

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100618\
 Data File : VW005867.D
 Acq On : 04 Oct 2018 23:13
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/5/2018 3:12:47 PM

Quant Time: Oct 05 01:17:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	200785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	284562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	116236	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	7.89	113	97580	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.33	98	403129	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
62) 4-Bromofluorobenzene	12.62	95	151443	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	63336	55.236	ug/l	94
3) Chloromethane	2.21	50	68898	49.864	ug/l	94
4) Vinyl Chloride	2.37	62	100199	49.524	ug/l	100
5) Bromomethane	2.79	94	66256	46.990	ug/l	99
6) Chloroethane	2.93	64	60694	49.048	ug/l	98
7) Trichlorofluoromethane	3.26	101	65692	47.210	ug/l	95
8) Diethyl Ether	3.68	74	51980	49.262	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	98798	51.337	ug/l	99
10) Methyl Iodide	4.27	142	158640	50.802	ug/l	98
11) Tert butyl alcohol	5.21	59	35608	241.756	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	97112	51.499	ug/l	95
13) Acrolein	3.90	56	42607	287.909	ug/l	99
14) Allyl chloride	4.67	41	160095	52.313	ug/l	99
15) Acrylonitrile	5.37	53	120899	270.382	ug/l	99
16) Acetone	4.14	43	119816	294.743	ug/l	99
17) Carbon Disulfide	4.38	76	311737	52.284	ug/l	99
18) Methyl Acetate	4.68	43	61898	53.540	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	153609	51.889	ug/l	98
20) Methylene Chloride	4.92	84	110192	49.274	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	108776	52.849	ug/l	96
22) Diisopropyl ether	6.32	45	299201	49.817	ug/l	99
23) Vinyl Acetate	6.26	43	914305	267.986	ug/l	99
24) 1,1-Dichloroethane	6.21	63	189841	48.713	ug/l	99
25) 2-Butanone	7.18	43	158517	277.208	ug/l	99
26) 2,2-Dichloropropane	7.17	77	118343	48.634	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	115941	50.536	ug/l	99
28) Bromochloromethane	7.51	49	64207	46.646	ug/l	99
29) Tetrahydrofuran	7.53	42	100892	285.805	ug/l	99
30) Chloroform	7.68	83	201856	48.332	ug/l	98
31) Cyclohexane	7.96	56	167446	50.259	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	170754	47.903	ug/l	98
36) 1,1-Dichloropropene	8.09	75	157302	55.612	ug/l	98
37) Ethyl Acetate	7.26	43	64826	55.067	ug/l	99
38) Carbon Tetrachloride	8.07	117	166277	52.757	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100618\
 Data File : VW005867.D
 Acq On : 04 Oct 2018 23:13
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/5/2018 3:12:47 PM

Quant Time: Oct 05 01:17:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	178764	56.140	ug/l	97
40) Benzene	8.33	78	419842	51.214	ug/l	94
41) Methacrylonitrile	7.49	41	40035	56.911	ug/l	92
42) 1,2-Dichloroethane	8.40	62	141321	51.254	ug/l	100
43) Isopropyl Acetate	8.43	43	127460	54.777	ug/l	99
44) Trichloroethene	9.10	130	108818	50.224	ug/l	99
45) 1,2-Dichloropropane	9.37	63	96478	49.700	ug/l	98
46) Dibromomethane	9.46	93	53650	50.533	ug/l	99
47) Bromodichloromethane	9.65	83	145546	51.799	ug/l	93
48) Methyl methacrylate	9.44	41	61192	54.318	ug/l	96
49) 1,4-Dioxane	9.47	88	17578	1059.687	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	355132	293.364	ug/l	98
52) Toluene	10.39	92	290684	55.635	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	154722	56.396	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	173834	56.594	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	83637	54.531	ug/l	99
56) Ethyl methacrylate	10.65	69	110506	60.160	ug/l	98
57) 1,3-Dichloropropane	10.94	76	145221	55.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	220468	291.953	ug/l	98
59) 2-Hexanone	10.98	43	252871	312.310	ug/l	100
60) Dibromochloromethane	11.13	129	103798	54.213	ug/l	97
61) 1,2-Dibromoethane	11.24	107	77986	54.739	ug/l	98
64) Tetrachloroethene	10.87	164	114428	50.513	ug/l	98
65) Chlorobenzene	11.66	112	316960	49.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	115456	49.088	ug/l	98
67) Ethyl Benzene	11.74	91	572249	52.666	ug/l	100
68) m/p-Xylenes	11.85	106	441546	105.459	ug/l	99
69) o-Xylene	12.17	106	205404	52.780	ug/l	99
70) Styrene	12.19	104	353604	53.568	ug/l	99
71) Bromoform	12.35	173	67040	51.776	ug/l #	100
73) Isopropylbenzene	12.47	105	586570	53.347	ug/l	100
74) N-amyl acetate	12.28	43	132313	55.294	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	97024	51.429	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67682m	46.602	ug/l	
77) Bromobenzene	12.75	156	137381	50.605	ug/l	100
78) n-propylbenzene	12.81	91	684652	52.351	ug/l	98
79) 2-Chlorotoluene	12.90	91	392724	50.417	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	497795	52.133	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	32621	56.777	ug/l	97
82) 4-Chlorotoluene	12.99	91	419833	51.131	ug/l	100
83) tert-Butylbenzene	13.21	119	424357	53.290	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	502745	51.278	ug/l	97
85) sec-Butylbenzene	13.39	105	616726	53.651	ug/l	98
86) p-Isopropyltoluene	13.51	119	562681	54.533	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	277245	50.624	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	277409	50.769	ug/l	99
89) n-Butylbenzene	13.83	91	519373	54.655	ug/l	99
90) Hexachloroethane	14.10	117	97825	50.424	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	249333	50.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19346	53.041	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100618\
Data File : VW005867.D
Acq On : 04 Oct 2018 23:13
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM

Quant Time: Oct 05 01:17:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 04 07:08:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	183700	53.385	ug/l	100
94) Hexachlorobutadiene	15.24	225	114776	52.749	ug/l	100
95) Naphthalene	15.38	128	339108	51.854	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	165909	53.629	ug/l	100

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

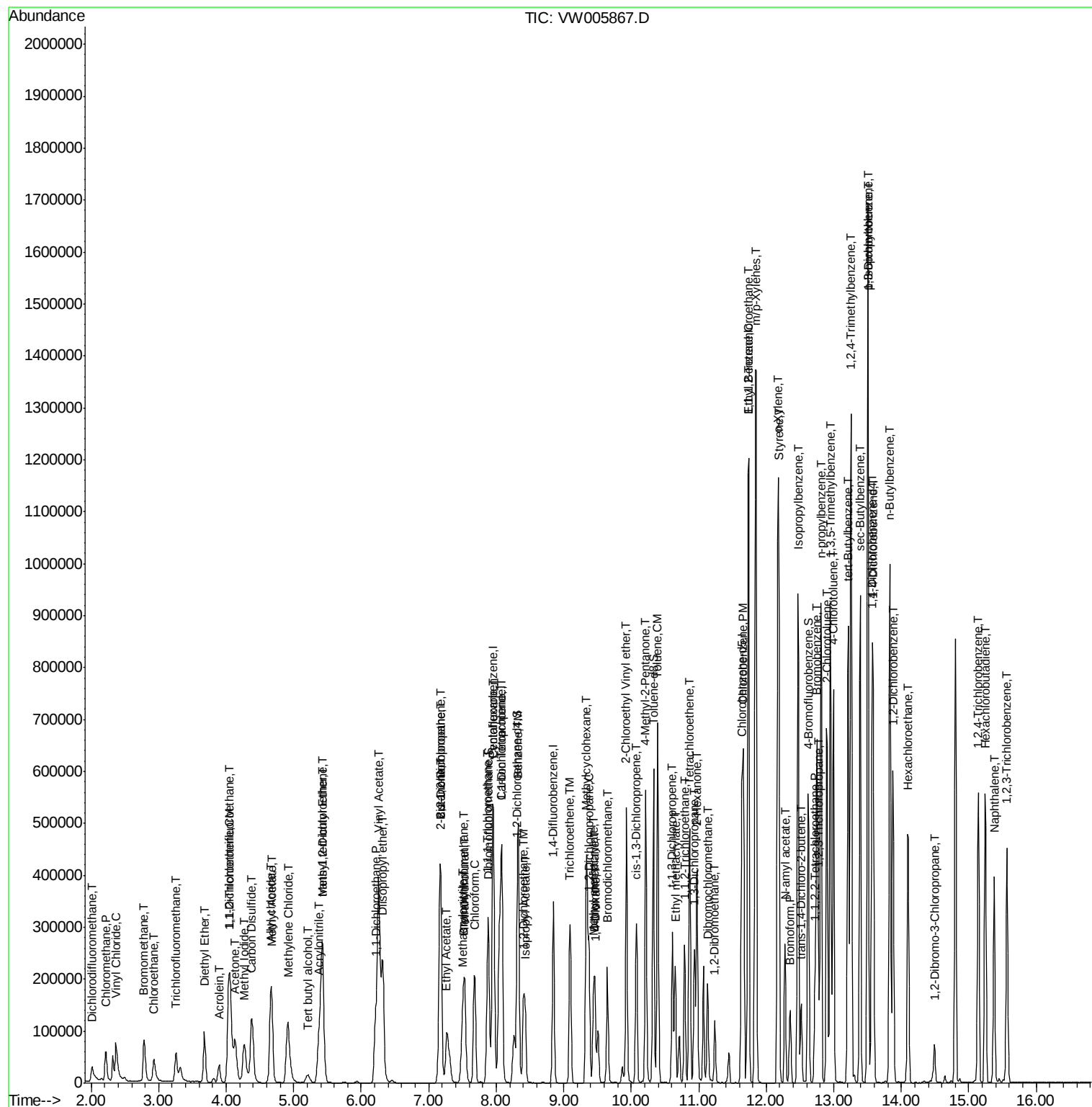
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100618\
Data File : VW005867.D
Acq On : 04 Oct 2018 23:13
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

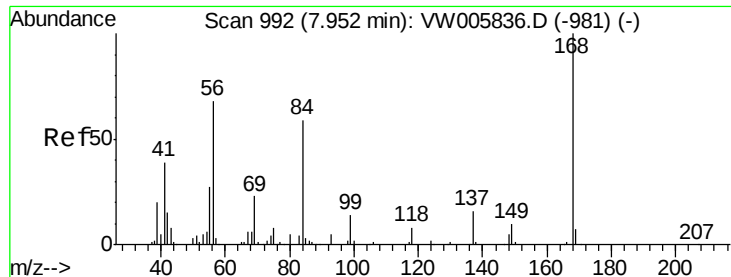
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM

Quant Time: Oct 05 01:17:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 04 07:08:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 200785

Ion Ratio Lower Upper

168 100

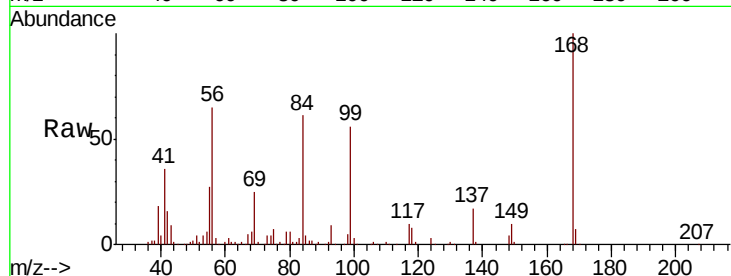
99 55.6 45.4 68.2

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

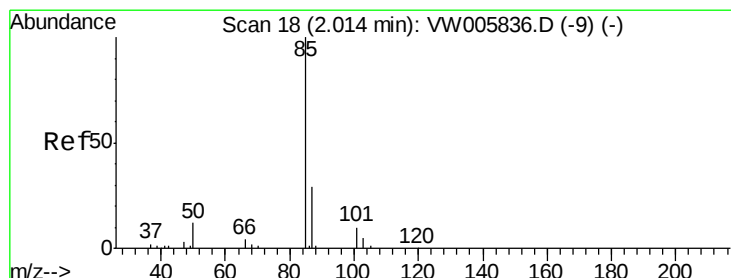
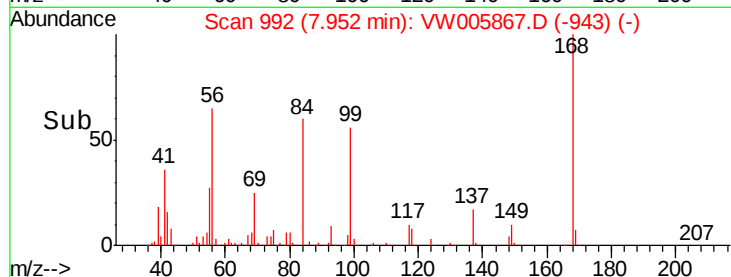
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 55.236 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005867.D

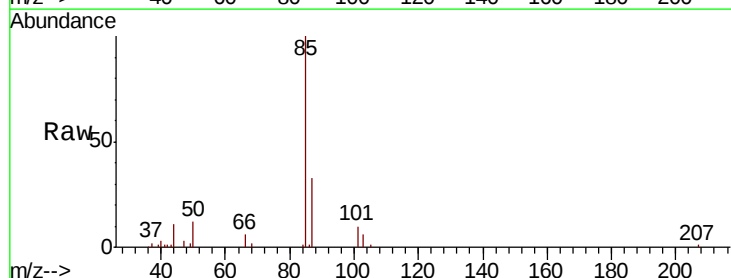
Acq: 04 Oct 2018 23:13

Tgt Ion: 85 Resp: 63336

Ion Ratio Lower Upper

85 100

87 32.9 14.8 44.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

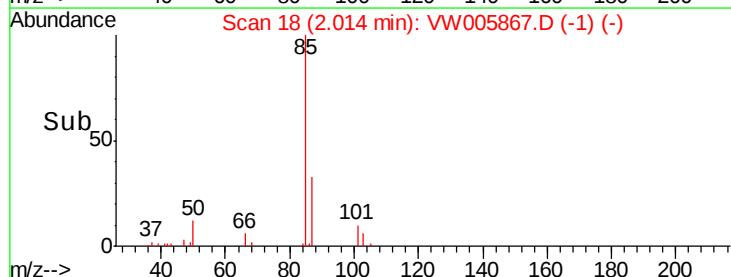
10000

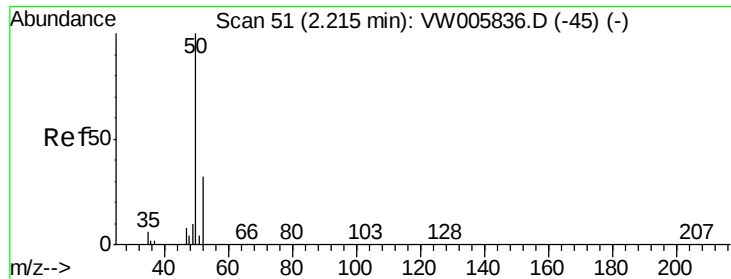
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 49.864 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 68898

Ion Ratio Lower Upper

50 100

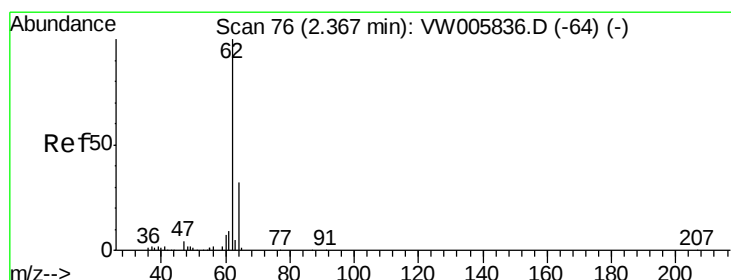
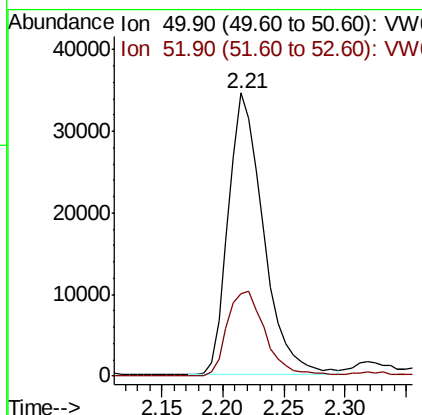
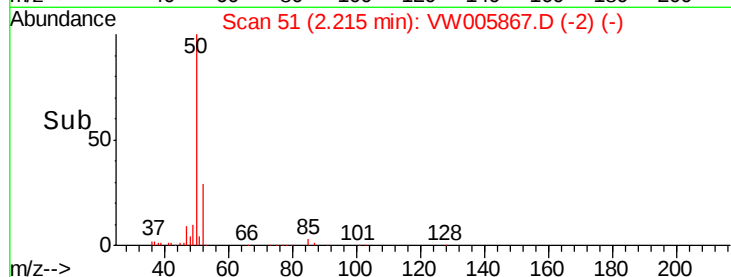
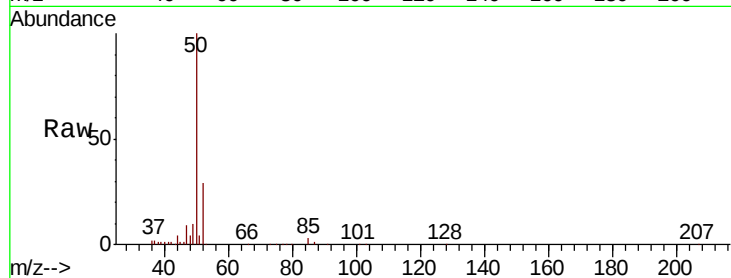
52 29.2 26.0 39.0

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



#4

Vinyl Chloride

Concen: 49.524 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005867.D

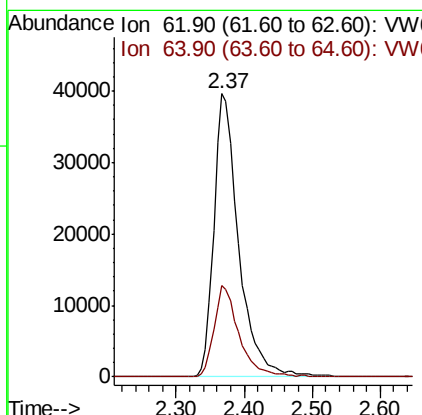
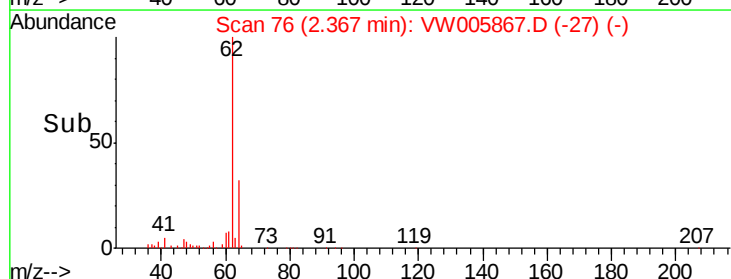
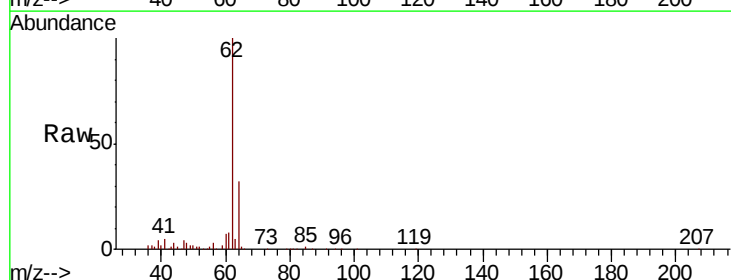
Acq: 04 Oct 2018 23:13

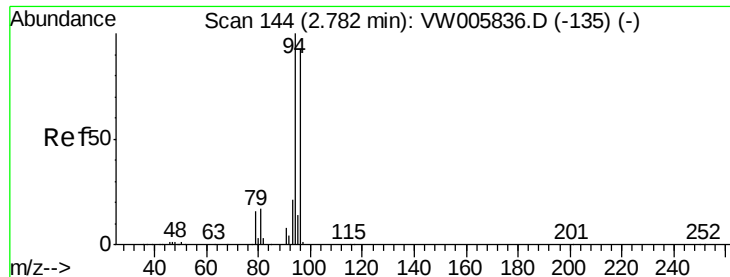
Tgt Ion: 62 Resp: 100199

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 46.990 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66256

Ion Ratio Lower Upper

94 100

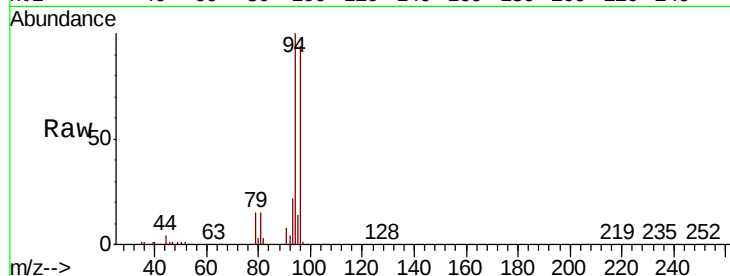
96 93.9 74.5 111.7

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

30000

25000

20000

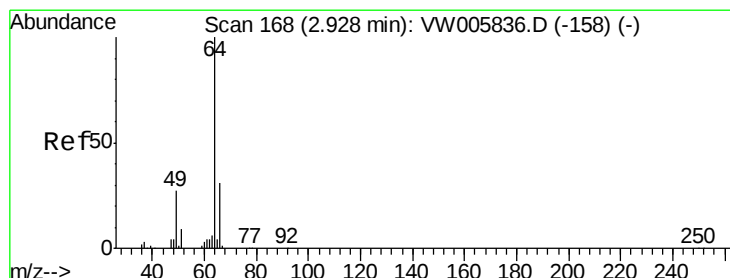
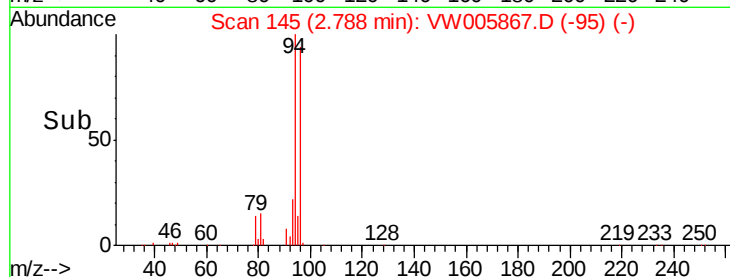
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 49.048 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005867.D

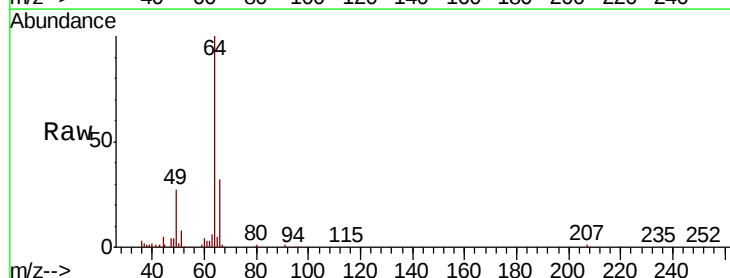
Acq: 04 Oct 2018 23:13

Tgt Ion: 64 Resp: 60694

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

25000

20000

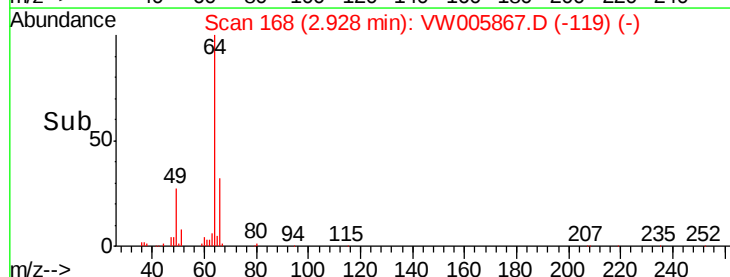
15000

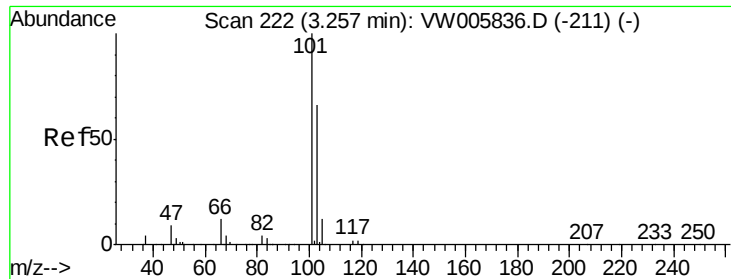
10000

5000

0

Time-->





#7

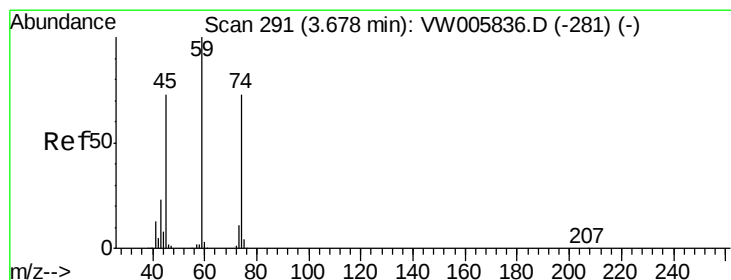
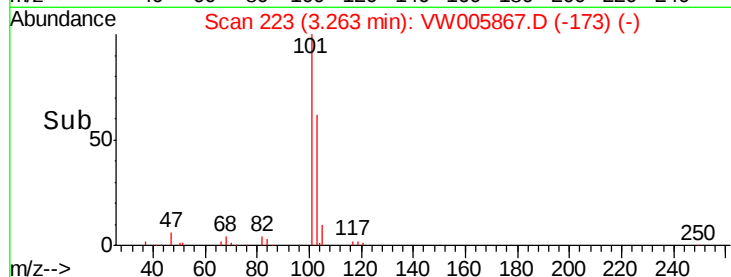
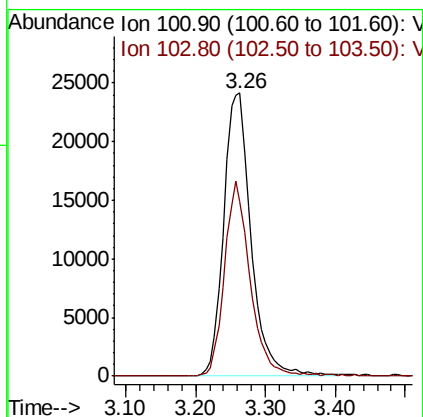
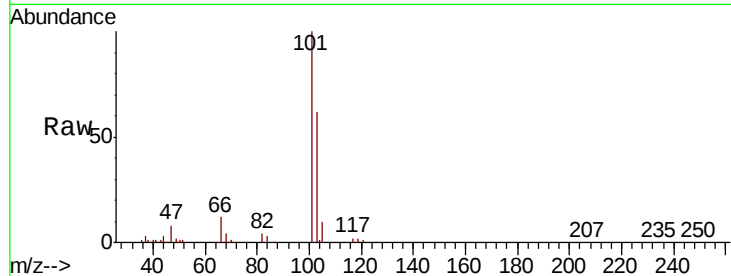
Trichlorofluoromethane
Concen: 47.210 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.5	78.7

Manual Integrations
APPROVED

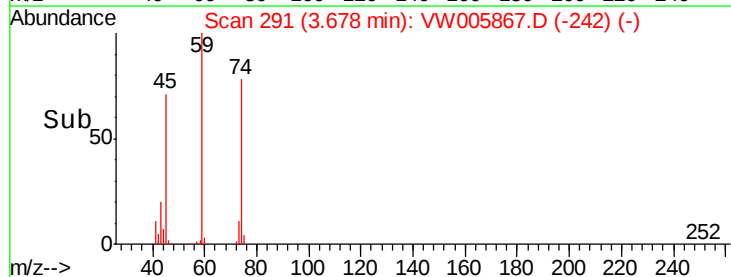
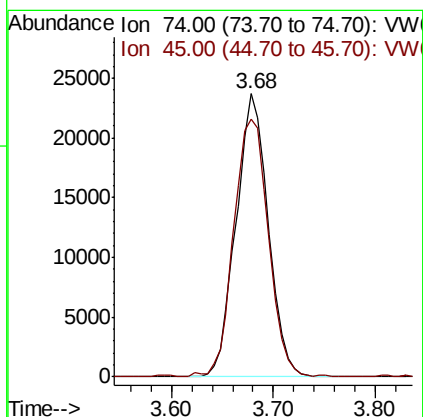
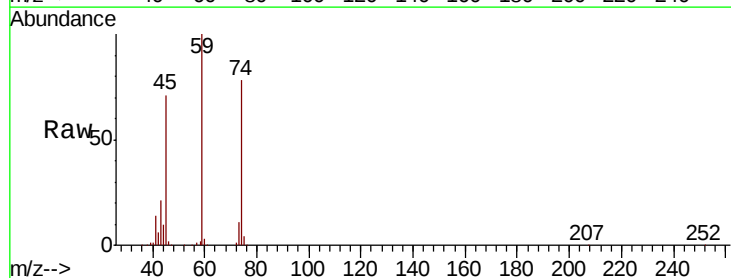
apatel
10/5/2018 3:12:47 PM

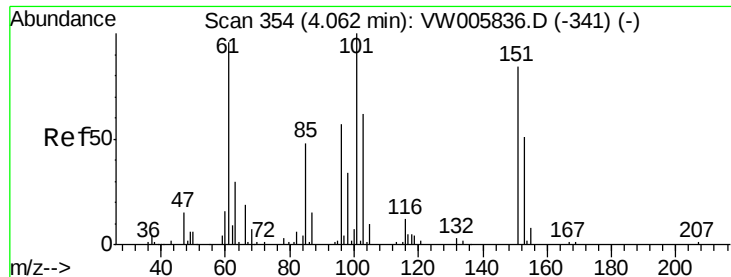


#8

Diethyl Ether
Concen: 49.262 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	49.1	147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.337 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

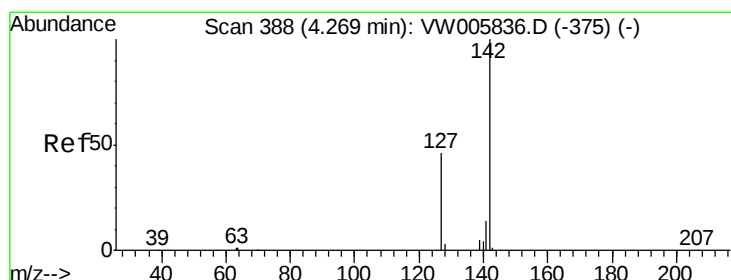
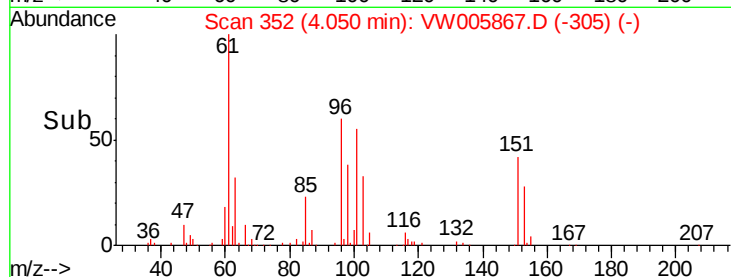
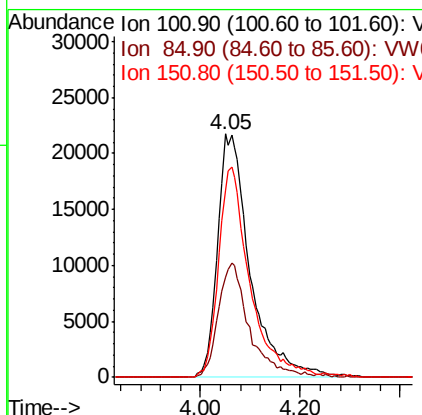
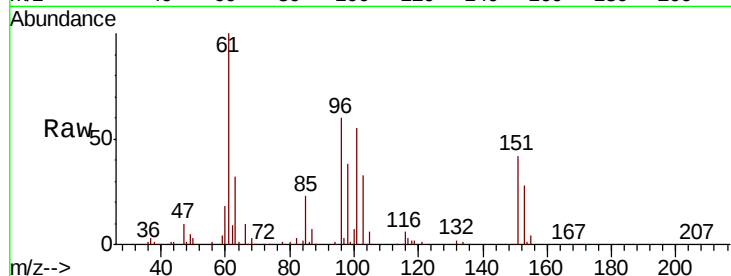
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.5	53.3
151	82.6	67.4	101.2

