

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003956.D
 Acq On : 16 Jul 2018 17:31
 Operator : VA/AP
 Sample : VW0716SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:31:48 AM

Quant Time: Jul 17 05:58:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	396589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	203939	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	154551	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.88	113	132763	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.33	98	526700	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.62	95	192676	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	31354	21.62	ug/l	100
3) Chloromethane	2.20	50	40689	21.32	ug/l	99
4) Vinyl Chloride	2.35	62	55134	21.00	ug/l	98
5) Bromomethane	2.76	94	34562	21.06	ug/l	98
6) Chloroethane	2.91	64	30308	20.32	ug/l	98
7) Trichlorofluoromethane	3.24	101	16408	14.89	ug/l	90
8) Diethyl Ether	3.67	74	26783	20.94	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	51143	20.11	ug/l	99
10) Methyl Iodide	4.26	142	70659	19.35	ug/l	99
11) Tert butyl alcohol	5.20	59	19859	99.67	ug/l	97
12) 1,1-Dichloroethene	4.03	96	51219	20.41	ug/l	97
13) Acrolein	3.89	56	21380	104.44	ug/l	92
14) Allyl chloride	4.65	41	72001	17.38	ug/l	99
15) Acrylonitrile	5.37	53	68056	103.82	ug/l	100
16) Acetone	4.12	43	63870	92.09	ug/l	96
17) Carbon Disulfide	4.37	76	155950	19.91	ug/l	99
18) Methyl Acetate	4.67	43	33681	20.23	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	99495	20.69	ug/l	100
20) Methylene Chloride	4.91	84	66168	16.31	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	55293	20.10	ug/l	92
22) Diisopropyl ether	6.32	45	174788	20.88	ug/l	96
23) Vinyl Acetate	6.26	43	572157	107.87	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103532	20.27	ug/l	98
25) 2-Butanone	7.18	43	101568	108.83	ug/l	95
26) 2,2-Dichloropropane	7.17	77	56037	19.11	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59878	20.14	ug/l	99
28) Bromochloromethane	7.51	49	46609	22.30	ug/l	99
29) Tetrahydrofuran	7.54	42	63035	108.43	ug/l	100
30) Chloroform	7.67	83	104701	20.61	ug/l	99
31) Cyclohexane	7.95	56	93766	19.58	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	77877	19.63	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84969	19.90	ug/l	99
37) Ethyl Acetate	7.26	43	43684	21.21	ug/l	100
38) Carbon Tetrachloride	8.07	117	75923	19.03	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003956.D
 Acq On : 16 Jul 2018 17:31
 Operator : VA/AP
 Sample : VW0716SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:31:48 AM

Quant Time: Jul 17 05:58:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95655	19.13	ug/l	96
40) Benzene	8.32	78	235773	19.90	ug/l	100
41) Methacrylonitrile	7.49	41	24445	21.42	ug/l	93
42) 1,2-Dichloroethane	8.40	62	74760	20.69	ug/l	99
43) Isopropyl Acetate	8.43	43	81978	21.28	ug/l	99
44) Trichloroethene	9.09	130	59658	19.43	ug/l	97
45) 1,2-Dichloropropane	9.37	63	61040	20.19	ug/l	99
46) Dibromomethane	9.46	93	32478	20.70	ug/l	99
47) Bromodichloromethane	9.65	83	78917	20.40	ug/l	96
48) Methyl methacrylate	9.44	41	39780	21.35	ug/l	98
49) 1,4-Dioxane	9.46	88	10413	431.78	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	221611	107.99	ug/l	100
52) Toluene	10.39	92	147191	20.09	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	82627	20.43	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	91203	19.71	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45376	20.56	ug/l	95
56) Ethyl methacrylate	10.65	69	58983	20.53	ug/l	96
57) 1,3-Dichloropropane	10.94	76	80061	20.88	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	147272	112.51	ug/l	100
59) 2-Hexanone	10.98	43	154618	106.90	ug/l	99
60) Dibromochloromethane	11.13	129	52028	20.25	ug/l	98
61) 1,2-Dibromoethane	11.24	107	45002	21.43	ug/l	99
64) Tetrachloroethene	10.87	164	52579	19.32	ug/l	98
65) Chlorobenzene	11.66	112	164762	19.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	56085	19.14	ug/l	99
67) Ethyl Benzene	11.74	91	286663	19.35	ug/l	98
68) m/p-Xylenes	11.85	106	218828	38.65	ug/l	99
69) o-Xylene	12.17	106	103855	19.77	ug/l	98
70) Styrene	12.19	104	173649	19.79	ug/l	99
71) Bromoform	12.35	173	32771	19.81	ug/l #	99
73) Isopropylbenzene	12.47	105	280230	19.45	ug/l	100
74) N-amyl acetate	12.28	43	78020	20.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	57091	20.49	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	45876m	22.66	ug/l	
77) Bromobenzene	12.75	156	67073	19.45	ug/l	99
78) n-propylbenzene	12.81	91	346953	19.62	ug/l	100
79) 2-Chlorotoluene	12.90	91	199414	20.00	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	238795	19.69	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	18303	20.00	ug/l	98
82) 4-Chlorotoluene	12.99	91	210000	19.62	ug/l	99
83) tert-Butylbenzene	13.21	119	201440	19.78	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244491	19.60	ug/l	98
85) sec-Butylbenzene	13.39	105	300189	19.87	ug/l	99
86) p-Isopropyltoluene	13.51	119	260579	19.66	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	134414	19.52	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	134874	19.53	ug/l	99
89) n-Butylbenzene	13.83	91	254419	19.53	ug/l	100
90) Hexachloroethane	14.10	117	46267	18.94	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	121416	19.79	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10565	21.32	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
Data File : VW003956.D
Acq On : 16 Jul 2018 17:31
Operator : VA/AP
Sample : VW0716SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM

Quant Time: Jul 17 05:58:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	89455	20.76	ug/l	97
94) Hexachlorobutadiene	15.25	225	47843	19.33	ug/l	100
95) Naphthalene	15.38	128	178119	22.39	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	79278	20.78	ug/l	99

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

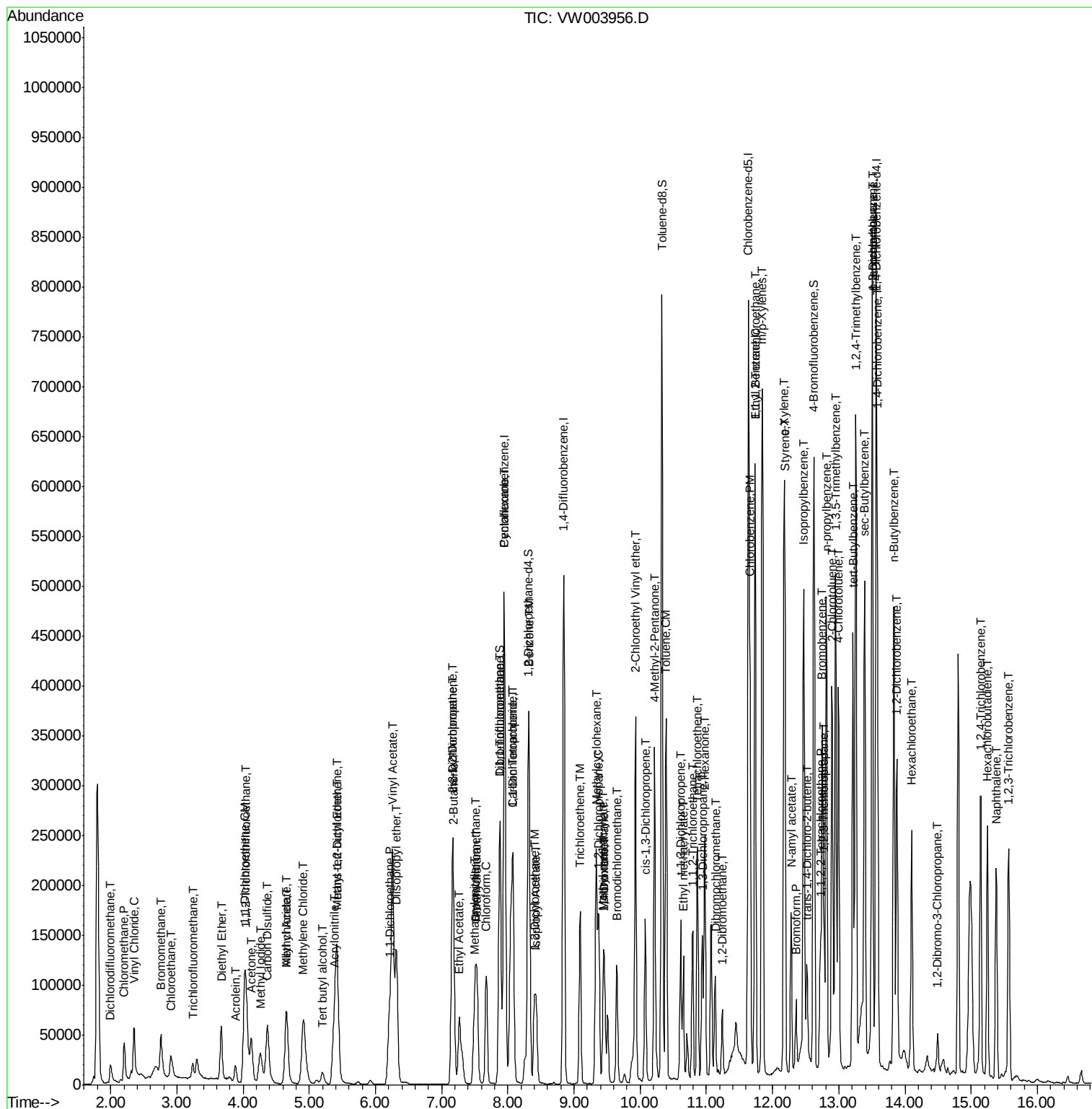
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071618\
Data File : VW003956.D
Acq On : 16 Jul 2018 17:31
Operator : VA/AP
Sample : VW0716SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

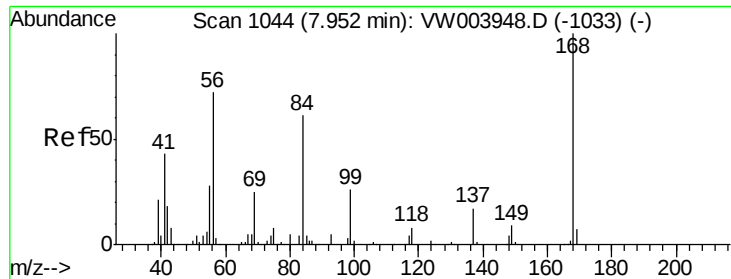
Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM

Quant Time: Jul 17 05:58:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBS01

Tot Ion:168 Resp: 258200

Ion Ratio Lower Upper

168 100

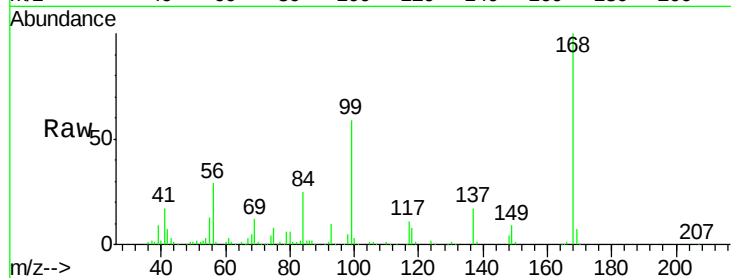
99 59.2 43.8 65.6

Manual Integrations

APPROVED

apatel

7/17/2018 10:31:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

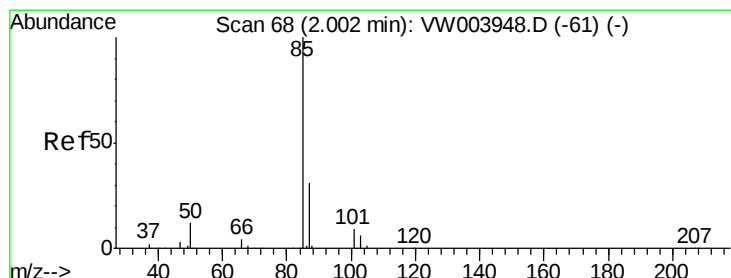
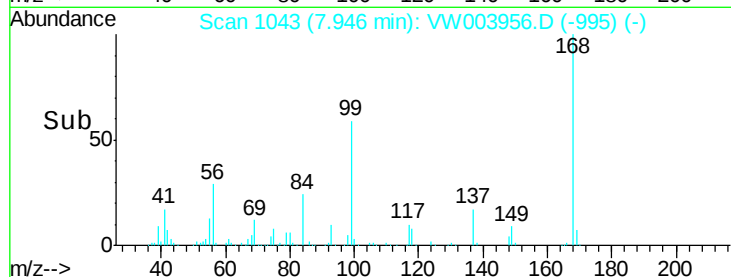
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.62 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW003956.D

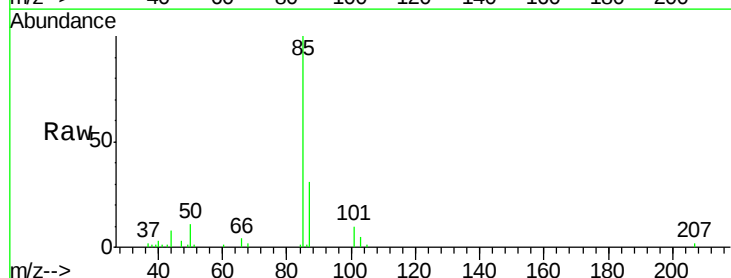
Acq: 16 Jul 2018 17:31

Tgt Ion: 85 Resp: 31354

Ion Ratio Lower Upper

85 100

87 30.7 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

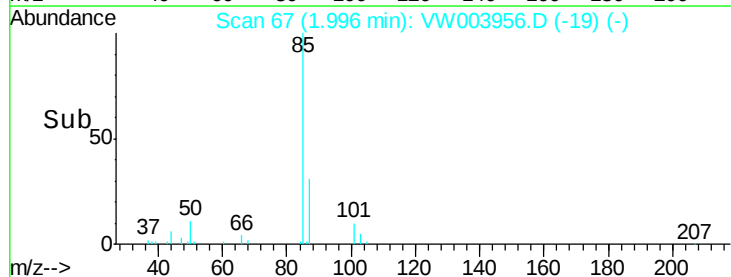
6000

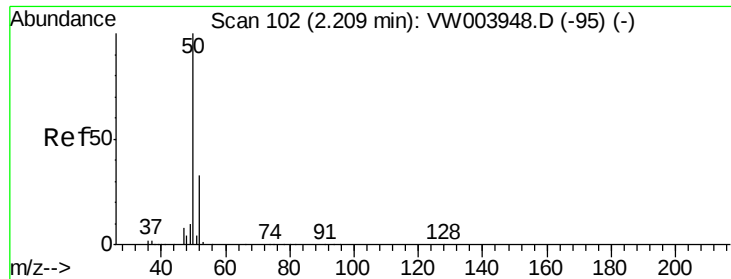
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.32 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBS01

Tot Ion: 50 Resp: 40689

Ion Ratio Lower Upper

50 100

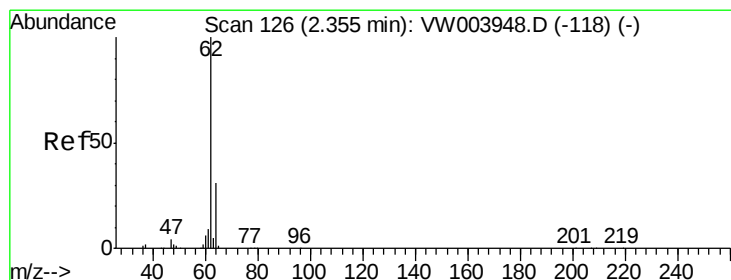
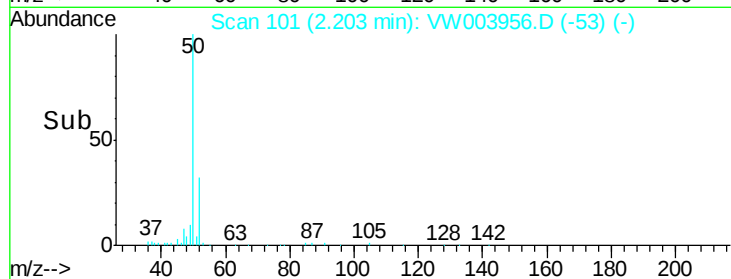
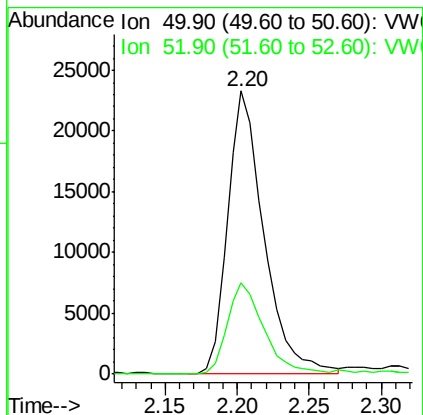
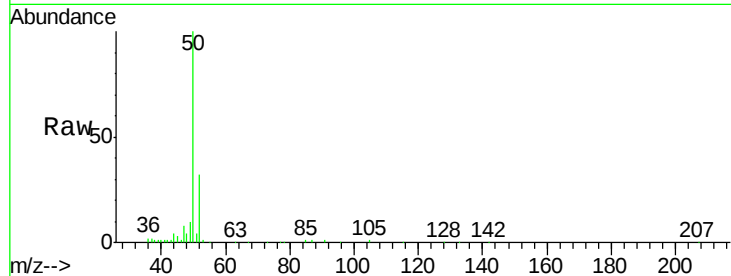
52 32.4 26.3 39.5

Manual Integrations

APPROVED

apatel

7/17/2018 10:31:48 AM



#4

Vinyl Chloride

Concen: 21.00 ug/l

RT: 2.35 min Scan# 125

Delta R.T. -0.01 min

Lab File: VW003956.D

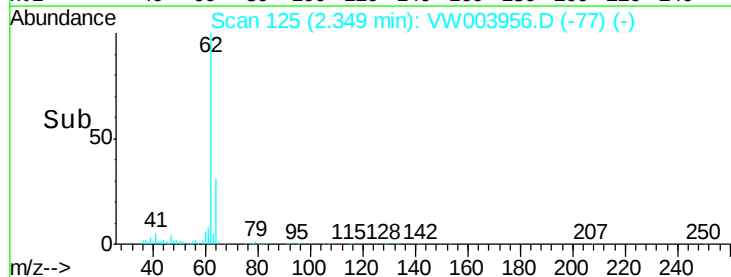
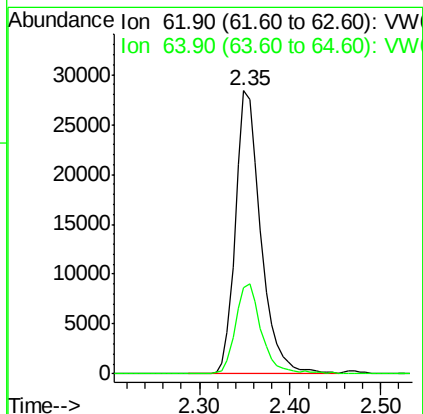
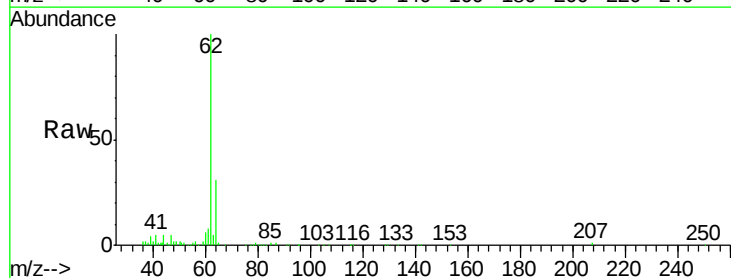
Acq: 16 Jul 2018 17:31

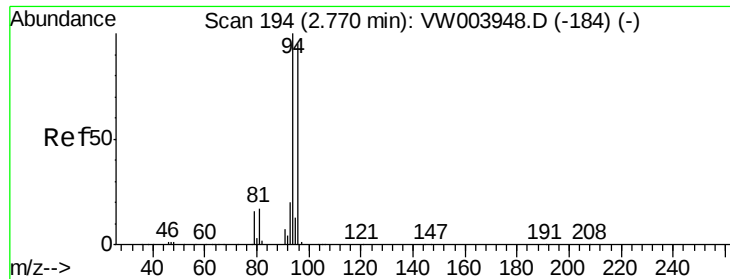
Tgt Ion: 62 Resp: 55134

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.6





#5

Bromomethane

Concen: 21.06 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBS01

Tot Ion: 94 Resp: 34562

Ion Ratio Lower Upper

94 100

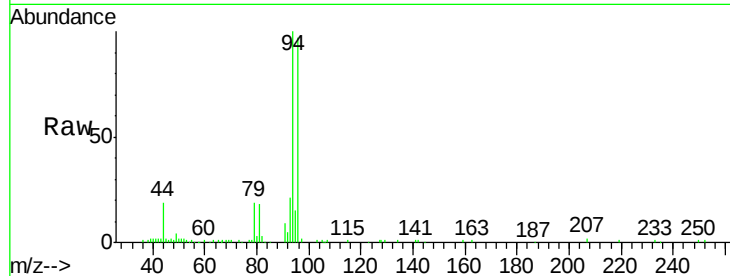
96 96.5 75.8 113.6

Manual Integrations

APPROVED

apatel

7/17/2018 10:31:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

15000

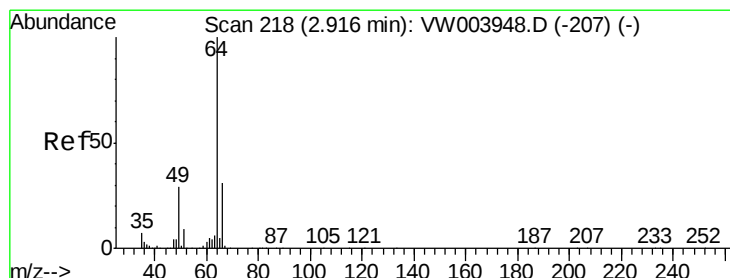
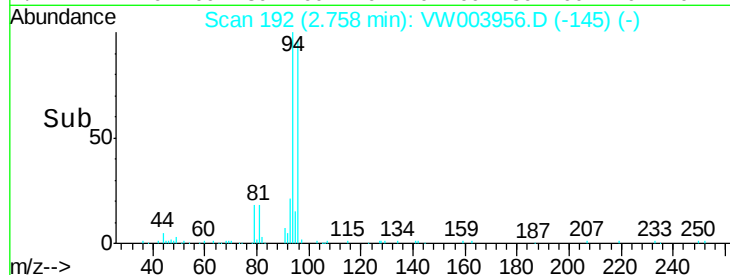
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 20.32 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW003956.D

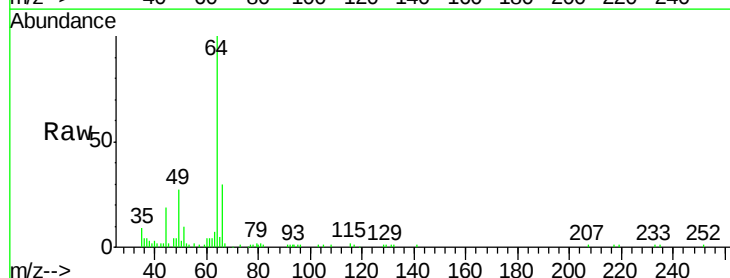
Acq: 16 Jul 2018 17:31

Tgt Ion: 64 Resp: 30308

Ion Ratio Lower Upper

64 100

66 29.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

12000

10000

8000

6000

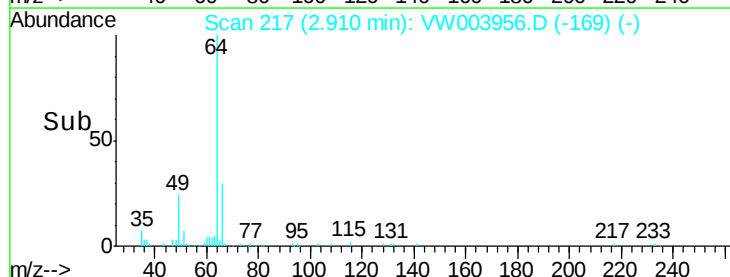
4000

2000

0

Time-->

2.80 2.90 3.00





#7

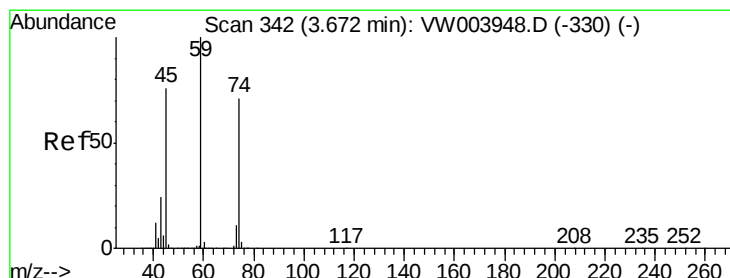
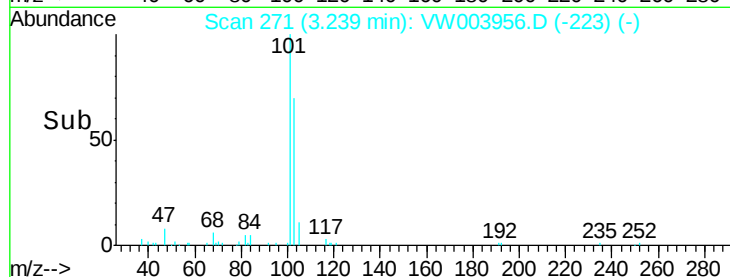
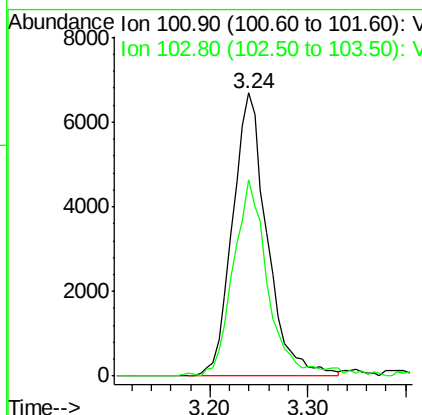
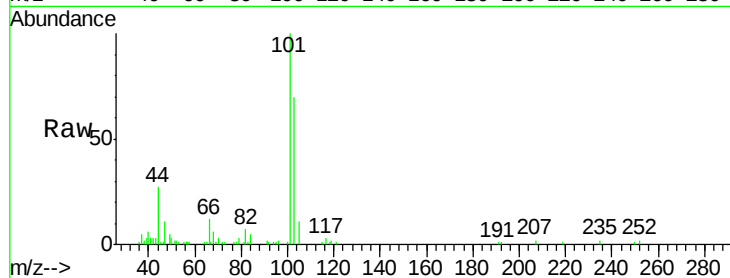
Trichlorofluoromethane
 Concen: 14.89 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.7	49.0	73.6

Manual Integrations
 APPROVED

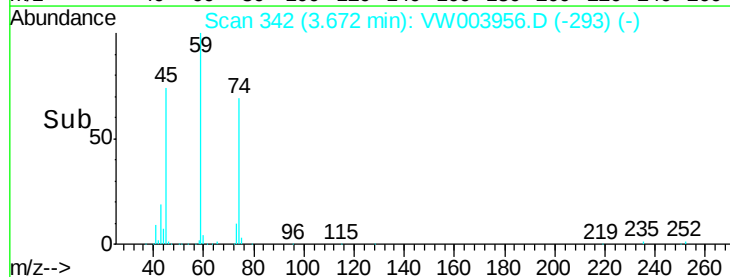
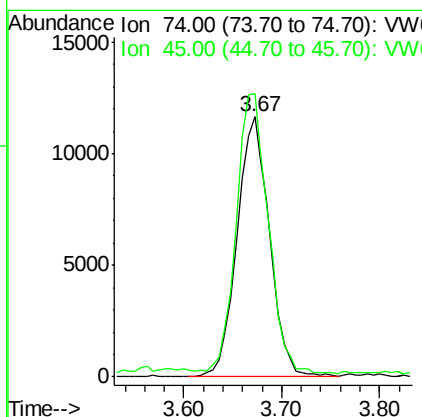
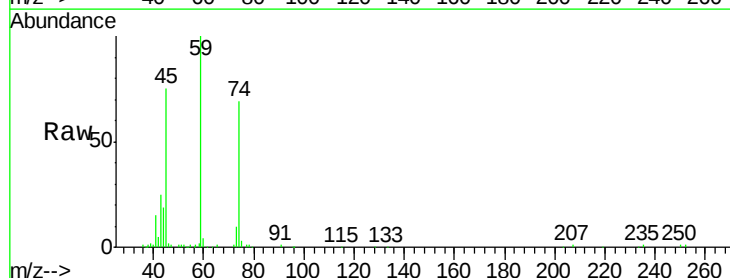
apatel
 7/17/2018 10:31:48 AM

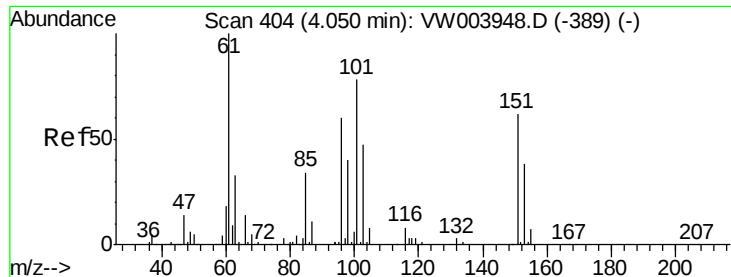


#8

Diethyl Ether
 Concen: 20.94 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.11 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

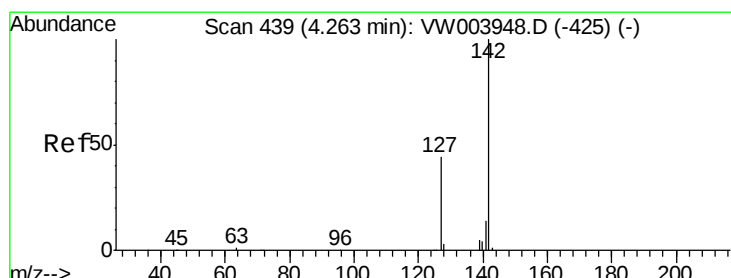
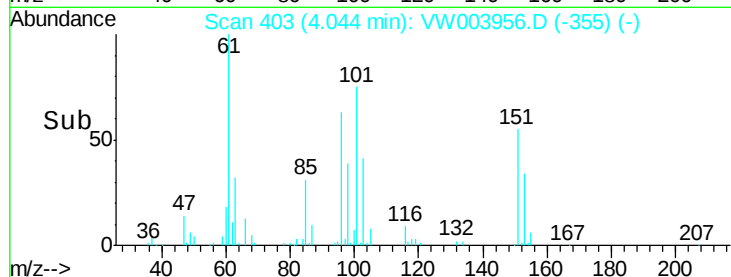
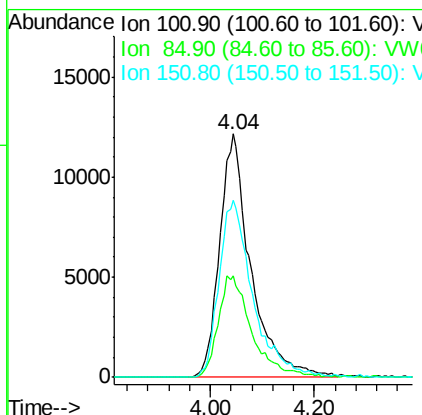
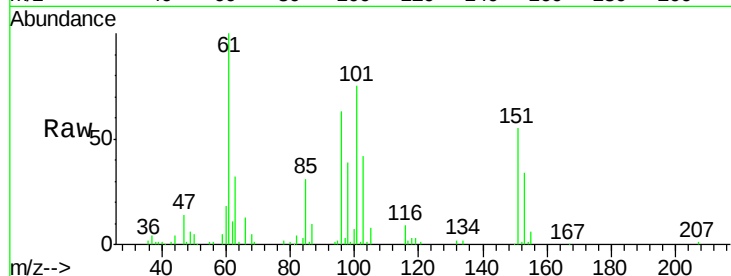
ClientSampleId :

VW0716SBS01

Tot Ion:	101	Resp:	51143
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.8	53.6
151	78.5	63.6	95.4

