

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122018\
 Data File : VW007677.D
 Acq On : 19 Dec 2018 01:31
 Operator : SY/AP
 Sample : VW1220SBS02
 Misc : 4.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Manual Integrations
 APPROVED

apatel
 12/19/2018 12:15:42 PM

Quant Time: Dec 19 05:55:46 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	58541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	95066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	86705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	44610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	34691	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.88	113	30886	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.32	98	112868	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.62	95	44698	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	8236	20.133	ug/l	89
3) Chloromethane	2.21	50	6867	20.043	ug/l	98
4) Vinyl Chloride	2.37	62	8535	21.228	ug/l	95
5) Bromomethane	2.78	94	6231	23.066	ug/l	93
6) Chloroethane	2.92	64	4900	22.139	ug/l	94
7) Trichlorofluoromethane	3.26	101	8015	22.173	ug/l	93
8) Diethyl Ether	3.68	74	6088	21.518	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	12979	21.760	ug/l	96
10) Methyl Iodide	4.26	142	22110	22.382	ug/l	94
11) Tert butyl alcohol	5.17	59	4692	105.191	ug/l	98
12) 1,1-Dichloroethene	4.03	96	12605	21.950	ug/l	96
13) Acrolein	3.89	56	2717	92.056	ug/l	100
14) Allyl chloride	4.66	41	17170	20.284	ug/l	95
15) Acrylonitrile	5.37	53	11846	99.323	ug/l	98
16) Acetone	4.12	43	10915	96.216	ug/l	93
17) Carbon Disulfide	4.37	76	37102	21.308	ug/l	96
18) Methyl Acetate	4.67	43	6338	20.585	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	19558	22.576	ug/l	100
20) Methylene Chloride	4.91	84	14303	20.765	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	14054	21.877	ug/l	94
22) Diisopropyl ether	6.31	45	33574	20.635	ug/l	94
23) Vinyl Acetate	6.26	43	91539	100.584	ug/l	95
24) 1,1-Dichloroethane	6.21	63	24201	22.007	ug/l	99
25) 2-Butanone	7.17	43	14417	97.347	ug/l	93
26) 2,2-Dichloropropane	7.17	77	16071	22.082	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	15842	22.522	ug/l	98
28) Bromochloromethane	7.51	49	8299	20.064	ug/l	90
29) Tetrahydrofuran	7.52	42	9168	97.785	ug/l	94
30) Chloroform	7.68	83	27121	22.663	ug/l	100
31) Cyclohexane	7.95	56	19877	19.701	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	24595	23.436	ug/l	99
36) 1,1-Dichloropropene	8.09	75	19936	22.988	ug/l	100
37) Ethyl Acetate	7.26	43	6776	21.007	ug/l	98
38) Carbon Tetrachloride	8.07	117	23086	24.466	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122018\
 Data File : VW007677.D
 Acq On : 19 Dec 2018 01:31
 Operator : SY/AP
 Sample : VW1220SBS02
 Misc : 4.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1220SBS02

Manual Integrations
 APPROVED

apatel
 12/19/2018 12:15:42 PM

Quant Time: Dec 19 05:55:46 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	23113	22.010	ug/l	90
40) Benzene	8.32	78	55367	23.005	ug/l	99
41) Methacrylonitrile	7.48	41	4579	24.929	ug/l	91
42) 1,2-Dichloroethane	8.40	62	18337	24.255	ug/l	100
43) Isopropyl Acetate	8.43	43	13199	20.716	ug/l	95
44) Trichloroethene	9.09	130	16470	23.965	ug/l	97
45) 1,2-Dichloropropane	9.37	63	12686	22.778	ug/l	94
46) Dibromomethane	9.46	93	7249	22.920	ug/l	97
47) Bromodichloromethane	9.65	83	19657	23.694	ug/l	99
48) Methyl methacrylate	9.44	41	6887	21.047	ug/l	95
49) 1,4-Dioxane	9.45	88	2496	486.378	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	31209	103.668	ug/l	99
52) Toluene	10.39	92	37080	23.808	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	19015	23.609	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	21337	22.917	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	10591	24.604	ug/l	97
56) Ethyl methacrylate	10.65	69	11684	22.583	ug/l	99
57) 1,3-Dichloropropane	10.93	76	17537	24.821	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	27016	113.231	ug/l	98
59) 2-Hexanone	10.97	43	21249	105.854	ug/l	98
60) Dibromochloromethane	11.13	129	13524	24.895	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10266	24.133	ug/l	95
64) Tetrachloroethene	10.87	164	14351	23.016	ug/l	91
65) Chlorobenzene	11.66	112	41901	23.185	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	15407	24.206	ug/l	99
67) Ethyl Benzene	11.73	91	72525	23.342	ug/l	90
68) m/p-Xylenes	11.84	106	57131	47.298	ug/l	99
69) o-Xylene	12.17	106	26956	23.895	ug/l	99
70) Styrene	12.18	104	44356	24.343	ug/l	98
71) Bromoform	12.35	173	7409	22.742	ug/l #	99
73) Isopropylbenzene	12.47	105	74902	21.913	ug/l	99
74) N-amyl acetate	12.27	43	12563	20.223	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10873	21.477	ug/l	90
76) 1,2,3-Trichloropropane	12.77	75	7061m	19.197	ug/l	
77) Bromobenzene	12.75	156	17319	22.858	ug/l	98
78) n-propylbenzene	12.81	91	87000	22.616	ug/l	100
79) 2-Chlorotoluene	12.90	91	51655	22.192	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	66855	23.277	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3540	21.260	ug/l	92
82) 4-Chlorotoluene	12.99	91	54385	22.166	ug/l	95
83) tert-Butylbenzene	13.21	119	58074	22.947	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	66522	22.507	ug/l	100
85) sec-Butylbenzene	13.39	105	78785	22.805	ug/l	96
86) p-Isopropyltoluene	13.51	119	71033	22.887	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	35028	23.187	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	34615	22.792	ug/l	98
89) n-Butylbenzene	13.83	91	64807	22.524	ug/l	99
90) Hexachloroethane	14.10	117	12768	23.121	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	31604	23.358	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2136	21.024	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122018\
Data File : VW007677.D
Acq On : 19 Dec 2018 01:31
Operator : SY/AP
Sample : VW1220SBS02
Misc : 4.77G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM

Quant Time: Dec 19 05:55:46 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	20650	22.177	ug/l	97
94) Hexachlorobutadiene	15.24	225	11448	23.172	ug/l	97
95) Naphthalene	15.38	128	38128	21.404	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	18362	22.701	ug/l	96

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

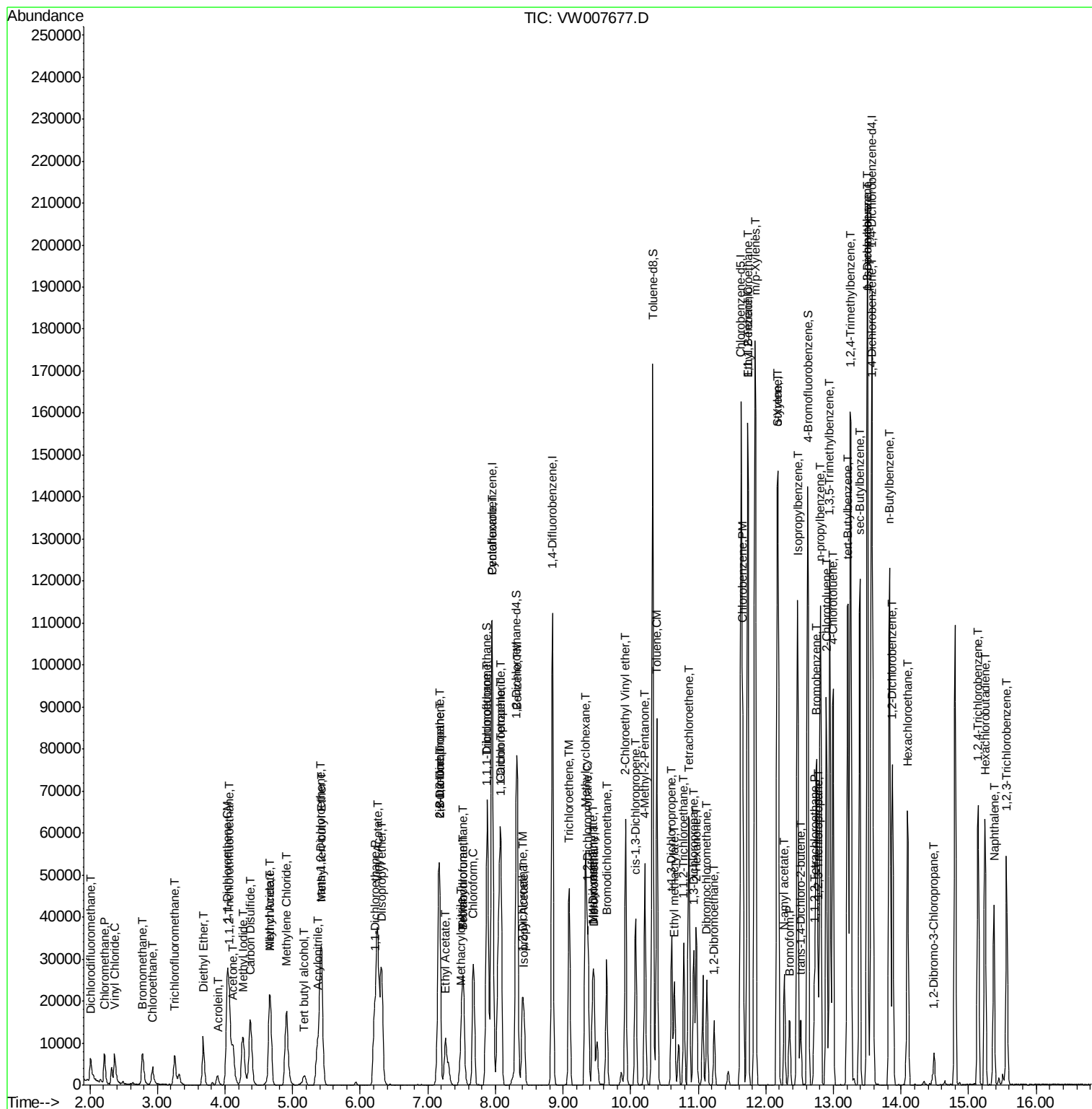
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122018\
Data File : VW007677.D
Acq On : 19 Dec 2018 01:31
Operator : SY/AP
Sample : VW1220SBS02
Misc : 4.77G/5ML/MSVOA_W/SOIL
ALS Vial : 36 Sample Multiplier: 1

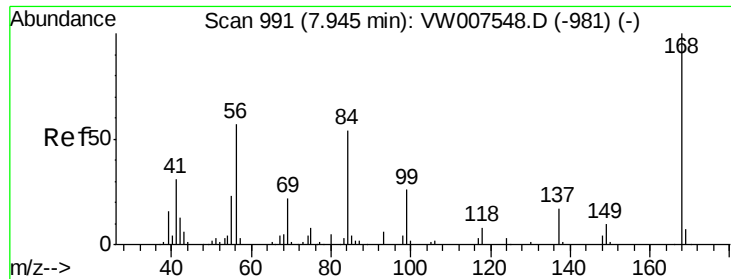
Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM

Quant Time: Dec 19 05:55:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

ClientSampleId :

VW1220SBS02

Tgt Ion: 168 Resp: 58541

Ion Ratio Lower Upper

168 100

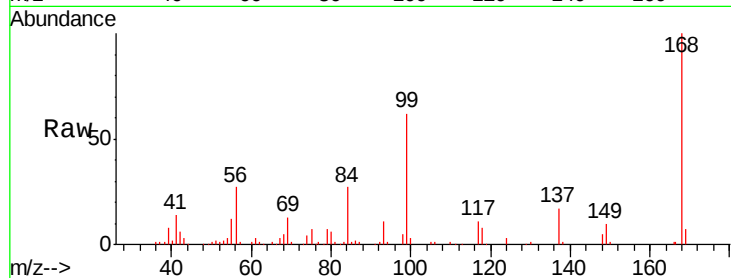
99 61.9 48.3 72.5

Manual Integrations

APPROVED

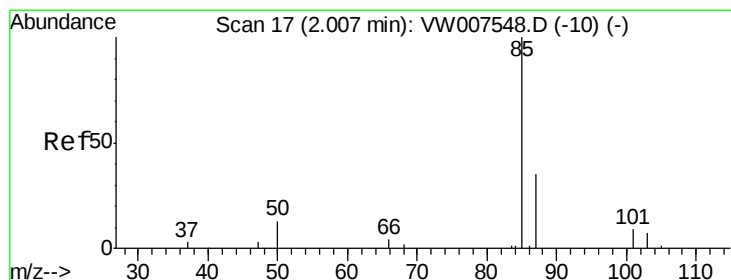
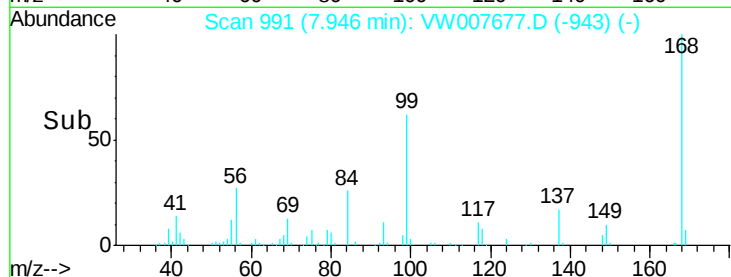
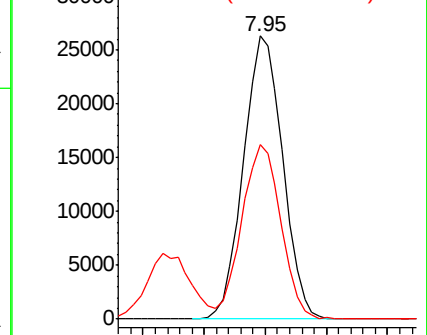
apatel

12/19/2018 12:15:42 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.133 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007677.D

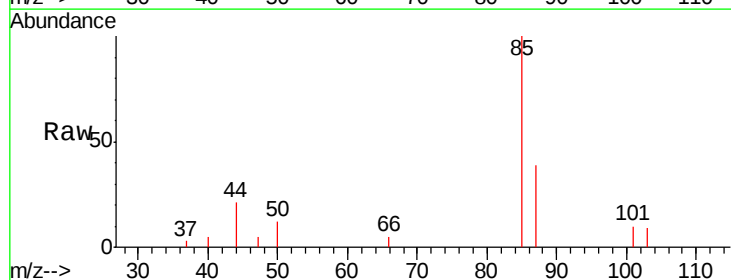
Acq: 19 Dec 2018 01:31

Tgt Ion: 85 Resp: 8236

Ion Ratio Lower Upper

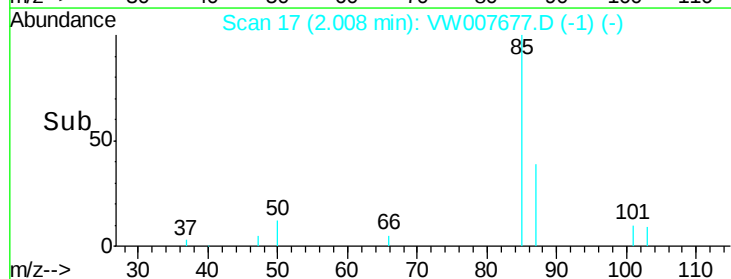
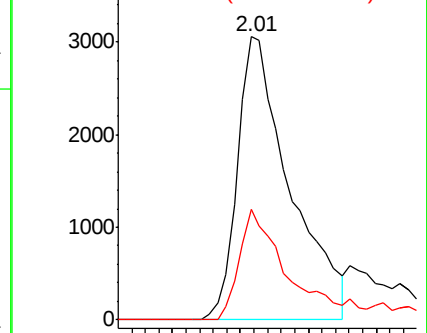
85 100

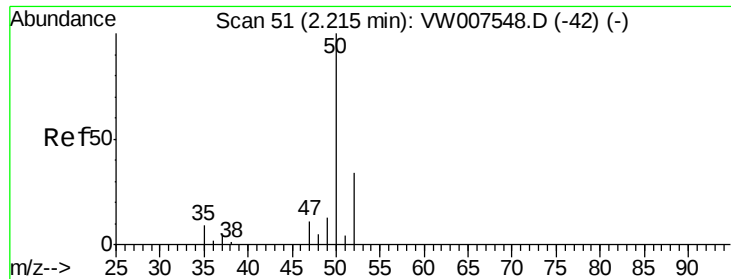
87 39.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.043 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

ClientSampleId :

VW1220SBS02

Tgt Ion: 50 Resp: 6867

Ion Ratio Lower Upper

50 100

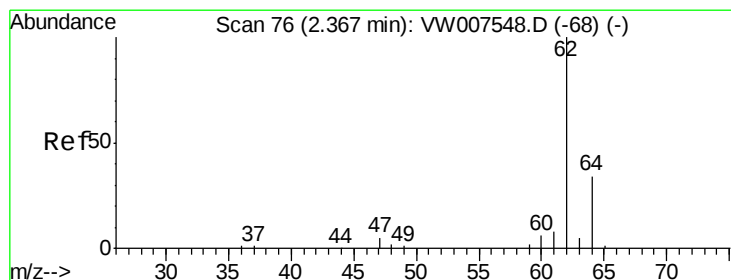
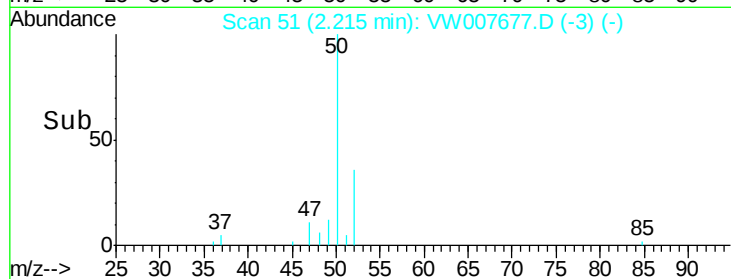
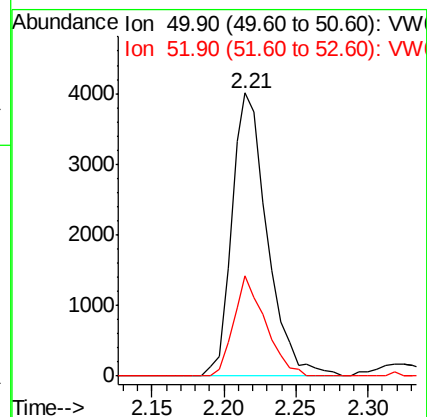
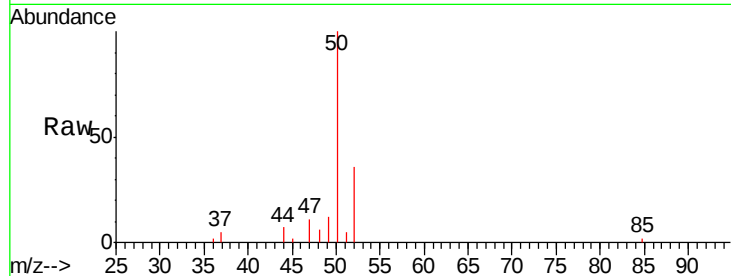
52 35.6 27.4 41.0

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:42 PM



#4

Vinyl Chloride

Concen: 21.228 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007677.D

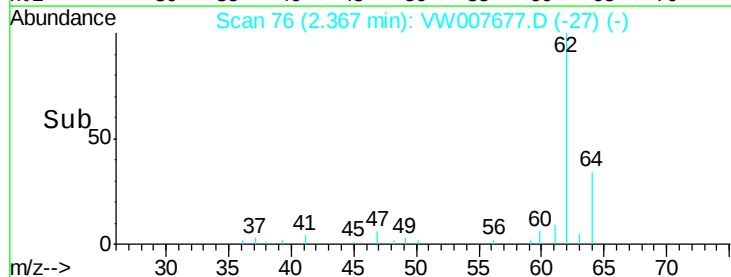
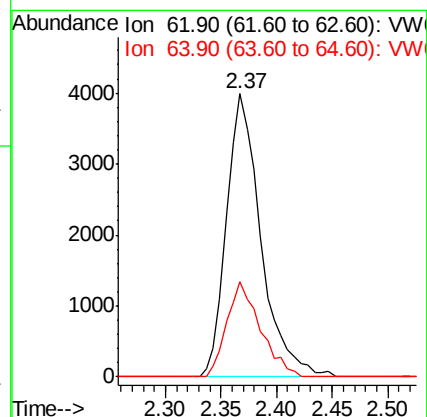
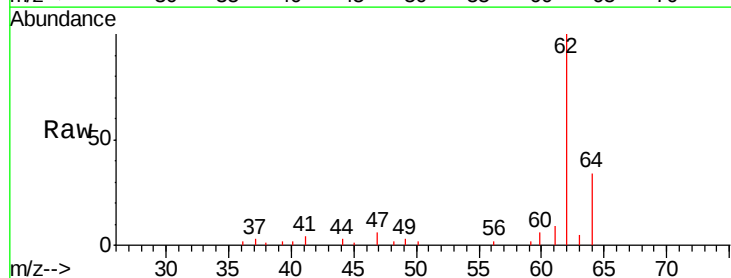
Acq: 19 Dec 2018 01:31

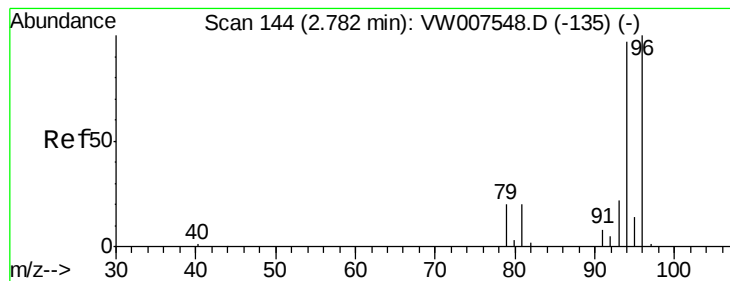
Tgt Ion: 62 Resp: 8535

Ion Ratio Lower Upper

62 100

64 33.7 24.6 37.0





#5

Bromomethane

Concen: 23.066 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

ClientSampleId :

VW1220SBS02

Tgt Ion: 94 Resp: 6231

Ion Ratio Lower Upper

94 100

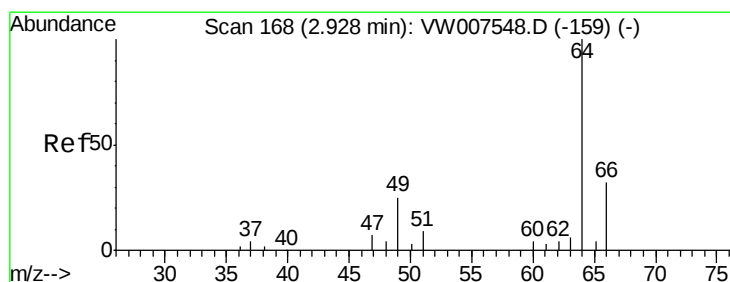
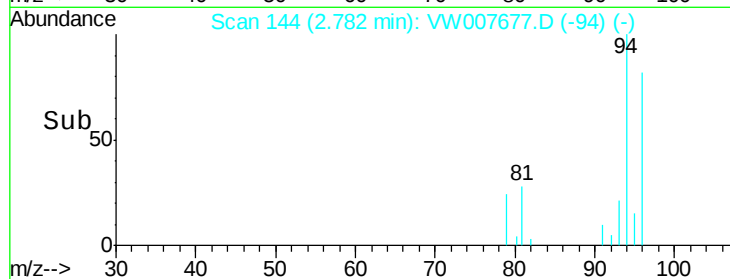
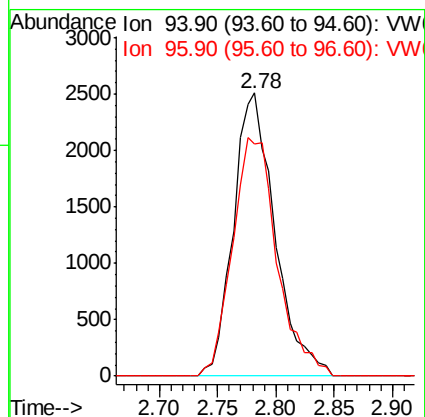
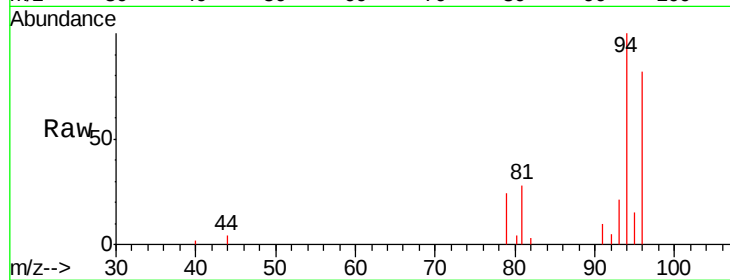
96 82.1 71.0 106.4

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:42 PM



#6

Chloroethane

Concen: 22.139 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007677.D

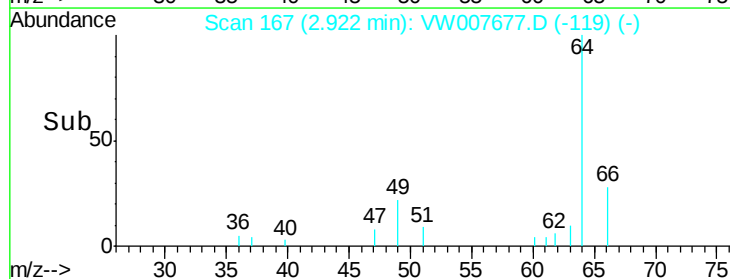
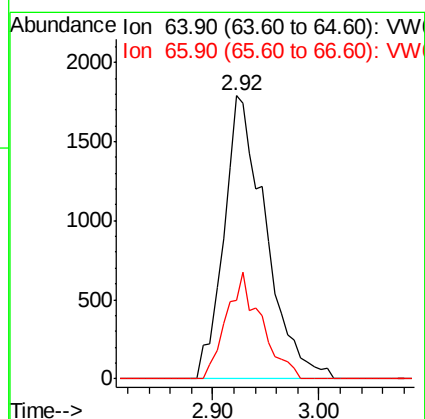
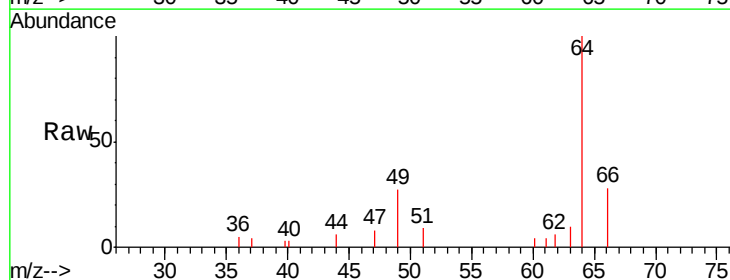
Acq: 19 Dec 2018 01:31

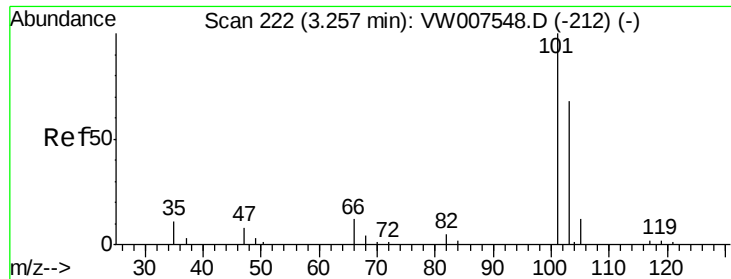
Tgt Ion: 64 Resp: 4900

Ion Ratio Lower Upper

64 100

66 27.8 24.6 37.0





#7

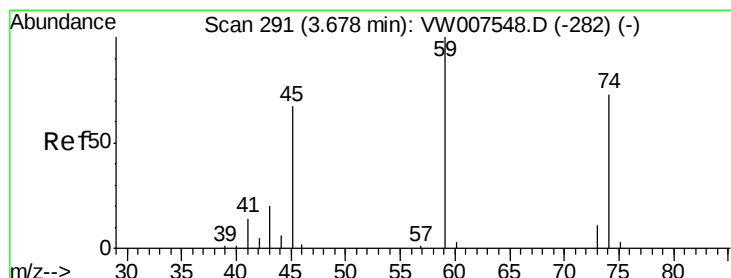
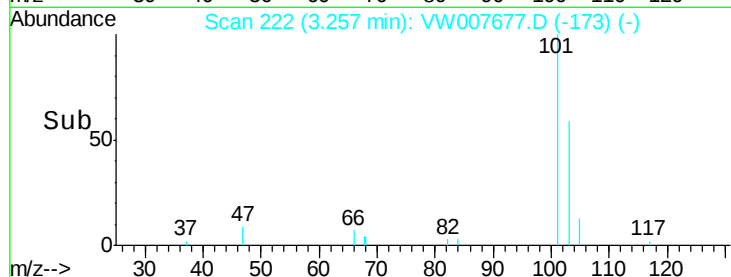
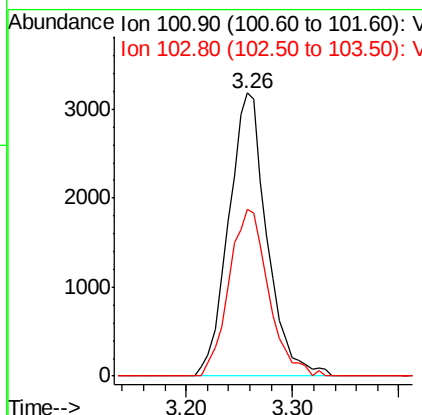
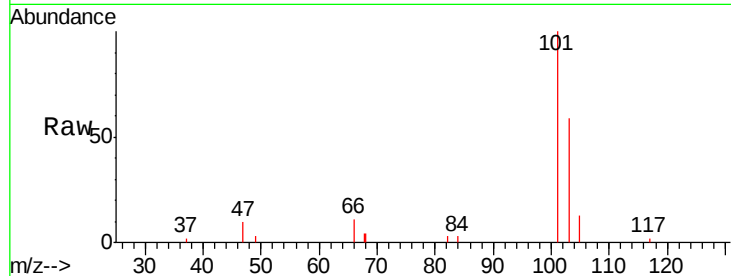
Trichlorofluoromethane
 Concen: 22.173 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	59.0	51.7	77.5

Manual Integrations
 APPROVED

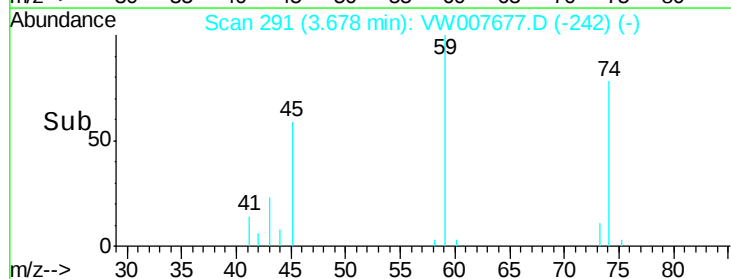
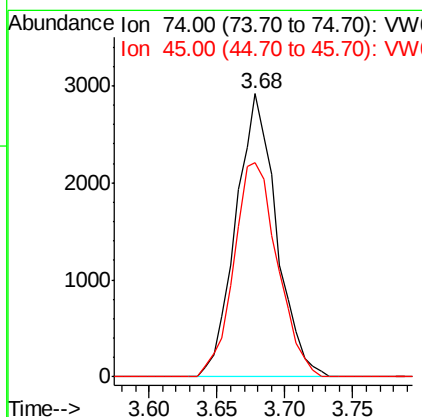
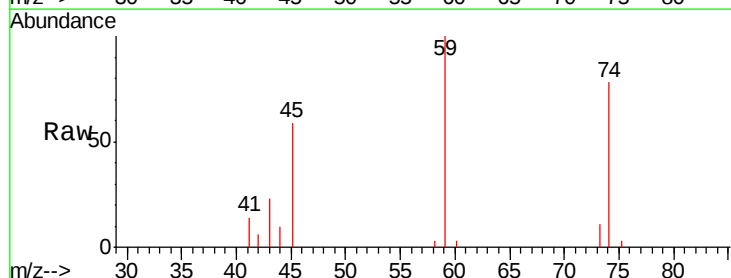
apatel
 12/19/2018 12:15:42 PM

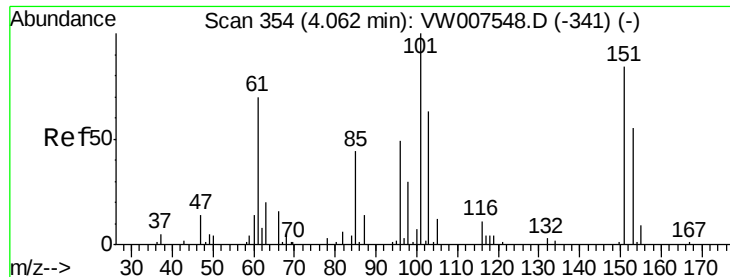


#8

Diethyl Ether
 Concen: 21.518 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.0	43.0	129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.760 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.02 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

