

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122018\
 Data File : VW007657.D
 Acq On : 18 Dec 2018 14:43
 Operator : SY/AP
 Sample : J6353-02MS
 Misc : 6.44G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Manual Integrations
 APPROVED

apatel
 12/19/2018 12:15:23 PM

Quant Time: Dec 19 04:48:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	51313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	88360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	60387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	16714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	33025	58.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.02%	
35) Dibromofluoromethane	7.88	113	24895	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.32	98	85632	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
62) 4-Bromofluorobenzene	12.62	95	25139	34.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17131	47.775	ug/l	96
3) Chloromethane	2.21	50	16117	53.667	ug/l	96
4) Vinyl Chloride	2.37	62	20000	56.750	ug/l	96
5) Bromomethane	2.78	94	14456	61.050	ug/l	99
6) Chloroethane	2.93	64	11868	61.176	ug/l	97
7) Trichlorofluoromethane	3.26	101	17169	54.187	ug/l	96
8) Diethyl Ether	3.68	74	12716	51.277	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	19204	36.732	ug/l	99
10) Methyl Iodide	4.26	142	50294	58.084	ug/l	98
11) Tert butyl alcohol	5.17	59	11936	305.290	ug/l	95
12) 1,1-Dichloroethene	4.03	96	28901	57.415	ug/l	95
13) Acrolein	3.89	56	5191	200.654	ug/l #	14
14) Allyl chloride	4.67	41	40959	55.203	ug/l	95
15) Acrylonitrile	5.37	53	30964	296.189	ug/l	96
16) Acetone	4.12	43	49158	494.369	ug/l	95
17) Carbon Disulfide	4.37	76	72092	47.235	ug/l	98
18) Methyl Acetate	4.67	43	22144	82.052	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	48209	63.486	ug/l #	1
20) Methylene Chloride	4.90	84	33674	62.941	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	31503	55.946	ug/l	98
22) Diisopropyl ether	6.31	45	81006	56.800	ug/l	94
23) Vinyl Acetate	6.31	43	45211	56.676	ug/l #	74
24) 1,1-Dichloroethane	6.21	63	58260	60.442	ug/l	99
25) 2-Butanone	7.17	43	46092	355.063	ug/l	97
26) 2,2-Dichloropropane	7.16	77	36753	57.613	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	36446	59.112	ug/l	99
28) Bromochloromethane	7.51	49	20571	56.738	ug/l	98
29) Tetrahydrofuran	7.52	42	23808	289.703	ug/l	95
30) Chloroform	7.68	83	65561	62.502	ug/l	97
31) Cyclohexane	7.95	56	41257	46.652	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	49005	53.274	ug/l	99
36) 1,1-Dichloropropene	8.08	75	36436	45.203	ug/l	100
37) Ethyl Acetate	7.26	43	12877	42.952	ug/l	98
38) Carbon Tetrachloride	8.07	117	39527	45.068	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122018\
 Data File : VW007657.D
 Acq On : 18 Dec 2018 14:43
 Operator : SY/AP
 Sample : J6353-02MS
 Misc : 6.44G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Manual Integrations
 APPROVED

apatel
 12/19/2018 12:15:23 PM

Quant Time: Dec 19 04:48:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32624	33.425	ug/l	98
40) Benzene	8.32	78	149043	66.628	ug/l	99
41) Methacrylonitrile	7.48	41	10169	59.565	ug/l	95
42) 1,2-Dichloroethane	8.40	62	43710	62.204	ug/l	96
43) Isopropyl Acetate	8.43	43	32022	54.073	ug/l	99
44) Trichloroethene	9.09	130	49953	78.201	ug/l	99
45) 1,2-Dichloropropane	9.37	63	28612	55.273	ug/l	97
46) Dibromomethane	9.46	93	17332	58.959	ug/l	98
47) Bromodichloromethane	9.65	83	45922	59.555	ug/l	94
48) Methyl methacrylate	9.43	41	16506	54.271	ug/l	95
49) 1,4-Dioxane	9.45	88	5571	1167.970	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	92097	329.139	ug/l	100
52) Toluene	10.39	92	513437	354.676	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	42915	57.328	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	49129	56.772	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	27355	68.372	ug/l	94
56) Ethyl methacrylate	10.65	69	28664	59.606	ug/l	98
57) 1,3-Dichloropropane	10.93	76	38438	58.533	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	74905	337.771	ug/l	98
59) 2-Hexanone	10.97	43	65219	349.553	ug/l	98
60) Dibromochloromethane	11.13	129	29399	58.226	ug/l	99
61) 1,2-Dibromoethane	11.24	107	22252	56.280	ug/l	99
64) Tetrachloroethene	10.87	164	27453	63.218	ug/l	93
65) Chlorobenzene	11.66	112	67626	53.729	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	27033	60.982	ug/l	97
67) Ethyl Benzene	11.73	91	388086	179.339	ug/l	92
68) m/p-Xylenes	11.84	106	450780	535.838	ug/l	98
69) o-Xylene	12.17	106	203774	259.359	ug/l	95
70) Styrene	12.18	104	100735	79.379	ug/l #	77
71) Bromoform	12.35	173	14955	65.910	ug/l #	96
73) Isopropylbenzene	12.47	105	87063	67.981	ug/l	99
74) N-amyl acetate	12.27	43	18200	78.194	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	8311	43.815	ug/l	89
76) 1,2,3-Trichloropropane	12.77	75	21667m	157.222	ug/l	
77) Bromobenzene	12.75	156	22867	80.552	ug/l	91
78) n-propylbenzene	12.81	91	153332	106.385	ug/l	100
79) 2-Chlorotoluene	12.90	91	55611m	63.767	ug/l	
80) 1,3,5-Trimethylbenzene	12.95	105	171083	158.985	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	7725	123.825	ug/l	95
82) 4-Chlorotoluene	12.99	91	50604	55.047	ug/l	96
83) tert-Butylbenzene	13.21	119	31576	33.301	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	476414	430.226	ug/l	99
85) sec-Butylbenzene	13.39	105	38236	29.540	ug/l	100
86) p-Isopropyltoluene	13.51	119	34607	29.761	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	28271	49.949	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	29456	51.767	ug/l	98
89) n-Butylbenzene	13.83	91	36026	33.419	ug/l #	77
90) Hexachloroethane	14.10	117	8240	39.825	ug/l	74
91) 1,2-Dichlorobenzene	13.88	146	28119	55.468	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4155	109.153	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122018\
Data File : VW007657.D
Acq On : 18 Dec 2018 14:43
Operator : SY/AP
Sample : J6353-02MS
Misc : 6.44G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

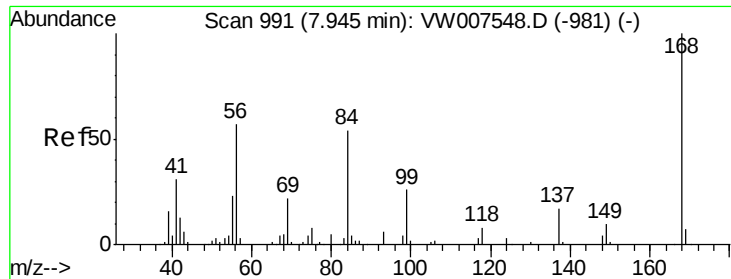
Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM

Quant Time: Dec 19 04:48:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	7668	21.979	ug/l	91
94) Hexachlorobutadiene	15.24	225	1961	10.594	ug/l	98
95) Naphthalene	15.38	128	61463	92.093	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	7490	24.715	ug/l	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion: 168 Resp: 51313

Ion Ratio Lower Upper

168 100

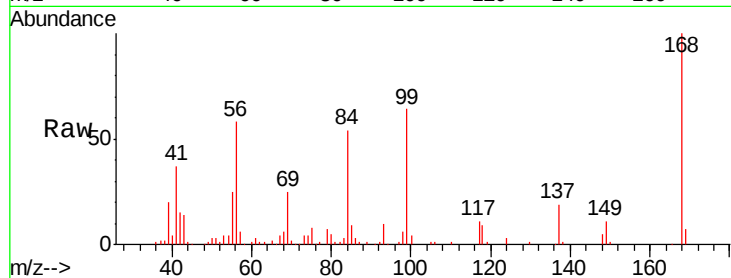
99 63.9 48.3 72.5

Manual Integrations

APPROVED

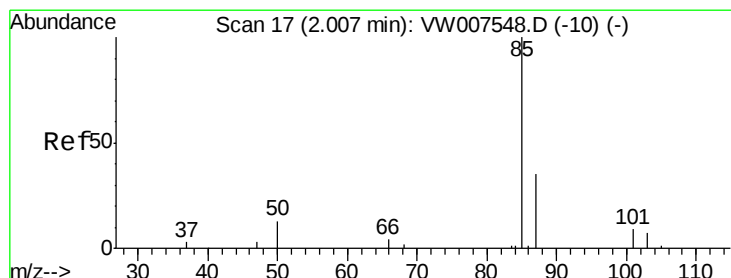
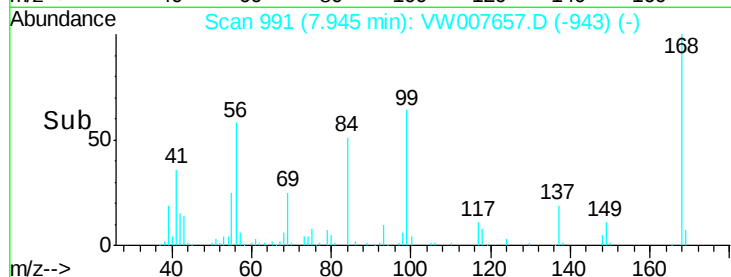
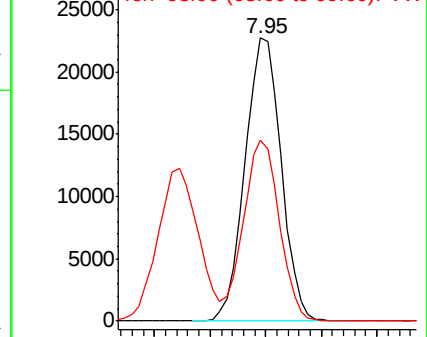
apatel

12/19/2018 12:15:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.775 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007657.D

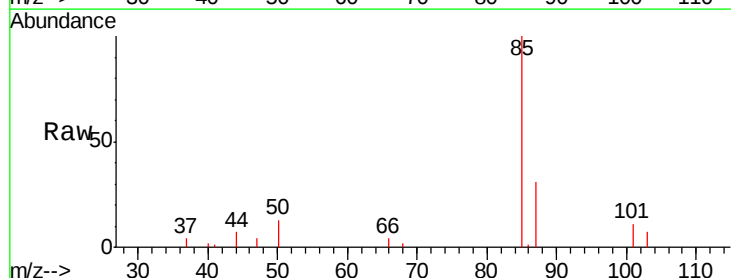
Acq: 18 Dec 2018 14:43

Tgt Ion: 85 Resp: 17131

Ion Ratio Lower Upper

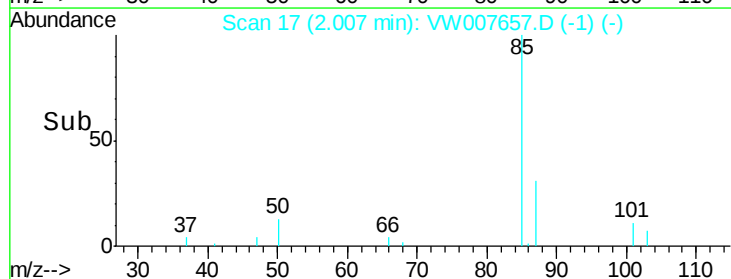
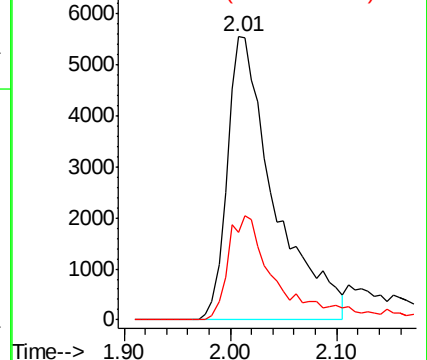
85 100

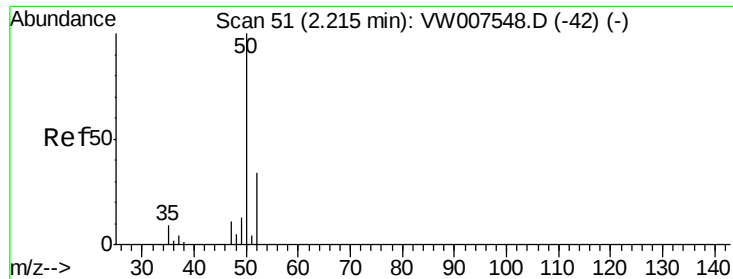
87 31.0 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 53.667 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion: 50 Resp: 16117

Ion Ratio Lower Upper

50 100

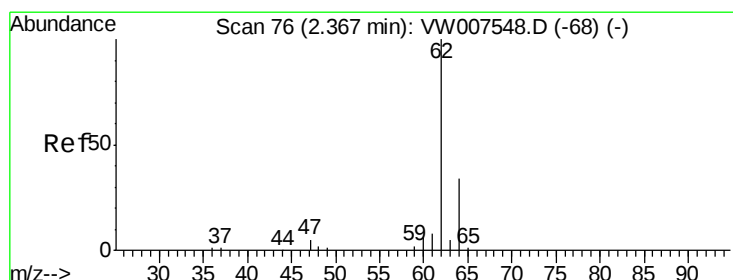
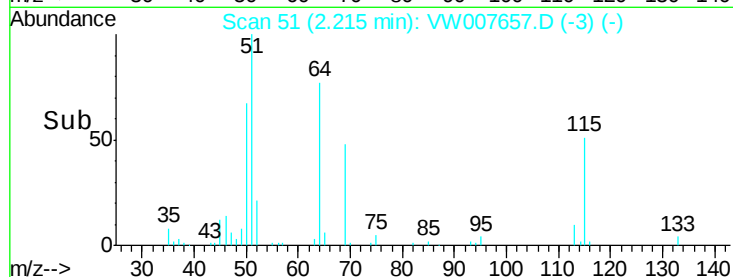
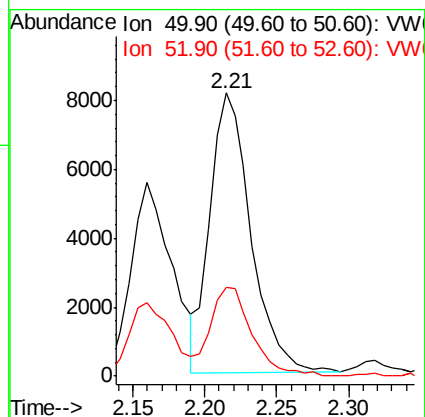
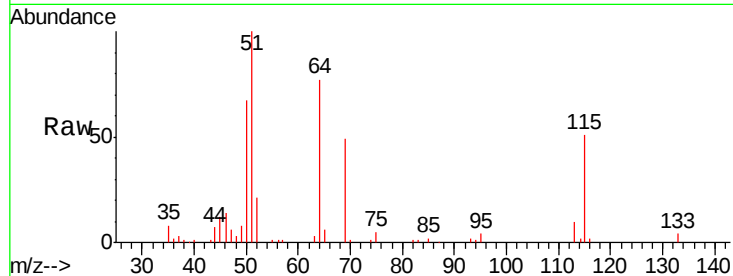
52 31.7 27.4 41.0

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:23 PM



#4

Vinyl Chloride

Concen: 56.750 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007657.D

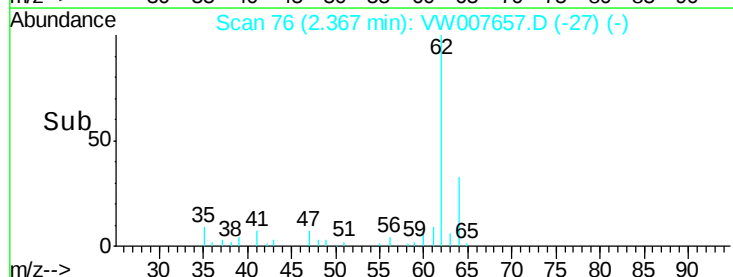
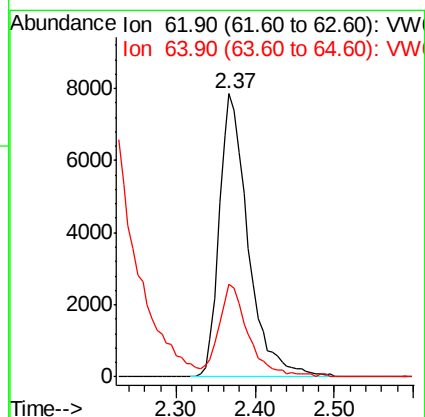
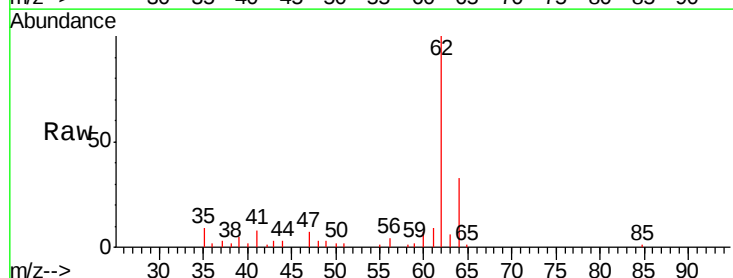
Acq: 18 Dec 2018 14:43

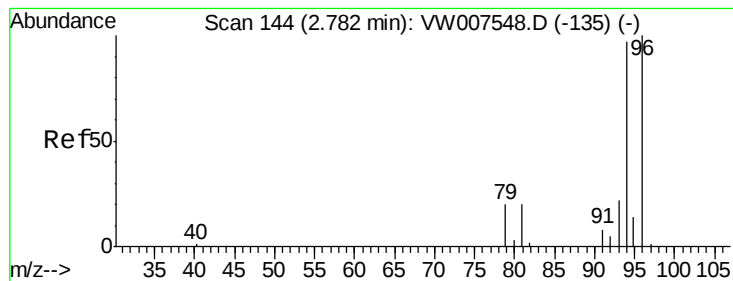
Tgt Ion: 62 Resp: 20000

Ion Ratio Lower Upper

62 100

64 33.0 24.6 37.0





#5

Bromomethane

Concen: 61.050 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion: 94 Resp: 14456

Ion Ratio Lower Upper

94 100

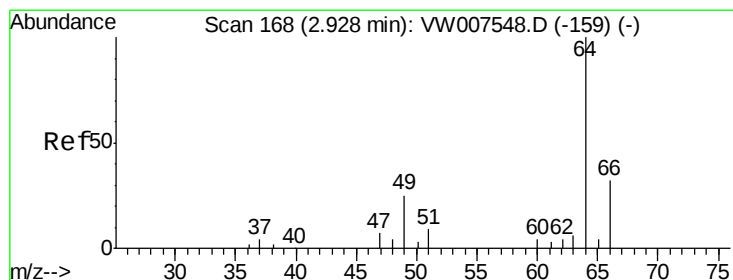
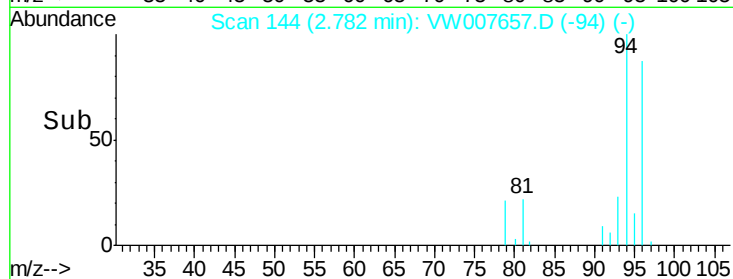
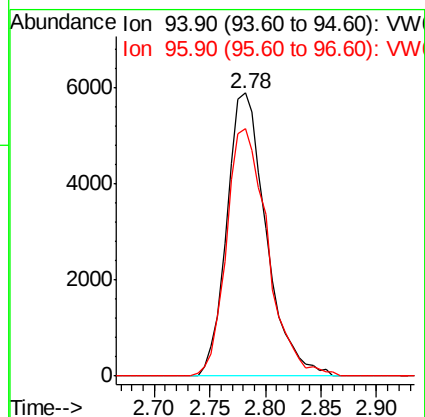
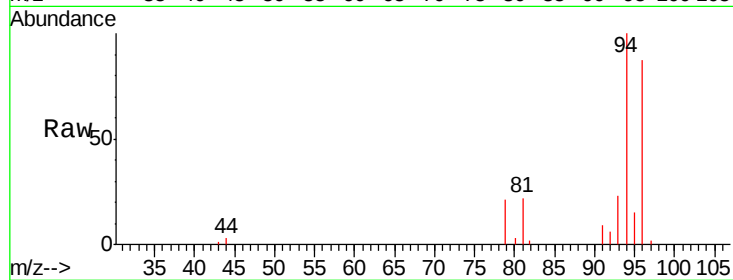
96 87.5 71.0 106.4

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:23 PM



#6

Chloroethane

Concen: 61.176 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007657.D

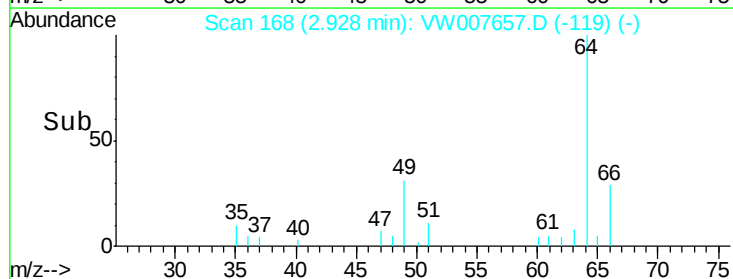
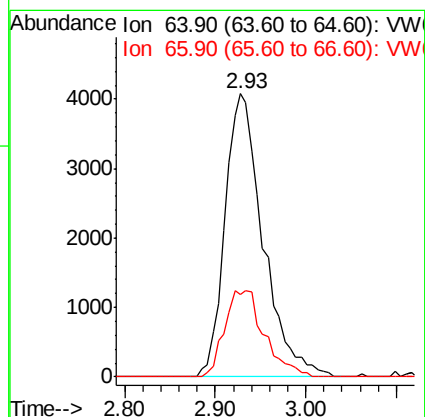
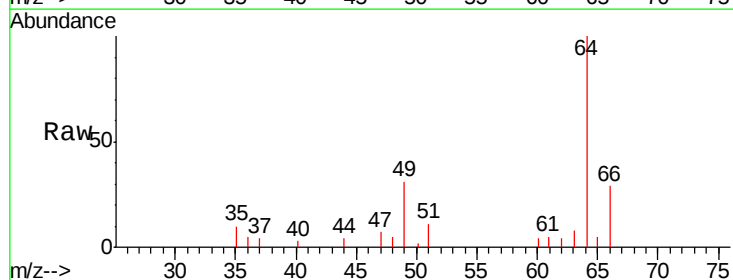
Acq: 18 Dec 2018 14:43

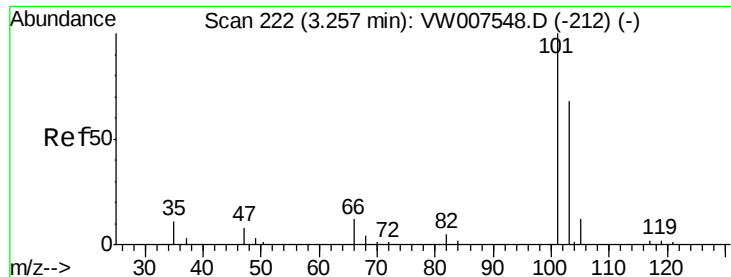
Tgt Ion: 64 Resp: 11868

Ion Ratio Lower Upper

64 100

66 29.2 24.6 37.0





#7

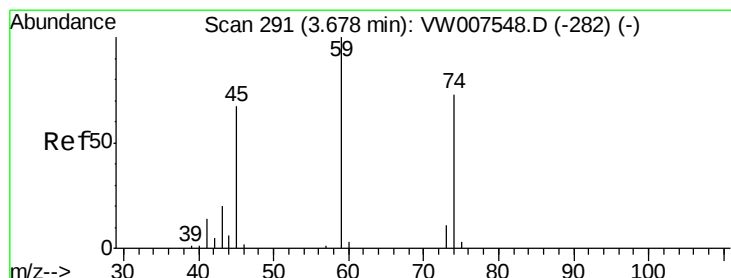
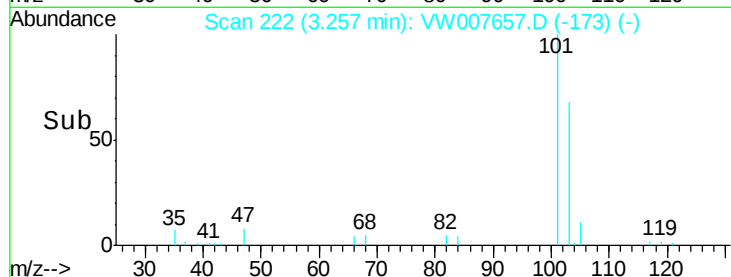
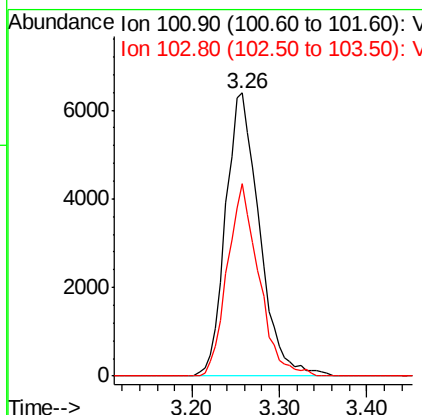
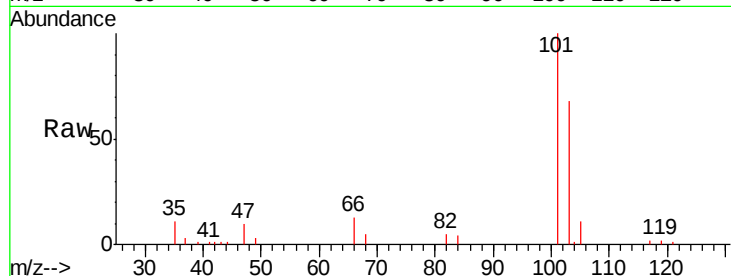
Trichlorofluoromethane
 Concen: 54.187 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Tgt Ion: 101 Resp: 17169
 Ion Ratio Lower Upper
 101 100
 103 67.8 51.7 77.5

Manual Integrations
 APPROVED

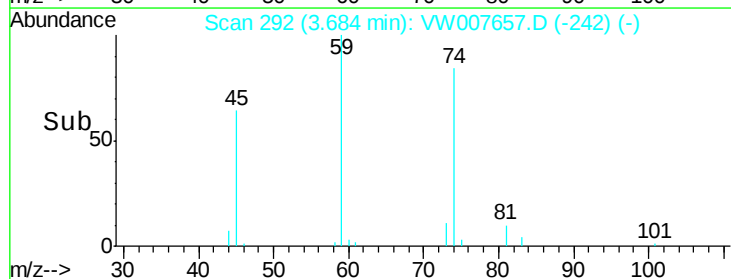
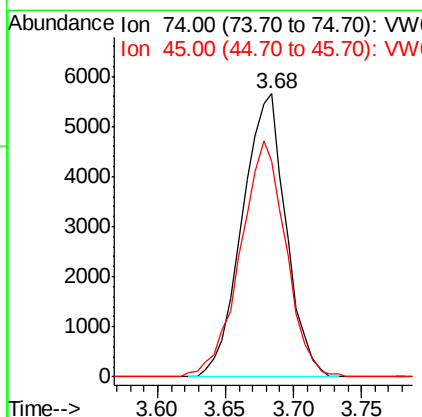
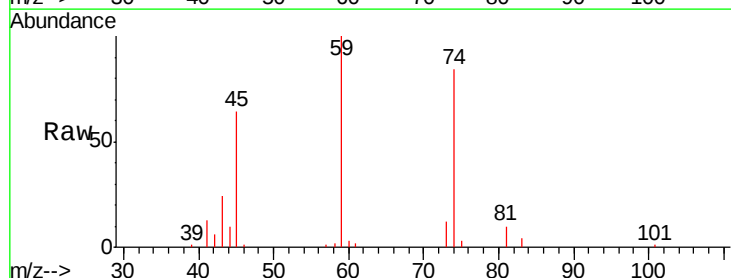
apatel
 12/19/2018 12:15:23 PM

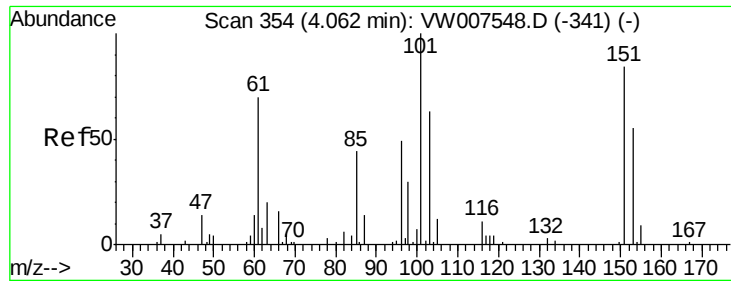


#8

Diethyl Ether
 Concen: 51.277 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion: 74 Resp: 12716
 Ion Ratio Lower Upper
 74 100
 45 86.8 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.732 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

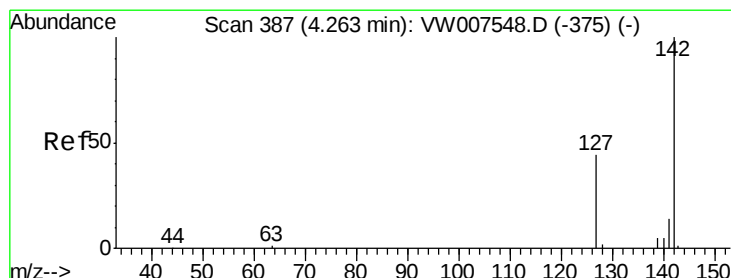
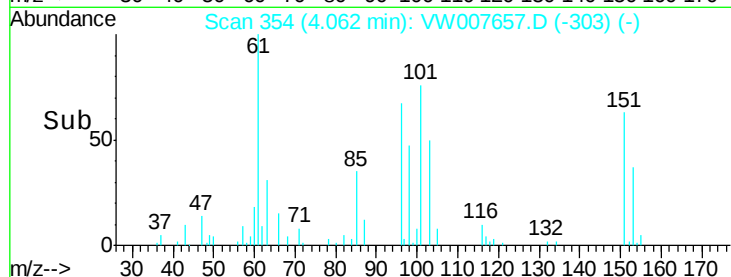
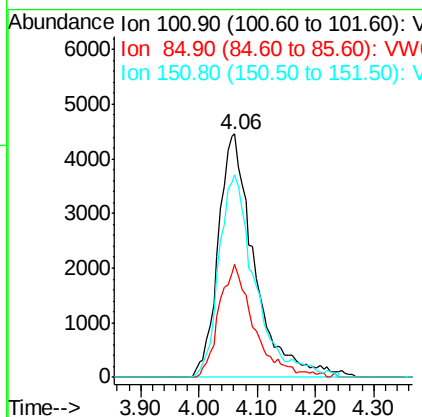
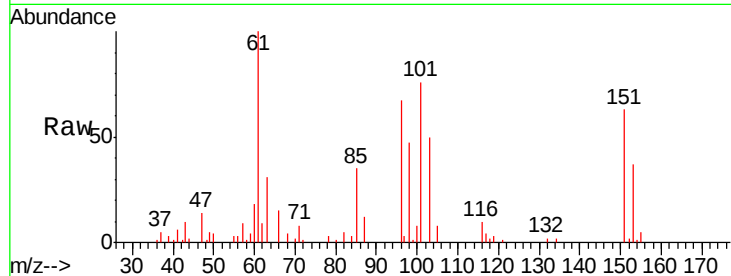
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion:	101	Resp:	19204
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.9	50.9
151	78.9	63.7	95.5

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#10

Methyl Iodide

Concen: 58.084 ug/l

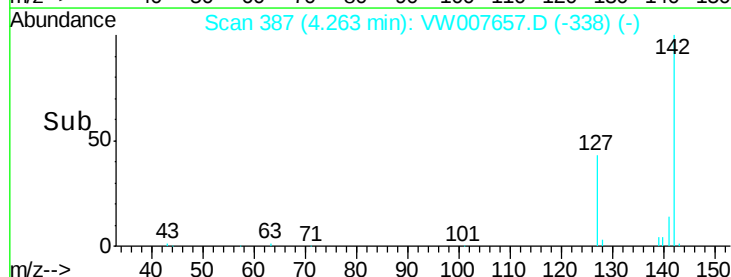
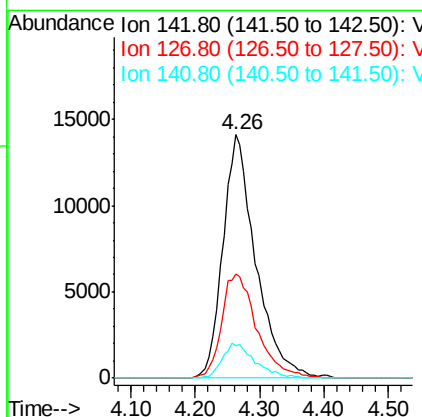
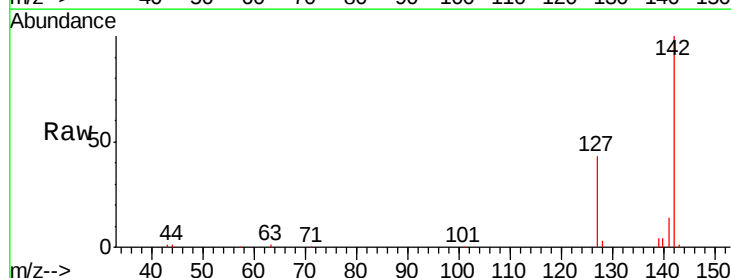
RT: 4.26 min Scan# 387

