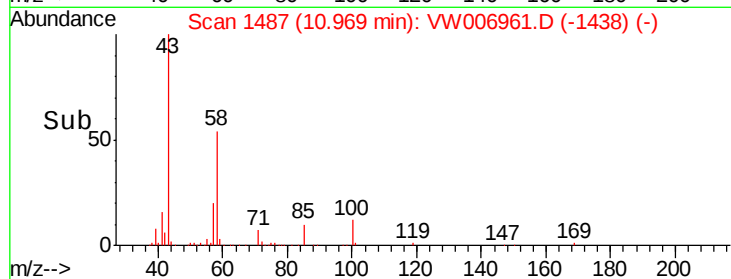
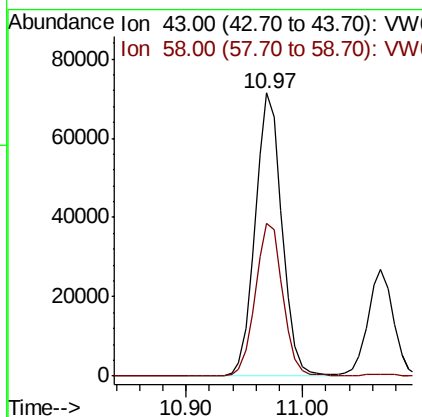
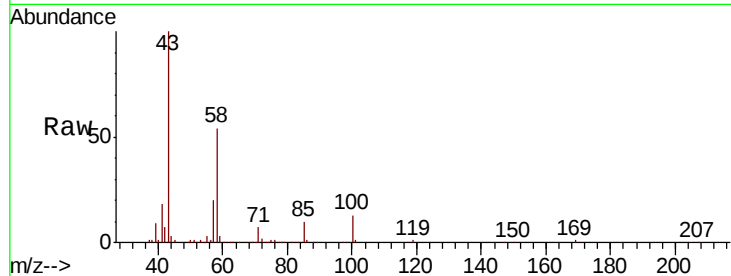
#59
2-Hexanone
Concen: 298.464 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion: 43 Resp: 114859
Ion Ratio Lower Upper
43 100
58 55.1 26.8 80.4

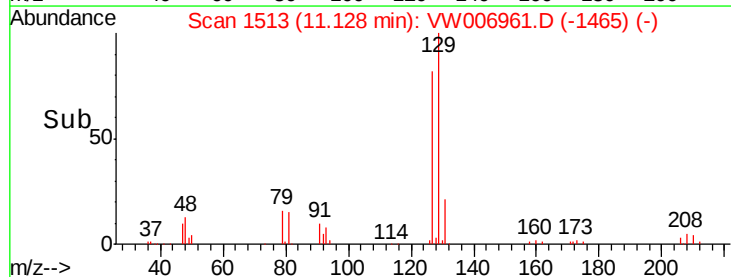
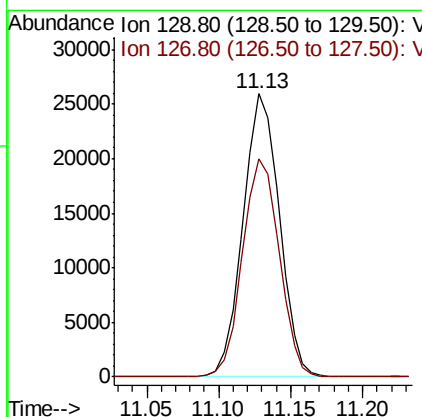
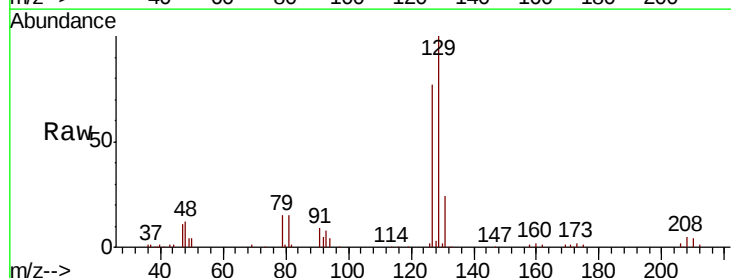
Manual Integrations
APPROVED

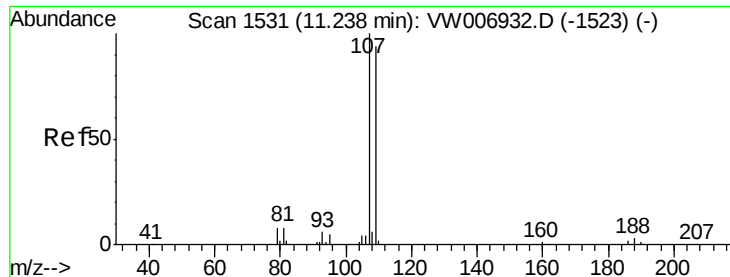
apatel
11/20/2018 4:52:48 PM



#60
Dibromochloromethane
Concen: 52.174 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion: 129 Resp: 45356
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 50.674 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 107 Resp: 35903

Ion Ratio Lower Upper

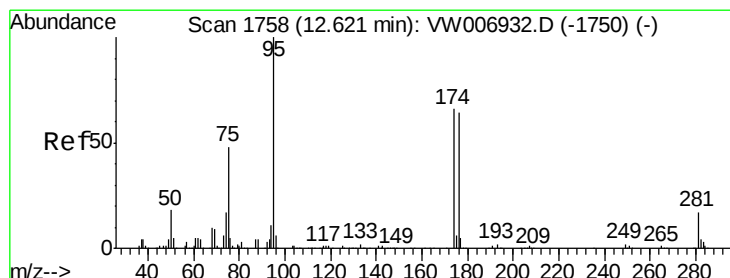
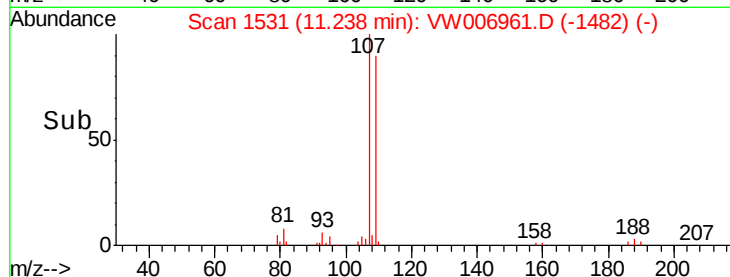
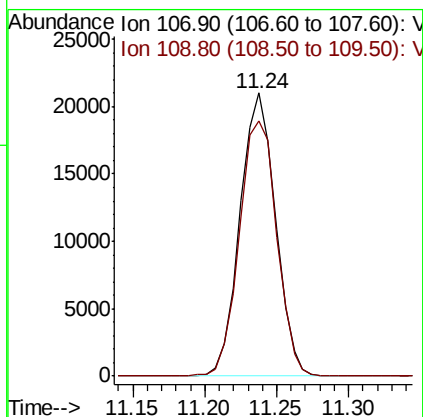
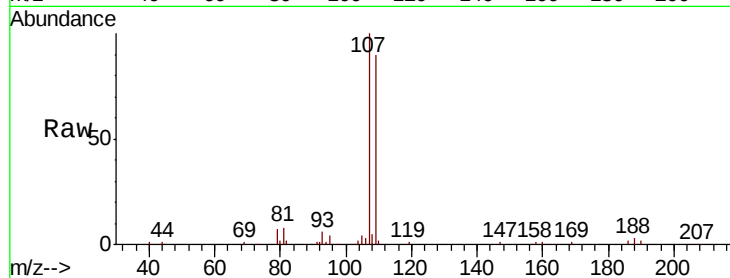
107 100

109 95.1 75.5 113.3

Manual Integrations
APPROVED

apatel

11/20/2018 4:52:48 PM



#62

4-Bromofluorobenzene

Concen: 45.653 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

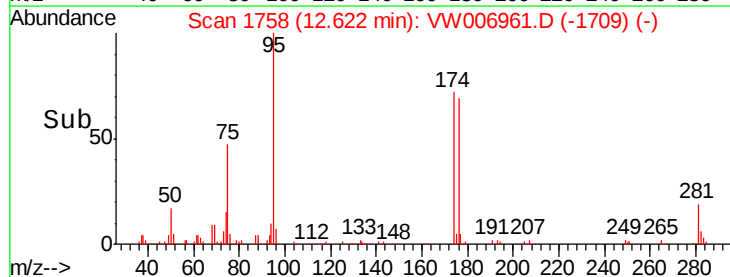
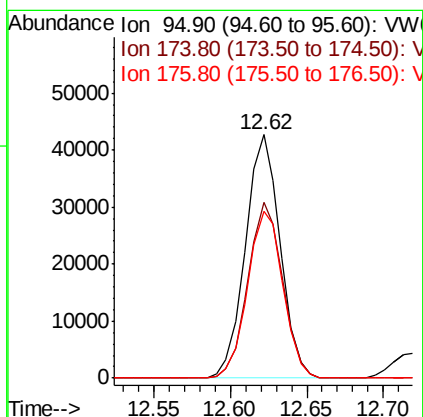
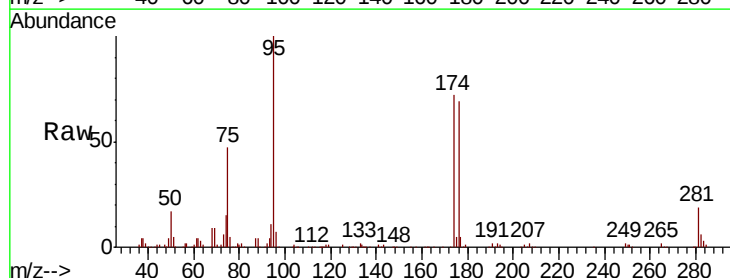
Tgt Ion: 95 Resp: 67239

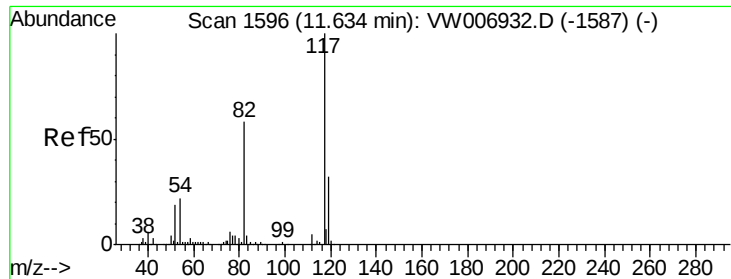
Ion Ratio Lower Upper

95 100

174 72.7 0.0 138.4

176 70.1 0.0 133.4





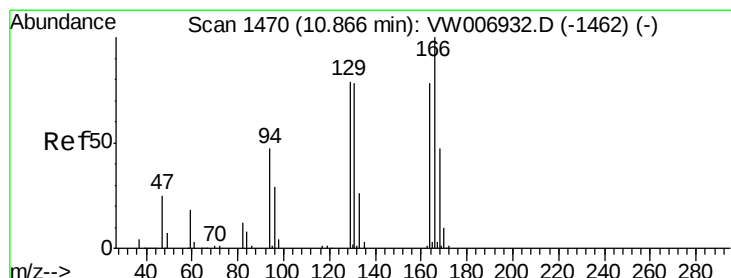
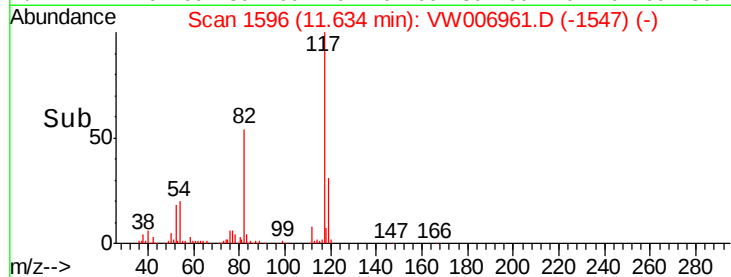
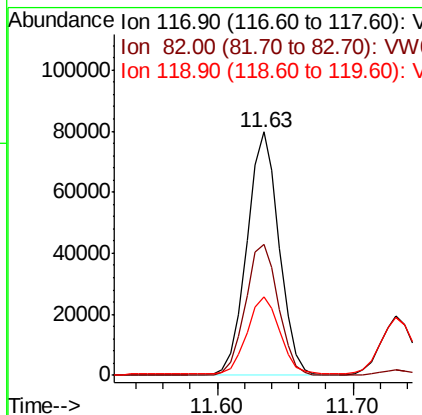
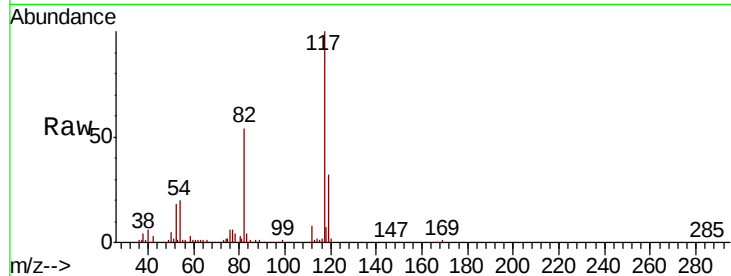
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	46.2	69.2
119	31.2	25.5	38.3