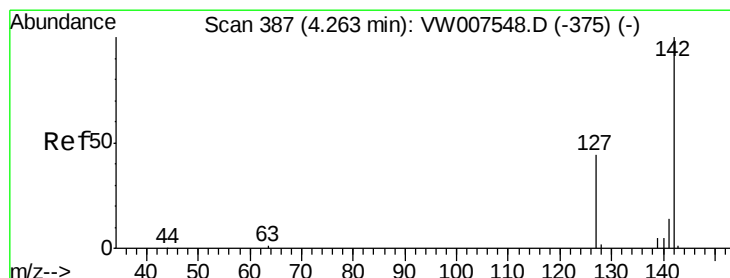
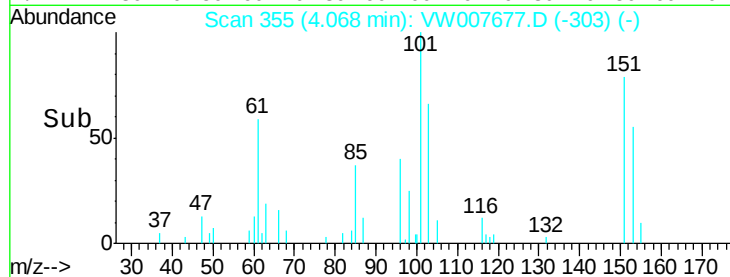
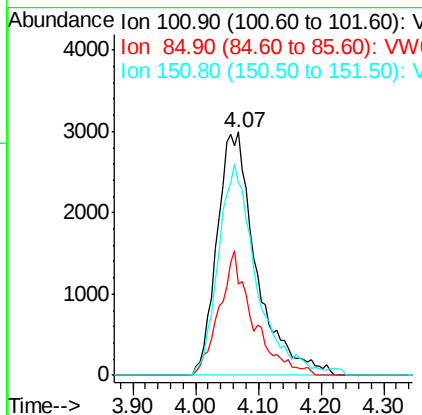
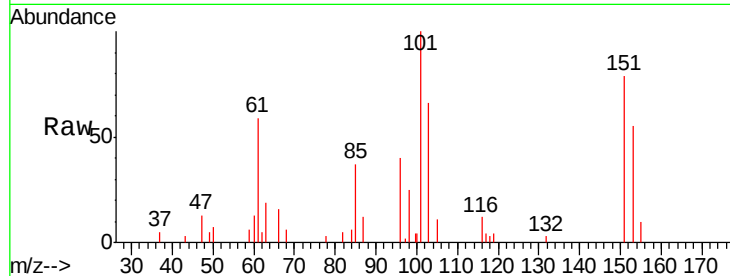
ClientSampleId :

VW1220SBS02

Tgt Ion:	101	Resp:	12979
Ion Ratio	Lower	Upper	
101	100		
85	44.1	33.9	50.9
151	84.2	63.7	95.5

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM



#10

Methyl Iodide

Concen: 22.382 ug/l

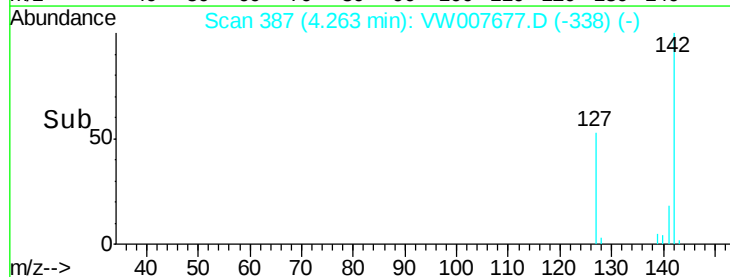
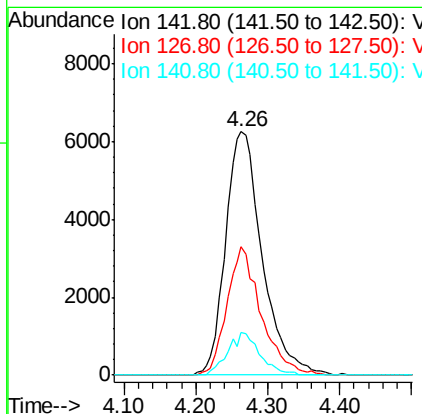
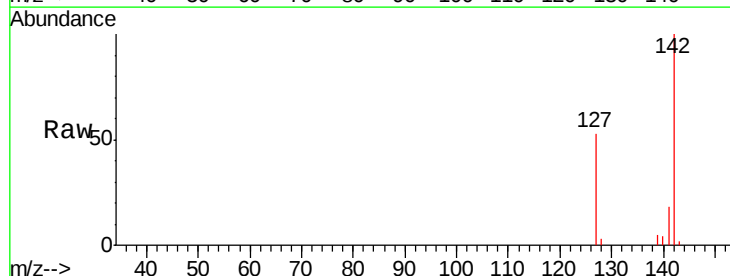
RT: 4.26 min Scan# 387

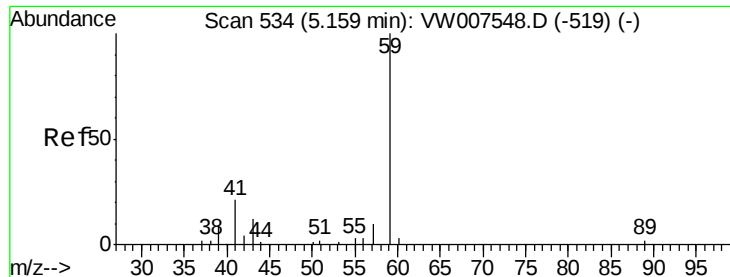
Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Tgt Ion:	142	Resp:	22110
Ion Ratio	Lower	Upper	
142	100		
127	49.0	35.8	53.6
141	15.3	11.1	16.7





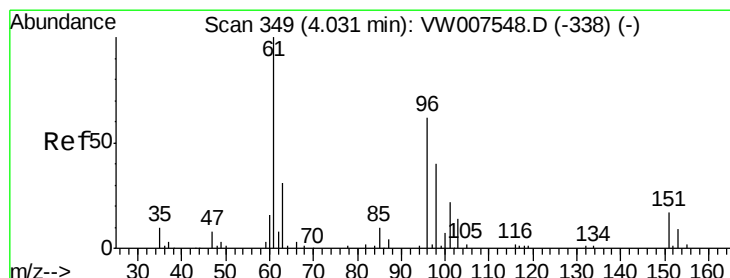
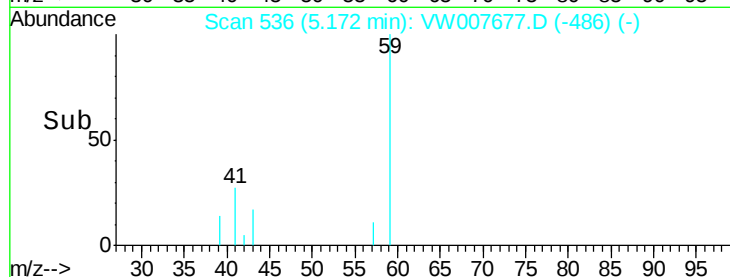
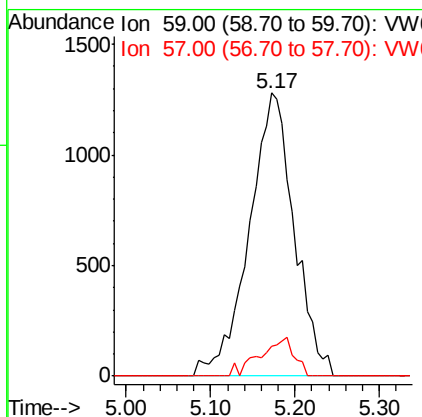
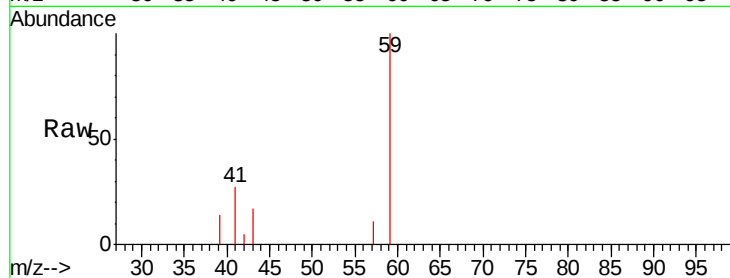
#11
Tert butyl alcohol
Concen: 105.191 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion: 59 Resp: 4692
Ion Ratio Lower Upper
59 100
57 10.3 7.6 11.4

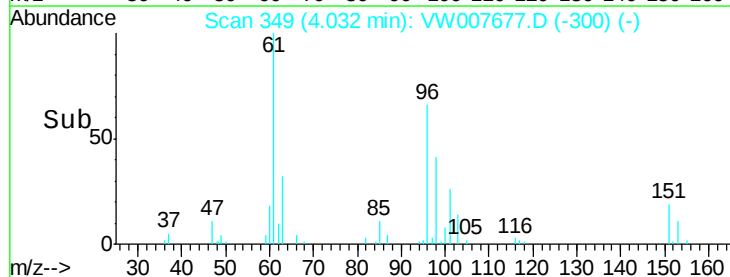
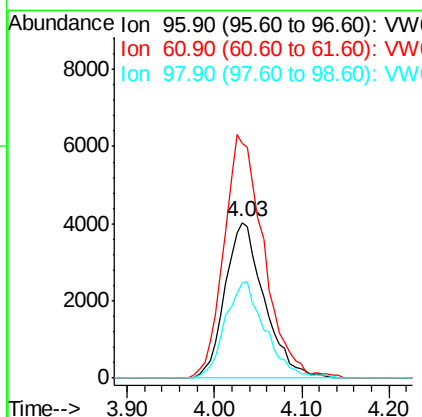
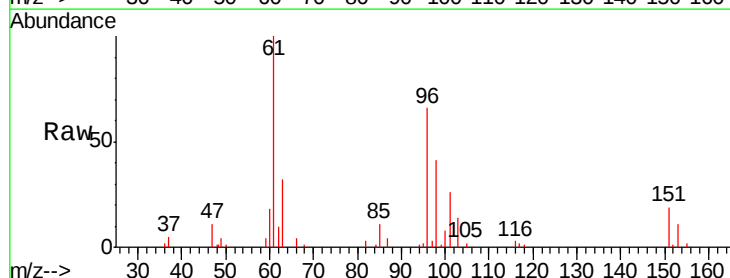
Manual Integrations
APPROVED

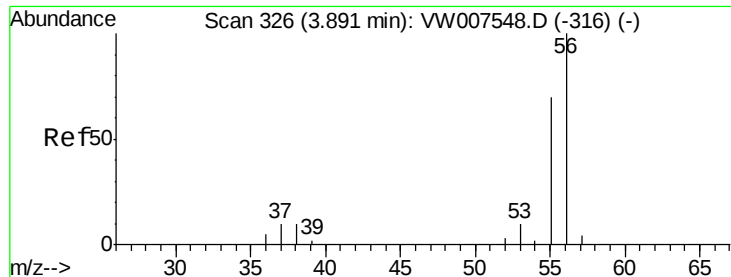
apatel
12/19/2018 12:15:42 PM



#12
1,1-Dichloroethene
Concen: 21.950 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion: 96 Resp: 12605
Ion Ratio Lower Upper
96 100
61 150.6 126.2 189.2
98 61.1 48.3 72.5





#13

Acrolein

Concen: 92.056 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

ClientSampleId :

VW1220SBS02

Tgt Ion: 56 Resp: 2717

Ion Ratio Lower Upper

56 100

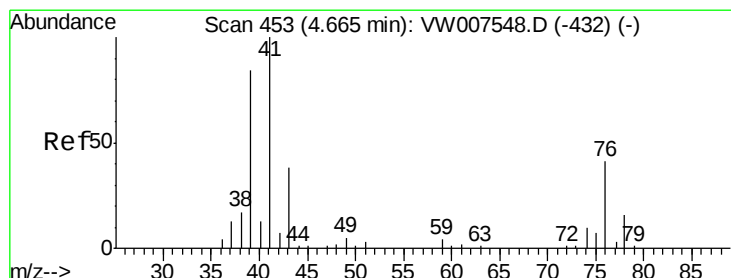
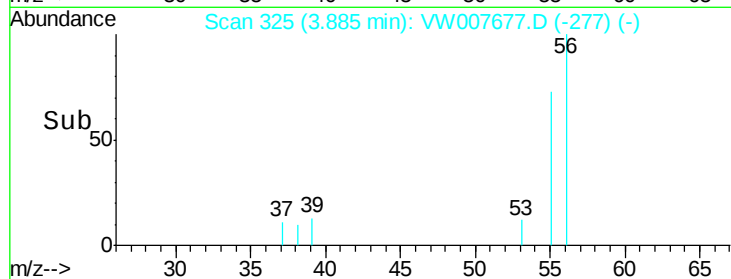
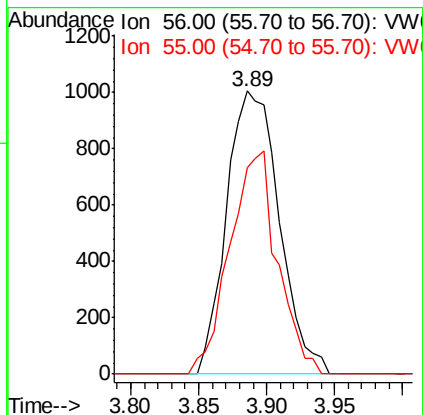
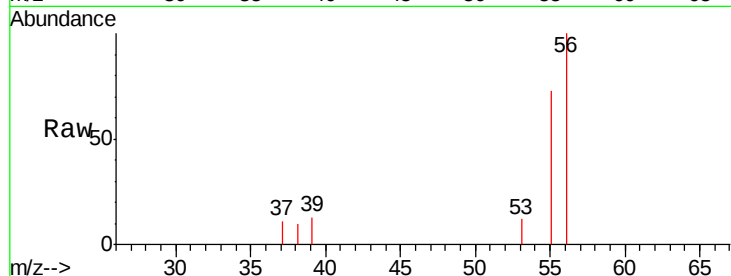
55 71.4 57.4 86.2

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:42 PM



#14

Allyl chloride

Concen: 20.284 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

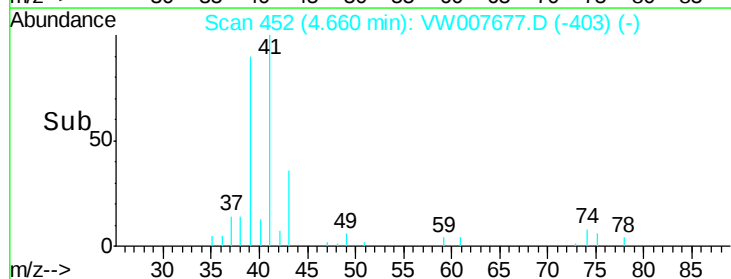
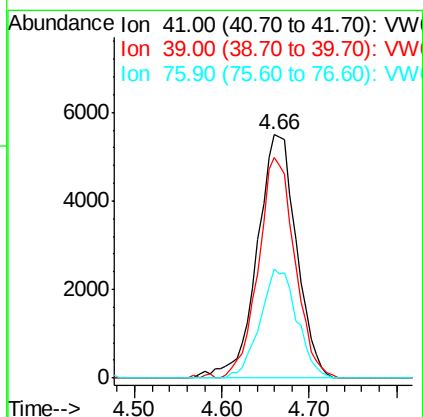
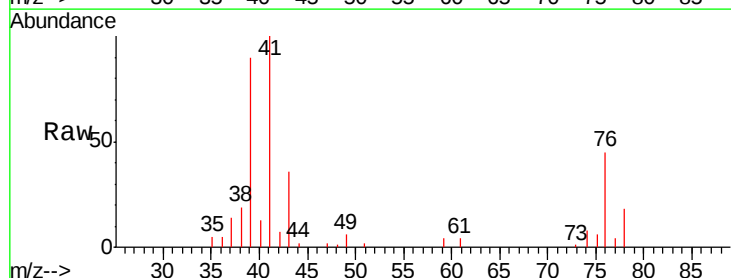
Tgt Ion: 41 Resp: 17170

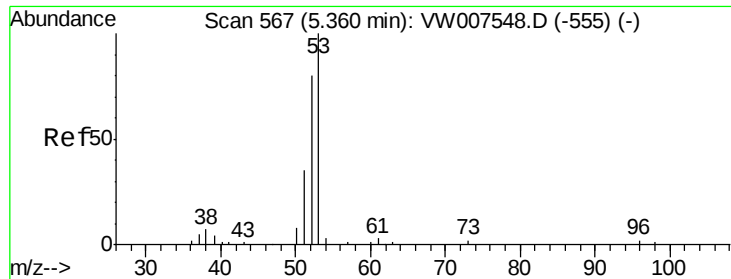
Ion Ratio Lower Upper

41 100

39 84.0 63.4 95.2

76 42.0 32.1 48.1





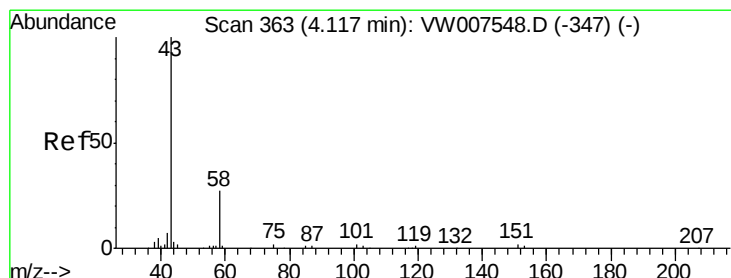
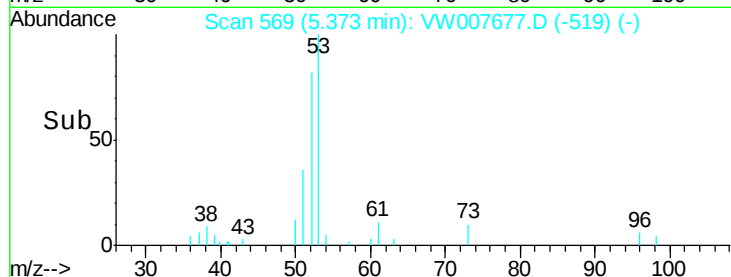
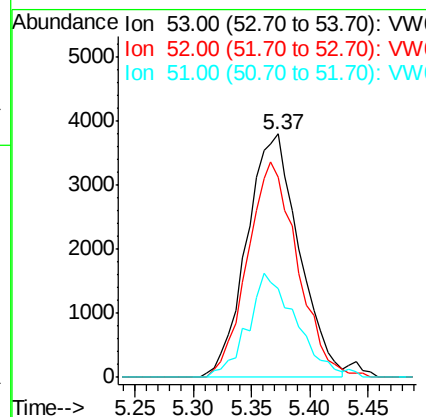
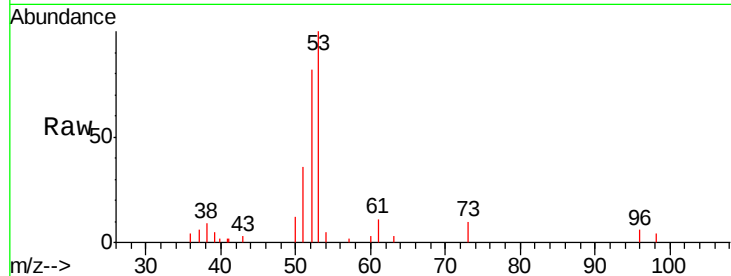
#15
Acrylonitrile
Concen: 99.323 ug/l
RT: 5.37 min Scan# 569
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.1	67.4	101.2
51	39.7	30.2	45.2

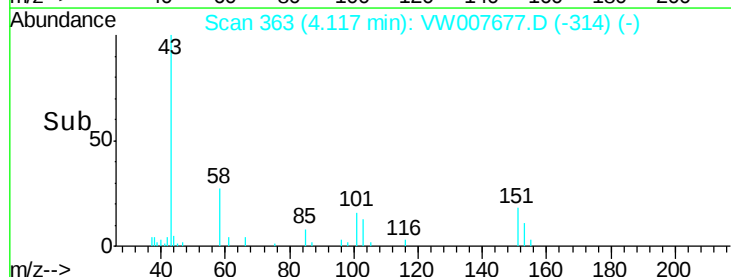
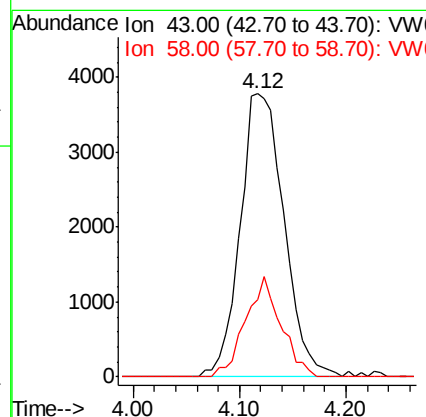
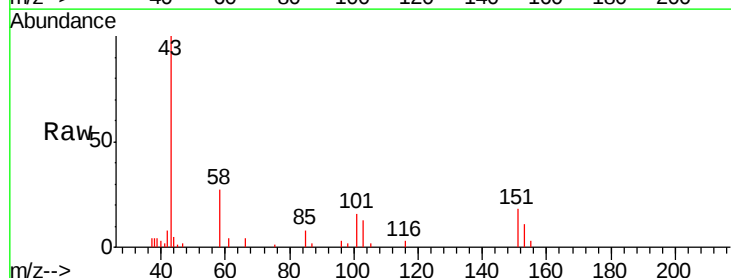
Manual Integrations
APPROVED

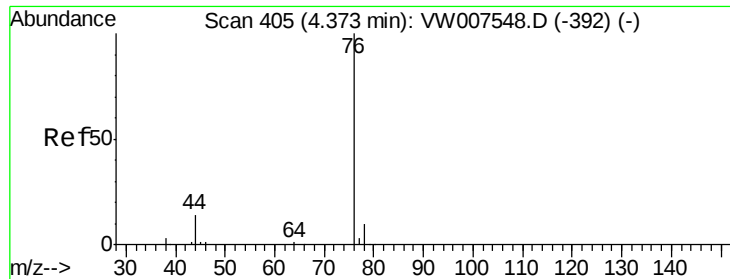
apatel
12/19/2018 12:15:42 PM



#16
Acetone
Concen: 96.216 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.4	24.9	37.3





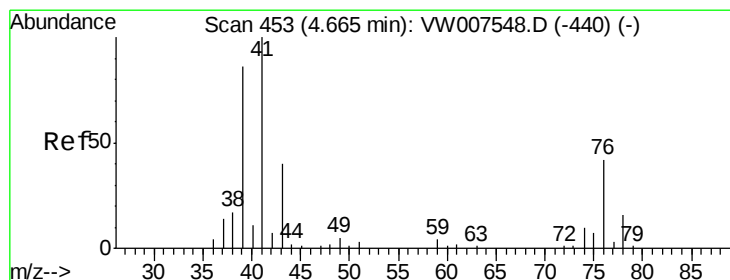
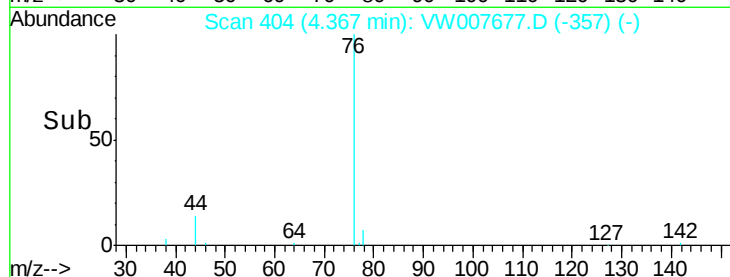
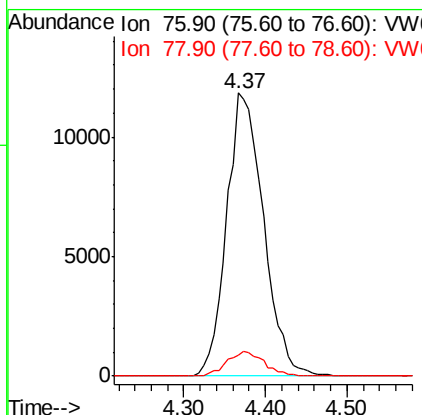
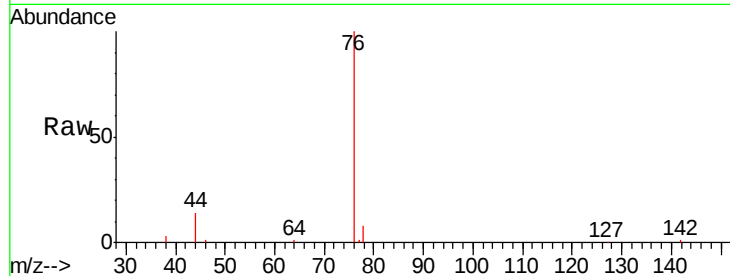
#17
Carbon Disulfide
Concen: 21.308 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion: 76 Resp: 37102
Ion Ratio Lower Upper
76 100
78 7.6 7.1 10.7

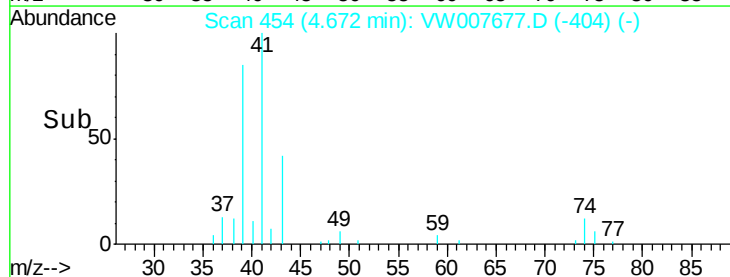
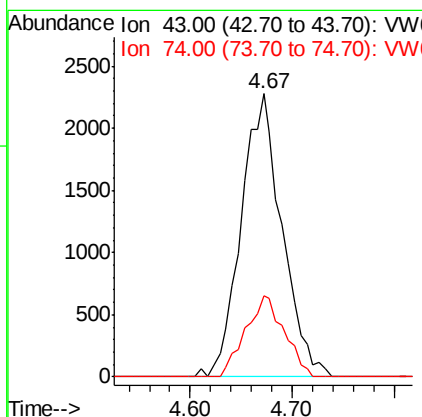
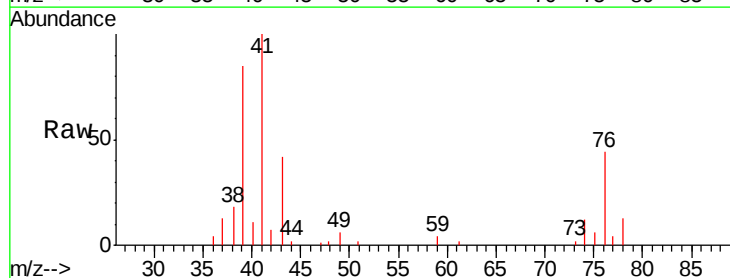
Manual Integrations
APPROVED

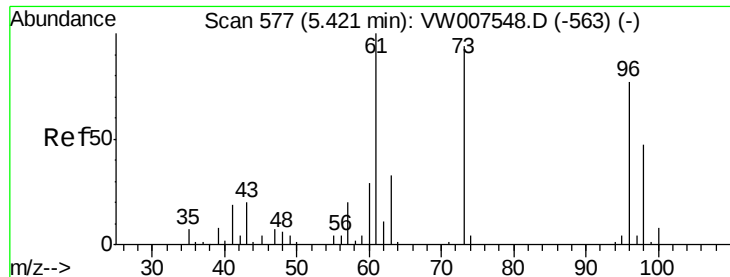
apatel
12/19/2018 12:15:42 PM



#18
Methyl Acetate
Concen: 20.585 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion: 43 Resp: 6338
Ion Ratio Lower Upper
43 100
74 27.0 21.1 31.7





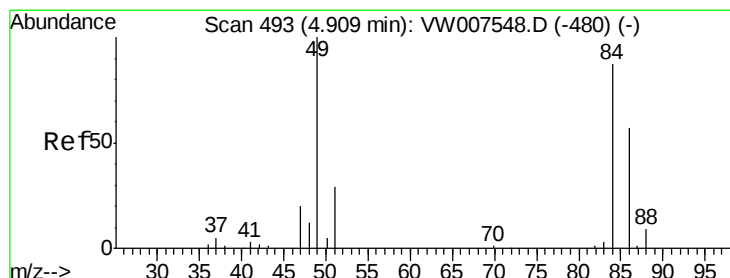
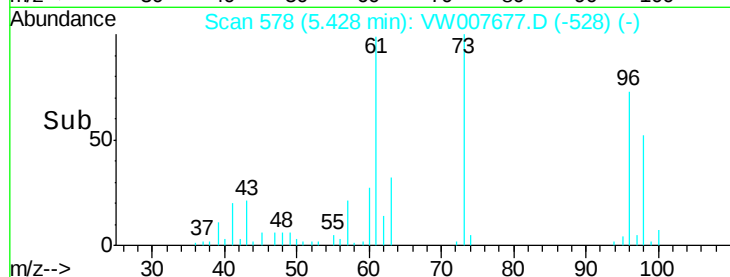
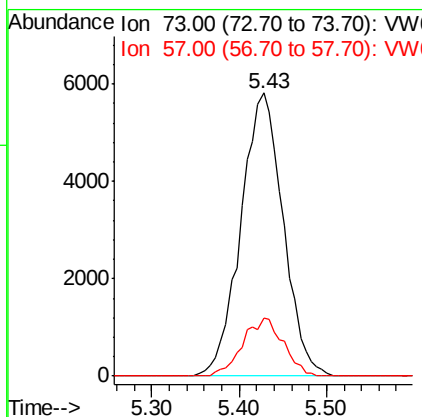
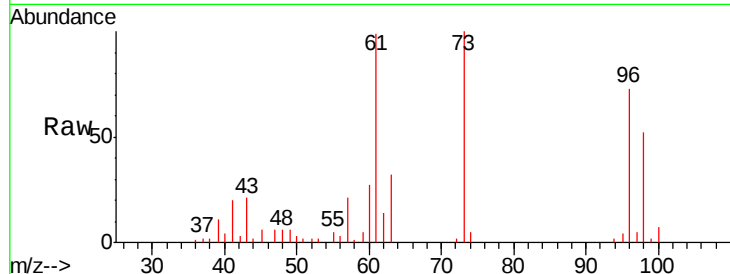
#19
Methyl tert-butyl Ether
Concen: 22.576 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion: 73 Resp: 19558
Ion Ratio Lower Upper
73 100
57 20.6 16.4 24.6

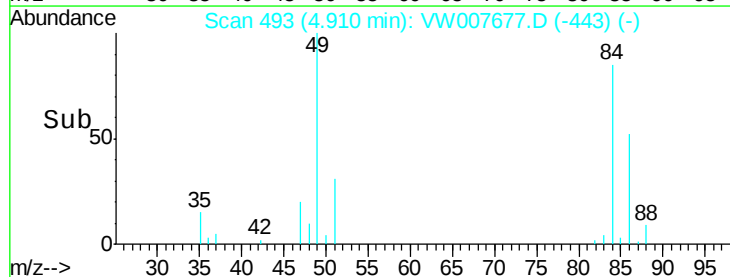
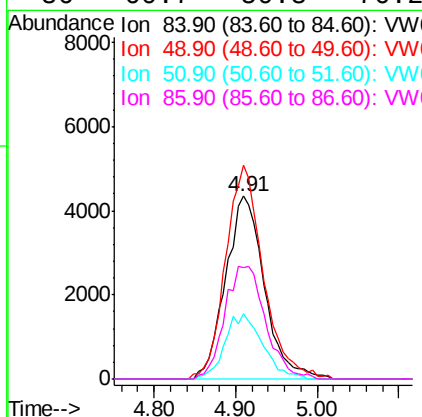
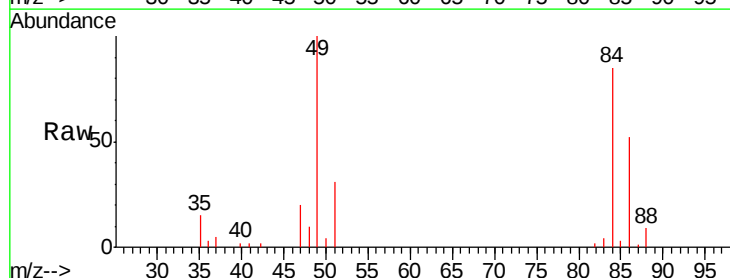
Manual Integrations
APPROVED

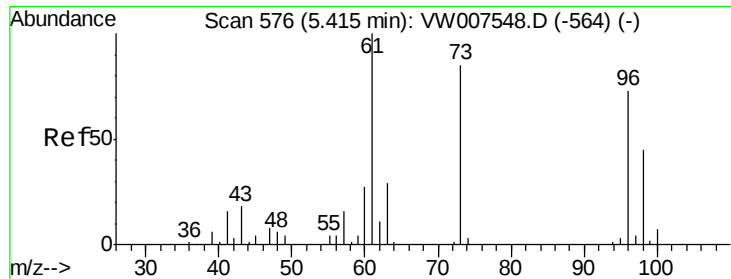
apatel
12/19/2018 12:15:42 PM



#20
Methylene Chloride
Concen: 20.765 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion: 84 Resp: 14303
Ion Ratio Lower Upper
84 100
49 117.0 87.1 130.7
51 36.0 28.2 42.2
86 60.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.877 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

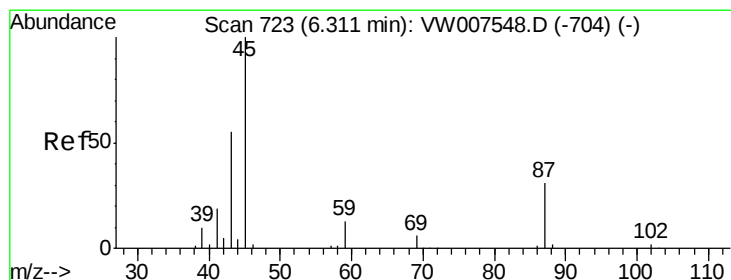
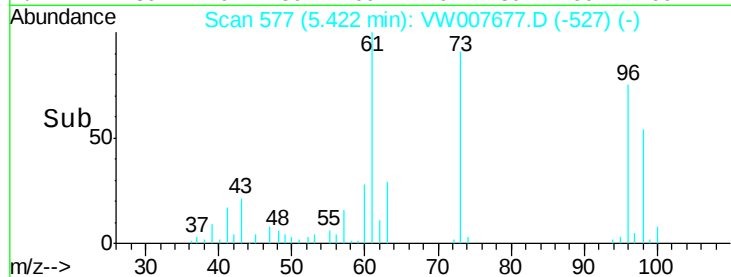
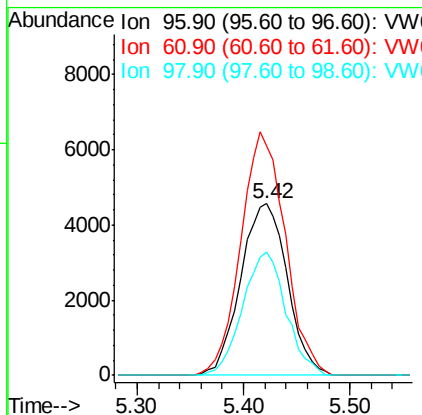
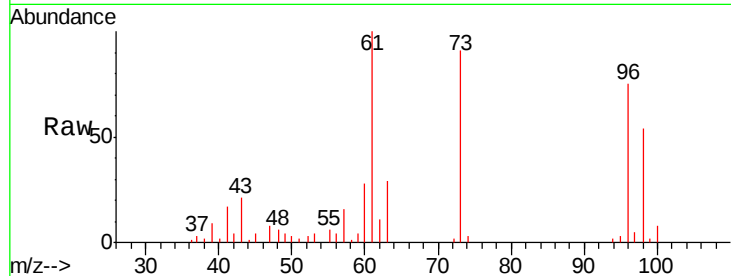
ClientSampleId :