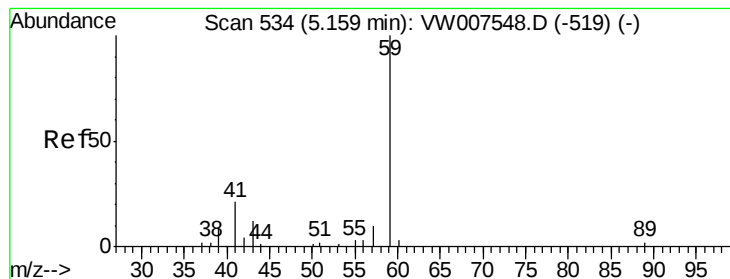
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion:	142	Resp:	50294
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.8	53.6
141	14.2	11.1	16.7





#11

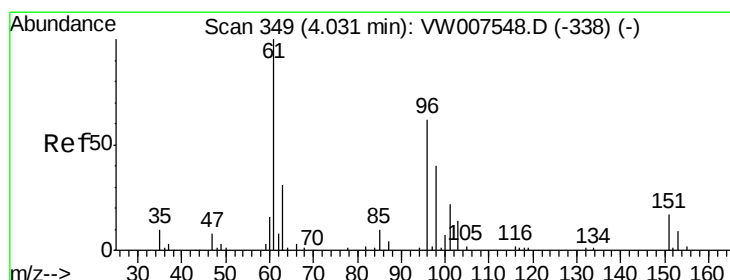
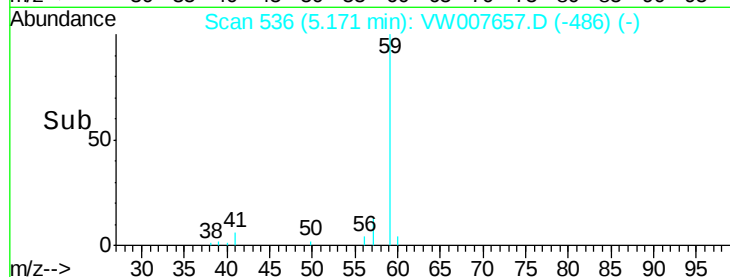
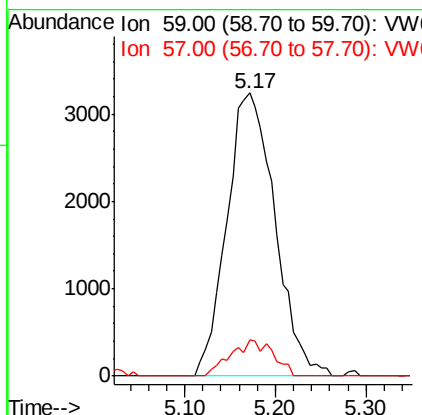
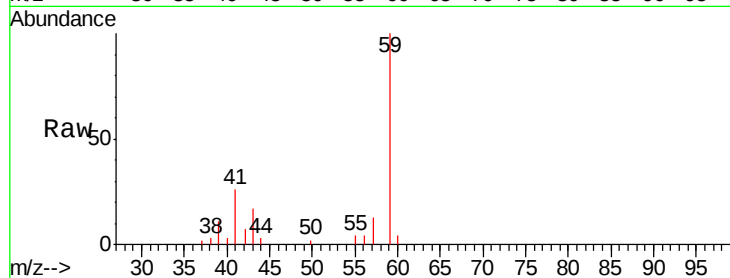
Tert butyl alcohol
Concen: 305.290 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.2	7.6	11.4

Manual Integrations
APPROVED

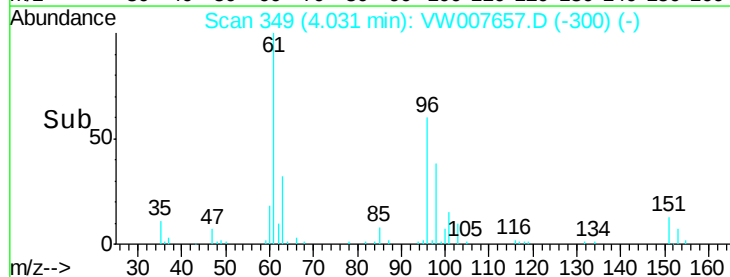
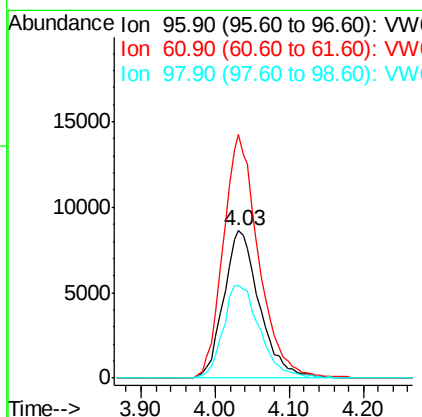
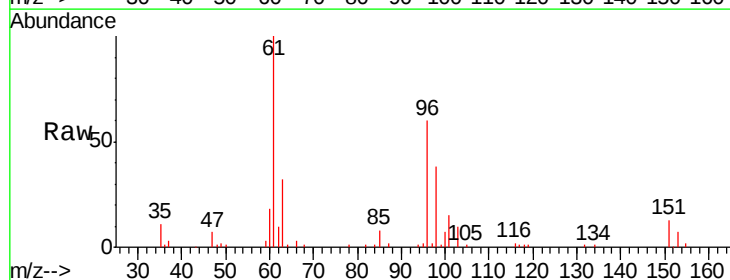
apatel
12/19/2018 12:15:23 PM

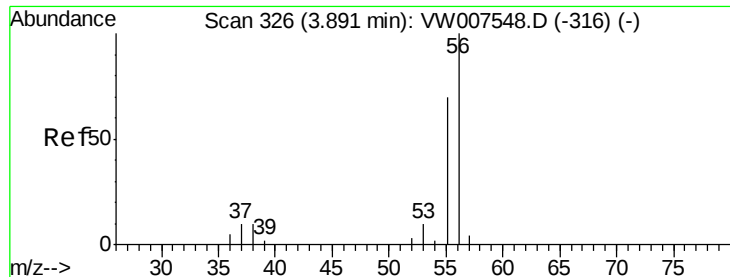


#12

1,1-Dichloroethene
Concen: 57.415 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.5	126.2	189.2
98	62.9	48.3	72.5





#13

Acrolein

Concen: 200.654 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion: 56 Resp: 5191

Ion Ratio Lower Upper

56 100

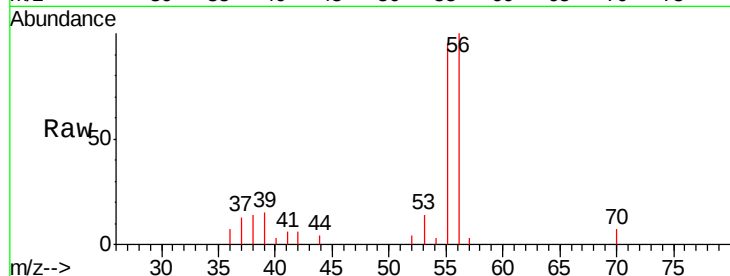
55 0.0 57.4 86.2#

Manual Integrations

APPROVED

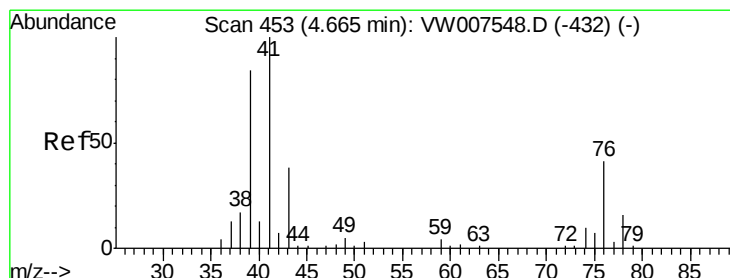
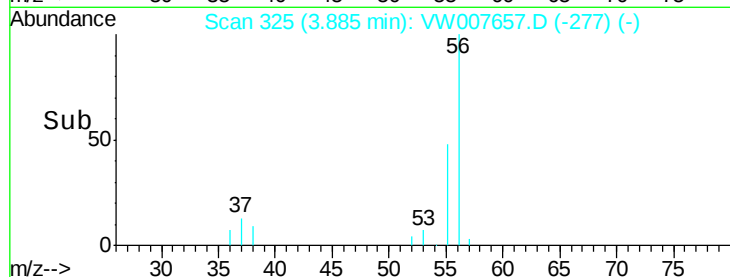
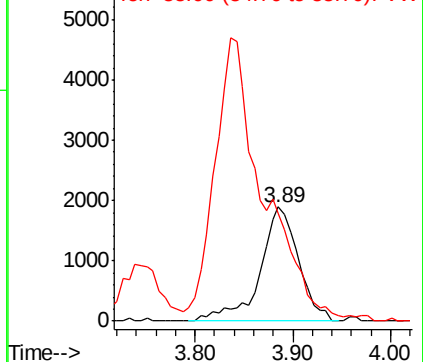
apatel

12/19/2018 12:15:23 PM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 55.203 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

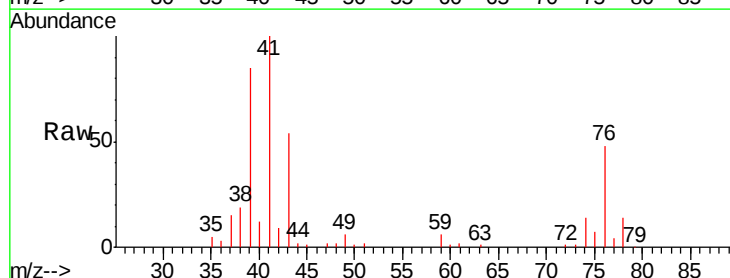
Tgt Ion: 41 Resp: 40959

Ion Ratio Lower Upper

41 100

39 83.2 63.4 95.2

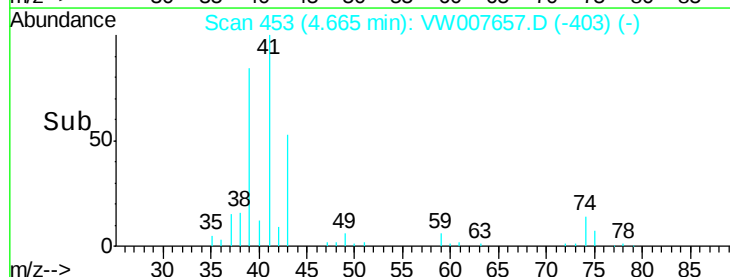
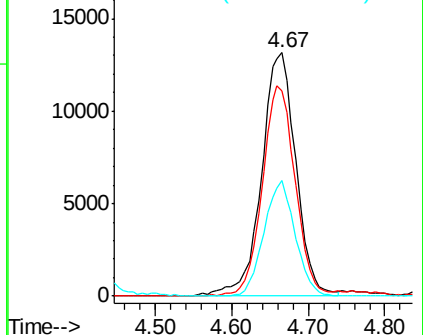
76 43.3 32.1 48.1

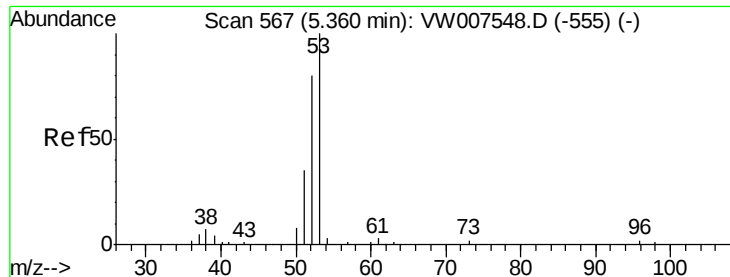


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 296.189 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

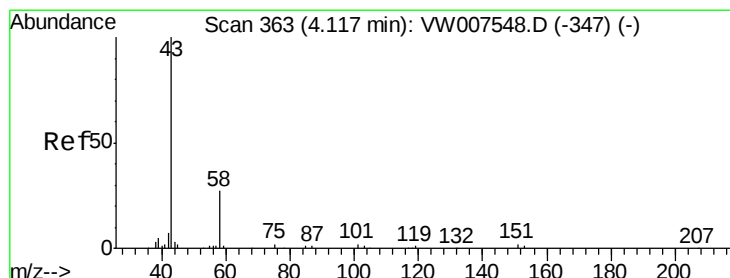
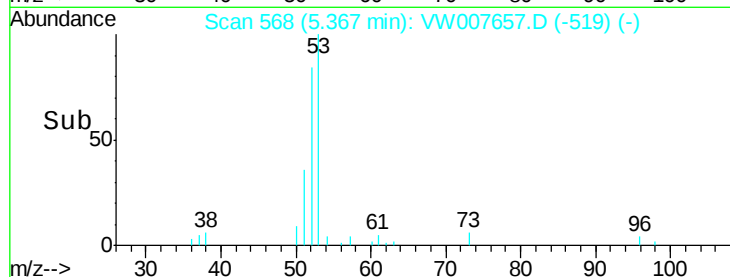
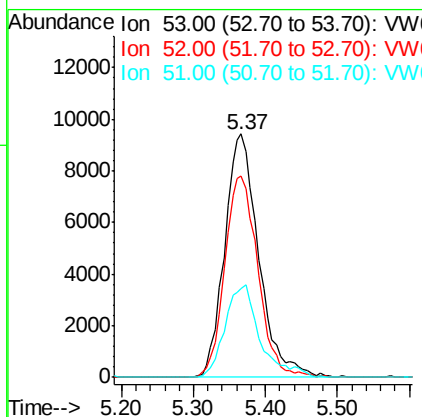
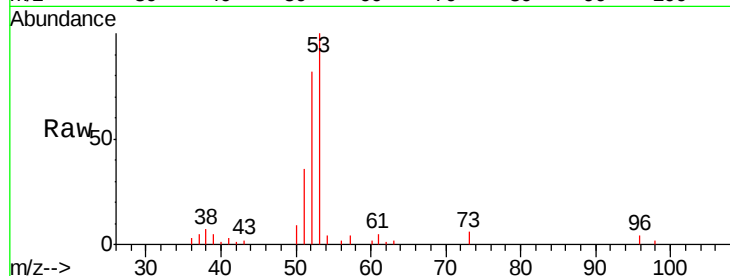
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion:	53	Resp:	30964
Ion	Ratio	Lower	Upper
53	100		
52	80.5	67.4	101.2
51	39.0	30.2	45.2

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#16

Acetone

Concen: 494.369 ug/l

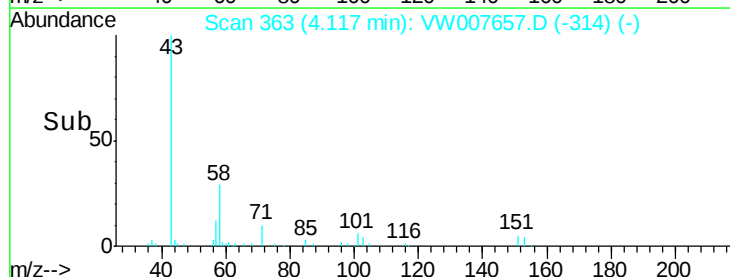
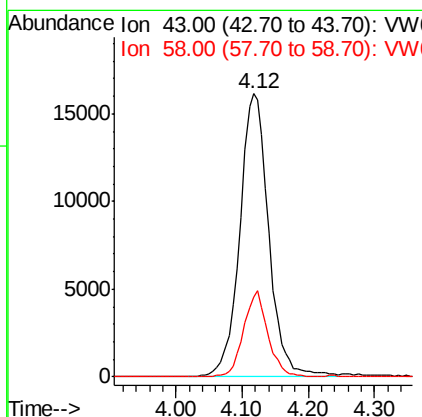
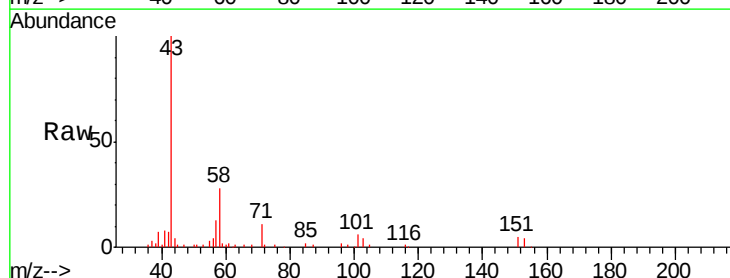
RT: 4.12 min Scan# 363

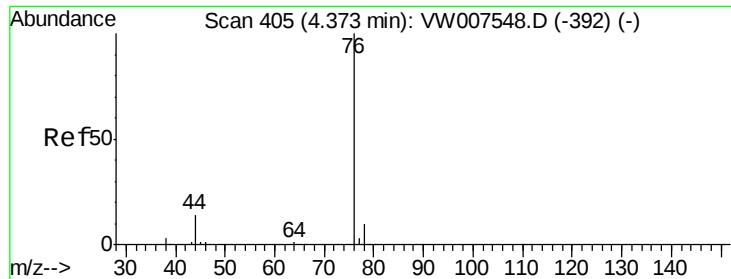
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion:	43	Resp:	49158
Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.9	37.3





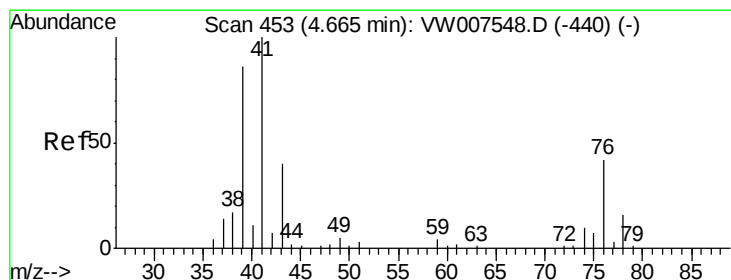
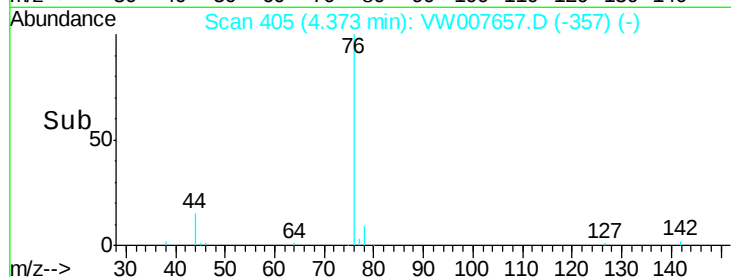
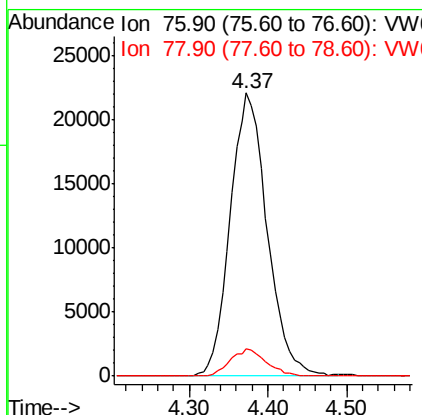
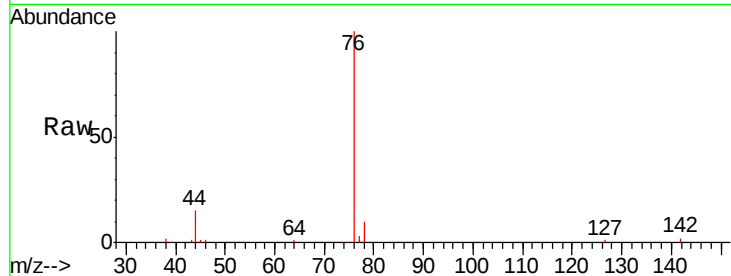
#17
Carbon Disulfide
Concen: 47.235 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion: 76 Resp: 72092
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

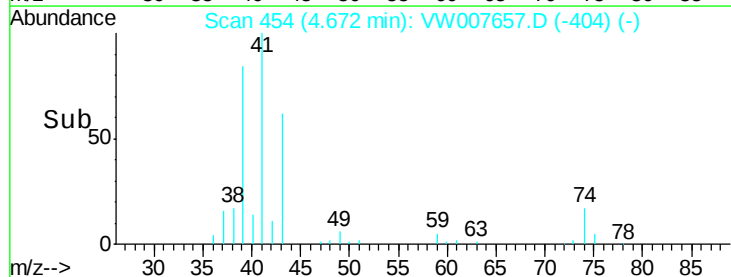
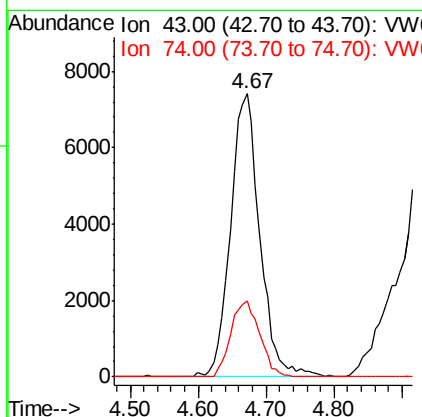
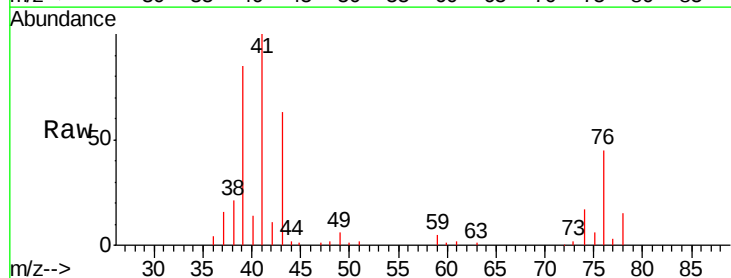
Manual Integrations
APPROVED

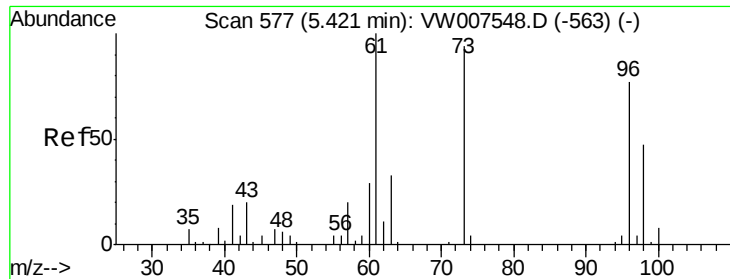
apatel
12/19/2018 12:15:23 PM



#18
Methyl Acetate
Concen: 82.052 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 43 Resp: 22144
Ion Ratio Lower Upper
43 100
74 26.4 21.1 31.7





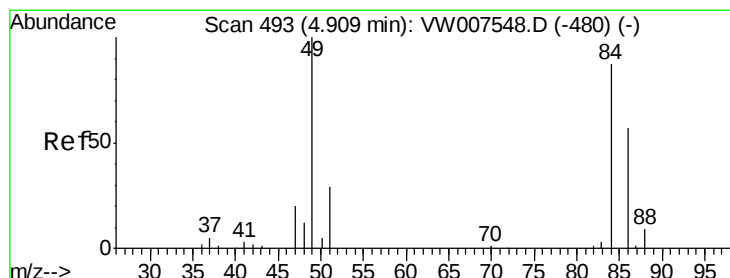
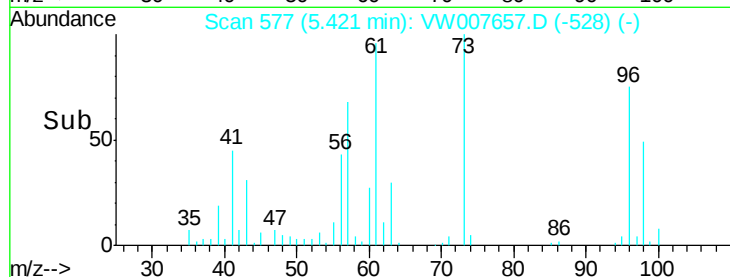
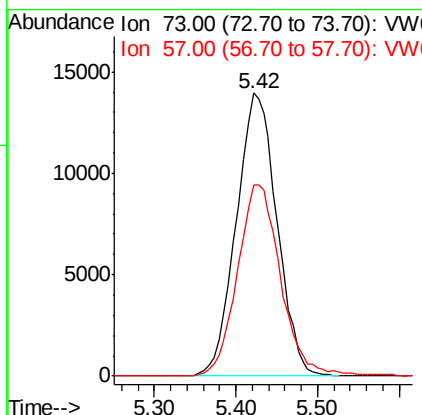
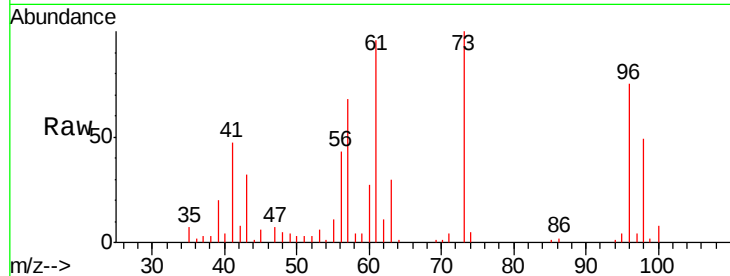
#19
Methyl tert-butyl Ether
Concen: 63.486 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion: 73 Resp: 48209
Ion Ratio Lower Upper
73 100
57 67.7 16.4 24.6#

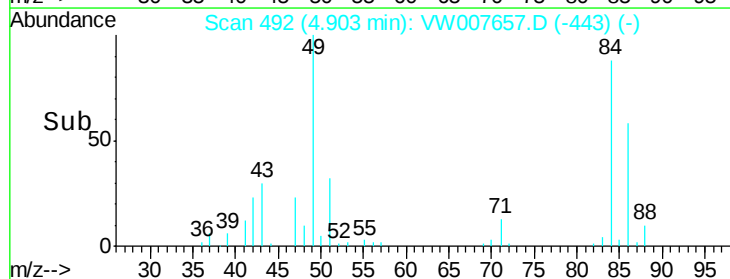
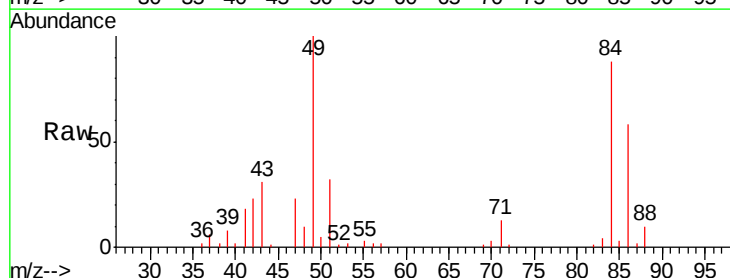
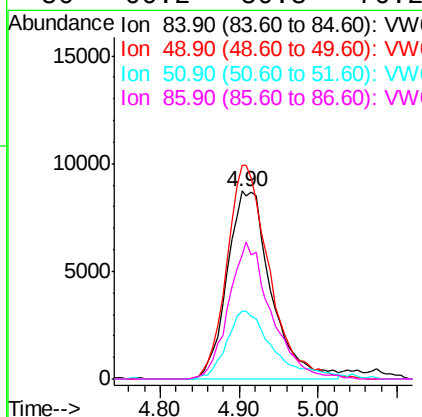
Manual Integrations
APPROVED

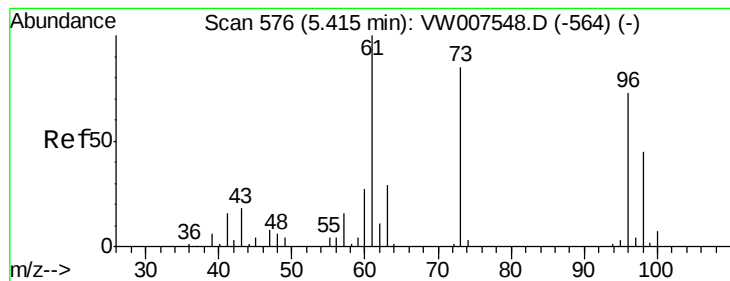
apatel
12/19/2018 12:15:23 PM



#20
Methylene Chloride
Concen: 62.941 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 84 Resp: 33674
Ion Ratio Lower Upper
84 100
49 113.4 87.1 130.7
51 35.8 28.2 42.2
86 66.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 55.946 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

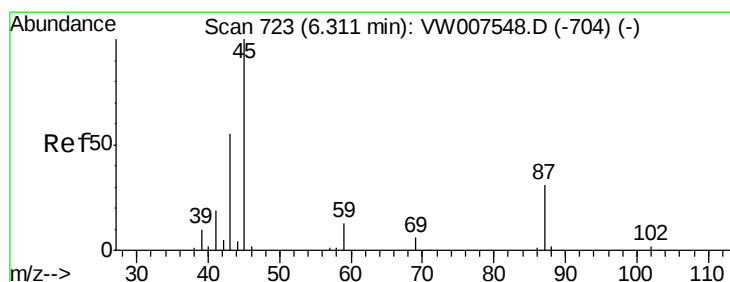
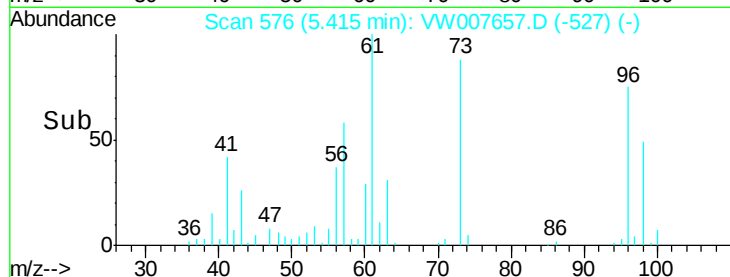
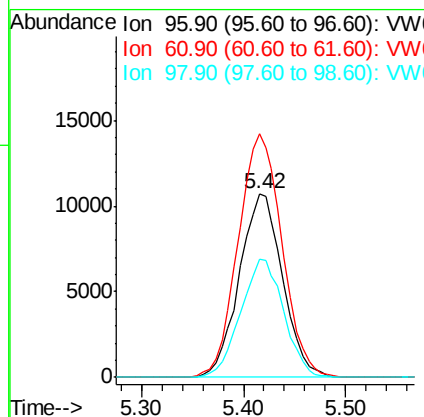
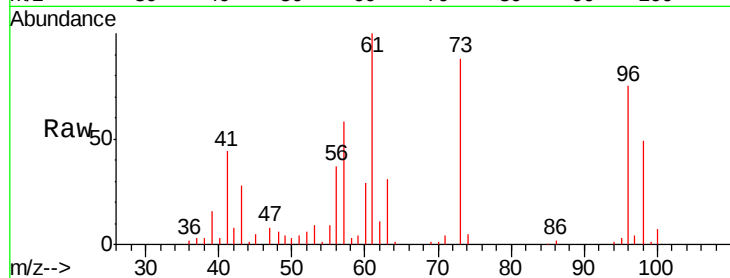
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion:	96	Resp:	31503
Ion Ratio	Lower	Upper	
96	100		
61	132.6	105.0	157.6
98	64.3	49.7	74.5

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#22

Diisopropyl ether

Concen: 56.800 ug/l

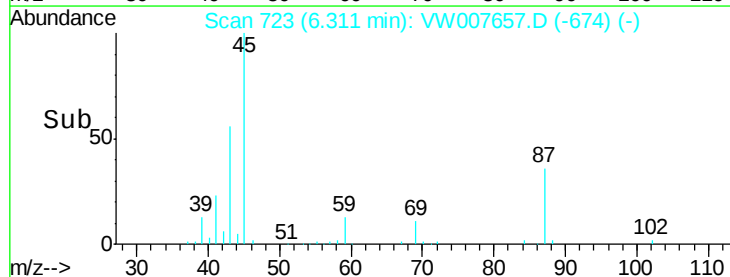
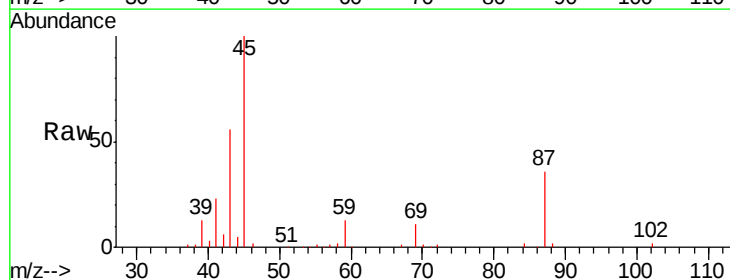
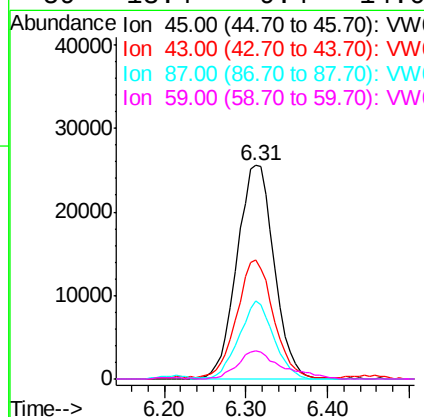
RT: 6.31 min Scan# 723