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM



#10

Methyl Iodide

Concen: 50.802 ug/l

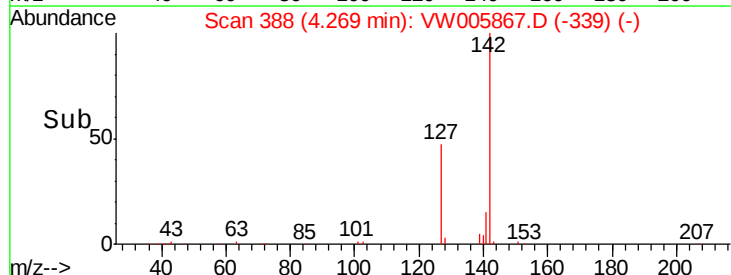
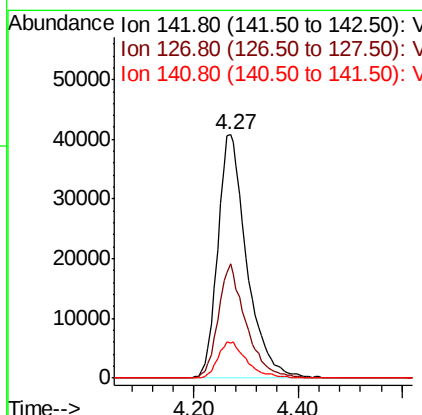
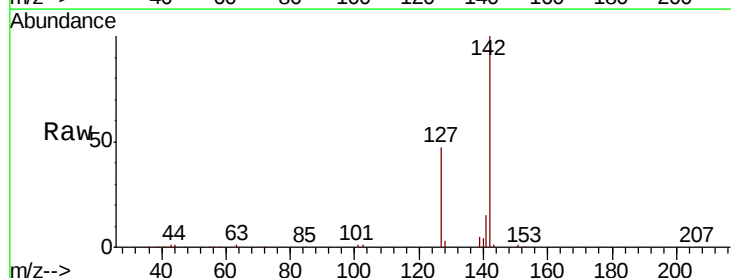
RT: 4.27 min Scan# 388

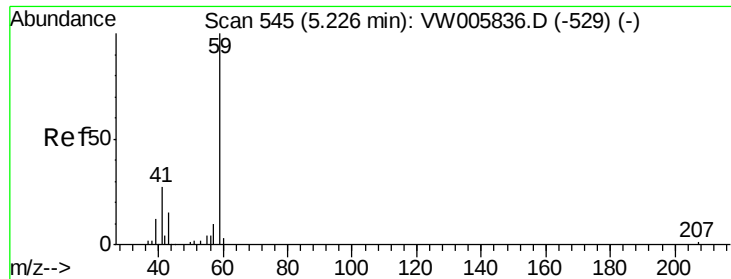
Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.8	37.4	56.0
141	15.0	12.2	18.2





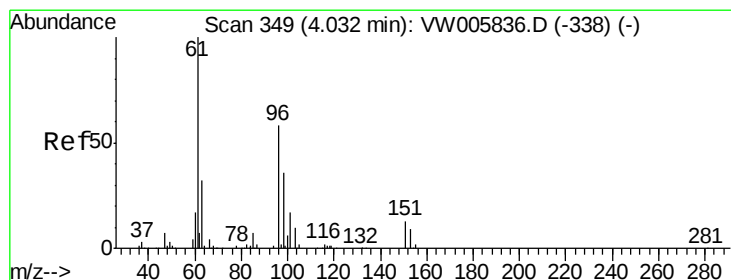
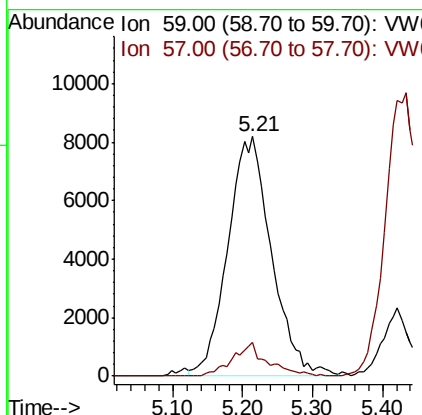
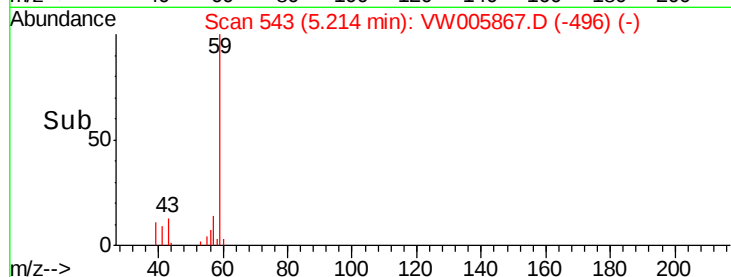
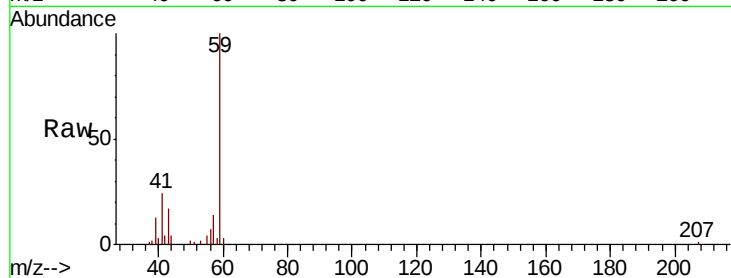
#11
Tert butyl alcohol
Concen: 241.756 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 35608
Ion Ratio Lower Upper
59 100
57 11.0 4.9 7.3#

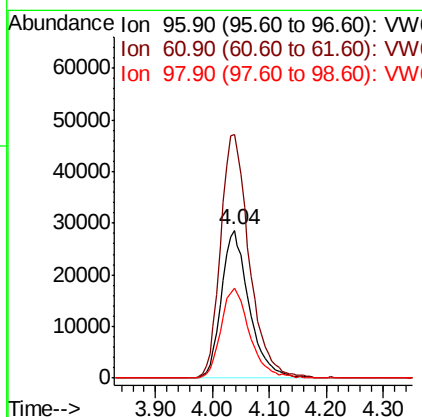
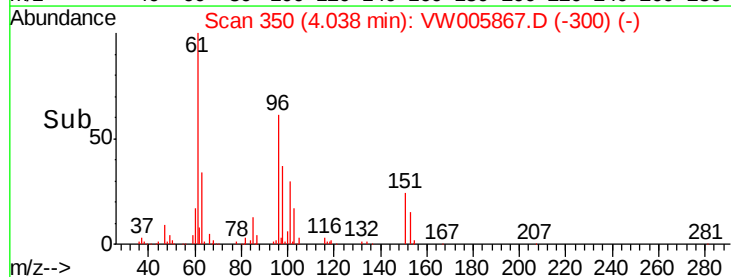
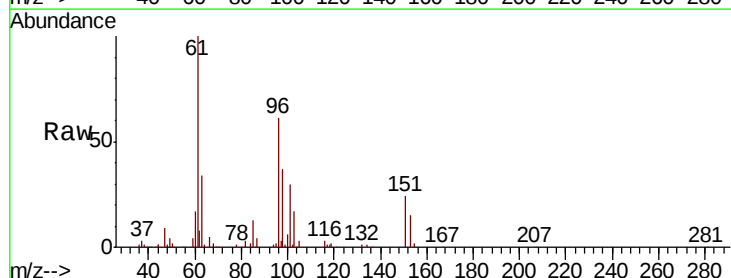
Manual Integrations
APPROVED

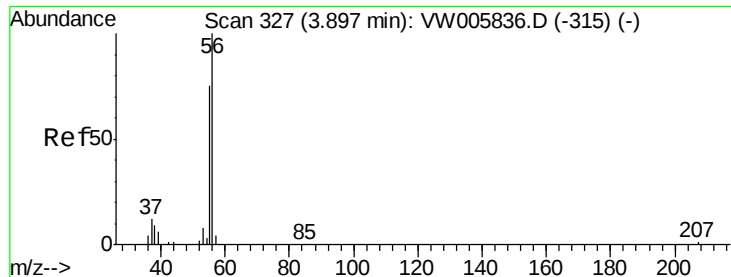
apatel
10/5/2018 3:12:47 PM



#12
1,1-Dichloroethene
Concen: 51.499 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion: 96 Resp: 97112
Ion Ratio Lower Upper
96 100
61 164.8 138.8 208.2
98 60.7 50.6 75.8





#13

Acrolein

Concen: 287.909 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 42607

Ion Ratio Lower Upper

56 100

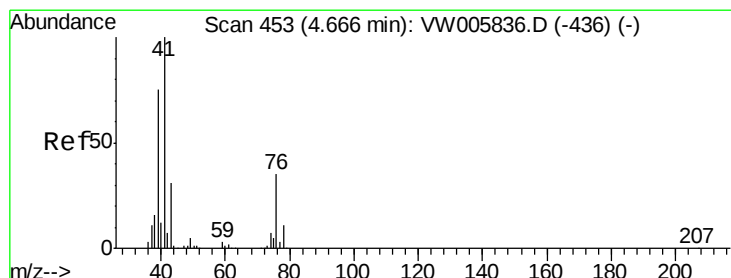
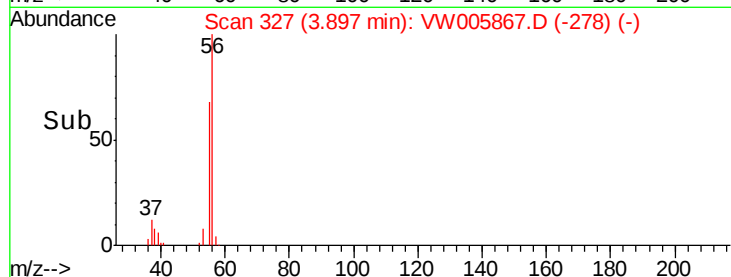
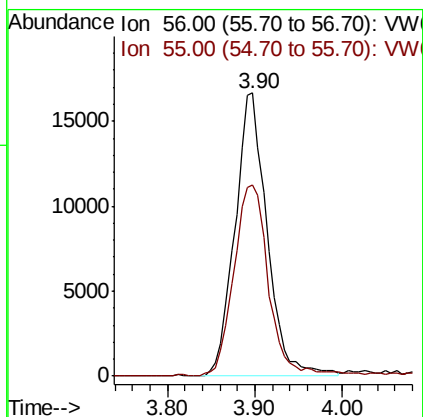
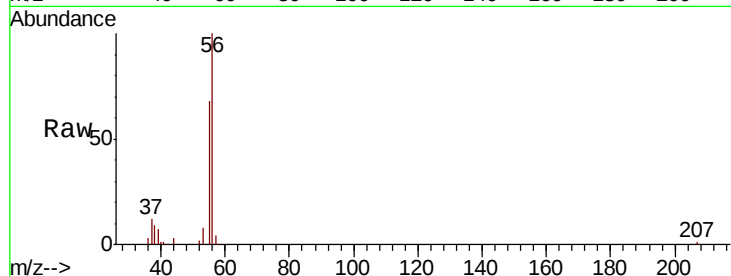
55 73.4 59.2 88.8

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



#14

Allyl chloride

Concen: 52.313 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

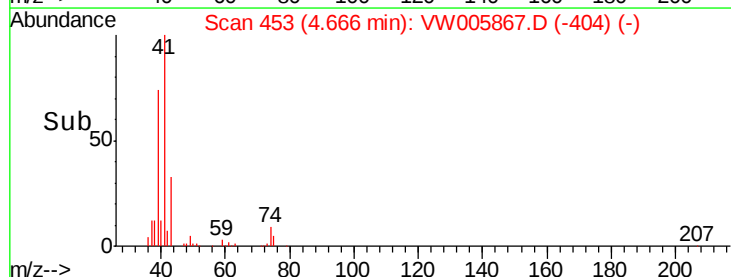
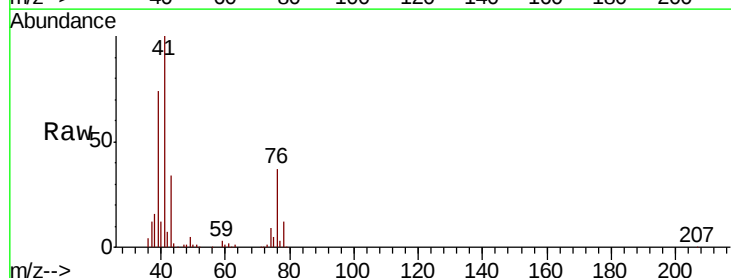
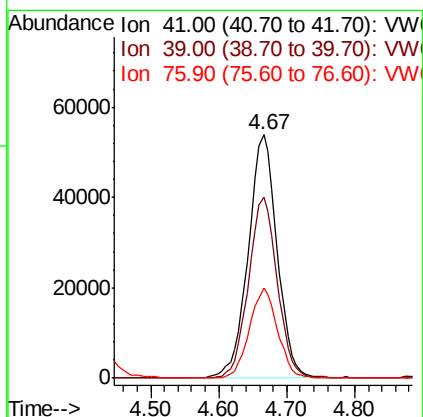
Tgt Ion: 41 Resp: 160095

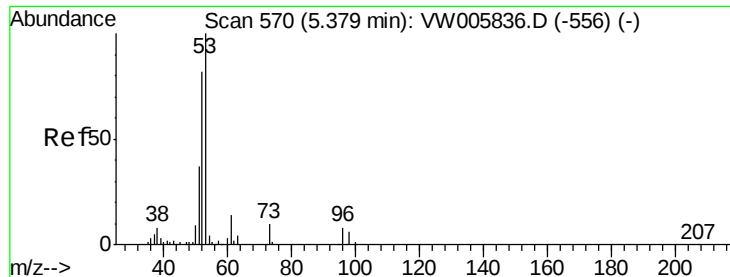
Ion Ratio Lower Upper

41 100

39 74.0 60.3 90.5

76 35.9 28.9 43.3





#15

Acrylonitrile

Concen: 270.382 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

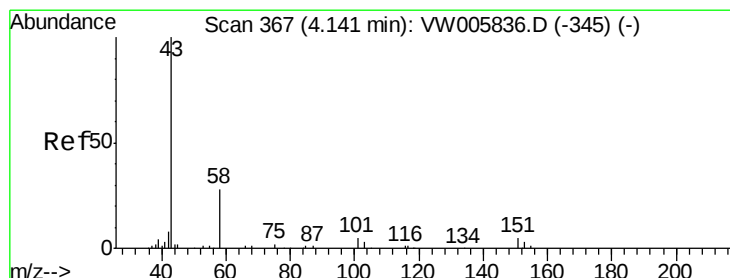
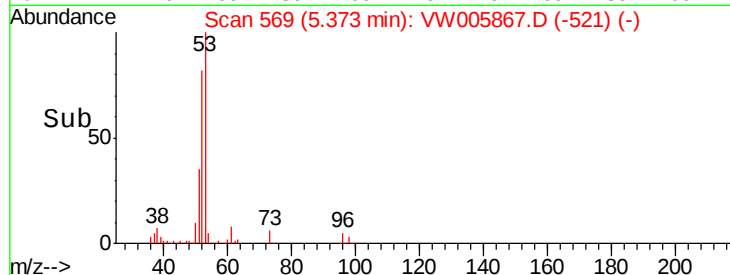
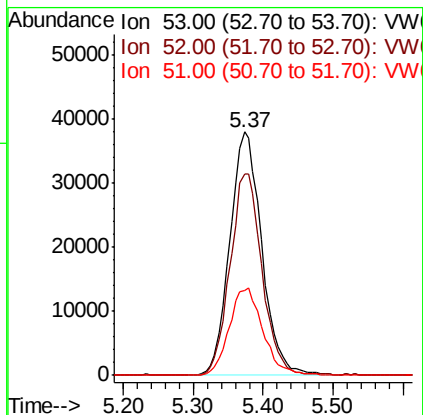
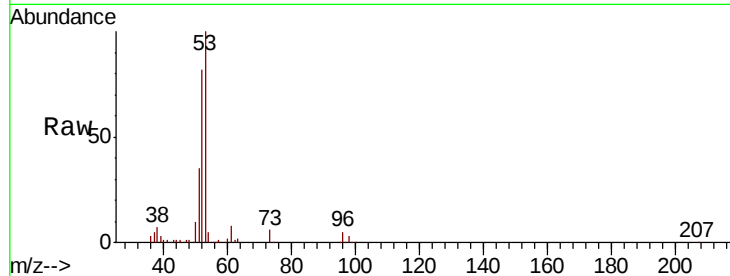
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	120899
Ion Ratio	Lower	Upper	
53	100		
52	82.6	67.3	100.9
51	38.0	30.2	45.2

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM



#16

Acetone

Concen: 294.743 ug/l

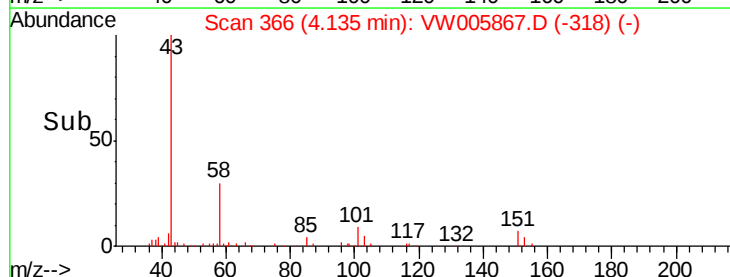
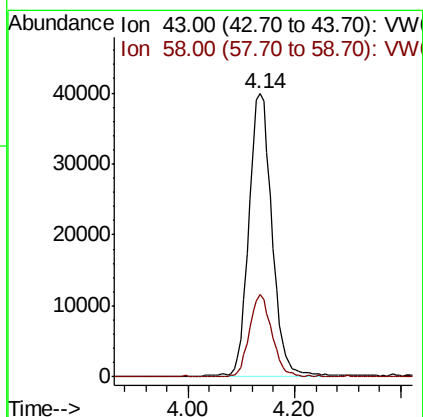
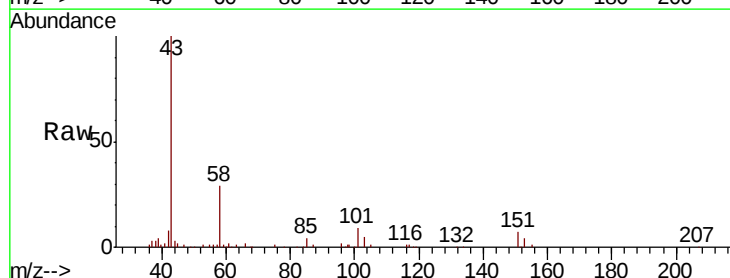
RT: 4.14 min Scan# 366

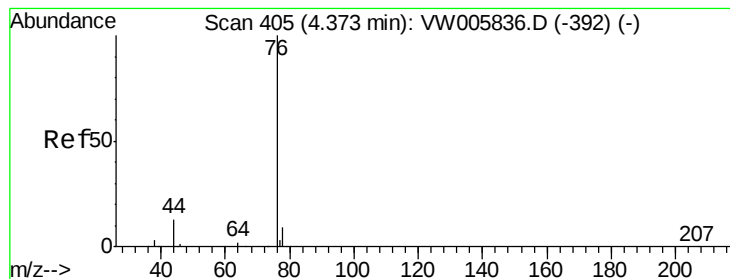
Delta R.T. -0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Tgt Ion:	43	Resp:	119816
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.0	34.4





#17

Carbon Disulfide

Concen: 52.284 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 311737

Ion Ratio Lower Upper

76 100

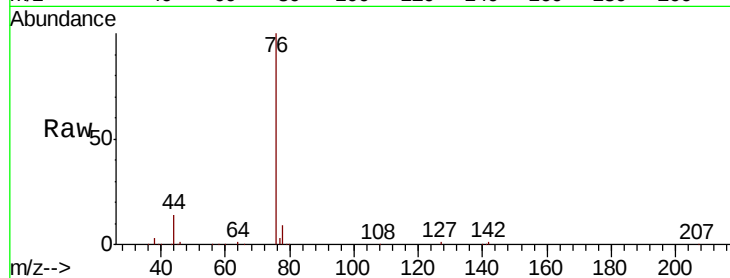
78 9.0 7.0 10.6

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

100000

80000

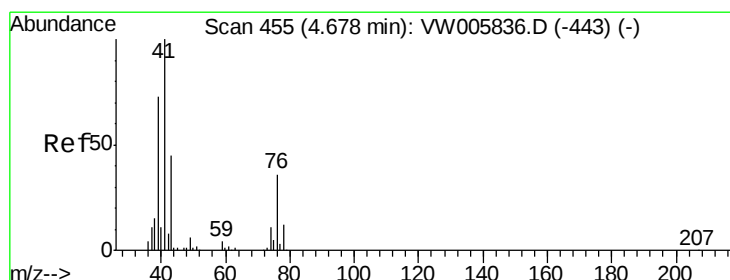
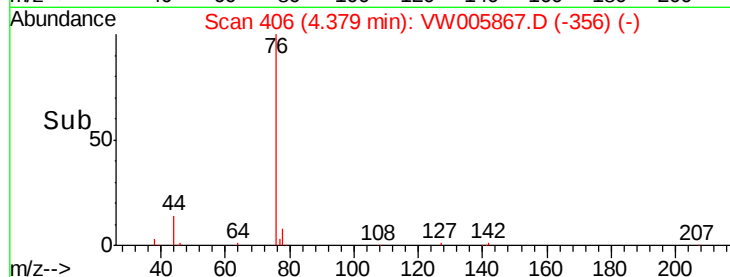
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 53.540 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW005867.D

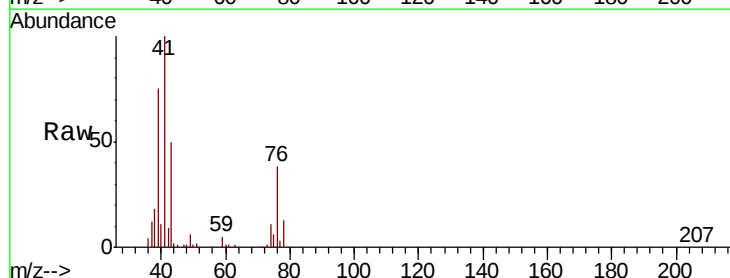
Acq: 04 Oct 2018 23:13

Tgt Ion: 43 Resp: 61898

Ion Ratio Lower Upper

43 100

74 23.7 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

20000

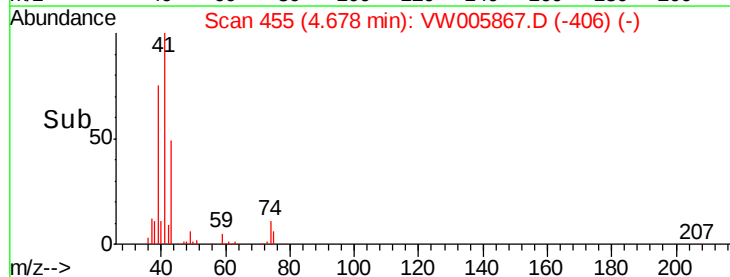
15000

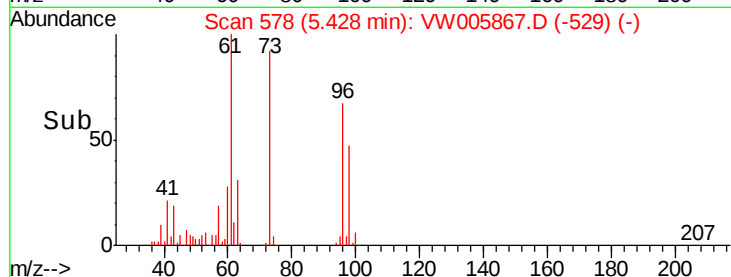
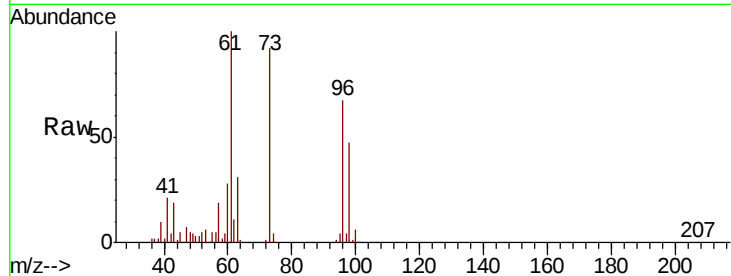
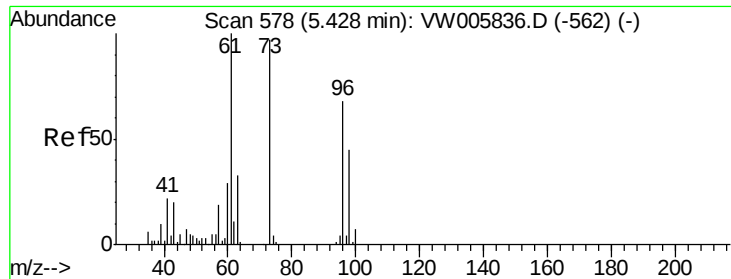
10000

5000

0

Time-->





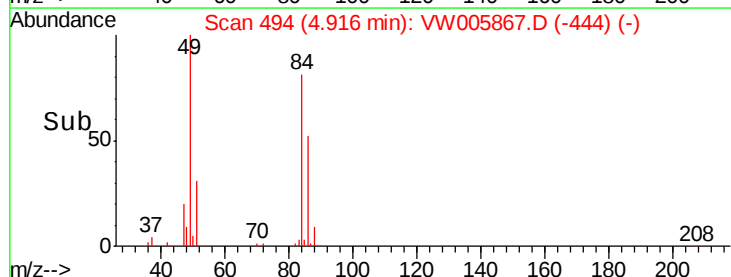
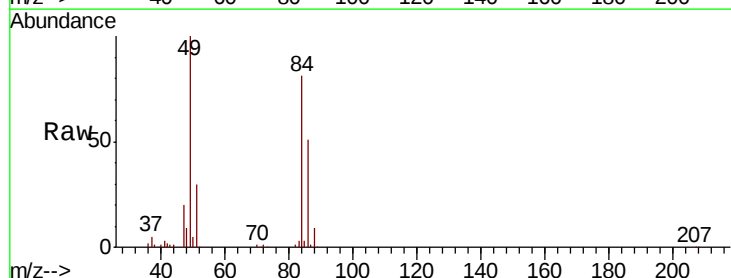
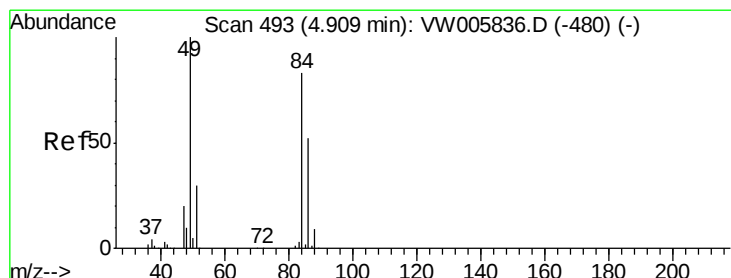
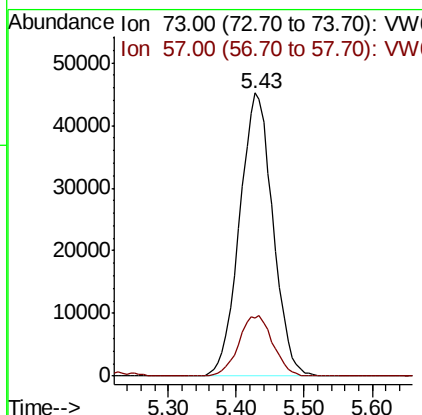
#19
Methvl tert-butvl Ether
Concen: 51.889 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tot Ion	73	Resp	153609
Ion Ratio	Lower	Upper	
73	100		
57	20.6	15.9	23.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

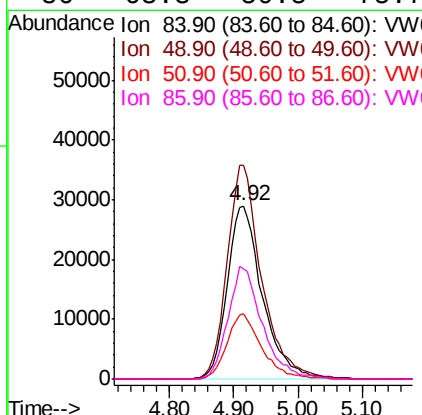
Manual Integrations
APPROVED

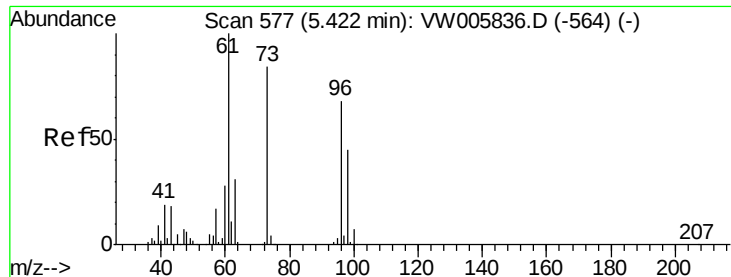
apatel
10/5/2018 3:12:47 PM



#20
Methylene Chloride
Concen: 49.274 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	84	Resp	110192
Ion Ratio	Lower	Upper	
84	100		
49	123.0	96.8	145.2
51	37.5	28.8	43.2
86	63.3	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 52.849 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

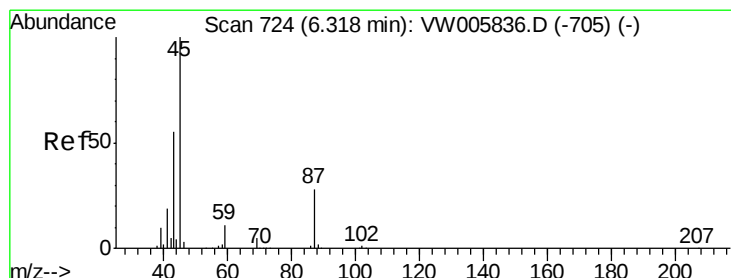
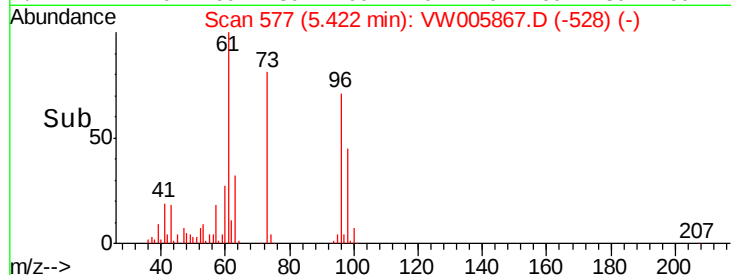
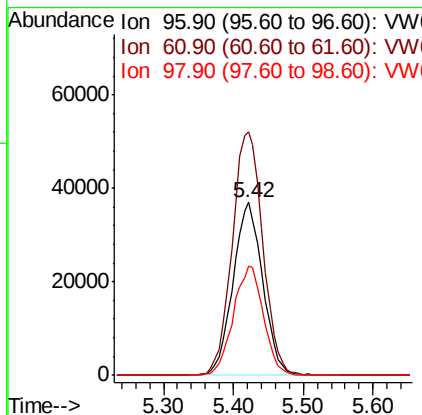
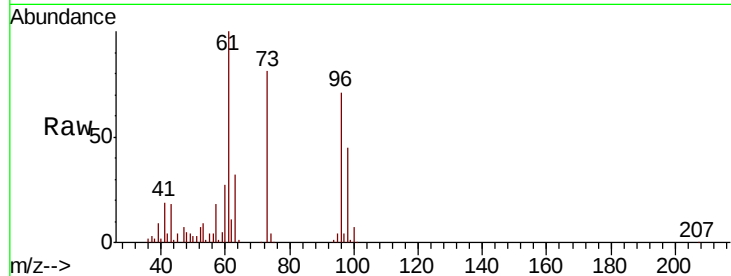
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	108776
Ion	Ratio	Lower	Upper
96	100		
61	141.0	117.0	175.6
98	63.5	52.2	78.2

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM



#22

Diisopropyl ether

Concen: 49.817 ug/l

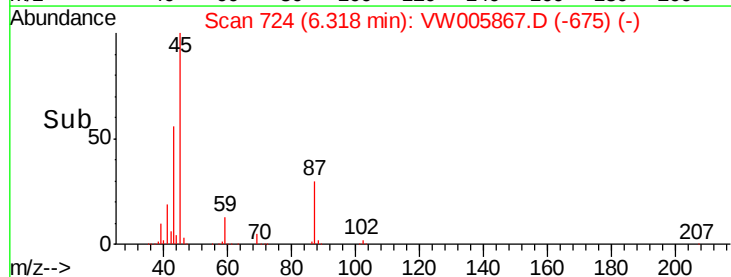
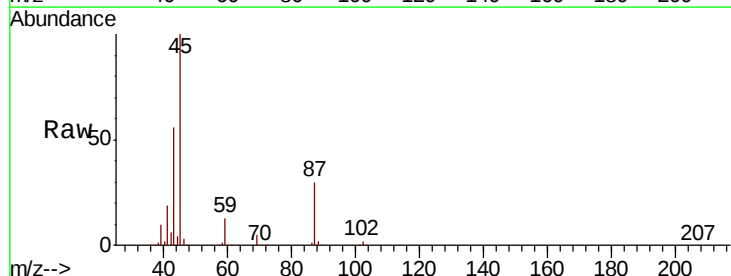
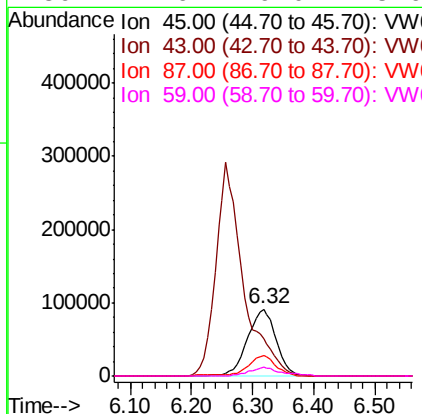
RT: 6.32 min Scan# 724

