

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002568.D
 Acq On : 16 May 2018 00:32
 Operator : JC/SY
 Sample : VW0515SBS03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

Manual Integrations
 APPROVED

apatel
 5/16/2018 12:27:06 PM

Quant Time: May 16 07:30:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	313266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	289498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	112622	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	7.88	113	102739	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	10.33	98	390408	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.63	95	140219	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	15668	19.50	ug/l	96
3) Chloromethane	2.21	50	30729	20.00	ug/l	92
4) Vinyl Chloride	2.35	62	47867	19.86	ug/l	97
5) Bromomethane	2.76	94	41935	21.23	ug/l	90
6) Chloroethane	2.92	64	34800	20.99	ug/l	97
7) Trichlorofluoromethane	3.24	101	17006	16.02	ug/l	98
8) Diethyl Ether	3.67	74	28960	22.79	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	37083	21.08	ug/l	98
10) Methyl Iodide	4.26	142	56884	20.29	ug/l	98
11) Tert butyl alcohol	5.19	59	16960	102.56	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	35889	20.61	ug/l	98
13) Acrolein	3.89	56	13719	84.21	ug/l	92
14) Allyl chloride	4.65	41	47493	18.38	ug/l	97
15) Acrylonitrile	5.37	53	48090	104.96	ug/l	99
16) Acetone	4.12	43	41891	92.24	ug/l	98
17) Carbon Disulfide	4.37	76	96759	20.20	ug/l	99
18) Methyl Acetate	4.67	43	24989	18.87	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	64629	20.20	ug/l	100
20) Methylene Chloride	4.90	84	39892	20.45	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	39151	20.80	ug/l	94
22) Diisopropyl ether	6.31	45	116536	20.36	ug/l	99
23) Vinyl Acetate	6.26	43	343746	99.10	ug/l	100
24) 1,1-Dichloroethane	6.21	63	71023	20.59	ug/l	97
25) 2-Butanone	7.18	43	64538	100.49	ug/l	97
26) 2,2-Dichloropropane	7.16	77	32869	17.00	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	43492	20.25	ug/l	99
28) Bromochloromethane	7.51	49	33331	21.65	ug/l	98
29) Tetrahydrofuran	7.53	42	41401	103.20	ug/l	98
30) Chloroform	7.67	83	75619	20.53	ug/l	95
31) Cyclohexane	7.95	56	59978	19.63	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	56094	20.19	ug/l	99
36) 1,1-Dichloropropene	8.08	75	55967	20.25	ug/l	100
37) Ethyl Acetate	7.26	43	29345	21.40	ug/l	100
38) Carbon Tetrachloride	8.07	117	53732	19.85	ug/l	99

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002568.D
 Acq On : 16 May 2018 00:32
 Operator : JC/SY
 Sample : VW0515SBS03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

Manual Integrations
 APPROVED

apatel
 5/16/2018 12:27:06 PM

Quant Time: May 16 07:30:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63846	20.16	ug/l	95
40) Benzene	8.32	78	163114	20.55	ug/l	98
41) Methacrylonitrile	7.49	41	15783	20.57	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	52696	20.91	ug/l	99
43) Isopropyl Acetate	8.43	43	53134	20.15	ug/l	98
44) Trichloroethene	9.09	130	44864	20.63	ug/l	95
45) 1,2-Dichloropropane	9.37	63	40746	20.15	ug/l	97
46) Dibromomethane	9.46	93	24255	21.07	ug/l	98
47) Bromodichloromethane	9.65	83	55134	20.54	ug/l	100
48) Methyl methacrylate	9.44	41	25978	20.33	ug/l	99
49) 1,4-Dioxane	9.45	88	8044	419.39	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	149129	103.00	ug/l	100
52) Toluene	10.39	92	104975	20.92	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	52986	19.52	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	59376	19.62	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33536	20.68	ug/l	98
56) Ethyl methacrylate	10.65	69	40039	20.26	ug/l	98
57) 1,3-Dichloropropane	10.94	76	57420	21.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	103469	106.66	ug/l	98
59) 2-Hexanone	10.98	43	103197	103.24	ug/l	97
60) Dibromochloromethane	11.13	129	39222	20.50	ug/l	98
61) 1,2-Dibromoethane	11.24	107	32410	20.71	ug/l	98
64) Tetrachloroethene	10.87	164	47870	23.46	ug/l	96
65) Chlorobenzene	11.66	112	118681	20.58	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	42879	20.77	ug/l	99
67) Ethyl Benzene	11.74	91	196518	20.05	ug/l	100
68) m/p-Xylenes	11.85	106	156810	41.16	ug/l	99
69) o-Xylene	12.18	106	73289	20.24	ug/l	97
70) Styrene	12.19	104	122954	20.41	ug/l	99
71) Bromoform	12.36	173	25486	21.02	ug/l #	99
73) Isopropylbenzene	12.48	105	199431	20.25	ug/l	100
74) N-amyl acetate	12.28	43	51162	20.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	41577	20.84	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	30982m	20.51	ug/l	
77) Bromobenzene	12.76	156	52677	20.96	ug/l	97
78) n-propylbenzene	12.82	91	241568	20.31	ug/l	100
79) 2-Chlorotoluene	12.90	91	139732	20.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	173169	20.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9950	17.96	ug/l	92
82) 4-Chlorotoluene	13.00	91	146721	20.09	ug/l	99
83) tert-Butylbenzene	13.22	119	147286	20.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	178583	20.47	ug/l	99
85) sec-Butylbenzene	13.40	105	211475	20.28	ug/l	100
86) p-Isopropyltoluene	13.51	119	188592	20.10	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	103786	20.42	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	104059	20.58	ug/l	99
89) n-Butylbenzene	13.84	91	175784	19.81	ug/l	99
90) Hexachloroethane	14.10	117	33414	19.89	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	95458	20.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7751	22.02	ug/l	94

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
Data File : VW002568.D
Acq On : 16 May 2018 00:32
Operator : JC/SY
Sample : VW0515SBS03
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

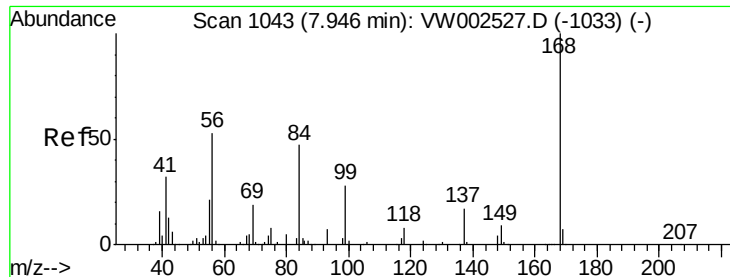
Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM

Quant Time: May 16 07:30:27 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
Quant Title : SW846 8260
QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	69016	20.56	ug/l	98
94) Hexachlorobutadiene	15.25	225	38687	20.71	ug/l	100
95) Naphthalene	15.38	128	127240	20.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	64251	21.39	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS03

Tot Ion:168 Resp: 208176

Ion Ratio Lower Upper

168 100

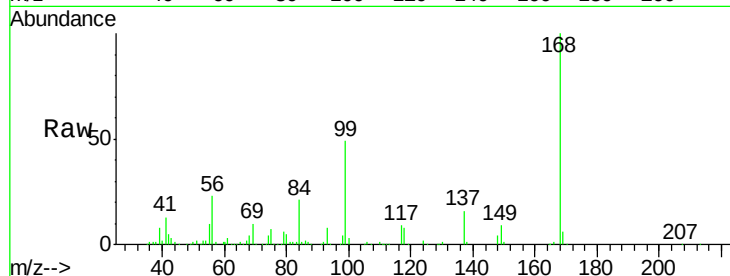
99 48.8 42.6 64.0

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

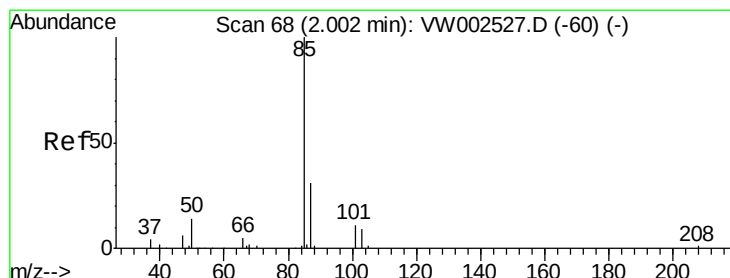
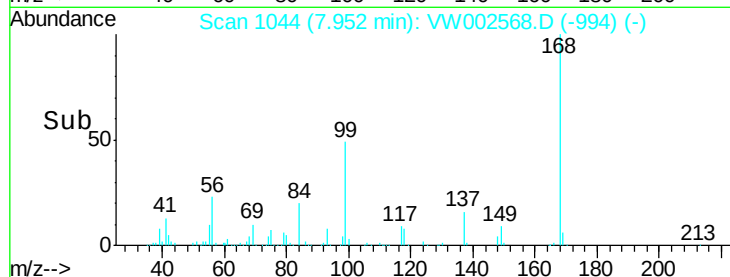
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 19.50 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002568.D

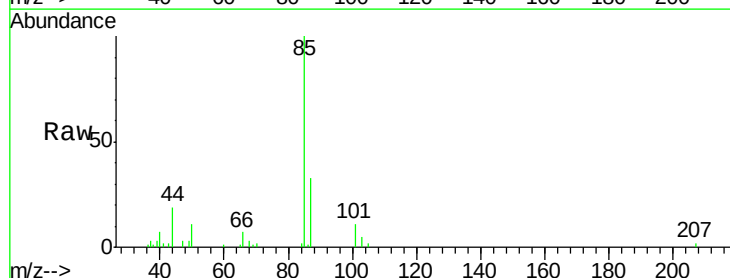
Acq: 16 May 2018 00:32

Tgt Ion: 85 Resp: 15668

Ion Ratio Lower Upper

85 100

87 33.0 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

5000

4000

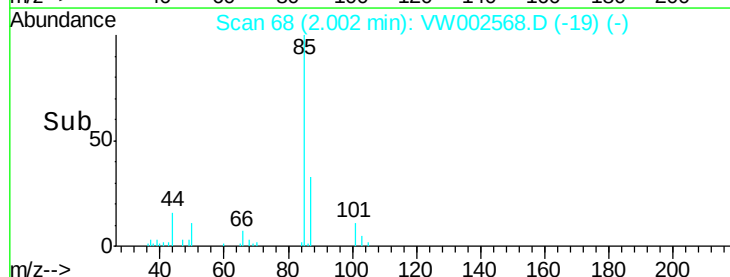
3000

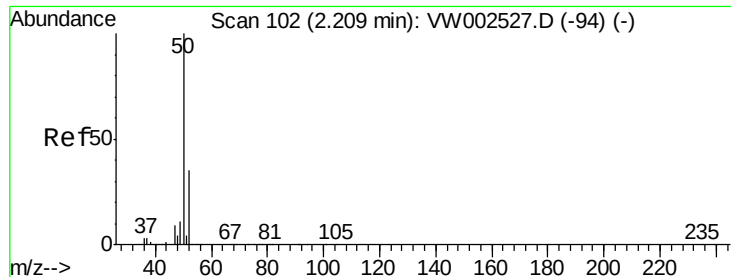
2000

1000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.00 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS03

Tot Ion: 50 Resp: 30729

Ion Ratio Lower Upper

50 100

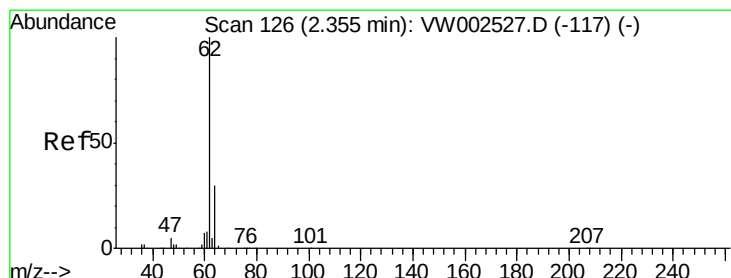
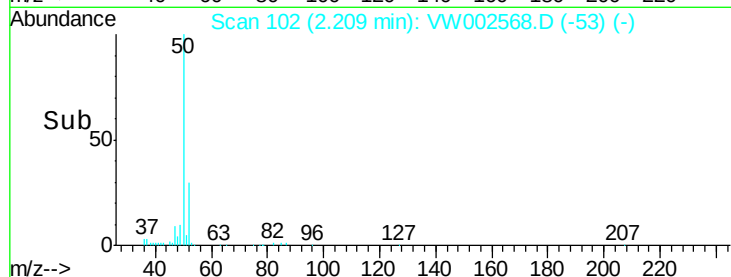
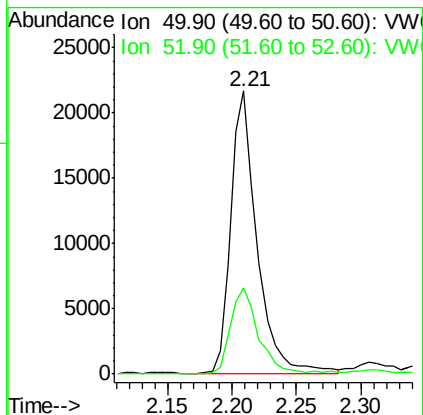
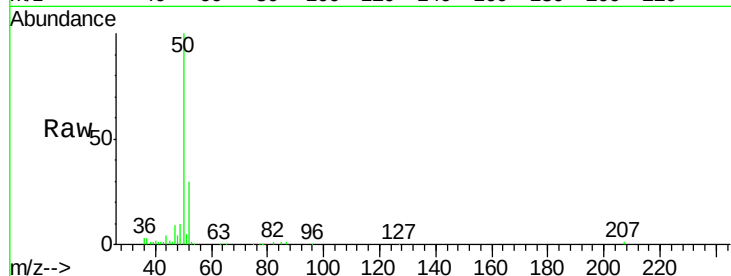
52 30.4 27.8 41.8

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#4

Vinyl Chloride

Concen: 19.86 ug/l

RT: 2.35 min Scan# 125

Delta R.T. -0.01 min

Lab File: VW002568.D

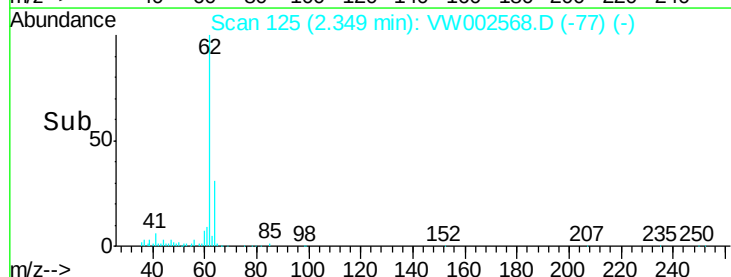
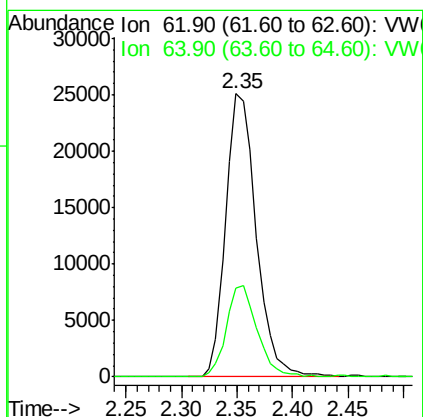
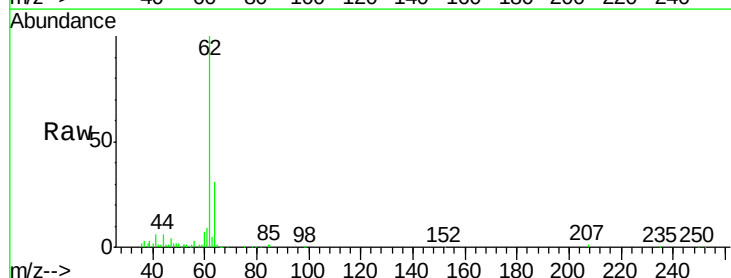
Acq: 16 May 2018 00:32

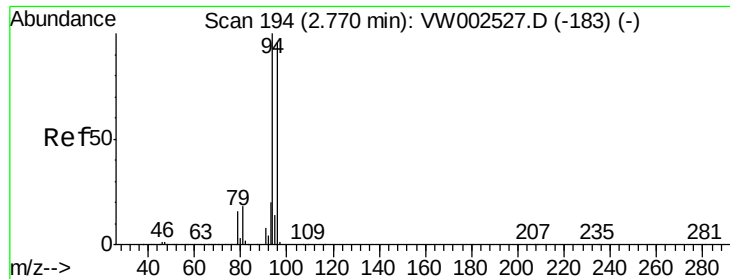
Tgt Ion: 62 Resp: 47867

Ion Ratio Lower Upper

62 100

64 31.4 24.0 36.0





#5

Bromomethane

Concen: 21.23 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS03

Tot Ion: 94 Resp: 41935

Ion Ratio Lower Upper

94 100

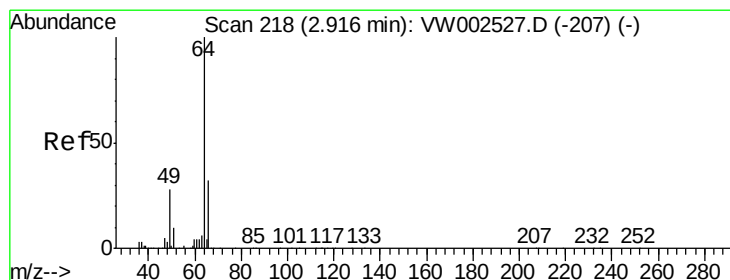
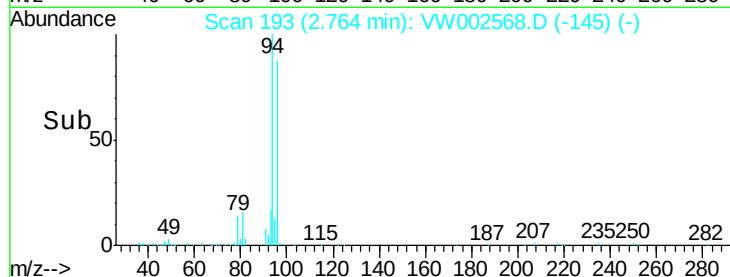
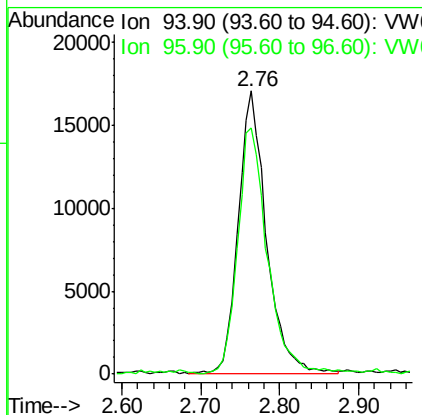
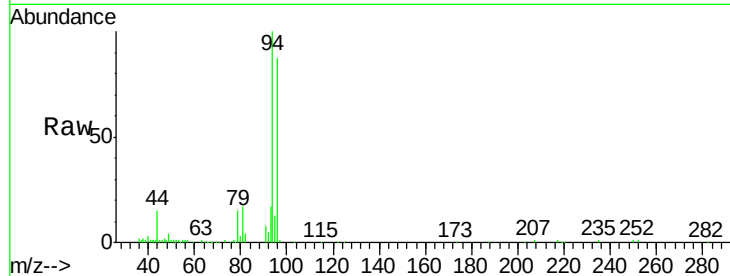
96 86.8 77.0 115.4

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#6

Chloroethane

Concen: 20.99 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW002568.D

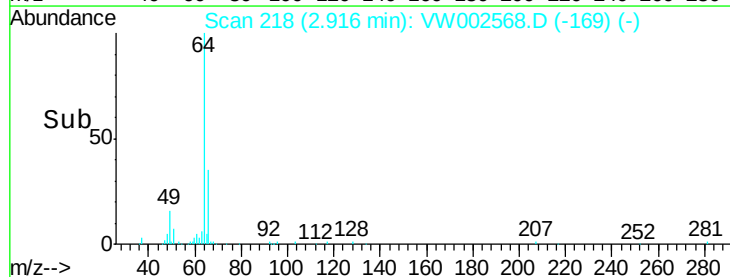
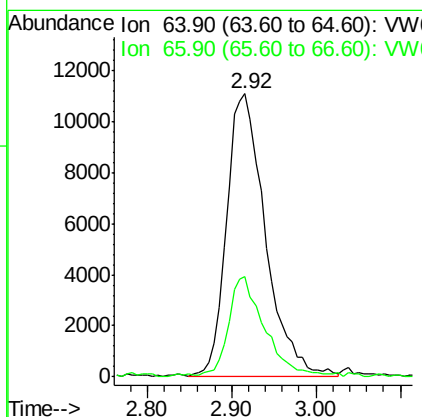
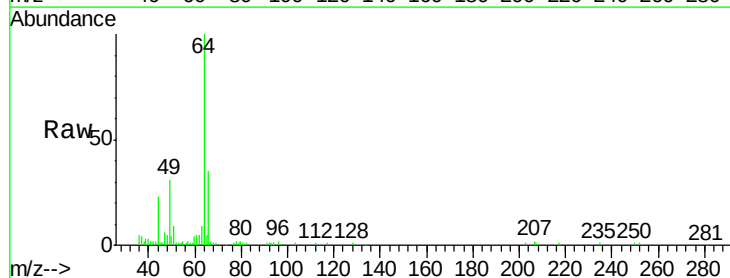
Acq: 16 May 2018 00:32

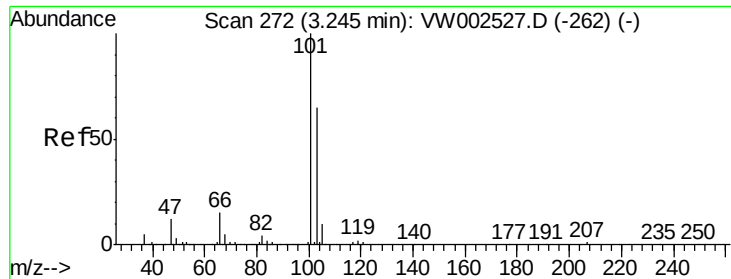
Tgt Ion: 64 Resp: 34800

Ion Ratio Lower Upper

64 100

66 34.2 25.8 38.8





#7

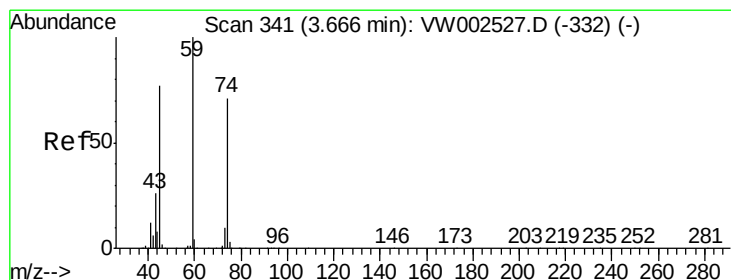
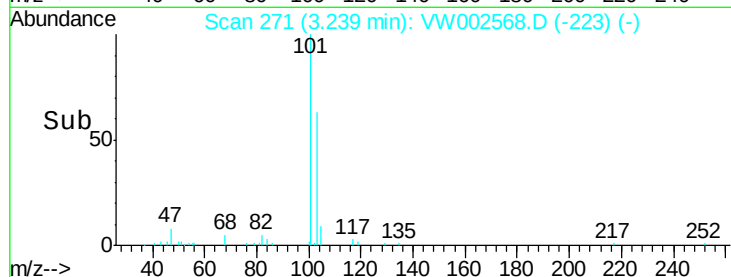
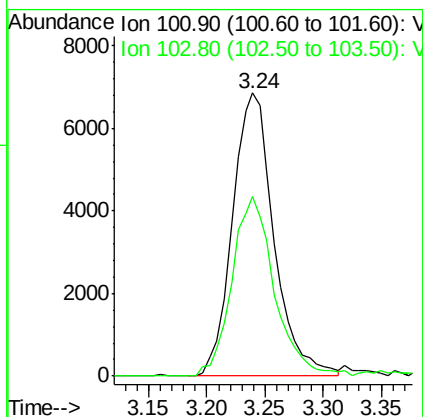
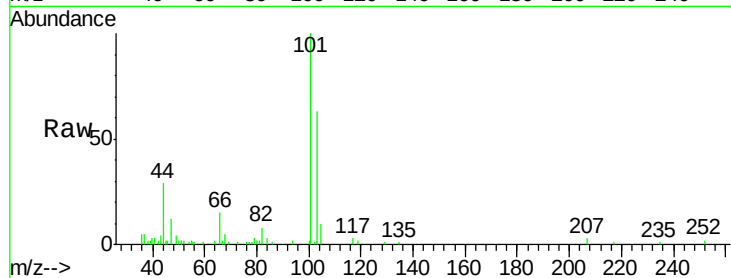
Trichlorofluoromethane
Concen: 16.02 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.8

Manual Integrations
APPROVED

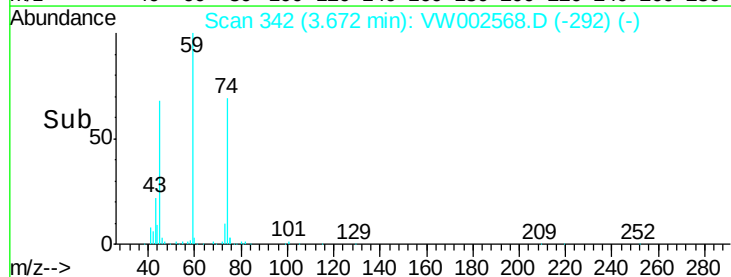
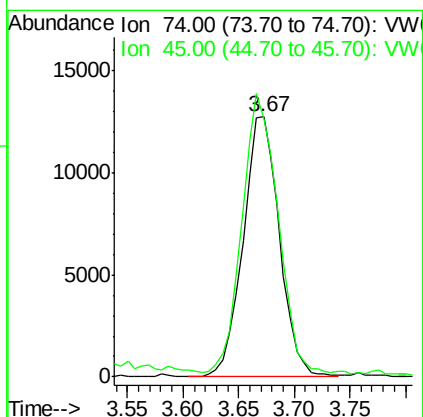
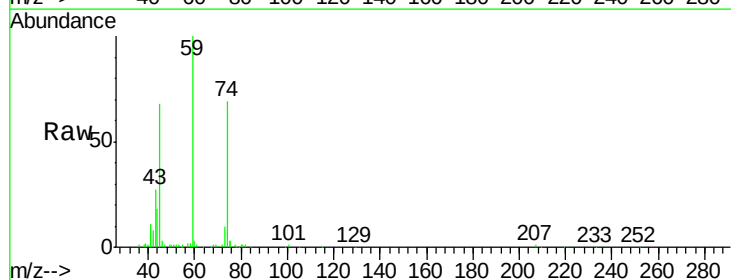
apatel
5/16/2018 12:27:06 PM

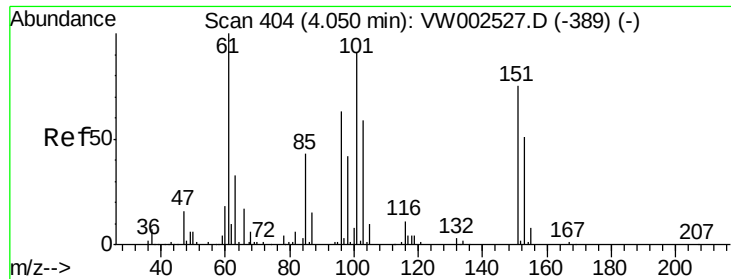


#8

Diethyl Ether
Concen: 22.79 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.01 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.4	52.3	156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.08 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

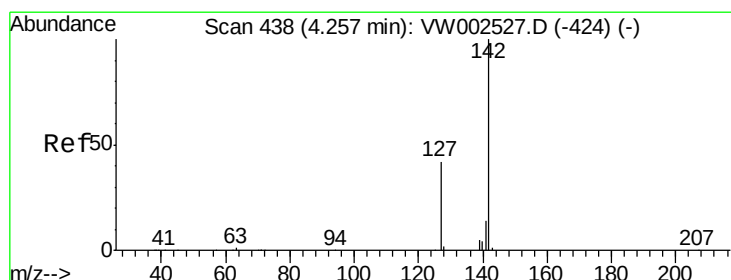
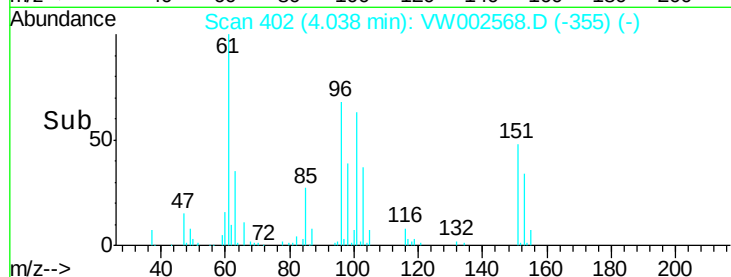
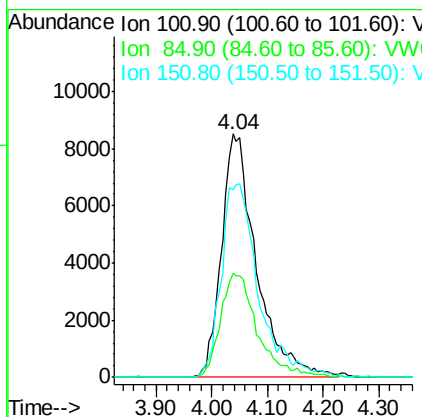
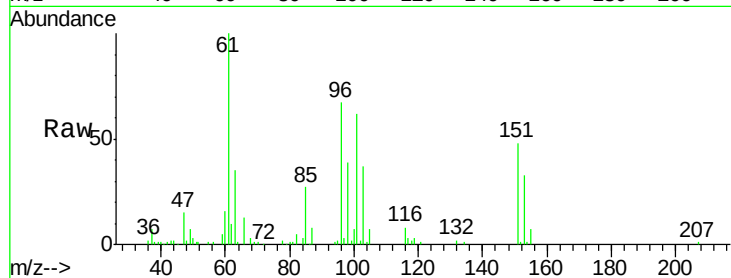
ClientSampleId :

VW0515SBS03

Tot Ion:	101	Resp:	37083
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.5	54.7
151	81.4	66.7	100.1

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



#10

Methyl Iodide

Concen: 20.29 ug/l

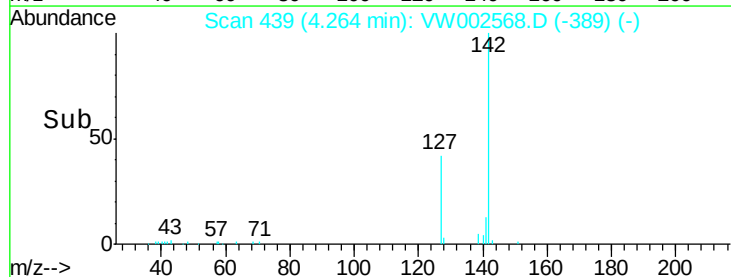
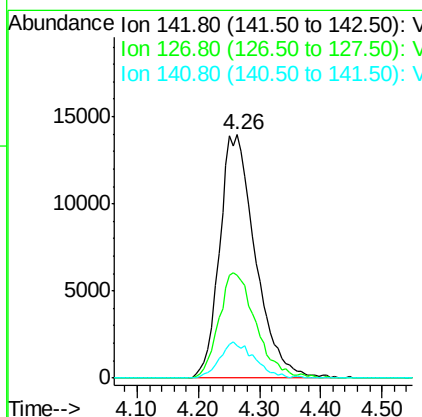
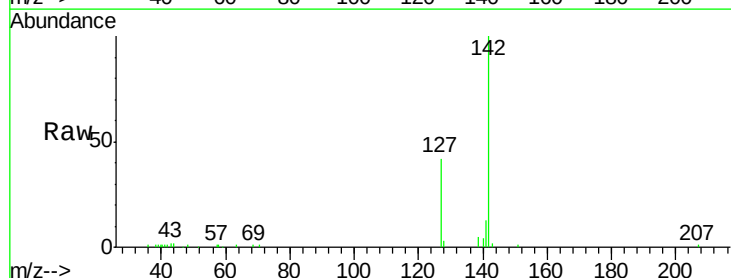
RT: 4.26 min Scan# 439

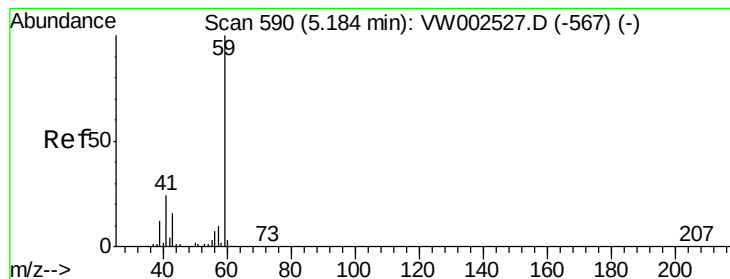
Delta R.T. 0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion:	142	Resp:	56884
Ion Ratio	Lower	Upper	
142	100		
127	44.6	34.6	52.0
141	14.3	11.8	17.8





