

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
 Data File : VW007084.D
 Acq On : 27 Nov 2018 13:48
 Operator : VAY/AP
 Sample : VW1127SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Manual Integrations
 APPROVED

apatel
 11/28/2018 11:47:20 AM

Quant Time: Nov 28 00:50:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	156204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	76773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	57027	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.88	113	51190	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.32	98	219414	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.62	95	83990	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	26199	23.98	ug/l	98
3) Chloromethane	2.21	50	20273	22.27	ug/l	95
4) Vinyl Chloride	2.36	62	19917	22.23	ug/l	96
5) Bromomethane	2.78	94	11394	23.83	ug/l	87
6) Chloroethane	2.92	64	10347	20.95	ug/l	98
7) Trichlorofluoromethane	3.26	101	40353	22.91	ug/l	98
8) Diethyl Ether	3.69	74	11959	21.07	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	26480	23.19	ug/l	99
10) Methyl Iodide	4.28	142	22795	17.44	ug/l	99
11) Tert butyl alcohol	5.20	59	8021m	113.74	ug/l	
12) 1,1-Dichloroethene	4.04	96	22663	22.63	ug/l	97
13) Acrolein	3.90	56	6845	94.52	ug/l	98
14) Allyl chloride	4.67	41	35610	21.44	ug/l	98
15) Acrylonitrile	5.38	53	21205	99.41	ug/l	97
16) Acetone	4.15	43	16030	101.92	ug/l	92
17) Carbon Disulfide	4.38	76	69015	21.31	ug/l	96
18) Methyl Acetate	4.68	43	10660	19.03	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	57296	21.91	ug/l	97
20) Methylene Chloride	4.92	84	26678	17.81	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	25894	22.20	ug/l	96
22) Diisopropyl ether	6.31	45	70853	21.91	ug/l	97
23) Vinyl Acetate	6.26	43	193158	112.50	ug/l	99
24) 1,1-Dichloroethane	6.22	63	42038	21.37	ug/l	98
25) 2-Butanone	7.18	43	27093	100.58	ug/l	99
26) 2,2-Dichloropropane	7.17	77	42714	24.15	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	26840	21.60	ug/l	98
28) Bromochloromethane	7.51	49	14092	19.17	ug/l	99
29) Tetrahydrofuran	7.54	42	17692	101.41	ug/l	98
30) Chloroform	7.68	83	44683	21.38	ug/l	99
31) Cyclohexane	7.96	56	48322	23.16	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	44246	23.51	ug/l	99
36) 1,1-Dichloropropene	8.09	75	39266	23.50	ug/l	99
37) Ethyl Acetate	7.25	43	13448	22.21	ug/l	99
38) Carbon Tetrachloride	8.07	117	39094	24.43	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
 Data File : VW007084.D
 Acq On : 27 Nov 2018 13:48
 Operator : VAY/AP
 Sample : VW1127SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 VW1127SBS01

Manual Integrations
 APPROVED

apatel
 11/28/2018 11:47:20 AM

Quant Time: Nov 28 00:50:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46409	22.19	ug/l	95
40) Benzene	8.32	78	101110	22.41	ug/l	97
41) Methacrylonitrile	7.49	41	8927	23.74	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	28694	21.91	ug/l	99
43) Isopropyl Acetate	8.43	43	24832	21.52	ug/l	98
44) Trichloroethene	9.09	130	29873	23.62	ug/l	91
45) 1,2-Dichloropropane	9.37	63	24188	21.75	ug/l	100
46) Dibromomethane	9.46	93	11811	21.21	ug/l	98
47) Bromodichloromethane	9.65	83	32865	22.40	ug/l	98
48) Methyl methacrylate	9.44	41	12358	22.21	ug/l	93
49) 1,4-Dioxane	9.48	88	3409	411.85	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	55591	95.32	ug/l	97
52) Toluene	10.39	92	65649	21.38	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	32125	22.60	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	37775	22.00	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	18466	22.54	ug/l	97
56) Ethyl methacrylate	10.65	69	19894	20.92	ug/l	100
57) 1,3-Dichloropropane	10.93	76	29669	21.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	49813	100.23	ug/l	97
59) 2-Hexanone	10.97	43	38849	97.27	ug/l	96
60) Dibromochloromethane	11.13	129	21523	23.05	ug/l	97
61) 1,2-Dibromoethane	11.24	107	16303	21.75	ug/l	96
64) Tetrachloroethene	10.86	164	22248	22.14	ug/l	95
65) Chlorobenzene	11.66	112	71236	21.85	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	22236	22.55	ug/l	97
67) Ethyl Benzene	11.73	91	130503	21.79	ug/l	99
68) m/p-Xylenes	11.84	106	103183	43.91	ug/l	95
69) o-Xylene	12.17	106	49882	22.51	ug/l	95
70) Styrene	12.18	104	78736	22.33	ug/l	99
71) Bromoform	12.35	173	10674	22.97	ug/l #	100
73) Isopropylbenzene	12.47	105	132335	22.18	ug/l	99
74) N-amyl acetate	12.27	43	21938	21.94	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	17420	21.94	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	10589m	17.55	ug/l	
77) Bromobenzene	12.75	156	29195	22.78	ug/l	93
78) n-propylbenzene	12.81	91	161004	22.28	ug/l	99
79) 2-Chlorotoluene	12.90	91	95222	22.85	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	117054	22.69	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5027	20.92	ug/l	96
82) 4-Chlorotoluene	12.99	91	96439	22.05	ug/l	99
83) tert-Butylbenzene	13.21	119	102271	22.89	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	113672	22.11	ug/l	95
85) sec-Butylbenzene	13.39	105	140768	22.31	ug/l	98
86) p-Isopropyltoluene	13.51	119	123669	22.21	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	59264	22.65	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	60364	23.14	ug/l	97
89) n-Butylbenzene	13.83	91	115550	22.05	ug/l	98
90) Hexachloroethane	14.10	117	18487	22.74	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	51901	22.64	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2842	21.19	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007084.D
Acq On : 27 Nov 2018 13:48
Operator : VAY/AP
Sample : VW1127SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

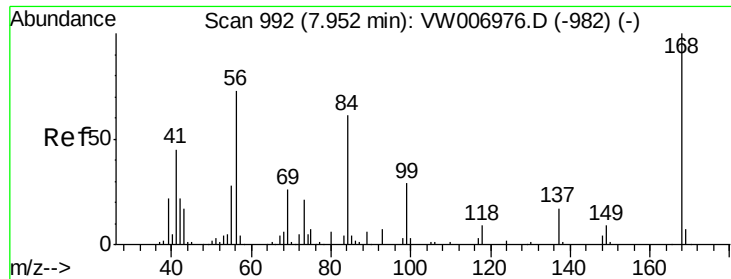
Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM

Quant Time: Nov 28 00:50:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33264	22.00	ug/l	97
94) Hexachlorobutadiene	15.24	225	18482	22.49	ug/l	98
95) Naphthalene	15.37	128	54782	19.96	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	26861	21.42	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

Tgt Ion: 168 Resp: 110646

Ion Ratio Lower Upper

168 100

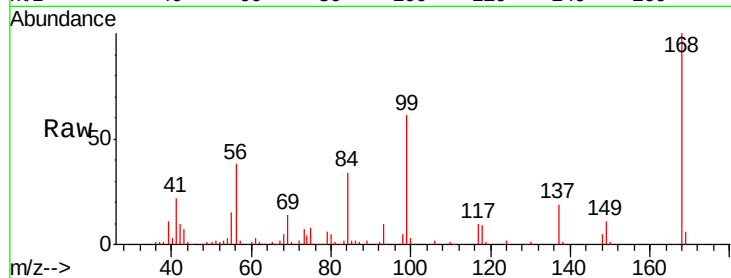
99 61.0 48.2 72.4

Manual Integrations

APPROVED

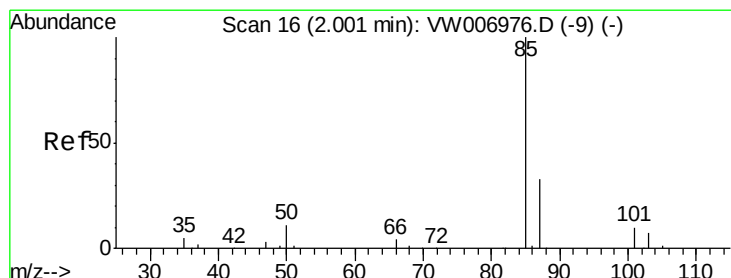
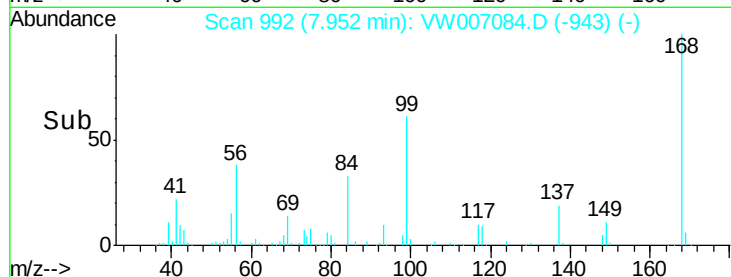
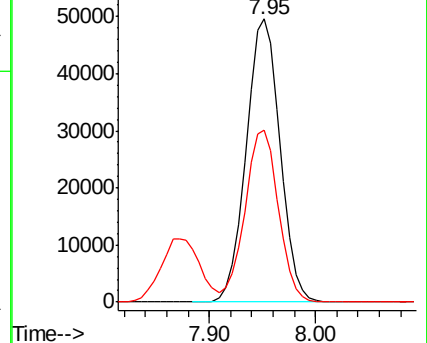
apatel

11/28/2018 11:47:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.98 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007084.D

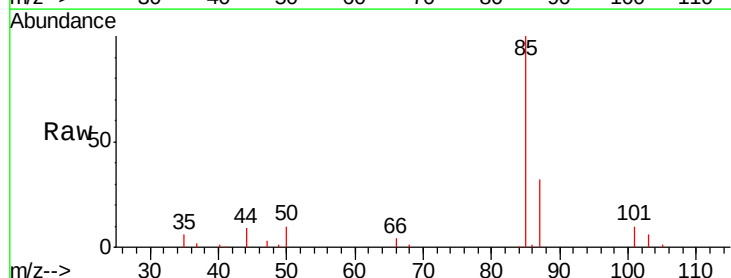
Acq: 27 Nov 2018 13:48

Tgt Ion: 85 Resp: 26199

Ion Ratio Lower Upper

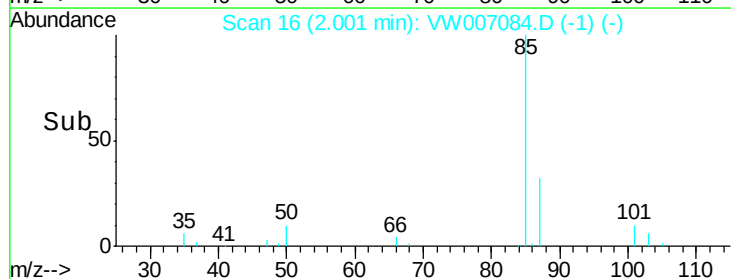
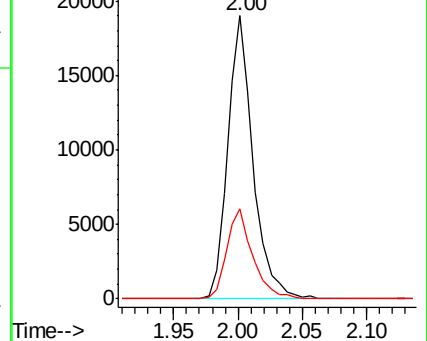
85 100

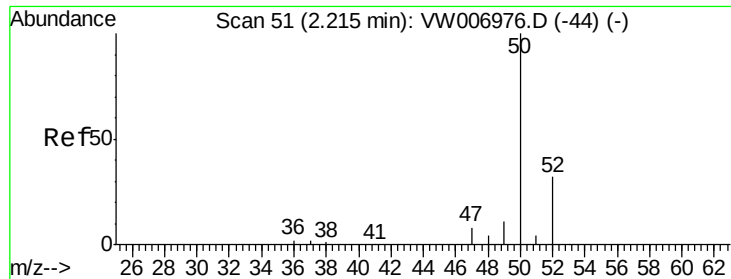
87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.27 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

Tgt Ion: 50 Resp: 20273

Ion Ratio Lower Upper

50 100

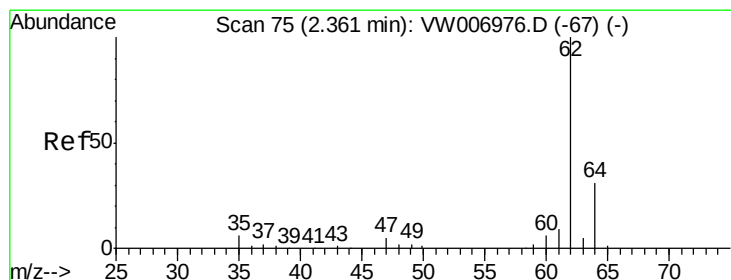
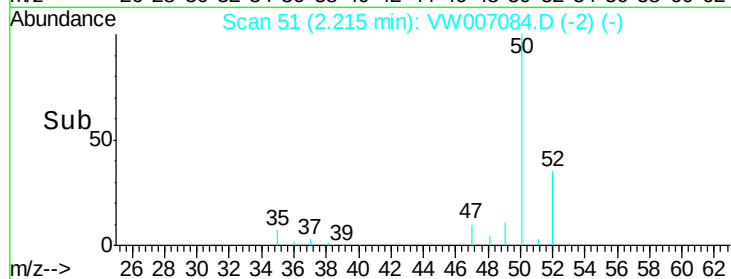
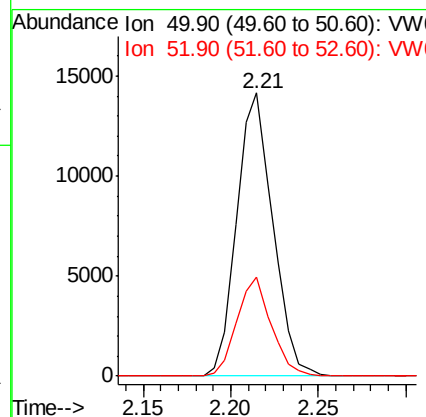
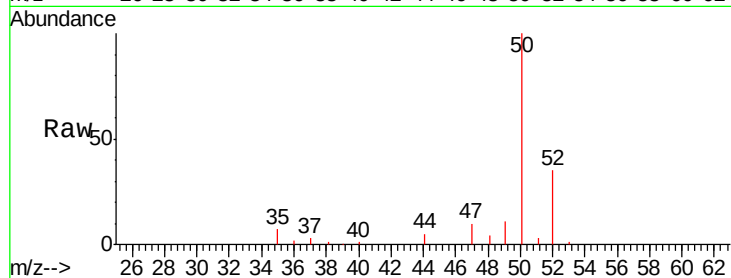
52 34.8 25.7 38.5

Manual Integrations

APPROVED

apatel

11/28/2018 11:47:20 AM



#4

Vinyl Chloride

Concen: 22.23 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW007084.D

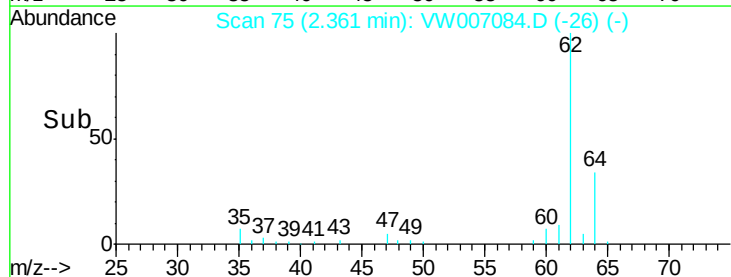
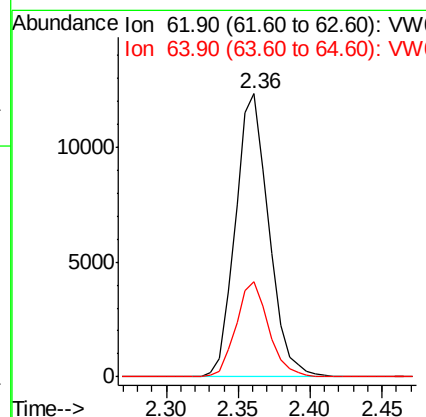
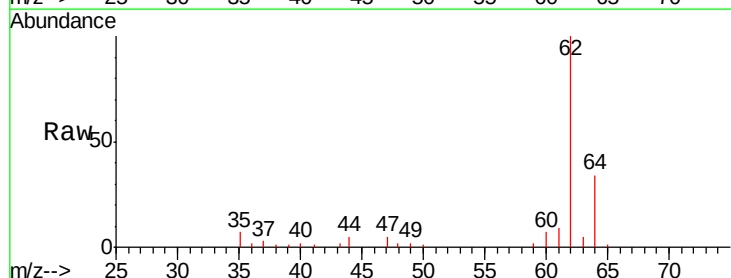
Acq: 27 Nov 2018 13:48

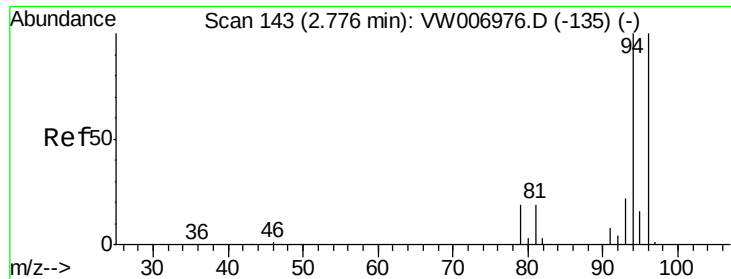
Tgt Ion: 62 Resp: 19917

Ion Ratio Lower Upper

62 100

64 33.7 25.2 37.8





#5

Bromomethane

Concen: 23.83 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

Tgt Ion: 94 Resp: 11394

Ion Ratio Lower Upper

94 100

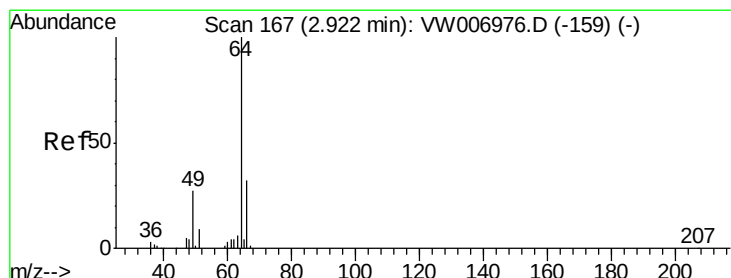
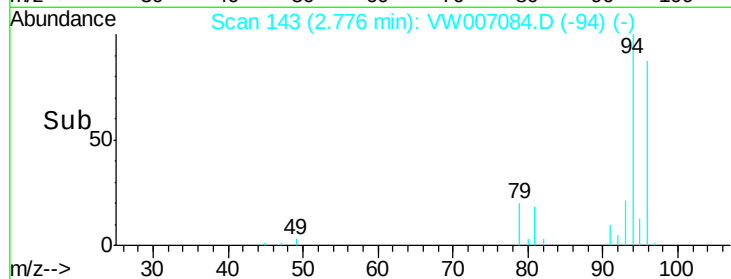
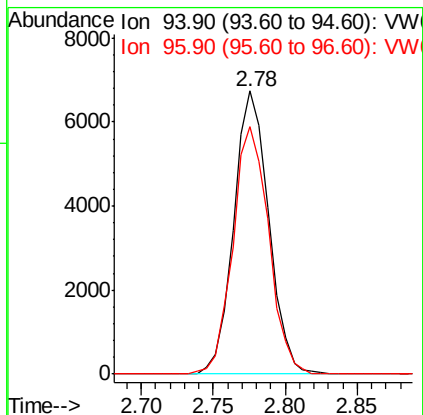
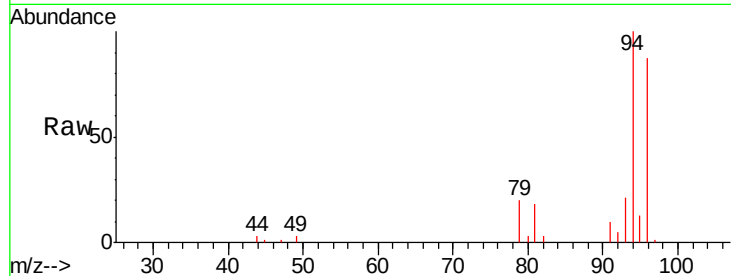
96 87.4 80.2 120.2

Manual Integrations

APPROVED

apatel

11/28/2018 11:47:20 AM



#6

Chloroethane

Concen: 20.95 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007084.D

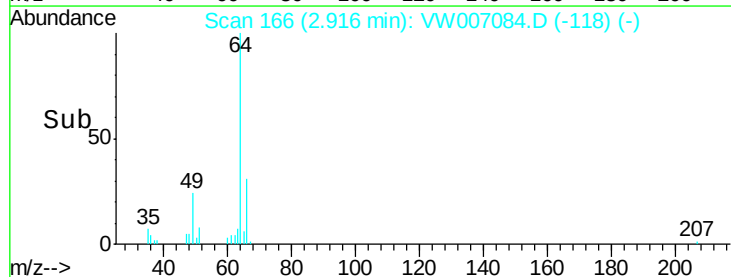
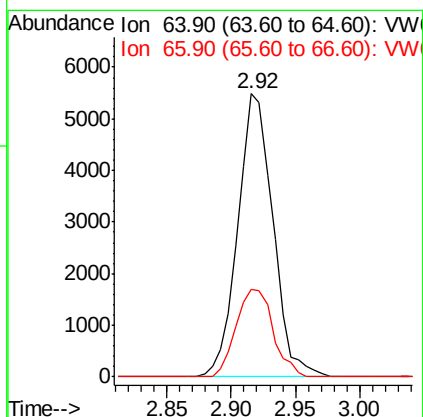
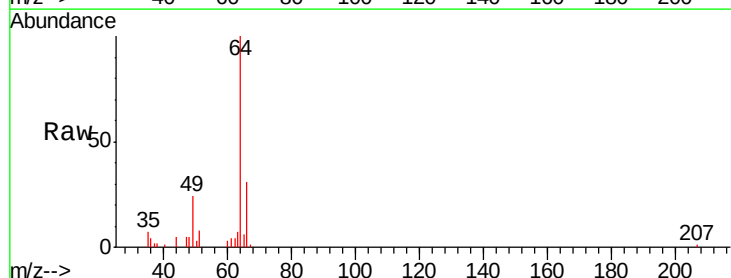
Acq: 27 Nov 2018 13:48

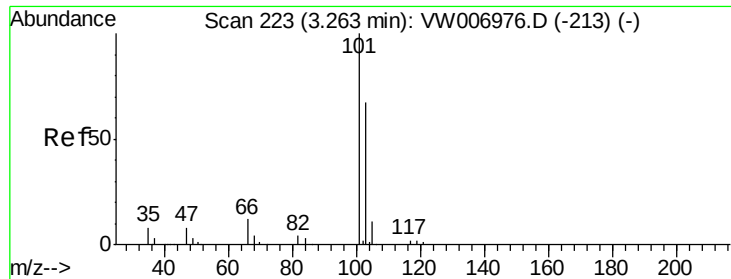
Tgt Ion: 64 Resp: 10347

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9





#7

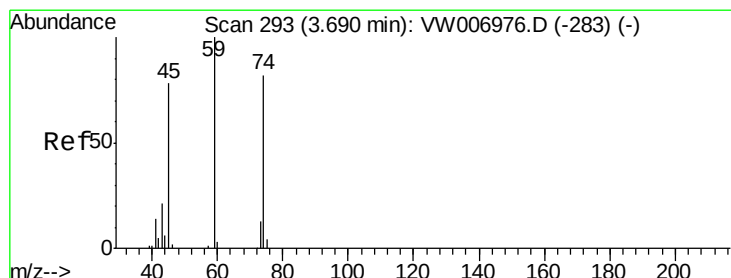
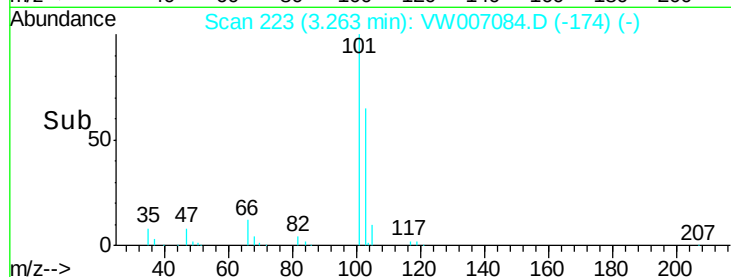
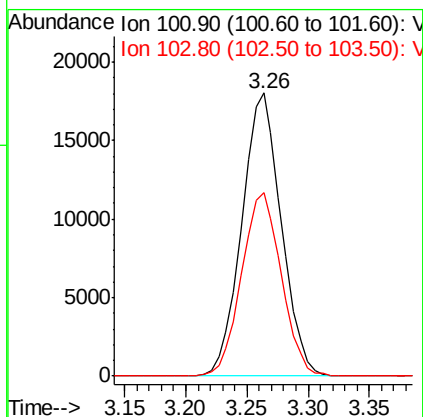
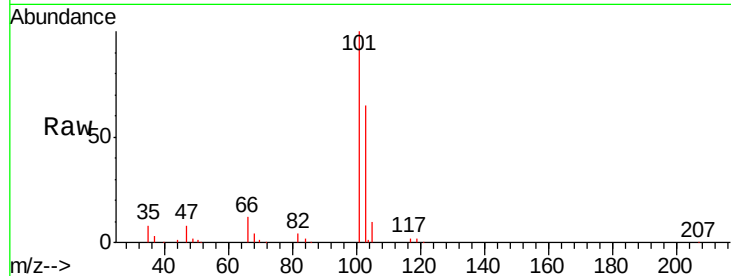
Trichlorofluoromethane
 Concen: 22.91 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.4	80.2

Manual Integrations
 APPROVED

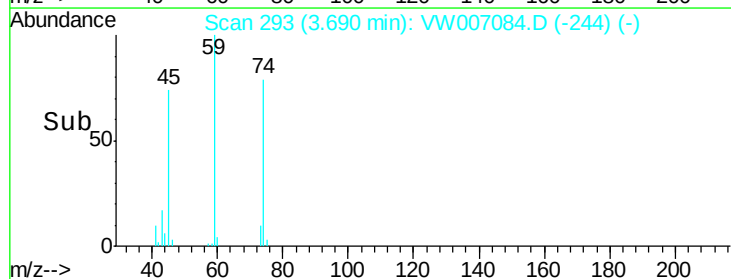
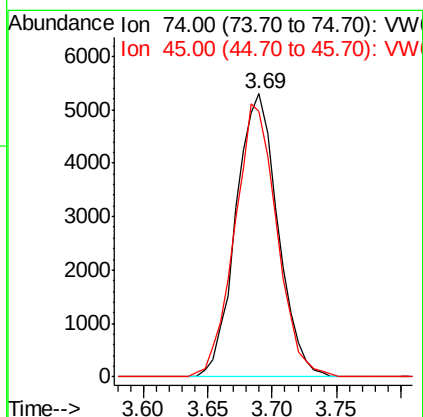
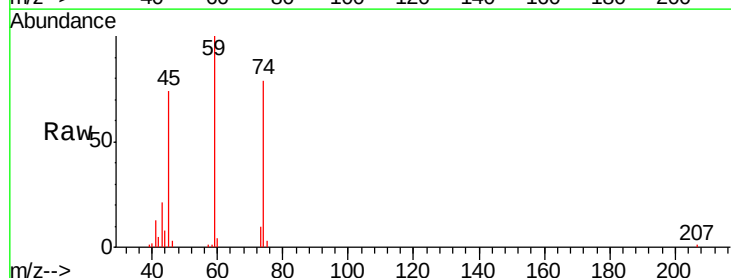
apatel
 11/28/2018 11:47:20 AM

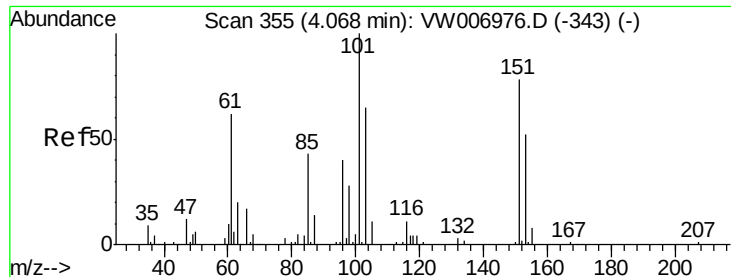


#8

Diethyl Ether
 Concen: 21.07 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.19 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

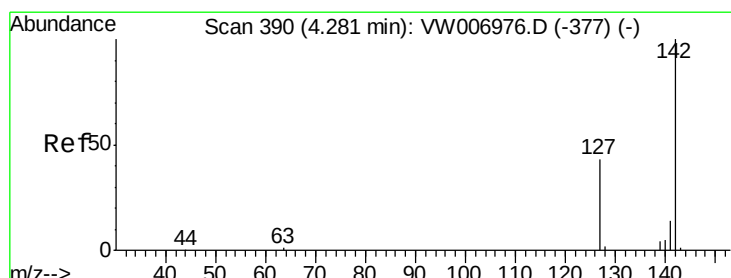
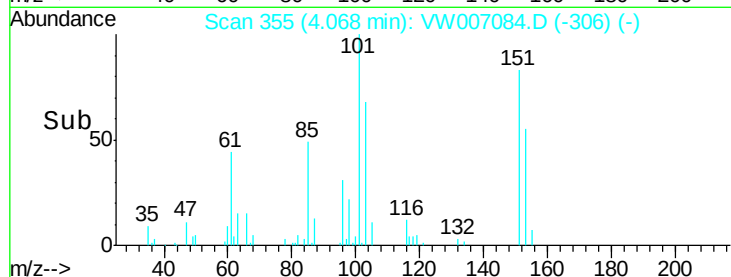
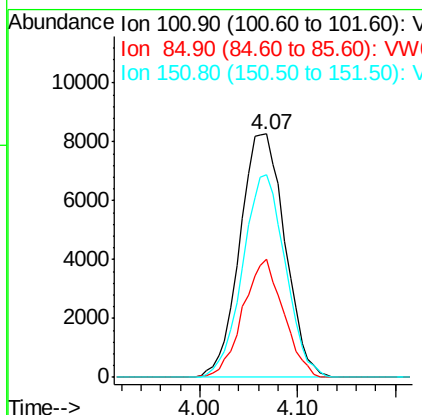
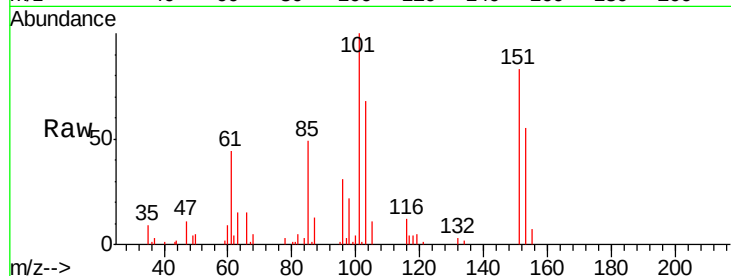
ClientSampleId :

VW1127SBS01

Tgt Ion:	101	Resp:	26480
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.3	51.5
151	78.9	63.4	95.2

Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM



#10

Methyl Iodide

Concen: 17.44 ug/l

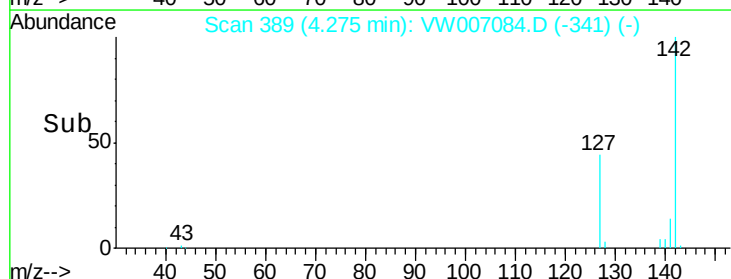
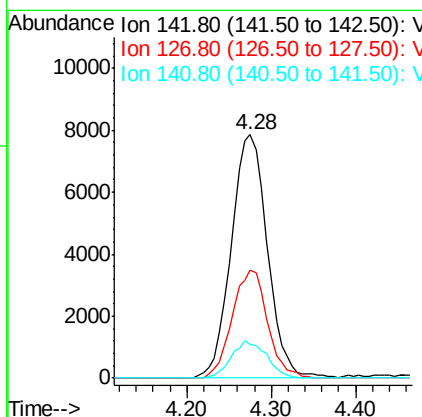
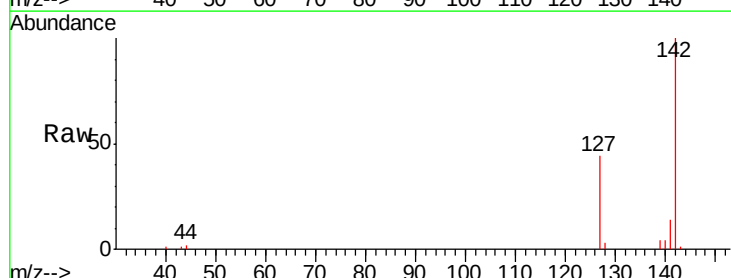
RT: 4.28 min Scan# 389