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



#10

Methyl Iodide

Concen: 19.35 ug/l

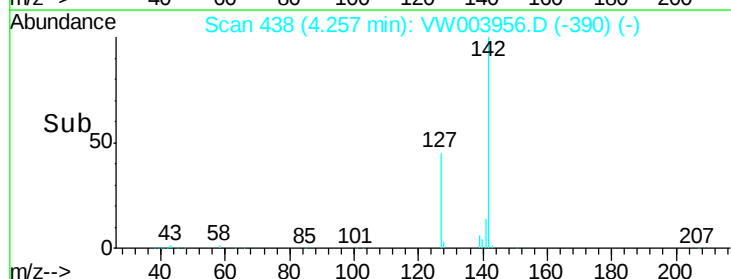
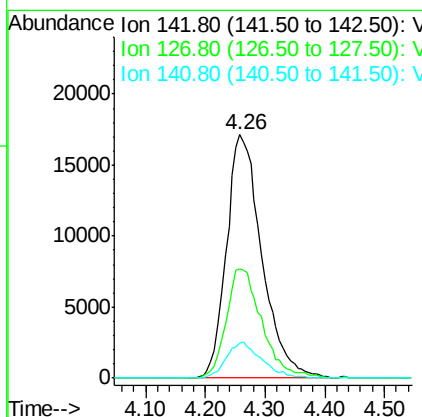
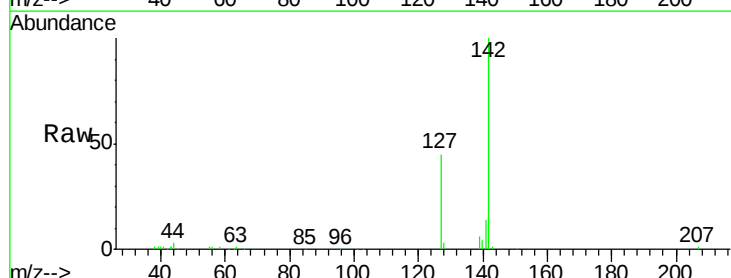
RT: 4.26 min Scan# 438

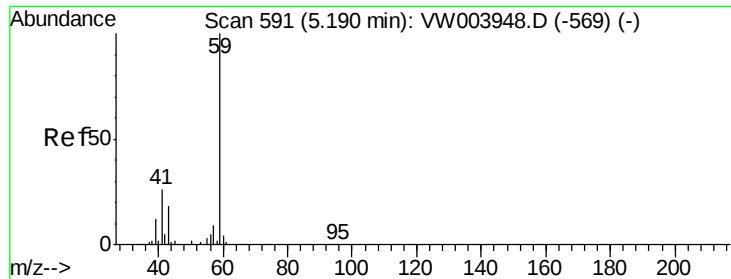
Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:	142	Resp:	70659
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.4	53.2
141	14.8	11.7	17.5





#11

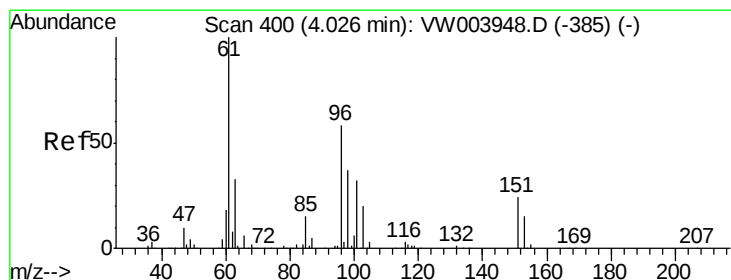
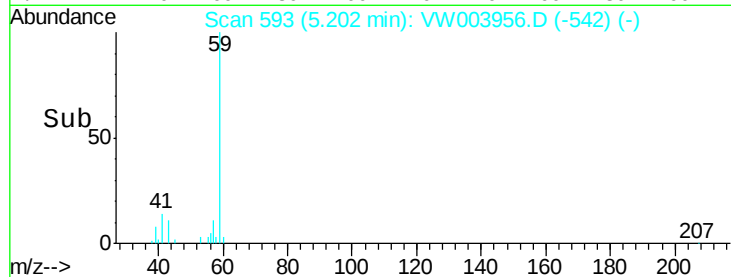
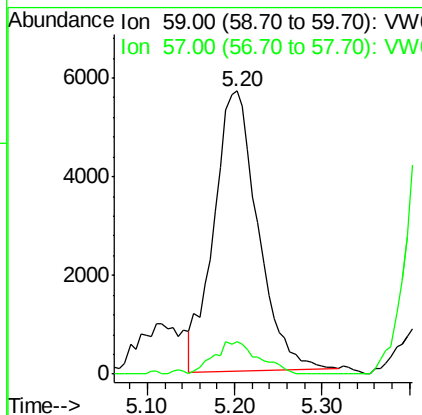
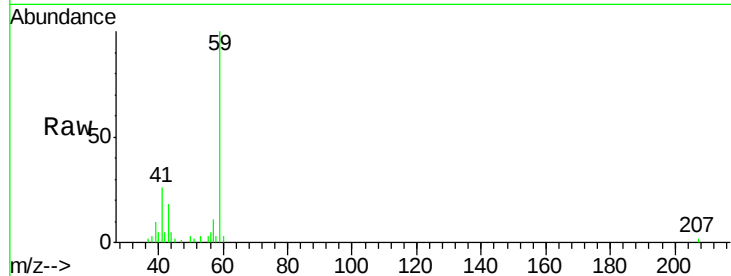
Tert butyl alcohol
 Concen: 99.67 ug/l
 RT: 5.20 min Scan# 593
 Delta R.T. 0.01 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion: 59 Resp: 19859
 Ion Ratio Lower Upper
 59 100
 57 11.9 8.5 12.7

Manual Integrations
 APPROVED

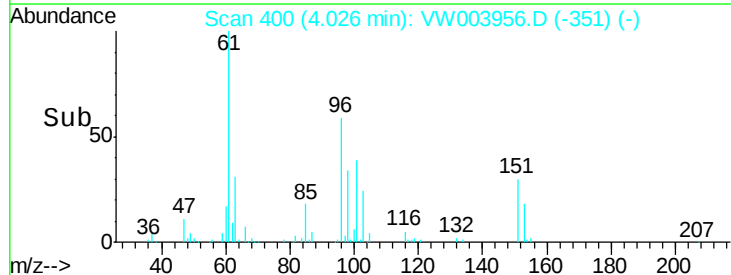
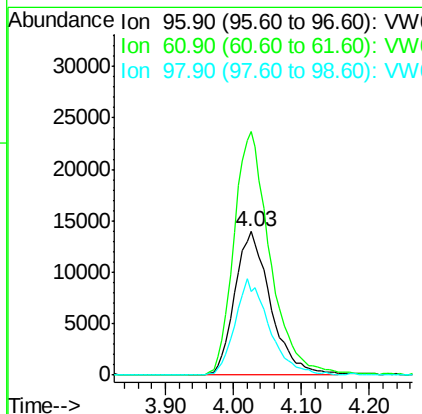
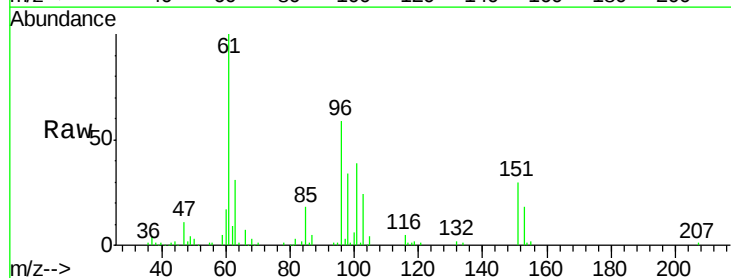
apatel
 7/17/2018 10:31:48 AM

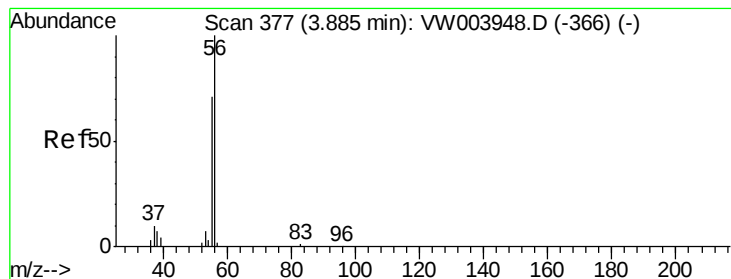


#12

1,1-Dichloroethene
 Concen: 20.41 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 96 Resp: 51219
 Ion Ratio Lower Upper
 96 100
 61 169.5 137.0 205.6
 98 57.8 50.2 75.4





#13

Acrolein

Concen: 104.44 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBS01

Tot Ion: 56 Resp: 21380

Ion Ratio Lower Upper

56 100

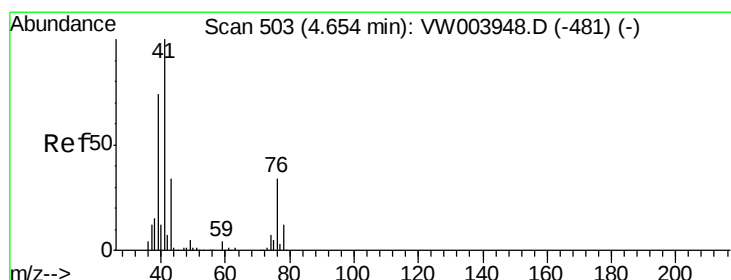
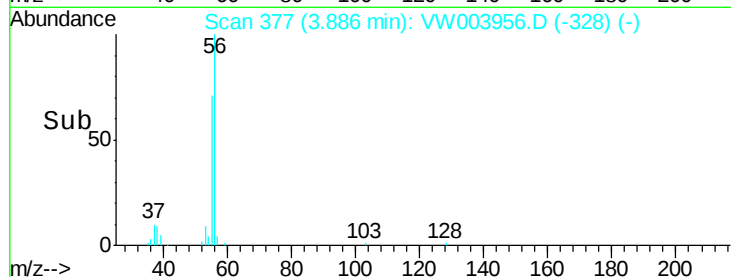
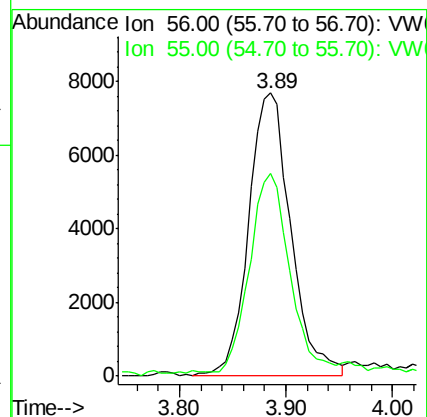
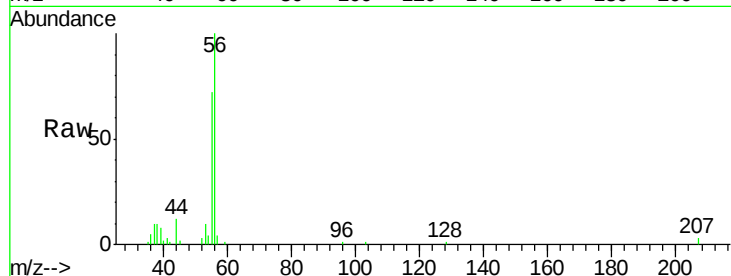
55 66.3 58.2 87.4

Manual Integrations

APPROVED

apatel

7/17/2018 10:31:48 AM



#14

Allyl chloride

Concen: 17.38 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

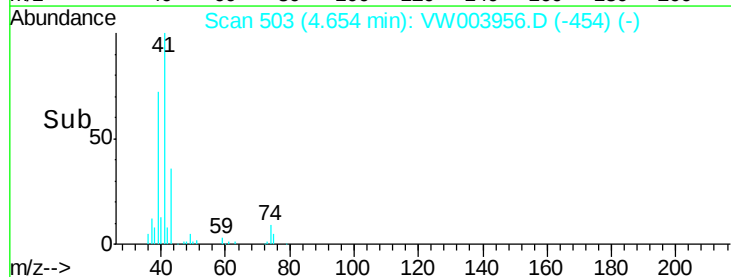
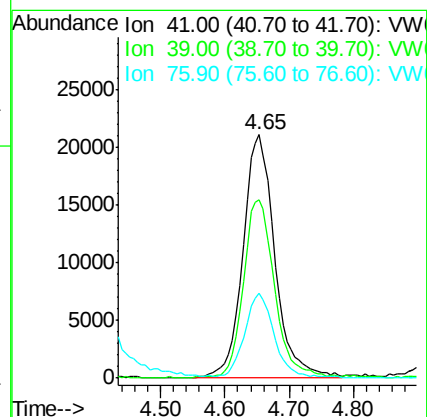
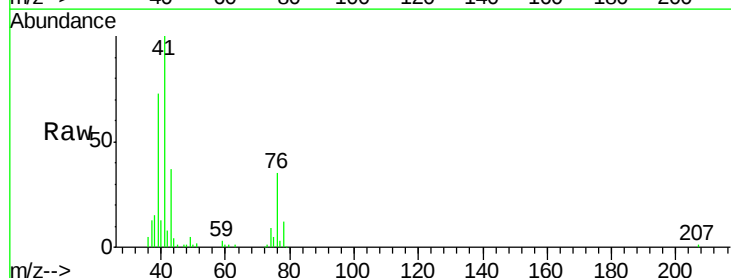
Tgt Ion: 41 Resp: 72001

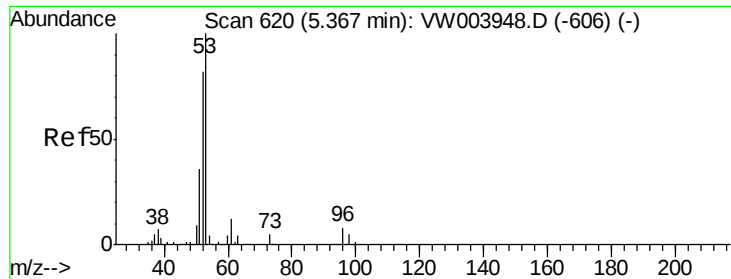
Ion Ratio Lower Upper

41 100

39 70.7 57.0 85.4

76 32.4 26.5 39.7





#15

Acrylonitrile

Concen: 103.82 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

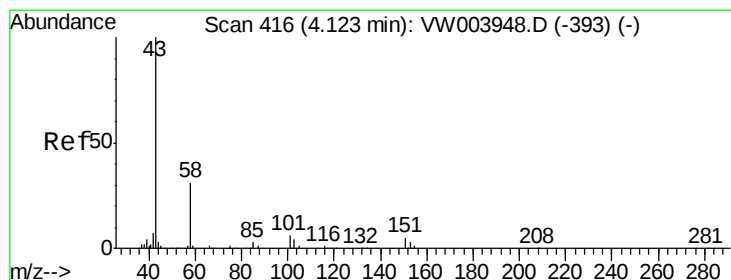
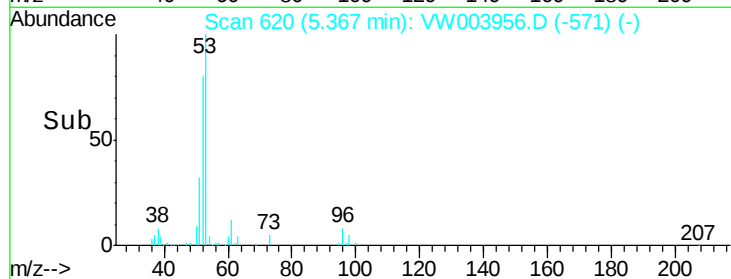
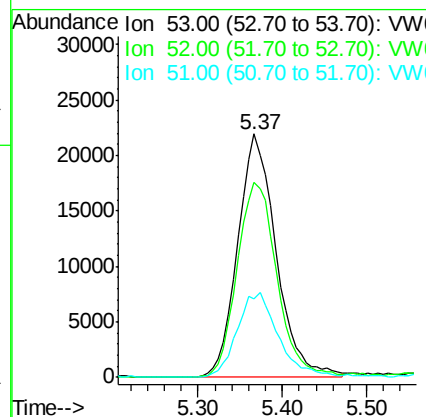
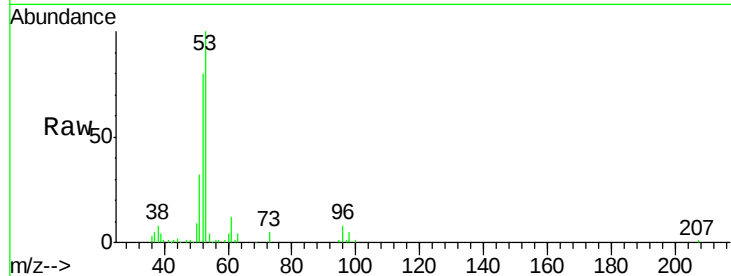
ClientSampleId :

VW0716SBS01

Tot Ion:	53	Resp:	68056
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.1	99.1
51	37.2	29.8	44.6

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



#16

Acetone

Concen: 92.09 ug/l

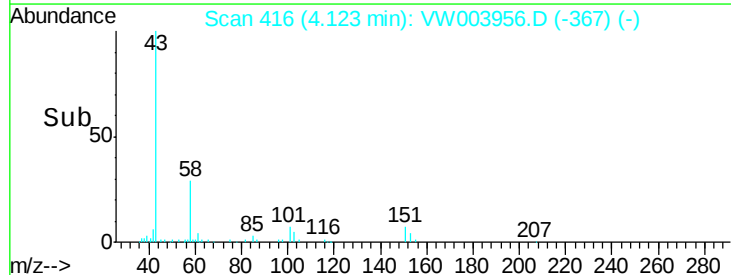
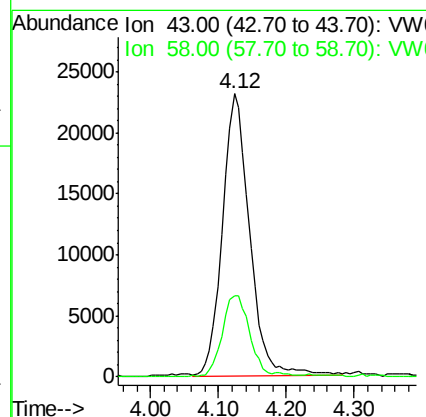
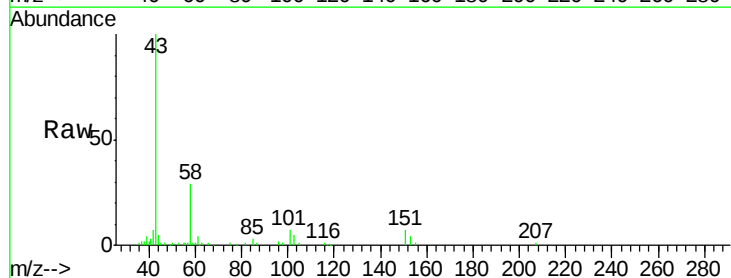
RT: 4.12 min Scan# 416

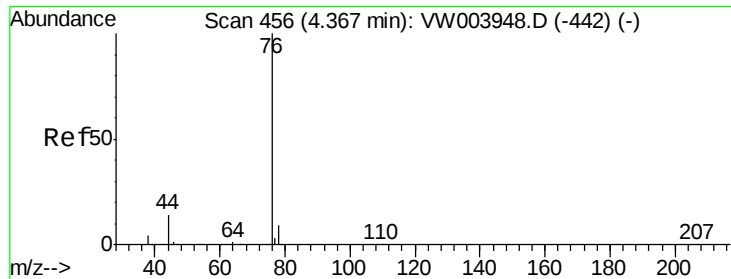
Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:	43	Resp:	63870
Ion Ratio		Lower	Upper
43	100		
58	28.5	24.5	36.7





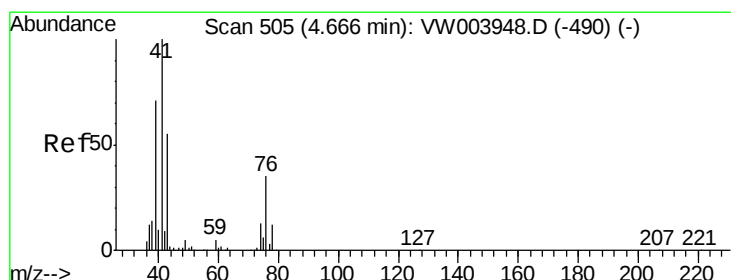
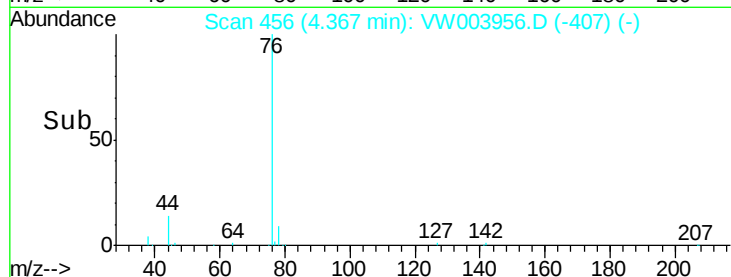
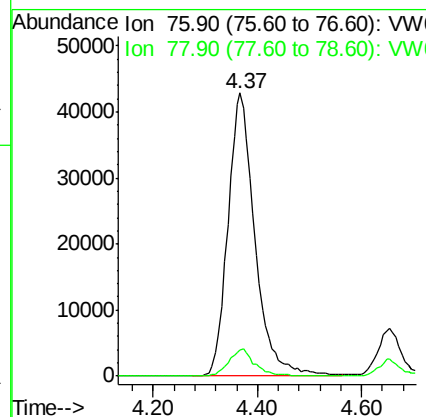
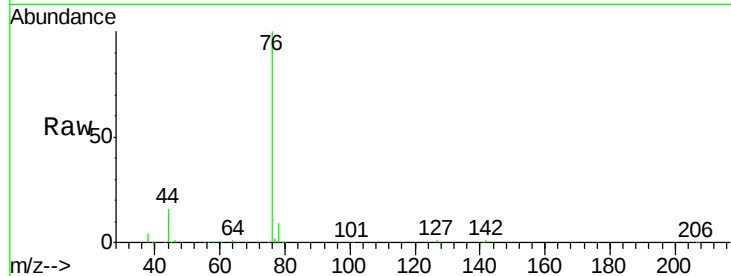
#17
Carbon Disulfide
Concen: 19.91 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

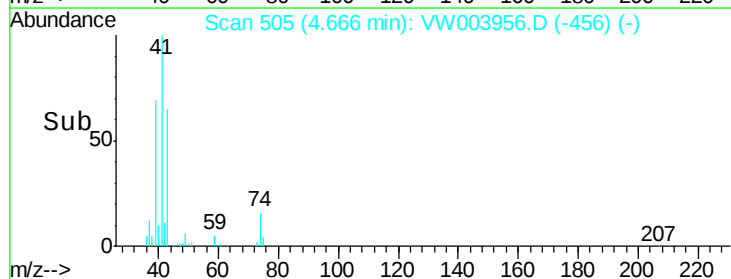
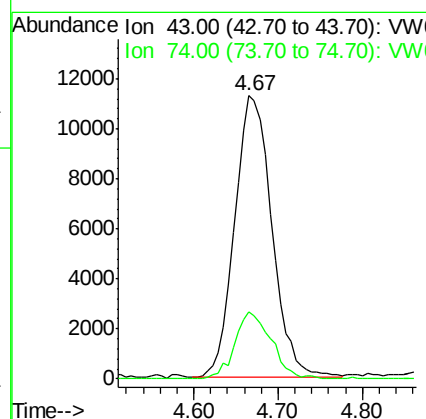
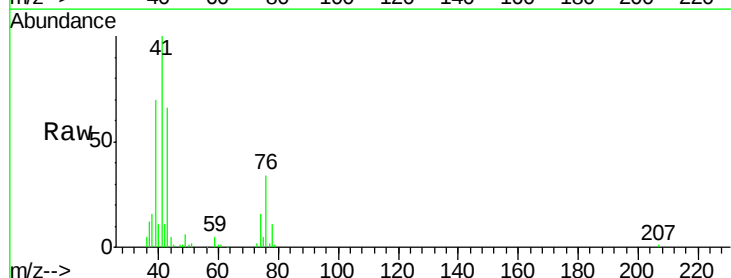
Manual Integrations
APPROVED

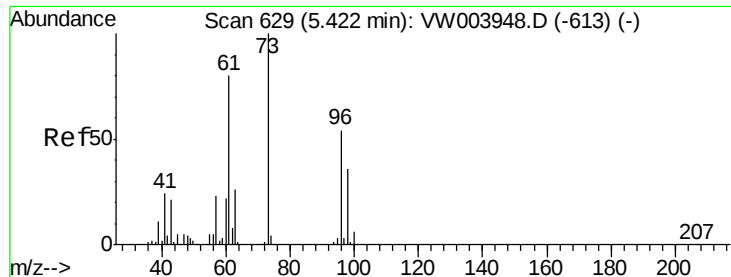
apatel
7/17/2018 10:31:48 AM



#18
Methyl Acetate
Concen: 20.23 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5





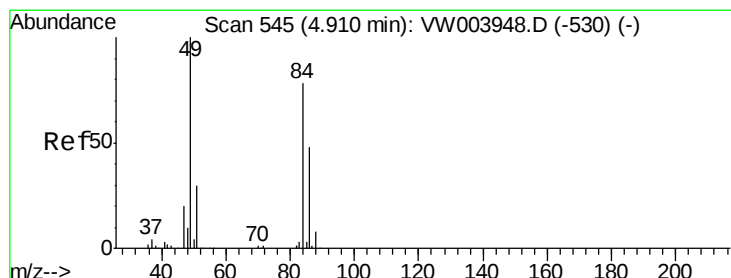
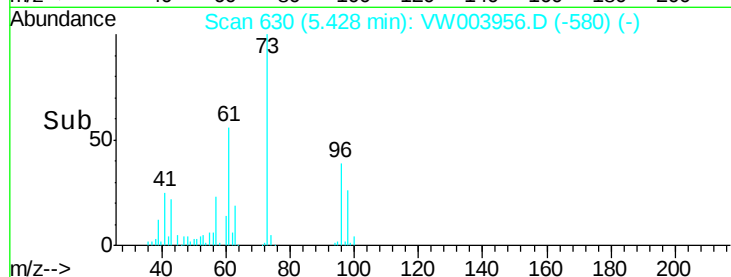
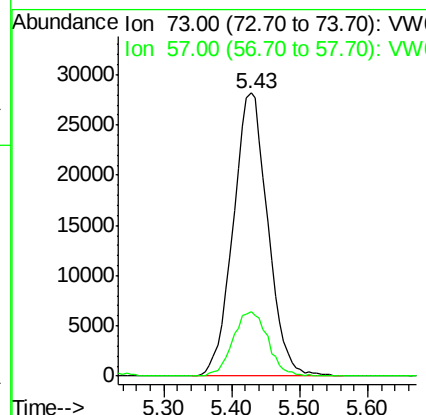
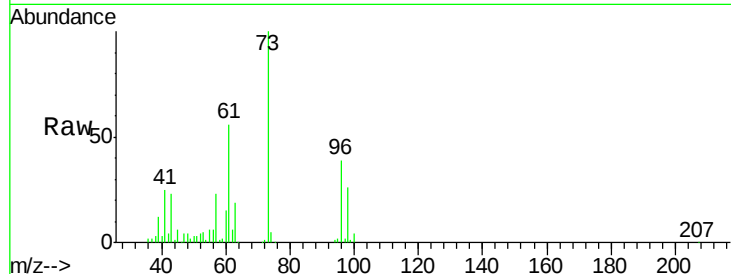
#19
Methvl tert-butvl Ether
Concen: 20.69 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion: 73 Resp: 99495
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4

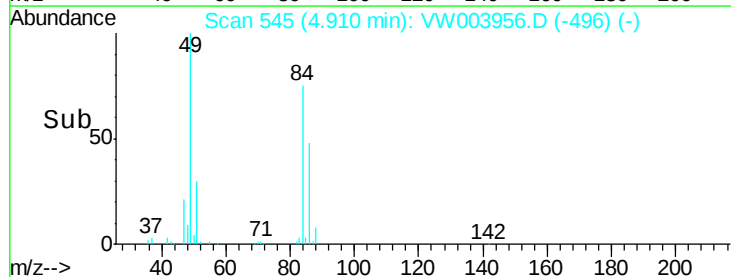
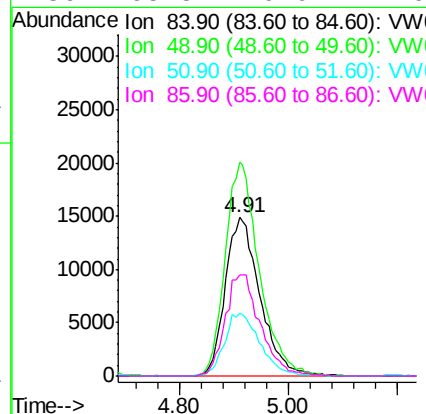
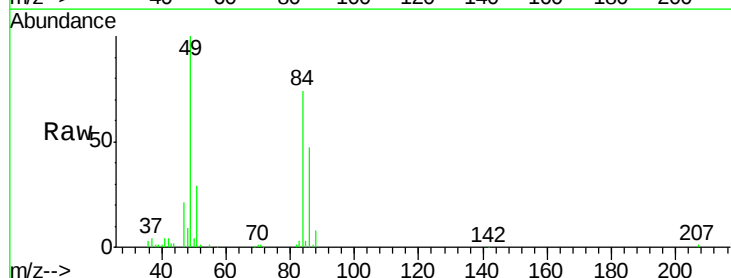
Manual Integrations
APPROVED

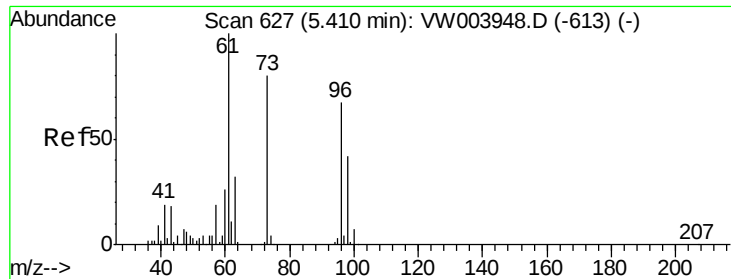
apatel
7/17/2018 10:31:48 AM



#20
Methylene Chloride
Concen: 16.31 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 84 Resp: 66168
Ion Ratio Lower Upper
84 100
49 134.7 102.9 154.3
51 39.5 30.9 46.3
86 63.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.10 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

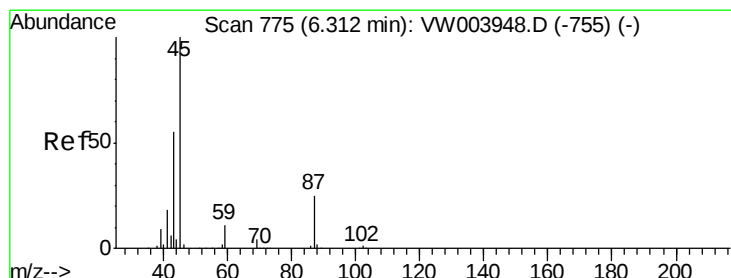
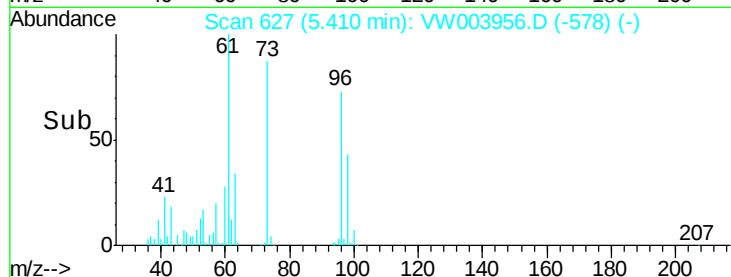
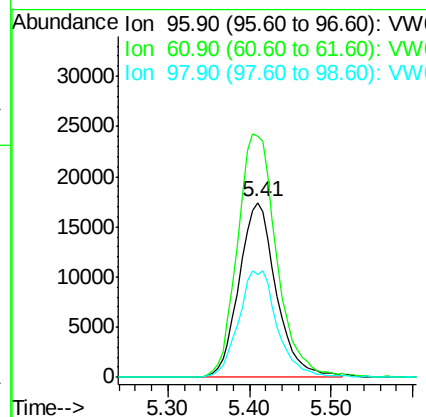
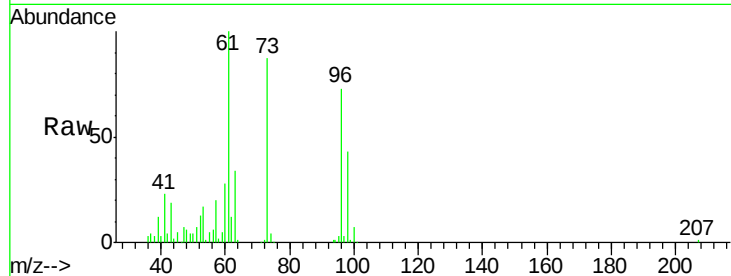
ClientSampleId :

VW0716SBS01

Tot Ion:	96	Resp:	55293
Ion	Ratio	Lower	Upper
96	100		
61	137.6	119.0	178.4
98	58.8	49.9	74.9