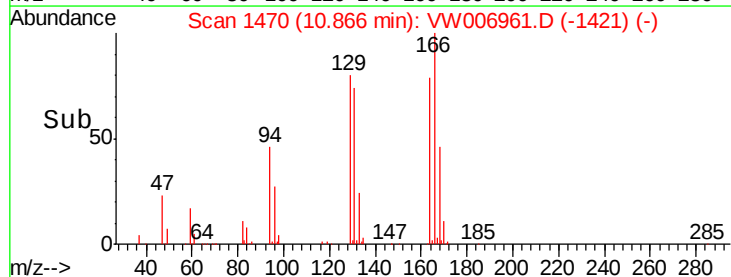
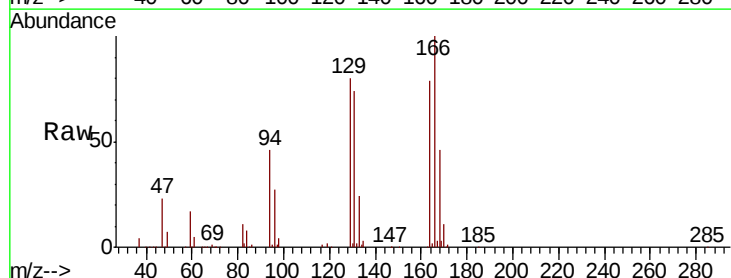
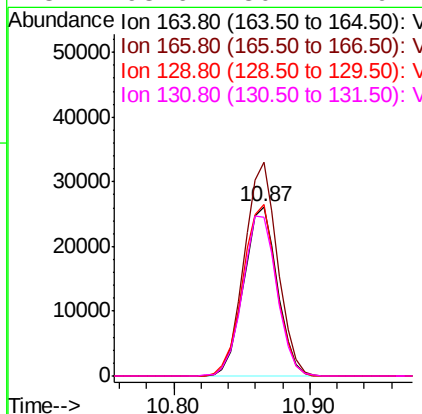
Manual Integrations
APPROVED

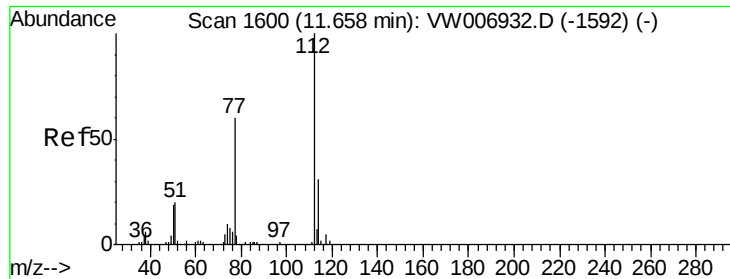
apatel
11/20/2018 4:52:48 PM



#64
Tetrachloroethene
Concen: 53.292 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.6	154.0
129	101.6	81.0	121.4
131	93.6	80.2	120.2





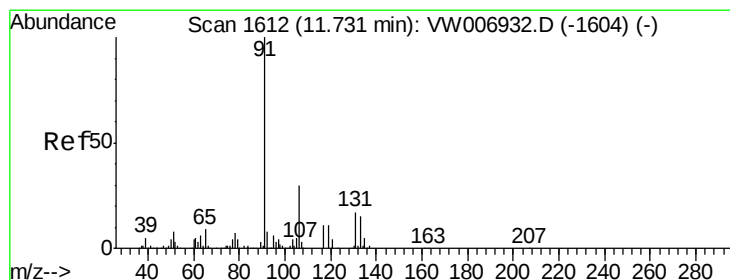
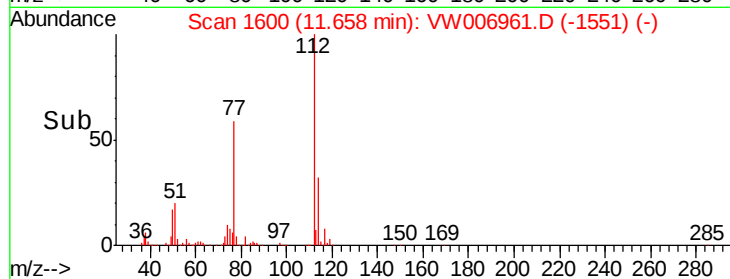
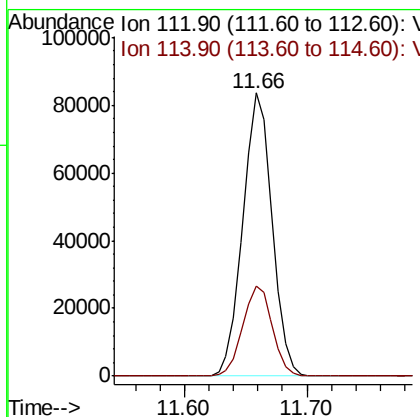
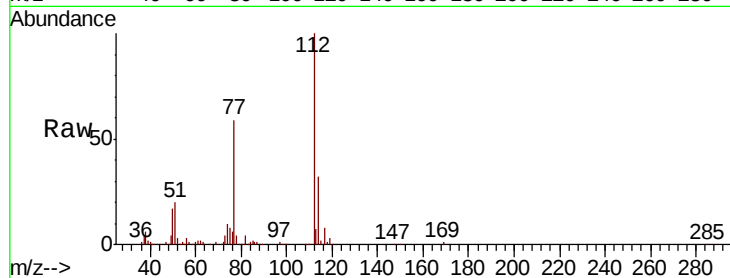
#65
Chlorobenzene
Concen: 50.097 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.6	37.0

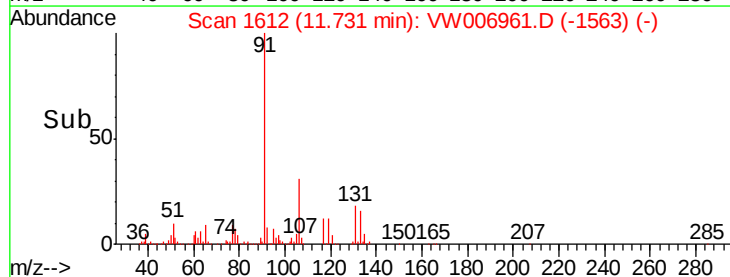
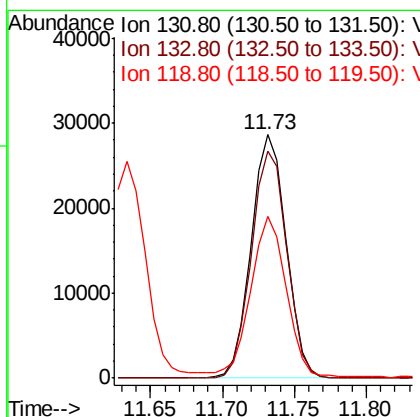
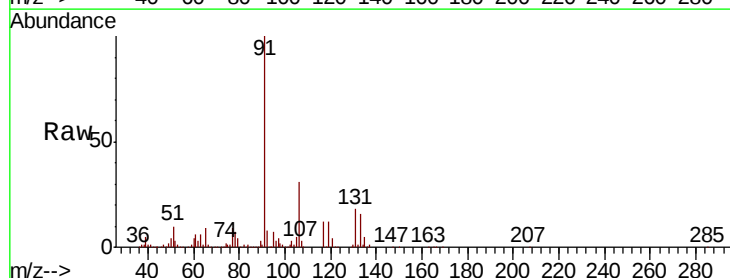
Manual Integrations
APPROVED

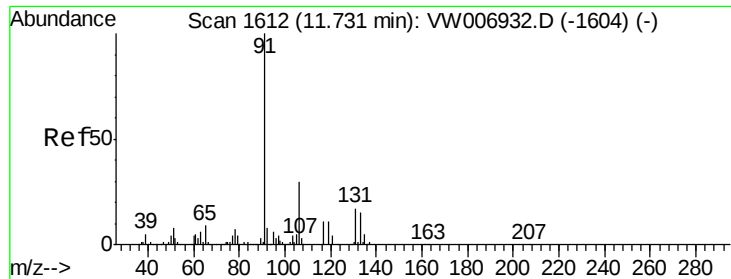
apatel
11/20/2018 4:52:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.064 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.2	141.6
119	66.4	32.5	97.4





#67

Ethyl Benzene

Concen: 52.119 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 91 Resp: 261091

Ion Ratio Lower Upper

91 100

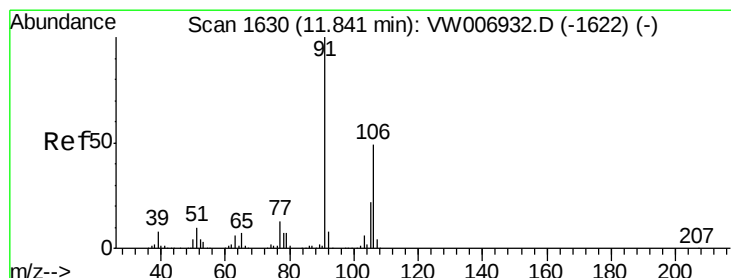
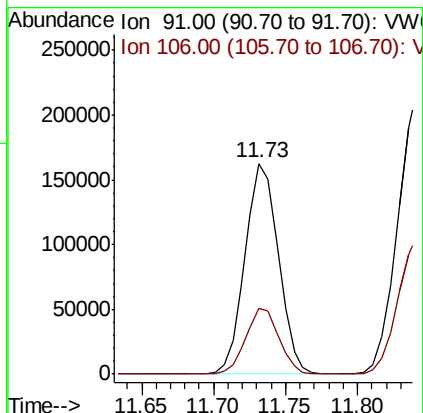
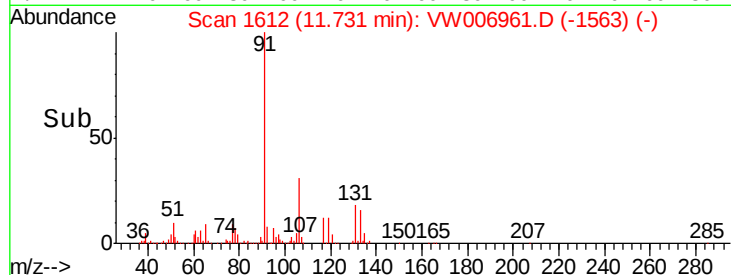
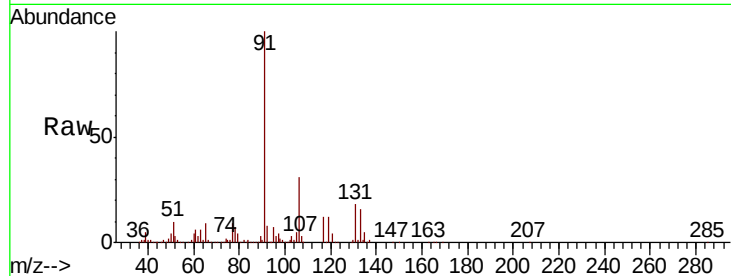
106 31.1 24.0 36.0