VW1220SBS02

Tgt Ion:	96	Resp:	14054
Ion	Ratio	Lower	Upper
96	100		
61	133.8	105.0	157.6
98	71.8	49.7	74.5

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM



#22

Diisopropyl ether

Concen: 20.635 ug/l

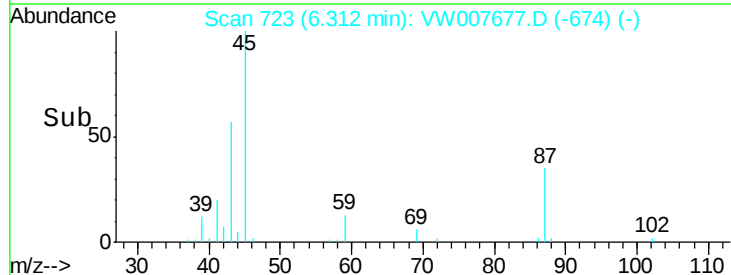
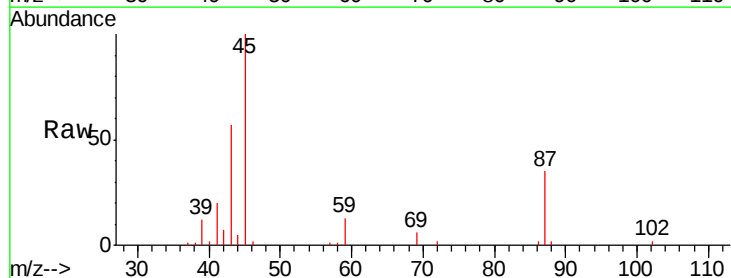
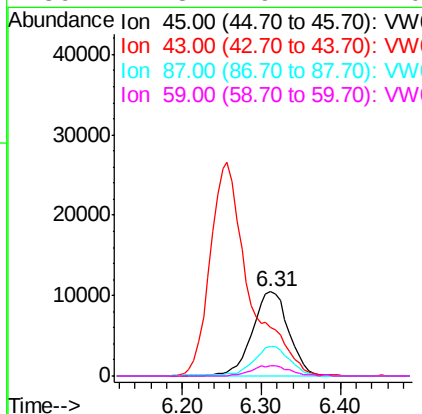
RT: 6.31 min Scan# 723

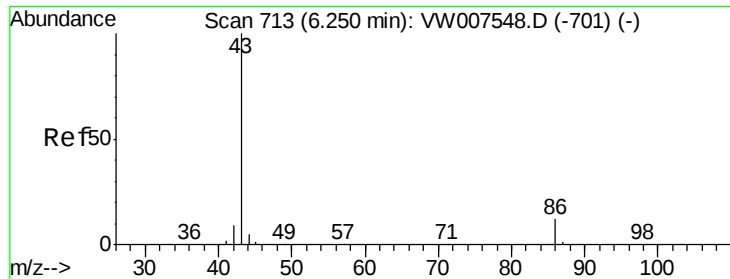
Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Tgt Ion:	45	Resp:	33574
Ion	Ratio	Lower	Upper
45	100		
43	56.3	41.6	62.4
87	34.5	24.3	36.5
59	12.8	9.4	14.0





#23

Vinyl Acetate

Concen: 100.584 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

ClientSampleId :

VW1220SBS02

Tgt Ion: 43 Resp: 91539

Ion Ratio Lower Upper

43 100

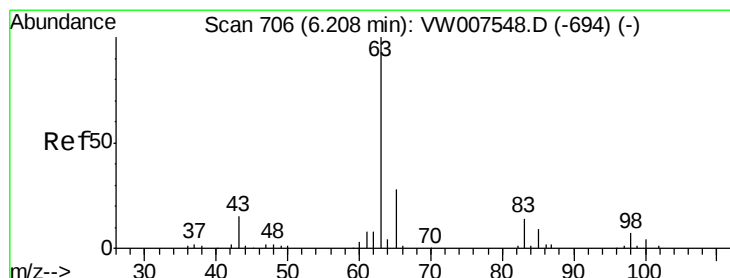
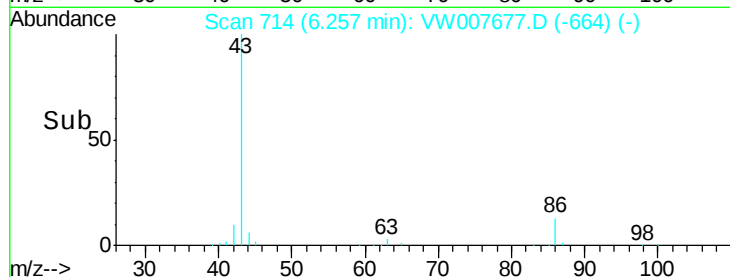
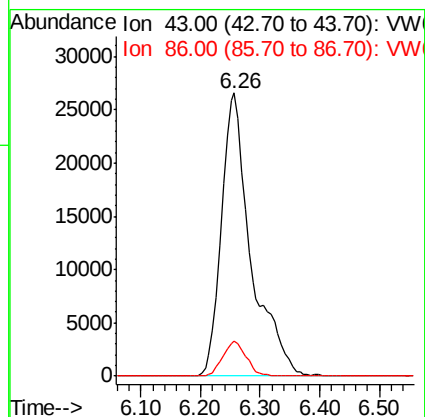
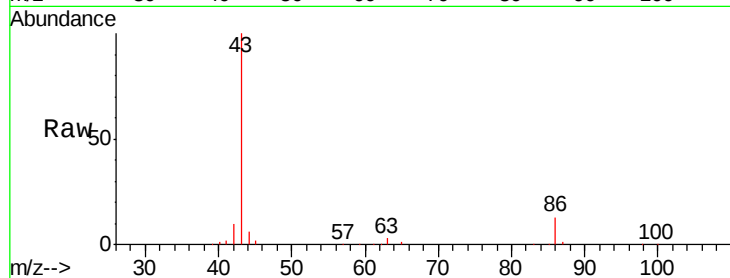
86 12.5 8.6 12.8

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:42 PM



#24

1,1-Dichloroethane

Concen: 22.007 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

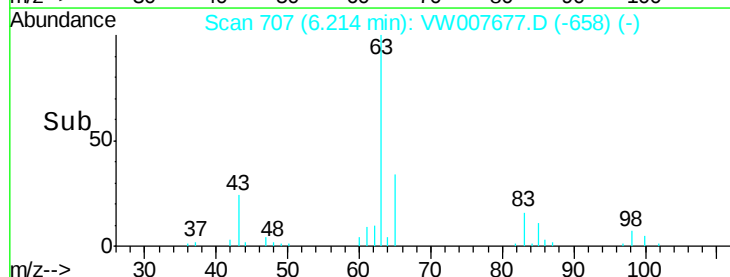
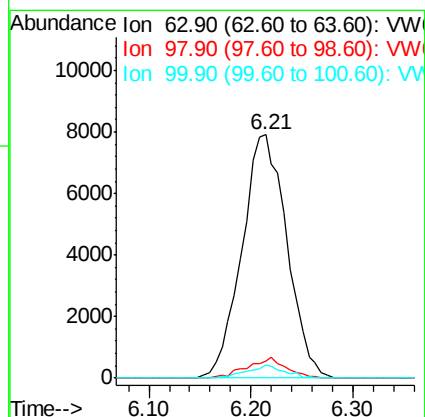
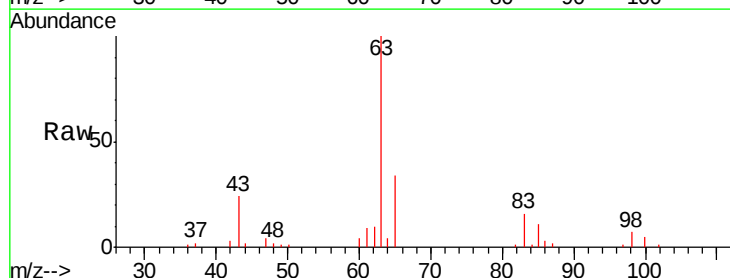
Tgt Ion: 63 Resp: 24201

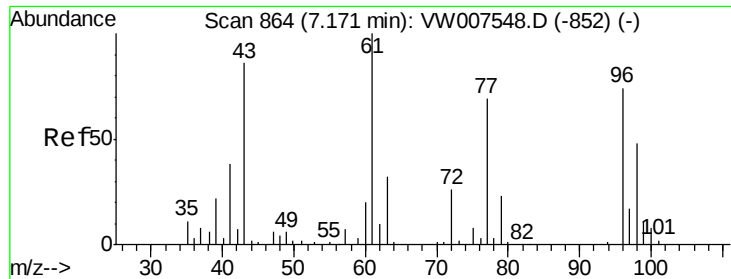
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 5.3 2.5 7.5





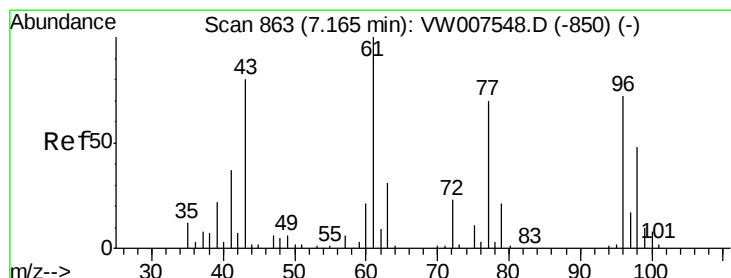
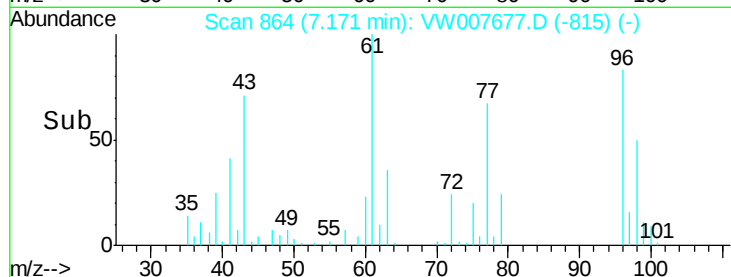
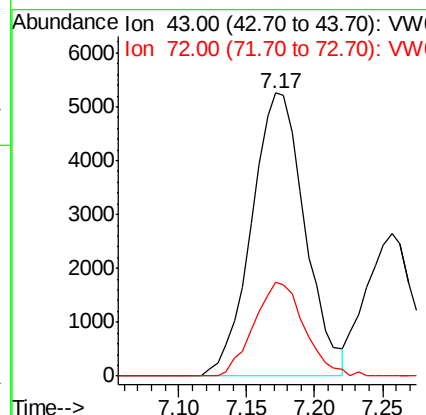
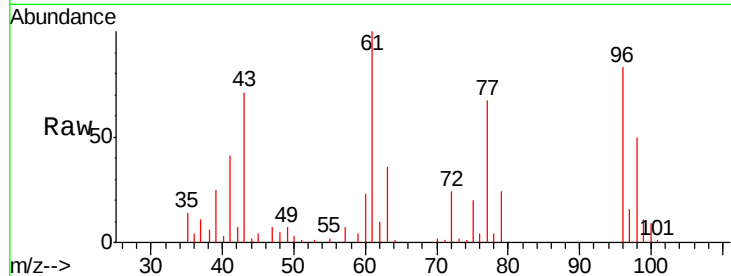
#25
2-Butanone
Concen: 97.347 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion: 43 Resp: 14417
Ion Ratio Lower Upper
43 100
72 33.1 23.4 35.2

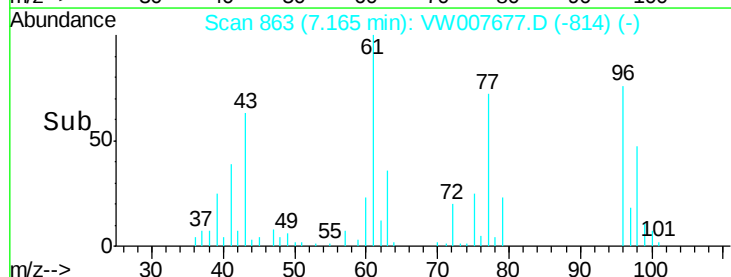
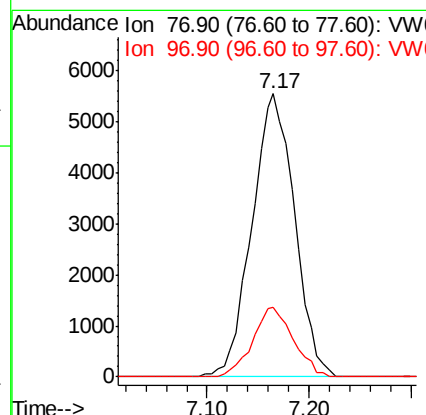
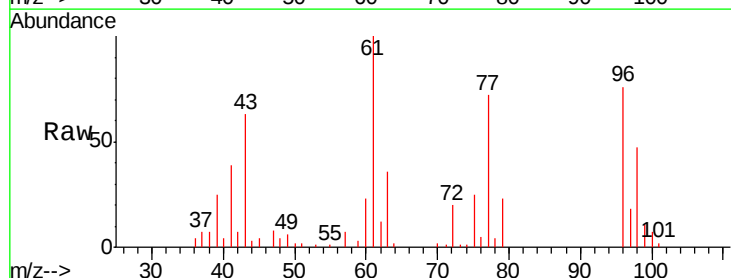
Manual Integrations
APPROVED

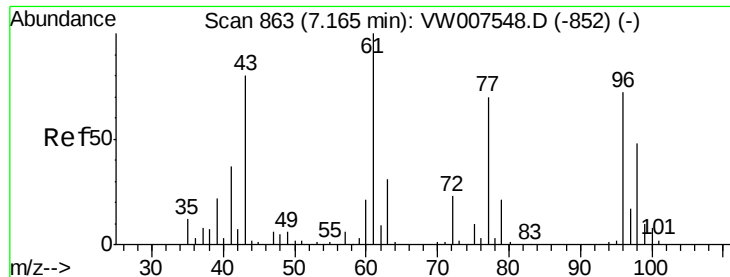
apatel
12/19/2018 12:15:42 PM



#26
2,2-Dichloropropane
Concen: 22.082 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion: 77 Resp: 16071
Ion Ratio Lower Upper
77 100
97 23.5 11.6 34.8





#27

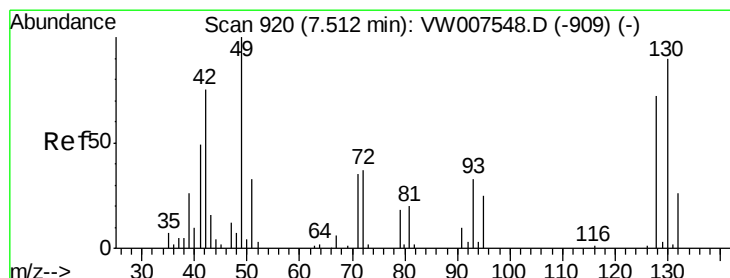
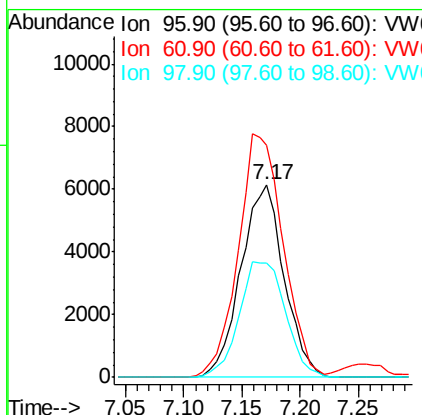
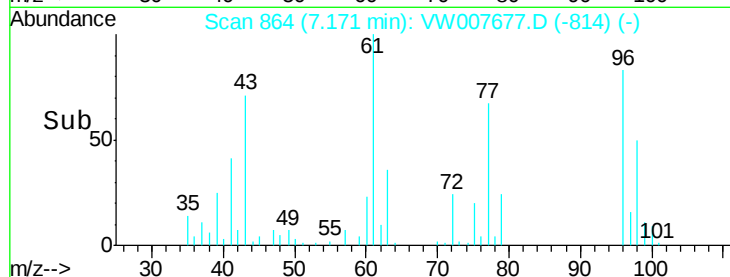
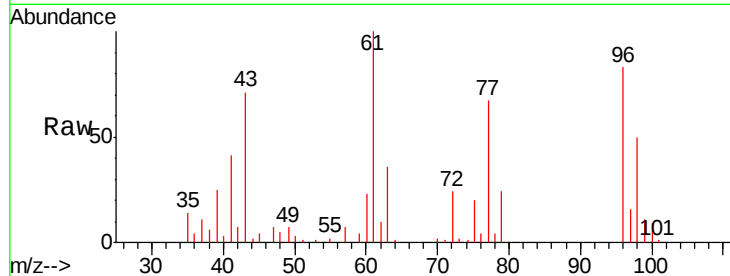
cis-1,2-Dichloroethene
Concen: 22.522 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.4	0.0	268.4
98	64.3	0.0	127.8

Manual Integrations
APPROVED

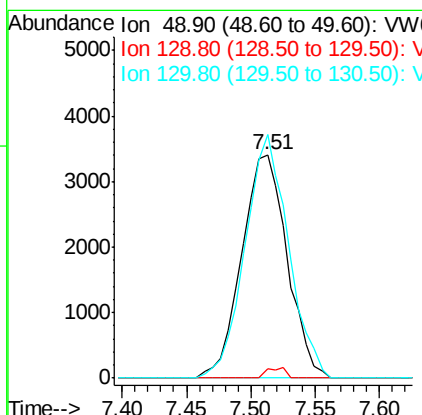
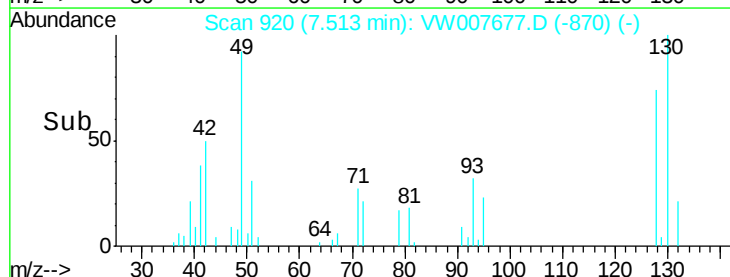
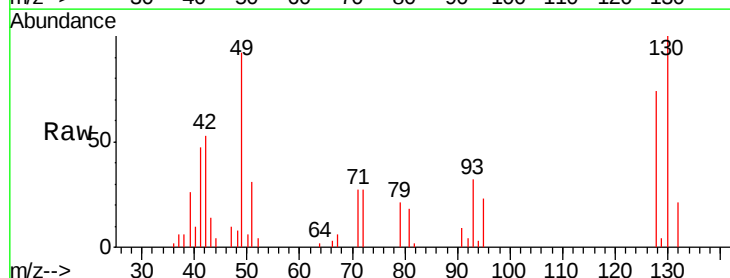
apatel
12/19/2018 12:15:42 PM

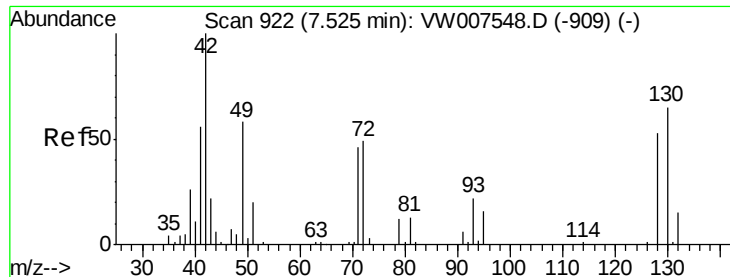


#28

Bromochloromethane
Concen: 20.064 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.6
130	104.3	75.9	113.9





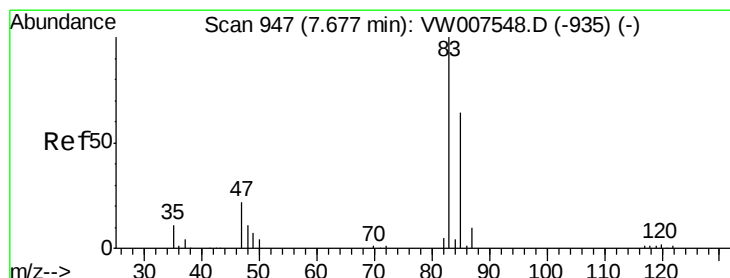
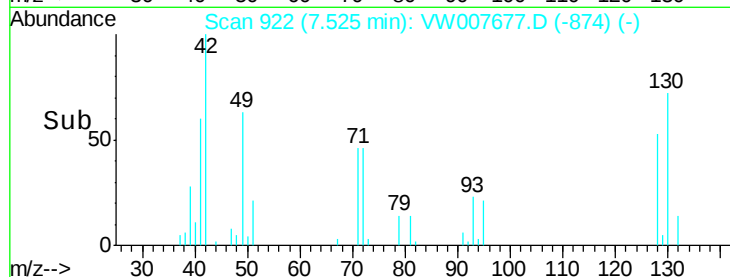
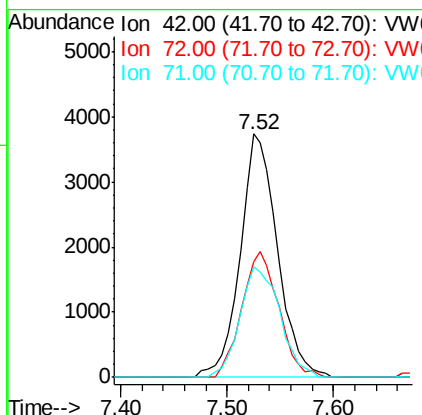
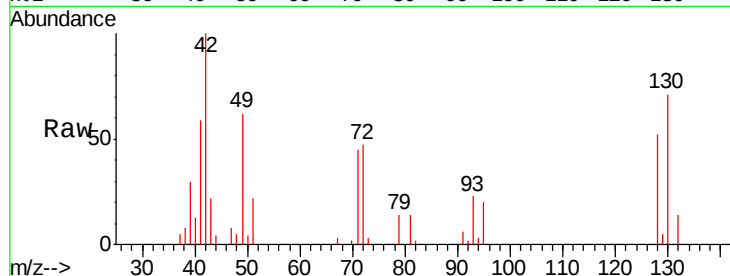
#29
Tetrahydrofuran
Concen: 97.785 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	51.3	38.2	57.4
71	49.0	35.5	53.3

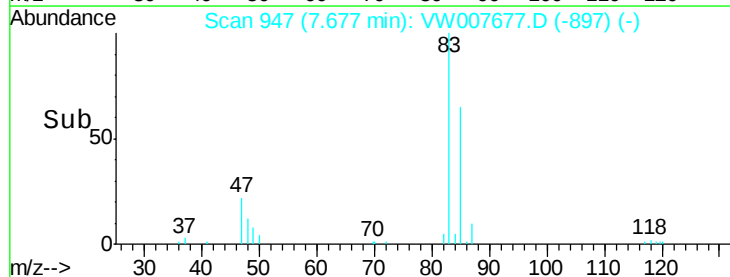
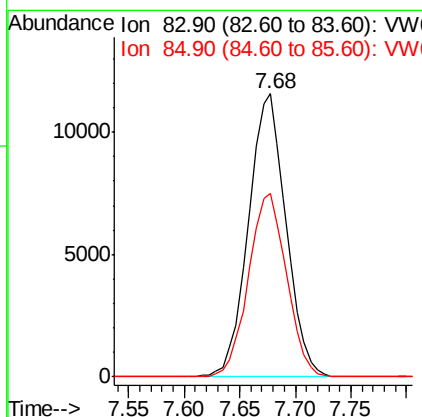
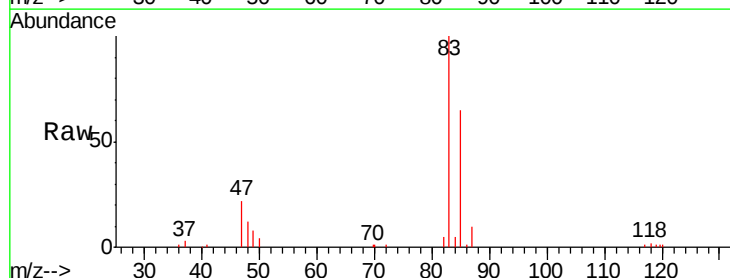
Manual Integrations
APPROVED

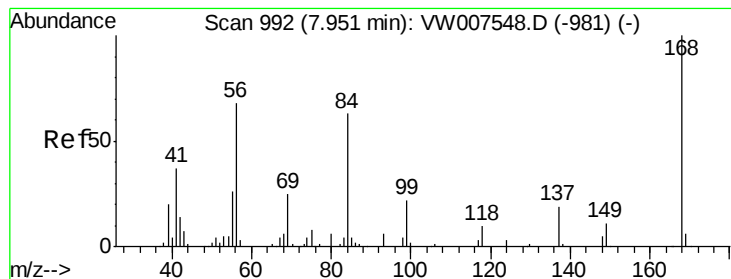
apatel
12/19/2018 12:15:42 PM



#30
Chloroform
Concen: 22.663 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8





#31

Cyclohexane

Concen: 19.701 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

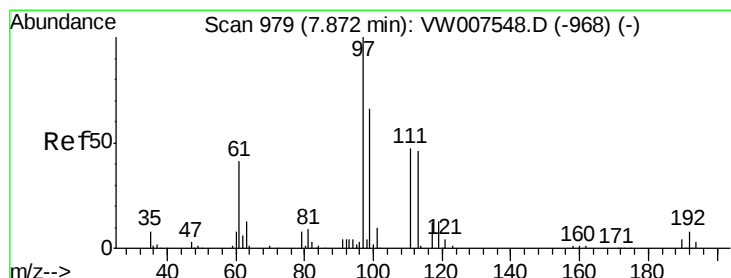
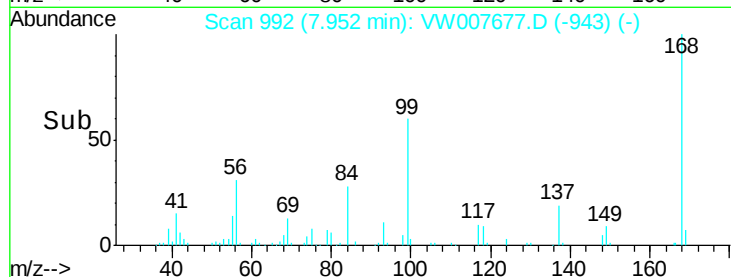
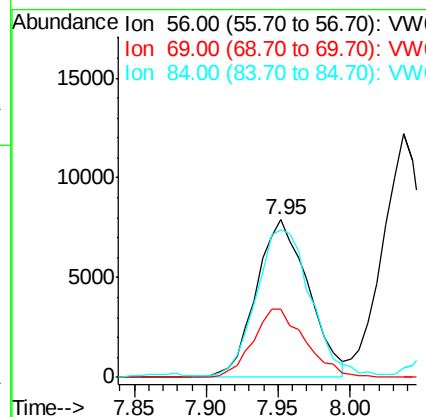
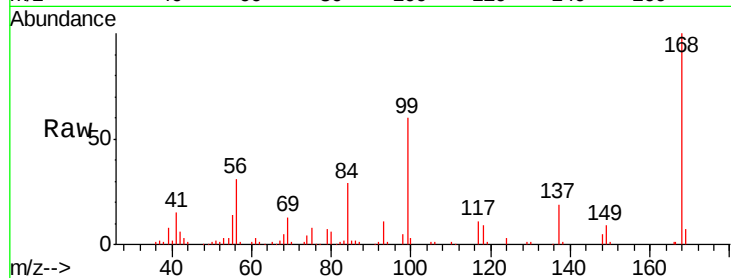
ClientSampleId :

VW1220SBS02

Tgt Ion:	56	Resp:	19877
Ion Ratio	Lower	Upper	
56	100		
69	43.2	28.9	43.3
84	92.7	71.8	107.6

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM



#32

1,1,1-Trichloroethane

Concen: 23.436 ug/l

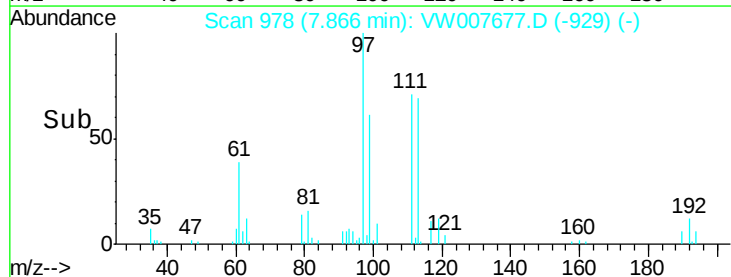
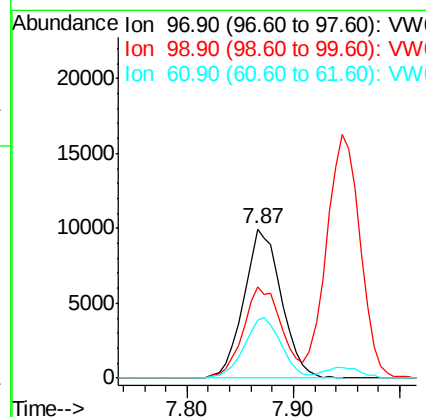
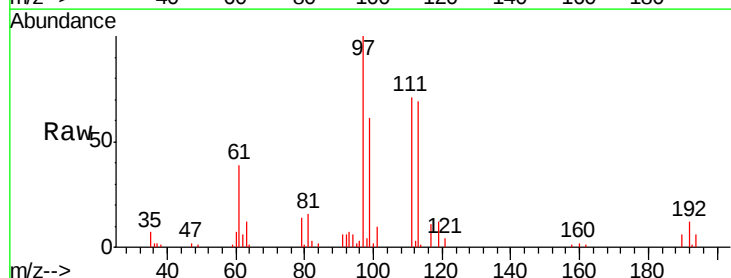
RT: 7.87 min Scan# 978

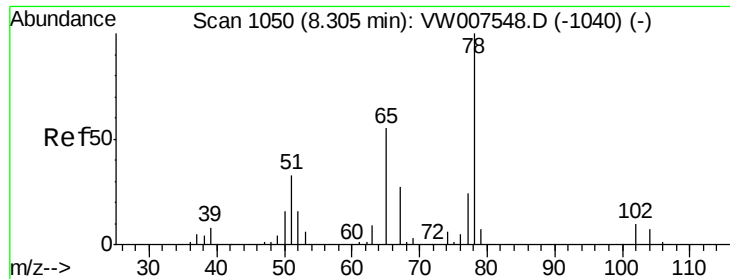
Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Tgt Ion:	97	Resp:	24595
Ion Ratio	Lower	Upper	
97	100		
99	63.2	51.1	76.7
61	40.2	33.2	49.8





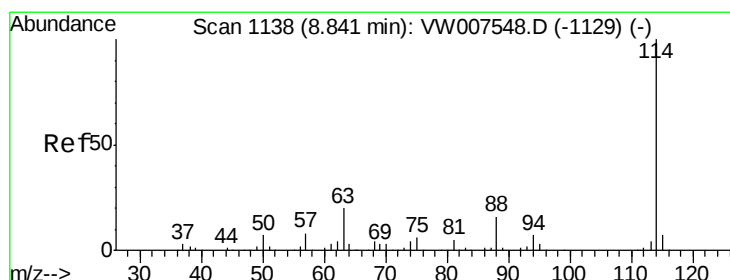
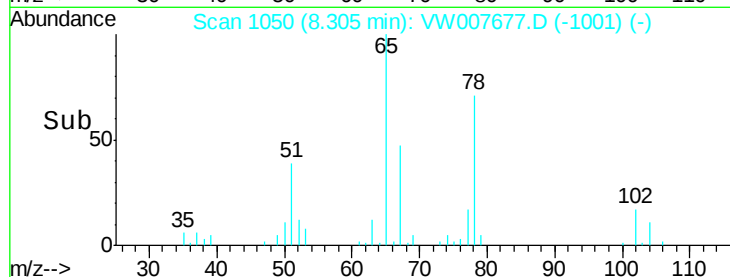
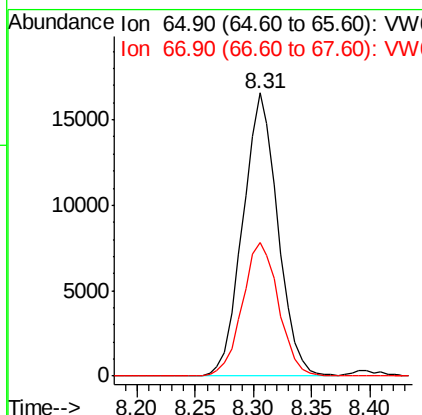
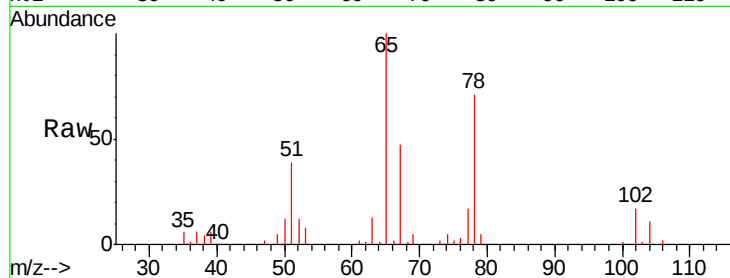
#33
 1,2-Dichloroethane-d4
 Concen: 53.415 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	34691		
67	48.8	0.0	101.6	