#11

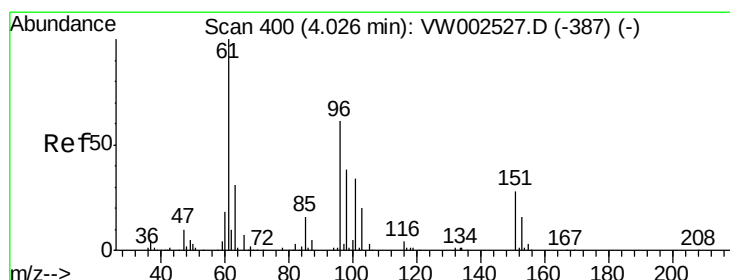
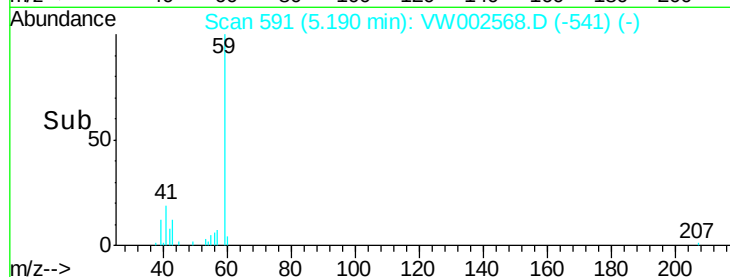
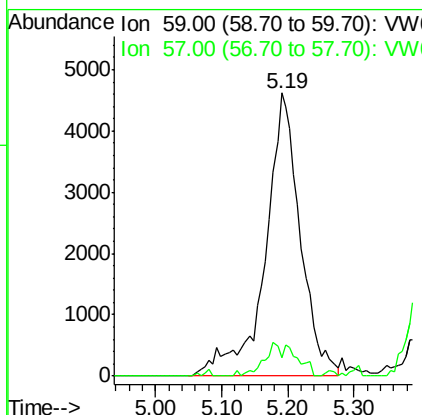
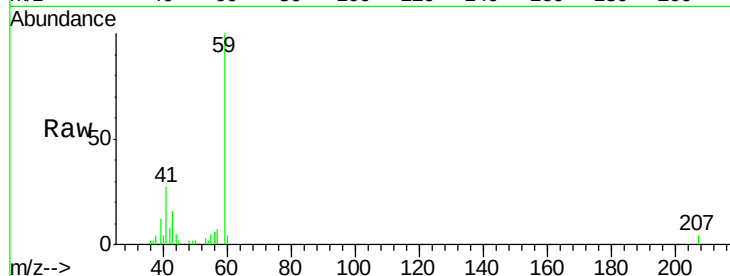
Tert butyl alcohol
 Concen: 102.56 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.2	12.4#

Manual Integrations
 APPROVED

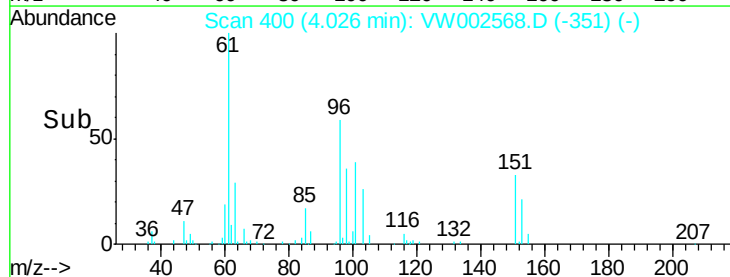
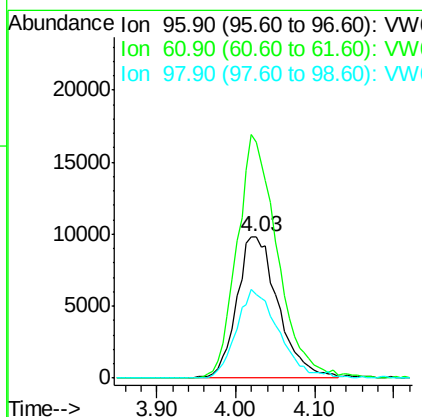
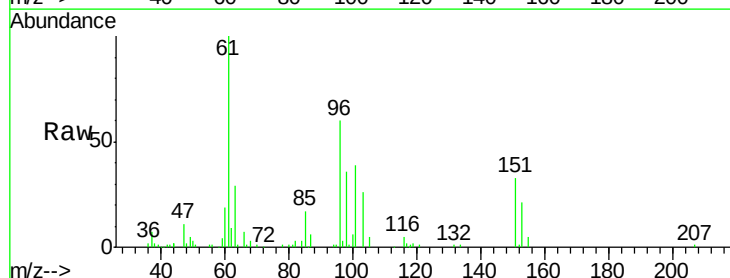
apatel
 5/16/2018 12:27:06 PM

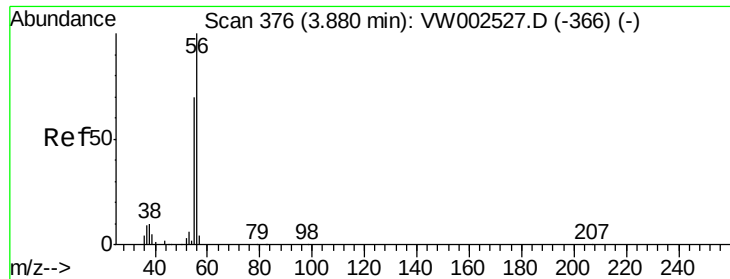


#12

1,1-Dichloroethene
 Concen: 20.61 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	132.2	198.2
98	59.5	50.6	76.0





#13

Acrolein

Concen: 84.21 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS03

Tot Ion: 56 Resp: 13719

Ion Ratio Lower Upper

56 100

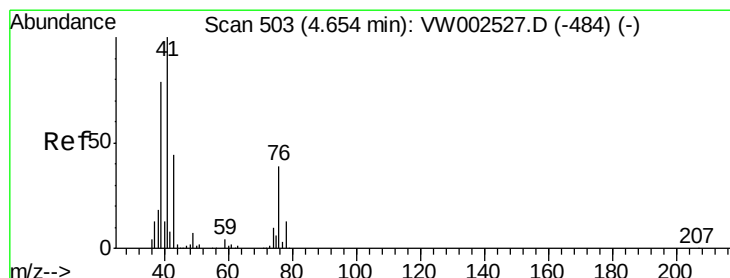
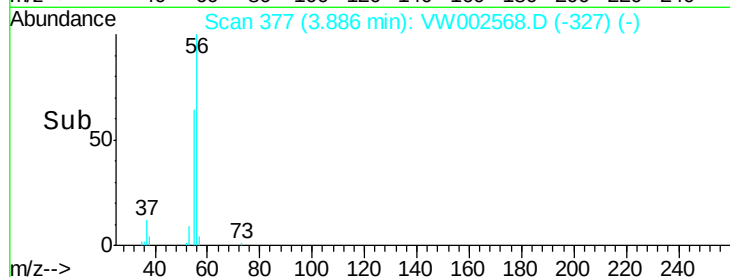
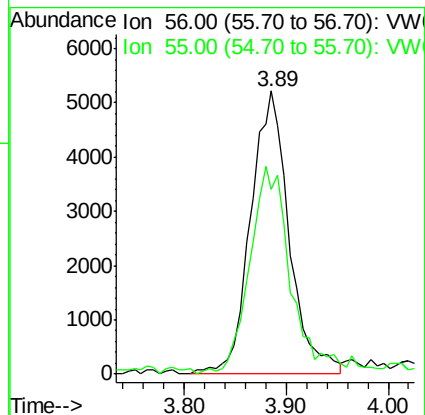
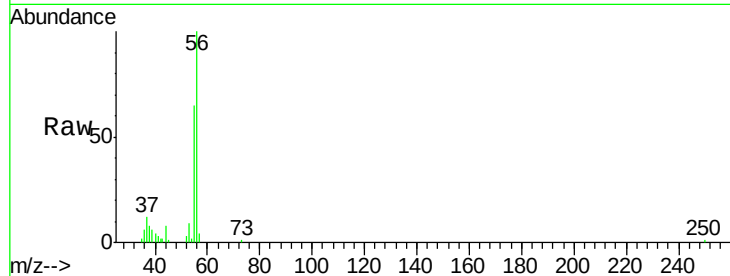
55 77.4 57.0 85.4

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#14

Allyl chloride

Concen: 18.38 ug/l

RT: 4.65 min Scan# 502

Delta R.T. -0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

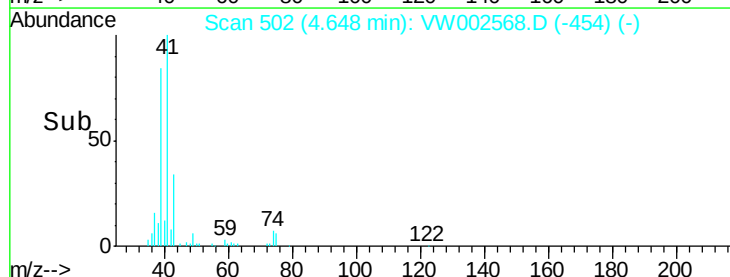
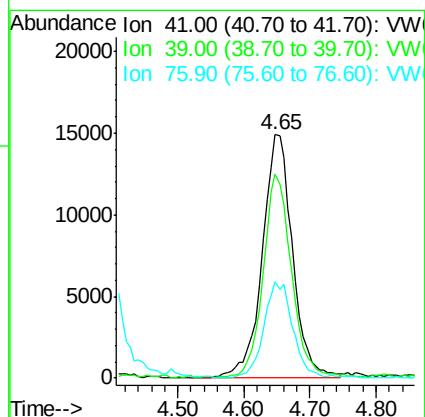
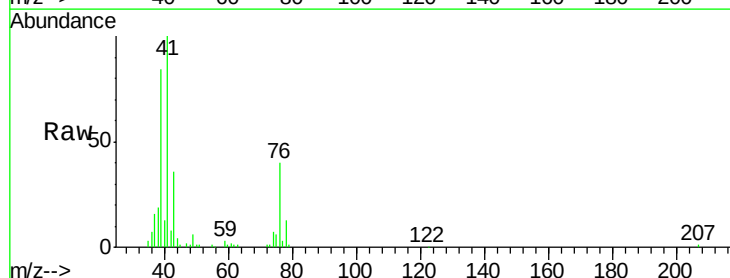
Tgt Ion: 41 Resp: 47493

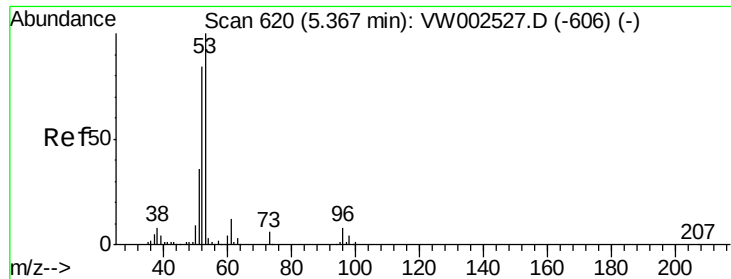
Ion Ratio Lower Upper

41 100

39 79.6 61.4 92.2

76 37.7 29.6 44.4





#15

Acrylonitrile

Concen: 104.96 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

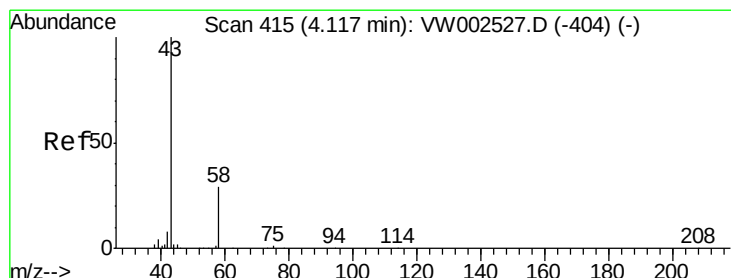
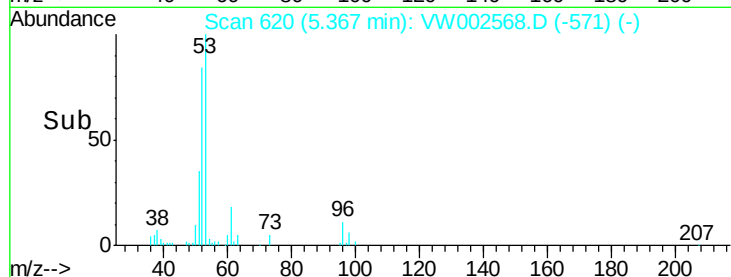
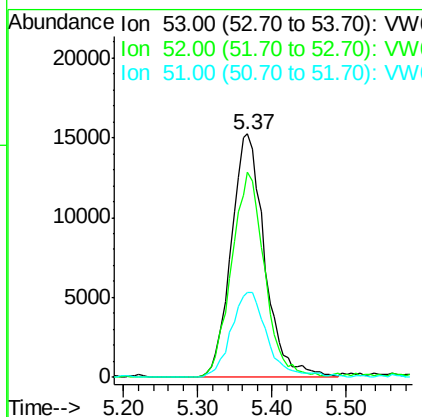
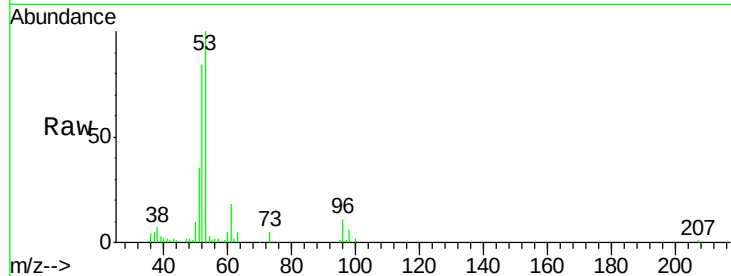
ClientSampleId :

VW0515SBS03

Tot Ion:	53	Resp:	48090
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.6	100.0
51	37.5	30.6	46.0

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



#16

Acetone

Concen: 92.24 ug/l

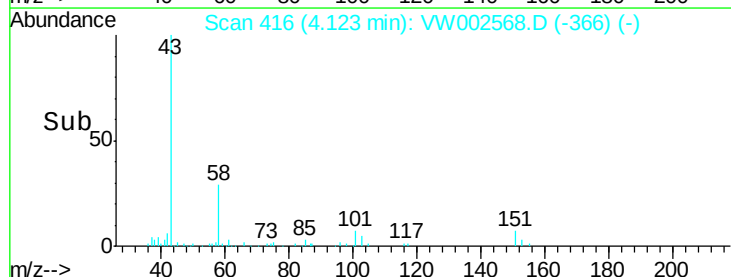
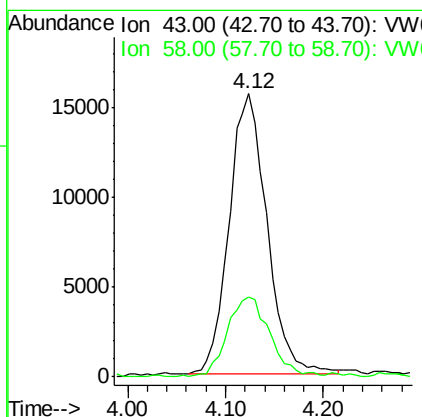
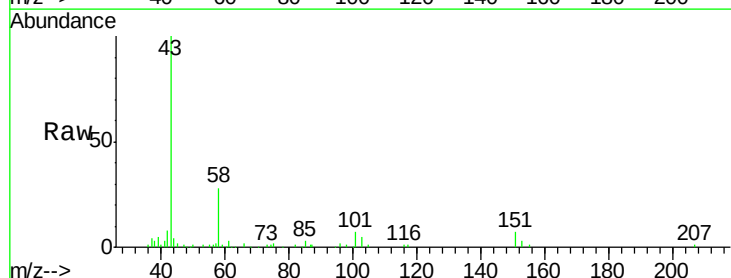
RT: 4.12 min Scan# 416

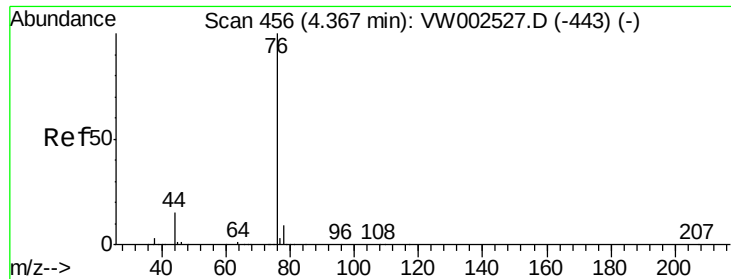
Delta R.T. 0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion:	43	Resp:	41891
Ion Ratio	Lower	Upper	
43	100		
58	28.2	23.4	35.0





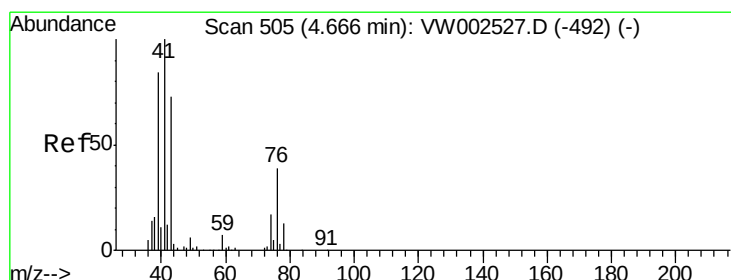
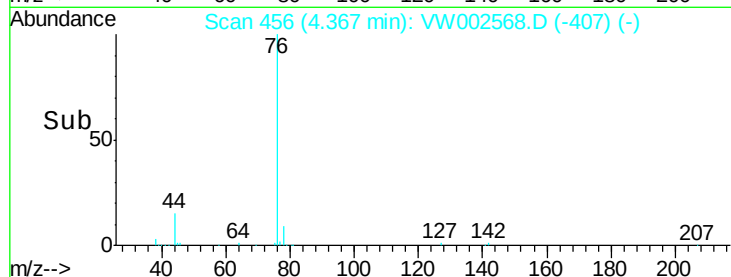
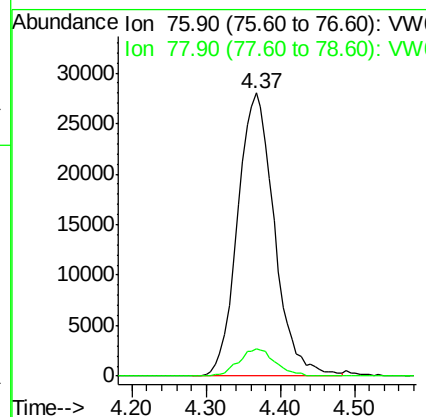
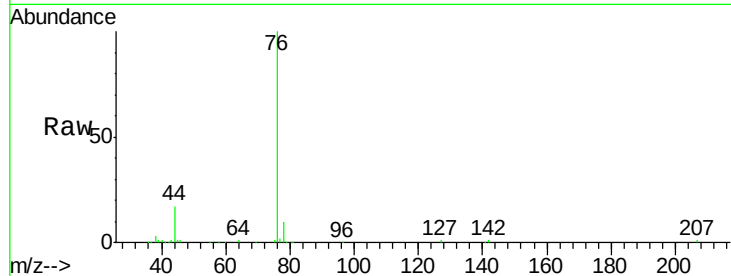
#17
Carbon Disulfide
Concen: 20.20 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.5	11.3

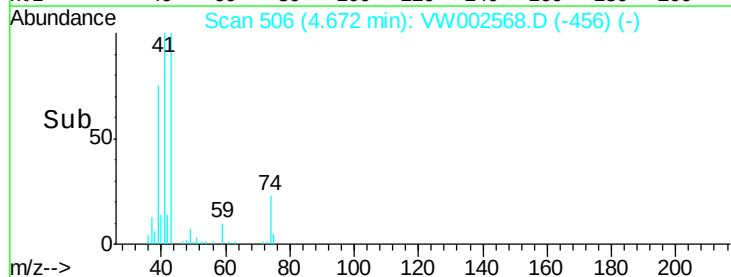
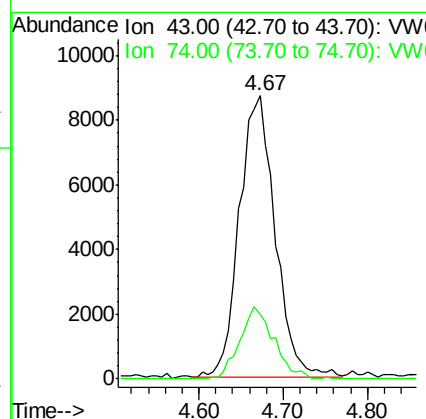
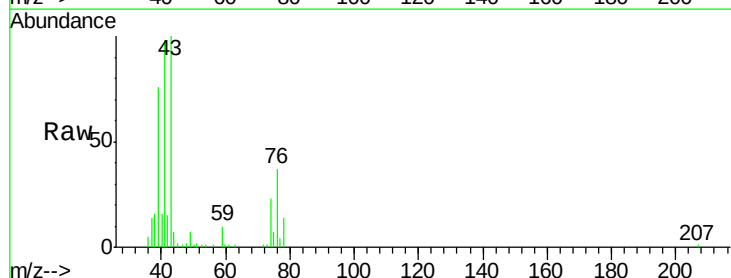
Manual Integrations
APPROVED

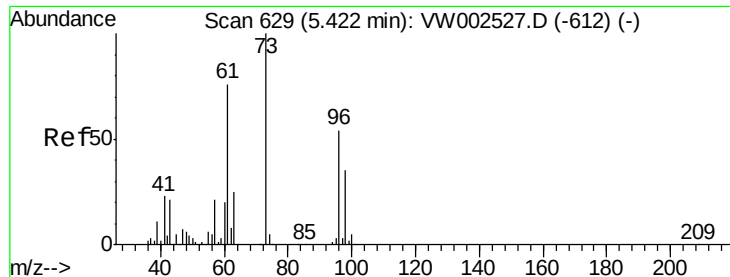
apatel
5/16/2018 12:27:06 PM



#18
Methyl Acetate
Concen: 18.87 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8





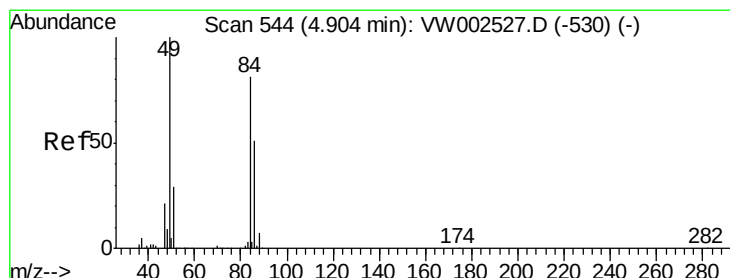
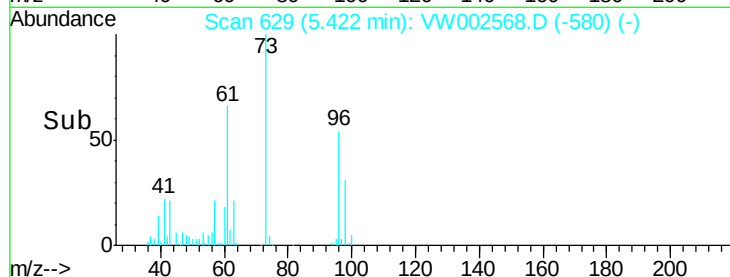
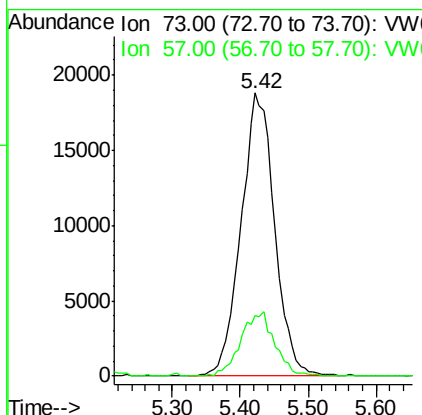
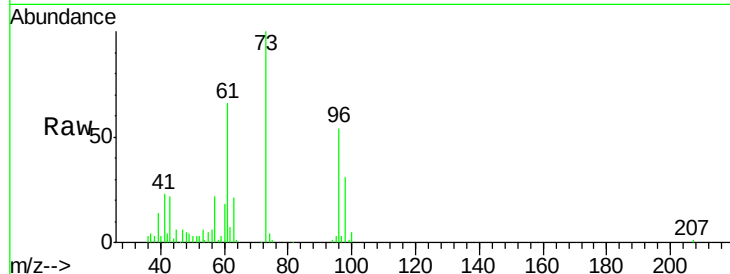
#19
Methyl tert-butyl Ether
Concen: 20.20 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion: 73 Resp: 64629
Ion Ratio Lower Upper
73 100
57 21.5 17.0 25.6

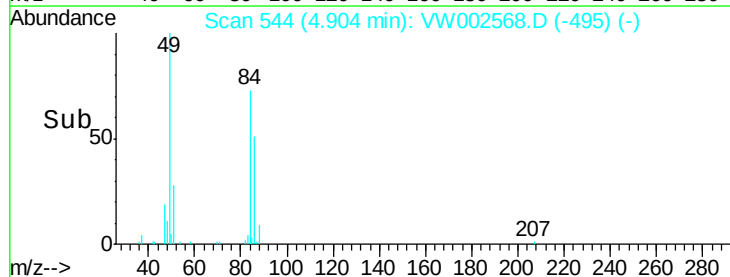
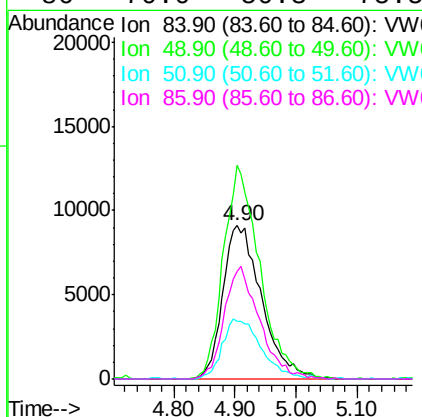
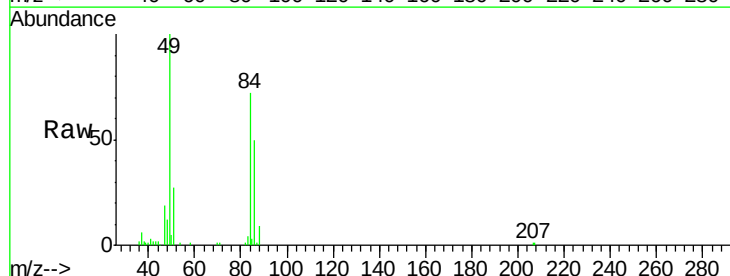
Manual Integrations
APPROVED

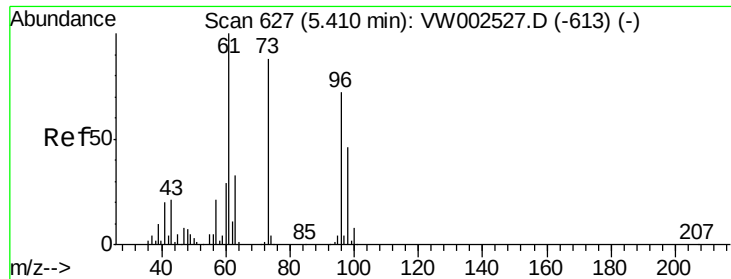
apatel
5/16/2018 12:27:06 PM



#20
Methylene Chloride
Concen: 20.45 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion: 84 Resp: 39892
Ion Ratio Lower Upper
84 100
49 139.2 99.4 149.0
51 37.9 29.0 43.6
86 70.0 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.80 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

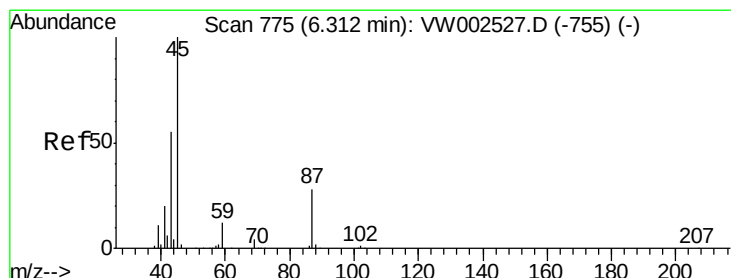
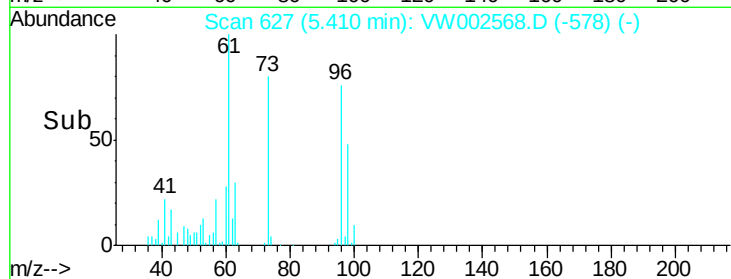
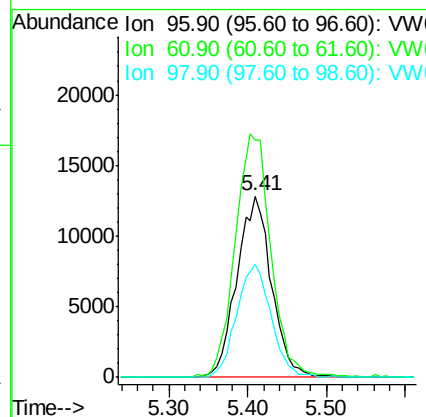
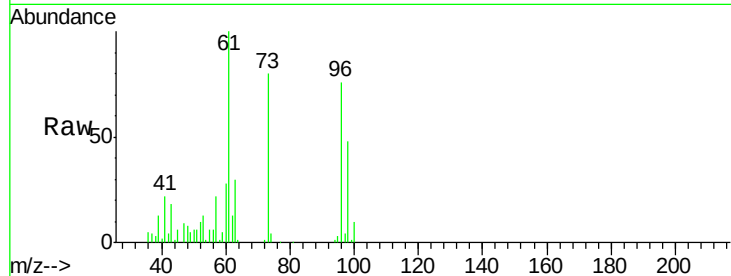
ClientSampleId :

VW0515SBS03

Tot Ion:	96	Resp:	39151
Ion Ratio	Lower	Upper	
96	100		
61	130.4	111.6	167.4
98	62.6	51.7	77.5

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



#22

Diisopropyl ether

Concen: 20.36 ug/l

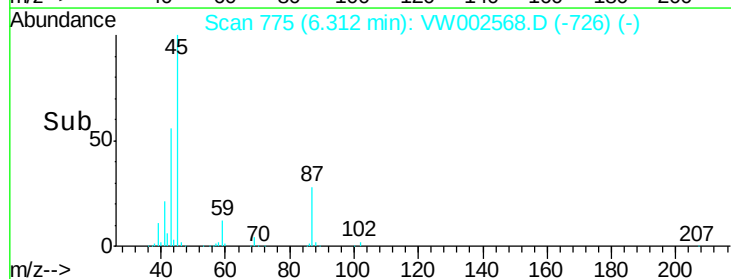
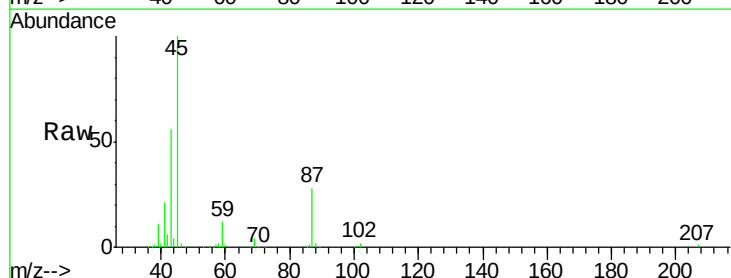
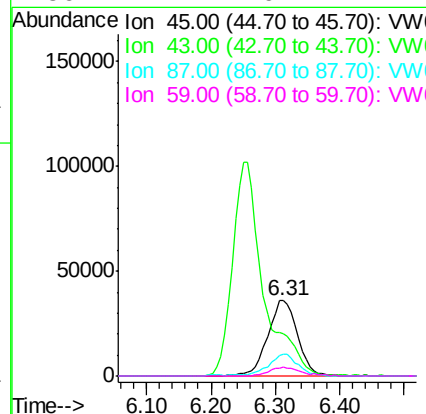
RT: 6.31 min Scan# 775

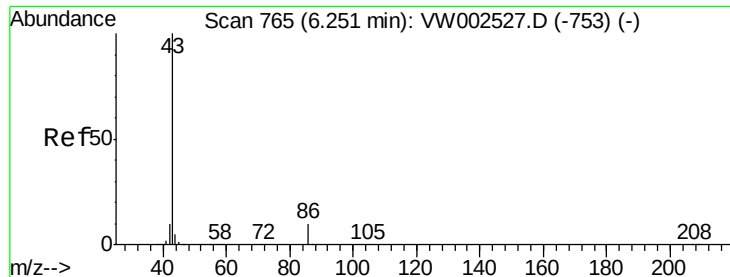
Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion:	45	Resp:	116536
Ion Ratio	Lower	Upper	
45	100		
43	56.3	44.4	66.6
87	28.1	23.0	34.4
59	11.4	9.4	14.2