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#68

m/p-Xylenes

Concen: 104.300 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW006961.D

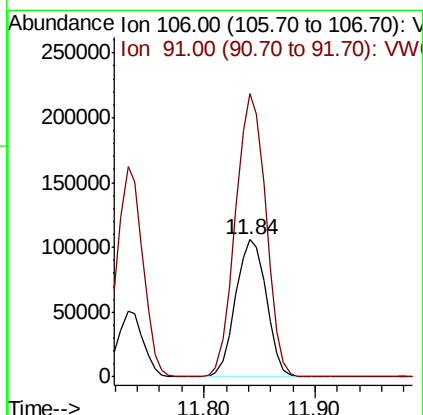
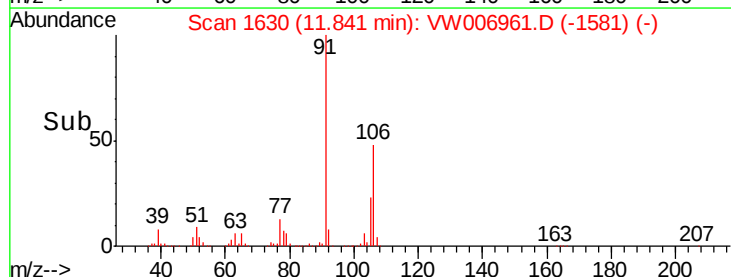
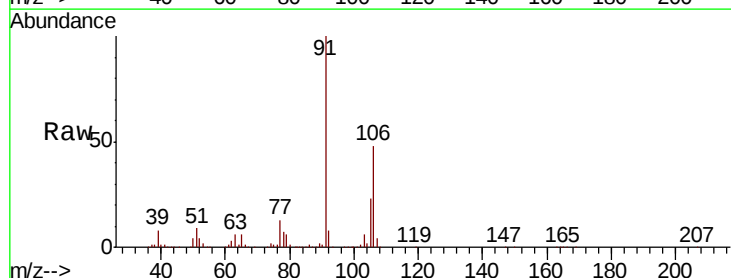
Acq: 19 Nov 2018 23:32

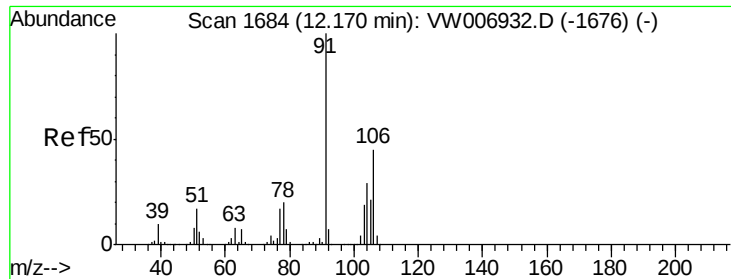
Tgt Ion: 106 Resp: 203463

Ion Ratio Lower Upper

106 100

91 203.7 165.0 247.4





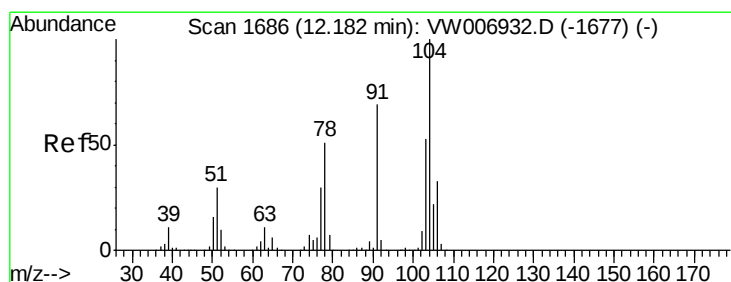
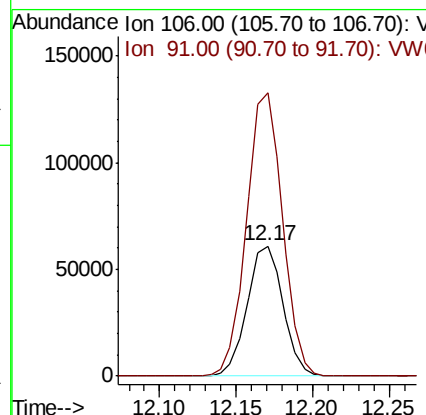
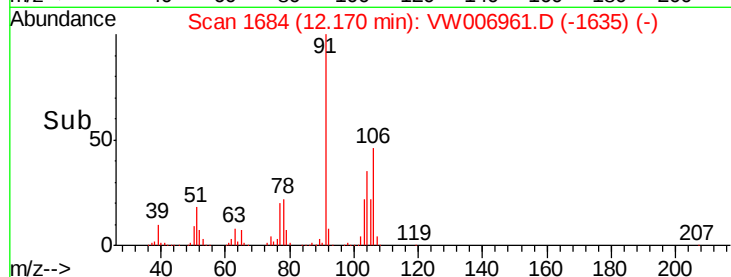
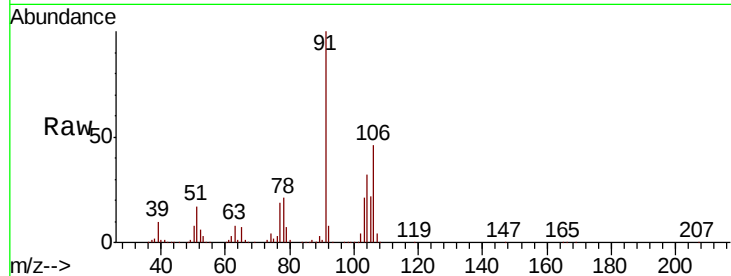
#69
o-Xylene
Concen: 53.409 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion:106 Resp: 98886
Ion Ratio Lower Upper
106 100
91 219.6 109.2 327.6

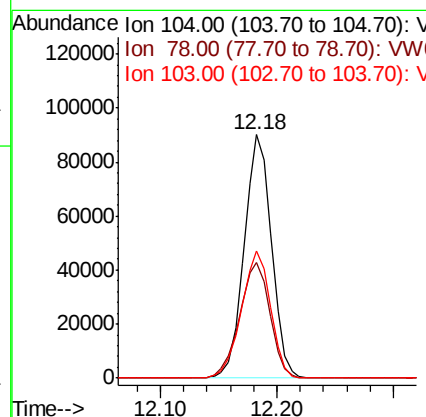
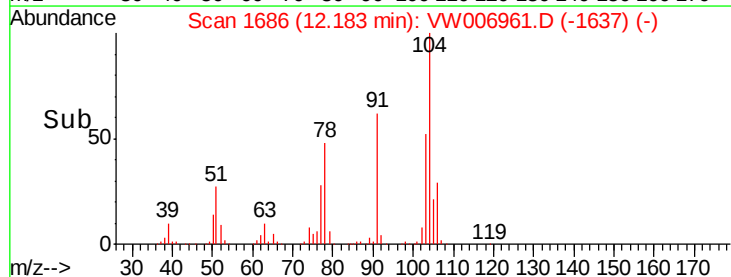
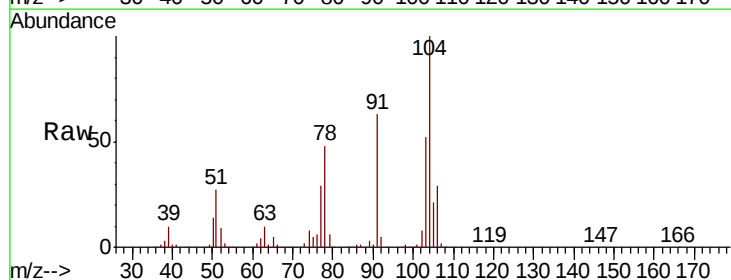
Manual Integrations
APPROVED

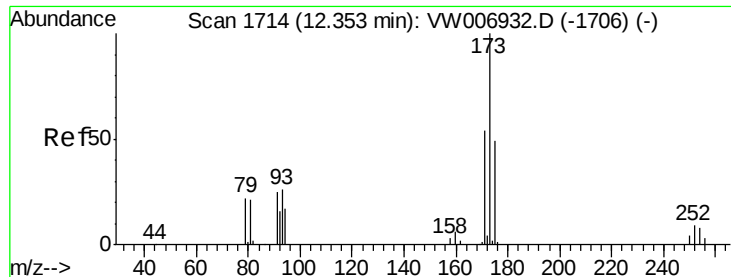
apatel
11/20/2018 4:52:48 PM



#70
Styrene
Concen: 49.426 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion:104 Resp: 147162
Ion Ratio Lower Upper
104 100
78 52.8 42.5 63.7
103 55.9 44.3 66.5





#71

Bromoform

Concen: 57.941 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:173 Resp: 23918

Ion Ratio Lower Upper

173 100

175 48.7 24.0 72.0

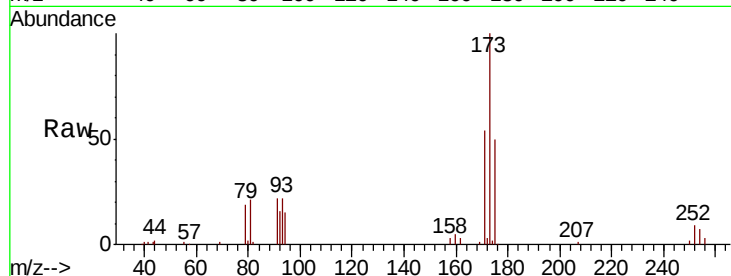
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

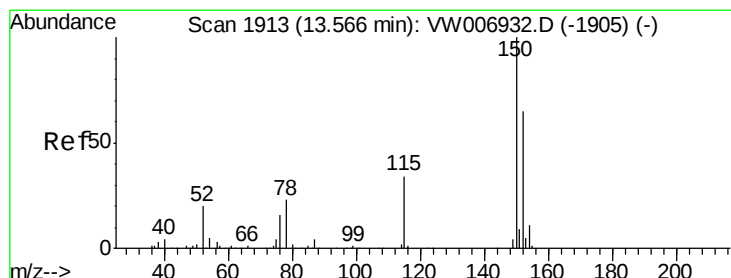
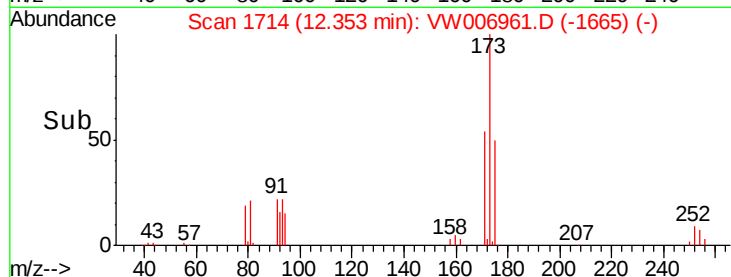
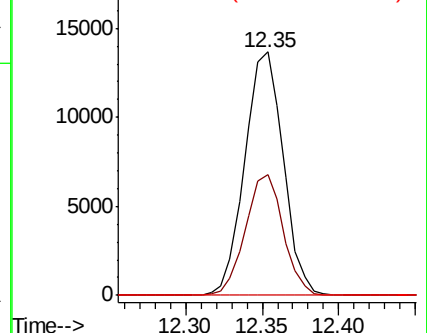
11/20/2018 4:52:48 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

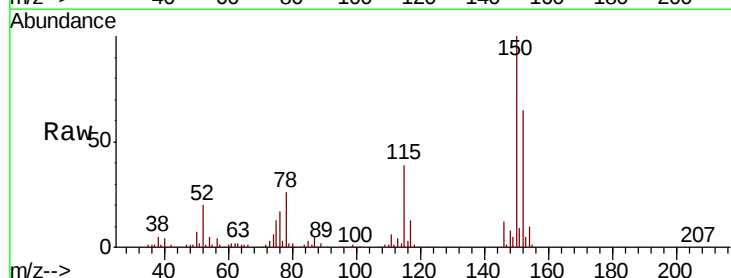
Tgt Ion:152 Resp: 54328

Ion Ratio Lower Upper

152 100

115 60.8 31.6 94.7

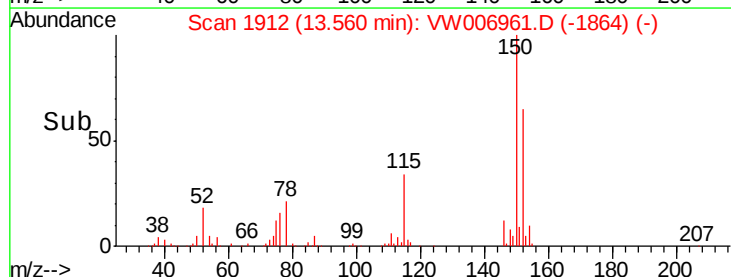
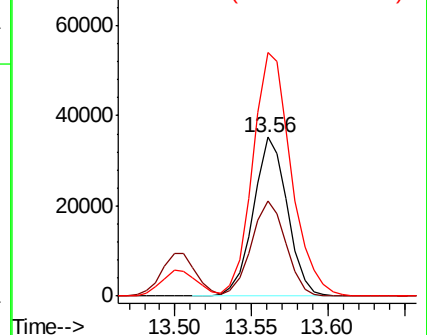
150 173.6 0.0 350.0