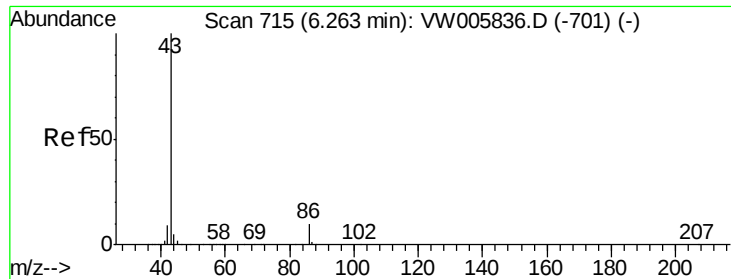
Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Tgt Ion:	45	Resp:	299201
Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.6	67.0
87	29.6	23.4	35.2
59	12.6	9.0	13.6





#23

Vinyl Acetate

Concen: 267.986 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 914305

Ion Ratio Lower Upper

43 100

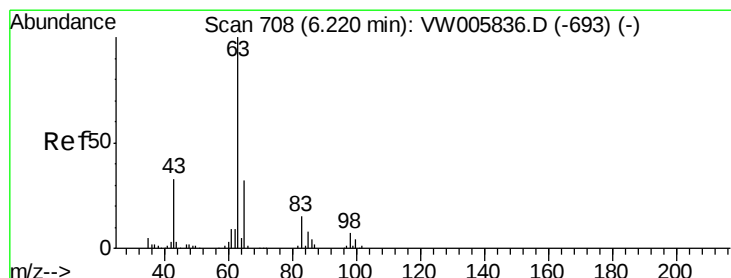
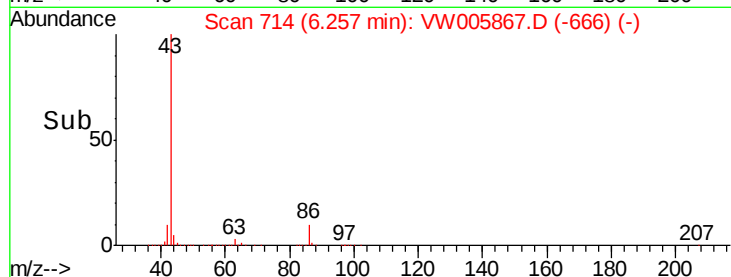
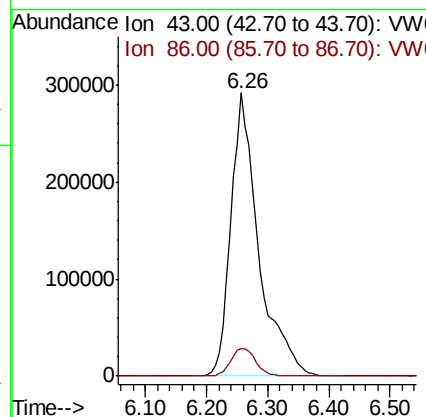
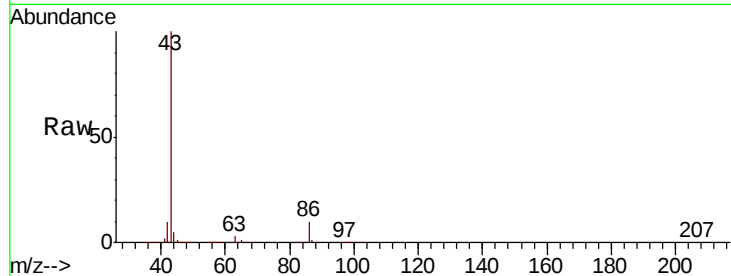
86 9.8 8.1 12.1

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



#24

1,1-Dichloroethane

Concen: 48.713 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

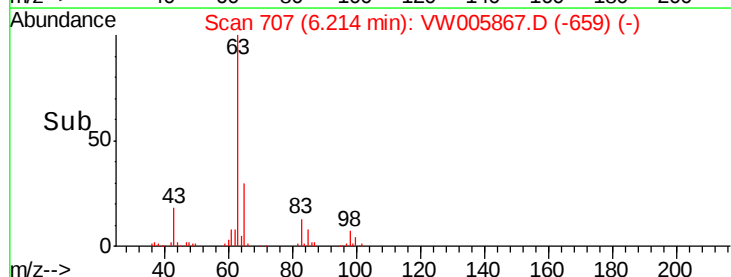
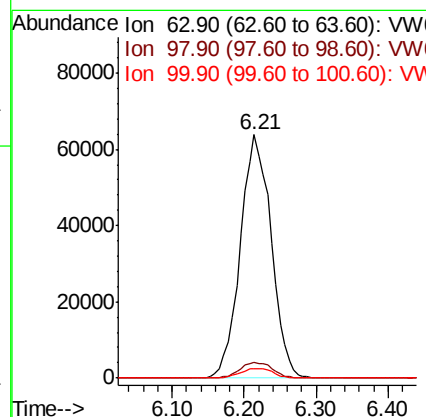
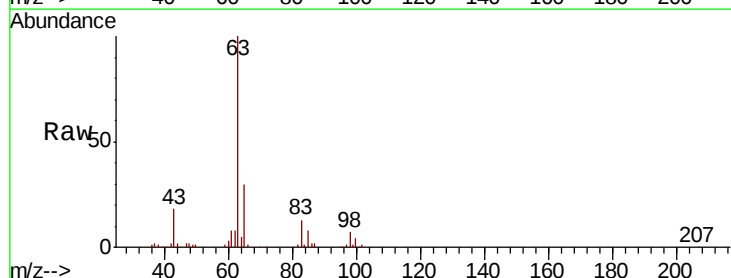
Tgt Ion: 63 Resp: 189841

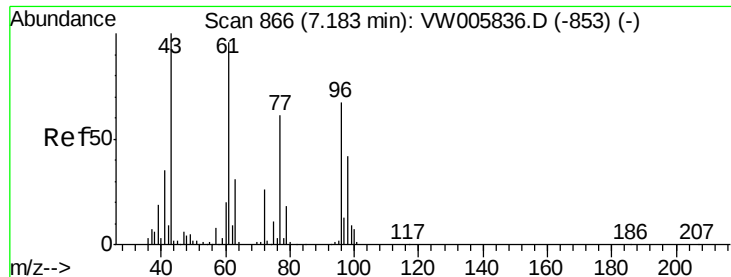
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 277.208 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 158517

Ion Ratio Lower Upper

43 100

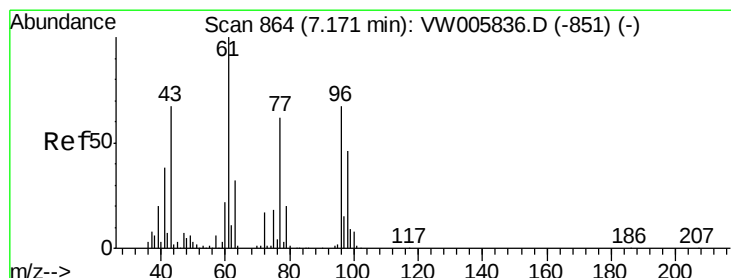
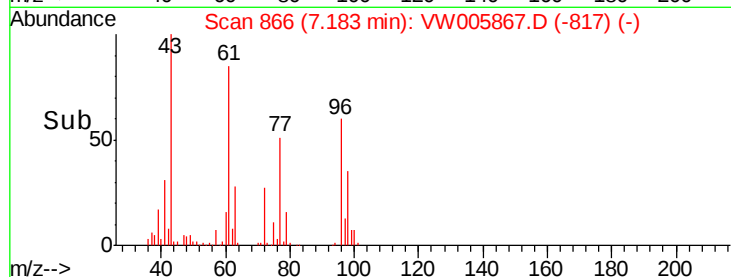
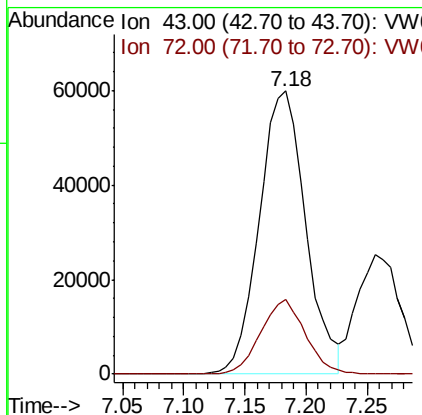
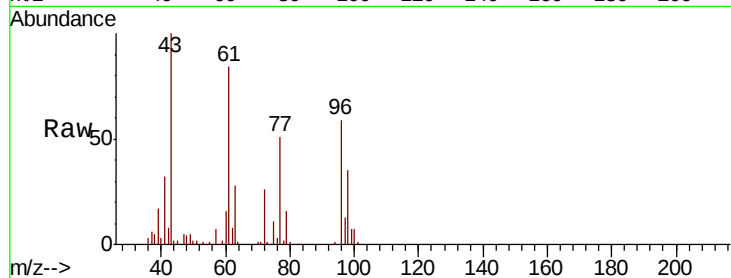
72 26.5 20.9 31.3

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



#26

2,2-Dichloropropane

Concen: 48.634 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW005867.D

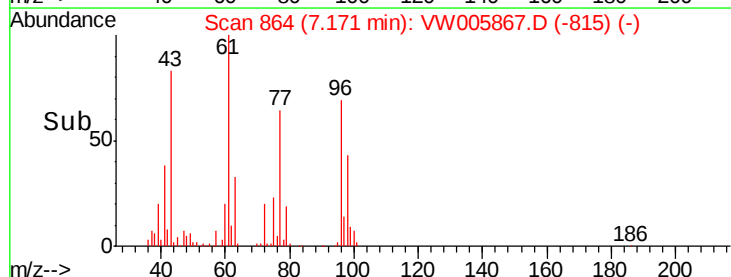
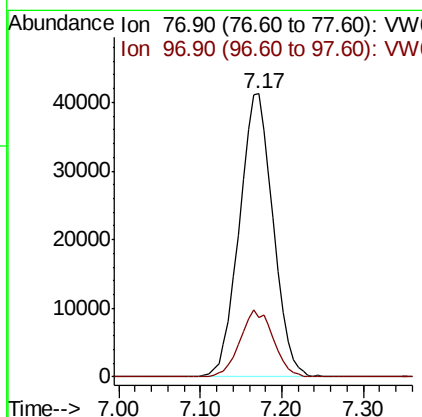
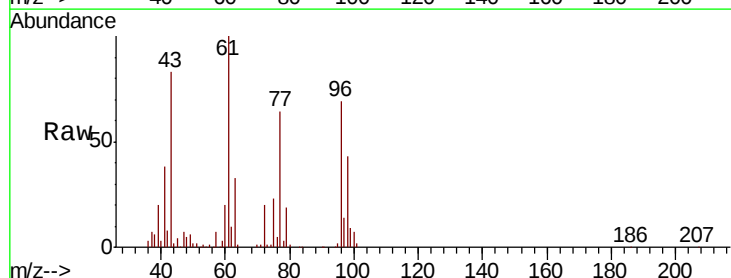
Acq: 04 Oct 2018 23:13

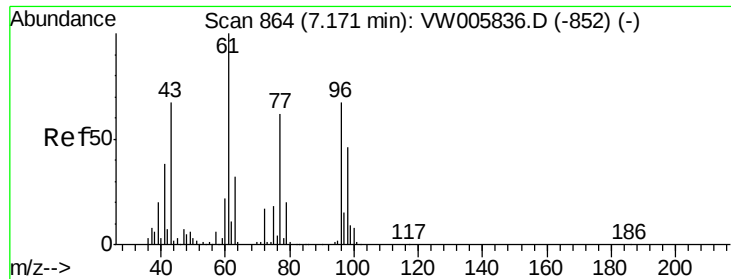
Tgt Ion: 77 Resp: 118343

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0





#27

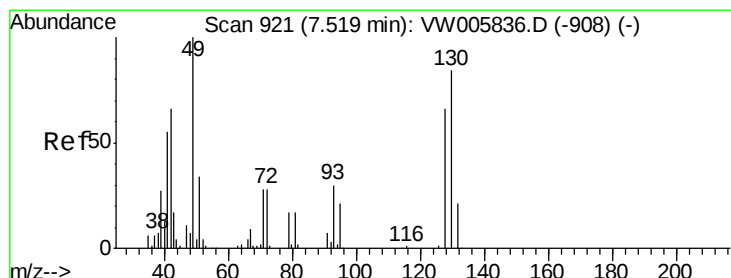
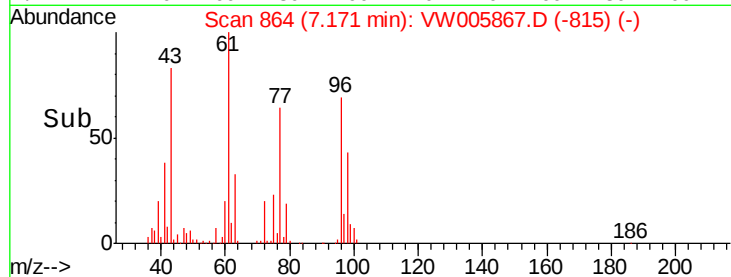
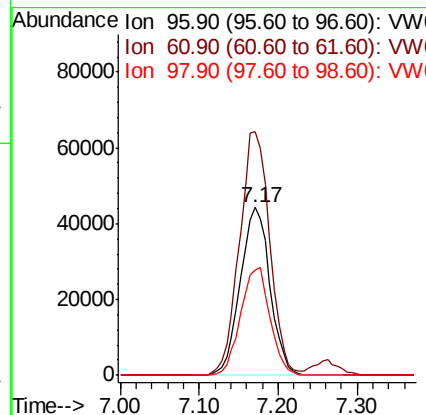
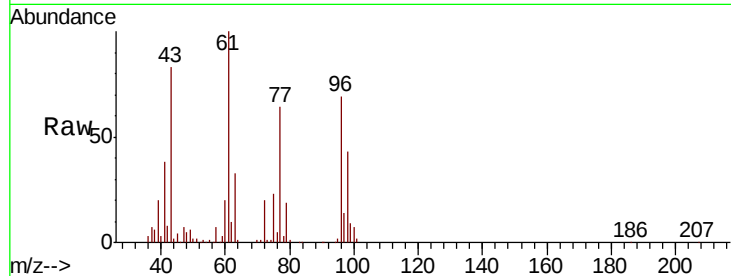
cis-1,2-Dichloroethene
 Concen: 50.536 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.3	0.0	296.4	
98	63.8	0.0	131.4	

Manual Integrations
 APPROVED

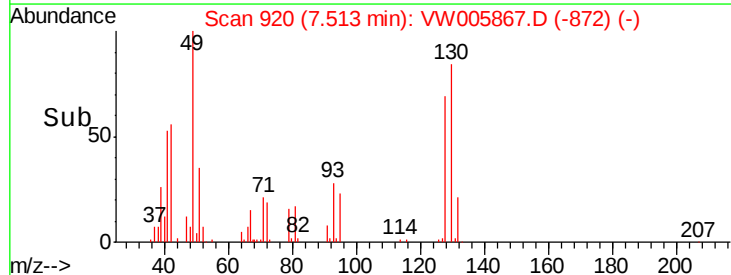
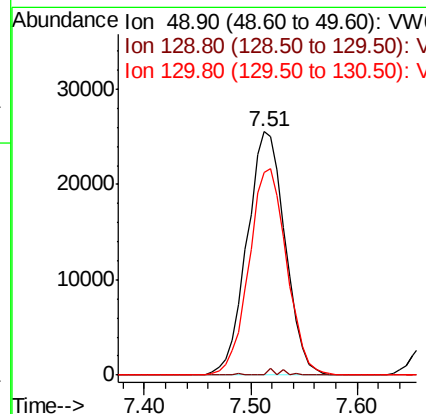
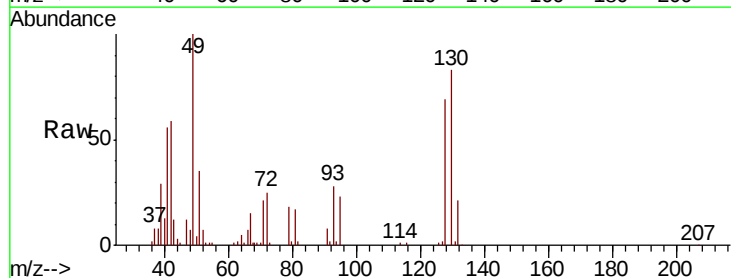
apatel
 10/5/2018 3:12:47 PM

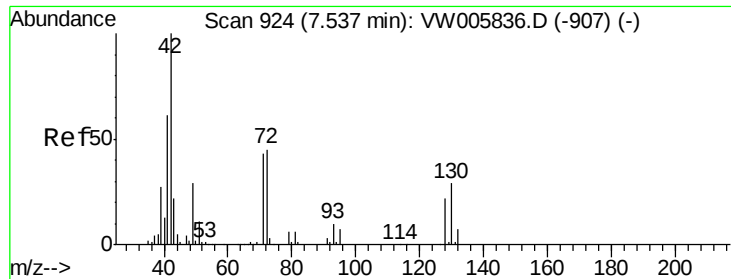


#28

Bromochloromethane
 Concen: 46.646 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	2.2	
130	83.9	66.4	99.6	





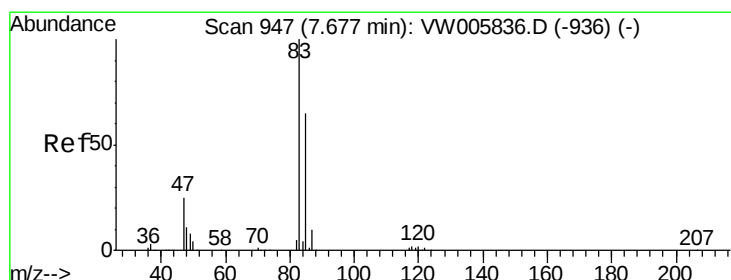
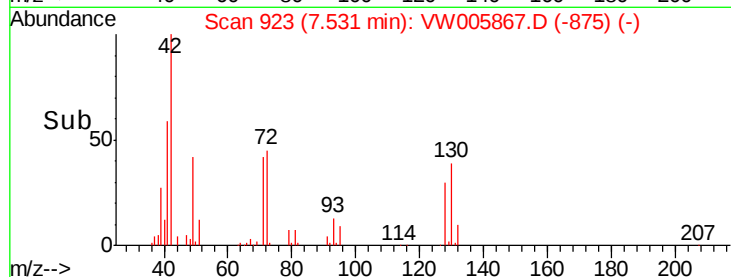
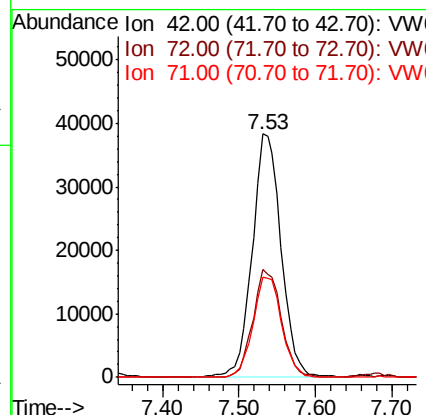
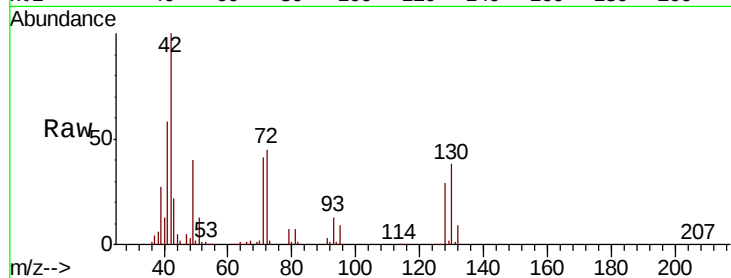
#29
Tetrahydrofuran
Concen: 285.805 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	51.8
71	41.1	33.6	50.4

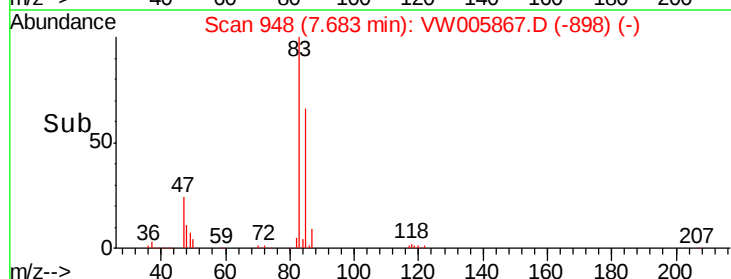
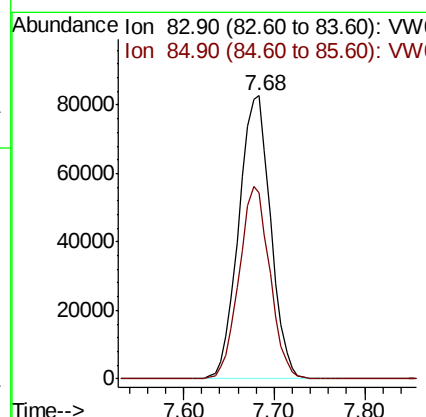
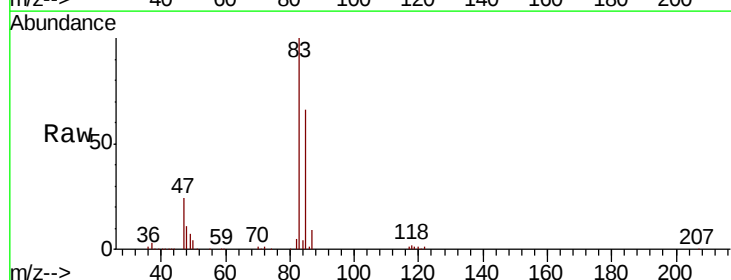
Manual Integrations
APPROVED

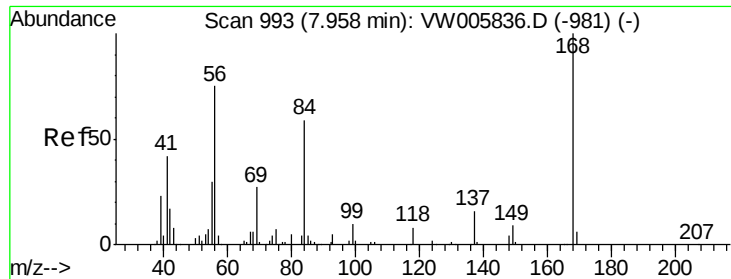
apatel
10/5/2018 3:12:47 PM



#30
Chloroform
Concen: 48.332 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.6	77.4





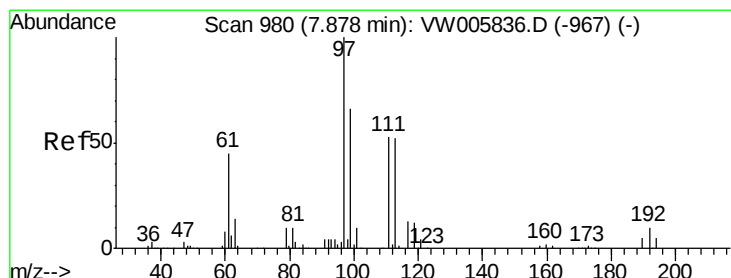
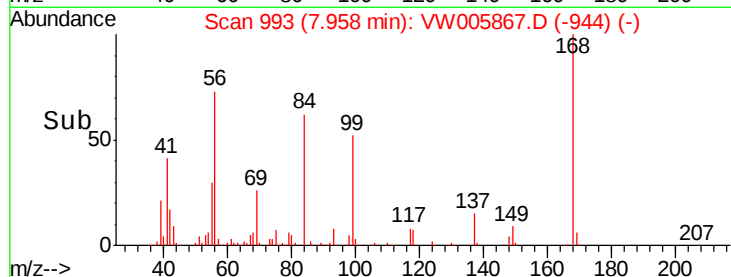
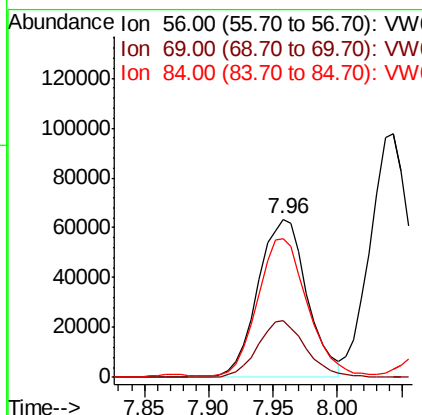
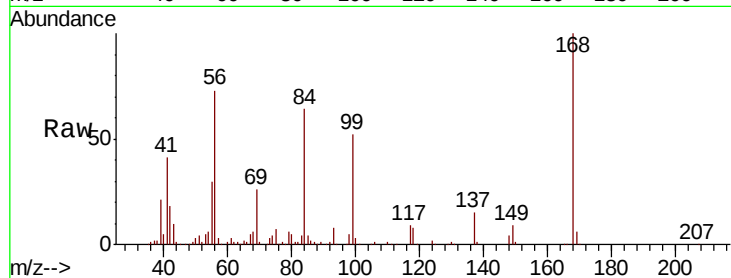
#31
Cyclohexane
Concen: 50.259 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	29.0	43.4
84	86.3	63.5	95.3

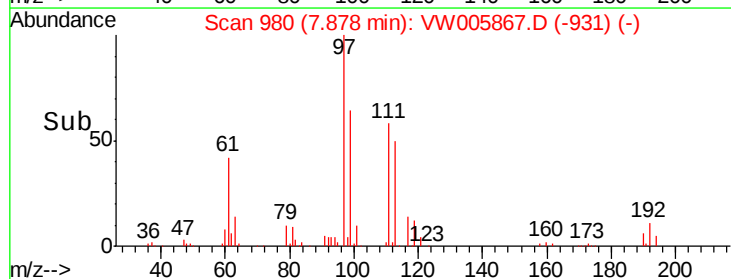
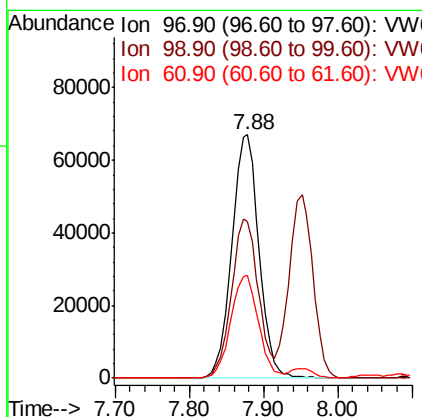
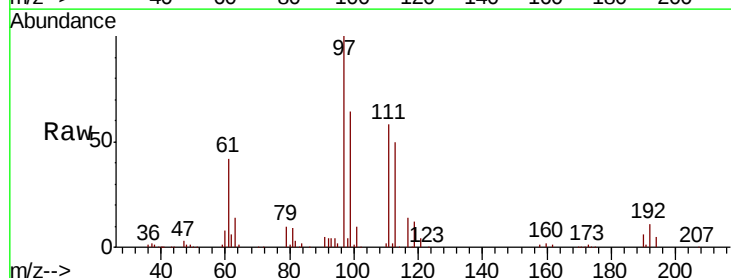
Manual Integrations
APPROVED

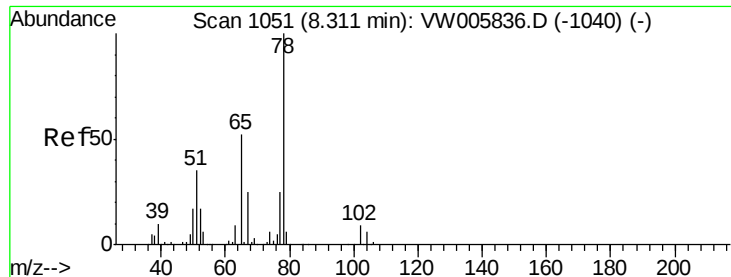
apatel
10/5/2018 3:12:47 PM



#32
1,1,1-Trichloroethane
Concen: 47.903 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	43.2	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 47.719 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 116236

Ion Ratio Lower Upper

65 100

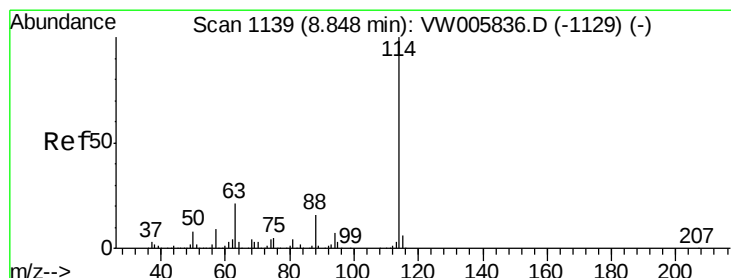
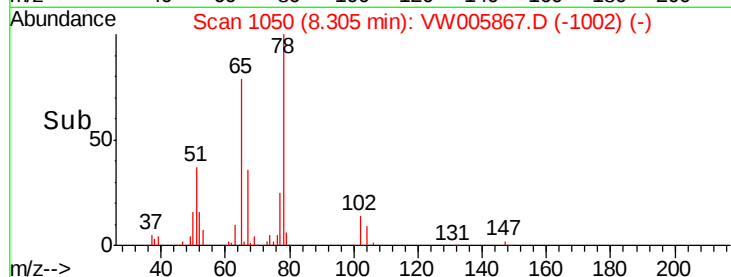
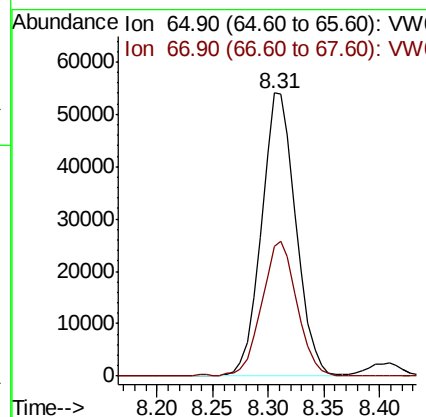
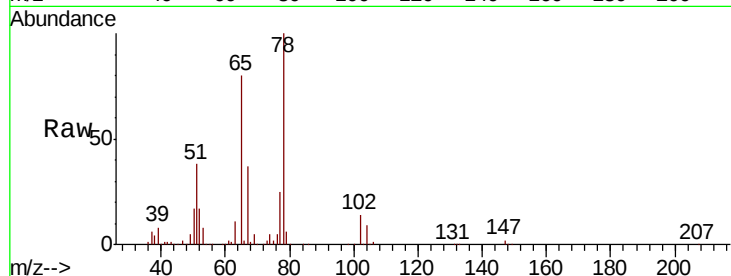
67 48.8 0.0 98.0

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

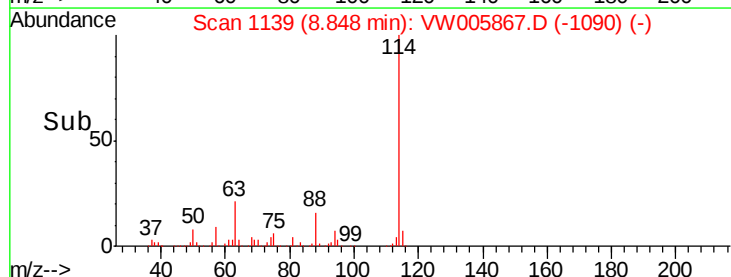
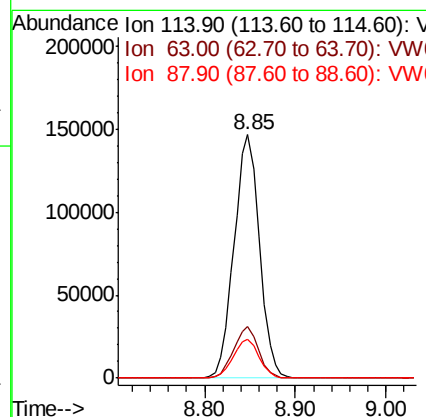
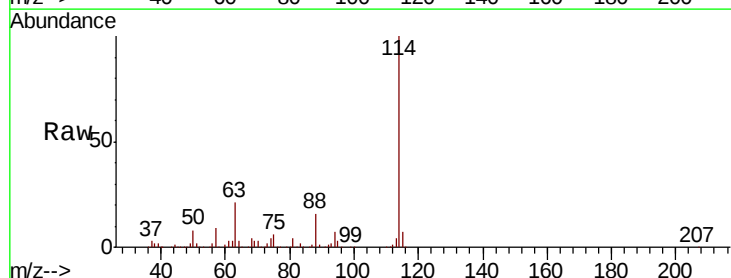
Tgt Ion: 114 Resp: 284562

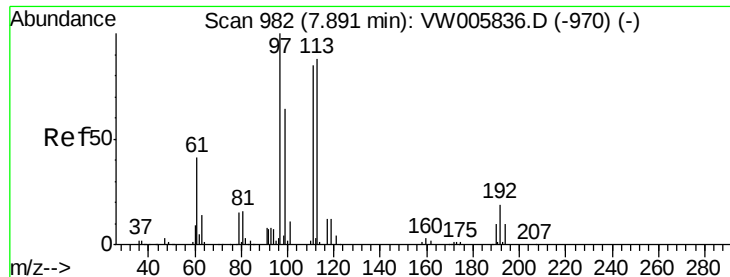
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.0

