

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112818\
 Data File : VW007104.D
 Acq On : 28 Nov 2018 10:53
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/29/2018 12:18:51 PM

Quant Time: Nov 29 12:09:48 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	105564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	148809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	49836	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.88	113	46140	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
50) Toluene-d8	10.32	98	211836	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.62	95	81696	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	53460	51.292	ug/l	99
3) Chloromethane	2.21	50	43729	50.344	ug/l	99
4) Vinyl Chloride	2.36	62	45102	52.775	ug/l	99
5) Bromomethane	2.78	94	25706	56.356	ug/l	96
6) Chloroethane	2.92	64	25215	53.524	ug/l	100
7) Trichlorofluoromethane	3.26	101	89082	53.010	ug/l	97
8) Diethyl Ether	3.69	74	25563	47.209	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54985	50.471	ug/l	99
10) Methyl Iodide	4.27	142	65899	52.841	ug/l	98
11) Tert butyl alcohol	5.21	59	18183	270.261	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	48672	50.939	ug/l	99
13) Acrolein	3.90	56	17130	247.925	ug/l	98
14) Allyl chloride	4.67	41	79634	50.248	ug/l	98
15) Acrylonitrile	5.37	53	52103	256.015	ug/l	100
16) Acetone	4.15	43	38336	255.486	ug/l	99
17) Carbon Disulfide	4.38	76	160709	52.024	ug/l	98
18) Methyl Acetate	4.68	43	25426	47.583	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	125544	50.320	ug/l	96
20) Methylene Chloride	4.92	84	59314	49.554	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	55978	50.292	ug/l	98
22) Diisopropyl ether	6.32	45	152518	49.444	ug/l	98
23) Vinyl Acetate	6.26	43	429739	262.343	ug/l	99
24) 1,1-Dichloroethane	6.22	63	92718	49.409	ug/l	99
25) 2-Butanone	7.18	43	64189	249.765	ug/l	98
26) 2,2-Dichloropropane	7.17	77	91815	54.409	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	59377	50.094	ug/l	100
28) Bromochloromethane	7.51	49	35286	50.311	ug/l	98
29) Tetrahydrofuran	7.53	42	38888	233.640	ug/l	97
30) Chloroform	7.68	83	96565	48.437	ug/l	97
31) Cyclohexane	7.95	56	98108	49.290	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	94921	52.860	ug/l	100
36) 1,1-Dichloropropene	8.09	75	83603	53.715	ug/l	99
37) Ethyl Acetate	7.26	43	29124	51.638	ug/l	98
38) Carbon Tetrachloride	8.07	117	84646	56.794	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112818\
 Data File : VW007104.D
 Acq On : 28 Nov 2018 10:53
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/29/2018 12:18:51 PM

Quant Time: Nov 29 12:09:48 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	107977	55.438	ug/l	98
40) Benzene	8.32	78	224498	53.436	ug/l	100
41) Methacrylonitrile	7.49	41	17871	51.022	ug/l	98
42) 1,2-Dichloroethane	8.40	62	61167	50.147	ug/l	100
43) Isopropyl Acetate	8.43	43	56269	52.353	ug/l	100
44) Trichloroethene	9.09	130	63714	54.099	ug/l	99
45) 1,2-Dichloropropane	9.37	63	53513	51.671	ug/l	98
46) Dibromomethane	9.46	93	26273	50.658	ug/l	99
47) Bromodichloromethane	9.65	83	71504	52.328	ug/l	98
48) Methyl methacrylate	9.43	41	30244	58.359	ug/l	96
49) 1,4-Dioxane	9.47	88	9277	1203.474	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	139676	257.157	ug/l	98
52) Toluene	10.39	92	157982	55.254	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73393	55.445	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	87299	54.589	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	39661	51.977	ug/l	97
56) Ethyl methacrylate	10.65	69	50432	56.938	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66600	52.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	110557	238.866	ug/l	99
59) 2-Hexanone	10.97	43	106834	287.229	ug/l	100
60) Dibromochloromethane	11.13	129	47806	54.983	ug/l	100
61) 1,2-Dibromoethane	11.24	107	37506	53.732	ug/l	99
64) Tetrachloroethene	10.86	164	54983	57.434	ug/l	98
65) Chlorobenzene	11.66	112	173590	55.891	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	53568	57.015	ug/l	99
67) Ethyl Benzene	11.73	91	322552	56.532	ug/l	99
68) m/p-Xylenes	11.84	106	253751	113.357	ug/l	99
69) o-Xylene	12.17	106	118482	56.133	ug/l	99
70) Styrene	12.18	104	191518	57.010	ug/l	100
71) Bromoform	12.35	173	25608	57.858	ug/l #	100
73) Isopropylbenzene	12.47	105	330607	55.628	ug/l	100
74) N-amyl acetate	12.27	43	57292	57.518	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	41163	52.044	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	31826m	52.964	ug/l	
77) Bromobenzene	12.75	156	69584	54.512	ug/l	96
78) n-propylbenzene	12.81	91	397432	55.207	ug/l	99
79) 2-Chlorotoluene	12.90	91	222508	53.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	284922	55.439	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13317	55.640	ug/l	99
82) 4-Chlorotoluene	12.99	91	236887	54.383	ug/l	99
83) tert-Butylbenzene	13.21	119	249054	55.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	283443	55.356	ug/l	99
85) sec-Butylbenzene	13.39	105	350623	55.778	ug/l	99
86) p-Isopropyltoluene	13.51	119	312838	56.412	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	143011	54.878	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	140544	54.092	ug/l	99
89) n-Butylbenzene	13.83	91	295966	56.712	ug/l	100
90) Hexachloroethane	14.10	117	47235	58.341	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	126160	55.250	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7662	57.358	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112818\
Data File : VW007104.D
Acq On : 28 Nov 2018 10:53
Operator : VAY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

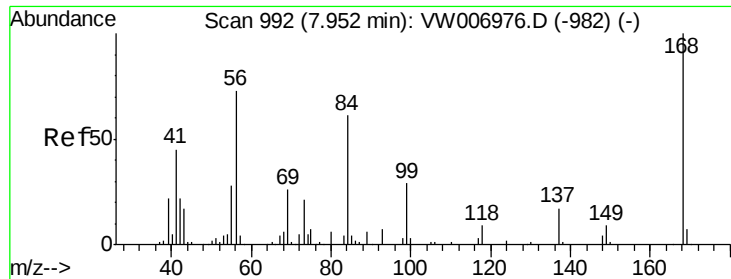
Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM

Quant Time: Nov 29 12:09:48 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	82477	54.776	ug/l	100
94) Hexachlorobutadiene	15.24	225	47451	57.969	ug/l	99
95) Naphthalene	15.38	128	149296	54.622	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	68002	54.437	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 105564

Ion Ratio Lower Upper

168 100

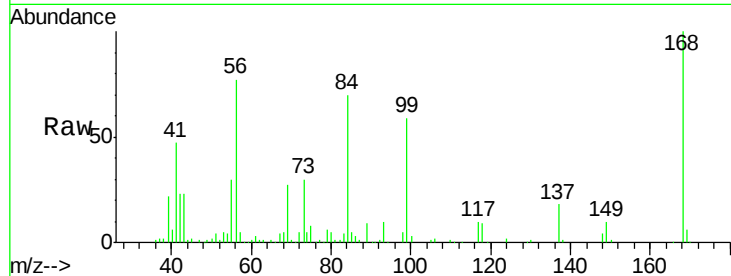
99 58.6 48.2 72.4

Manual Integrations

APPROVED

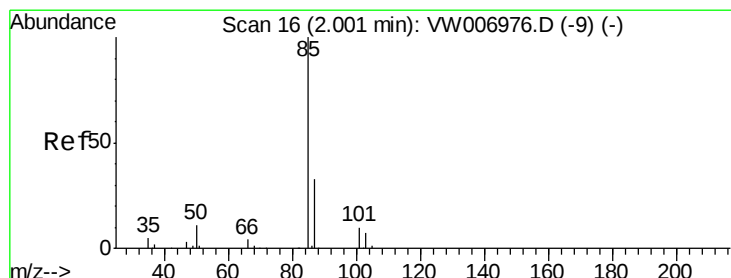
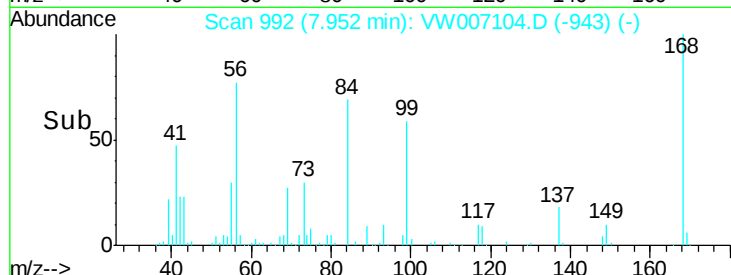
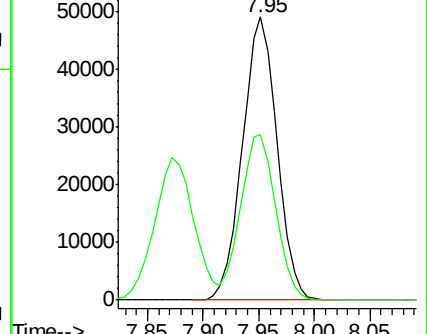
apatel

11/29/2018 12:18:51 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.292 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007104.D