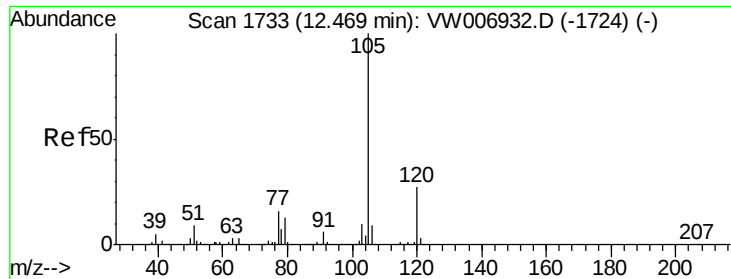


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 59.401 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion: 105 Resp: 255571

Ion Ratio Lower Upper

105 100

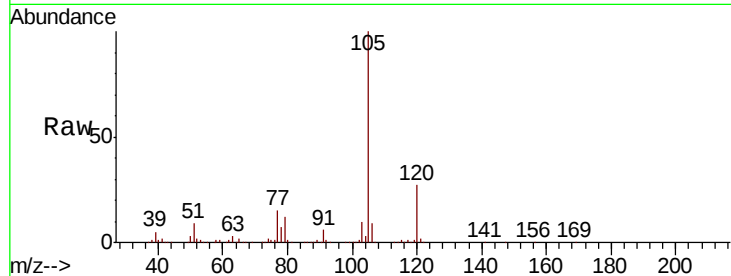
120 26.6 13.2 39.6

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

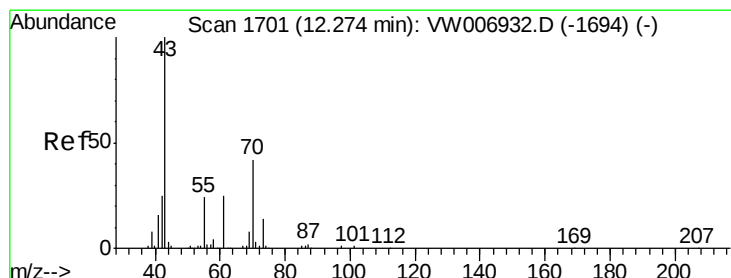
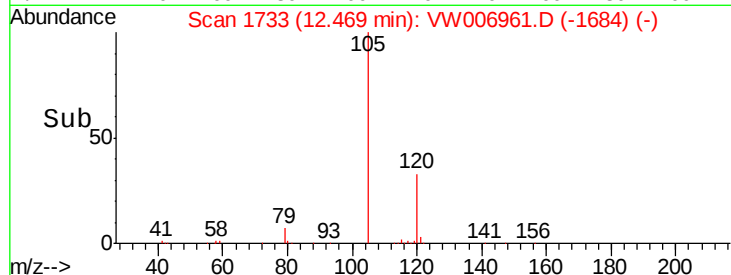
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 49.392 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion: 43 Resp: 42531

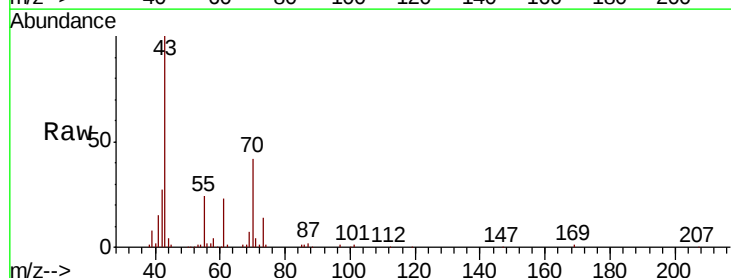
Ion Ratio Lower Upper

43 100

70 42.3 34.2 51.4

55 24.1 19.5 29.3

61 24.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

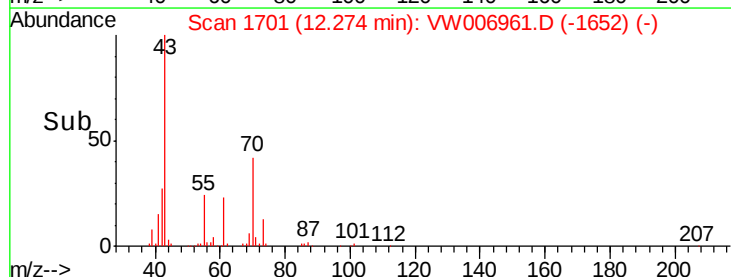
30000

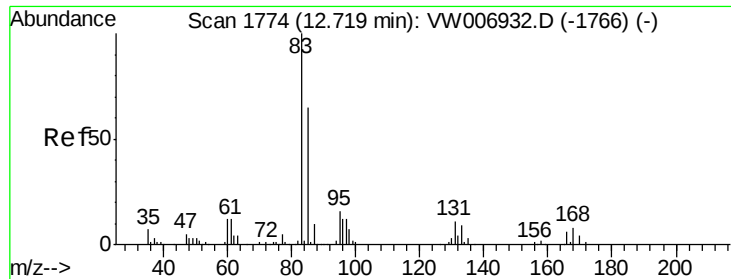
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 68.485 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

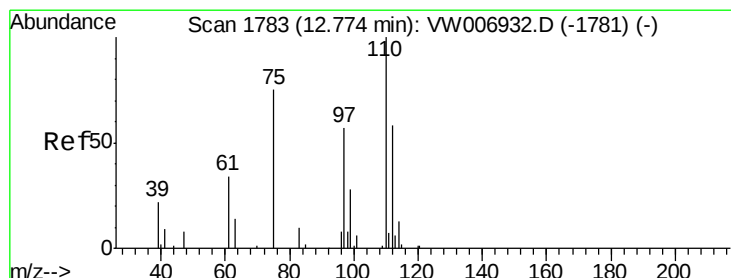
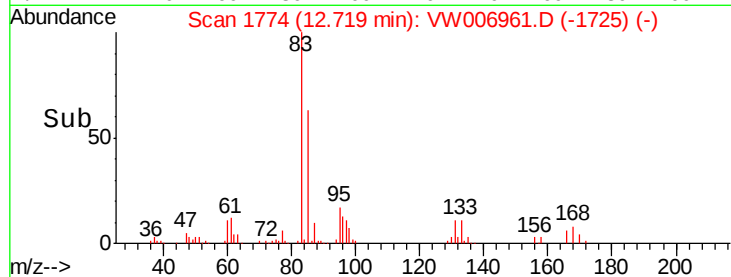
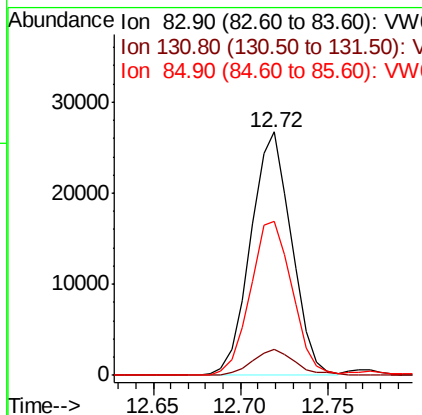
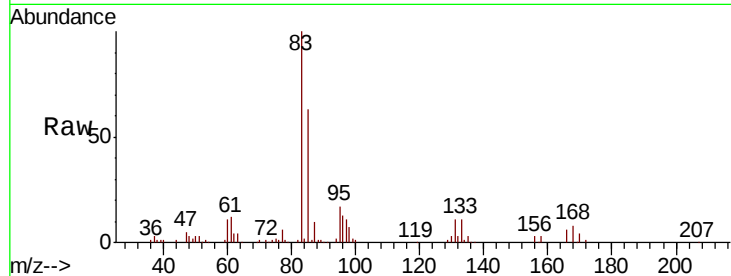
ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:	83	Resp:	43343
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.6	16.8
85	64.8	32.5	97.5

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM



#76

1,2,3-Trichloropropane

Concen: 77.047 ug/l m

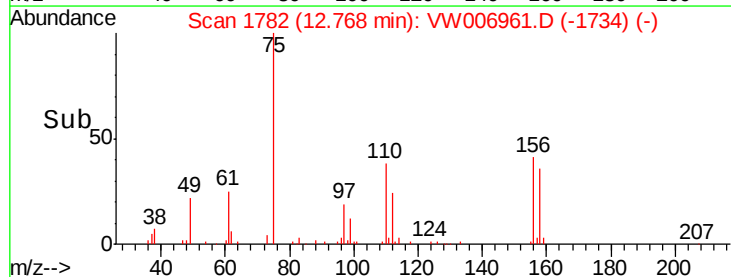
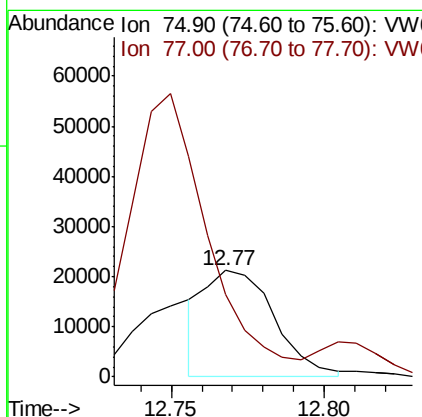
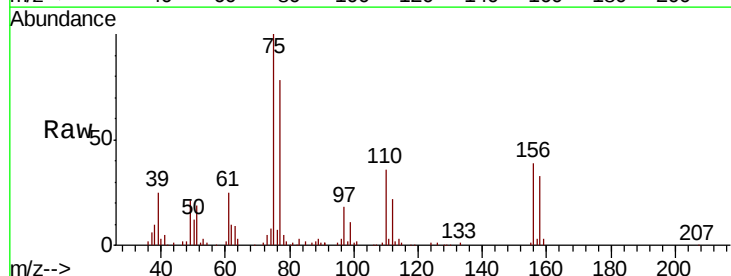
RT: 12.77 min Scan# 1782

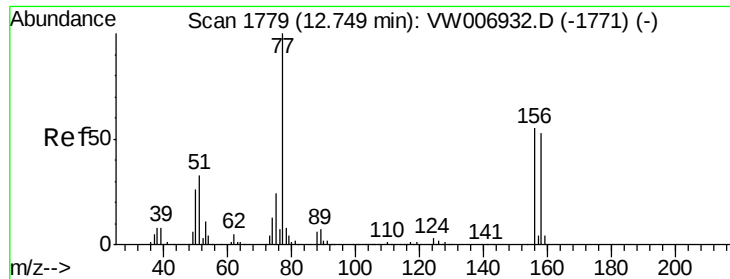
Delta R.T. -0.01 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion:	75	Resp:	33638
Ion	Ratio	Lower	Upper
75	100		
77	305.1	0.0	0.0#





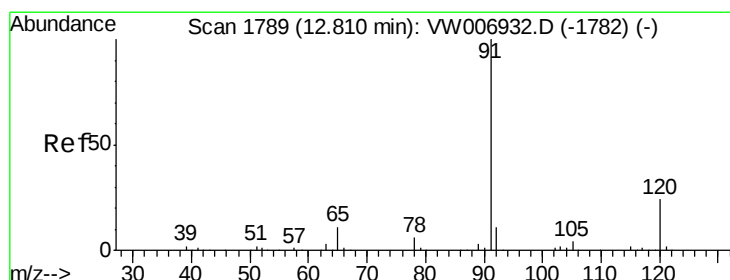
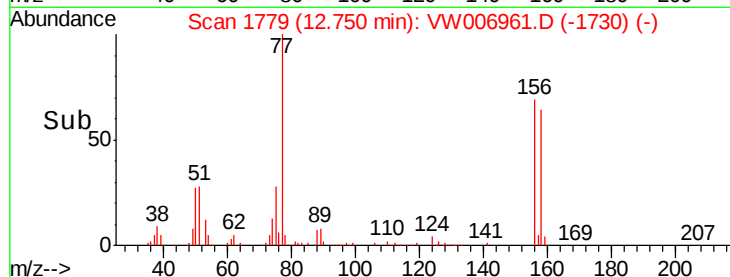
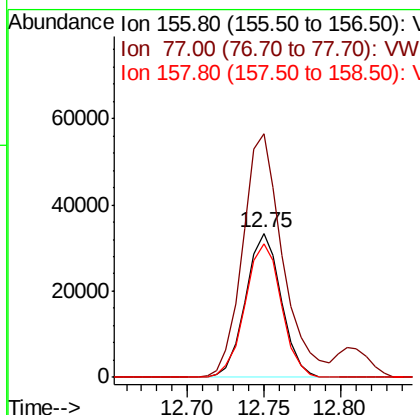
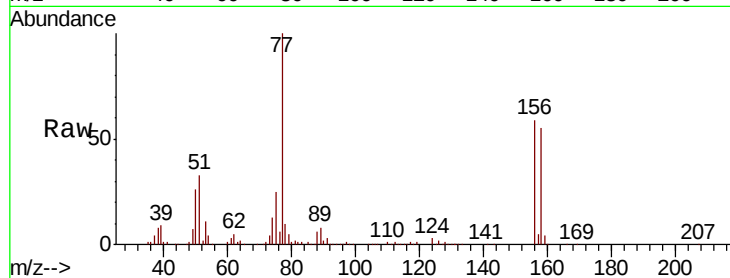
#77
Bromobenzene
Concen: 59.276 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.8	97.8	293.3
158	94.7	47.9	143.7