#23

Vinyl Acetate

Concen: 99.10 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampled :

VW0515SBS03

Tot Ion: 43 Resp: 343746

Ion Ratio Lower Upper

43 100

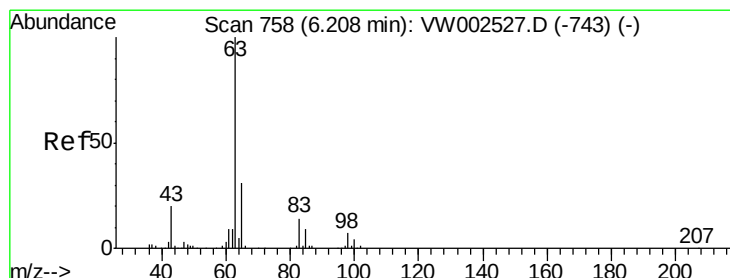
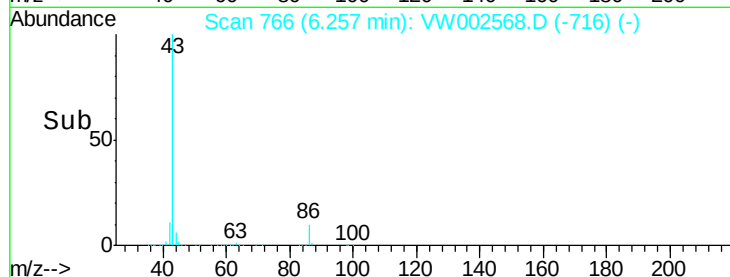
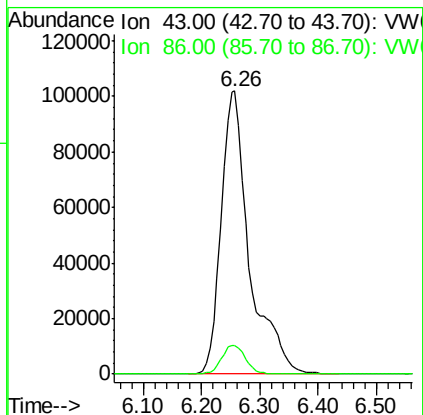
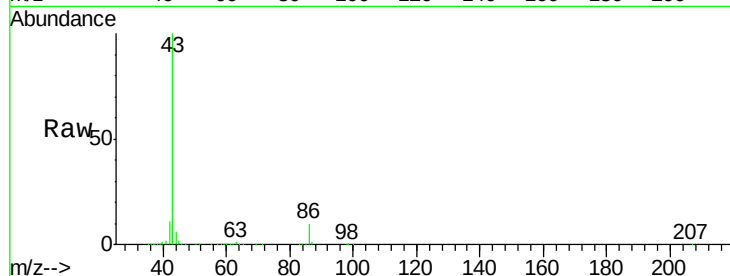
86 10.0 7.9 11.9

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#24

1,1-Dichloroethane

Concen: 20.59 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

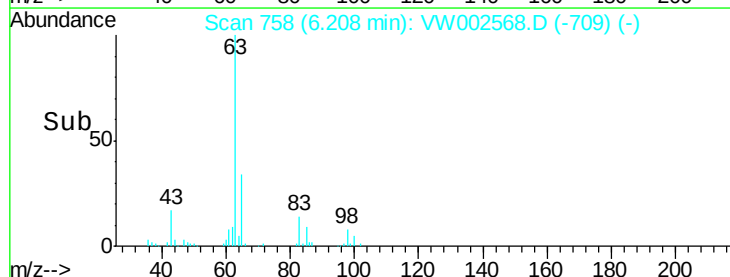
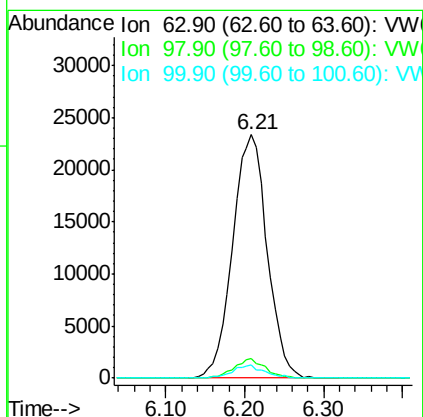
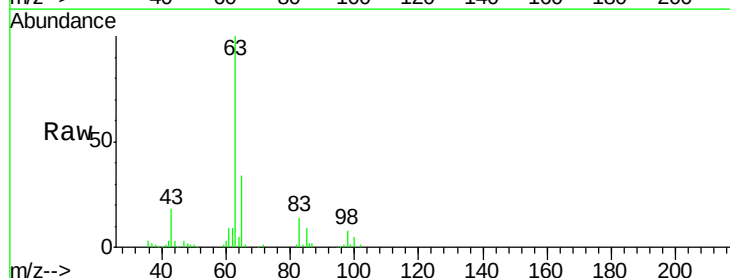
Tgt Ion: 63 Resp: 71023

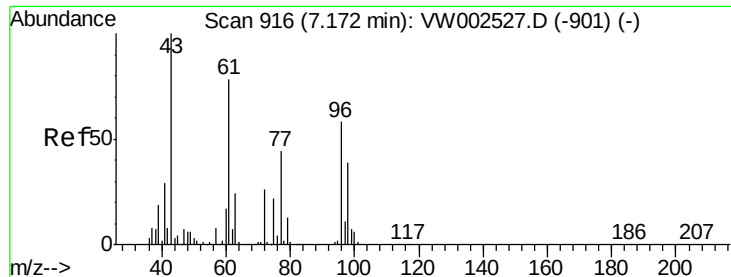
Ion Ratio Lower Upper

63 100

98 8.2 3.6 10.9

100 5.4 2.1 6.5





#25

2-Butanone

Concen: 100.49 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampled :

VW0515SBS03

Tot Ion: 43 Resp: 64538

Ion Ratio Lower Upper

43 100

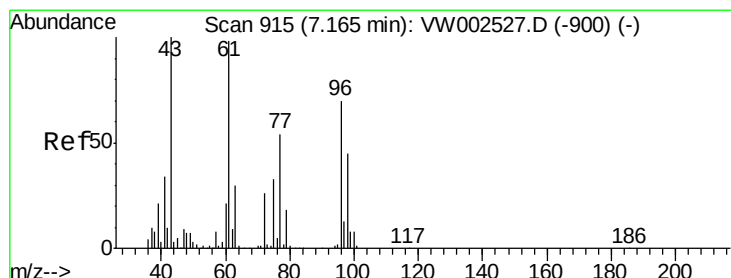
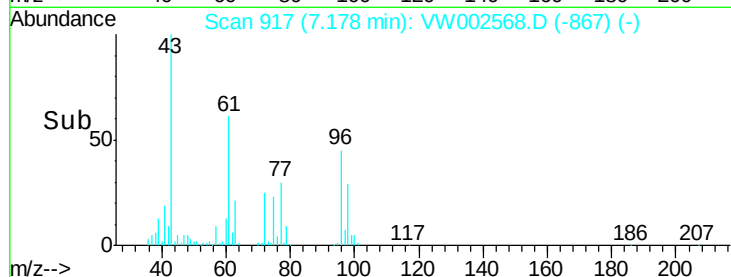
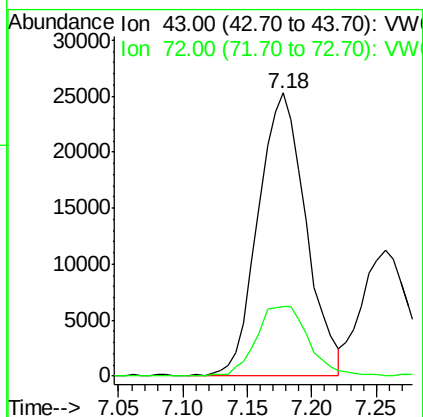
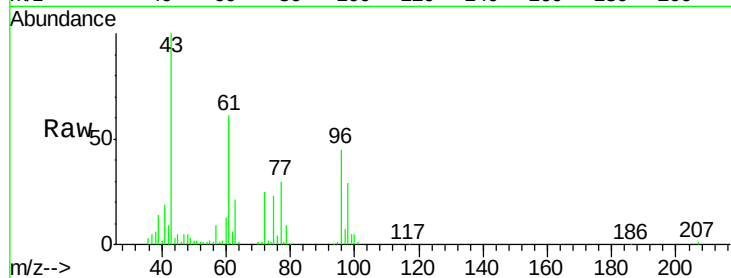
72 24.8 20.9 31.3

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#26

2,2-Dichloropropane

Concen: 17.00 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002568.D

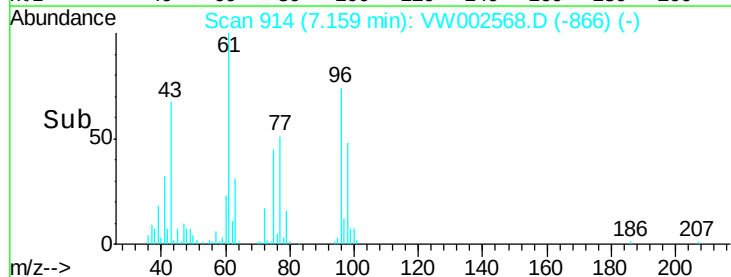
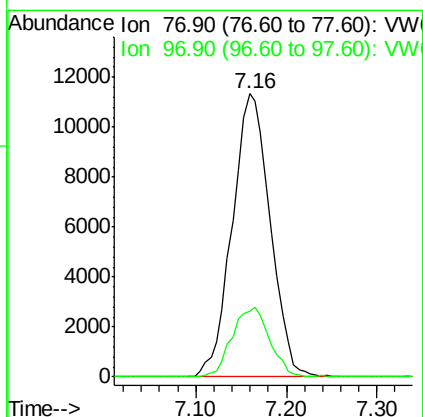
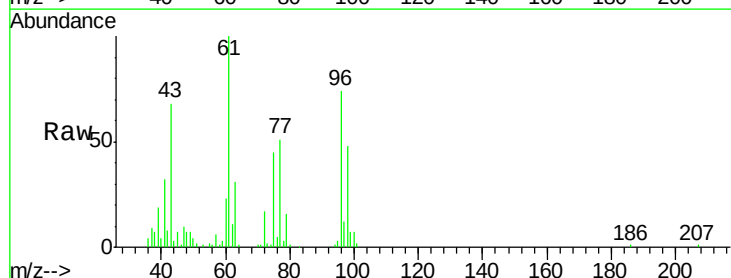
Acq: 16 May 2018 00:32

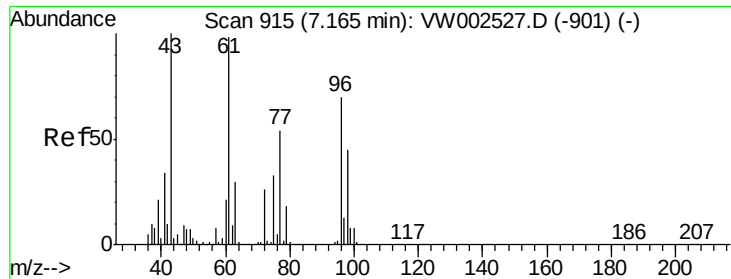
Tgt Ion: 77 Resp: 32869

Ion Ratio Lower Upper

77 100

97 24.3 12.1 36.3





#27

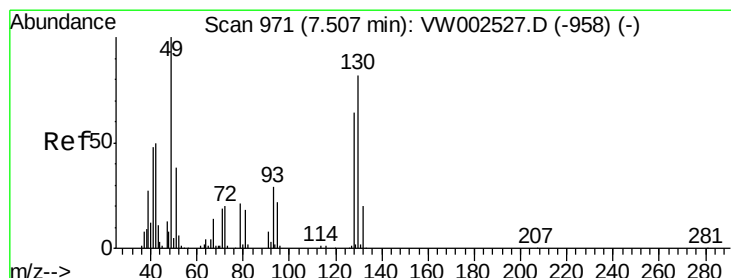
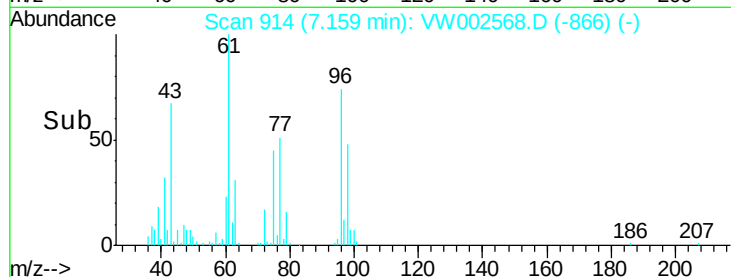
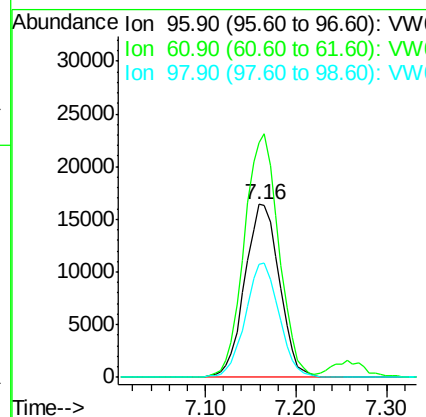
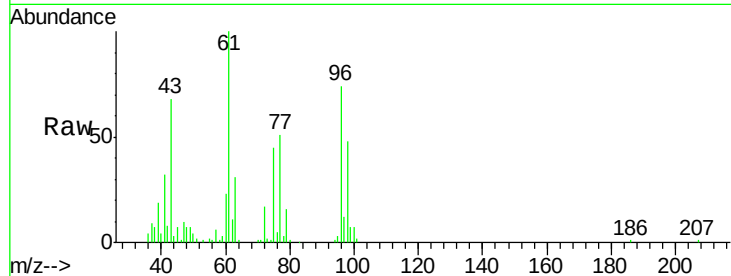
cis-1,2-Dichloroethene
 Concen: 20.25 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	281.6
98	64.1	0.0	130.8

Manual Integrations
 APPROVED

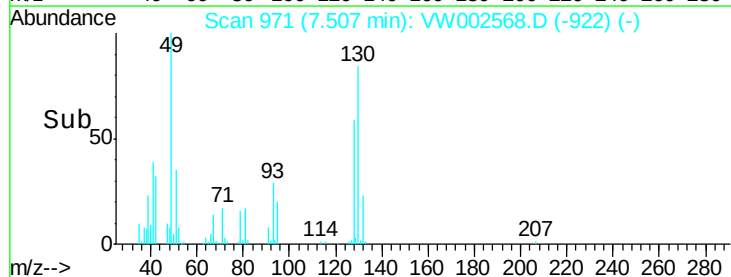
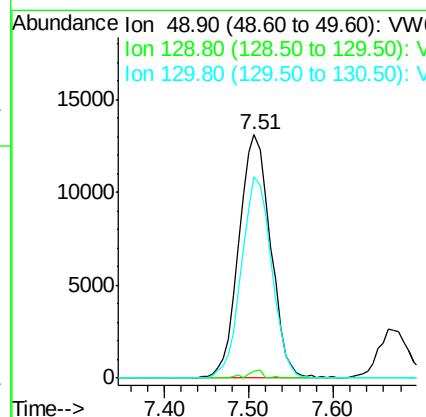
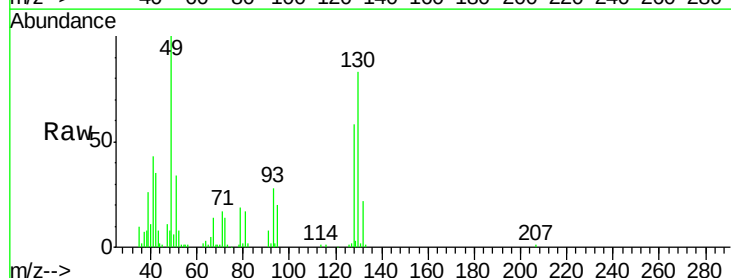
apatel
 5/16/2018 12:27:06 PM

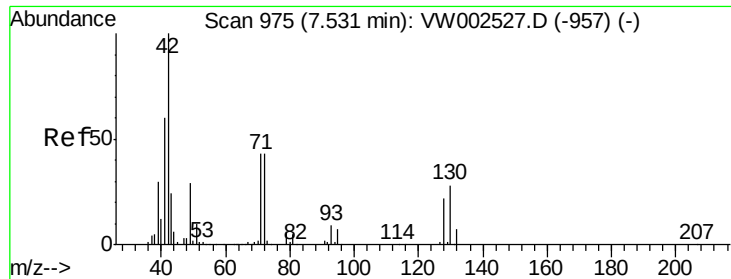


#28

Bromochloromethane
 Concen: 21.65 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.4
130	78.7	64.7	97.1





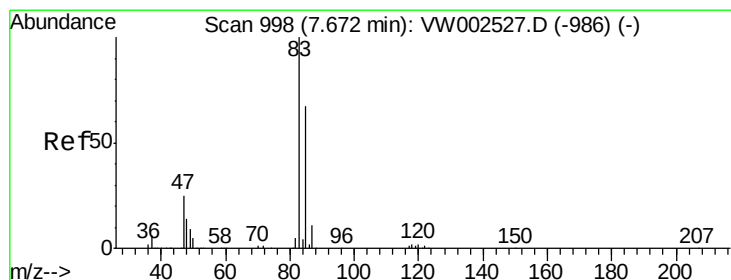
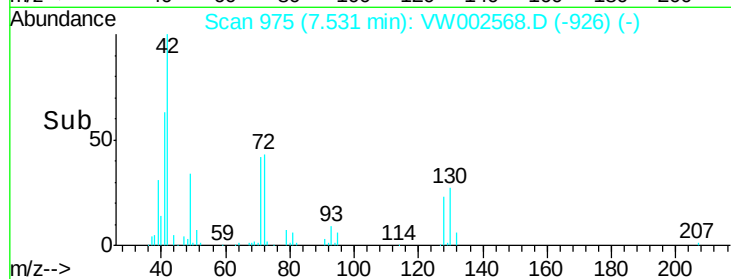
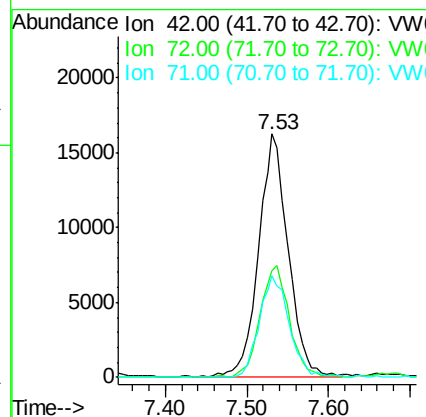
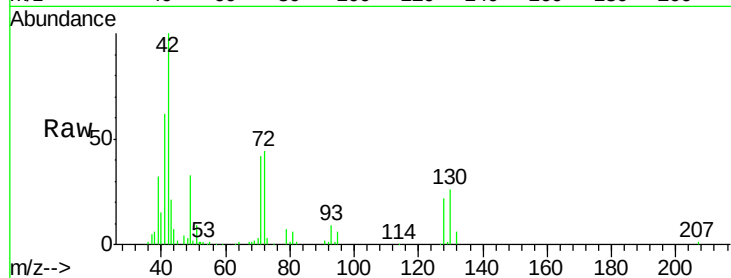
#29
Tetrahydrofuran
Concen: 103.20 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.0	52.4
71	41.9	33.0	49.6

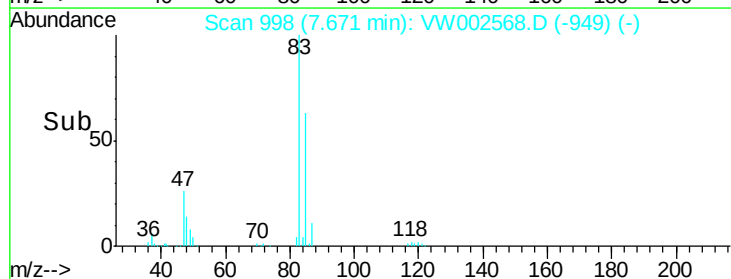
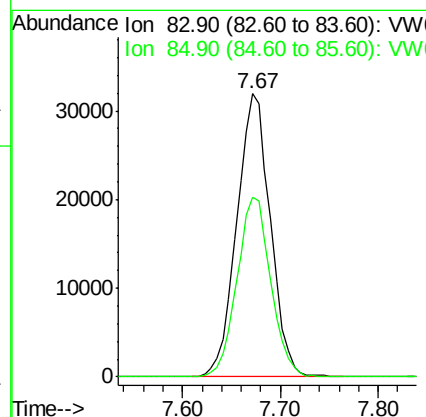
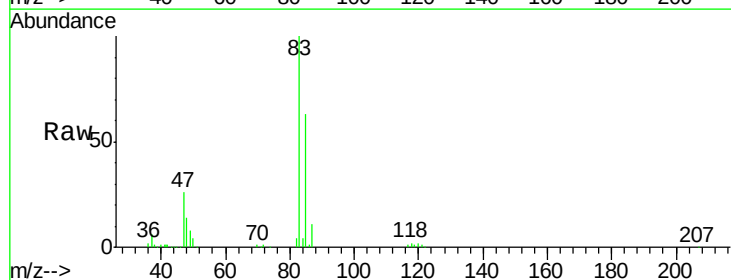
Manual Integrations
APPROVED

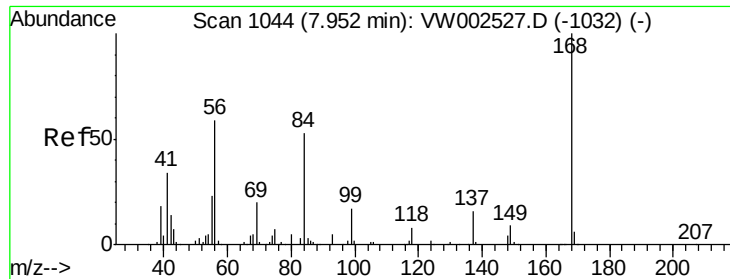
apatel
5/16/2018 12:27:06 PM



#30
Chloroform
Concen: 20.53 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	53.9	80.9





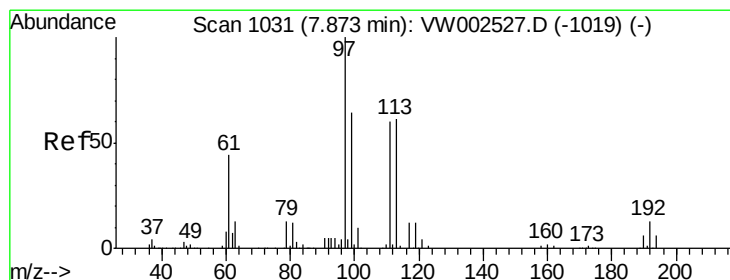
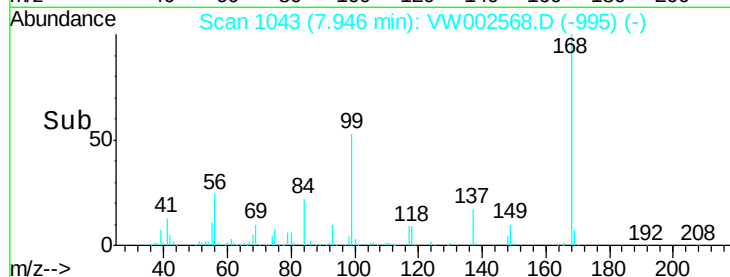
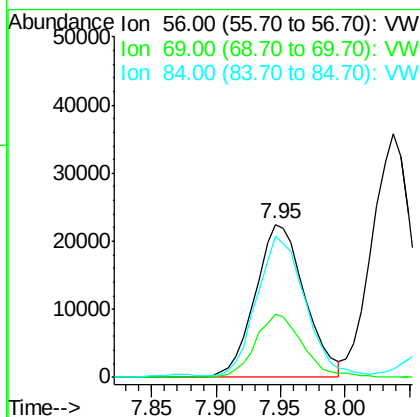
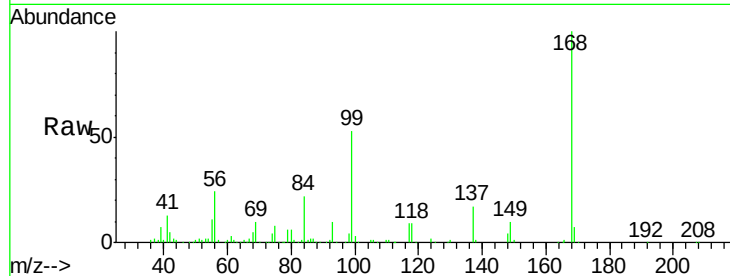
#31
Cyclohexane
Concen: 19.63 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	56	Resp	59978
Ion	Ratio	Lower	Upper
56	100		
69	41.3	27.0	40.4#
84	90.6	72.2	108.2

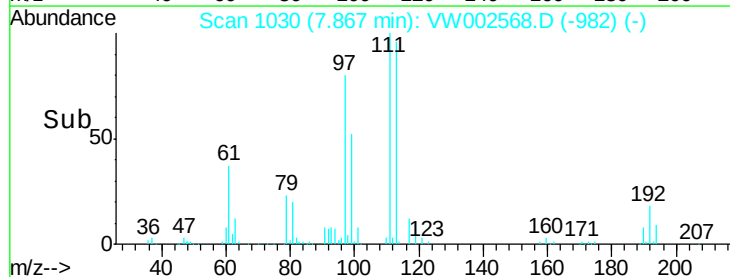
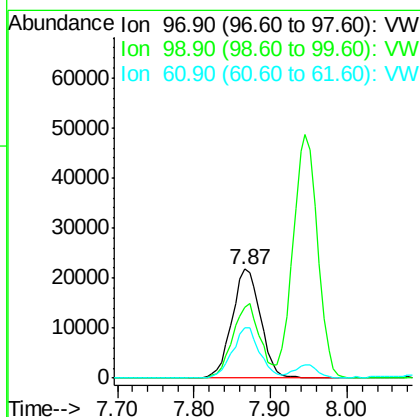
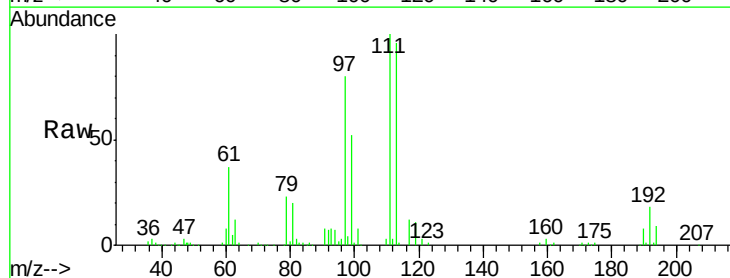
Manual Integrations
APPROVED

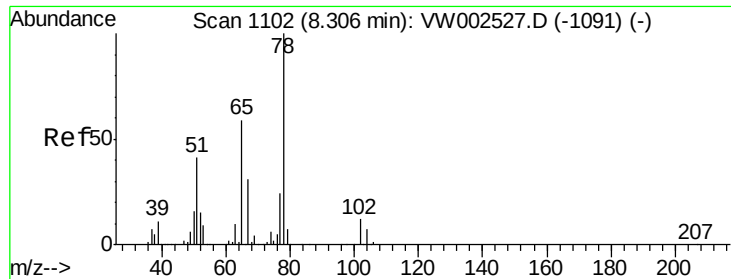
apatel
5/16/2018 12:27:06 PM



#32
1,1,1-Trichloroethane
Concen: 20.19 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	97	Resp	56094
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	44.3	35.9	53.9





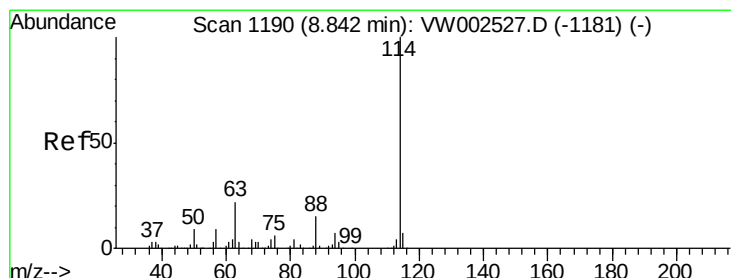
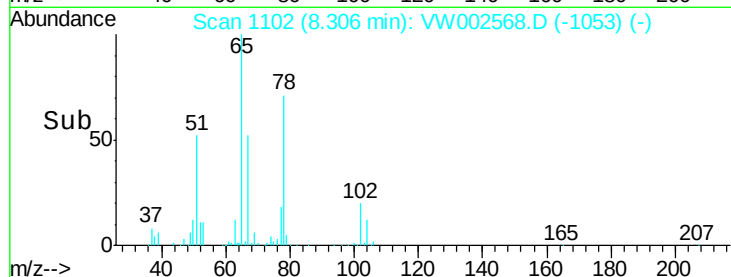
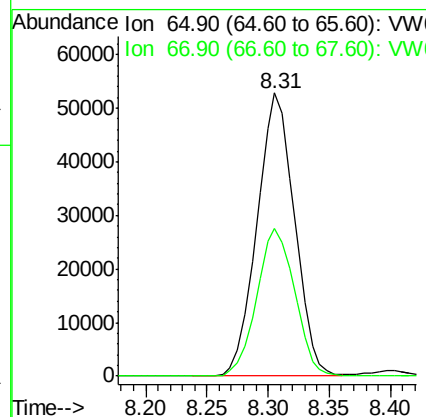
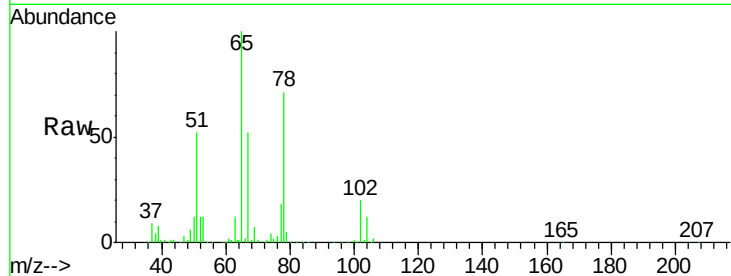
#33
 1,2-Dichloroethane-d4
 Concen: 52.35 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	104.4	

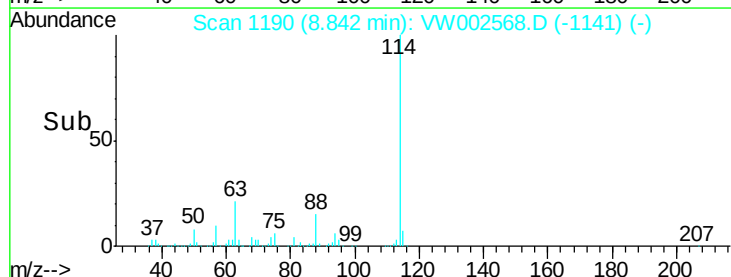
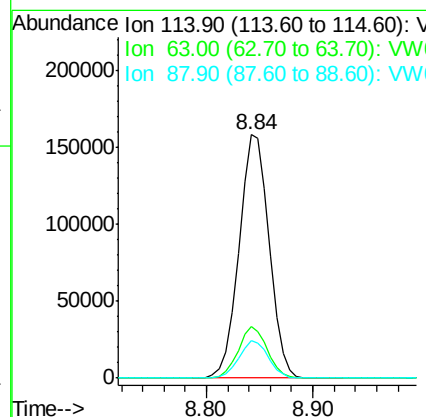
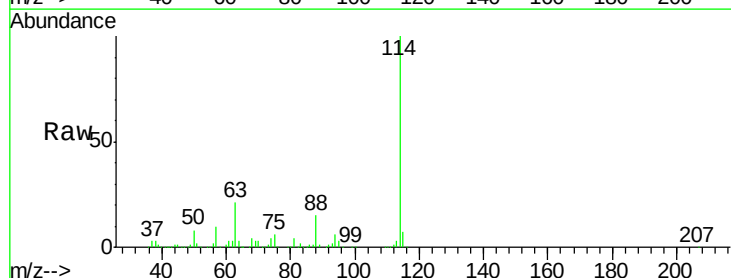
Manual Integrations
 APPROVED

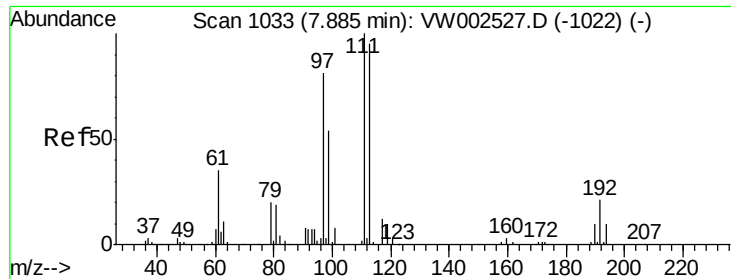
apatel
 5/16/2018 12:27:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.1	0.0	43.2	
88	15.2	0.0	29.2	