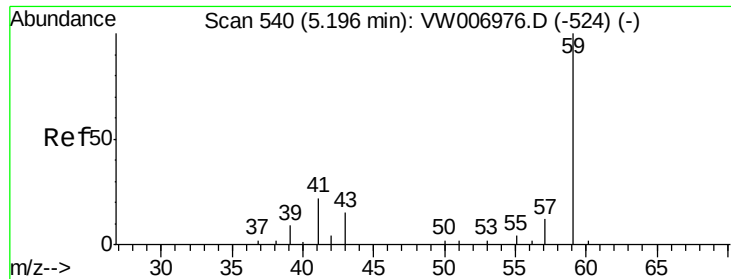
Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Tgt Ion:	142	Resp:	22795
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.3	52.9
141	14.8	11.7	17.5





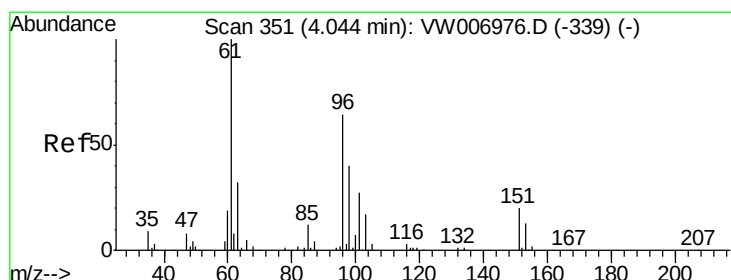
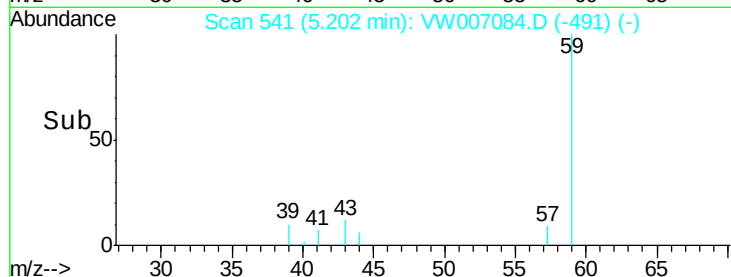
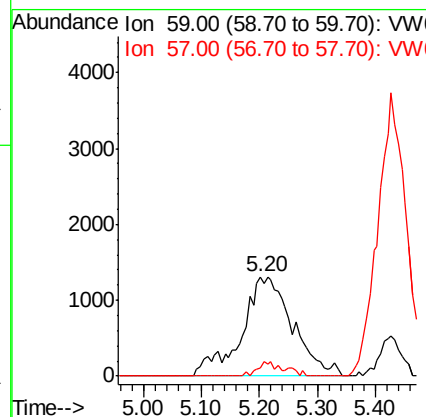
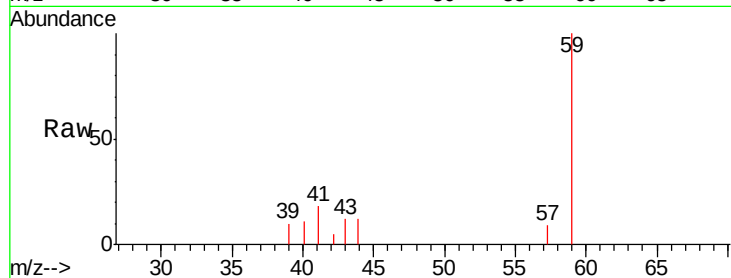
#11
Tert butyl alcohol
Concen: 113.74 ug/l m
RT: 5.20 min Scan# 541
Delta R.T. 0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampled :
VW1127SBS01

Tgt Ion: 59 Resp: 8021
Ion Ratio Lower Upper
59 100
57 5.8 8.6 13.0#

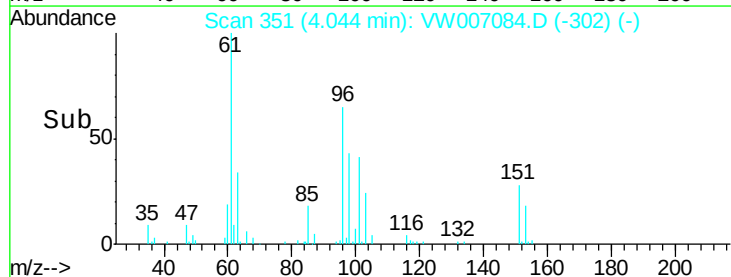
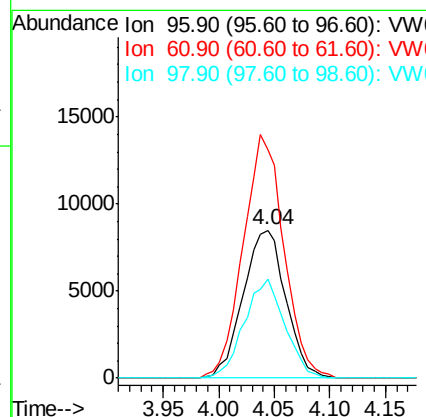
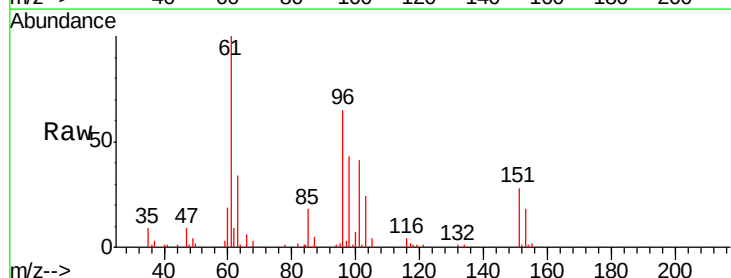
Manual Integrations
APPROVED

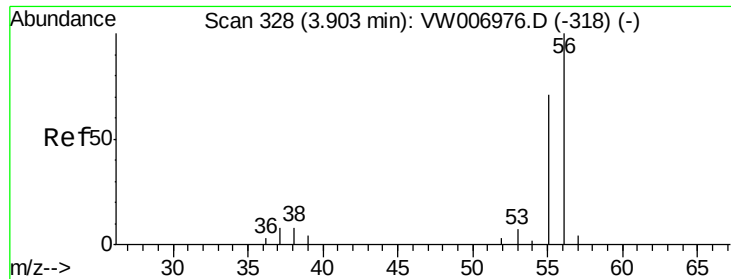
apatel
11/28/2018 11:47:20 AM



#12
1,1-Dichloroethene
Concen: 22.63 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 96 Resp: 22663
Ion Ratio Lower Upper
96 100
61 154.2 124.3 186.5
98 66.8 49.4 74.2





#13

Acrolein

Concen: 94.52 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

Tgt Ion: 56 Resp: 6845

Ion Ratio Lower Upper

56 100

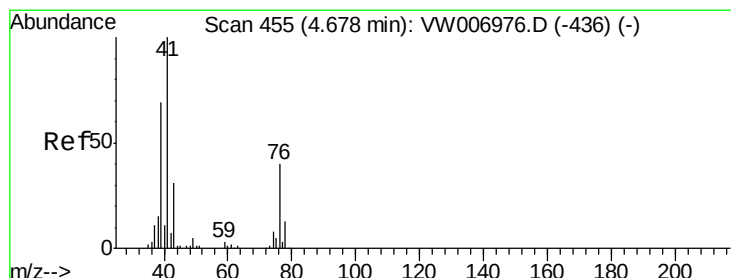
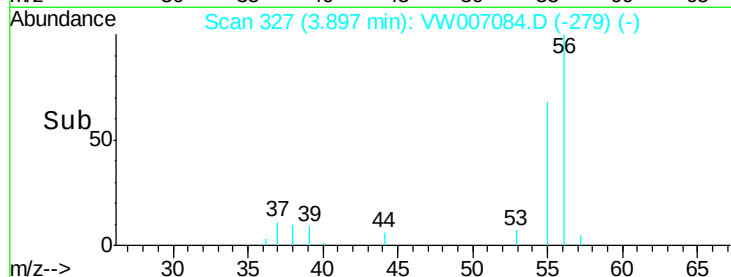
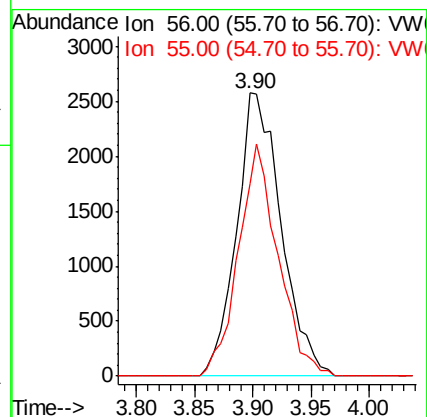
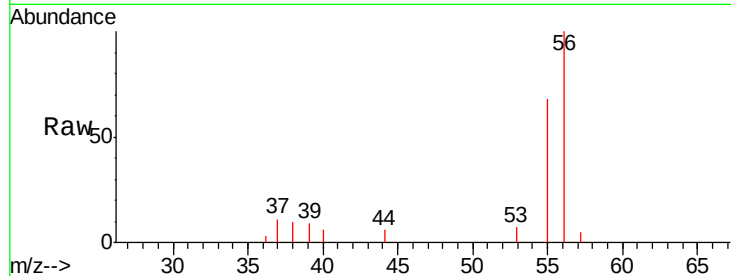
55 73.2 57.5 86.3

Manual Integrations

APPROVED

apatel

11/28/2018 11:47:20 AM



#14

Allyl chloride

Concen: 21.44 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

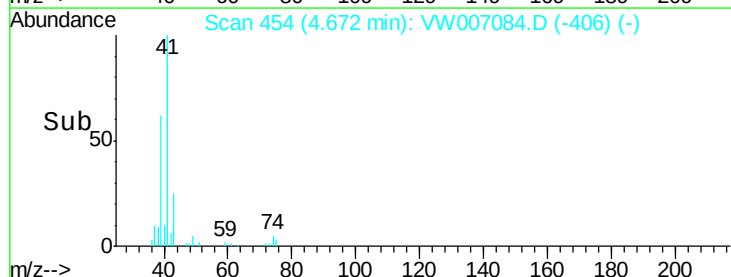
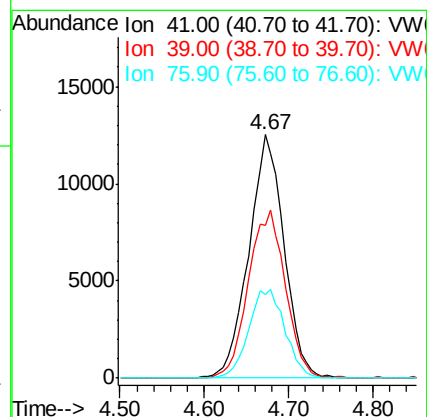
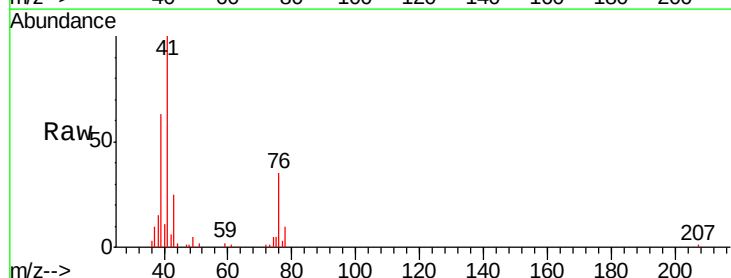
Tgt Ion: 41 Resp: 35610

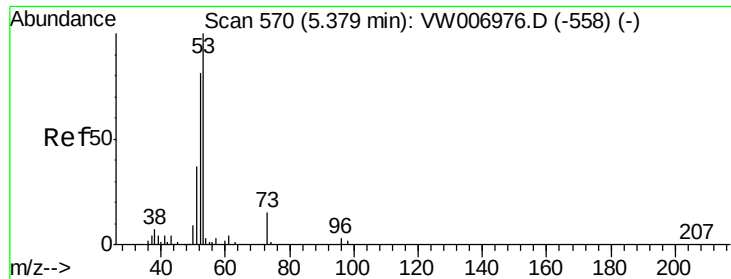
Ion Ratio Lower Upper

41 100

39 72.2 55.4 83.2

76 37.3 29.6 44.4





#15

Acrylonitrile

Concen: 99.41 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

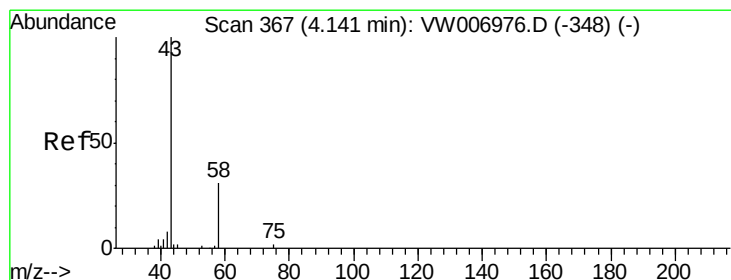
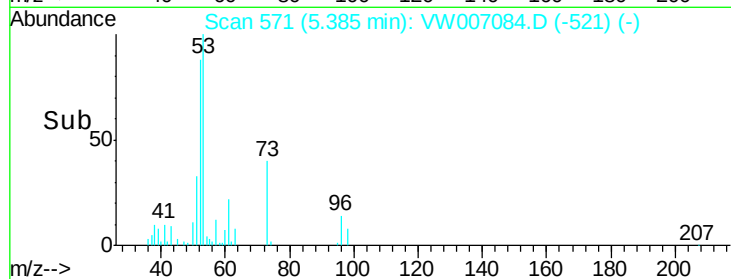
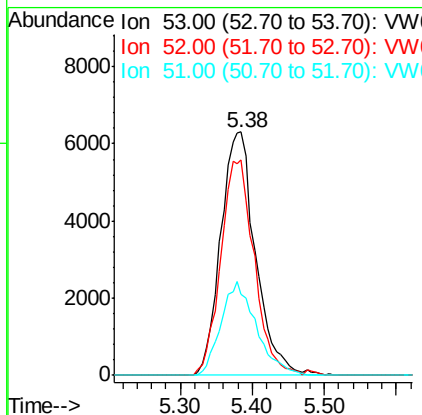
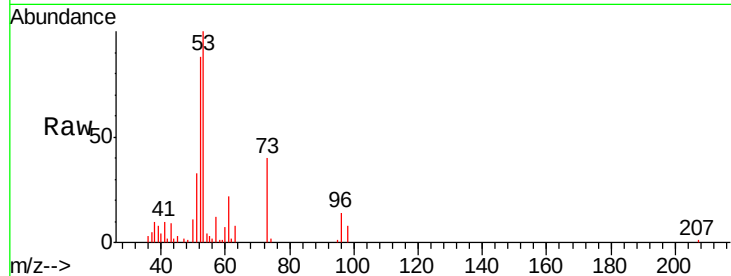
ClientSampleId :

VW1127SBS01

Tgt Ion:	53	Resp:	21205
Ion	Ratio	Lower	Upper
53	100		
52	84.8	65.7	98.5
51	39.0	29.9	44.9

Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM



#16

Acetone

Concen: 101.92 ug/l

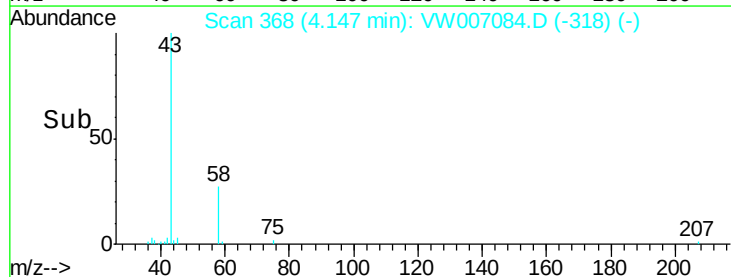
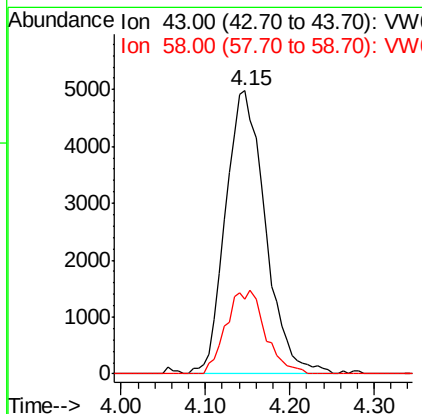
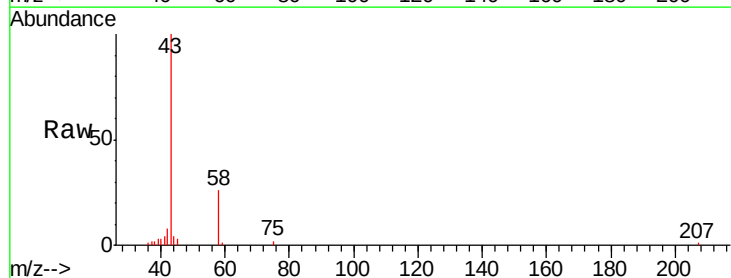
RT: 4.15 min Scan# 368

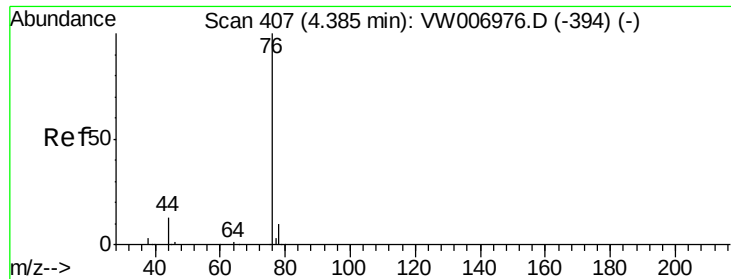
Delta R.T. 0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Tgt Ion:	43	Resp:	16030
Ion	Ratio	Lower	Upper
43	100		
58	26.4	24.8	37.2





#17

Carbon Disulfide

Concen: 21.31 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

Tgt Ion: 76 Resp: 69015

Ion Ratio Lower Upper

76 100

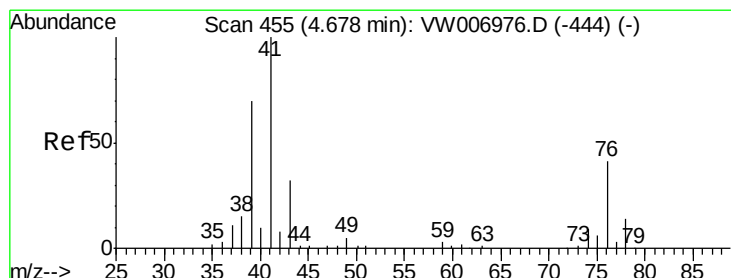
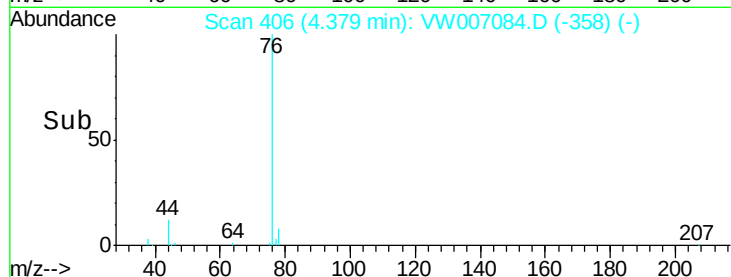
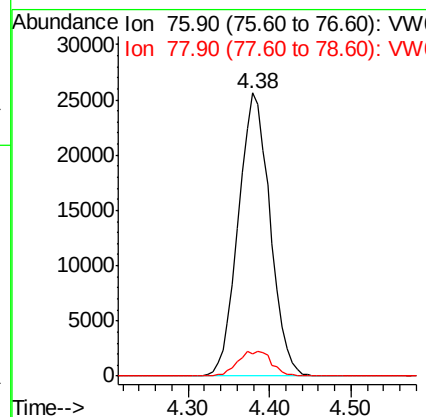
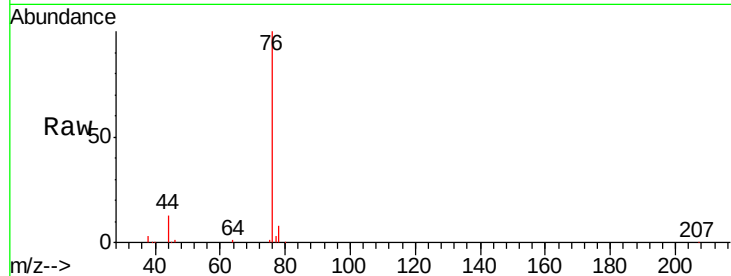
78 8.1 7.8 11.6

Manual Integrations

APPROVED

apatel

11/28/2018 11:47:20 AM



#18

Methyl Acetate

Concen: 19.03 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW007084.D

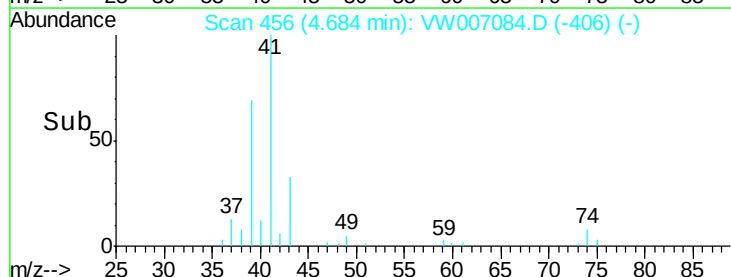
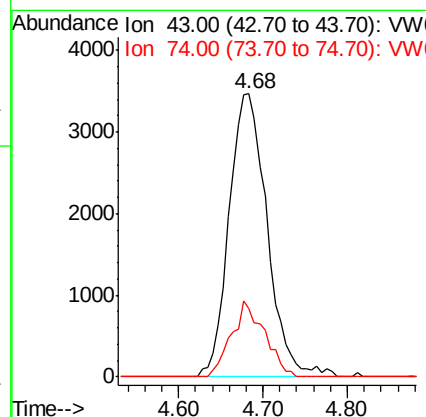
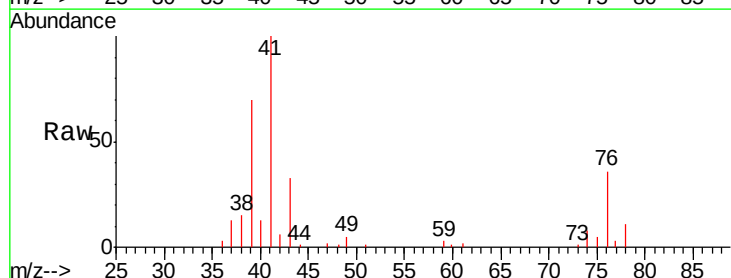
Acq: 27 Nov 2018 13:48

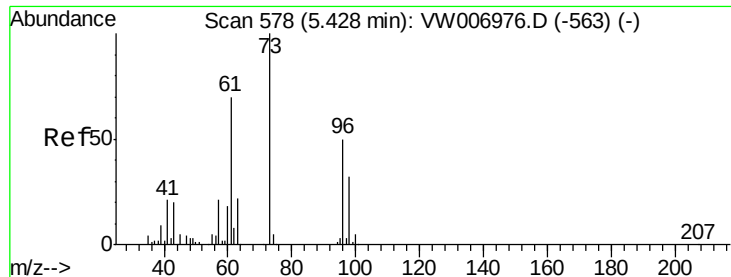
Tgt Ion: 43 Resp: 10660

Ion Ratio Lower Upper

43 100

74 23.3 20.1 30.1





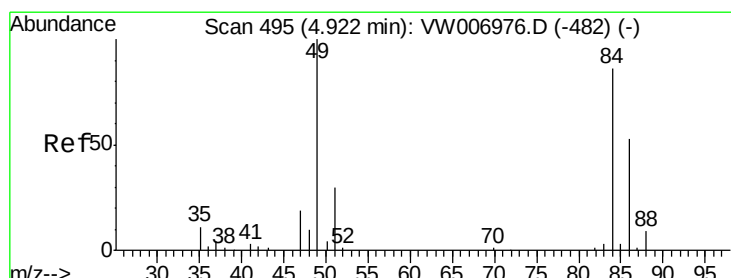
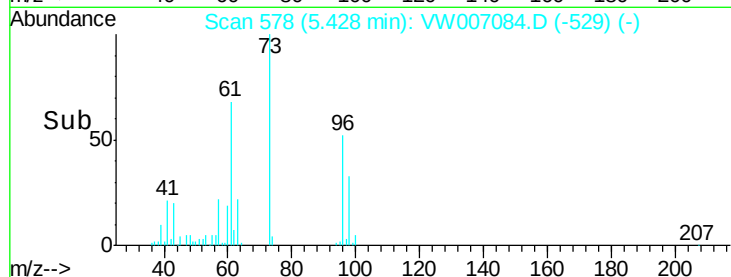
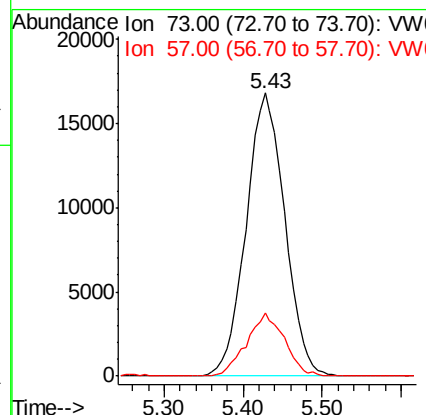
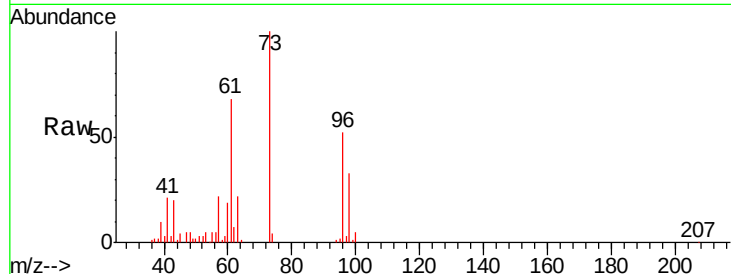
#19
Methyl tert-butyl Ether
Concen: 21.91 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion: 73 Resp: 57296
Ion Ratio Lower Upper
73 100
57 22.2 16.7 25.1

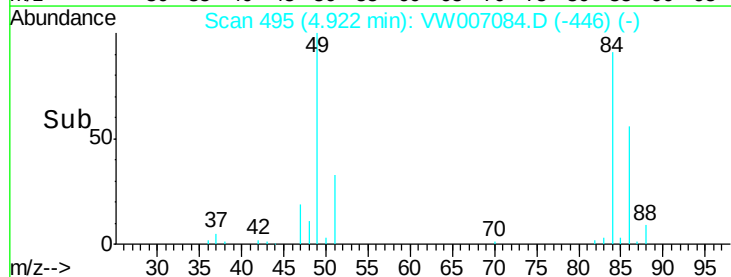
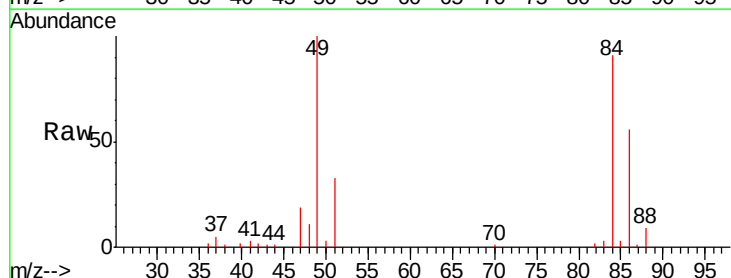
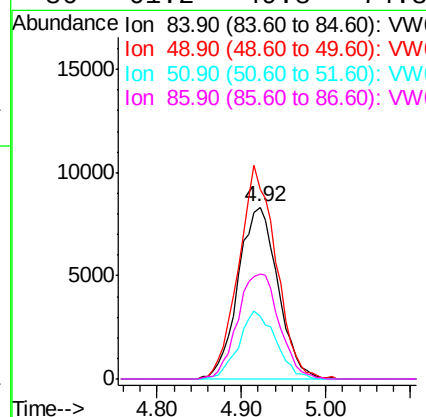
Manual Integrations
APPROVED

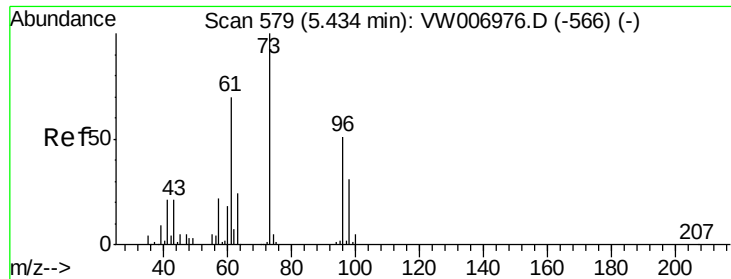
apatel
11/28/2018 11:47:20 AM



#20
Methylene Chloride
Concen: 17.81 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 84 Resp: 26678
Ion Ratio Lower Upper
84 100
49 110.1 93.4 140.0
51 36.4 28.4 42.6
86 61.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 22.20 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

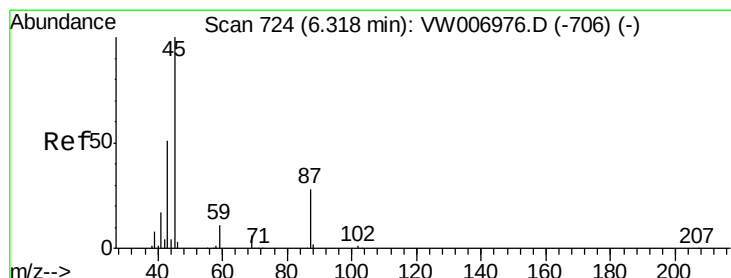
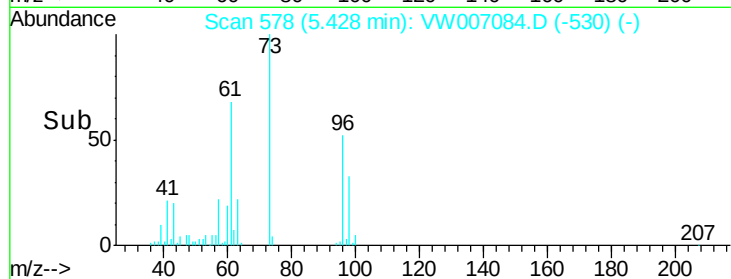
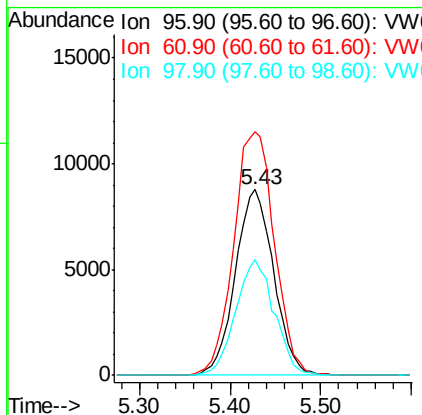
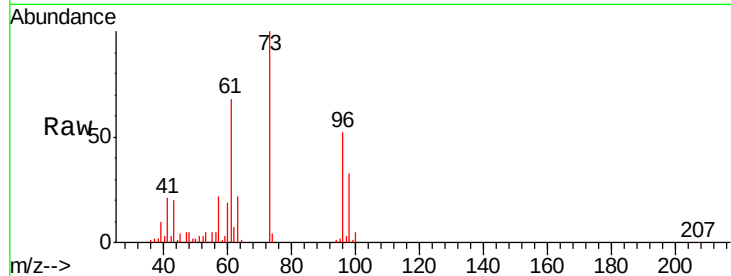
ClientSampleId :

VW1127SBS01

Tgt Ion:	96	Resp:	25894
Ion	Ratio	Lower	Upper
96	100		
61	131.1	109.4	164.0
98	62.3	48.3	72.5

Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM



#22

Diisopropyl ether

Concen: 21.91 ug/l

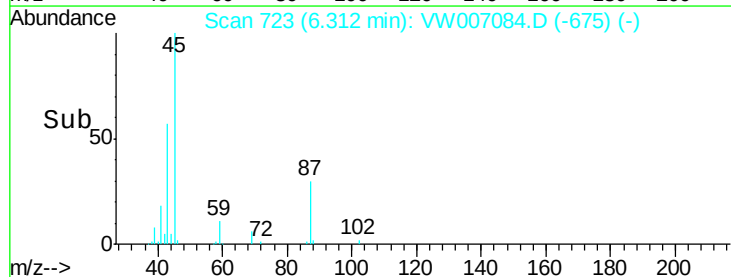
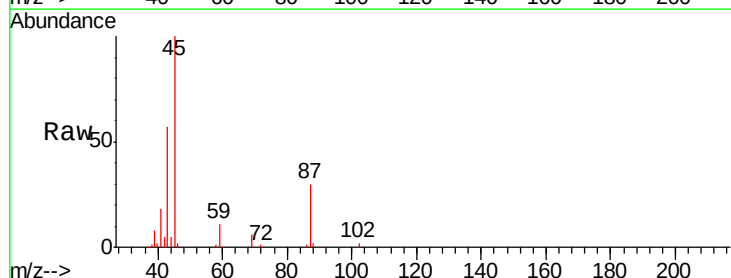
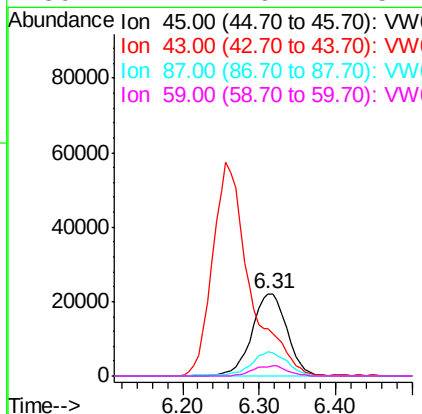
RT: 6.31 min Scan# 723