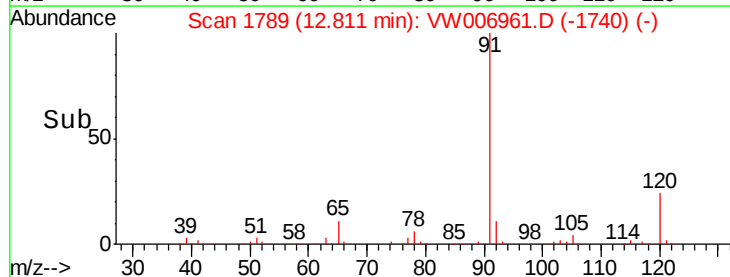
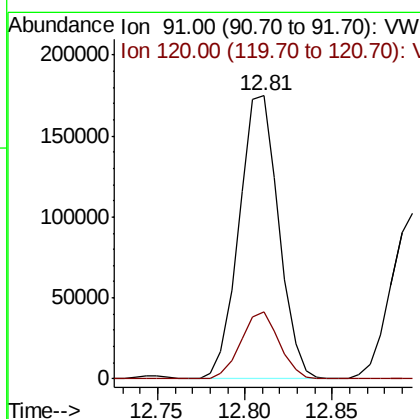
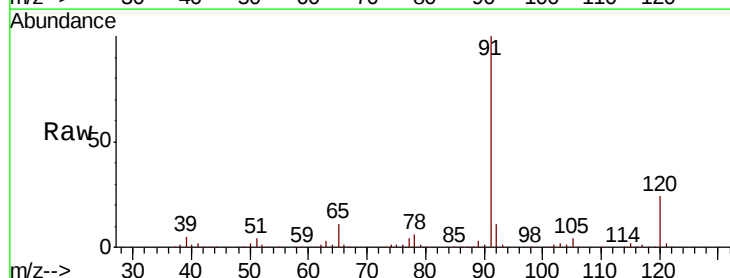
Manual Integrations
APPROVED

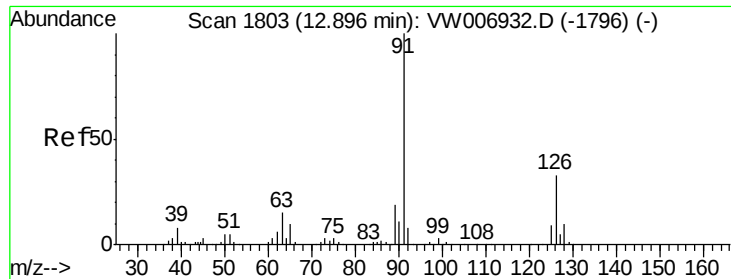
apatel
11/20/2018 4:52:48 PM



#78
n-propylbenzene
Concen: 53.183 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5





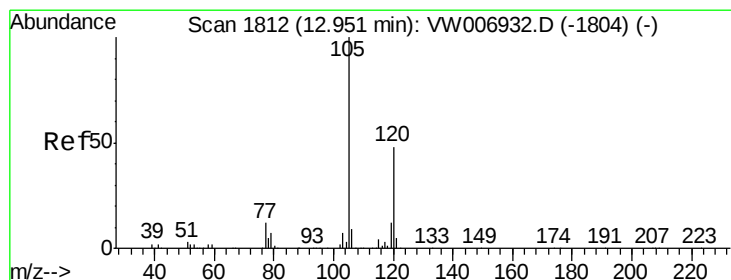
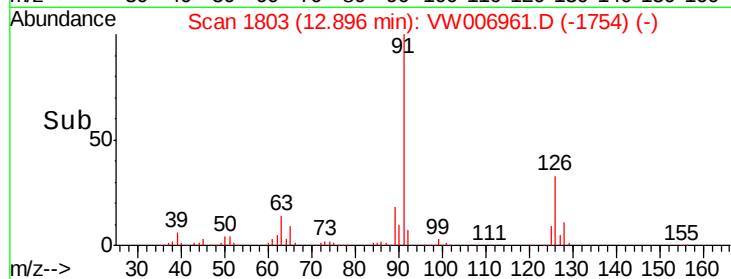
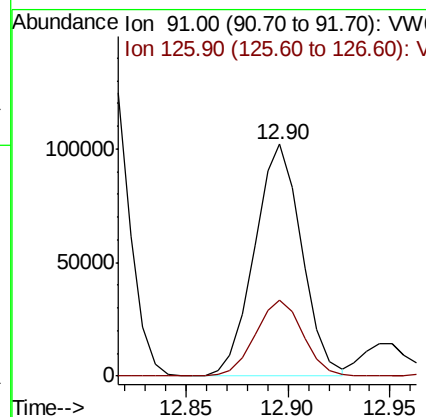
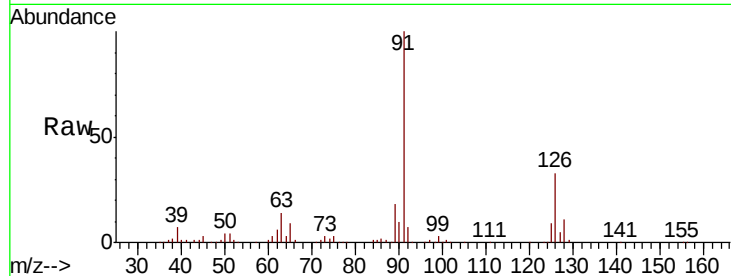
#79
 2-Chlorotoluene
 Concen: 54.290 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Tot Ion: 91 Resp: 164490
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.6 49.7

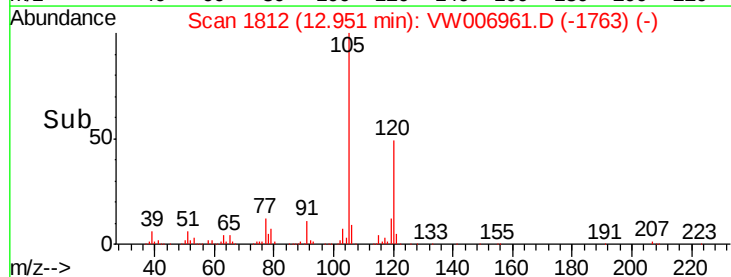
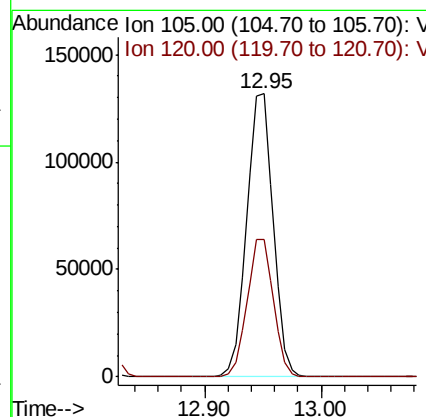
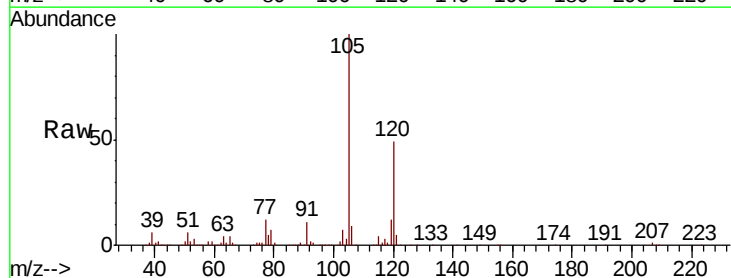
Manual Integrations
 APPROVED

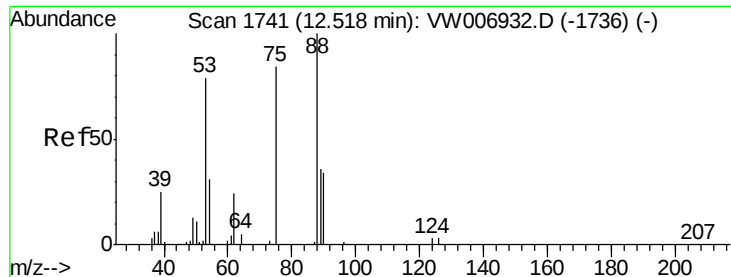
apatel
 11/20/2018 4:52:48 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 56.538 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion:105 Resp: 209461
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.5 70.5





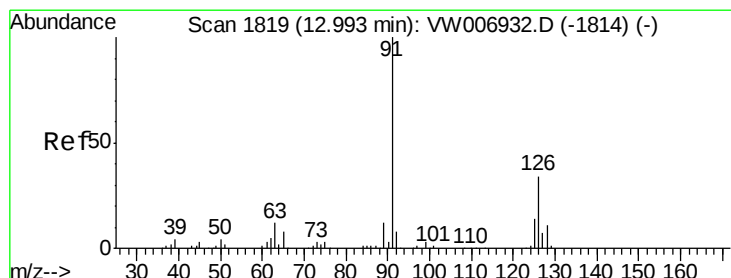
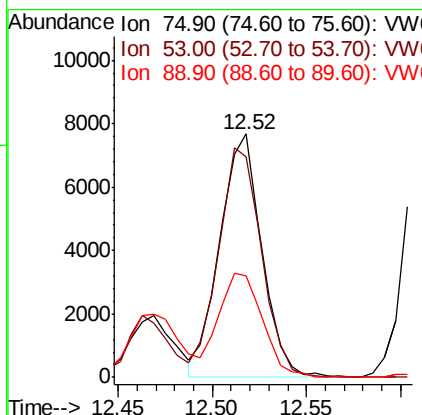
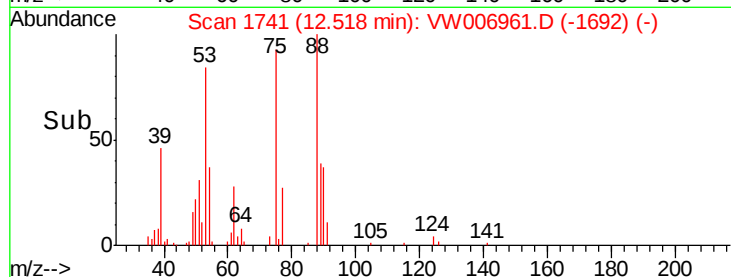
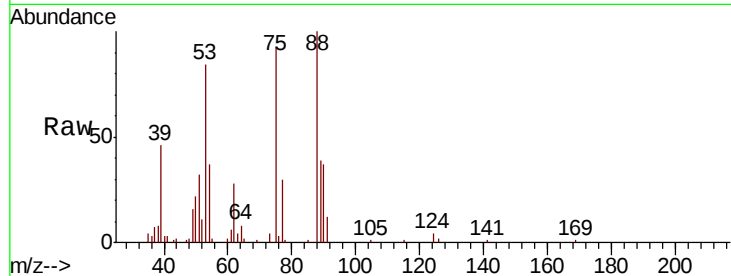
#81
trans-1,4-Dichloro-2-butene
Concen: 61.910 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	79.3	118.9
89	44.0	39.5	59.3

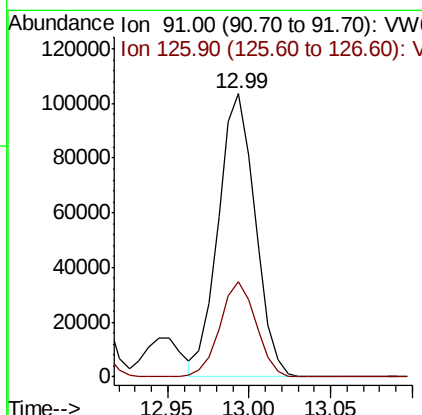
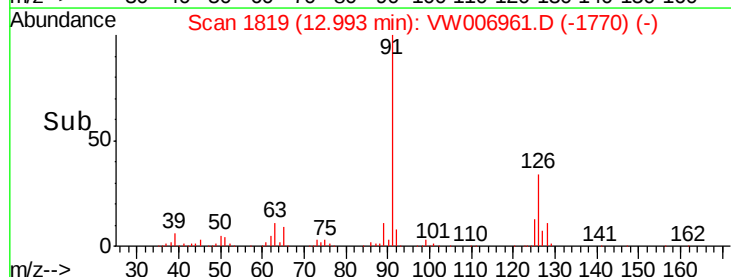
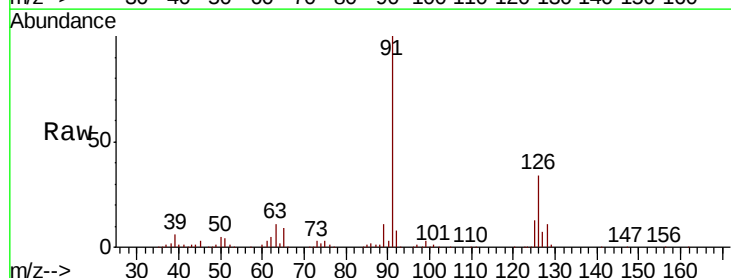
Manual Integrations
APPROVED