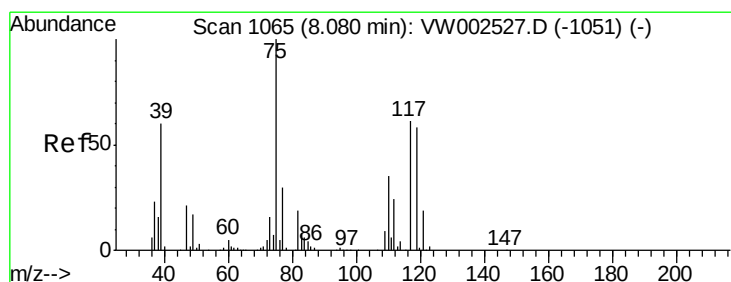
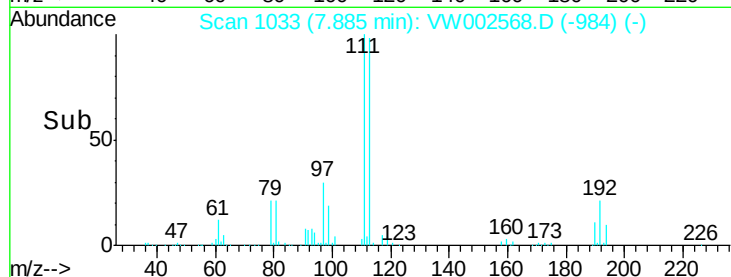
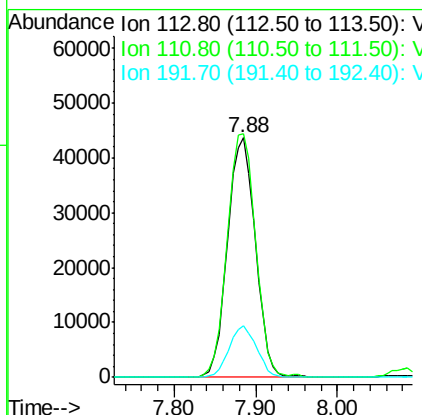
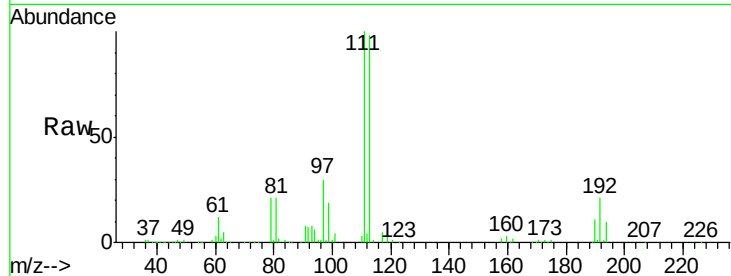
#35
 Dibromofluoromethane
 Concen: 51.70 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102739		
111	103.8		81.8	122.8
192	21.3		17.5	26.3

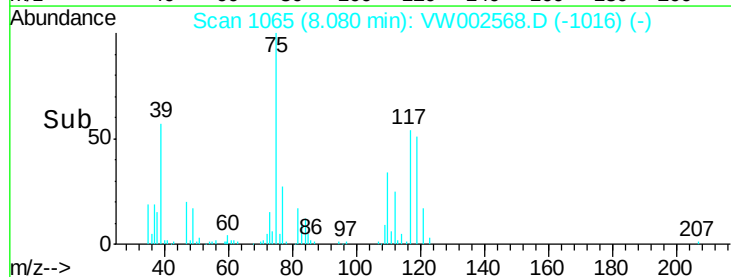
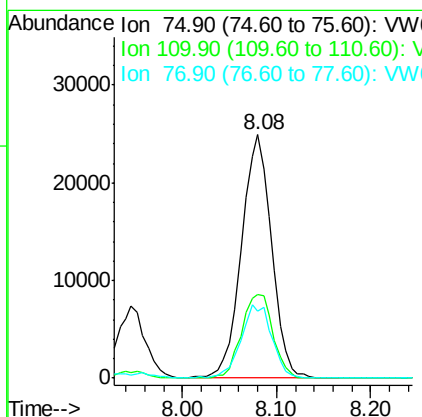
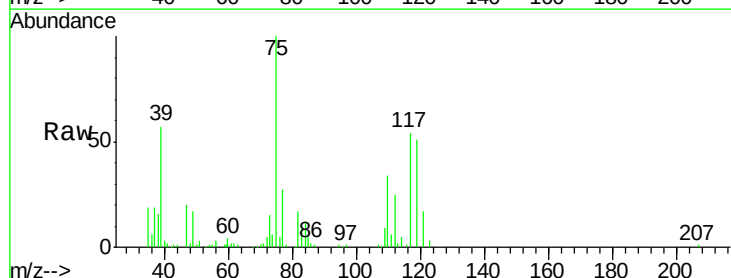
Manual Integrations
 APPROVED

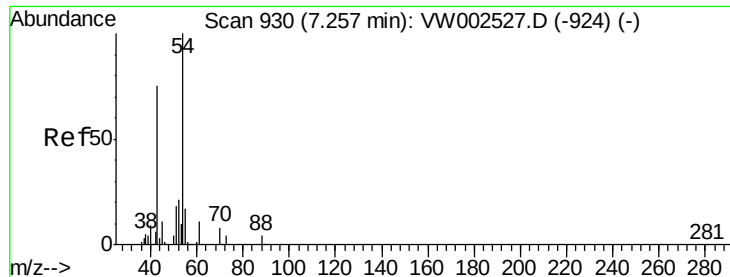
apatel
 5/16/2018 12:27:06 PM



#36
 1,1-Dichloropropene
 Concen: 20.25 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55967		
110	35.7		17.8	53.5
77	30.8		24.5	36.7





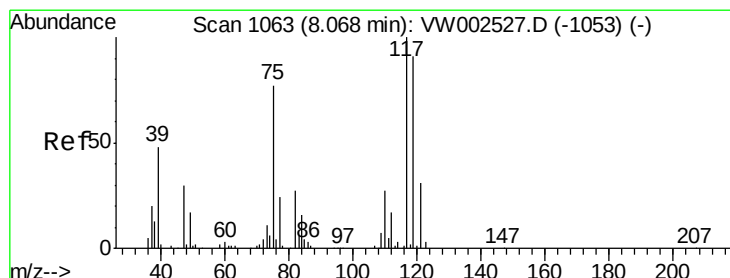
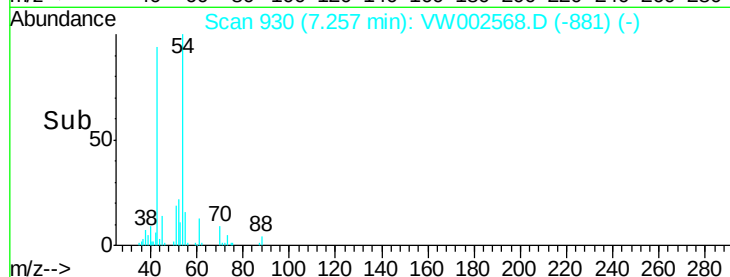
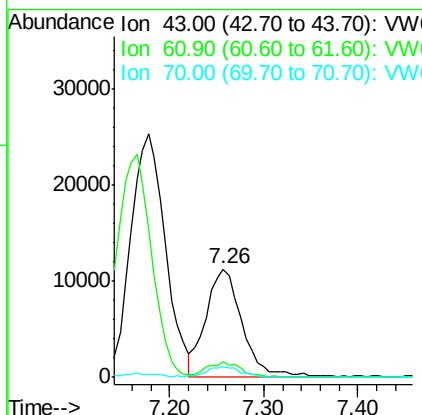
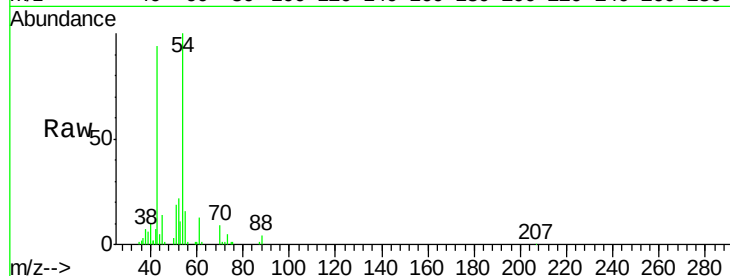
#37
Ethyl Acetate
Concen: 21.40 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	9.8	7.8	11.8

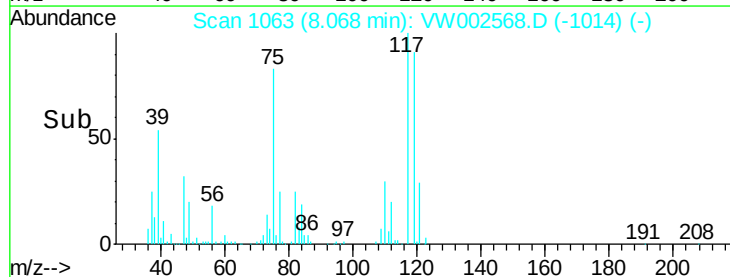
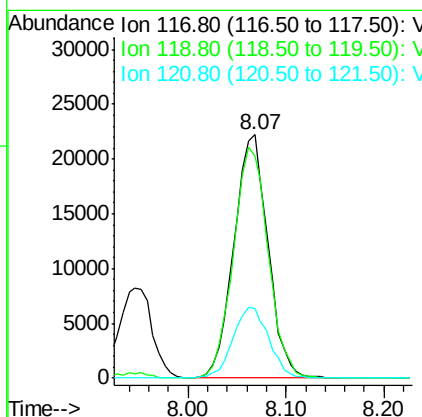
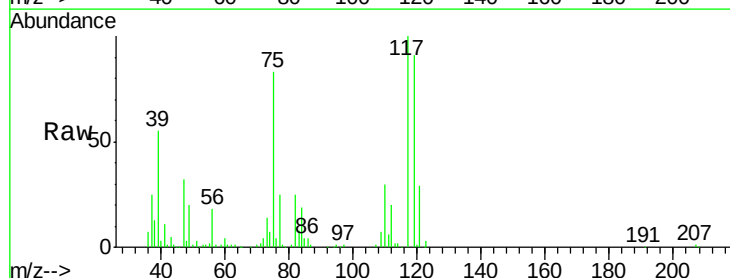
Manual Integrations
APPROVED

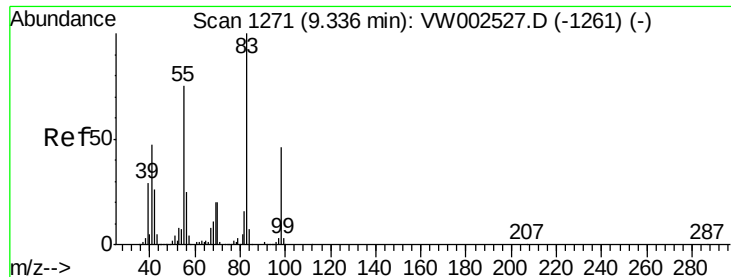
apatel
5/16/2018 12:27:06 PM



#38
Carbon Tetrachloride
Concen: 19.85 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	73.1	109.7
121	28.8	24.4	36.6





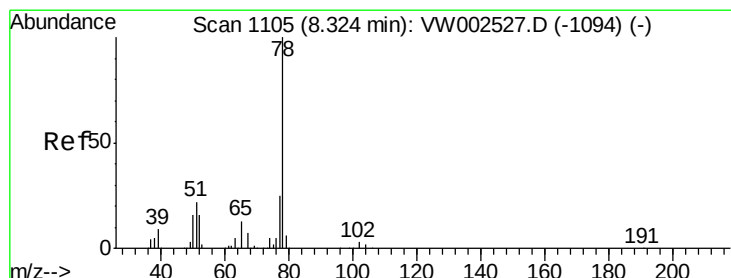
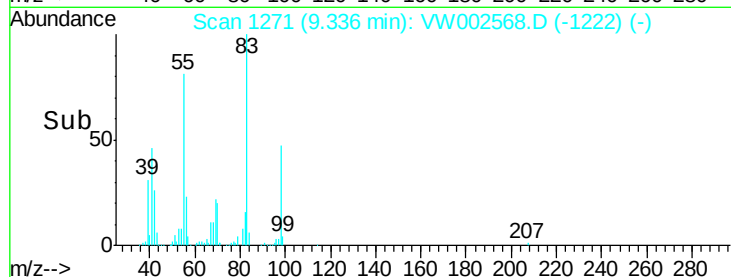
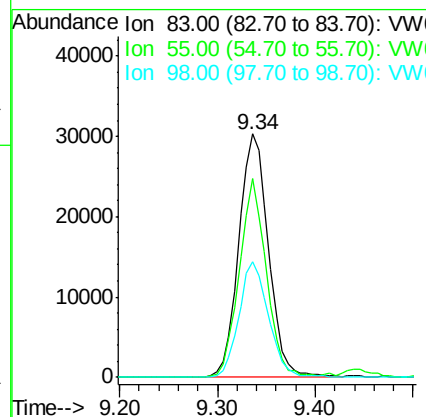
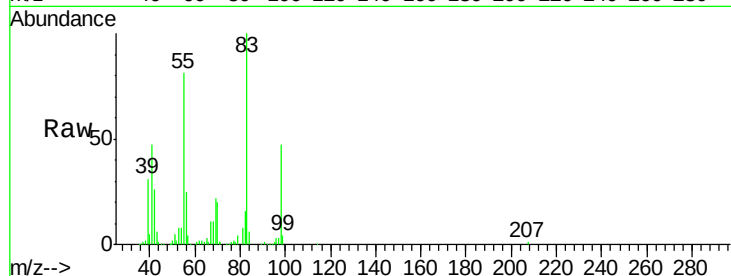
#39
Methylvlcyclohexane
Concen: 20.16 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	60.0	90.0
98	47.2	37.0	55.4

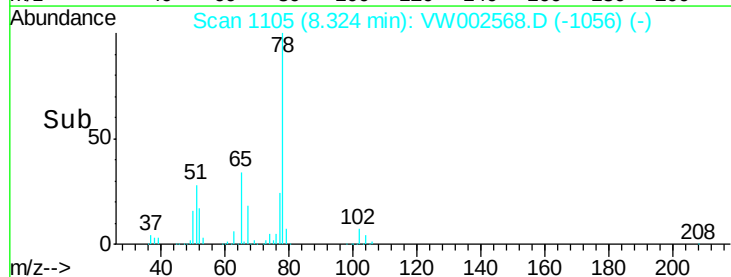
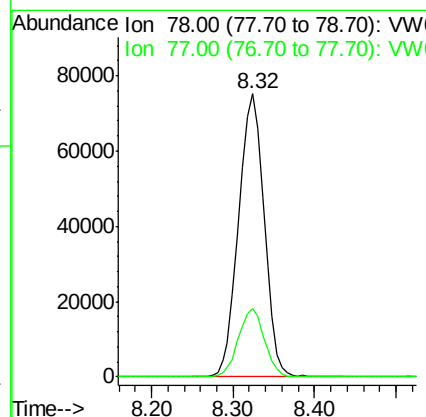
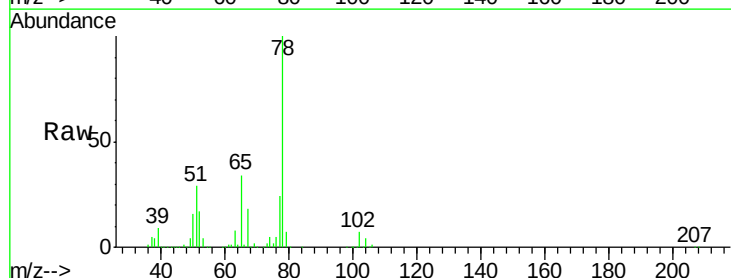
Manual Integrations
APPROVED

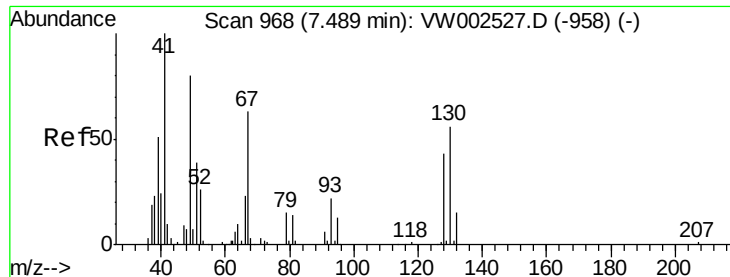
apatel
5/16/2018 12:27:06 PM



#40
Benzene
Concen: 20.55 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.9	29.9





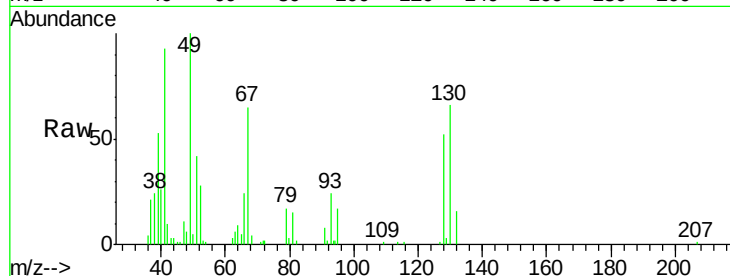
#41
Methacrylonitrile
Concen: 20.57 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

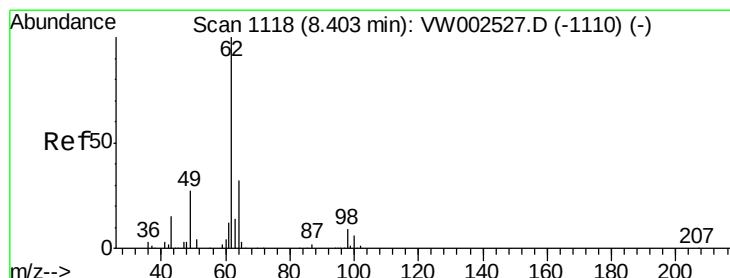
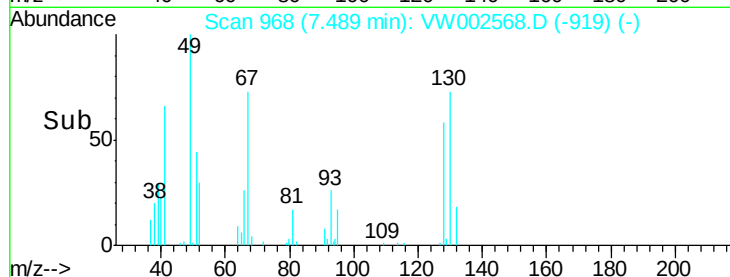
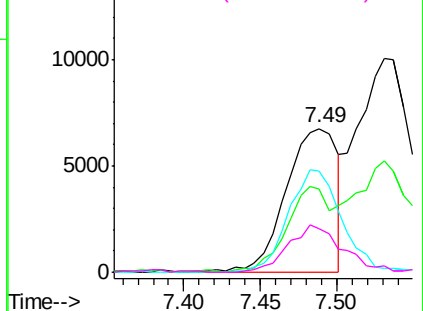
Tot Ion	41	Resp	15783
Ion Ratio	Lower	Upper	
41	100		
39	47.4	51.8	77.8#
67	74.8	59.9	89.9
52	34.9	26.6	39.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM

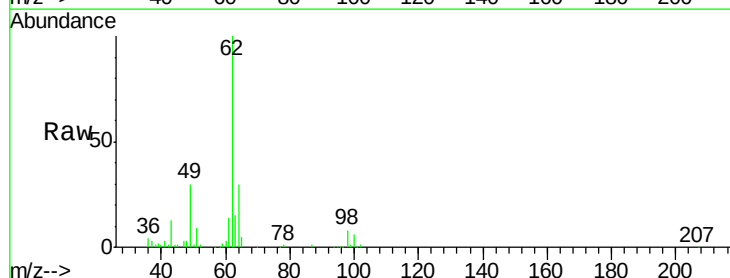


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

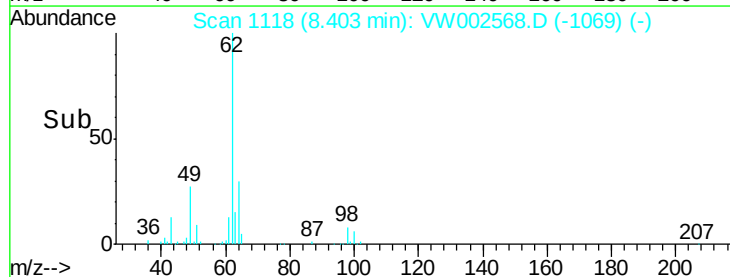
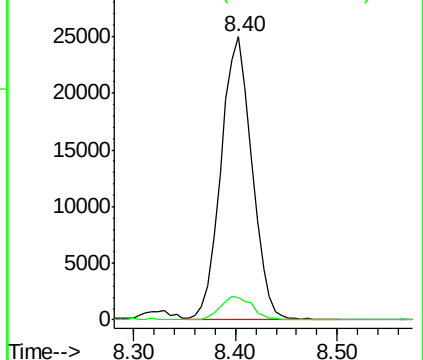


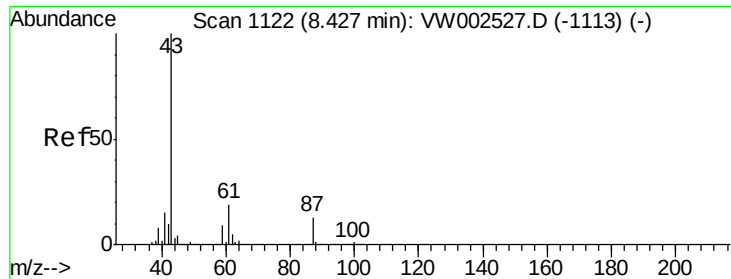
#42
1,2-Dichloroethane
Concen: 20.91 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	62	Resp	52696
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 20.15 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

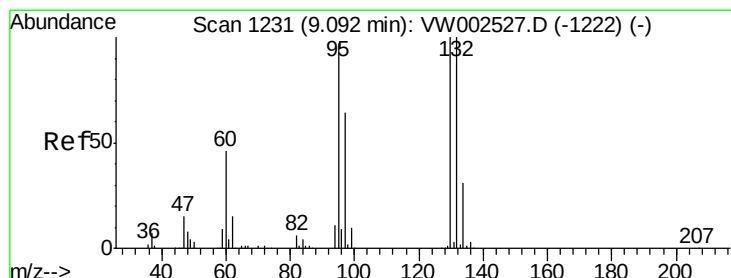
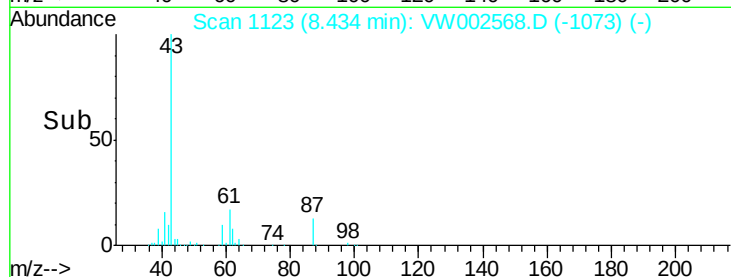
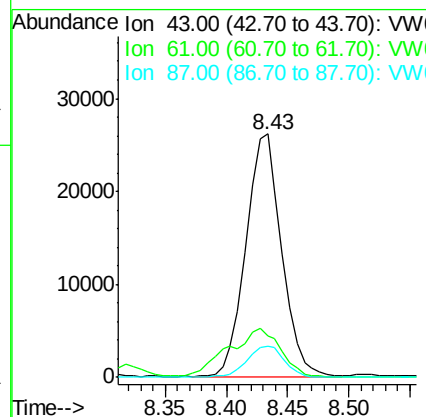
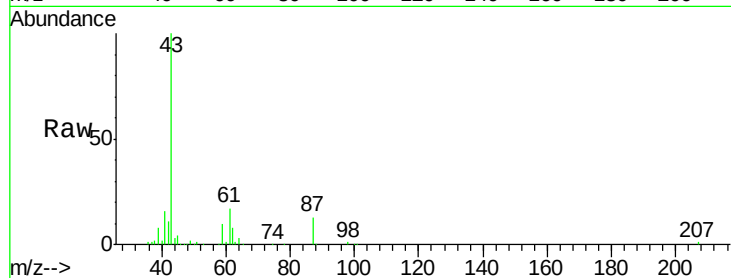
ClientSampleId :

VW0515SBS03

Tot Ion:	43	Resp:	53134
Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.0	34.6
87	13.7	10.6	15.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



#44

Trichloroethene

Concen: 20.63 ug/l

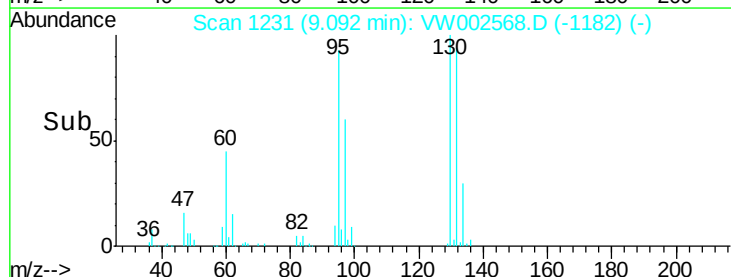
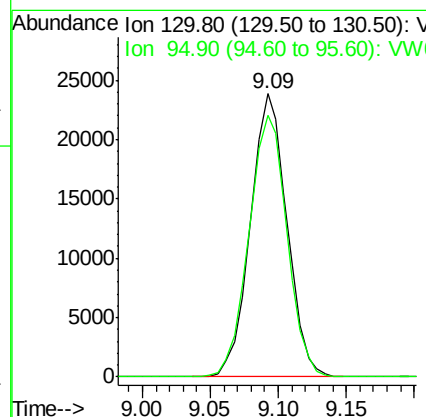
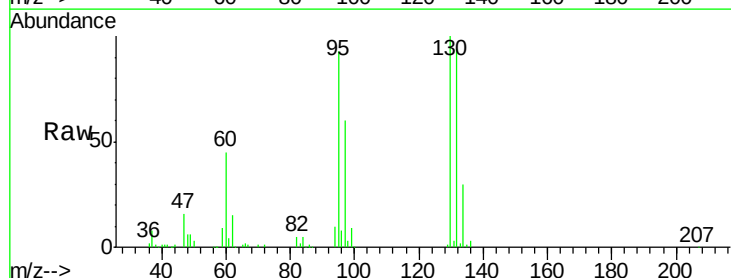
RT: 9.09 min Scan# 1231

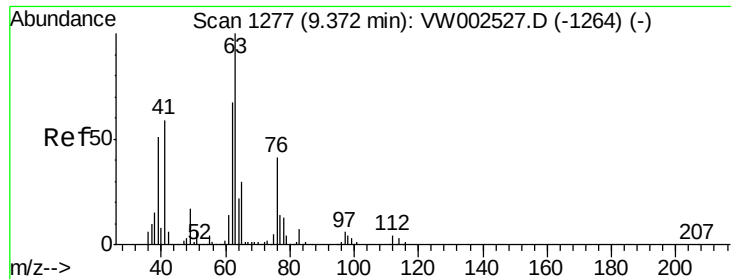
Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion:	130	Resp:	44864
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	194.6





#45

1,2-Dichloropropane

Concen: 20.15 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampled :

VW0515SBS03

Tot Ion: 63 Resp: 40746

Ion Ratio Lower Upper

63 100

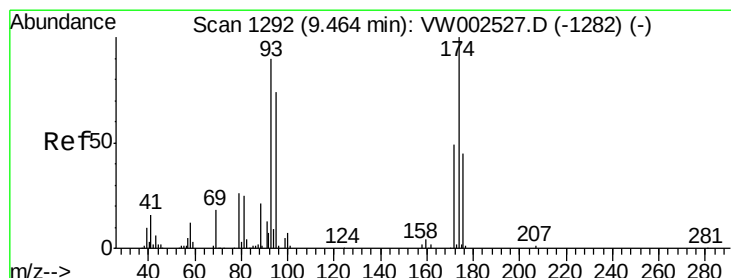
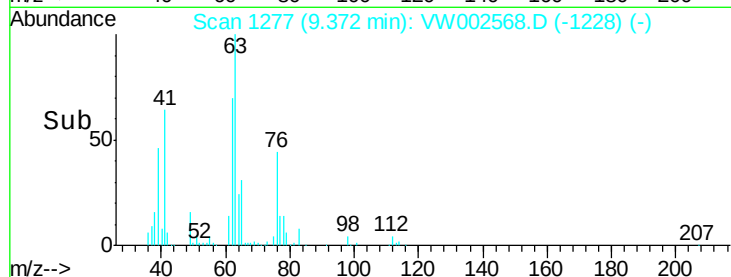
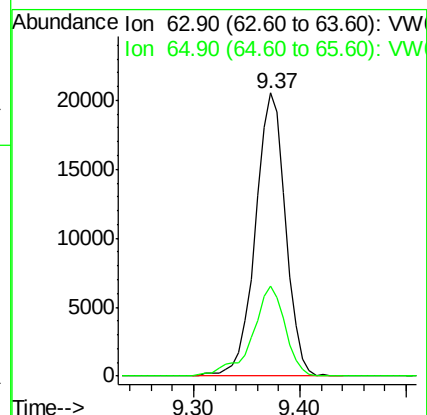
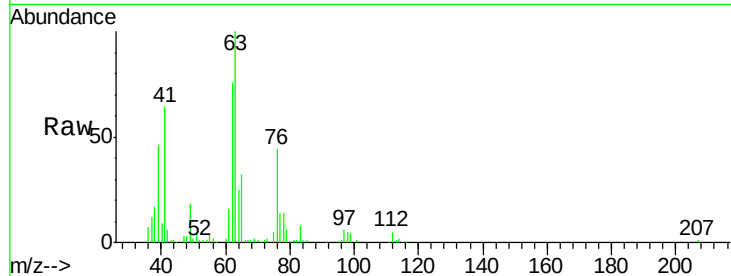
65 31.9 24.4 36.6

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#46

Dibromomethane

Concen: 21.07 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

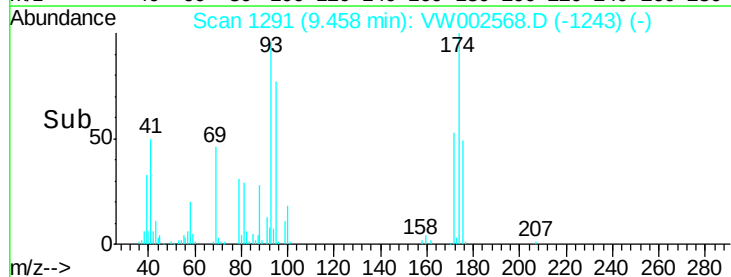
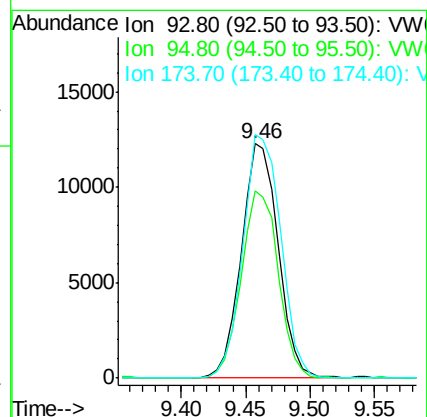
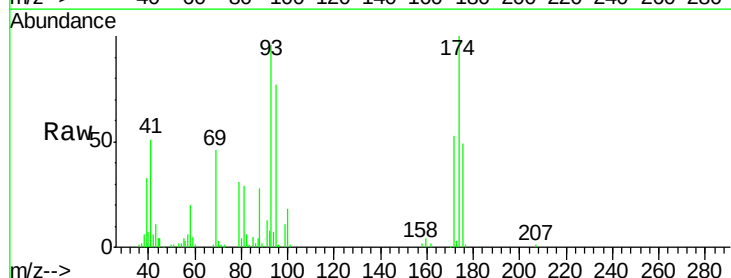
Tgt Ion: 93 Resp: 24255