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



#22

Diisopropyl ether

Concen: 20.88 ug/l

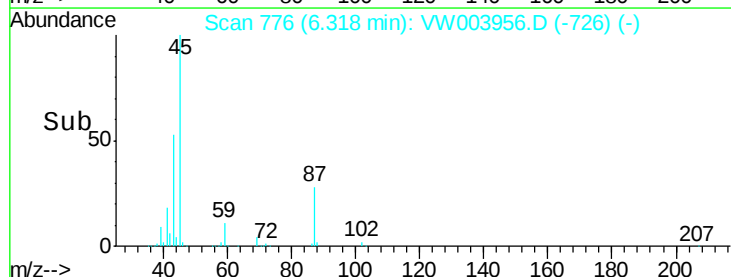
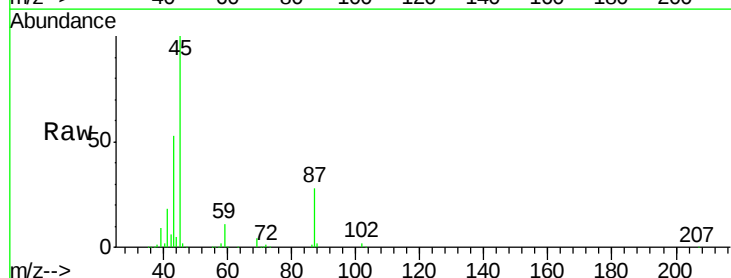
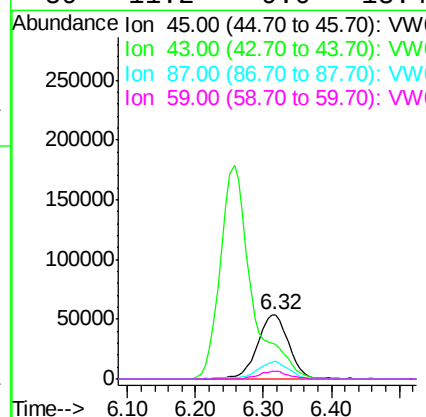
RT: 6.32 min Scan# 776

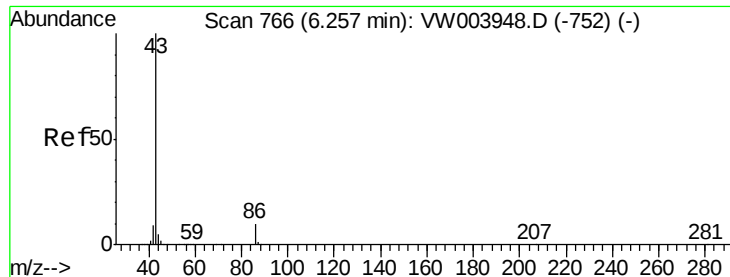
Delta R.T. 0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:	45	Resp:	174788
Ion	Ratio	Lower	Upper
45	100		
43	52.4	44.3	66.5
87	27.3	20.2	30.4
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 107.87 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBS01

Tot Ion: 43 Resp: 572157

Ion Ratio Lower Upper

43 100

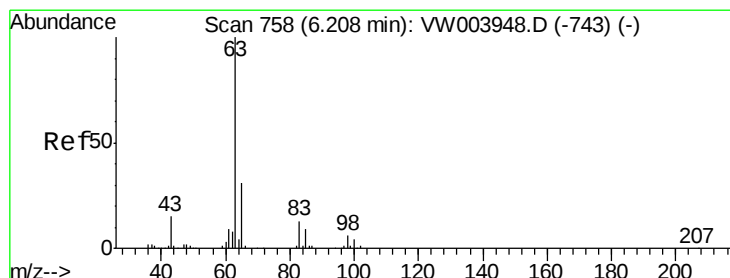
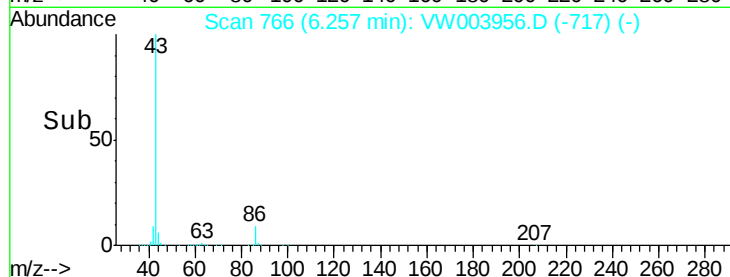
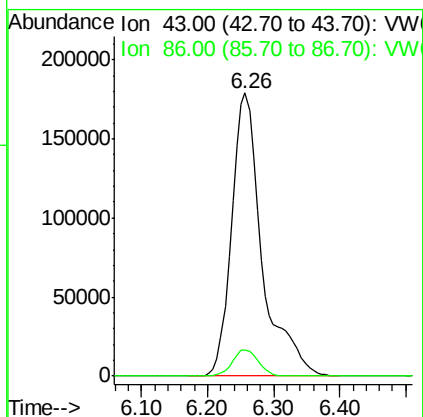
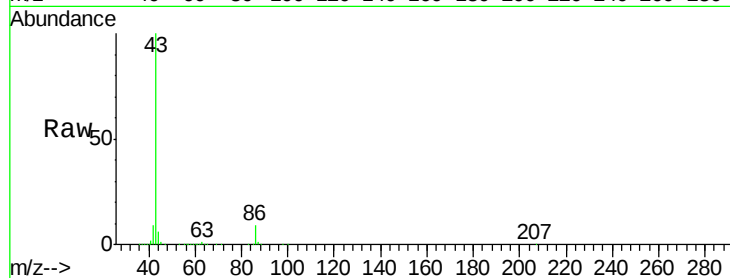
86 9.4 7.6 11.4

Manual Integrations

APPROVED

apatel

7/17/2018 10:31:48 AM



#24

1,1-Dichloroethane

Concen: 20.27 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

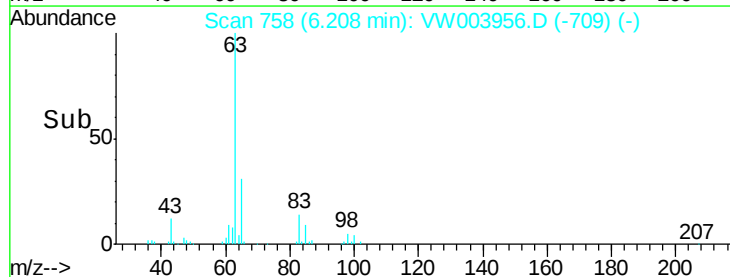
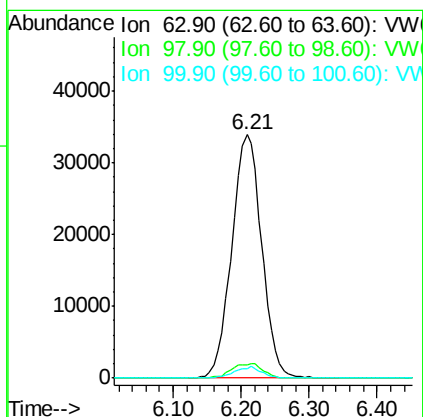
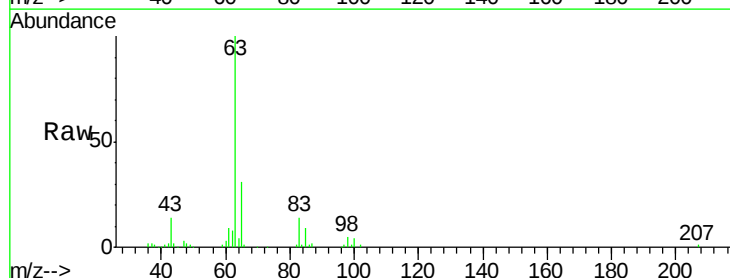
Tgt Ion: 63 Resp: 103532

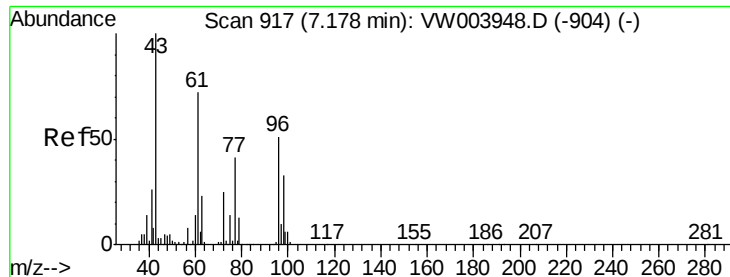
Ion Ratio Lower Upper

63 100

98 5.4 3.1 9.4

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 108.83 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

VW0716SBS01

Tot Ion: 43 Resp: 101568

Ion Ratio Lower Upper

43 100

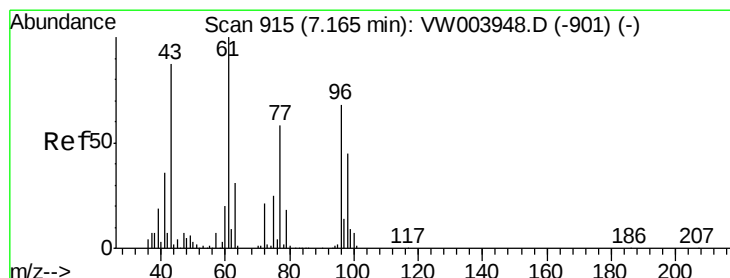
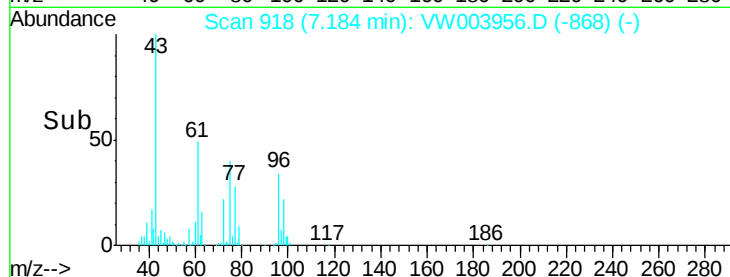
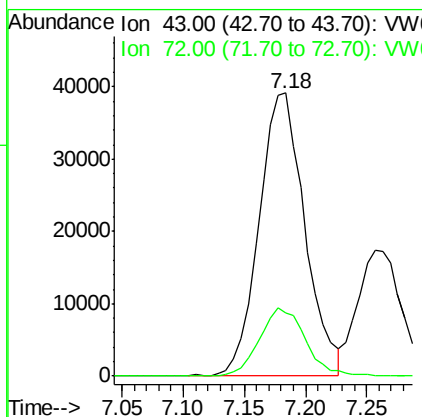
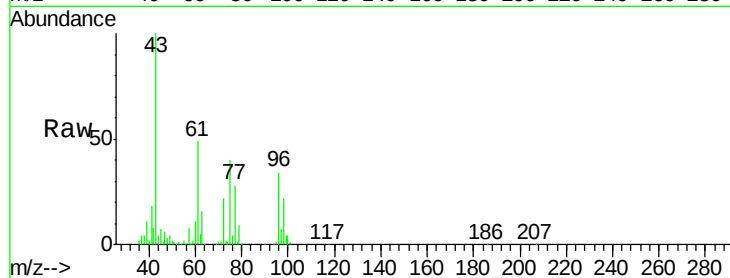
72 22.2 19.8 29.6

Manual Integrations

APPROVED

apatel

7/17/2018 10:31:48 AM



#26

2,2-Dichloropropane

Concen: 19.11 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003956.D

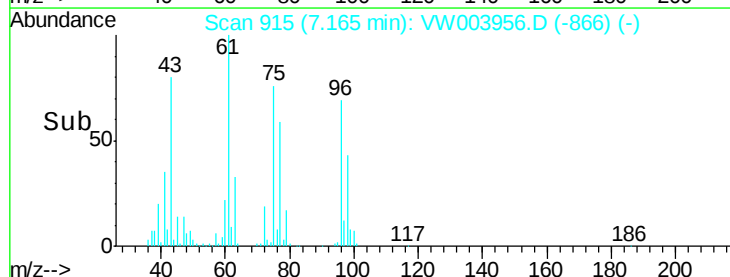
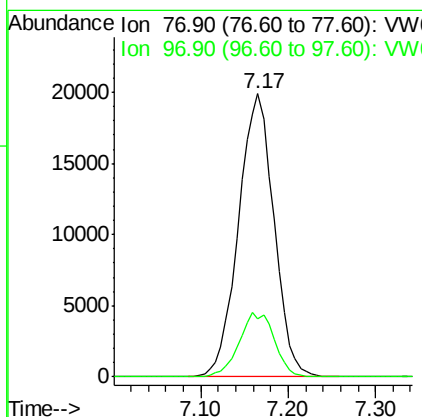
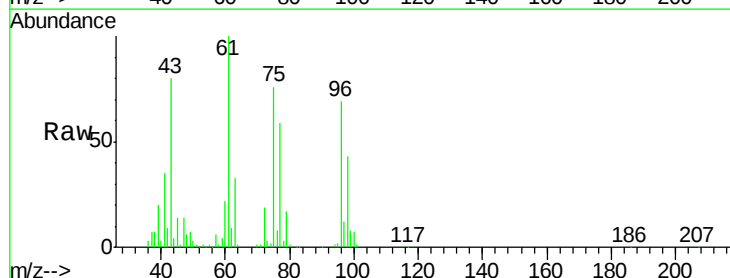
Acq: 16 Jul 2018 17:31

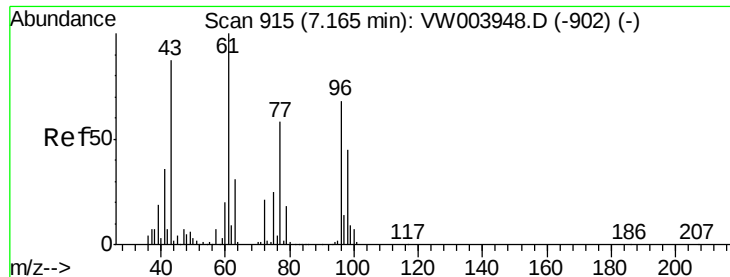
Tgt Ion: 77 Resp: 56037

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3





#27

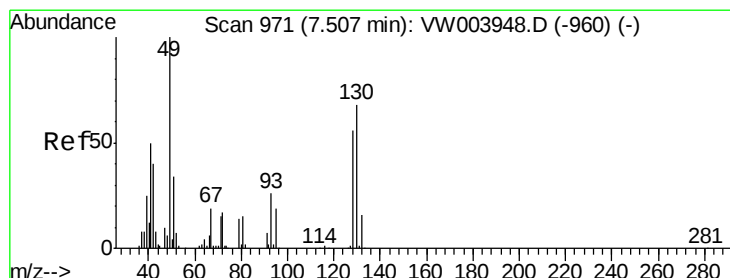
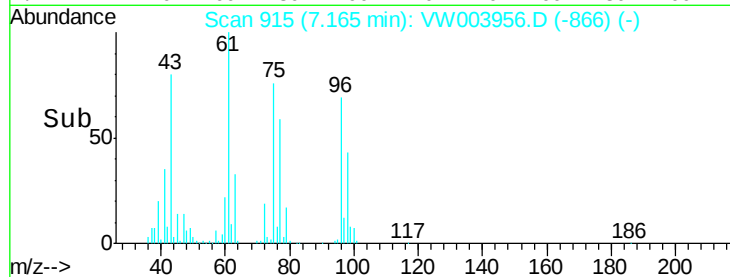
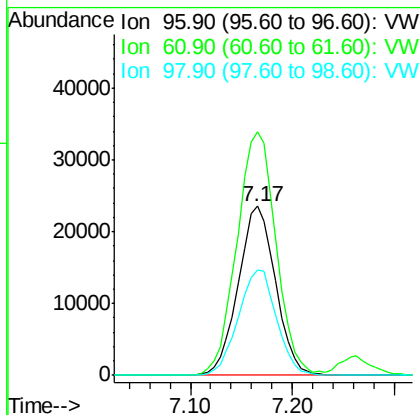
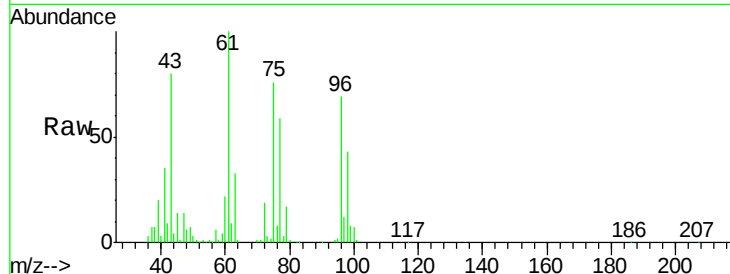
cis-1,2-Dichloroethene
 Concen: 20.14 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	298.6
98	63.8	0.0	130.4

Manual Integrations
 APPROVED

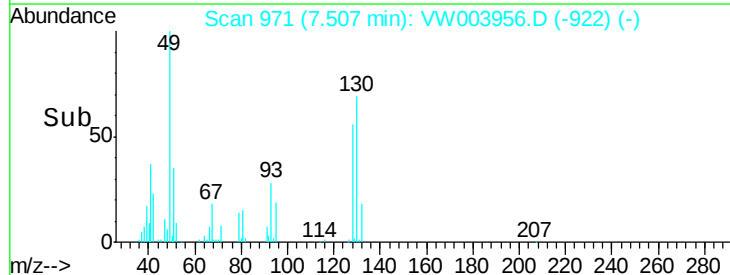
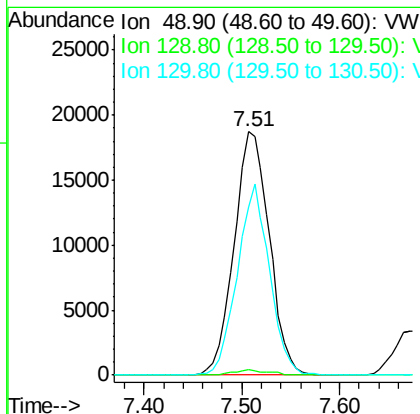
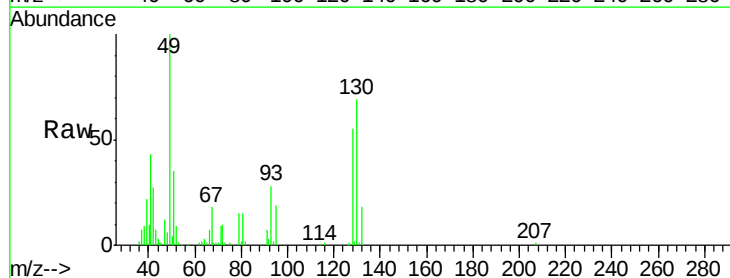
apatel
 7/17/2018 10:31:48 AM

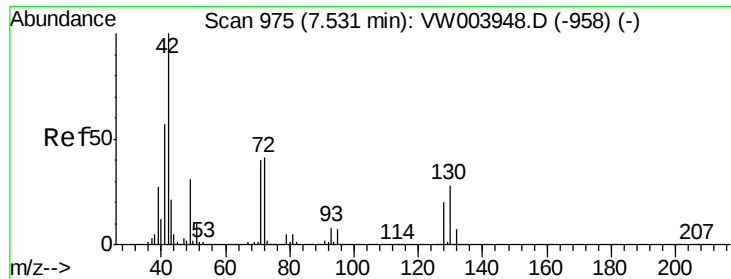


#28

Bromochloromethane
 Concen: 22.30 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.2
130	71.8	58.3	87.5





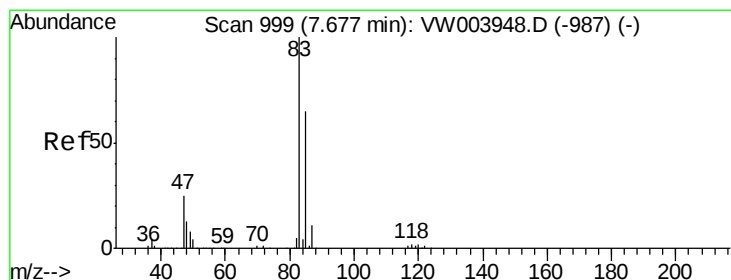
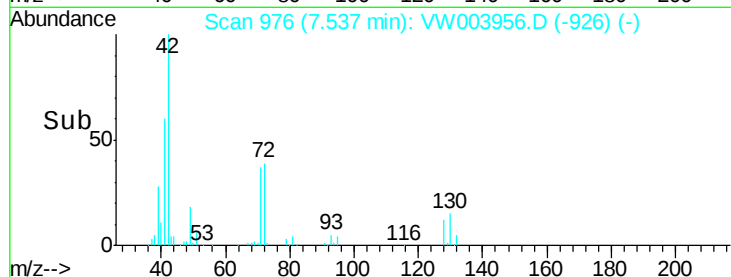
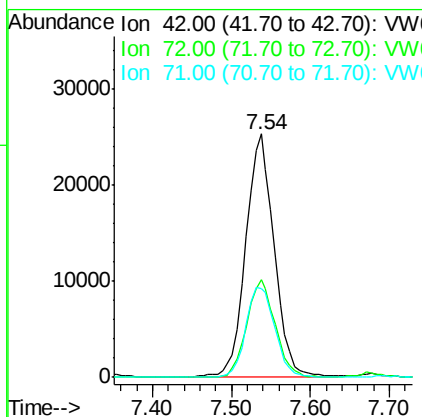
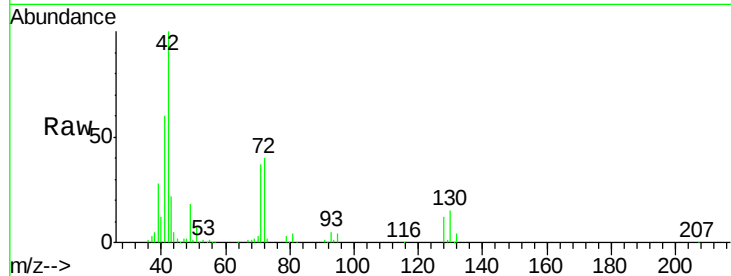
#29
Tetrahydrofuran
Concen: 108.43 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.6	48.8
71	38.2	30.5	45.7

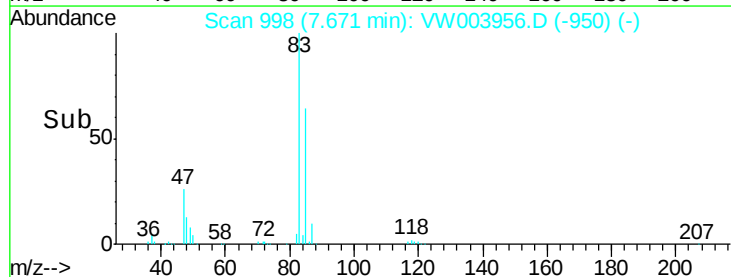
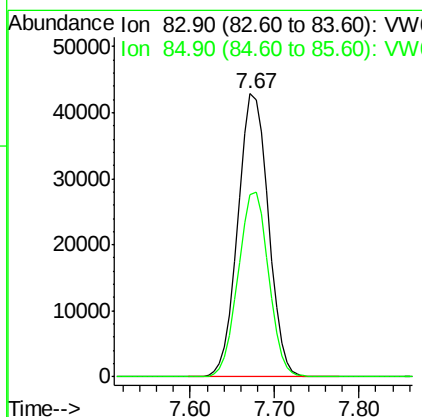
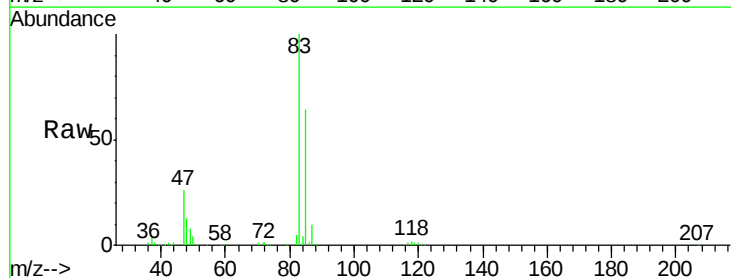
Manual Integrations
APPROVED

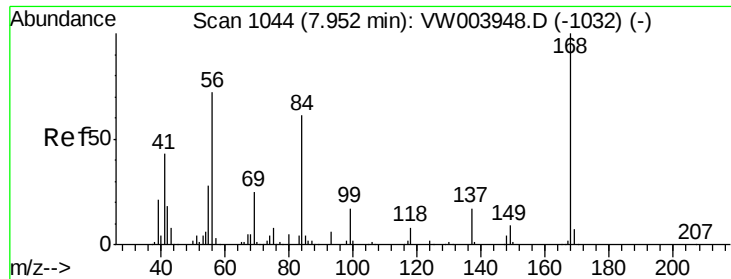
apatel
7/17/2018 10:31:48 AM



#30
Chloroform
Concen: 20.61 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.4





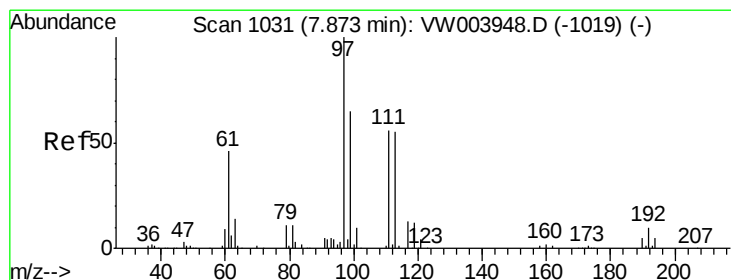
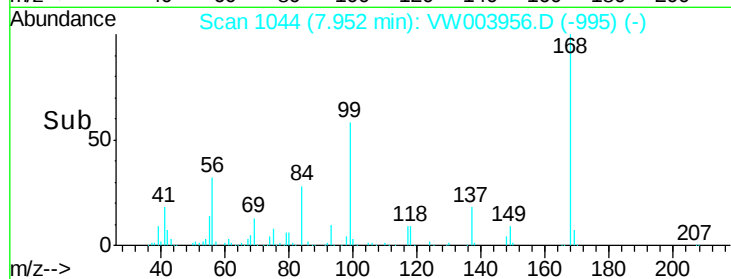
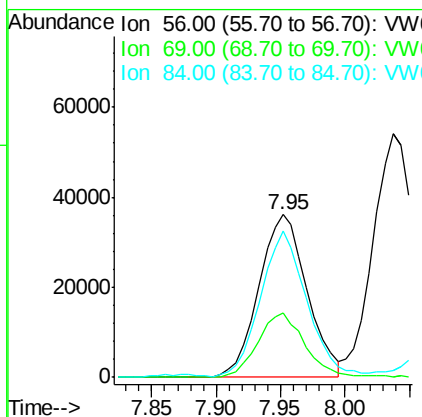
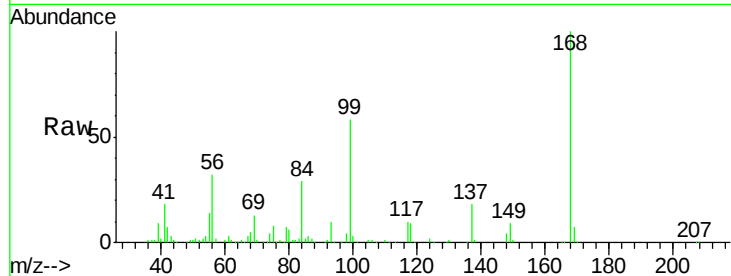
#31
Cyclohexane
Concen: 19.58 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	56	Resp	93766
Ion Ratio	100	Lower	Upper
56	100		
69	39.6	27.8	41.8
84	88.1	67.2	100.8

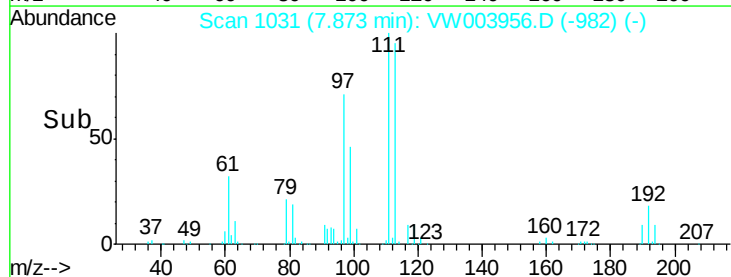
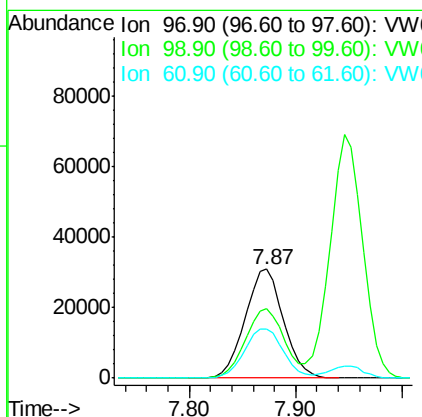
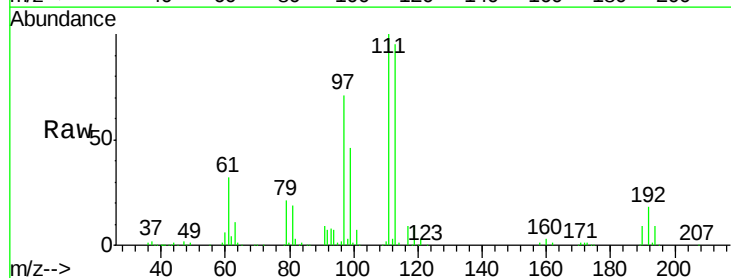
Manual Integrations
APPROVED

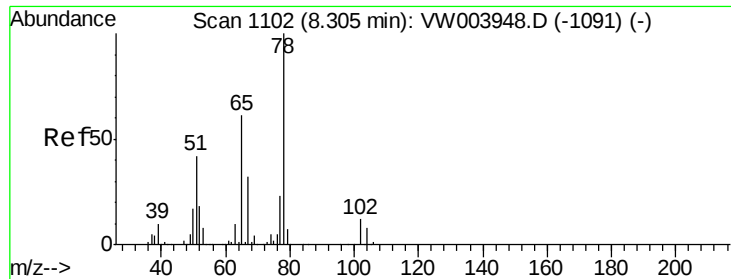
apatel
7/17/2018 10:31:48 AM



#32
1,1,1-Trichloroethane
Concen: 19.63 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	97	Resp	77877
Ion Ratio	100	Lower	Upper
97	100		
99	65.3	51.3	76.9
61	46.2	36.8	55.2





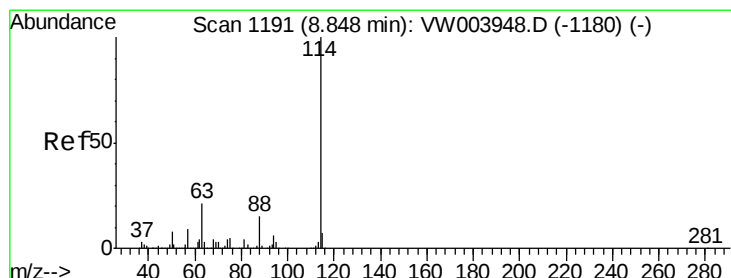
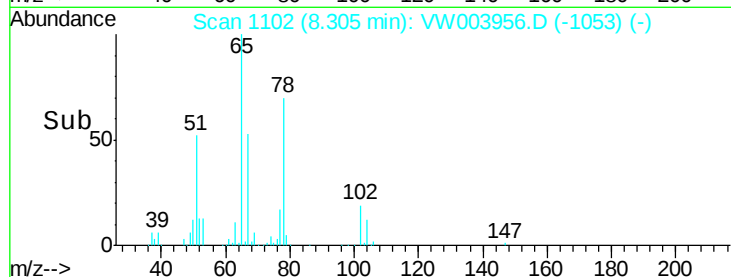
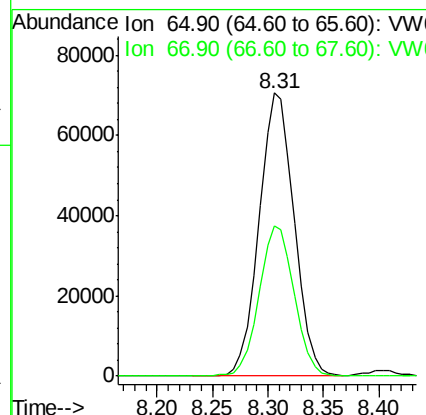
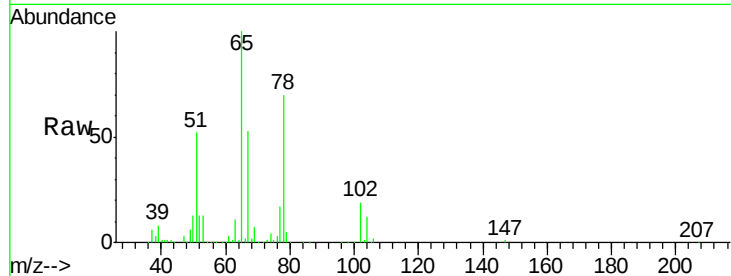
#33
 1,2-Dichloroethane-d4
 Concen: 53.55 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	105.0	

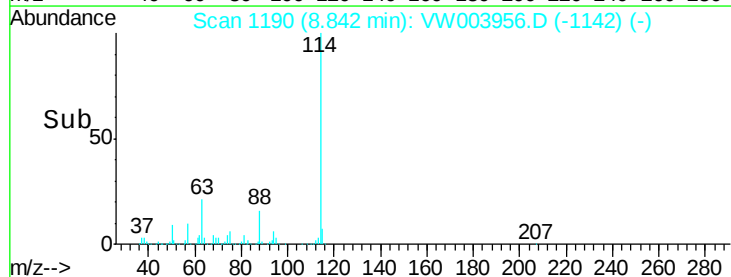
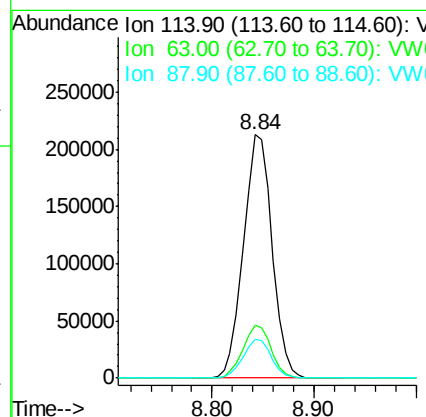
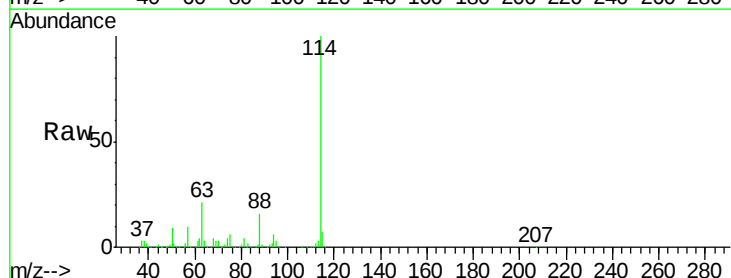
Manual Integrations
 APPROVED