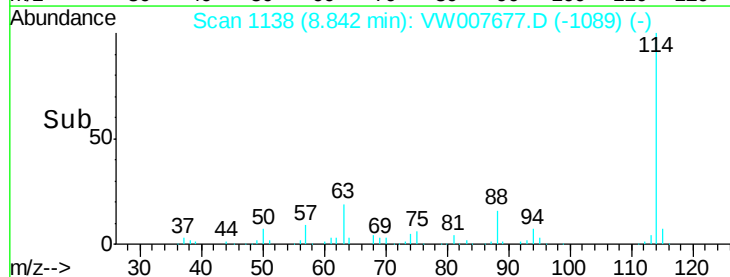
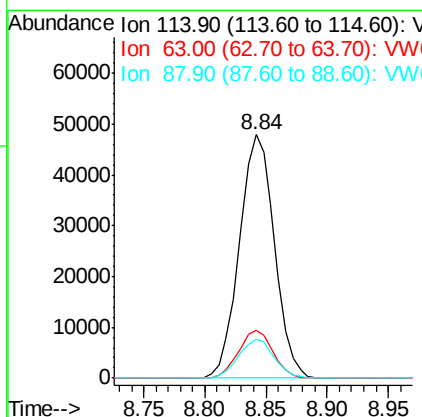
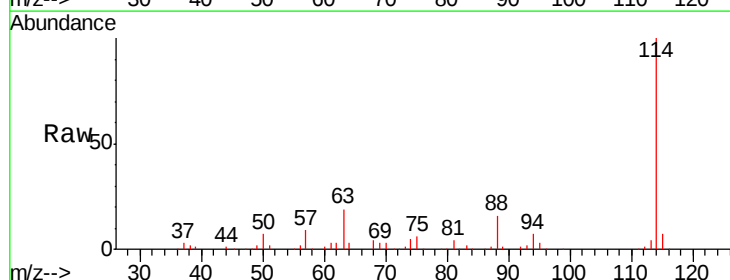
Manual Integrations
 APPROVED

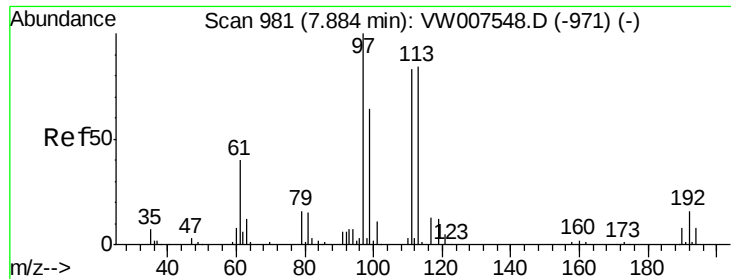
apatel
 12/19/2018 12:15:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	95066		
63	19.4	0.0	39.6	
88	16.1	0.0	31.4	





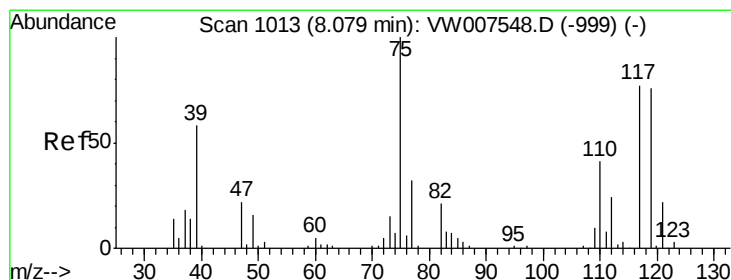
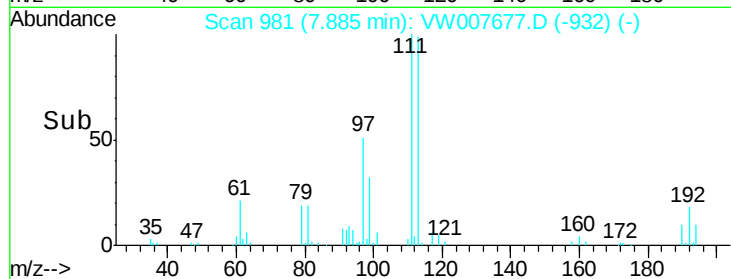
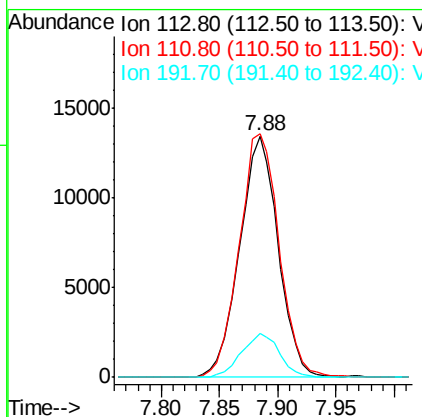
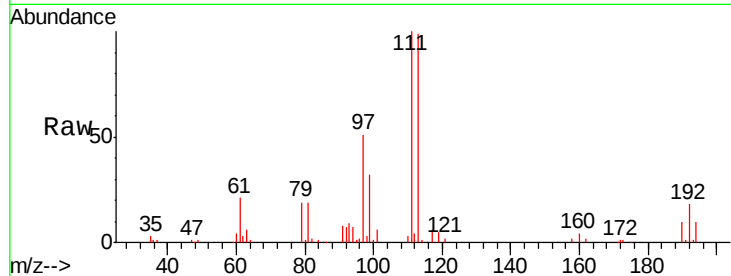
#35
 Dibromofluoromethane
 Concen: 53.671 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	30886		
111	104.8	81.1	121.7	
192	17.9	14.6	21.8	

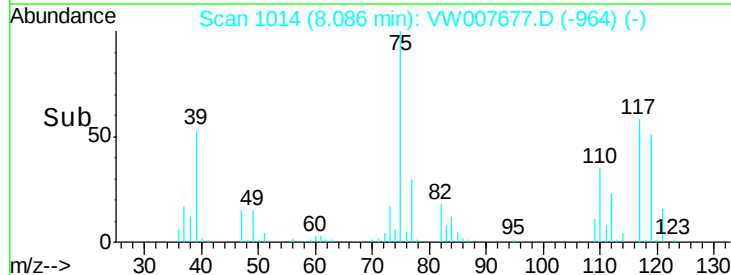
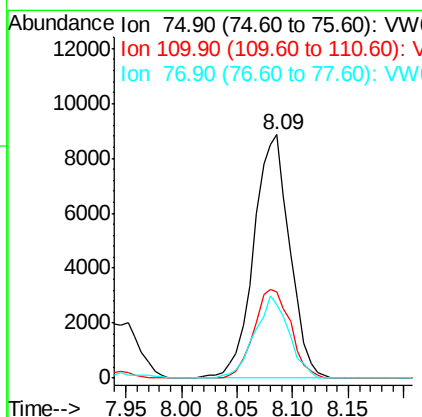
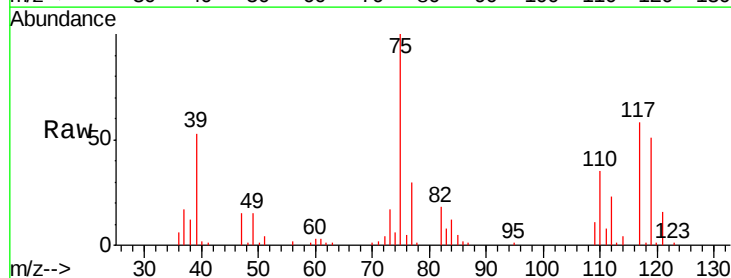
Manual Integrations
 APPROVED

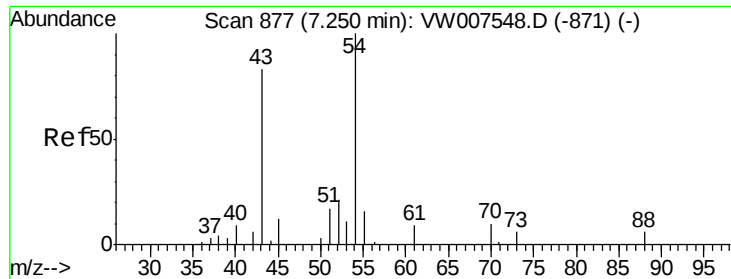
apatel
 12/19/2018 12:15:42 PM



#36
 1,1-Dichloropropene
 Concen: 22.988 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19936		
110	37.0	18.5	55.5	
77	31.8	25.6	38.4	





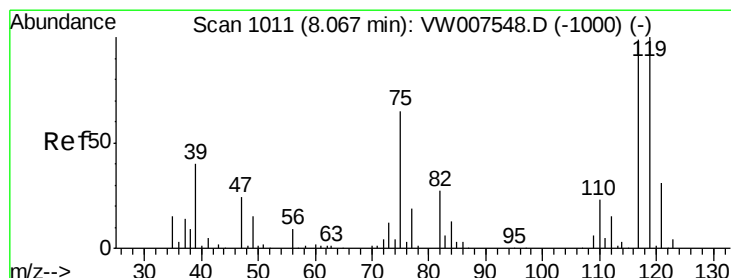
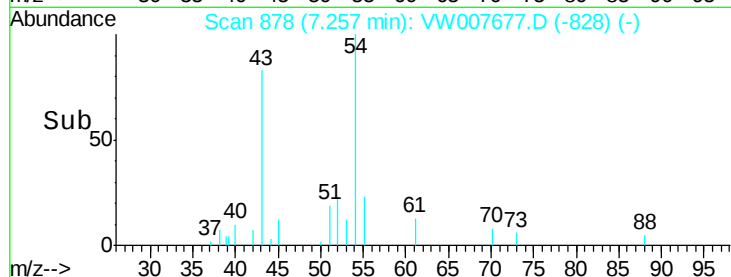
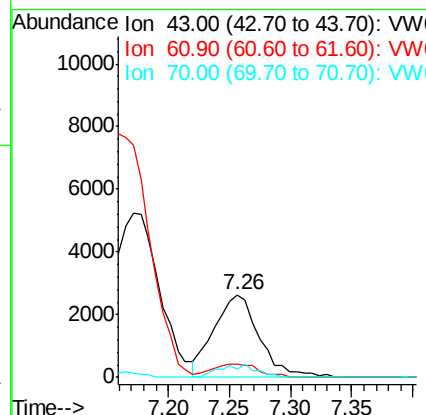
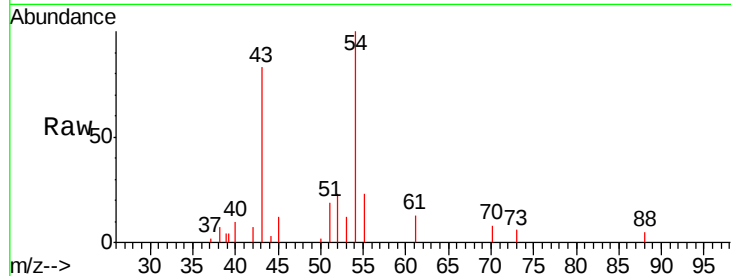
#37
Ethyl Acetate
Concen: 21.007 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion: 43 Resp: 6776
Ion Ratio Lower Upper
43 100
61 16.6 12.1 18.1
70 13.0 10.0 15.0

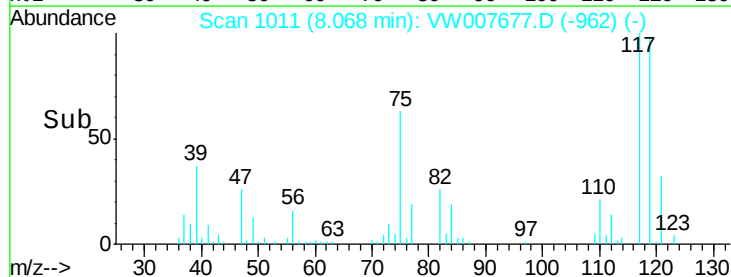
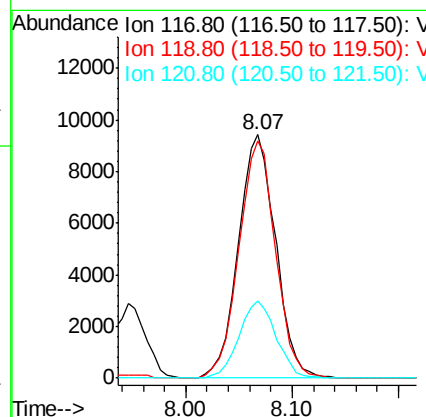
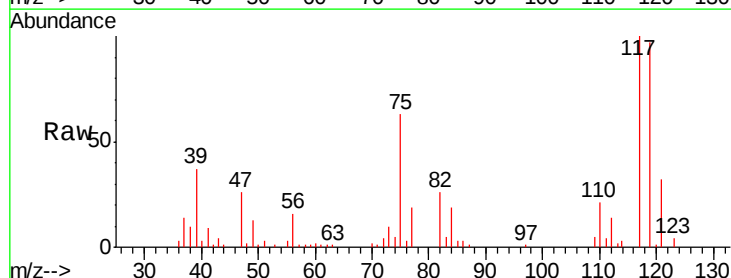
Manual Integrations
APPROVED

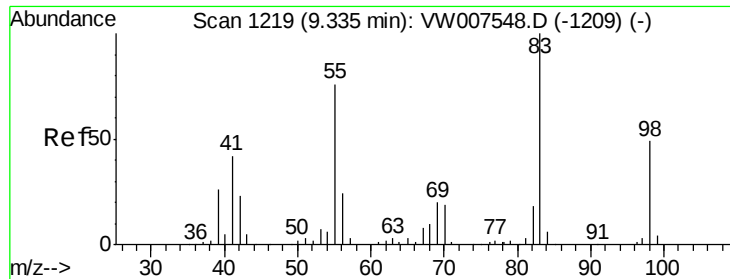
apatel
12/19/2018 12:15:42 PM



#38
Carbon Tetrachloride
Concen: 24.466 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion: 117 Resp: 23086
Ion Ratio Lower Upper
117 100
119 97.3 74.3 111.5
121 31.7 24.3 36.5





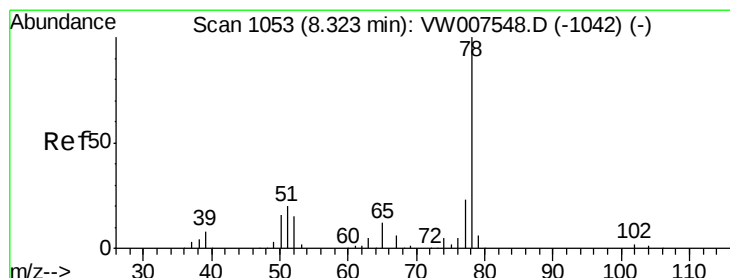
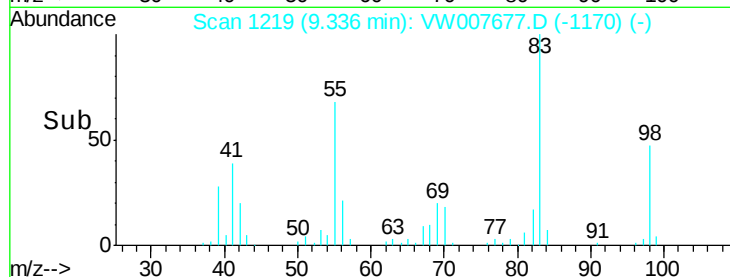
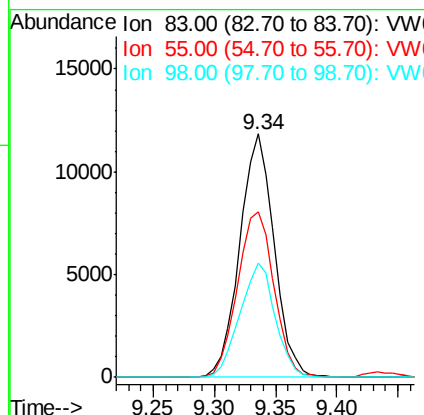
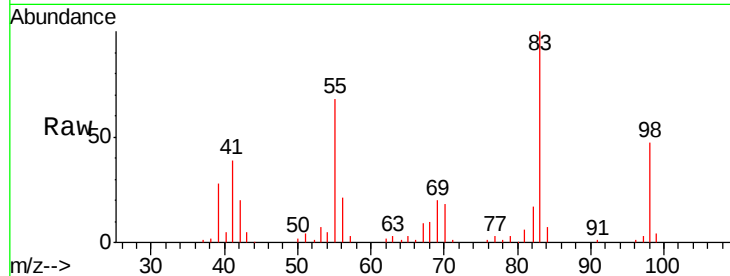
#39
Methylcyclohexane
Concen: 22.010 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.0	62.8	94.2
98	47.0	42.2	63.2

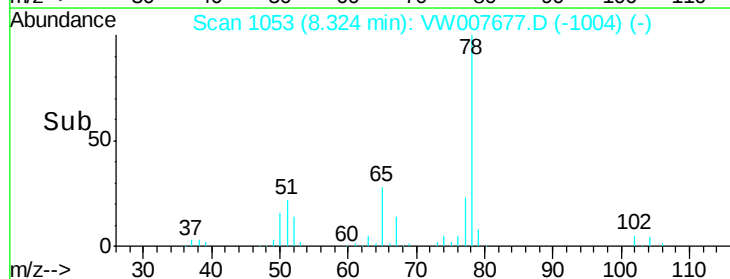
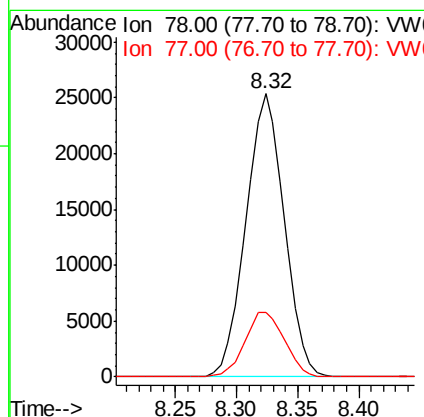
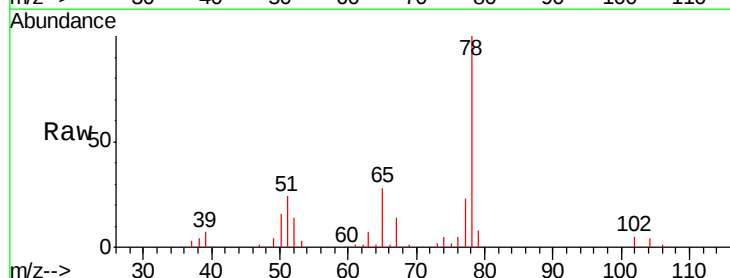
Manual Integrations
APPROVED

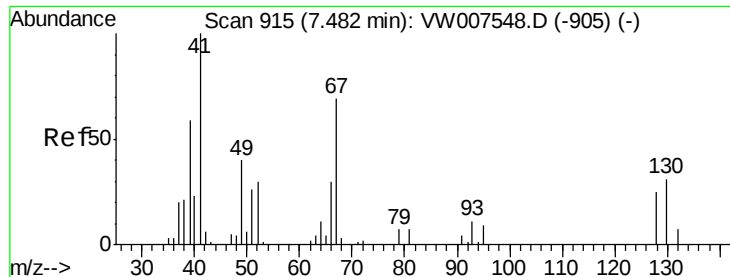
apatel
12/19/2018 12:15:42 PM



#40
Benzene
Concen: 23.005 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





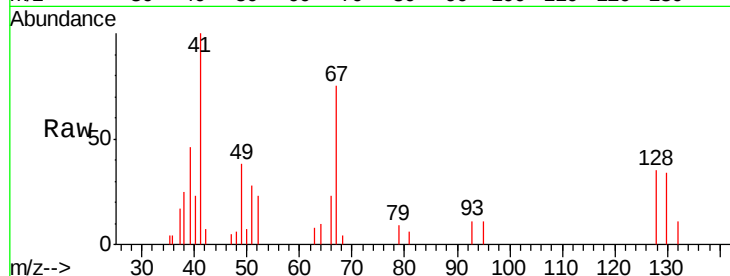
#41
Methacrylonitrile
Concen: 24.929 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

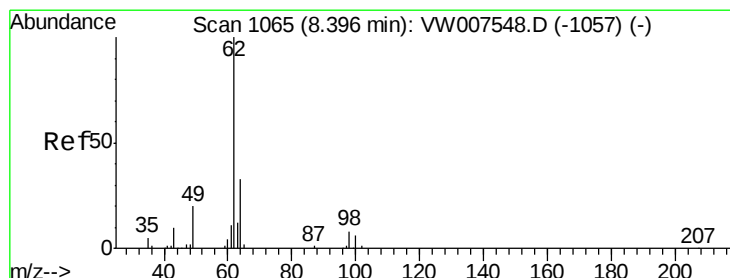
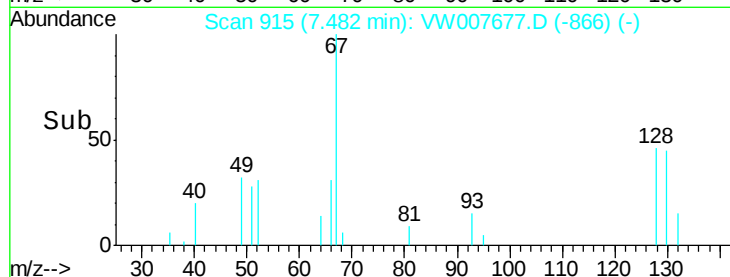
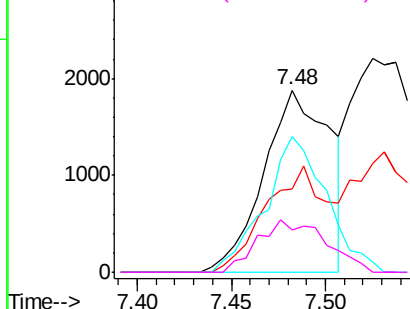
Tgt Ion:	41	Resp:	4579
Ion	Ratio	Lower	Upper
41	100		
39	54.9	52.2	78.2
67	69.0	60.5	90.7
52	29.4	25.3	37.9

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM

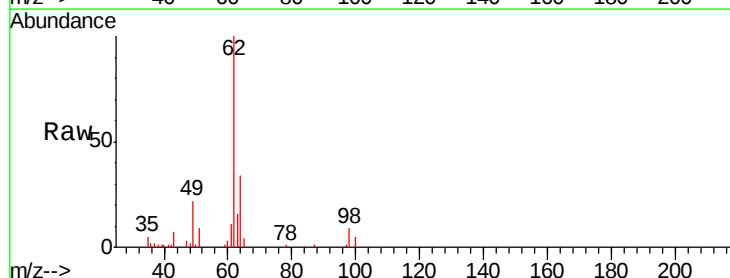


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

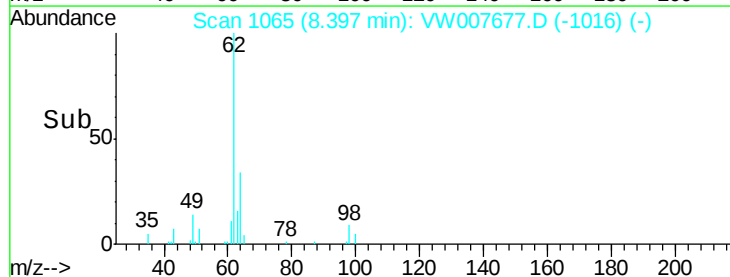
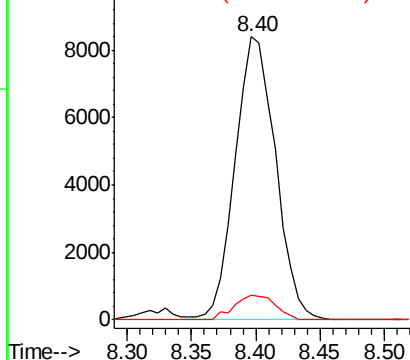


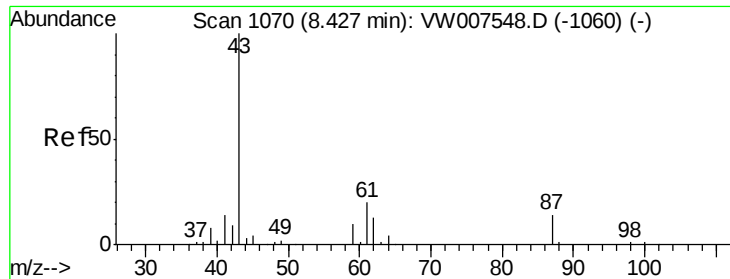
#42
1,2-Dichloroethane
Concen: 24.255 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion:	62	Resp:	18337
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.716 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

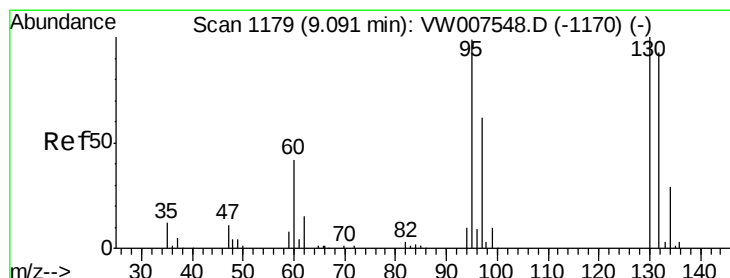
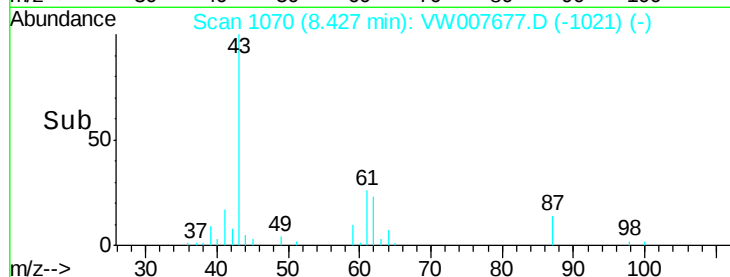
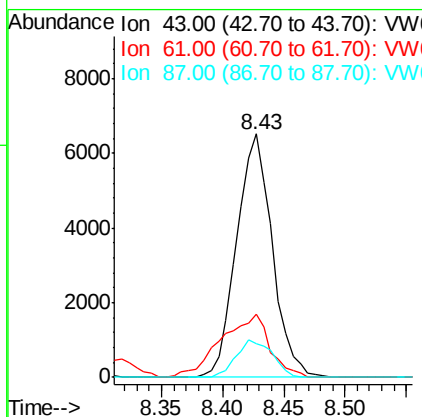
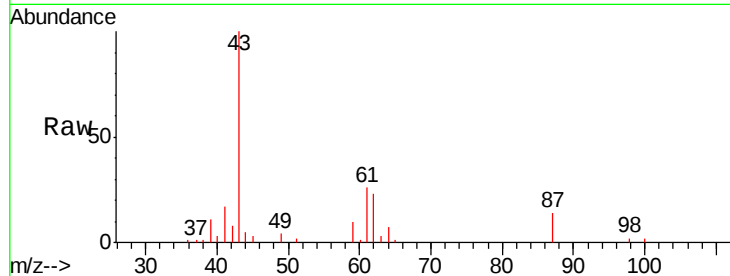
ClientSampleId :

VW1220SBS02

Tgt Ion:	43	Resp:	13199
Ion	Ratio	Lower	Upper
43	100		
61	35.4	25.3	37.9
87	15.6	11.8	17.8

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM



#44

Trichloroethene

Concen: 23.965 ug/l

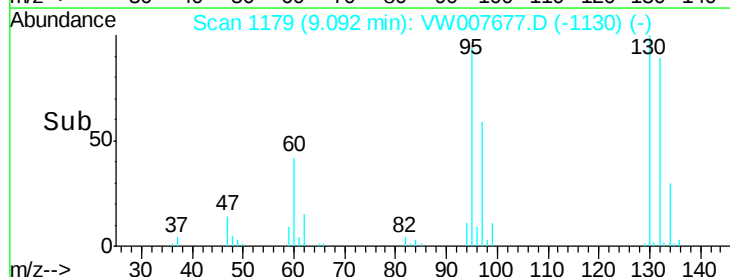
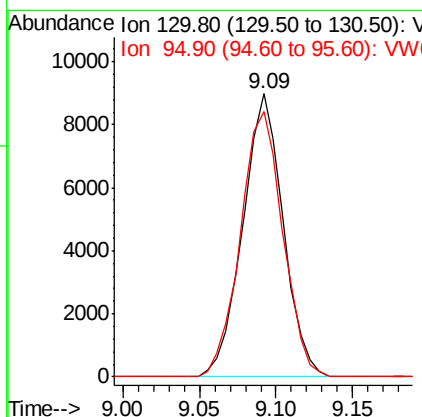
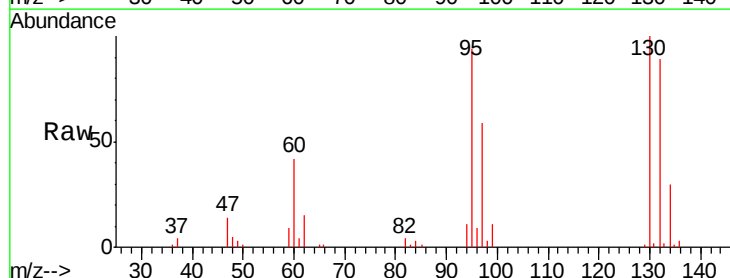
RT: 9.09 min Scan# 1179

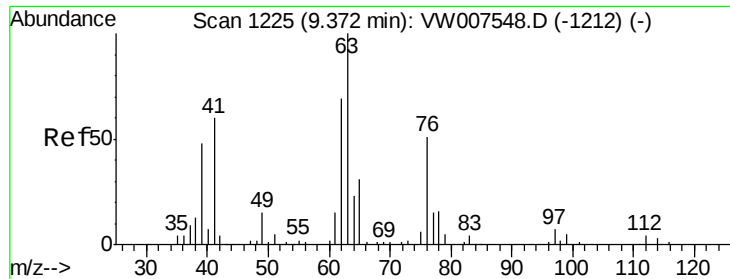
Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Tgt Ion:	130	Resp:	16470
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	193.2





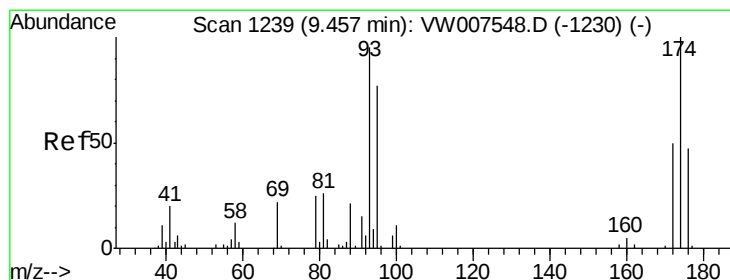
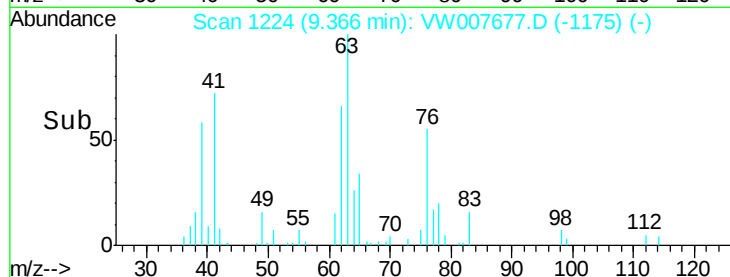
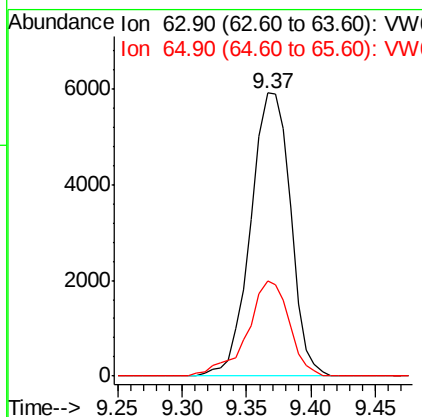
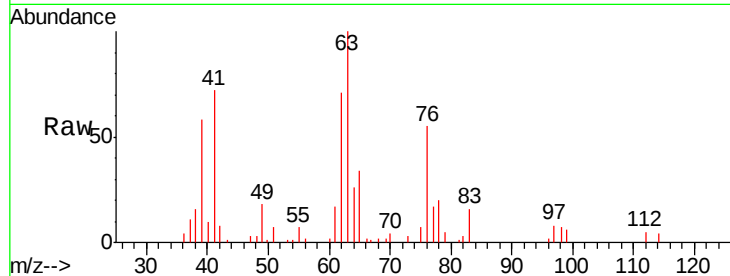
#45
 1,2-Dichloropropane
 Concen: 22.778 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion: 63 Resp: 12686
 Ion Ratio Lower Upper
 63 100
 65 33.7 24.4 36.6