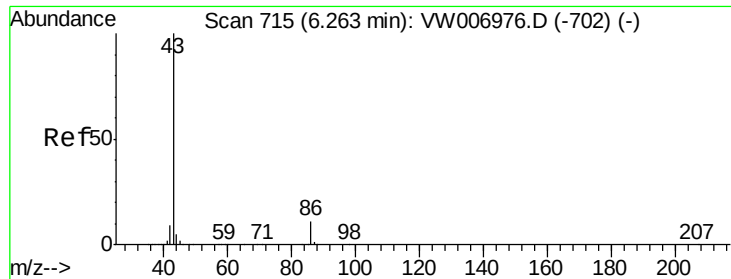
Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Tgt Ion:	45	Resp:	70853
Ion	Ratio	Lower	Upper
45	100		
43	56.1	42.5	63.7
87	30.4	22.8	34.2
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 112.50 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

Tgt Ion: 43 Resp: 193158

Ion Ratio Lower Upper

43 100

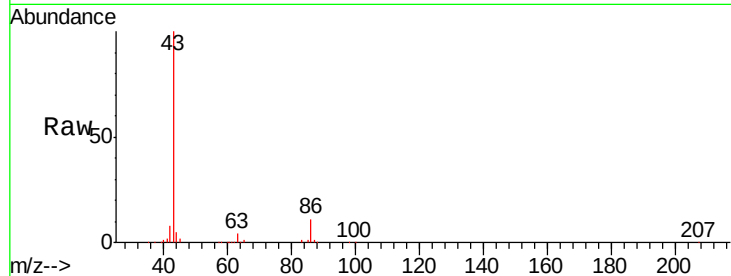
86 10.6 8.7 13.1

Manual Integrations

APPROVED

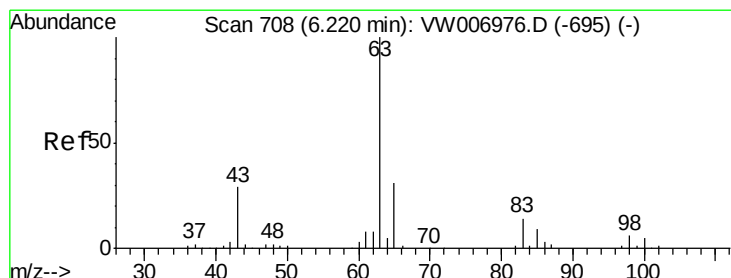
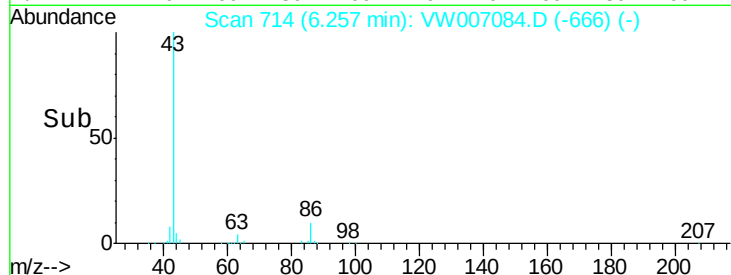
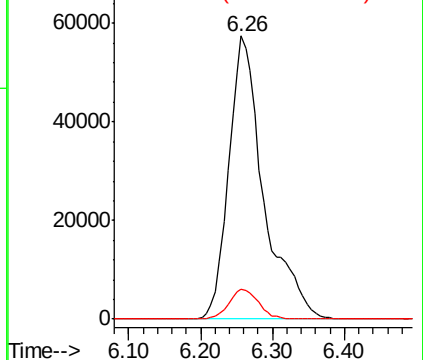
apatel

11/28/2018 11:47:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.37 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

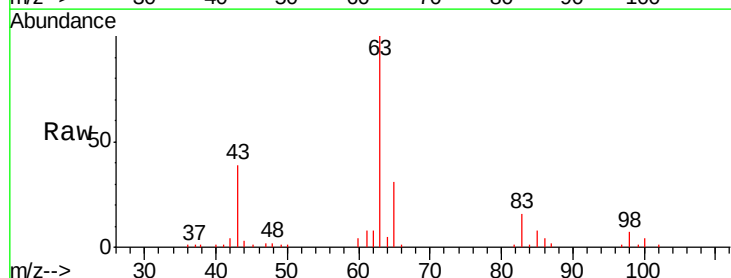
Tgt Ion: 63 Resp: 42038

Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

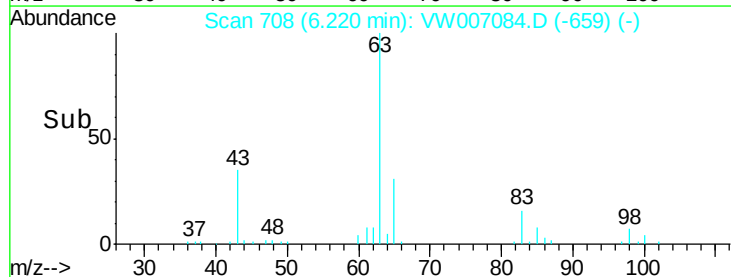
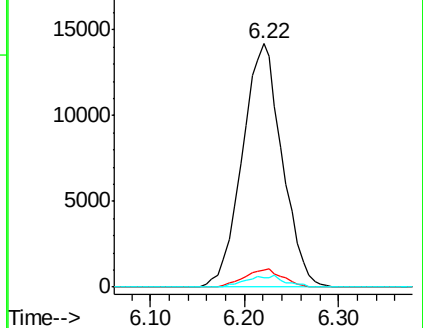
100 4.0 2.3 6.9

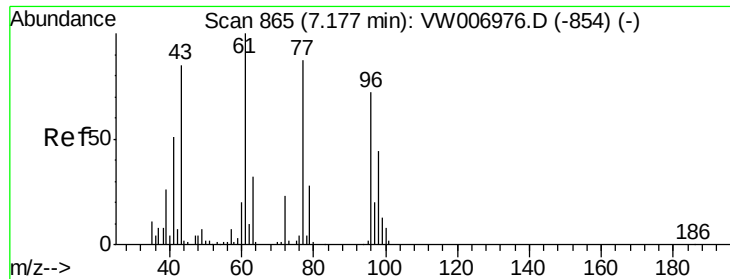


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 100.58 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampled :

VW1127SBS01

Tgt Ion: 43 Resp: 27093

Ion Ratio Lower Upper

43 100

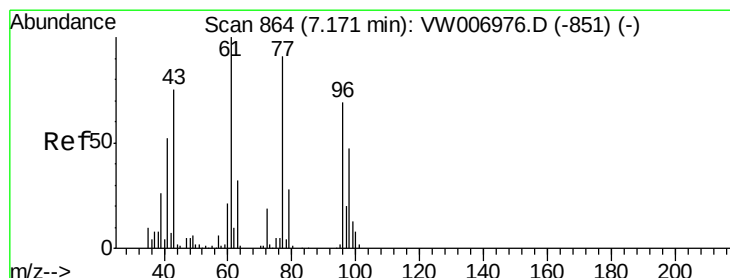
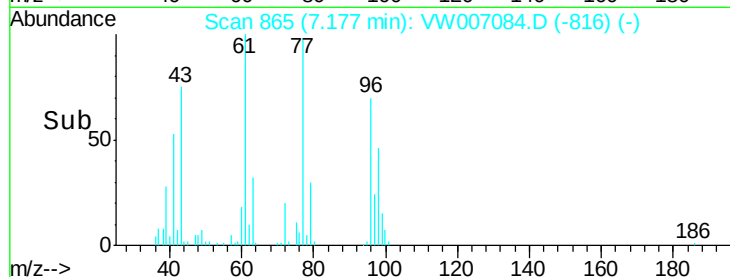
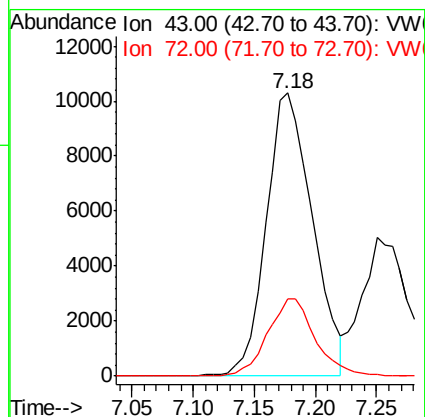
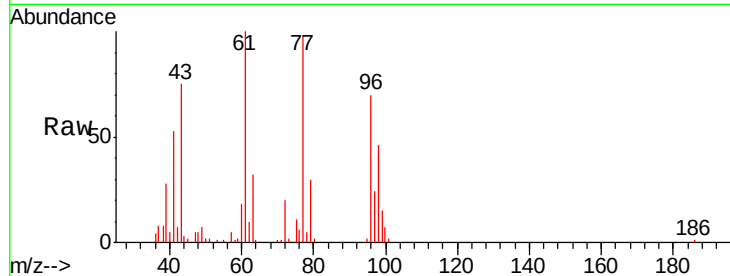
72 27.1 21.3 31.9

Manual Integrations

APPROVED

apatel

11/28/2018 11:47:20 AM



#26

2,2-Dichloropropane

Concen: 24.15 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007084.D

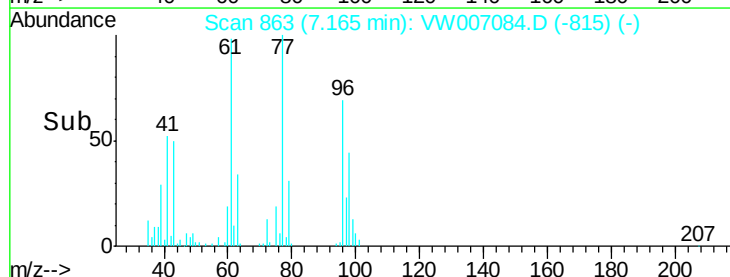
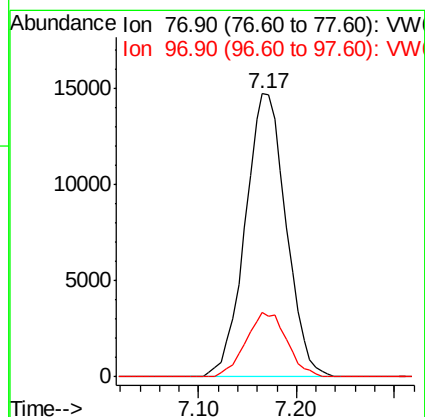
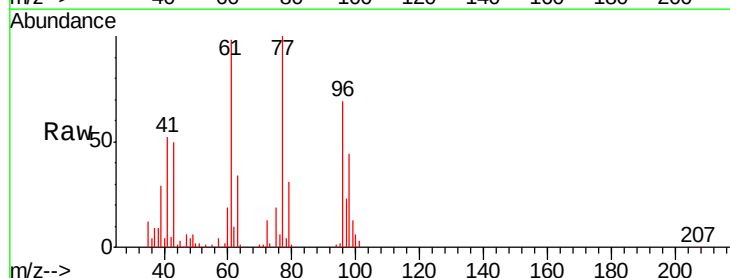
Acq: 27 Nov 2018 13:48

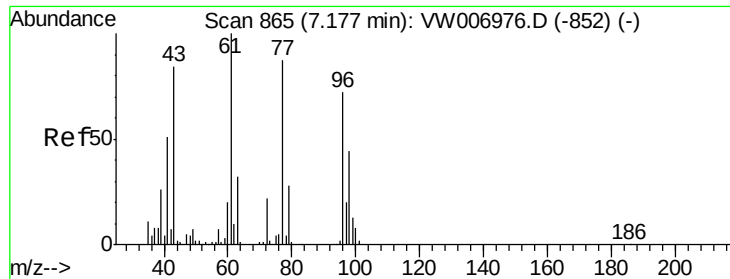
Tgt Ion: 77 Resp: 42714

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1





#27

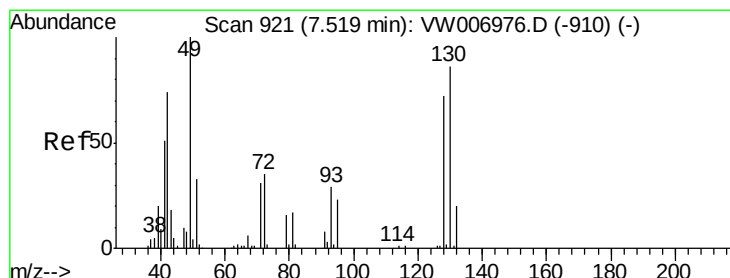
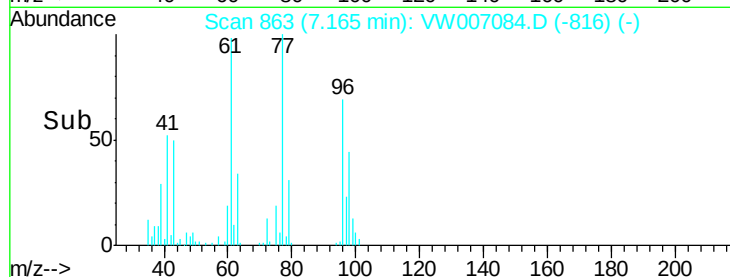
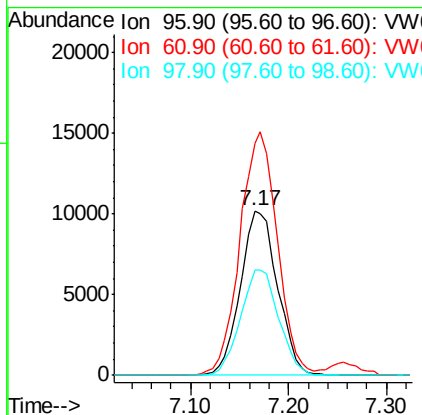
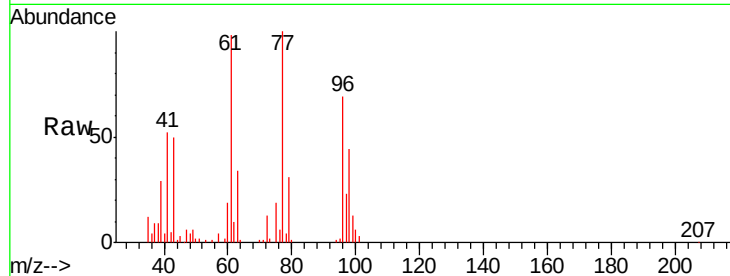
cis-1,2-Dichloroethene
 Concen: 21.60 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	26840		
61	148.9	0.0	292.6	
98	65.6	0.0	129.8	

Manual Integrations
 APPROVED

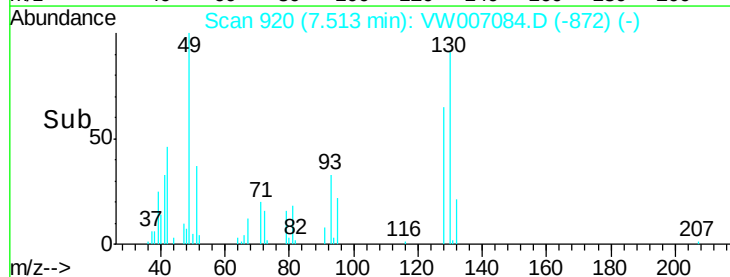
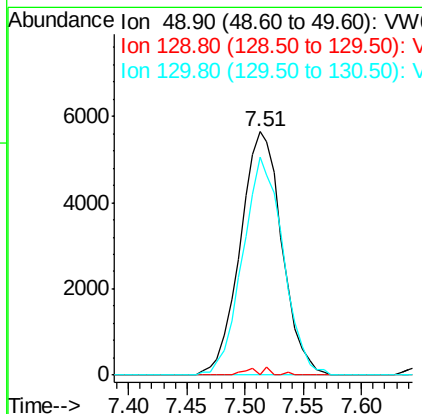
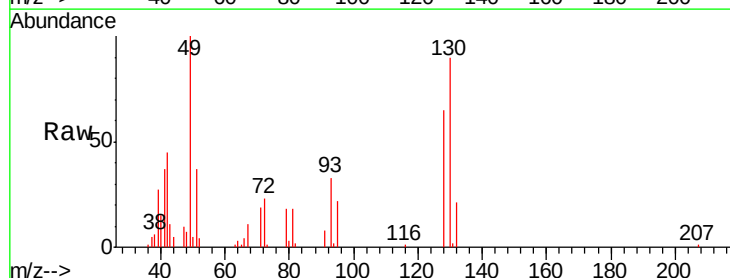
apatel
 11/28/2018 11:47:20 AM

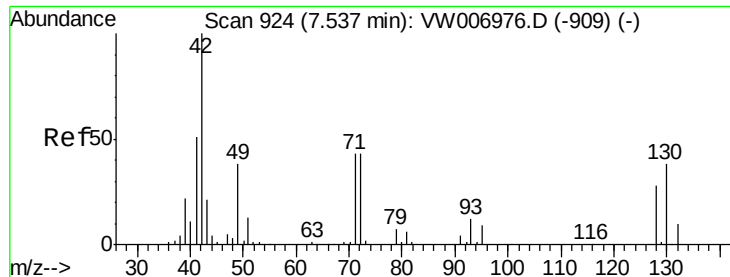


#28

Bromochloromethane
 Concen: 19.17 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	14092		
129	0.9	0.0	2.0	
130	87.1	69.0	103.4	





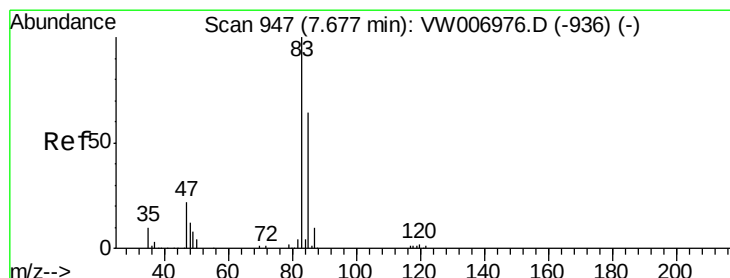
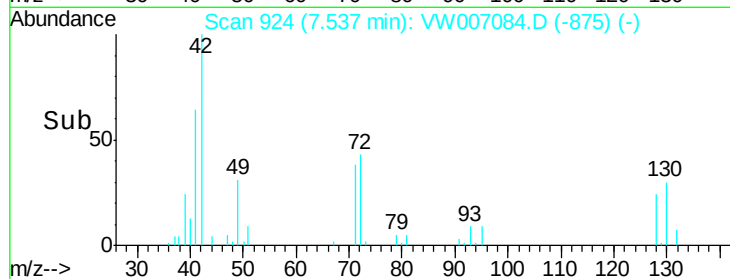
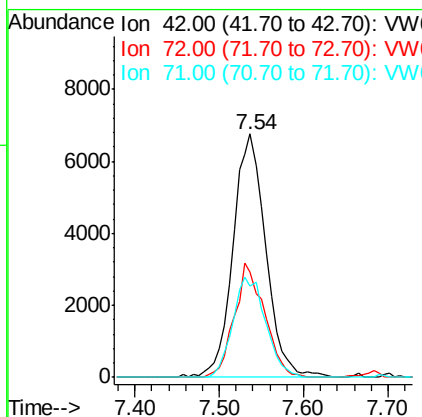
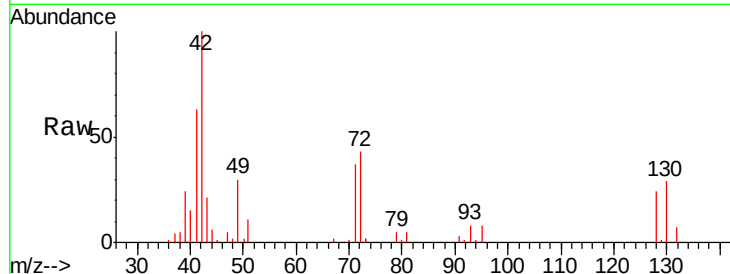
#29
Tetrahydrofuran
Concen: 101.41 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.4	36.2	54.4
71	41.5	33.8	50.8

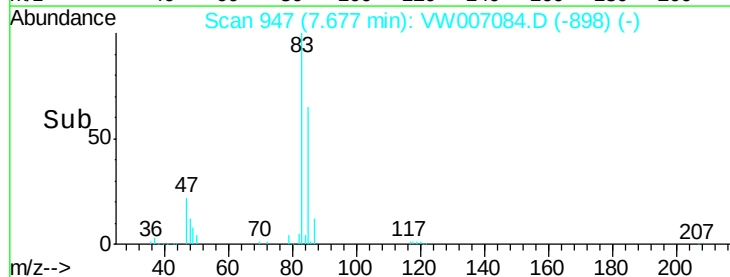
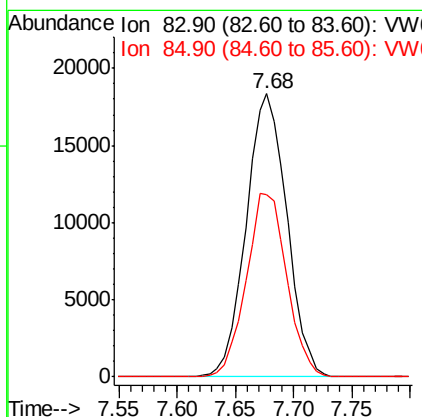
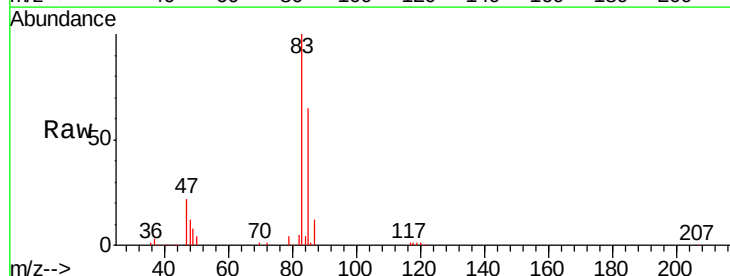
Manual Integrations
APPROVED

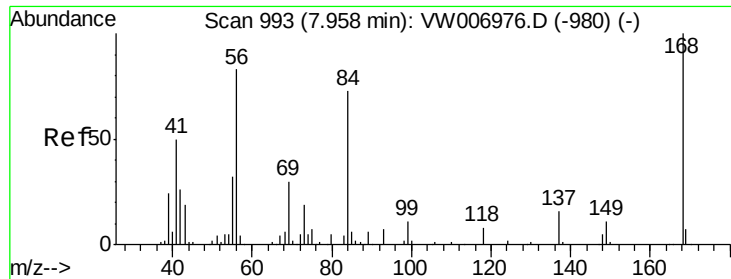
apatel
11/28/2018 11:47:20 AM



#30
Chloroform
Concen: 21.38 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.9	76.3





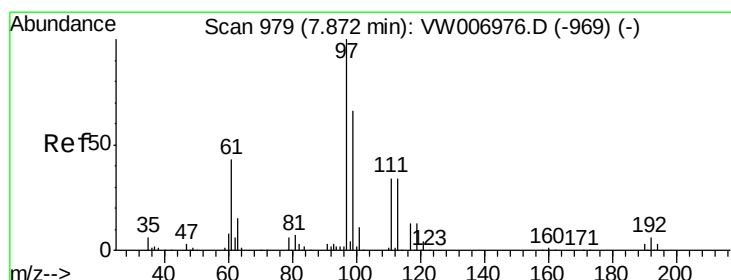
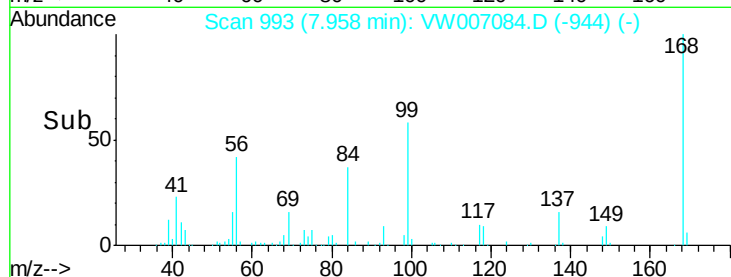
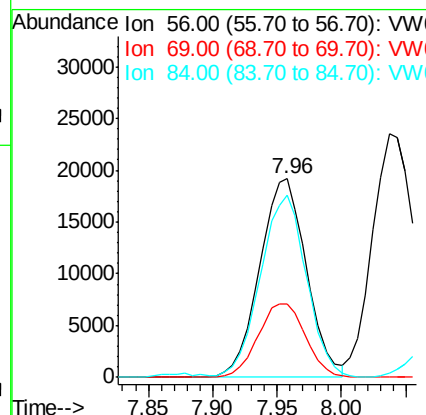
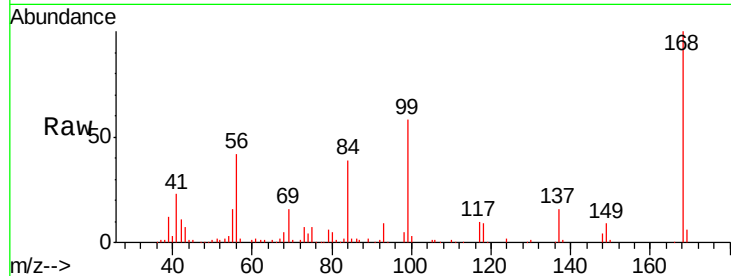
#31
Cyclohexane
Concen: 23.16 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.8	29.1	43.7
84	90.7	70.6	105.8

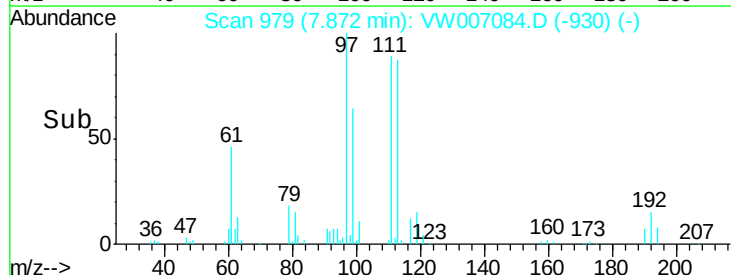
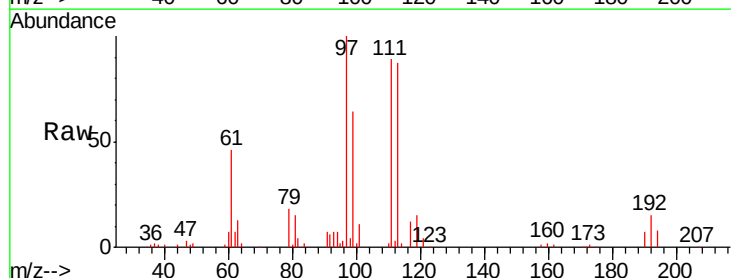
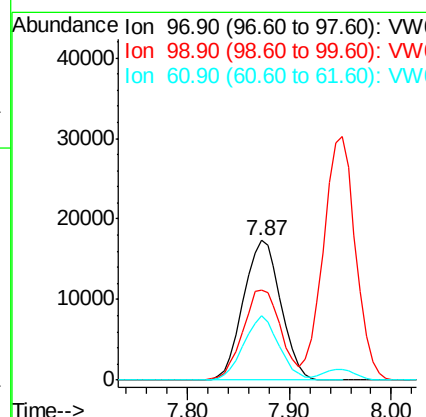
Manual Integrations
APPROVED

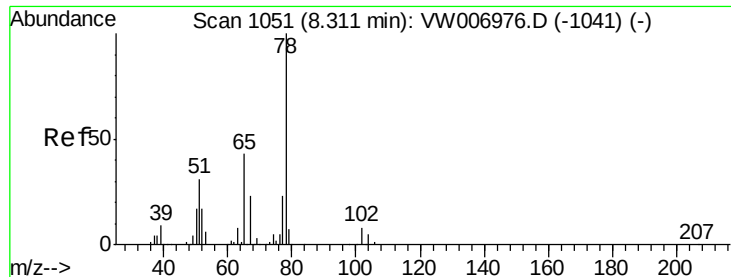
apatel
11/28/2018 11:47:20 AM



#32
1,1,1-Trichloroethane
Concen: 23.51 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	43.3	33.4	50.2





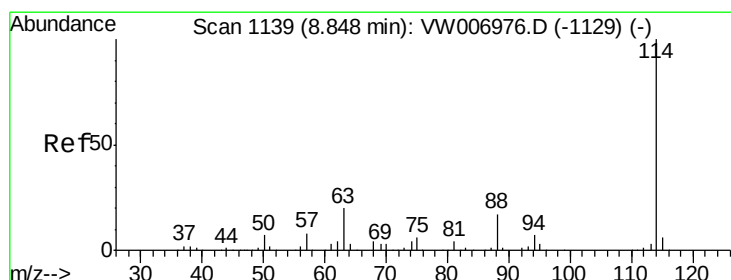
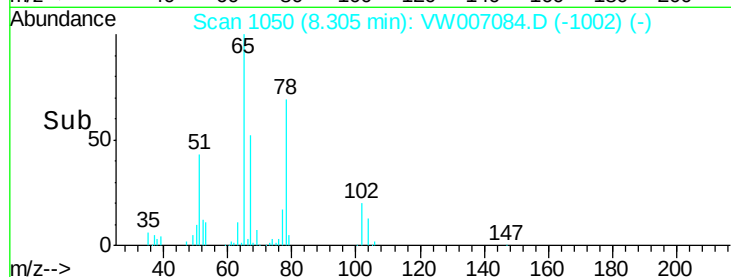
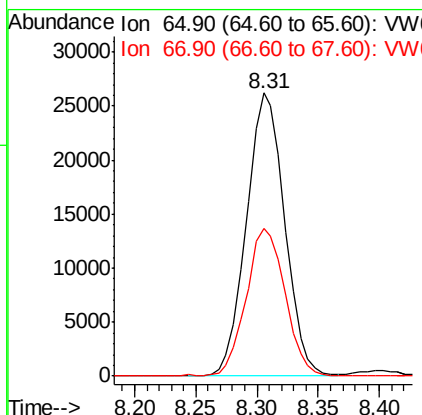
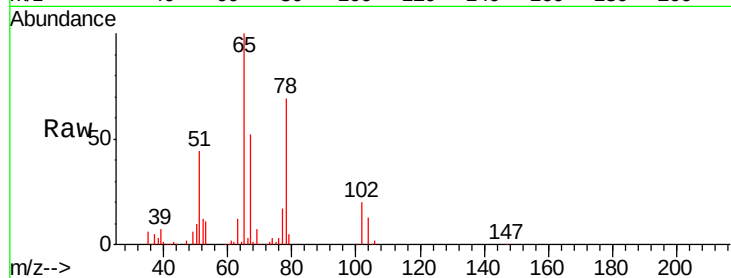
#33
 1,2-Dichloroethane-d4
 Concen: 52.64 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion: 65 Resp: 57027
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2

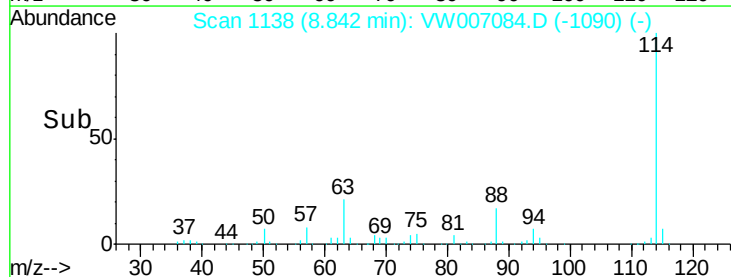
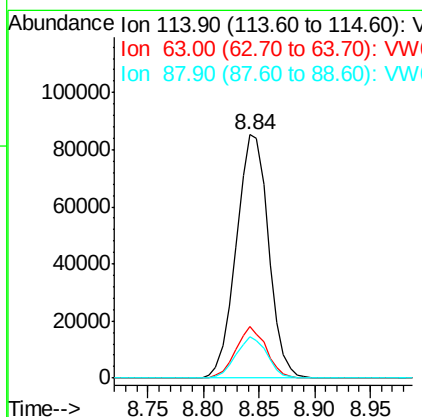
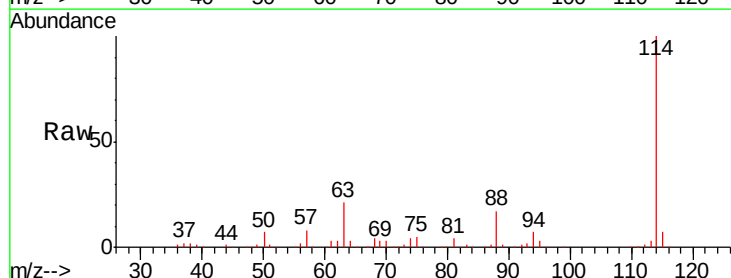
Manual Integrations
 APPROVED

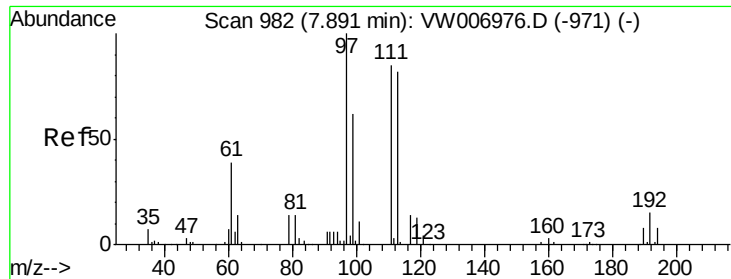
apatel
 11/28/2018 11:47:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 114 Resp: 171021
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 39.4
 88 17.0 0.0 34.2