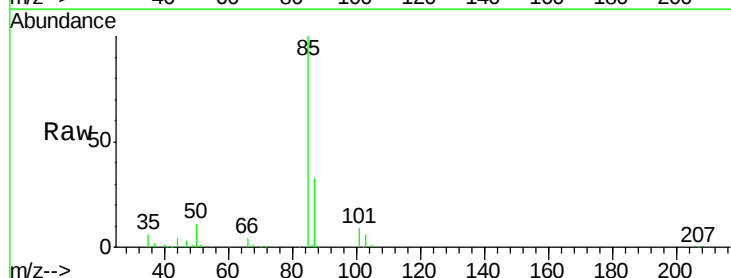
Acq: 28 Nov 2018 10:53

Tgt Ion: 85 Resp: 53460

Ion Ratio Lower Upper

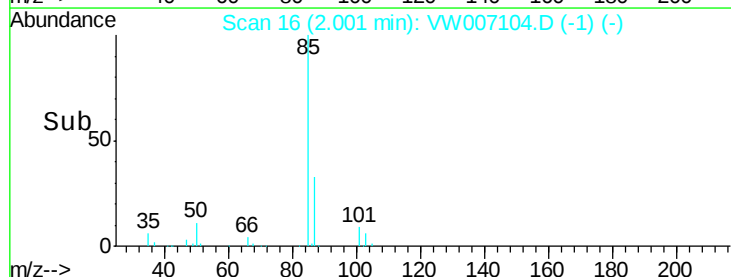
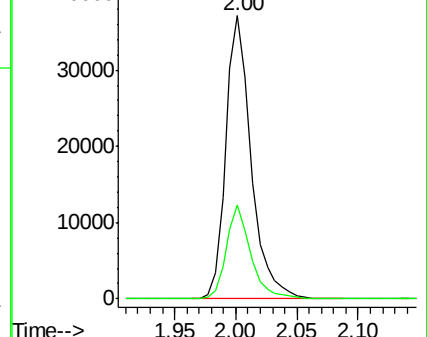
85 100

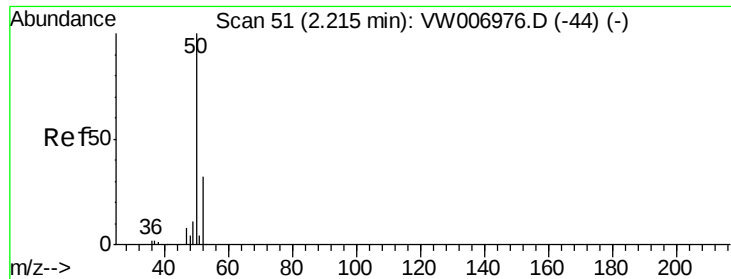
87 33.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.344 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 43729

Ion Ratio Lower Upper

50 100

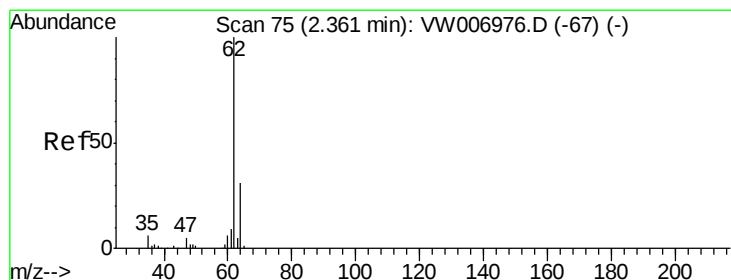
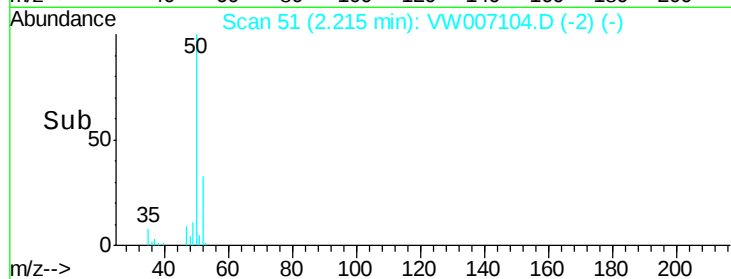
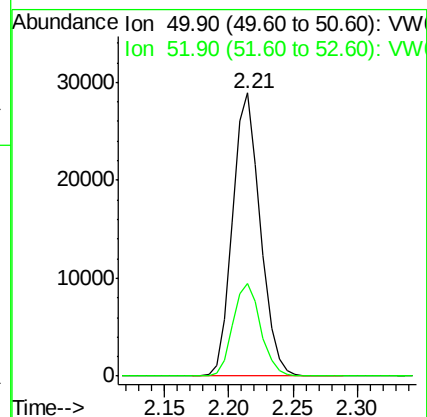
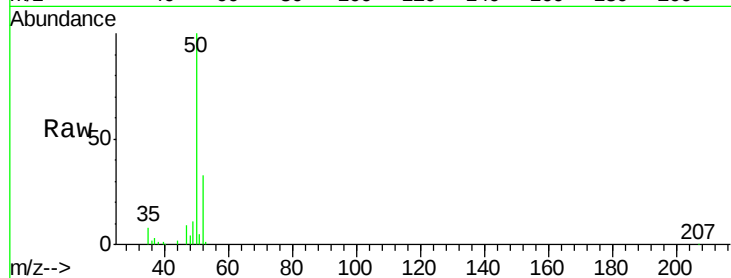
52 32.9 25.7 38.5

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#4

Vinyl Chloride

Concen: 52.775 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007104.D

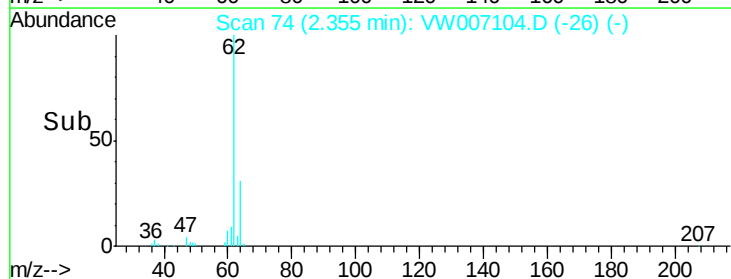
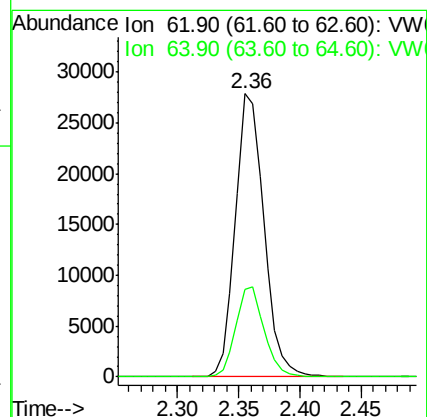
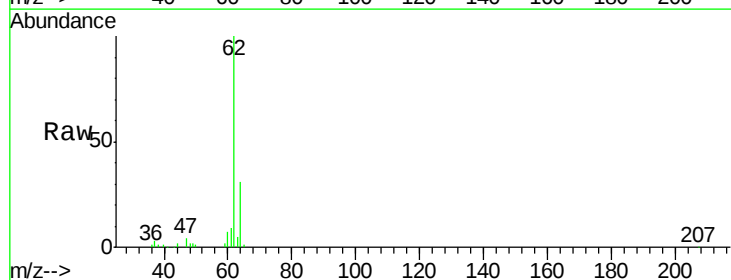
Acq: 28 Nov 2018 10:53

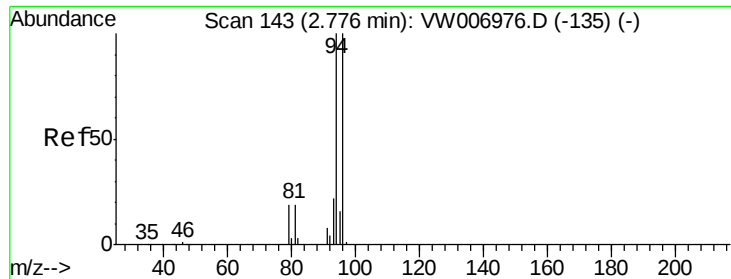
Tgt Ion: 62 Resp: 45102

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 56.356 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tot Ion: 94 Resp: 25706

Ion Ratio Lower Upper

94 100

96 96.1 80.2 120.2

Instrument :

MSVOA_W

ClientSampleId :