88 15.9 0.0 31.2





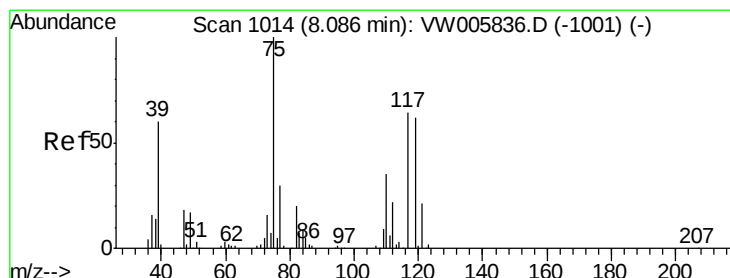
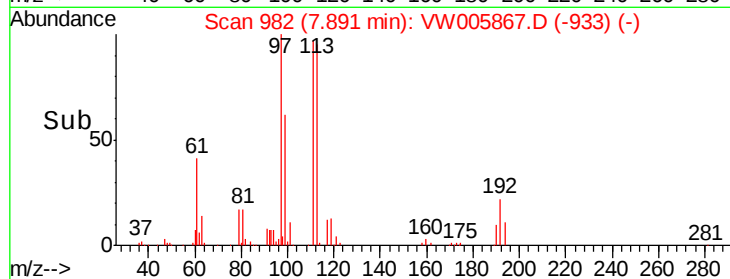
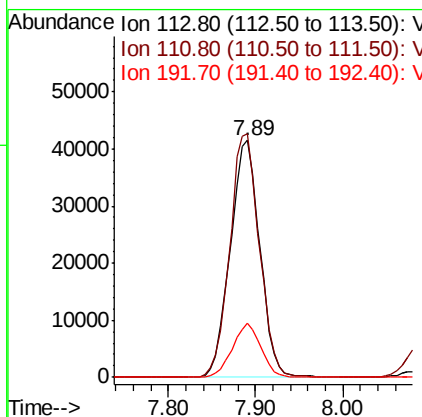
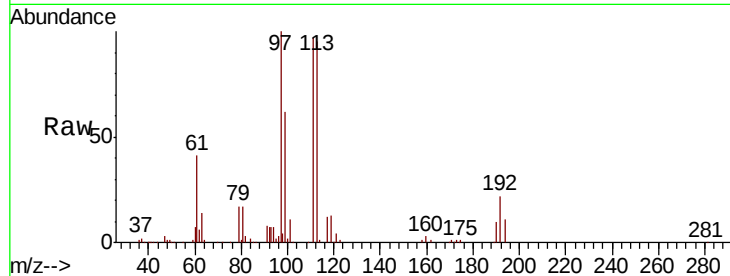
#35
 Dibromofluoromethane
 Concen: 52.318 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.2
192	21.9	17.3	25.9

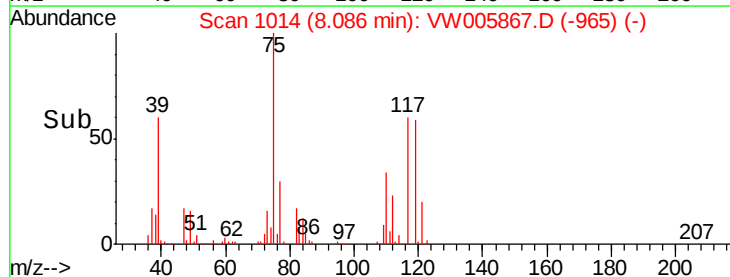
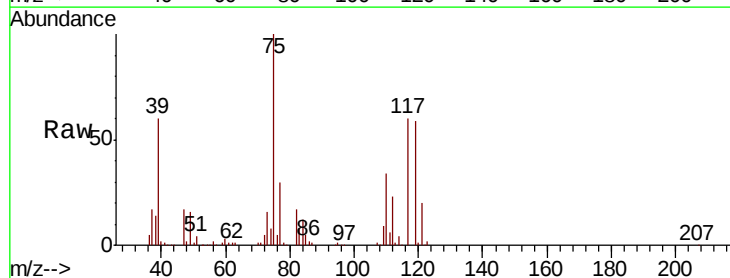
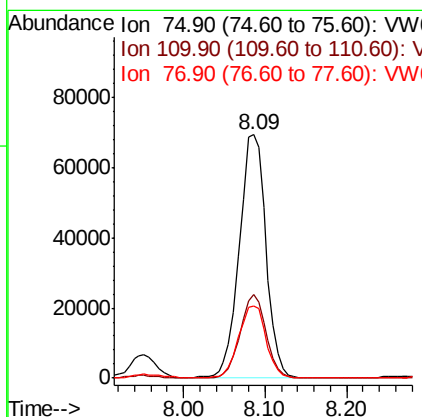
Manual Integrations
 APPROVED

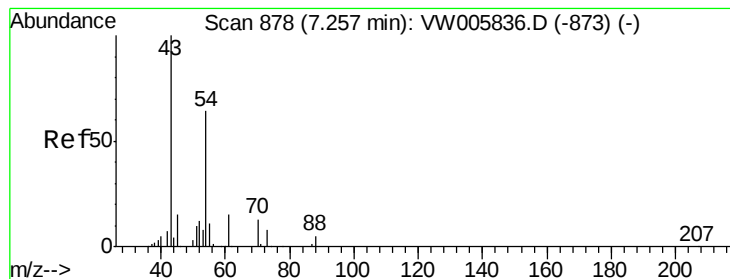
apatel
 10/5/2018 3:12:47 PM



#36
 1,1-Dichloropropene
 Concen: 55.612 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	17.5	52.6
77	30.5	24.8	37.2





#37

Ethyl Acetate

Concen: 55.067 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

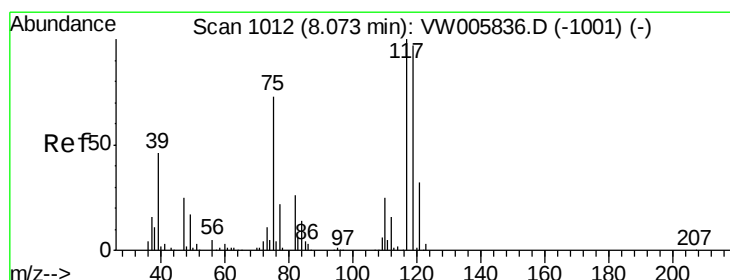
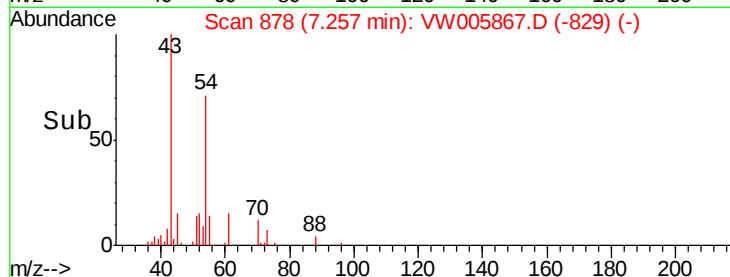
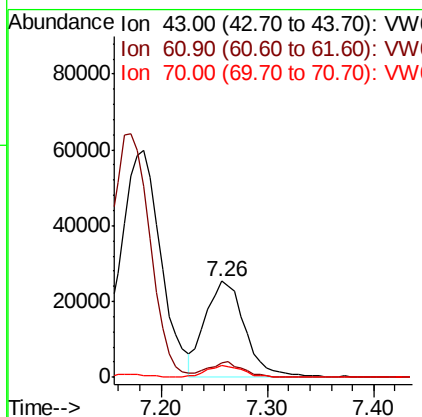
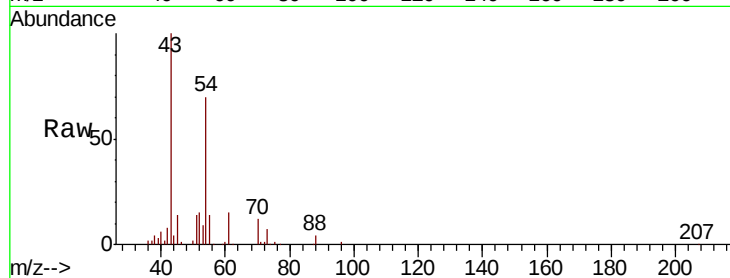
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	64826
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	11.5	8.6	13.0

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM



#38

Carbon Tetrachloride

Concen: 52.757 ug/l

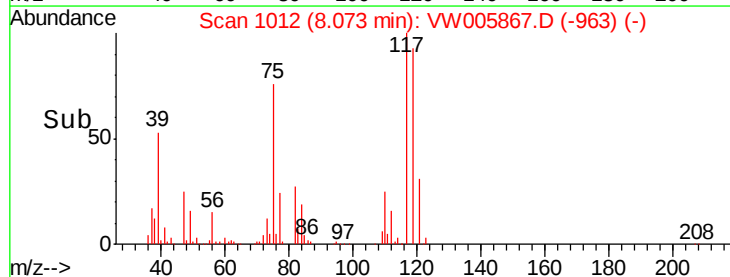
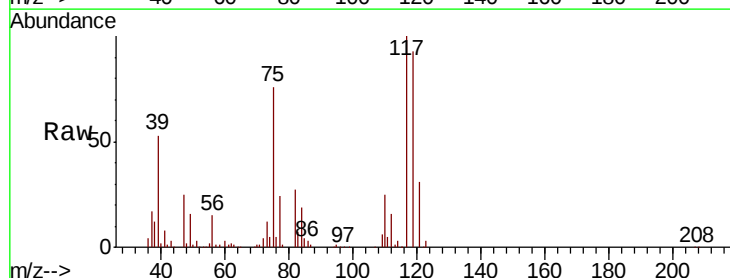
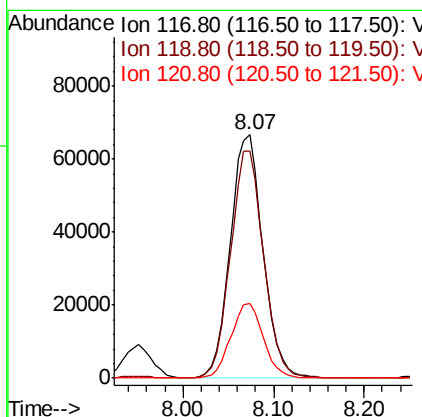
RT: 8.07 min Scan# 1012

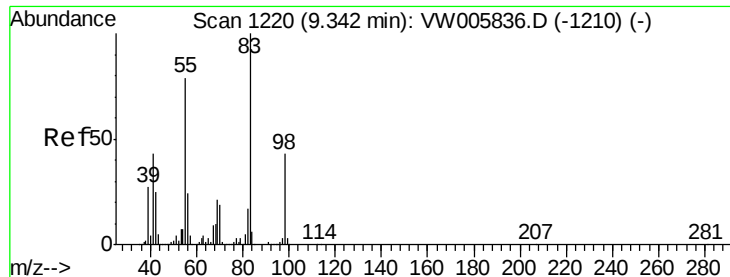
Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Tgt Ion:	117	Resp:	166277
Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.9	116.9
121	30.8	25.2	37.8





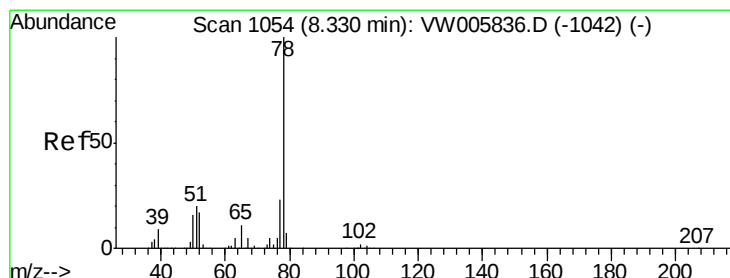
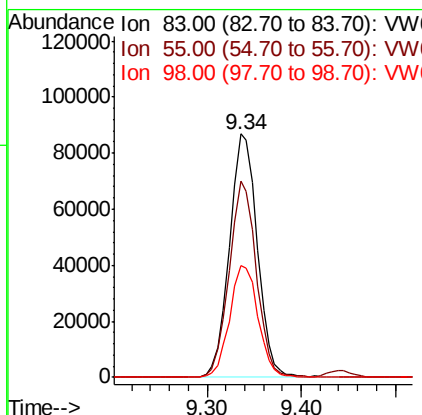
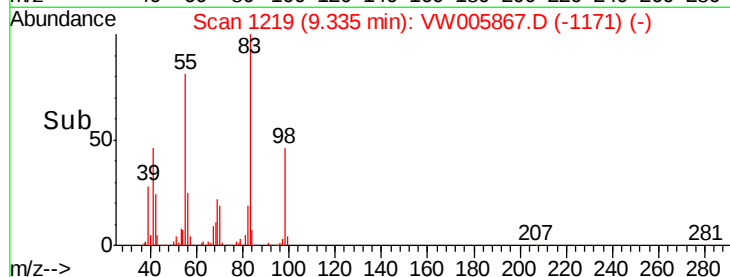
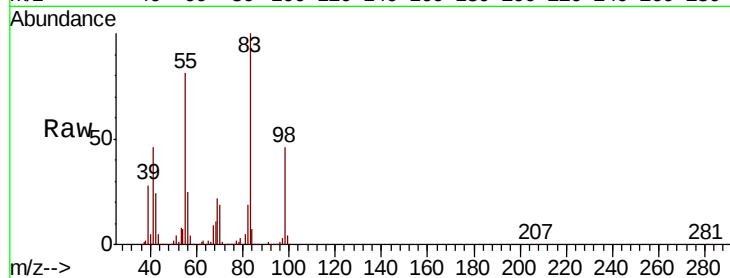
#39
Methvlcvclohexane
Concen: 56.140 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	63.0	94.4
98	46.0	34.5	51.7

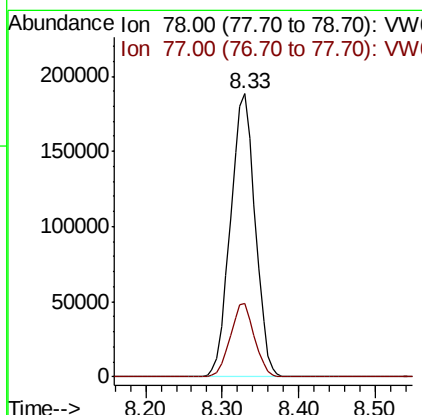
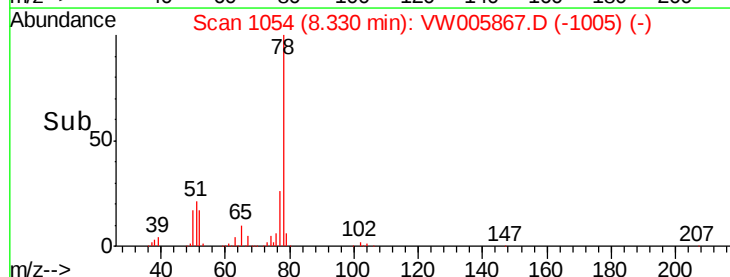
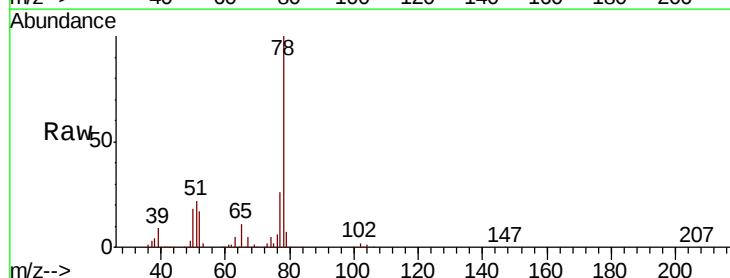
Manual Integrations
APPROVED

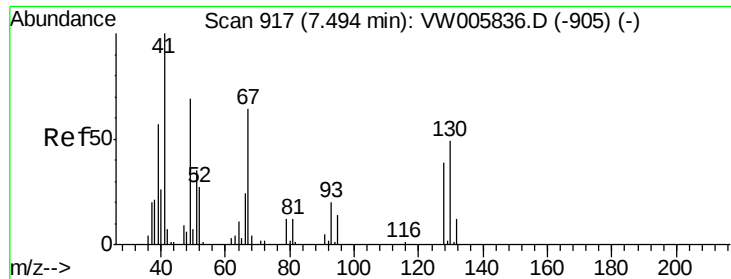
apatel
10/5/2018 3:12:47 PM



#40
Benzene
Concen: 51.214 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.6	28.0





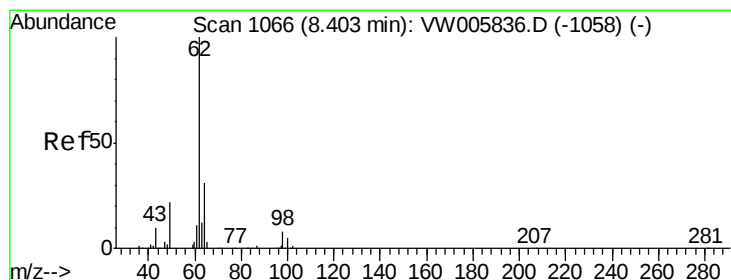
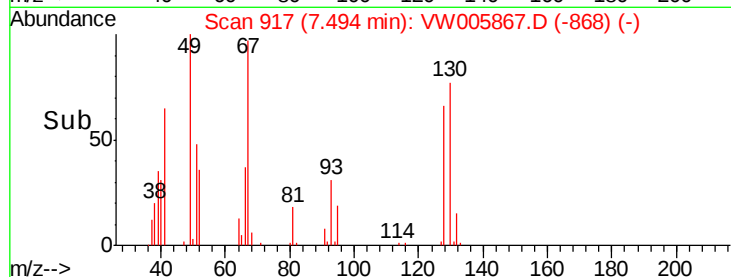
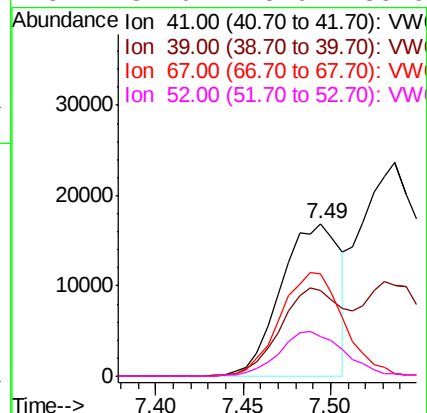
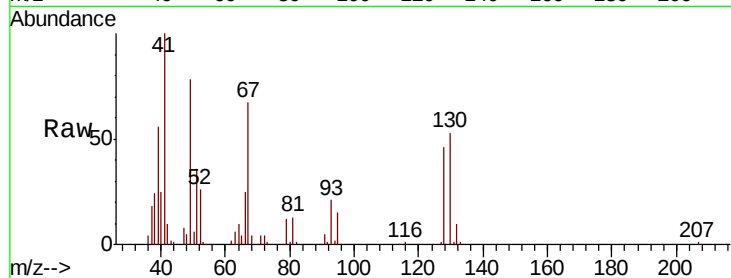
#41
Methacrylonitrile
Concen: 56.911 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	40035
Ion Ratio	Lower	Upper	
41	100		
39	63.8	45.6	68.4
67	73.0	53.6	80.4
52	32.9	23.9	35.9

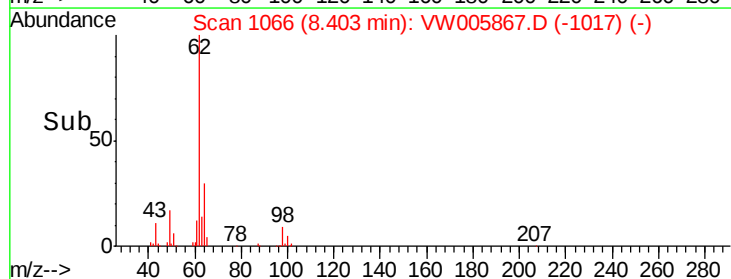
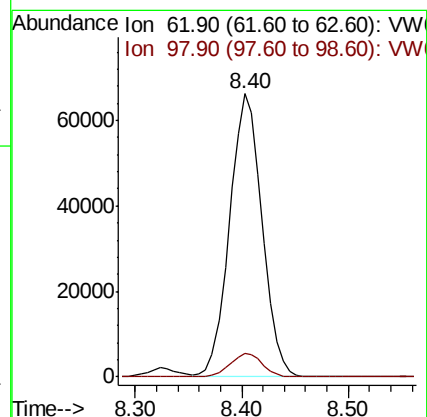
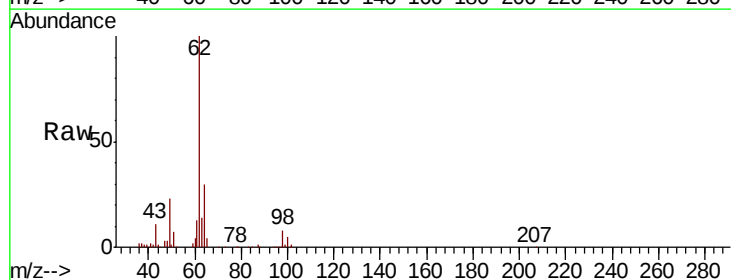
Manual Integrations
APPROVED

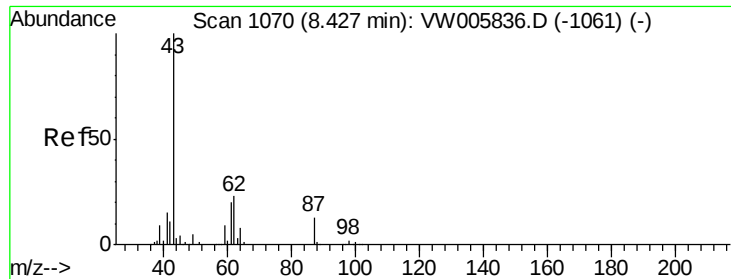
apatel
10/5/2018 3:12:47 PM



#42
1,2-Dichloroethane
Concen: 51.254 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	62	Resp	141321
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.2





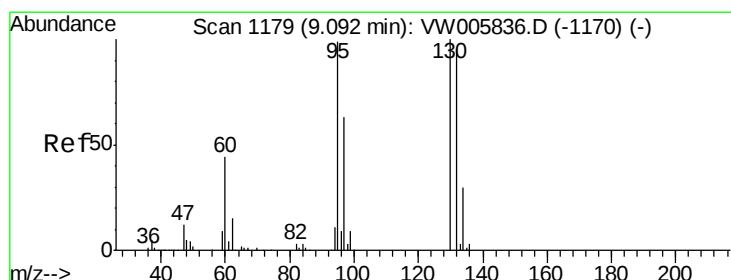
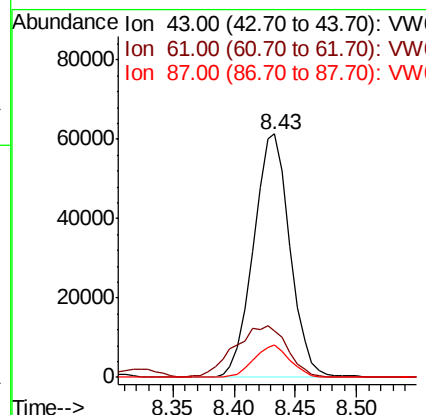
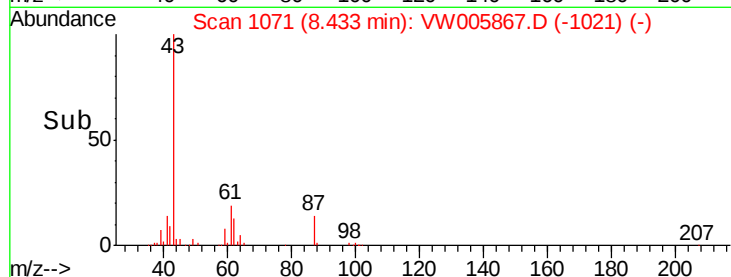
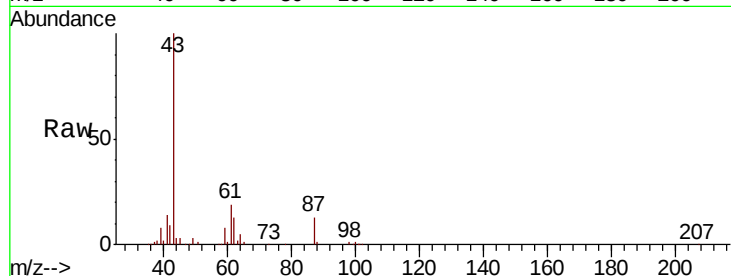
#43
Isopropyl Acetate
Concen: 54.777 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.1	36.1
87	13.2	10.6	16.0

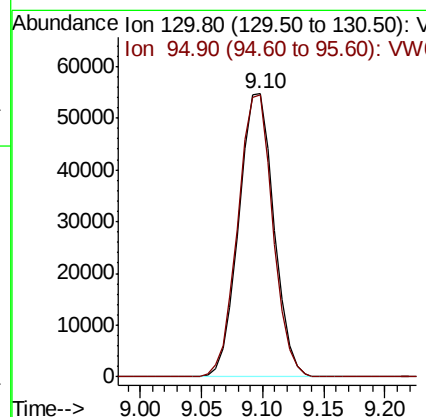
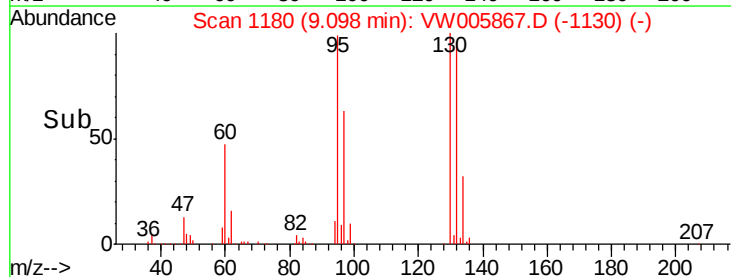
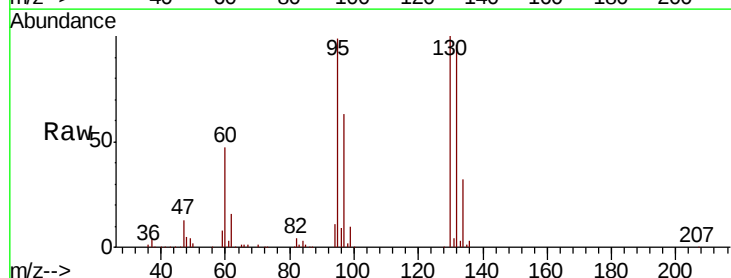
Manual Integrations
APPROVED

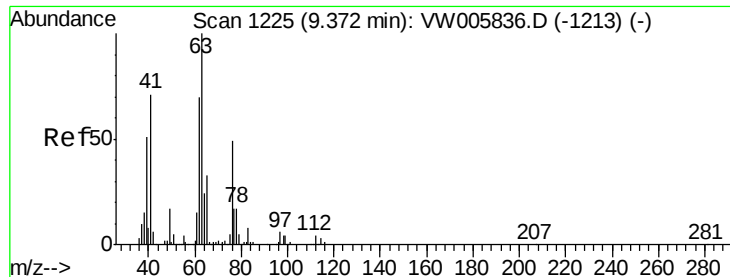
apatel
10/5/2018 3:12:47 PM



#44
Trichloroethene
Concen: 50.224 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	197.6





#45

1,2-Dichloropropane

Concen: 49.700 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 63 Resp: 96478

Ion Ratio Lower Upper

63 100

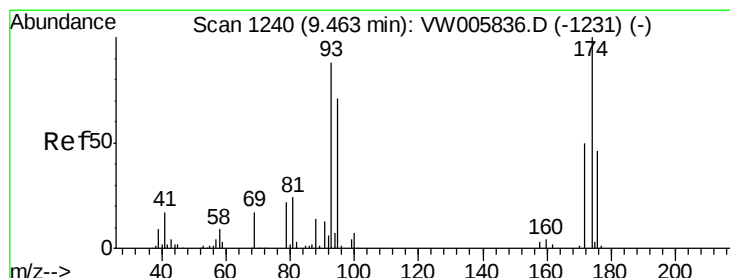
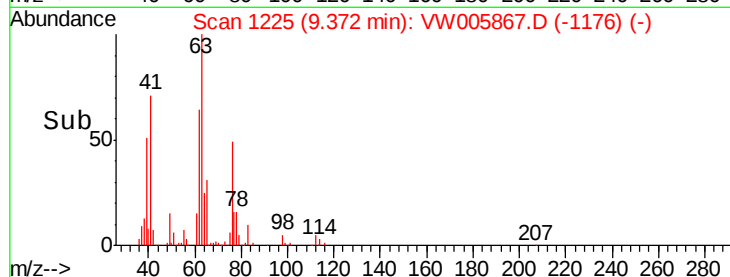
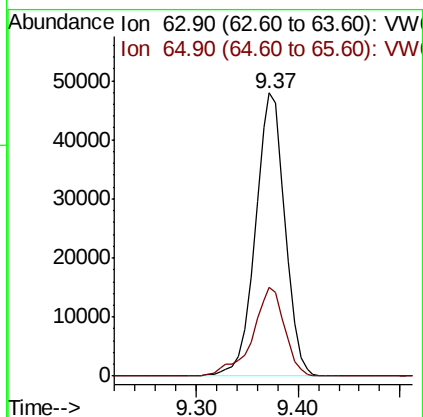
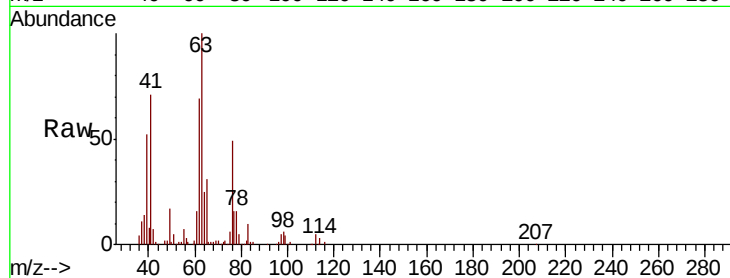
65 31.4 26.1 39.1

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



#46

Dibromomethane

Concen: 50.533 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

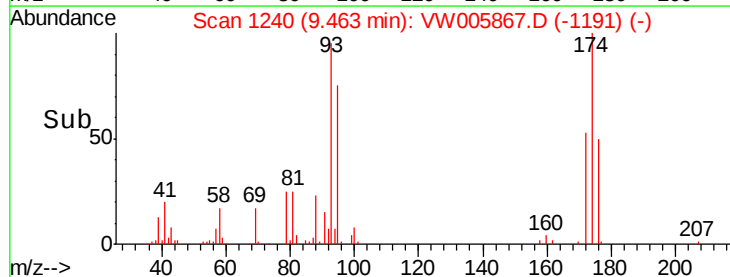
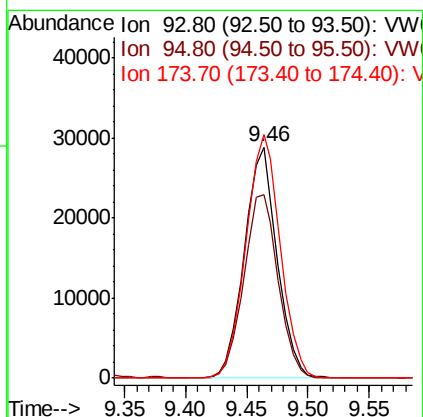
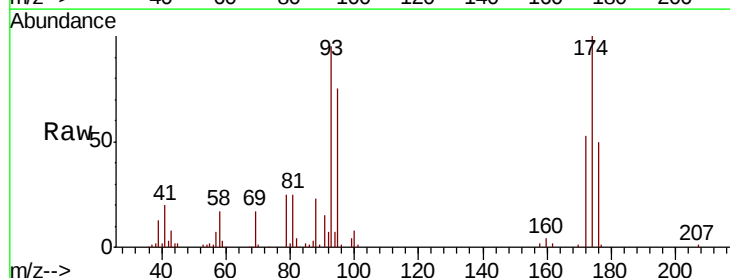
Tgt Ion: 93 Resp: 53650