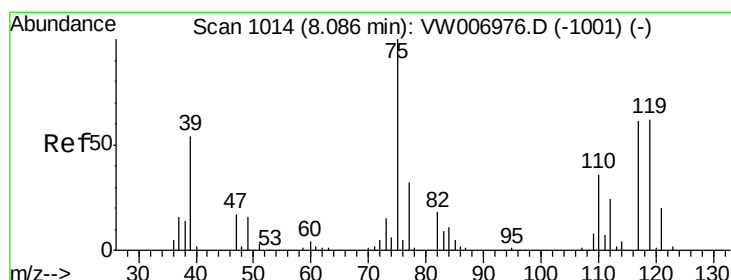
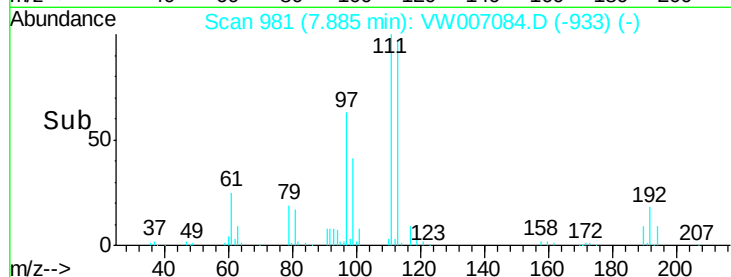
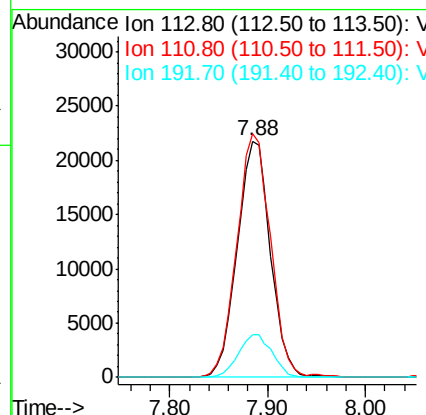
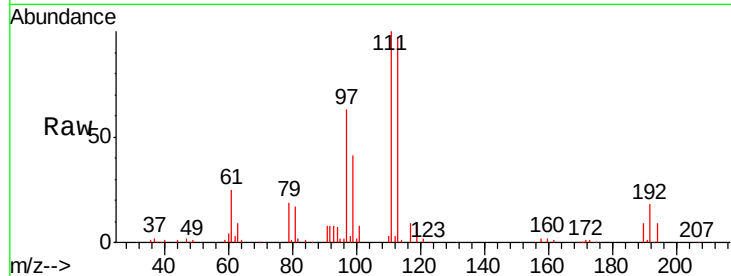
#35
Dibromofluoromethane
Concen: 53.00 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	51190		
111	104.5	81.0	121.6	
192	18.4	15.0	22.6	

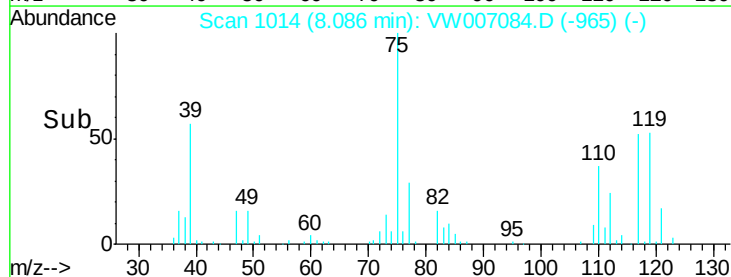
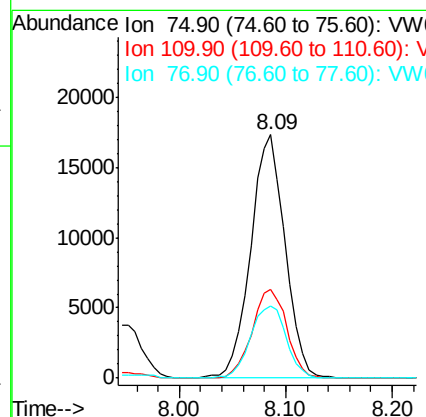
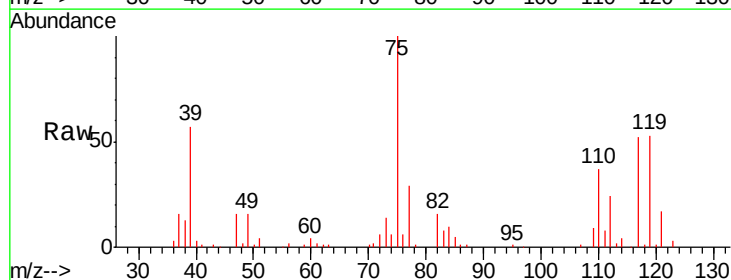
Manual Integrations
APPROVED

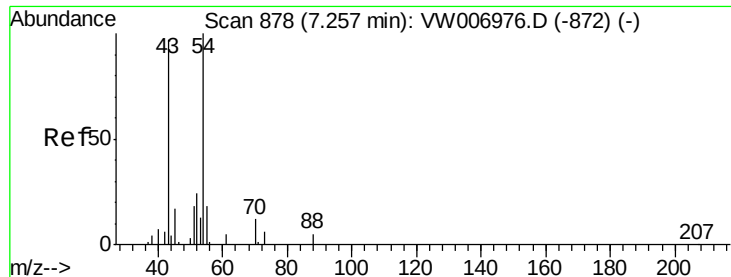
apatel
11/28/2018 11:47:20 AM



#36
1,1-Dichloropropene
Concen: 23.50 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	39266		
110	36.7	18.0	54.0	
77	30.9	24.9	37.3	





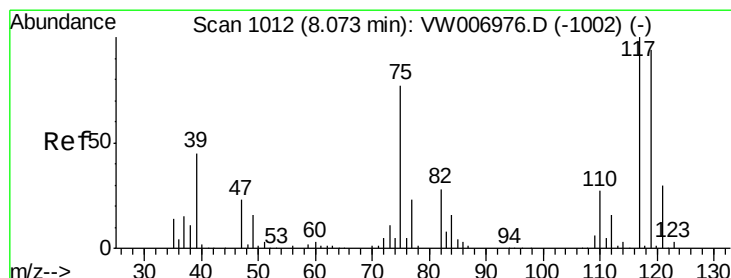
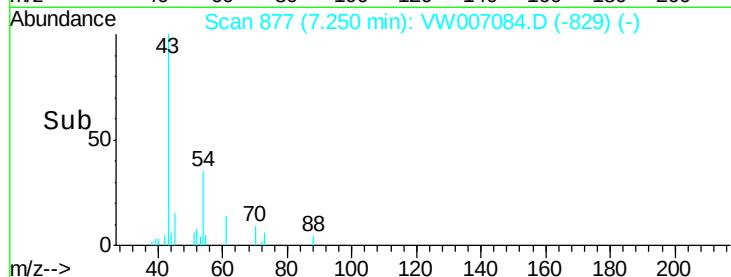
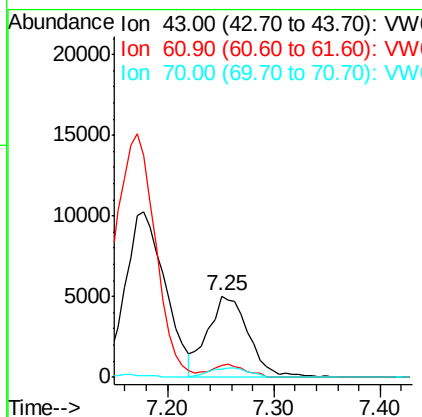
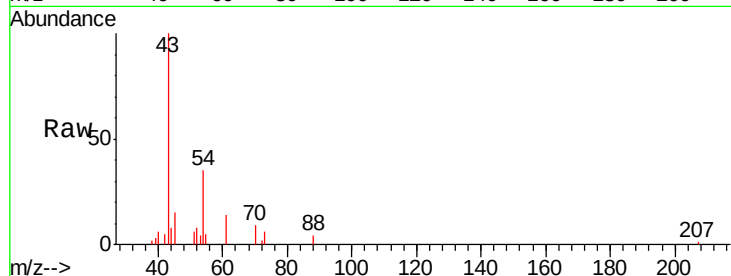
#37
Ethyl Acetate
Concen: 22.21 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion: 43 Resp: 13448
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 11.4 8.8 13.2

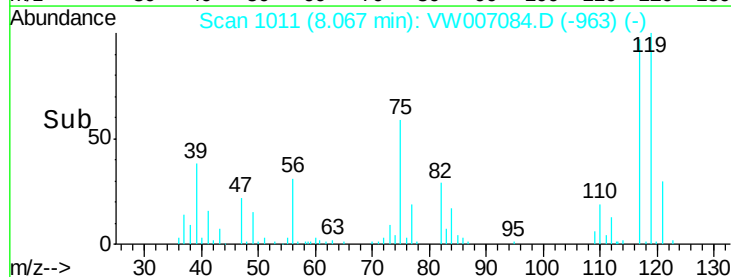
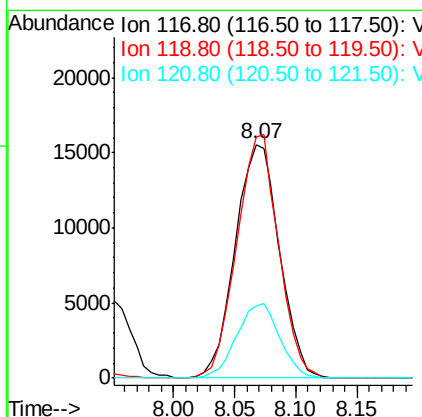
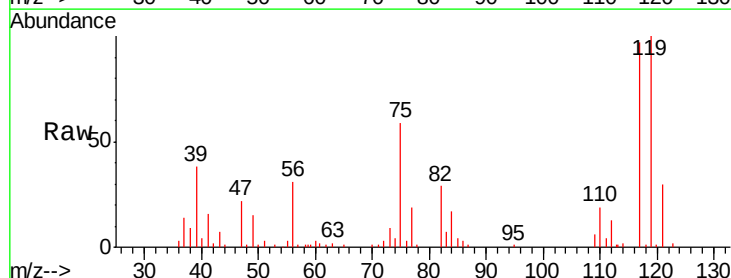
Manual Integrations
APPROVED

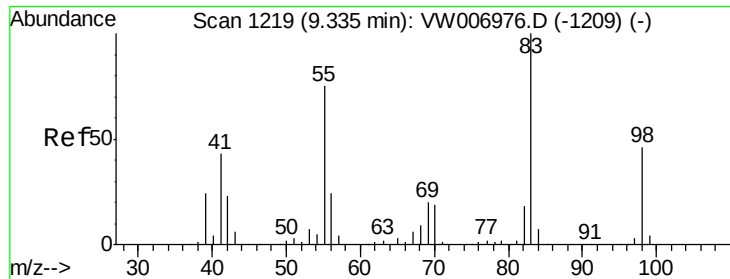
apatel
11/28/2018 11:47:20 AM



#38
Carbon Tetrachloride
Concen: 24.43 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 117 Resp: 39094
Ion Ratio Lower Upper
117 100
119 103.1 74.9 112.3
121 30.9 23.6 35.4





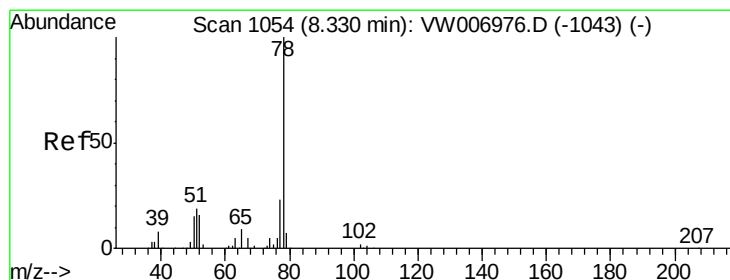
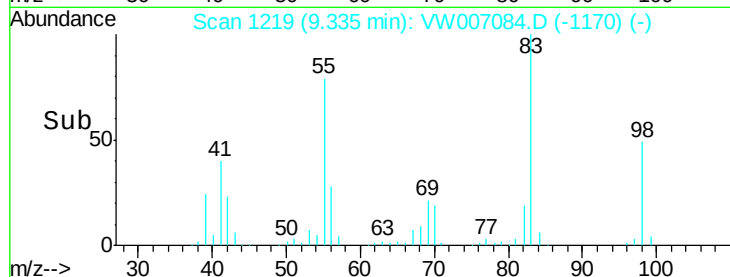
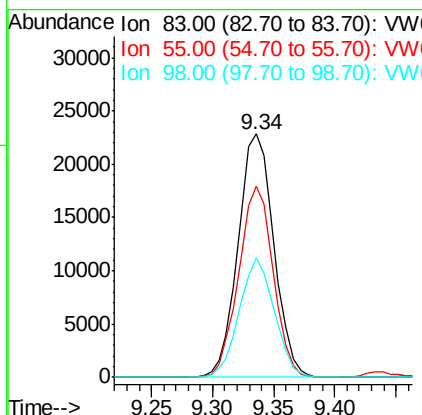
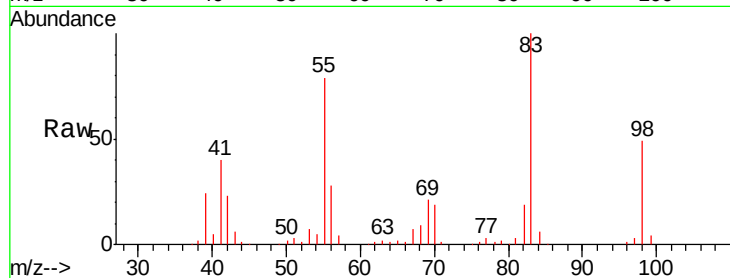
#39
Methylcyclohexane
Concen: 22.19 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.7	59.6	89.4
98	49.0	37.1	55.7

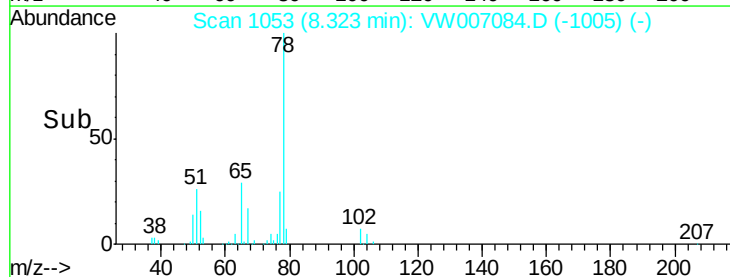
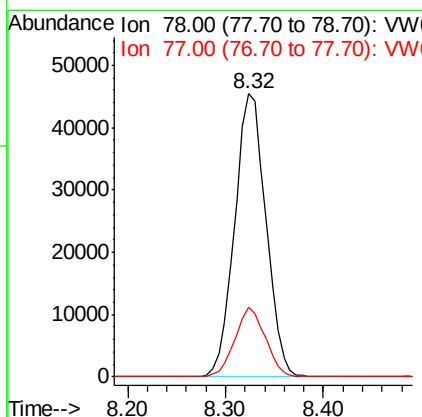
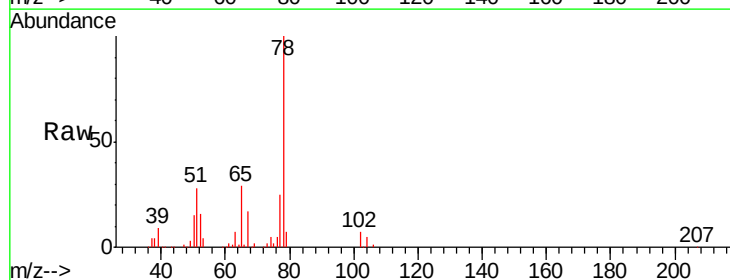
Manual Integrations
APPROVED

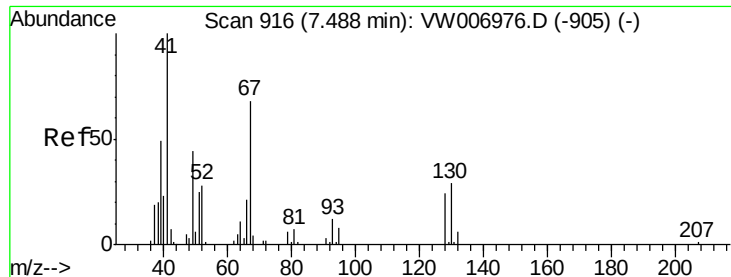
apatel
11/28/2018 11:47:20 AM



#40
Benzene
Concen: 22.41 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0





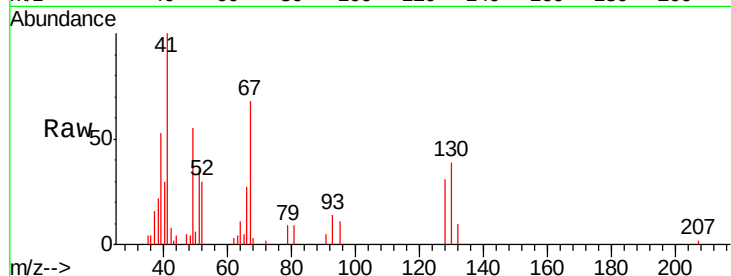
#41
Methacrylonitrile
Concen: 23.74 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	48.0	48.6	73.0#
67	62.5	59.8	89.8
52	25.7	24.8	37.2

Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM



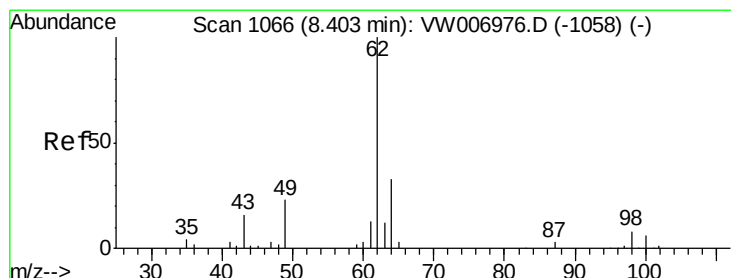
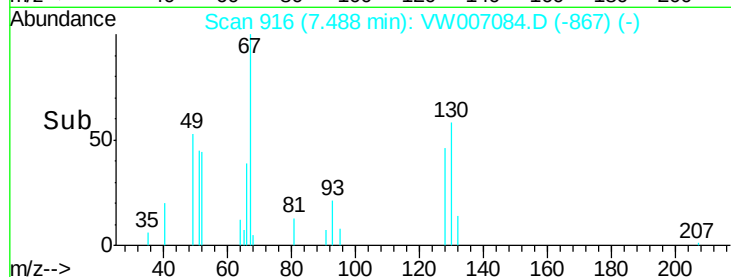
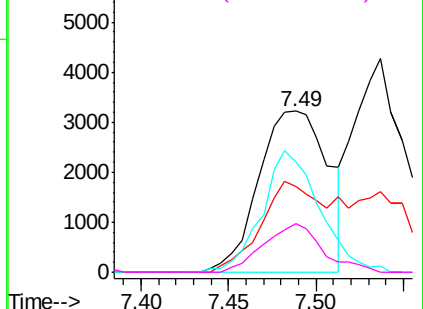
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

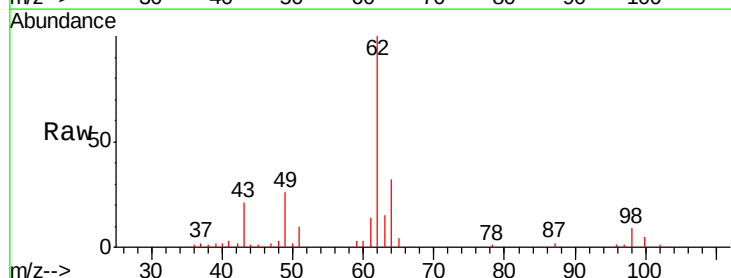
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.91 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

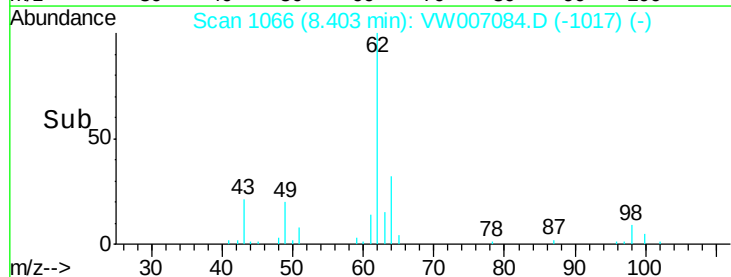
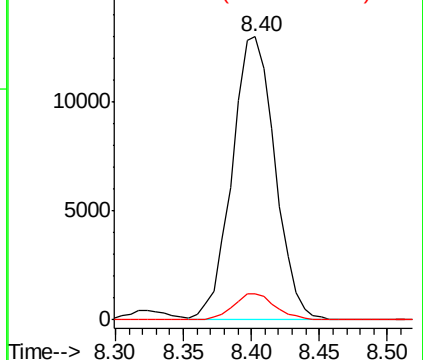
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6

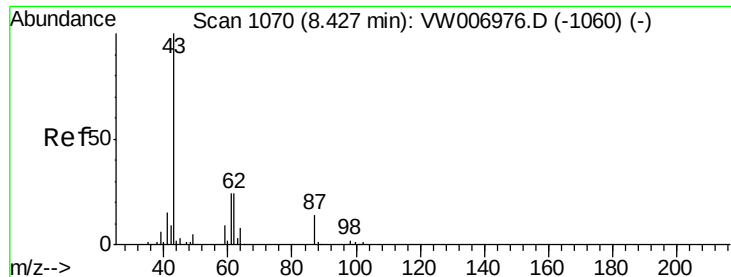


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.52 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

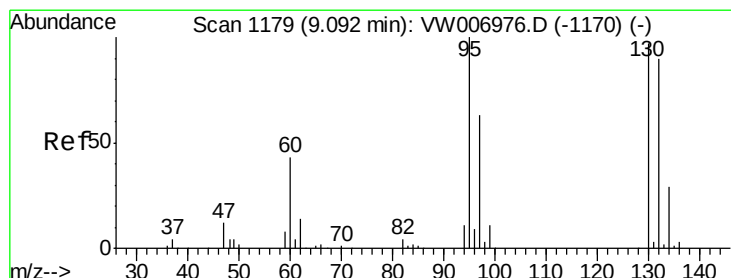
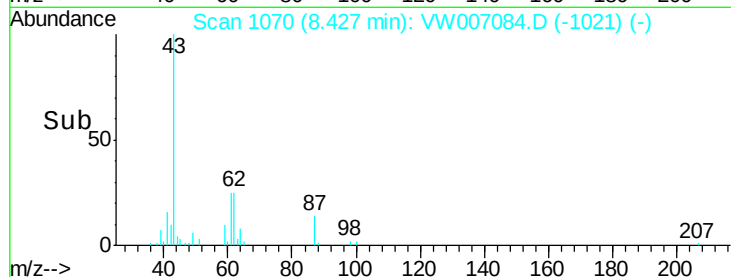
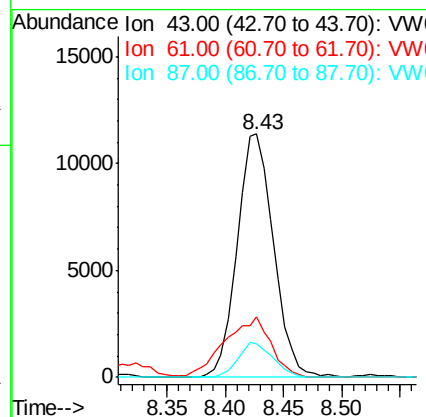
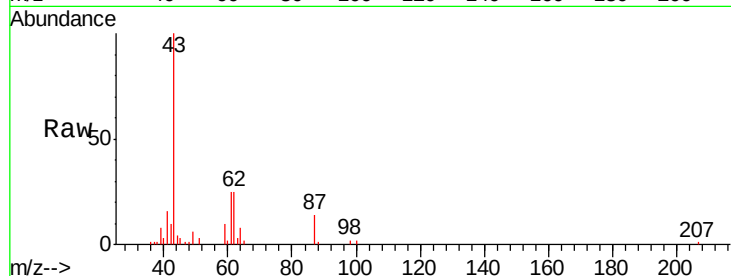
ClientSampleId :

VW1127SBS01

Tgt Ion:	43	Resp:	24832
Ion	Ratio	Lower	Upper
43	100		
61	31.4	26.1	39.1
87	13.5	11.2	16.8

Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM



#44

Trichloroethene

Concen: 23.62 ug/l

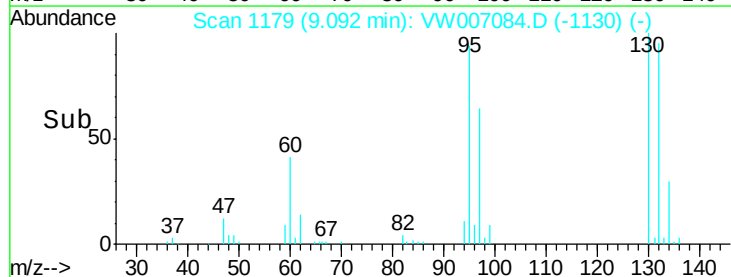
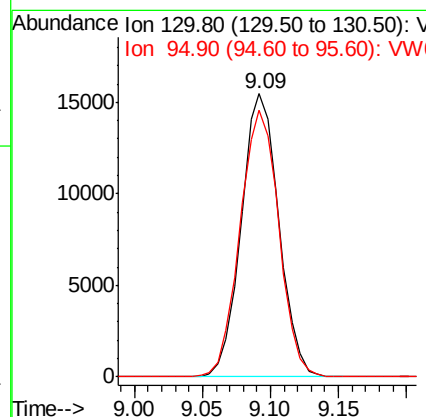
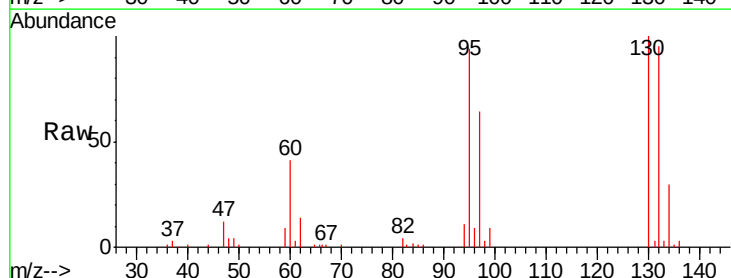
RT: 9.09 min Scan# 1179

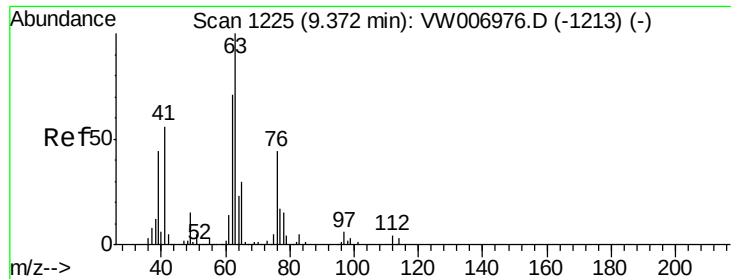
Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Tgt Ion:	130	Resp:	29873
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	206.4





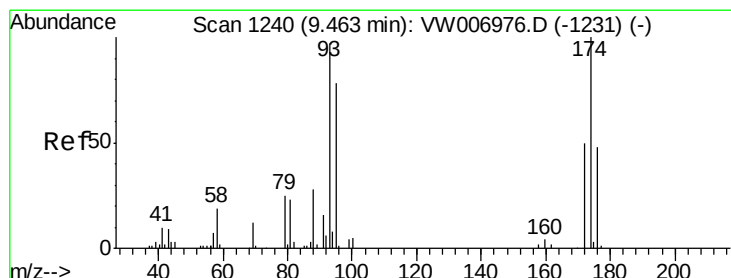
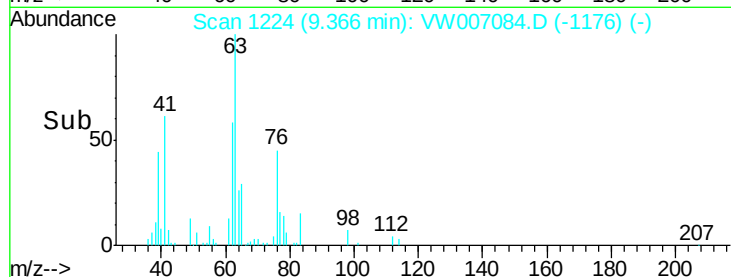
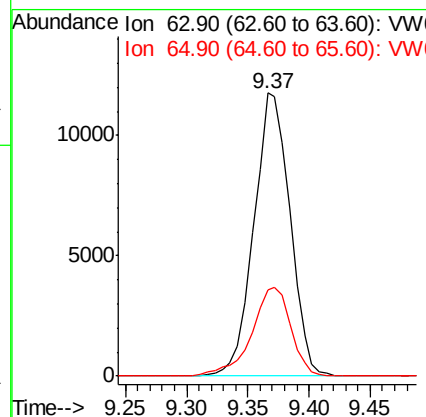
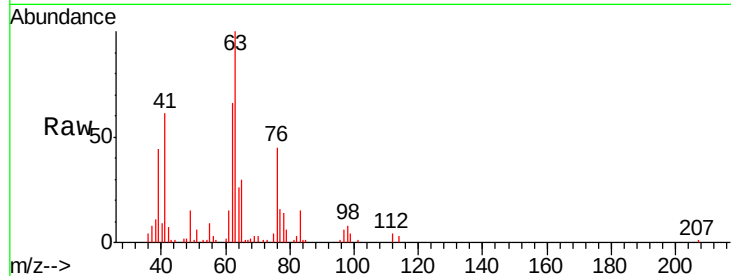
#45
 1,2-Dichloropropane
 Concen: 21.75 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampled :
 VW1127SBS01

Tgt Ion: 63 Resp: 24188
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

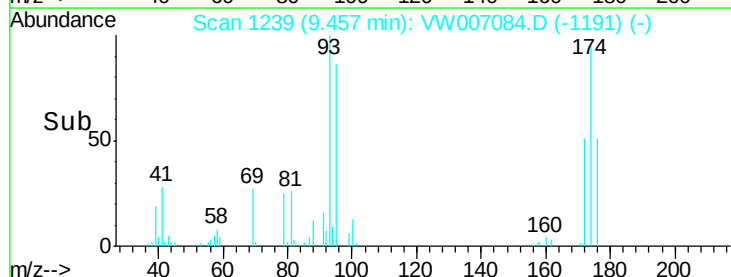
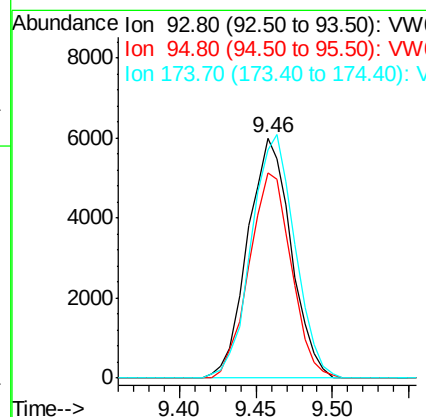
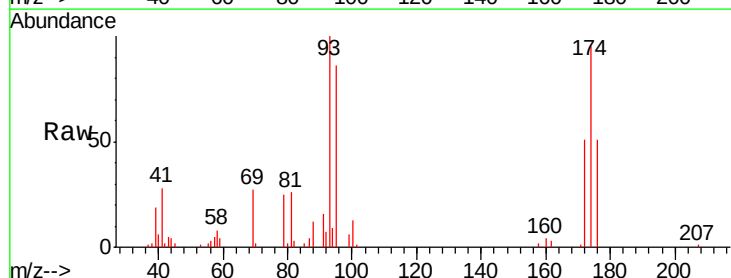
Manual Integrations
 APPROVED

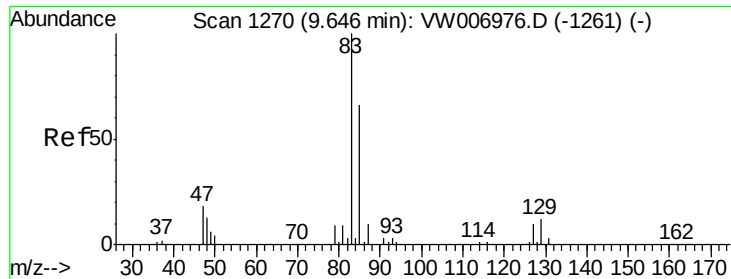
apatel
 11/28/2018 11:47:20 AM



#46
 Dibromomethane
 Concen: 21.21 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 93 Resp: 11811
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.1 99.1
 174 101.9 79.7 119.5