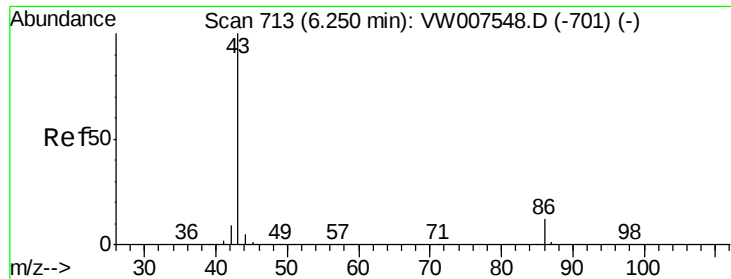
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion:	45	Resp:	81006
Ion Ratio	Lower	Upper	
45	100		
43	55.0	41.6	62.4
87	36.4	24.3	36.5
59	13.4	9.4	14.0





#23

Vinyl Acetate

Concen: 56.676 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.06 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

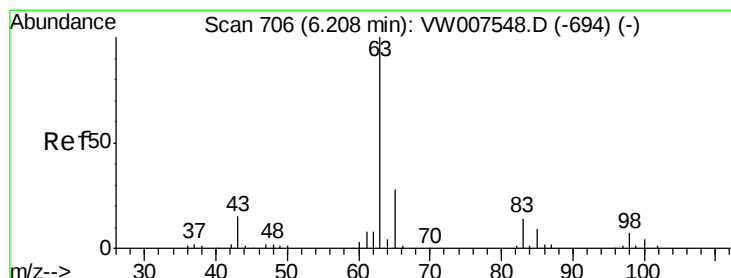
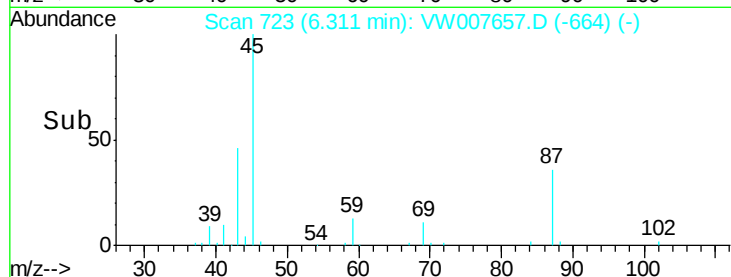
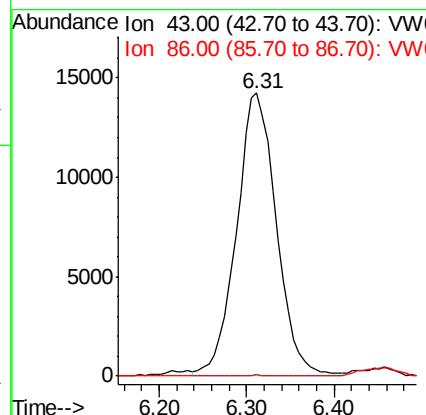
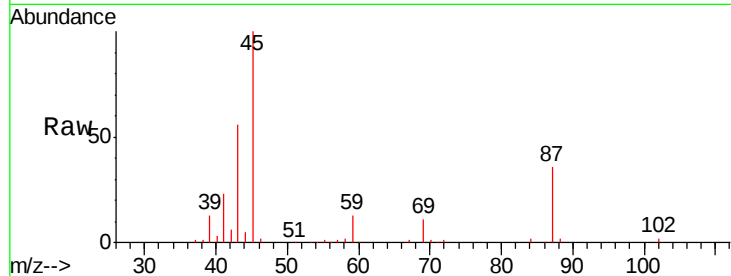
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.8	8.6	12.8#

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#24

1,1-Dichloroethane

Concen: 60.442 ug/l

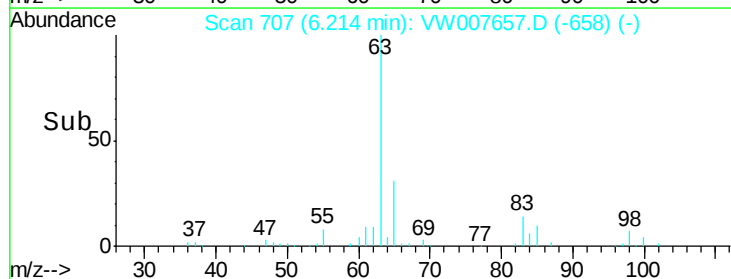
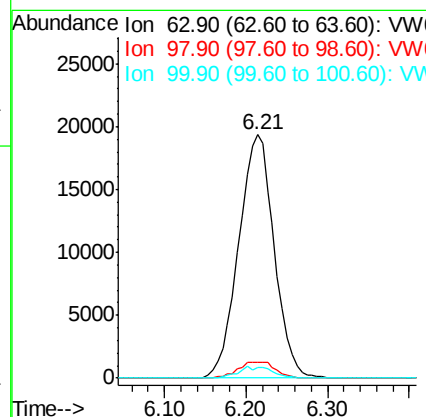
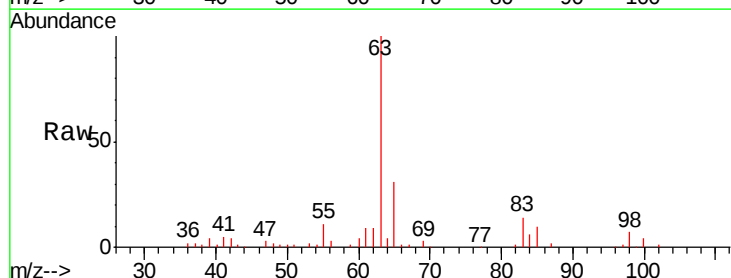
RT: 6.21 min Scan# 707

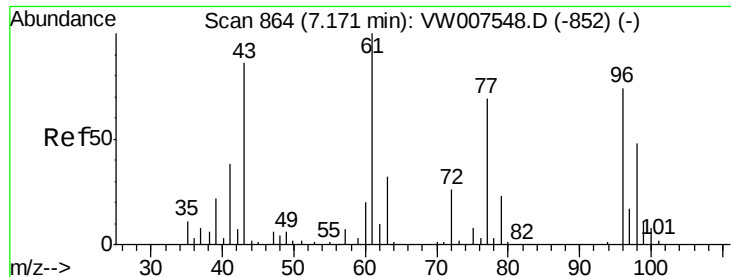
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	4.4	2.5	7.5





#25

2-Butanone

Concen: 355.063 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion: 43 Resp: 46092

Ion Ratio Lower Upper

43 100

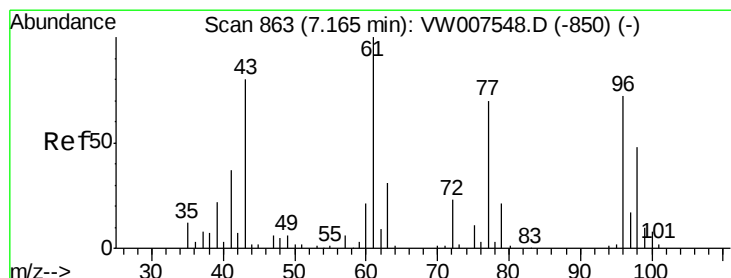
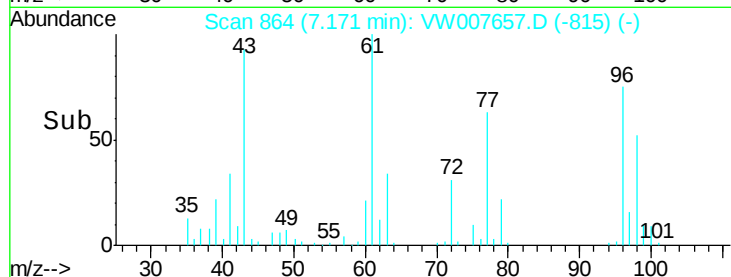
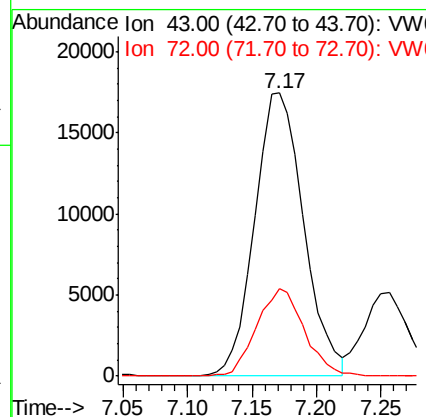
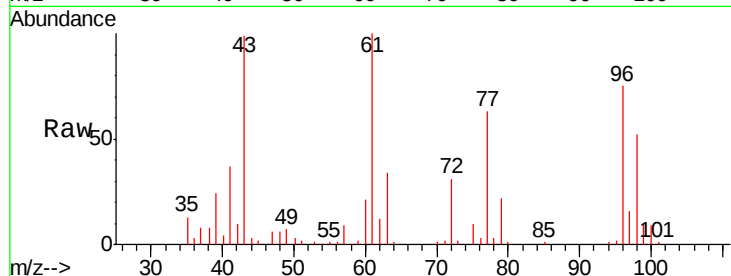
72 31.1 23.4 35.2

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:23 PM



#26

2,2-Dichloropropane

Concen: 57.613 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007657.D

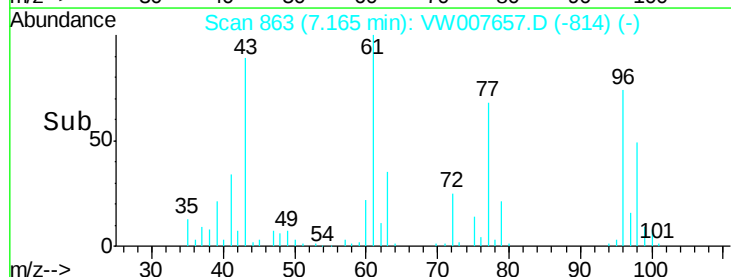
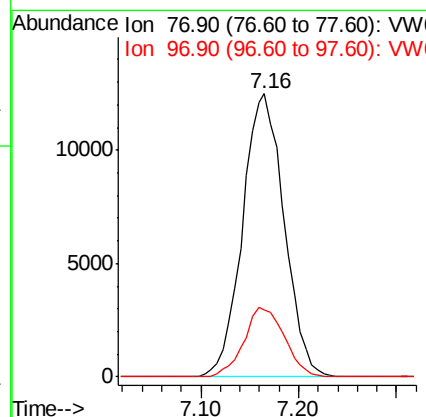
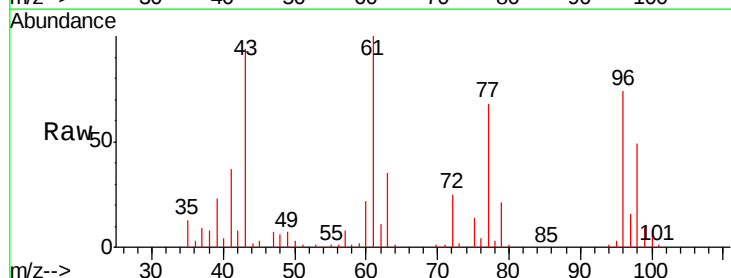
Acq: 18 Dec 2018 14:43

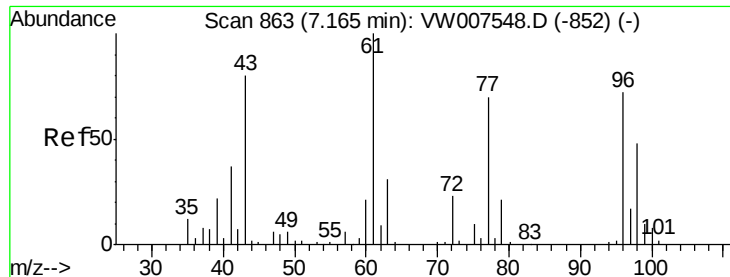
Tgt Ion: 77 Resp: 36753

Ion Ratio Lower Upper

77 100

97 24.0 11.6 34.8





#27

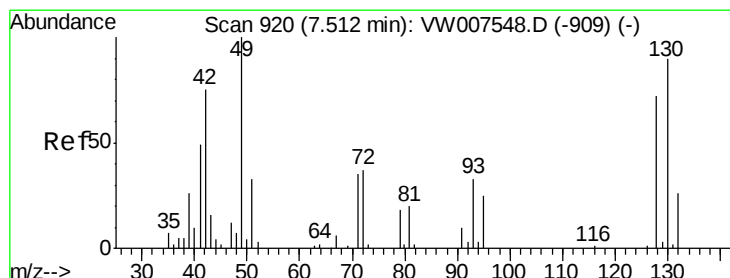
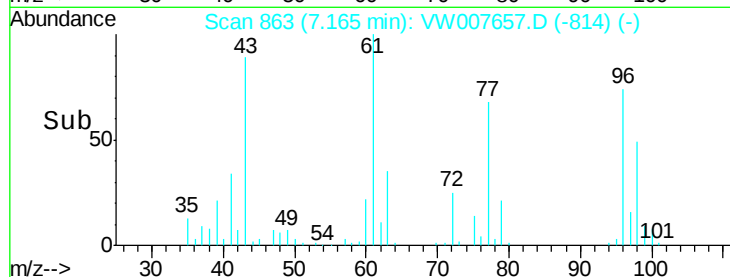
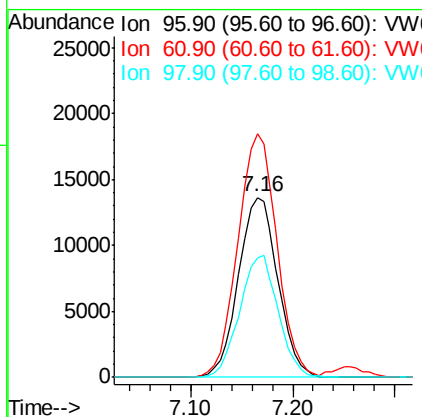
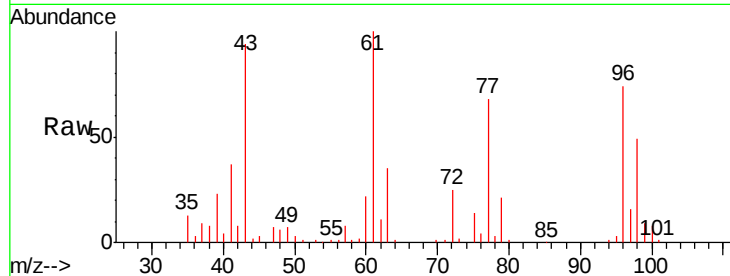
cis-1,2-Dichloroethene
Concen: 59.112 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.2	0.0	268.4
98	66.0	0.0	127.8

Manual Integrations
APPROVED

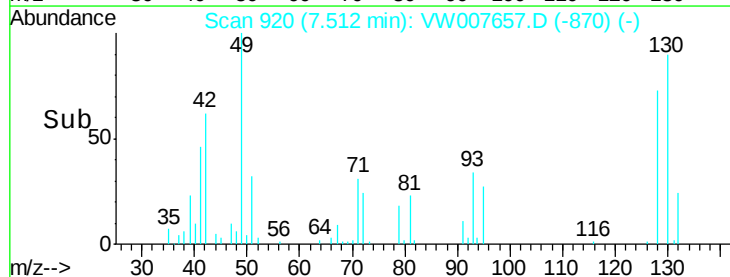
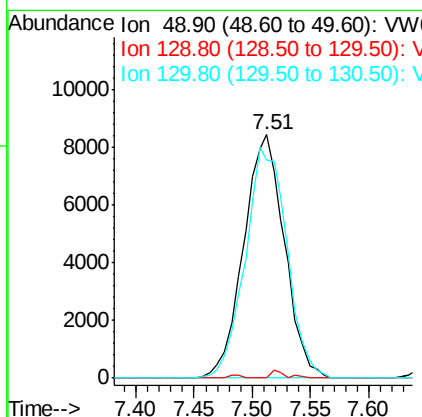
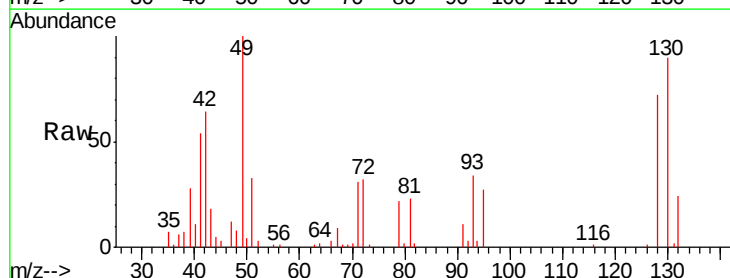
apatel
12/19/2018 12:15:23 PM

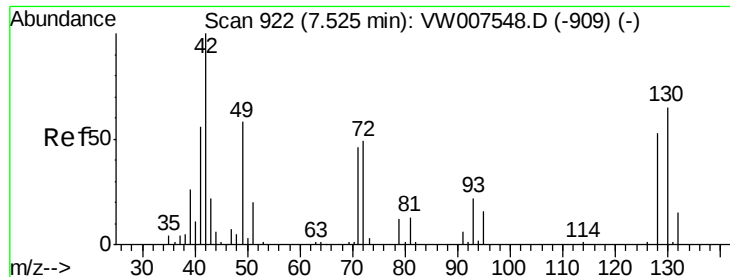


#28

Bromochloromethane
Concen: 56.738 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.6
130	96.7	75.9	113.9





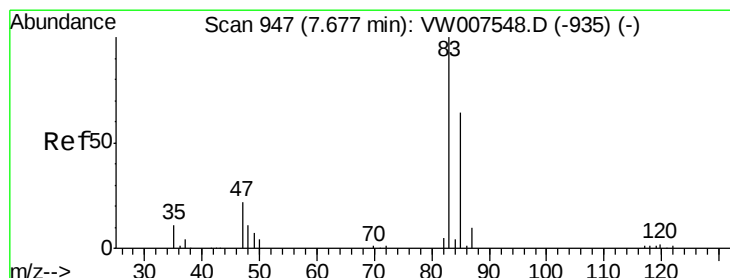
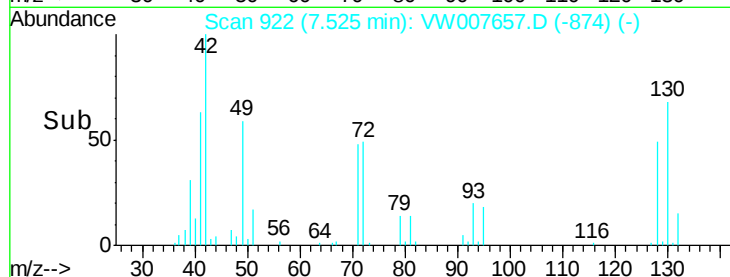
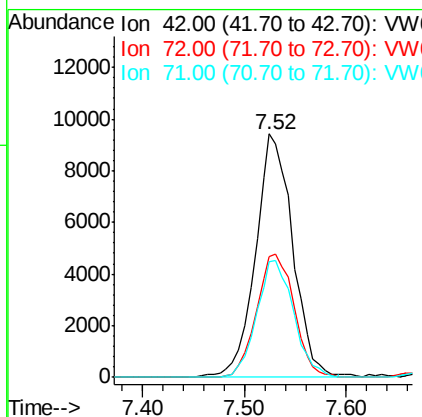
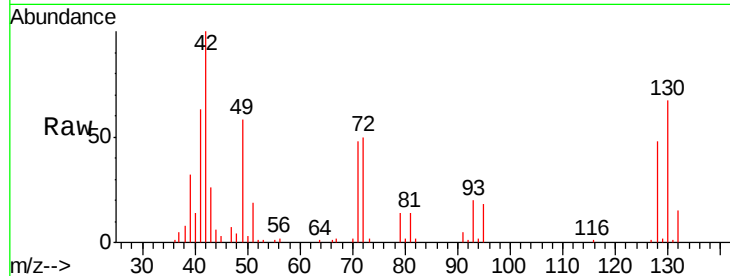
#29
Tetrahydrofuran
Concen: 289.703 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	51.3	38.2	57.4
71	47.7	35.5	53.3

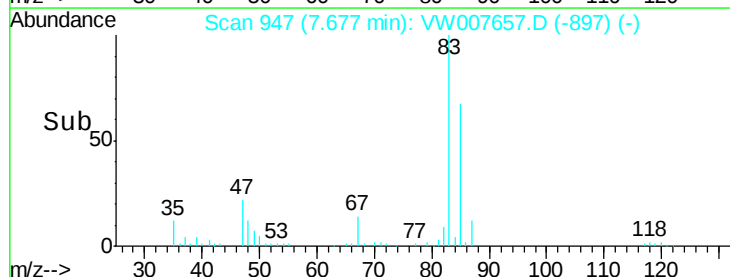
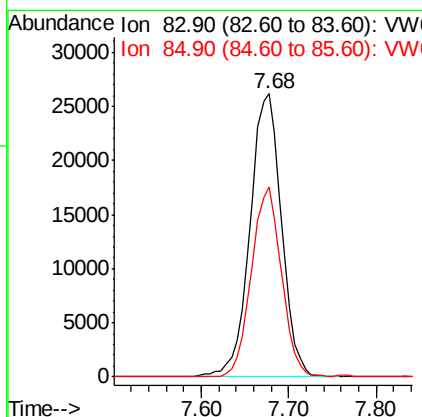
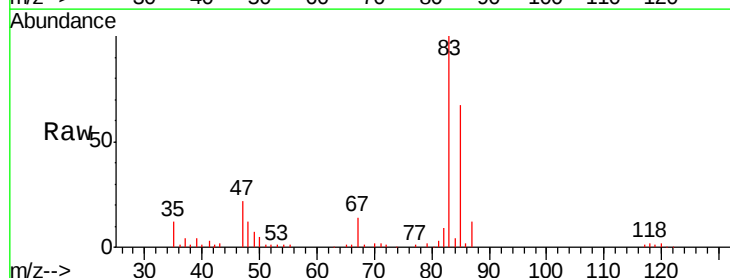
Manual Integrations
APPROVED

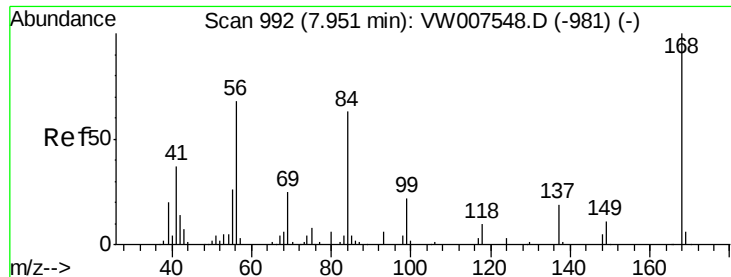
apatel
12/19/2018 12:15:23 PM



#30
Chloroform
Concen: 62.502 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.8	77.8





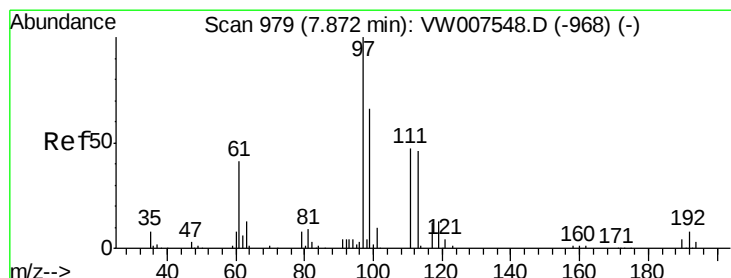
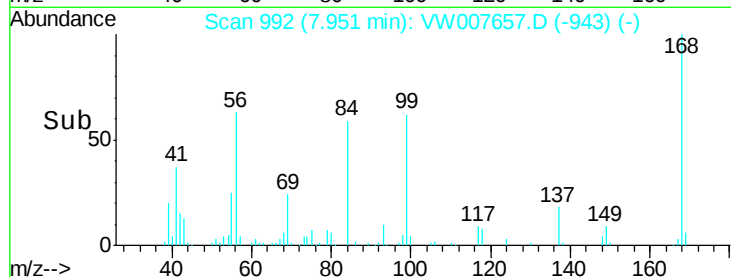
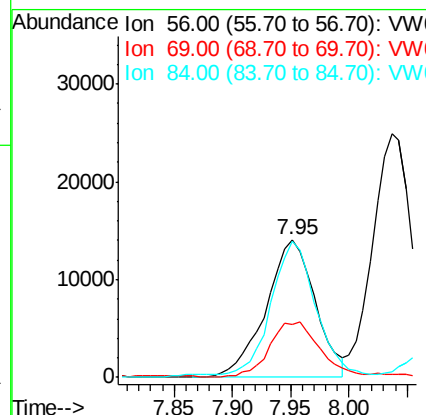
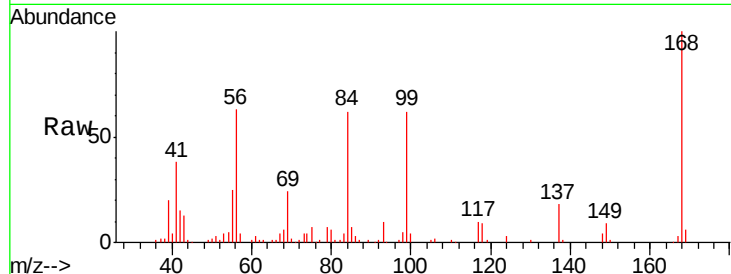
#31
Cyclohexane
Concen: 46.652 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.5	28.9	43.3
84	95.9	71.8	107.6

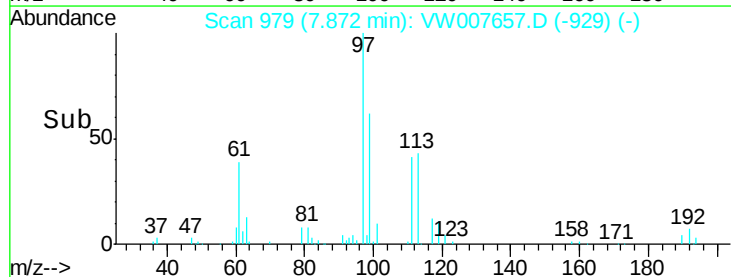
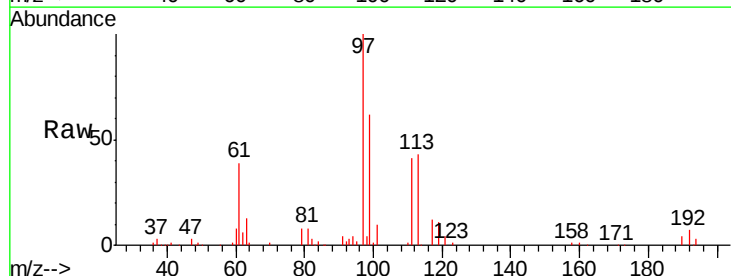
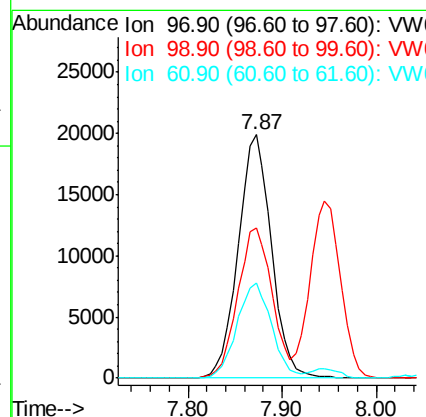
Manual Integrations
APPROVED

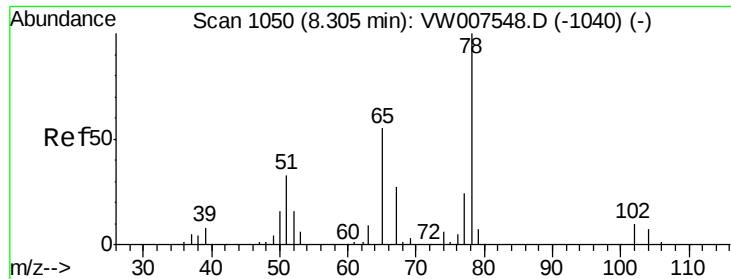
apatel
12/19/2018 12:15:23 PM



#32
1,1,1-Trichloroethane
Concen: 53.274 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	40.7	33.2	49.8





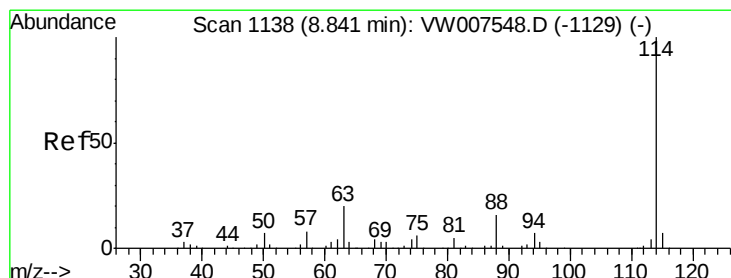
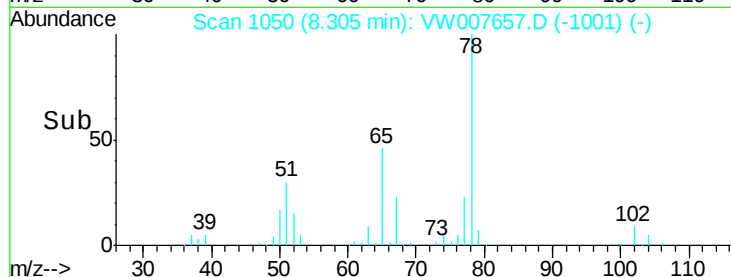
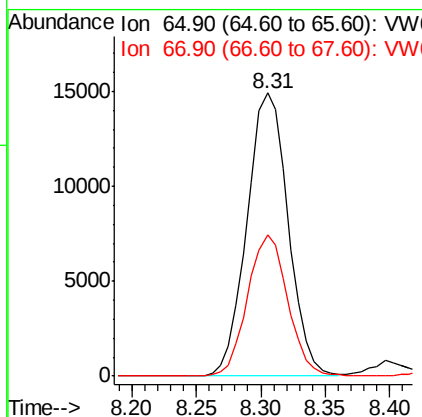
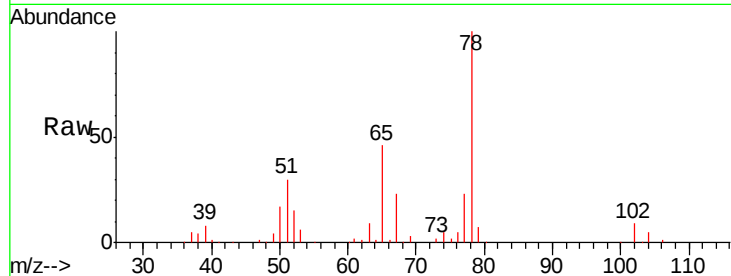
#33
 1,2-Dichloroethane-d4
 Concen: 58.012 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	33025		
67	48.4	0.0	101.6	

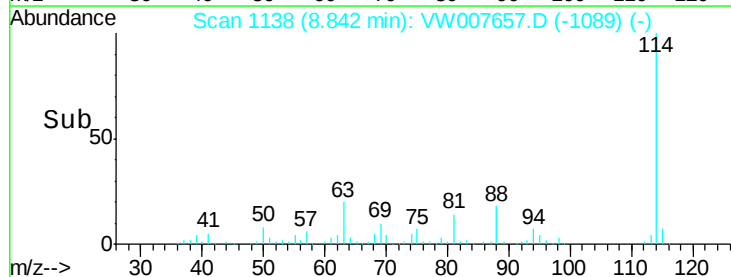
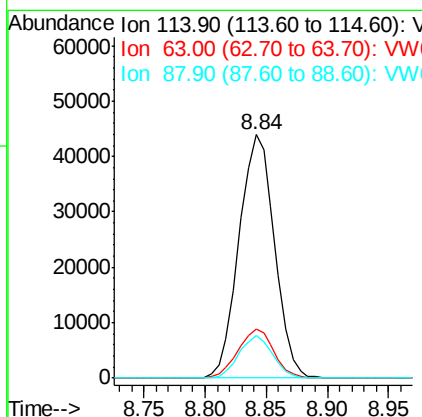
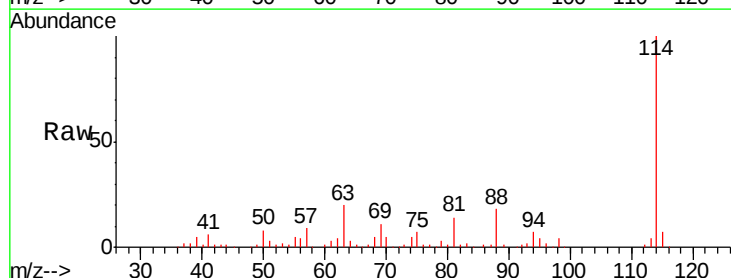
Manual Integrations
 APPROVED