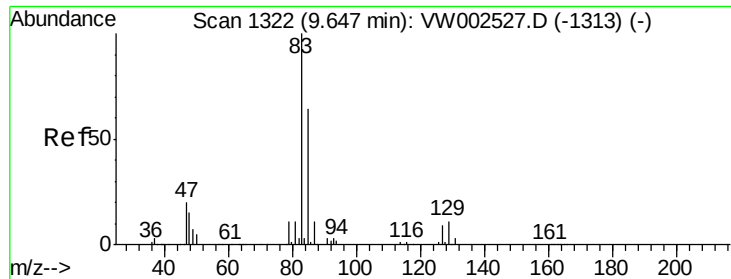
Ion Ratio Lower Upper

93 100

95 80.5 66.6 100.0

174 106.6 84.0 126.0





#47

Bromodichloromethane

Concen: 20.54 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

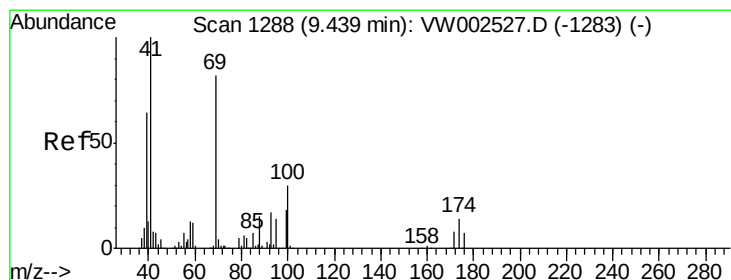
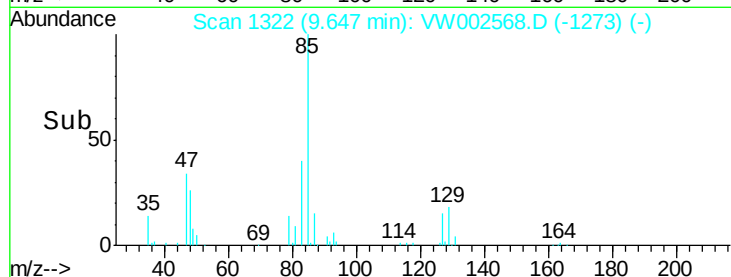
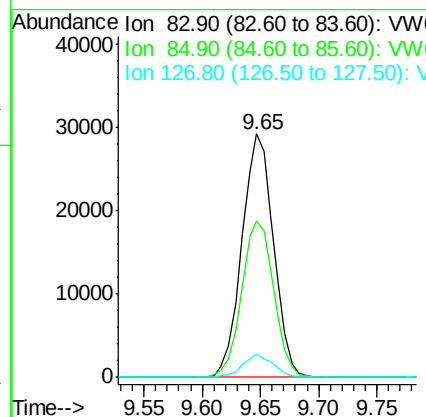
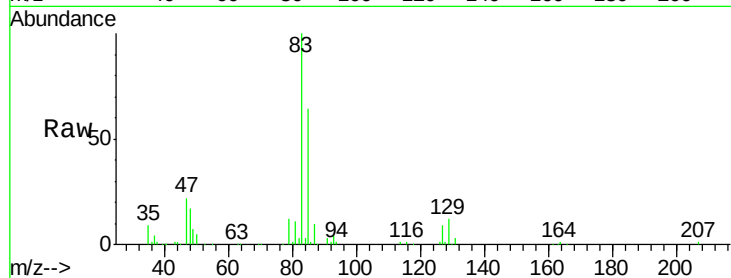
ClientSampleId :

VW0515SBS03

Tot Ion:	83	Resp:	55134
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.2
127	9.5	7.0	10.4

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



#48

Methyl methacrylate

Concen: 20.33 ug/l

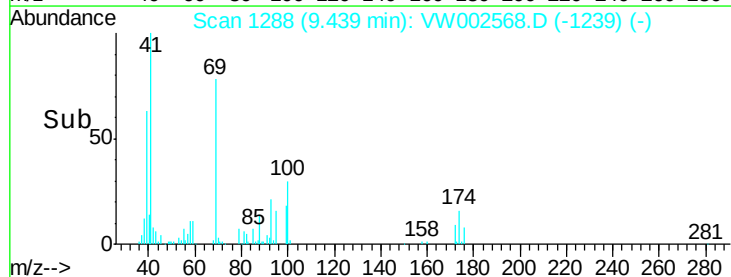
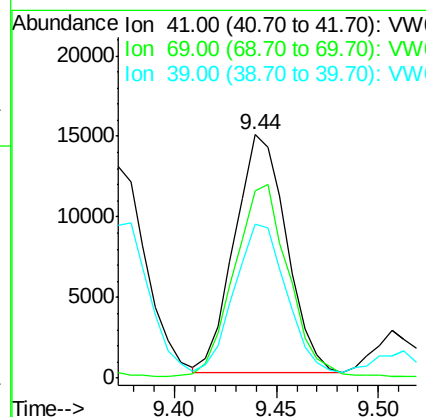
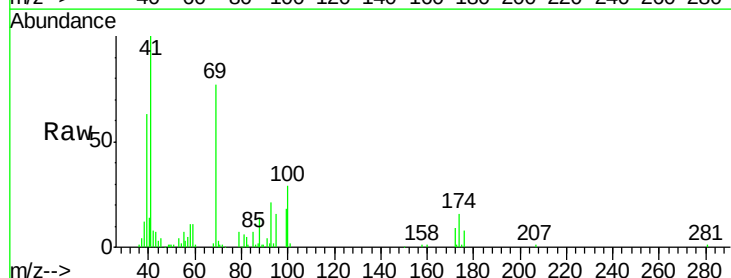
RT: 9.44 min Scan# 1288

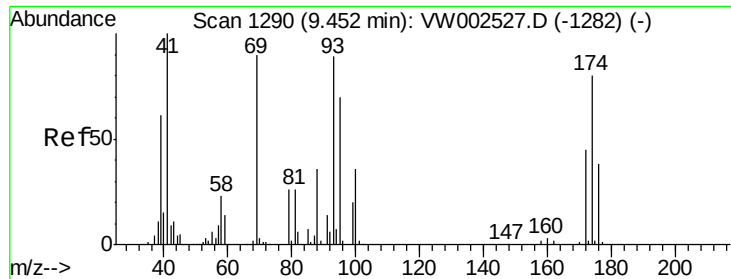
Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion:	41	Resp:	25978
Ion	Ratio	Lower	Upper
41	100		
69	86.2	69.7	104.5
39	67.4	55.0	82.4





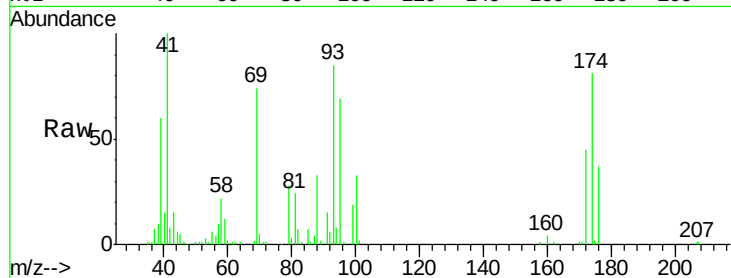
#49
1,4-Dioxane
Concen: 419.39 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	88	Resp	8044
Ion	Ratio	Lower	Upper
88	100		
43	34.7	27.0	40.4
58	72.6	56.9	85.3

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM

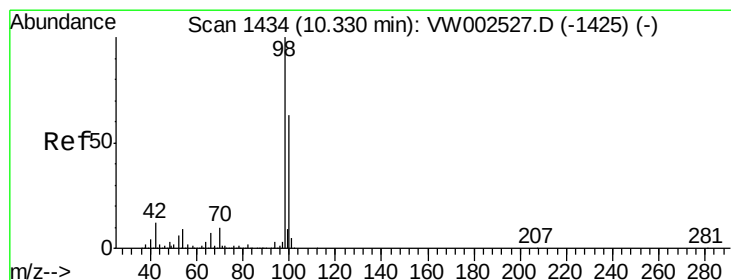
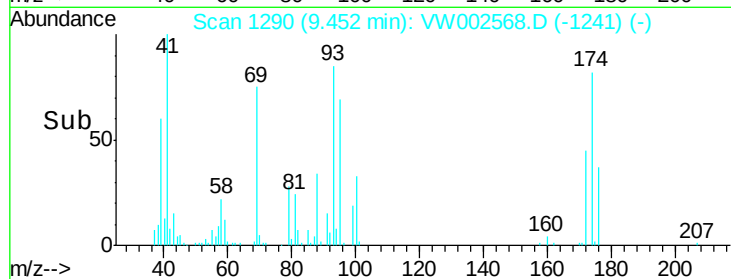
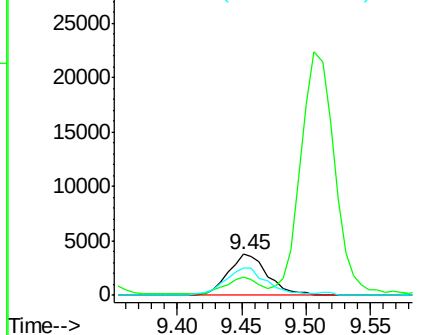


Abundance

Ion 88.00 (87.70 to 88.70): VW

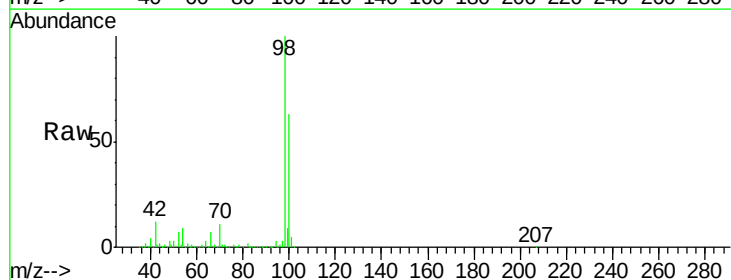
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 51.64 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

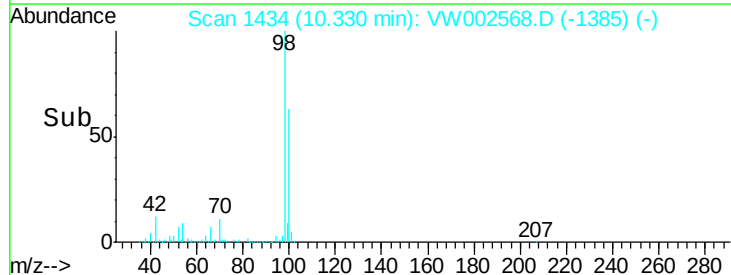
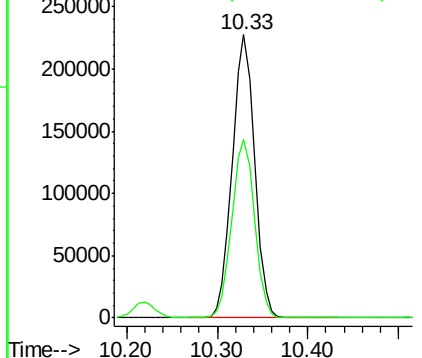
Tgt Ion	98	Resp	390408
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.4

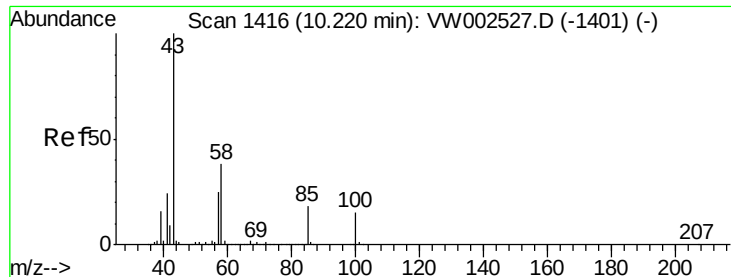


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 103.00 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS03

Tot Ion: 43 Resp: 149129

Ion Ratio Lower Upper

43 100

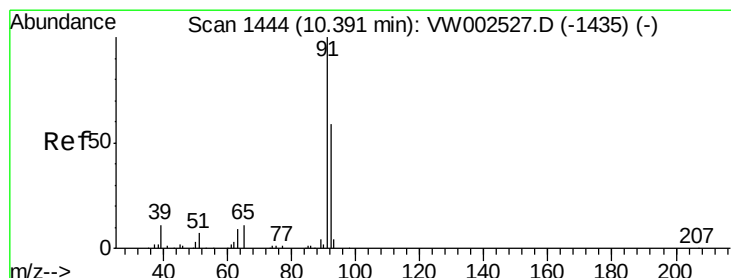
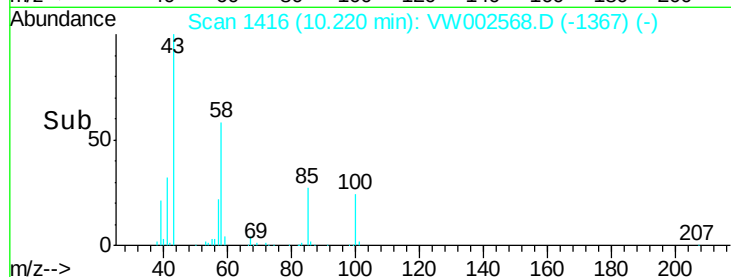
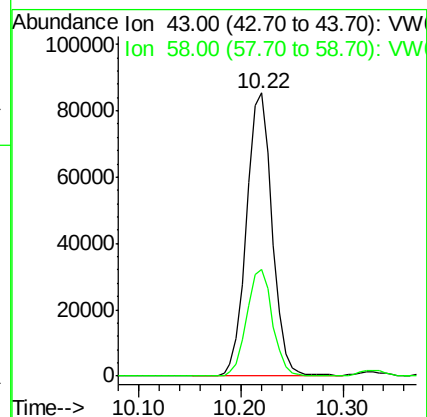
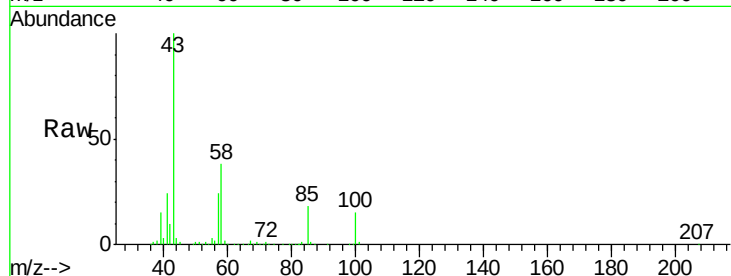
58 37.8 30.1 45.1

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#52

Toluene

Concen: 20.92 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW002568.D

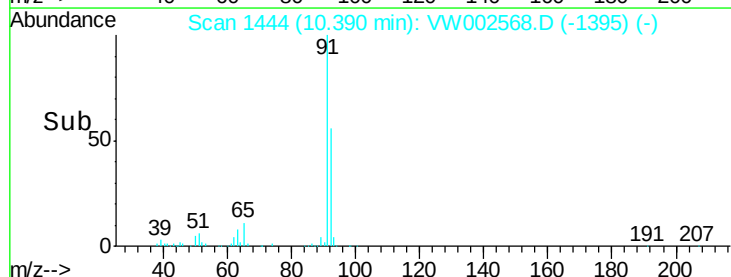
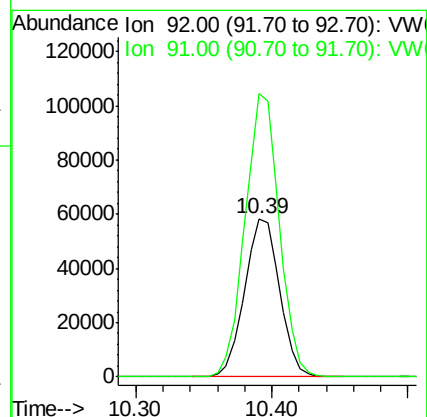
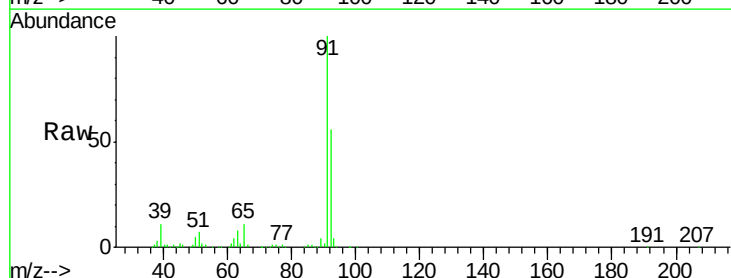
Acq: 16 May 2018 00:32

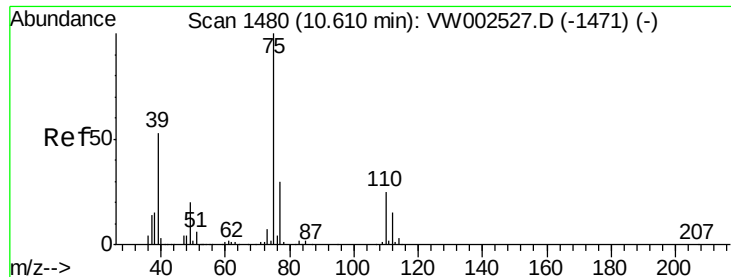
Tgt Ion: 92 Resp: 104975

Ion Ratio Lower Upper

92 100

91 175.3 139.1 208.7





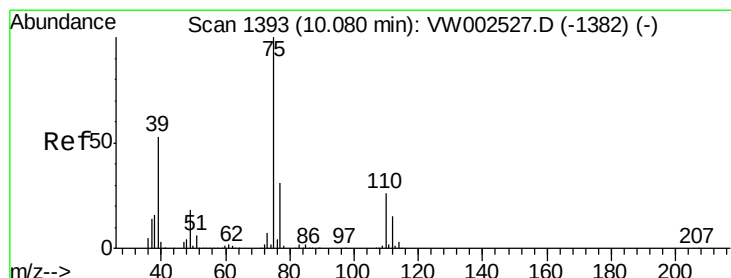
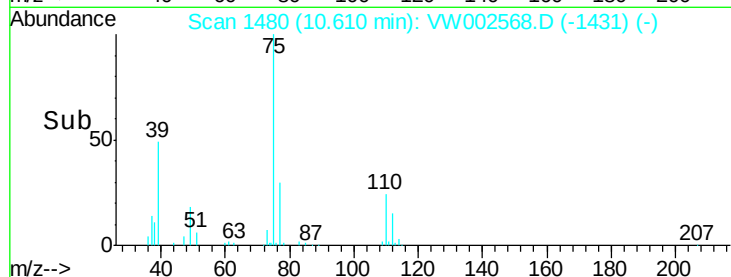
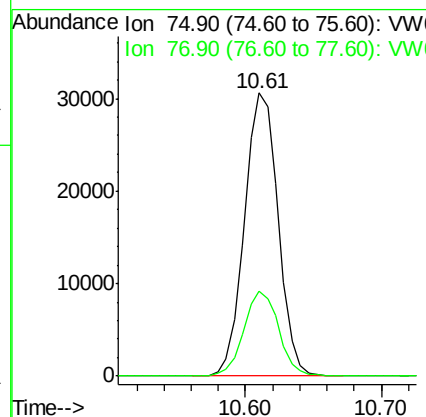
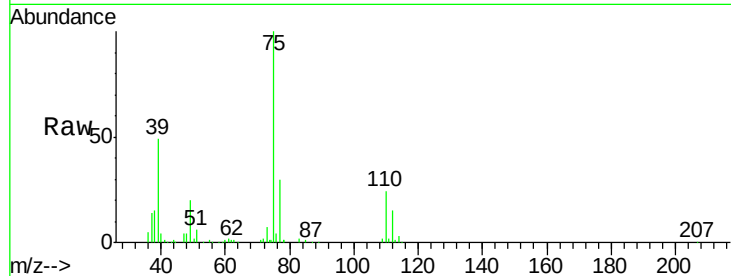
#53
t-1,3-Dichloropropene
Concen: 19.52 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.1	36.1

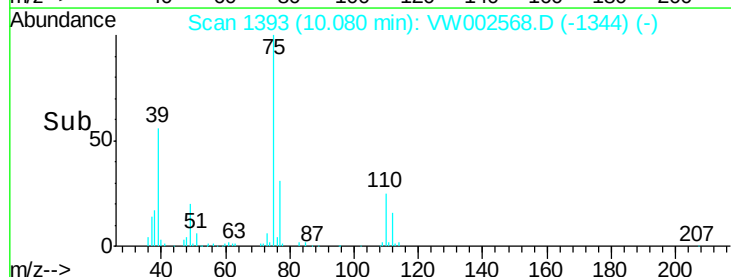
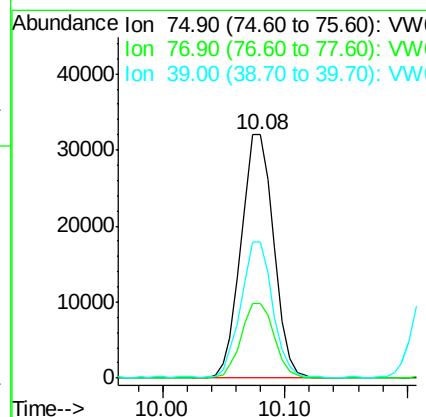
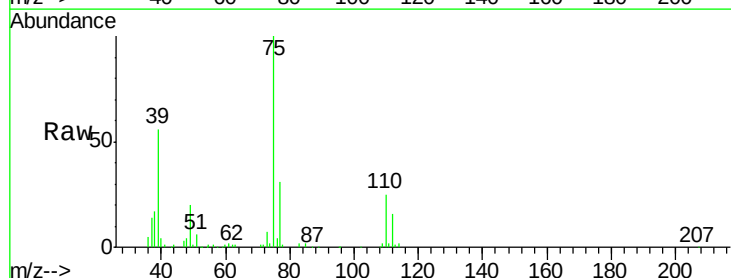
Manual Integrations
APPROVED

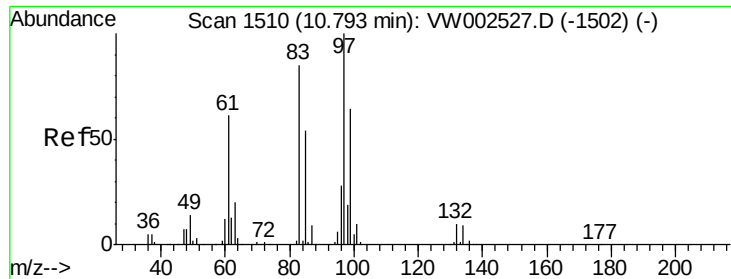
apatel
5/16/2018 12:27:06 PM



#54
cis-1,3-Dichloropropene
Concen: 19.62 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	55.7	42.5	63.7





#55

1,1,2-Trichloroethane

Concen: 20.68 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

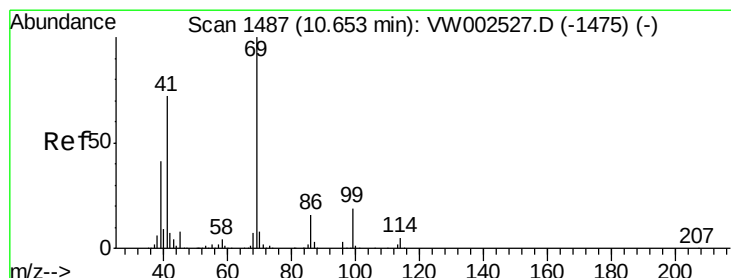
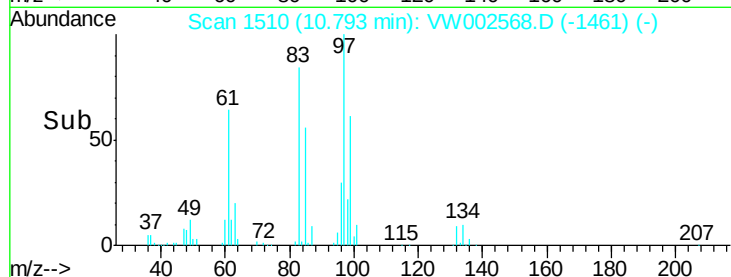
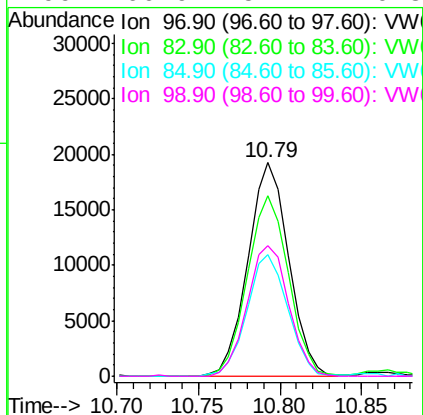
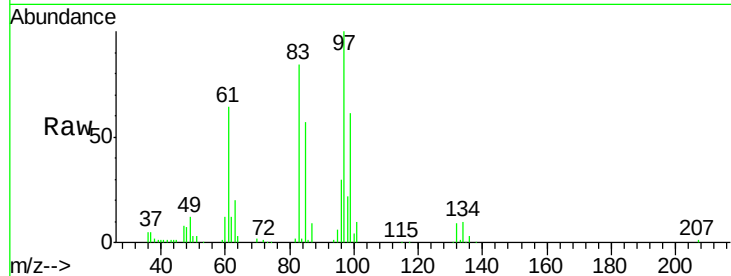
ClientSampled :

VW0515SBS03

Tot Ion:	97	Resp:	33536
Ion	Ratio	Lower	Upper
97	100		
83	84.5	68.1	102.1
85	56.7	43.6	65.4
99	60.9	51.2	76.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



#56

Ethyl methacrylate

Concen: 20.26 ug/l

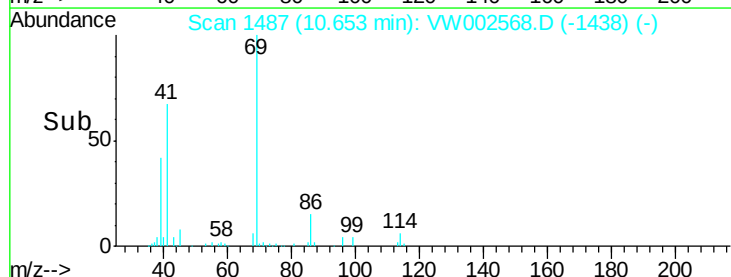
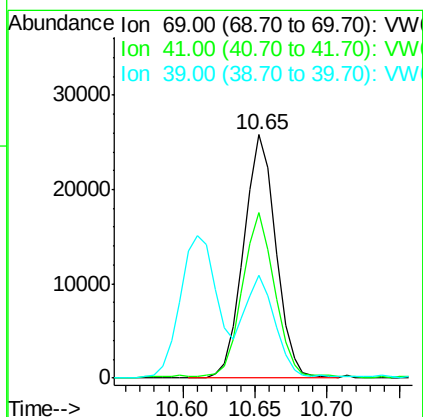
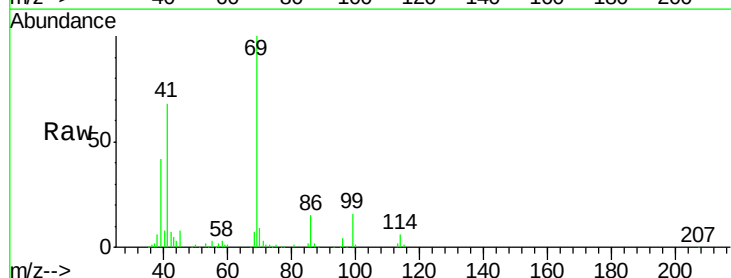
RT: 10.65 min Scan# 1487

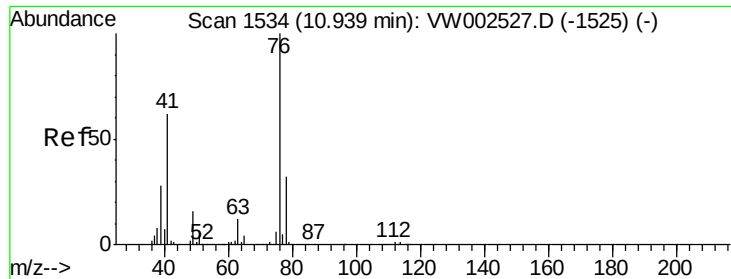
Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion:	69	Resp:	40039
Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.3	82.9
39	39.8	33.0	49.6





#57

1,3-Dichloropropane

Concen: 21.35 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS03

Tot Ion: 76 Resp: 57420

Ion Ratio Lower Upper

76 100

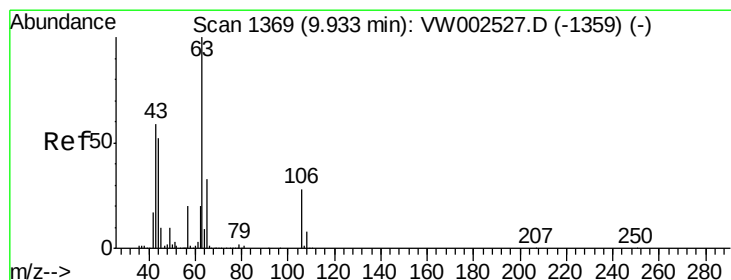
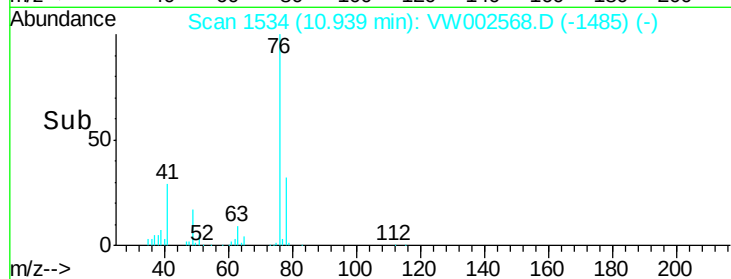
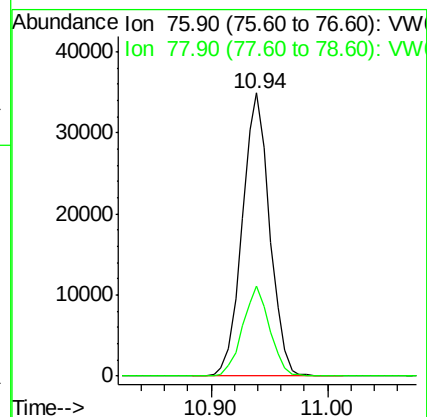
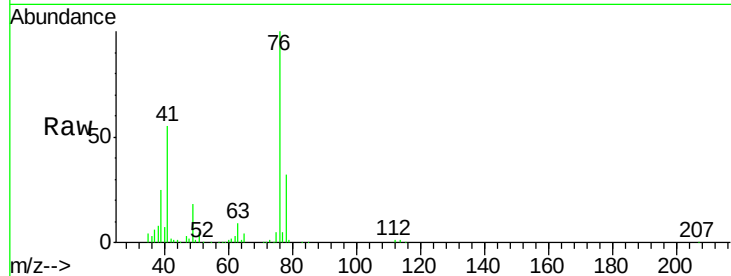
78 31.4 25.6 38.4

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#58

2-Chloroethyl Vinyl ether

Concen: 106.66 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW002568.D

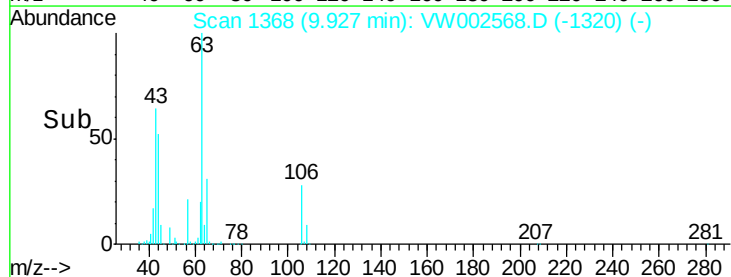
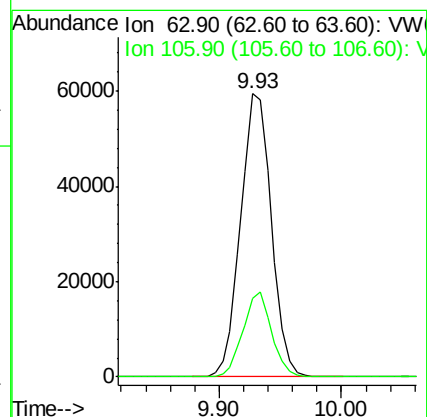
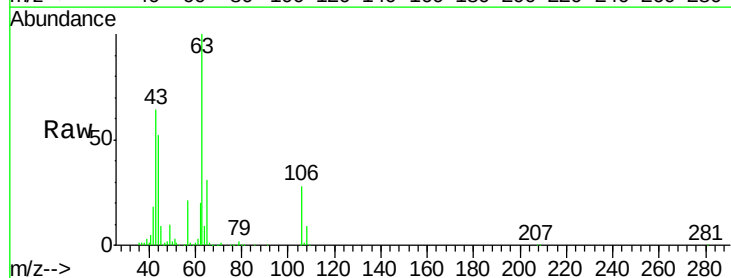
Acq: 16 May 2018 00:32