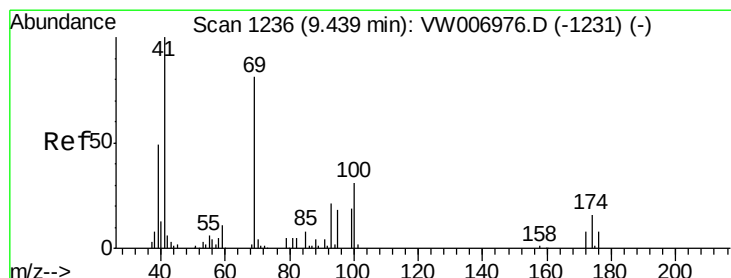
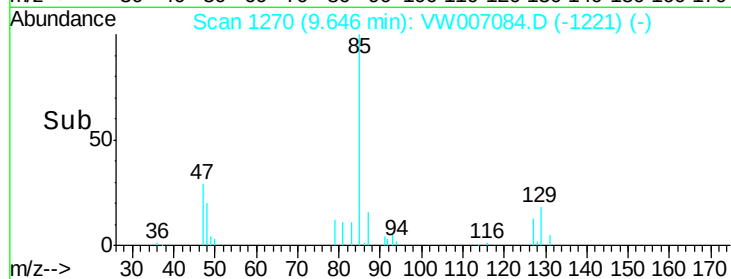
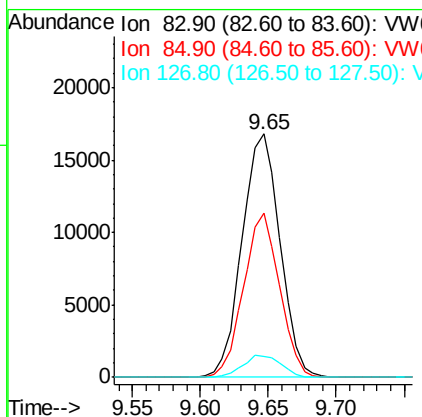
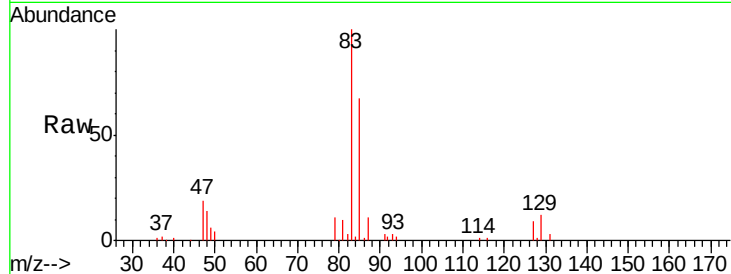
#47
 Bromodichloromethane
 Concen: 22.40 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	32865		
85	67.3		52.9	79.3
127	8.7		7.8	11.6

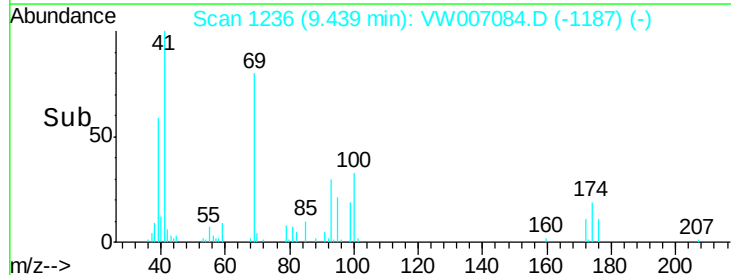
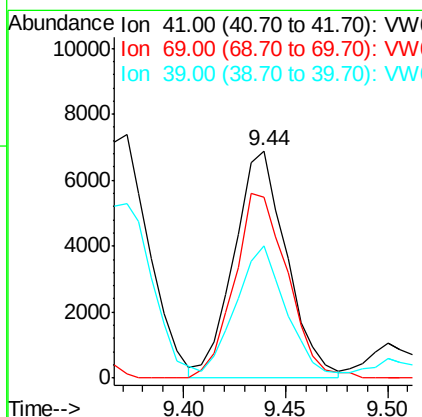
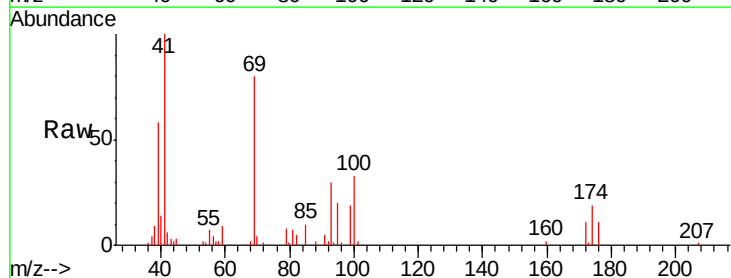
Manual Integrations
 APPROVED

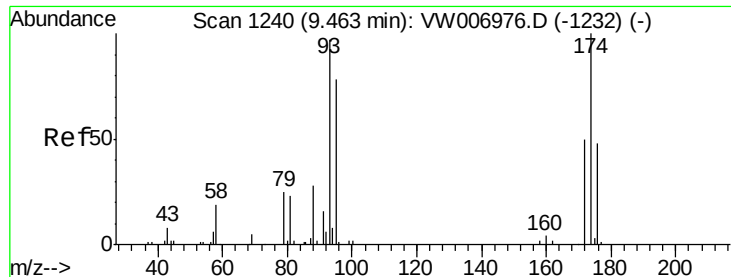
apatel
 11/28/2018 11:47:20 AM



#48
 Methyl methacrylate
 Concen: 22.21 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	12358		
69	82.2		71.4	107.0
39	51.8		44.8	67.2





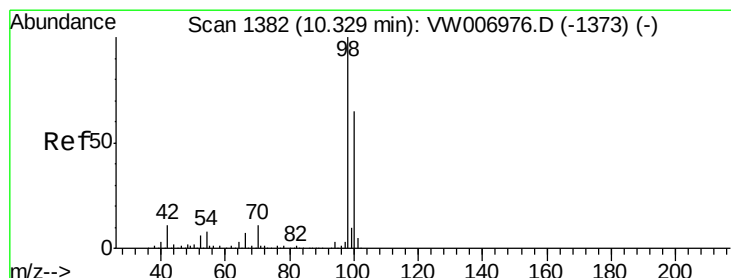
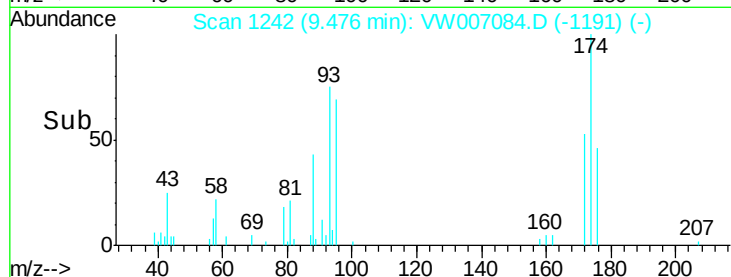
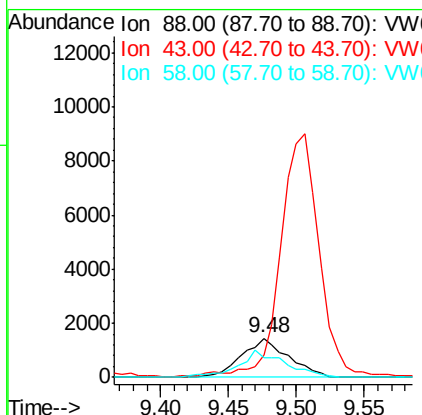
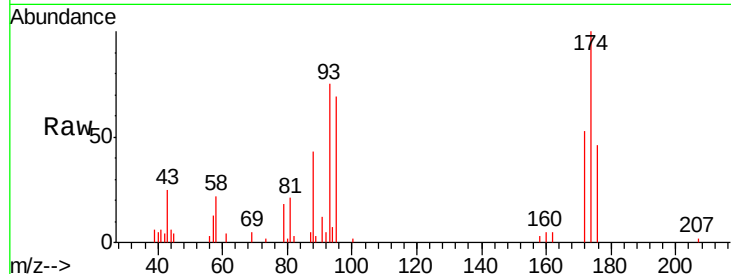
#49
1,4-Dioxane
Concen: 411.85 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.4	59.0	88.6

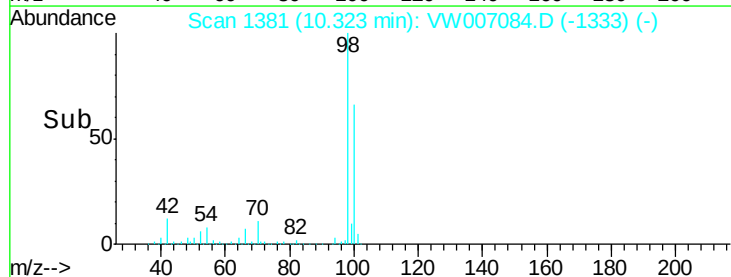
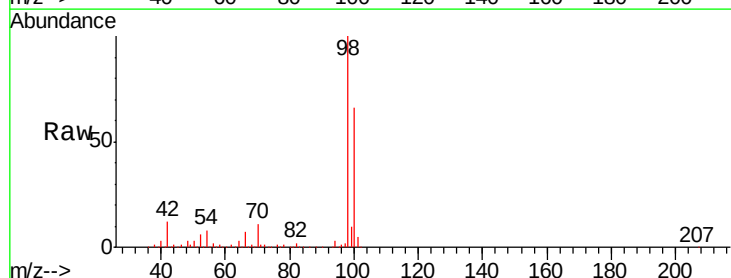
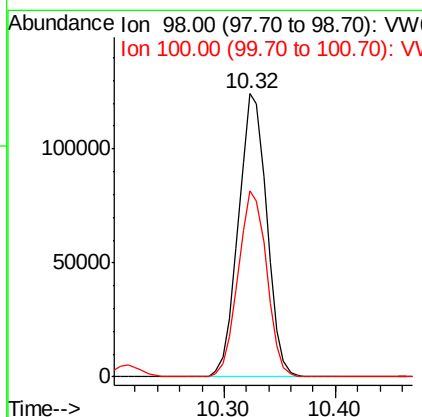
Manual Integrations
APPROVED

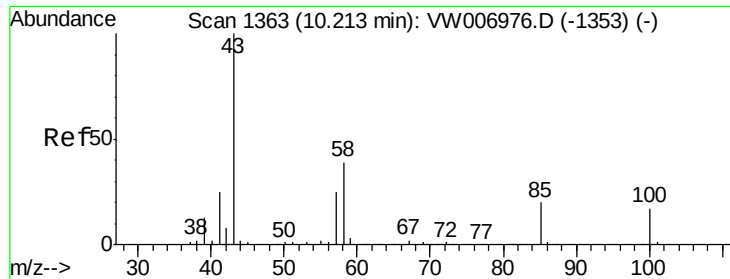
apatel
11/28/2018 11:47:20 AM



#50
Toluene-d8
Concen: 51.45 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.2	78.2





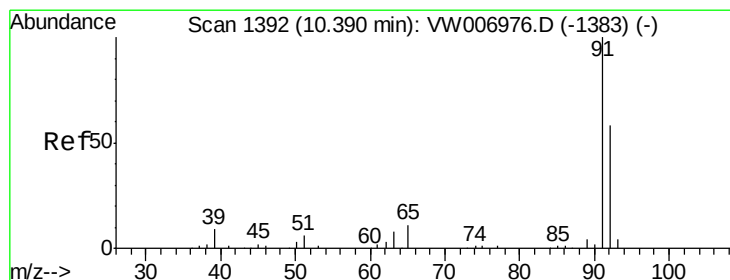
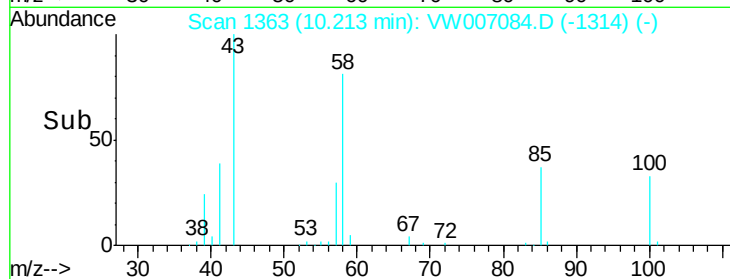
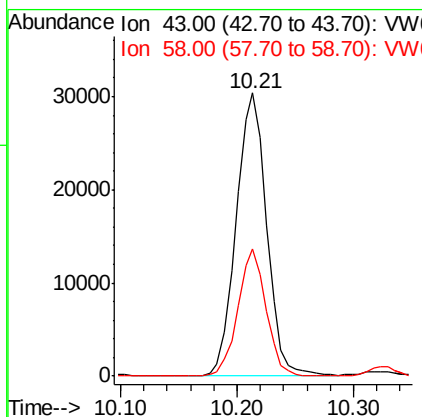
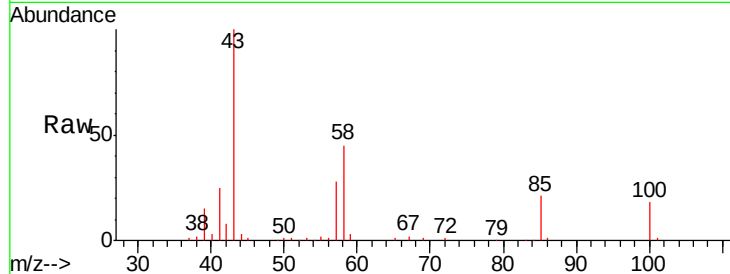
#51
 4-Methyl-2-Pentanone
 Concen: 95.32 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion: 43 Resp: 55591
 Ion Ratio Lower Upper
 43 100
 58 41.3 31.8 47.6

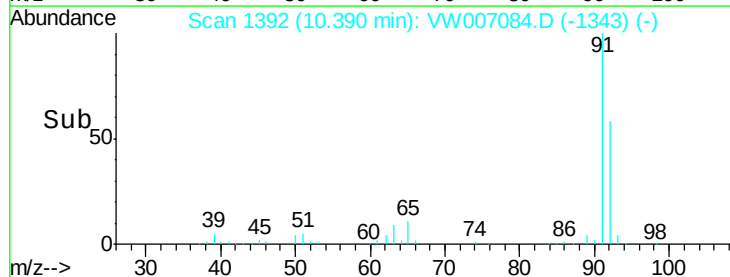
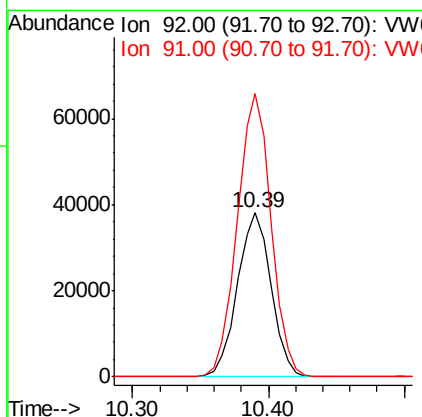
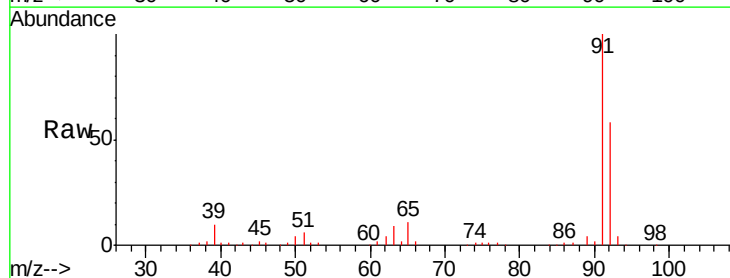
Manual Integrations
 APPROVED

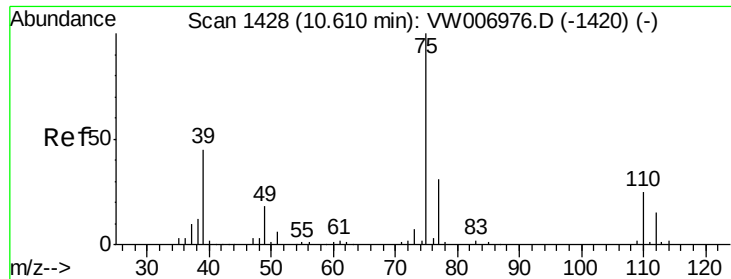
apatel
 11/28/2018 11:47:20 AM



#52
 Toluene
 Concen: 21.38 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 92 Resp: 65649
 Ion Ratio Lower Upper
 92 100
 91 173.6 137.3 205.9





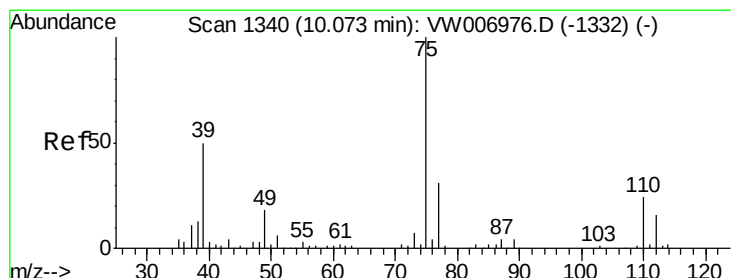
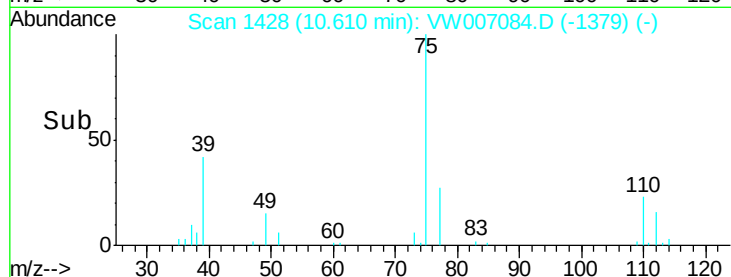
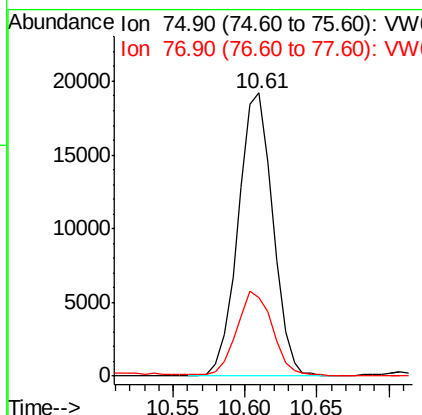
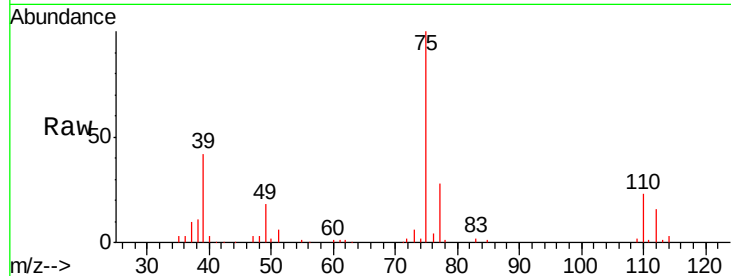
#53
 t-1,3-Dichloropropene
 Concen: 22.60 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion: 75 Resp: 32125
 Ion Ratio Lower Upper
 75 100
 77 27.7 24.7 37.1

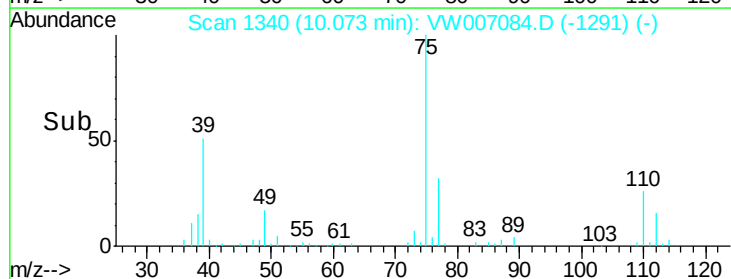
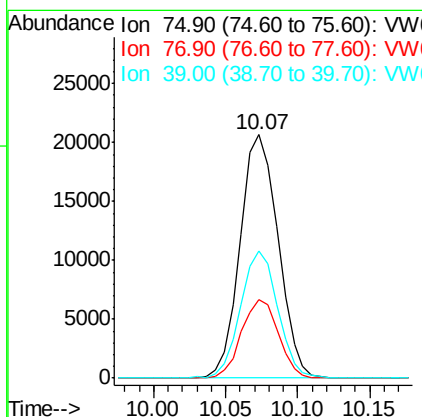
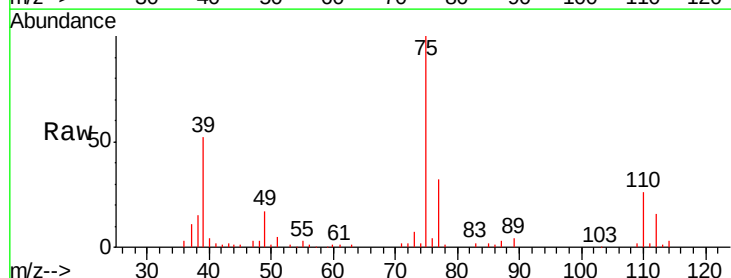
Manual Integrations
 APPROVED

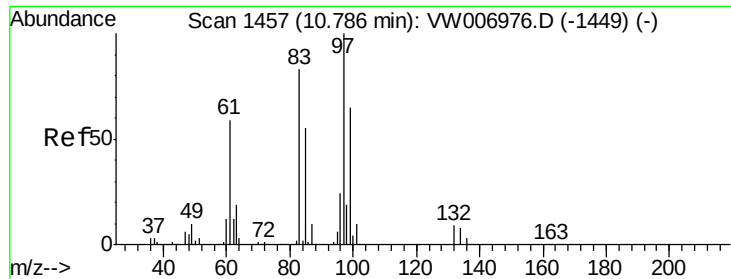
apatel
 11/28/2018 11:47:20 AM



#54
 cis-1,3-Dichloropropene
 Concen: 22.00 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 75 Resp: 37775
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.0 37.6
 39 52.1 39.9 59.9





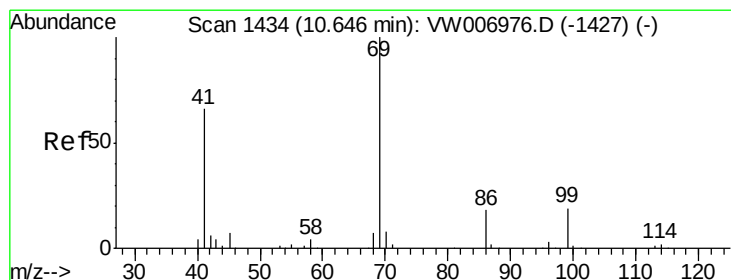
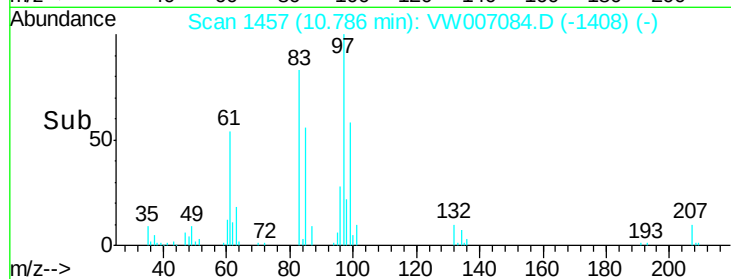
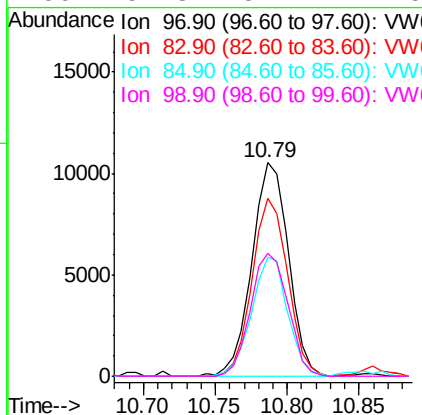
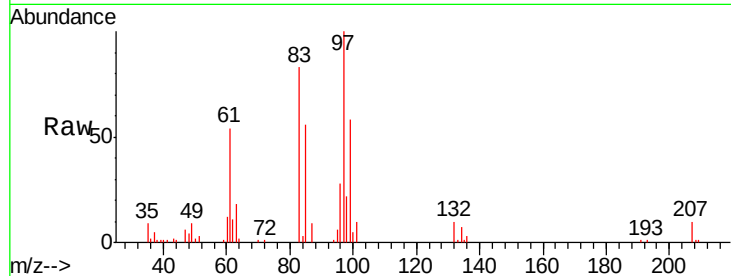
#55
 1,1,2-Trichloroethane
 Concen: 22.54 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.4	99.6
85	55.8	44.1	66.1
99	57.8	51.7	77.5

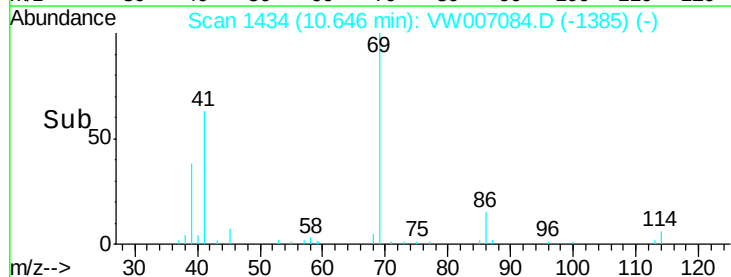
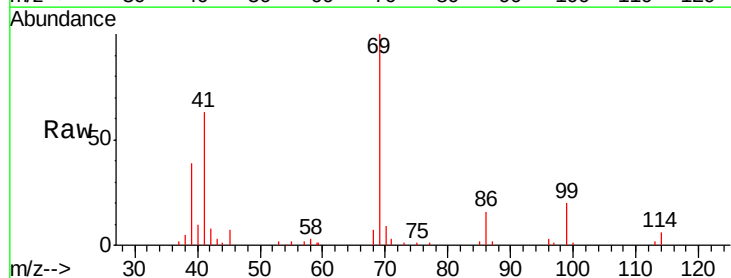
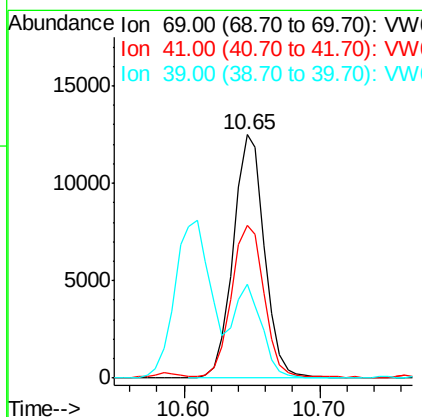
Manual Integrations
 APPROVED

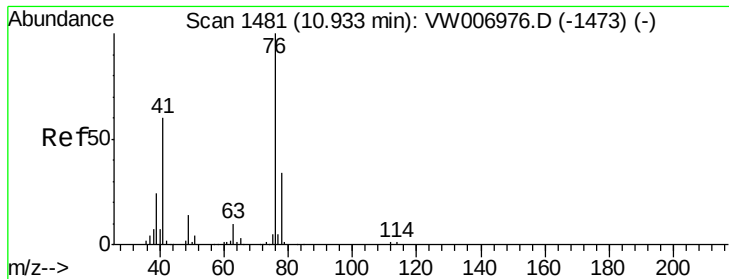
apatel
 11/28/2018 11:47:20 AM



#56
 Ethyl methacrylate
 Concen: 20.92 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.4	80.0
39	35.2	28.2	42.4





#57

1,3-Dichloropropane

Concen: 21.61 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

Tgt Ion: 76 Resp: 29669

Ion Ratio Lower Upper

76 100

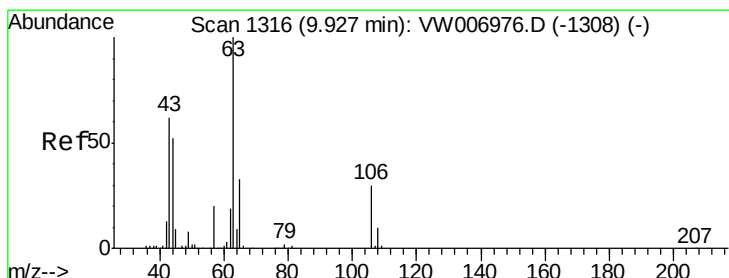
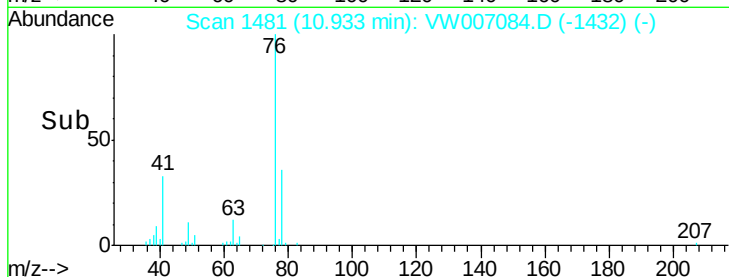
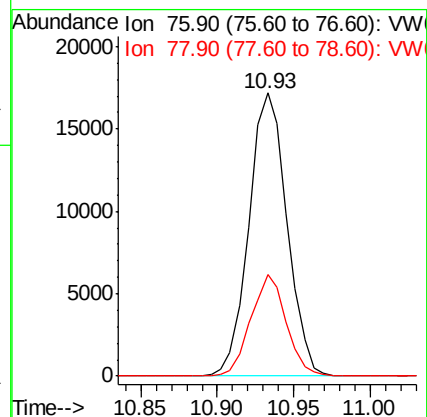
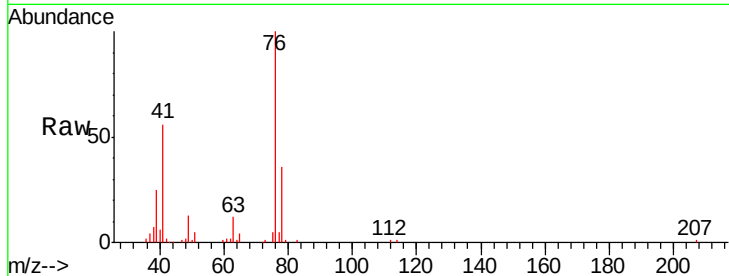
78 33.3 25.8 38.6

Manual Integrations

APPROVED

apatel

11/28/2018 11:47:20 AM



#58

2-Chloroethyl Vinyl ether

Concen: 100.23 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW007084.D

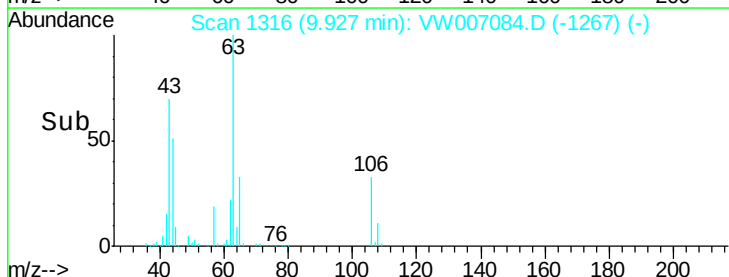
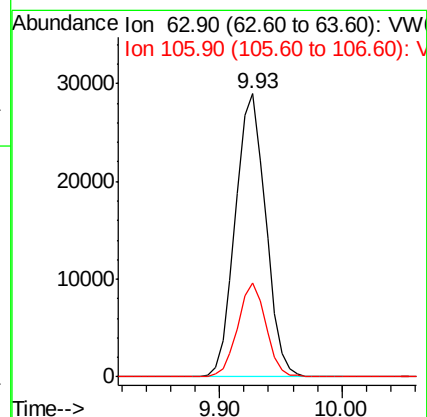
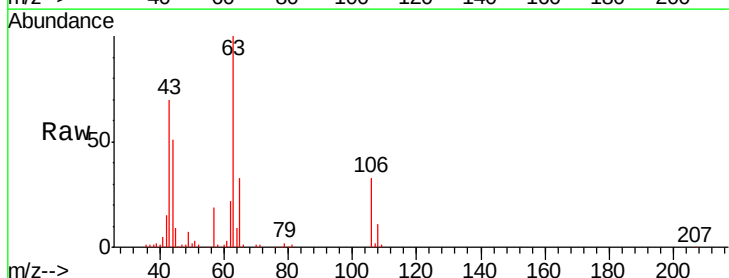
Acq: 27 Nov 2018 13:48

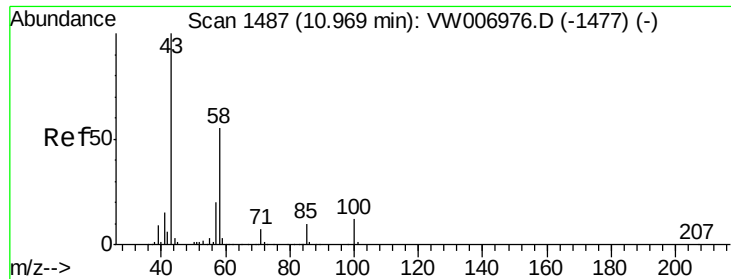
Tgt Ion: 63 Resp: 49813

Ion Ratio Lower Upper

63 100

106 30.9 23.5 35.3





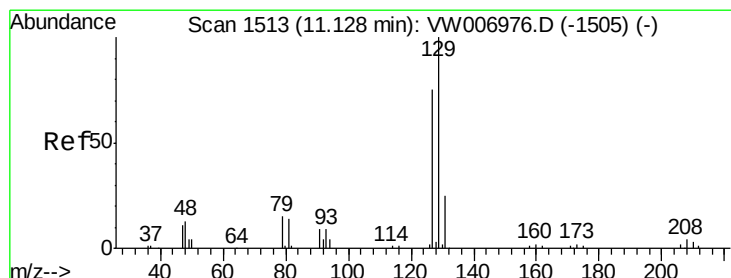
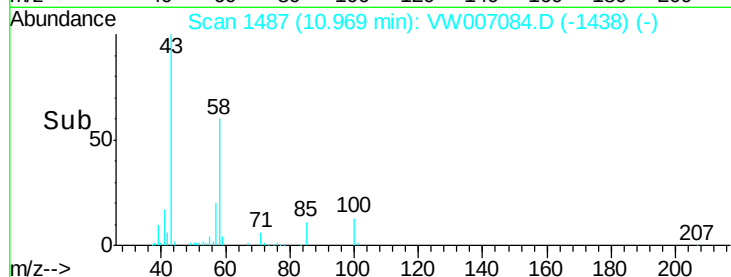
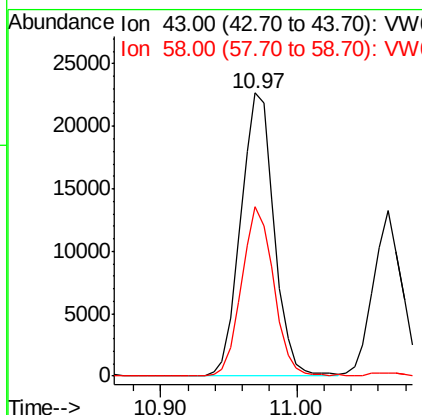
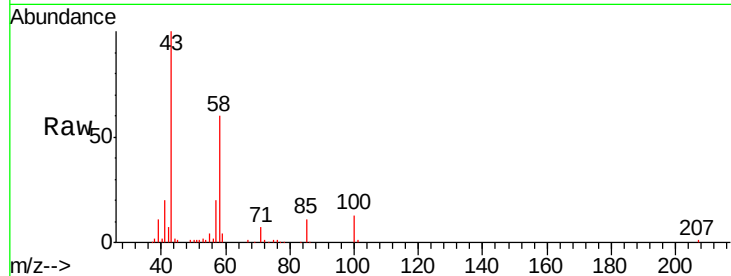
#59
2-Hexanone
Concen: 97.27 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampled :
VW1127SBS01