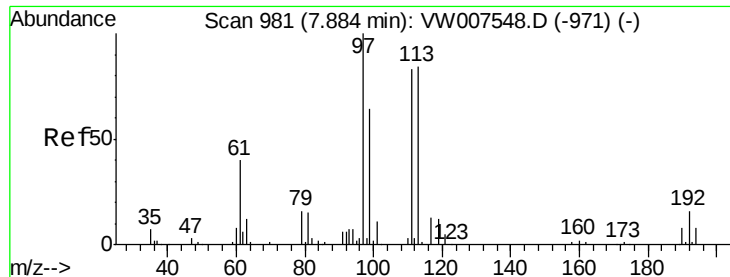
apatel
 12/19/2018 12:15:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	88360		
63	20.2	0.0	39.6	
88	17.7	0.0	31.4	





#35

Dibromofluoromethane

Concen: 46.543 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

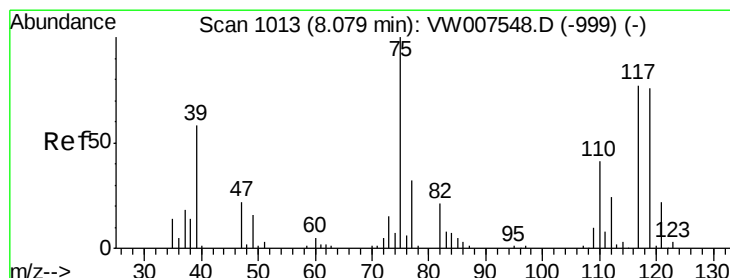
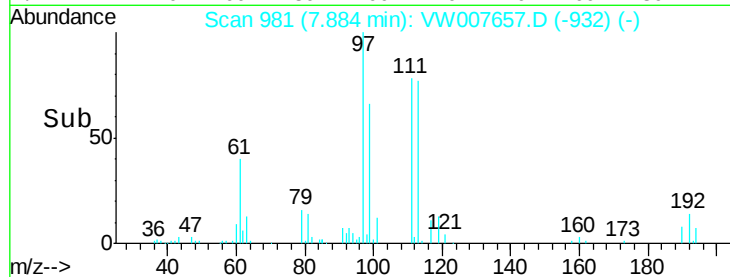
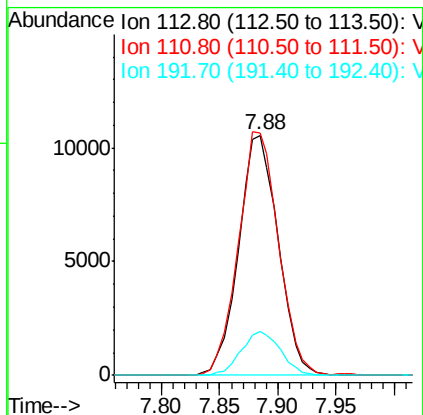
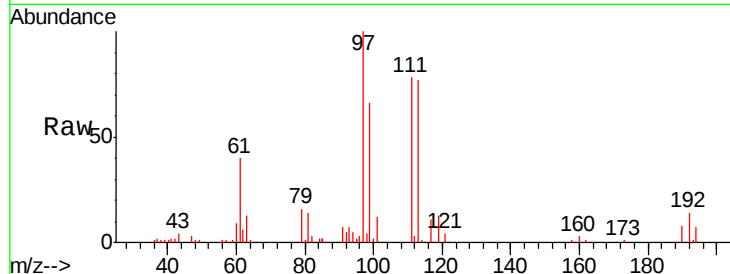
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion:	113	Resp:	24895
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.1	121.7
192	18.2	14.6	21.8

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#36

1,1-Dichloropropene

Concen: 45.203 ug/l

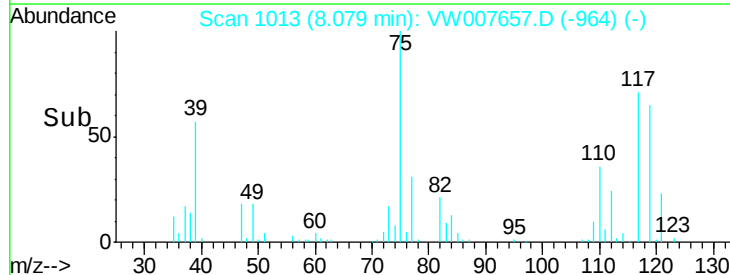
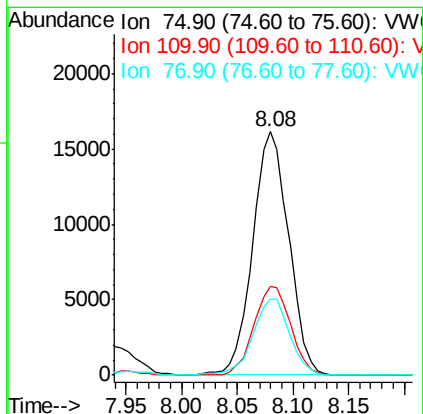
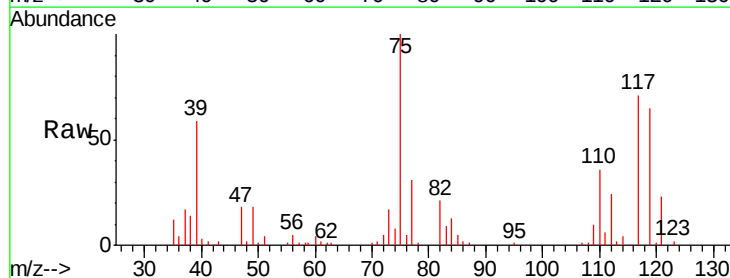
RT: 8.08 min Scan# 1013

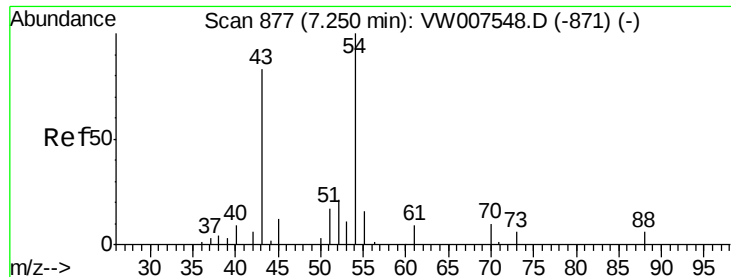
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion:	75	Resp:	36436
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.5	55.5
77	31.9	25.6	38.4





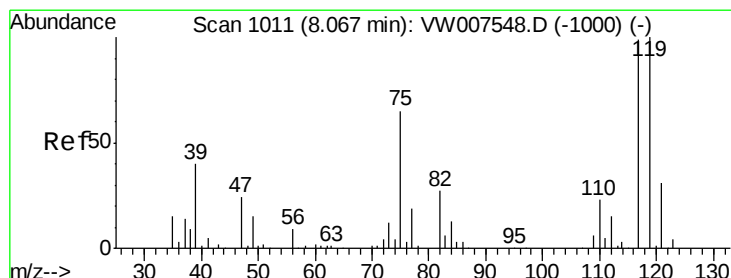
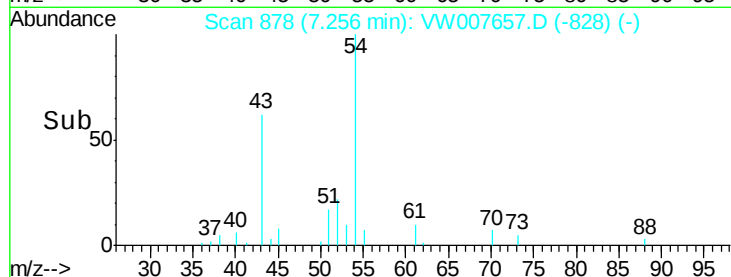
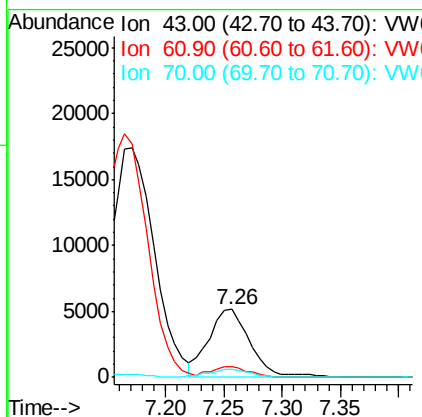
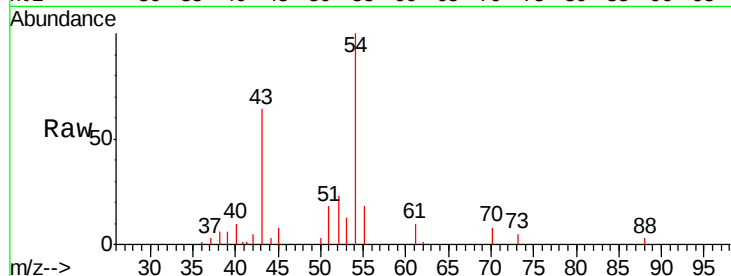
#37
Ethyl Acetate
Concen: 42.952 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.1	18.1
70	11.7	10.0	15.0

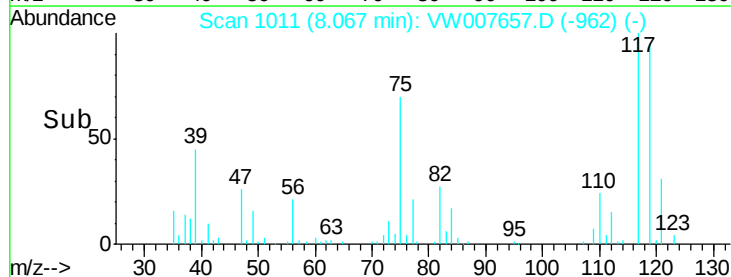
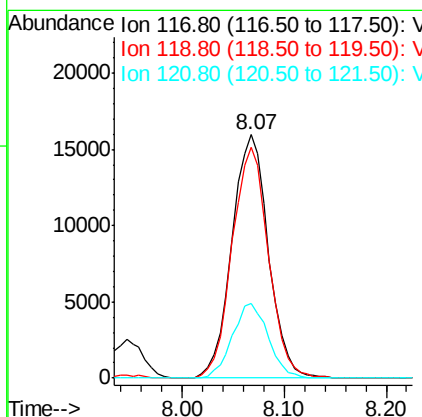
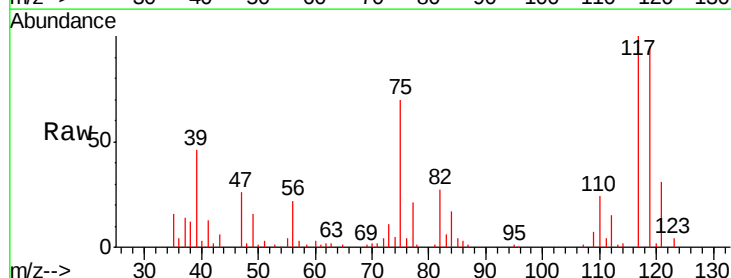
Manual Integrations
APPROVED

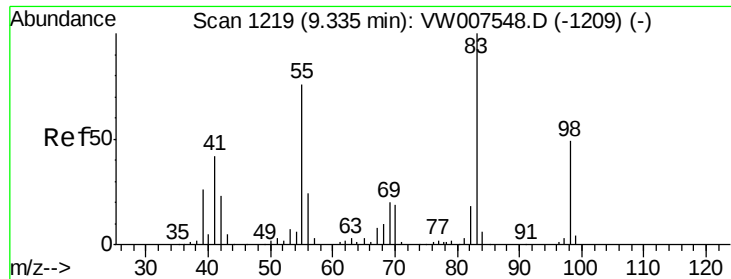
apatel
12/19/2018 12:15:23 PM



#38
Carbon Tetrachloride
Concen: 45.068 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.3	111.5
121	30.8	24.3	36.5





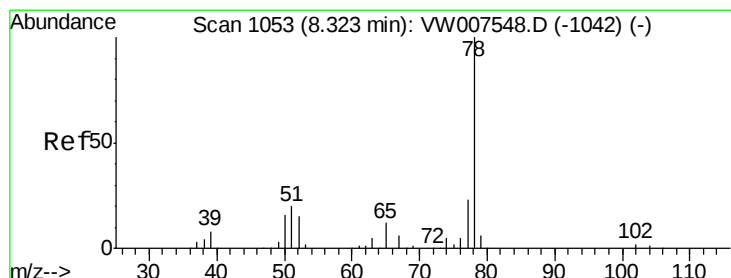
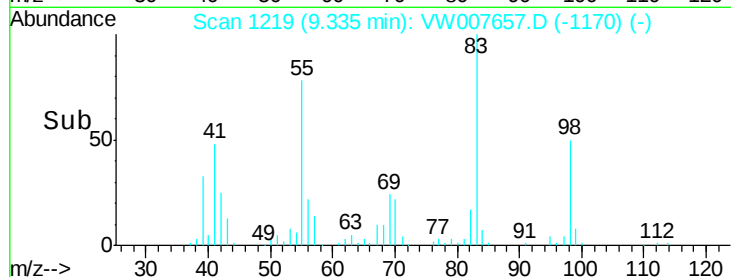
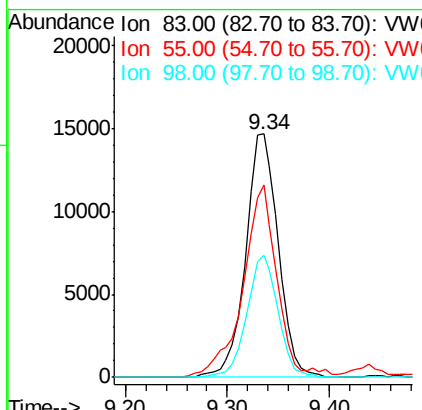
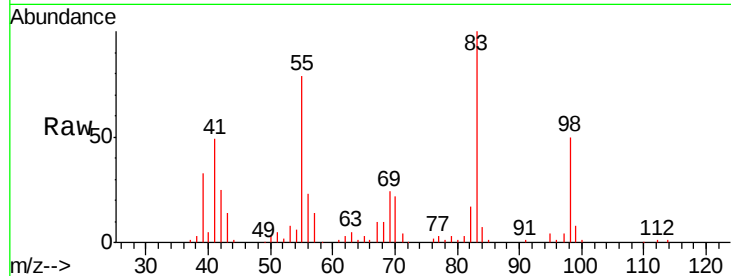
#39
Methylcyclohexane
Concen: 33.425 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.8	94.2
98	50.2	42.2	63.2

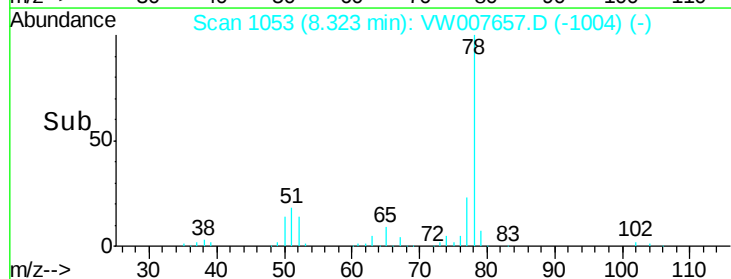
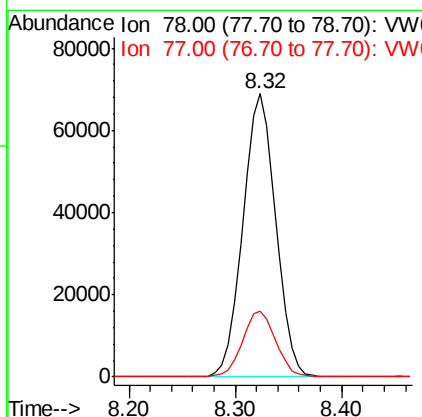
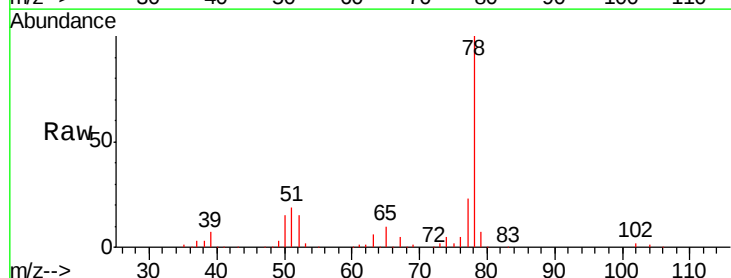
Manual Integrations
APPROVED

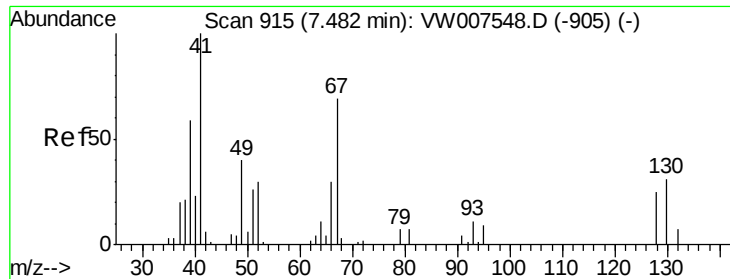
apatel
12/19/2018 12:15:23 PM



#40
Benzene
Concen: 66.628 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





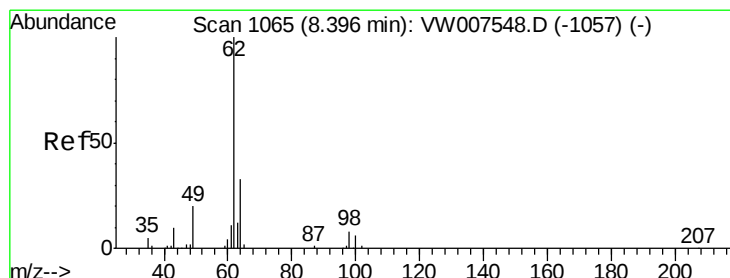
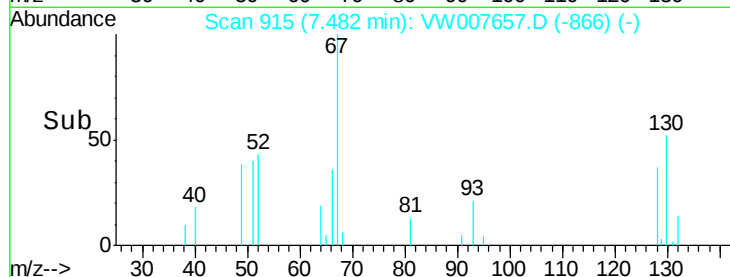
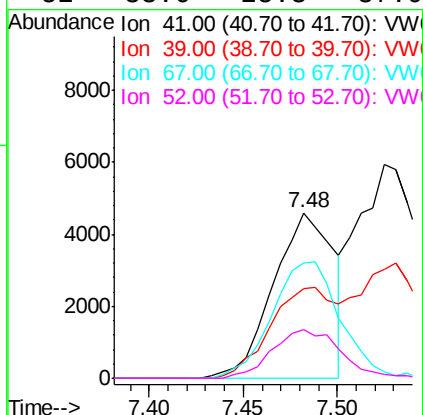
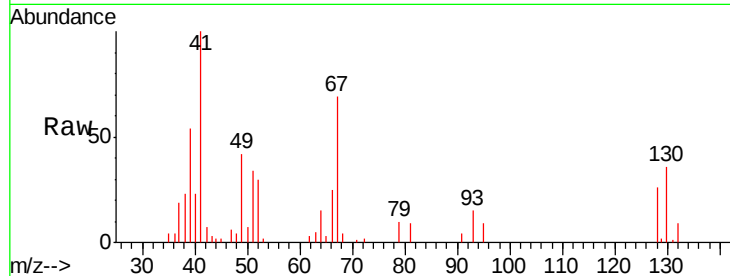
#41
Methacrylonitrile
Concen: 59.565 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion:	41	Resp:	10169
Ion	Ratio	Lower	Upper
41	100		
39	59.1	52.2	78.2
67	79.3	60.5	90.7
52	33.6	25.3	37.9

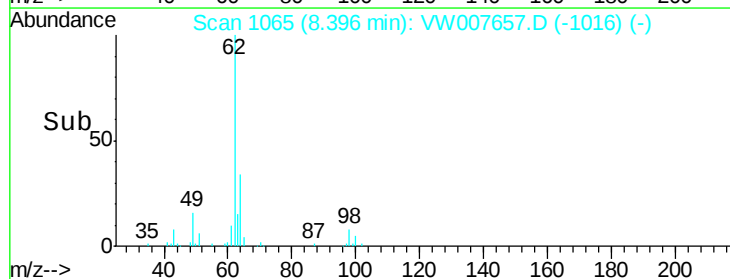
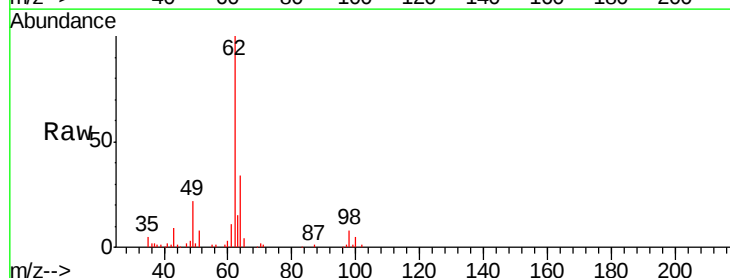
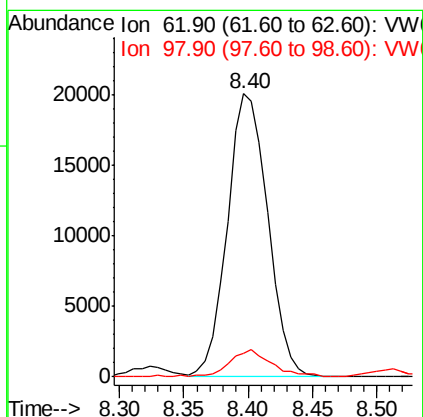
Manual Integrations
APPROVED

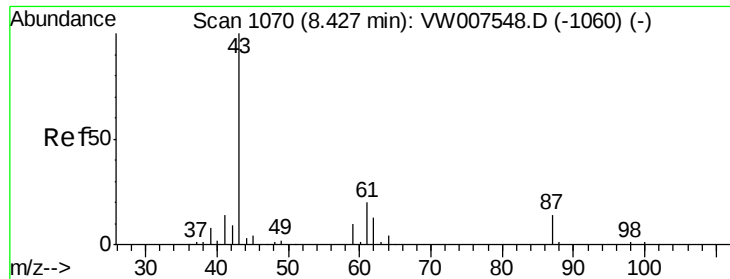
apatel
12/19/2018 12:15:23 PM



#42
1,2-Dichloroethane
Concen: 62.204 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion:	62	Resp:	43710
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	17.6





#43

Isopropyl Acetate

Concen: 54.073 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

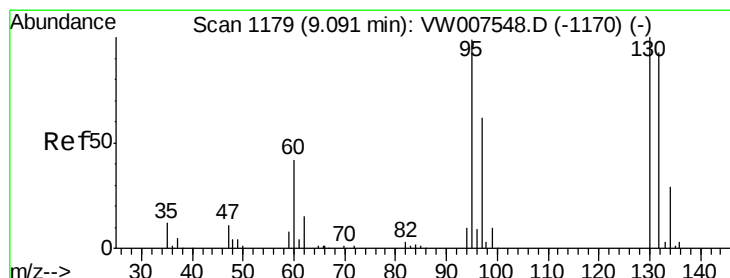
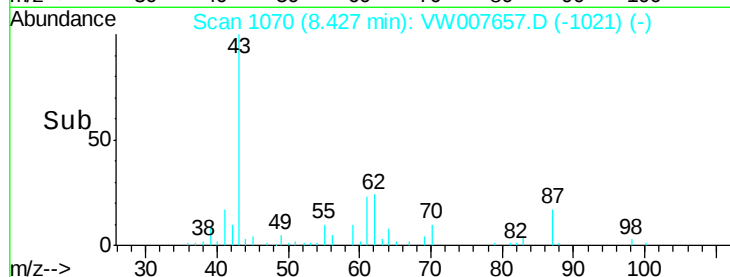
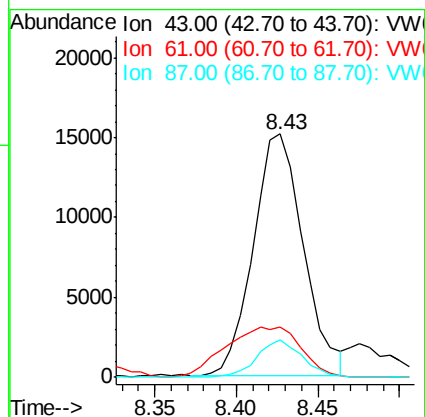
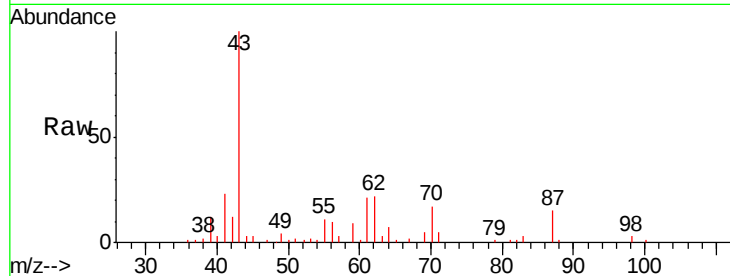
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion:	43	Resp:	32022
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.3	37.9
87	14.1	11.8	17.8

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#44

Trichloroethene

Concen: 78.201 ug/l

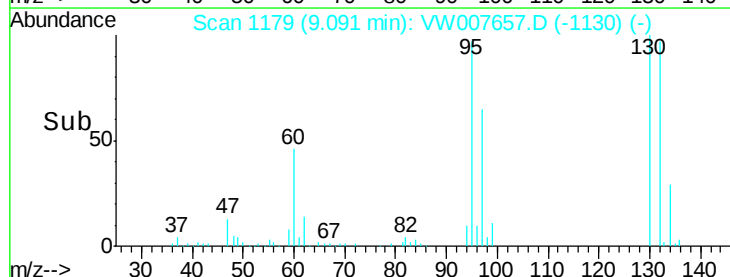
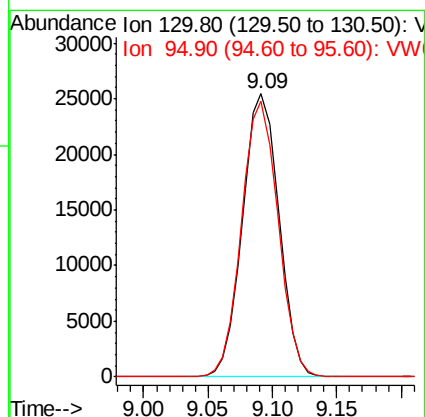
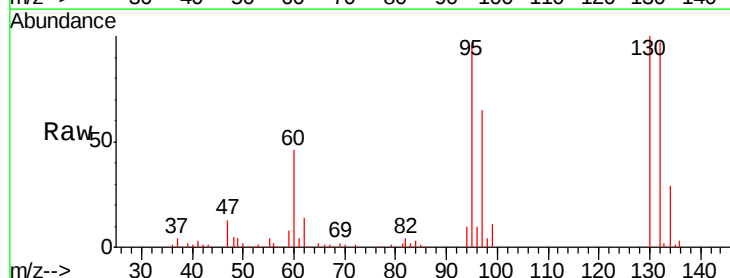
RT: 9.09 min Scan# 1179

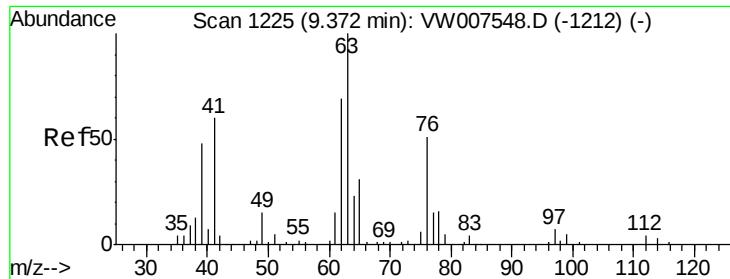
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion:	130	Resp:	49953
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	193.2





#45

1,2-Dichloropropane

Concen: 55.273 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion: 63 Resp: 28612

Ion Ratio Lower Upper

63 100

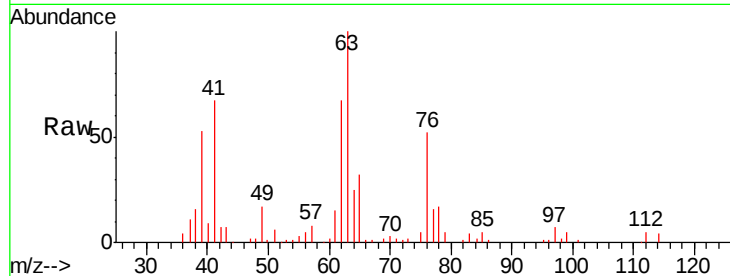
65 31.9 24.4 36.6

Manual Integrations

APPROVED

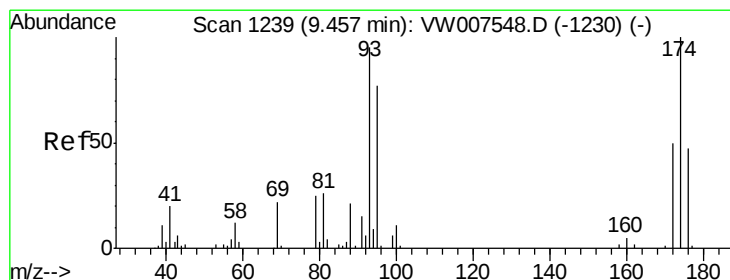
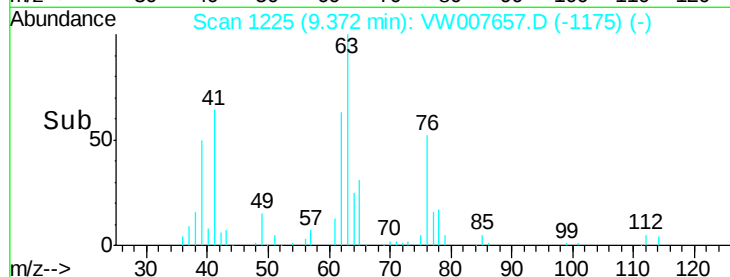
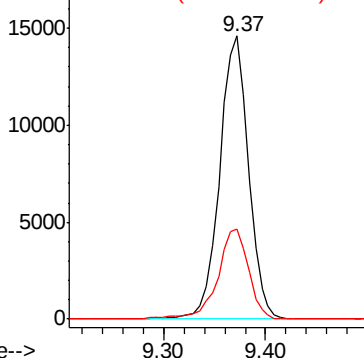
apatel

12/19/2018 12:15:23 PM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 58.959 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

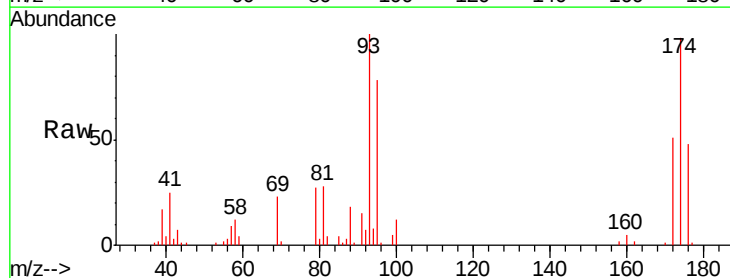
Tgt Ion: 93 Resp: 17332

Ion Ratio Lower Upper

93 100

95 83.4 68.0 102.0

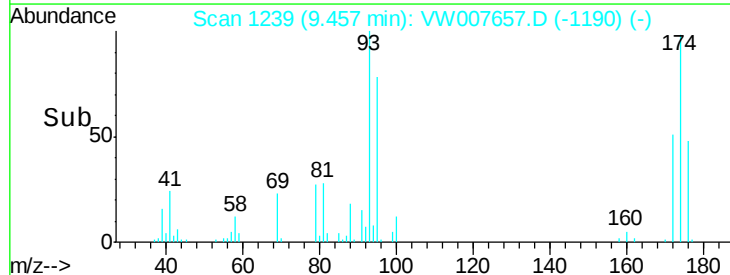
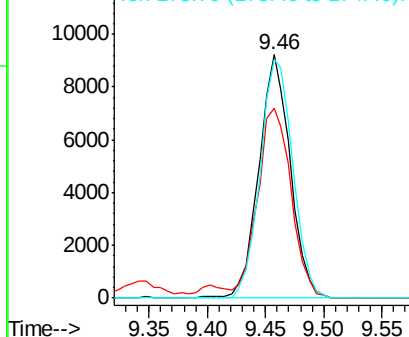
174 101.7 83.2 124.8