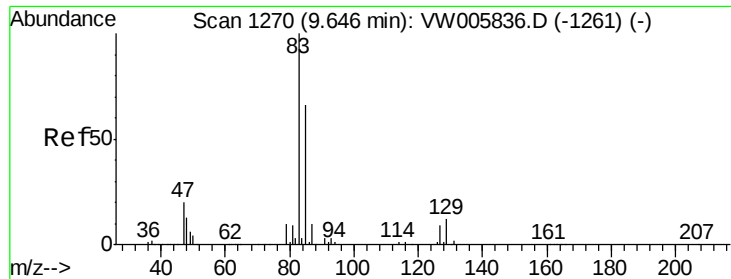
Ion Ratio Lower Upper

93 100

95 83.4 65.9 98.9

174 110.8 88.4 132.6





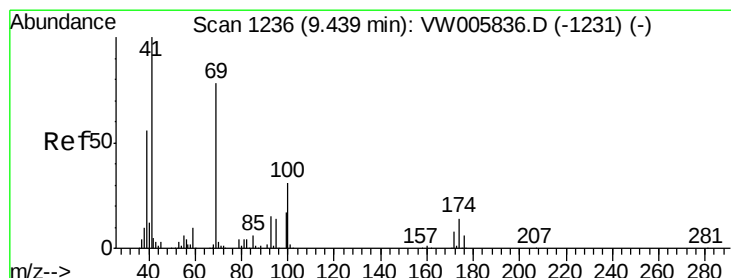
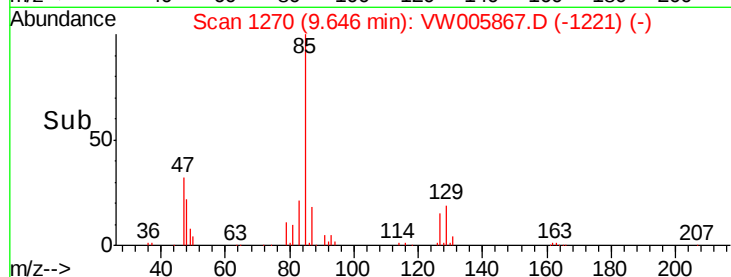
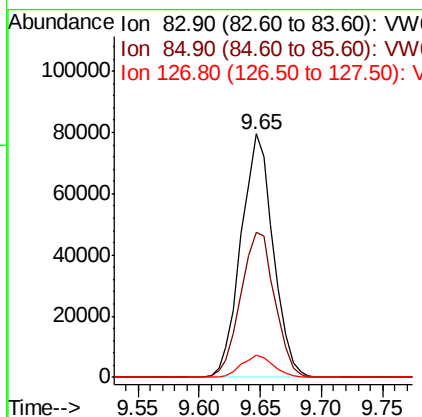
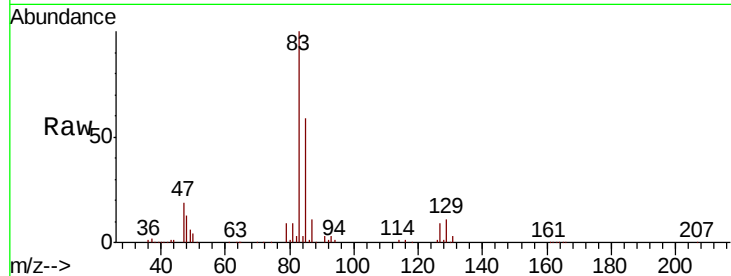
#47
Bromodichloromethane
Concen: 51.799 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	145546
Ion Ratio	100	Lower	Upper
83	100		
85	59.5	52.6	78.8
127	9.0	7.4	11.0

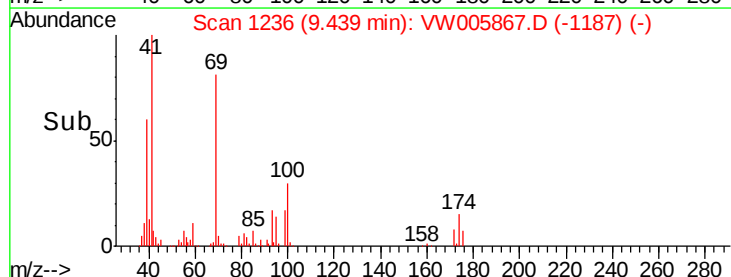
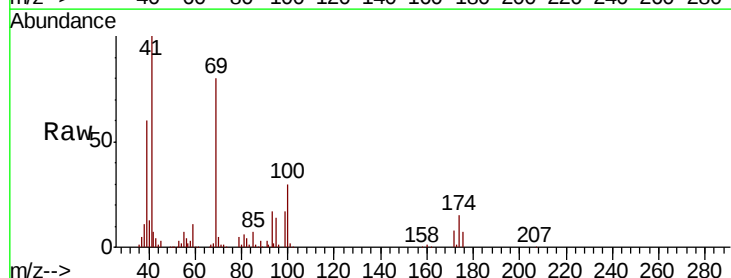
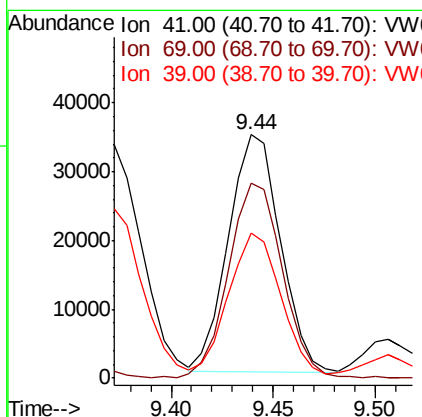
Manual Integrations
APPROVED

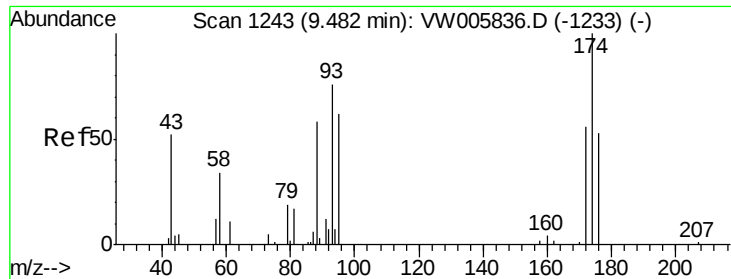
apatel
10/5/2018 3:12:47 PM



#48
Methyl methacrylate
Concen: 54.318 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	41	Resp	61192
Ion Ratio	100	Lower	Upper
41	100		
69	85.7	66.4	99.6
39	58.1	50.1	75.1





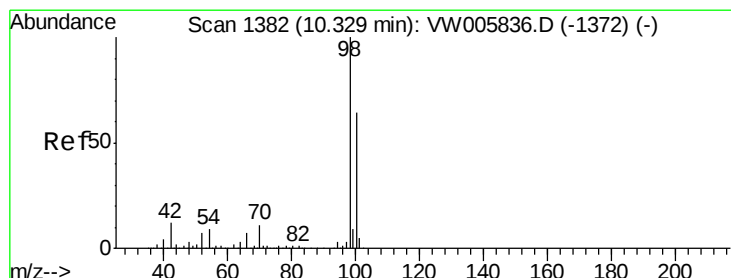
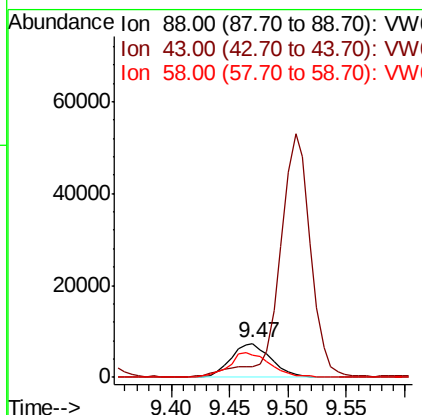
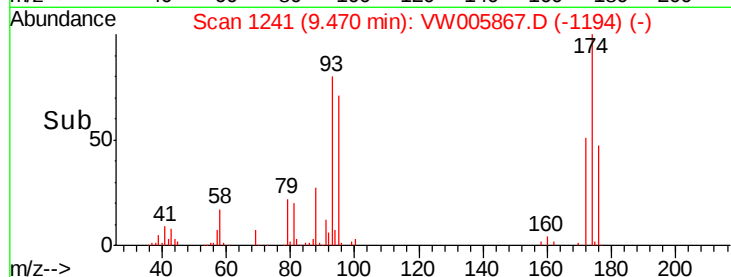
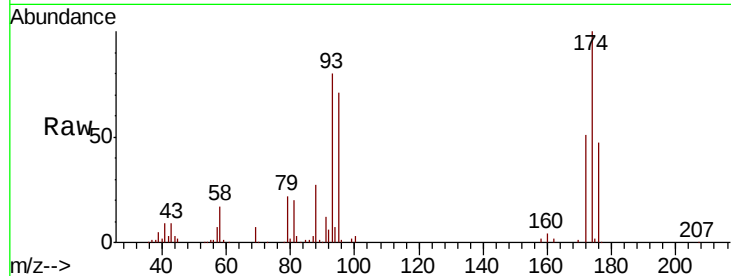
#49
1,4-Dioxane
Concen: 1059.687 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.9	58.1	87.1

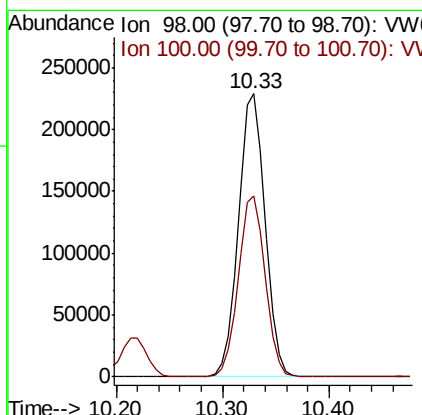
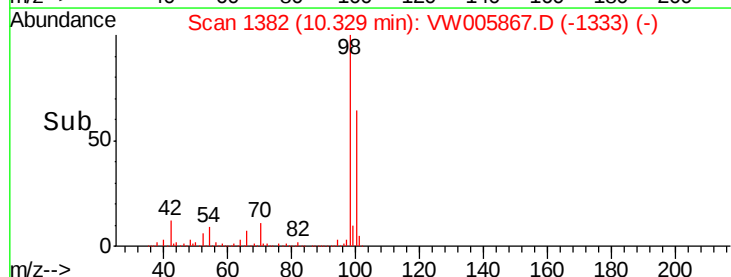
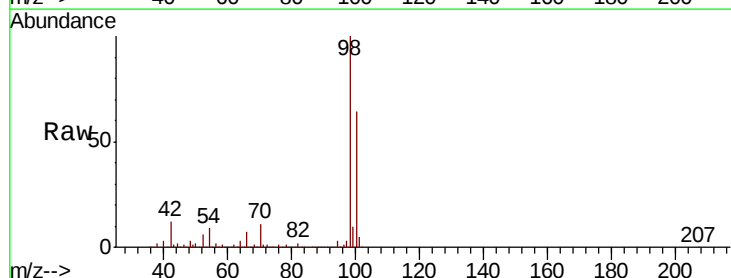
Manual Integrations
APPROVED

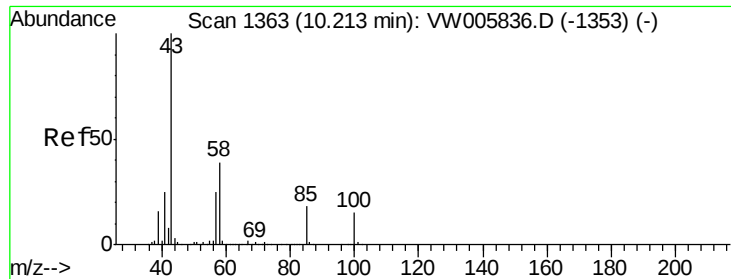
apatel
10/5/2018 3:12:47 PM



#50
Toluene-d8
Concen: 54.433 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





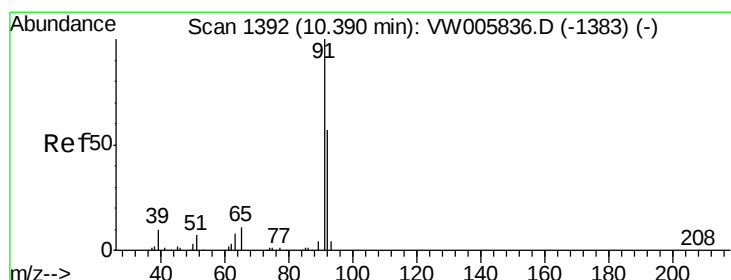
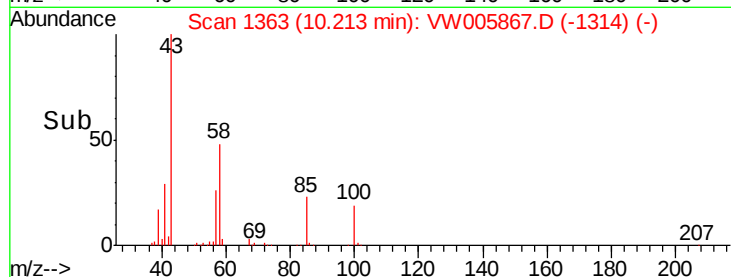
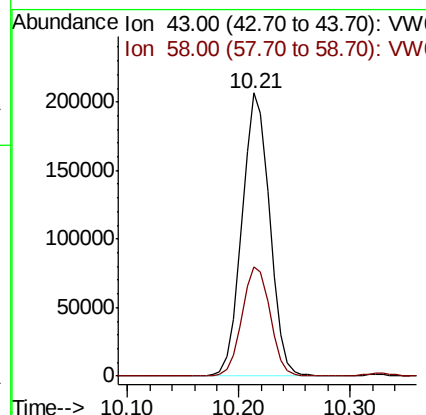
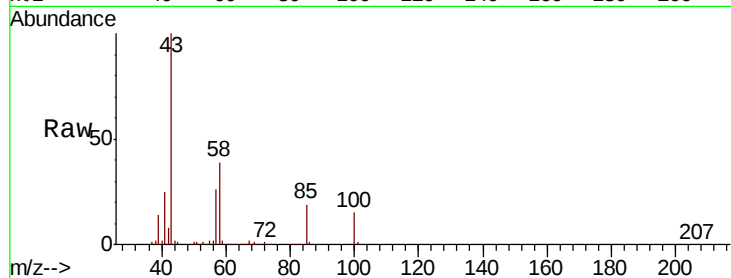
#51
4-Methyl-2-Pentanone
Concen: 293.364 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.6	45.8

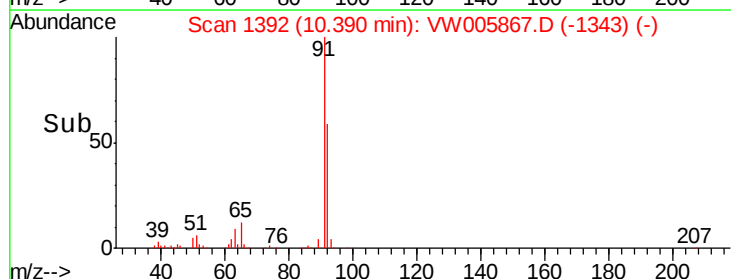
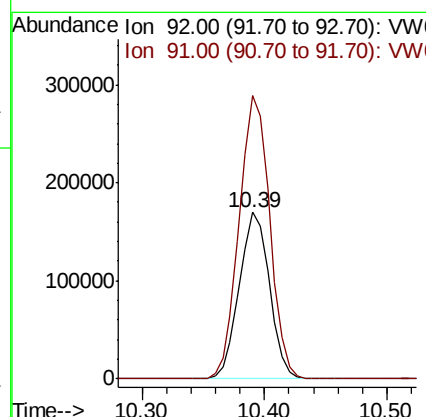
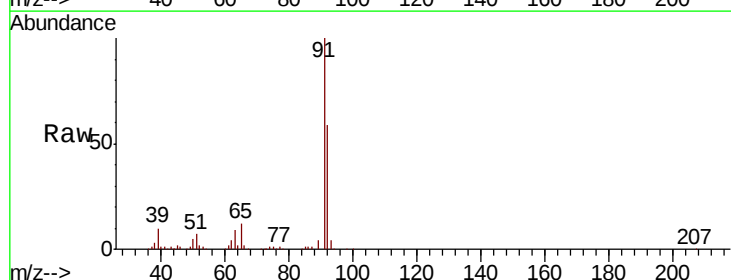
Manual Integrations
APPROVED

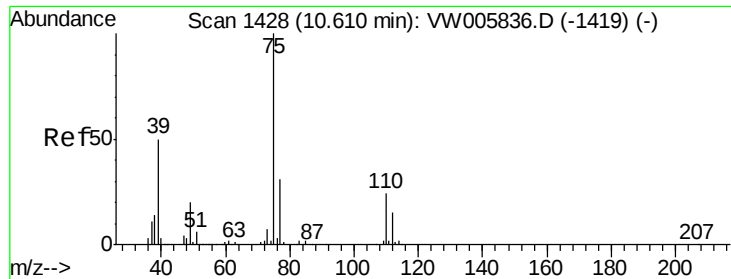
apatel
10/5/2018 3:12:47 PM



#52
Toluene
Concen: 55.635 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.0	208.4





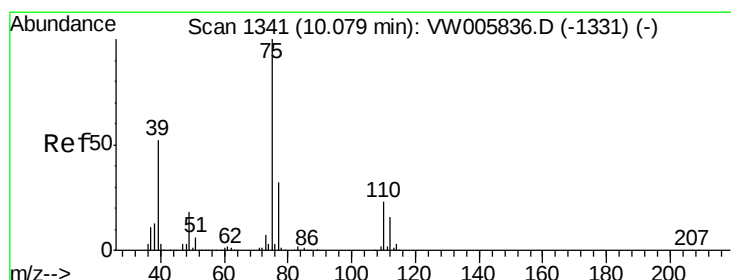
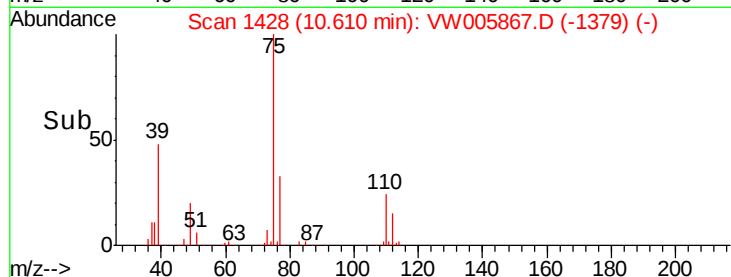
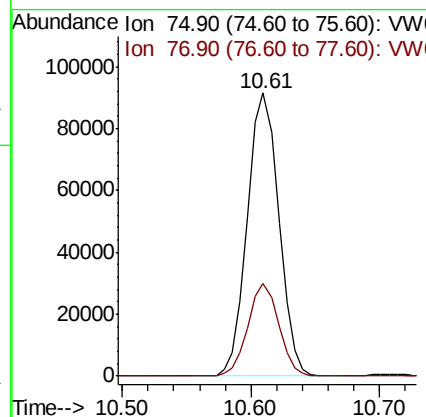
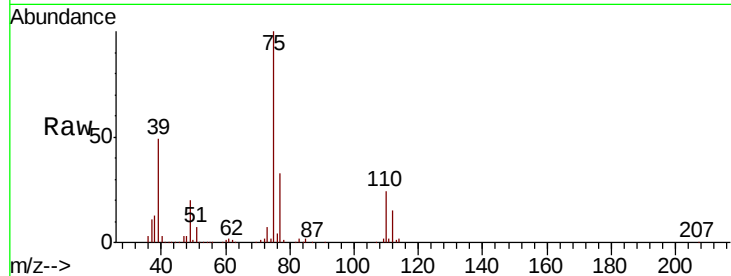
#53
t-1,3-Dichloropropene
Concen: 56.396 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 154722
Ion Ratio Lower Upper
75 100
77 32.6 25.0 37.4

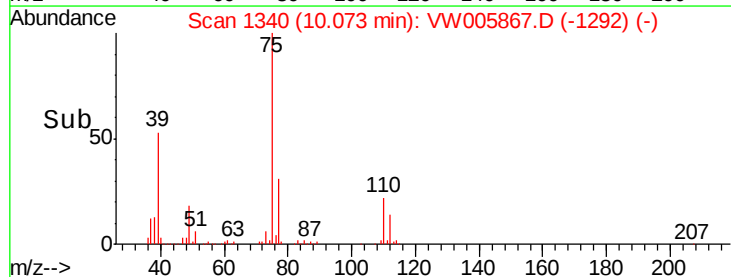
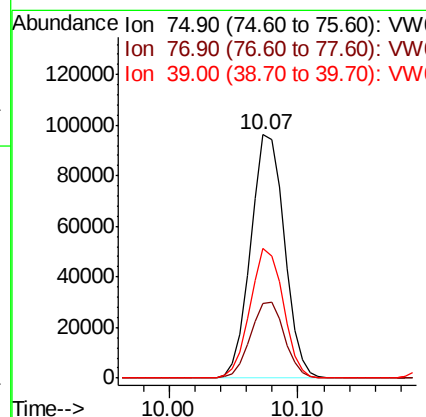
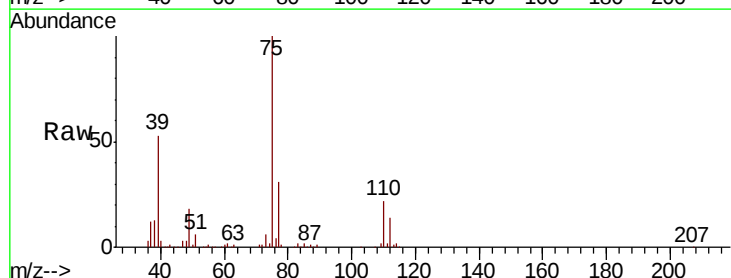
Manual Integrations
APPROVED

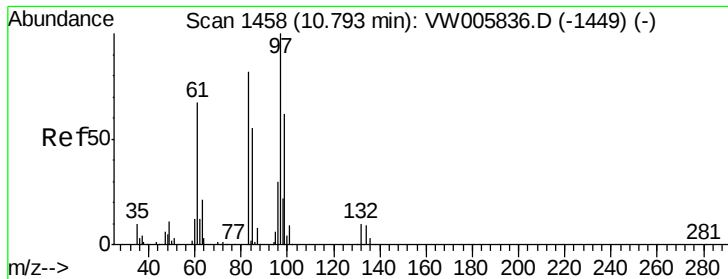
apatel
10/5/2018 3:12:47 PM



#54
cis-1,3-Dichloropropene
Concen: 56.594 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion: 75 Resp: 173834
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2
39 53.1 41.9 62.9





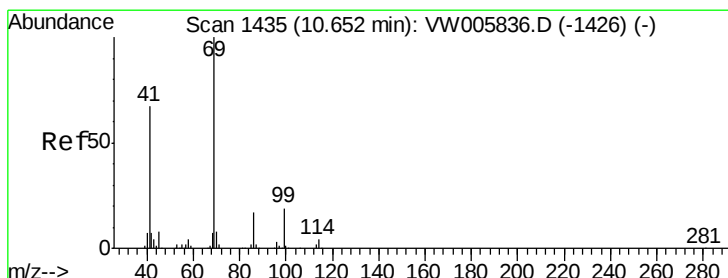
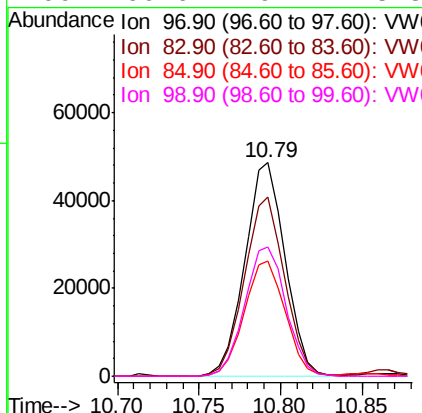
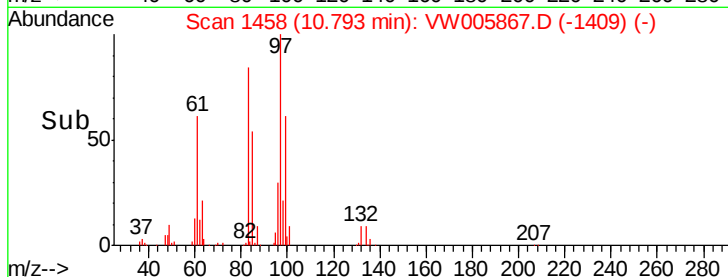
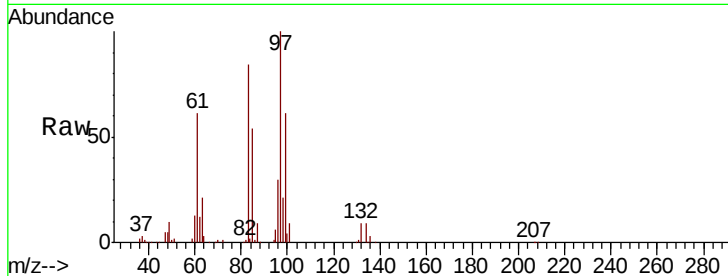
#55
 1,1,2-Trichloroethane
 Concen: 54.531 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	83637
Ion Ratio	Lower	Upper	
97	100		
83	83.7	65.9	98.9
85	54.2	44.2	66.2
99	60.6	49.2	73.8

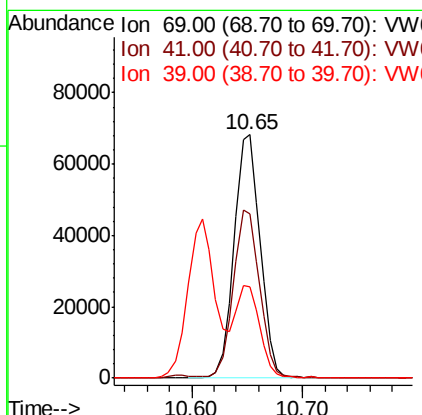
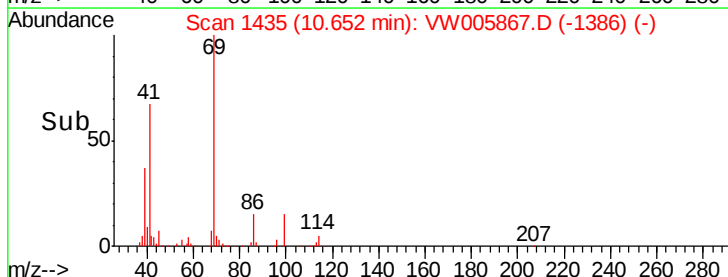
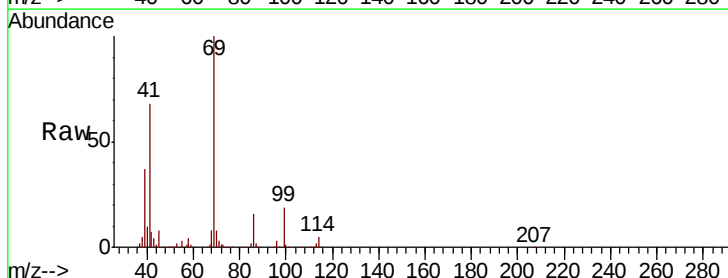
Manual Integrations
 APPROVED

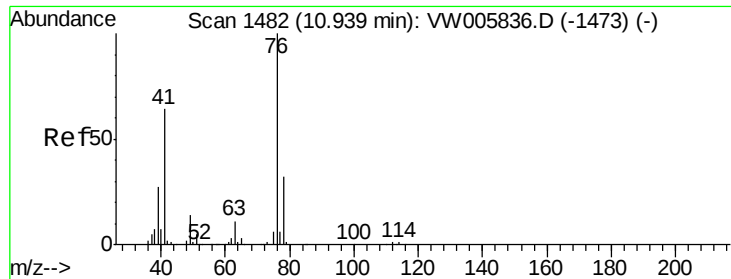
apatel
 10/5/2018 3:12:47 PM



#56
 Ethyl methacrylate
 Concen: 60.160 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Tgt Ion:	69	Resp:	110506
Ion Ratio	Lower	Upper	
69	100		
41	69.0	55.8	83.6
39	34.0	29.3	43.9





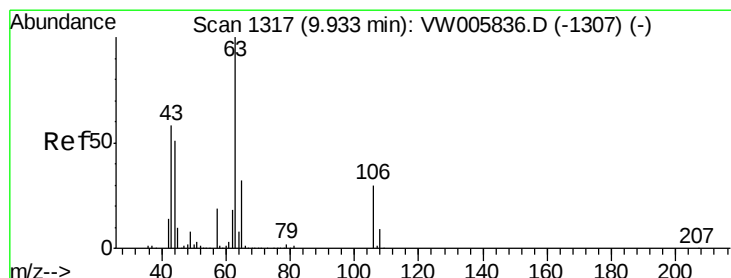
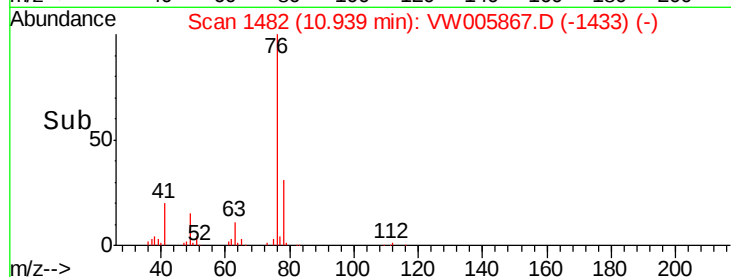
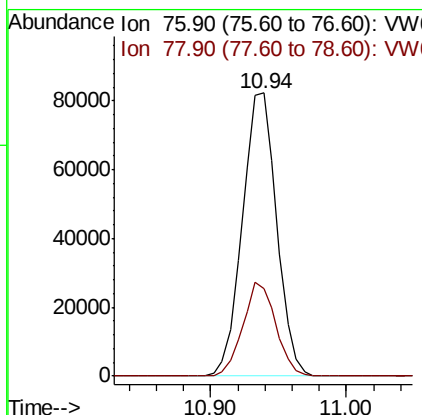
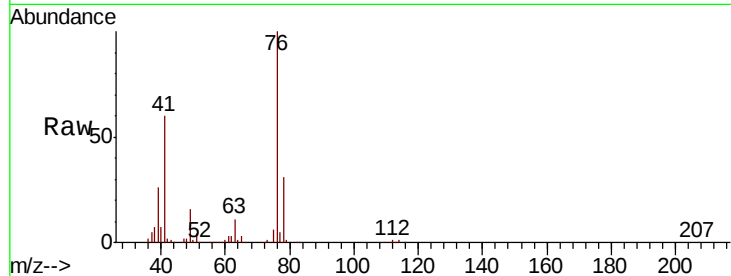
#57
 1,3-Dichloropropane
 Concen: 55.617 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 145221
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.4 38.0

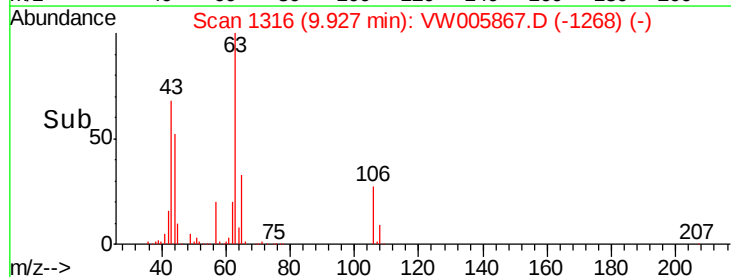
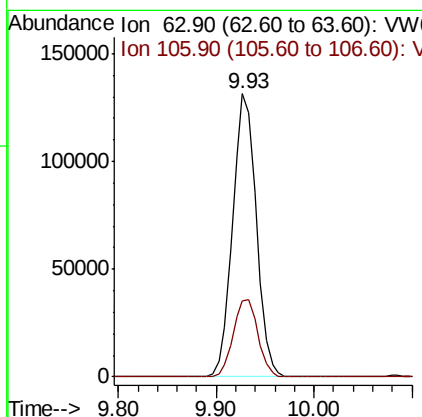
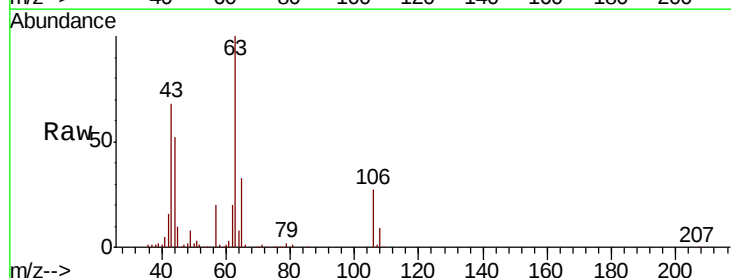
Manual Integrations
 APPROVED

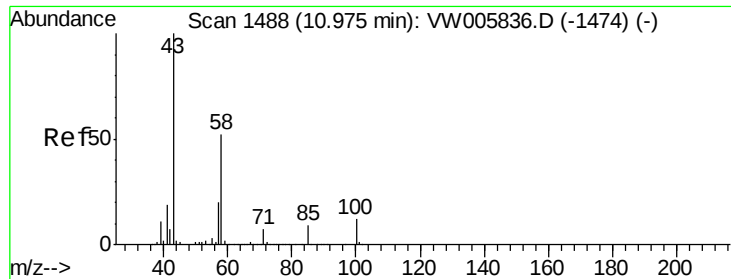
apatel
 10/5/2018 3:12:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.953 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Tgt Ion: 63 Resp: 220468
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.7 35.5