Tgt Ion: 43 Resp: 38849
Ion Ratio Lower Upper
43 100
58 57.5 27.3 81.8

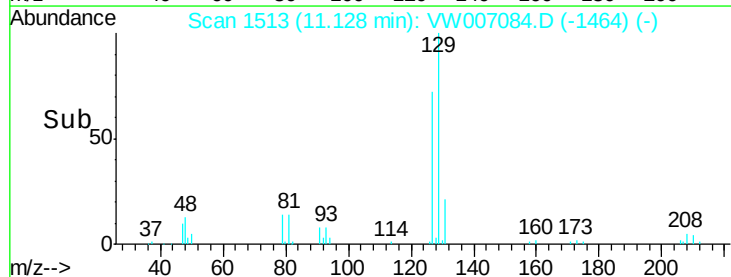
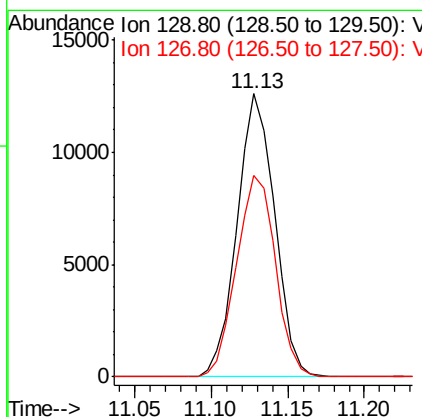
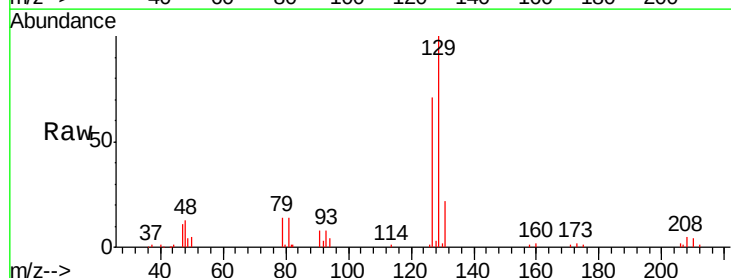
Manual Integrations
APPROVED

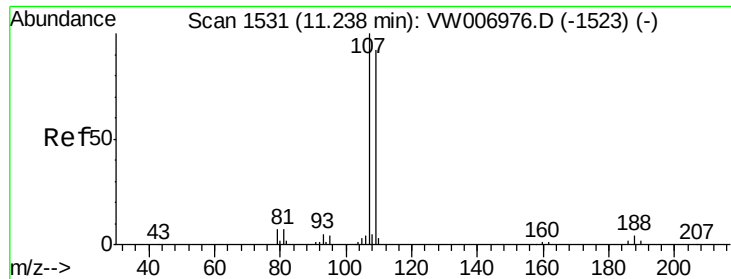
apatel
11/28/2018 11:47:20 AM



#60
Dibromochloromethane
Concen: 23.05 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 129 Resp: 21523
Ion Ratio Lower Upper
129 100
127 73.8 38.3 114.8





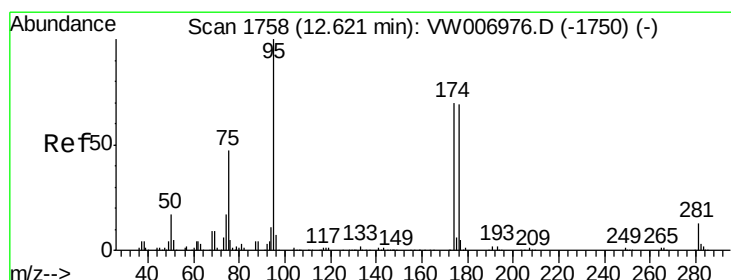
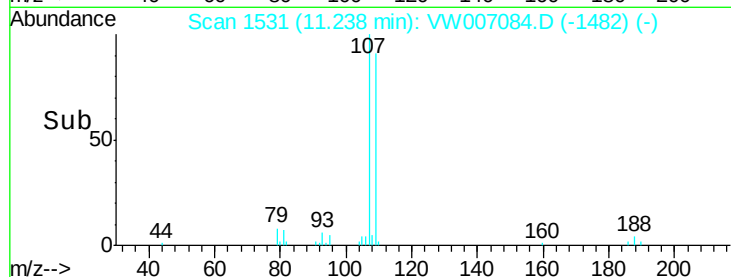
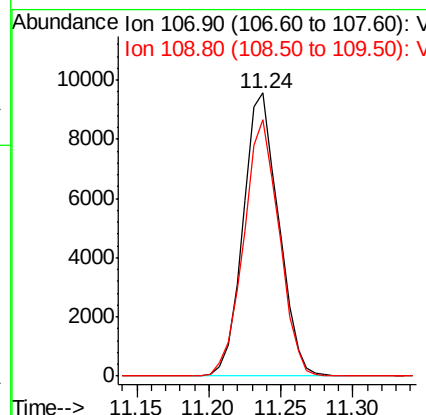
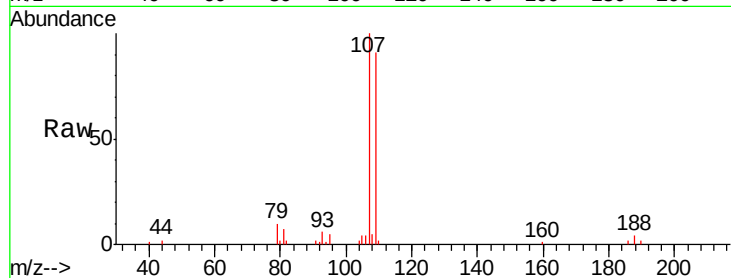
#61
1,2-Dibromoethane
Concen: 21.75 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion: 107 Resp: 16303
Ion Ratio Lower Upper
107 100
109 90.5 75.1 112.7

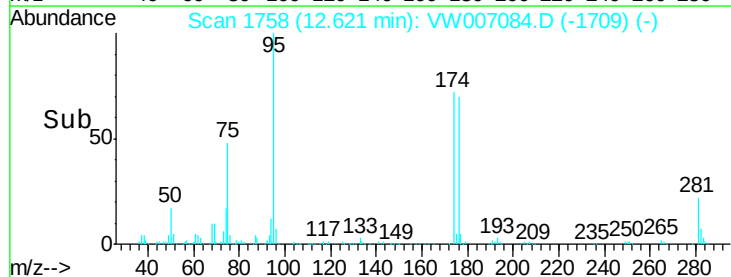
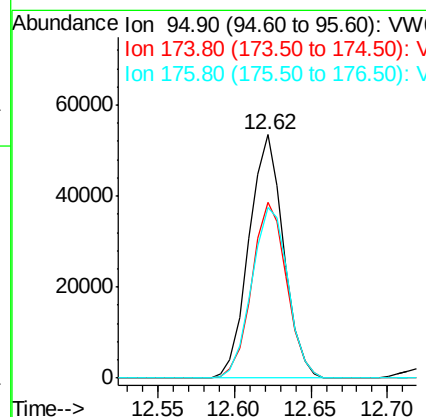
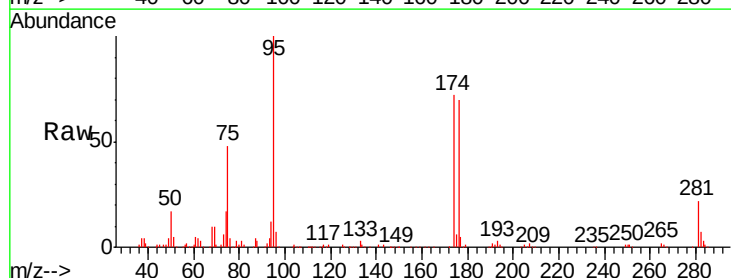
Manual Integrations
APPROVED

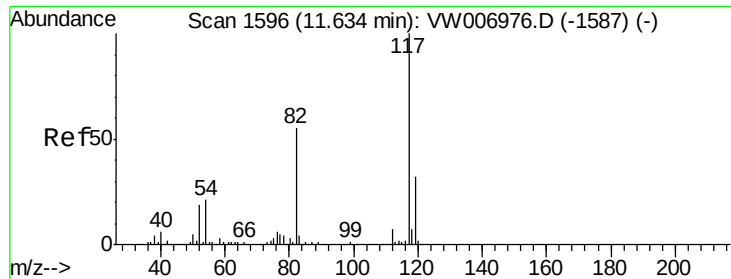
apatel
11/28/2018 11:47:20 AM



#62
4-Bromofluorobenzene
Concen: 50.05 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 95 Resp: 83990
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.6
176 73.8 0.0 140.4





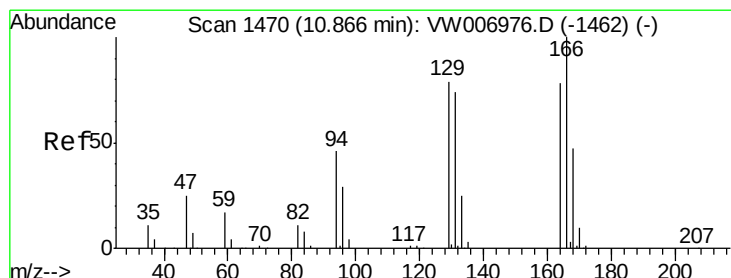
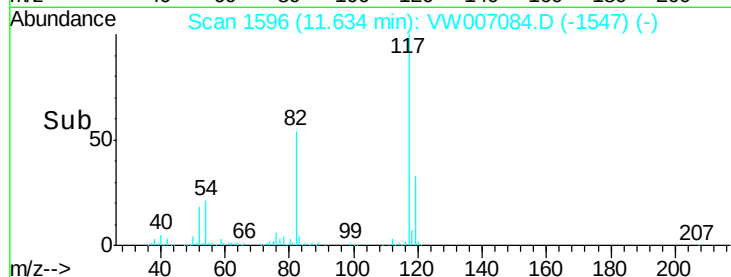
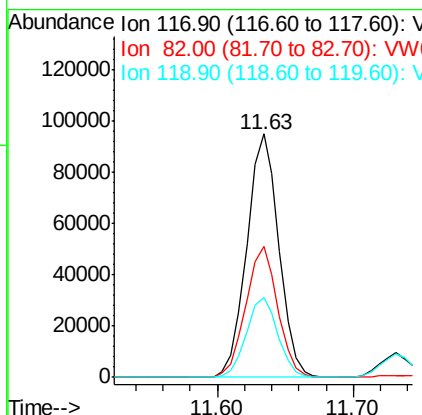
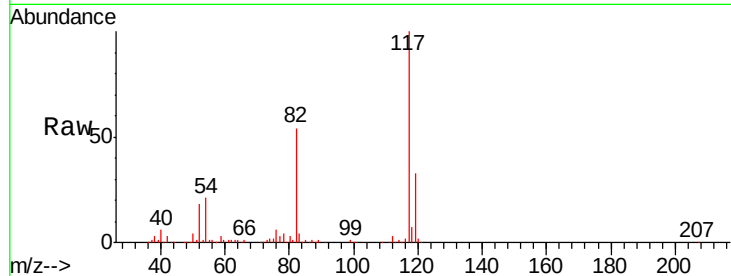
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	156204		
82	53.8	44.2	66.2	
119	32.6	25.9	38.9	

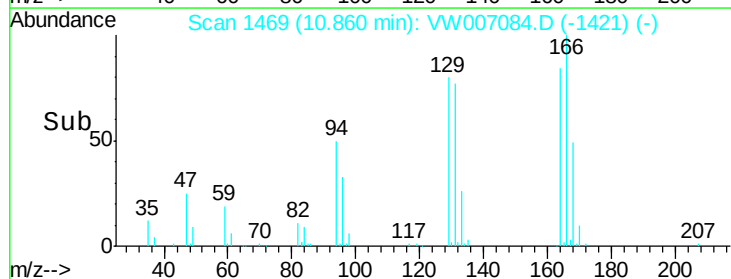
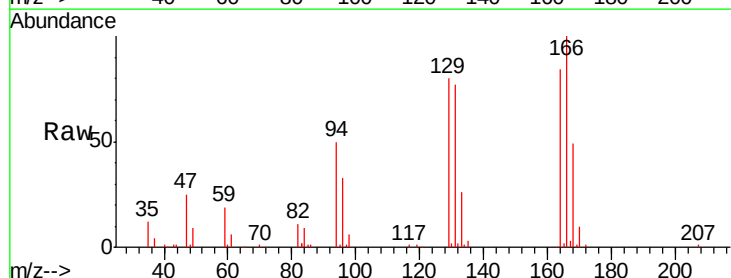
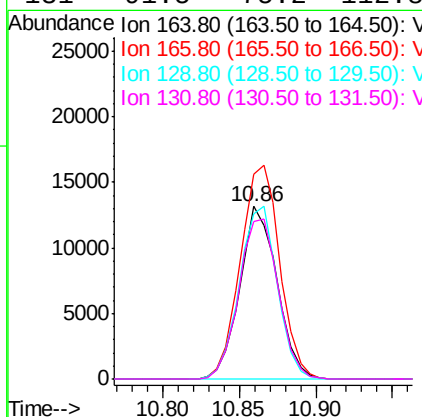
Manual Integrations
APPROVED

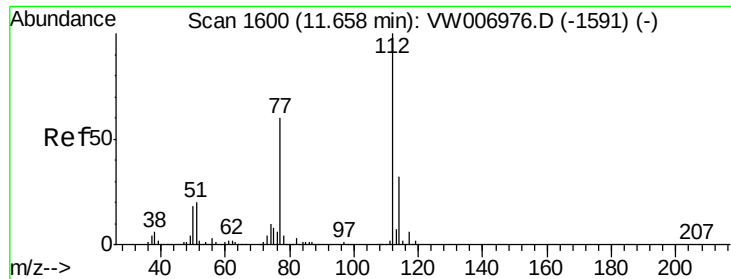
apatel
11/28/2018 11:47:20 AM



#64
Tetrachloroethene
Concen: 22.14 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22248		
166	119.0	102.1	153.1	
129	95.5	80.4	120.6	
131	91.5	75.2	112.8	





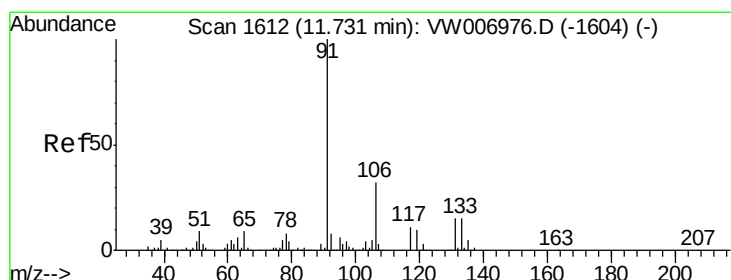
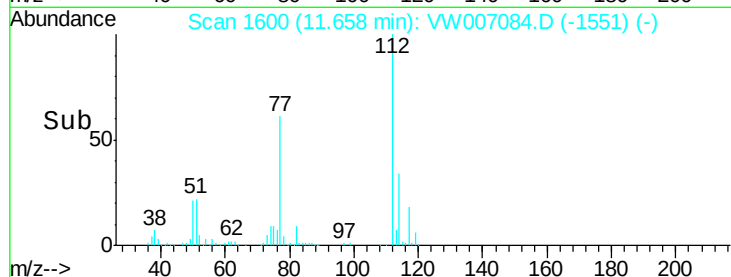
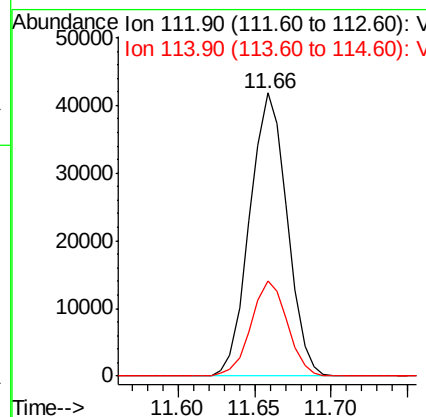
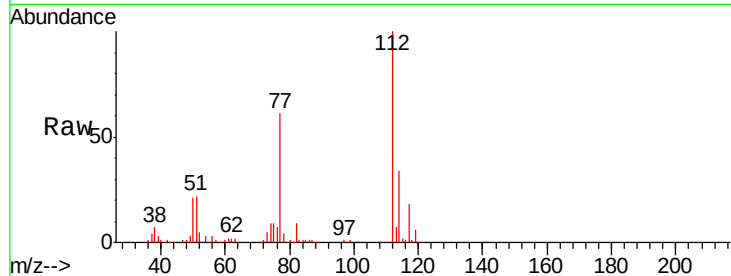
#65
Chlorobenzene
Concen: 21.85 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion:112 Resp: 71236
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8

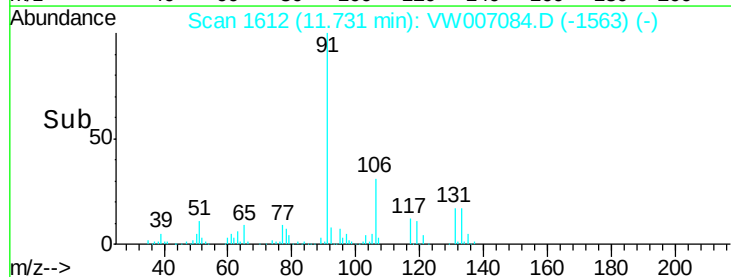
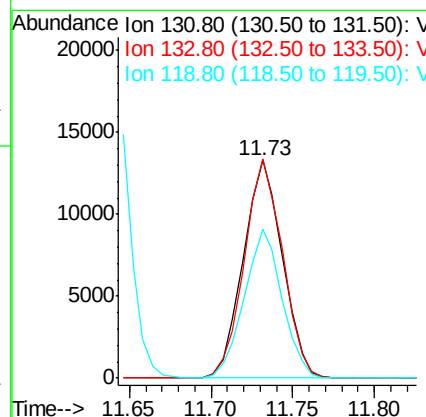
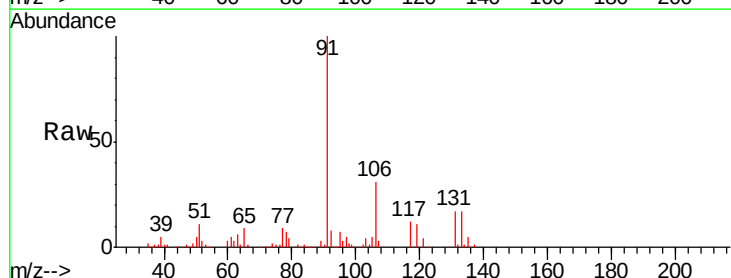
Manual Integrations
APPROVED

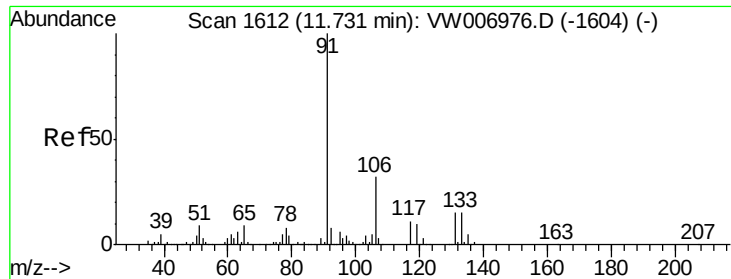
apatel
11/28/2018 11:47:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.55 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion:131 Resp: 22236
Ion Ratio Lower Upper
131 100
133 98.5 47.7 143.1
119 66.4 31.8 95.3





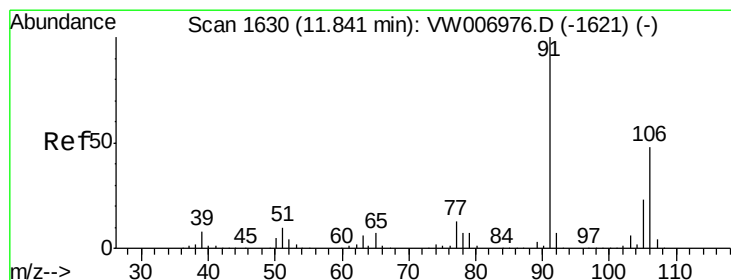
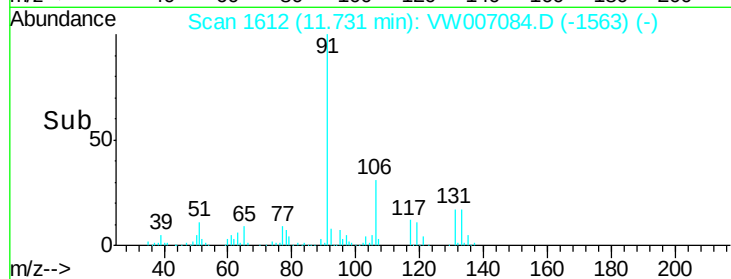
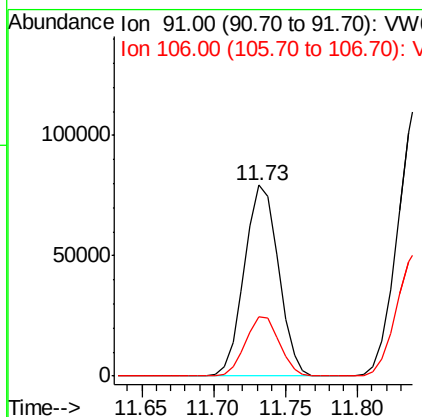
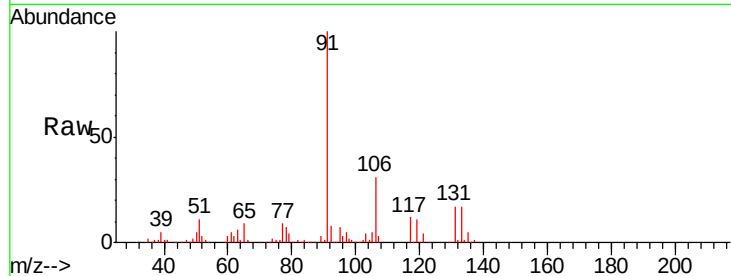
#67
Ethyl Benzene
Concen: 21.79 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampled :
VW1127SBS01

Tgt Ion: 91 Resp: 130503
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2

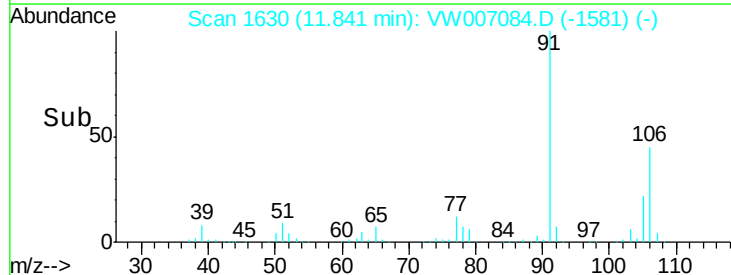
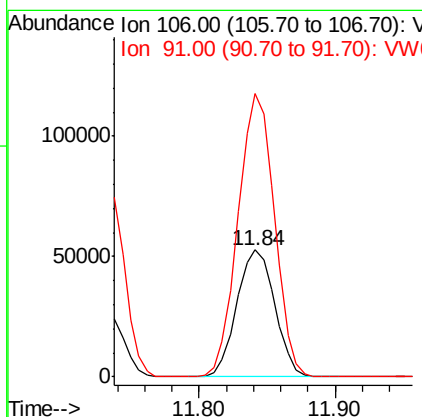
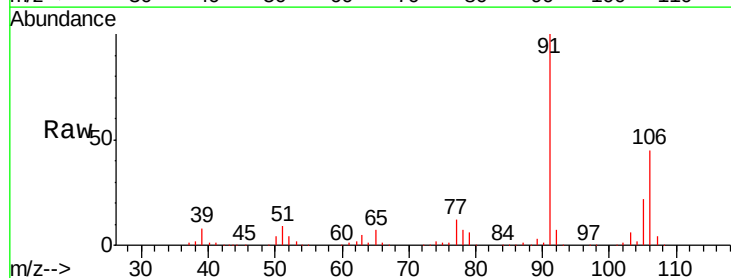
Manual Integrations
APPROVED

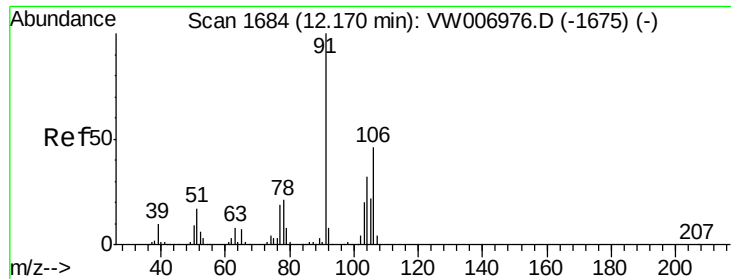
apatel
11/28/2018 11:47:20 AM



#68
m/p-Xylenes
Concen: 43.91 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 106 Resp: 103183
Ion Ratio Lower Upper
106 100
91 214.0 164.8 247.2





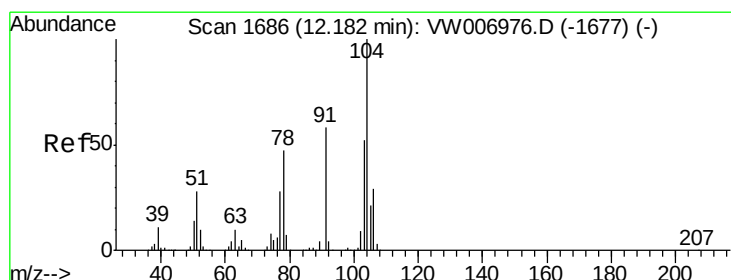
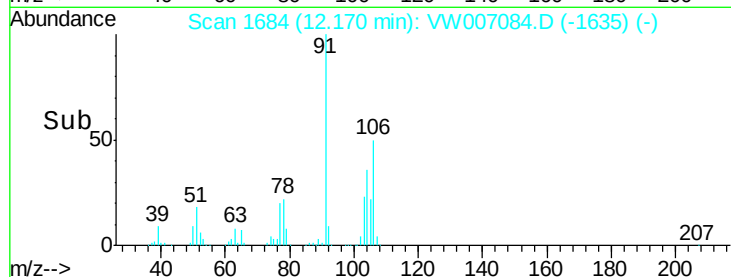
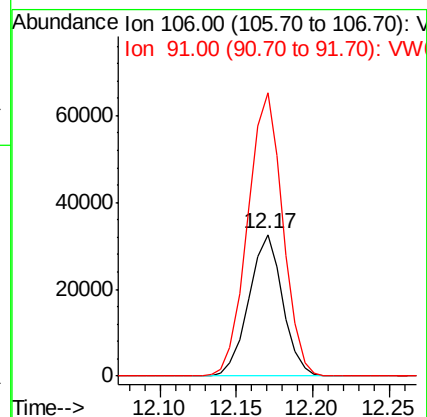
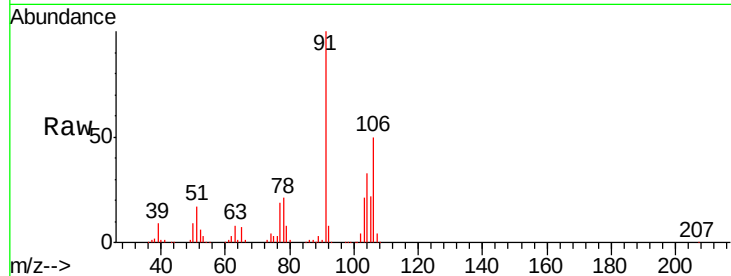
#69
o-Xylene
Concen: 22.51 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion:106 Resp: 49882
Ion Ratio Lower Upper
106 100
91 208.2 107.9 323.8

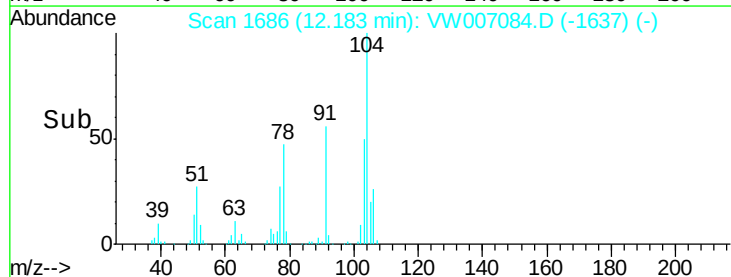
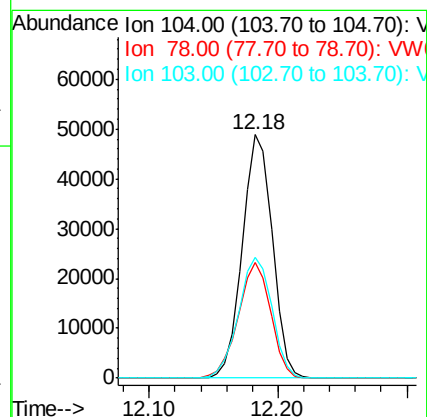
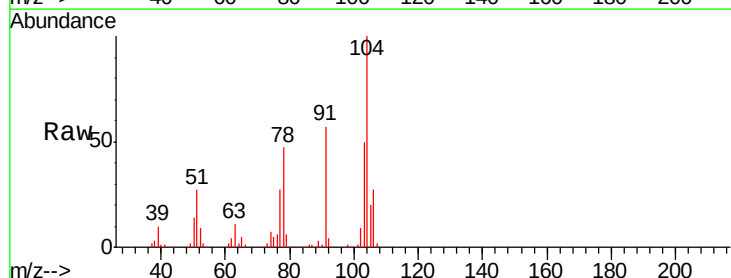
Manual Integrations
APPROVED

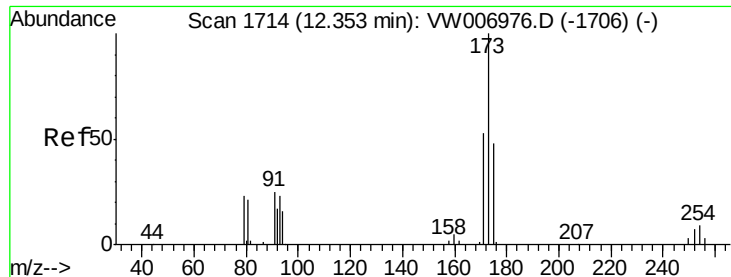
apatel
11/28/2018 11:47:20 AM



#70
Styrene
Concen: 22.33 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion:104 Resp: 78736
Ion Ratio Lower Upper
104 100
78 51.6 41.8 62.8
103 55.3 44.4 66.6





#71

Bromoform

Concen: 22.97 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

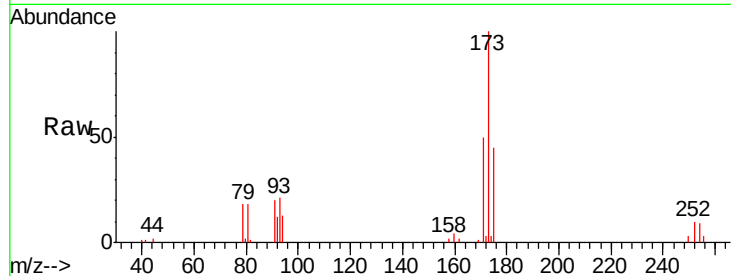
ClientSampleId :