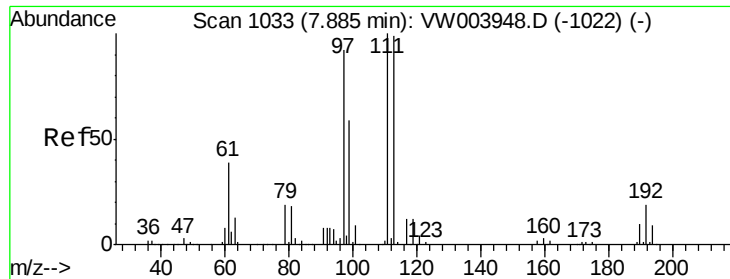
apatel
 7/17/2018 10:31:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	42.8	
88	16.1	0.0	30.4	





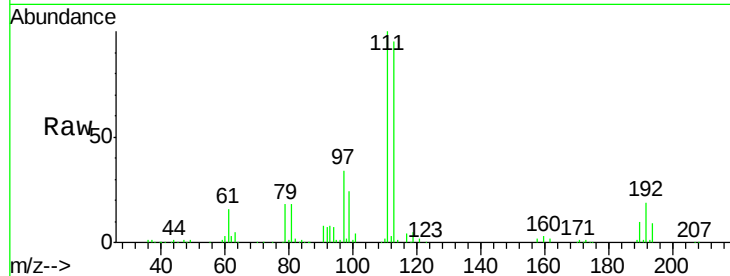
#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

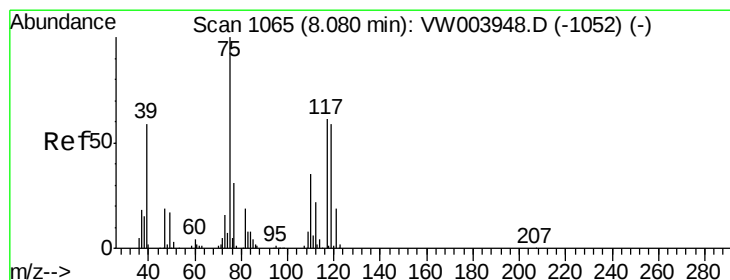
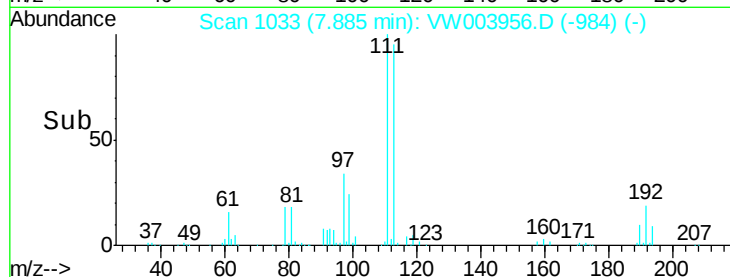
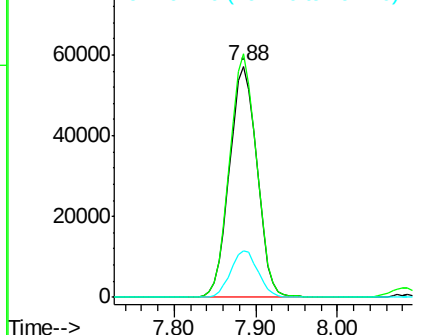
Tot Ion	Ratio	Resp	Lower	Upper
113	100	132763		
111	103.4	81.3	121.9	
192	20.0	15.8	23.6	

Manual Integrations
 APPROVED

apatel
 7/17/2018 10:31:48 AM

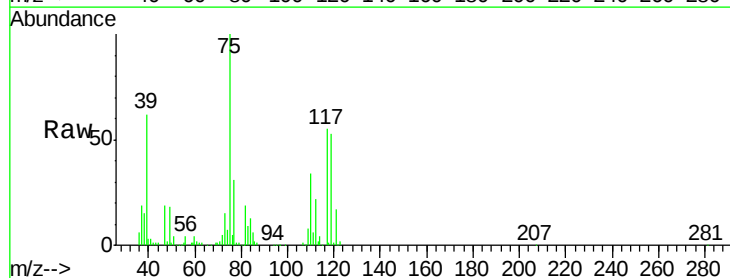


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

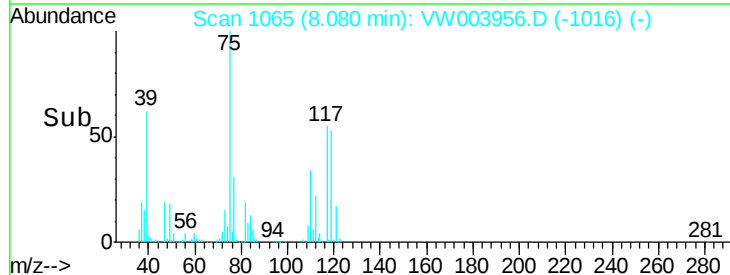
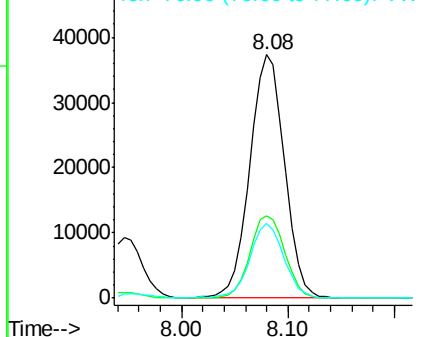


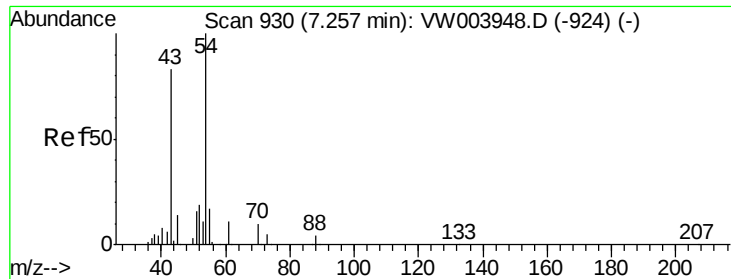
#36
 1,1-Dichloropropene
 Concen: 19.90 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84969		
110	34.1	17.0	51.0	
77	30.5	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





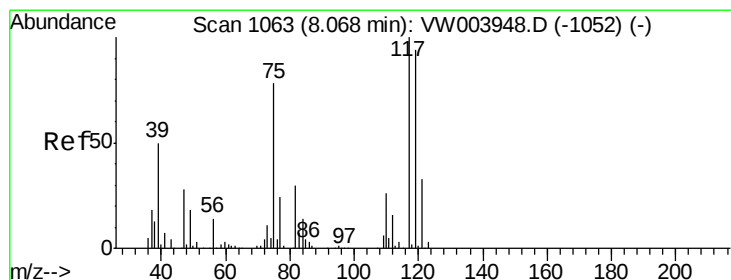
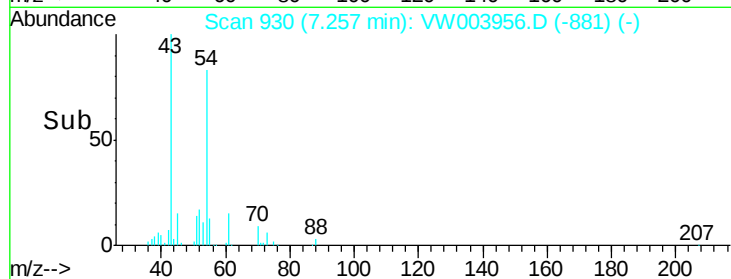
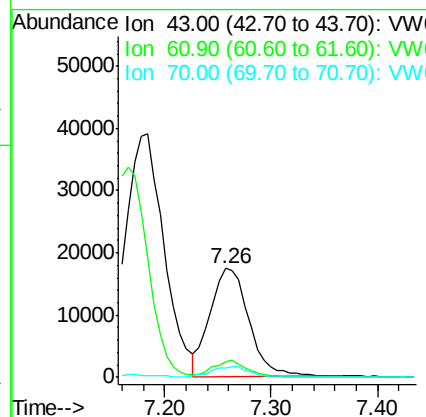
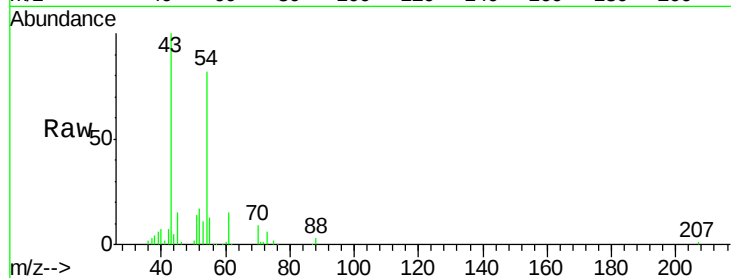
#37
Ethyl Acetate
Concen: 21.21 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampled :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	9.7	7.7	11.5

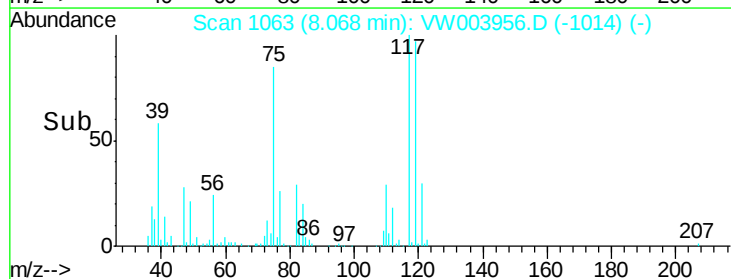
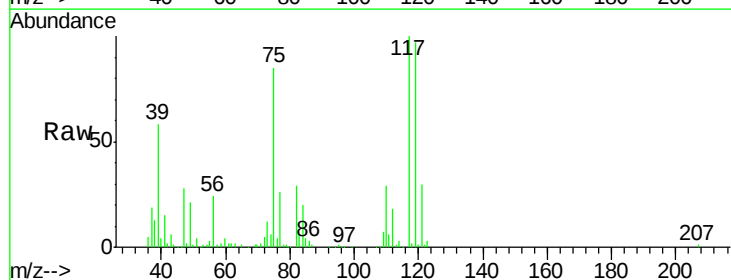
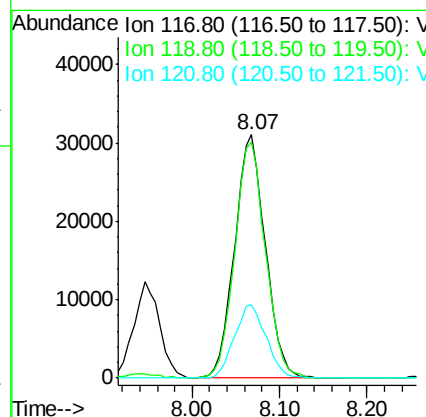
Manual Integrations
APPROVED

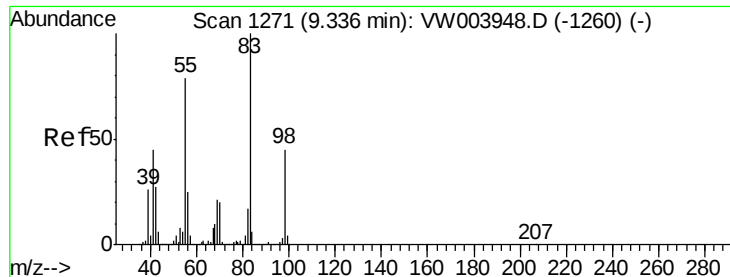
apatel
7/17/2018 10:31:48 AM



#38
Carbon Tetrachloride
Concen: 19.03 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.3	112.9
121	30.4	26.0	39.0





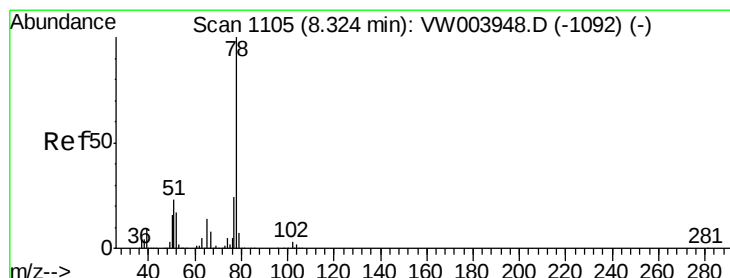
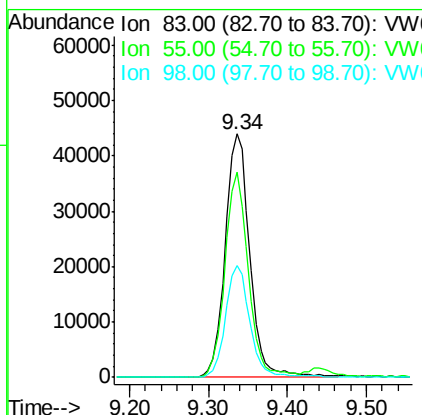
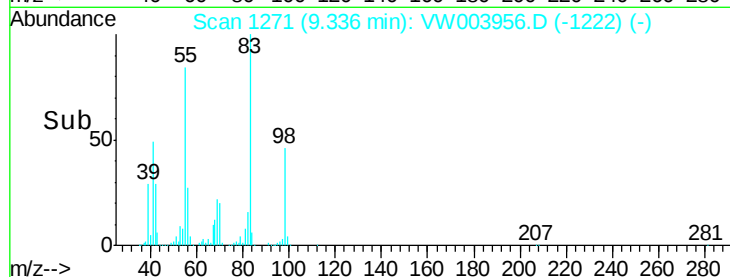
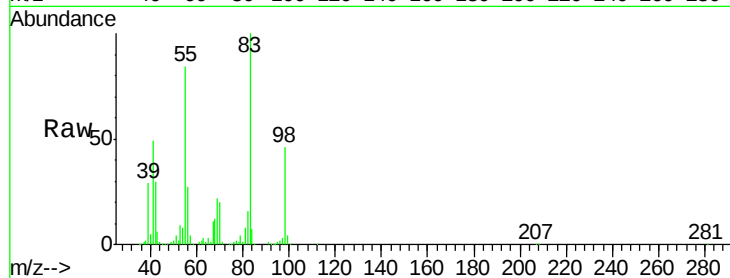
#39
Methvlcvclohexane
Concen: 19.13 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampled :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.0	62.8	94.2
98	45.9	36.2	54.4

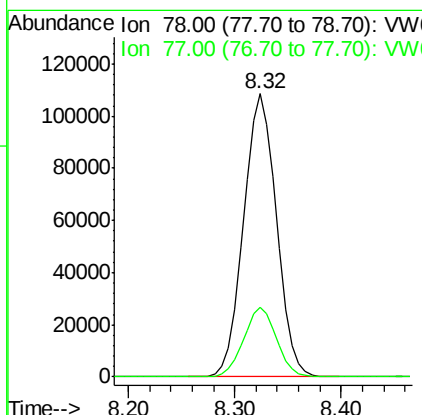
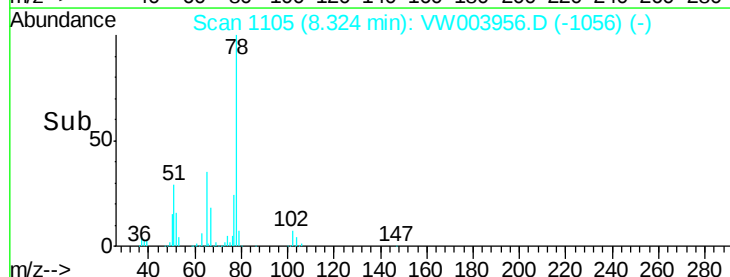
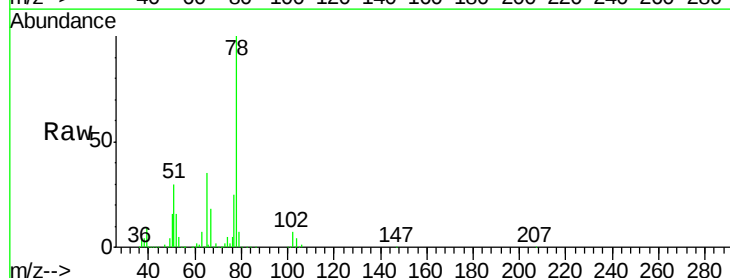
Manual Integrations
APPROVED

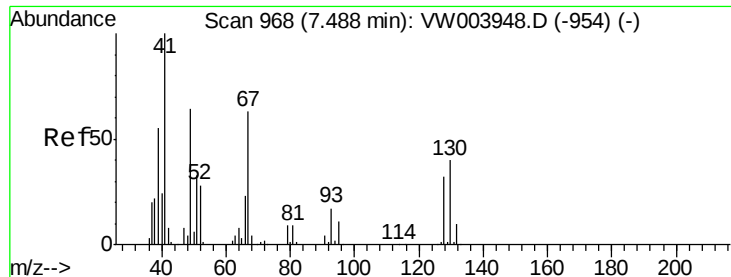
apatel
7/17/2018 10:31:48 AM



#40
Benzene
Concen: 19.90 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





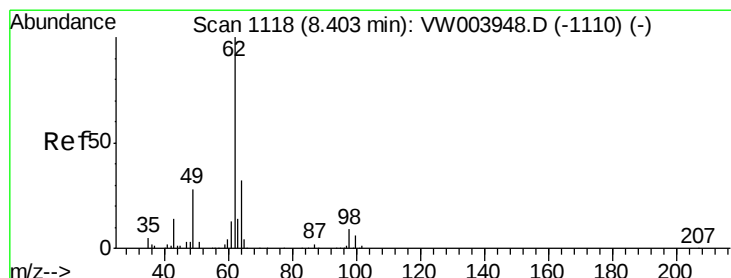
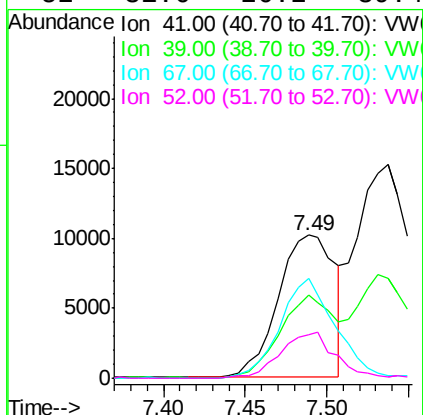
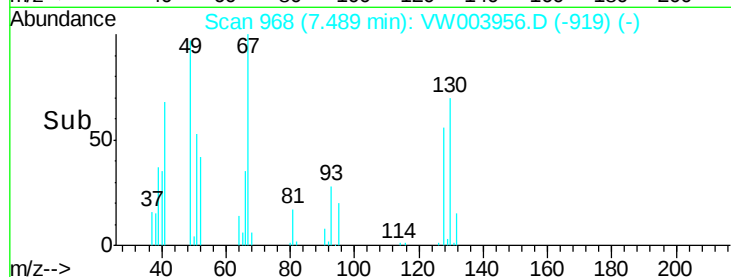
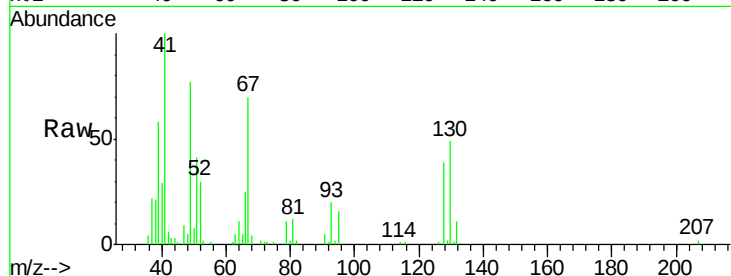
#41
Methacrylonitrile
Concen: 21.42 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	50.0	75.0
67	69.3	60.8	91.2
52	31.6	26.2	39.4

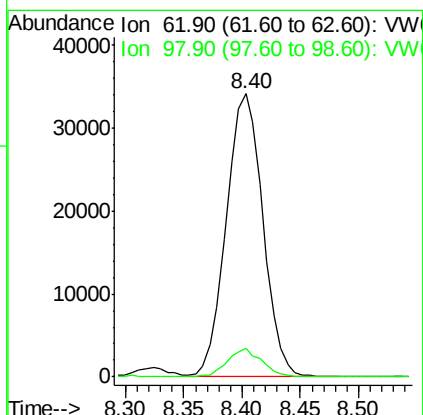
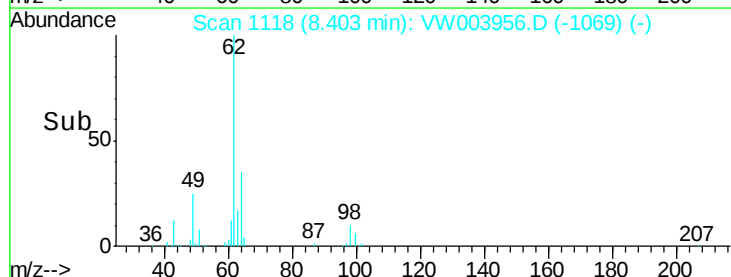
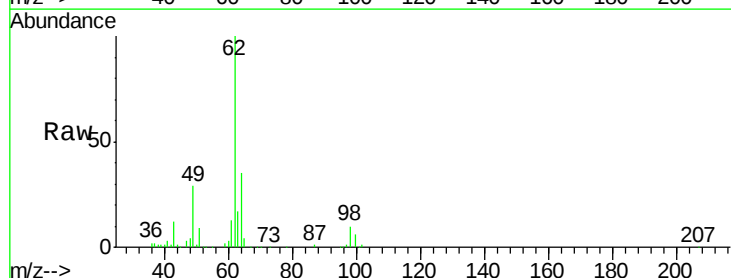
Manual Integrations
APPROVED

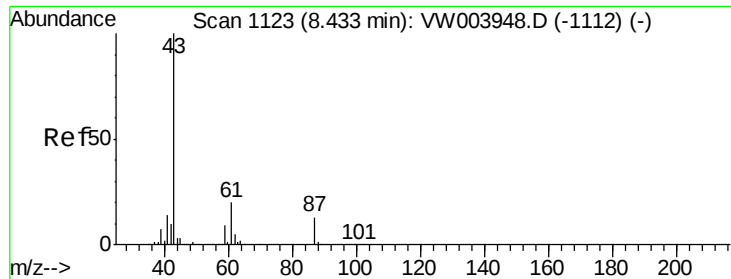
apatel
7/17/2018 10:31:48 AM



#42
1,2-Dichloroethane
Concen: 20.69 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.4





#43

Isopropyl Acetate

Concen: 21.28 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

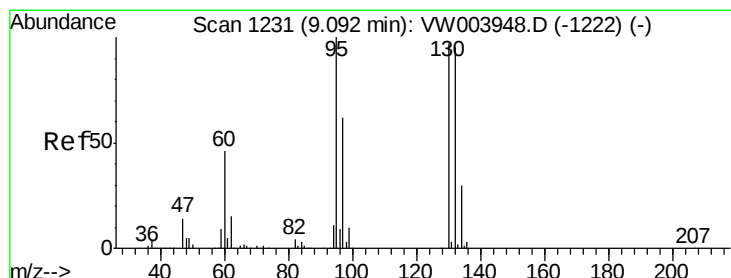
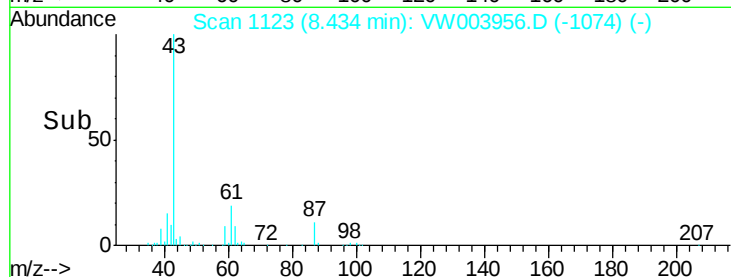
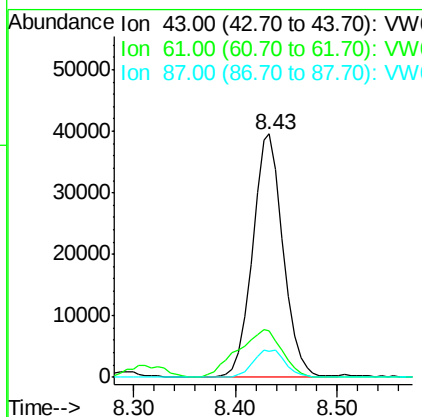
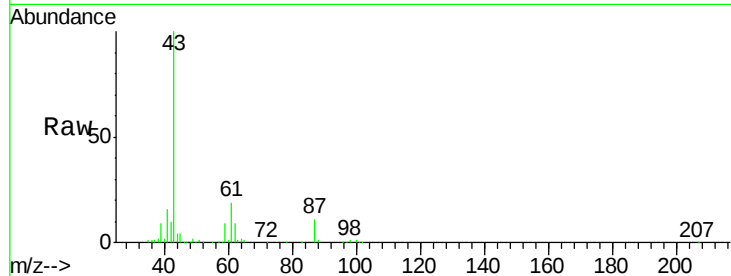
ClientSampled :

VW0716SBS01

Tot Ion:	43	Resp:	81978
Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.0	34.6
87	12.0	9.9	14.9

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



#44

Trichloroethene

Concen: 19.43 ug/l

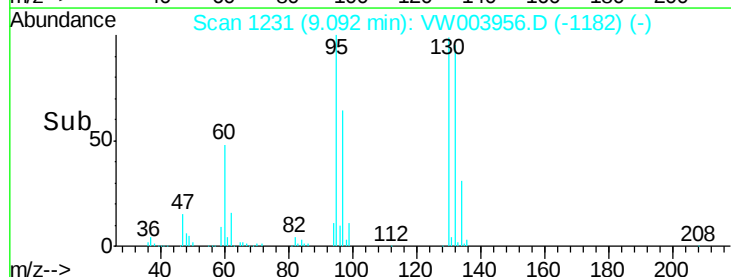
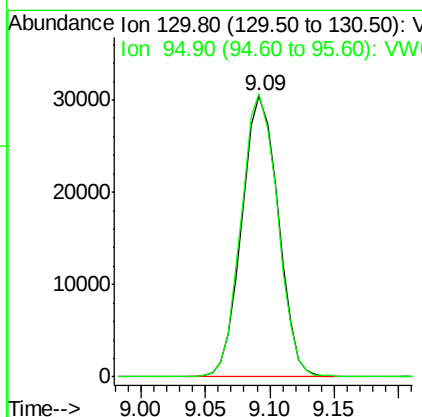
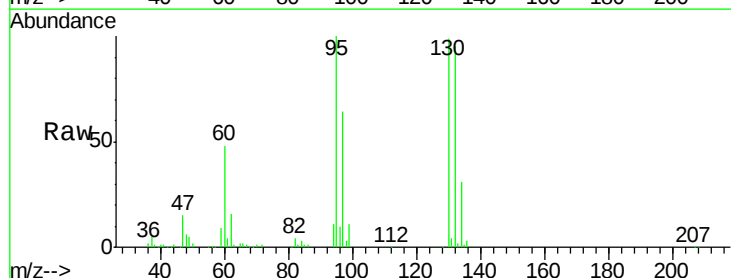
RT: 9.09 min Scan# 1231

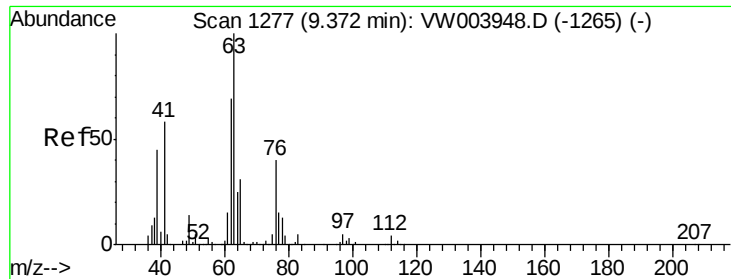
Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:	130	Resp:	59658
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	206.8





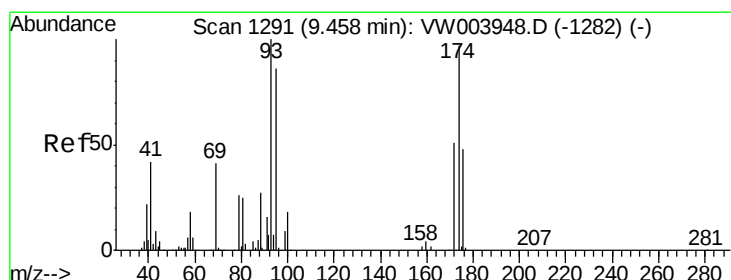
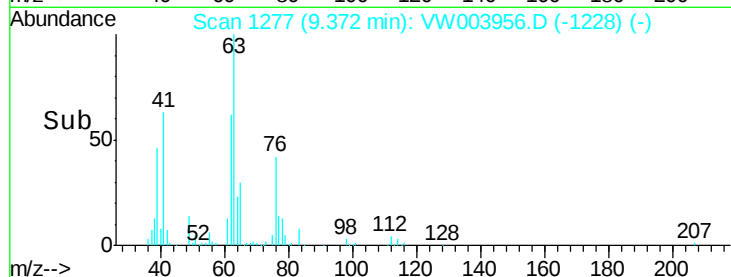
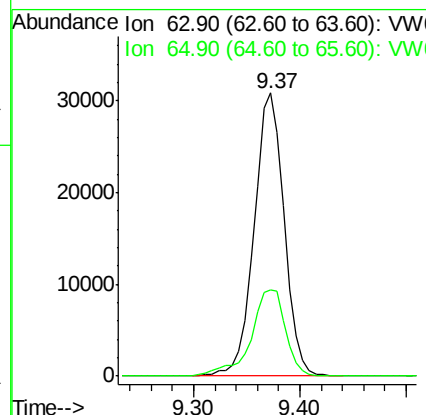
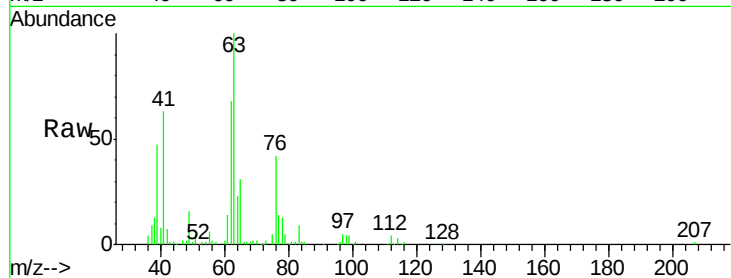
#45
 1,2-Dichloropropane
 Concen: 20.19 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.8	37.2

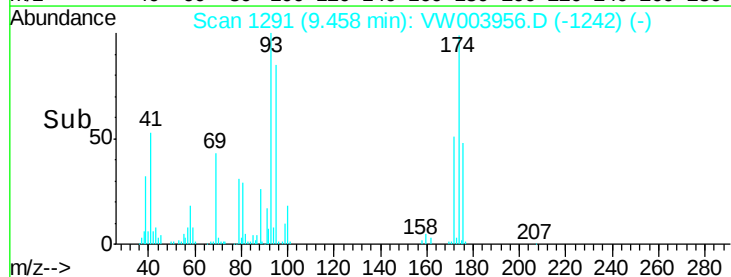
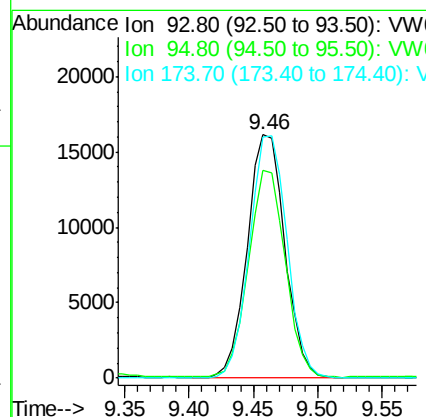
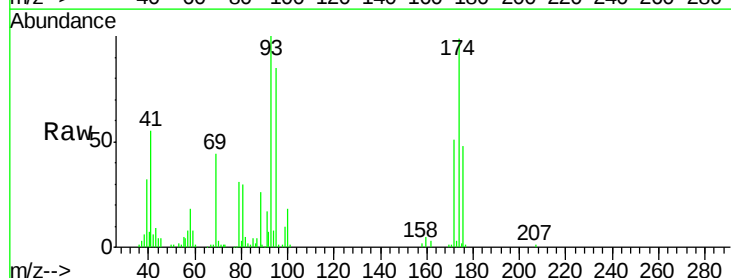
Manual Integrations
 APPROVED