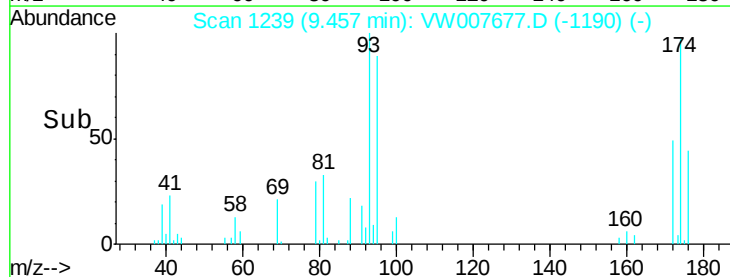
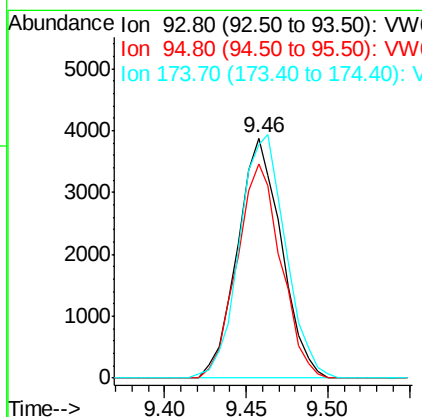
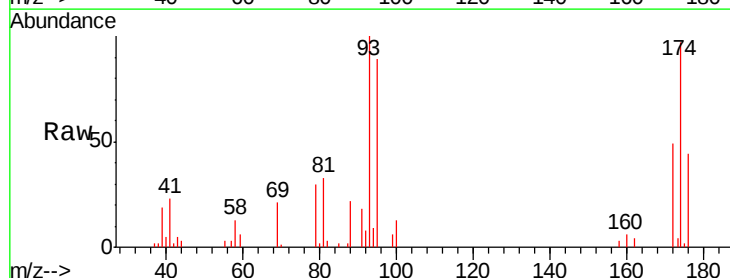
Manual Integrations
 APPROVED

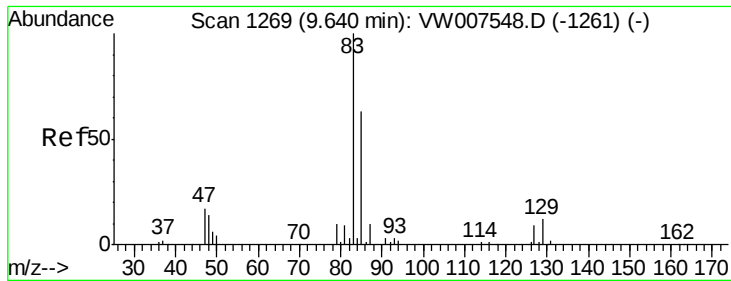
apatel
 12/19/2018 12:15:42 PM



#46
 Dibromomethane
 Concen: 22.920 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion: 93 Resp: 7249
 Ion Ratio Lower Upper
 93 100
 95 89.5 68.0 102.0
 174 106.2 83.2 124.8





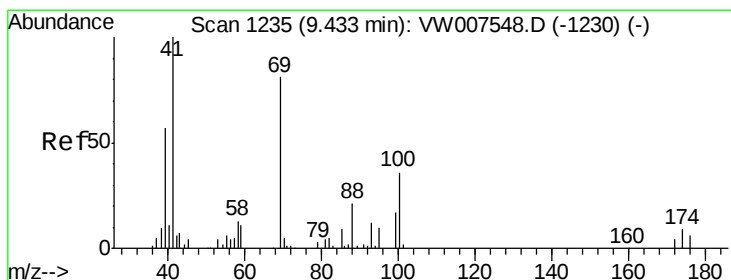
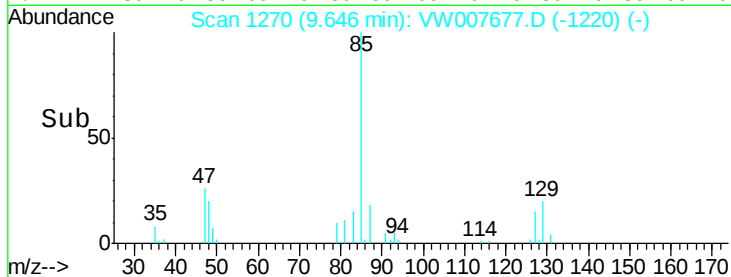
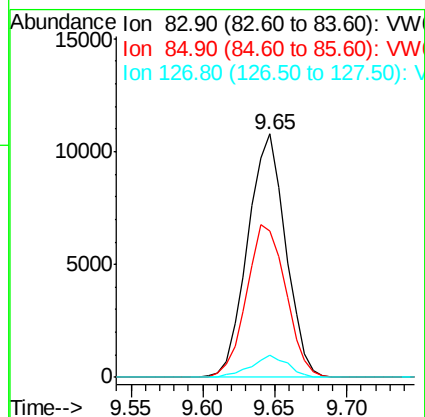
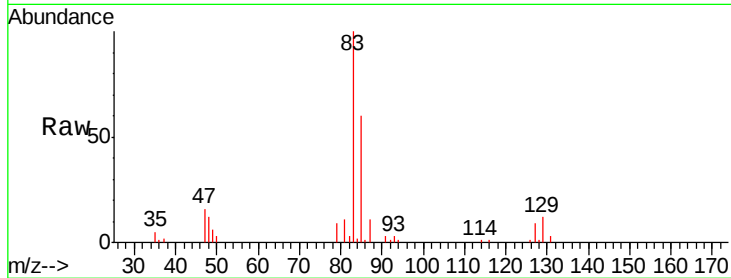
#47
 Bromodichloromethane
 Concen: 23.694 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion:	83	Resp:	19657
Ion	Ratio	Lower	Upper
83	100		
85	60.1	47.6	71.4
127	8.9	6.7	10.1

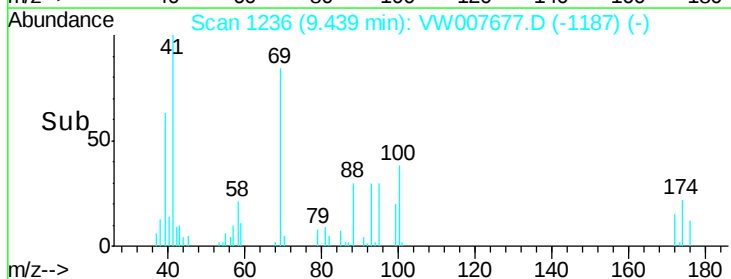
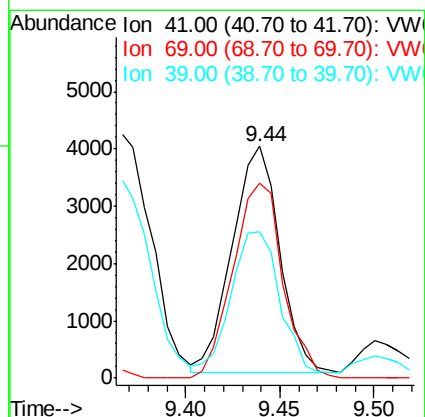
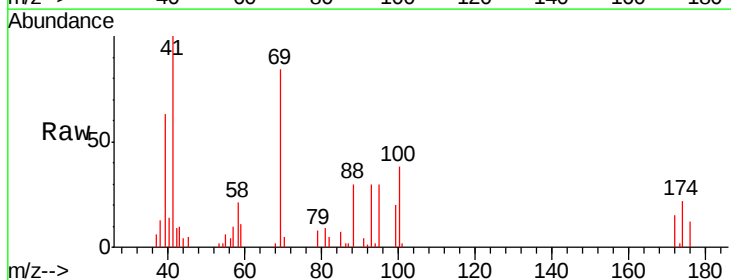
Manual Integrations
 APPROVED

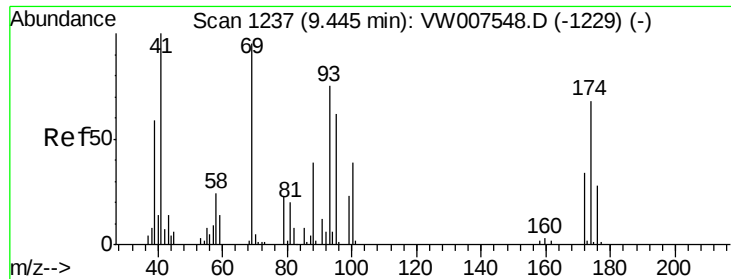
apatel
 12/19/2018 12:15:42 PM



#48
 Methyl methacrylate
 Concen: 21.047 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion:	41	Resp:	6887
Ion	Ratio	Lower	Upper
41	100		
69	91.0	69.8	104.8
39	69.4	50.9	76.3





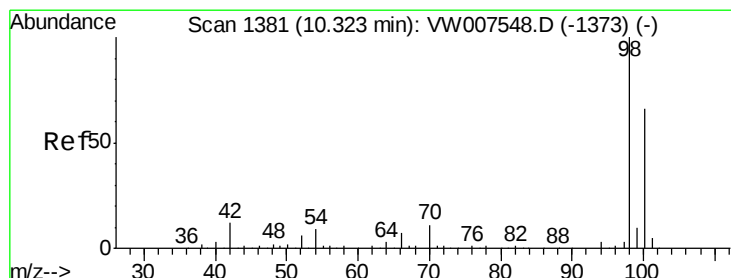
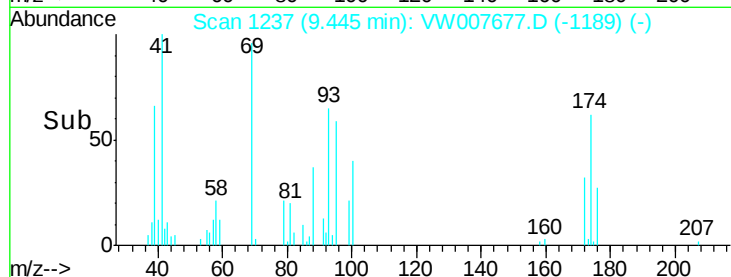
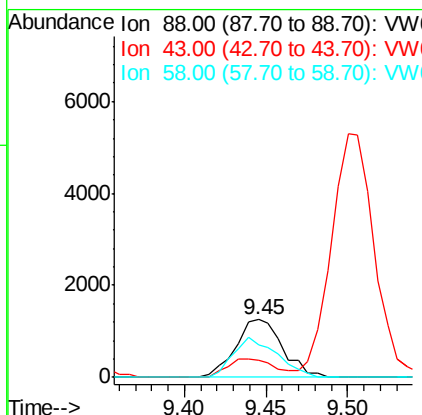
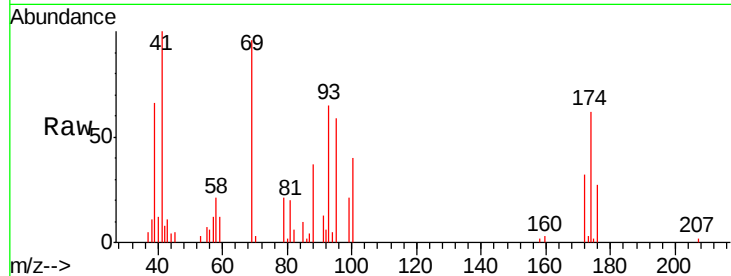
#49
1,4-Dioxane
Concen: 486.378 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.3	25.0	37.4
58	64.5	51.4	77.2

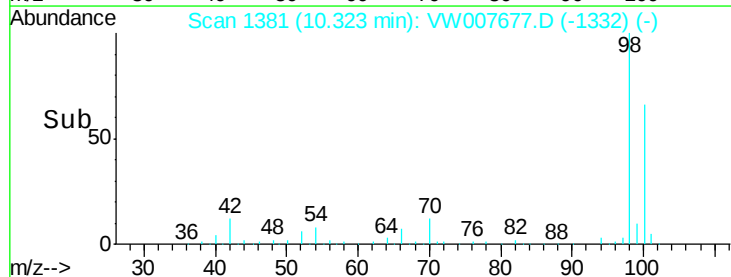
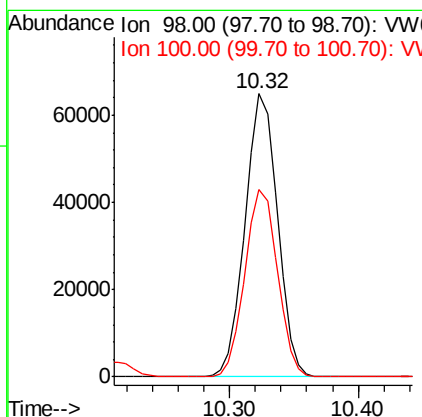
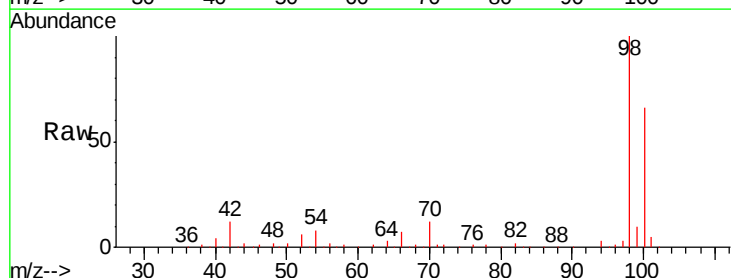
Manual Integrations
APPROVED

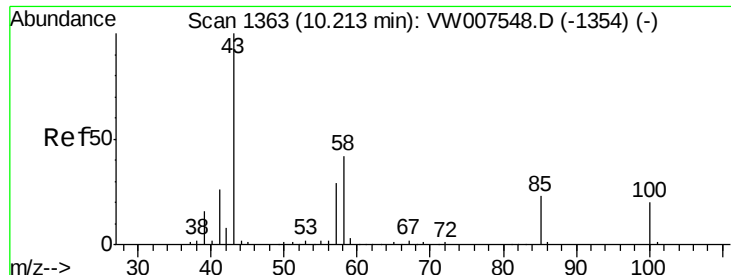
apatel
12/19/2018 12:15:42 PM



#50
Toluene-d8
Concen: 52.309 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 103.668 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

ClientSampleId :

VW1220SBS02

Tgt Ion: 43 Resp: 31209

Ion Ratio Lower Upper

43 100

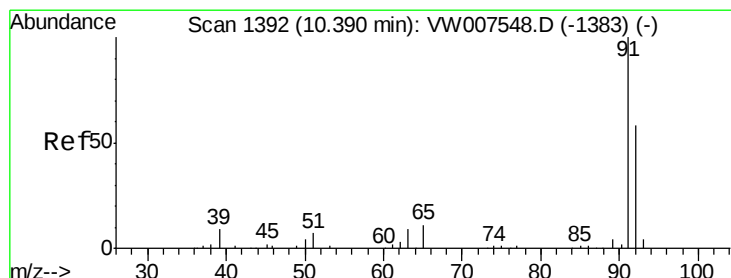
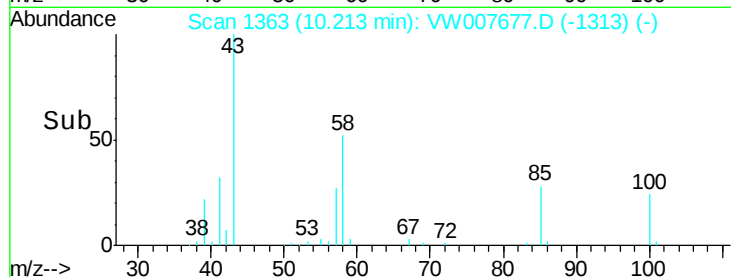
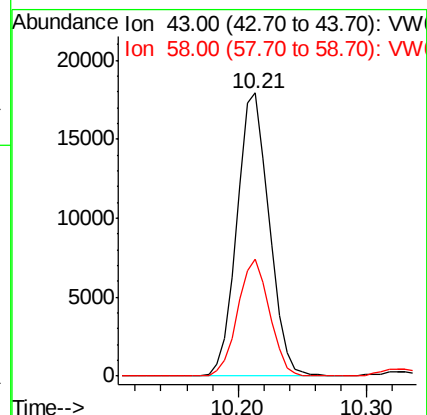
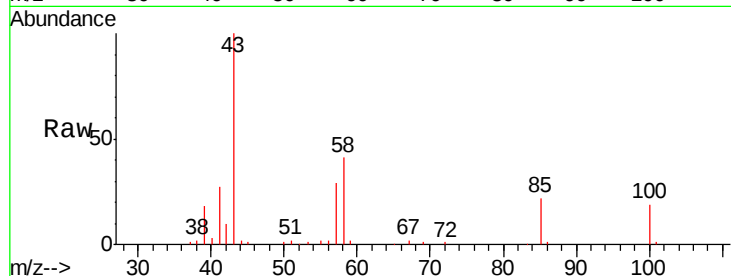
58 40.7 33.1 49.7

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:42 PM



#52

Toluene

Concen: 23.808 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007677.D

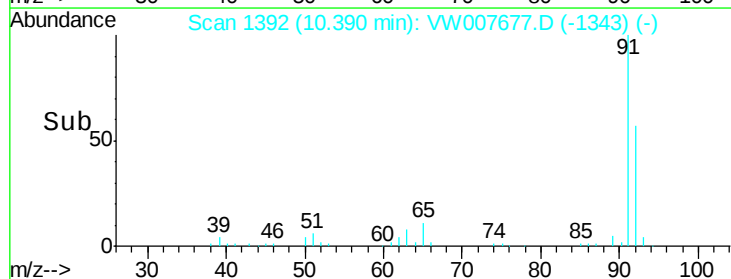
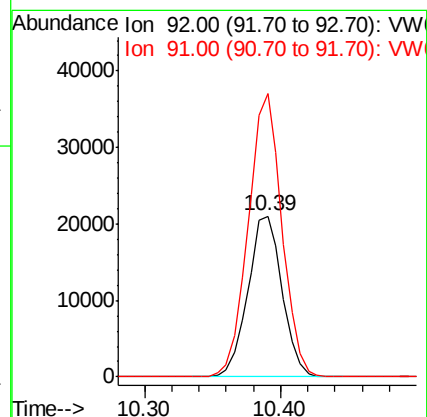
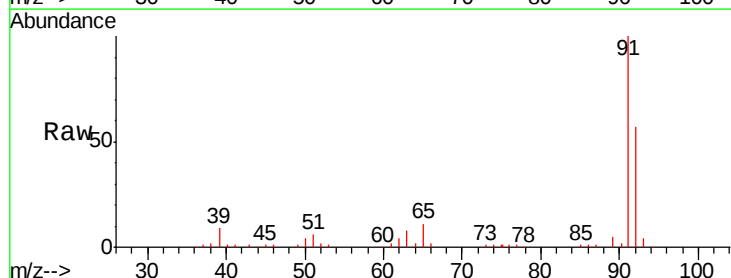
Acq: 19 Dec 2018 01:31

Tgt Ion: 92 Resp: 37080

Ion Ratio Lower Upper

92 100

91 172.5 136.2 204.2





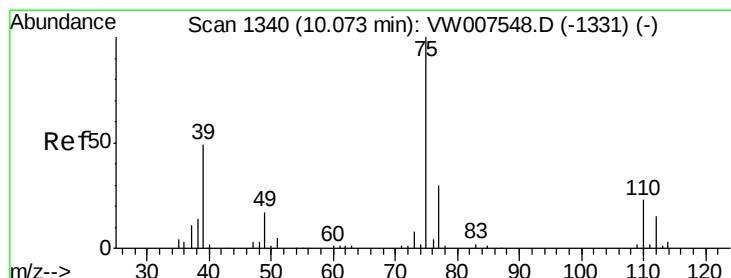
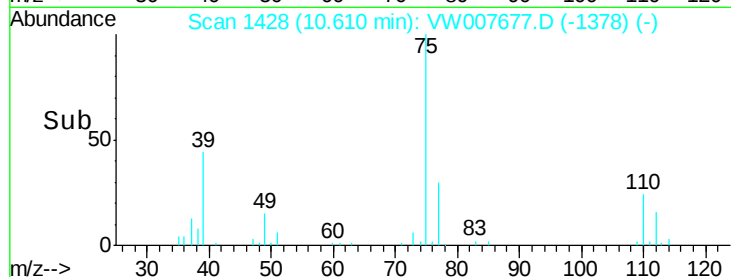
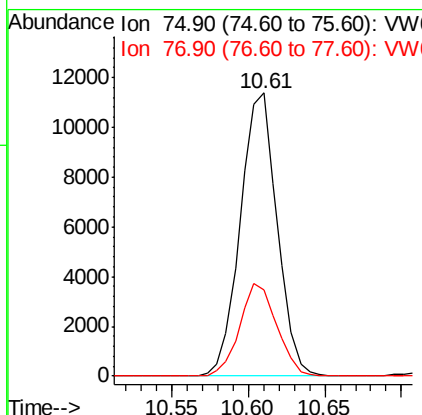
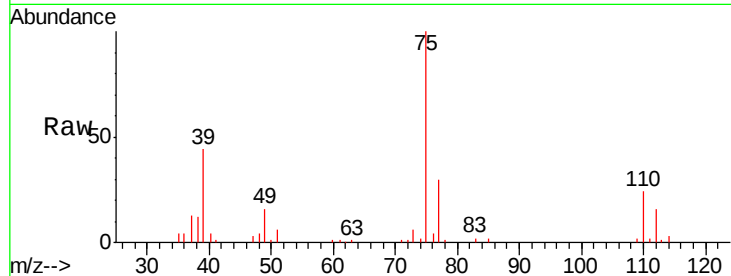
#53
 t-1,3-Dichloropropene
 Concen: 23.609 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion: 75 Resp: 19015
 Ion Ratio Lower Upper
 75 100
 77 30.4 26.2 39.4

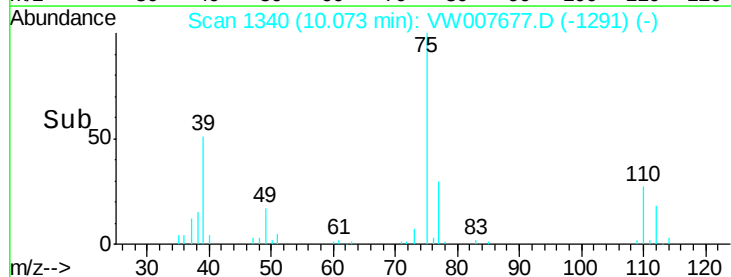
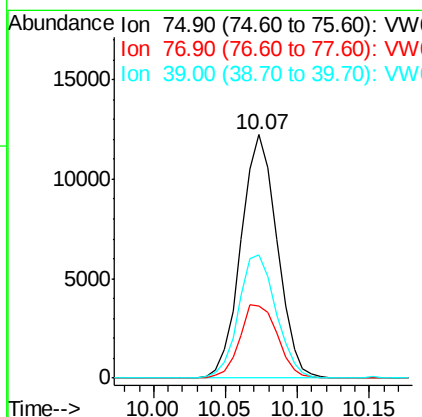
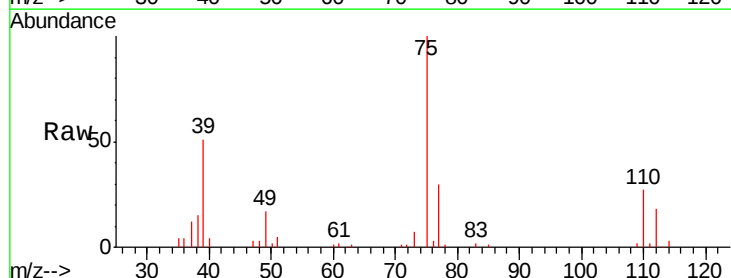
Manual Integrations
 APPROVED

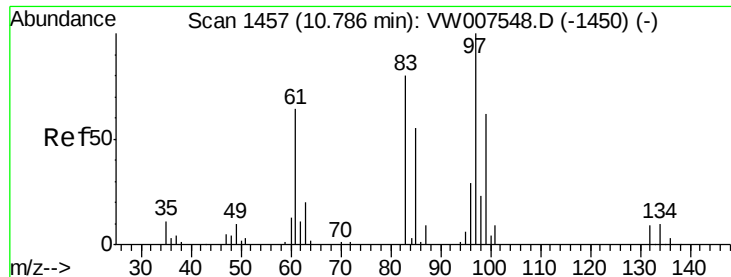
apatel
 12/19/2018 12:15:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 22.917 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion: 75 Resp: 21337
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.8 37.2
 39 50.9 40.9 61.3





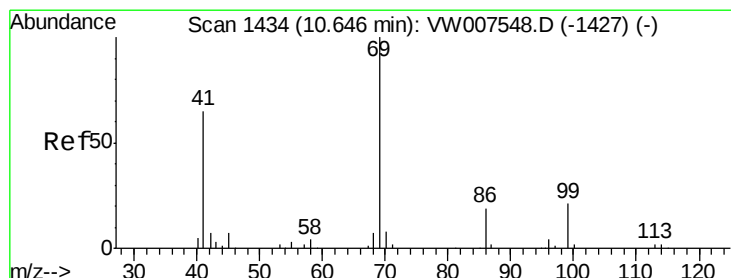
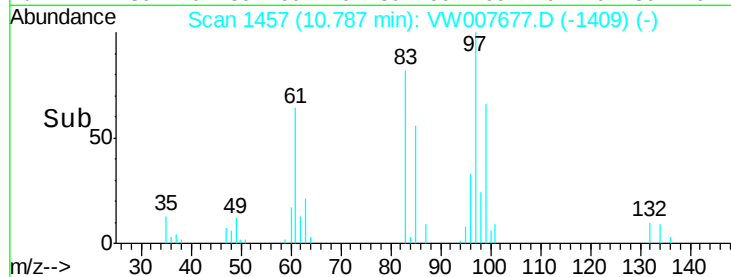
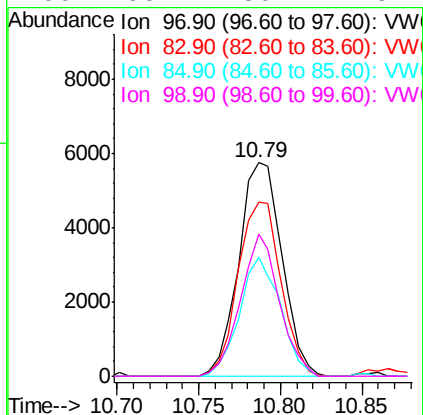
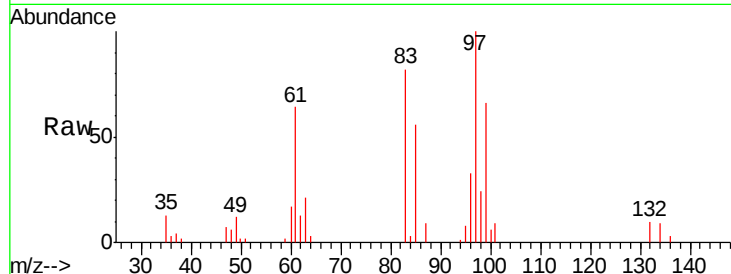
#55
 1,1,2-Trichloroethane
 Concen: 24.604 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.6	62.1	93.1
85	55.7	44.2	66.4
99	66.4	50.2	75.4

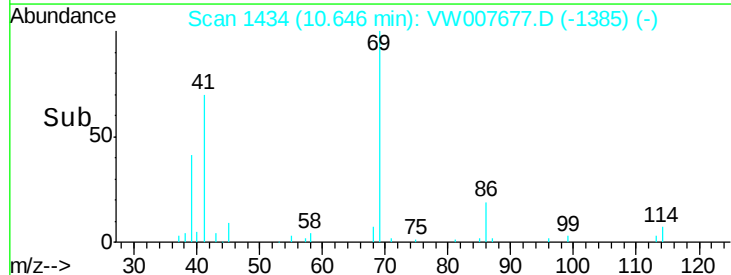
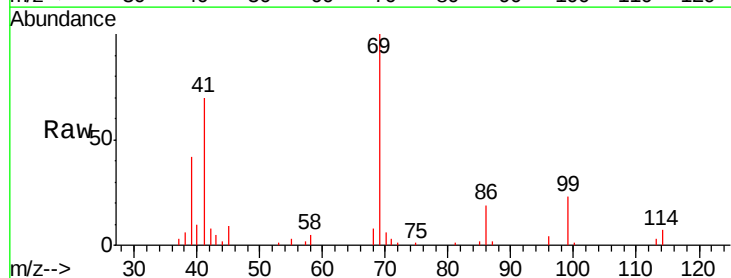
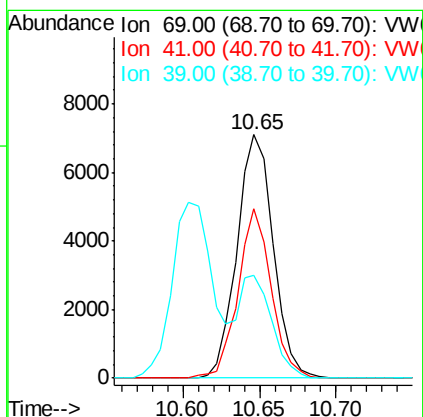
Manual Integrations
 APPROVED

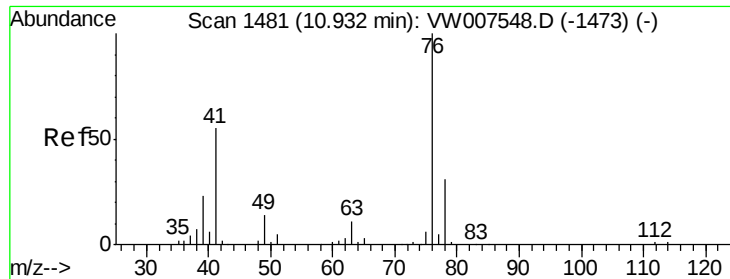
apatel
 12/19/2018 12:15:42 PM



#56
 Ethyl methacrylate
 Concen: 22.583 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.0	76.6
39	40.0	30.8	46.2





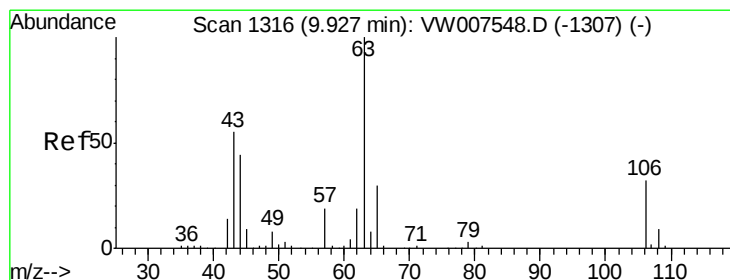
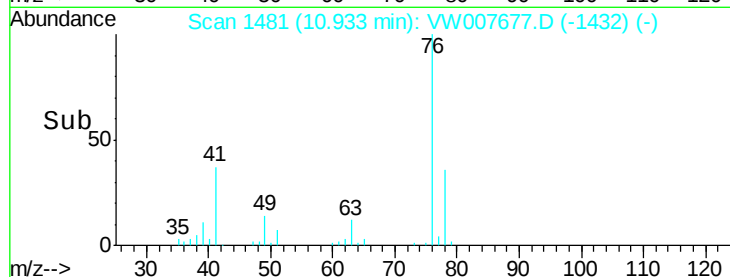
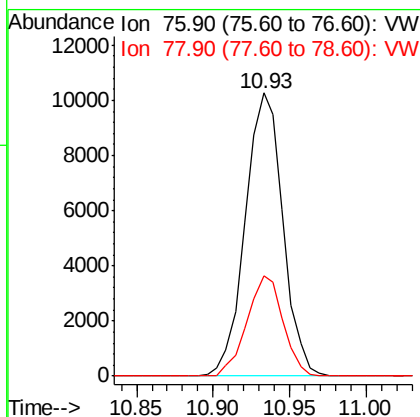
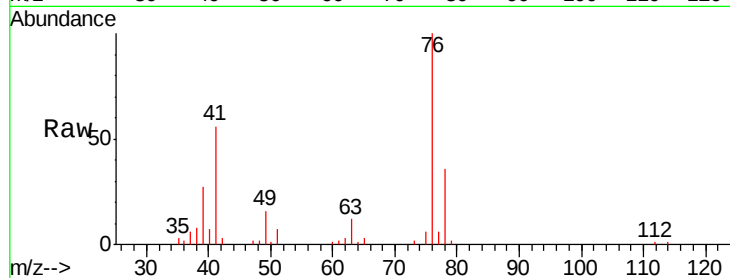
#57
 1,3-Dichloropropane
 Concen: 24.821 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion: 76 Resp: 17537
 Ion Ratio Lower Upper
 76 100
 78 34.0 26.2 39.4

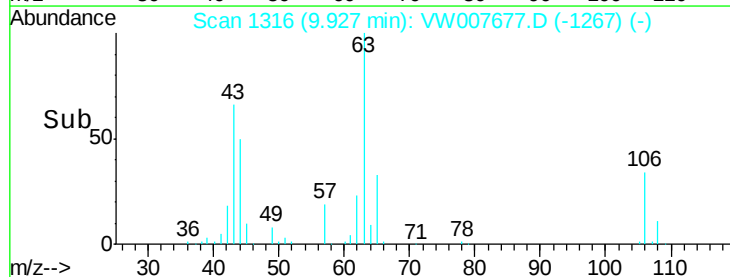
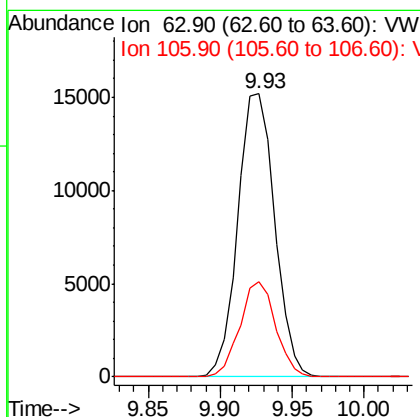
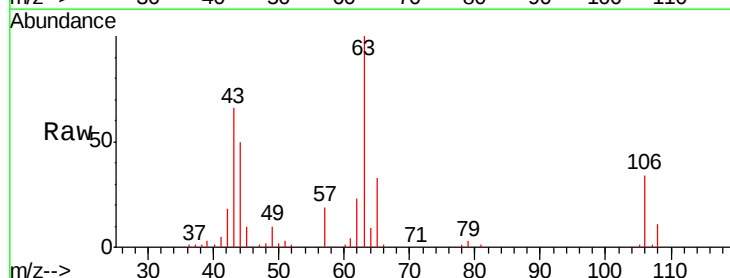
Manual Integrations
 APPROVED

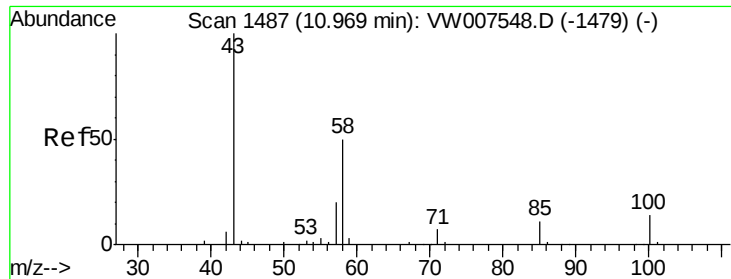
apatel
 12/19/2018 12:15:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.231 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion: 63 Resp: 27016
 Ion Ratio Lower Upper
 63 100
 106 32.5 25.0 37.6