VW1127SBS01

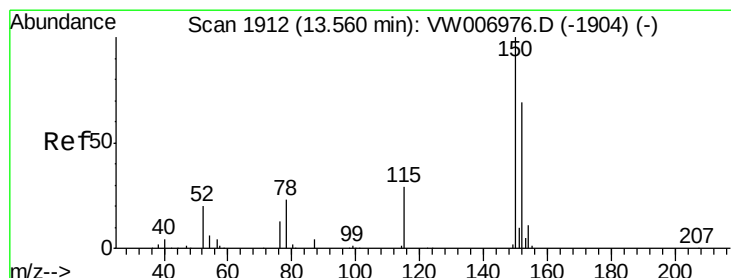
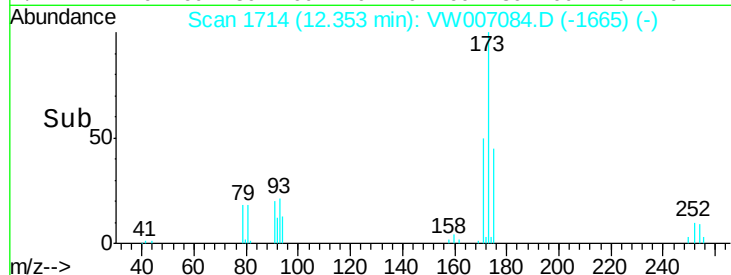
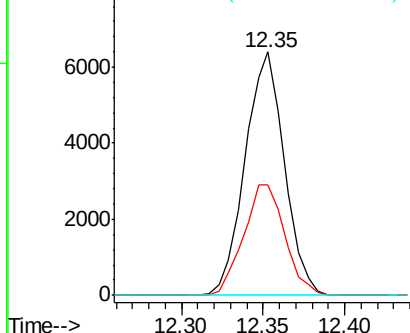
Tgt Ion:	173	Resp:	10674
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

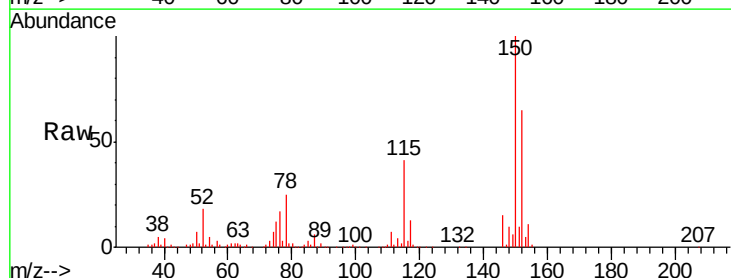
RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

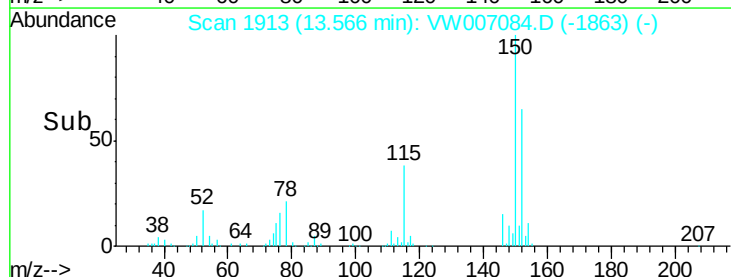
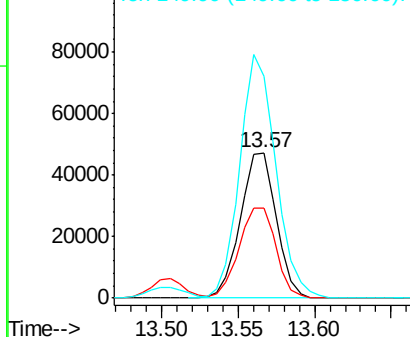
Lab File: VW007084.D

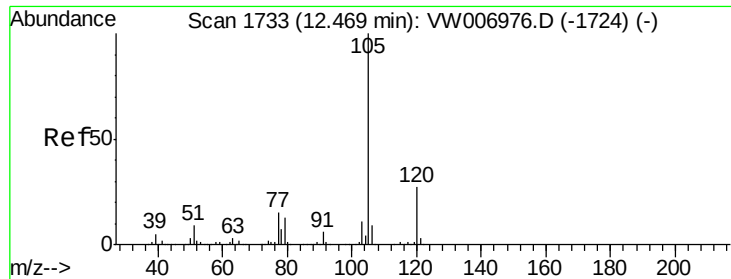
Acq: 27 Nov 2018 13:48

Tgt Ion:	152	Resp:	76773
Ion Ratio	Lower	Upper	
152	100		
115	64.0	31.4	94.2
150	168.8	0.0	353.4



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: 22.18 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

Tgt Ion: 105 Resp: 132335

Ion Ratio Lower Upper

105 100

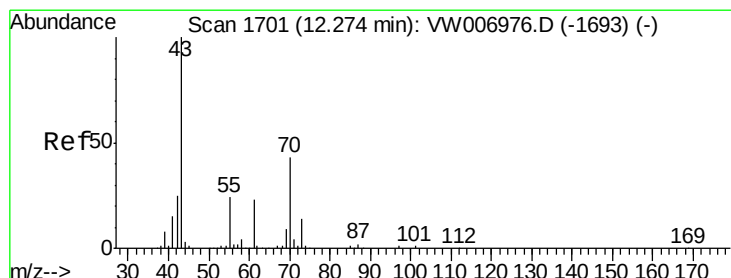
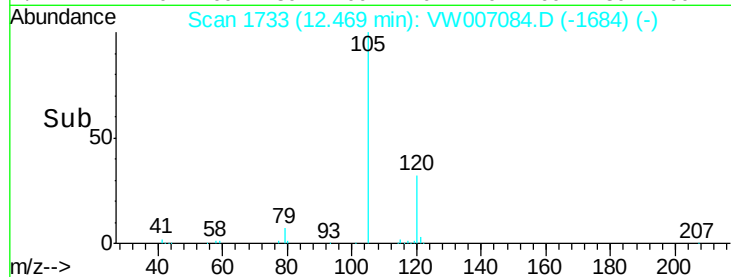
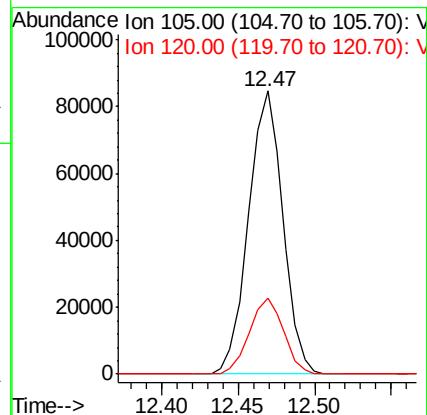
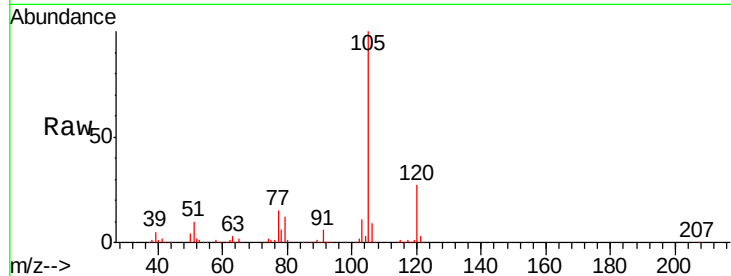
120 26.8 13.3 39.8

Manual Integrations

APPROVED

apatel

11/28/2018 11:47:20 AM



#74

N-ethyl acetate

Concen: 21.94 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Tgt Ion: 43 Resp: 21938

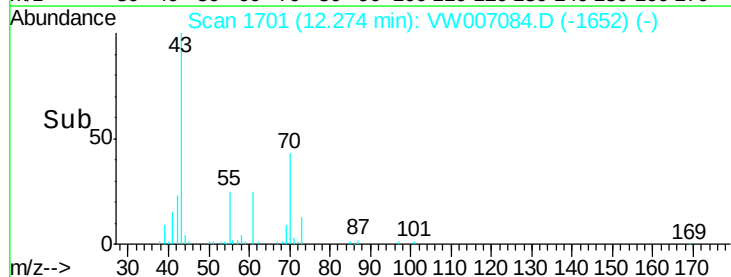
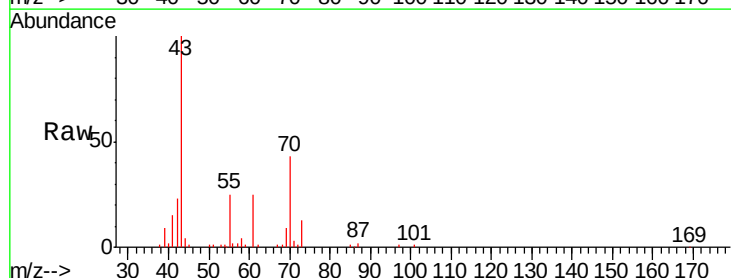
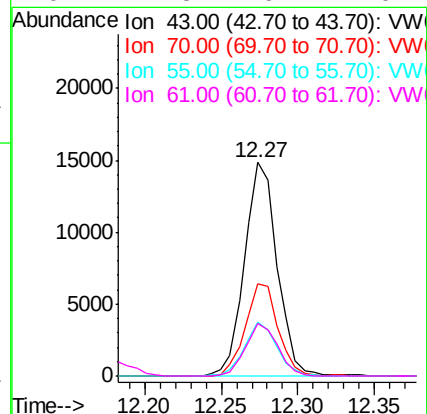
Ion Ratio Lower Upper

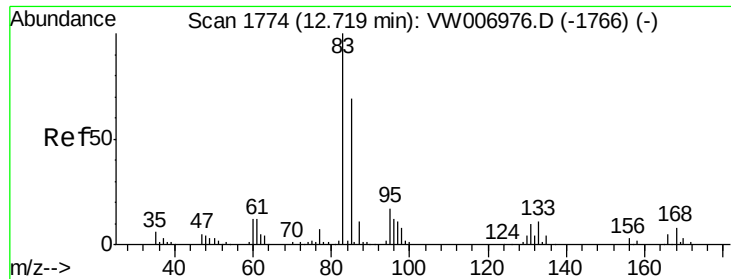
43 100

70 43.4 34.0 51.0

55 25.1 19.4 29.0

61 24.3 19.4 29.2





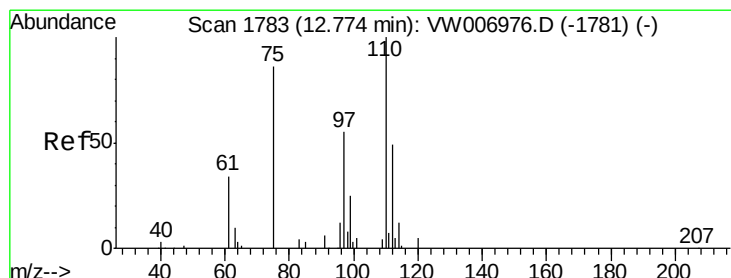
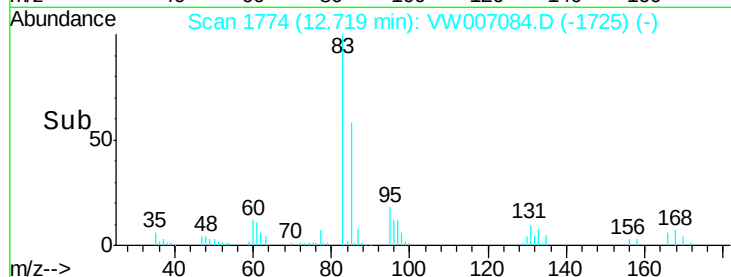
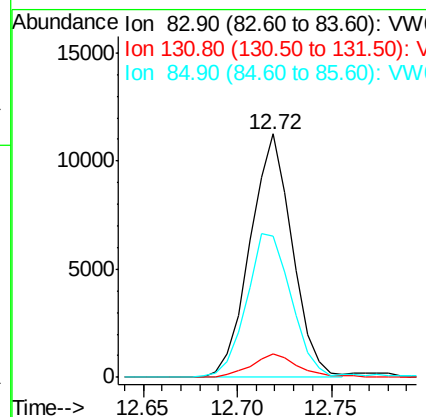
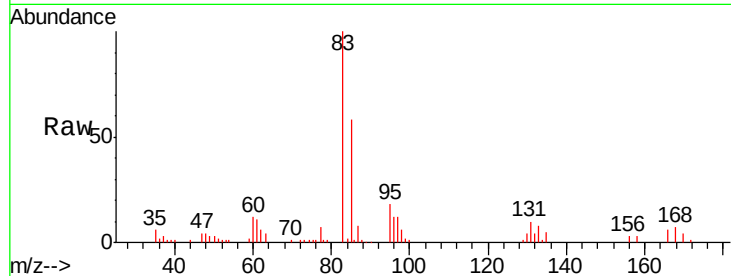
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.94 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.7	17.1
85	64.0	33.1	99.2

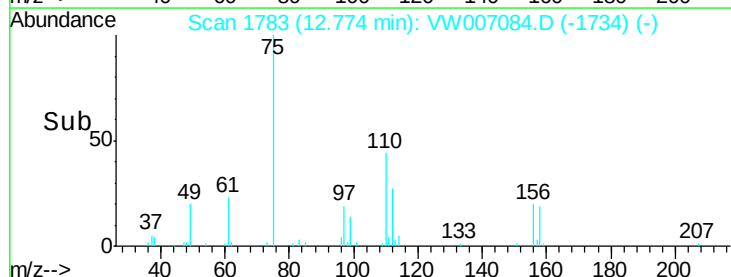
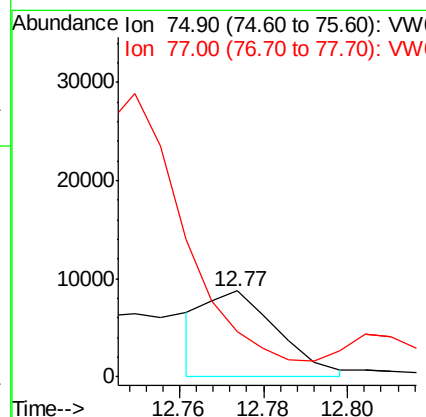
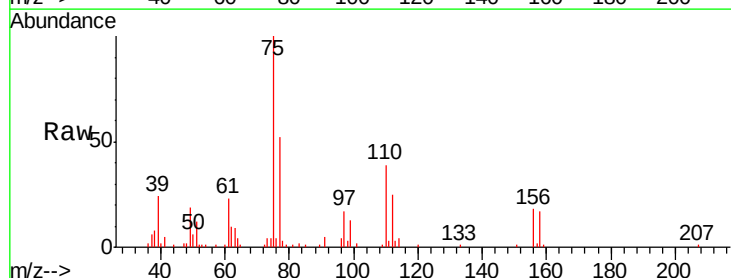
Manual Integrations
 APPROVED

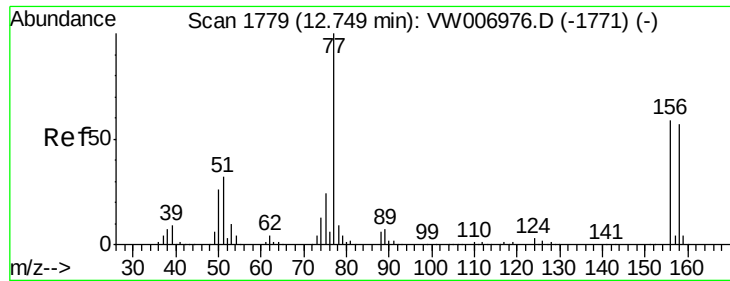
apatel
 11/28/2018 11:47:20 AM



#76
 1,2,3-Trichloropropane
 Concen: 17.55 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.78 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

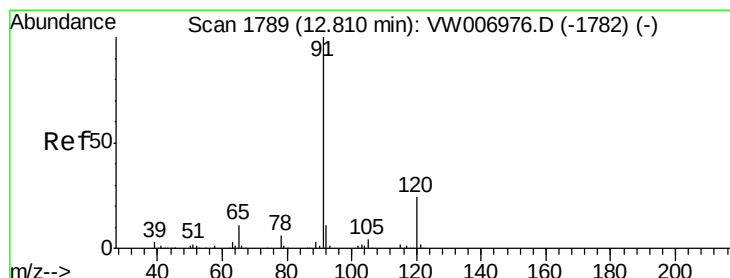
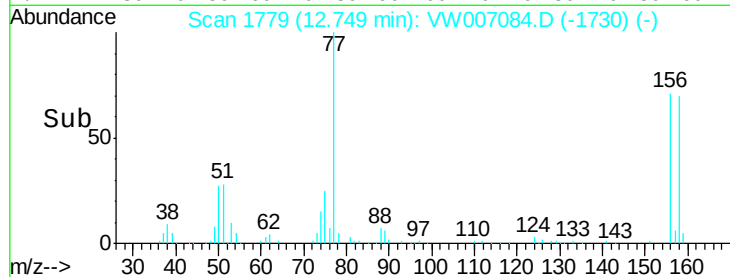
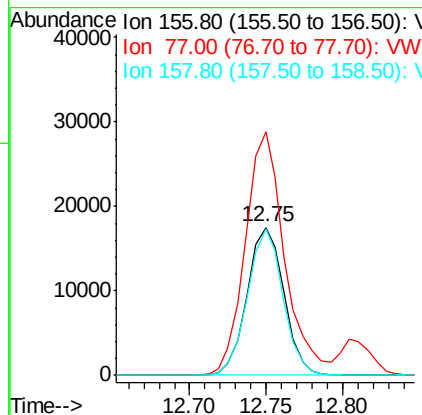
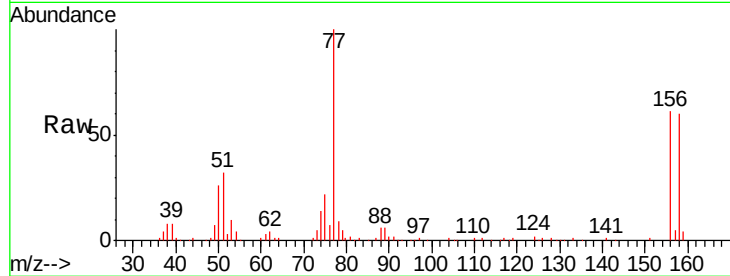
ClientSampleId :

VW1127SBS01

Tgt Ion:	156	Resp:	29195
Ion Ratio	Lower	Upper	
156	100		
77	176.4	94.6	283.8
158	95.7	48.9	146.7

Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM



#78

n-propylbenzene

Concen: 22.28 ug/l

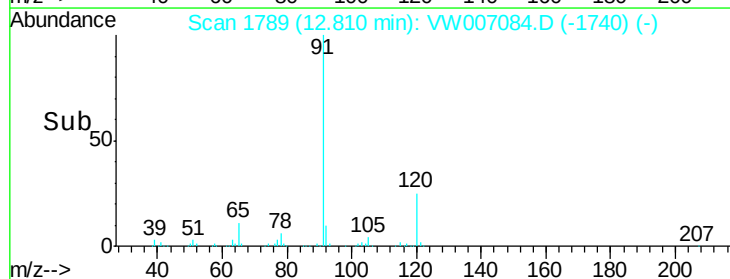
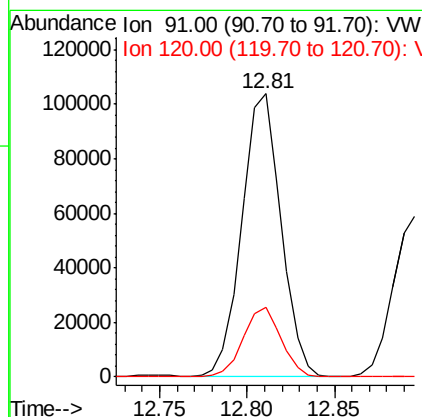
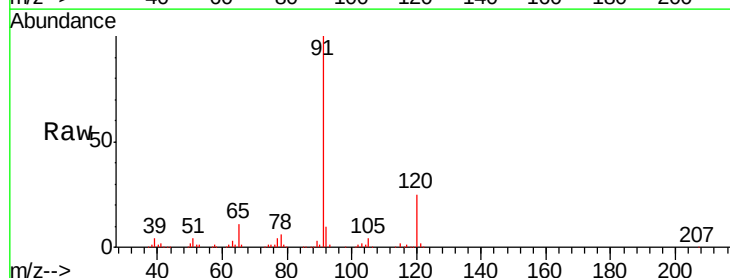
RT: 12.81 min Scan# 1789

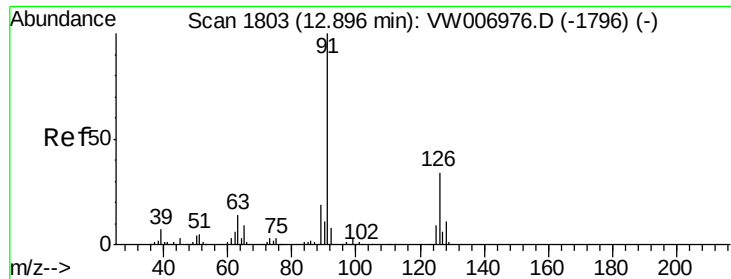
Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Tgt Ion:	91	Resp:	161004
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.7	35.1





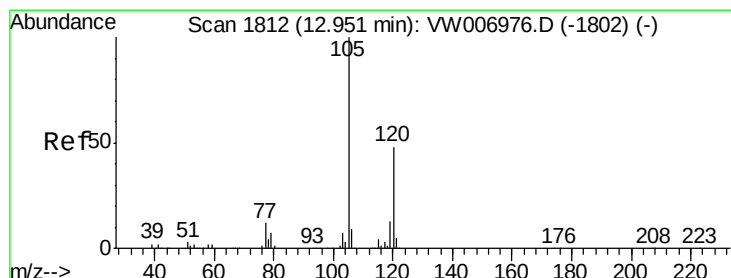
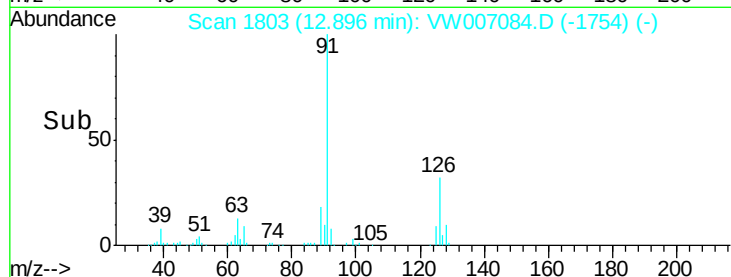
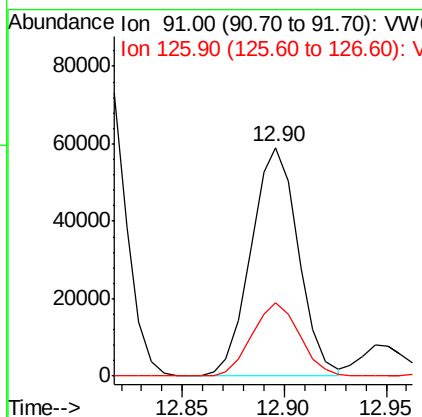
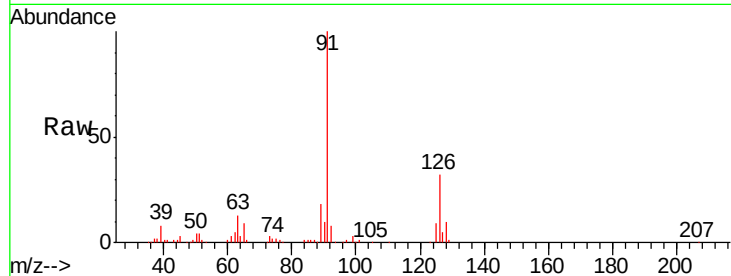
#79
 2-Chlorotoluene
 Concen: 22.85 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion: 91 Resp: 95222
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.7 50.0

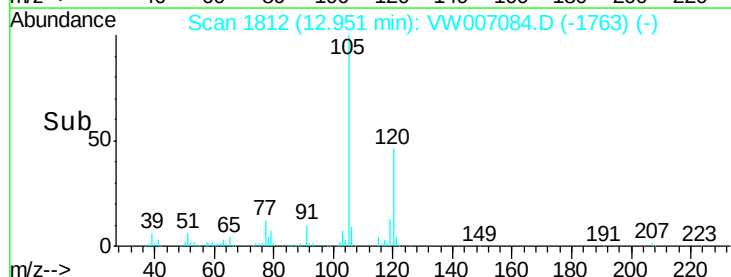
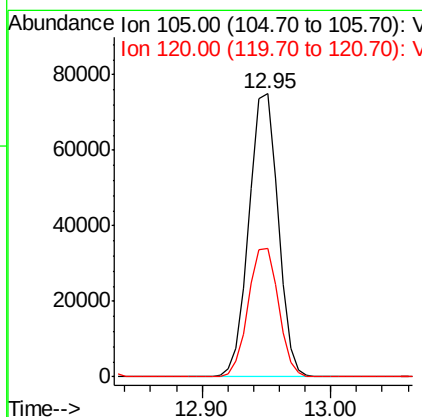
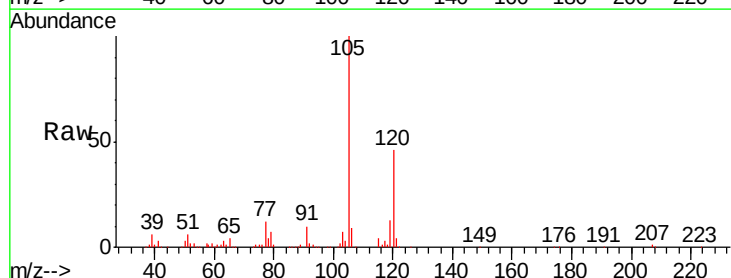
Manual Integrations
 APPROVED

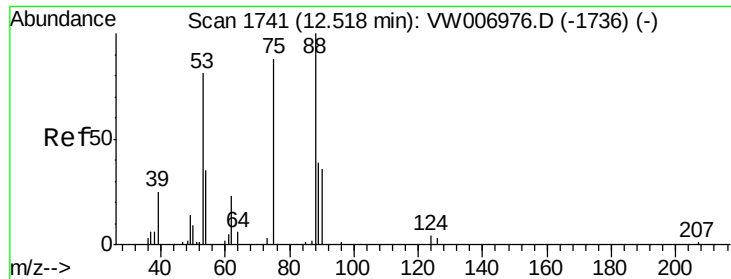
apatel
 11/28/2018 11:47:20 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.69 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 105 Resp: 117054
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.8 71.2





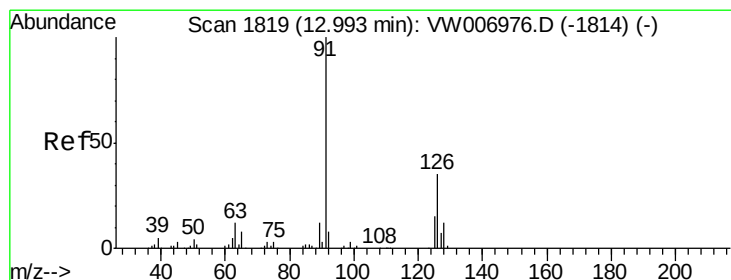
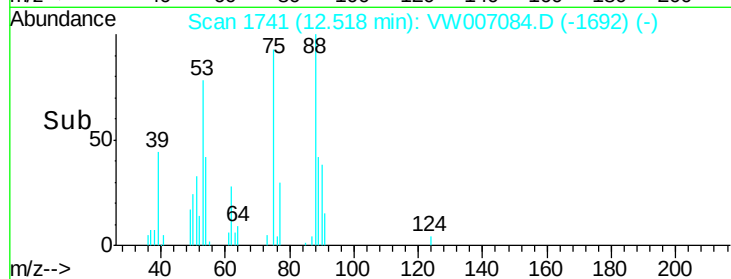
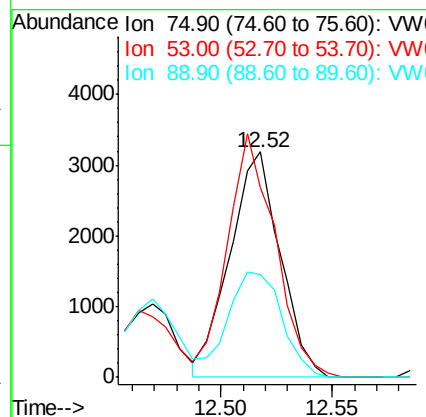
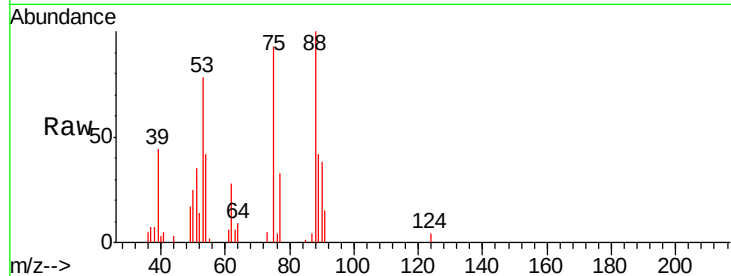
#81
trans-1,4-Dichloro-2-butene
Concen: 20.92 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	102.3	77.6	116.4
89	50.4	39.3	58.9

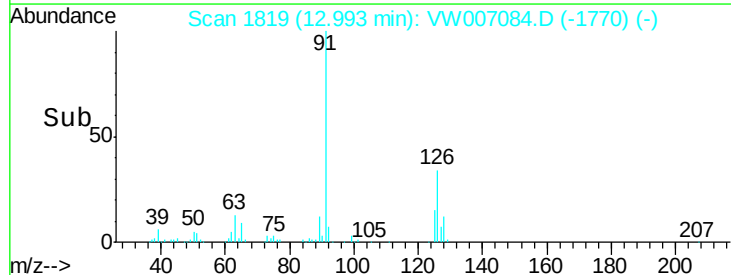
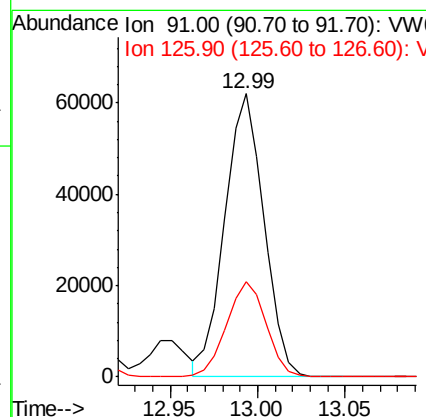
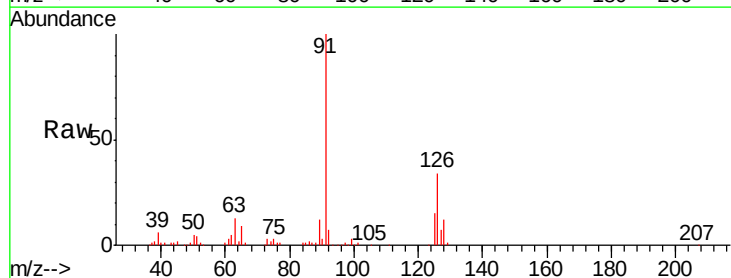
Manual Integrations
APPROVED

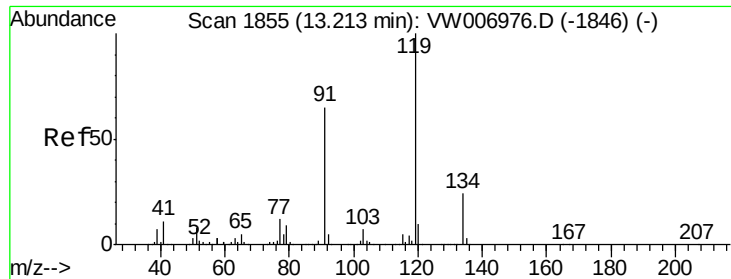
apatel
11/28/2018 11:47:20 AM



#82
4-Chlorotoluene
Concen: 22.05 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.6	49.7





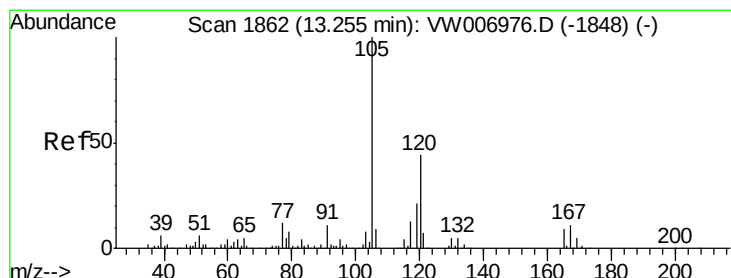
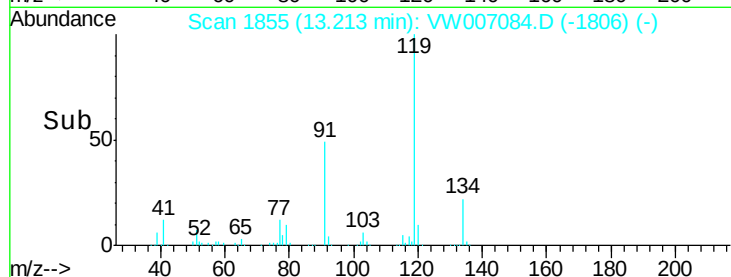
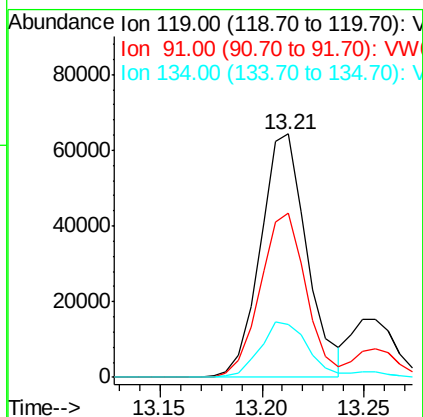
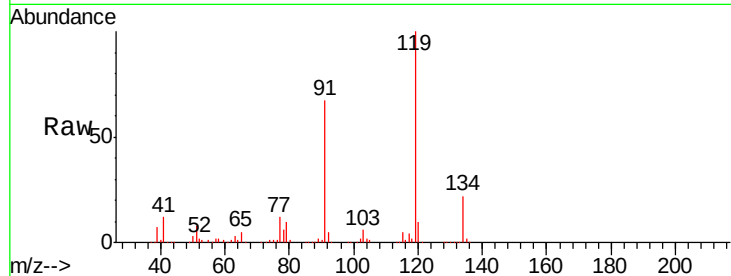
#83
 tert-Butylbenzene
 Concen: 22.89 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	102271		
91	66.5	33.5	100.5	
134	23.5	12.6	37.8	