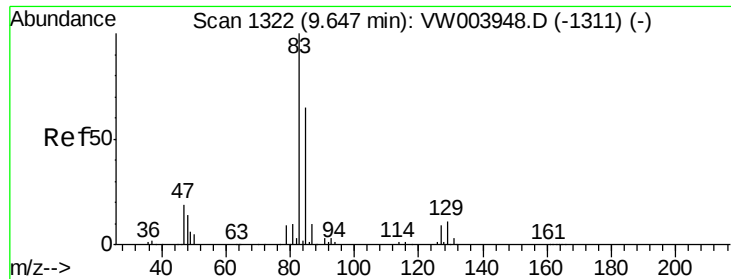
apatel
 7/17/2018 10:31:48 AM



#46
 Dibromomethane
 Concen: 20.70 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.9	100.3
174	99.0	80.2	120.2





#47

Bromodichloromethane

Concen: 20.40 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

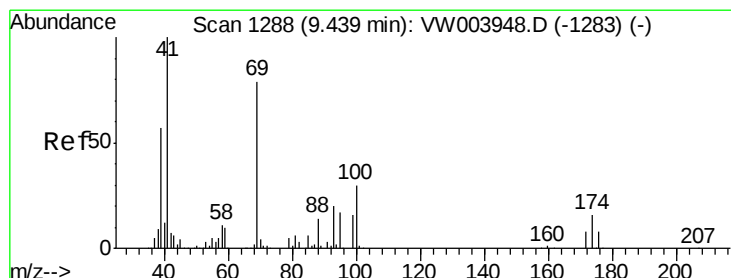
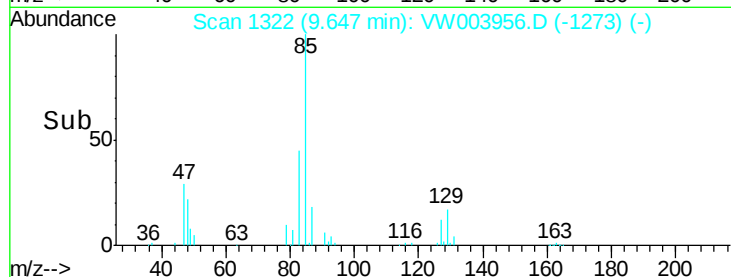
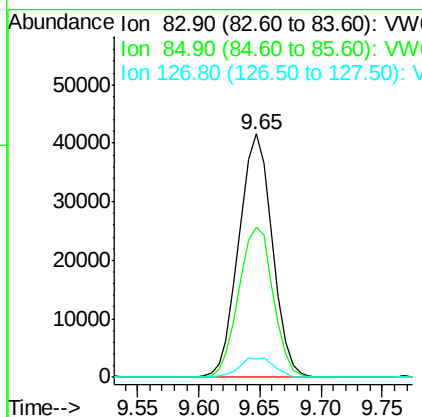
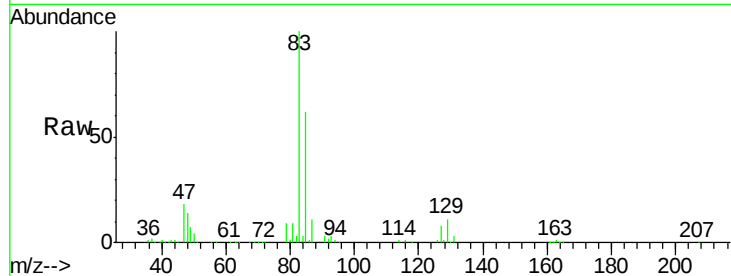
ClientSampled :

VW0716SBS01

Tot Ion:	83	Resp:	78917
Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.2	78.2
127	7.6	7.0	10.4

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



#48

Methyl methacrylate

Concen: 21.35 ug/l

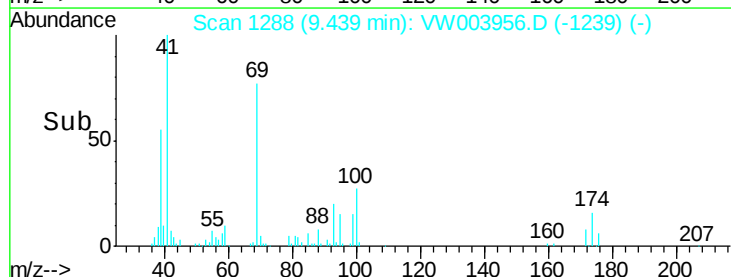
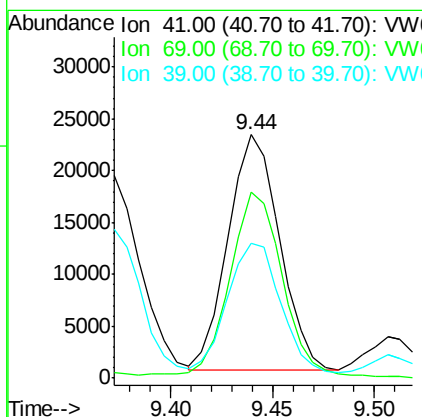
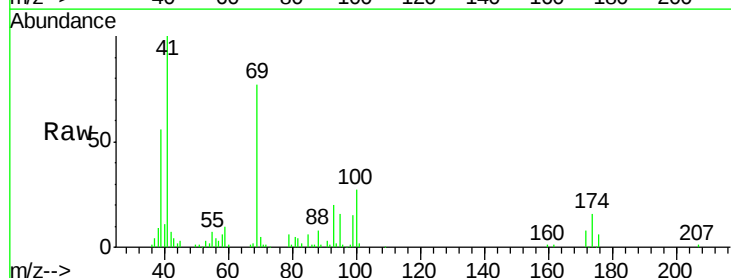
RT: 9.44 min Scan# 1288

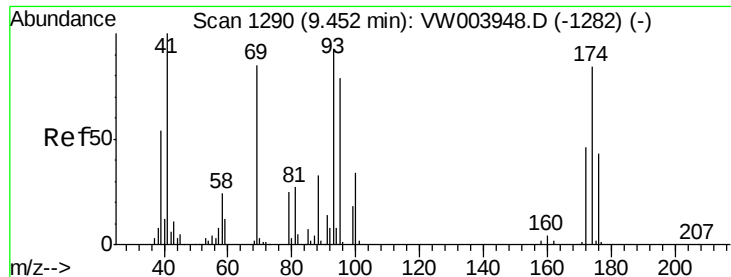
Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:	41	Resp:	39780
Ion	Ratio	Lower	Upper
41	100		
69	81.0	67.0	100.6
39	61.3	48.8	73.2





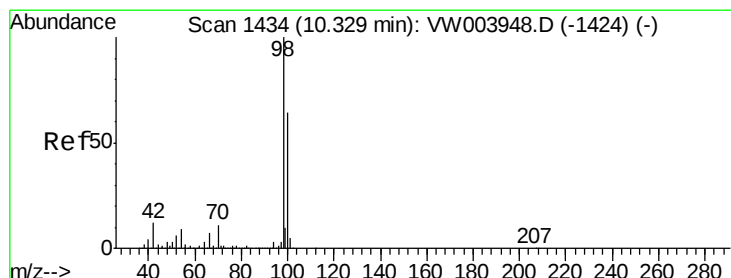
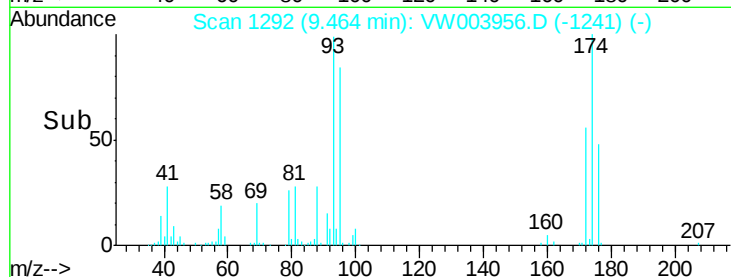
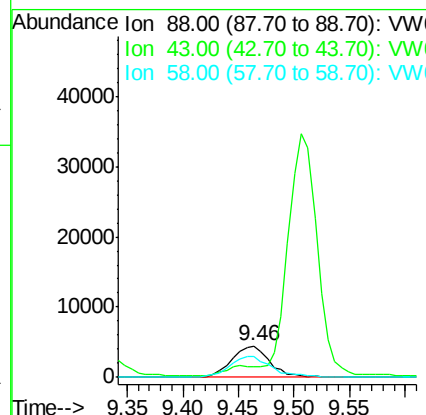
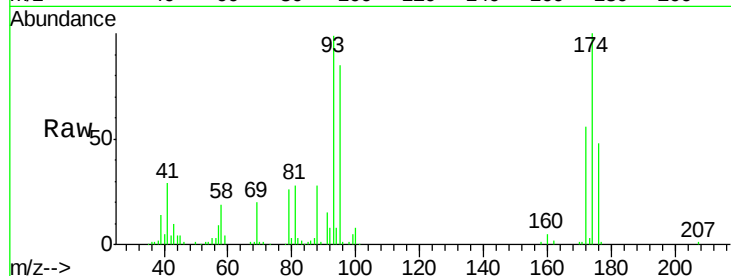
#49
1,4-Dioxane
Concen: 431.78 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	88	Resp	10413
Ion	Ratio	Lower	Upper
88	100		
43	31.7	27.3	40.9
58	74.9	61.1	91.7

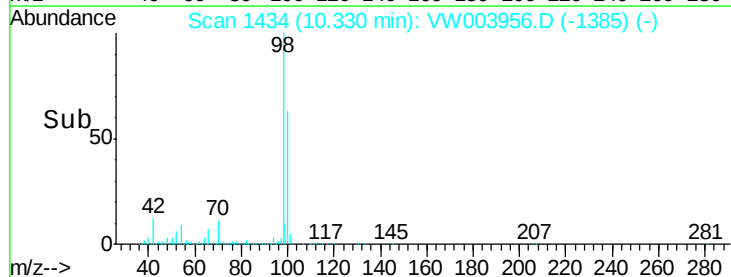
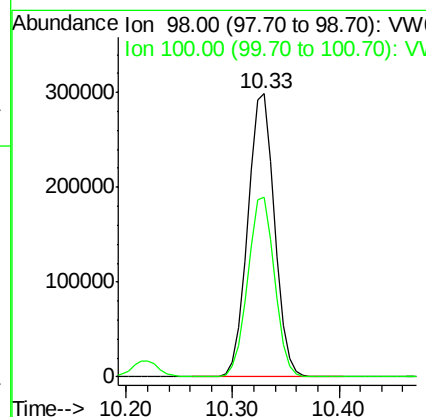
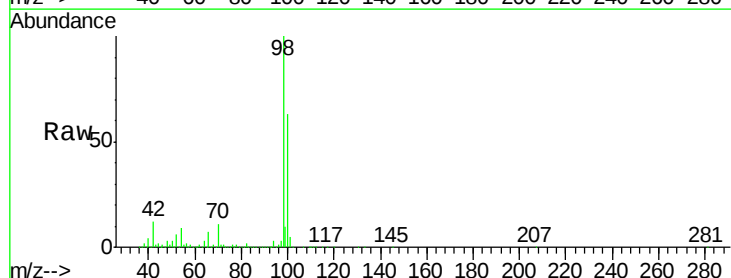
Manual Integrations
APPROVED

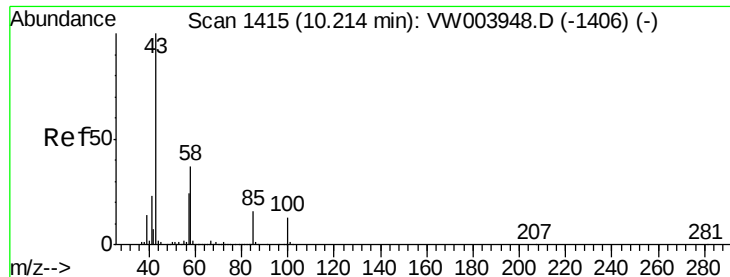
apatel
7/17/2018 10:31:48 AM



#50
Toluene-d8
Concen: 50.98 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	98	Resp	526700
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 107.99 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

VW0716SBS01

Tot Ion: 43 Resp: 221611

Ion Ratio Lower Upper

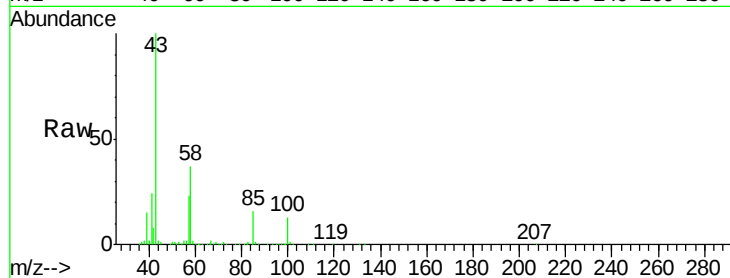
43 100

58 37.7 29.9 44.9

Manual Integrations
APPROVED

apatel

7/17/2018 10:31:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

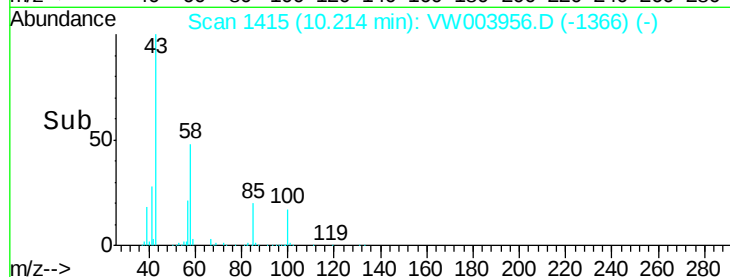
150000

100000

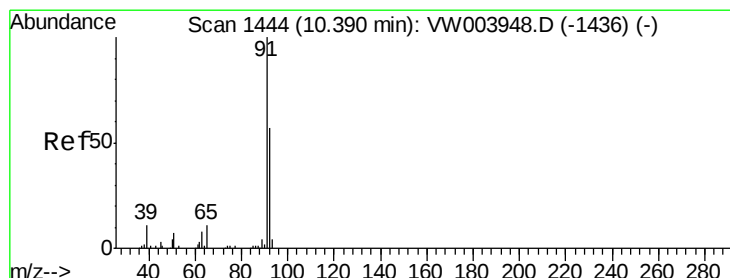
50000

0

Time-->



Time-->



#52

Toluene

Concen: 20.09 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003956.D

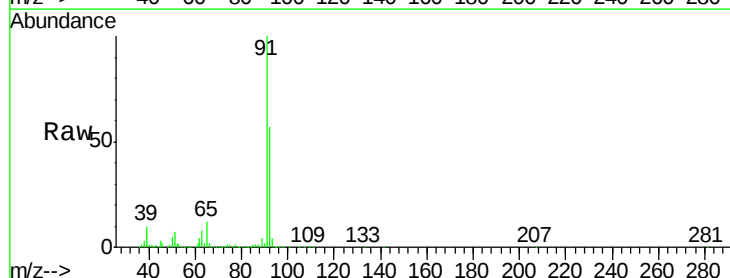
Acq: 16 Jul 2018 17:31

Tgt Ion: 92 Resp: 147191

Ion Ratio Lower Upper

92 100

91 176.1 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

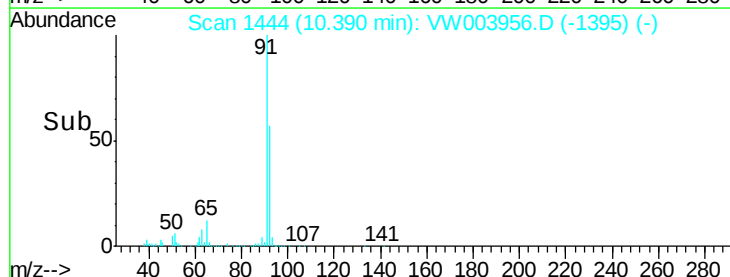
150000

100000

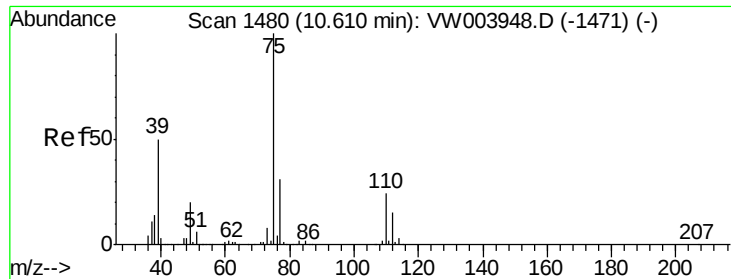
50000

0

Time-->



Time-->



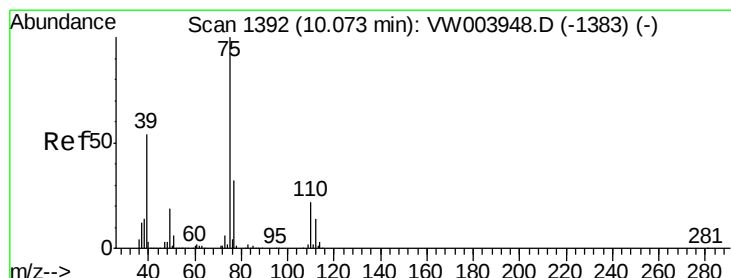
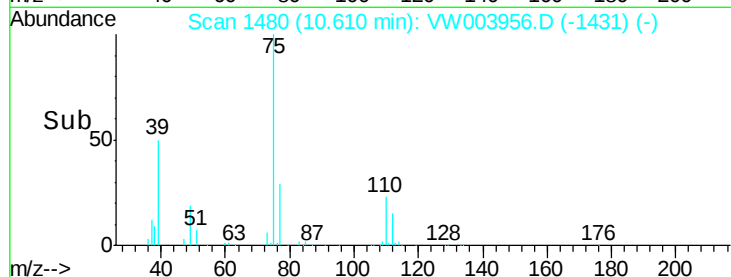
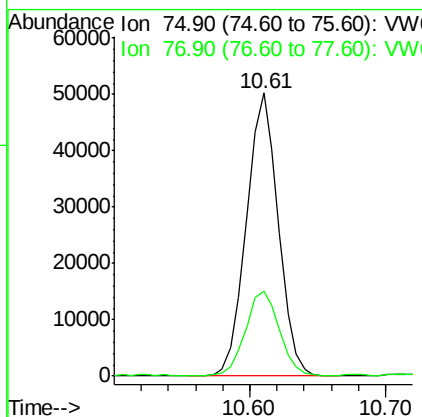
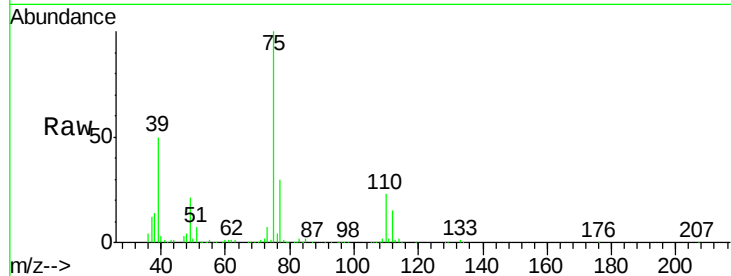
#53
 t-1,3-Dichloropropene
 Concen: 20.43 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampled :
 VW0716SBS01

Tot Ion: 75 Resp: 82627
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.2 37.8

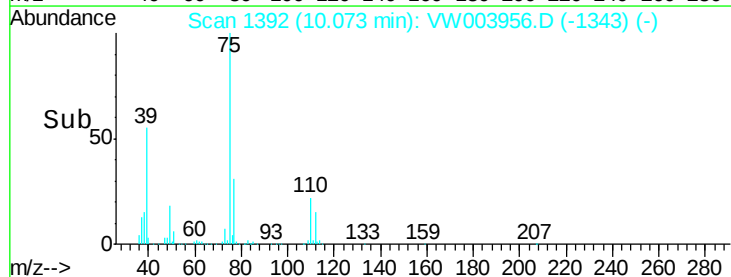
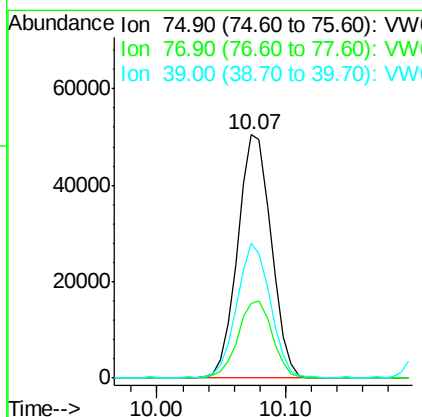
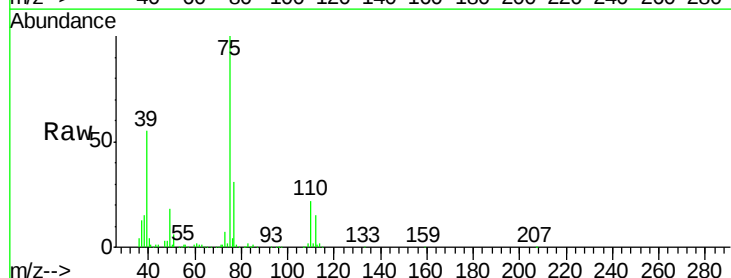
Manual Integrations
 APPROVED

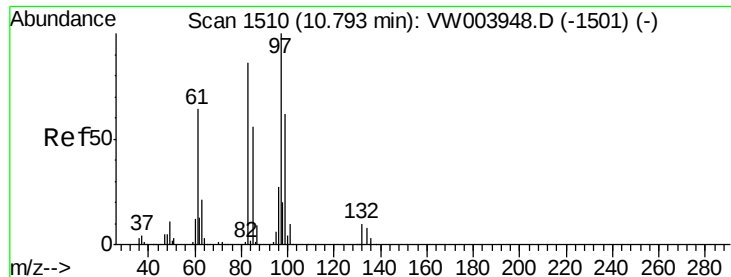
apatel
 7/17/2018 10:31:48 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.71 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 75 Resp: 91203
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.2
 39 54.9 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 20.56 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

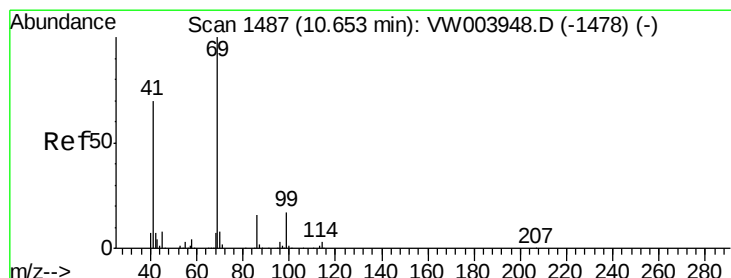
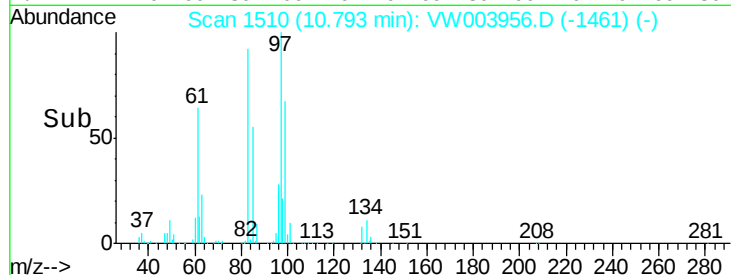
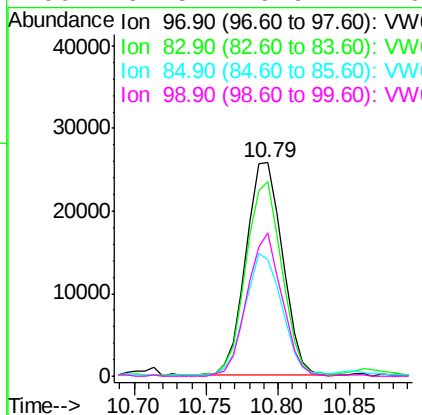
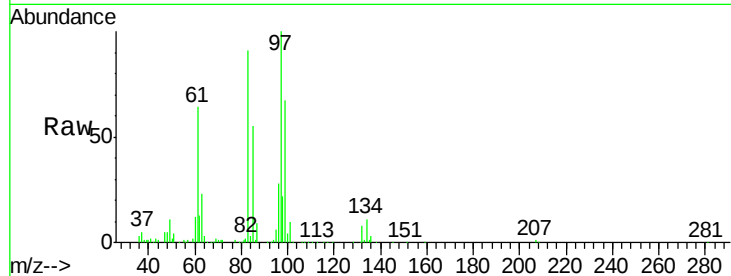
VW0716SBS01

Tot Ion:	97	Resp:	45376
Ion	Ratio	Lower	Upper
97	100		
83	91.2	69.0	103.4
85	54.7	45.0	67.6
99	67.5	49.9	74.9

Manual Integrations
APPROVED

apatel

7/17/2018 10:31:48 AM



#56

Ethyl methacrylate

Concen: 20.53 ug/l

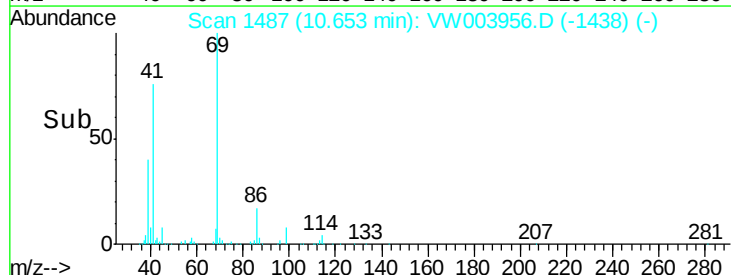
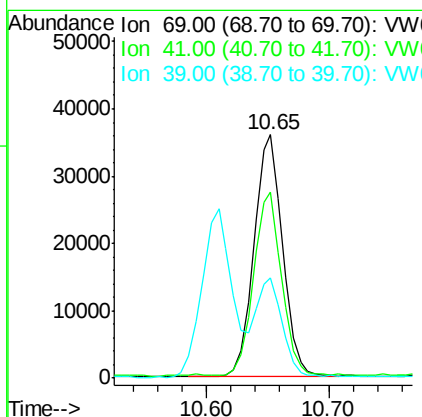
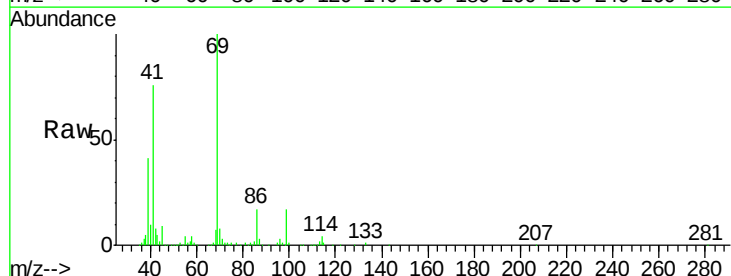
RT: 10.65 min Scan# 1487

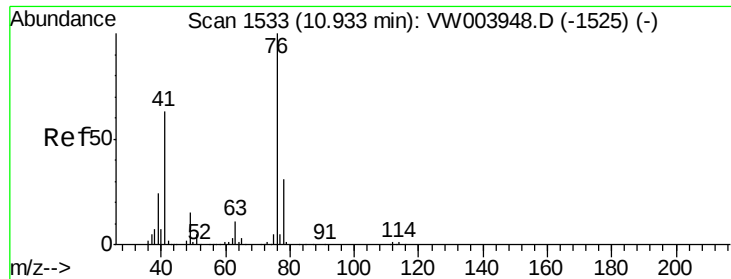
Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:	69	Resp:	58983
Ion	Ratio	Lower	Upper
69	100		
41	73.8	56.5	84.7
39	35.8	30.2	45.4





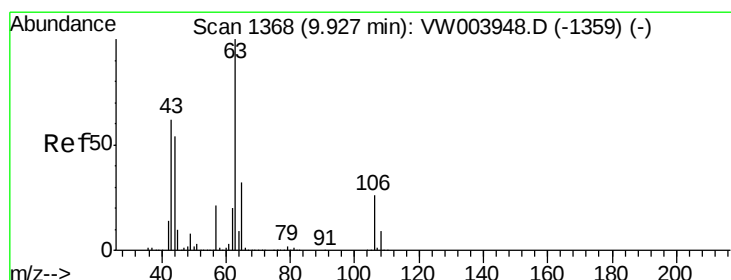
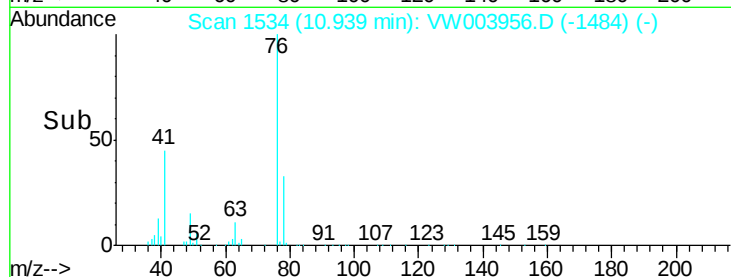
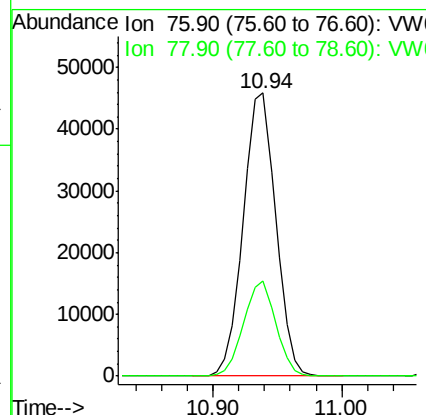
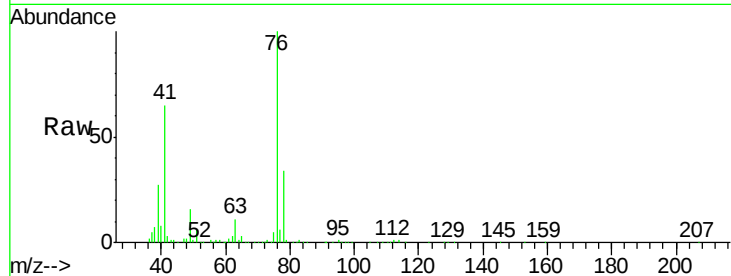
#57
 1,3-Dichloropropane
 Concen: 20.88 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion: 76 Resp: 80061
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.2 37.8

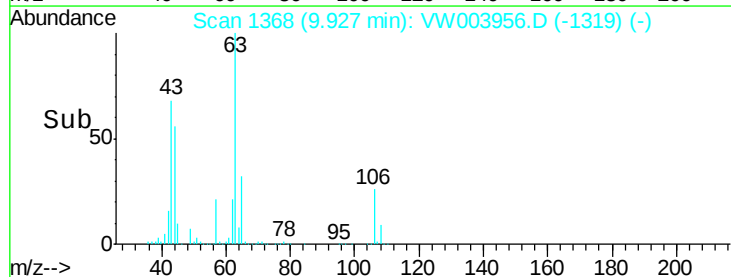
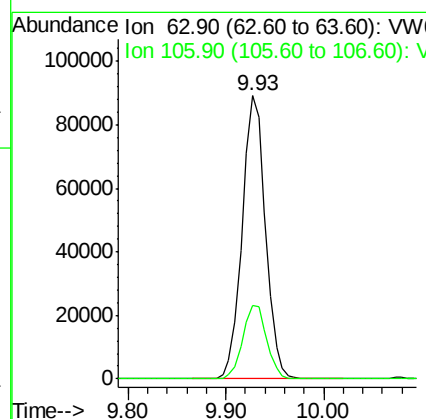
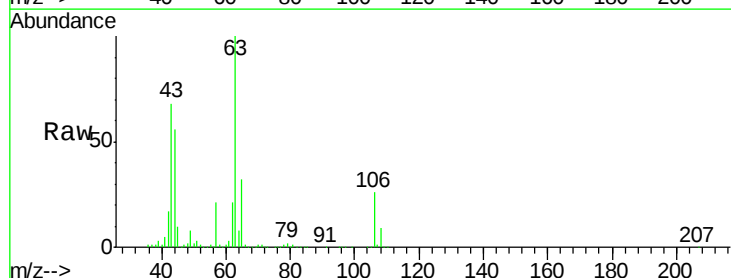
Manual Integrations
 APPROVED

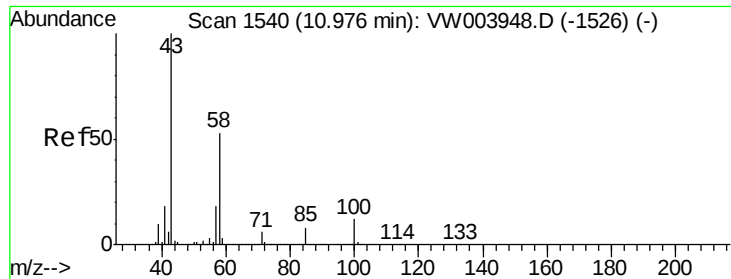
apatel
 7/17/2018 10:31:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.51 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 63 Resp: 147272
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.2 31.8