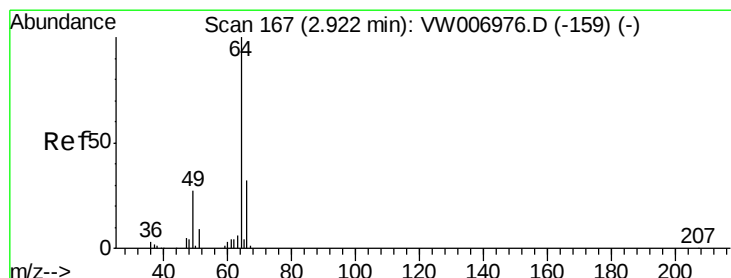
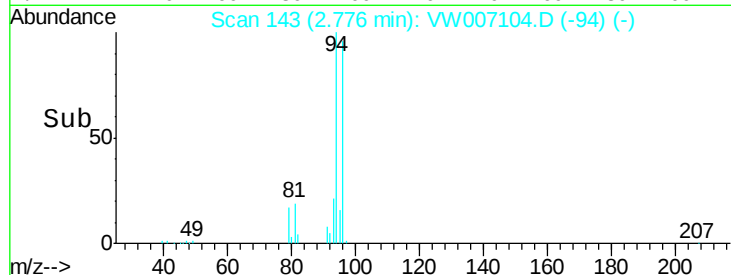
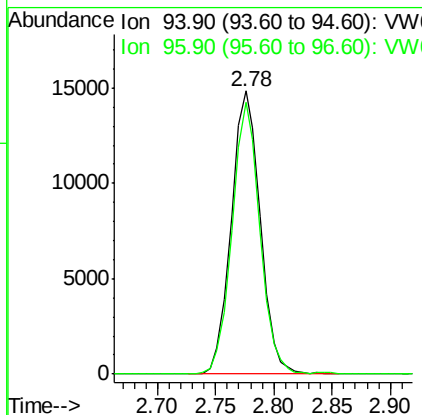
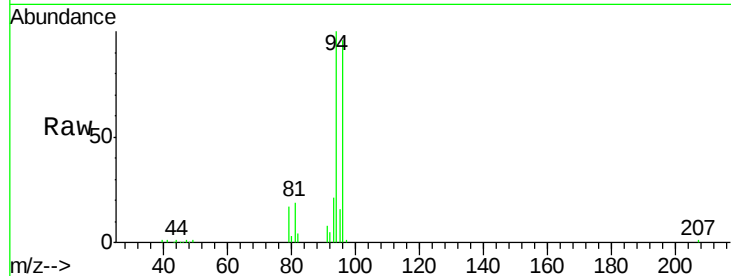
VSTDCCC050

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#6

Chloroethane

Concen: 53.524 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW007104.D

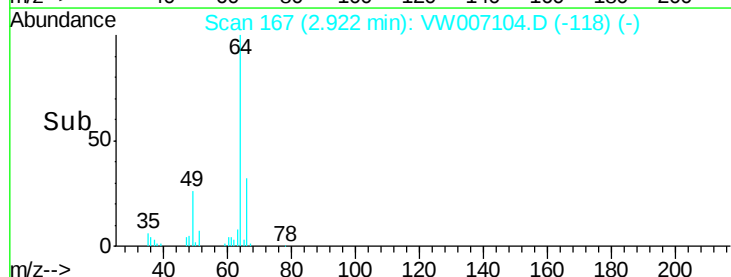
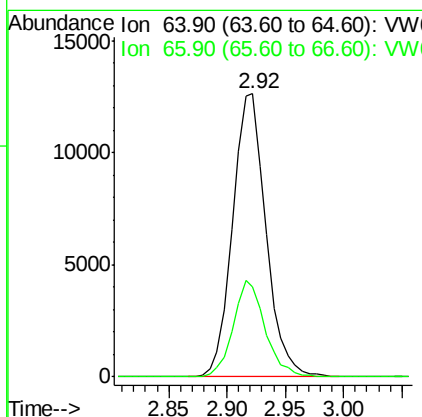
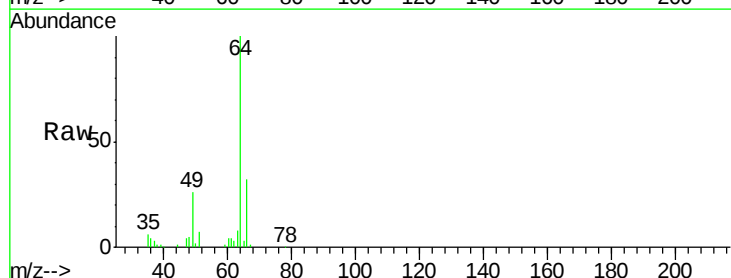
Acq: 28 Nov 2018 10:53

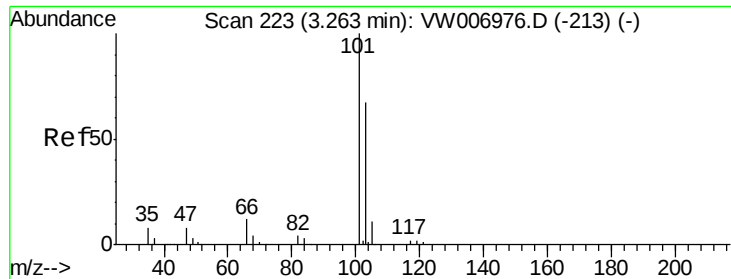
Tgt Ion: 64 Resp: 25215

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9





#7

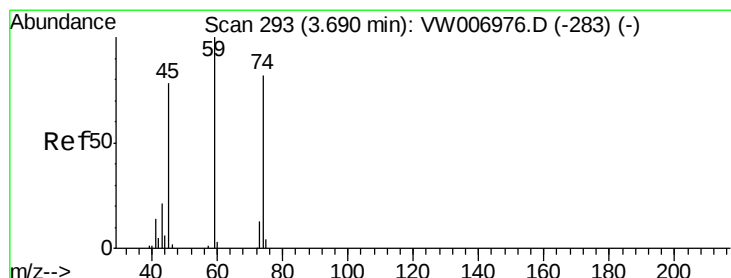
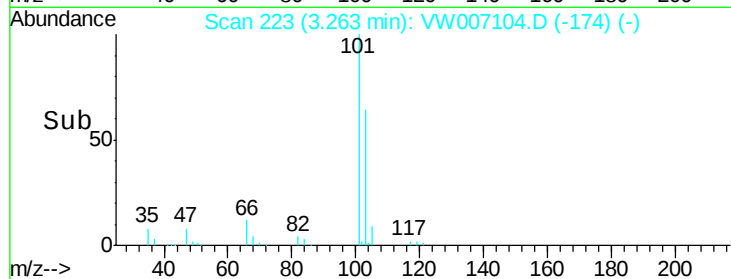
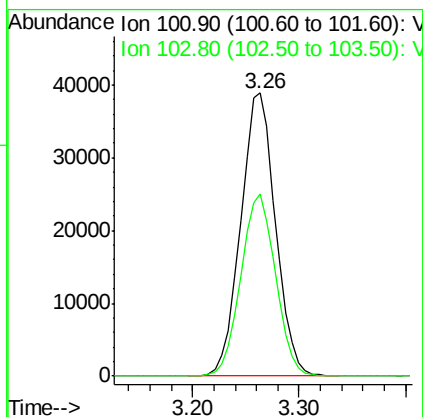
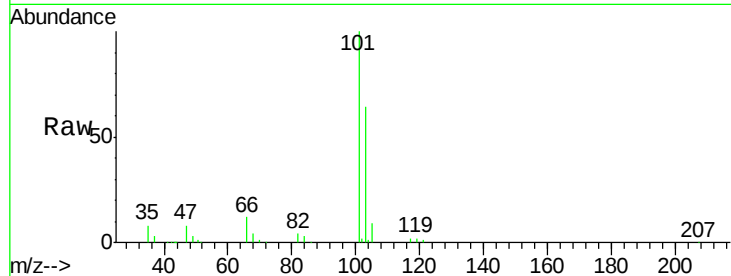
Trichlorofluoromethane
 Concen: 53.010 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		89082		
103	64.3	53.4	80.2		

Manual Integrations
 APPROVED

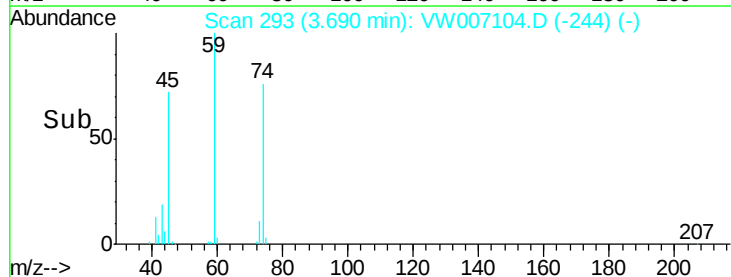
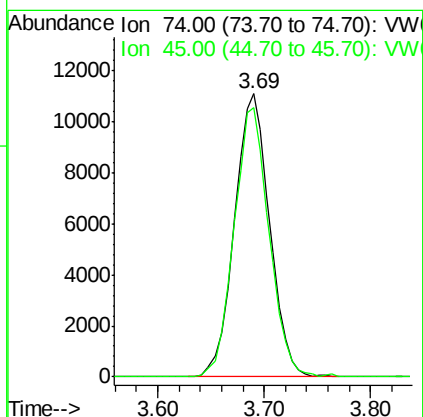
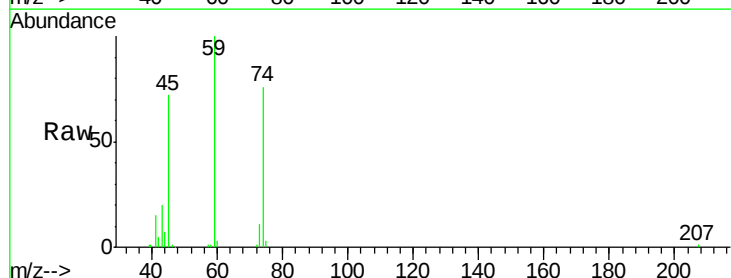
apatel
 11/29/2018 12:18:51 PM