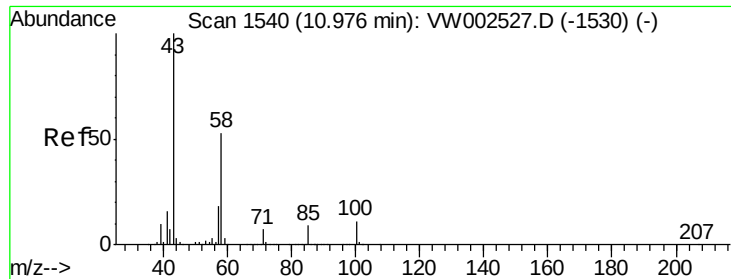
Tgt Ion: 63 Resp: 103469

Ion Ratio Lower Upper

63 100

106 27.7 22.9 34.3





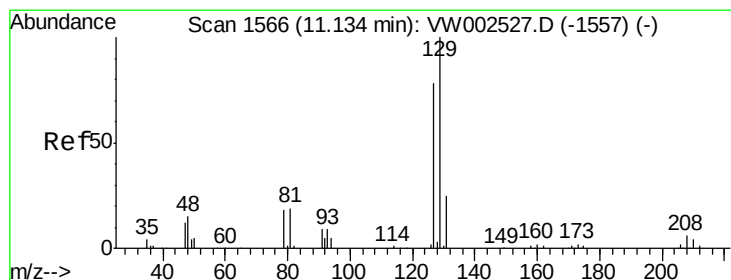
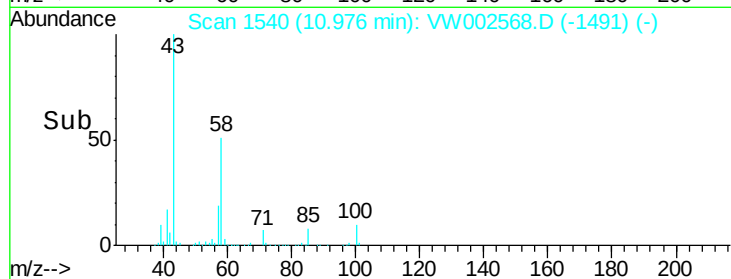
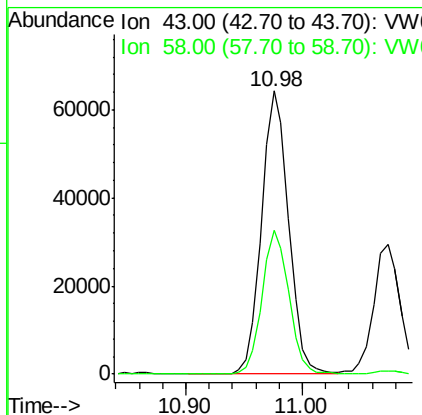
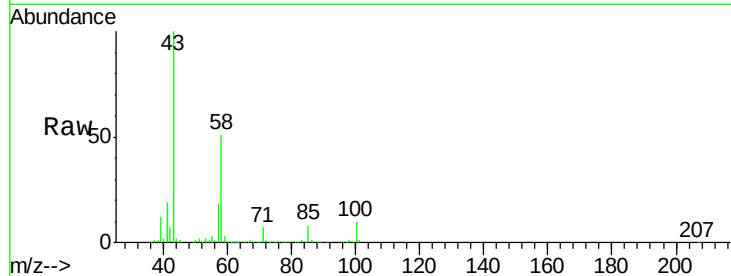
#59
2-Hexanone
Concen: 103.24 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion: 43 Resp: 103197
Ion Ratio Lower Upper
43 100
58 50.5 26.3 78.8

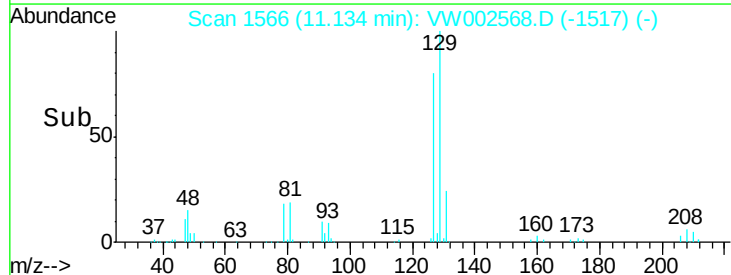
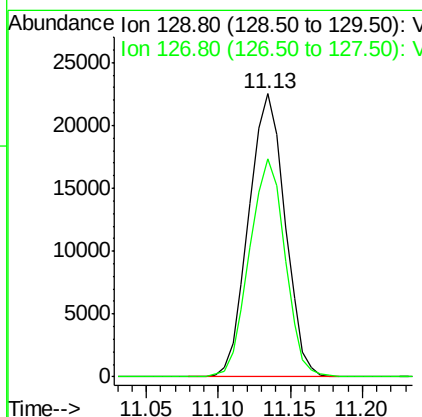
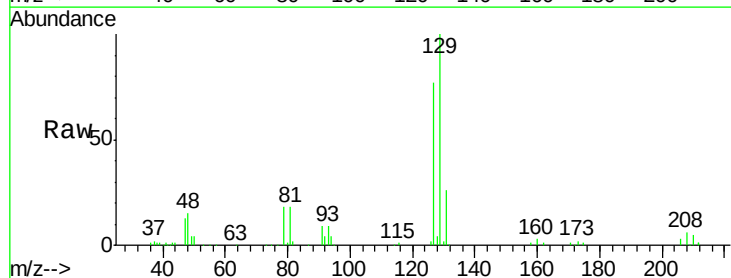
Manual Integrations
APPROVED

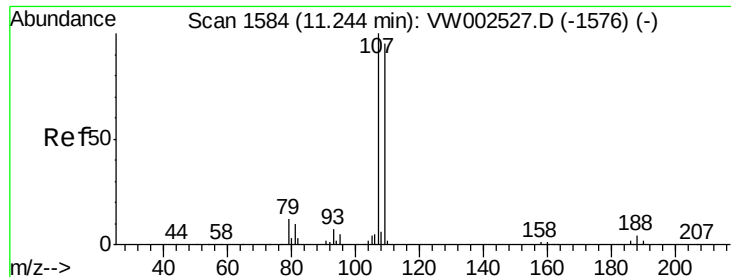
apatel
5/16/2018 12:27:06 PM



#60
Dibromochloromethane
Concen: 20.50 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion: 129 Resp: 39222
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.7





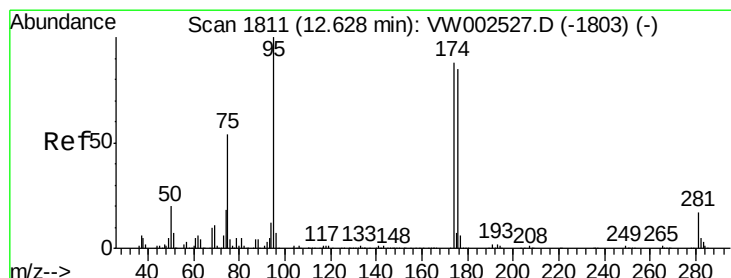
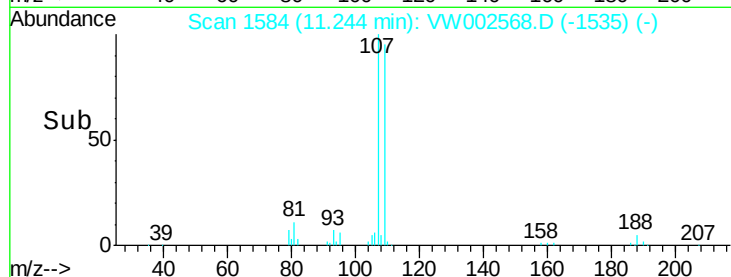
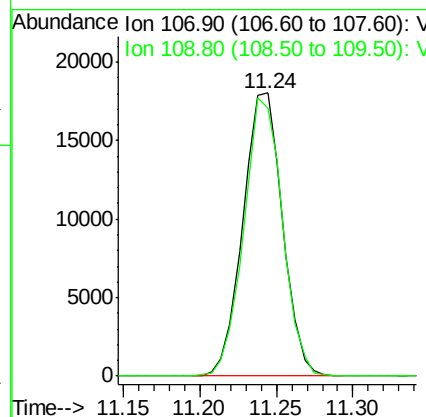
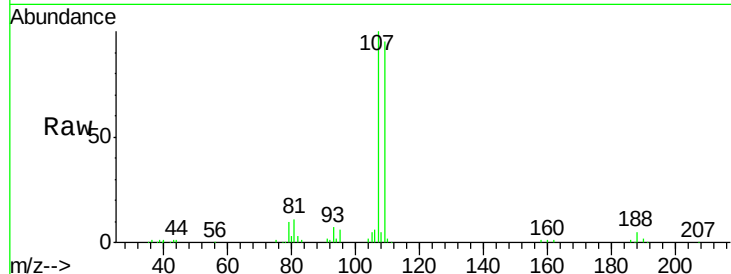
#61
 1,2-Dibromoethane
 Concen: 20.71 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.4	113.2

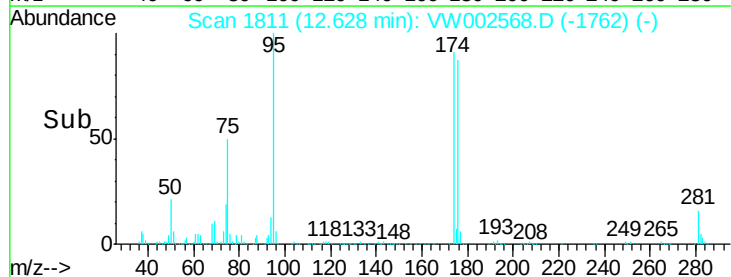
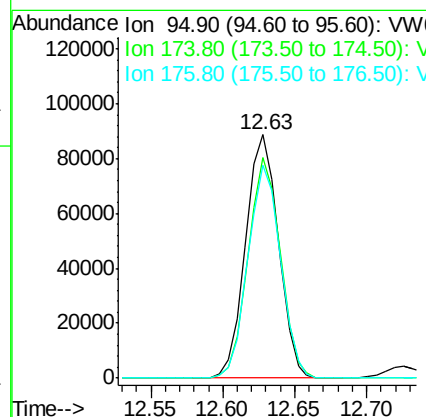
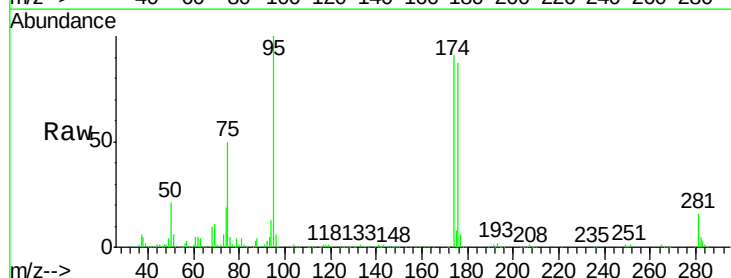
Manual Integrations
 APPROVED

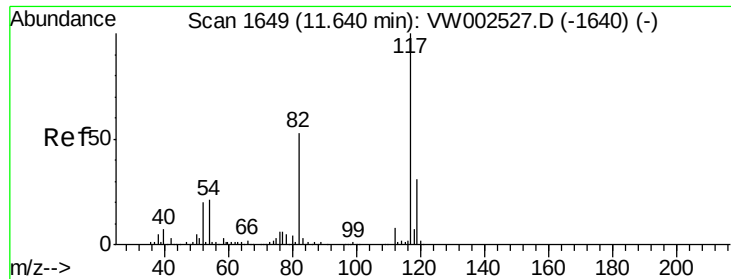
apatel
 5/16/2018 12:27:06 PM



#62
 4-Bromofluorobenzene
 Concen: 50.72 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	176.6
176	86.4	0.0	172.2





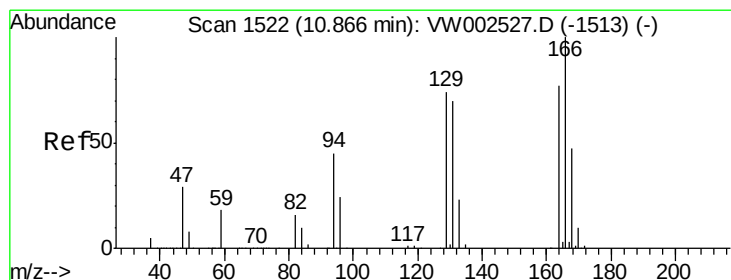
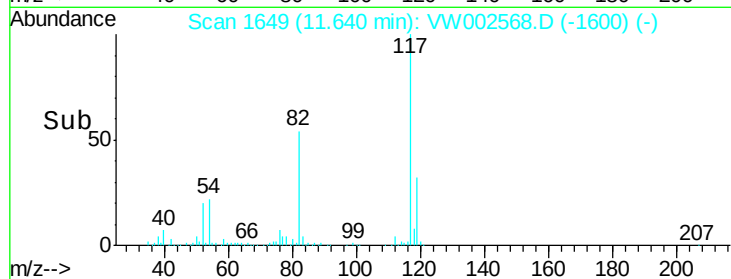
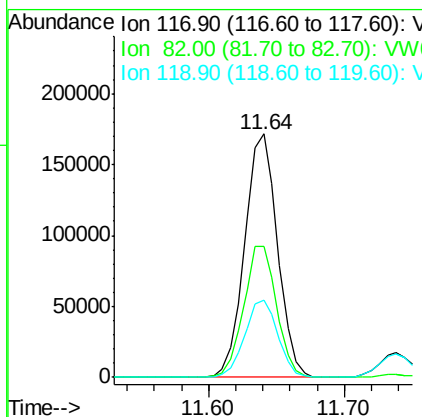
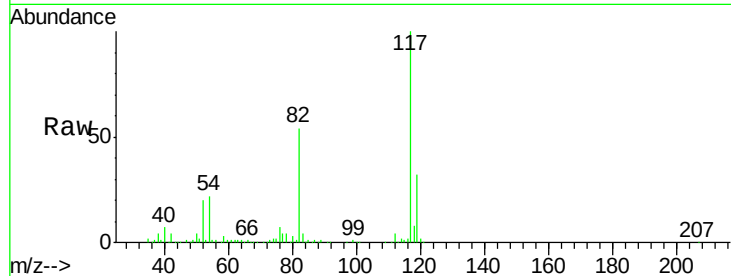
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289498		
82	53.6		42.6	64.0
119	31.8		25.0	37.6

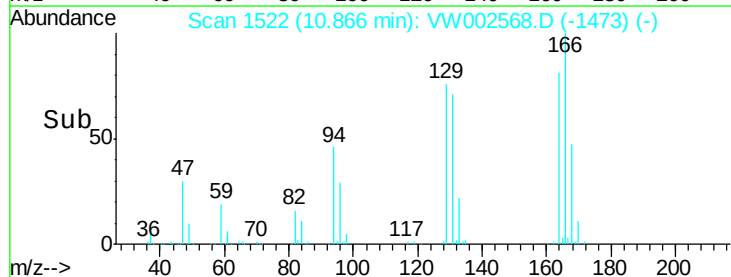
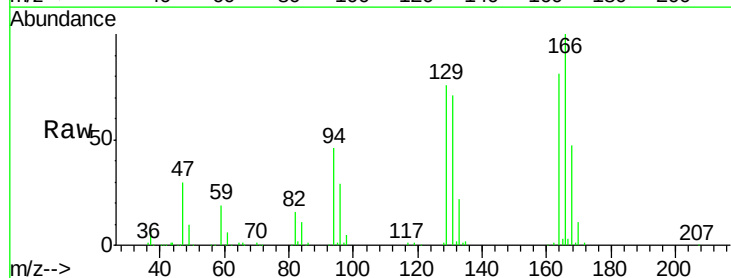
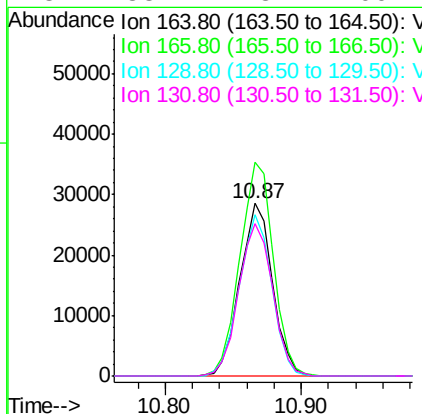
Manual Integrations
APPROVED

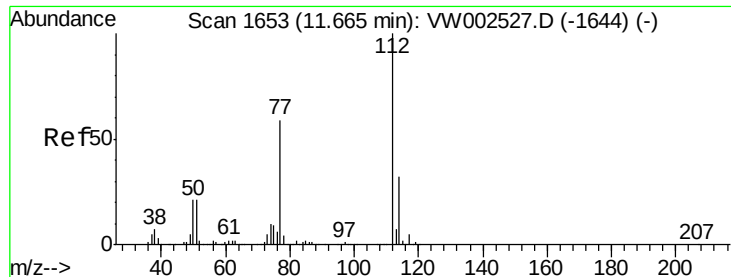
apatel
5/16/2018 12:27:06 PM



#64
Tetrachloroethene
Concen: 23.46 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47870		
166	123.6		104.2	156.2
129	93.4		77.0	115.4
131	88.2		73.1	109.7





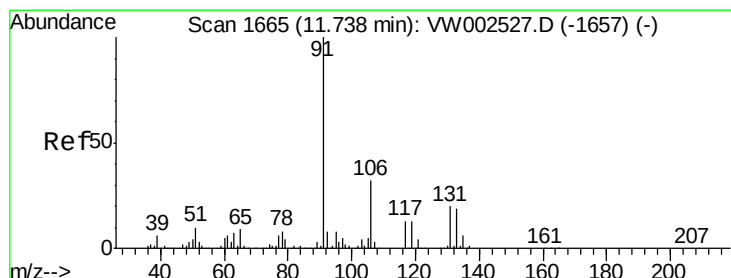
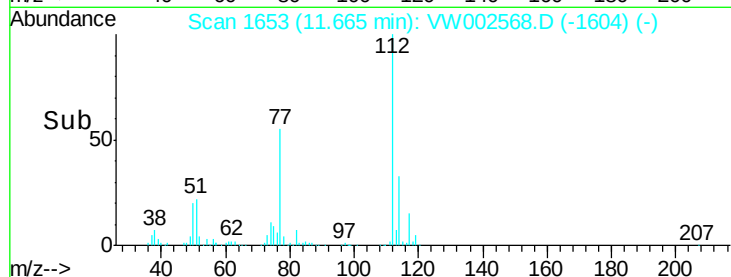
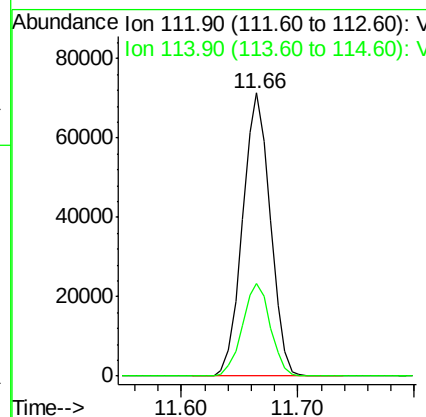
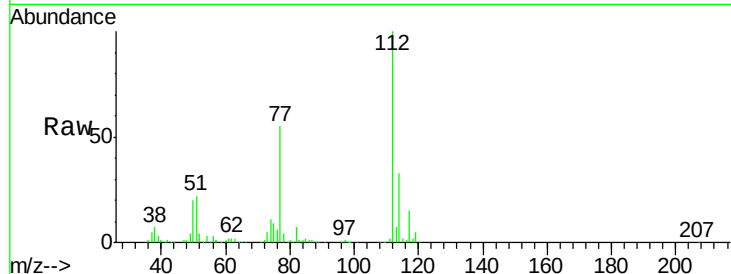
#65
Chlorobenzene
Concen: 20.58 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.3	37.9

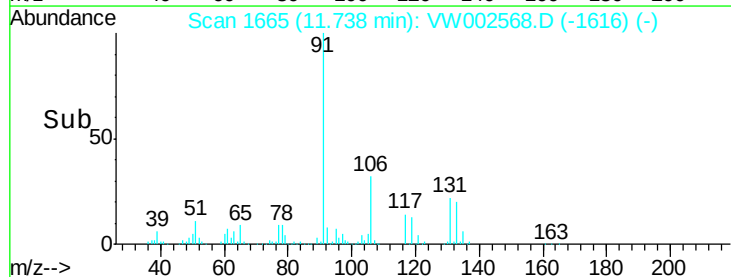
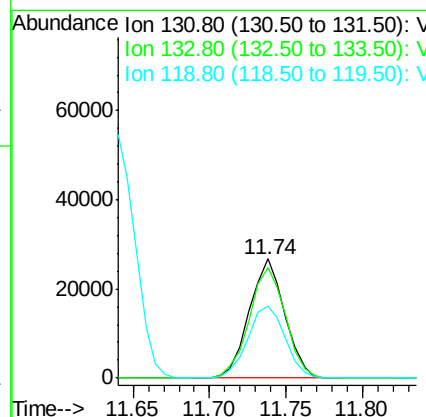
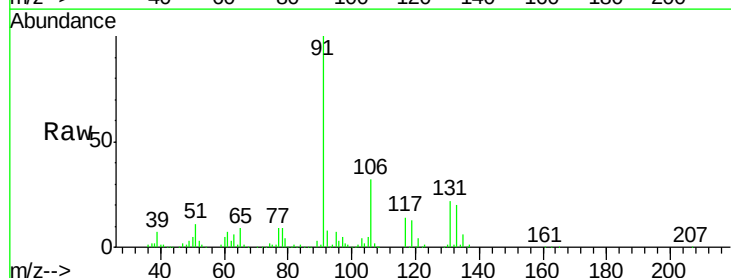
Manual Integrations
APPROVED

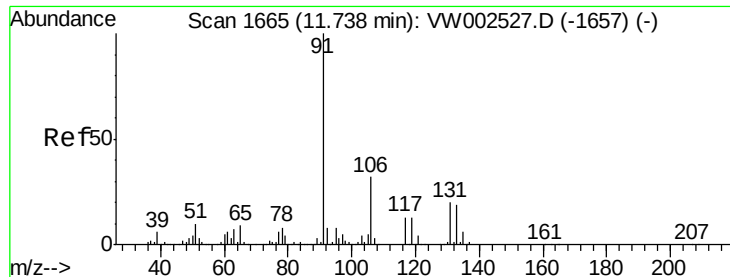
apatel
5/16/2018 12:27:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.77 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.4	145.3
119	63.9	32.2	96.6





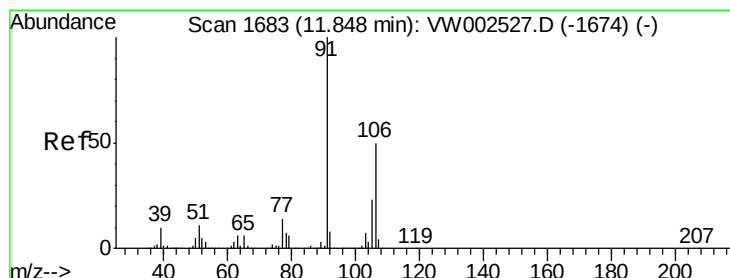
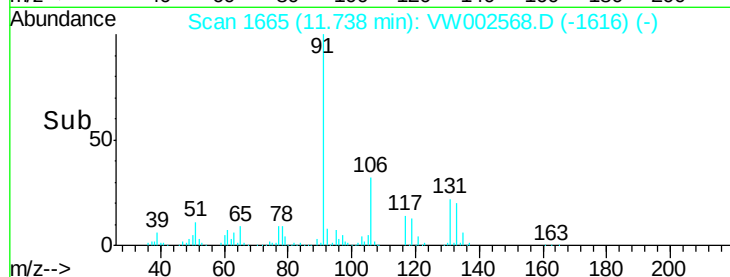
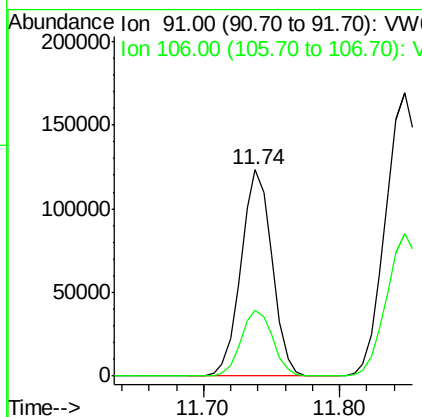
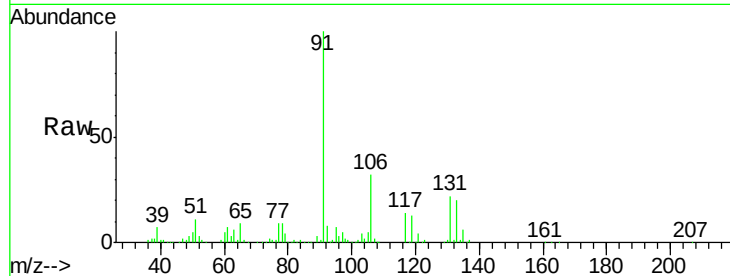
#67
Ethyl Benzene
Concen: 20.05 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.4	38.0

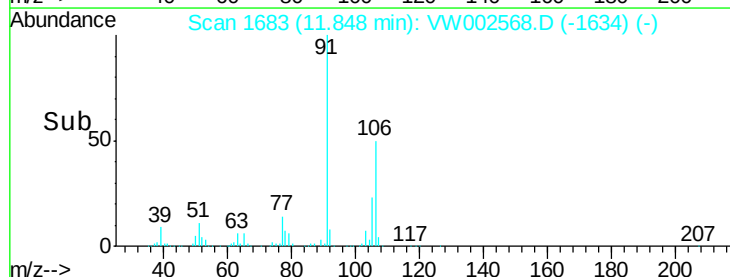
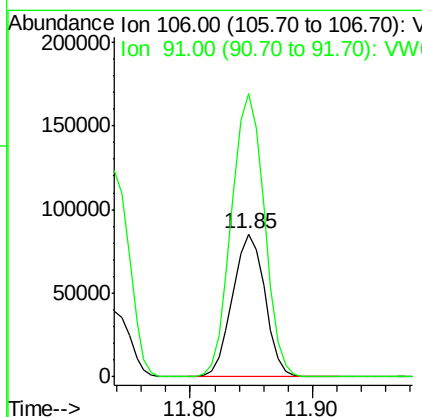
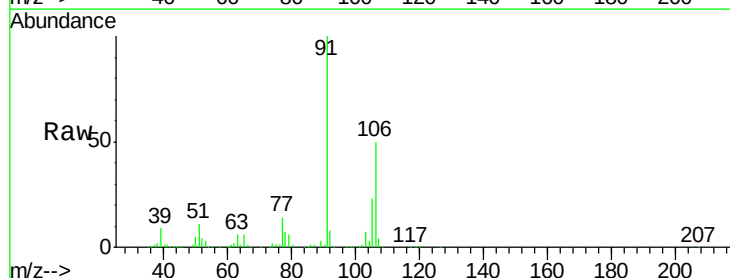
Manual Integrations
APPROVED

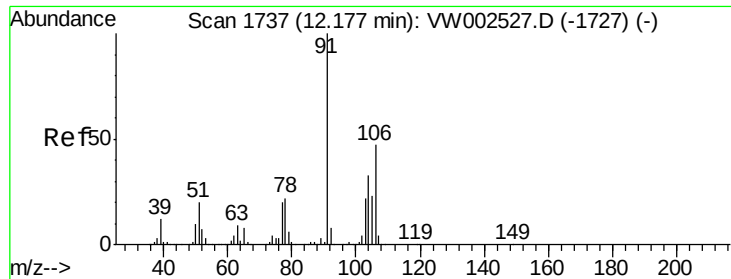
apatel
5/16/2018 12:27:06 PM



#68
m/p-Xylenes
Concen: 41.16 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.4	161.4	242.2





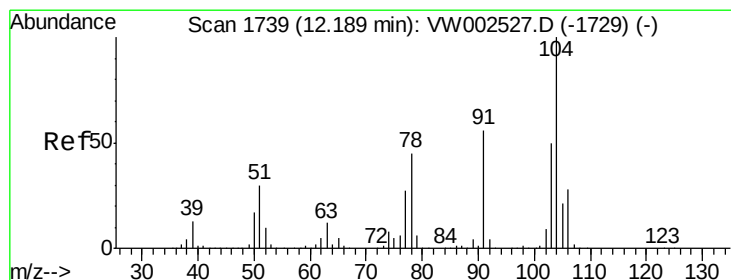
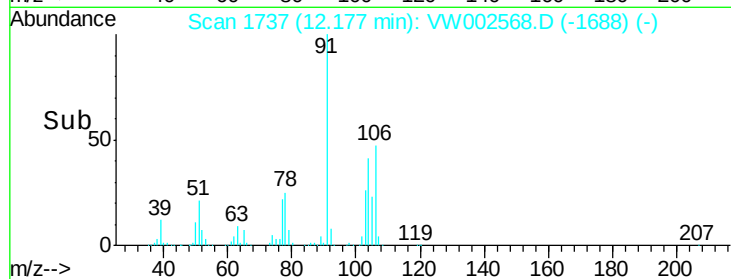
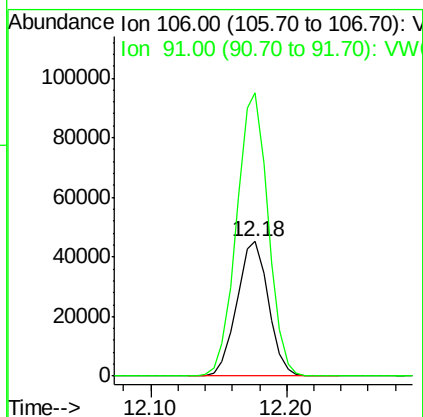
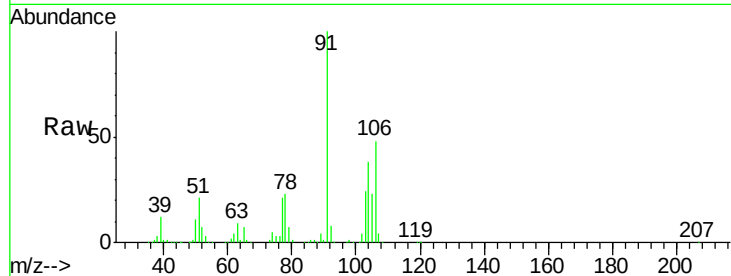
#69
o-Xylene
Concen: 20.24 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion:106 Resp: 73289
Ion Ratio Lower Upper
106 100
91 209.5 106.7 320.2

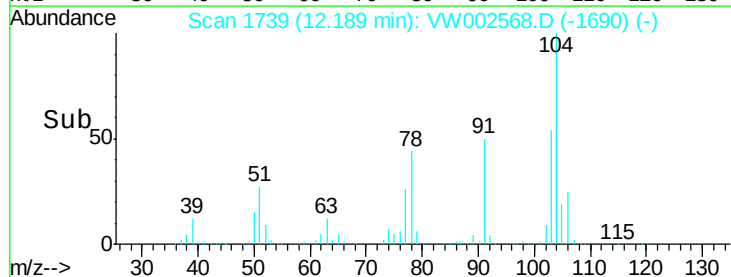
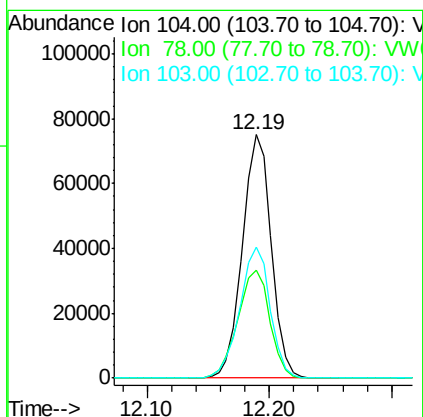
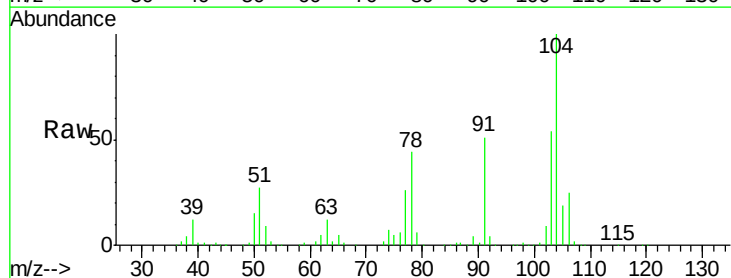
Manual Integrations
APPROVED

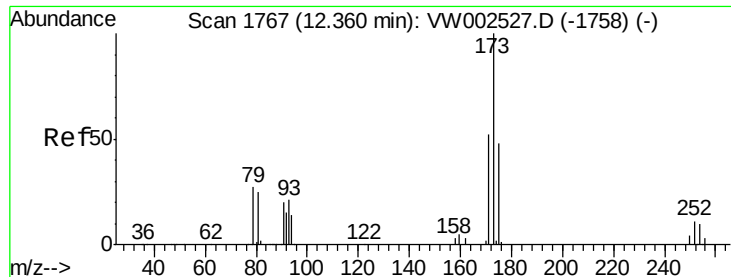
apatel
5/16/2018 12:27:06 PM



#70
Styrene
Concen: 20.41 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion:104 Resp: 122954
Ion Ratio Lower Upper
104 100
78 49.3 40.1 60.1
103 56.9 44.6 66.8





#71

Bromoform

Concen: 21.02 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

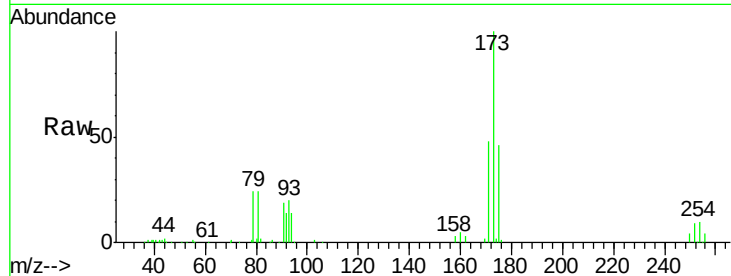
ClientSampleId :