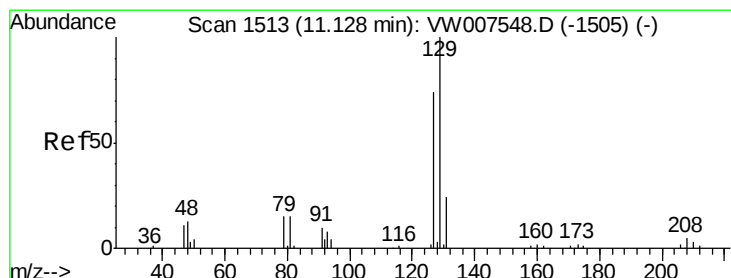
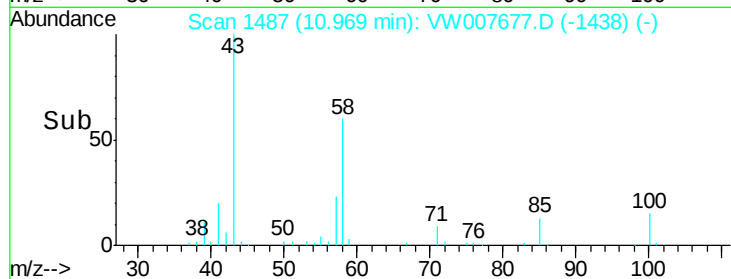
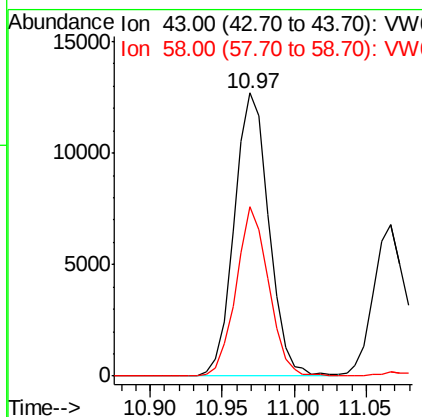
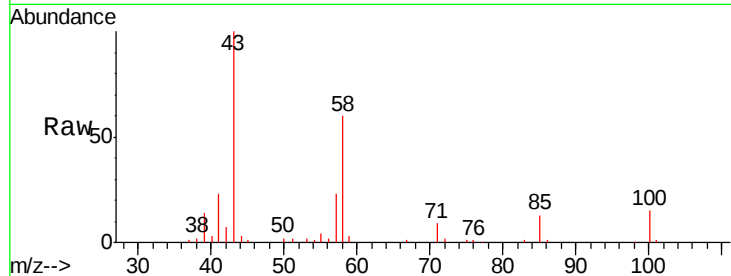
#59
2-Hexanone
Concen: 105.854 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion: 43 Resp: 21249
Ion Ratio Lower Upper
43 100
58 55.9 27.1 81.3

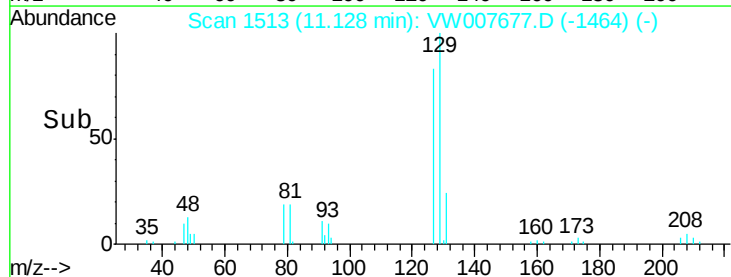
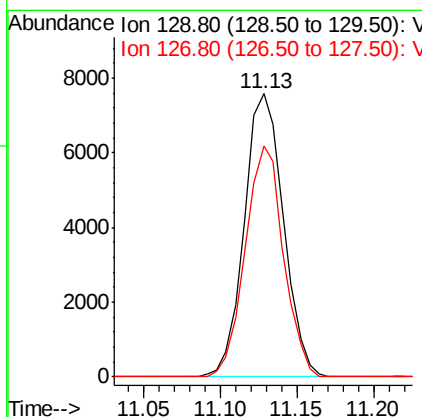
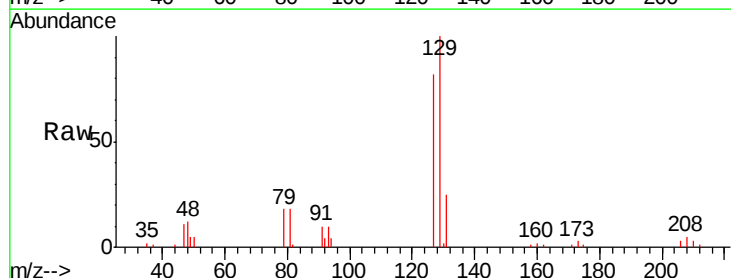
Manual Integrations
APPROVED

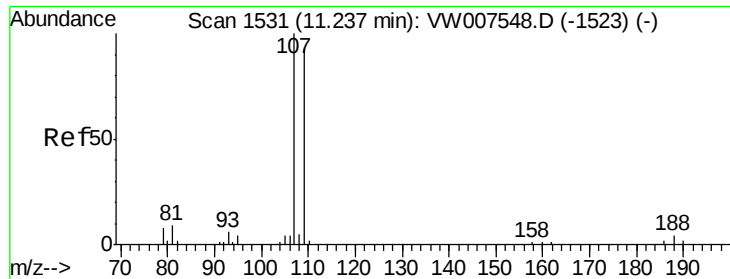
apatel
12/19/2018 12:15:42 PM



#60
Dibromochloromethane
Concen: 24.895 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion: 129 Resp: 13524
Ion Ratio Lower Upper
129 100
127 79.3 38.1 114.3





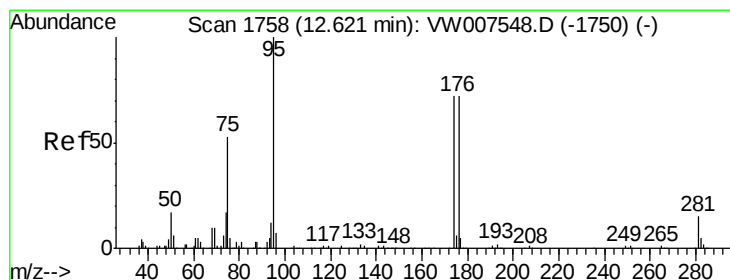
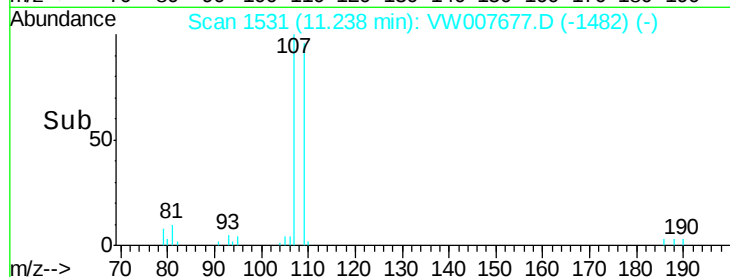
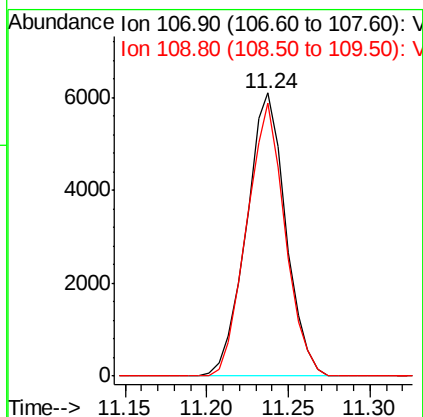
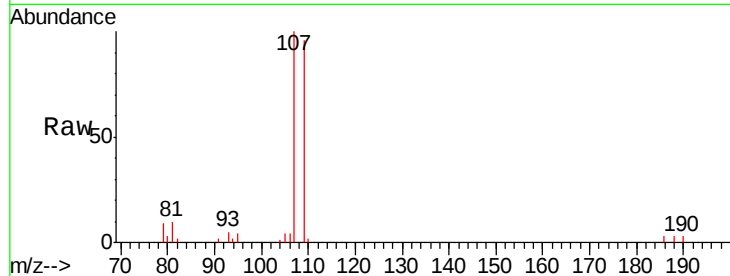
#61
 1,2-Dibromoethane
 Concen: 24.133 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	79.1	118.7

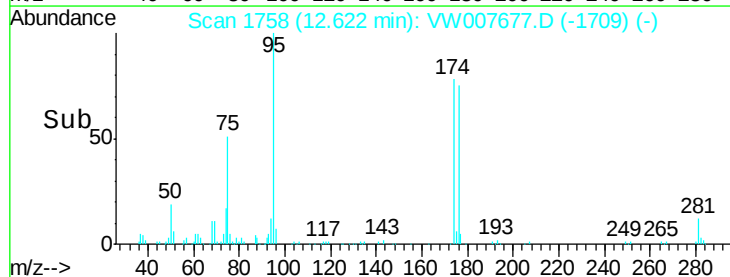
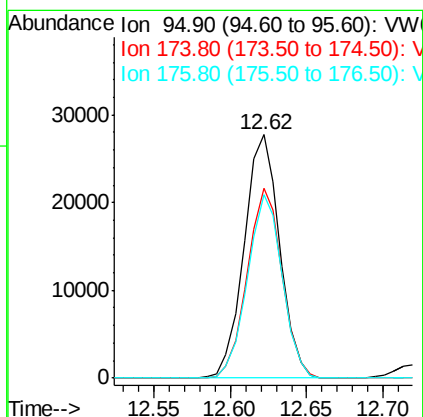
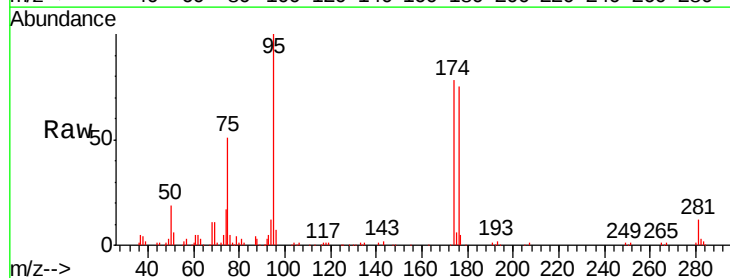
Manual Integrations
 APPROVED

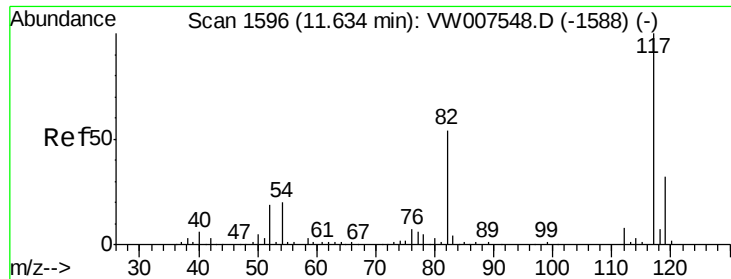
apatel
 12/19/2018 12:15:42 PM



#62
 4-Bromofluorobenzene
 Concen: 56.342 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	147.2
176	73.6	0.0	138.8





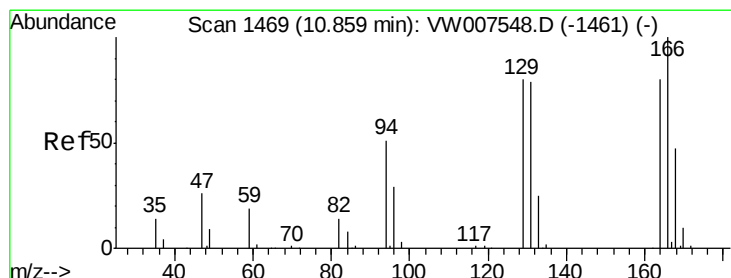
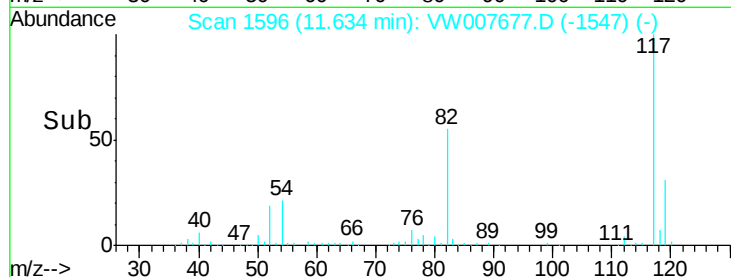
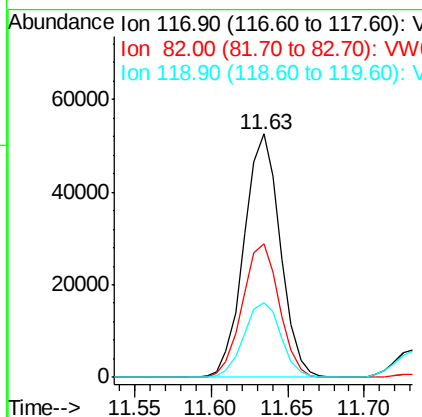
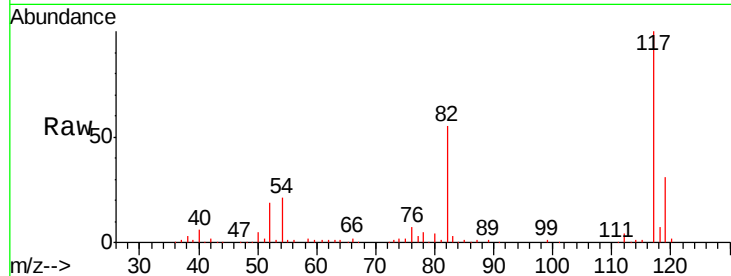
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.3	63.5
119	30.6	23.0	34.6

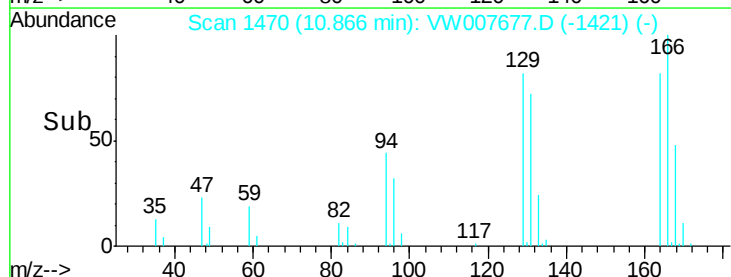
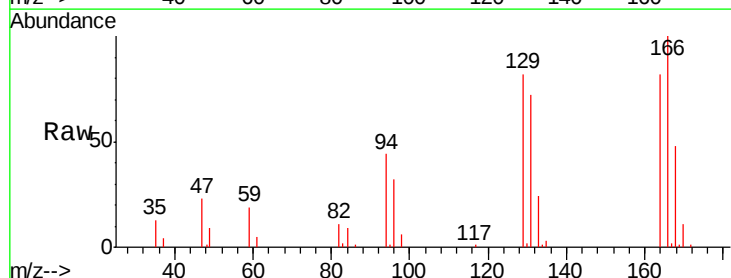
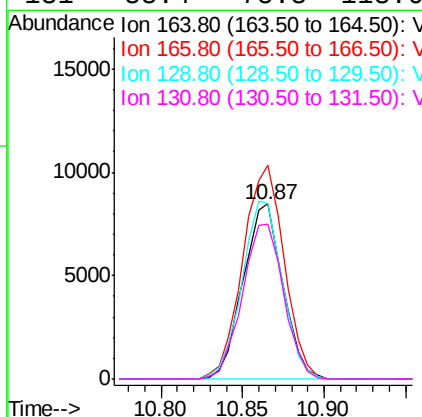
Manual Integrations
APPROVED

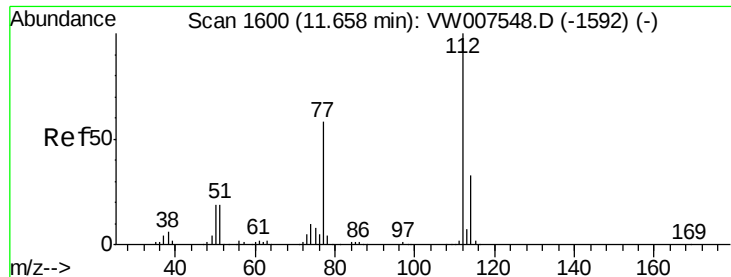
apatel
12/19/2018 12:15:42 PM



#64
Tetrachloroethene
Concen: 23.016 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	107.9	161.9
129	100.4	73.4	110.2
131	88.4	75.8	113.6





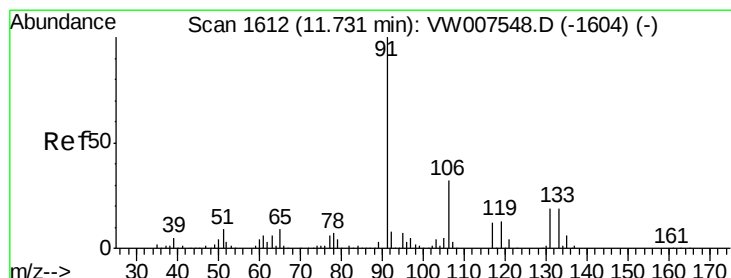
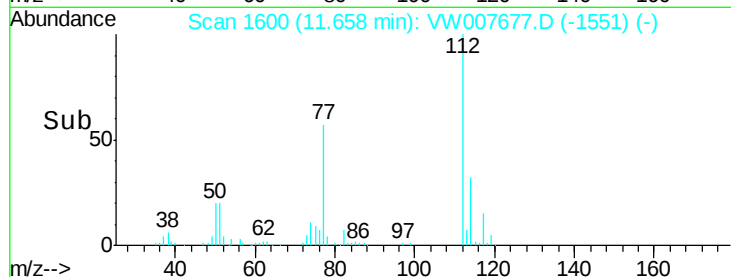
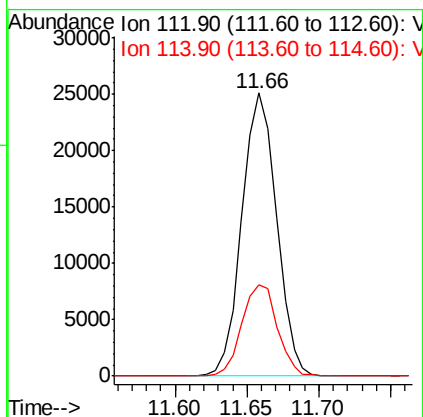
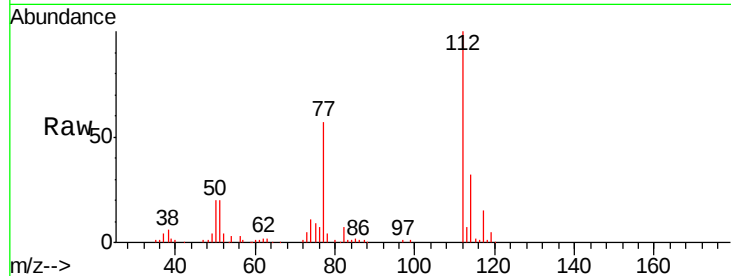
#65
Chlorobenzene
Concen: 23.185 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.8	41.8

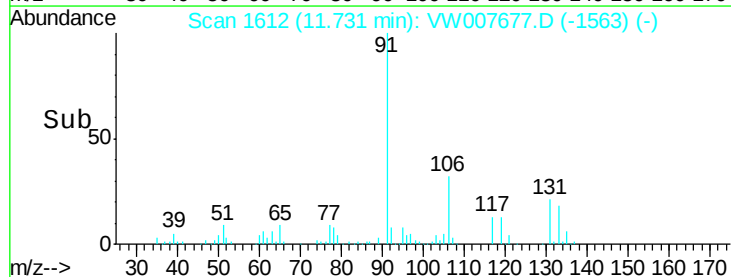
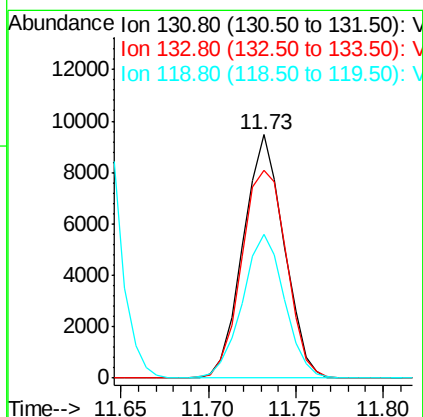
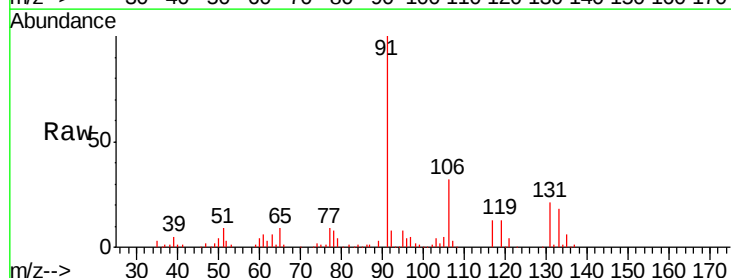
Manual Integrations
APPROVED

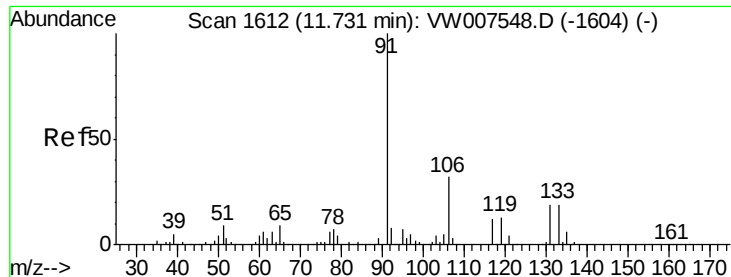
apatel
12/19/2018 12:15:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.206 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.1	141.4
119	61.1	31.3	93.9





#67

Ethyl Benzene

Concen: 23.342 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

ClientSampleId :

VW1220SBS02

Tgt Ion: 91 Resp: 72525

Ion Ratio Lower Upper

91 100

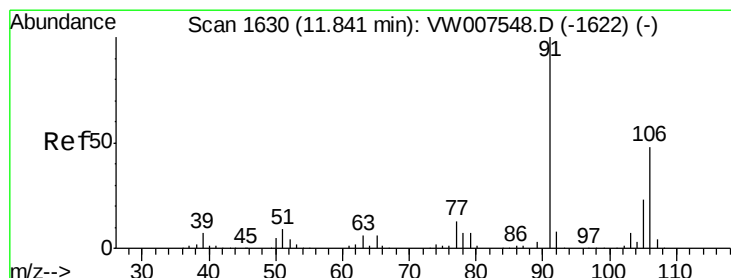
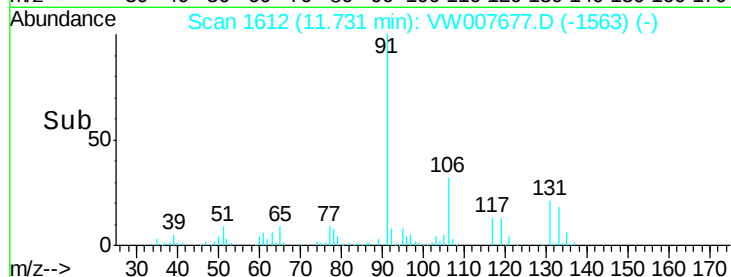
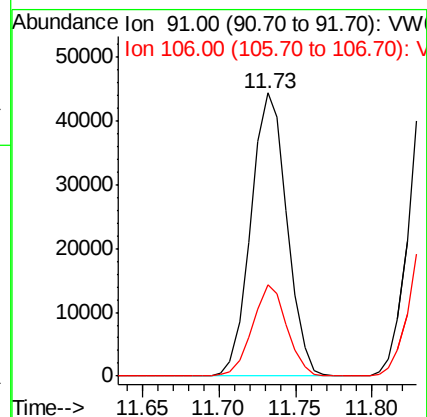
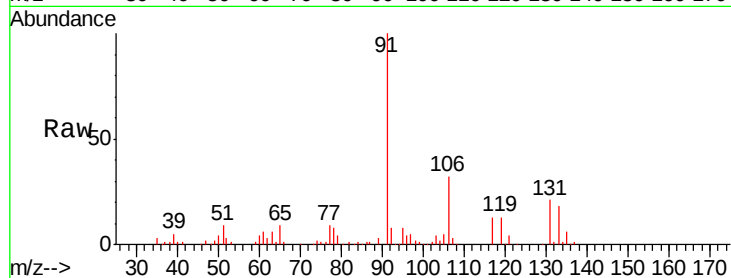
106 32.3 21.8 32.8

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:42 PM



#68

m/p-Xylenes

Concen: 47.298 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007677.D

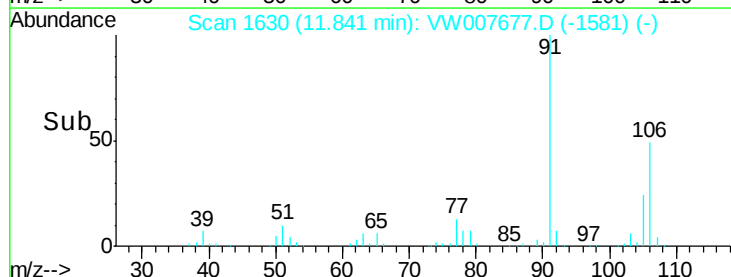
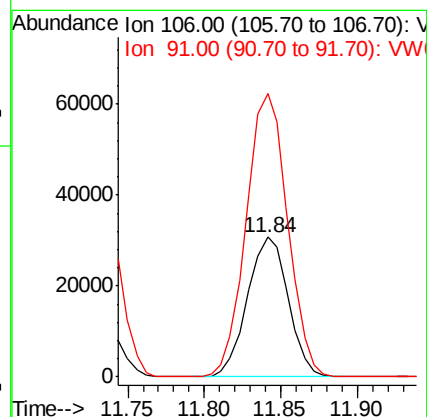
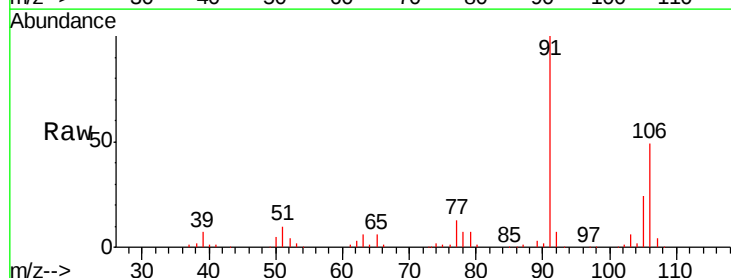
Acq: 19 Dec 2018 01:31

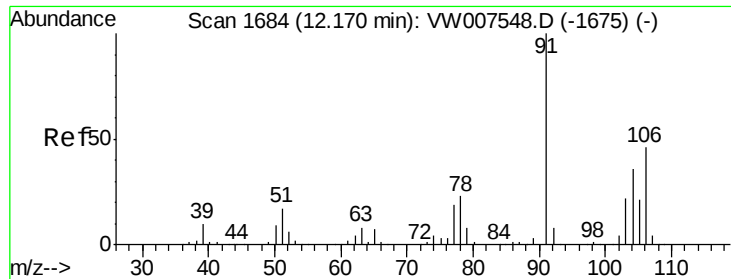
Tgt Ion: 106 Resp: 57131

Ion Ratio Lower Upper

106 100

91 205.5 165.3 247.9





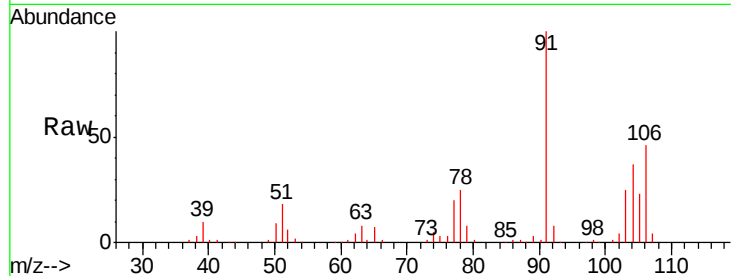
#69
o-Xylene
Concen: 23.895 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

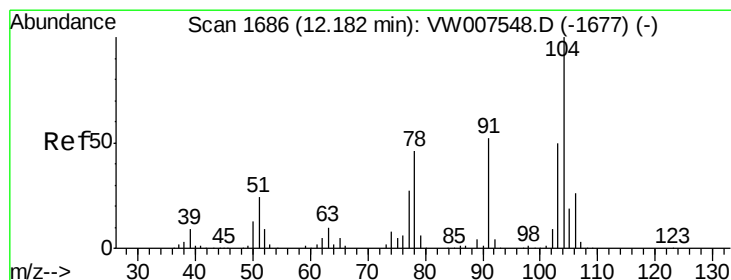
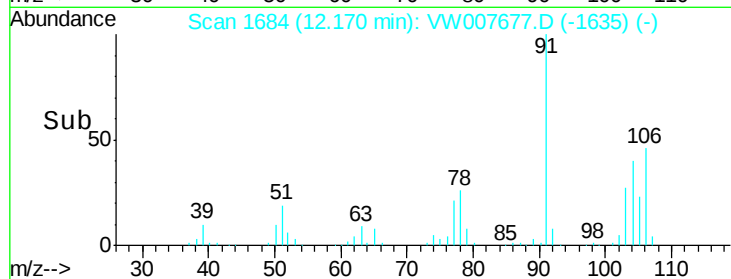
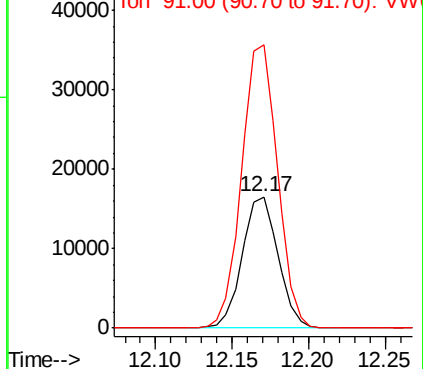
Tgt Ion:106 Resp: 26956
Ion Ratio Lower Upper
106 100
91 215.5 106.6 319.8

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM

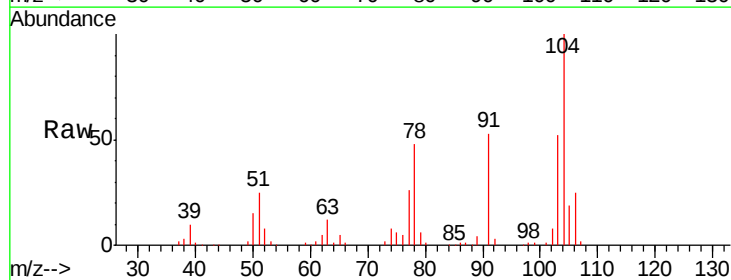


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

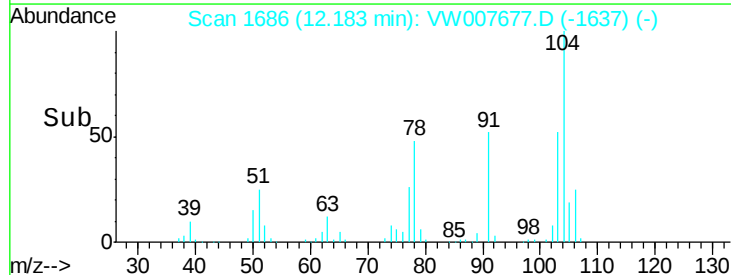
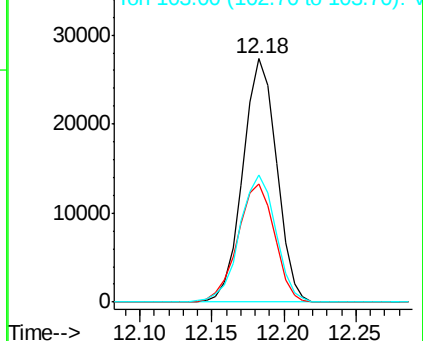


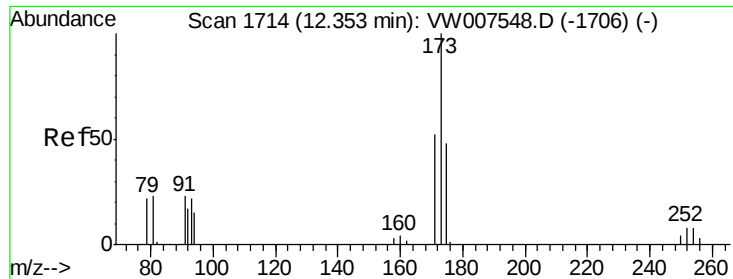
#70
Styrene
Concen: 24.343 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion:104 Resp: 44356
Ion Ratio Lower Upper
104 100
78 53.3 41.8 62.8
103 56.0 46.6 69.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.742 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