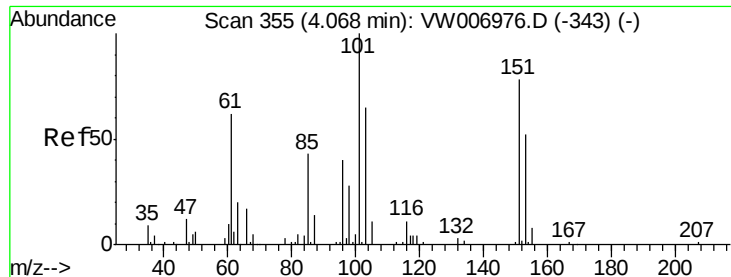


#8

Diethyl Ether
 Concen: 47.209 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		25563		
45	94.9	48.4	145.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.471 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

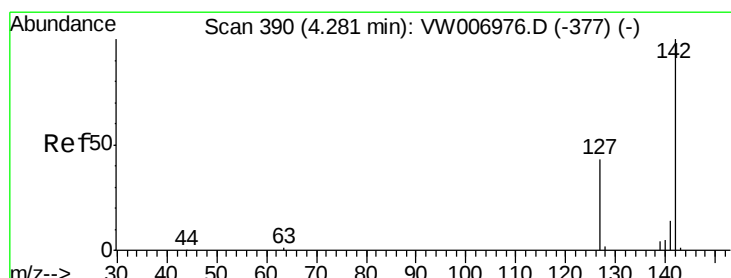
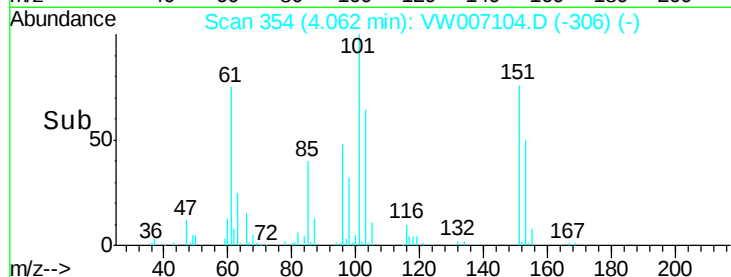
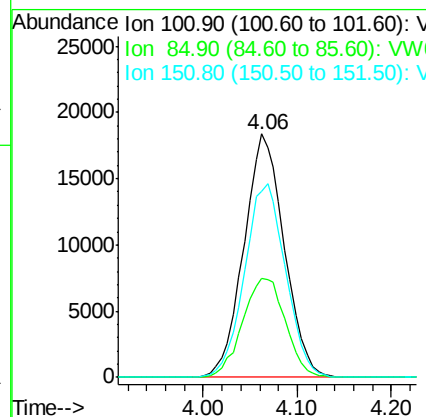
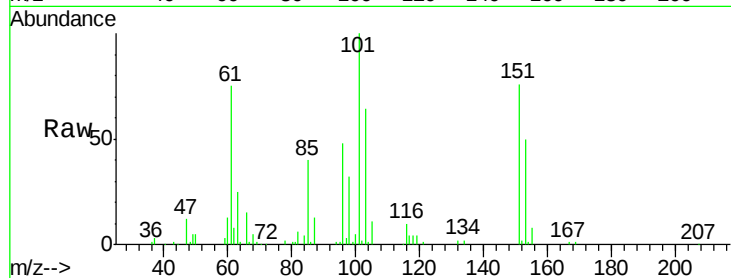
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	54985
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.3	51.5
151	81.1	63.4	95.2

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM



#10

Methyl Iodide

Concen: 52.841 ug/l

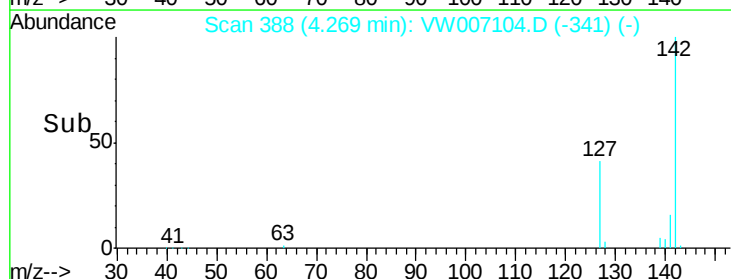
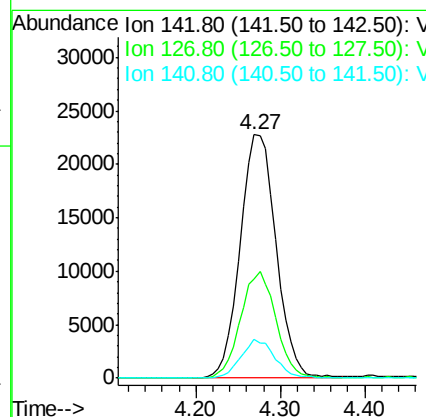
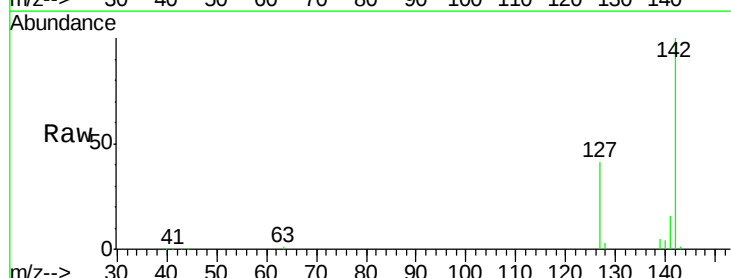
RT: 4.27 min Scan# 388

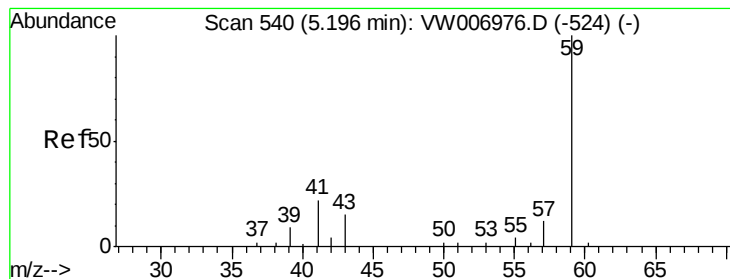
Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion:	142	Resp:	65899
Ion Ratio	Lower	Upper	
142	100		
127	42.7	35.3	52.9
141	14.8	11.7	17.5





#11

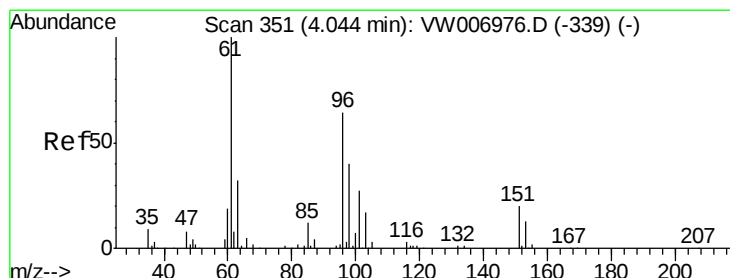
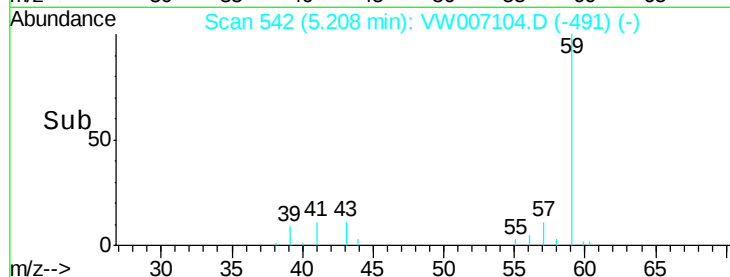
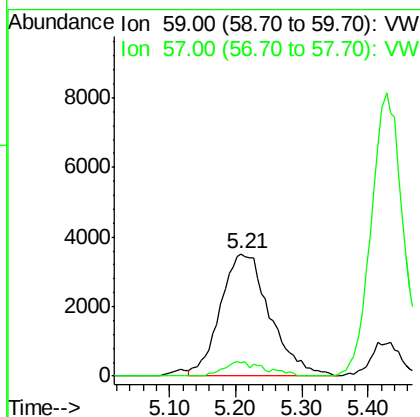
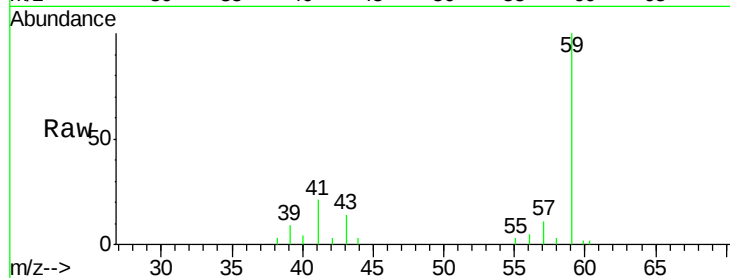
Tert butyl alcohol
 Concen: 270.261 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.6	13.0#