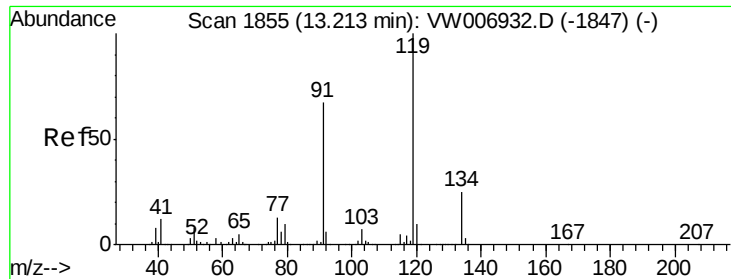
apatel
11/20/2018 4:52:48 PM



#82
4-Chlorotoluene
Concen: 51.077 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6





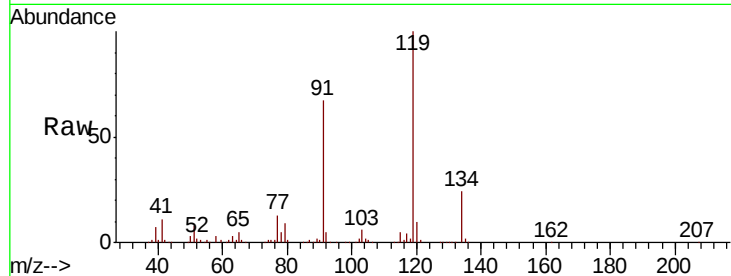
#83
tert-Butylbenzene
Concen: 57.448 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	33.8	101.4
134	25.6	12.6	37.8

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM

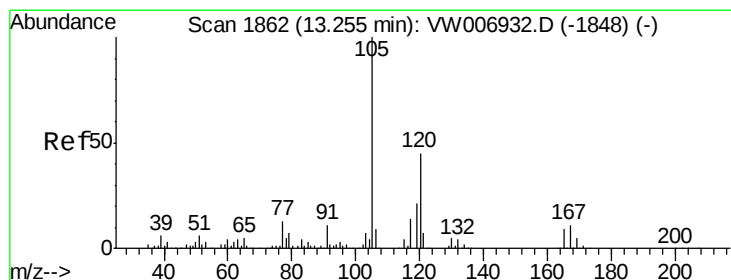
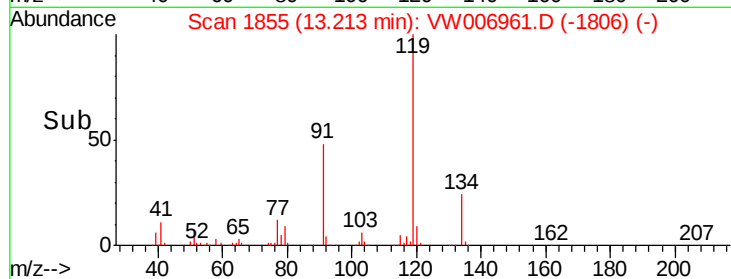
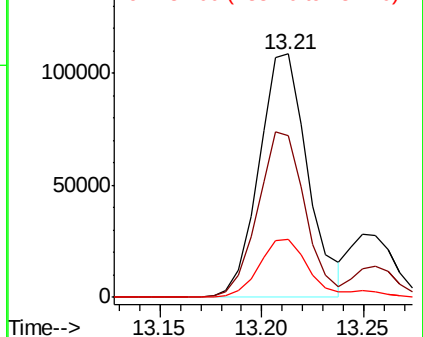


Abundance

Ion 119.00 (118.70 to 119.70): V

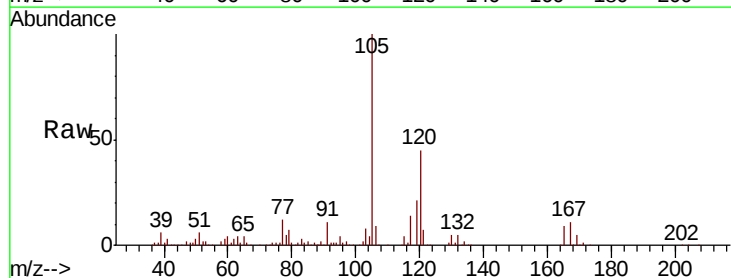
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 55.293 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

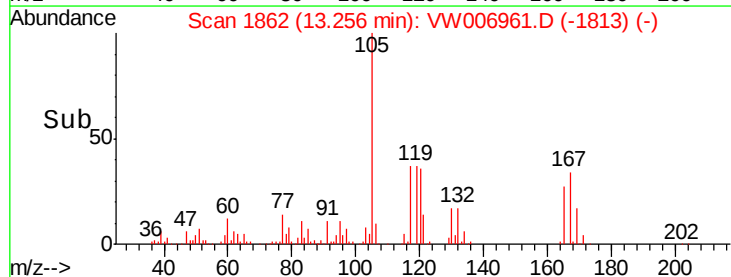
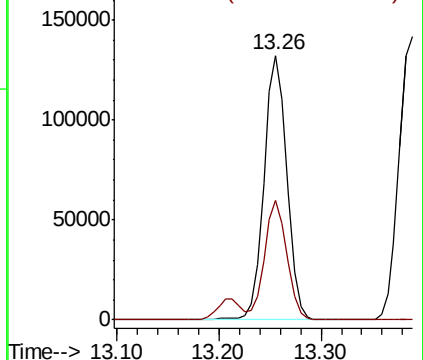
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.9	65.8

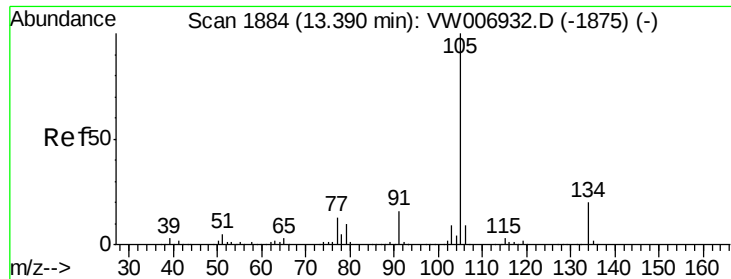


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.399 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:105 Resp: 221757

Ion Ratio Lower Upper

105 100

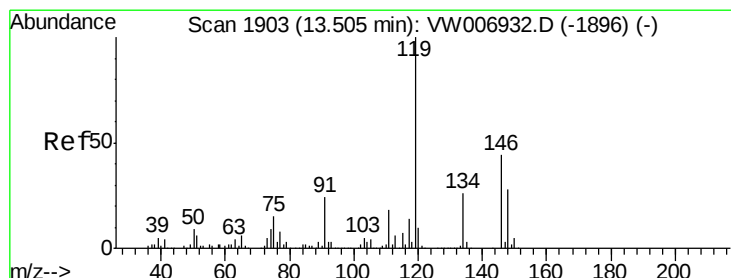
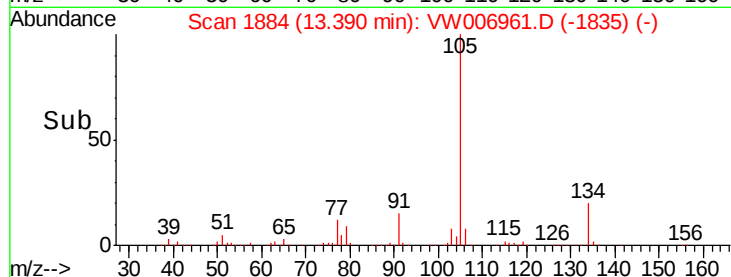
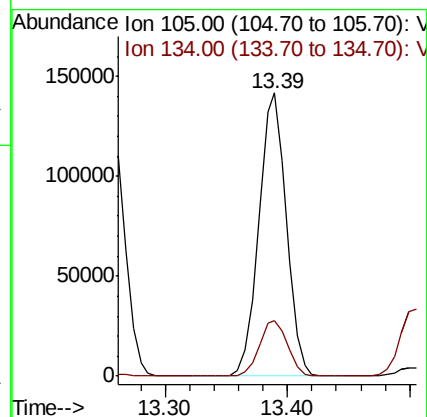
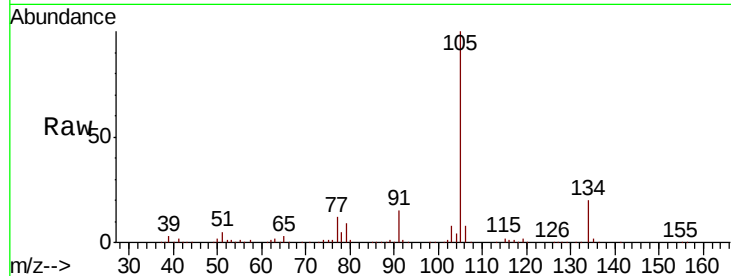
134 20.2 9.8 29.4

Manual Integrations

APPROVED

apatel

11/20/2018 4:52:48 PM



#86

p-Isopropyltoluene

Concen: 50.322 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

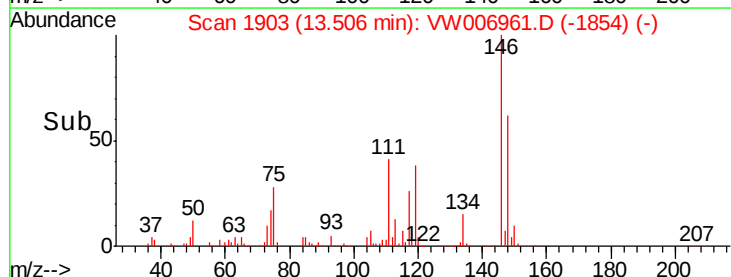
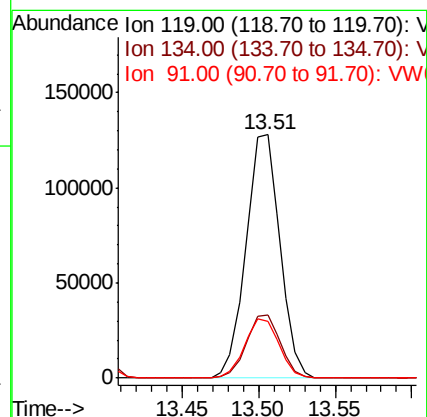
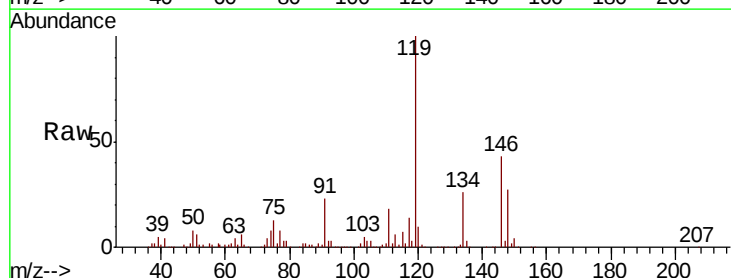
Tgt Ion:119 Resp: 197433

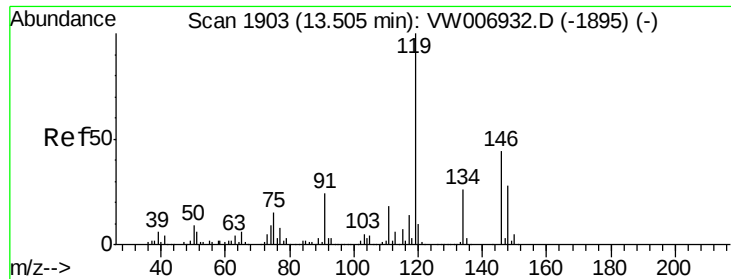
Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