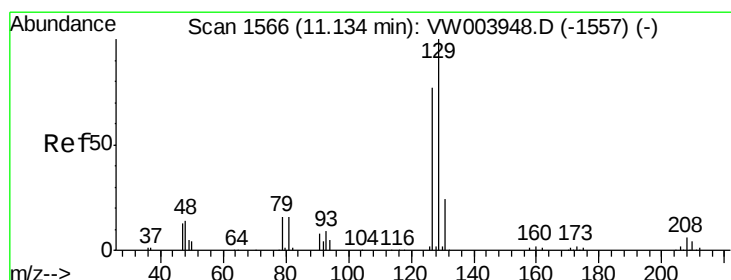
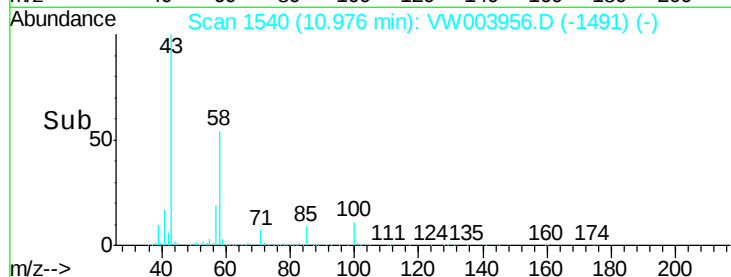
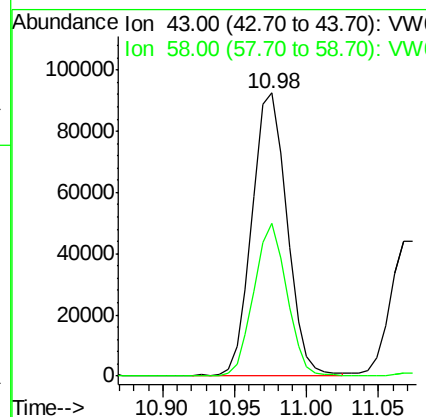
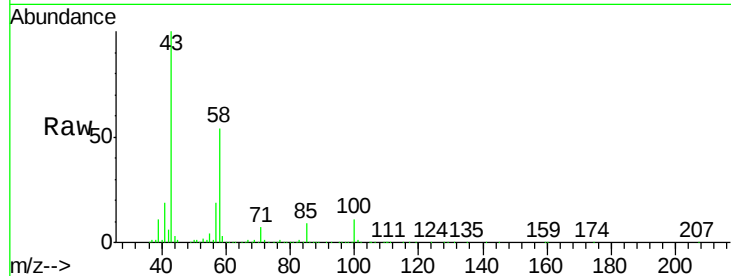
#59
2-Hexanone
Concen: 106.90 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampled :
VW0716SBS01

Tot Ion: 43 Resp: 154618
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0

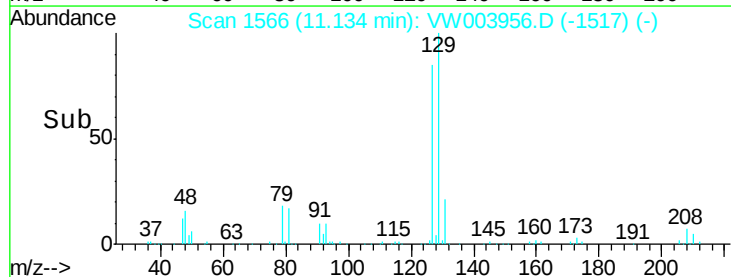
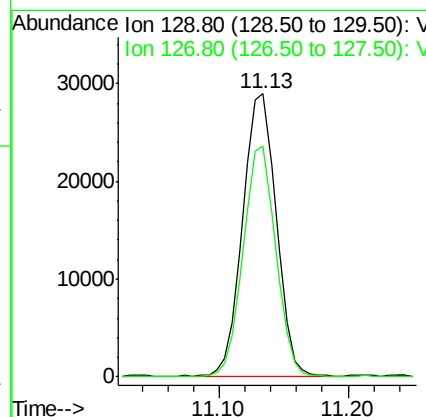
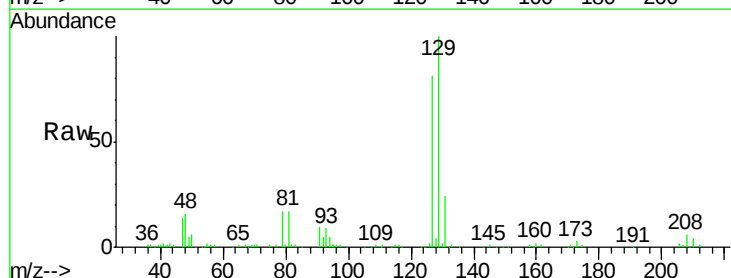
Manual Integrations
APPROVED

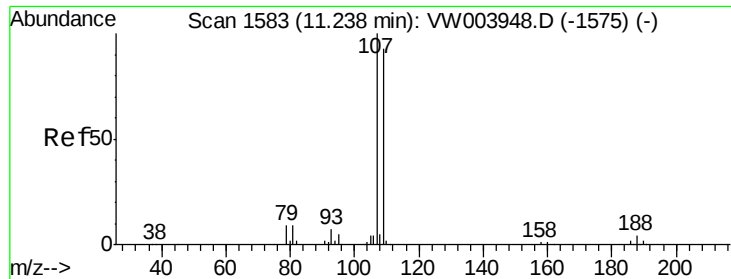
apatel
7/17/2018 10:31:48 AM



#60
Dibromochloromethane
Concen: 20.25 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 129 Resp: 52028
Ion Ratio Lower Upper
129 100
127 79.7 39.1 117.3





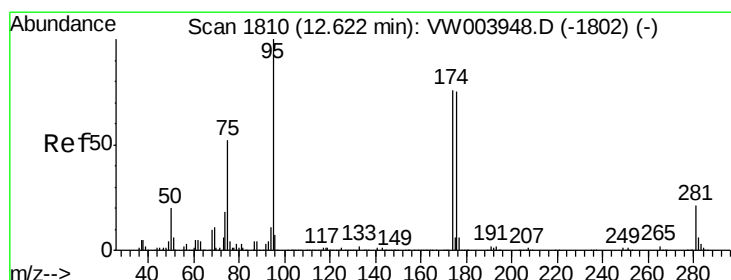
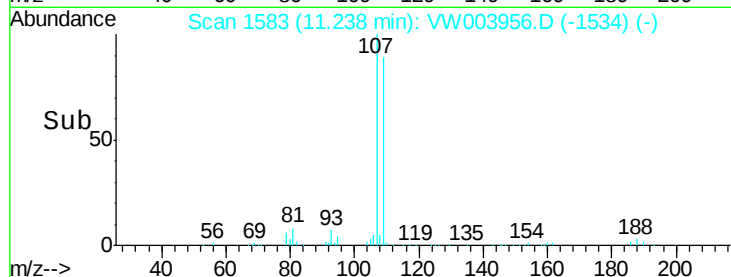
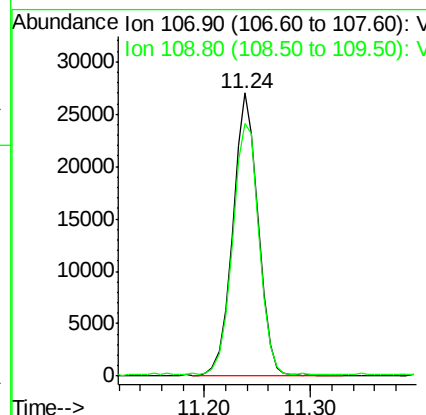
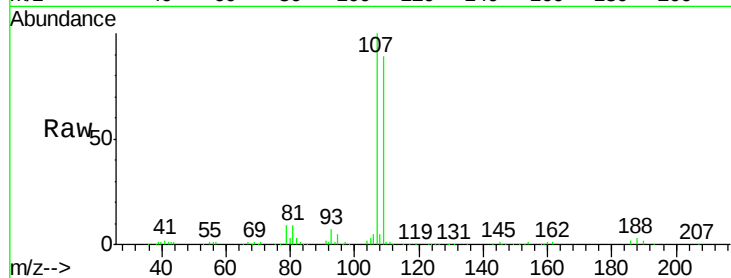
#61
 1,2-Dibromoethane
 Concen: 21.43 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion: 107 Resp: 45002
 Ion Ratio Lower Upper
 107 100
 109 91.6 74.3 111.5

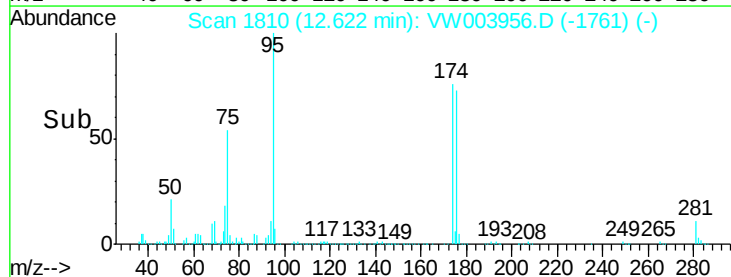
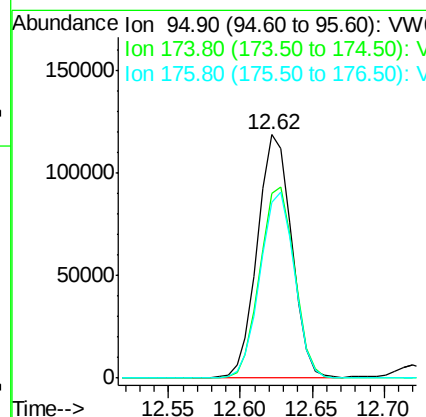
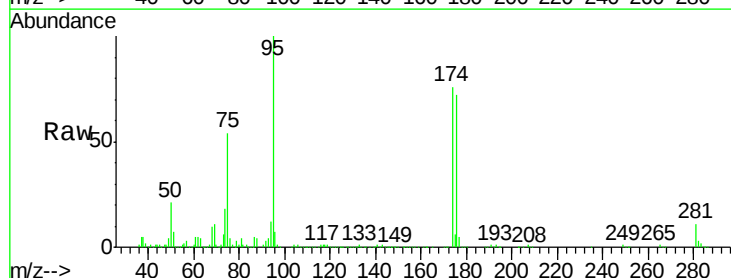
Manual Integrations
 APPROVED

apatel
 7/17/2018 10:31:48 AM



#62
 4-Bromofluorobenzene
 Concen: 51.71 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 95 Resp: 192676
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 160.2
 176 77.2 0.0 155.8





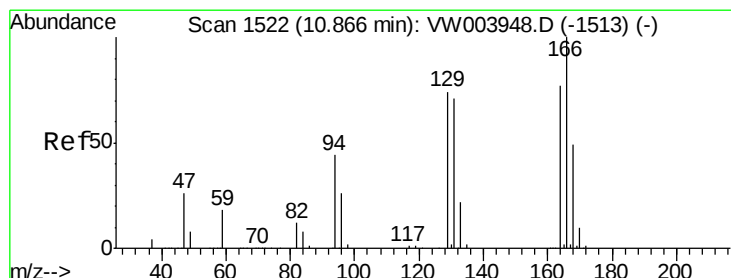
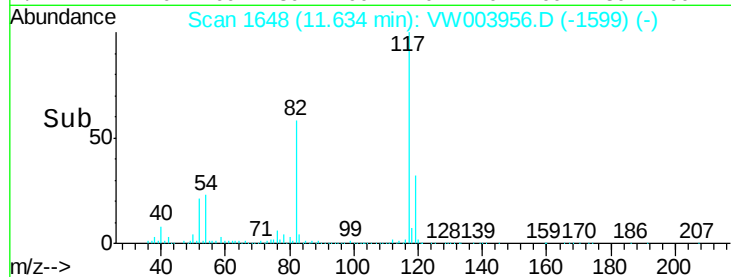
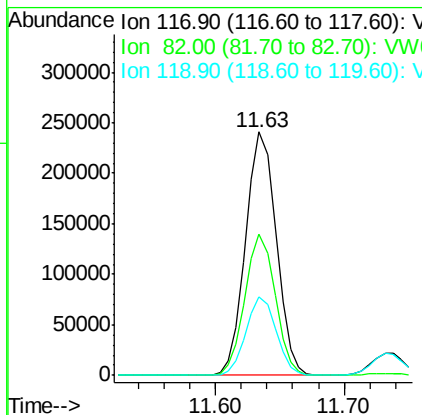
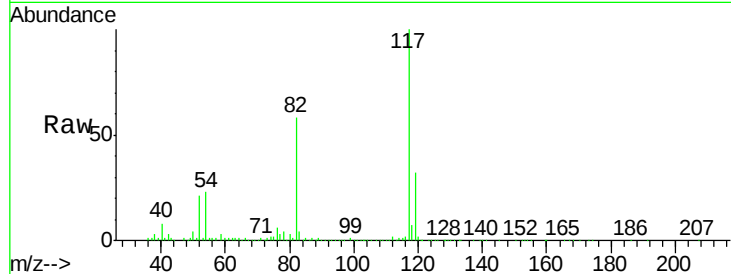
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	32.1	26.2	39.2

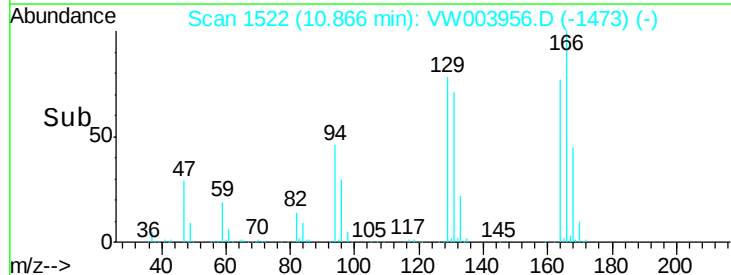
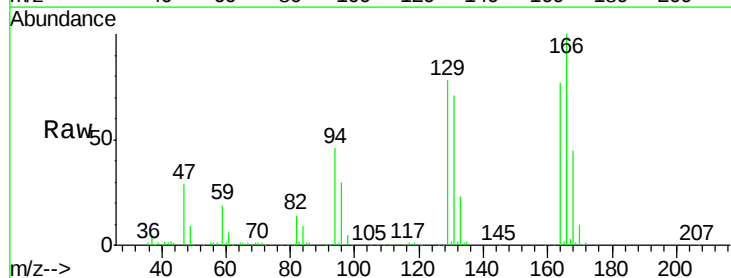
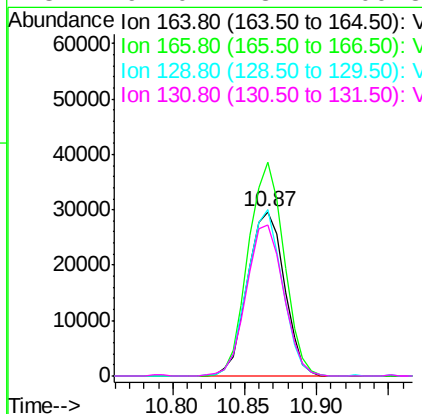
Manual Integrations
APPROVED

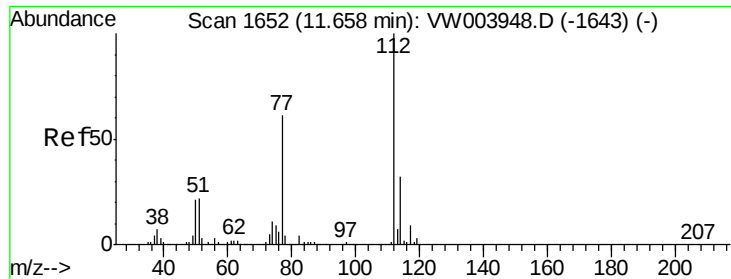
apatel
7/17/2018 10:31:48 AM



#64
Tetrachloroethene
Concen: 19.32 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.5	155.3
129	100.9	76.8	115.2
131	92.0	73.2	109.8





#65

Chlorobenzene

Concen: 19.54 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBS01

Tot Ion:112 Resp: 164762

Ion Ratio Lower Upper

112 100

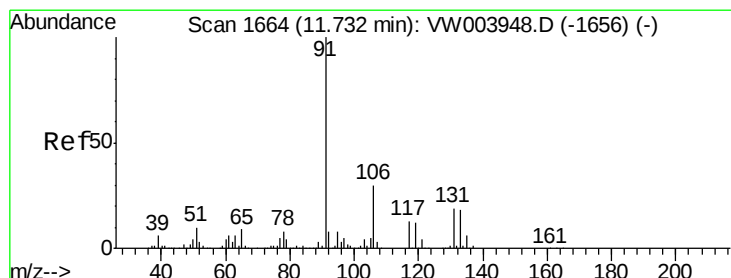
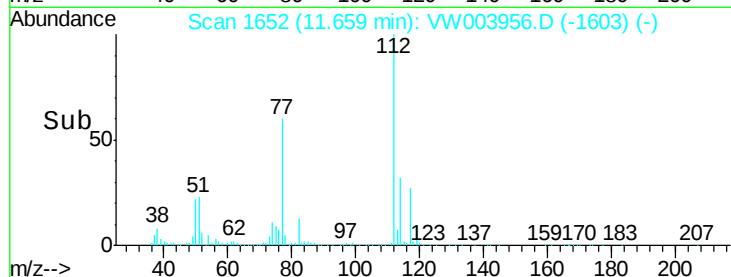
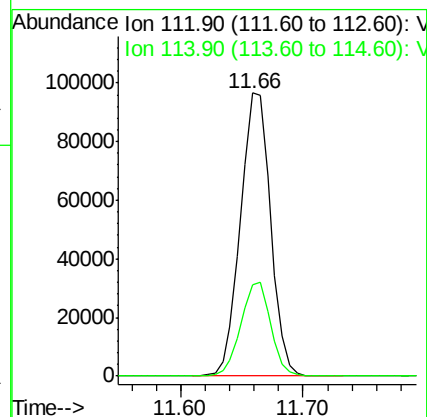
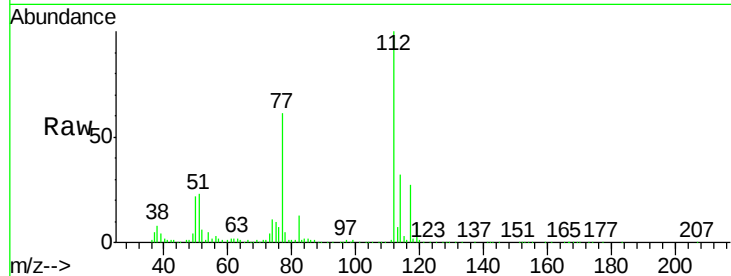
114 32.3 25.2 37.8

Manual Integrations

APPROVED

apatel

7/17/2018 10:31:48 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.14 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

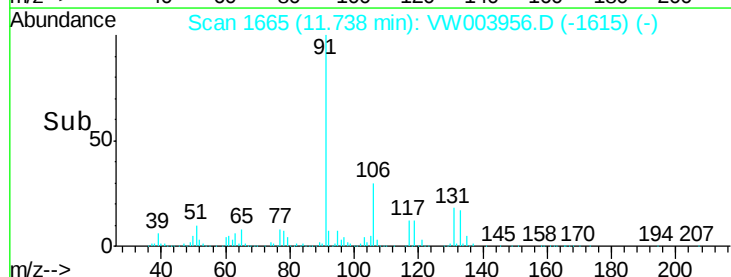
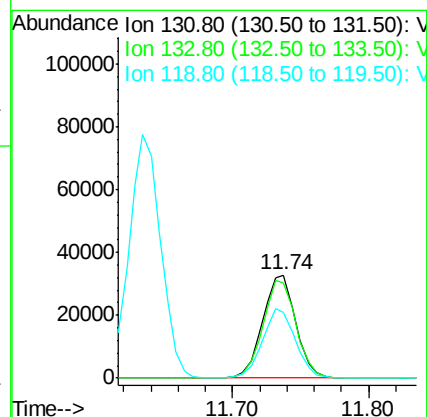
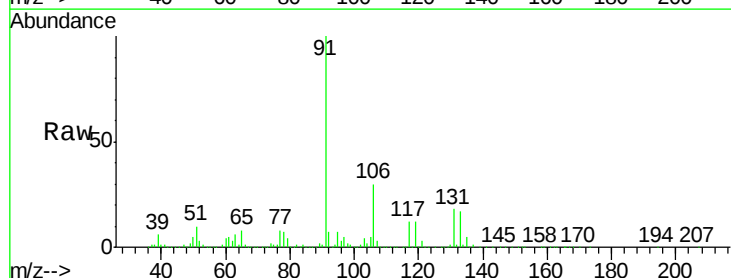
Tgt Ion:131 Resp: 56085

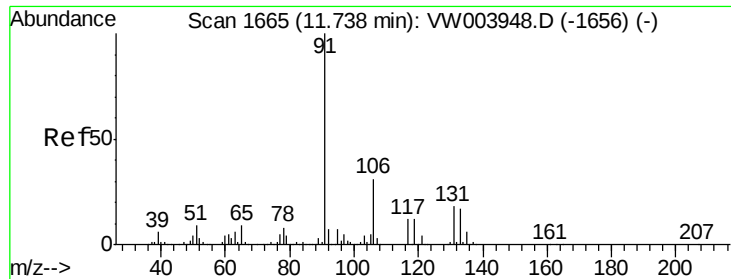
Ion Ratio Lower Upper

131 100

133 95.1 47.9 143.8

119 65.9 32.5 97.5





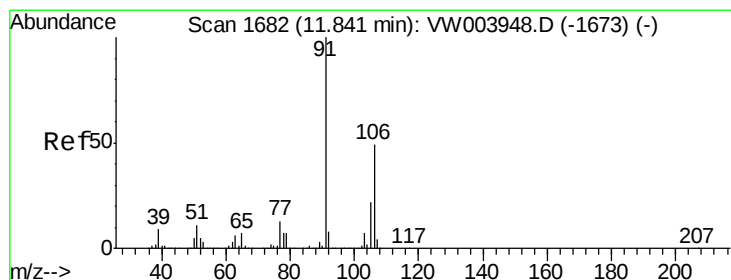
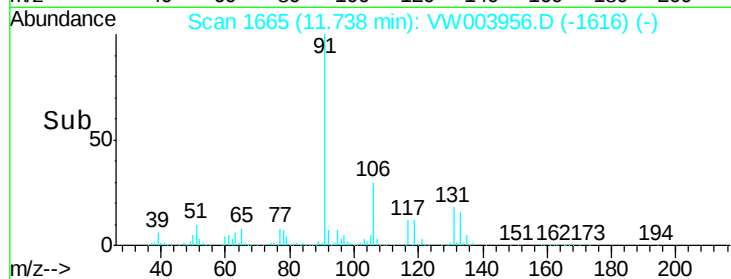
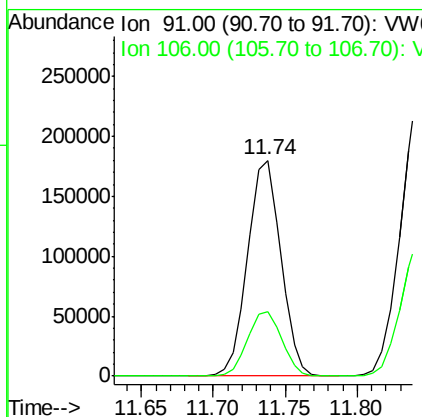
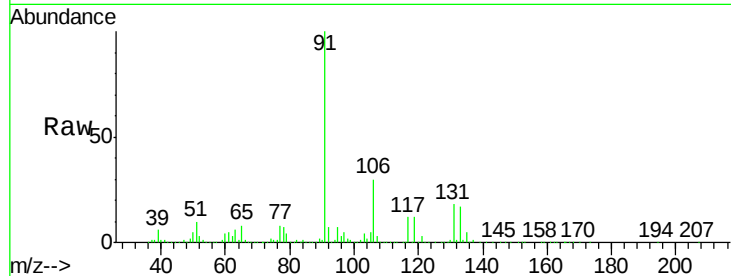
#67
Ethyl Benzene
Concen: 19.35 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion: 91 Resp: 286663
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.4

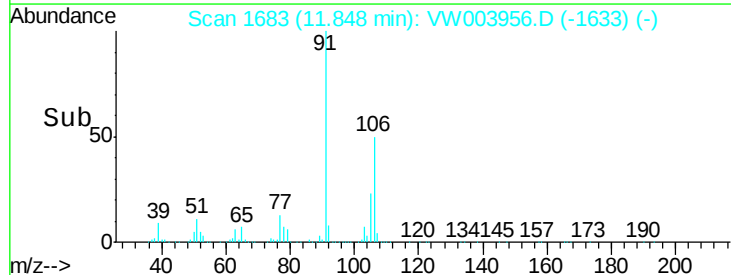
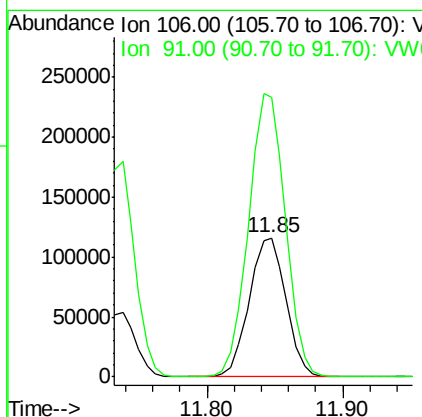
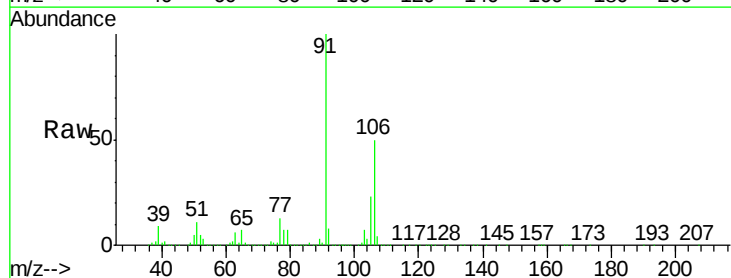
Manual Integrations
APPROVED

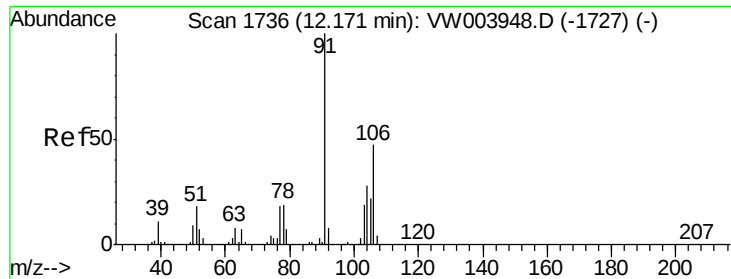
apatel
7/17/2018 10:31:48 AM



#68
m/p-Xylenes
Concen: 38.65 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 106 Resp: 218828
Ion Ratio Lower Upper
106 100
91 203.5 164.2 246.2





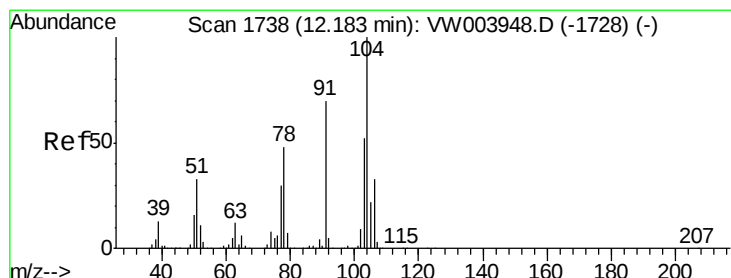
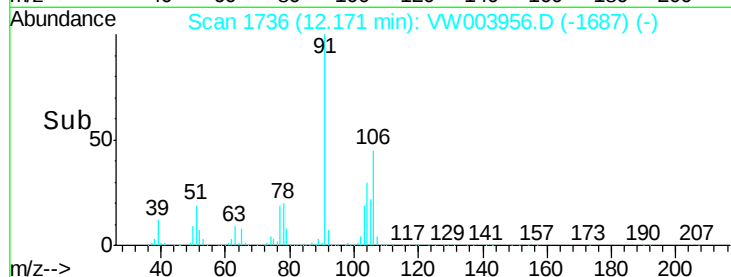
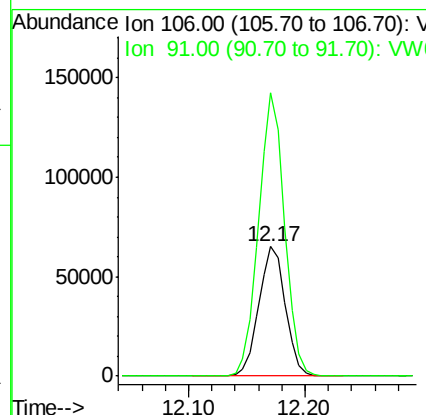
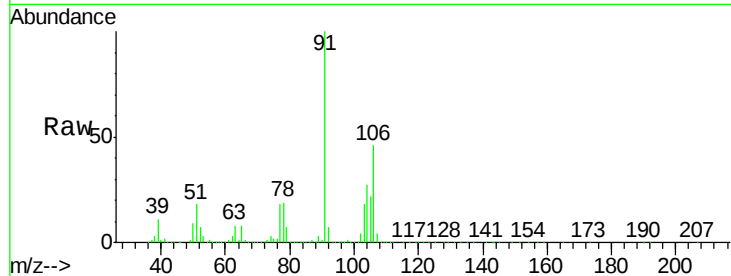
#69
o-Xylene
Concen: 19.77 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion:106 Resp: 103855
Ion Ratio Lower Upper
106 100
91 212.7 107.5 322.6

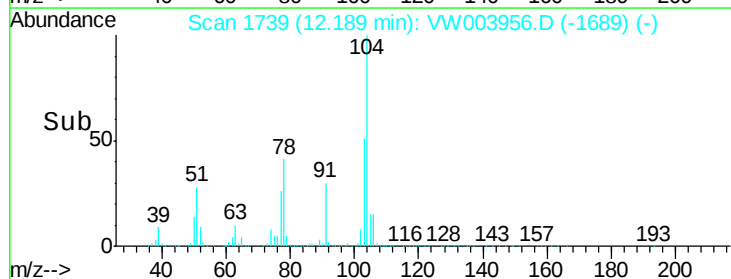
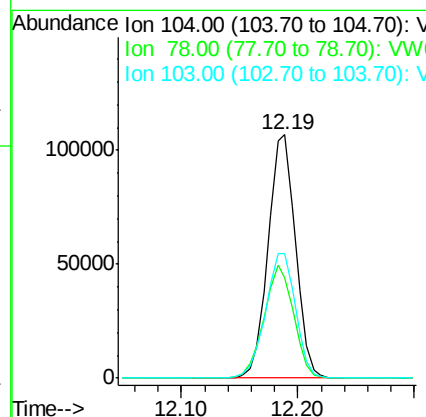
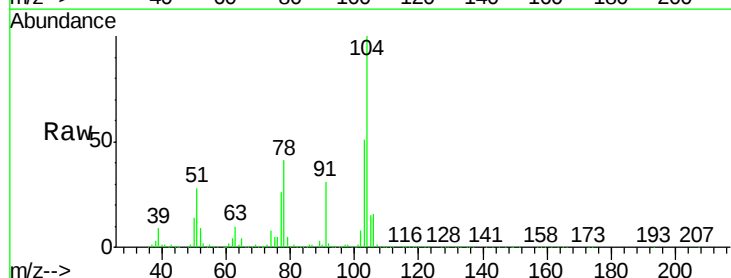
Manual Integrations
APPROVED

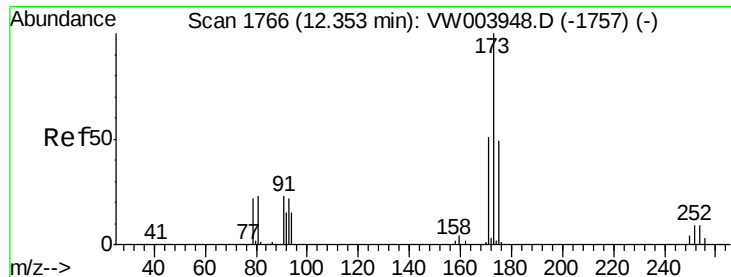
apatel
7/17/2018 10:31:48 AM



#70
Styrene
Concen: 19.79 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion:104 Resp: 173649
Ion Ratio Lower Upper
104 100
78 50.2 41.0 61.4
103 56.5 44.6 67.0





#71

Bromoform

Concen: 19.81 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

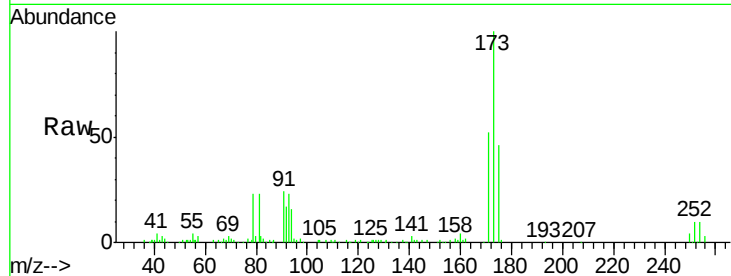
ClientSampleId :