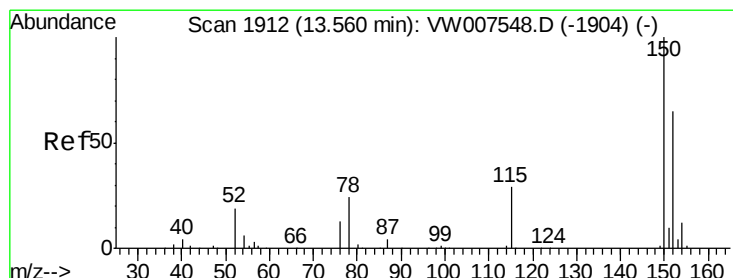
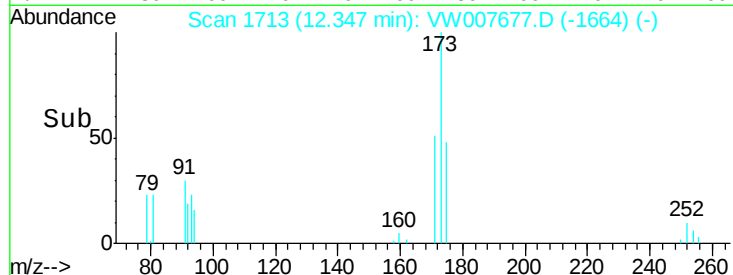
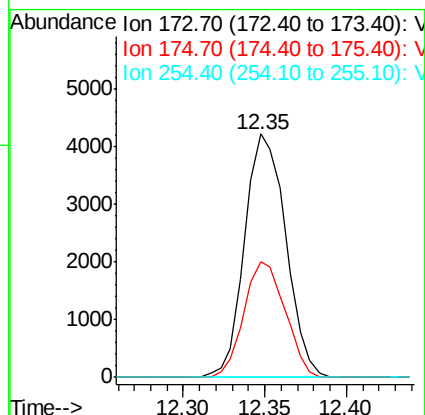
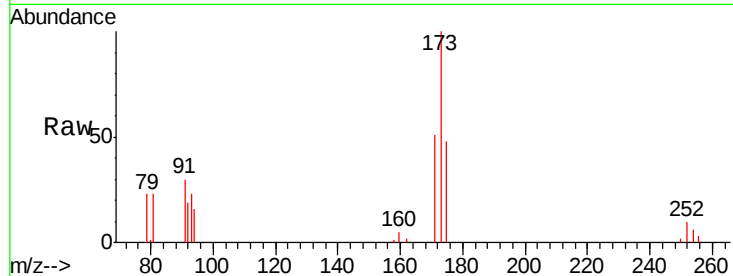
ClientSampleId :

VW1220SBS02

Tgt Ion:	173	Resp:	7409
Ion Ratio	Lower	Upper	
173	100		
175	47.6	23.6	70.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

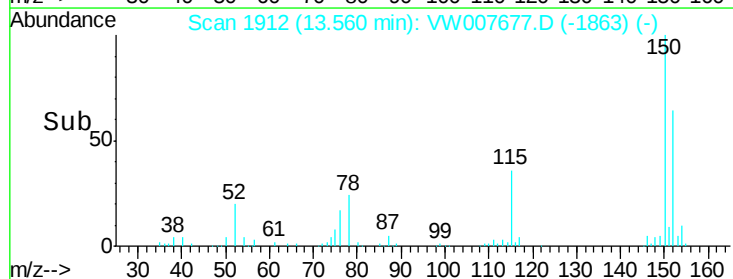
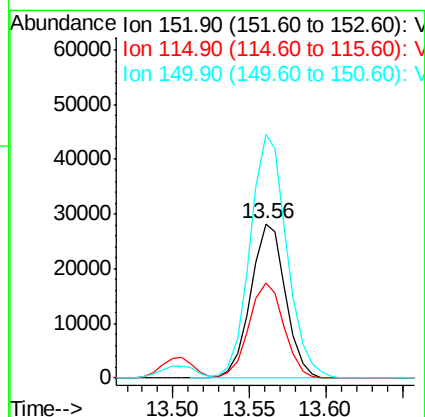
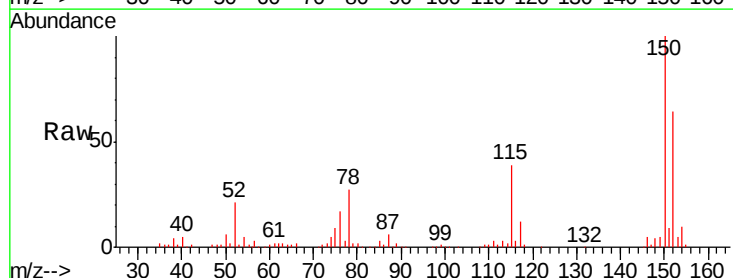
RT: 13.56 min Scan# 1912

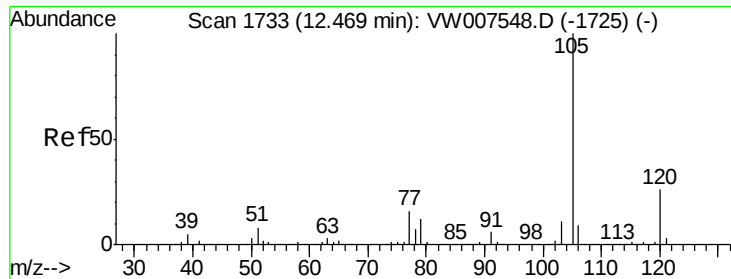
Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Tgt Ion:	152	Resp:	44610
Ion Ratio	Lower	Upper	
152	100		
115	61.9	31.4	94.2
150	166.8	0.0	358.4





#73

Isopropylbenzene

Concen: 21.913 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

ClientSampleId :

VW1220SBS02

Tgt Ion: 105 Resp: 74902

Ion Ratio Lower Upper

105 100

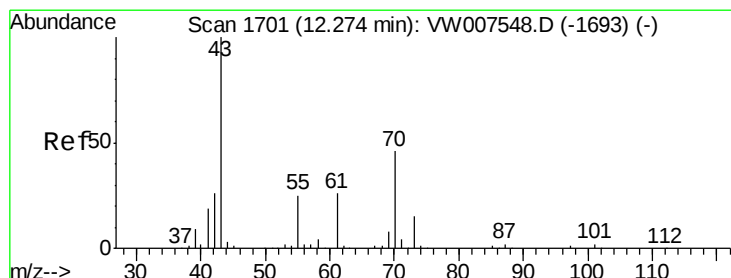
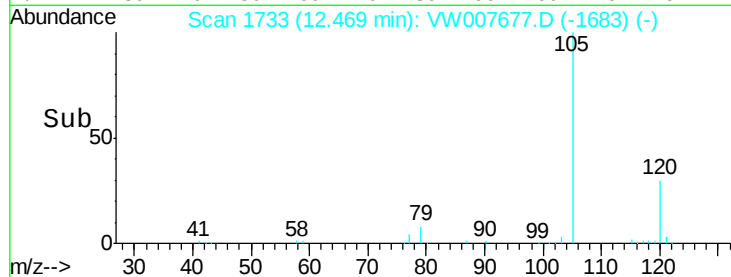
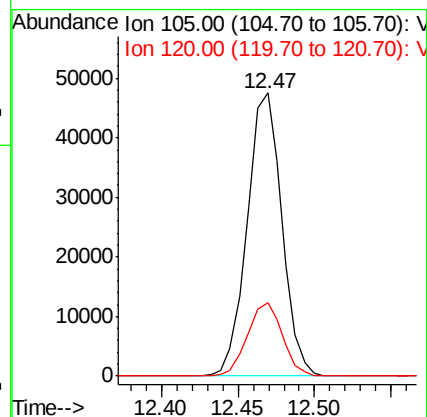
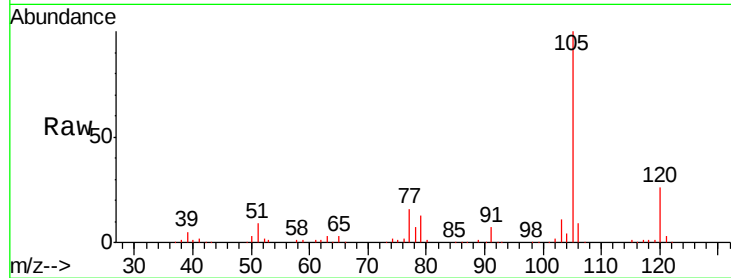
120 26.2 12.8 38.4

Manual Integrations

APPROVED

apatel

12/19/2018 12:15:42 PM



#74

N-ethyl acetate

Concen: 20.223 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Tgt Ion: 43 Resp: 12563

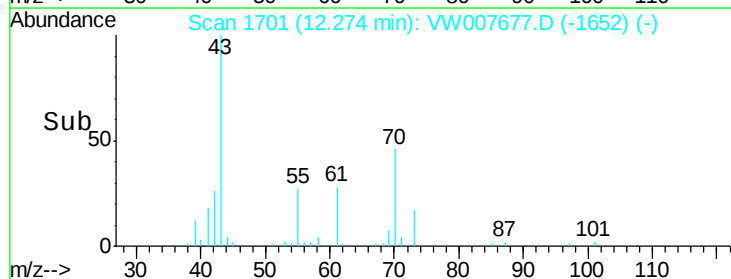
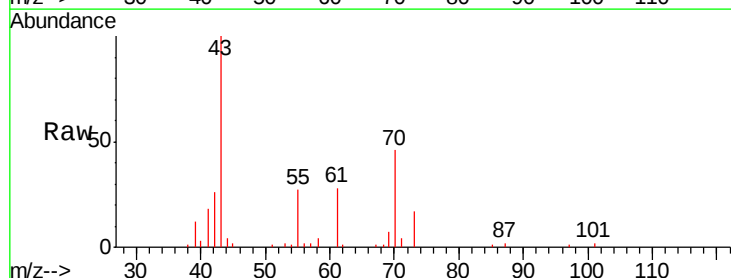
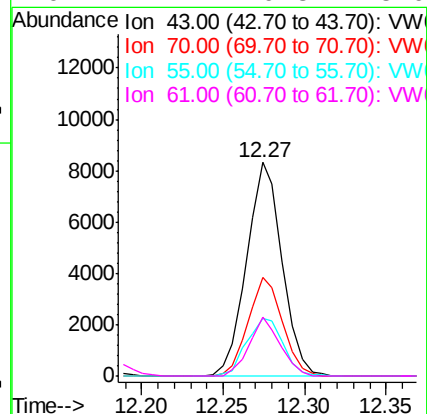
Ion Ratio Lower Upper

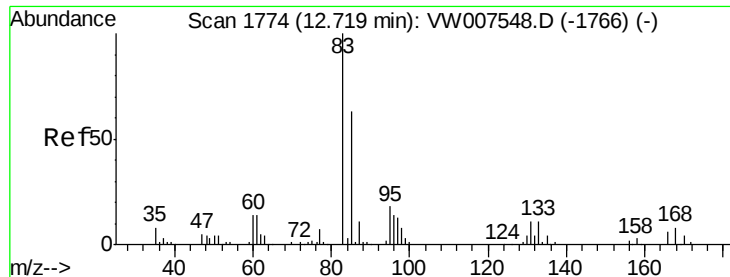
43 100

70 44.7 36.5 54.7

55 27.7 20.1 30.1

61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.477 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

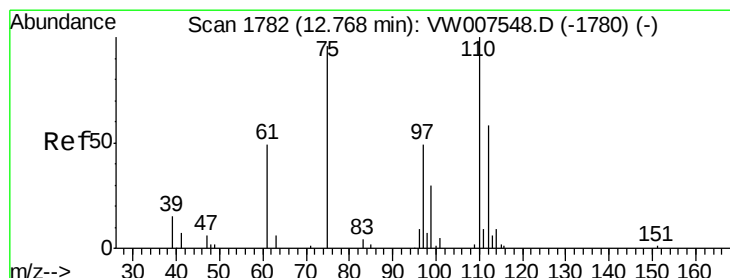
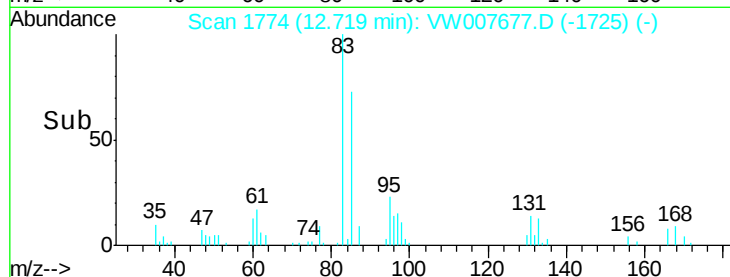
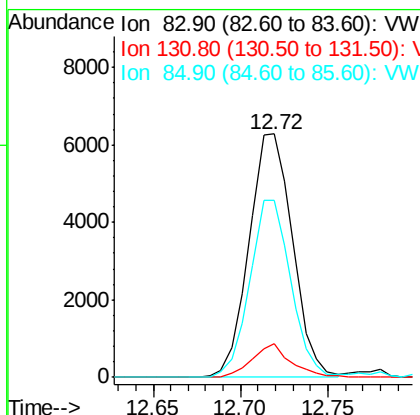
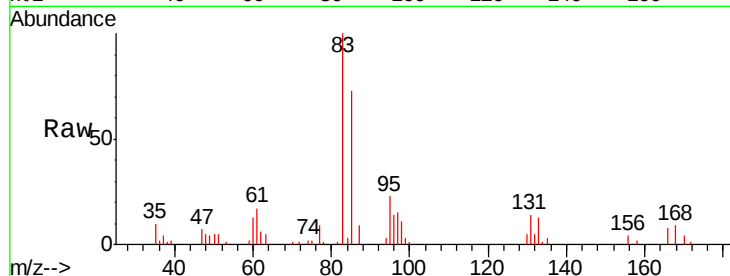
ClientSampleId :

VW1220SBS02

Tgt Ion:	83	Resp:	10873
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.9	17.8
85	68.6	30.0	90.0

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM



#76

1,2,3-Trichloropropane

Concen: 19.197 ug/l m

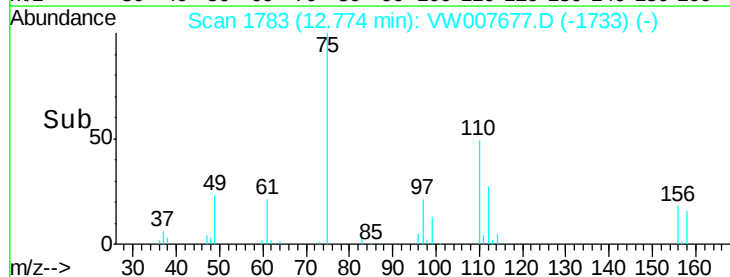
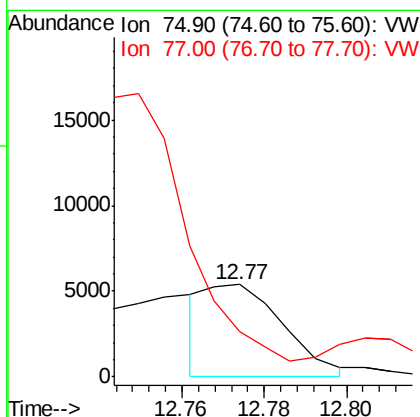
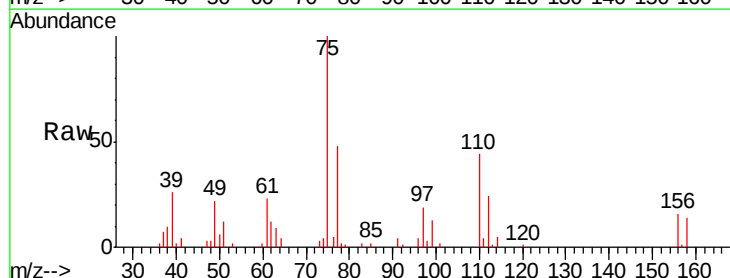
RT: 12.77 min Scan# 1783

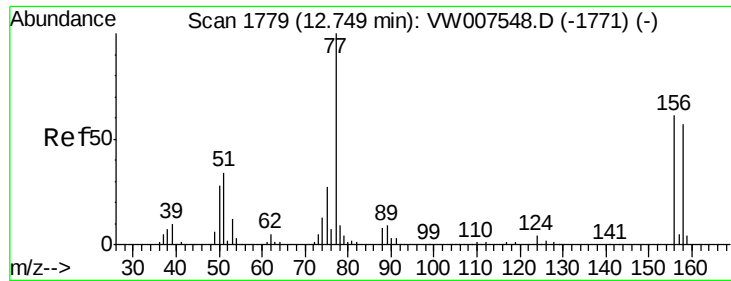
Delta R.T. 0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Tgt Ion:	75	Resp:	7061
Ion Ratio	Lower	Upper	
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 22.858 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Instrument :

MSVOA_W

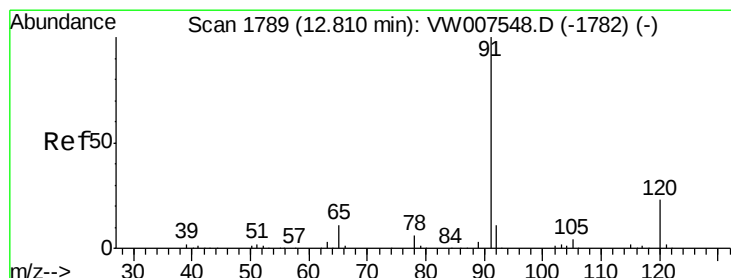
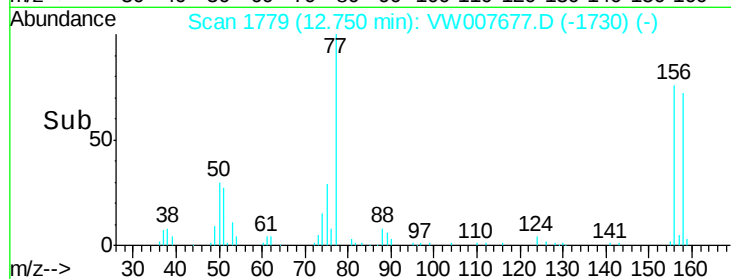
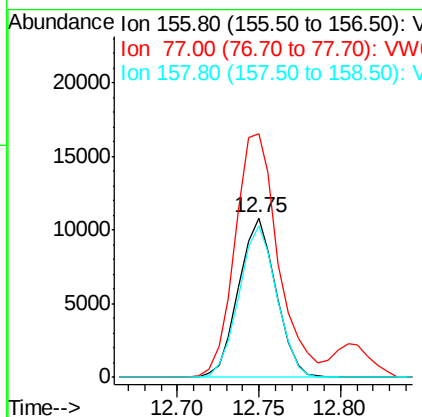
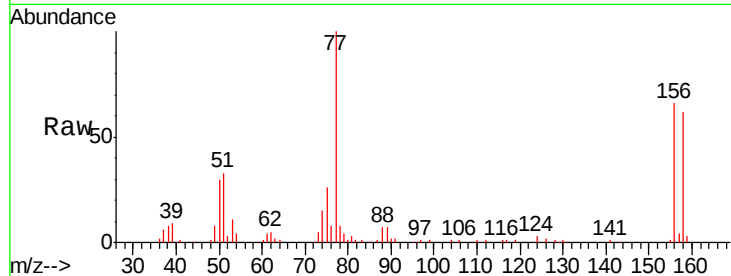
ClientSampleId :

VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	176.2	88.1	264.4
158	95.5	45.6	136.7

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM



#78

n-propylbenzene

Concen: 22.616 ug/l

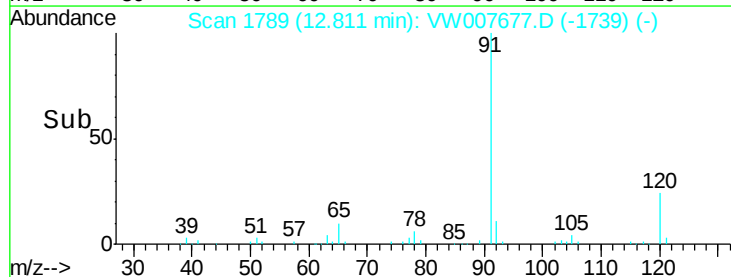
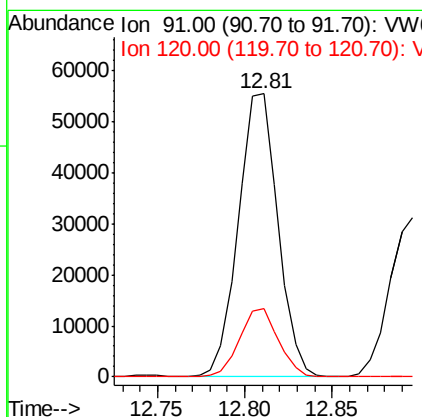
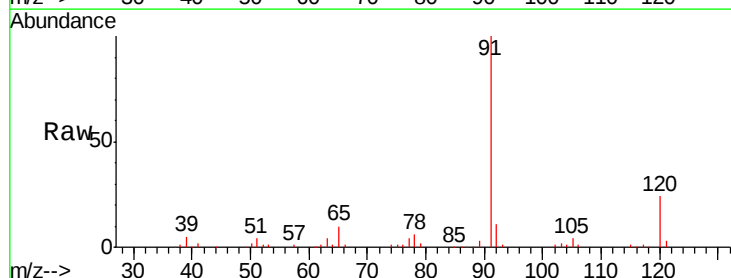
RT: 12.81 min Scan# 1789

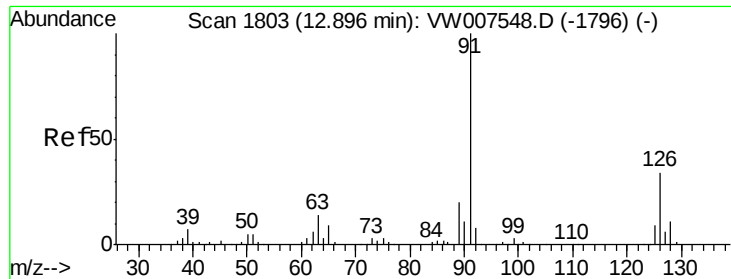
Delta R.T. 0.01 min

Lab File: VW007677.D

Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.5





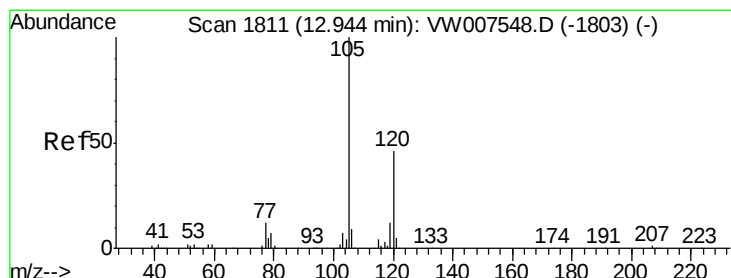
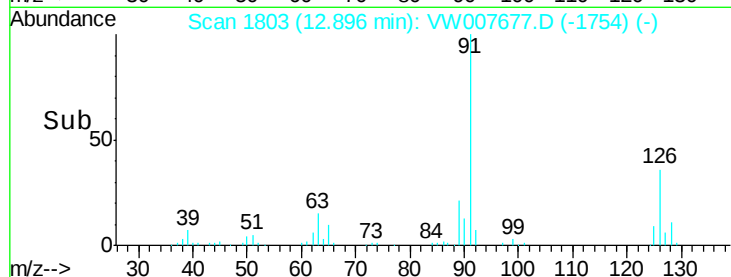
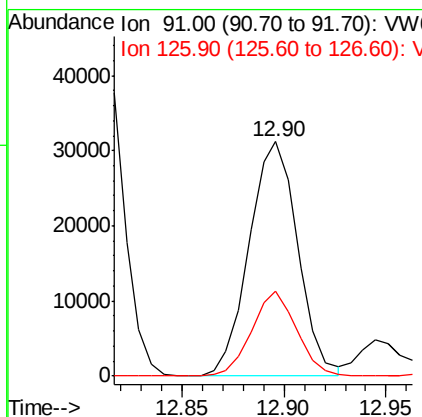
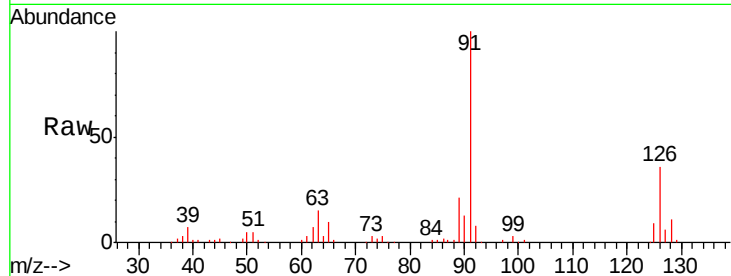
#79
2-Chlorotoluene
Concen: 22.192 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion: 91 Resp: 51655
Ion Ratio Lower Upper
91 100
126 33.5 15.9 47.6

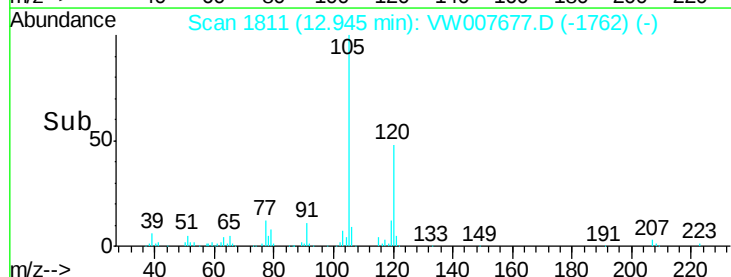
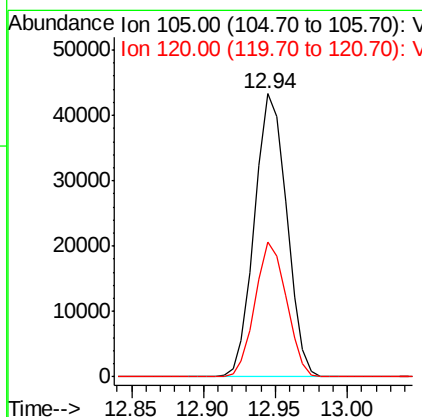
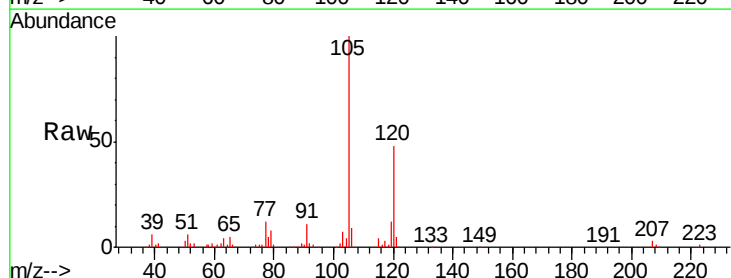
Manual Integrations
APPROVED

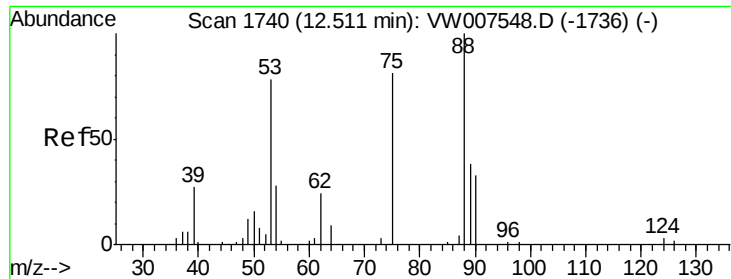
apatel
12/19/2018 12:15:42 PM



#80
1,3,5-Trimethylbenzene
Concen: 23.277 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion: 105 Resp: 66855
Ion Ratio Lower Upper
105 100
120 46.6 23.8 71.4





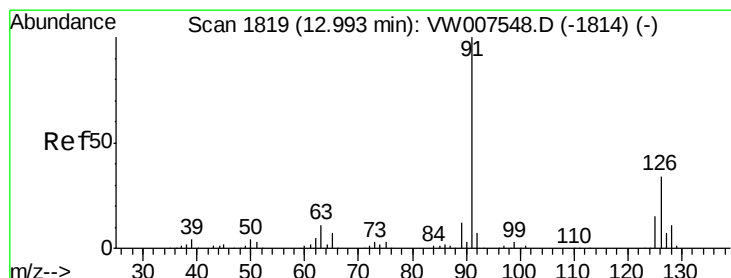
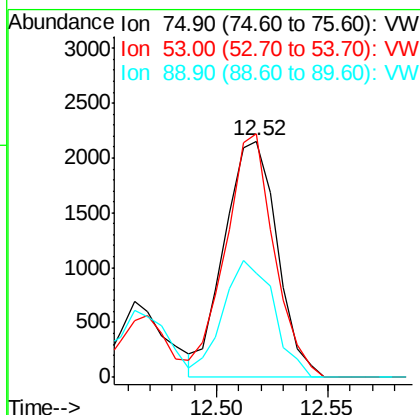
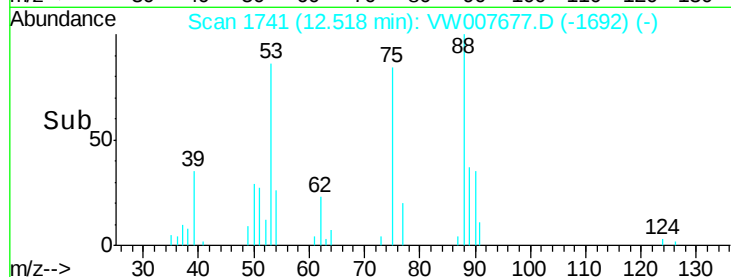
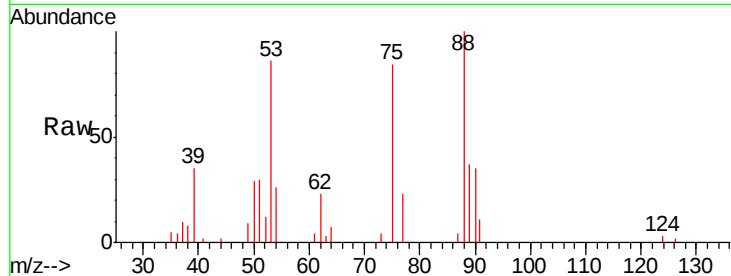
#81
trans-1,4-Dichloro-2-butene
Concen: 21.260 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	95.2	84.9	127.3
89	47.9	40.3	60.5

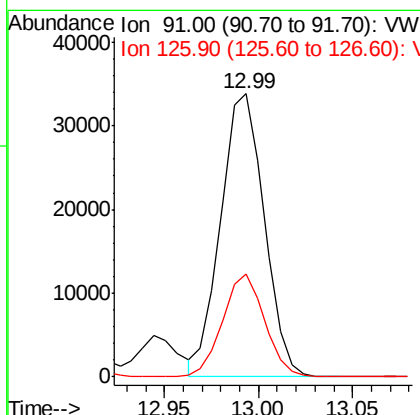
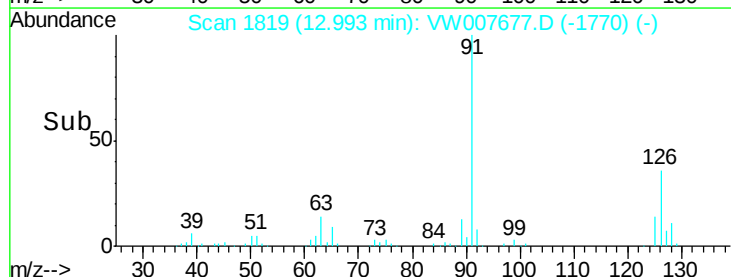
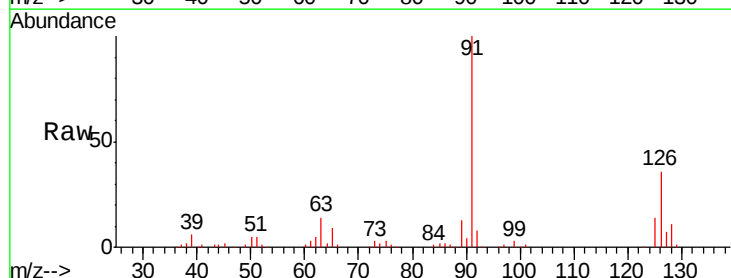
Manual Integrations
APPROVED

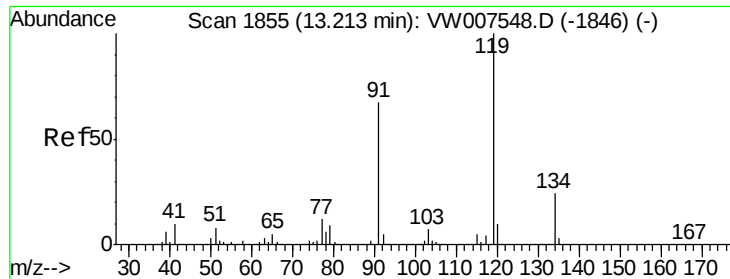
apatel
12/19/2018 12:15:42 PM



#82
4-Chlorotoluene
Concen: 22.166 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.0	48.0





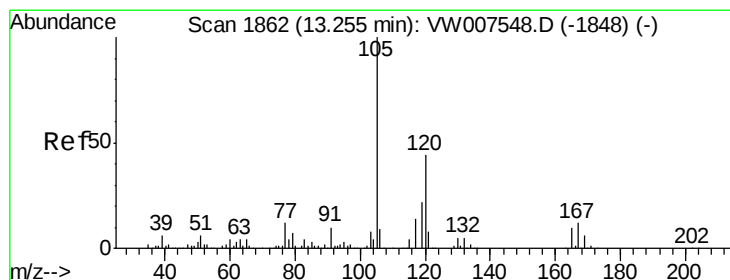
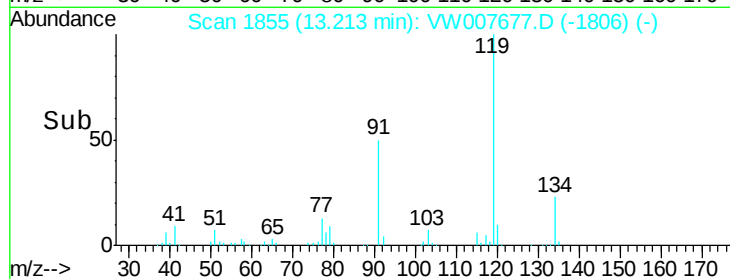
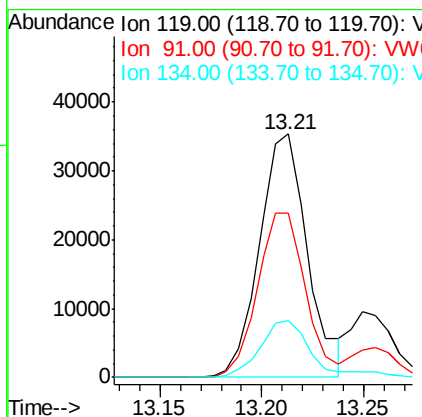
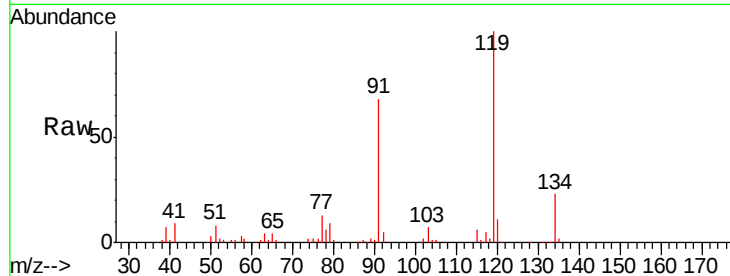
#83
 tert-Butylbenzene
 Concen: 22.947 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.1	99.2
134	25.2	12.5	37.5