VW0515SBS03

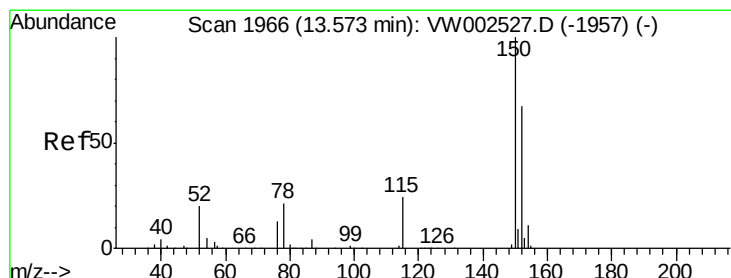
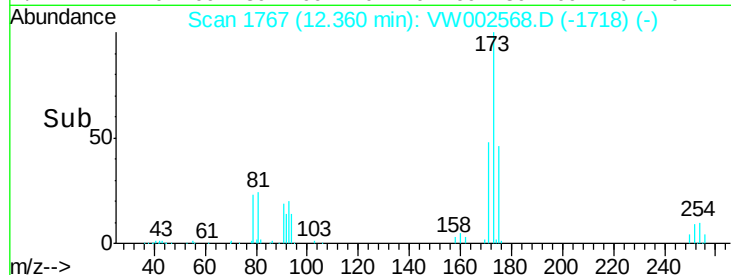
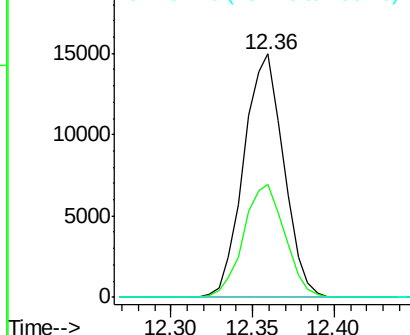
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.5	73.5
254	0.1	0.1	0.1

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

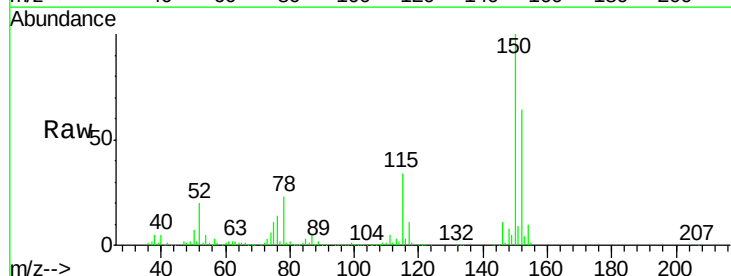
RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

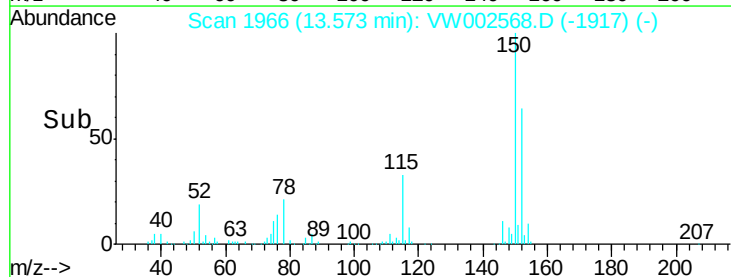
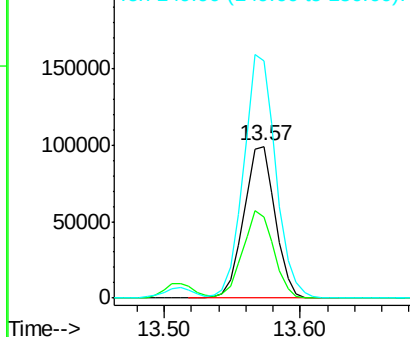
Lab File: VW002568.D

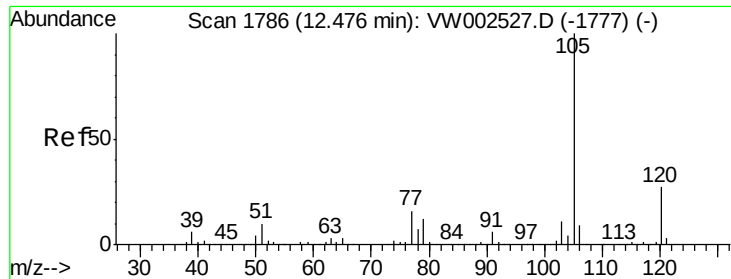
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.0	84.0
150	164.6	0.0	345.4



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: 20.25 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS03

Tot Ion: 105 Resp: 199431

Ion Ratio Lower Upper

105 100

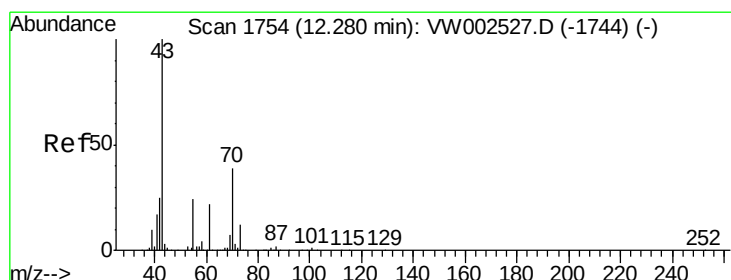
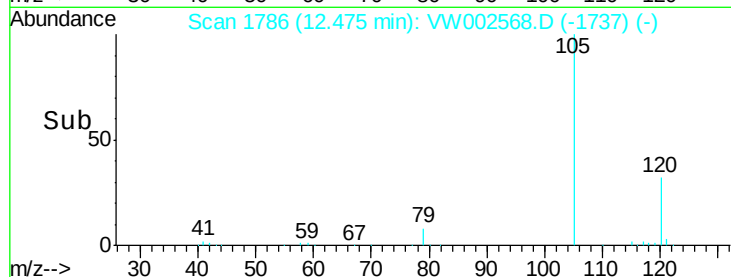
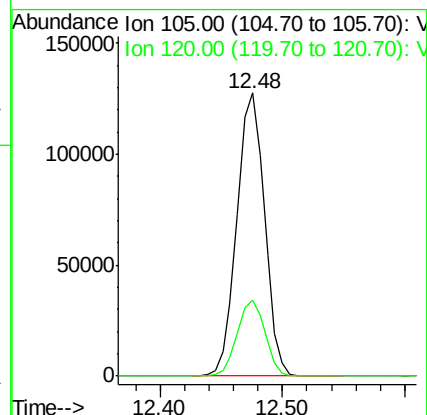
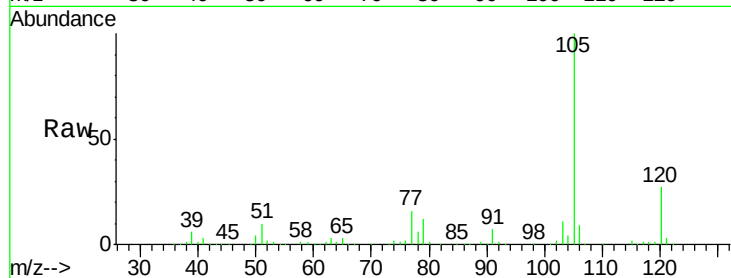
120 26.9 13.4 40.2

Manual Integrations

APPROVED

apatel

5/16/2018 12:27:06 PM



#74

N-ethyl acetate

Concen: 20.39 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion: 43 Resp: 51162

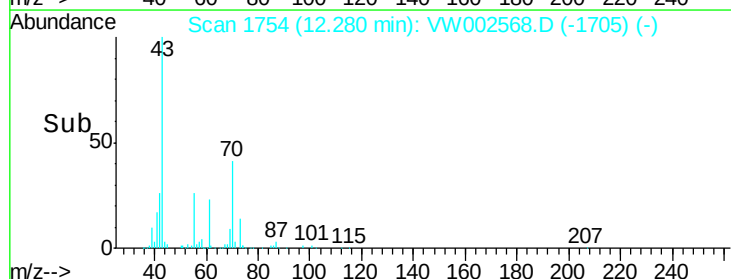
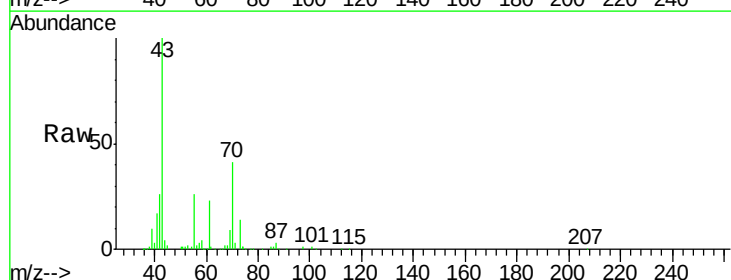
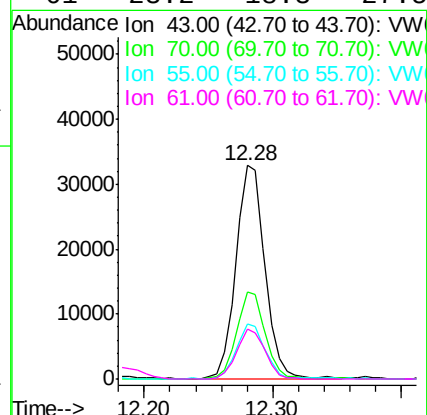
Ion Ratio Lower Upper

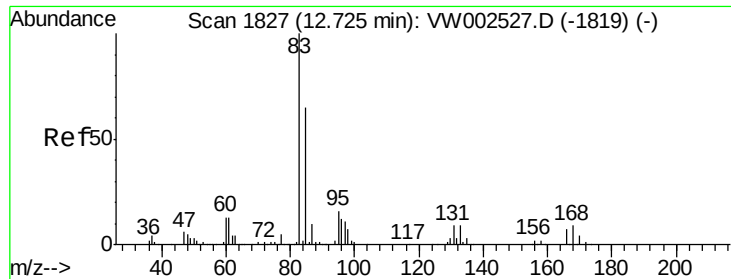
43 100

70 40.4 31.9 47.9

55 25.9 19.4 29.0

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.84 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

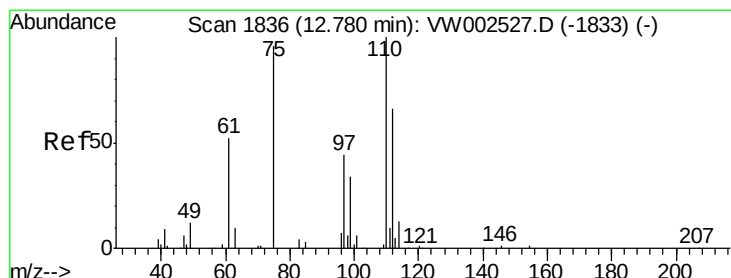
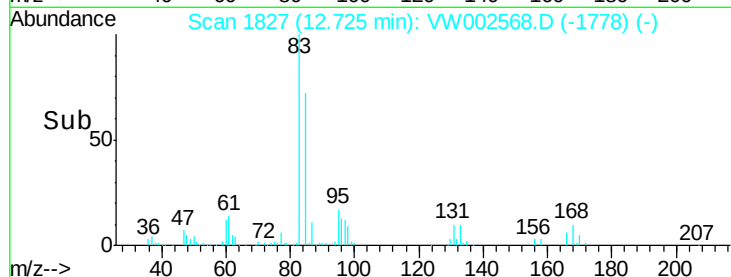
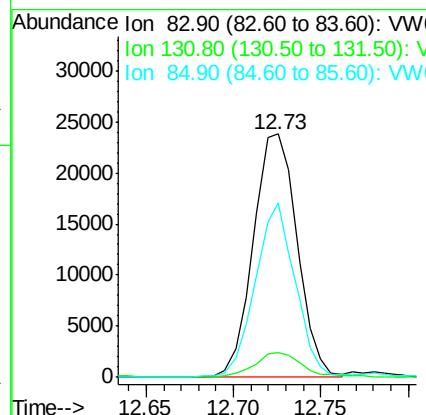
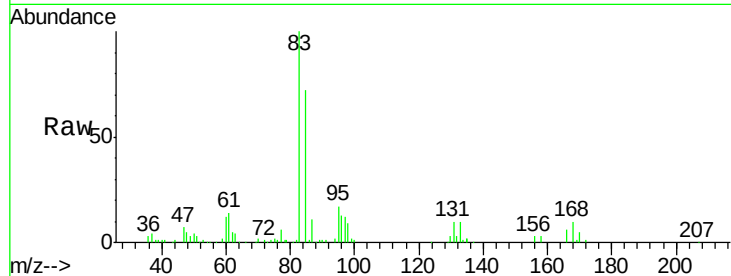
ClientSampleId :

VW0515SBS03

Tot Ion:	83	Resp:	41577
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.4	16.2
85	65.2	31.6	94.8

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



#76

1,2,3-Trichloropropane

Concen: 20.51 ug/l m

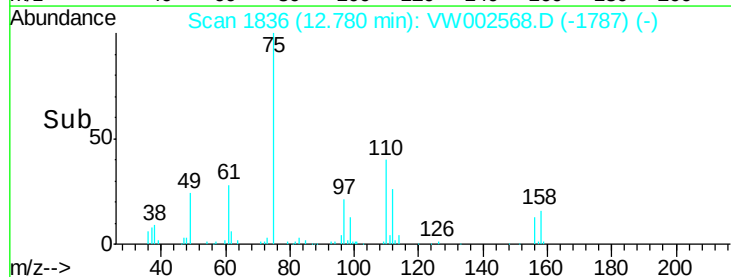
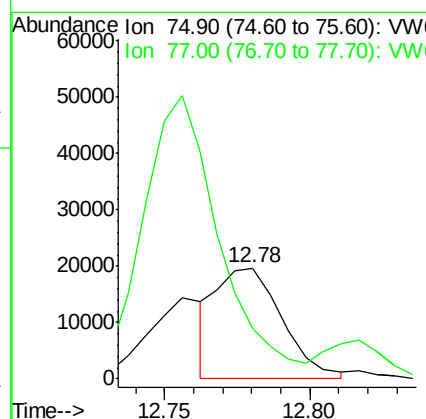
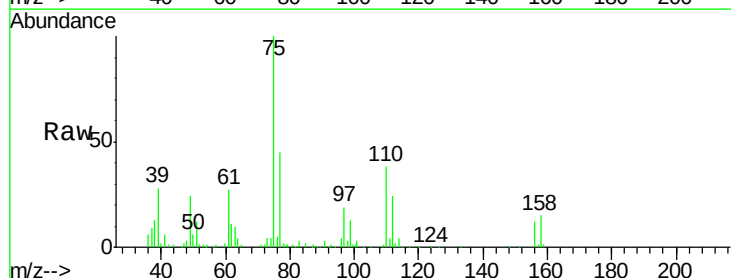
RT: 12.78 min Scan# 1836

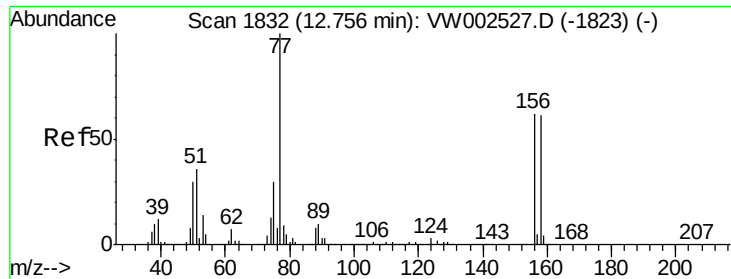
Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion:	75	Resp:	30982
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.96 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

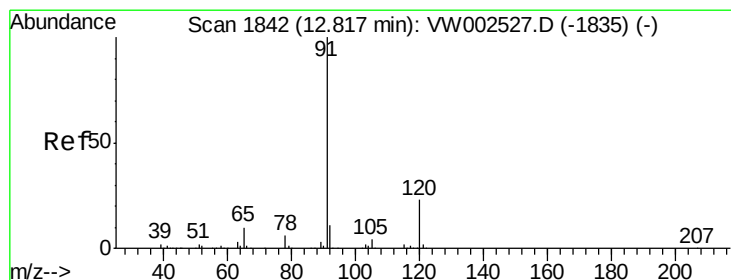
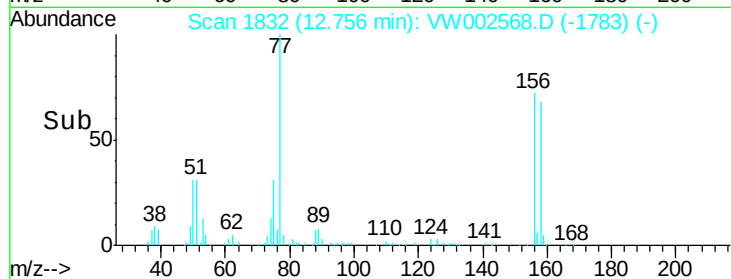
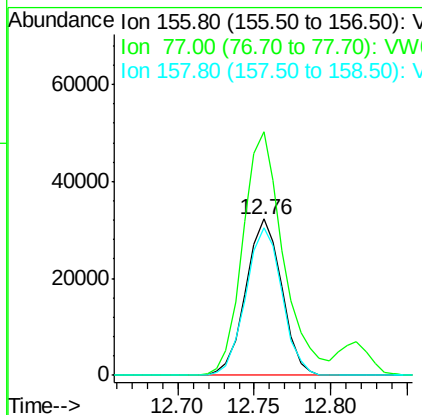
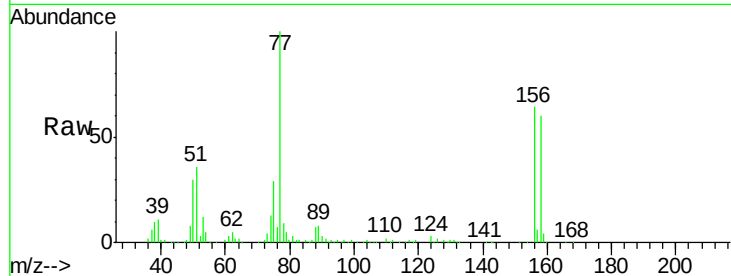
ClientSampleId :

VW0515SBS03

Tot Ion:	156	Resp:	52677
Ion Ratio	Lower	Upper	
156	100		
77	175.4	89.8	269.4
158	95.1	48.8	146.3

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



#78

n-propylbenzene

Concen: 20.31 ug/l

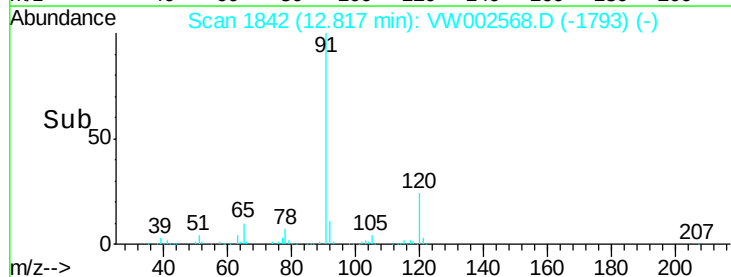
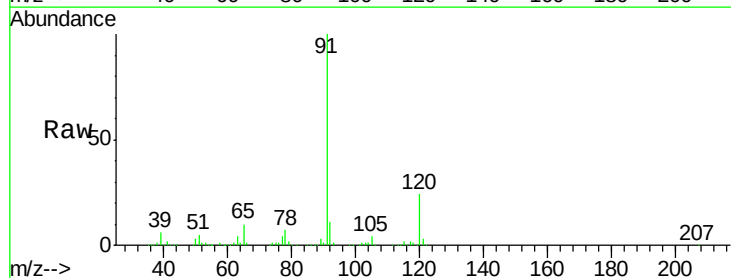
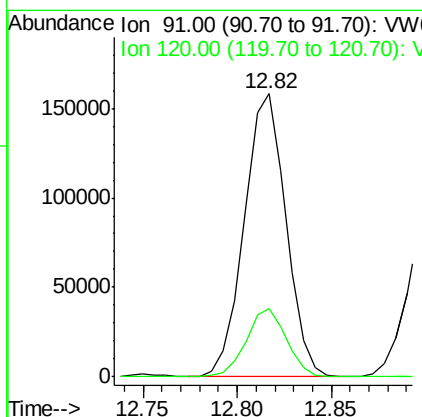
RT: 12.82 min Scan# 1842

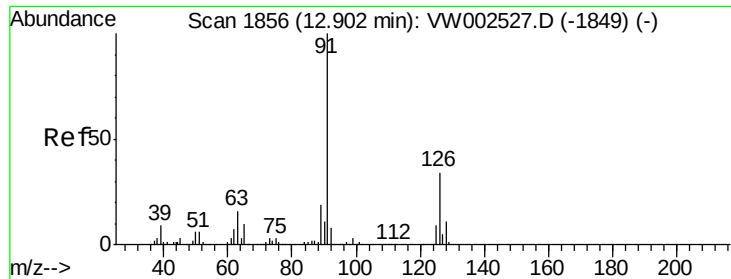
Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Tgt Ion:	91	Resp:	241568
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.69 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampled :

VW0515SBS03

Tot Ion: 91 Resp: 139732

Ion Ratio Lower Upper

91 100

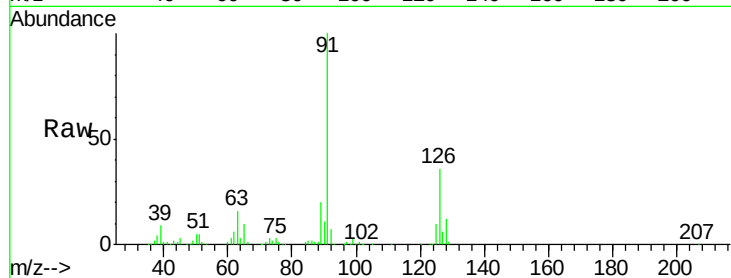
126 34.6 17.6 52.8

Manual Integrations

APPROVED

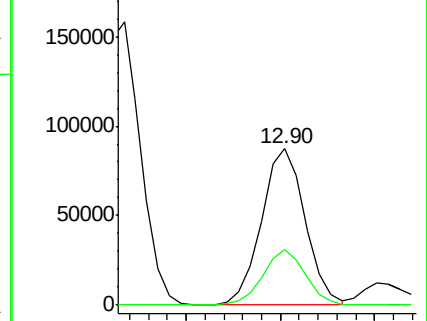
apatel

5/16/2018 12:27:06 PM

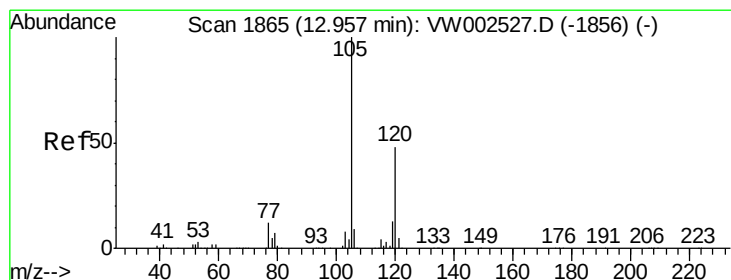
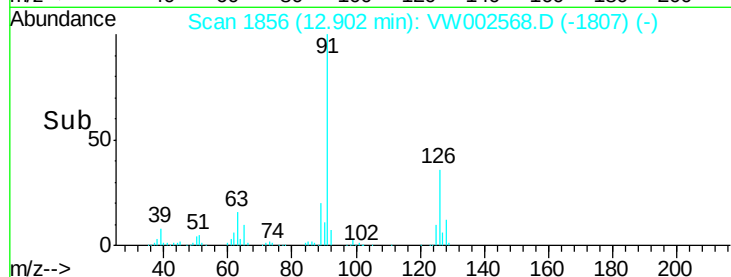


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.60 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002568.D

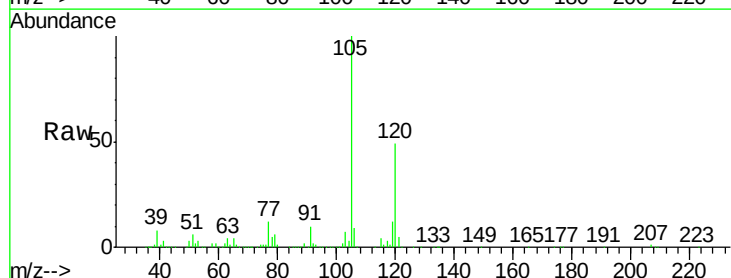
Acq: 16 May 2018 00:32

Tgt Ion:105 Resp: 173169

Ion Ratio Lower Upper

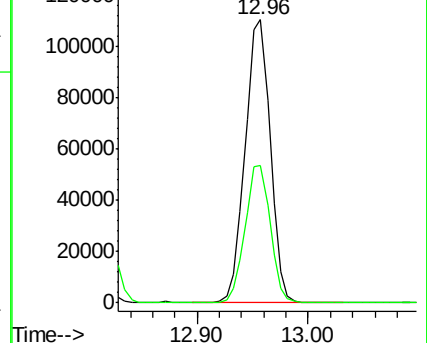
105 100

120 48.8 24.6 73.8

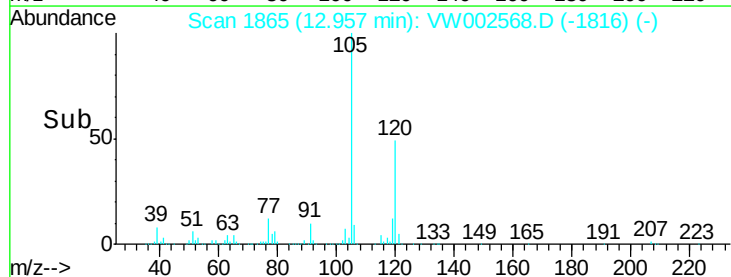


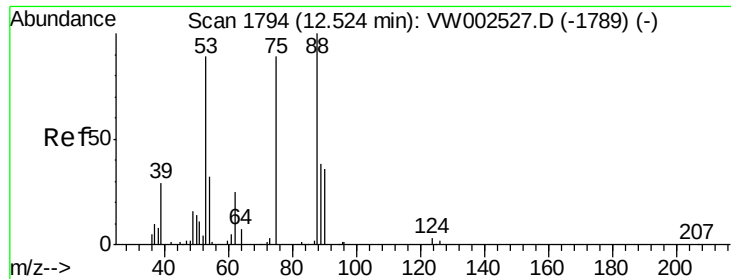
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





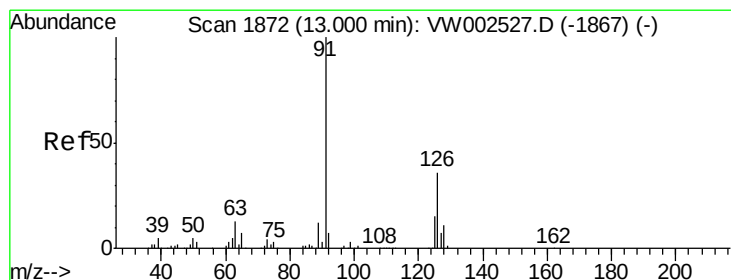
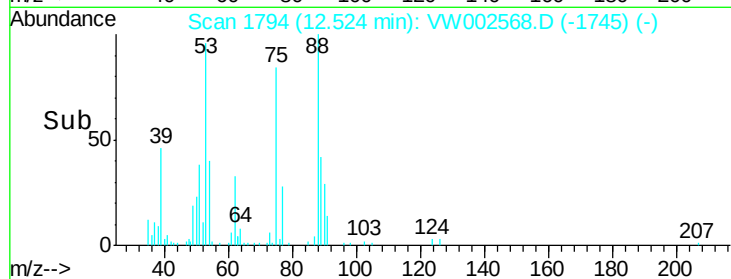
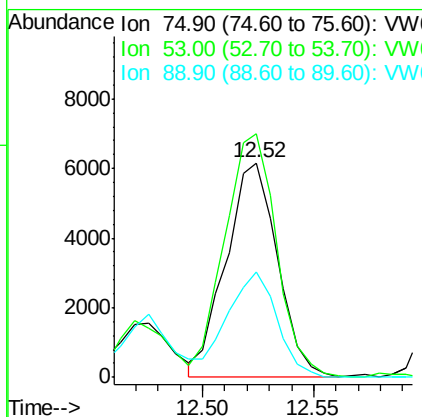
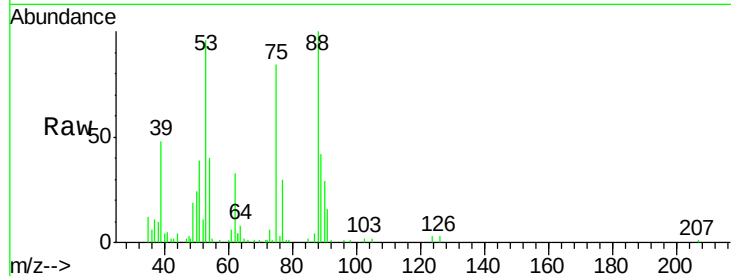
#81
trans-1,4-Dichloro-2-butene
Concen: 17.96 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.4	82.6	124.0
89	48.2	39.2	58.8

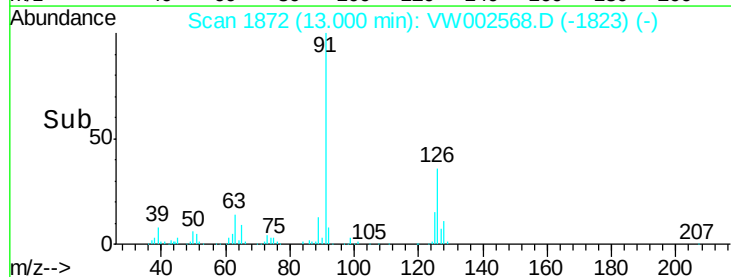
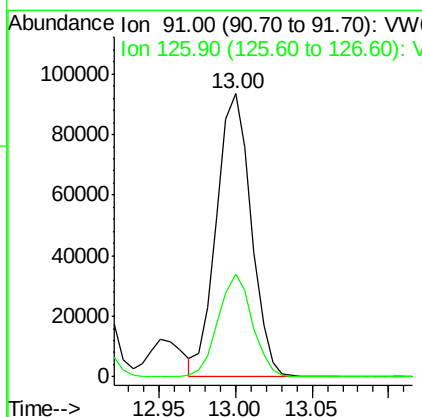
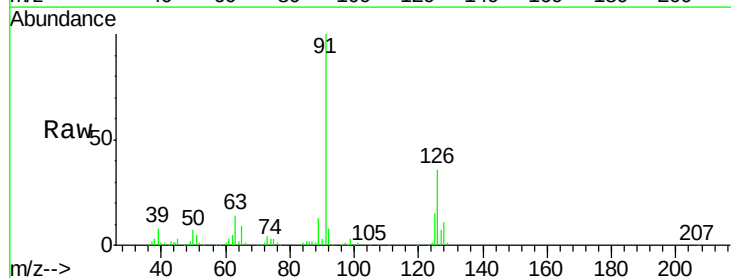
Manual Integrations
APPROVED

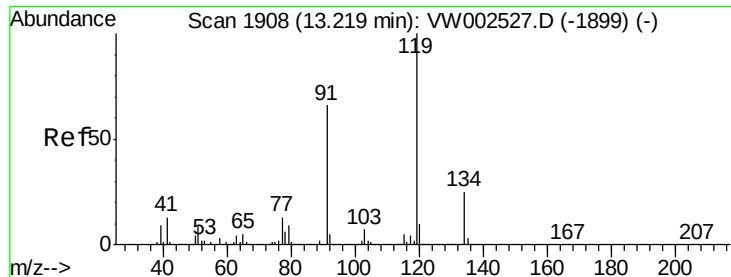
apatel
5/16/2018 12:27:06 PM



#82
4-Chlorotoluene
Concen: 20.09 ug/l
RT: 13.00 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.5





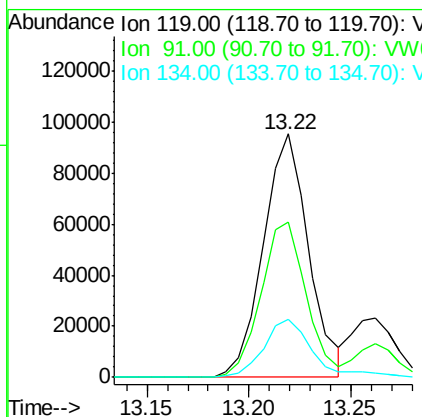
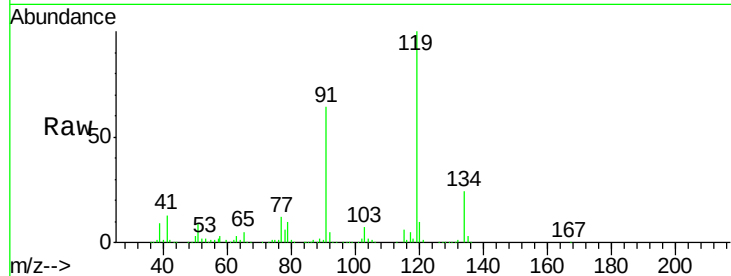
#83
tert-Butylbenzene
Concen: 20.29 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