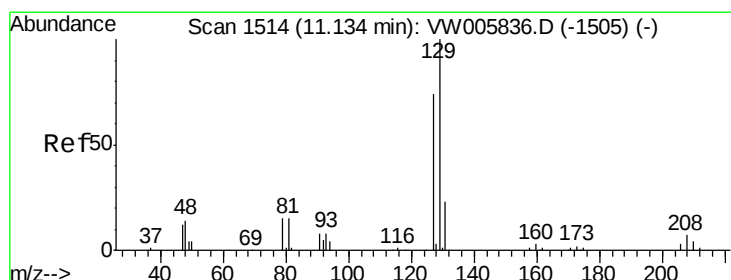
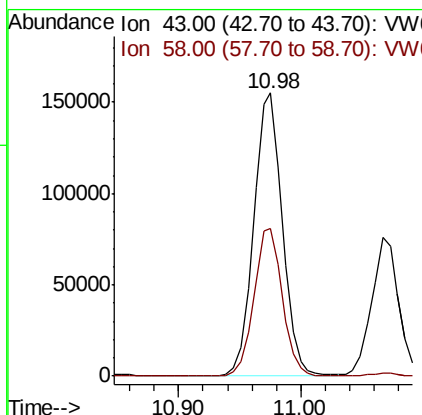
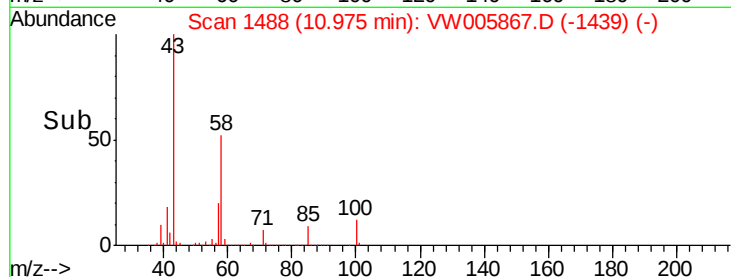
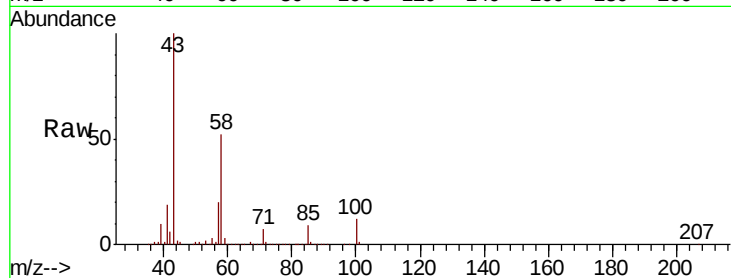
#59
2-Hexanone
Concen: 312.310 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 252871
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

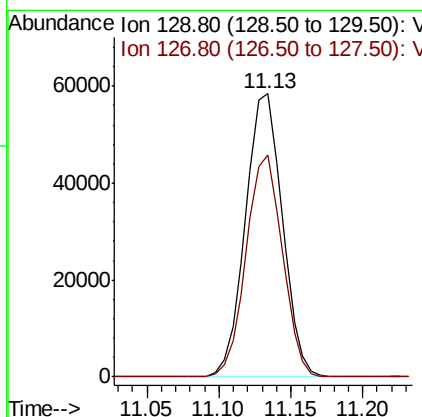
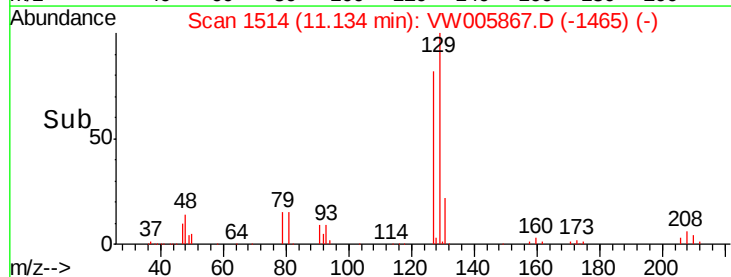
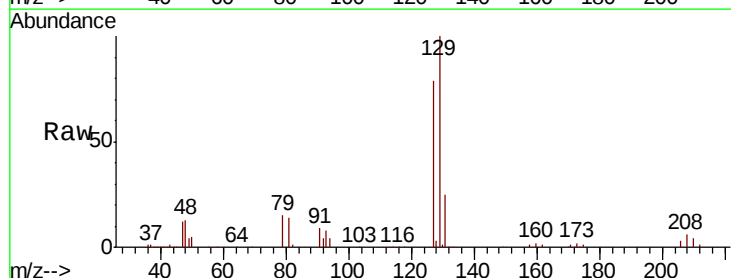
Manual Integrations
APPROVED

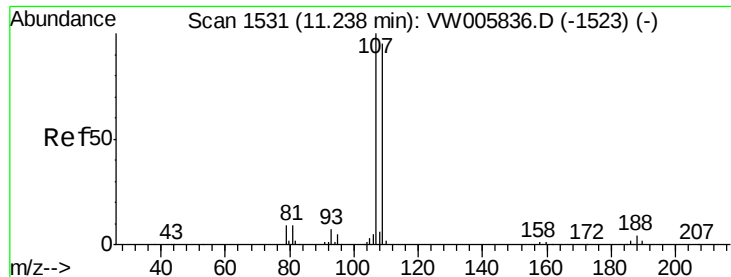
apatel
10/5/2018 3:12:47 PM



#60
Dibromochloromethane
Concen: 54.213 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion: 129 Resp: 103798
Ion Ratio Lower Upper
129 100
127 76.8 37.2 111.6





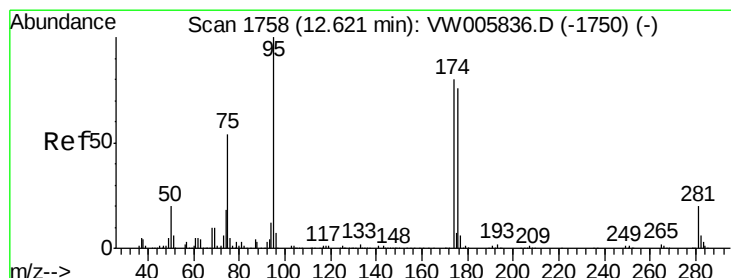
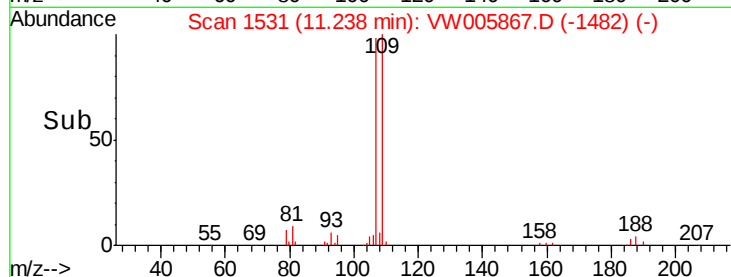
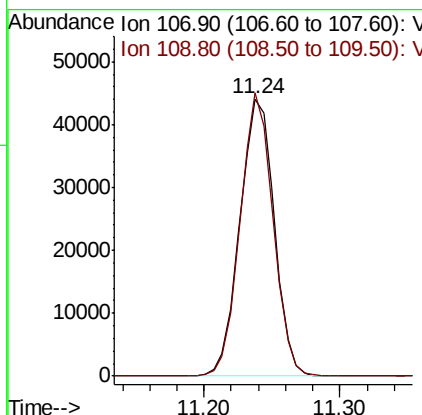
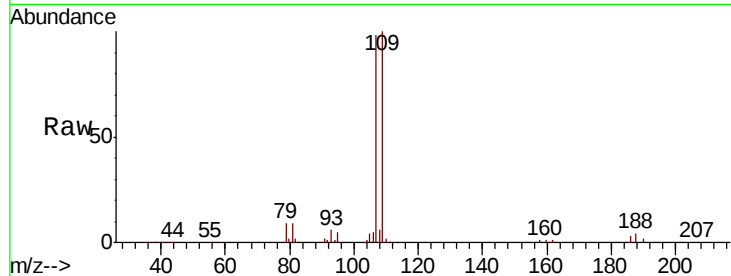
#61
 1,2-Dibromoethane
 Concen: 54.739 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.6	114.8

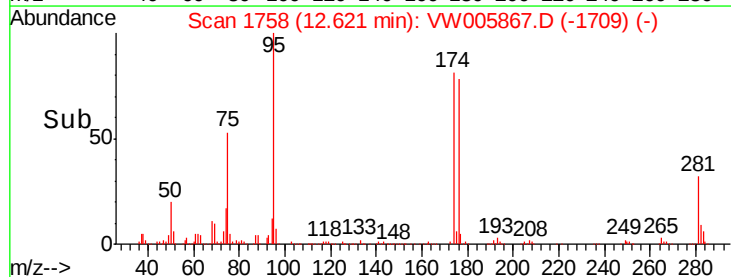
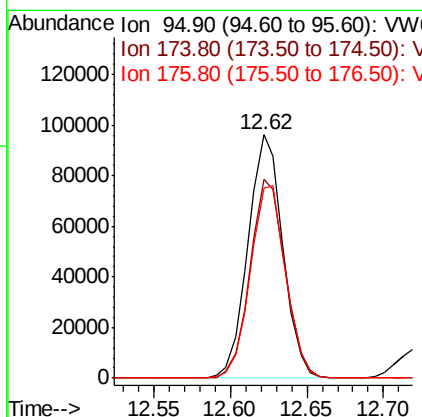
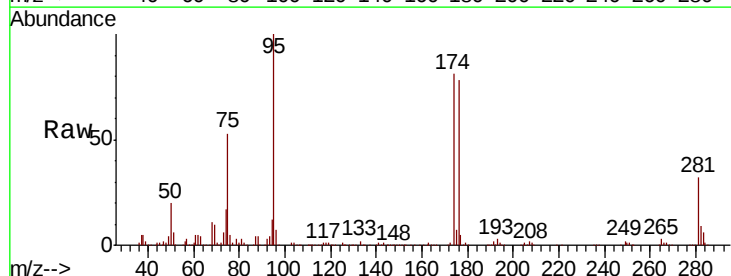
Manual Integrations
 APPROVED

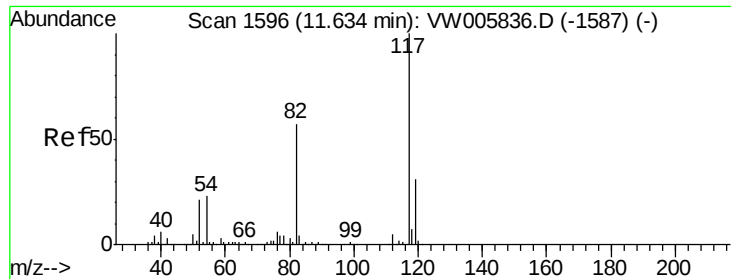
apatel
 10/5/2018 3:12:47 PM



#62
 4-Bromofluorobenzene
 Concen: 55.333 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	169.0
176	80.9	0.0	164.2





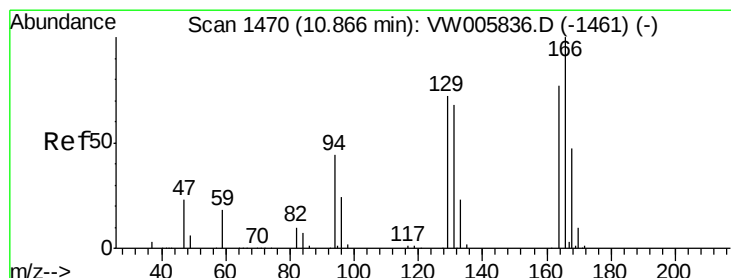
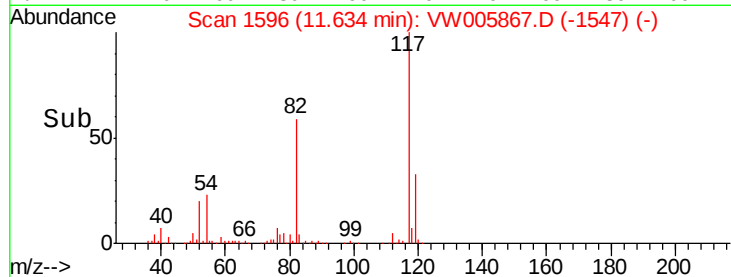
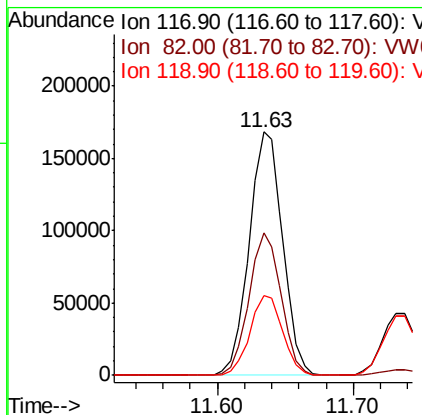
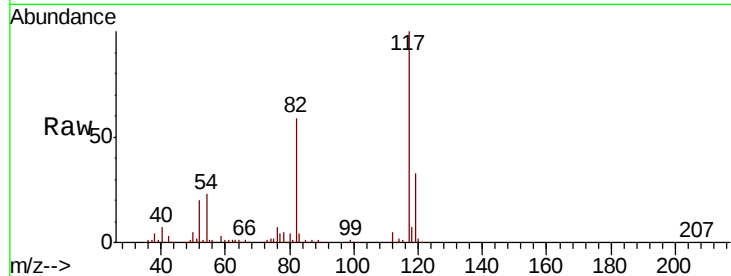
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290211		
82	58.5	45.6	68.4	
119	32.8	25.0	37.6	

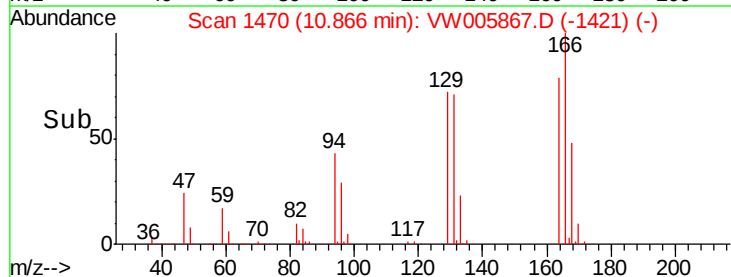
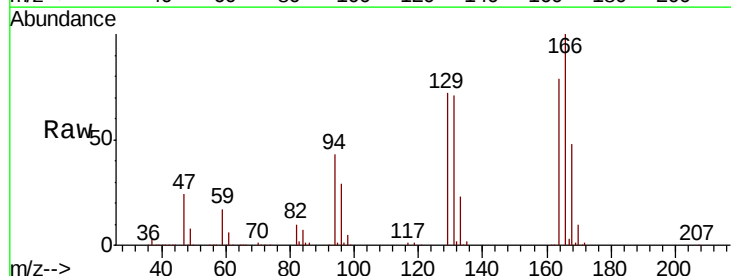
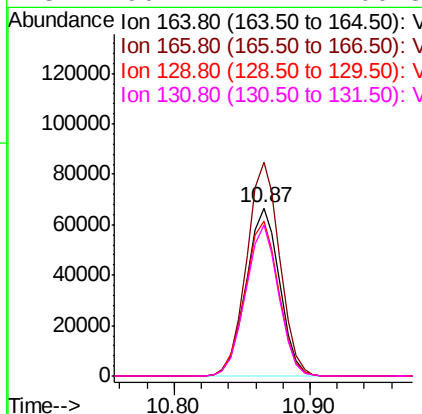
Manual Integrations
APPROVED

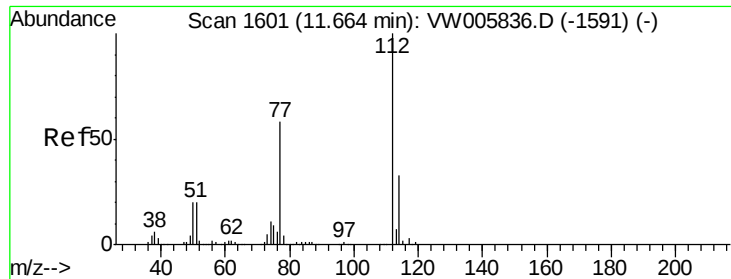
apatel
10/5/2018 3:12:47 PM



#64
Tetrachloroethene
Concen: 50.513 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114428		
166	127.3	104.0	156.0	
129	92.0	74.8	112.2	
131	90.1	71.2	106.8	





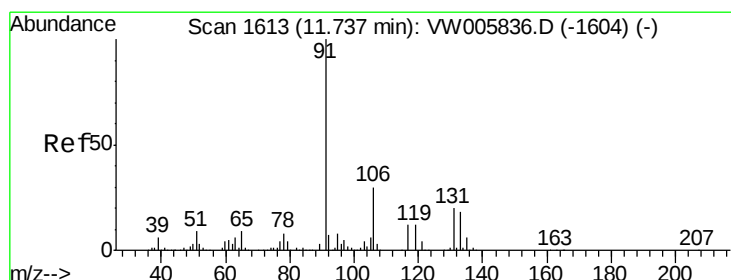
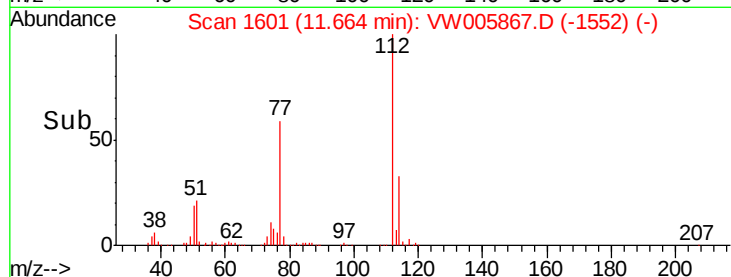
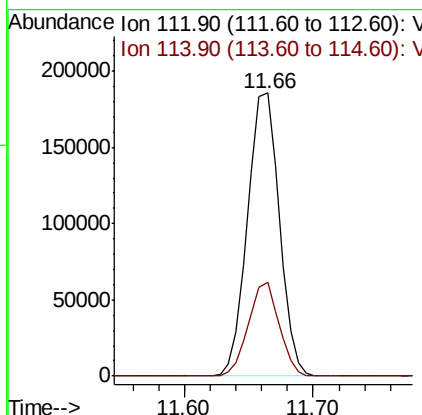
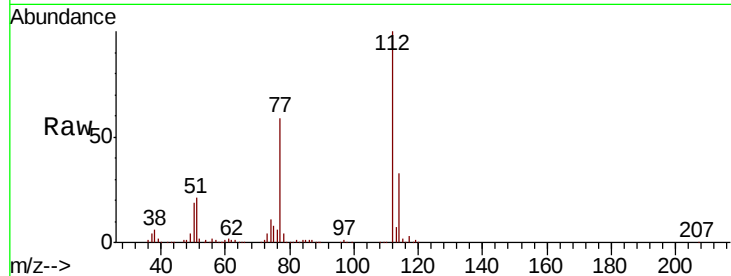
#65
Chlorobenzene
Concen: 49.950 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 316960
Ion Ratio Lower Upper
112 100
114 33.4 26.1 39.1

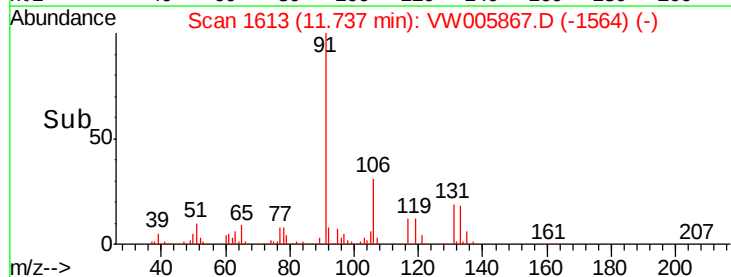
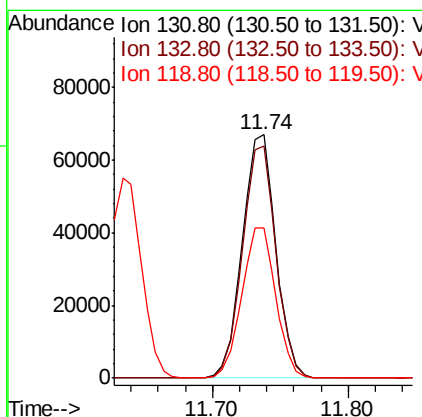
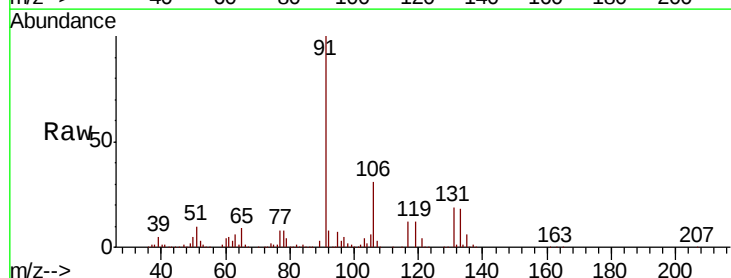
Manual Integrations
APPROVED

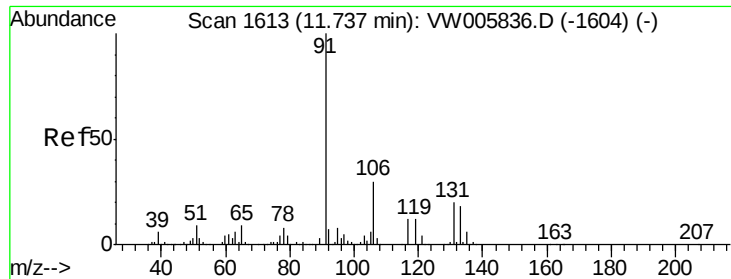
apatel
10/5/2018 3:12:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.088 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion:131 Resp: 115456
Ion Ratio Lower Upper
131 100
133 95.4 47.0 141.0
119 62.5 30.4 91.2





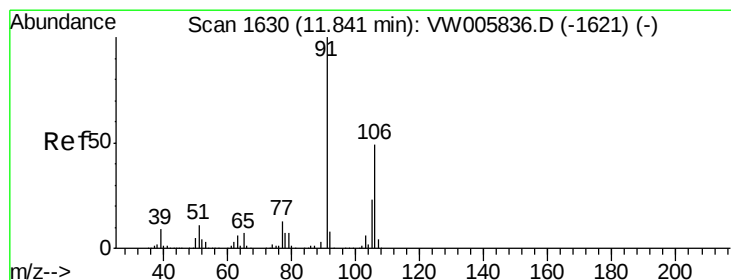
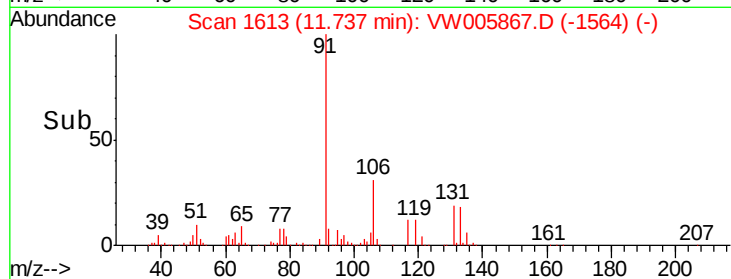
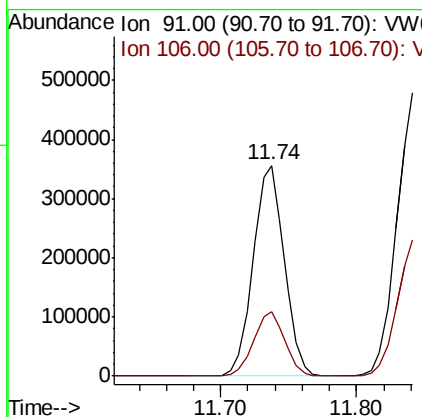
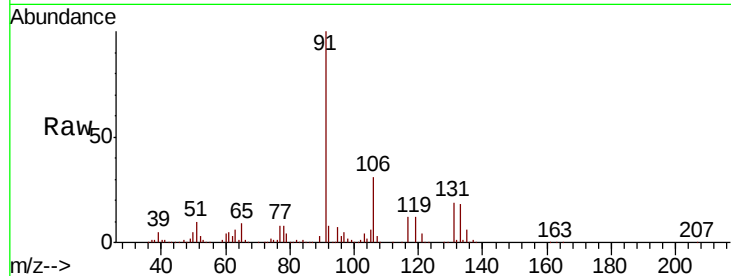
#67
Ethyl Benzene
Concen: 52.666 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 572249
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

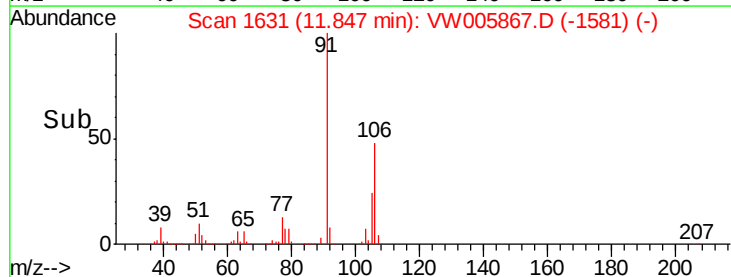
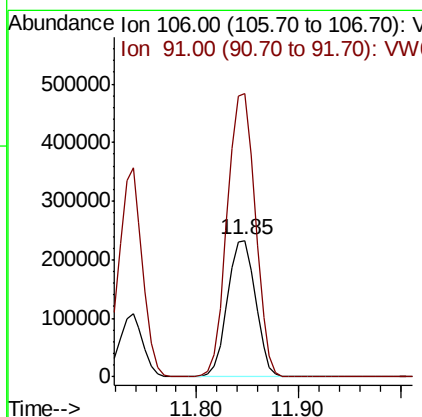
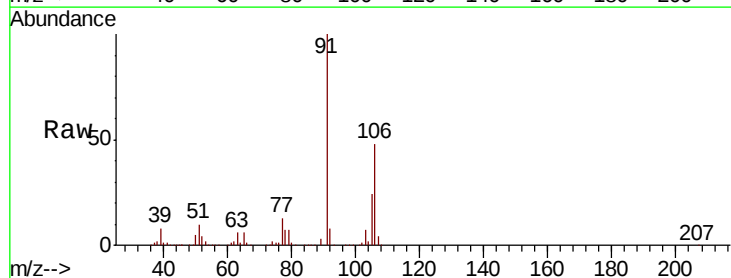
Manual Integrations
APPROVED

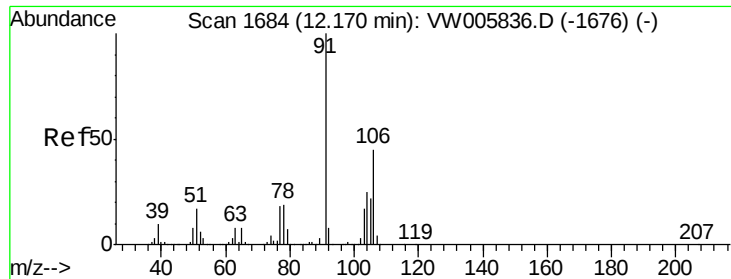
apatel
10/5/2018 3:12:47 PM



#68
m/p-Xylenes
Concen: 105.459 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion: 106 Resp: 441546
Ion Ratio Lower Upper
106 100
91 208.8 165.4 248.0





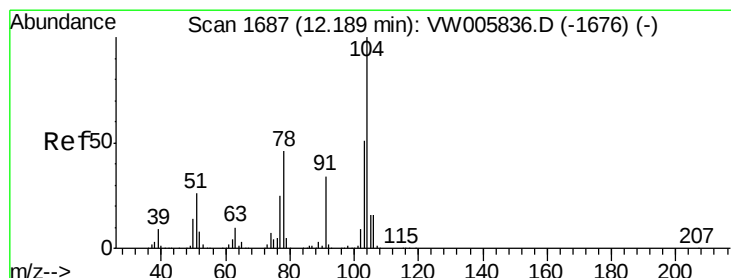
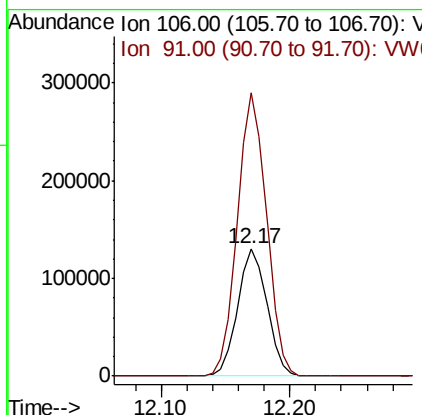
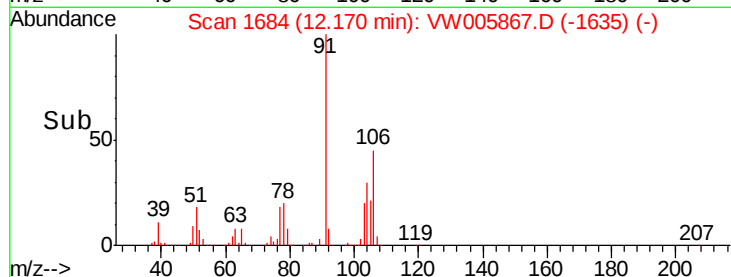
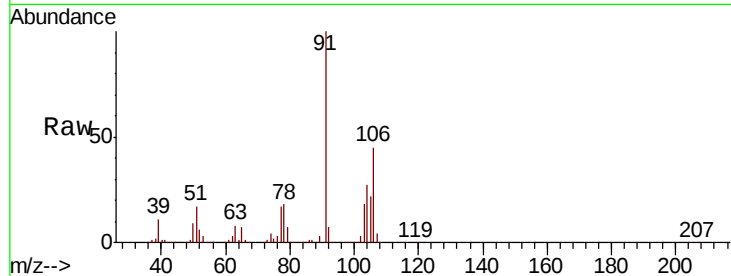
#69
o-Xylene
Concen: 52.780 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.6	109.7	329.1	

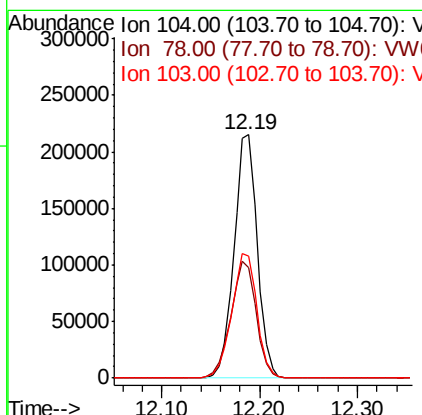
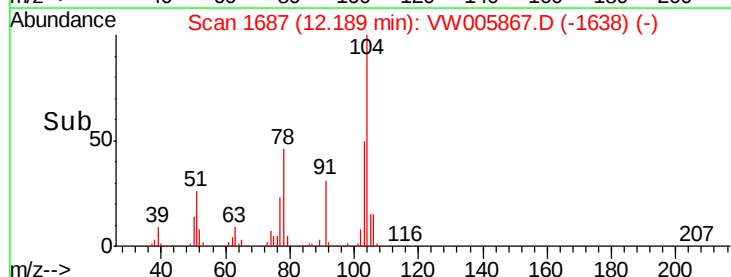
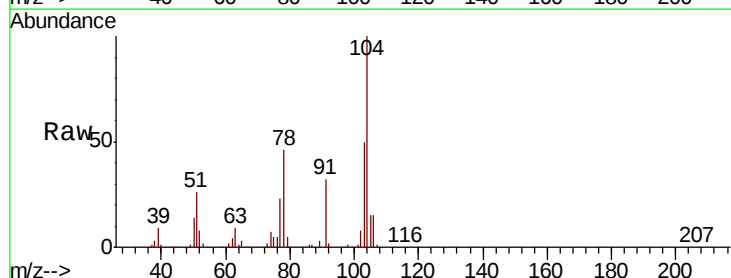
Manual Integrations
APPROVED

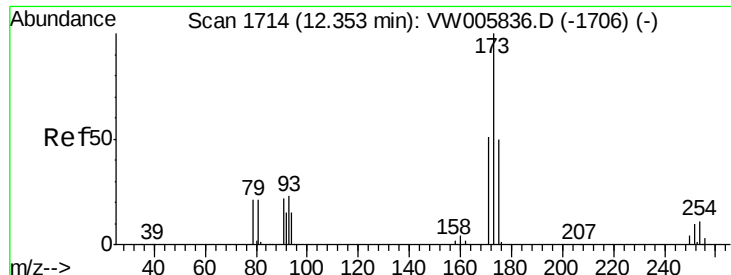
apatel
10/5/2018 3:12:47 PM



#70
Styrene
Concen: 53.568 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.3	42.3	63.5	
103	55.2	44.9	67.3	