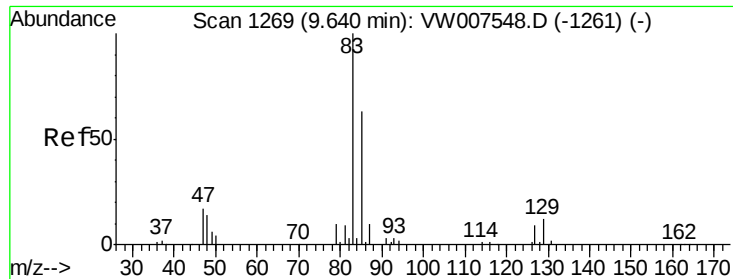


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





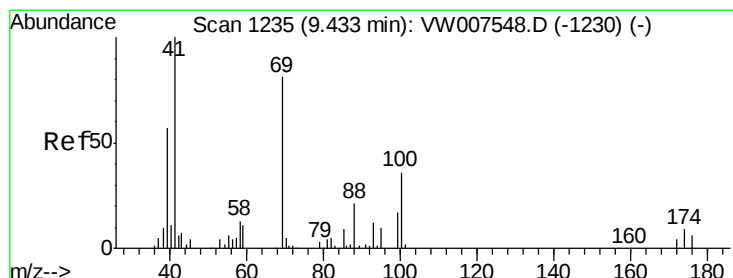
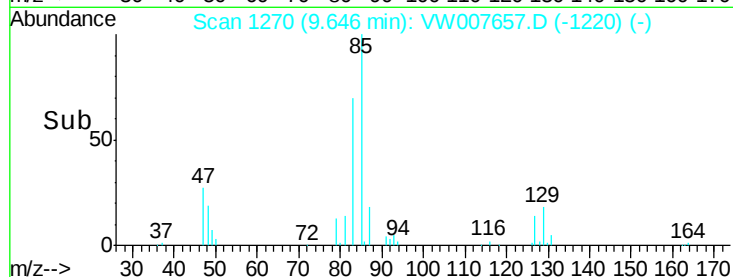
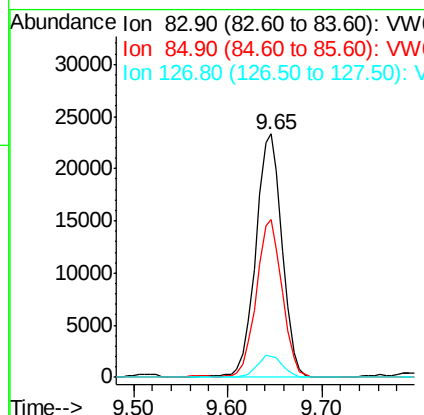
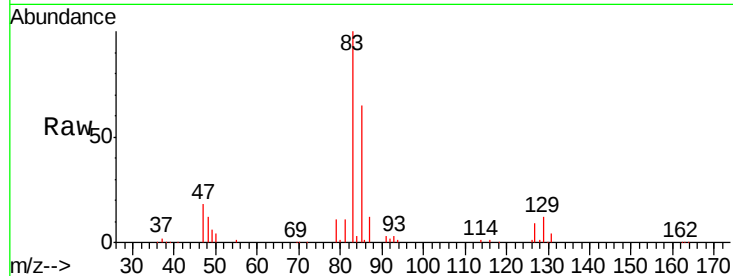
#47
Bromodichloromethane
Concen: 59.555 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	45922		
85	64.8	47.6	71.4	
127	8.7	6.7	10.1	

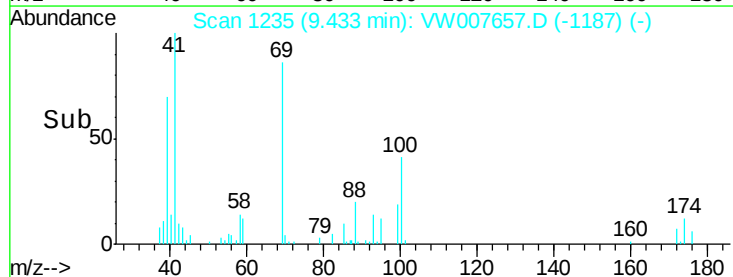
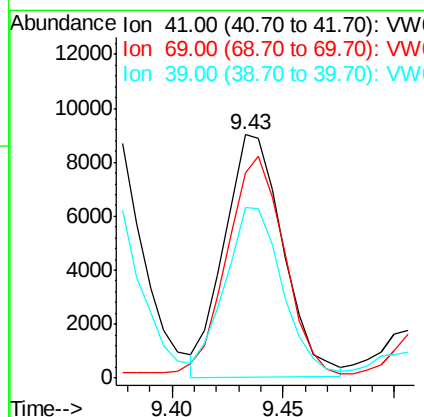
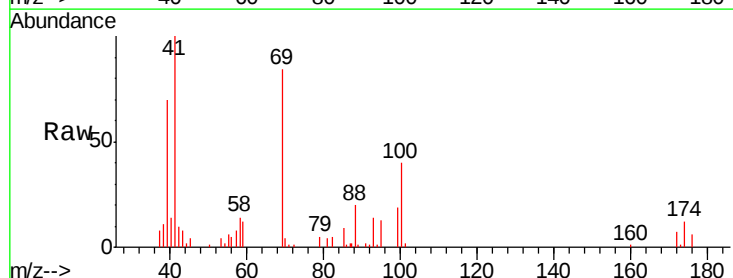
Manual Integrations
APPROVED

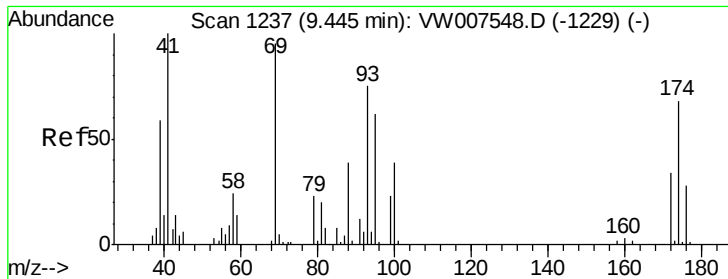
apatel
12/19/2018 12:15:23 PM



#48
Methyl methacrylate
Concen: 54.271 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	16506		
69	90.4	69.8	104.8	
39	68.9	50.9	76.3	





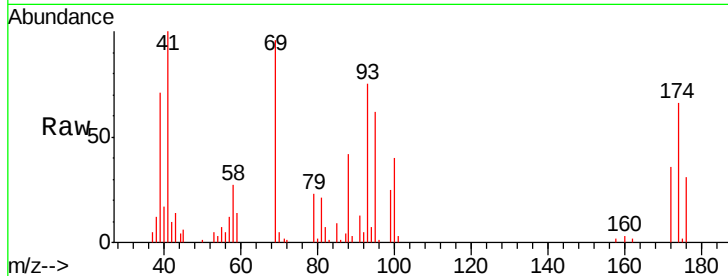
#49
1,4-Dioxane
Concen: 1167.970 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.0	25.0	37.4#
58	71.1	51.4	77.2

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM

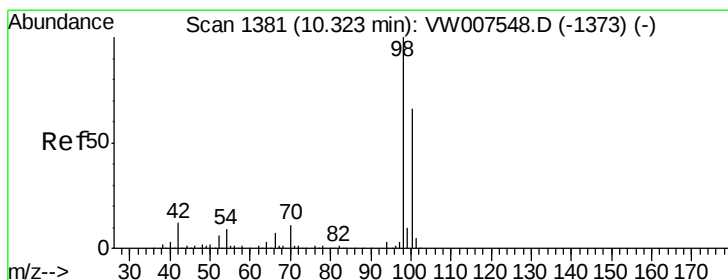
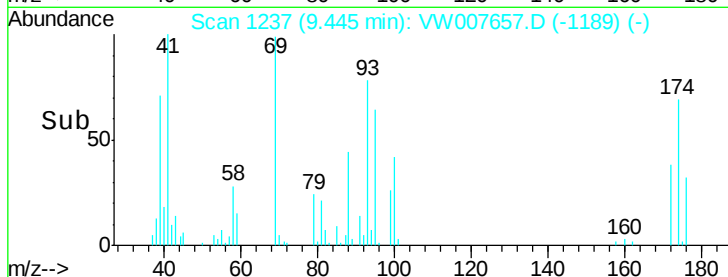
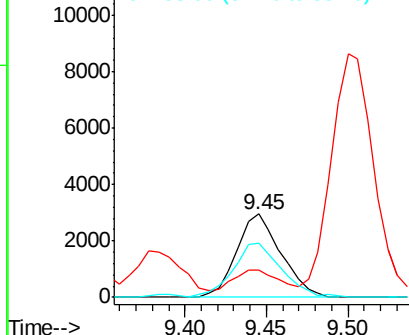


Abundance

Ion 88.00 (87.70 to 88.70): VW

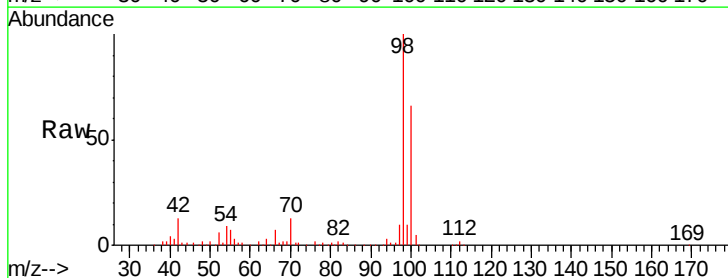
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 42.699 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

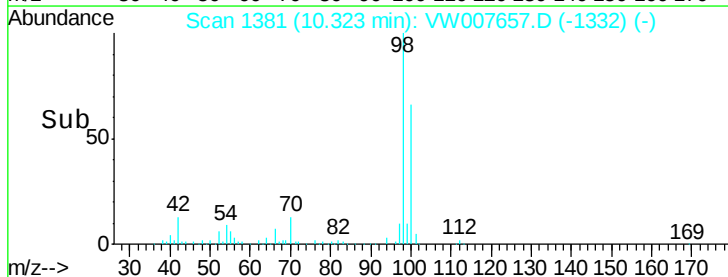
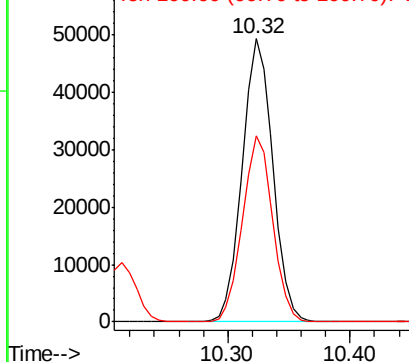
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8

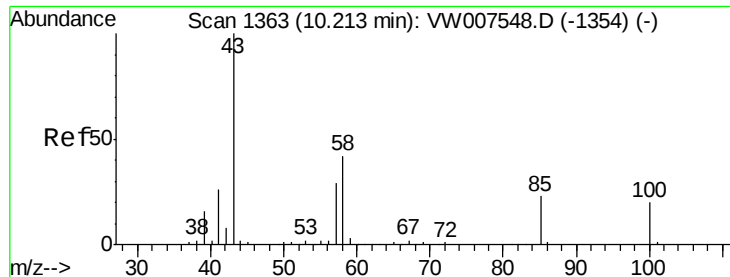


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 329.139 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion: 43 Resp: 92097

Ion Ratio Lower Upper

43 100

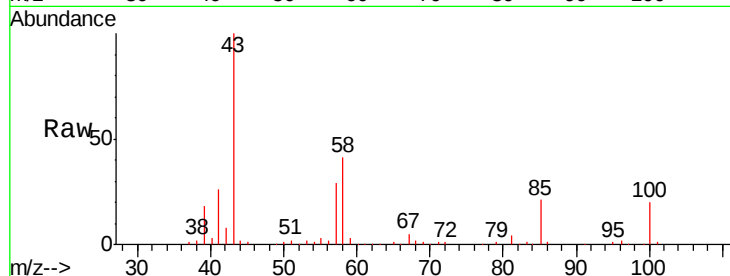
58 41.4 33.1 49.7

Manual Integrations

APPROVED

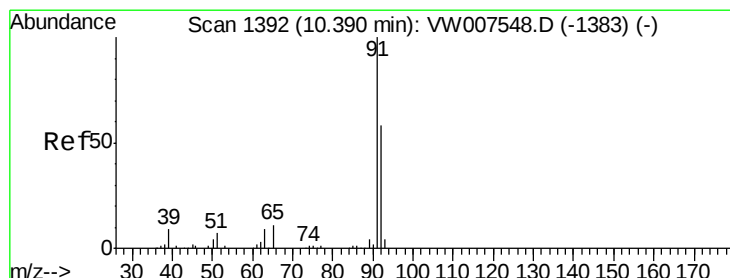
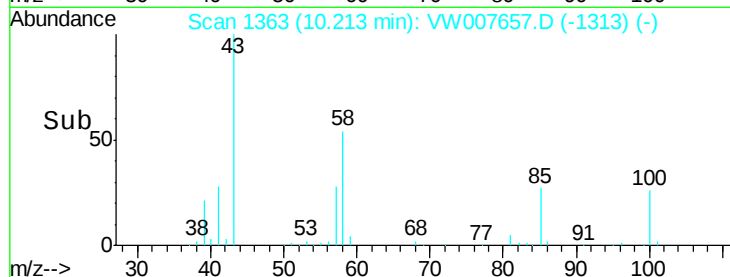
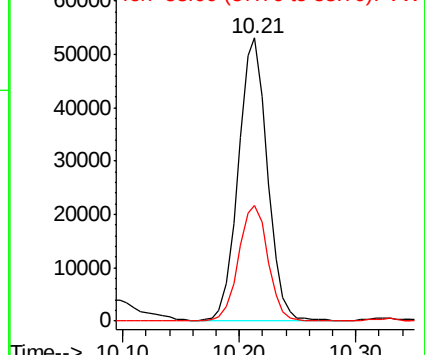
apatel

12/19/2018 12:15:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 354.676 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007657.D

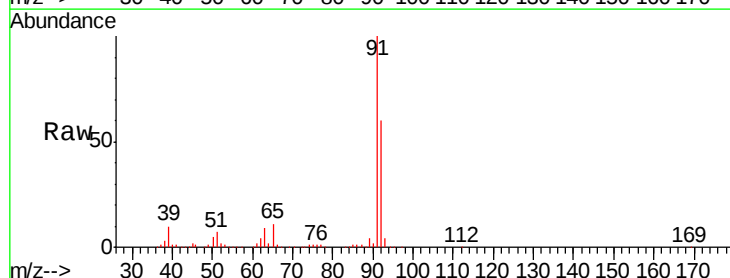
Acq: 18 Dec 2018 14:43

Tgt Ion: 92 Resp: 513437

Ion Ratio Lower Upper

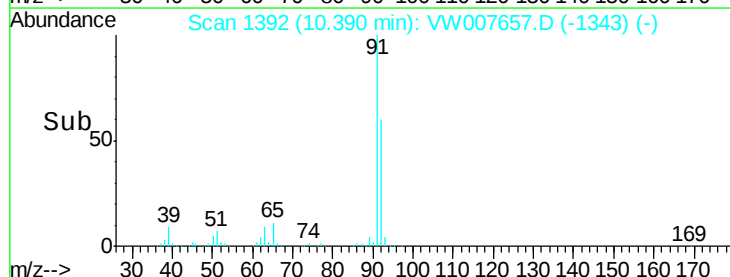
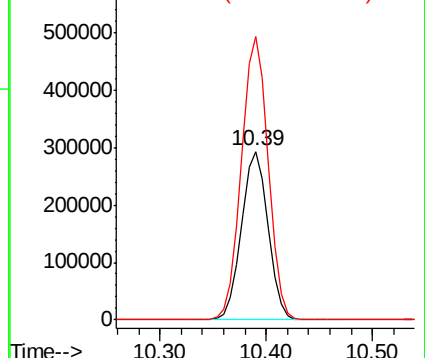
92 100

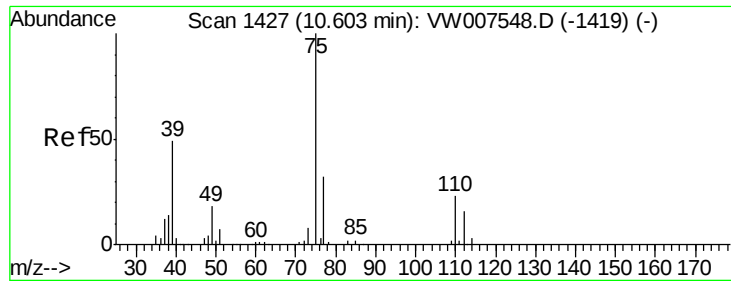
91 169.5 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





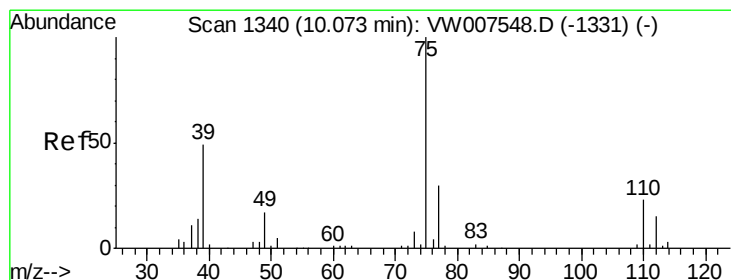
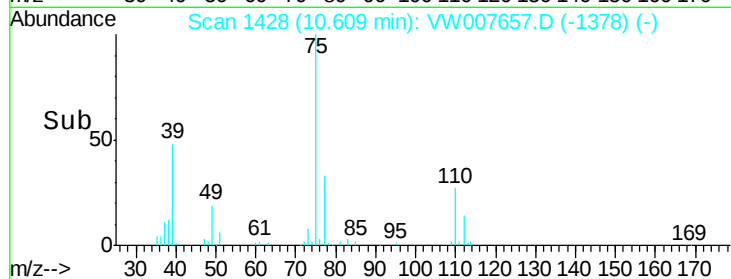
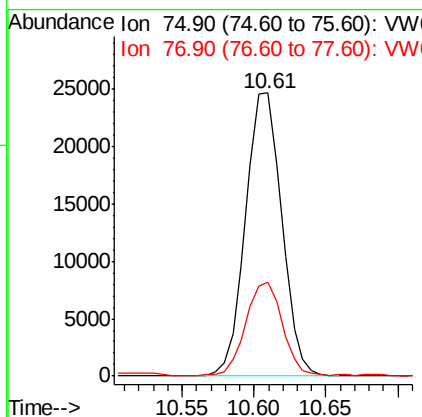
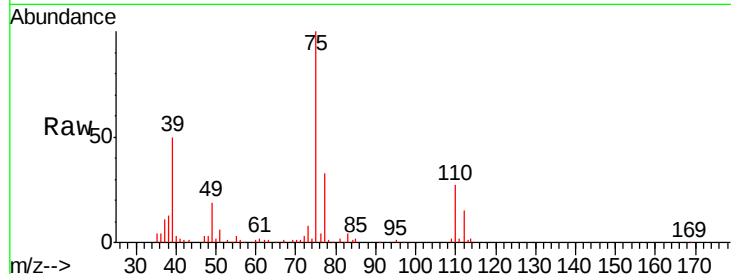
#53
t-1,3-Dichloropropene
Concen: 57.328 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion: 75 Resp: 42915
Ion Ratio Lower Upper
75 100
77 33.0 26.2 39.4

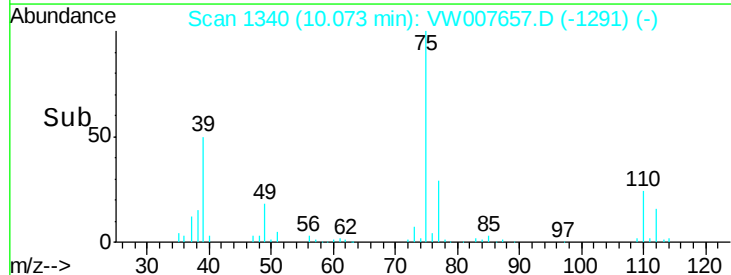
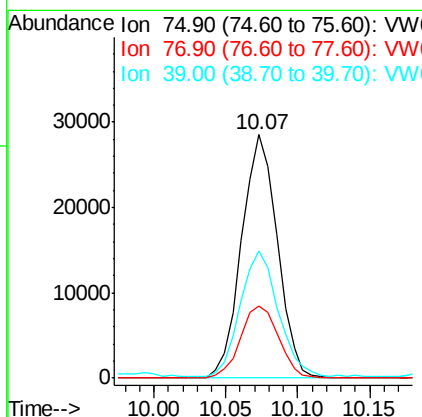
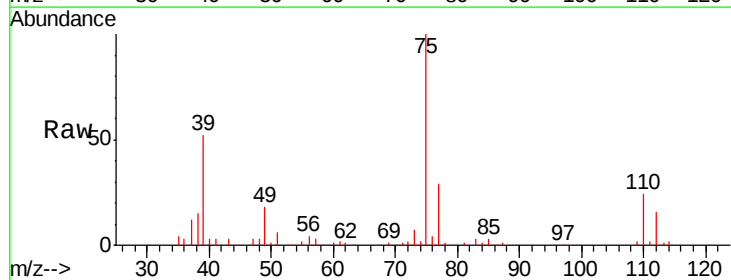
Manual Integrations
APPROVED

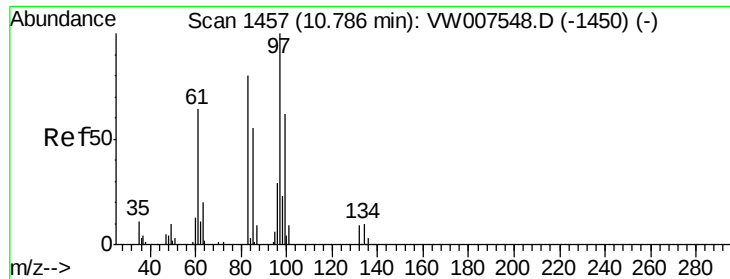
apatel
12/19/2018 12:15:23 PM



#54
cis-1,3-Dichloropropene
Concen: 56.772 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 75 Resp: 49129
Ion Ratio Lower Upper
75 100
77 29.4 24.8 37.2
39 51.7 40.9 61.3





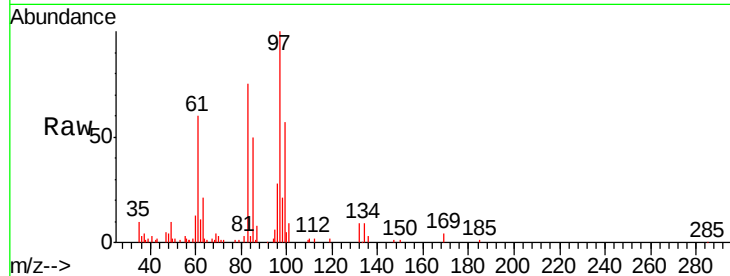
#55
 1,1,2-Trichloroethane
 Concen: 68.372 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		27355		
83	75.1	62.1	93.1		
85	50.3	44.2	66.4		
99	56.9	50.2	75.4		

Manual Integrations
 APPROVED

apatel
 12/19/2018 12:15:23 PM

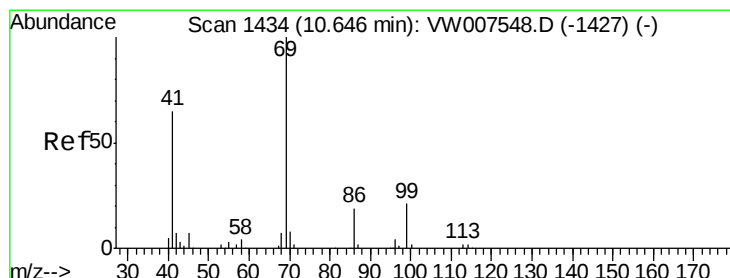
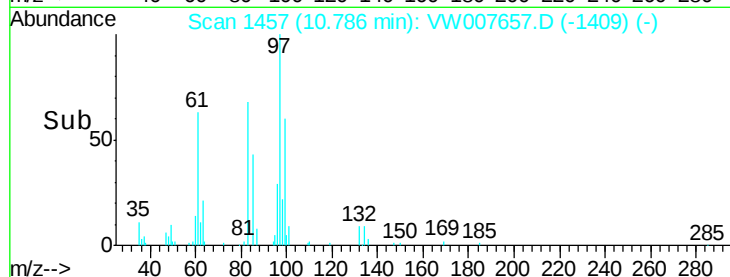
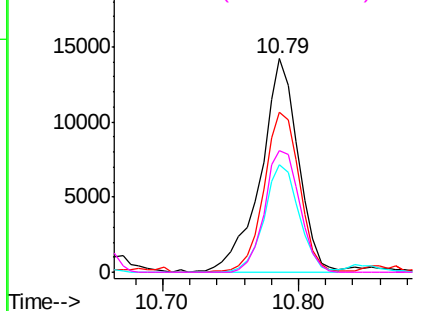


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

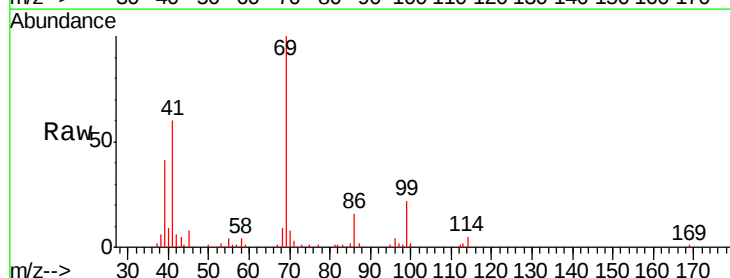
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 59.606 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

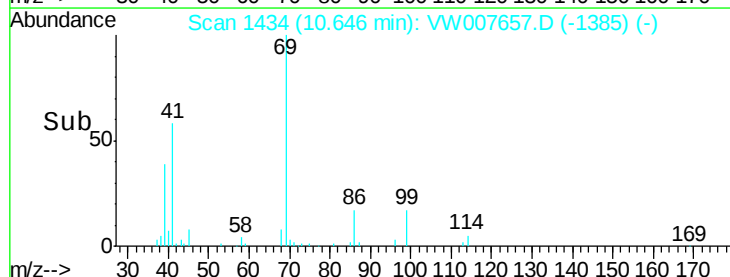
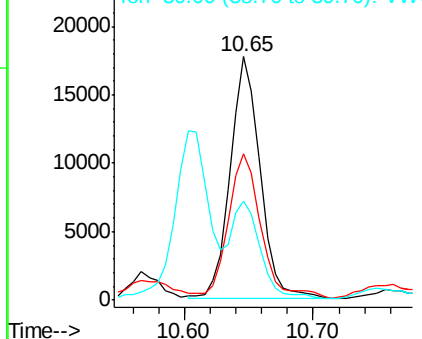
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		28664		
41	65.4	51.0	76.6		
39	40.1	30.8	46.2		

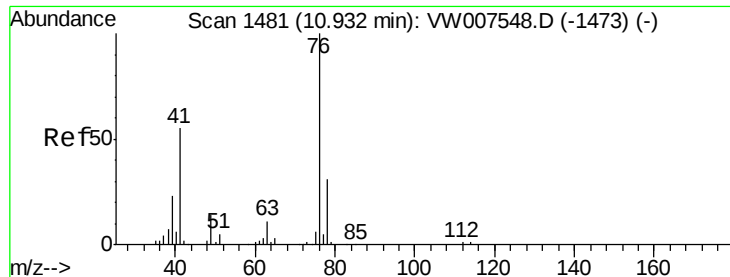


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





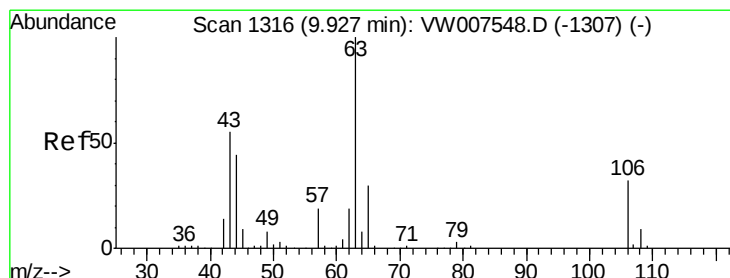
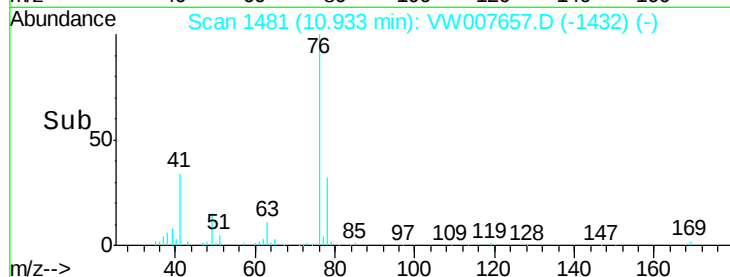
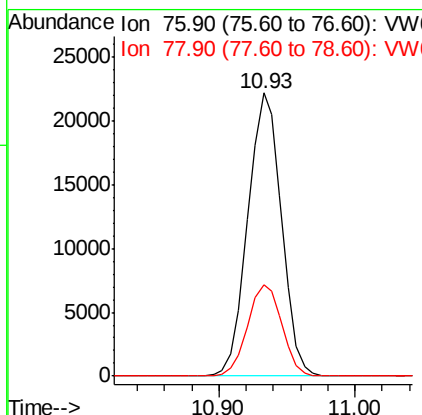
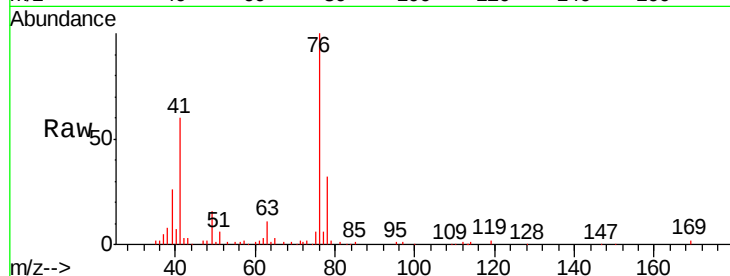
#57
 1,3-Dichloropropane
 Concen: 58.533 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Tgt Ion: 76 Resp: 38438
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.4

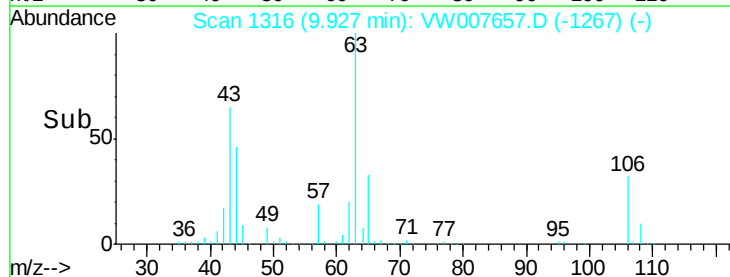
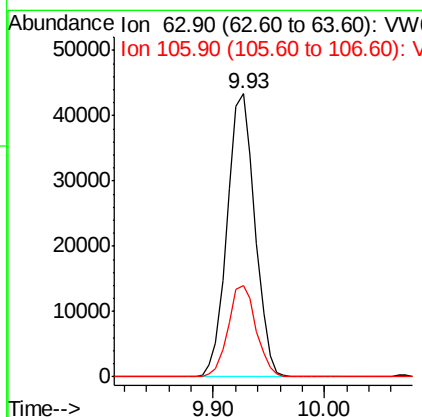
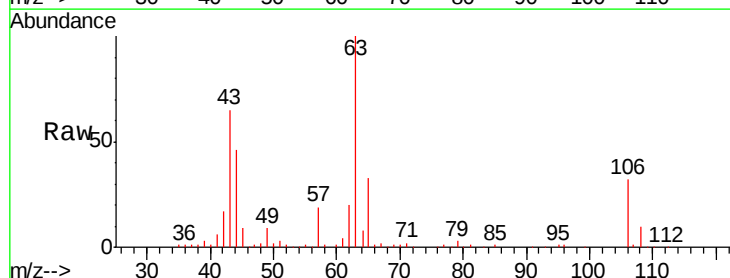
Manual Integrations
 APPROVED

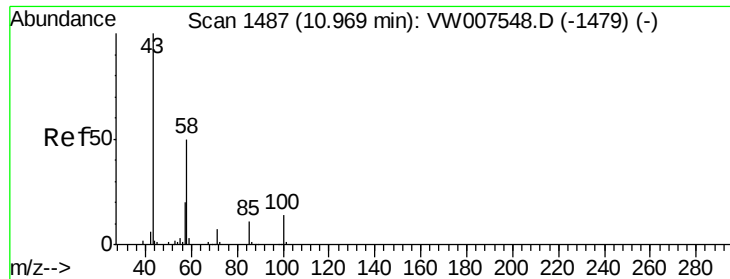
apatel
 12/19/2018 12:15:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 337.771 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion: 63 Resp: 74905
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.0 37.6





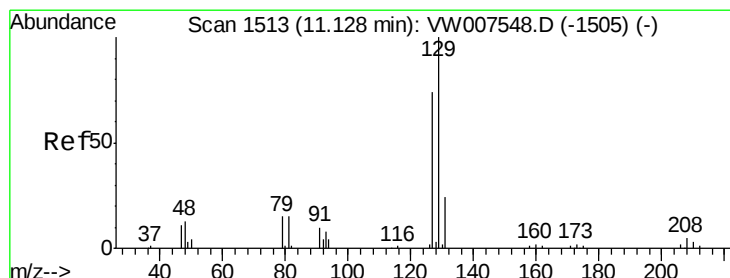
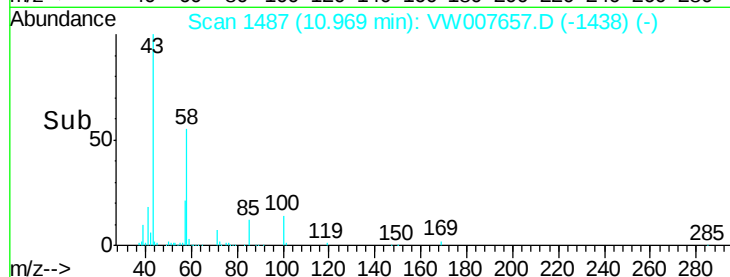
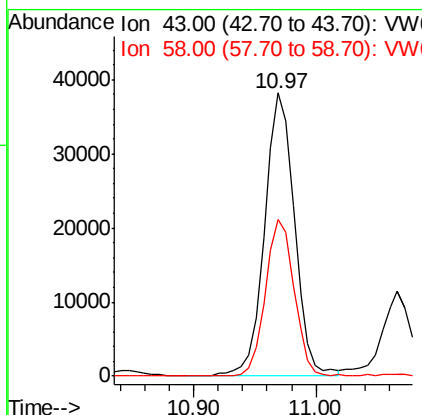
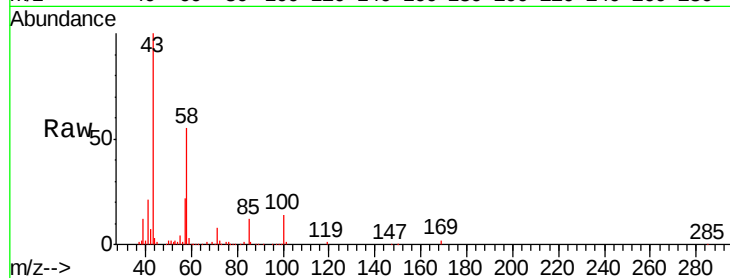
#59
2-Hexanone
Concen: 349.553 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion: 43 Resp: 65219
Ion Ratio Lower Upper
43 100
58 53.1 27.1 81.3