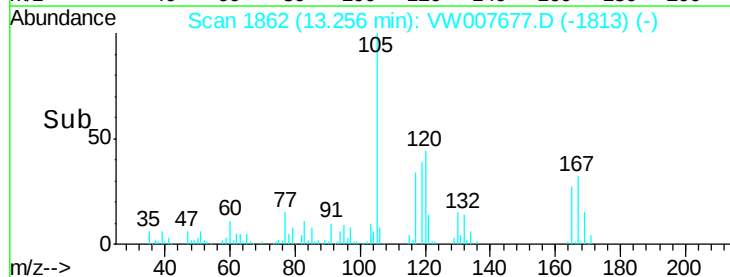
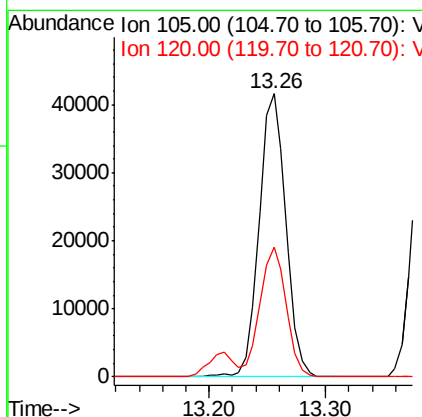
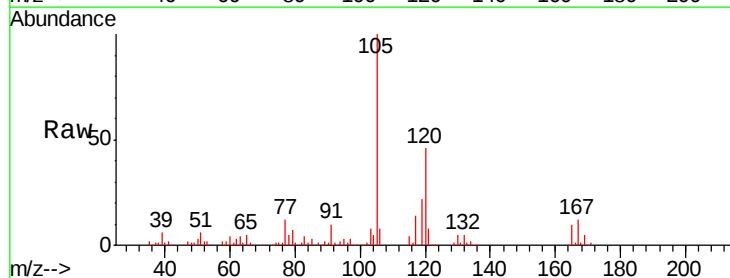
Manual Integrations
 APPROVED

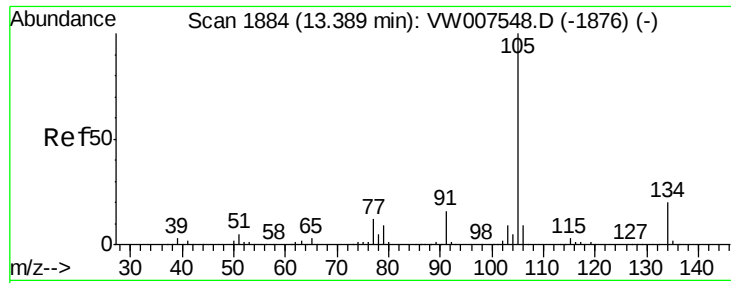
apatel
 12/19/2018 12:15:42 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.507 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





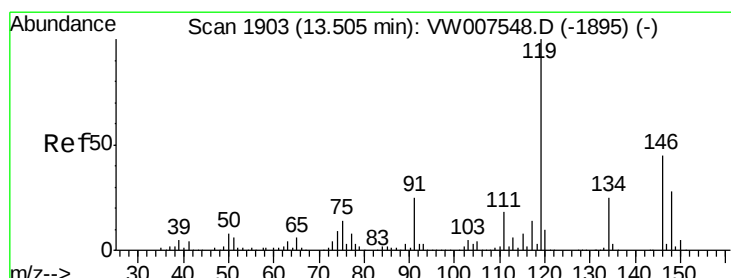
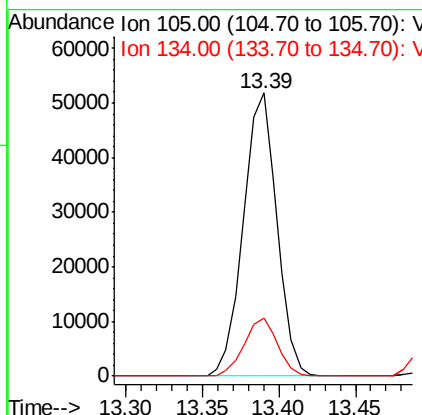
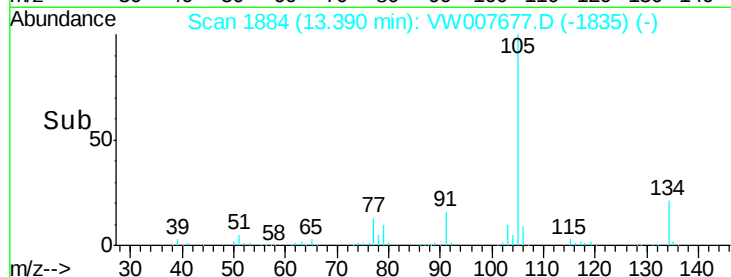
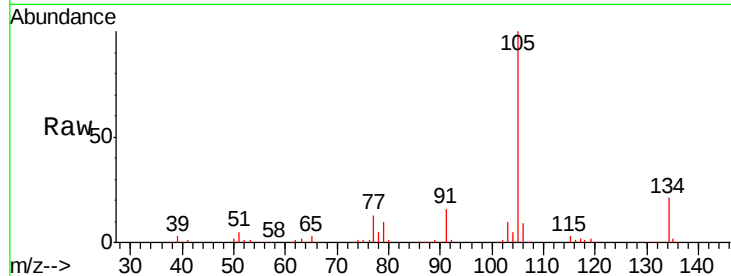
#85
 sec-Butylbenzene
 Concen: 22.805 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion:105 Resp: 78785
 Ion Ratio Lower Upper
 105 100
 134 20.5 11.1 33.3

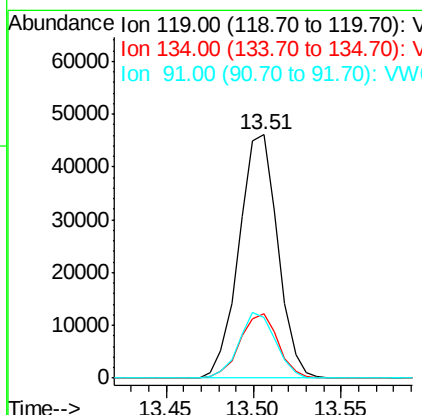
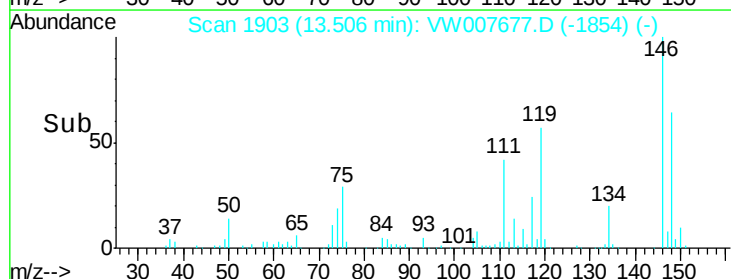
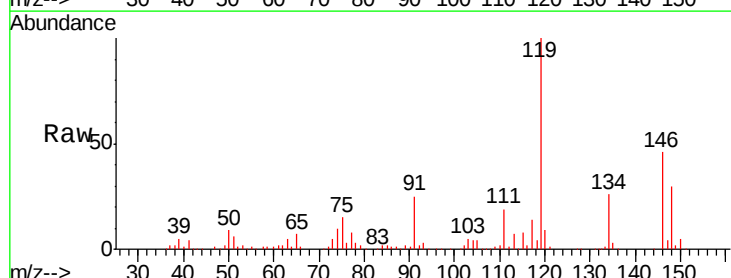
Manual Integrations
 APPROVED

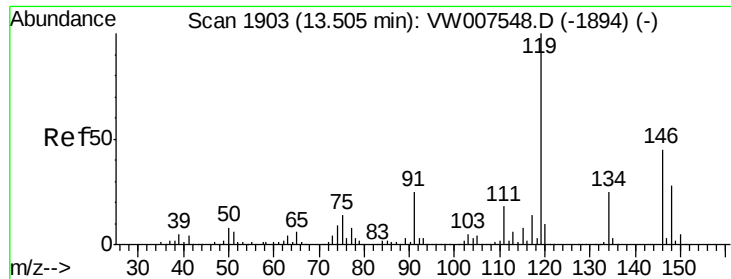
apatel
 12/19/2018 12:15:42 PM



#86
 p-Isopropyltoluene
 Concen: 22.887 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion:119 Resp: 71033
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.9 38.7
 91 25.7 11.9 35.9





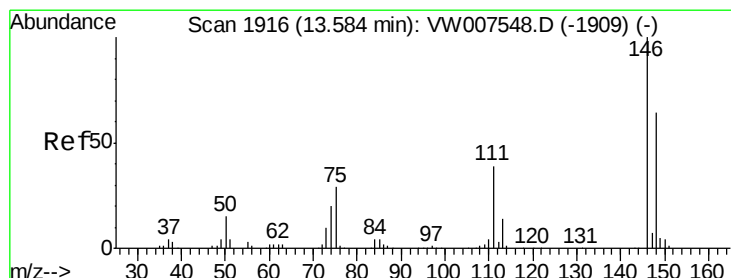
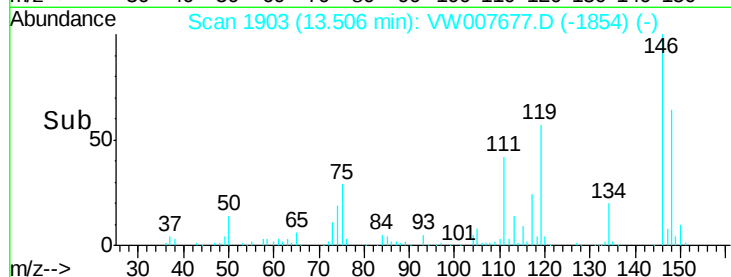
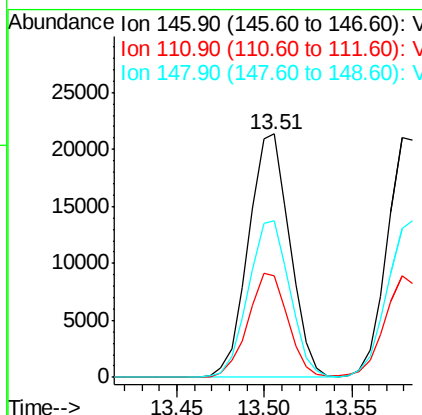
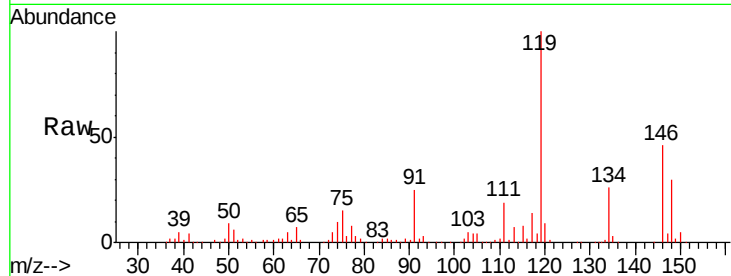
#87
 1,3-Dichlorobenzene
 Concen: 23.187 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	35028		
111	41.6	20.1	60.3	
148	64.6	31.4	94.0	

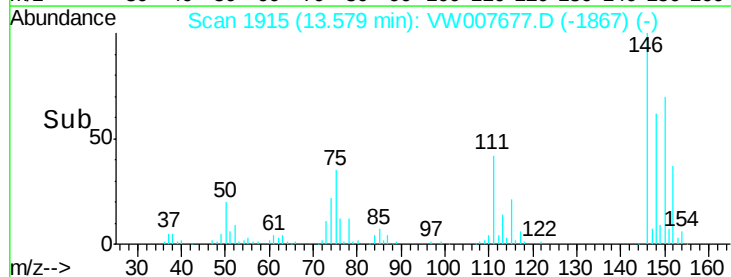
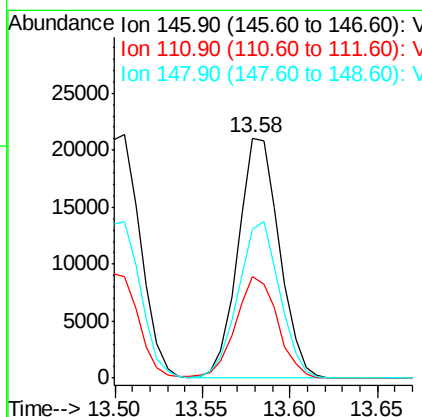
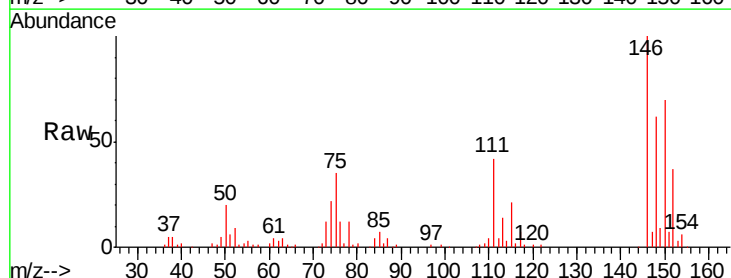
Manual Integrations
 APPROVED

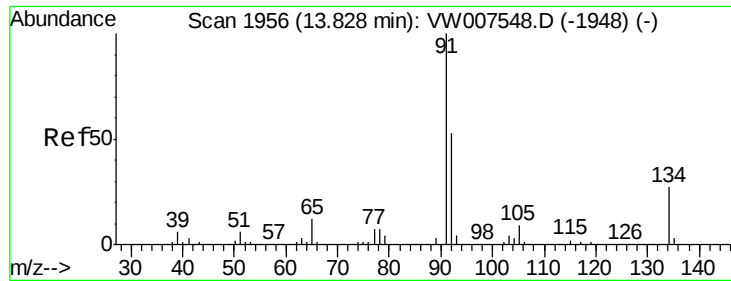
apatel
 12/19/2018 12:15:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.792 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	34615		
111	42.7	20.3	61.0	
148	65.5	33.5	100.5	





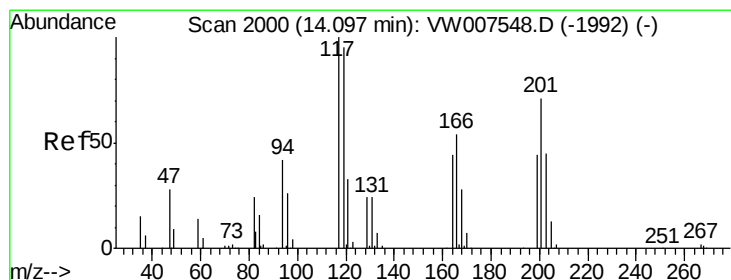
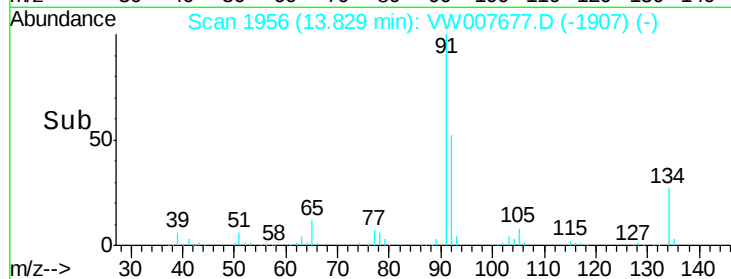
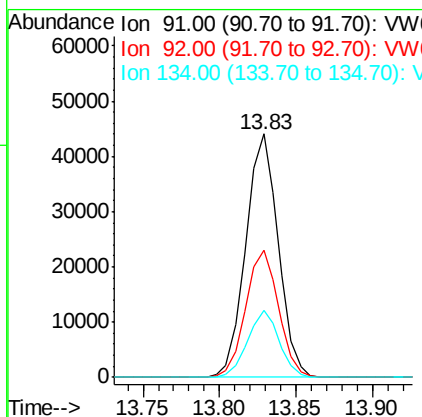
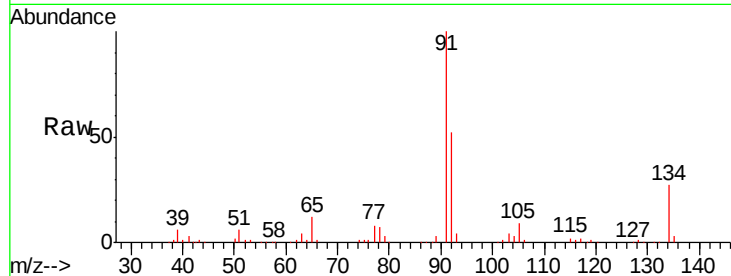
#89
n-Butylbenzene
Concen: 22.524 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion: 91 Resp: 64807
Ion Ratio Lower Upper
91 100
92 52.8 25.7 77.1
134 26.7 13.4 40.2

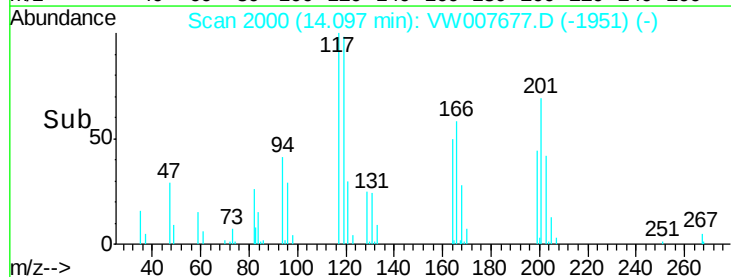
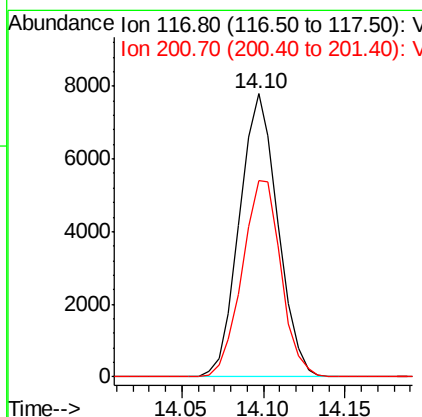
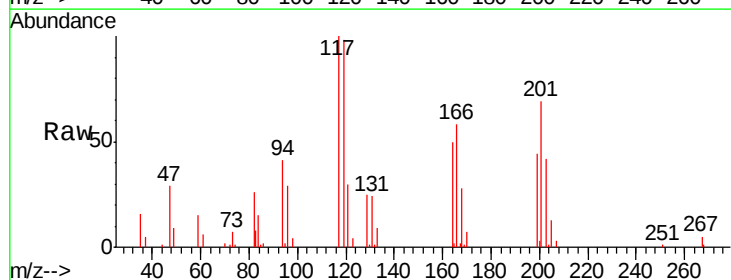
Manual Integrations
APPROVED

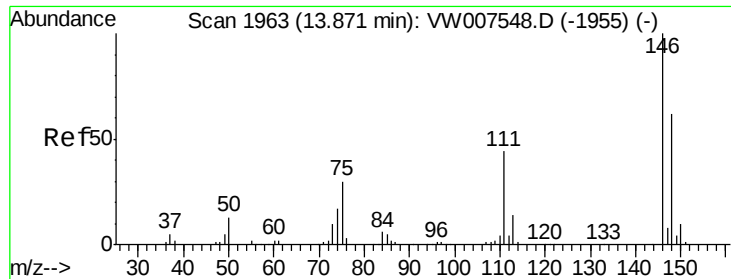
apatel
12/19/2018 12:15:42 PM



#90
Hexachloroethane
Concen: 23.121 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion: 117 Resp: 12768
Ion Ratio Lower Upper
117 100
201 70.4 35.3 105.9





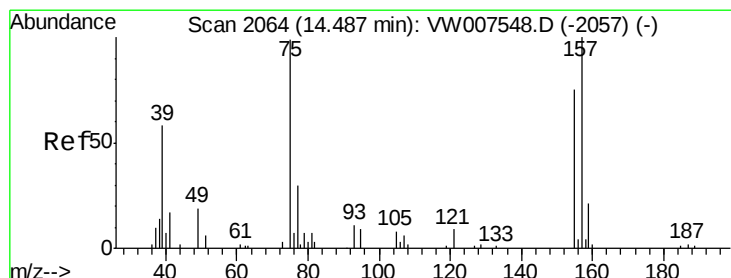
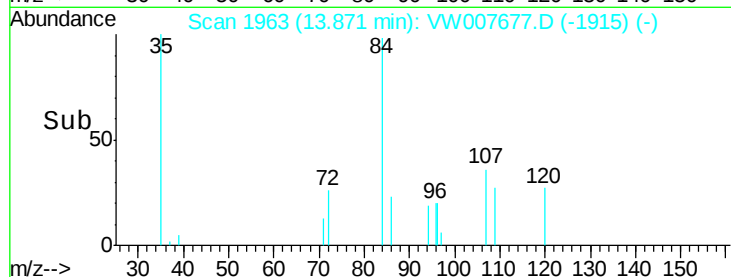
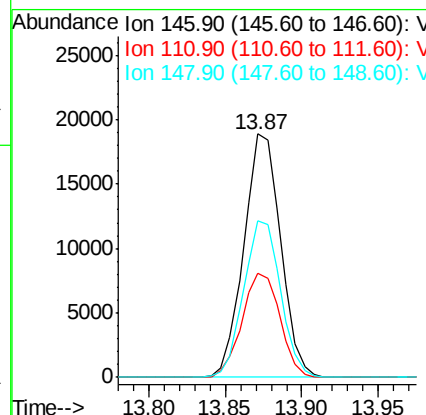
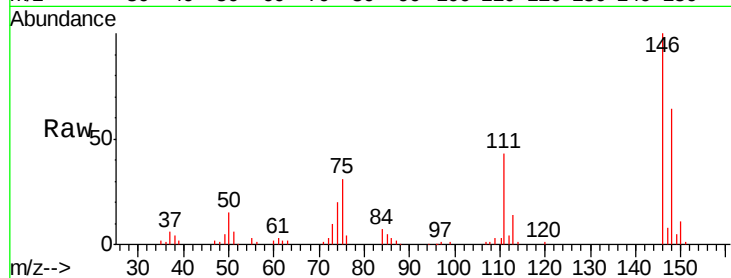
#91
 1,2-Dichlorobenzene
 Concen: 23.358 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.4	67.2
148	64.3	32.4	97.2

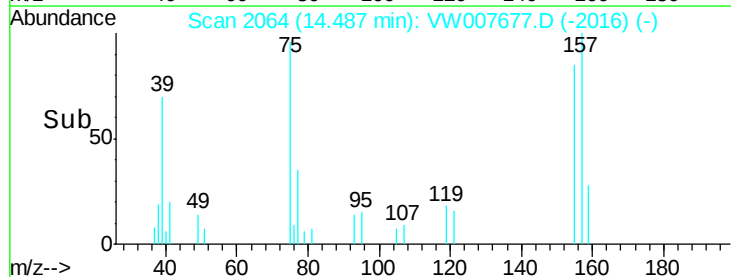
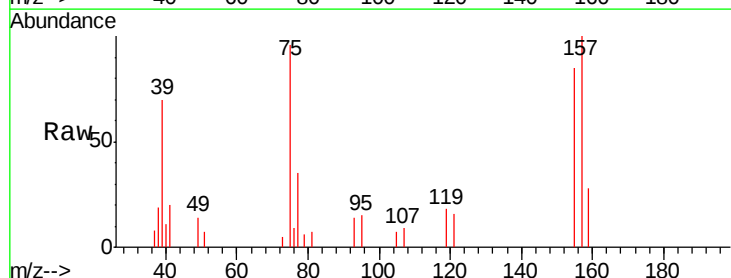
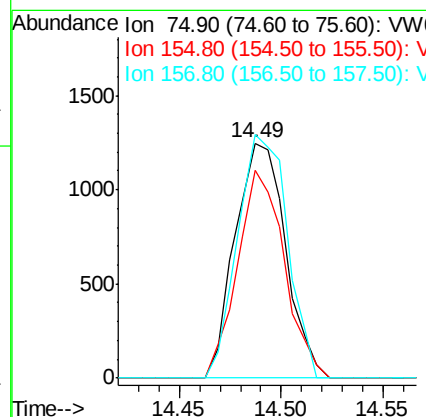
Manual Integrations
 APPROVED

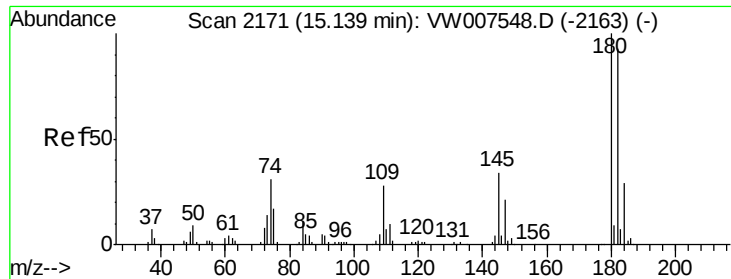
apatel
 12/19/2018 12:15:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.024 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007677.D
 Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	40.8	122.2
157	102.5	51.1	153.4





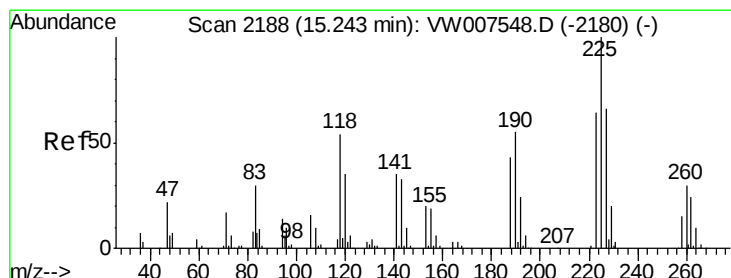
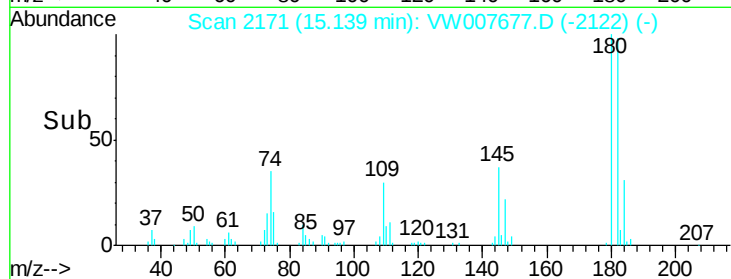
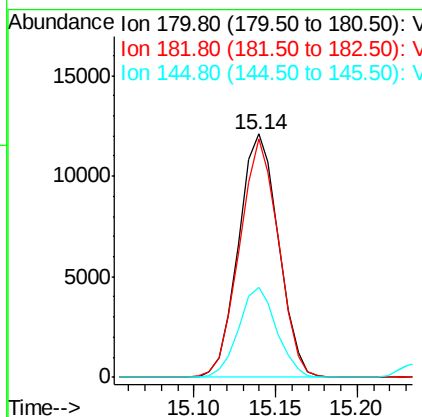
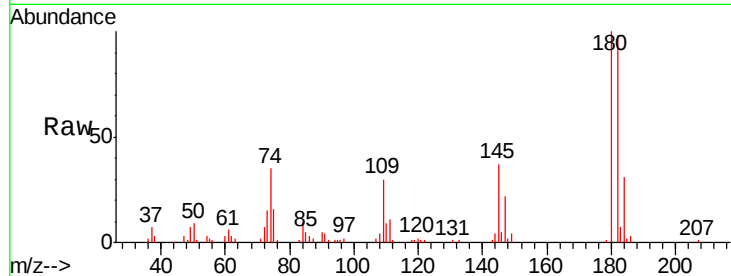
#93
1,2,4-Trichlorobenzene
Concen: 22.177 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	20650		
182	95.4	49.9	149.6	
145	35.0	17.8	53.4	

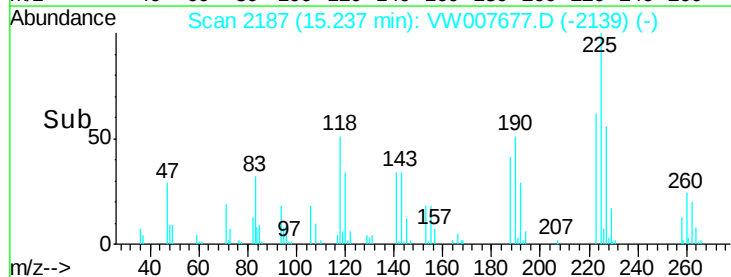
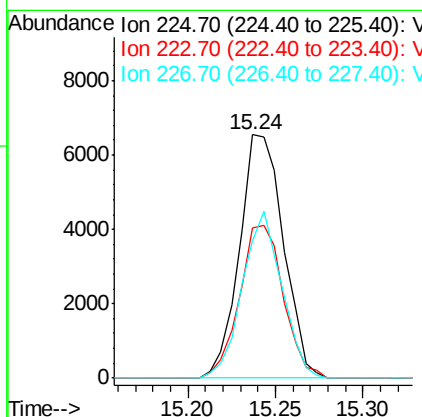
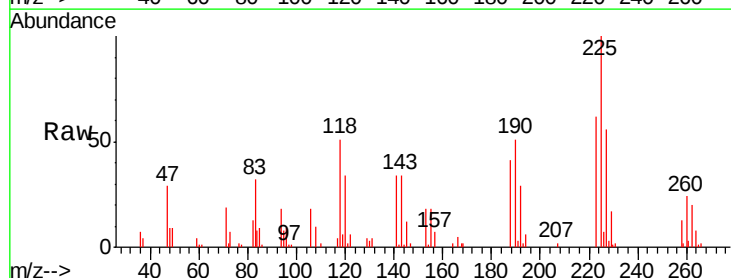
Manual Integrations
APPROVED

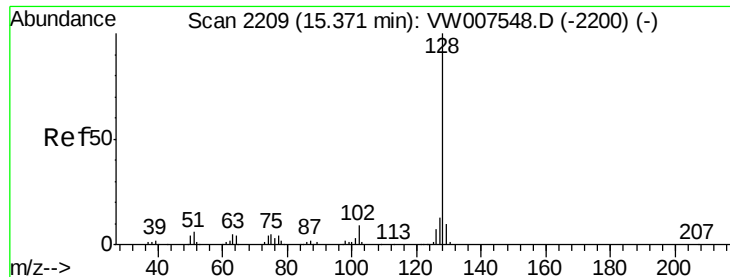
apatel
12/19/2018 12:15:42 PM



#94
Hexachlorobutadiene
Concen: 23.172 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11448		
223	62.6	32.1	96.3	
227	61.2	31.9	95.9	





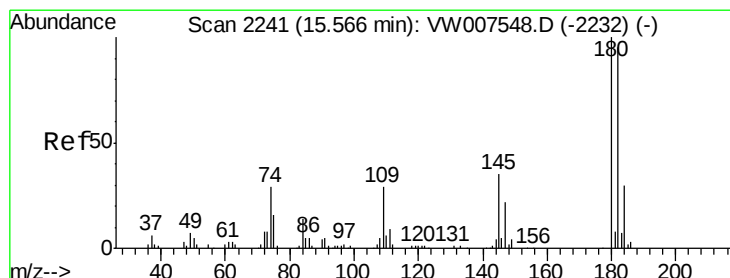
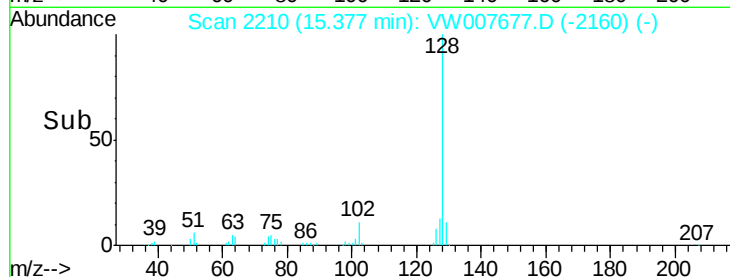
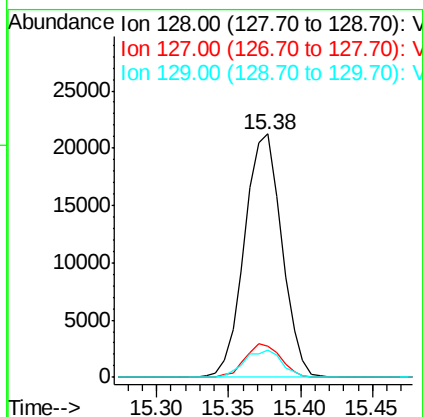
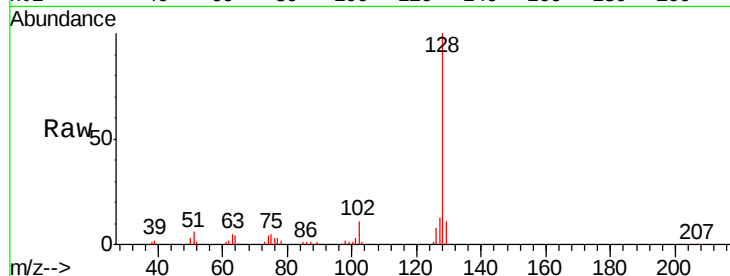
#95
Naphthalene
Concen: 21.404 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Instrument :
MSVOA_W
ClientSampleId :
VW1220SBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.1	8.3	12.5

Manual Integrations
APPROVED

apatel
12/19/2018 12:15:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.701 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007677.D
Acq: 19 Dec 2018 01:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	45.6	136.7
145	36.3	17.5	52.5