VW0716SBS01

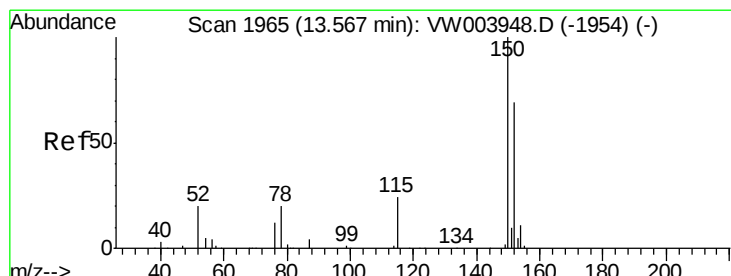
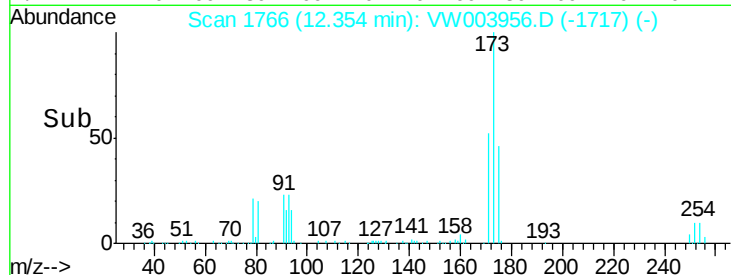
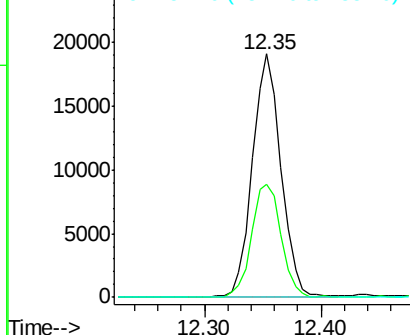
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

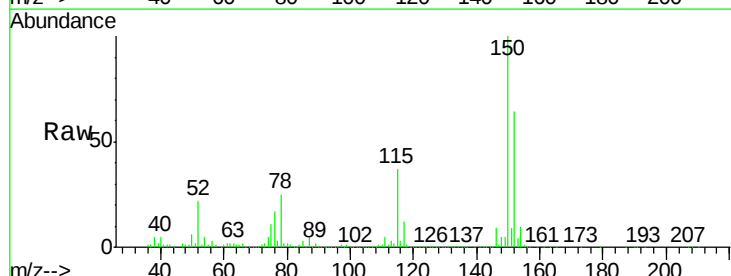
RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

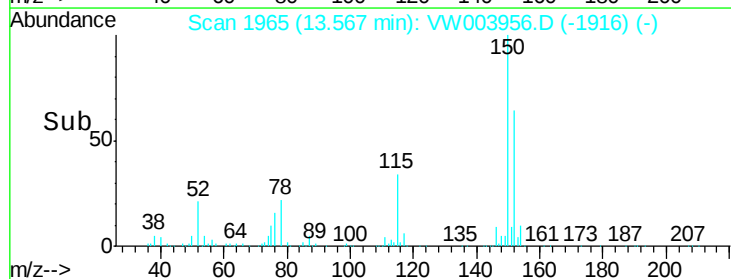
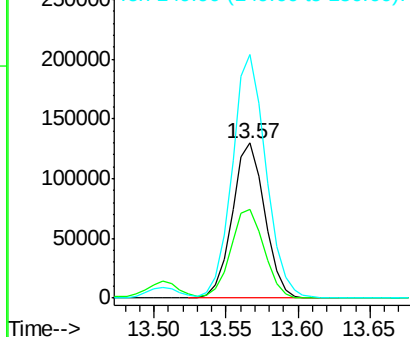
Lab File: VW003956.D

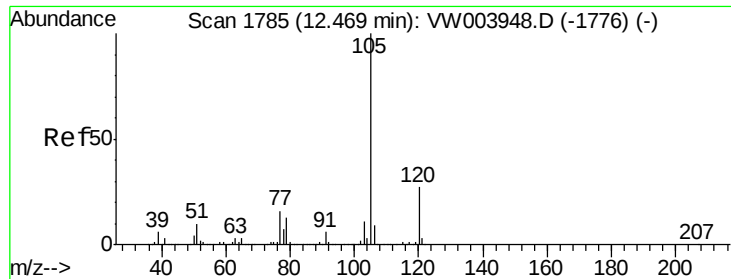
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.2	87.6
150	163.0	0.0	345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





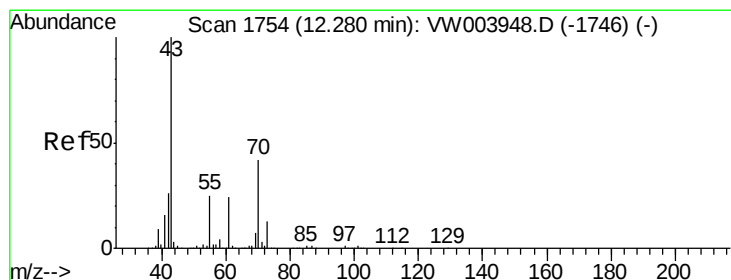
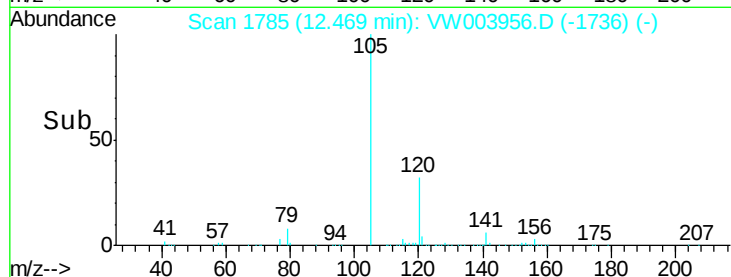
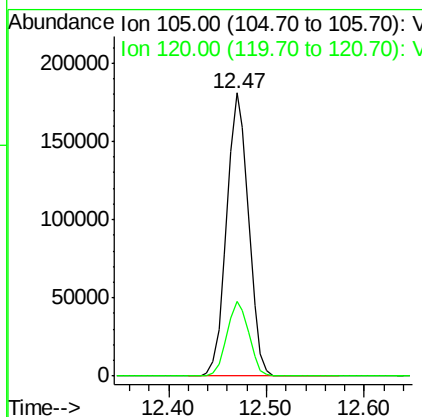
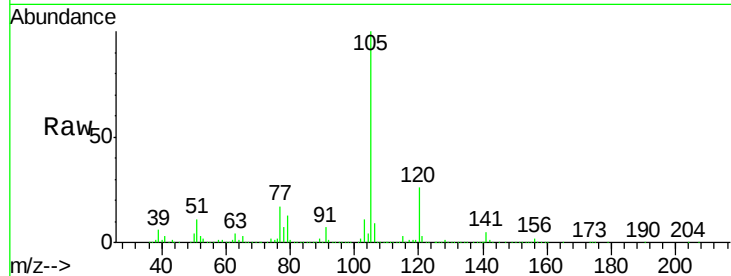
#73
Isopropylbenzene
Concen: 19.45 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

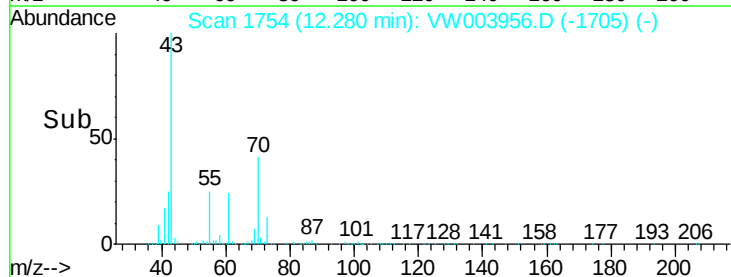
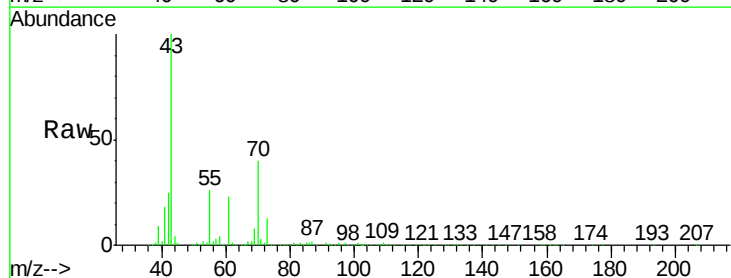
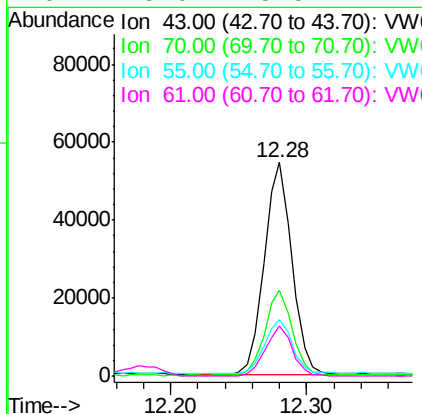
Manual Integrations
APPROVED

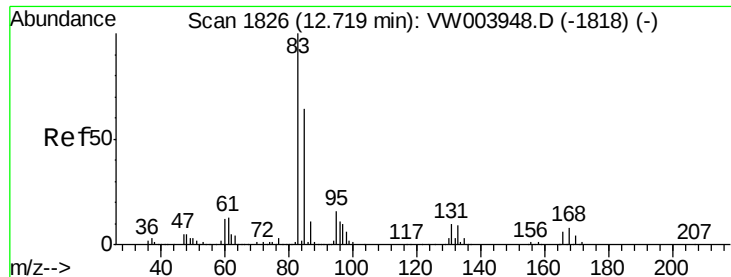
apatel
7/17/2018 10:31:48 AM



#74
N-ethyl acetate
Concen: 20.78 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.4	31.6	47.4
55	25.8	20.0	30.0
61	23.0	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.49 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

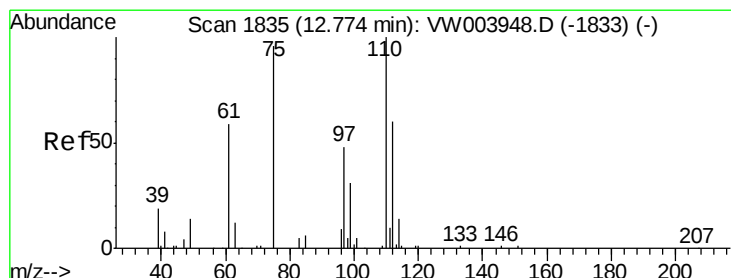
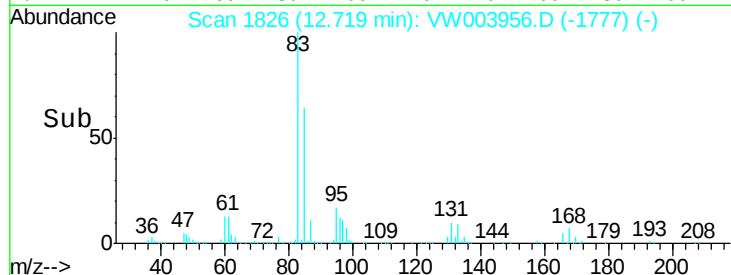
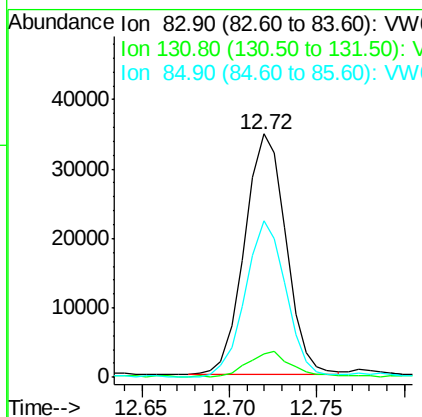
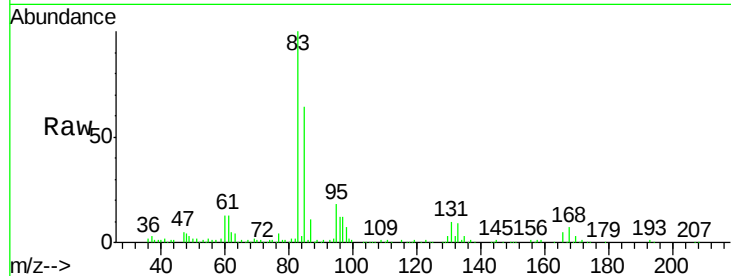
ClientSampleId :

VW0716SBS01

Tot Ion:	83	Resp:	57091
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.3	15.8
85	63.8	32.2	96.6

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



#76

1,2,3-Trichloropropane

Concen: 22.66 ug/l m

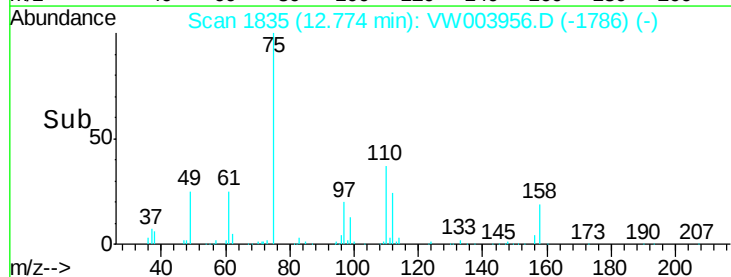
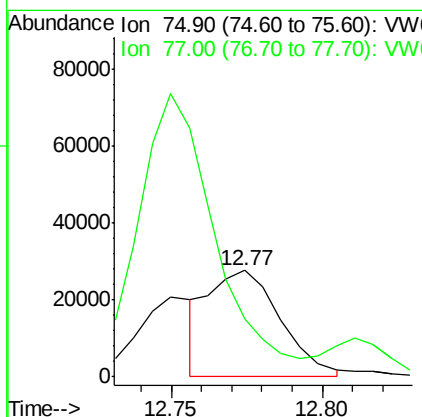
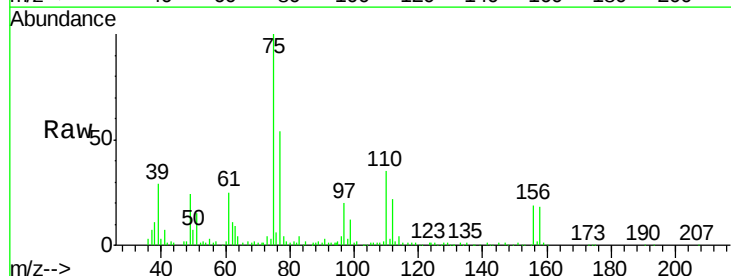
RT: 12.77 min Scan# 1835

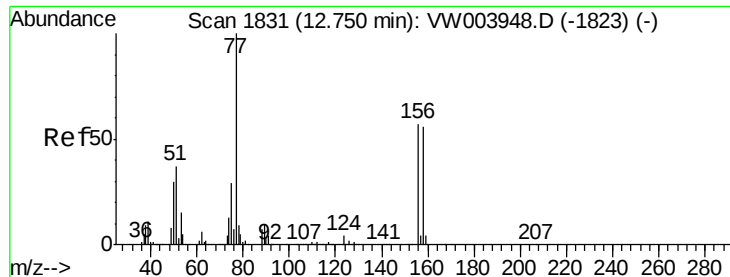
Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:	75	Resp:	45876
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.45 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBS01

Tot Ion:156 Resp: 67073

Ion Ratio Lower Upper

156 100

77 195.1 96.2 288.6

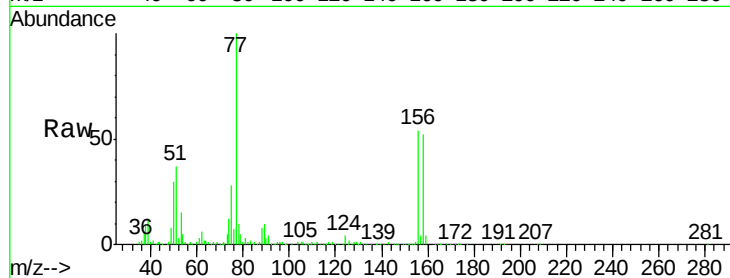
158 96.6 48.5 145.5

Manual Integrations

APPROVED

apatel

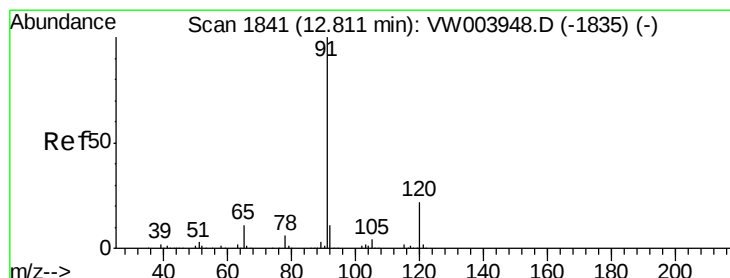
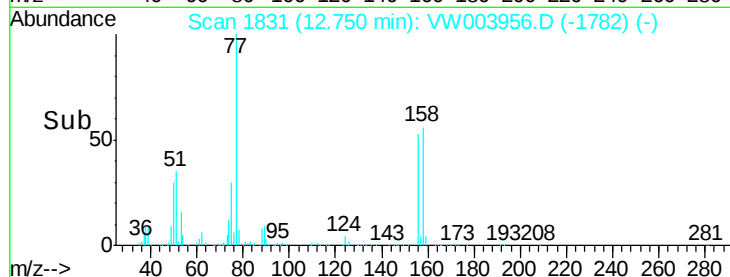
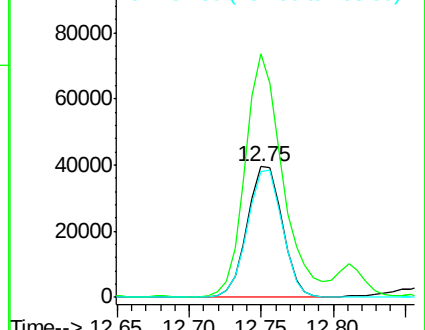
7/17/2018 10:31:48 AM



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: 19.62 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003956.D

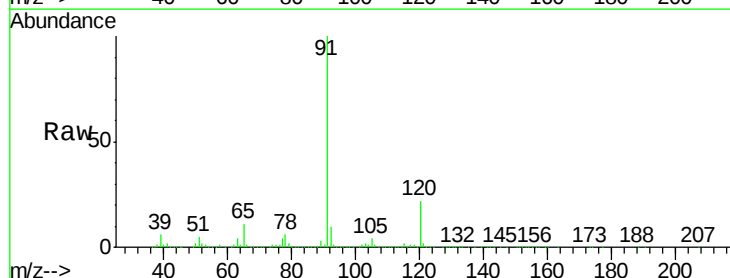
Acq: 16 Jul 2018 17:31

Tgt Ion: 91 Resp: 346953

Ion Ratio Lower Upper

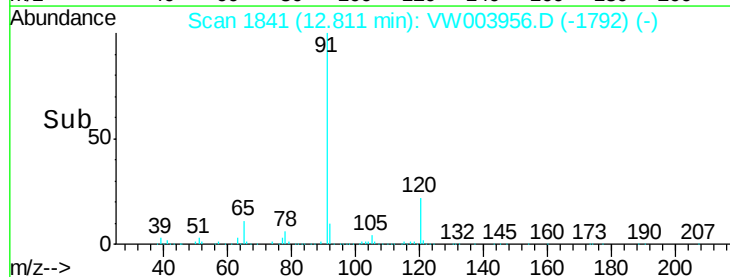
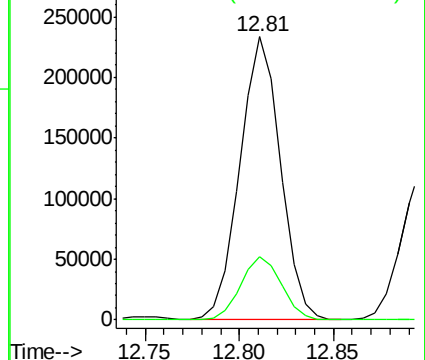
91 100

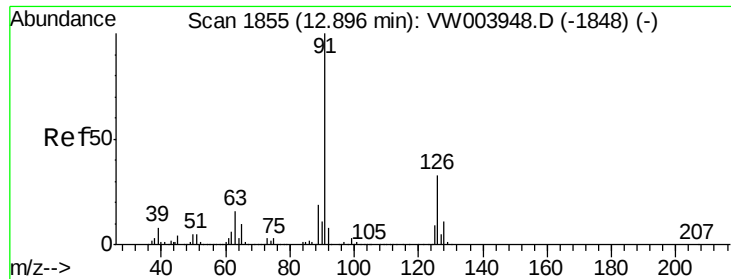
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.00 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBS01

Tot Ion: 91 Resp: 199414

Ion Ratio Lower Upper

91 100

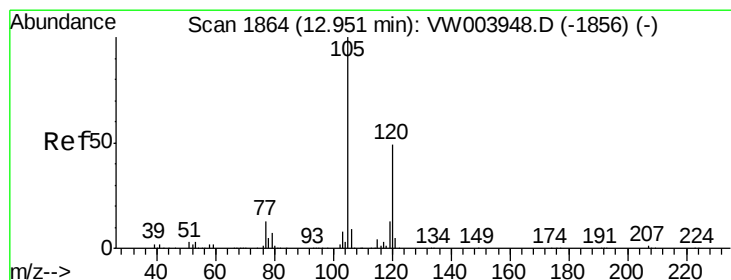
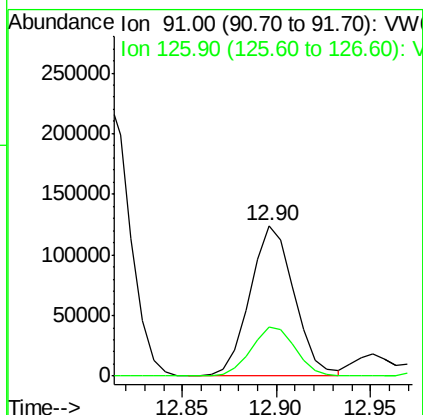
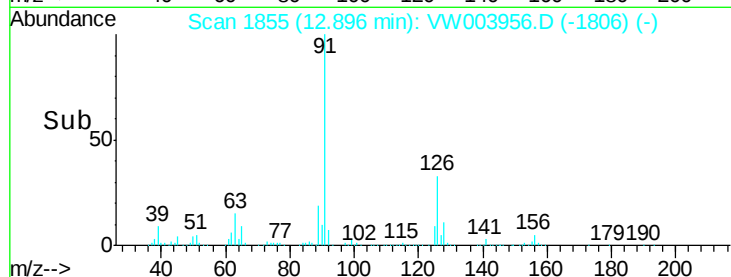
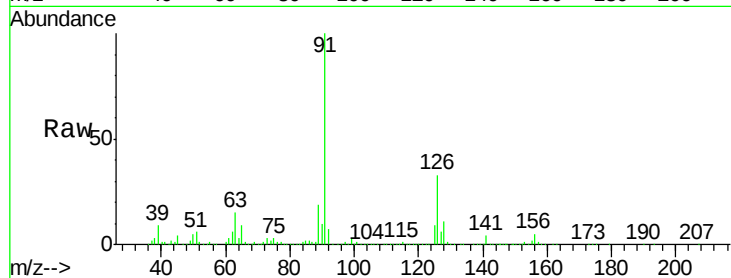
126 33.5 17.0 51.0

Manual Integrations

APPROVED

apatel

7/17/2018 10:31:48 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.69 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003956.D

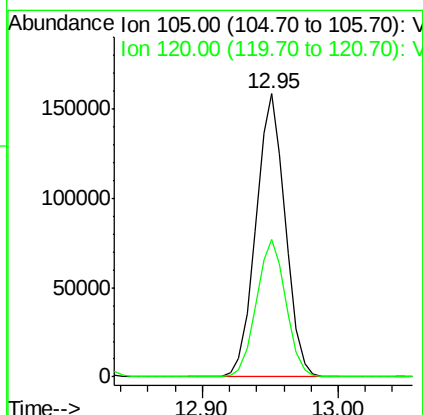
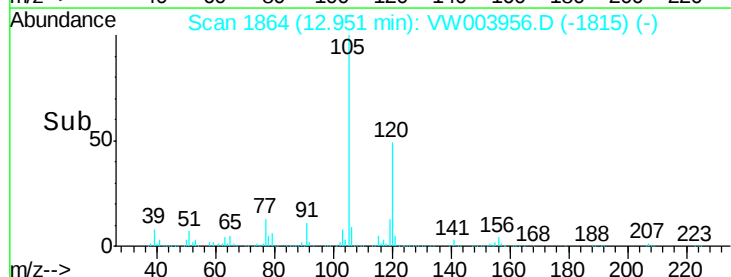
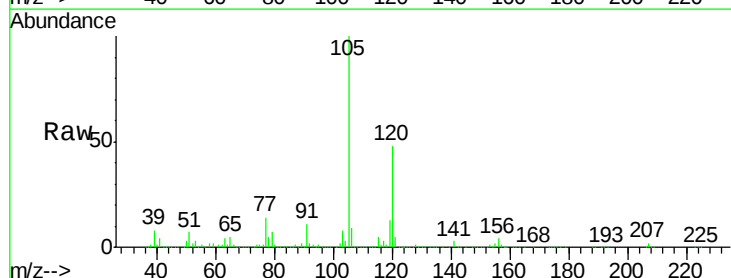
Acq: 16 Jul 2018 17:31

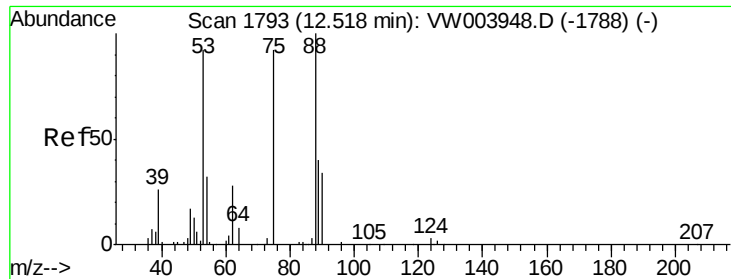
Tgt Ion: 105 Resp: 238795

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





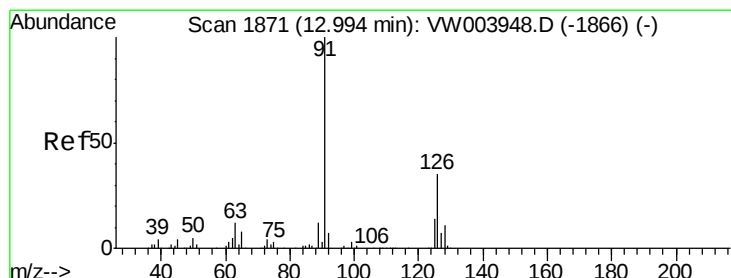
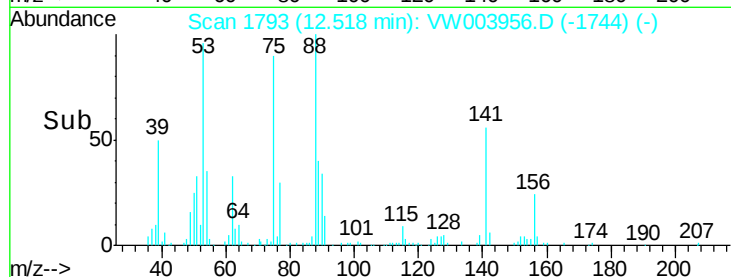
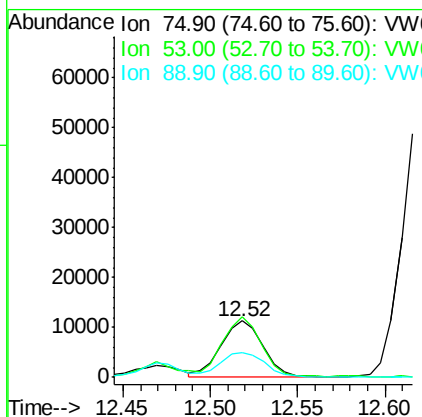
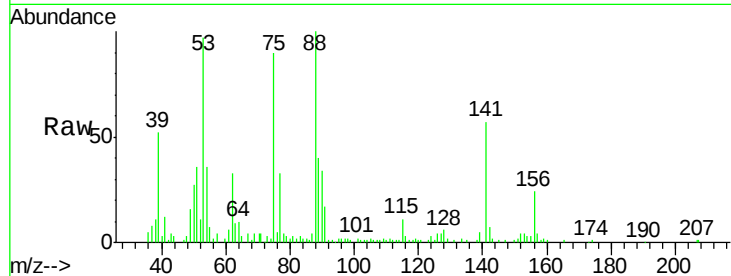
#81
trans-1,4-Dichloro-2-butene
Concen: 20.00 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	77.6	116.4
89	48.3	36.6	54.8

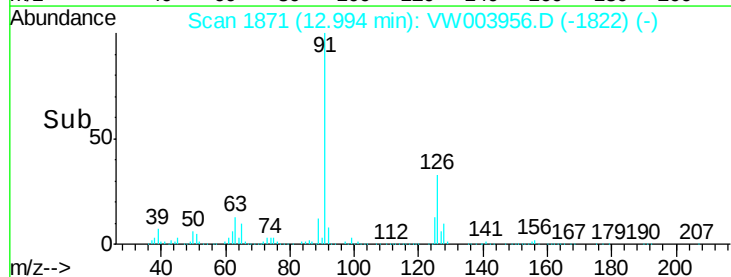
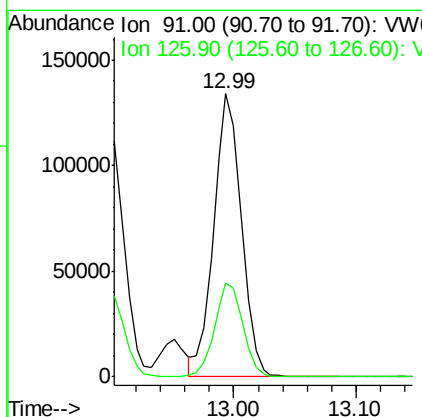
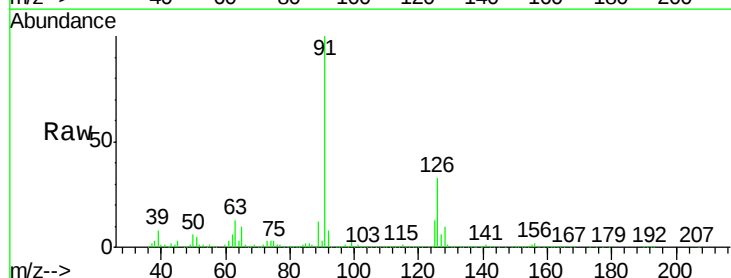
Manual Integrations
APPROVED

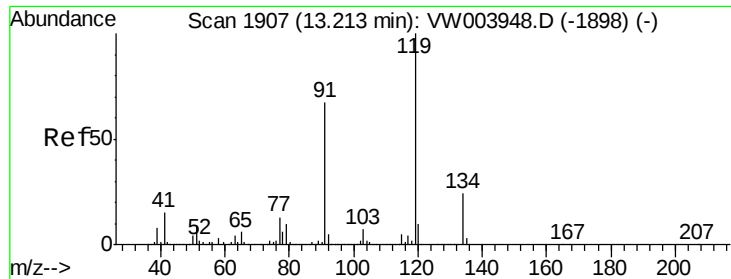
apatel
7/17/2018 10:31:48 AM



#82
4-Chlorotoluene
Concen: 19.62 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.7	50.0





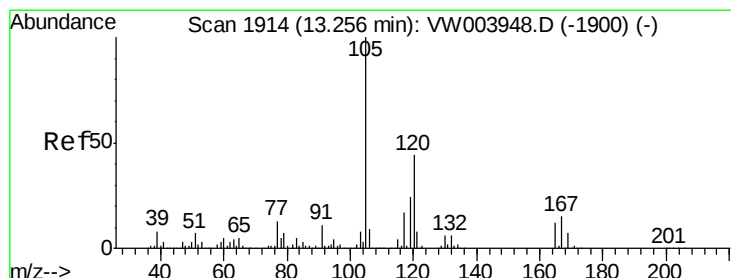
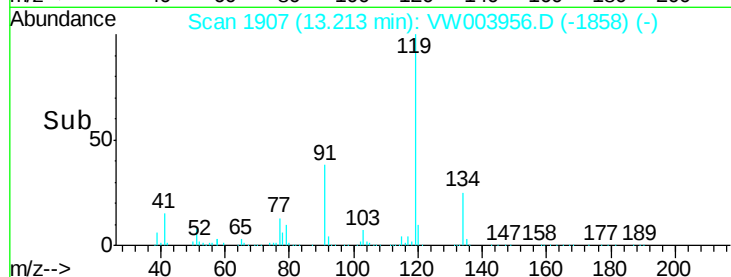
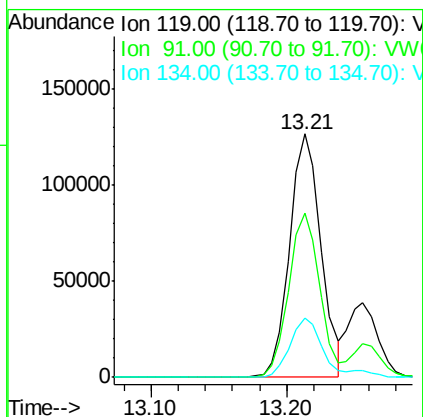
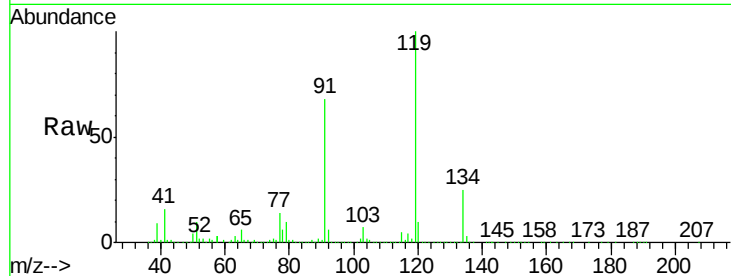
#83
tert-Butylbenzene
Concen: 19.78 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.7	33.2	99.6
134	26.7	13.0	38.9