Manual Integrations
 APPROVED

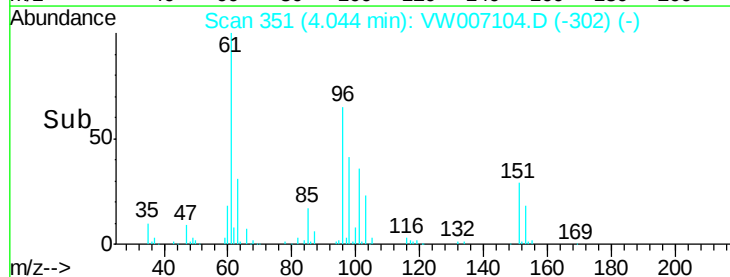
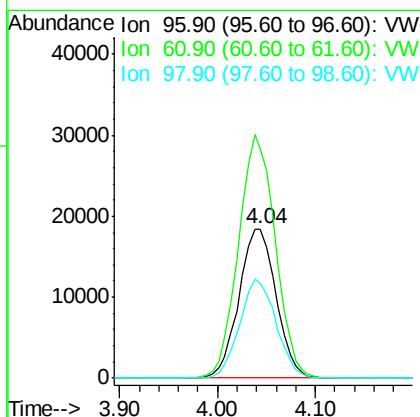
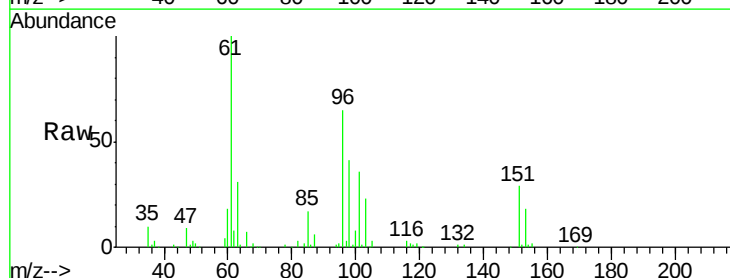
apatel
 11/29/2018 12:18:51 PM

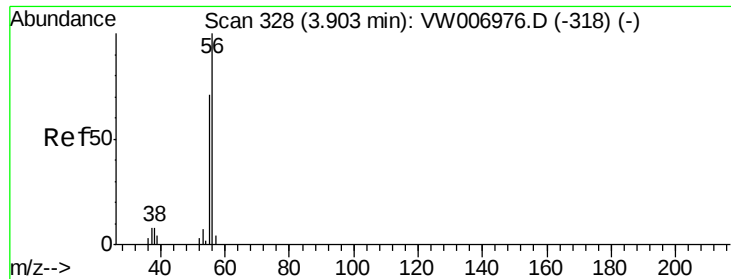


#12

1,1-Dichloroethene
 Concen: 50.939 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	124.3	186.5
98	63.3	49.4	74.2





#13

Acrolein

Concen: 247.925 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 17130

Ion Ratio Lower Upper

56 100

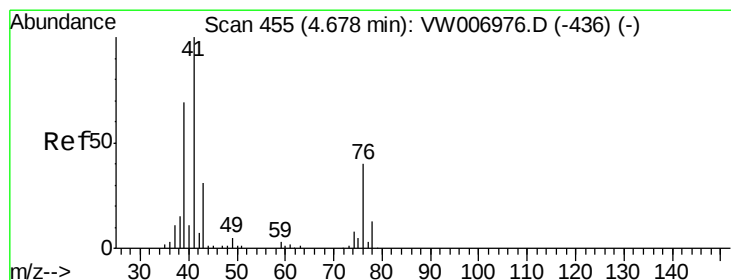
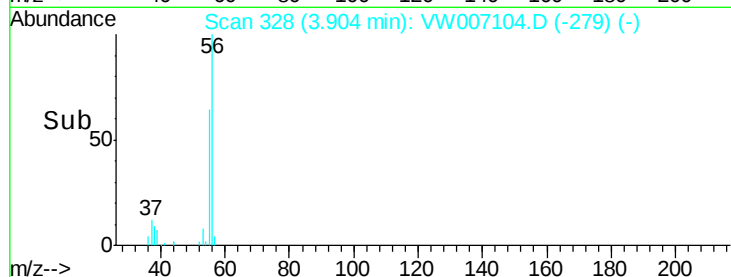
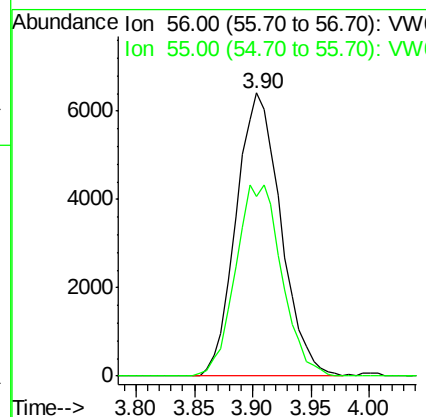
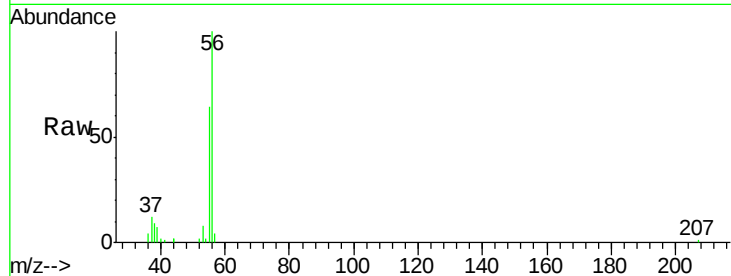
55 69.8 57.5 86.3

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#14

Allyl chloride

Concen: 50.248 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

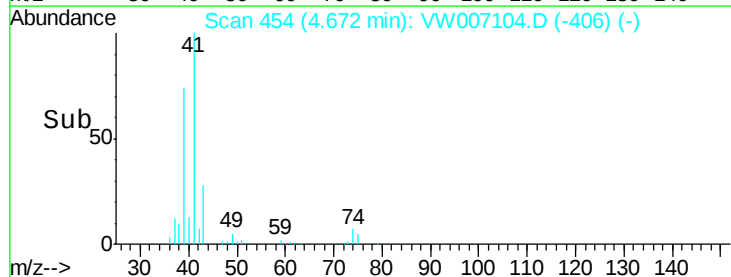
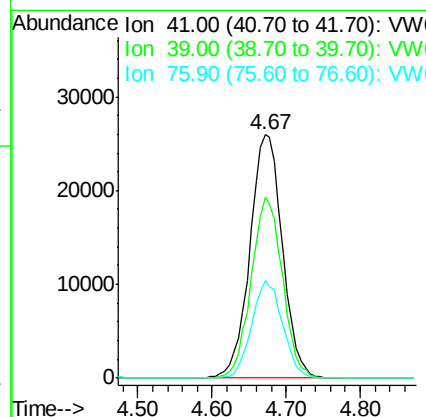
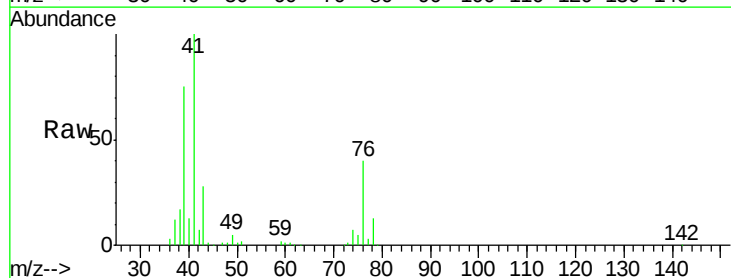
Tgt Ion: 41 Resp: 79634

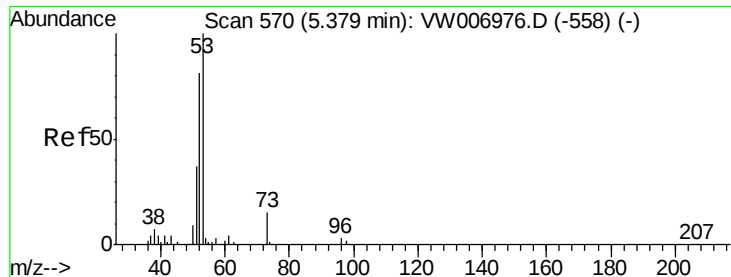
Ion Ratio Lower Upper

41 100

39 71.4 55.4 83.2

76 38.0 29.6 44.4





#15

Acrylonitrile

Concen: 256.015 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

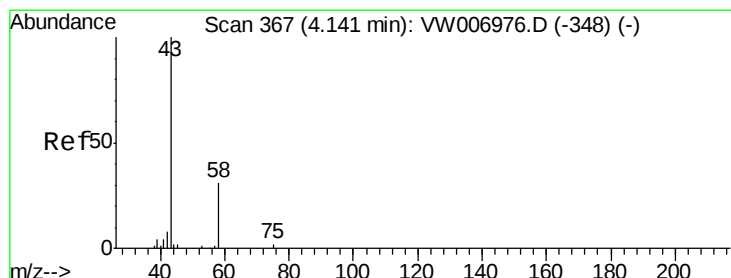
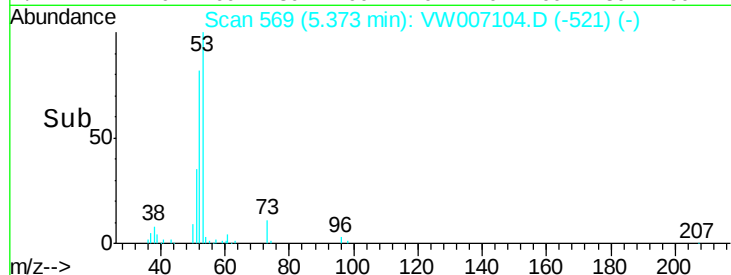
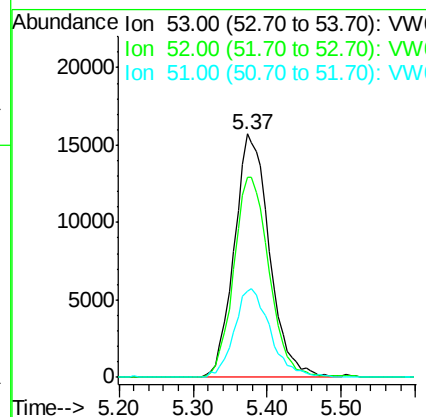
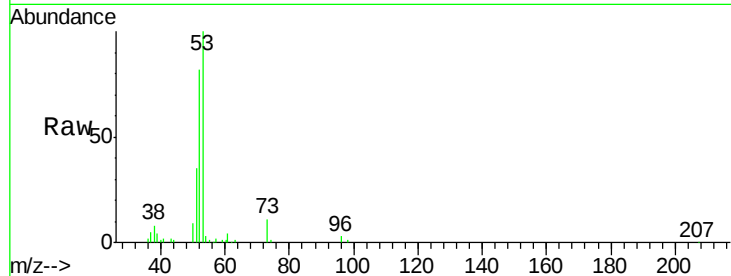
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	52103
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.7	98.5
51	37.2	29.9	44.9