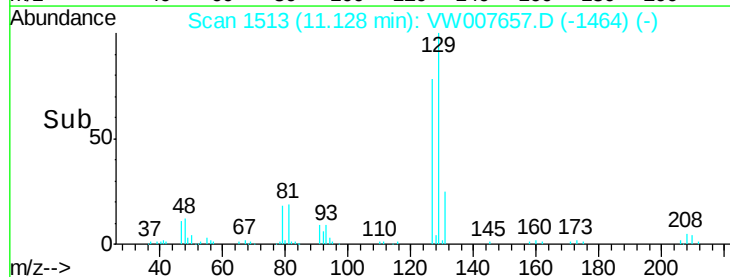
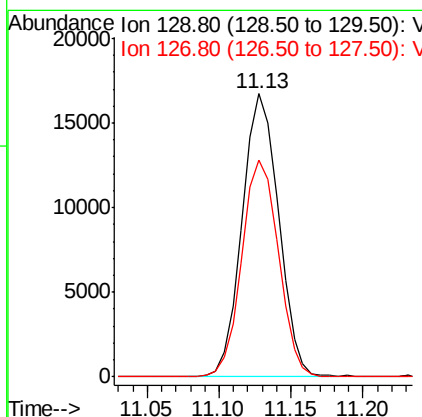
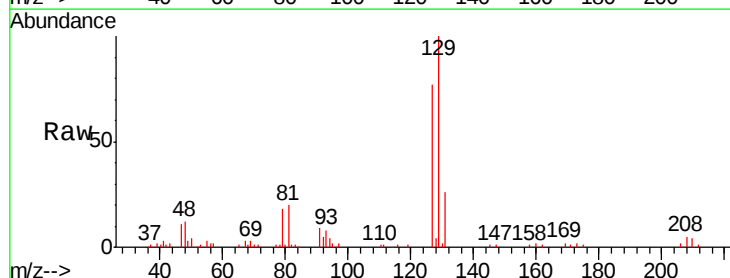
Manual Integrations
APPROVED

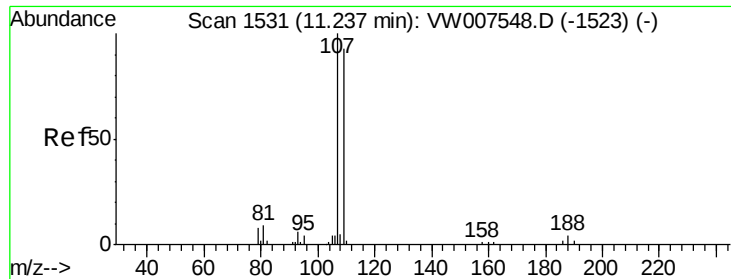
apatel
12/19/2018 12:15:23 PM



#60
Dibromochloromethane
Concen: 58.226 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 129 Resp: 29399
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





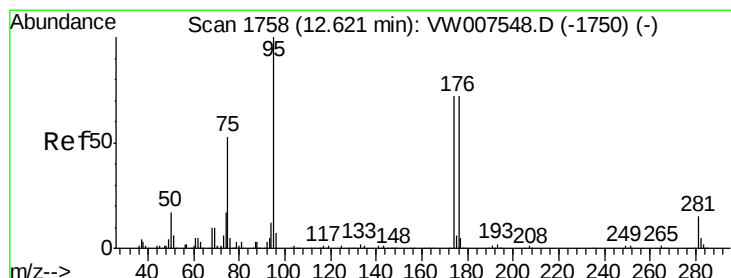
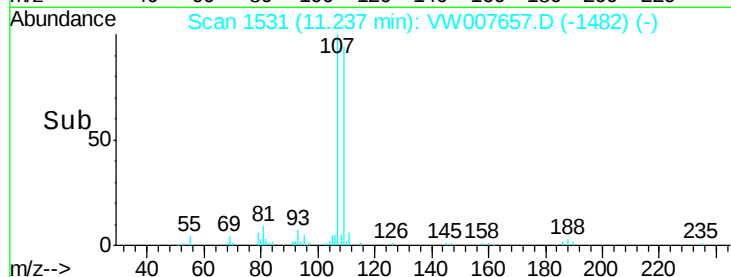
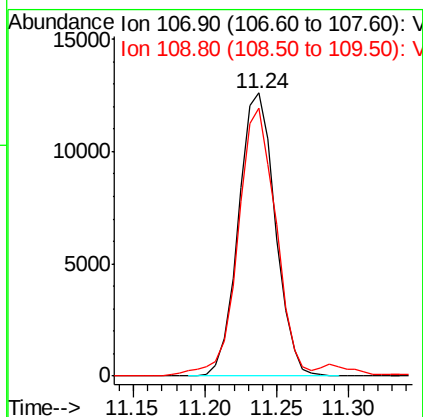
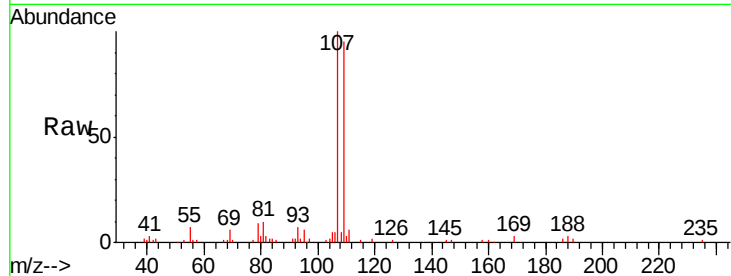
#61
 1,2-Dibromoethane
 Concen: 56.280 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Tgt Ion: 107 Resp: 22252
 Ion Ratio Lower Upper
 107 100
 109 97.6 79.1 118.7

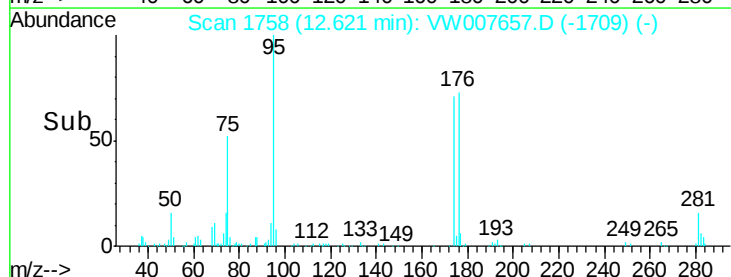
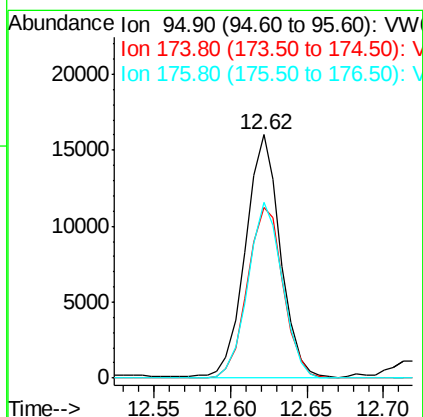
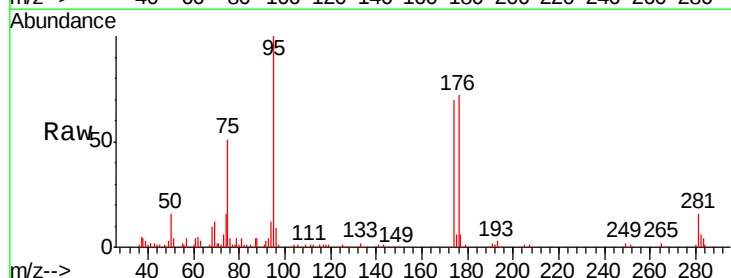
Manual Integrations
 APPROVED

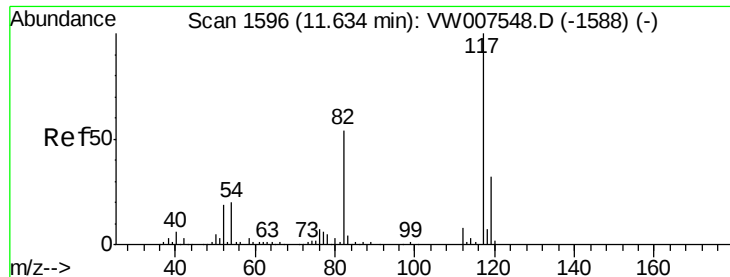
apatel
 12/19/2018 12:15:23 PM



#62
 4-Bromofluorobenzene
 Concen: 34.093 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion: 95 Resp: 25139
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 147.2
 176 71.8 0.0 138.8





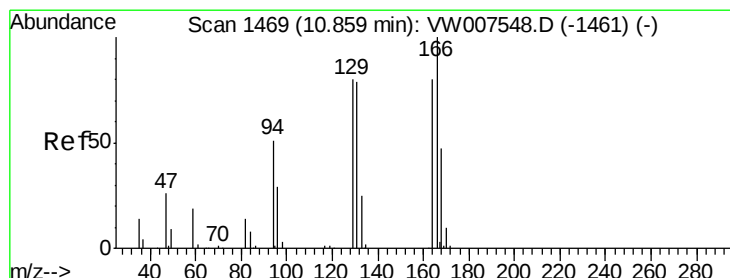
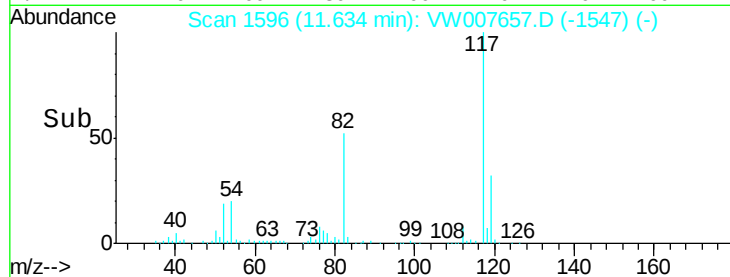
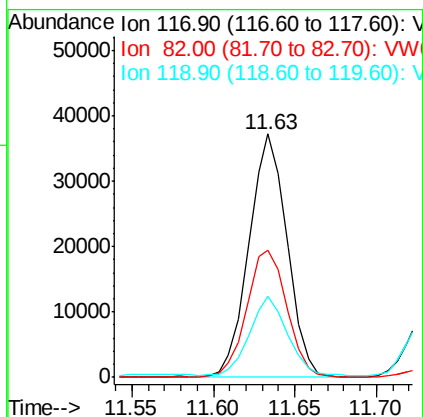
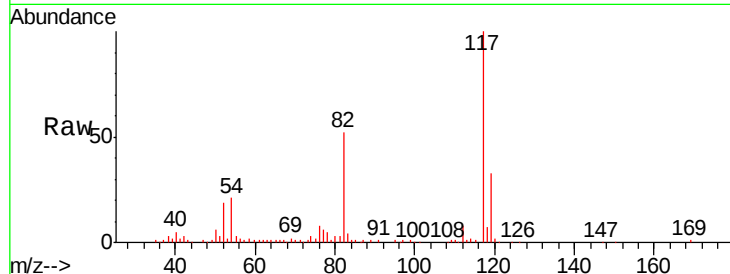
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.3	63.5
119	32.2	23.0	34.6

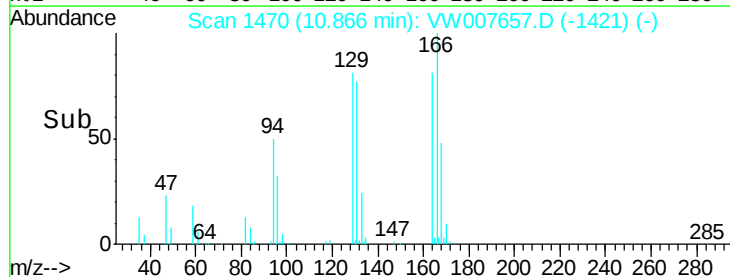
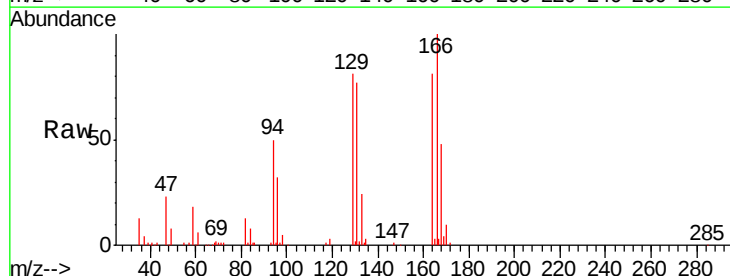
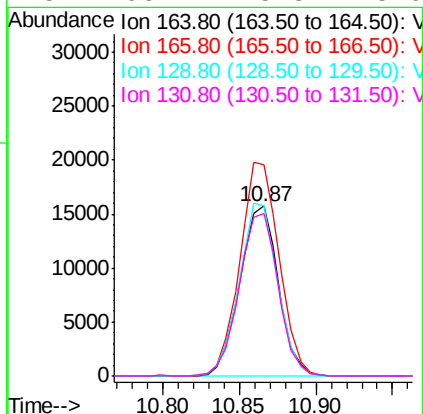
Manual Integrations
APPROVED

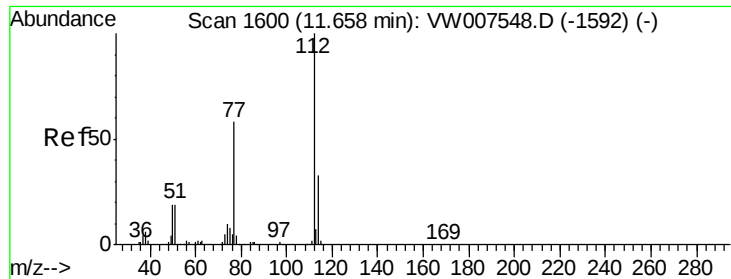
apatel
12/19/2018 12:15:23 PM



#64
Tetrachloroethene
Concen: 63.218 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	107.9	161.9
129	100.1	73.4	110.2
131	95.4	75.8	113.6





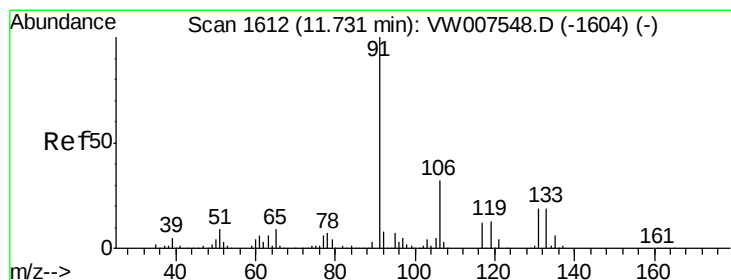
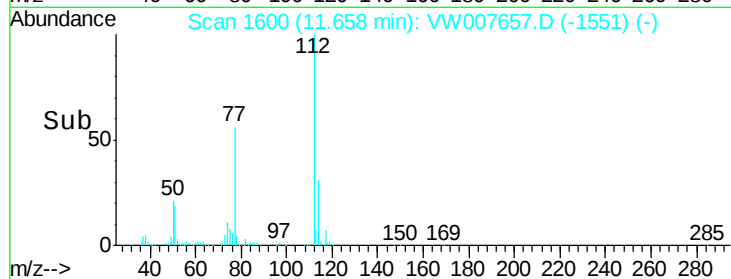
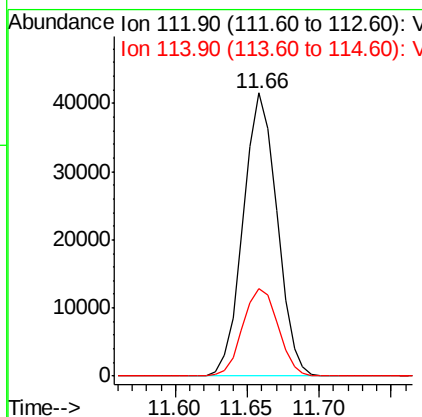
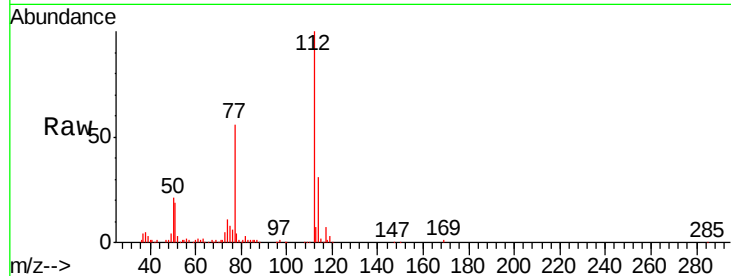
#65
Chlorobenzene
Concen: 53.729 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	27.8	41.8

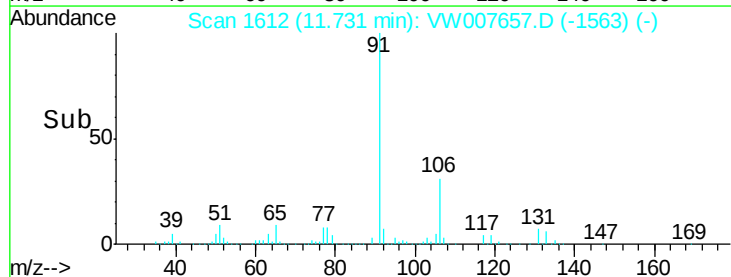
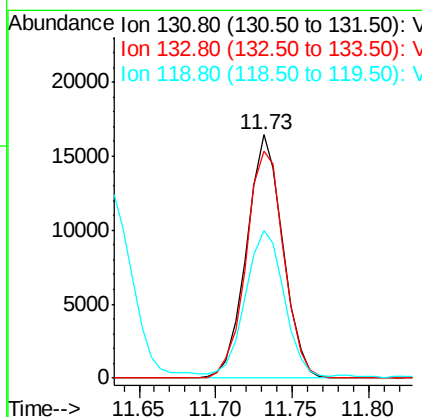
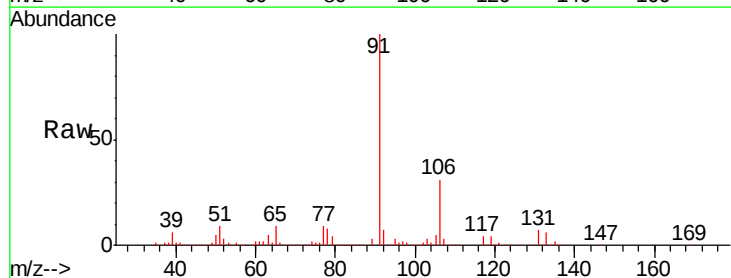
Manual Integrations
APPROVED

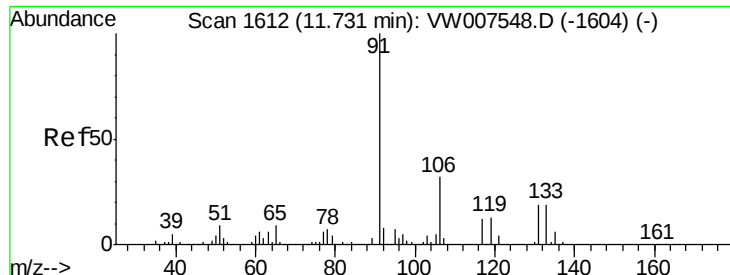
apatel
12/19/2018 12:15:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 60.982 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.1	141.4
119	64.8	31.3	93.9





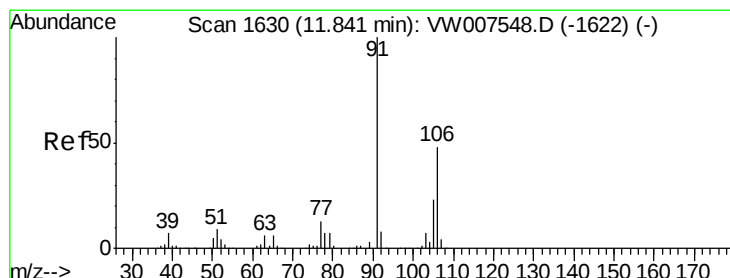
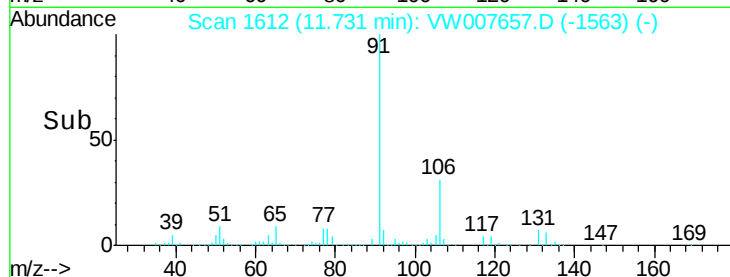
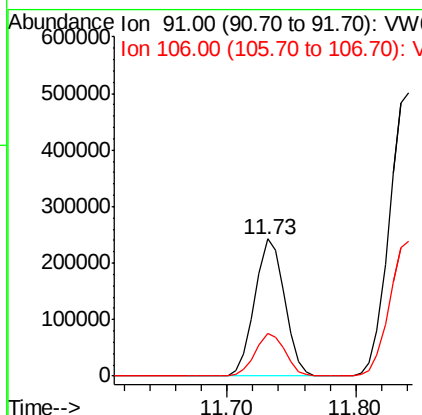
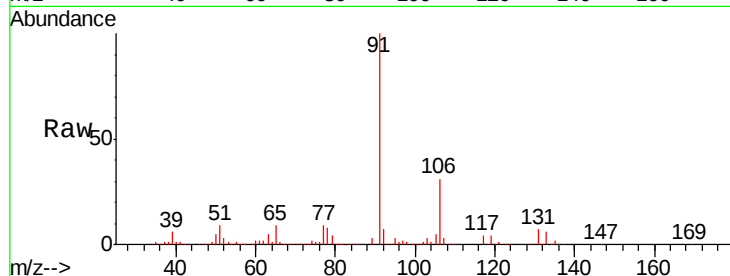
#67
Ethyl Benzene
Concen: 179.339 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion: 91 Resp: 388086
Ion Ratio Lower Upper
91 100
106 31.5 21.8 32.8

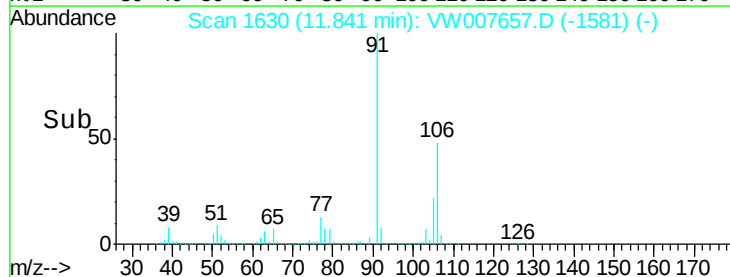
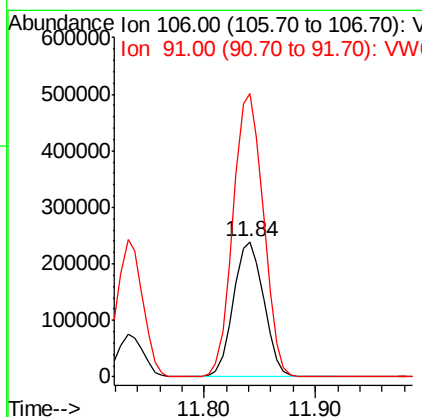
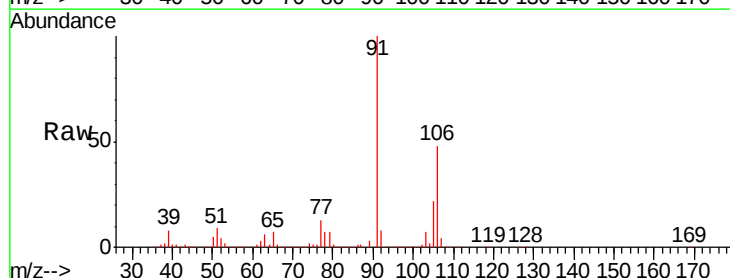
Manual Integrations
APPROVED

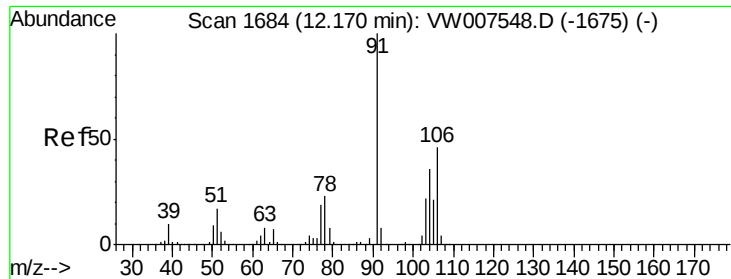
apatel
12/19/2018 12:15:23 PM



#68
m/p-Xylenes
Concen: 535.838 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion: 106 Resp: 450780
Ion Ratio Lower Upper
106 100
91 209.9 165.3 247.9





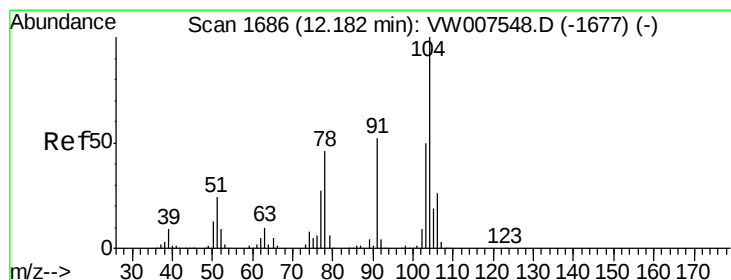
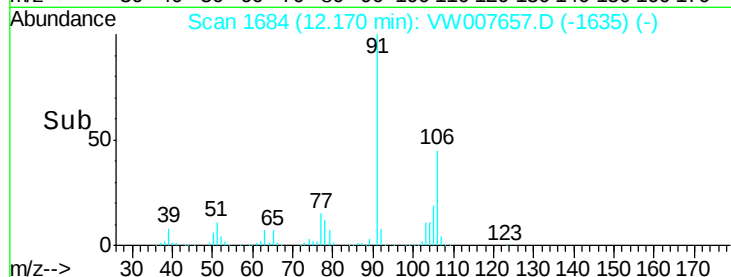
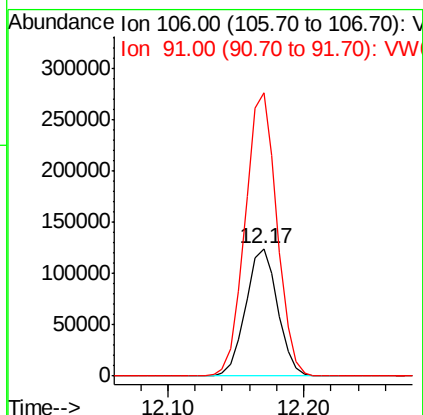
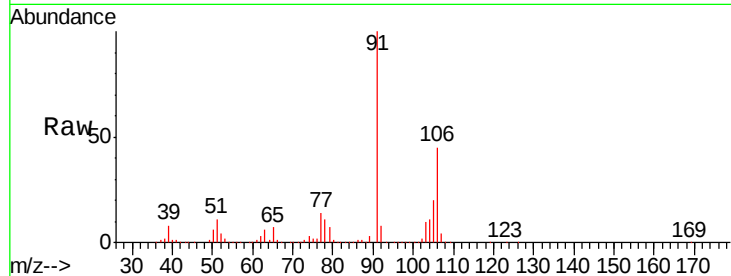
#69
o-Xylene
Concen: 259.359 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion:106 Resp: 203774
Ion Ratio Lower Upper
106 100
91 220.8 106.6 319.8

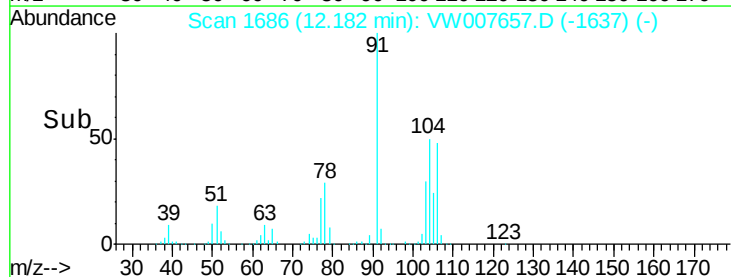
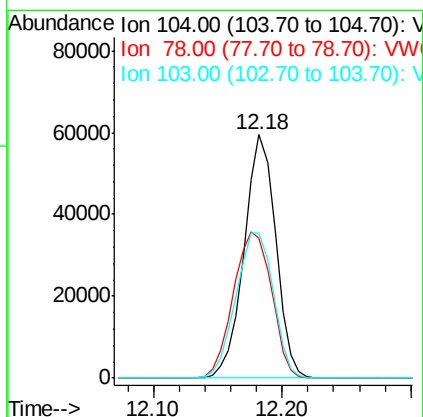
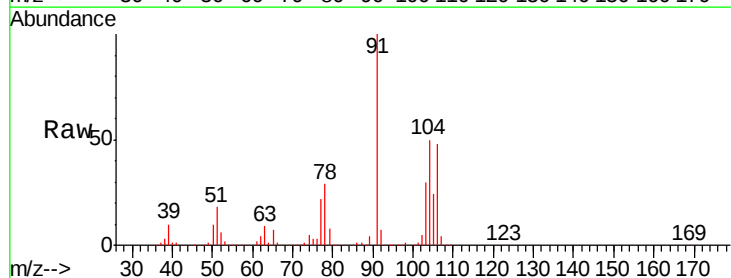
Manual Integrations
APPROVED

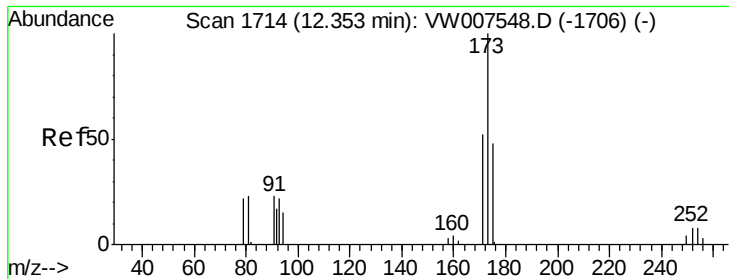
apatel
12/19/2018 12:15:23 PM



#70
Styrene
Concen: 79.379 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion:104 Resp: 100735
Ion Ratio Lower Upper
104 100
78 73.2 41.8 62.8#
103 71.4 46.6 69.8#





#71

Bromoform

Concen: 65.910 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007657.D

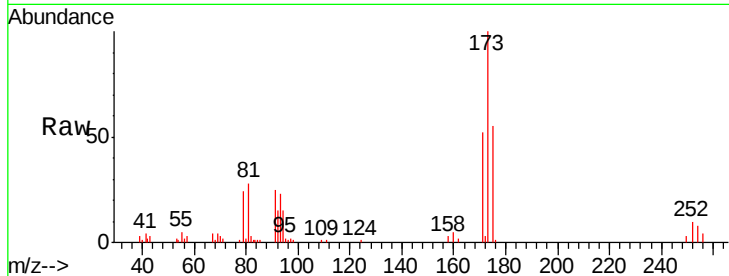
Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

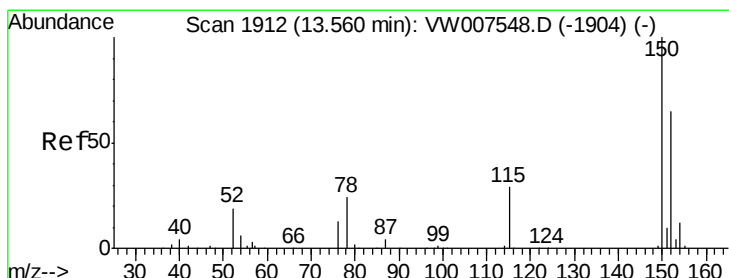
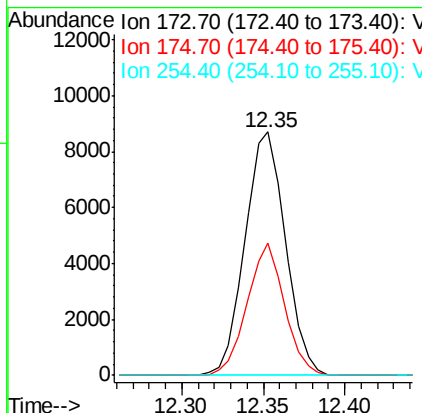
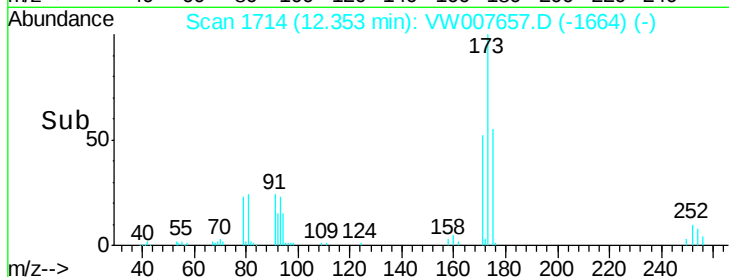
P001-SS001-0002-01MS



Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.6	70.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

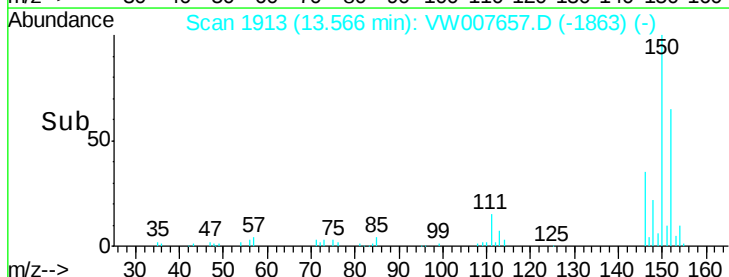
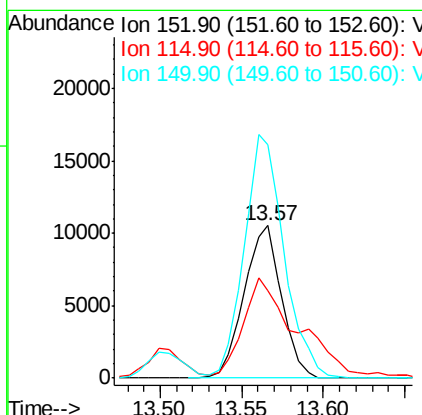
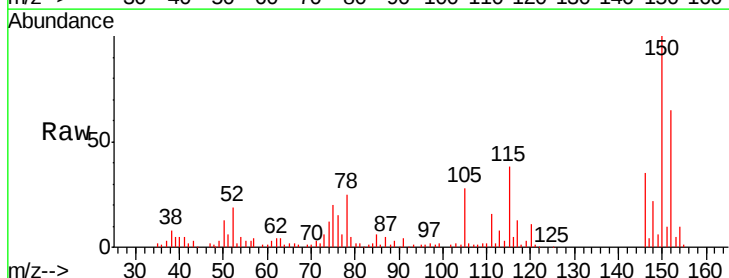
RT: 13.57 min Scan# 1913

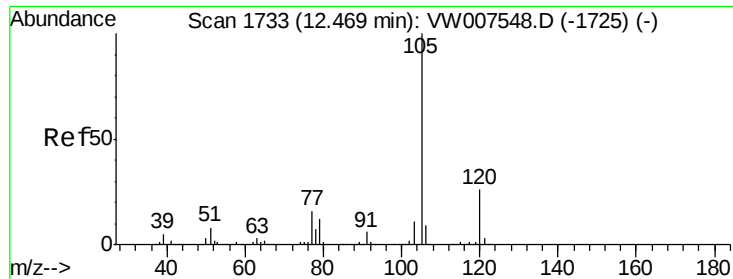
Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	98.0	31.4	94.2#
150	171.0	0.0	358.4





#73

Isopropylbenzene

Concen: 67.981 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion: 105 Resp: 87063

Ion Ratio Lower Upper

105 100

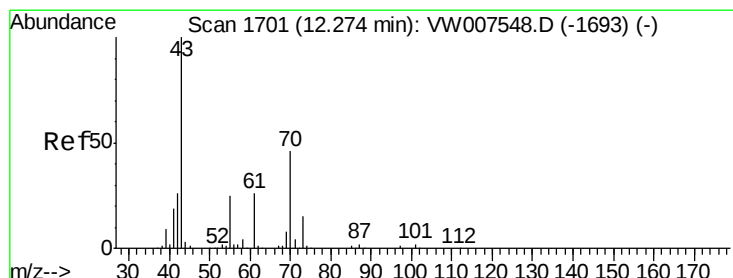
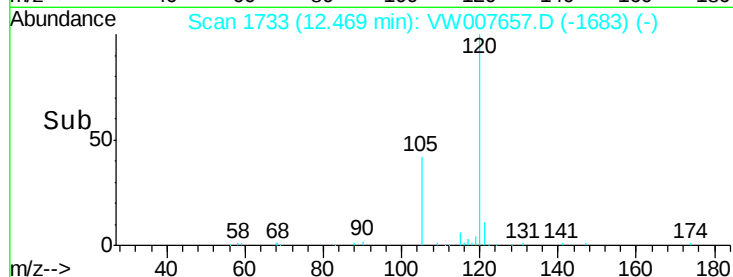
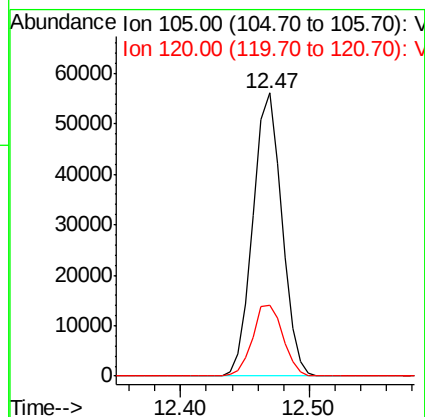
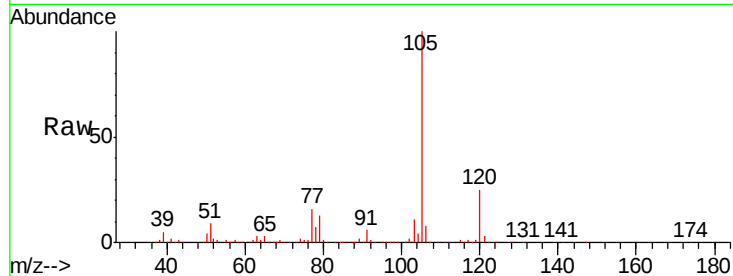
120 26.1 12.8 38.4

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:23 PM



#74

N-ethyl acetate

Concen: 78.194 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion: 43 Resp: 18200

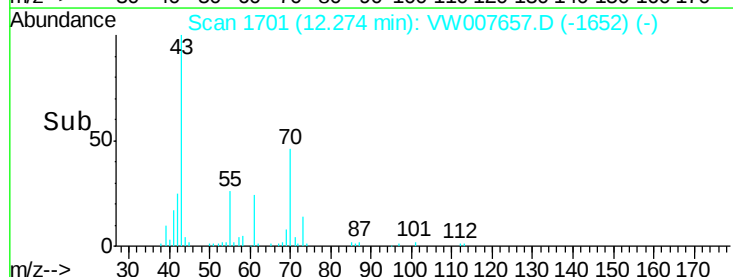
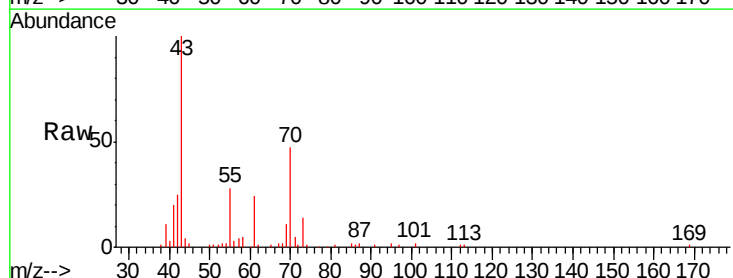
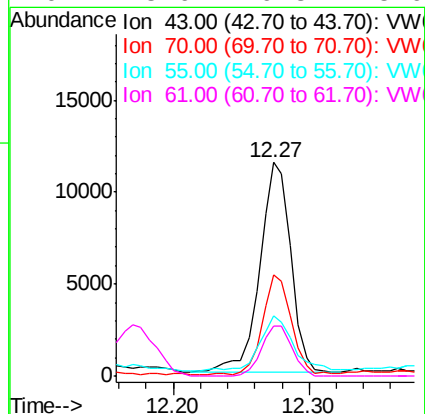
Ion Ratio Lower Upper

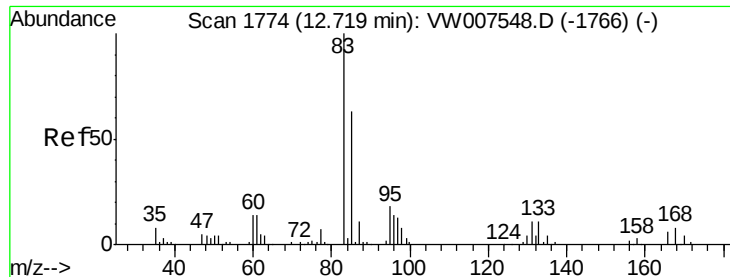
43 100

70 44.3 36.5 54.7

55 26.3 20.1 30.1

61 23.6 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 43.815 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

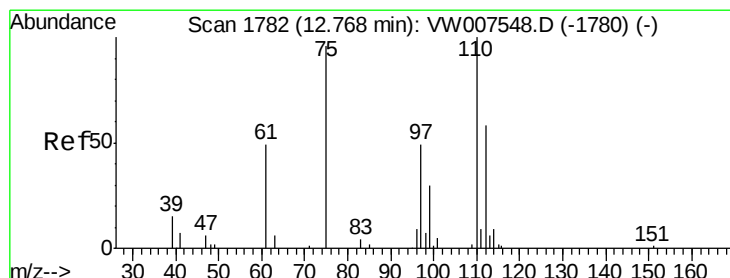
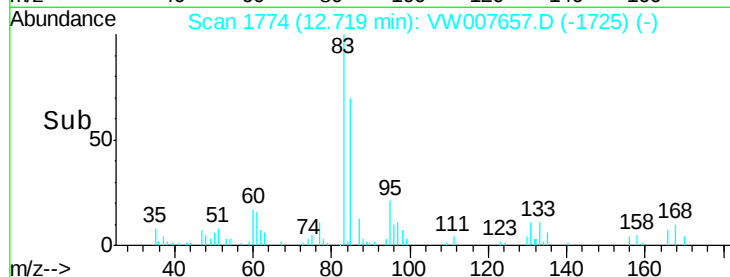
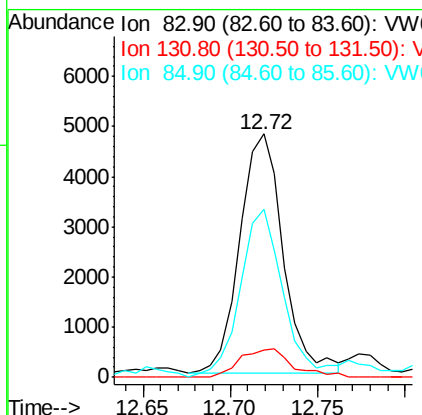
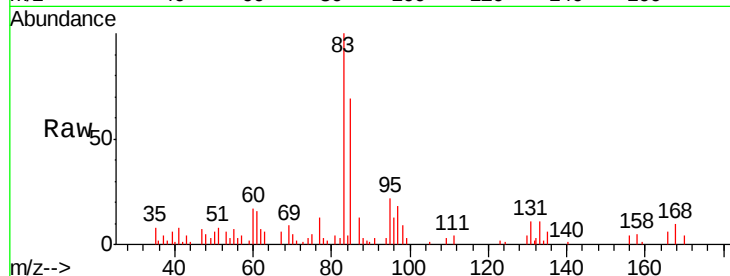
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion:	83	Resp:	8311
Ion Ratio	Lower	Upper	
83	100		
131	14.5	5.9	17.8
85	68.8	30.0	90.0

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#76

1,2,3-Trichloropropane

Concen: 157.222 ug/l m

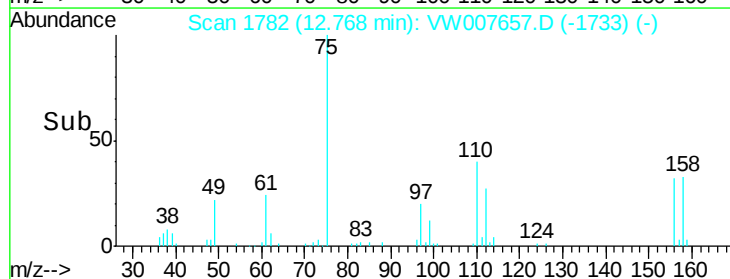
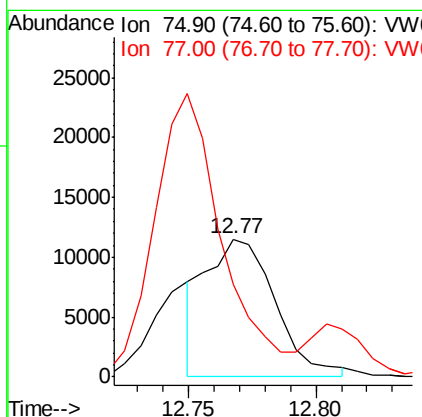
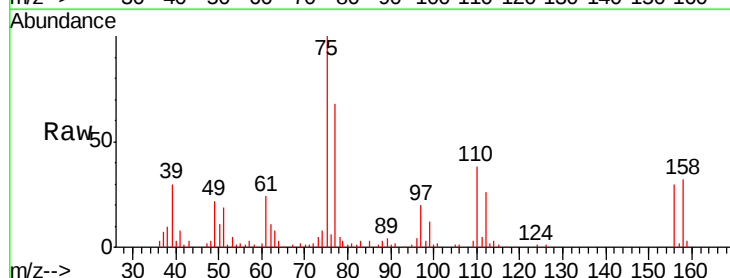
RT: 12.77 min Scan# 1782

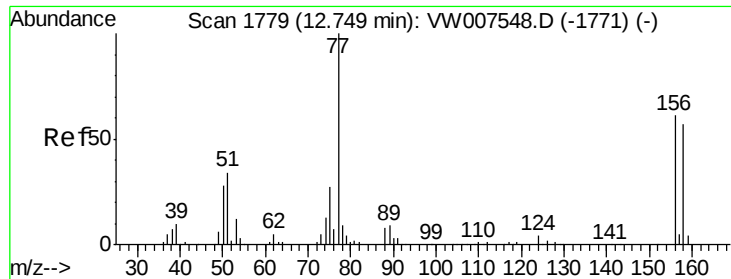
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion:	75	Resp:	21667
Ion Ratio	Lower	Upper	
75	100		
77	201.9	166.9	500.8





#77

Bromobenzene

Concen: 80.552 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

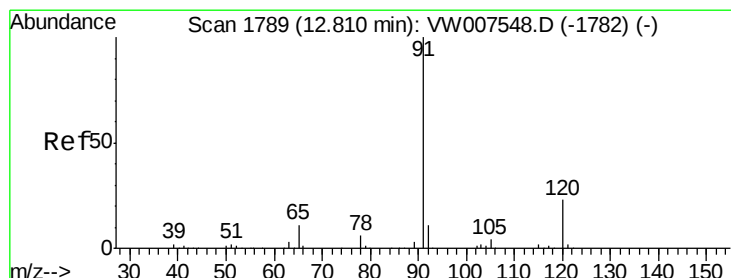
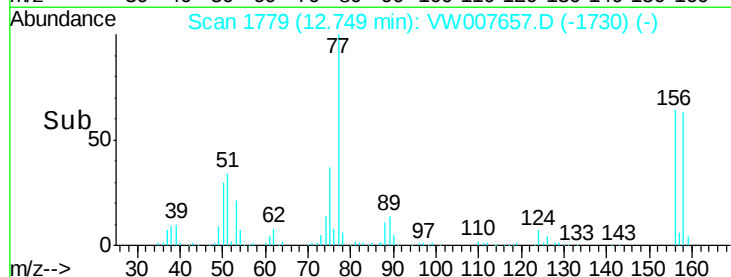
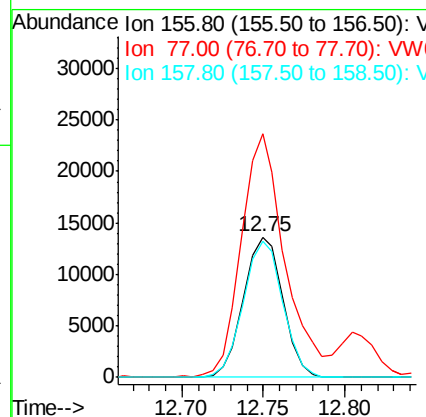
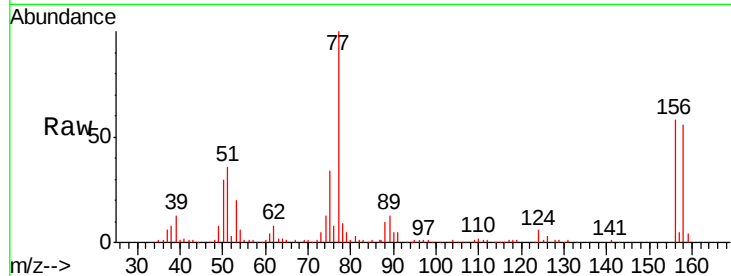
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
156	100		
77	191.3	88.1	264.4
158	97.3	45.6	136.7

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#78

n-propylbenzene

Concen: 106.385 ug/l

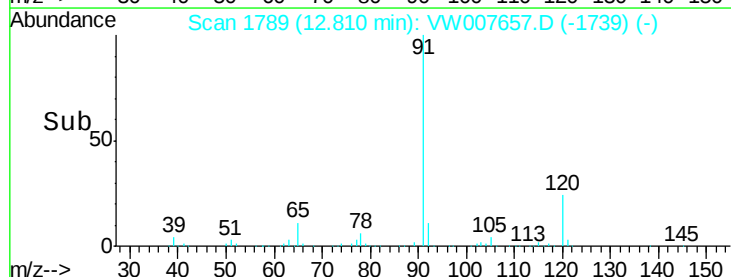
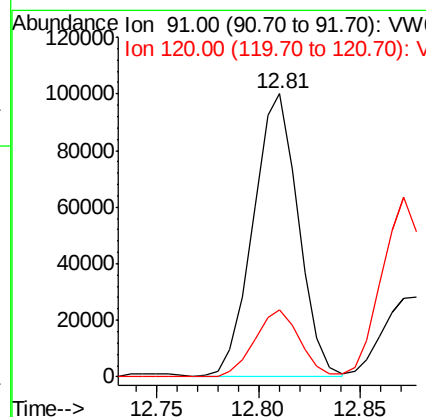
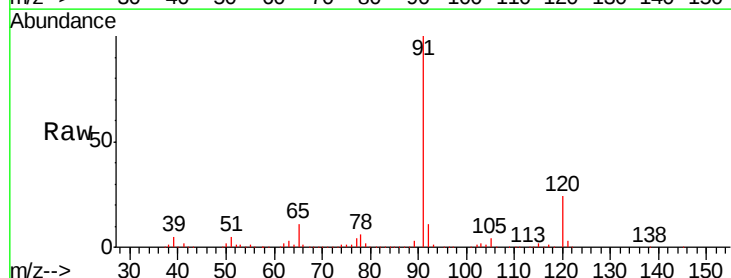
RT: 12.81 min Scan# 1789

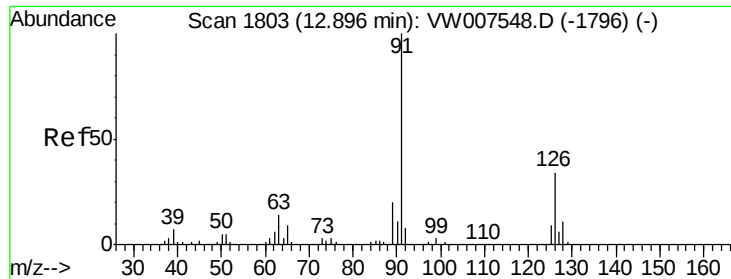
Delta R.T. 0.01 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.5





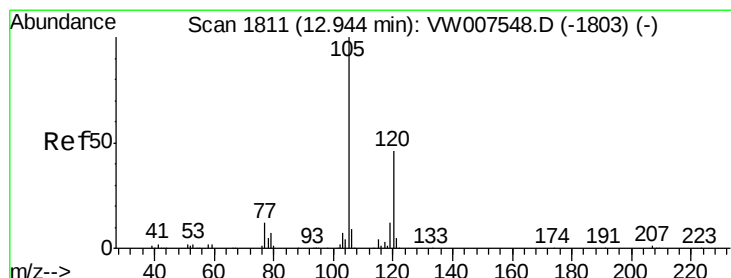
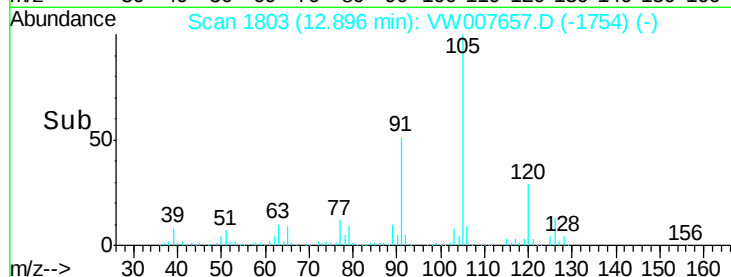
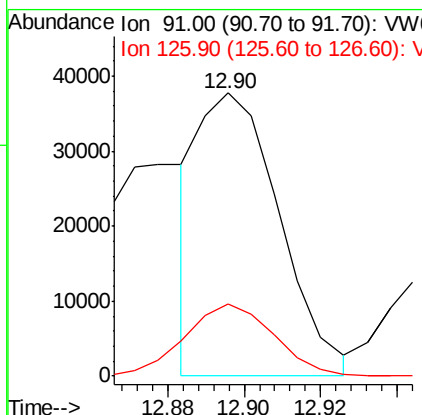
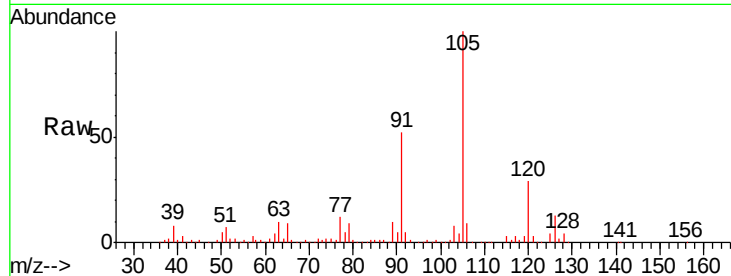
#79
 2-Chlorotoluene
 Concen: 63.767 ug/l m
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Tgt Ion: 91 Resp: 55611
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.9 47.6

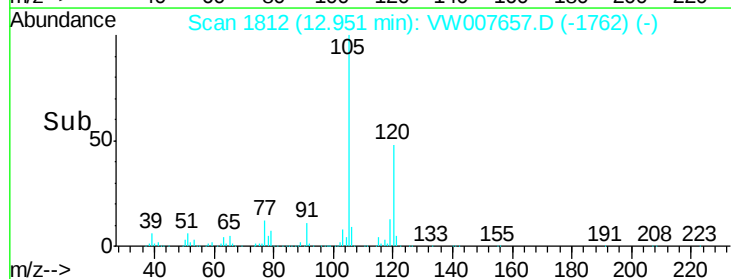
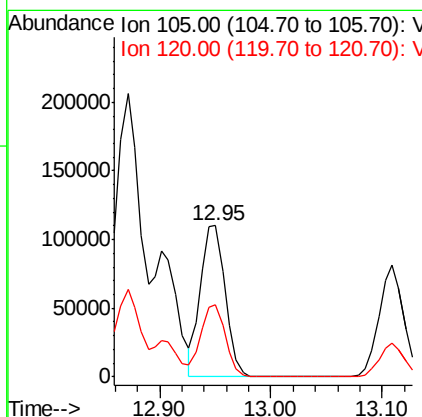
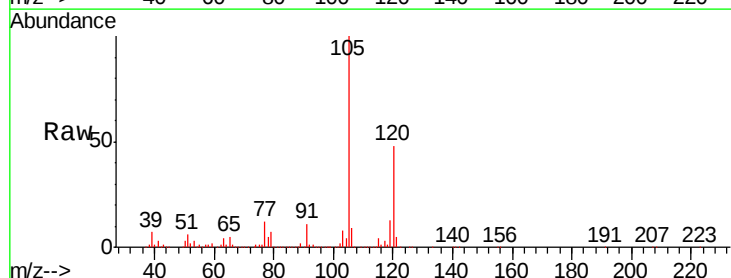
Manual Integrations
 APPROVED

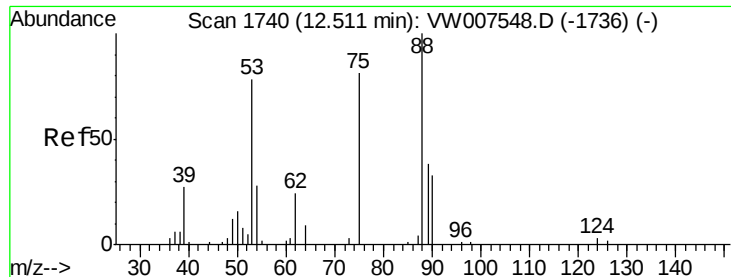
apatel
 12/19/2018 12:15:23 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 158.985 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion: 105 Resp: 171083
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.8 71.4





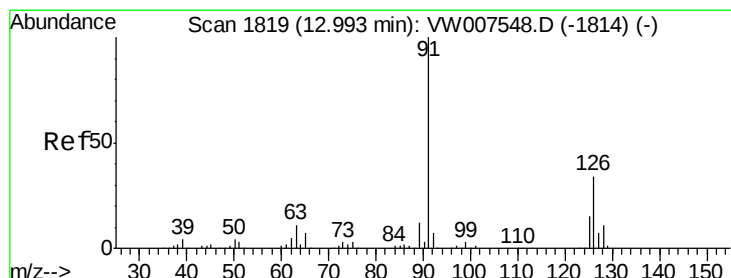
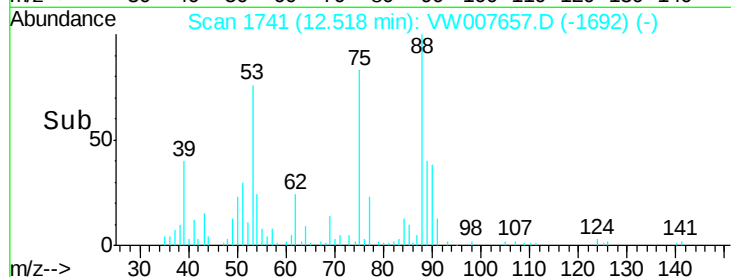
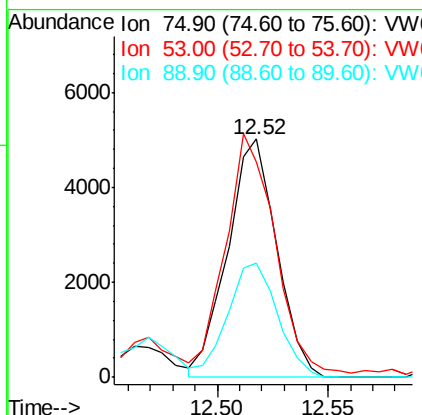
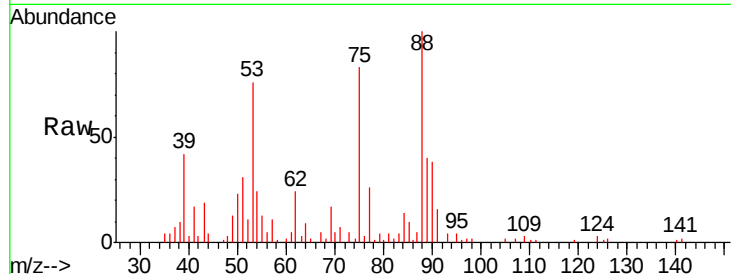
#81
trans-1,4-Dichloro-2-butene
Concen: 123.825 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.4	84.9	127.3
89	48.9	40.3	60.5

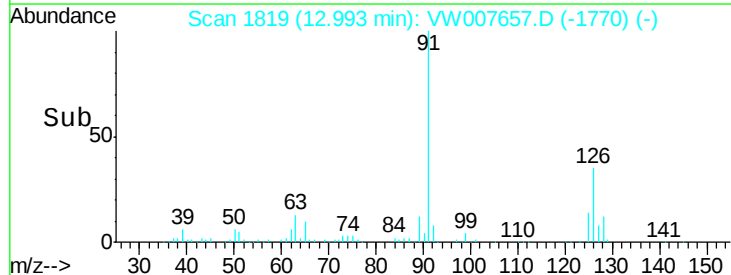
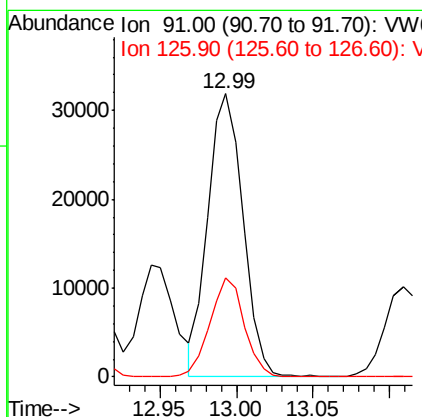
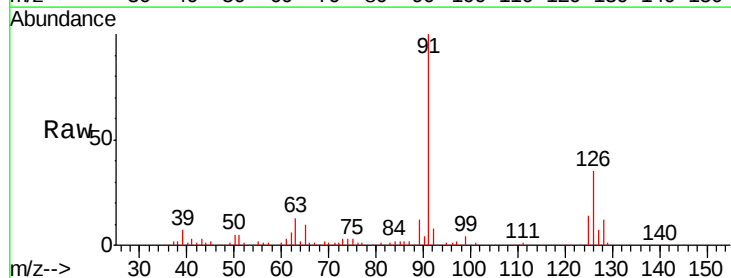
Manual Integrations
APPROVED

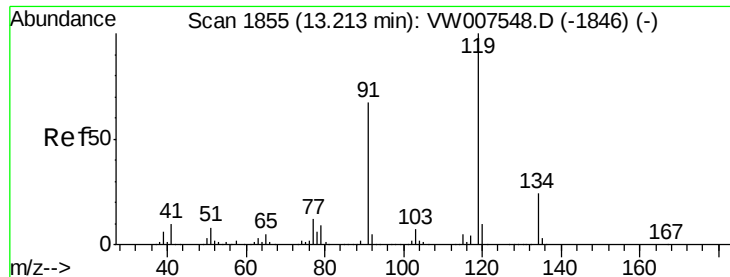
apatel
12/19/2018 12:15:23 PM



#82
4-Chlorotoluene
Concen: 55.047 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.0	48.0





#83

tert-Butylbenzene

Concen: 33.301 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

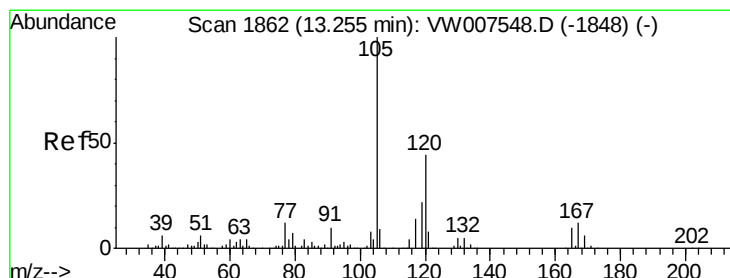
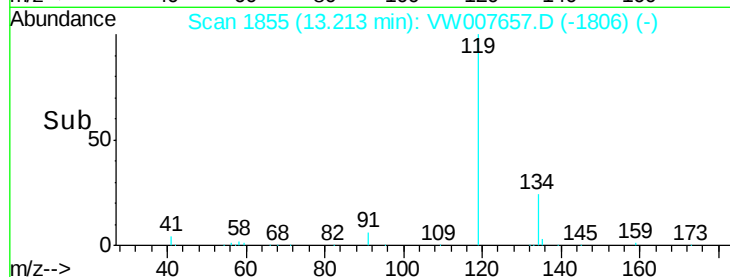
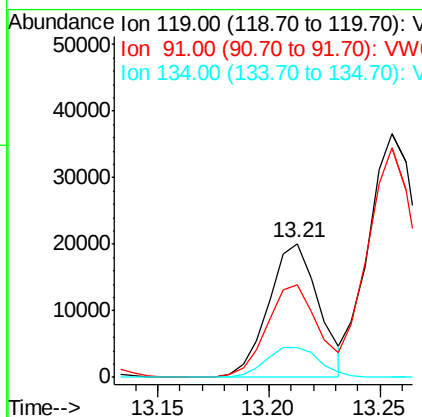
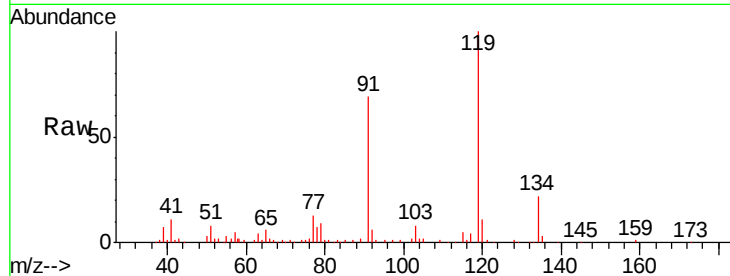
Instrument :
MSVOA_W

ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	31576		
91	70.2	33.1	99.2	
134	23.7	12.5	37.5	

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#84

1,2,4-Trimethylbenzene

Concen: 430.226 ug/l

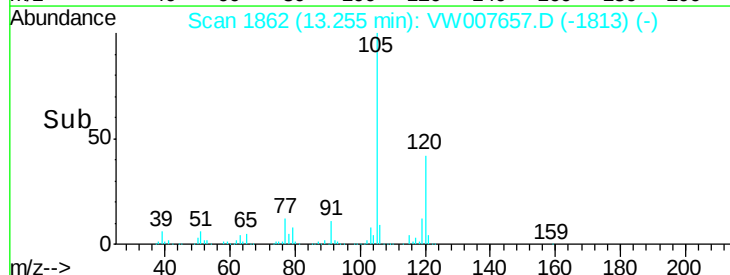
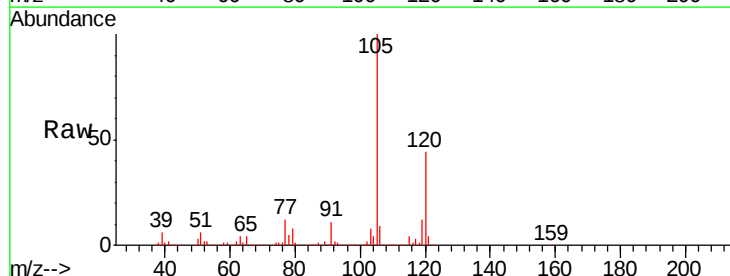
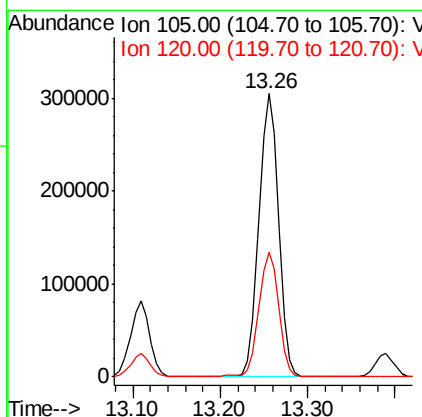
RT: 13.26 min Scan# 1862

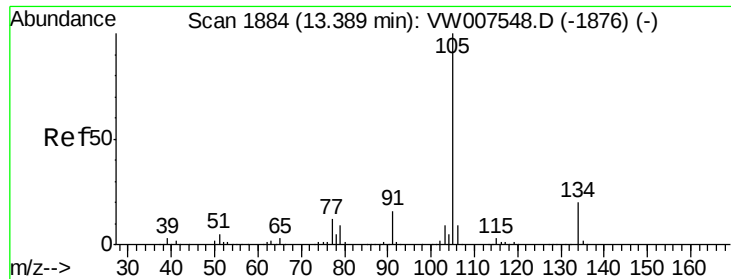
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	476414		
120	44.7	22.6	67.7	





#85

sec-Butylbenzene

Concen: 29.540 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion:105 Resp: 38236

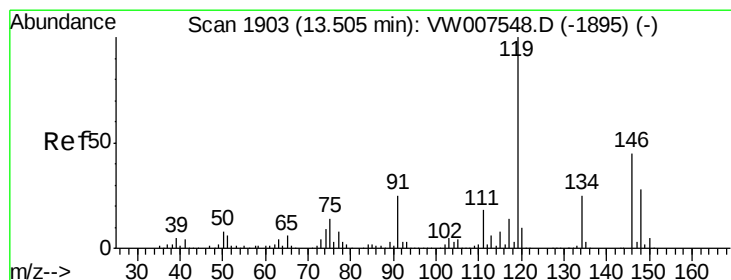
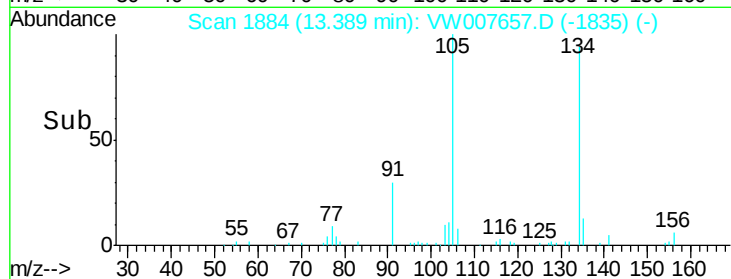
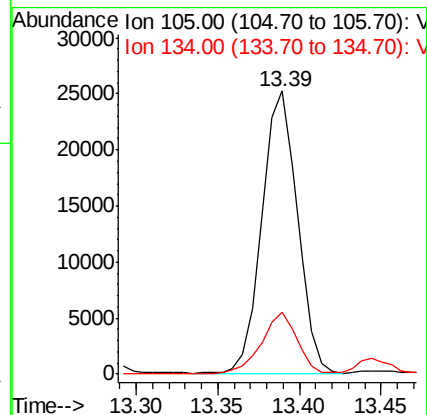
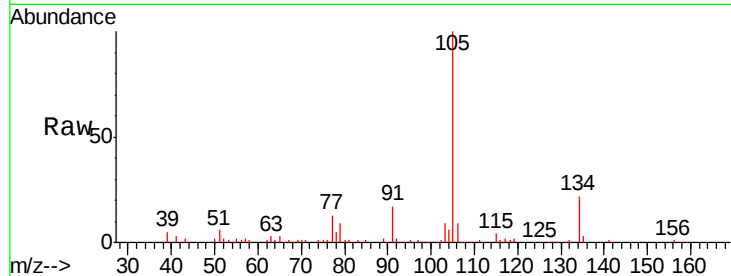
Ion Ratio Lower Upper

105 100

134 22.1 11.1 33.3

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#86

p-Isopropyltoluene

Concen: 29.761 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

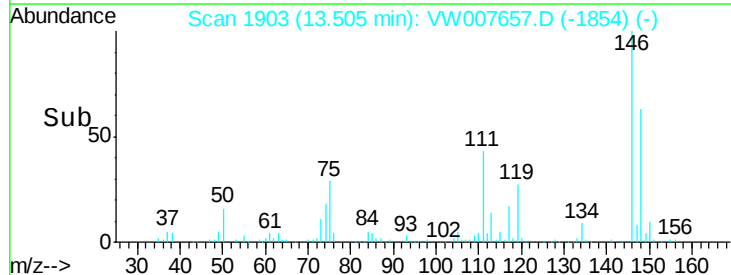
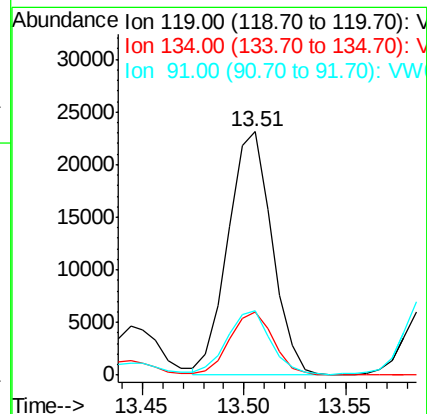
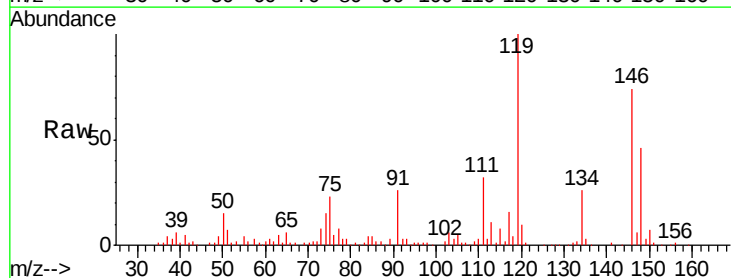
Tgt Ion:119 Resp: 34607

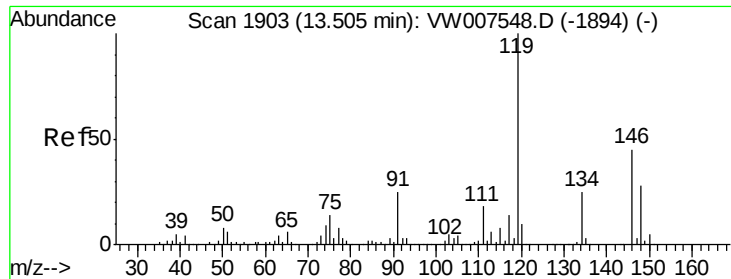
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 25.7 11.9 35.9





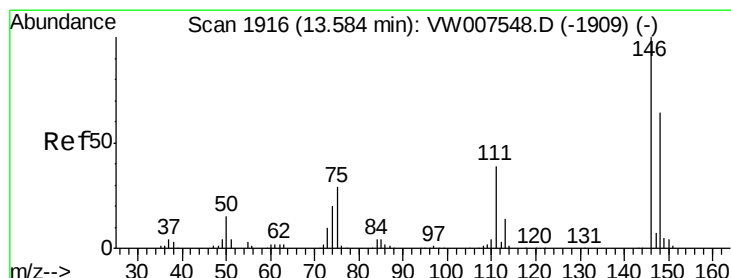
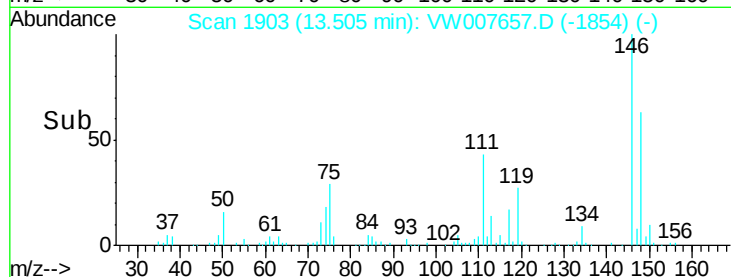
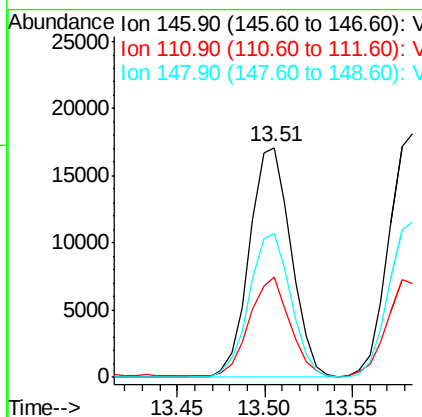
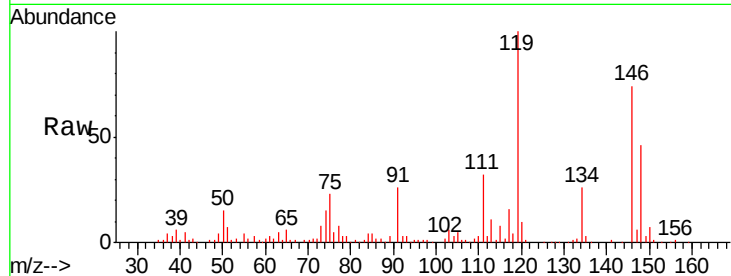
#87
 1,3-Dichlorobenzene
 Concen: 49.949 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.3
148	62.7	31.4	94.0

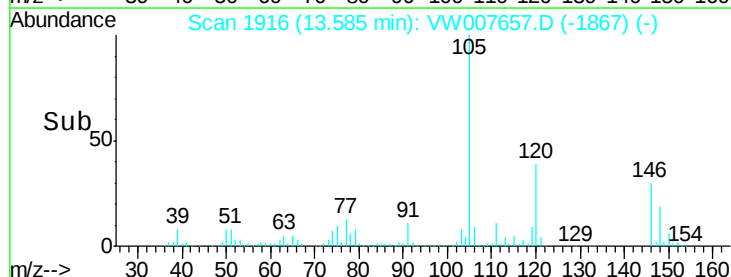
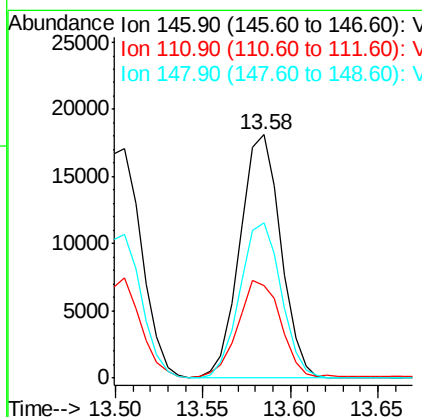
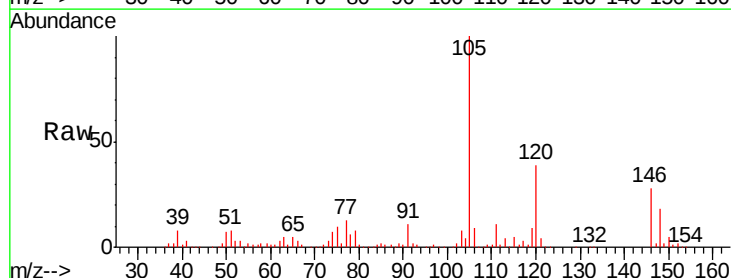
Manual Integrations
 APPROVED

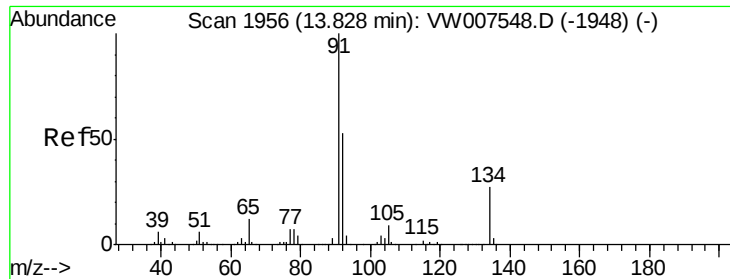
apatel
 12/19/2018 12:15:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.767 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007657.D
 Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	64.7	33.5	100.5





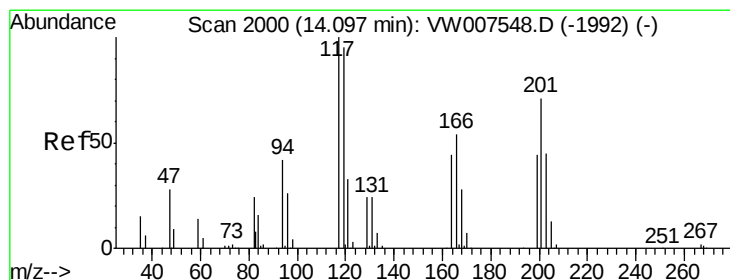
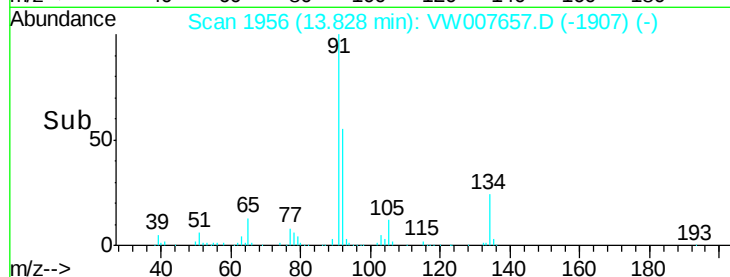
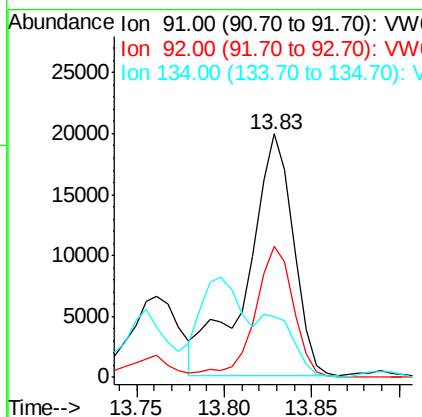
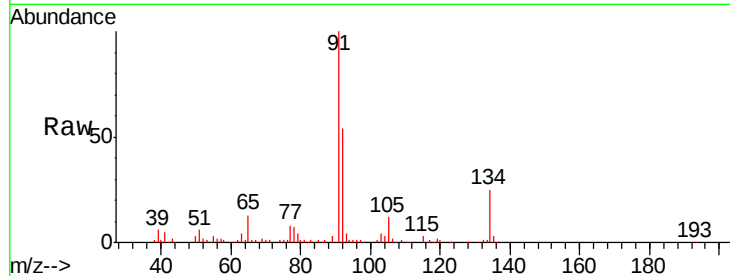
#89
n-Butylbenzene
Concen: 33.419 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.0	25.7	77.1
134	0.0	13.4	40.2#

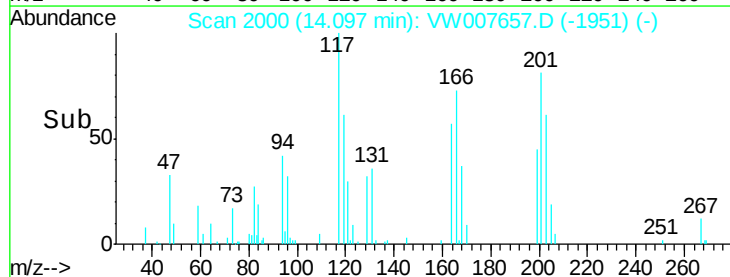
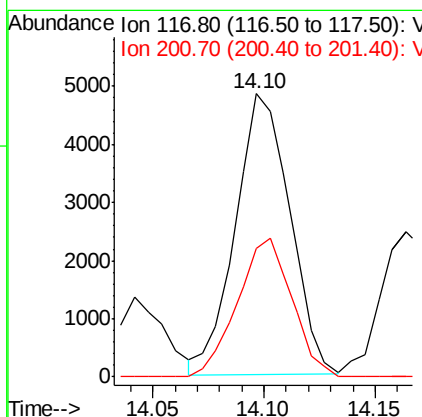
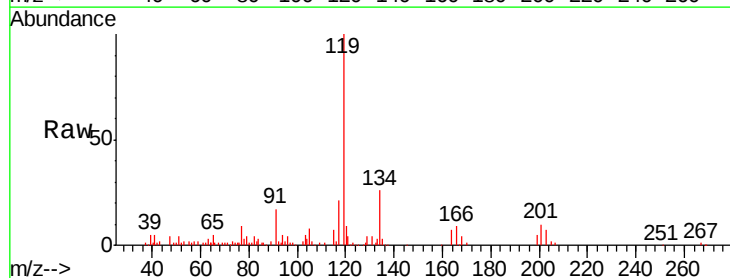
Manual Integrations
APPROVED

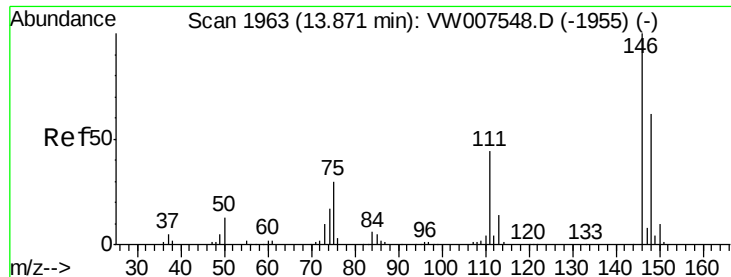
apatel
12/19/2018 12:15:23 PM



#90
Hexachloroethane
Concen: 39.825 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	49.3	35.3	105.9





#91

1,2-Dichlorobenzene

Concen: 55.468 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Instrument :

MSVOA_W

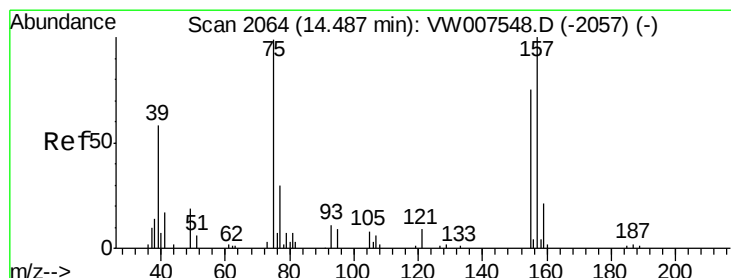
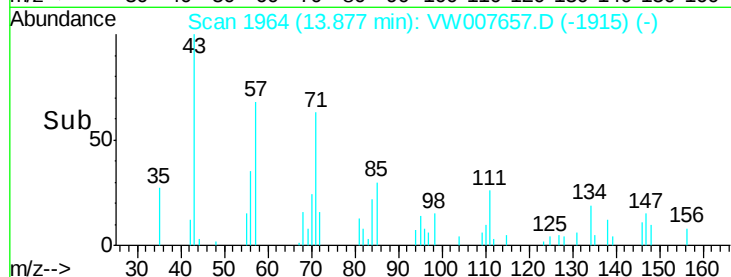
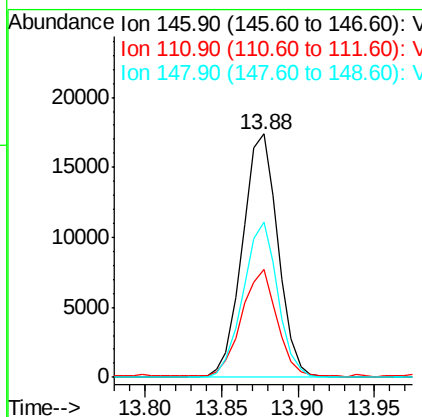
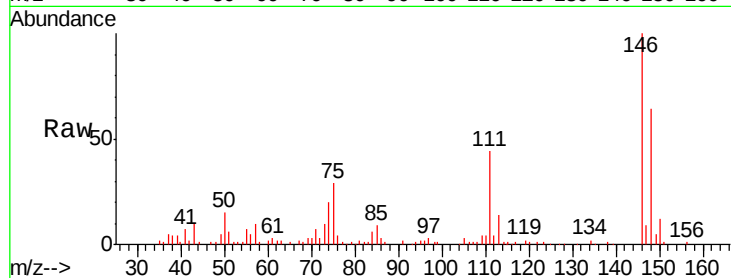
ClientSampleId :

P001-SS001-0002-01MS

Tgt Ion:	146	Resp:	28119
Ion Ratio	Lower	Upper	
146	100		
111	43.9	22.4	67.2
148	61.8	32.4	97.2

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 109.153 ug/l

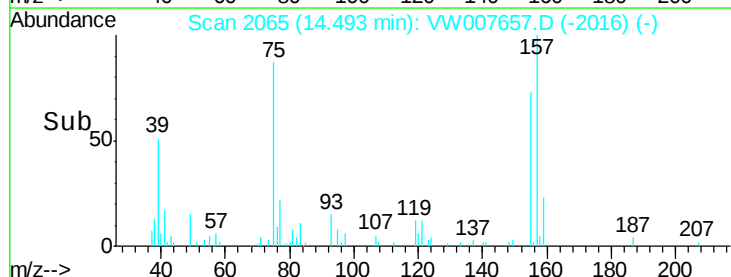
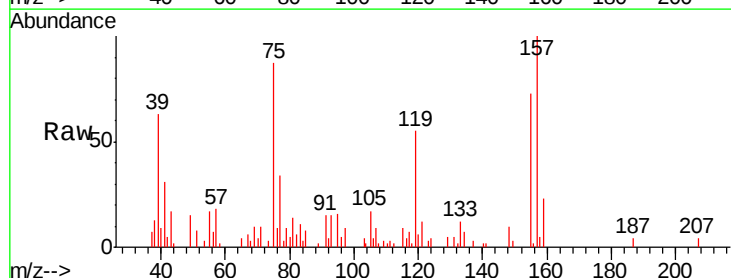
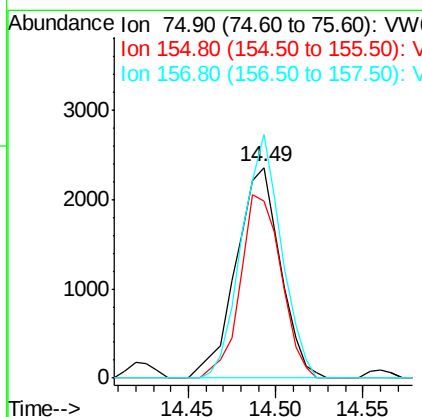
RT: 14.49 min Scan# 2065

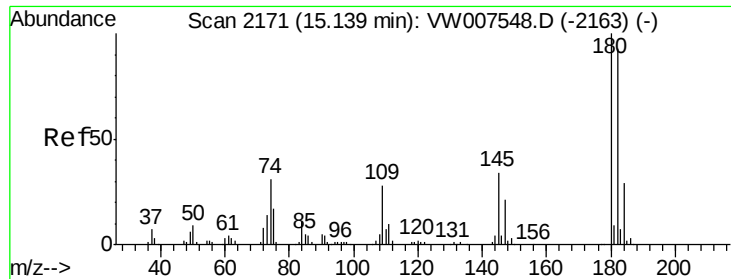
Delta R.T. -0.00 min

Lab File: VW007657.D

Acq: 18 Dec 2018 14:43

Tgt Ion:	75	Resp:	4155
Ion Ratio	Lower	Upper	
75	100		
155	80.1	40.8	122.2
157	103.4	51.1	153.4





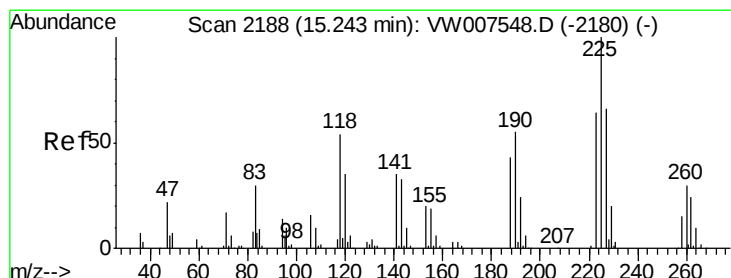
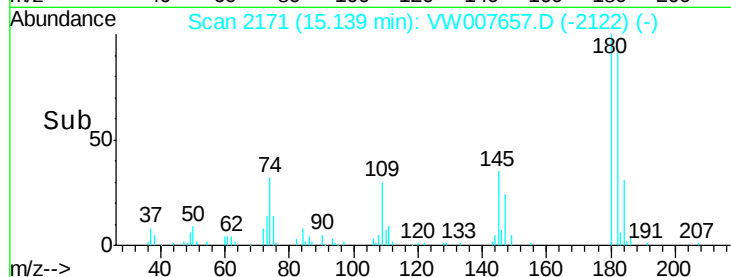
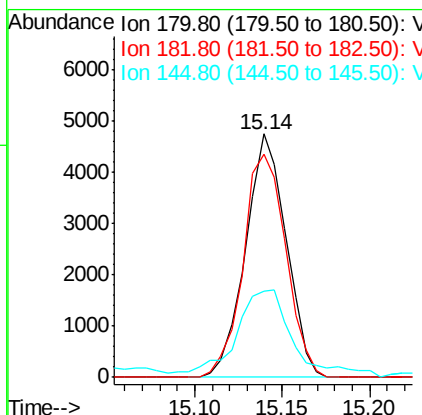
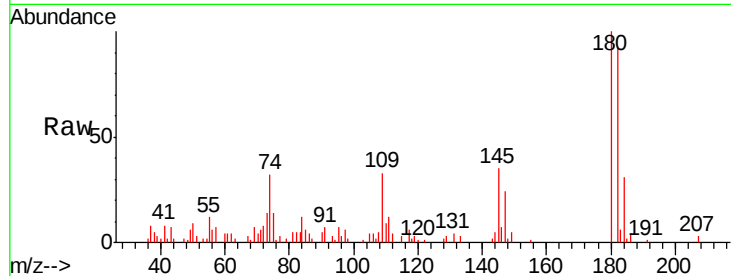
#93
1,2,4-Trichlorobenzene
Concen: 21.979 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	7668		
182	96.4	49.9	149.6	
145	51.2	17.8	53.4	

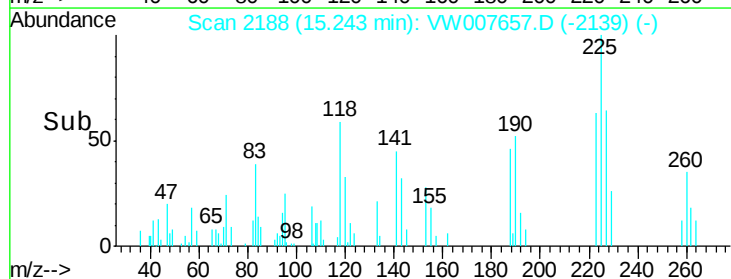
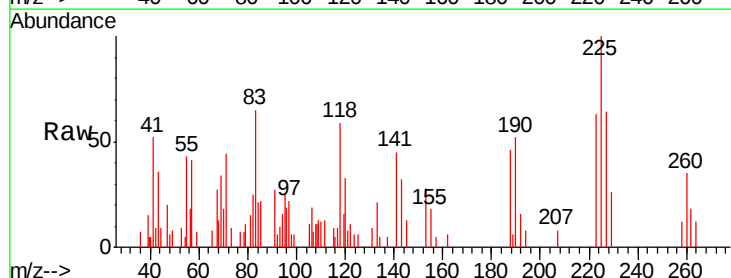
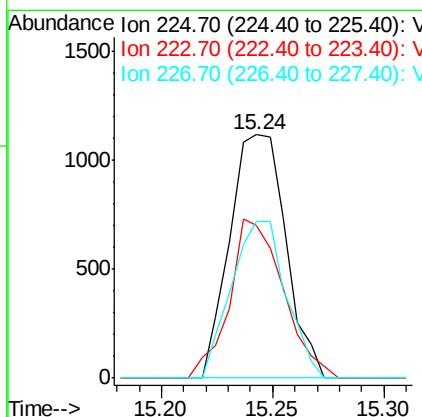
Manual Integrations
APPROVED

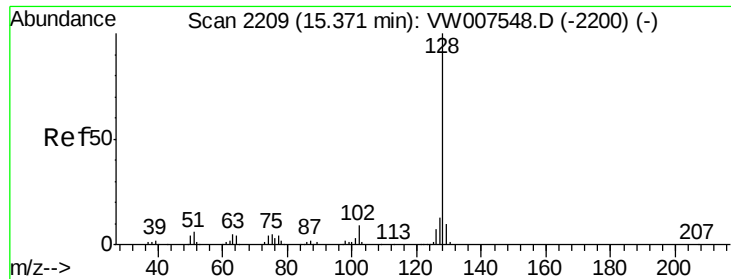
apatel
12/19/2018 12:15:23 PM



#94
Hexachlorobutadiene
Concen: 10.594 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	1961		
223	62.9	32.1	96.3	
227	62.9	31.9	95.9	





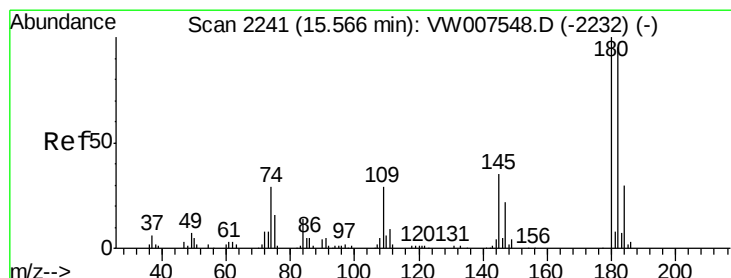
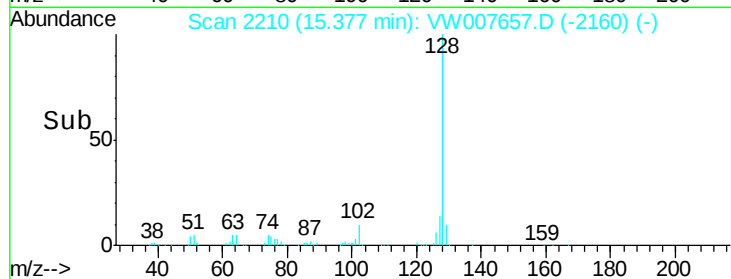
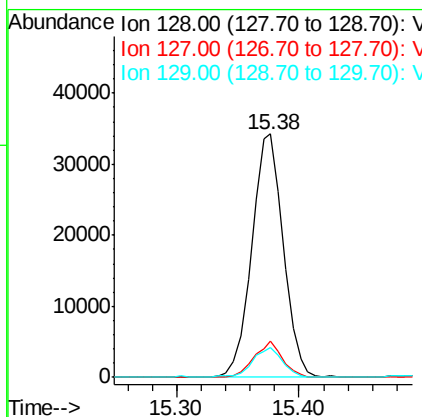
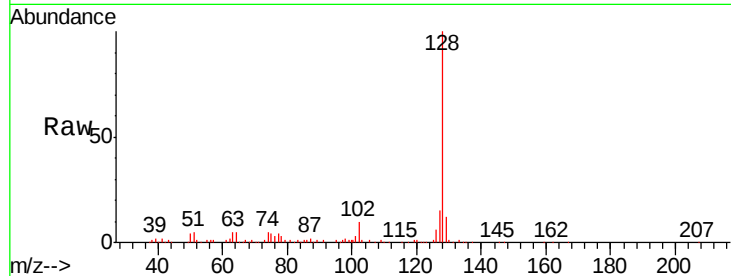
#95
Naphthalene
Concen: 92.093 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
P001-SS001-0002-01MS

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.2	8.3	12.5

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 24.715 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007657.D
Acq: 18 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.1	45.6	136.7
145	50.4	17.5	52.5