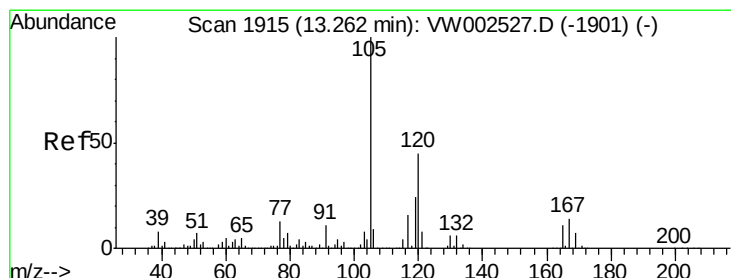
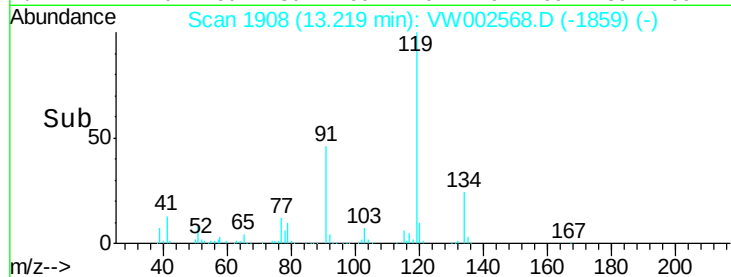
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.5	97.5
134	25.9	13.2	39.6

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM

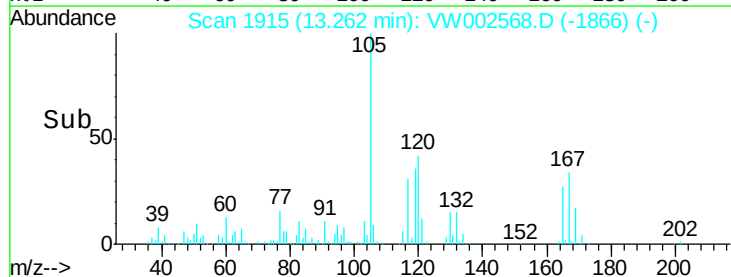
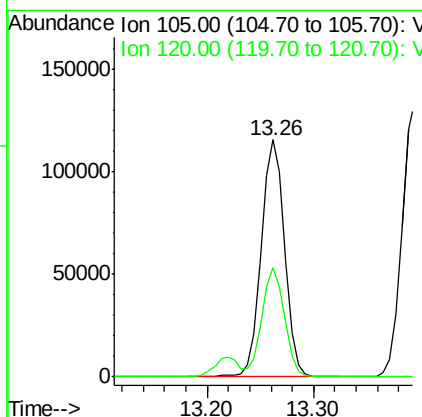
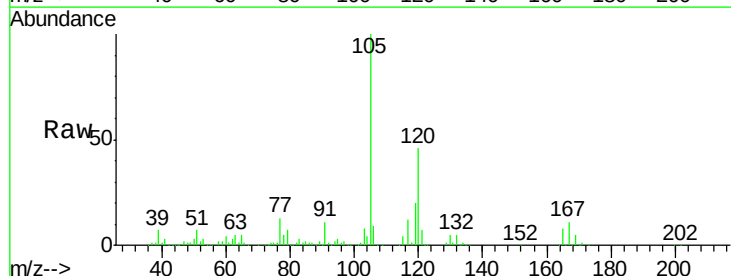


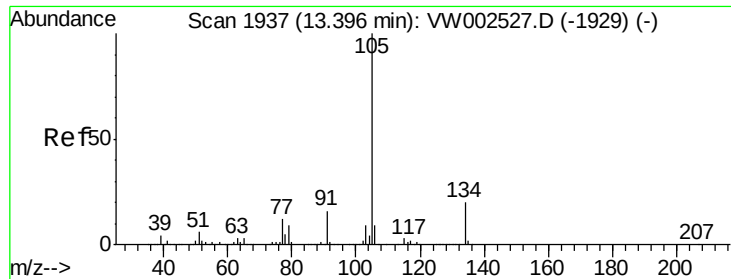
apatel
5/16/2018 12:27:06 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.47 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 20.28 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

Instrument :

MSVOA_W

ClientSampleId :

VW0515SBS03

Tot Ion:105 Resp: 211475

Ion Ratio Lower Upper

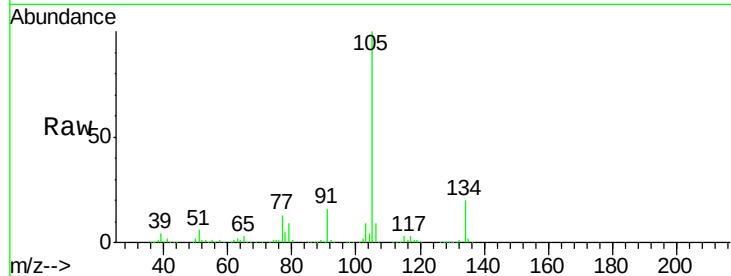
105 100

134 20.0 10.1 30.3

Manual Integrations
APPROVED

apatel

5/16/2018 12:27:06 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

150000

100000

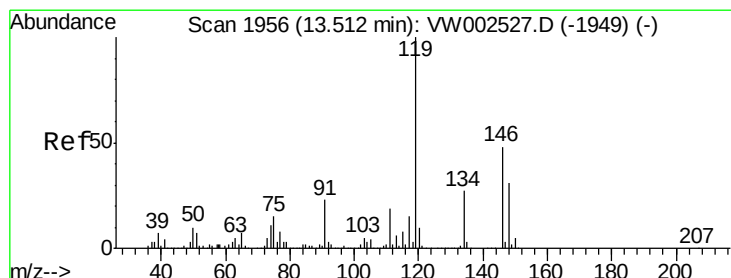
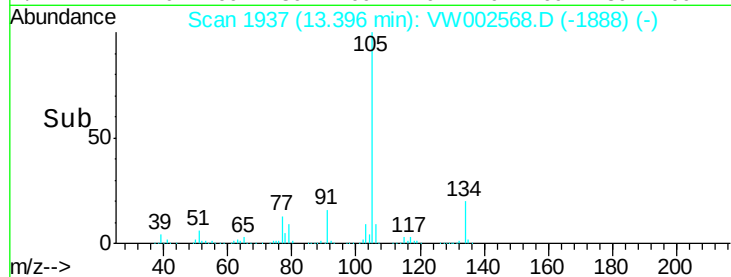
50000

0

Time--> 13.30 13.40

apatel

5/16/2018 12:27:06 PM



#86

p-Isopropyltoluene

Concen: 20.10 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002568.D

Acq: 16 May 2018 00:32

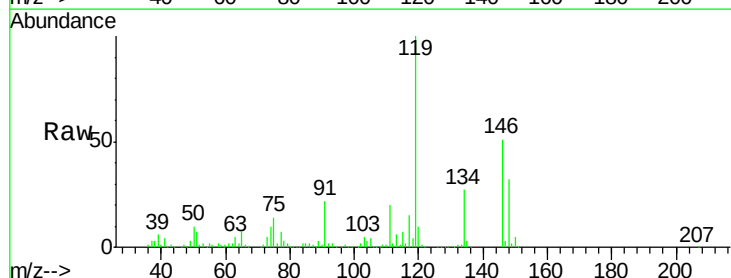
Tgt Ion:119 Resp: 188592

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 23.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

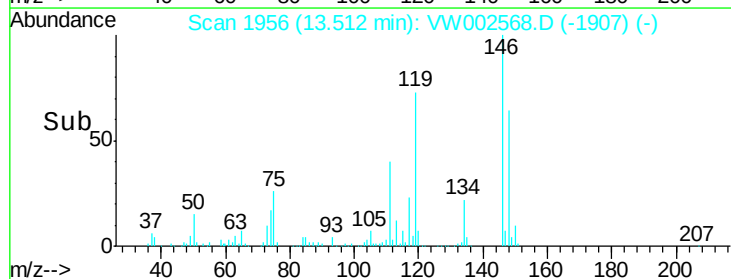
150000

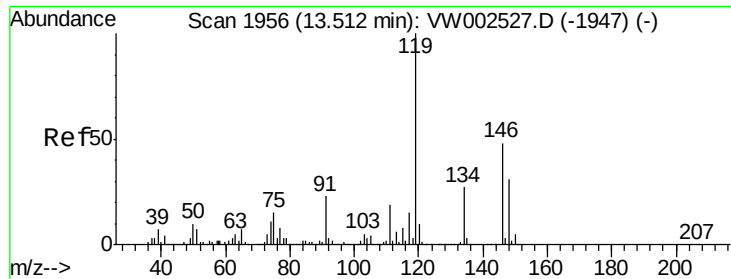
100000

50000

0

Time--> 13.50 13.60





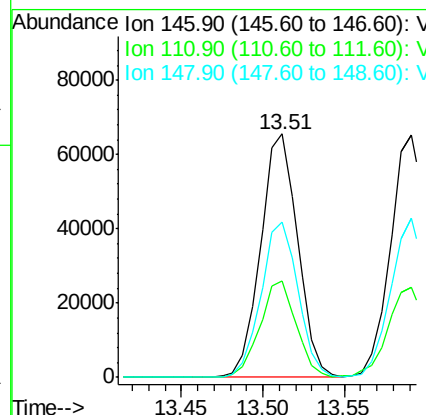
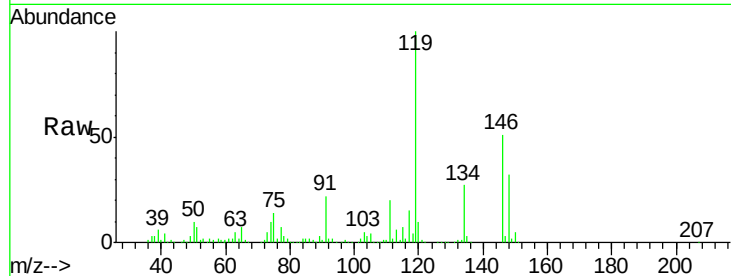
#87
 1,3-Dichlorobenzene
 Concen: 20.42 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

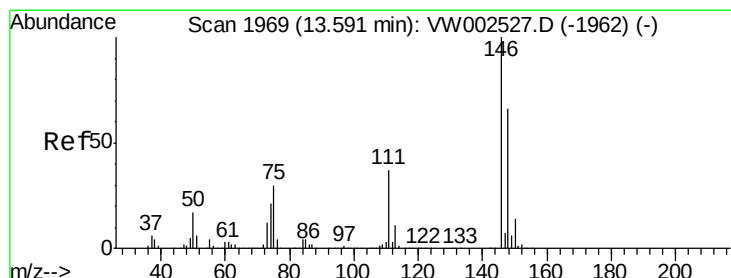
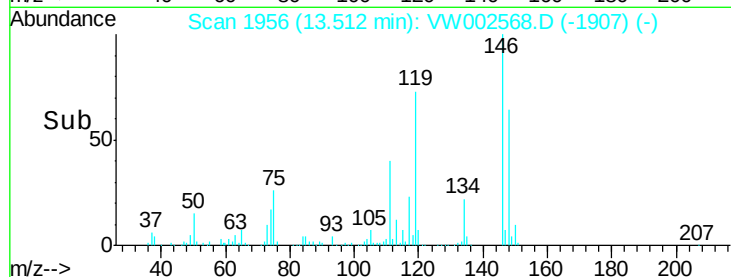
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	63.6	32.3	96.8

Manual Integrations
 APPROVED

apatel
 5/16/2018 12:27:06 PM

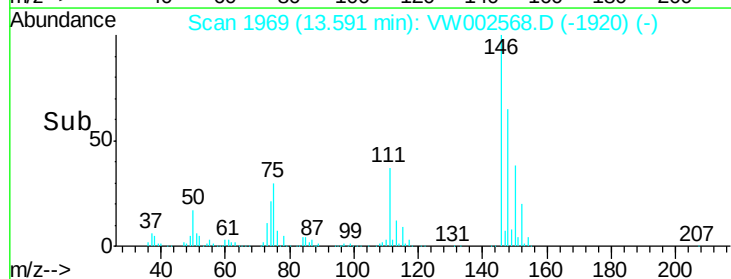
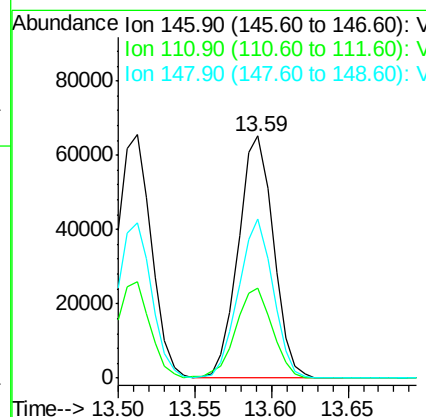
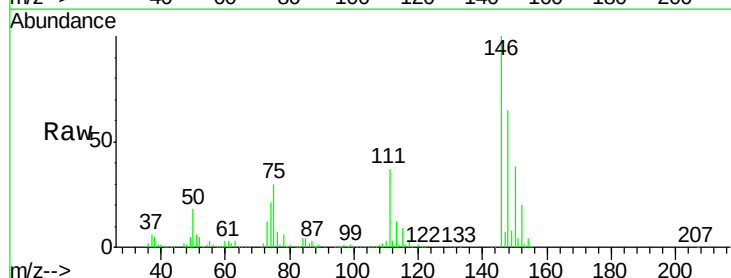


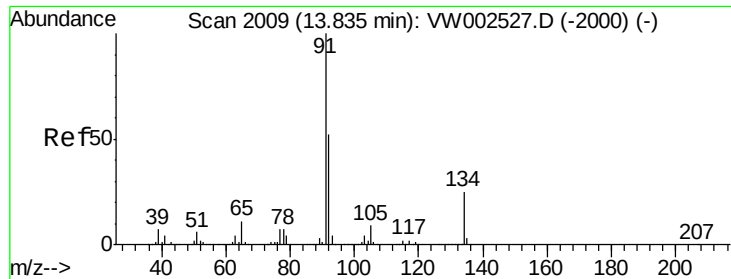
apatel
 5/16/2018 12:27:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.58 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.5
148	64.6	32.4	97.0





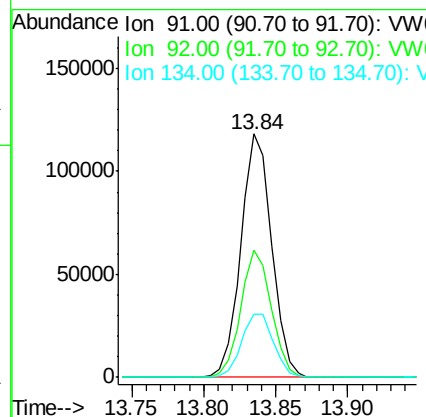
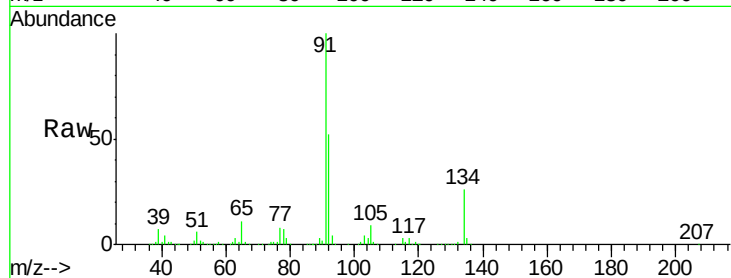
#89
n-Butylbenzene
Concen: 19.81 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

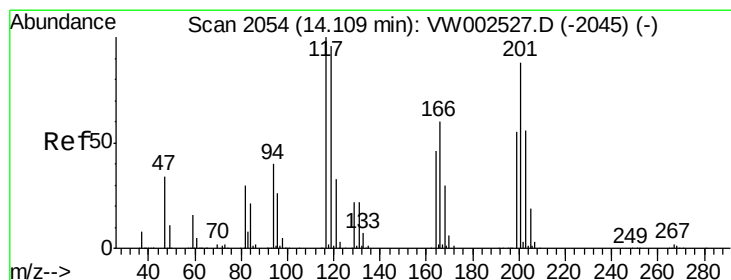
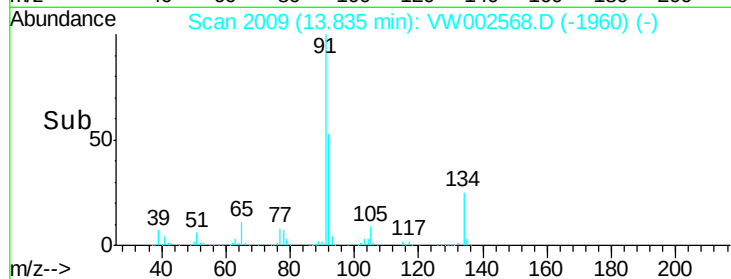
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	26.9	13.1	39.1

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM

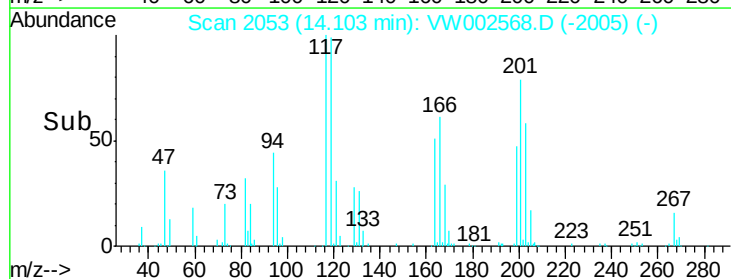
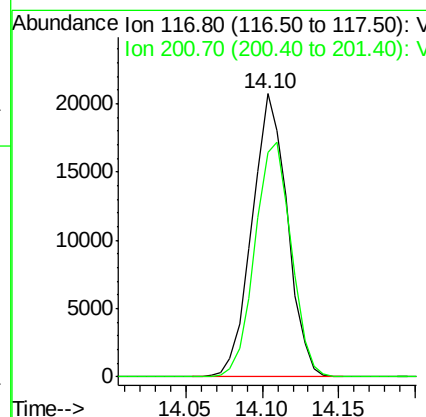
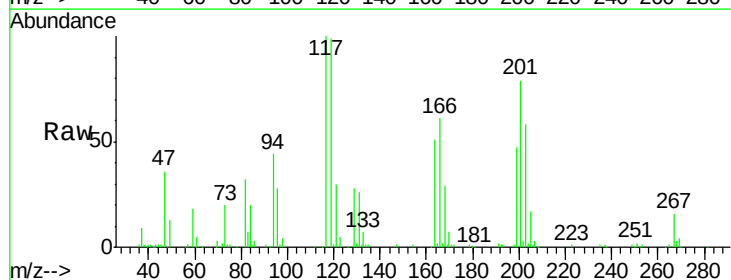


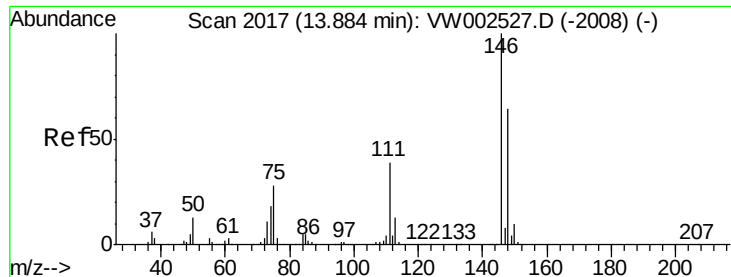
apatel
5/16/2018 12:27:06 PM



#90
Hexachloroethane
Concen: 19.89 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.01 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.0	126.0





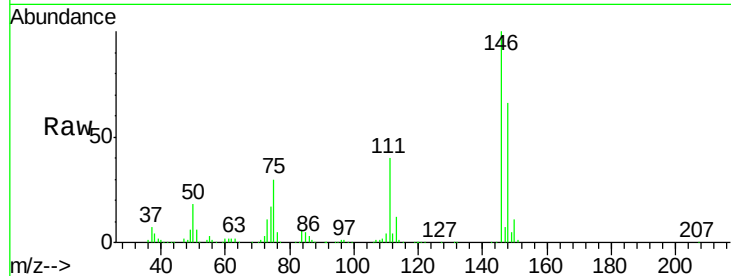
#91
 1,2-Dichlorobenzene
 Concen: 20.70 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

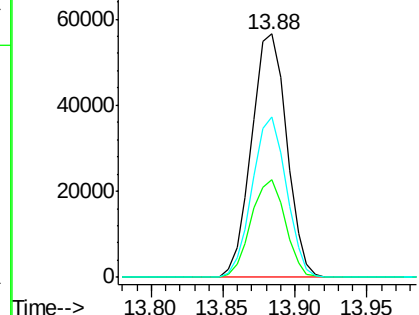
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.9	32.1	96.3

Manual Integrations
 APPROVED

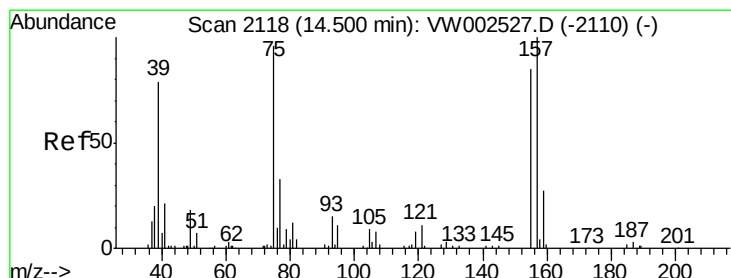
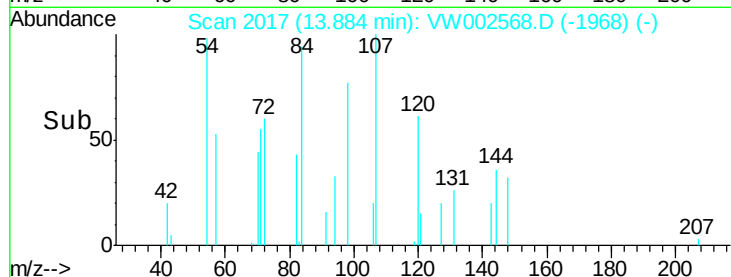
apatel
 5/16/2018 12:27:06 PM



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

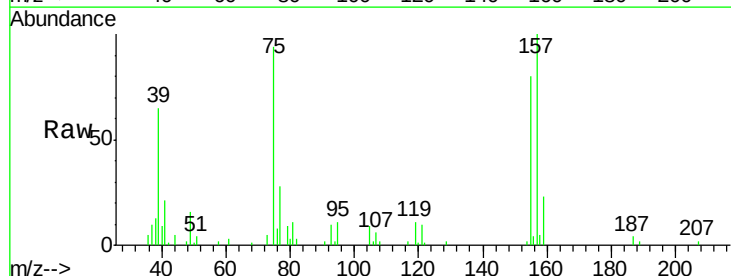


apatel
 5/16/2018 12:27:06 PM

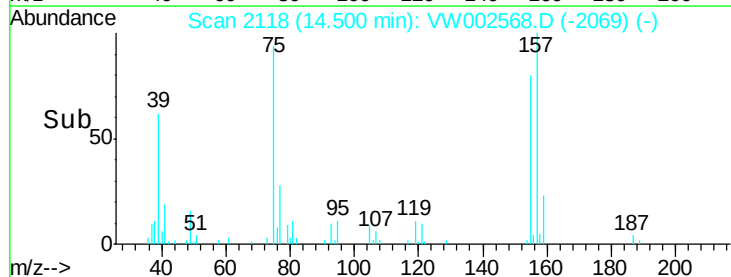
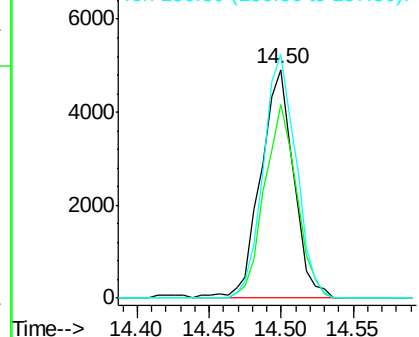


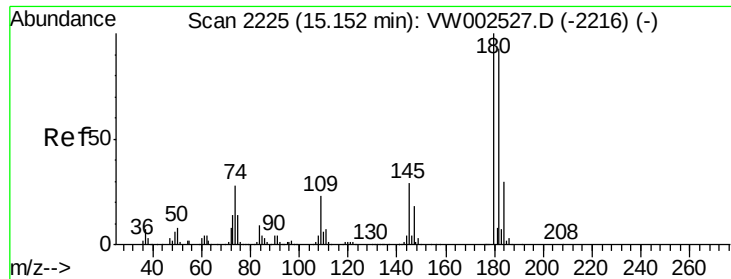
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.02 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	42.8	128.4
157	105.8	57.4	172.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





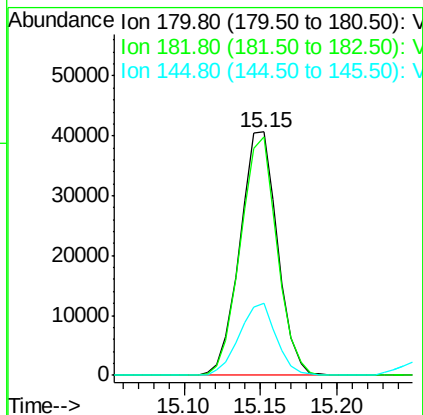
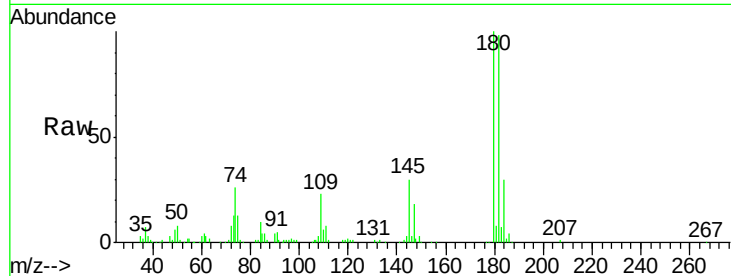
#93
 1,2,4-Trichlorobenzene
 Concen: 20.56 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0515SBS03

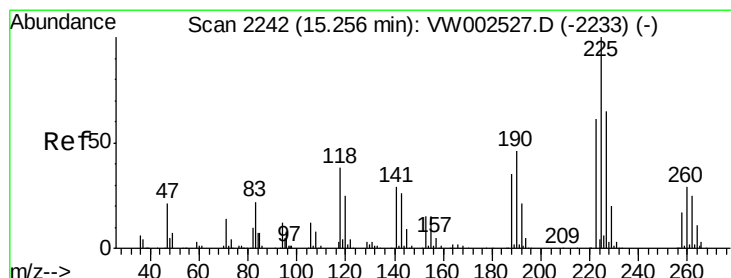
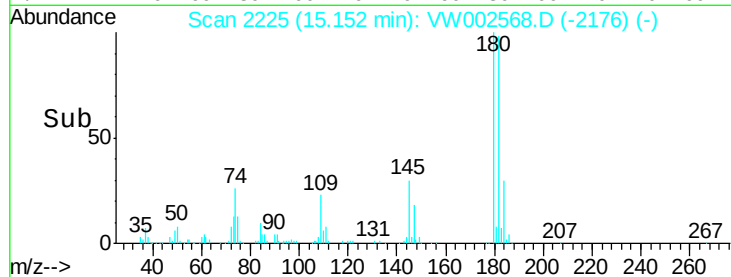
Tot Ion	Ratio	Resp	Lower	Upper
180	100	69016		
182	95.9	47.2	141.6	
145	29.0	14.9	44.9	

Manual Integrations
 APPROVED

apatel
 5/16/2018 12:27:06 PM

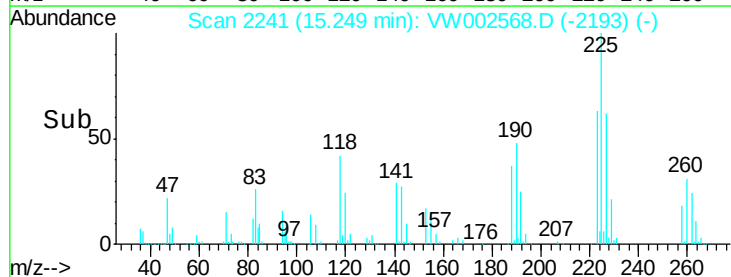
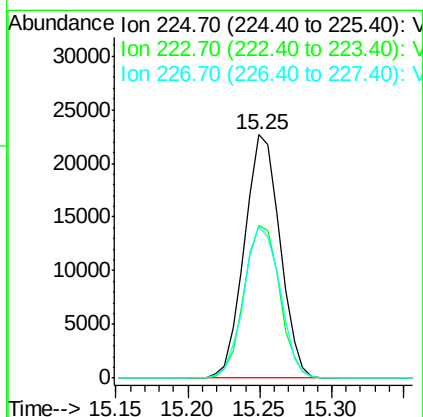
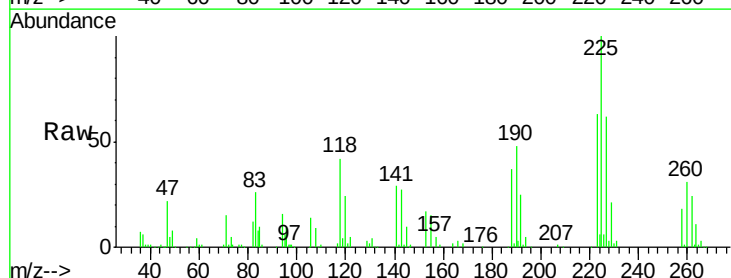


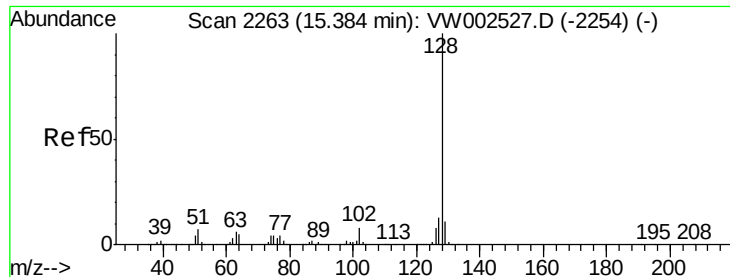
apatel
 5/16/2018 12:27:06 PM



#94
 Hexachlorobutadiene
 Concen: 20.71 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: VW002568.D
 Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38687		
223	62.8	31.3	93.9	
227	63.5	31.9	95.5	





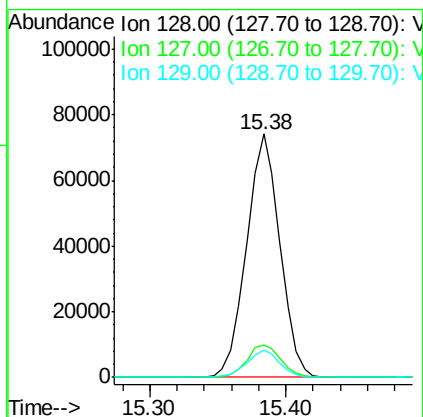
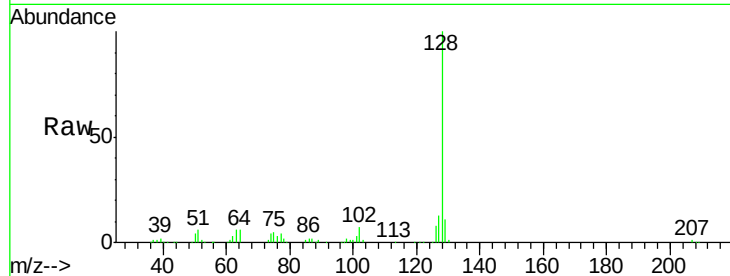
#95
Naphthalene
Concen: 20.85 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Instrument :
MSVOA_W
ClientSampleId :
VW0515SBS03

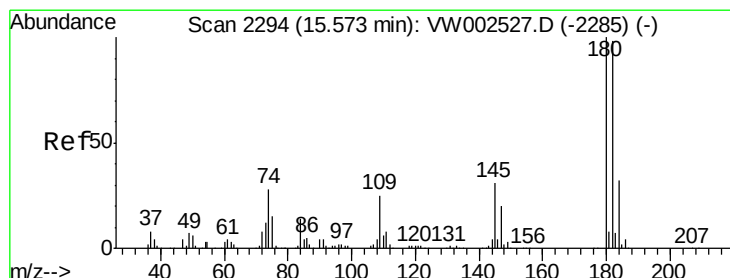
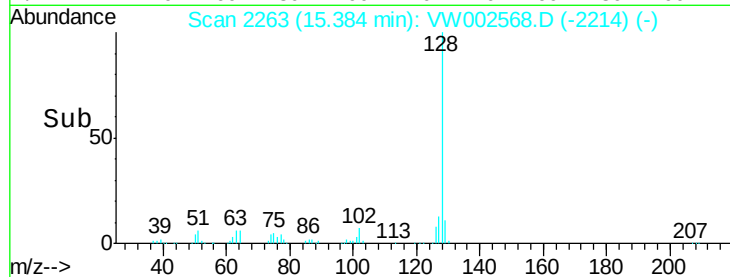
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.0	8.9	13.3

Manual Integrations
APPROVED

apatel
5/16/2018 12:27:06 PM



apatel
5/16/2018 12:27:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.39 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002568.D
Acq: 16 May 2018 00:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.8
145	30.5	15.5	46.5