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM



#16

Acetone

Concen: 255.486 ug/l

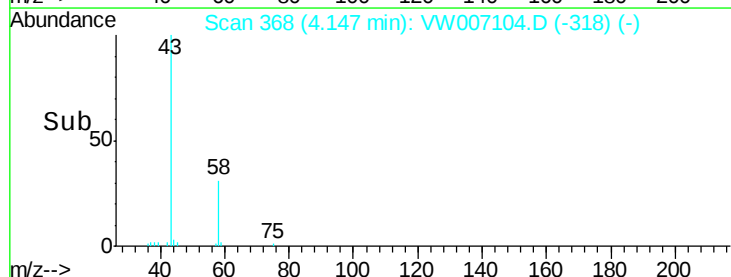
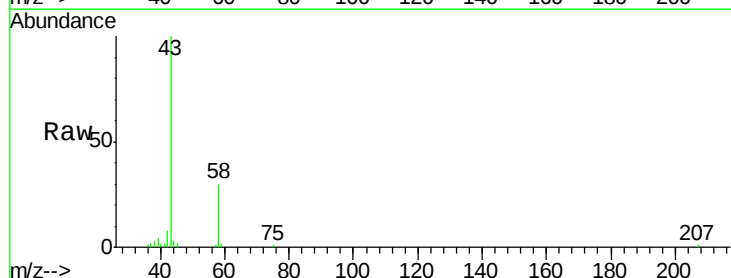
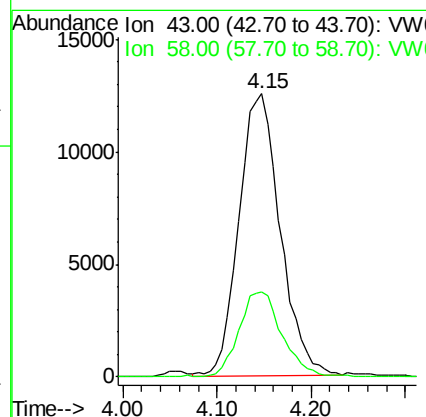
RT: 4.15 min Scan# 368

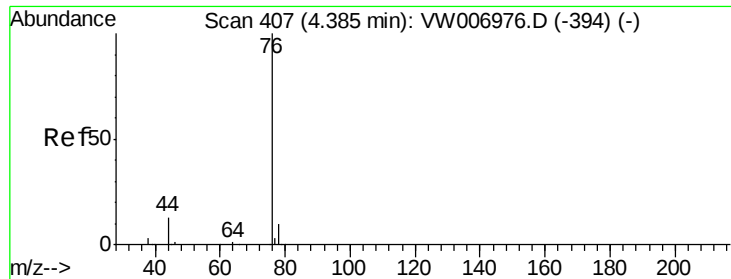
Delta R.T. 0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion:	43	Resp:	38336
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.8	37.2





#17

Carbon Disulfide

Concen: 52.024 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 160709

Ion Ratio Lower Upper

76 100

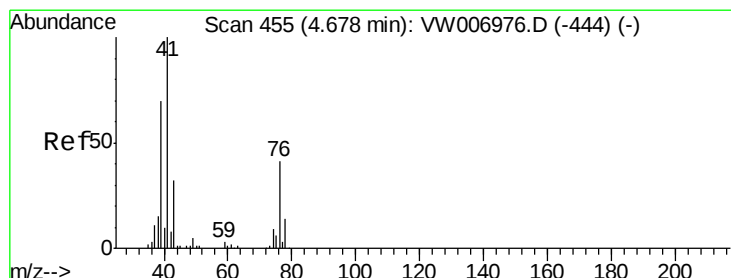
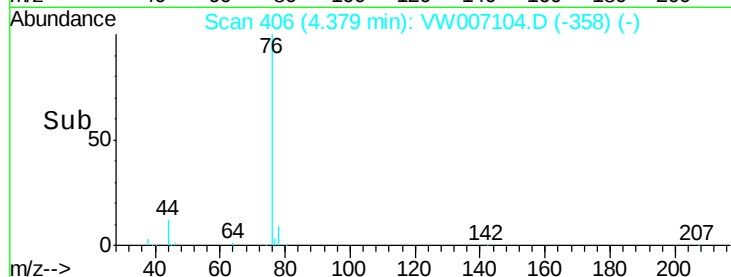
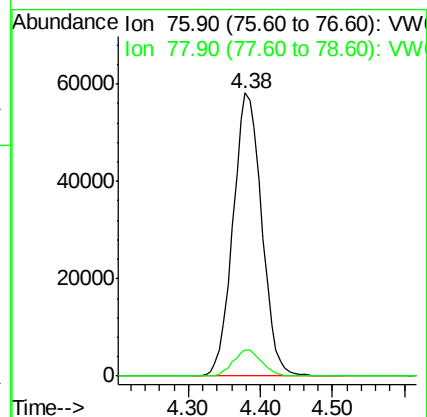
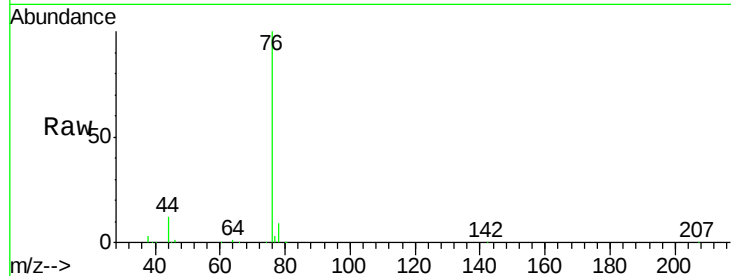
78 9.1 7.8 11.6

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#18

Methyl Acetate

Concen: 47.583 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW007104.D

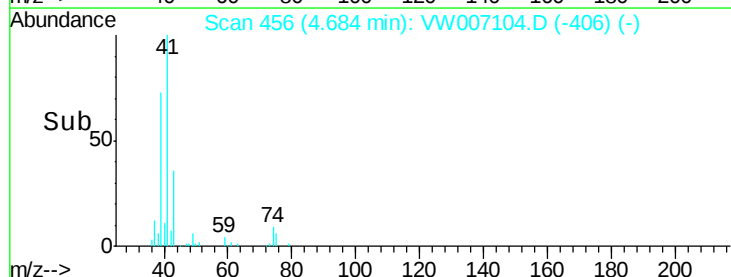
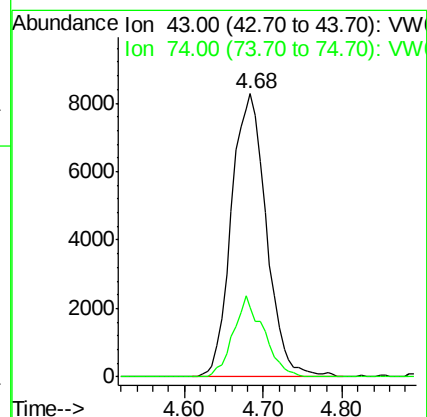
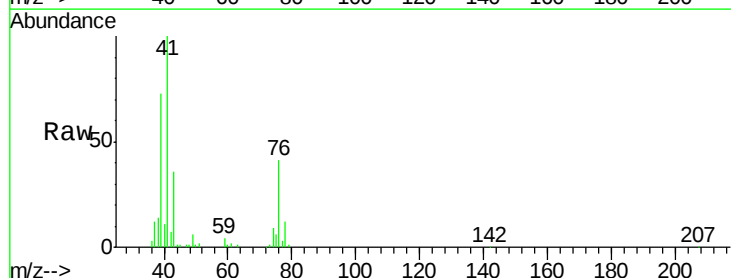
Acq: 28 Nov 2018 10:53