91 24.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 49.234 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Instrument :

MSVOA_W

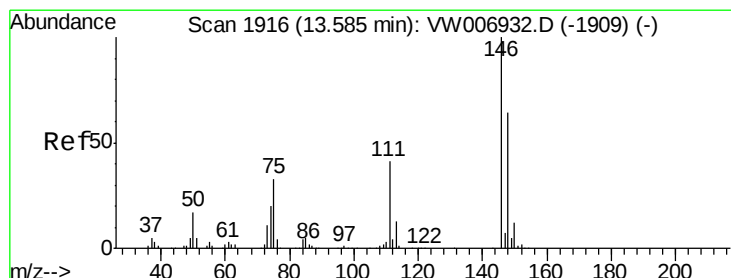
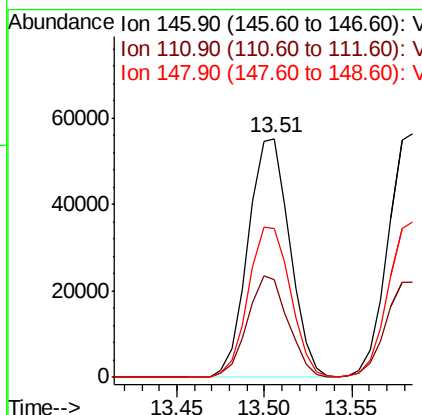
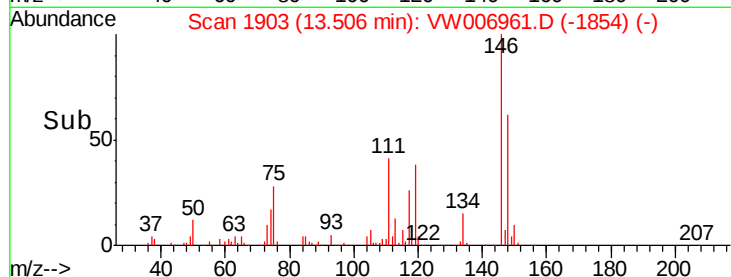
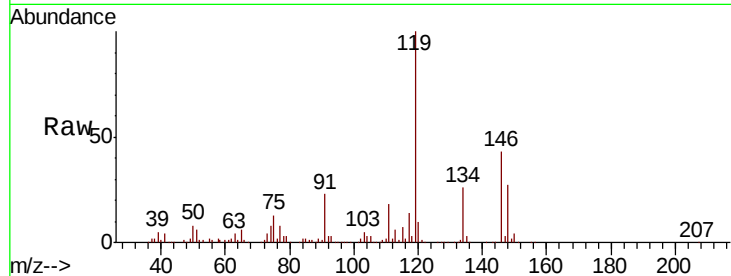
ClientSampleId :

MMTW-03(8-10)MS

Tot Ion:	146	Resp:	91805
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.3	63.9
148	63.5	31.9	95.9

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM



#88

1,4-Dichlorobenzene

Concen: 48.730 ug/l

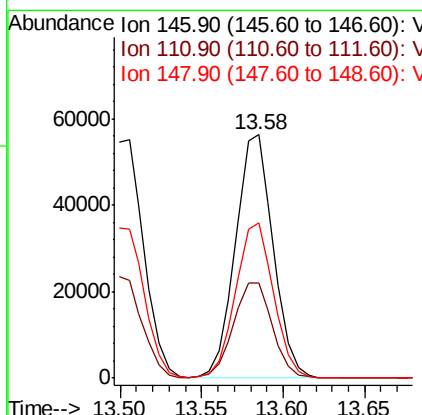
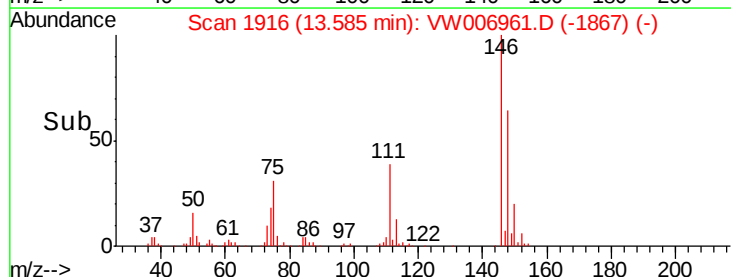
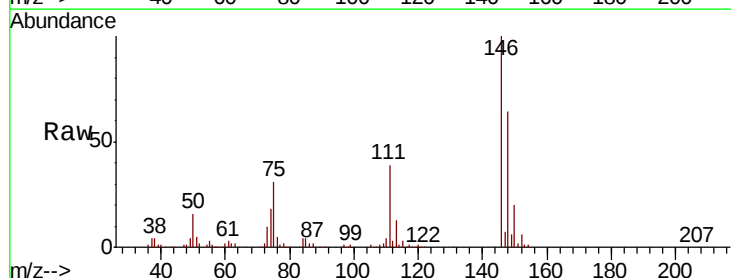
RT: 13.58 min Scan# 1916

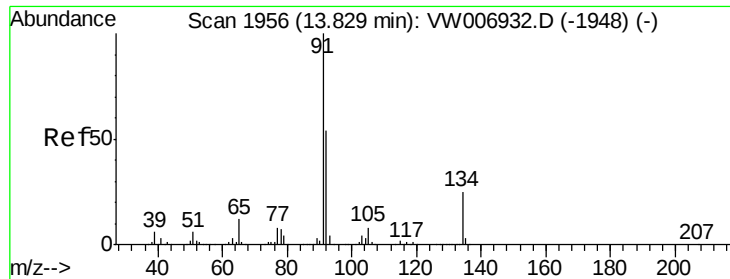
Delta R.T. 0.00 min

Lab File: VW006961.D

Acq: 19 Nov 2018 23:32

Tgt Ion:	146	Resp:	90560
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.7	62.1
148	64.2	31.9	95.9





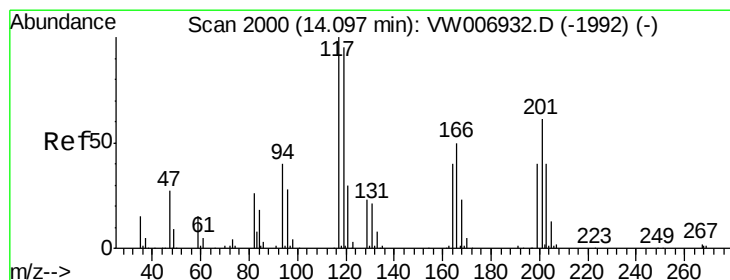
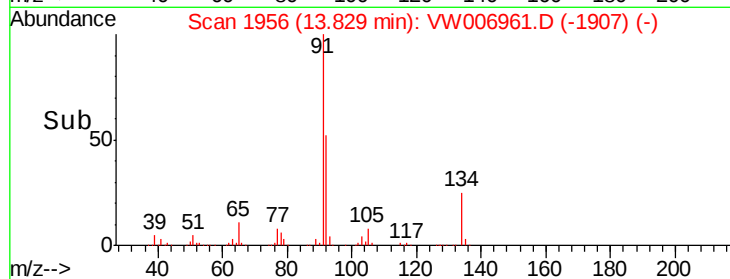
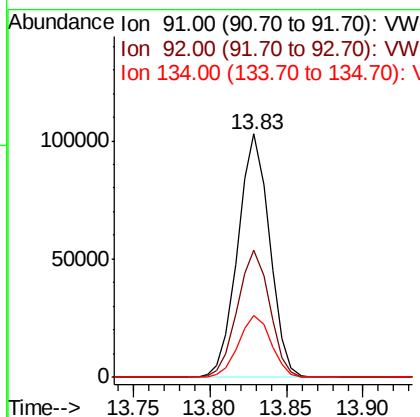
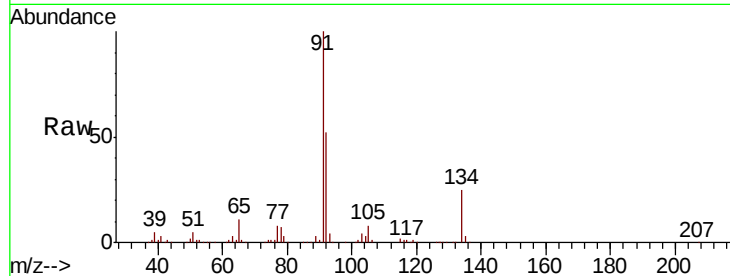
#89
n-Butylbenzene
Concen: 40.148 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	26.0	12.9	38.6

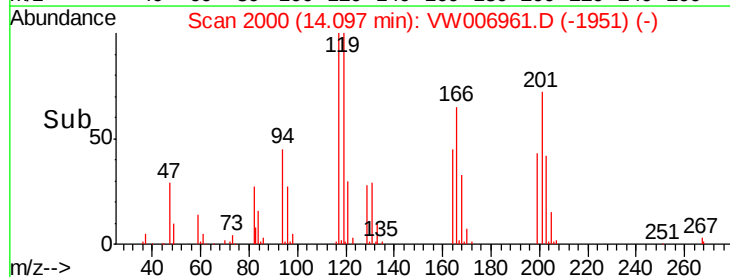
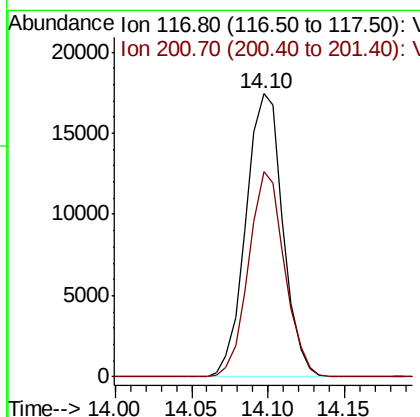
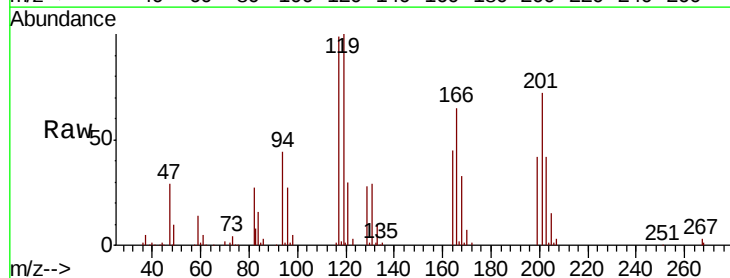
Manual Integrations
APPROVED

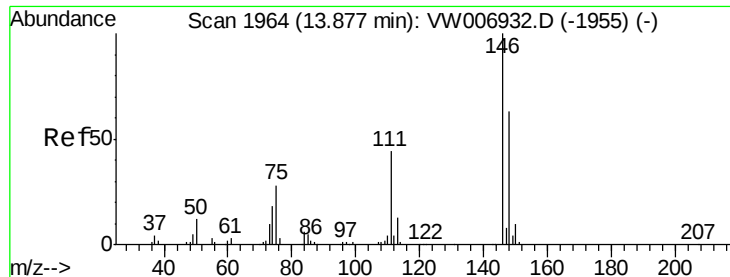
apatel
11/20/2018 4:52:48 PM



#90
Hexachloroethane
Concen: 45.836 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.6	33.8	101.4





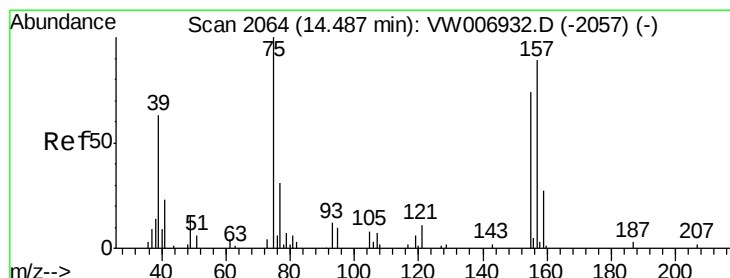
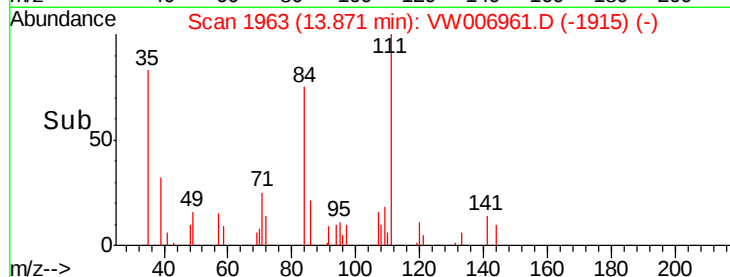
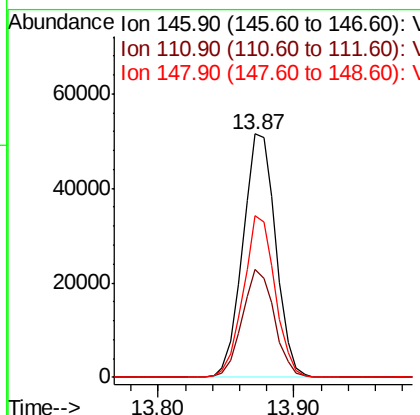
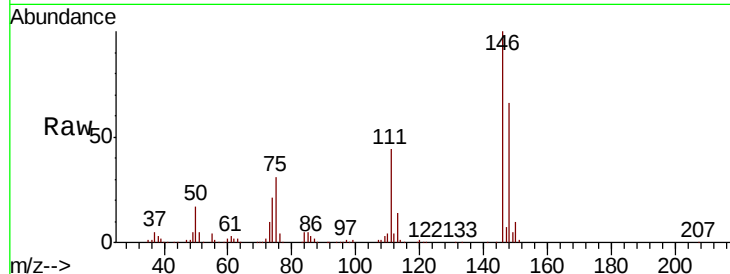
#91
 1,2-Dichlorobenzene
 Concen: 52.177 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.6	67.7
148	64.1	31.7	95.1