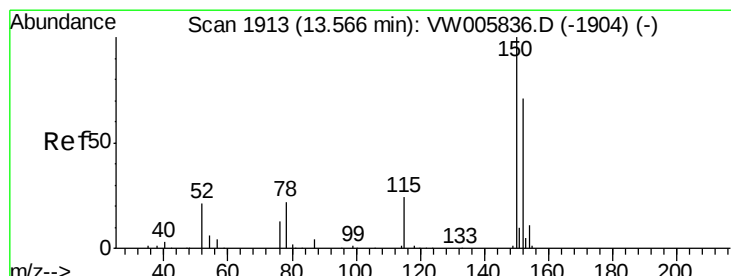
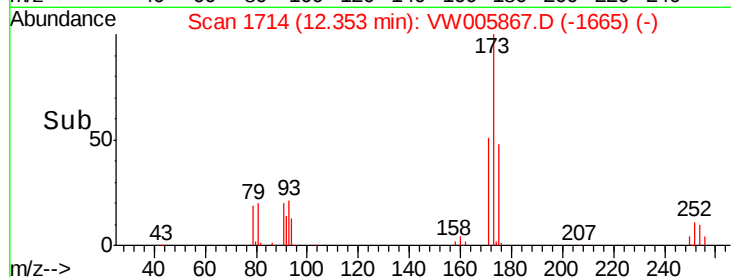
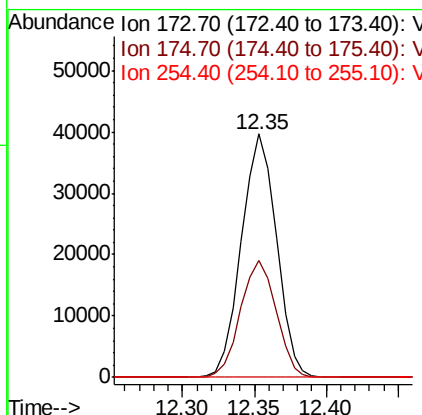
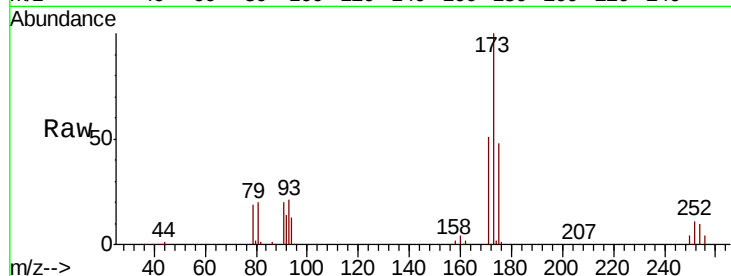
#71
Bromoform
Concen: 51.776 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.9
254	0.1	0.1	0.1

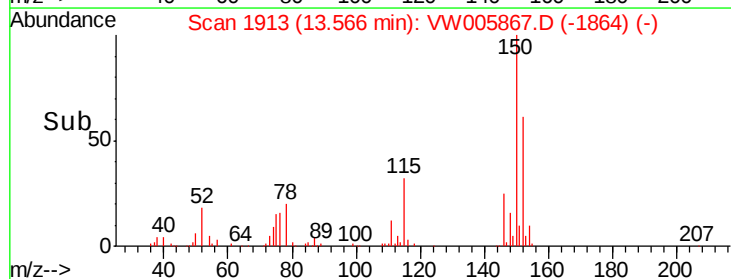
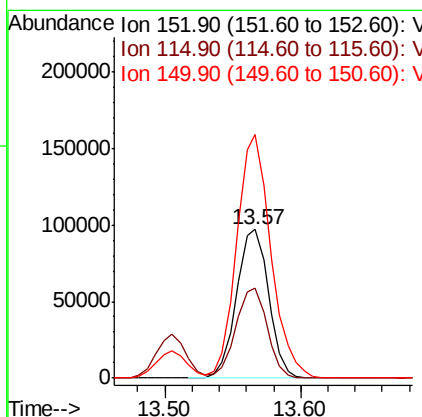
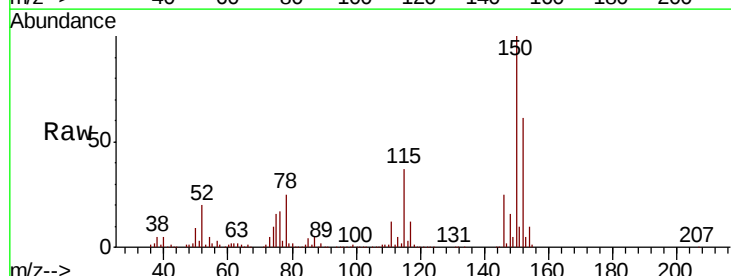
Manual Integrations
APPROVED

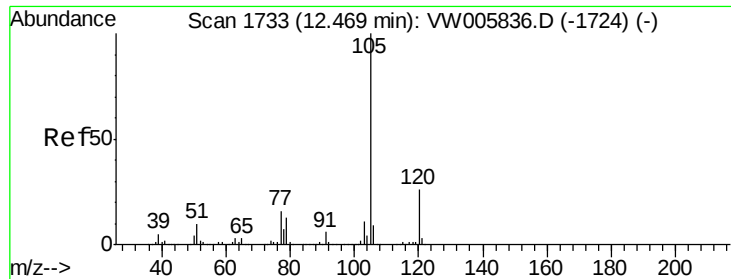
apatel
10/5/2018 3:12:47 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.8	89.4
150	174.1	0.0	349.4





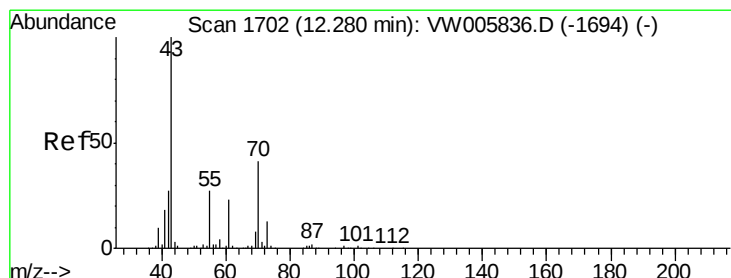
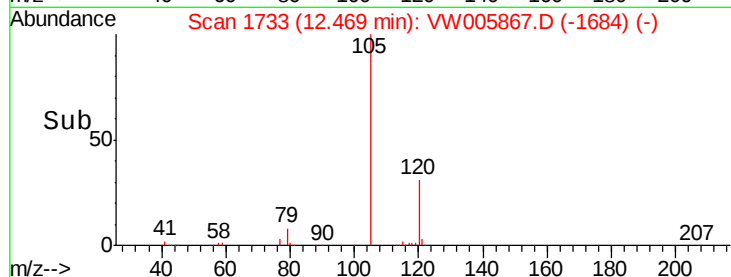
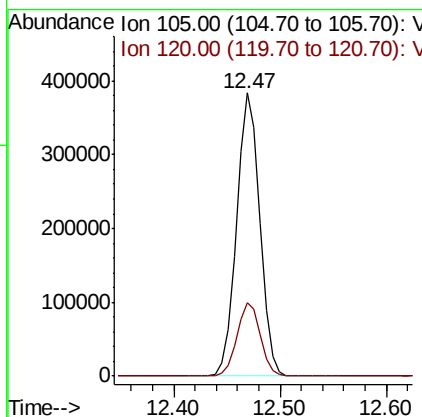
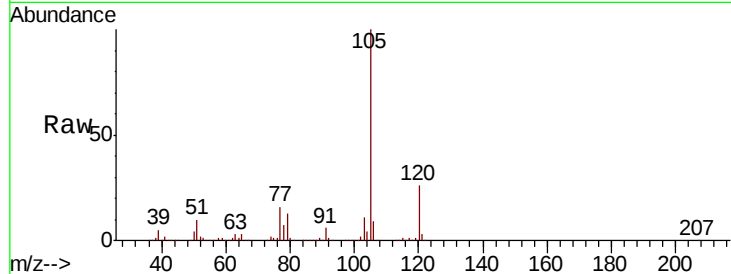
#73
Isopropylbenzene
Concen: 53.347 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7

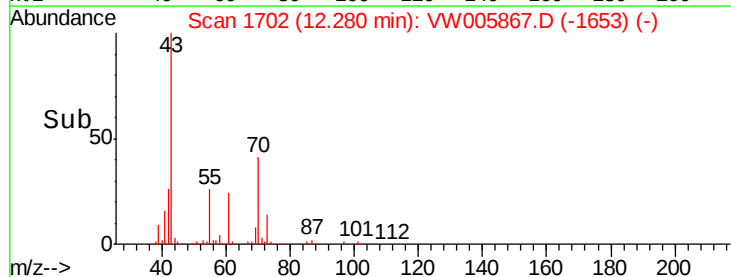
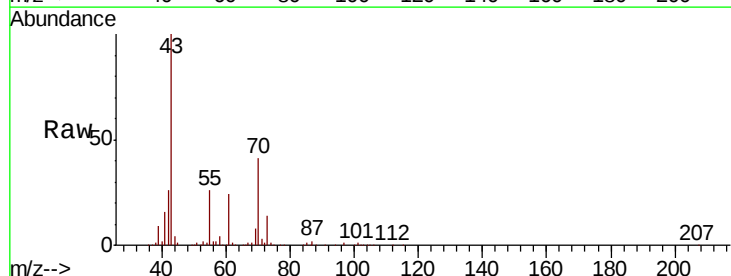
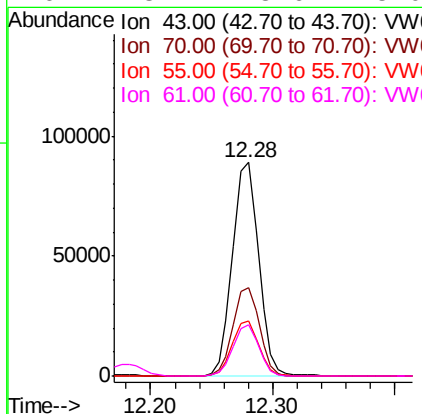
Manual Integrations
APPROVED

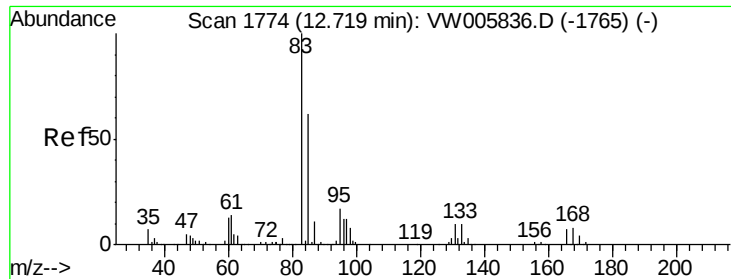
apatel
10/5/2018 3:12:47 PM



#74
N-ethyl acetate
Concen: 55.294 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.5	33.6	50.4
55	26.1	21.8	32.6
61	23.7	18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.429 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

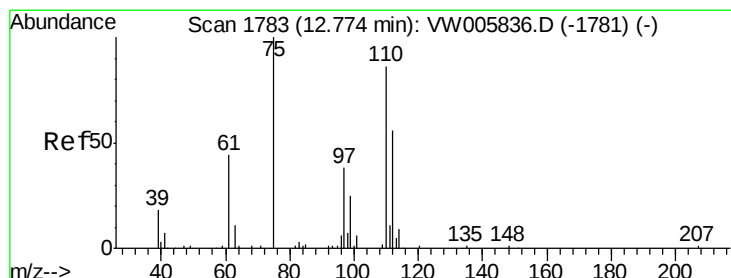
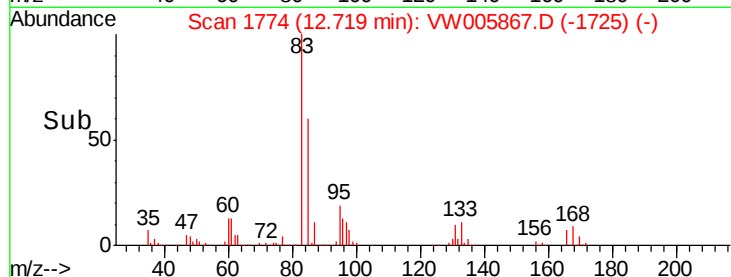
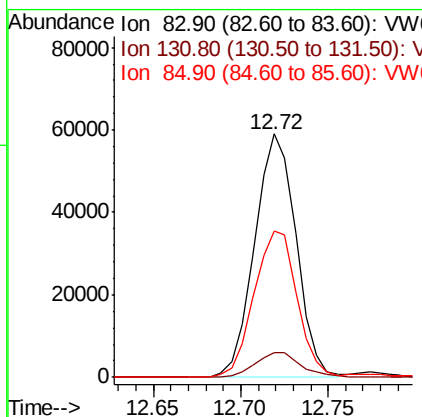
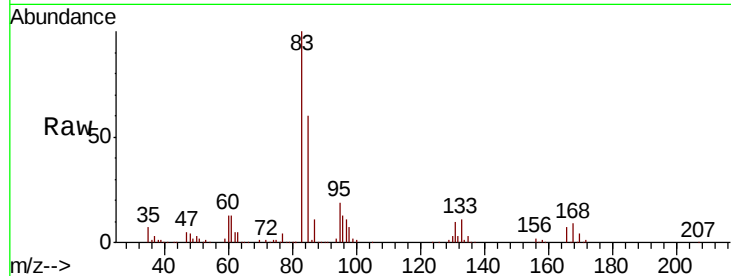
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	97024
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.9	17.6
85	62.6	31.8	95.3

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM



#76

1,2,3-Trichloropropane

Concen: 46.602 ug/l m

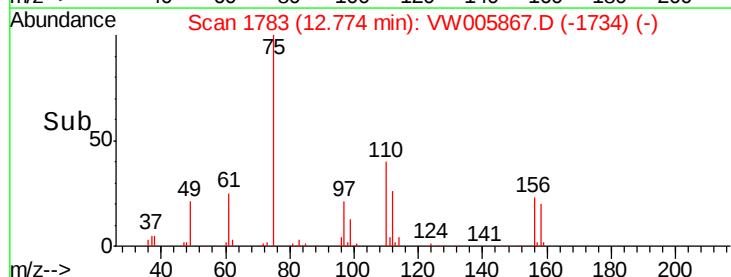
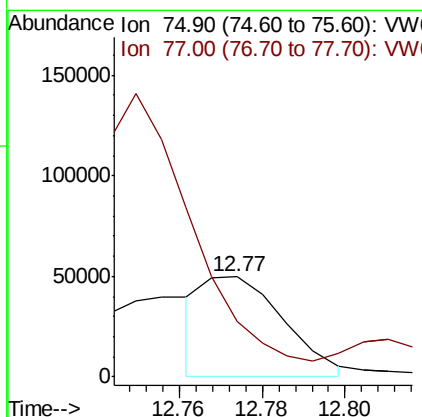
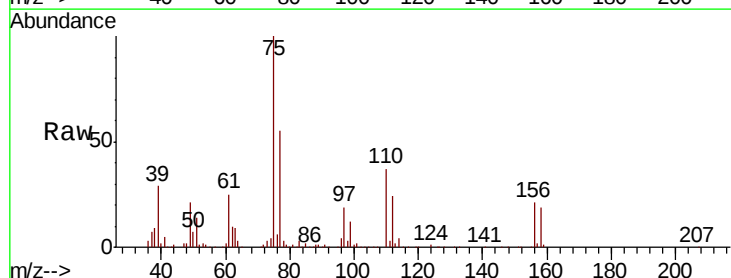
RT: 12.77 min Scan# 1783

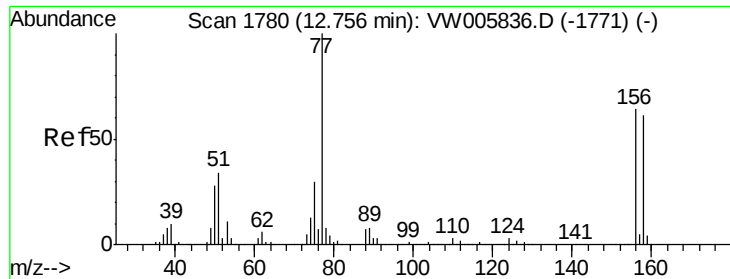
Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Tgt Ion:	75	Resp:	67682
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.605 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

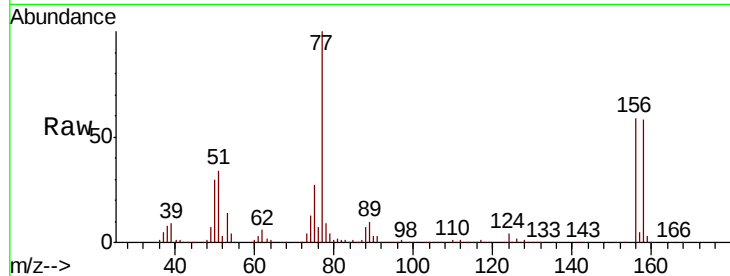
ClientSampleId :

VSTDCCC050

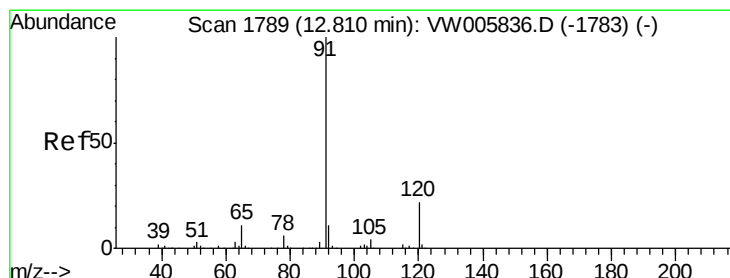
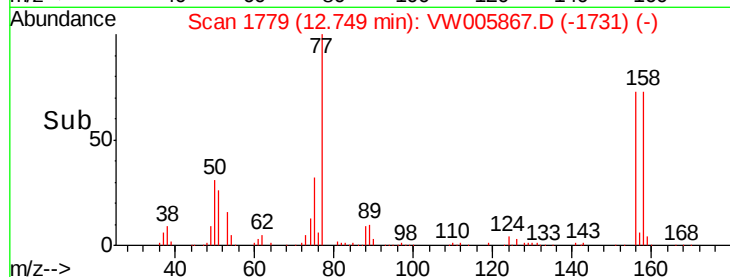
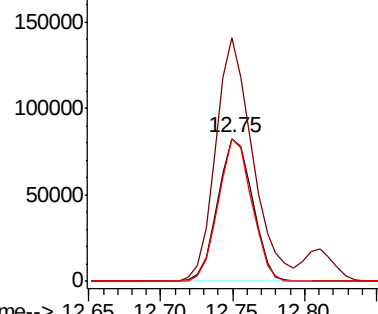
Tot Ion:	156	Resp:	137381
Ion Ratio	Lower	Upper	
156	100		
77	182.6	91.0	273.1
158	96.1	48.4	145.2

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.351 ug/l

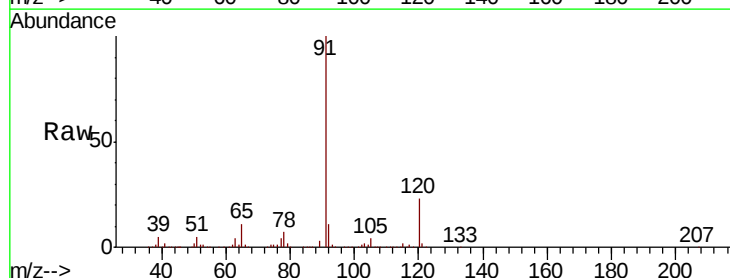
RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

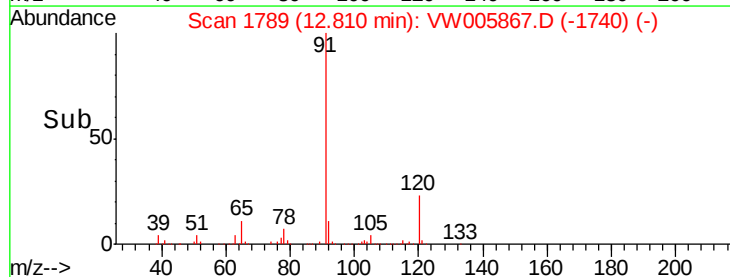
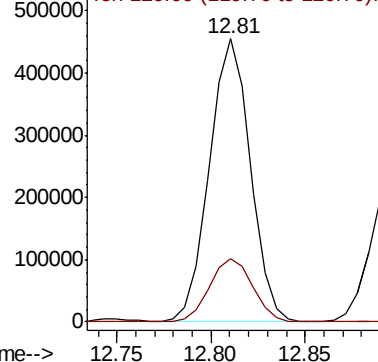
Lab File: VW005867.D

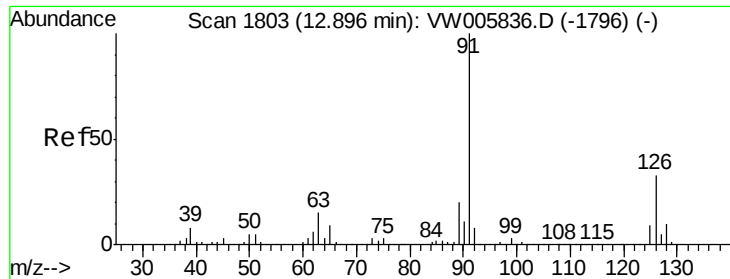
Acq: 04 Oct 2018 23:13

Tgt Ion:	91	Resp:	684652
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.417 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 392724

Ion Ratio Lower Upper

91 100

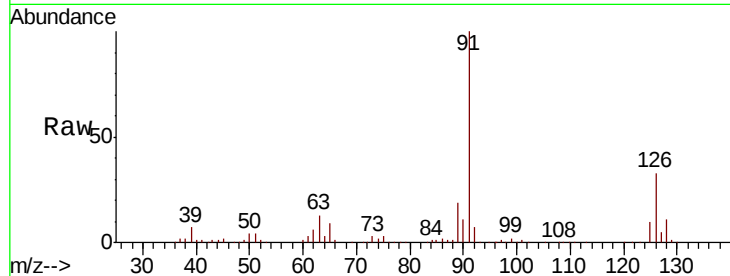
126 33.5 16.6 49.8

Manual Integrations

APPROVED

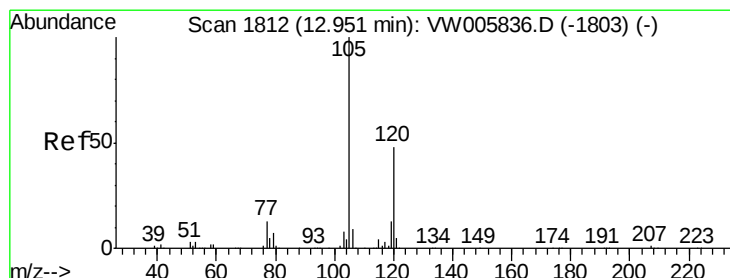
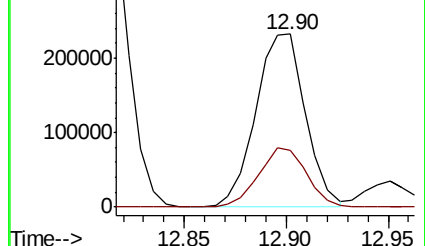
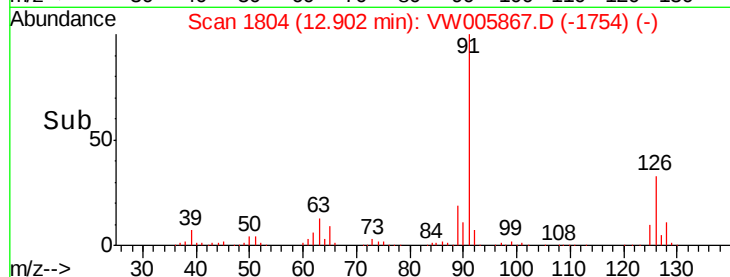
apatel

10/5/2018 3:12:47 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.133 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005867.D

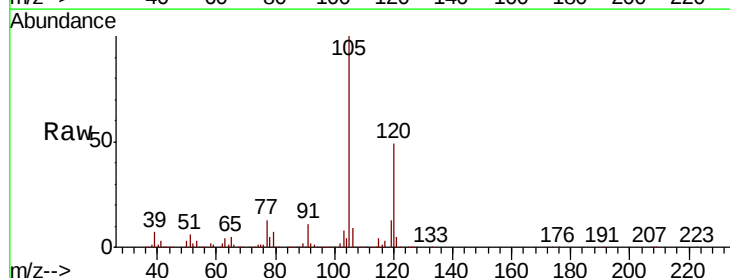
Acq: 04 Oct 2018 23:13

Tgt Ion:105 Resp: 497795

Ion Ratio Lower Upper

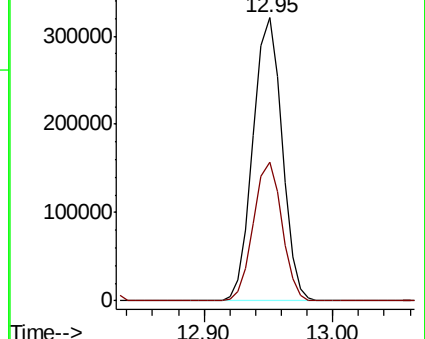
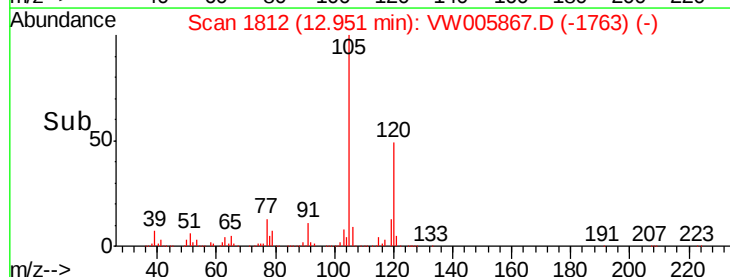
105 100

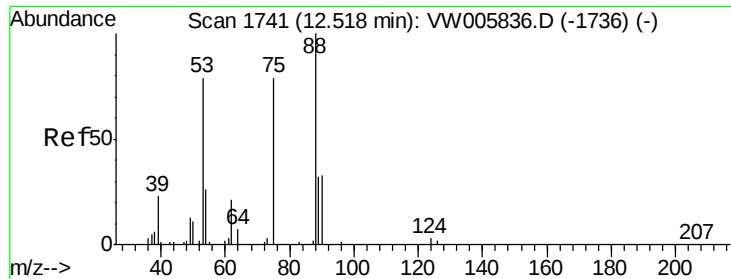
120 48.2 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





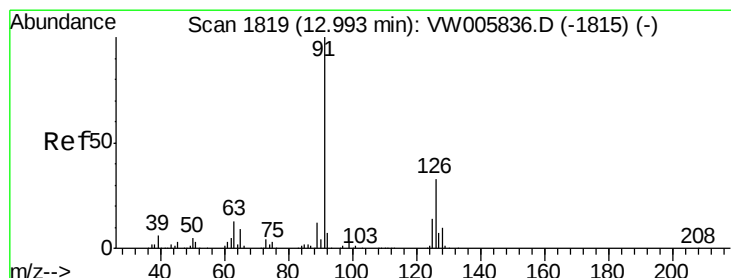
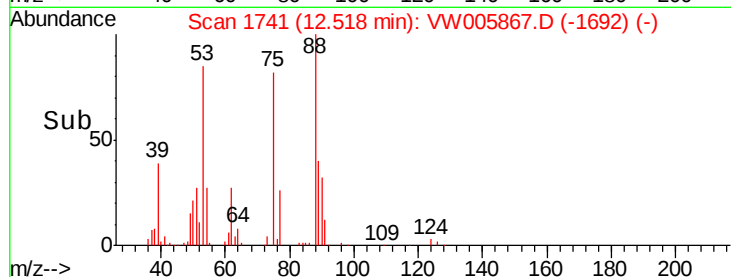
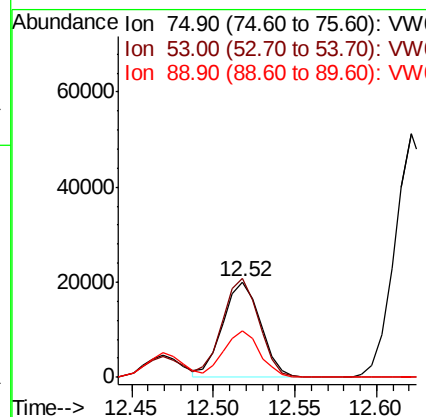
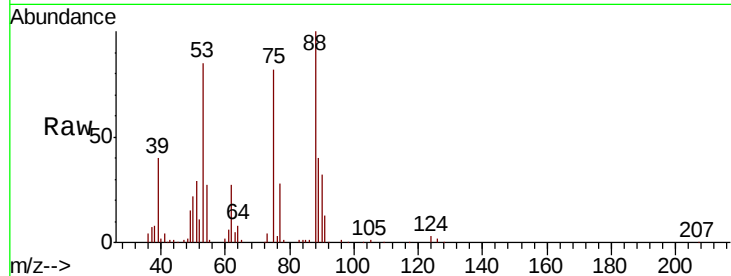
#81
trans-1,4-Dichloro-2-butene
Concen: 56.777 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	83.7	125.5
89	46.1	37.5	56.3

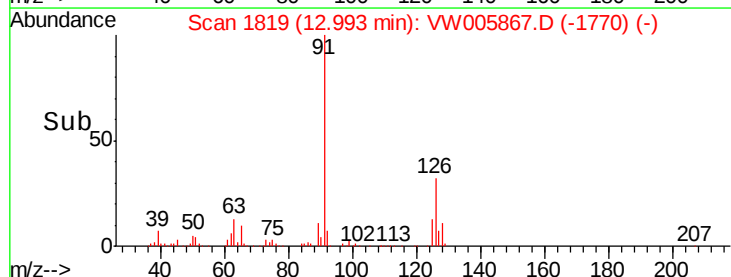
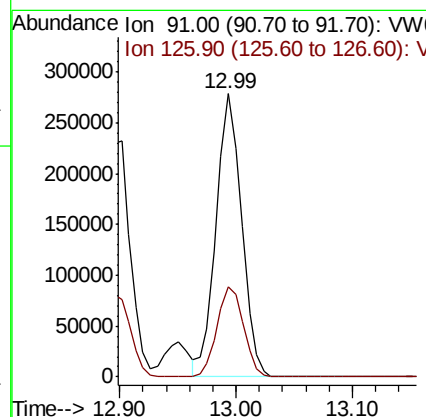
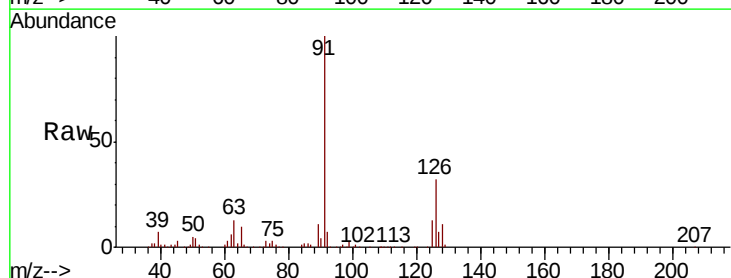
Manual Integrations
APPROVED

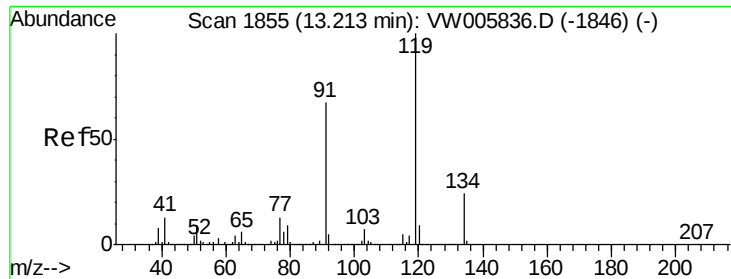
apatel
10/5/2018 3:12:47 PM



#82
4-Chlorotoluene
Concen: 51.131 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.7	50.0





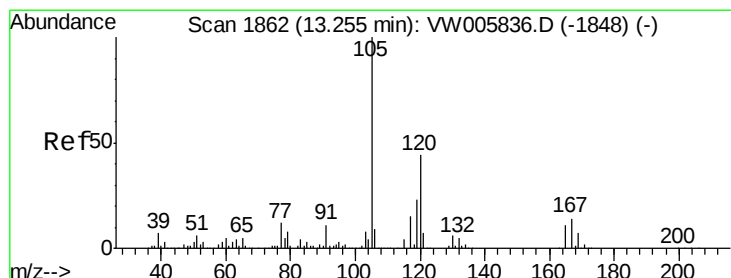
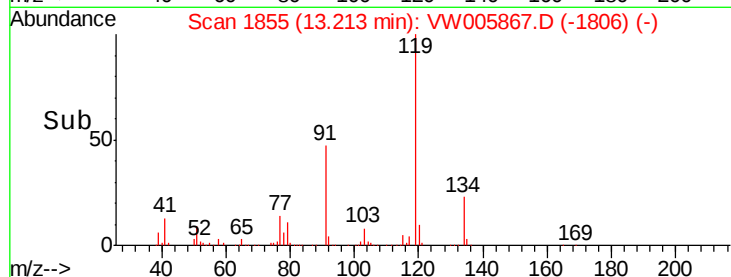
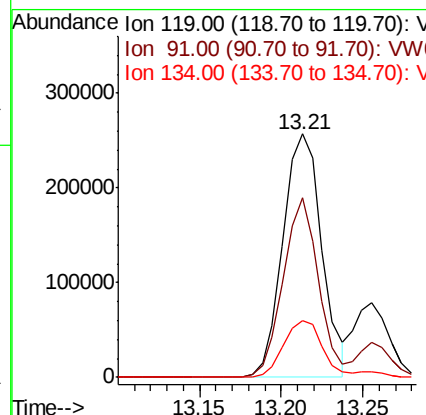
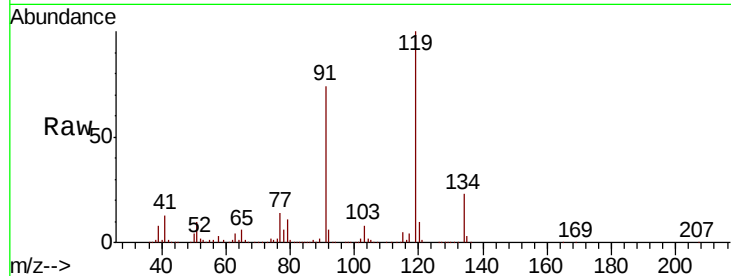
#83
tert-Butylbenzene
Concen: 53.290 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.4	100.2
134	23.5	12.8	38.3