Tgt Ion: 43 Resp: 25426

Ion Ratio Lower Upper

43 100

74 25.1 20.1 30.1





#19

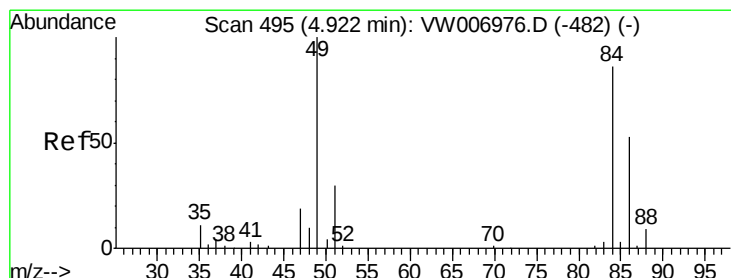
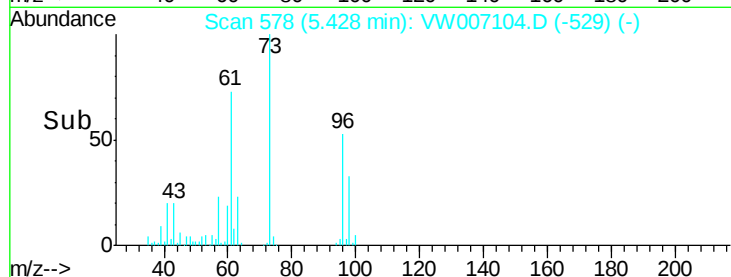
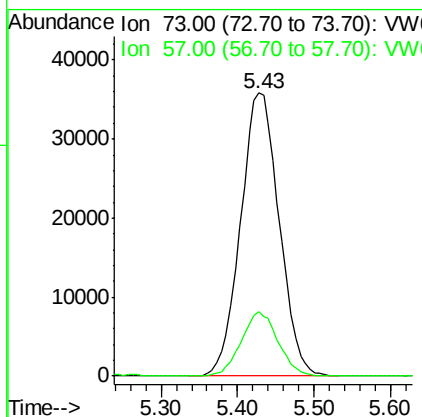
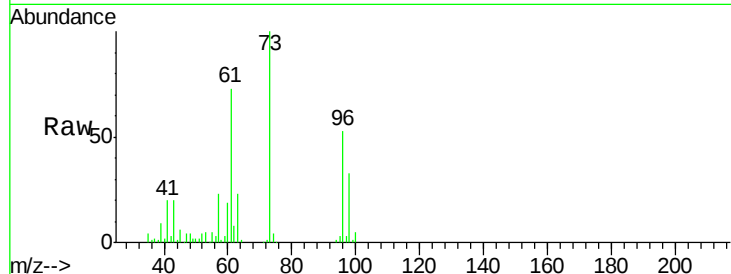
Methyl tert-butyl Ether
 Concen: 50.320 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	73	Resp	125544
Ion Ratio	Lower	Upper	
73	100		
57	22.7	16.7	25.1

Manual Integrations
 APPROVED

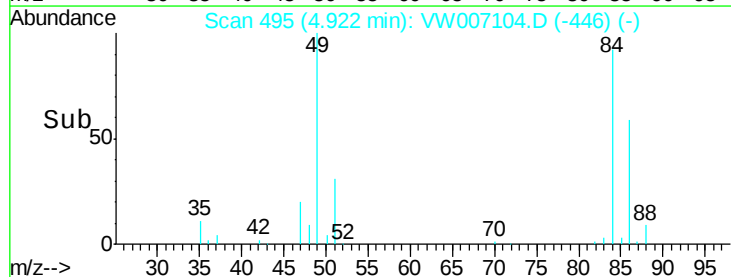
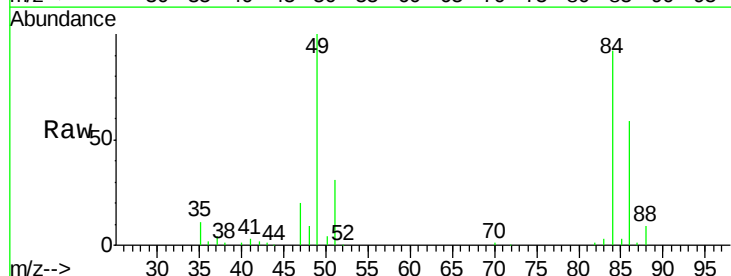
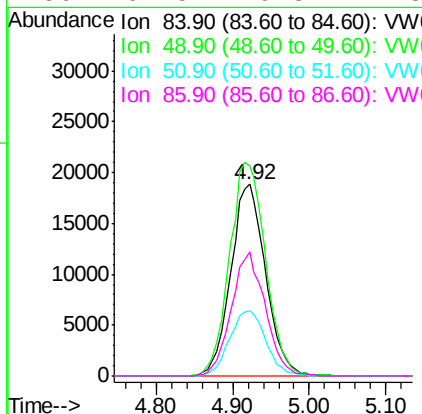
apatel
 11/29/2018 12:18:51 PM

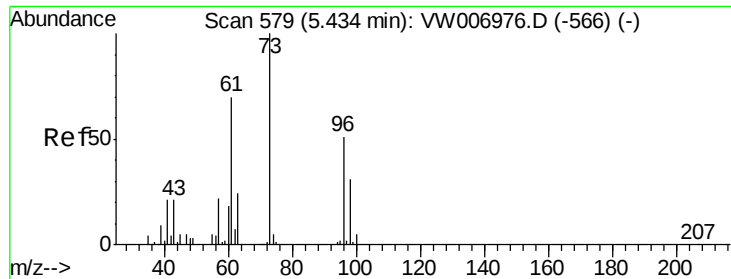


#20

Methylene Chloride
 Concen: 49.554 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion	84	Resp	59314
Ion Ratio	Lower	Upper	
84	100		
49	109.2	93.4	140.0
51	33.9	28.4	42.6
86	64.5	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 50.292 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

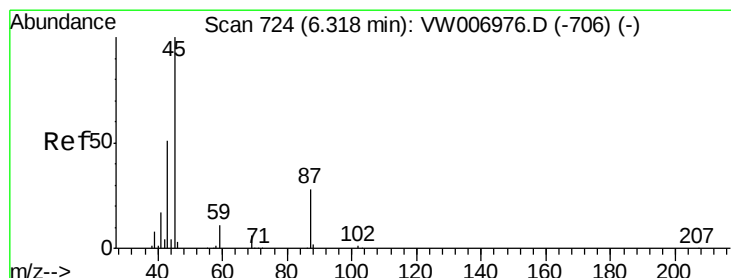
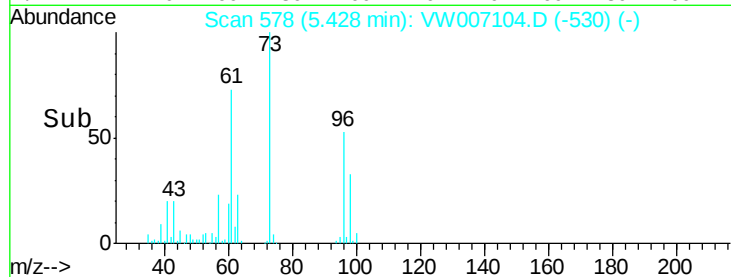
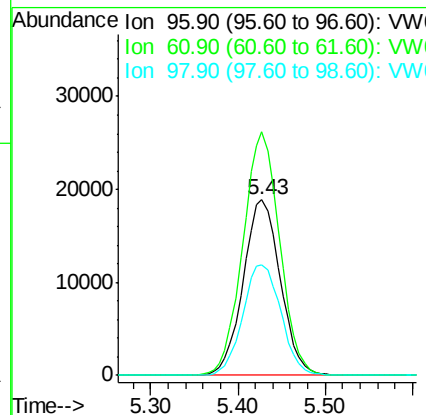
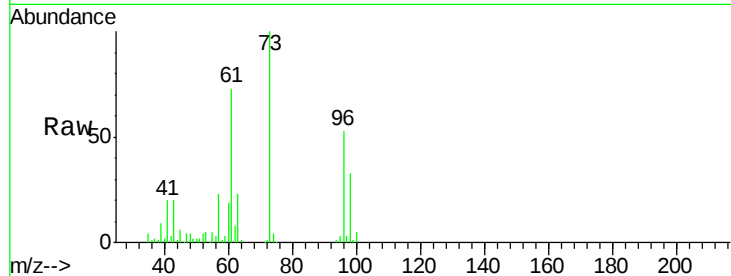
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	55978
Ion	Ratio	Lower	Upper
96	100		
61	138.9	109.4	164.0
98	63.2	48.3	72.5

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM



#22

Diisopropyl ether

Concen: 49.444 ug/l

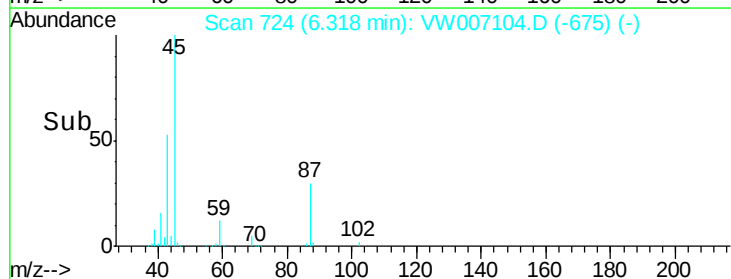
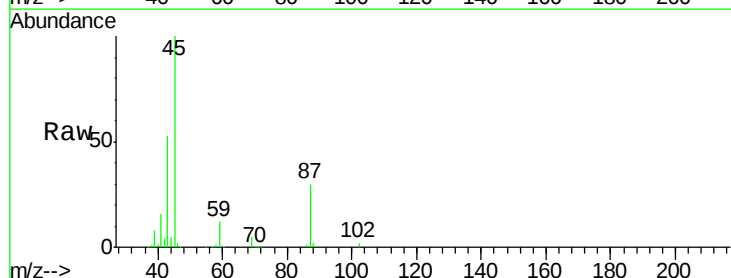
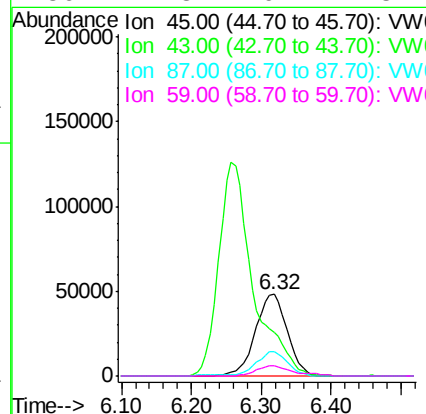
RT: 6.32 min Scan# 724