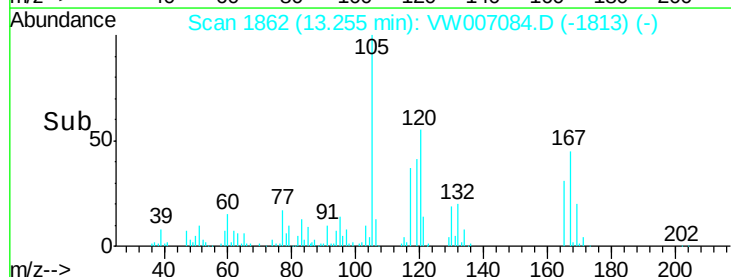
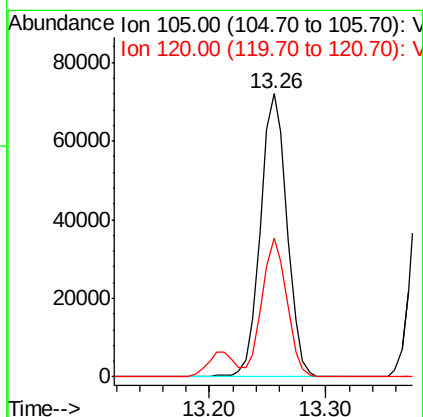
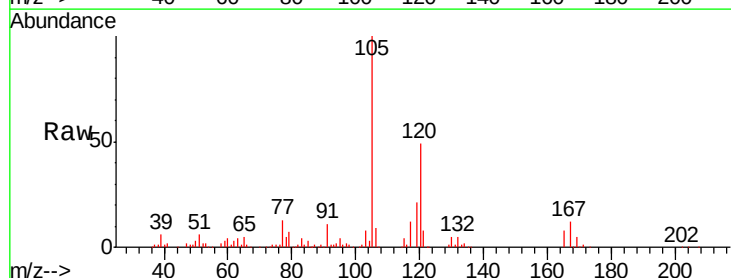
Manual Integrations
 APPROVED

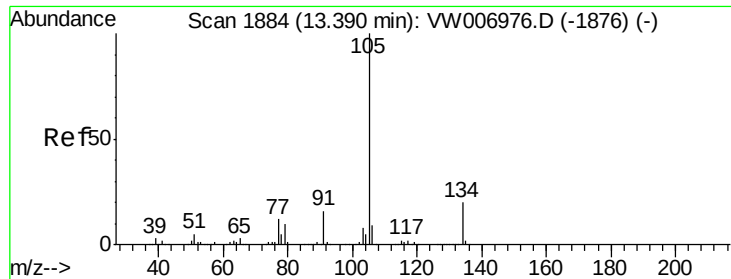
apatel
 11/28/2018 11:47:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.11 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	113672		
120	46.4	21.8	65.3	





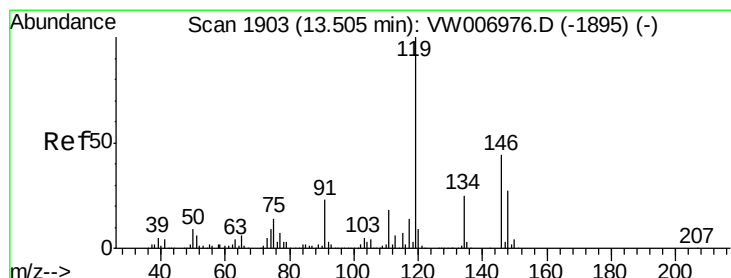
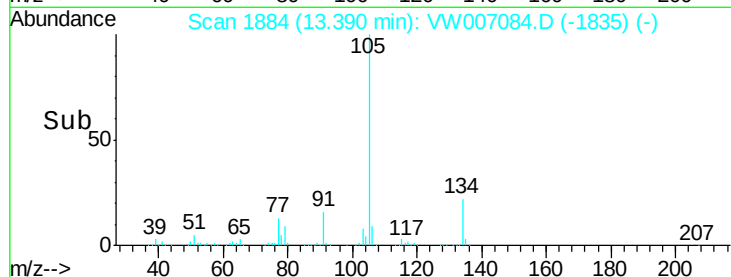
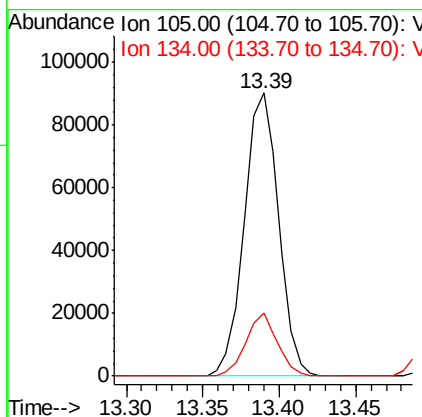
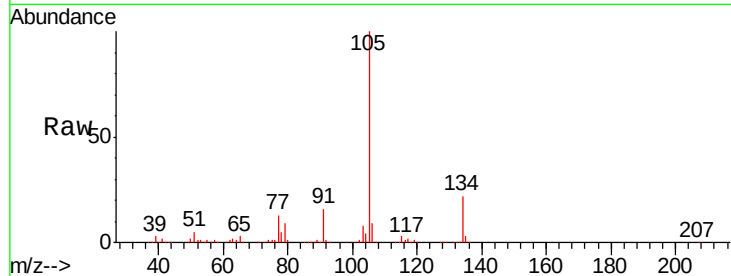
#85
 sec-Butylbenzene
 Concen: 22.31 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion:105 Resp: 140768
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.8 29.3

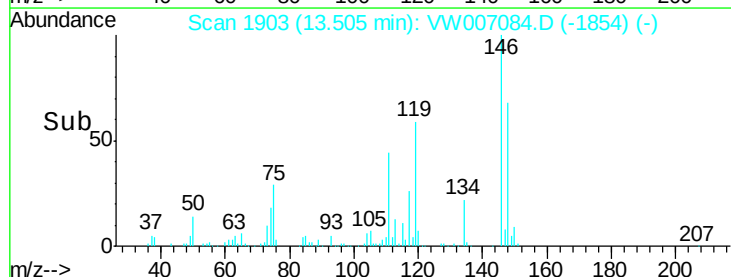
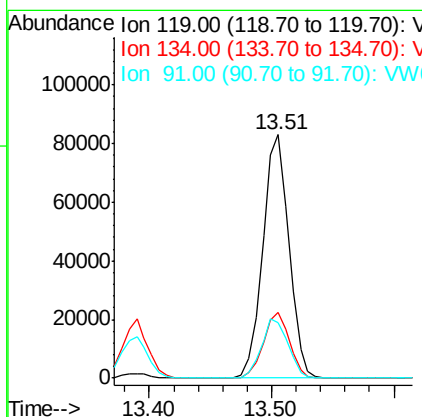
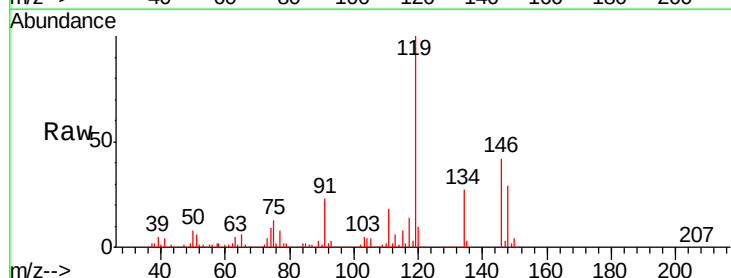
Manual Integrations
 APPROVED

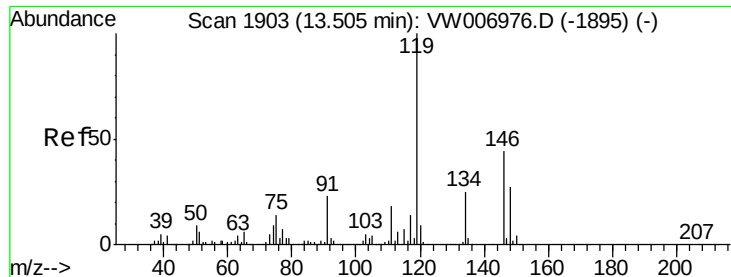
apatel
 11/28/2018 11:47:20 AM



#86
 p-Isopropyltoluene
 Concen: 22.21 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion:119 Resp: 123669
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.8 38.3
 91 24.9 12.2 36.6





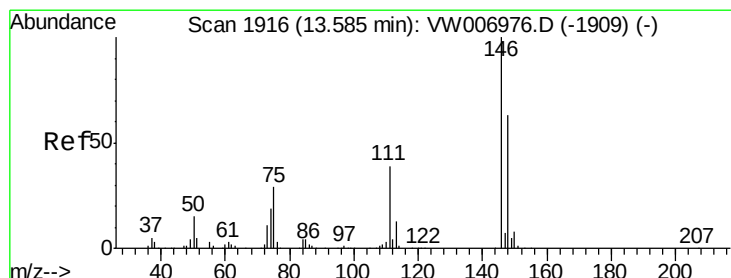
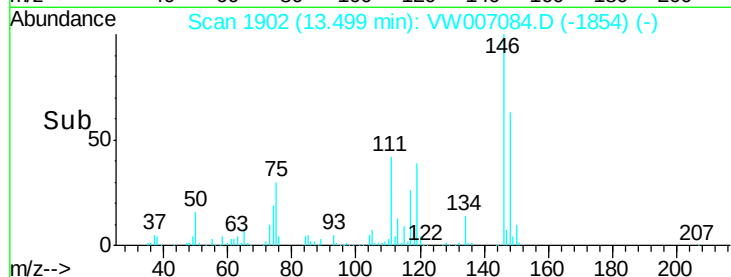
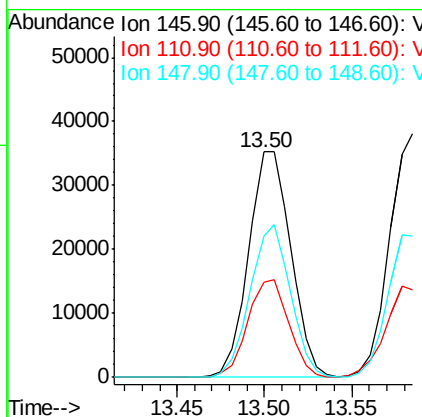
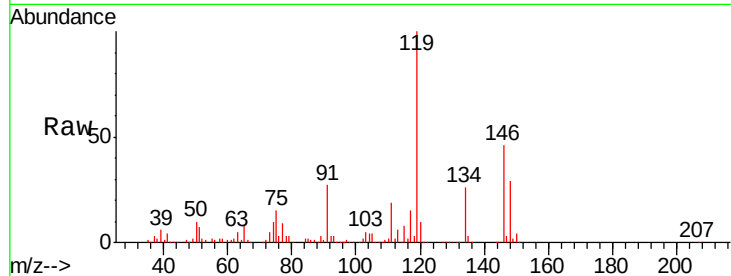
#87
 1,3-Dichlorobenzene
 Concen: 22.65 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.3
148	64.5	31.6	94.8

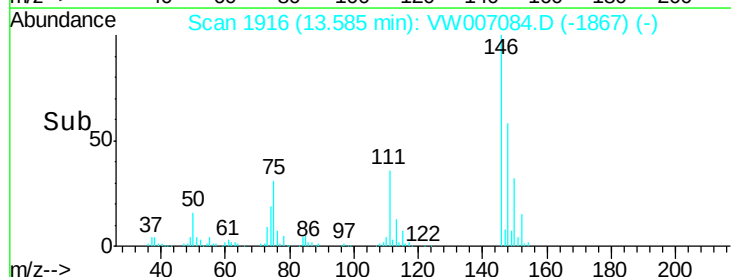
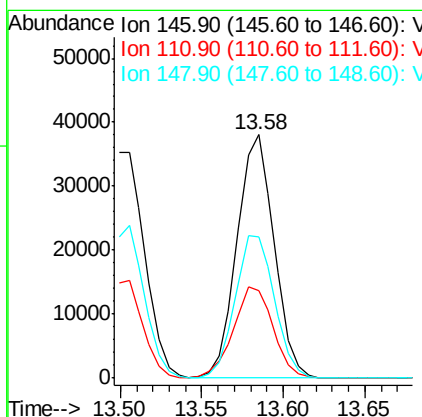
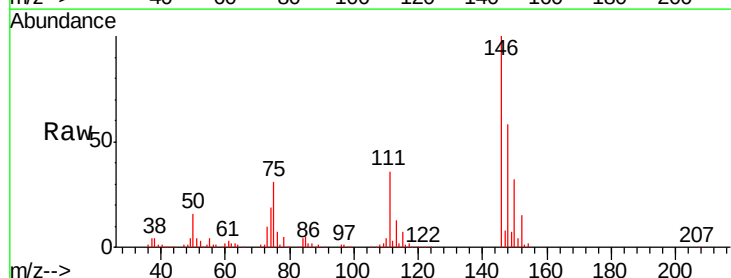
Manual Integrations
 APPROVED

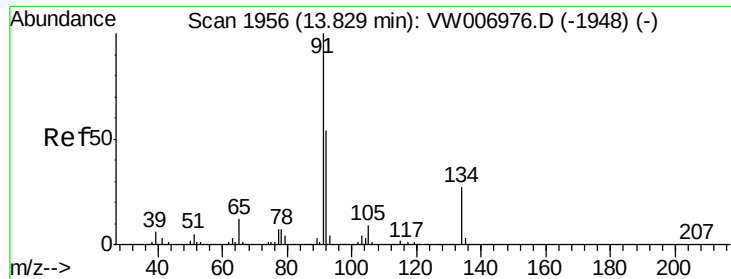
apatel
 11/28/2018 11:47:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 23.14 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	62.0	32.3	96.8





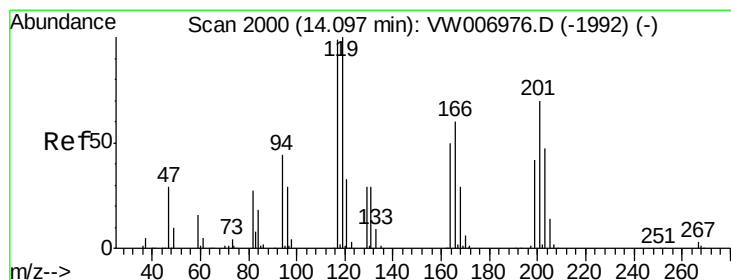
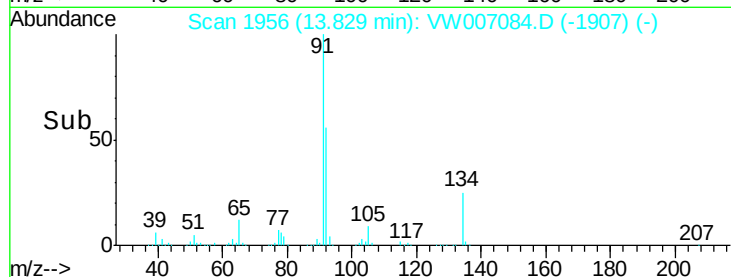
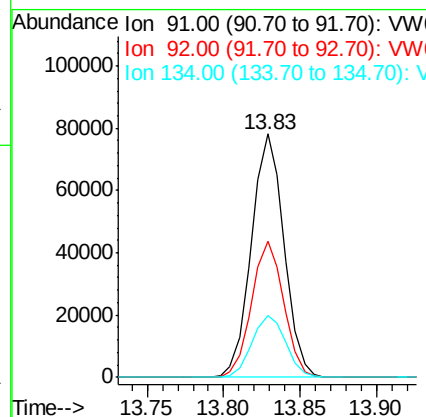
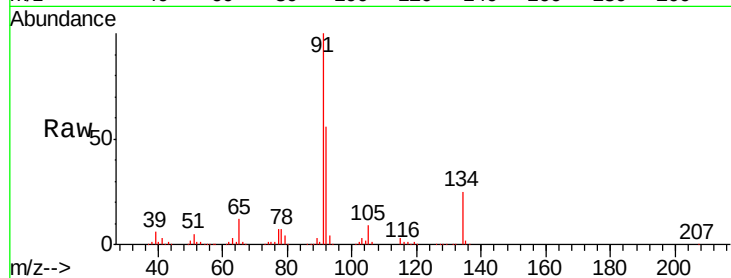
#89
n-Butylbenzene
Concen: 22.05 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	26.8	80.4
134	26.4	13.3	39.8

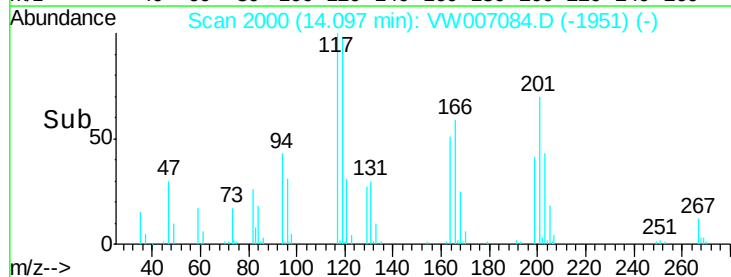
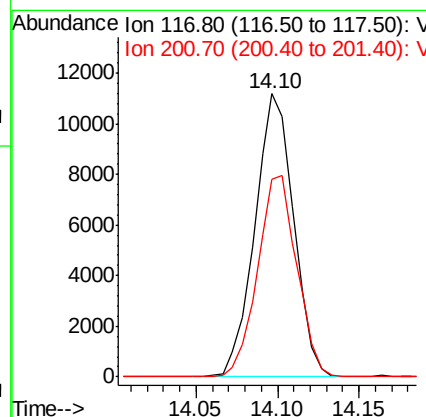
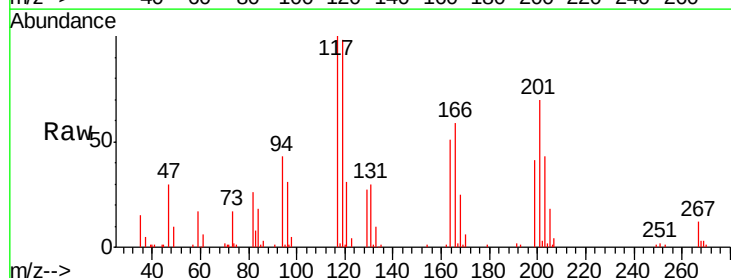
Manual Integrations
APPROVED

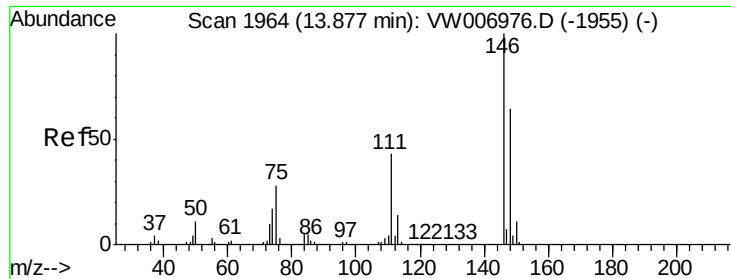
apatel
11/28/2018 11:47:20 AM



#90
Hexachloroethane
Concen: 22.74 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	35.9	107.5





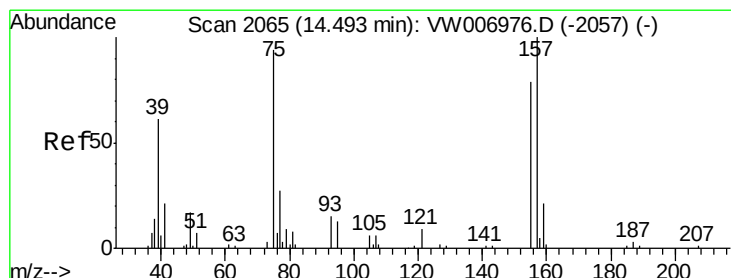
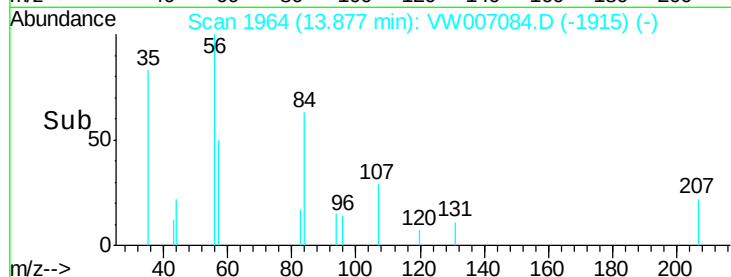
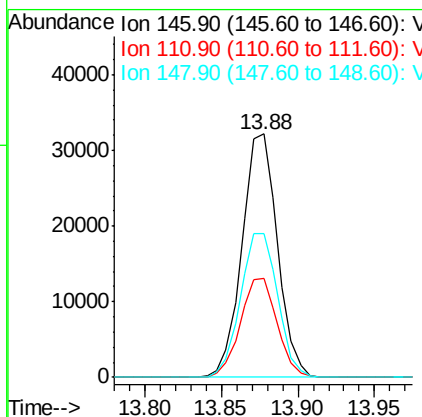
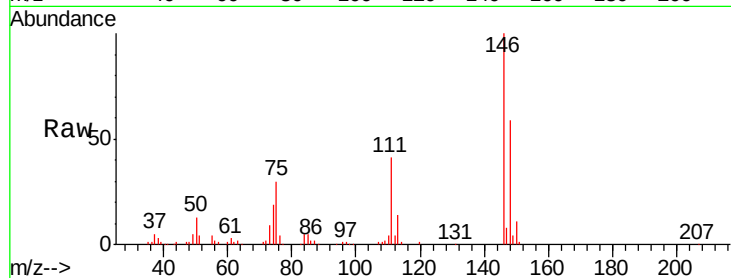
#91
 1,2-Dichlorobenzene
 Concen: 22.64 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.9	65.7
148	62.1	32.2	96.6

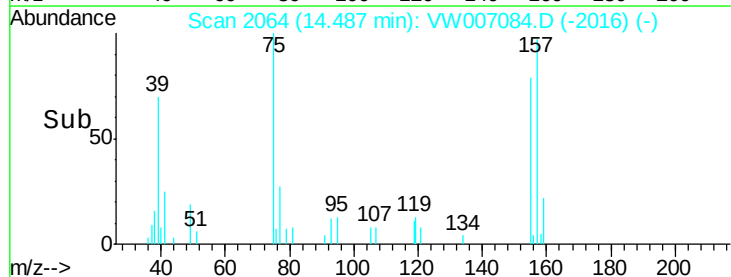
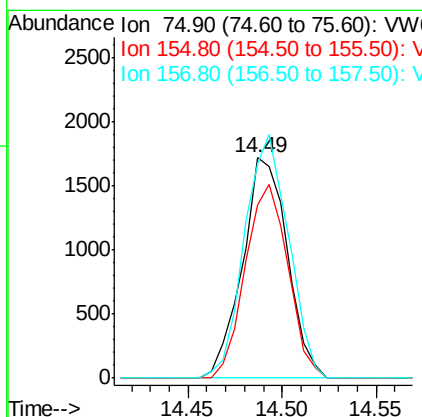
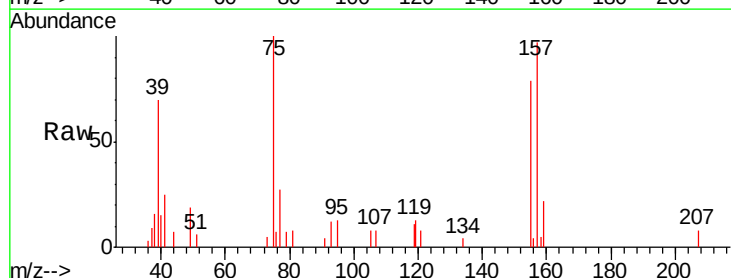
Manual Integrations
 APPROVED

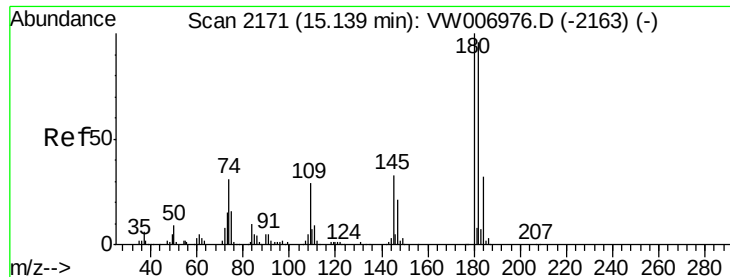
apatel
 11/28/2018 11:47:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.19 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	42.6	127.8
157	108.1	55.0	165.0





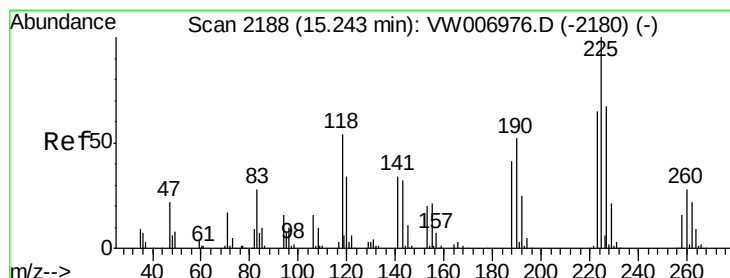
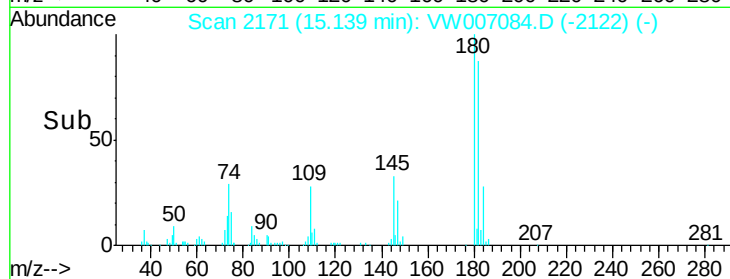
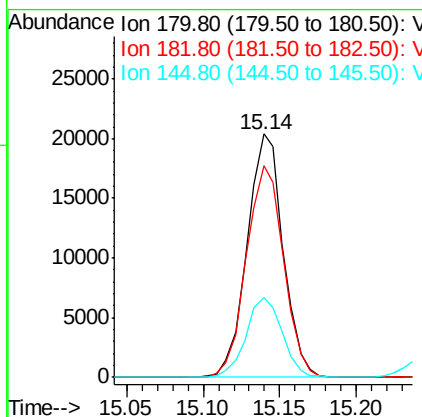
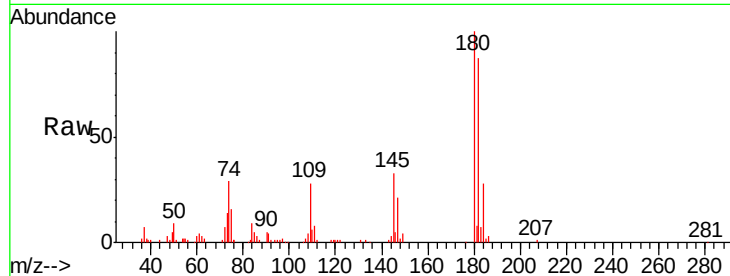
#93
 1,2,4-Trichlorobenzene
 Concen: 22.00 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	33264		
182	90.2	47.1	141.3	
145	33.0	16.5	49.5	

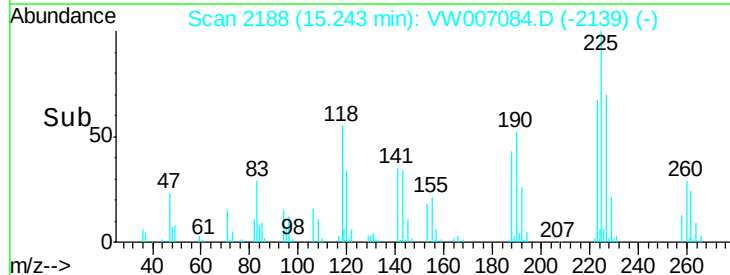
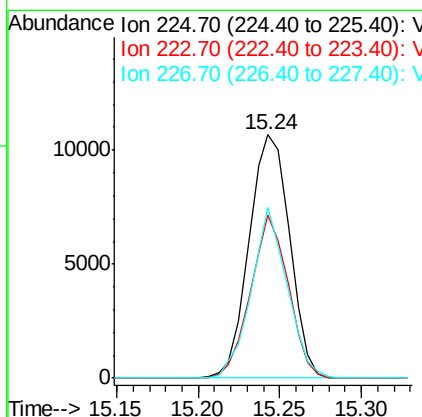
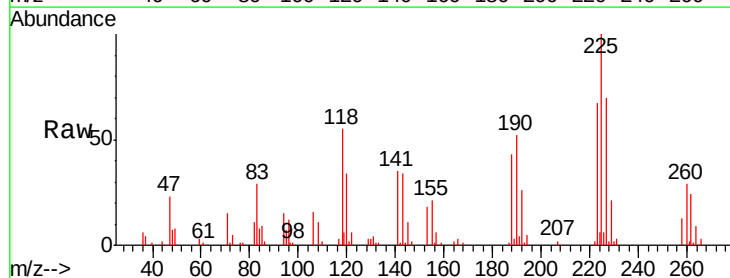
Manual Integrations
 APPROVED

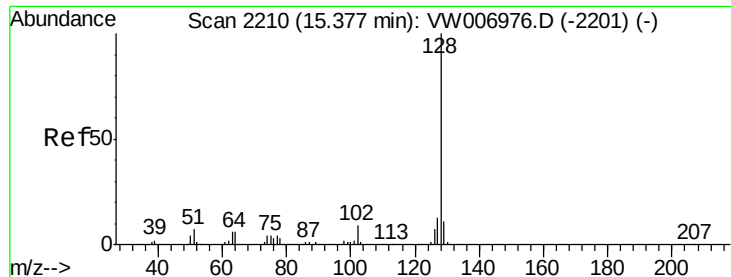
apatel
 11/28/2018 11:47:20 AM



#94
 Hexachlorobutadiene
 Concen: 22.49 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18482		
223	62.4	32.4	97.0	
227	62.4	31.9	95.5	





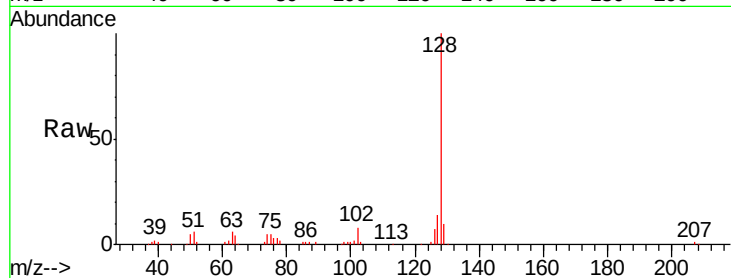
#95
Naphthalene
Concen: 19.96 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

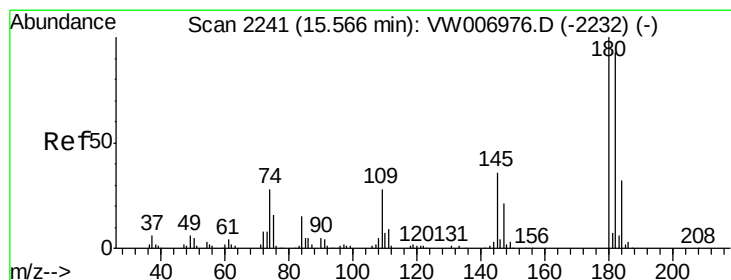
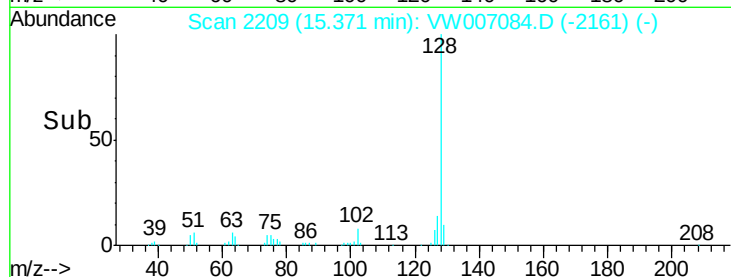
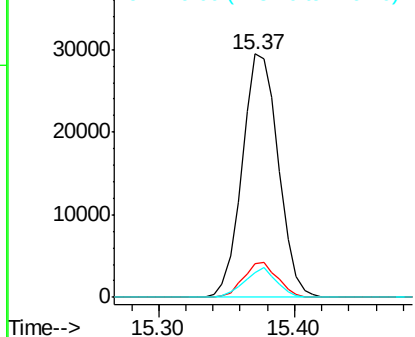
Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

apatel
11/28/2018 11:47:20 AM

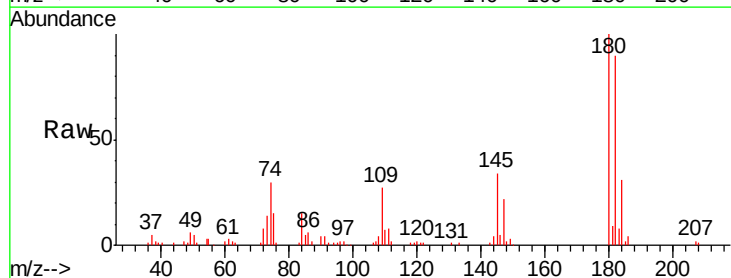


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.42 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.0	141.2
145	35.4	18.0	54.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