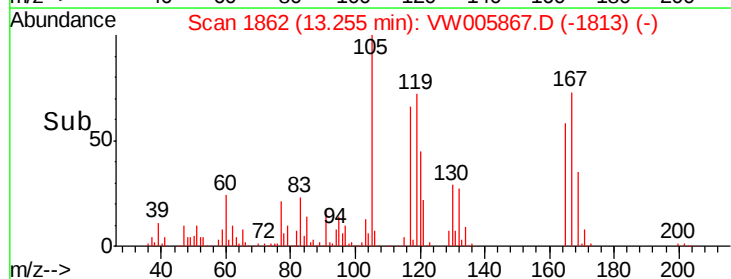
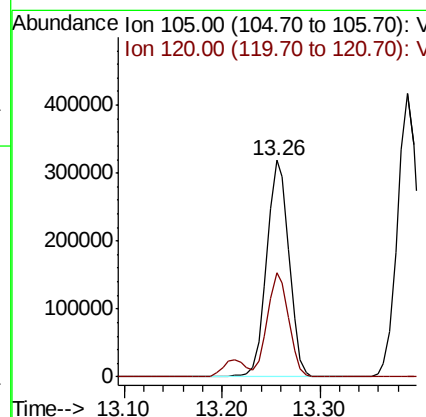
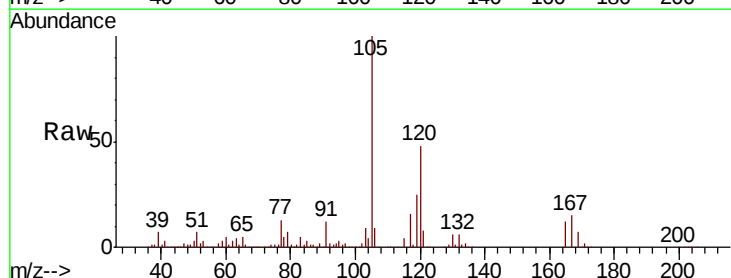
Manual Integrations
APPROVED

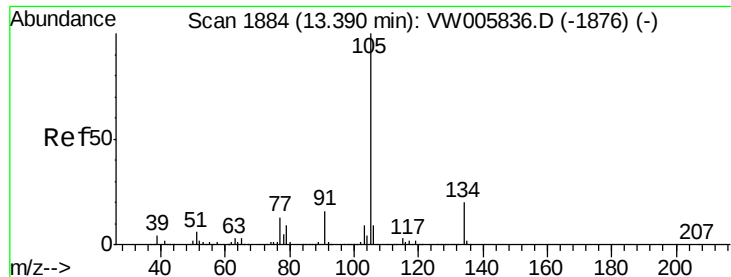
apatel
10/5/2018 3:12:47 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.278 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	21.9	65.7





#85

sec-Butylbenzene

Concen: 53.651 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 616726

Ion Ratio Lower Upper

105 100

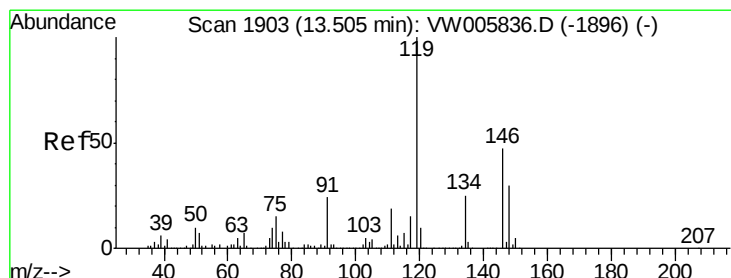
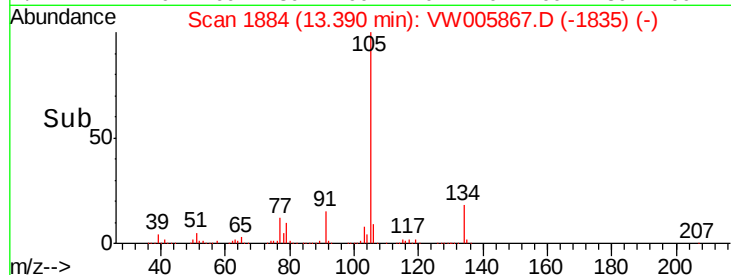
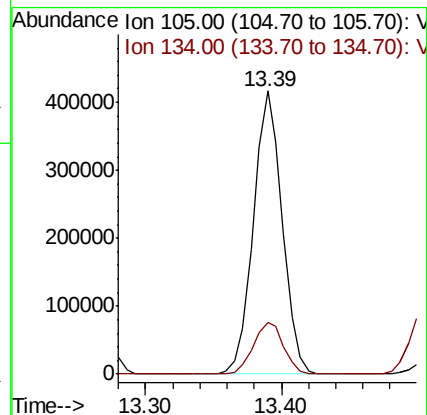
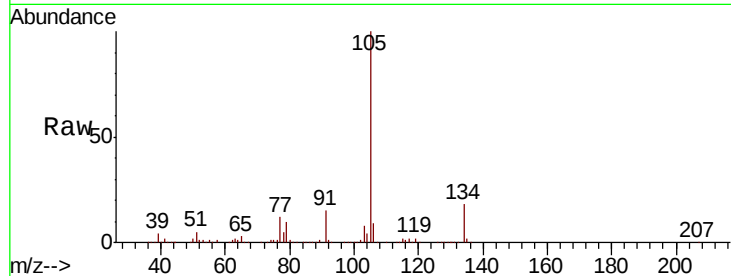
134 19.2 10.0 30.0

Manual Integrations

APPROVED

apatel

10/5/2018 3:12:47 PM



#86

p-Isopropyltoluene

Concen: 54.533 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005867.D

Acq: 04 Oct 2018 23:13

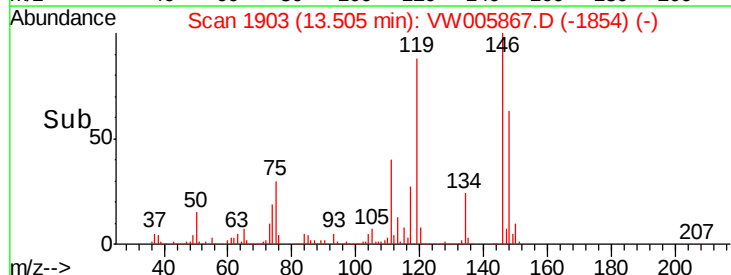
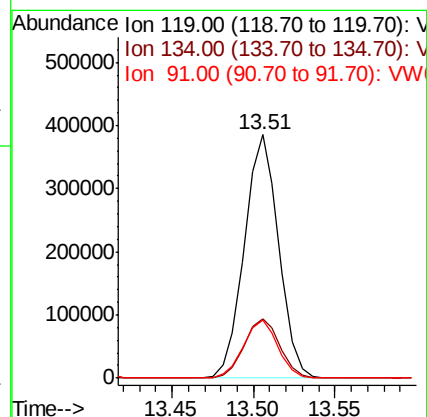
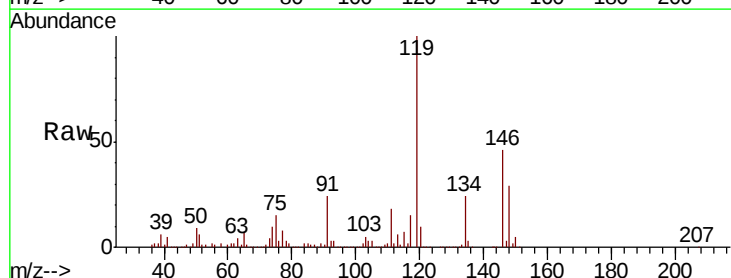
Tgt Ion:119 Resp: 562681

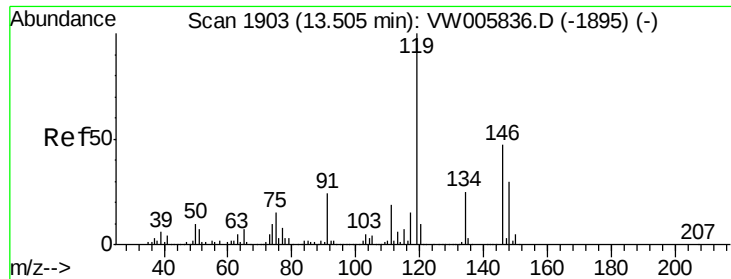
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.0

91 23.8 11.9 35.9





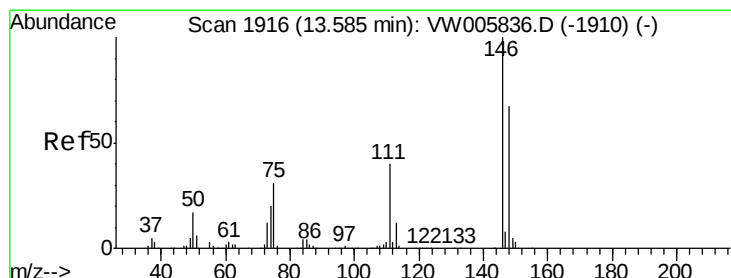
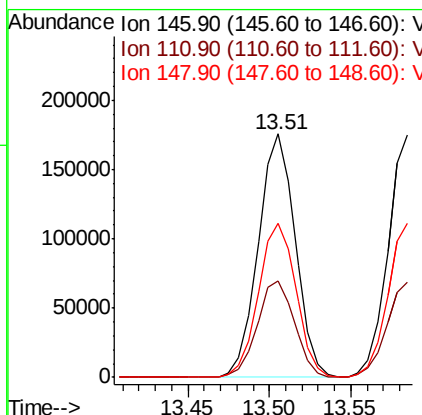
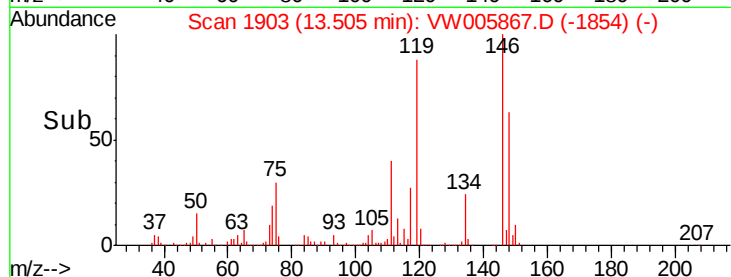
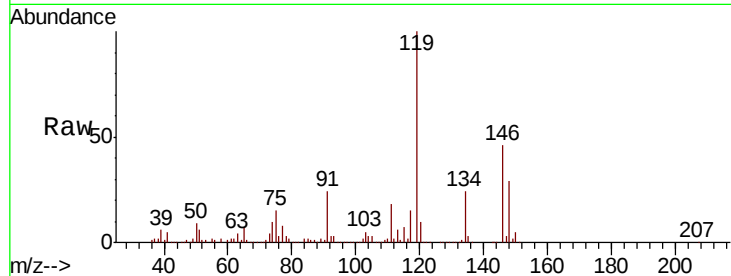
#87
 1,3-Dichlorobenzene
 Concen: 50.624 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	277245		
111	40.0	19.9	59.7	
148	64.0	32.0	96.2	

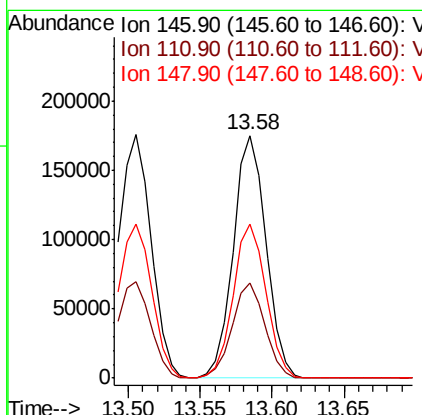
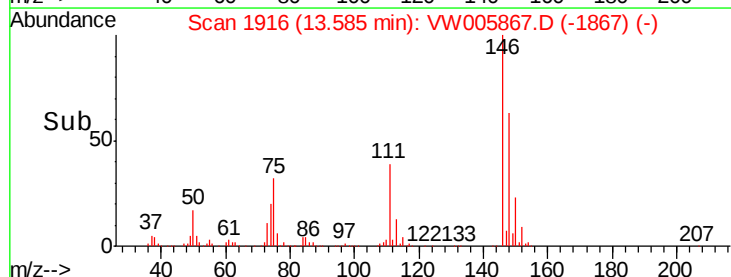
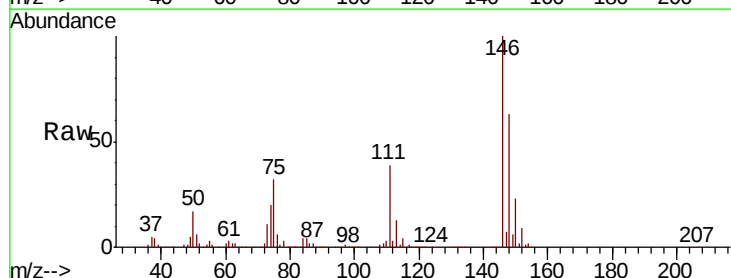
Manual Integrations
 APPROVED

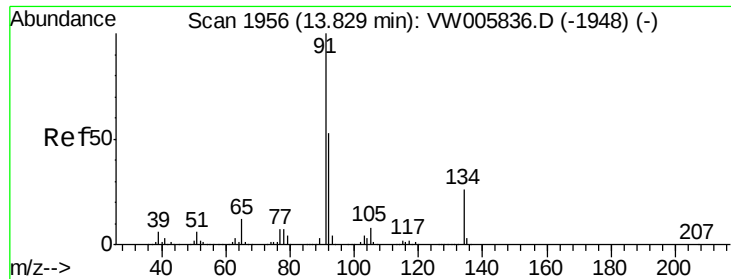
apatel
 10/5/2018 3:12:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.769 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	277409		
111	39.5	19.7	59.1	
148	63.7	32.1	96.5	





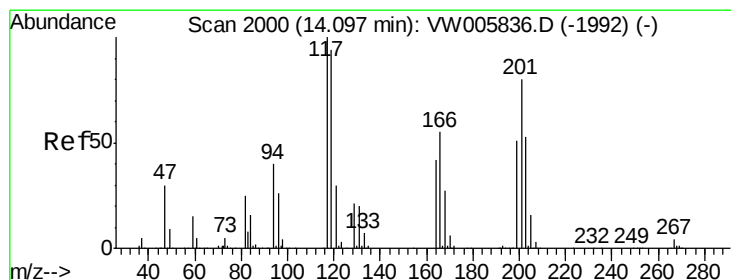
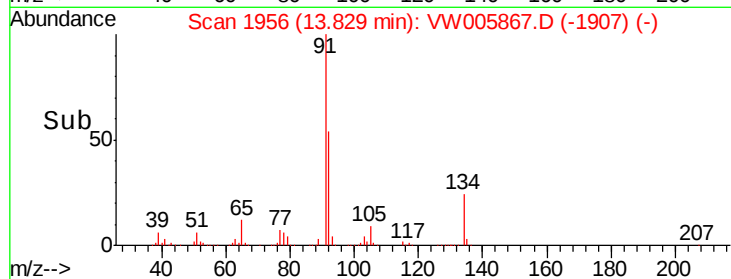
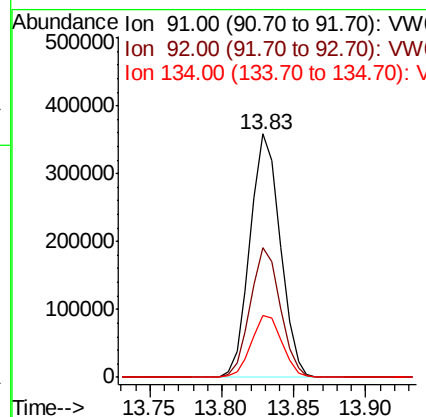
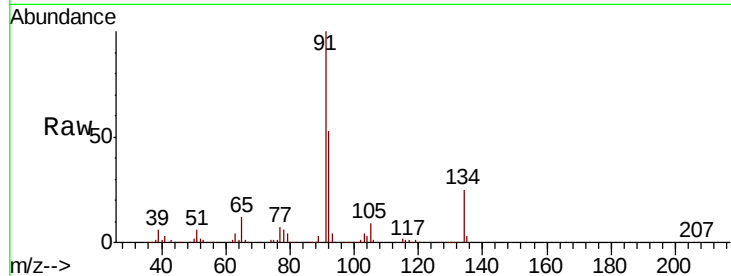
#89
n-Butylbenzene
Concen: 54.655 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.0	26.2	78.5	
134	26.0	13.1	39.1	

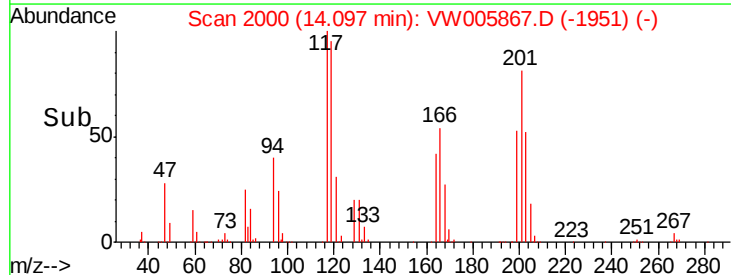
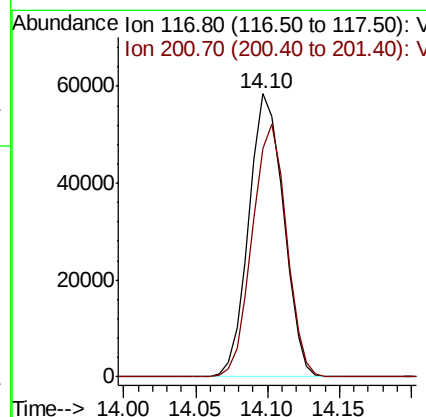
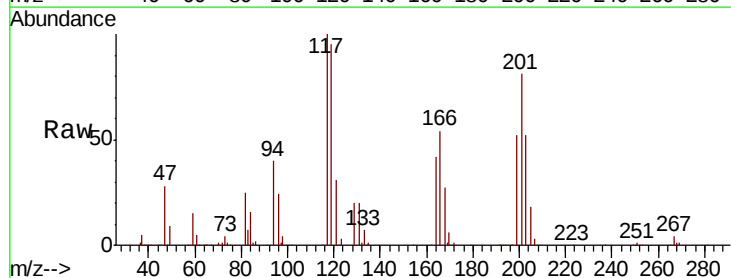
Manual Integrations
APPROVED

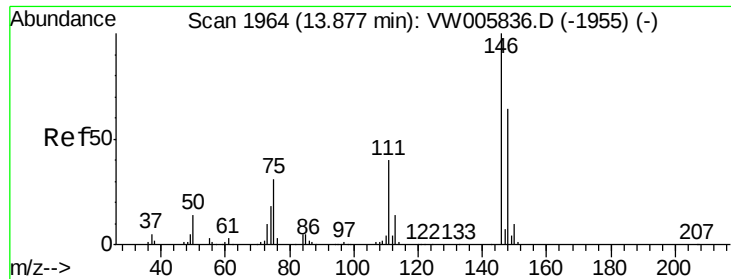
apatel
10/5/2018 3:12:47 PM



#90
Hexachloroethane
Concen: 50.424 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.5	43.7	131.1	





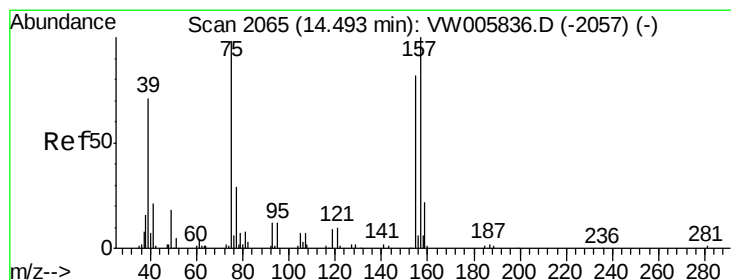
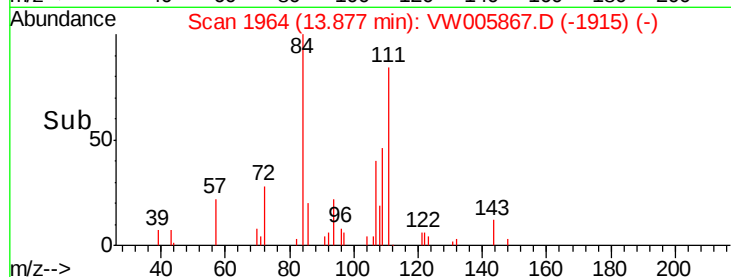
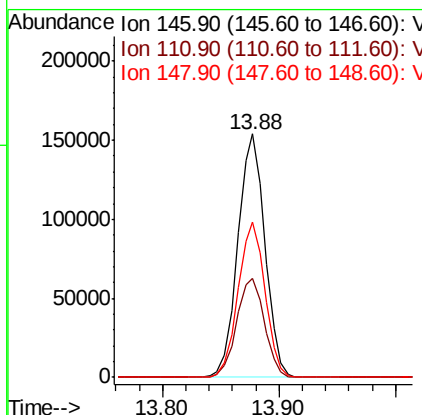
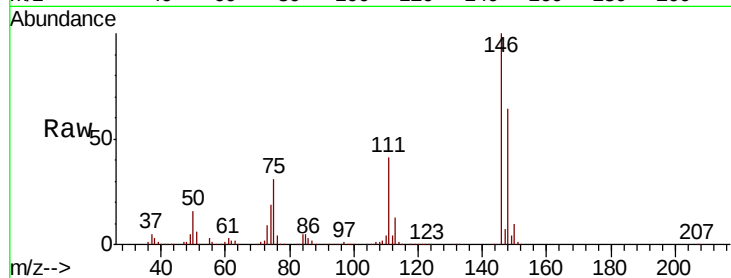
#91
 1,2-Dichlorobenzene
 Concen: 50.638 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.3
148	63.6	32.1	96.3

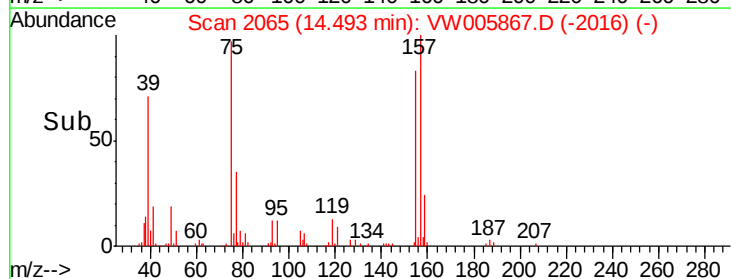
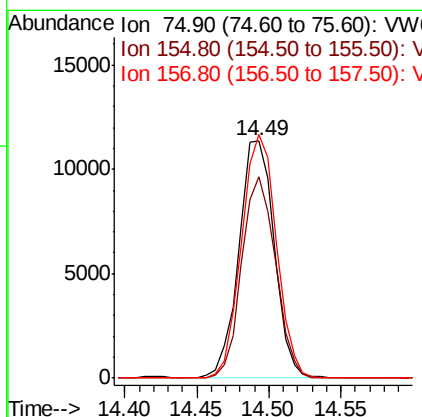
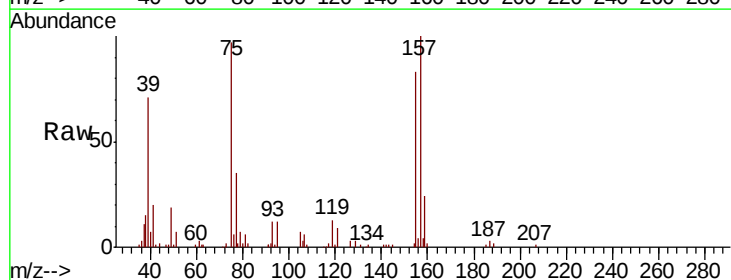
Manual Integrations
 APPROVED

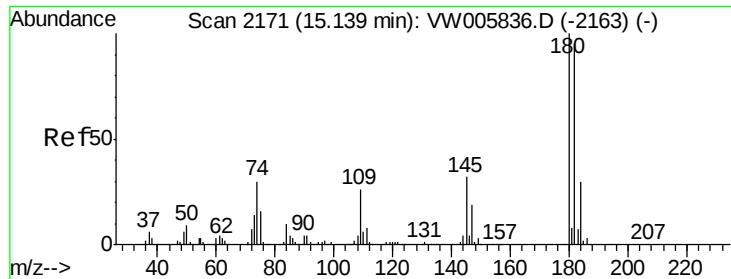
apatel
 10/5/2018 3:12:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.041 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	41.3	123.9
157	100.9	51.9	155.7





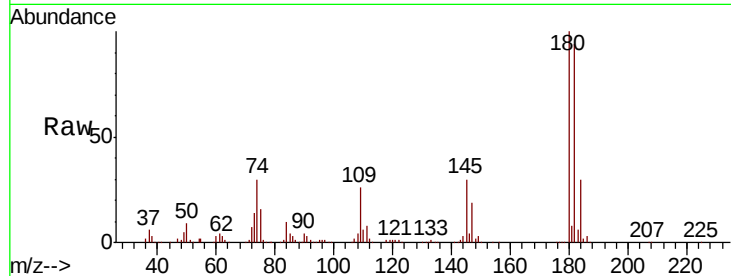
#93
 1,2,4-Trichlorobenzene
 Concen: 53.385 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	183700		
182	94.7	47.6	142.8	
145	30.1	15.0	45.0	

Manual Integrations
 APPROVED

apatel
 10/5/2018 3:12:47 PM

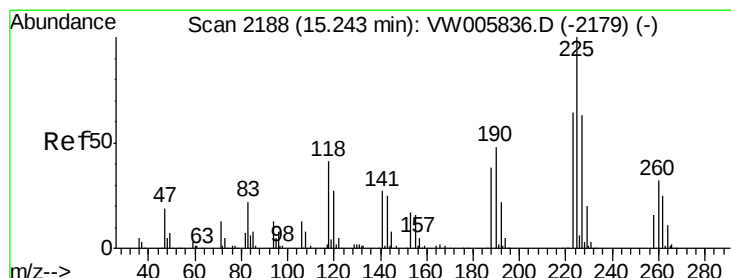
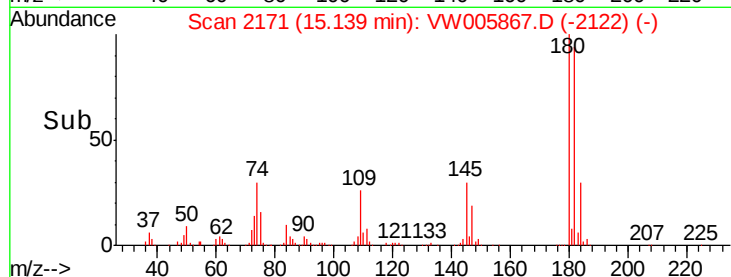
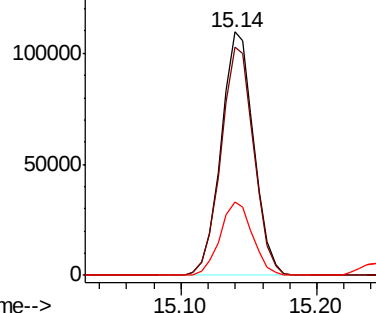


Abundance

Ion 179.80 (179.50 to 180.50): V

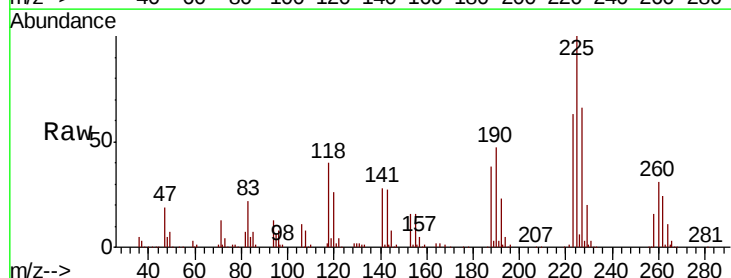
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.749 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005867.D
 Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114776		
223	62.5	31.2	93.6	
227	63.9	31.7	95.1	

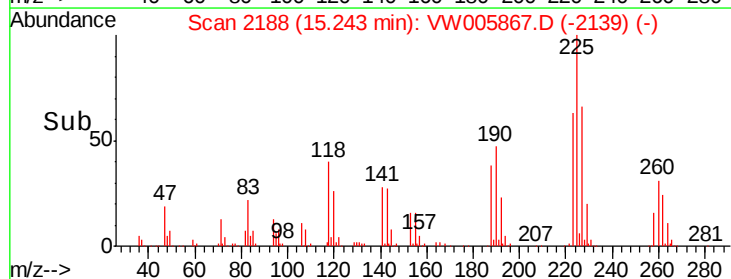
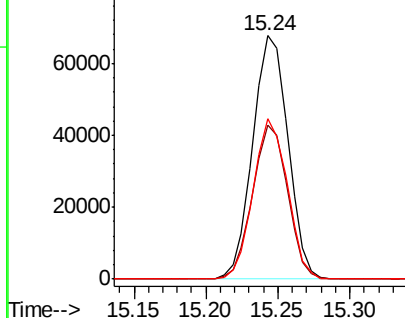


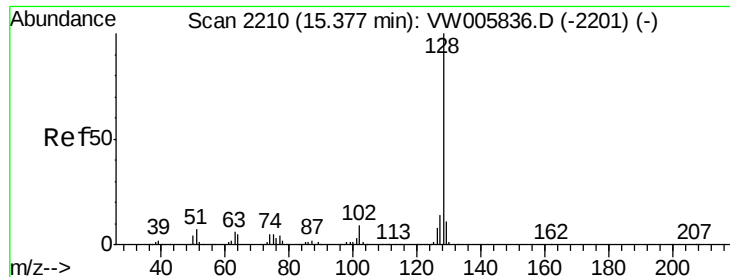
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





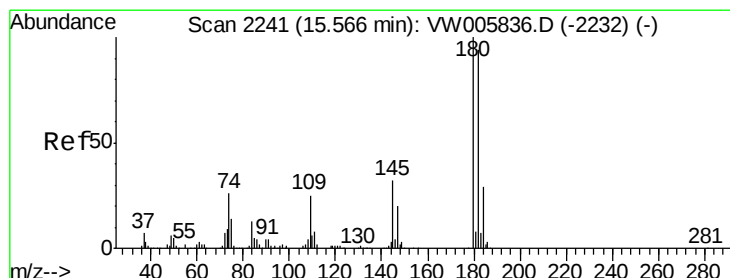
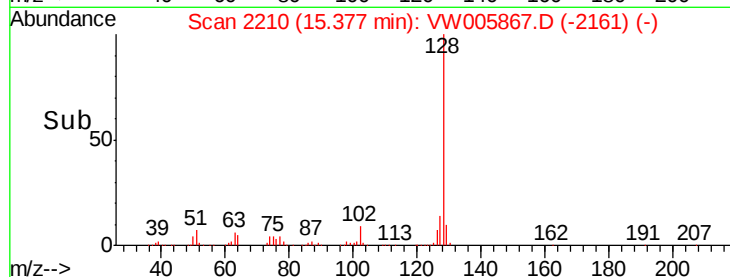
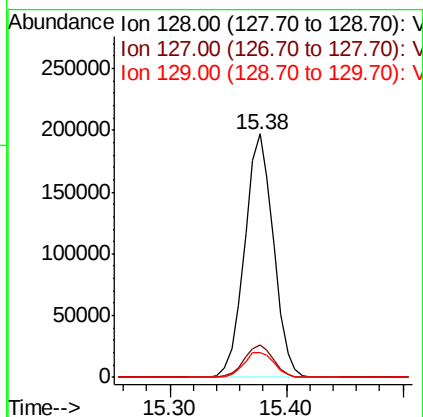
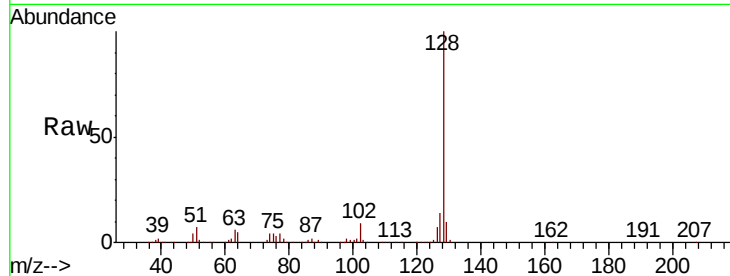
#95
Naphthalene
Concen: 51.854 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	339108		
127	13.6	10.9	16.3	
129	10.9	8.9	13.3	

Manual Integrations
APPROVED

apatel
10/5/2018 3:12:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.629 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005867.D
Acq: 04 Oct 2018 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	165909		
182	95.0	47.3	142.0	
145	31.8	16.1	48.2	