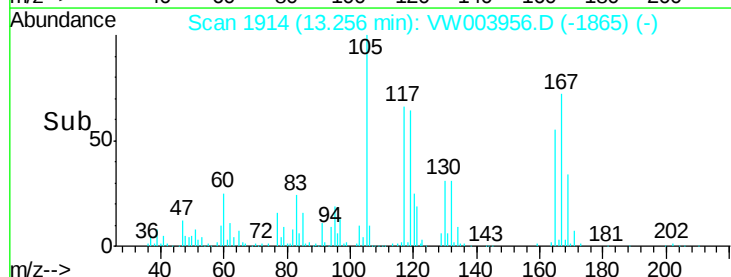
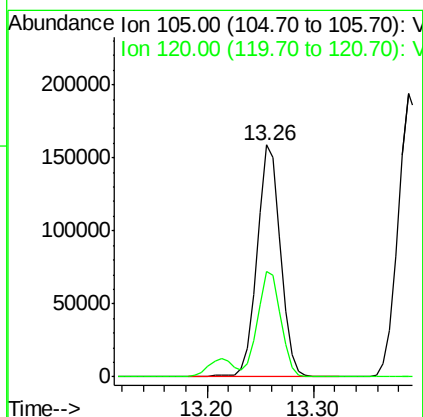
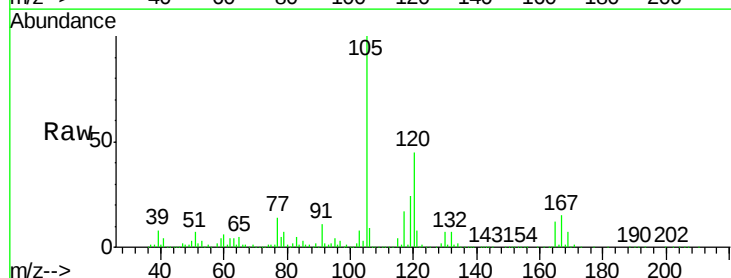
Manual Integrations
APPROVED

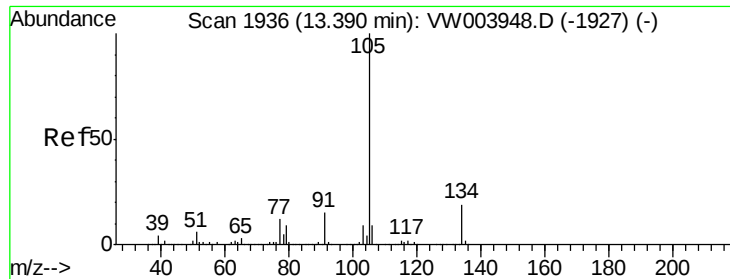
apatel
7/17/2018 10:31:48 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.60 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.1	66.1





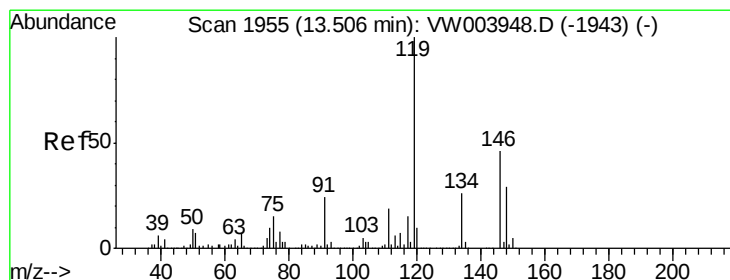
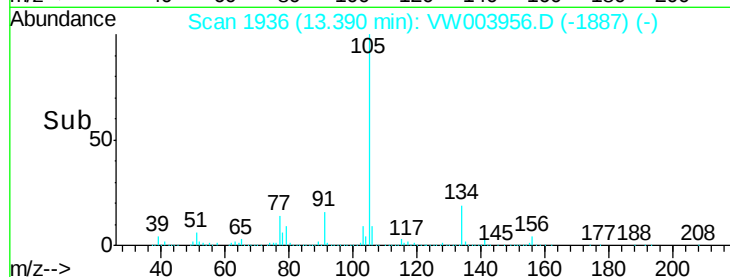
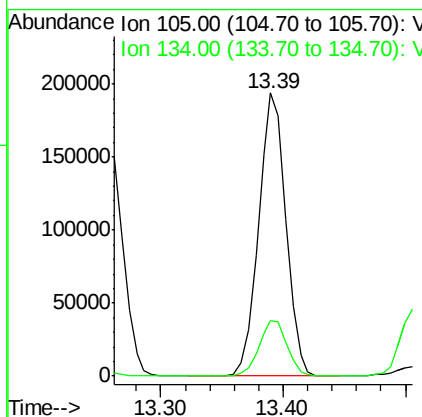
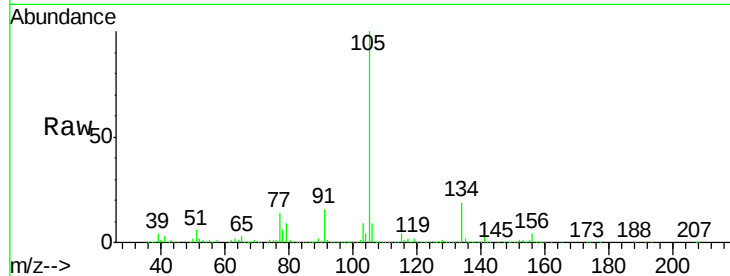
#85
 sec-Butylbenzene
 Concen: 19.87 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	300189		
134	20.2	9.8	29.4	

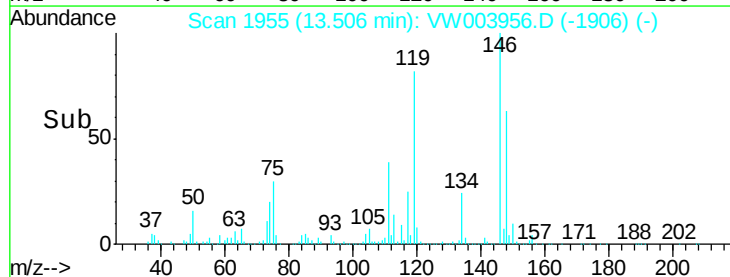
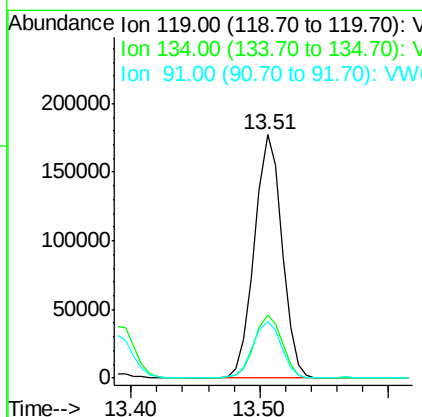
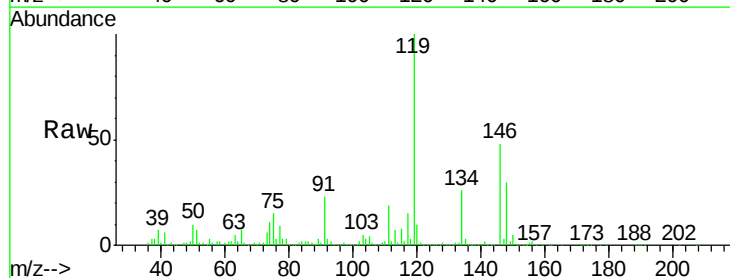
Manual Integrations
 APPROVED

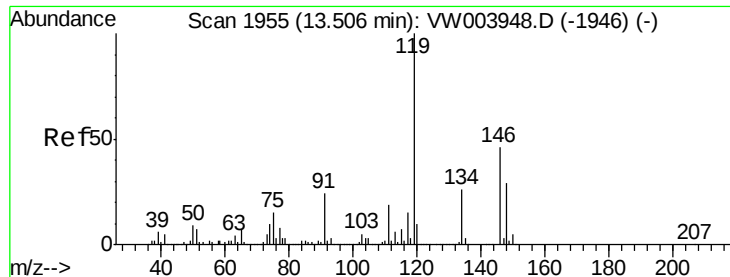
apatel
 7/17/2018 10:31:48 AM



#86
 p-Isopropyltoluene
 Concen: 19.66 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	260579		
134	26.4	13.0	38.9	
91	23.8	11.8	35.3	





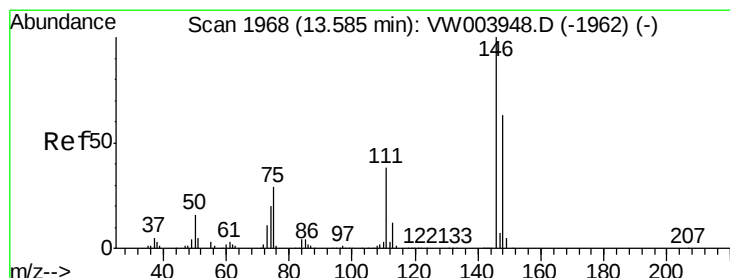
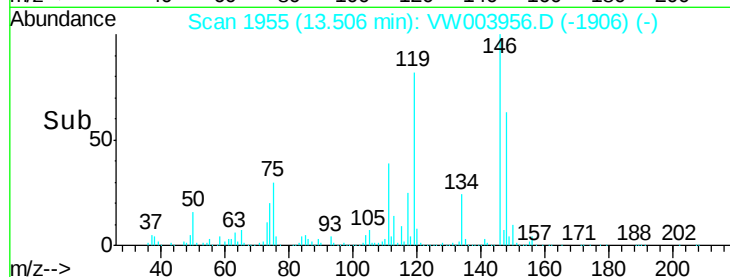
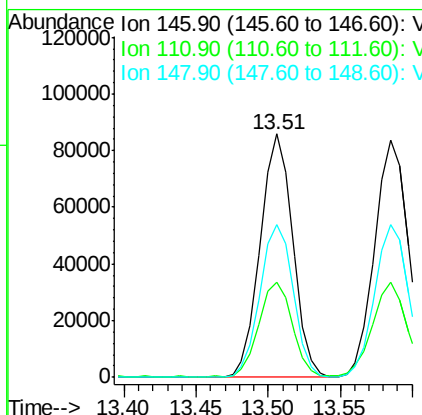
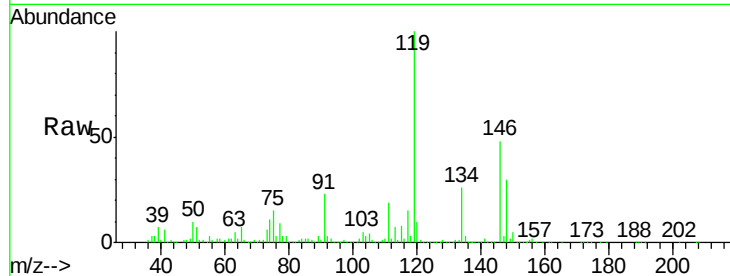
#87
 1,3-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	134414		
111	39.9	19.9	59.6	
148	64.2	31.9	95.5	

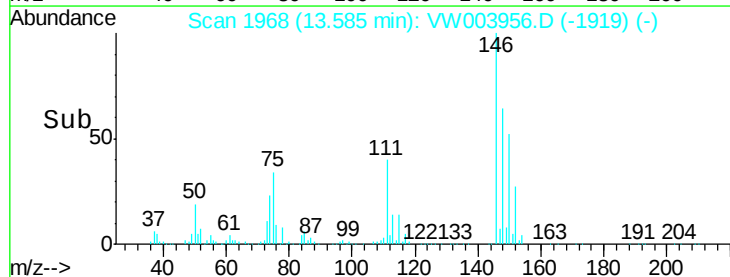
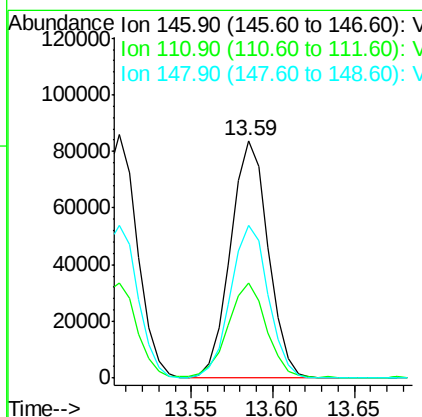
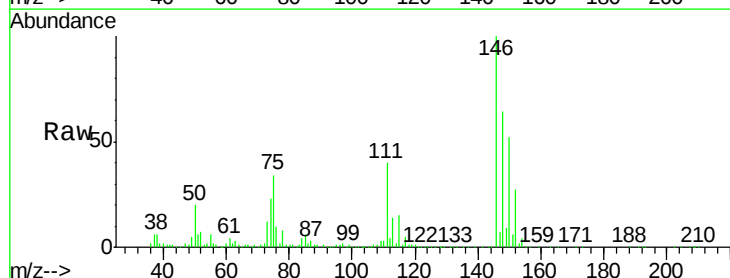
Manual Integrations
 APPROVED

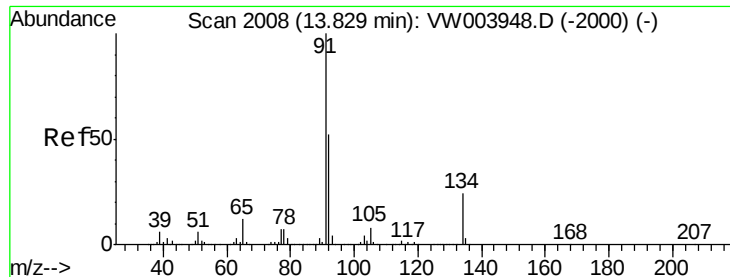
apatel
 7/17/2018 10:31:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.53 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	134874		
111	40.6	19.6	58.7	
148	64.3	32.3	96.8	





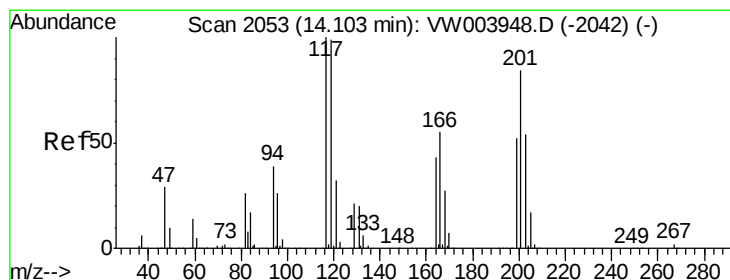
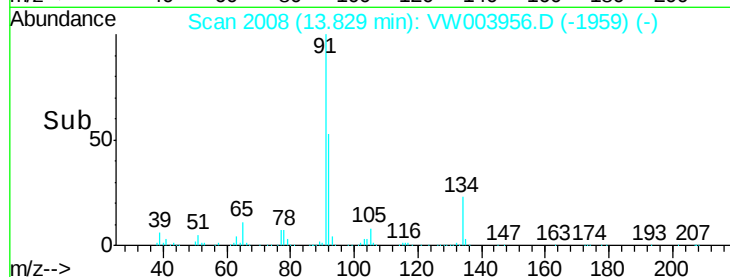
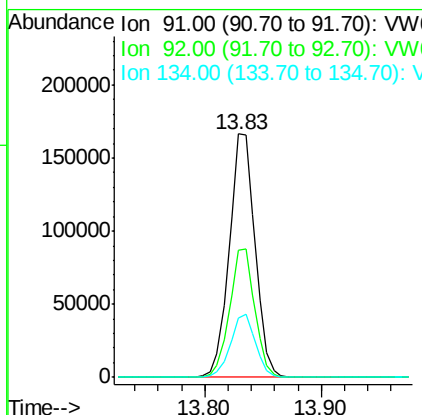
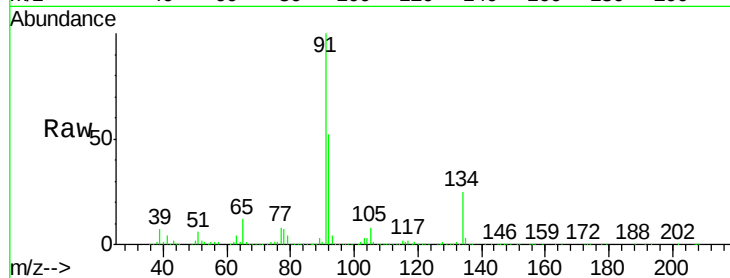
#89
n-Butylbenzene
Concen: 19.53 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.3
134	25.4	12.4	37.4

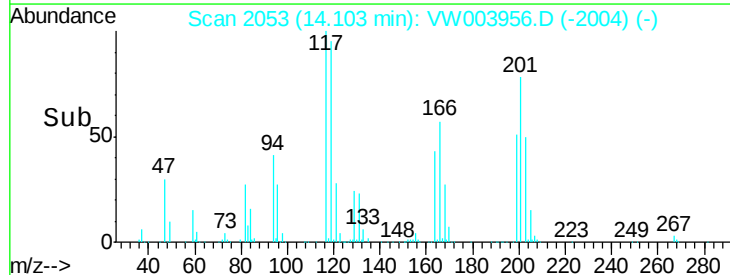
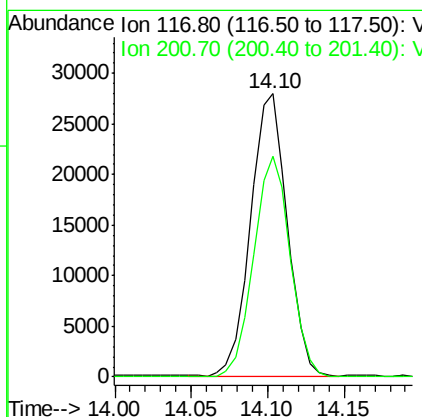
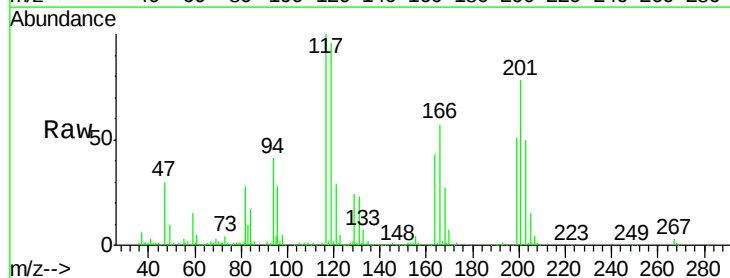
Manual Integrations
APPROVED

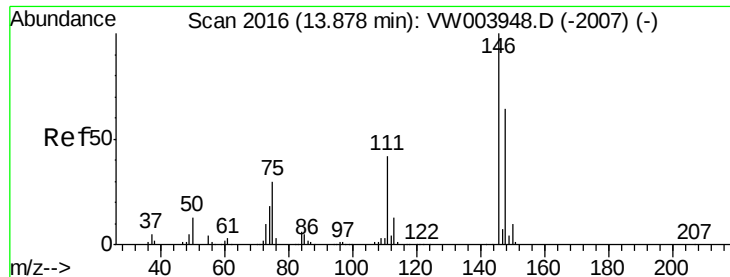
apatel
7/17/2018 10:31:48 AM



#90
Hexachloroethane
Concen: 18.94 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	40.3	120.9





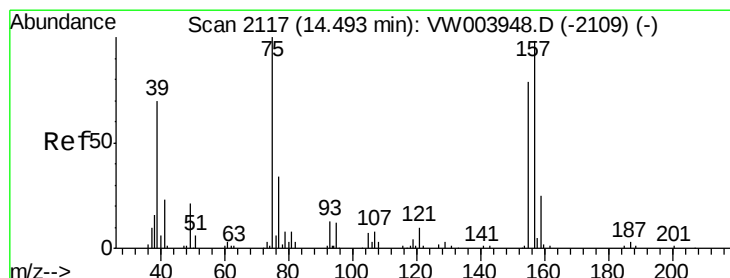
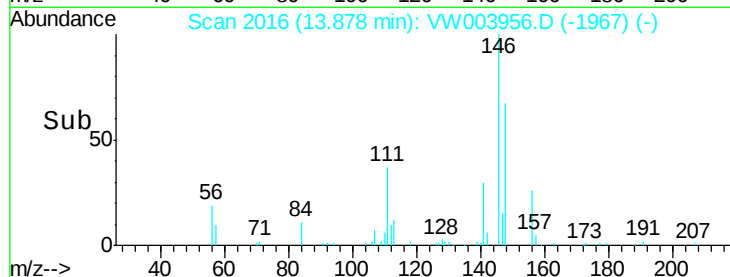
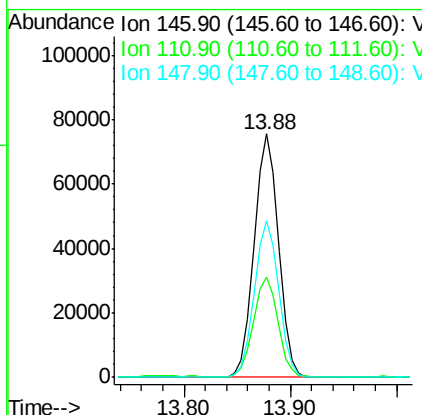
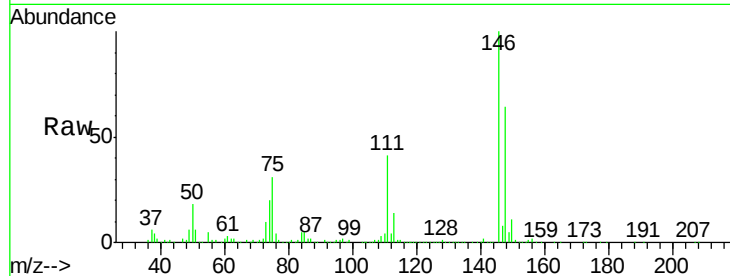
#91
 1,2-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.7	62.1
148	64.5	32.0	96.2

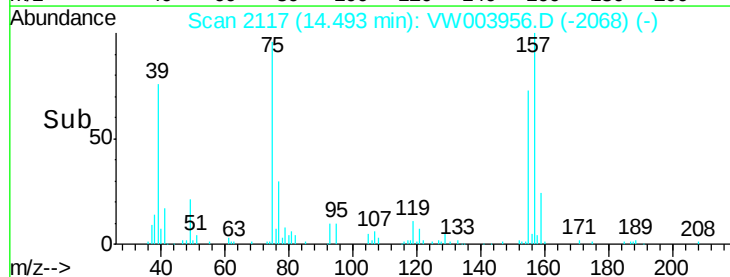
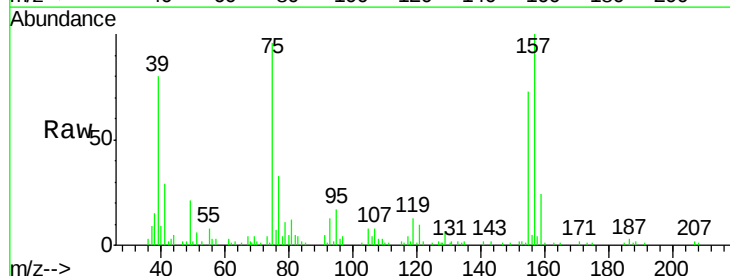
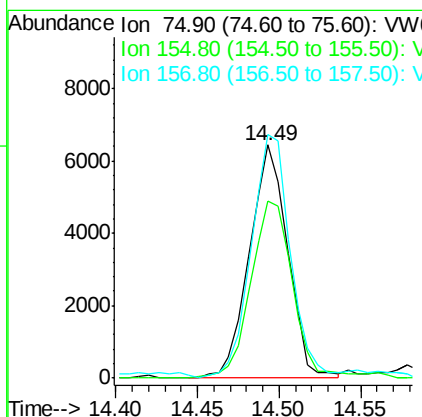
Manual Integrations
 APPROVED

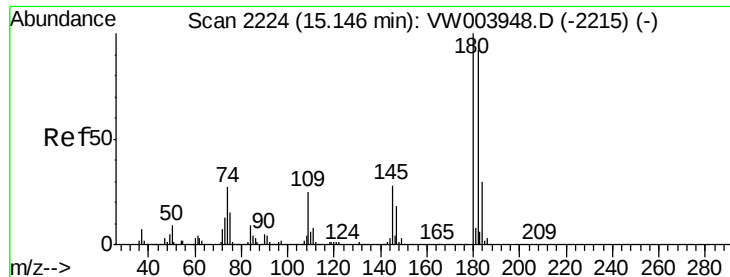
apatel
 7/17/2018 10:31:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.32 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	39.4	118.1
157	106.4	51.8	155.4





#93

1,2,4-Trichlorobenzene

Concen: 20.76 ug/l

RT: 15.15 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

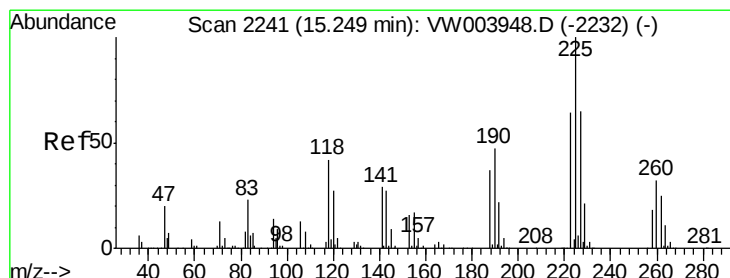
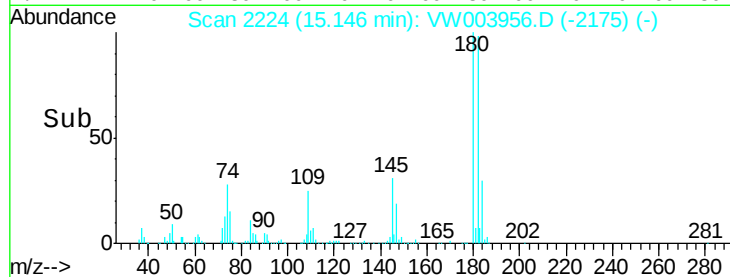
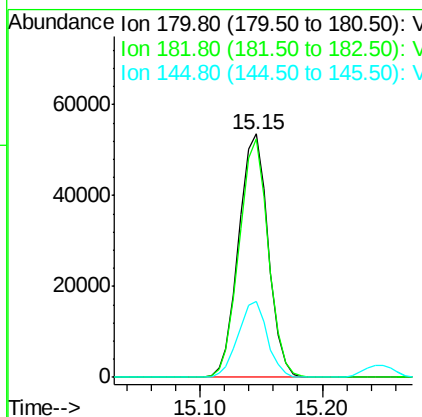
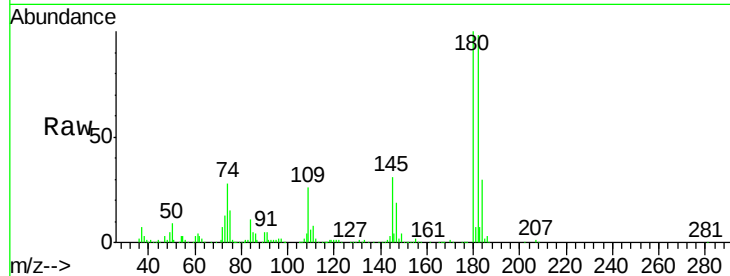
ClientSampleId :

VW0716SBS01

Tot Ion:	180	Resp:	89455
Ion Ratio	Lower	Upper	
180	100		
182	96.9	46.9	140.8
145	31.1	15.0	45.0

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



#94

Hexachlorobutadiene

Concen: 19.33 ug/l

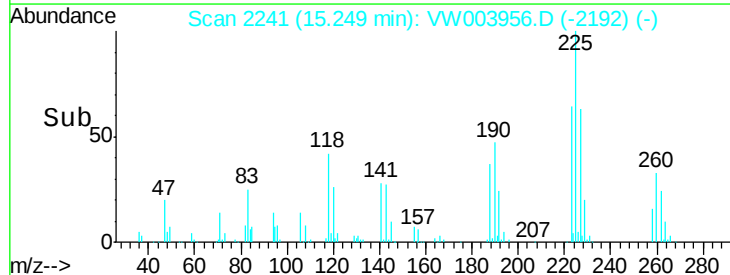
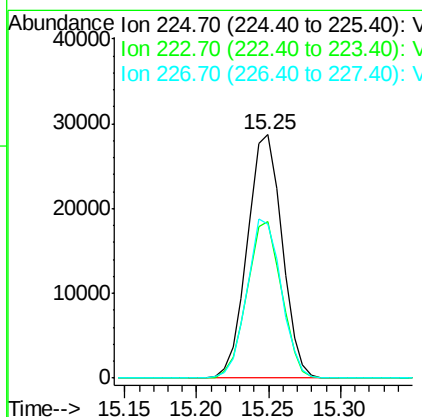
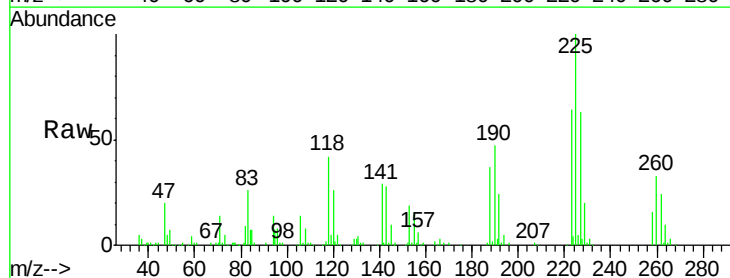
RT: 15.25 min Scan# 2241

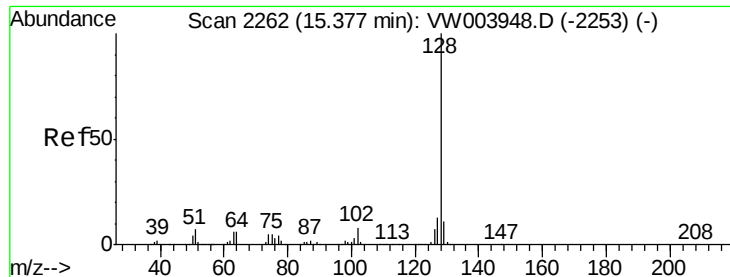
Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:	225	Resp:	47843
Ion Ratio	Lower	Upper	
225	100		
223	63.7	32.0	96.2
227	64.7	32.3	96.9





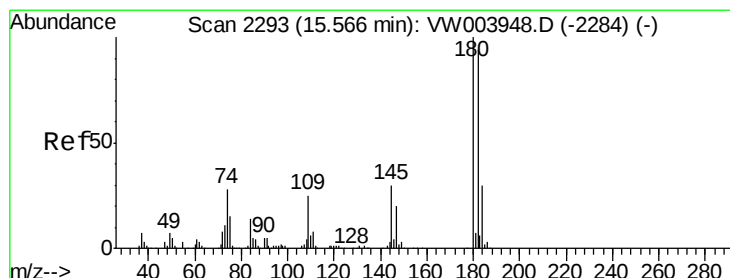
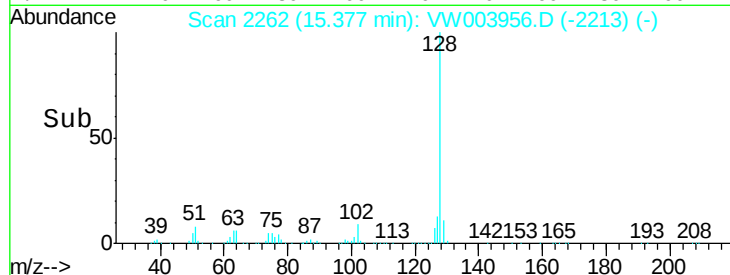
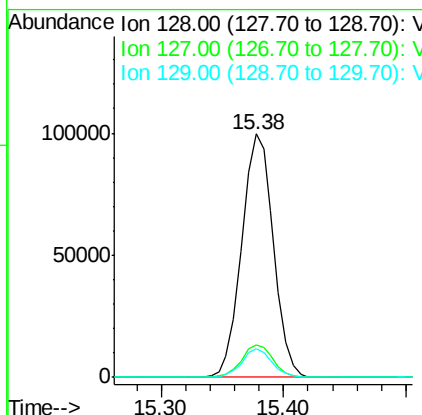
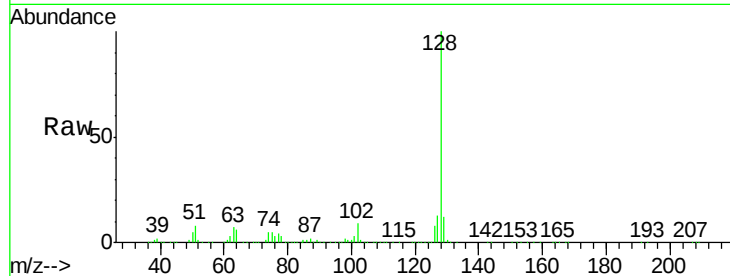
#95
Naphthalene
Concen: 22.39 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	178119		
127	13.3	10.7	16.1	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

apatel
7/17/2018 10:31:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.78 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79278		
182	94.2	47.5	142.6	
145	32.2	15.8	47.4	