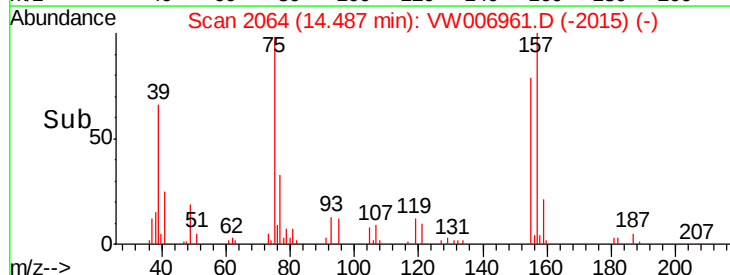
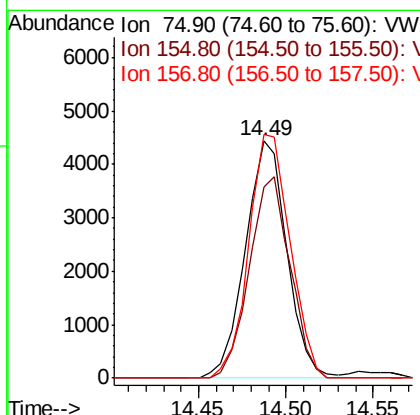
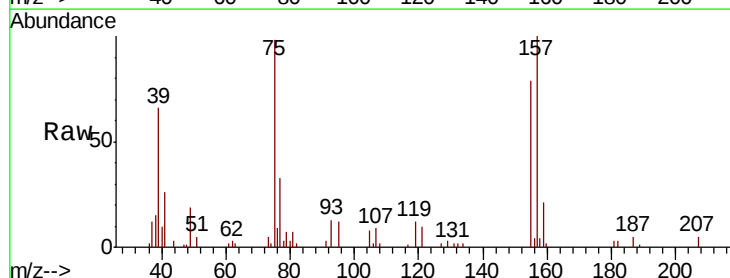
Manual Integrations
 APPROVED

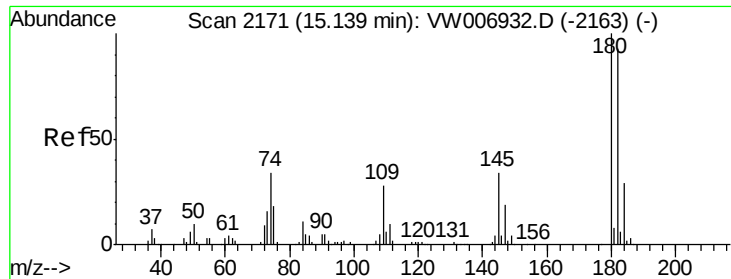
apatel
 11/20/2018 4:52:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.947 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	38.6	115.7
157	102.0	49.7	149.1





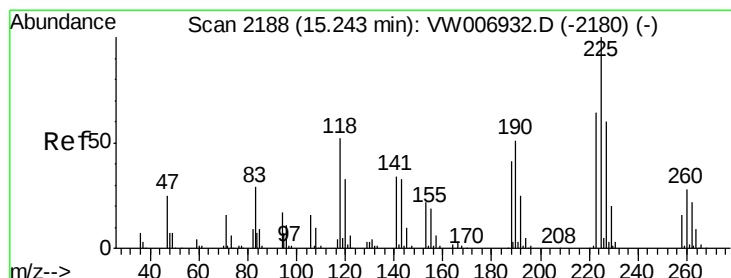
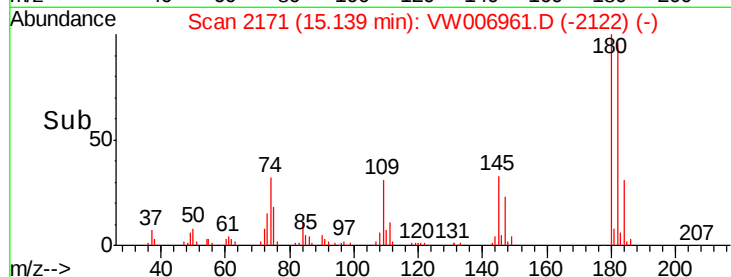
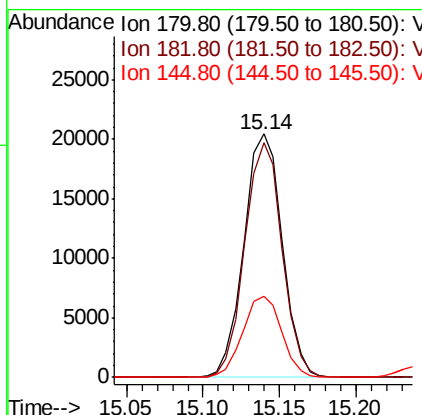
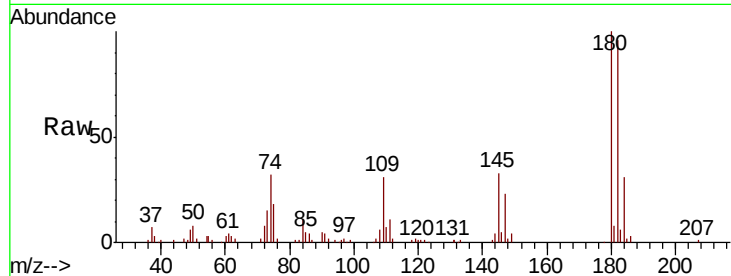
#93
 1,2,4-Trichlorobenzene
 Concen: 34.046 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	33.6	16.8	50.4

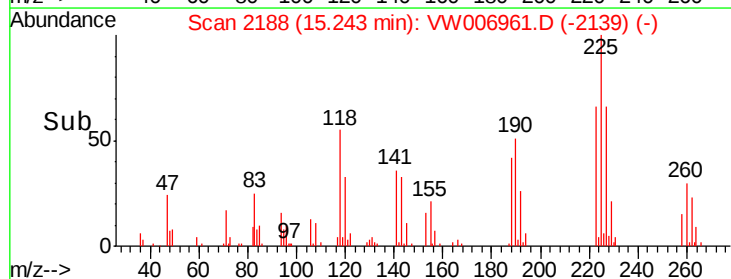
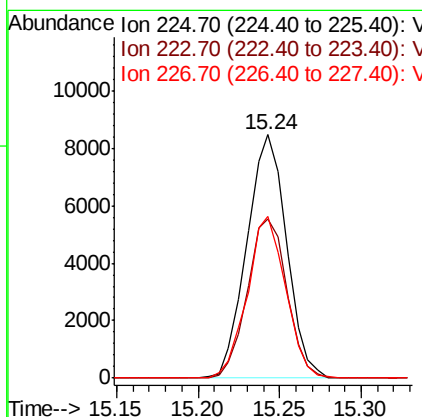
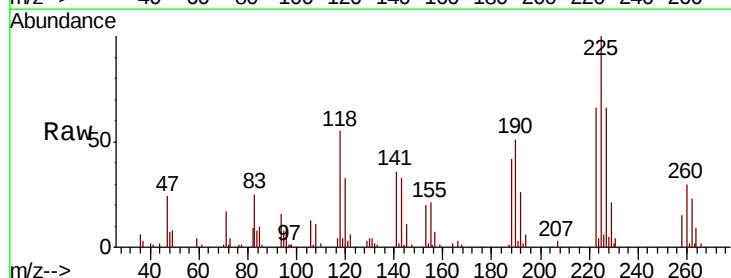
Manual Integrations
 APPROVED

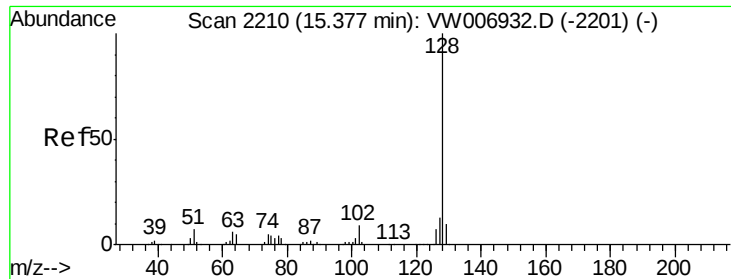
apatel
 11/20/2018 4:52:48 PM



#94
 Hexachlorobutadiene
 Concen: 25.904 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006961.D
 Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	32.1	96.3
227	63.9	31.6	95.0





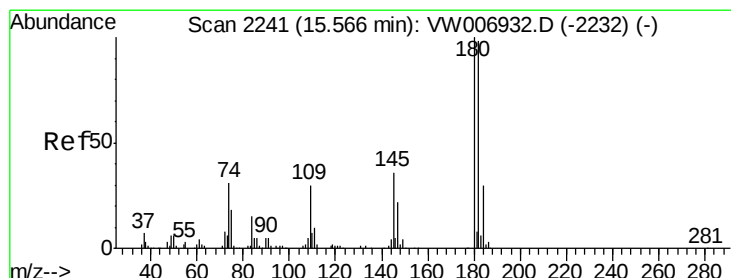
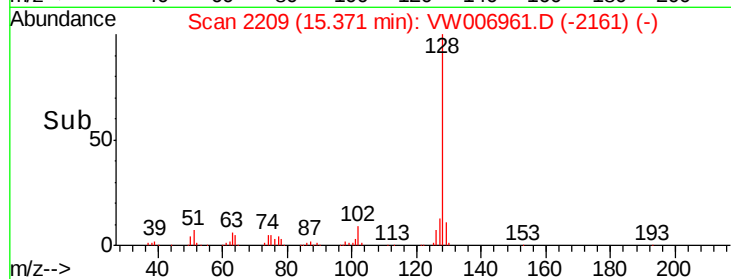
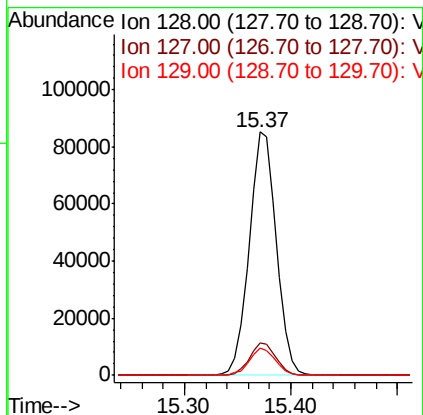
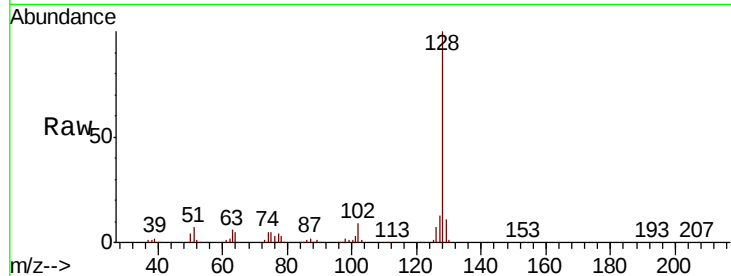
#95
Naphthalene
Concen: 75.286 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Instrument :
MSVOA_W
ClientSampleId :
MMTW-03(8-10)MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.7	8.5	12.7

Manual Integrations
APPROVED

apatel
11/20/2018 4:52:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 35.684 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW006961.D
Acq: 19 Nov 2018 23:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	35.1	17.6	52.9