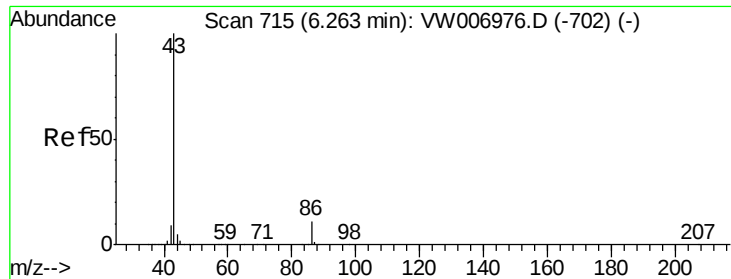
Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion:	45	Resp:	152518
Ion	Ratio	Lower	Upper
45	100		
43	52.2	42.5	63.7
87	30.0	22.8	34.2
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 262.343 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 429739

Ion Ratio Lower Upper

43 100

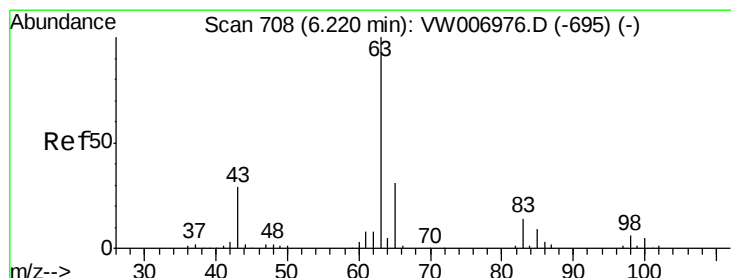
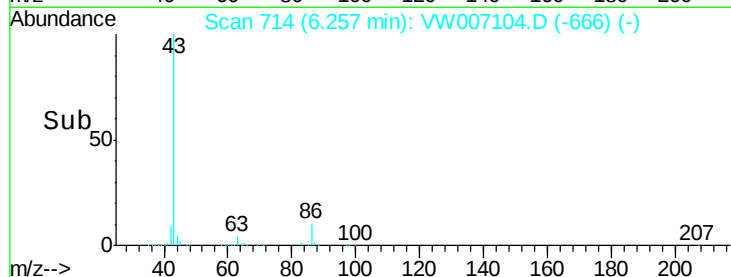
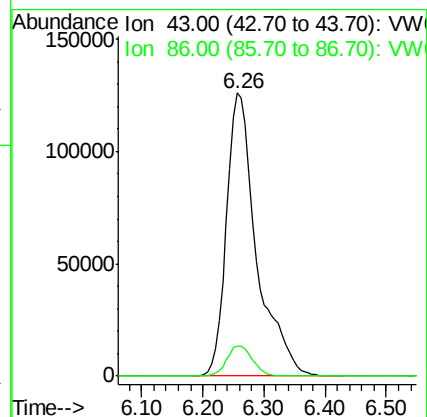
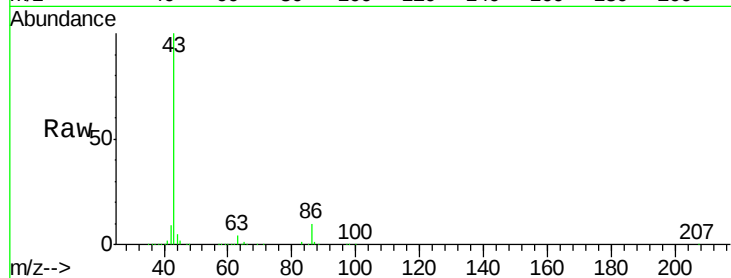
86 10.5 8.7 13.1

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#24

1,1-Dichloroethane

Concen: 49.409 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

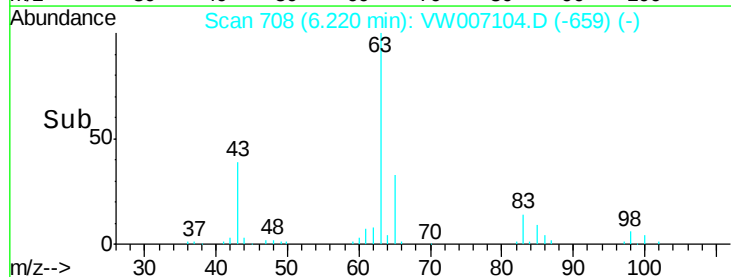
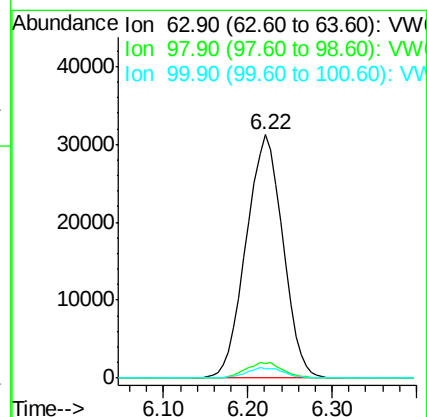
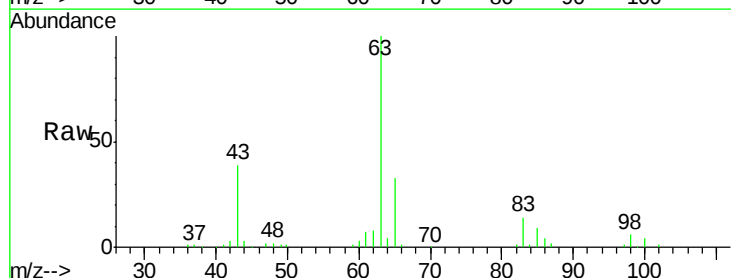
Tgt Ion: 63 Resp: 92718

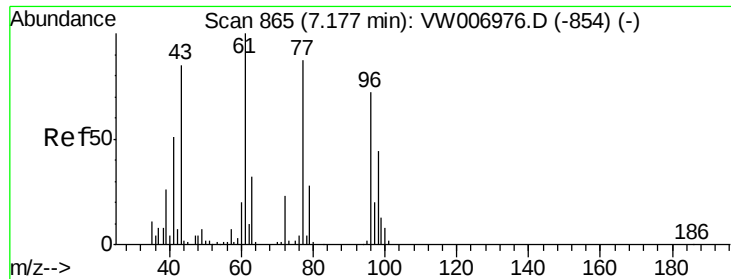
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.9 2.3 6.9





#25

2-Butanone

Concen: 249.765 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 64189

Ion Ratio Lower Upper

43 100

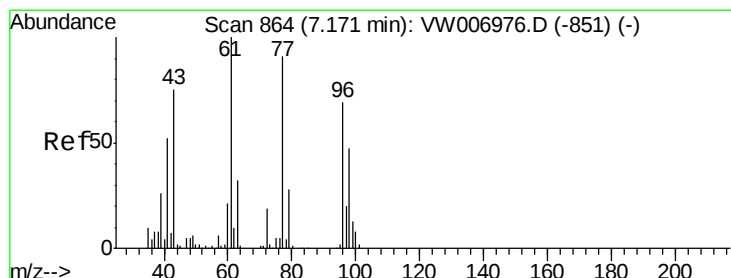
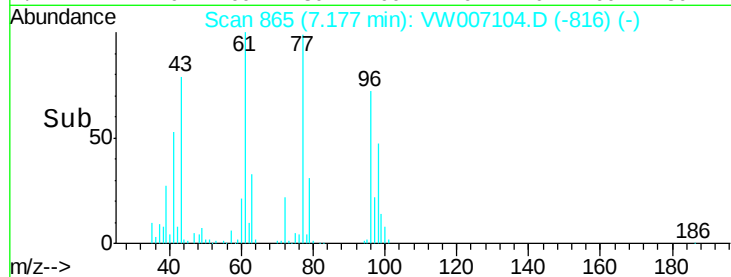
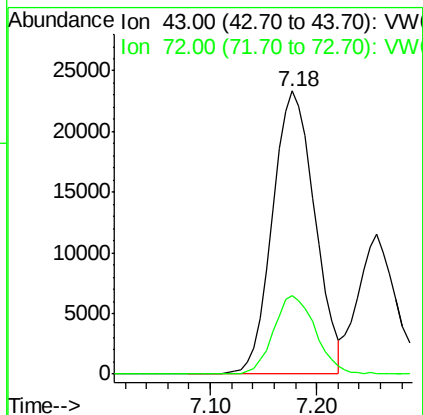
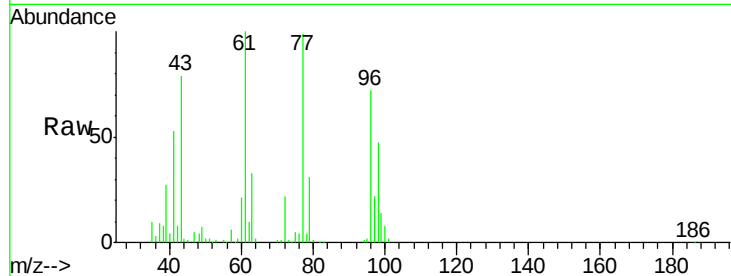
72 27.7 21.3 31.9

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#26

2,2-Dichloropropane

Concen: 54.409 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007104.D

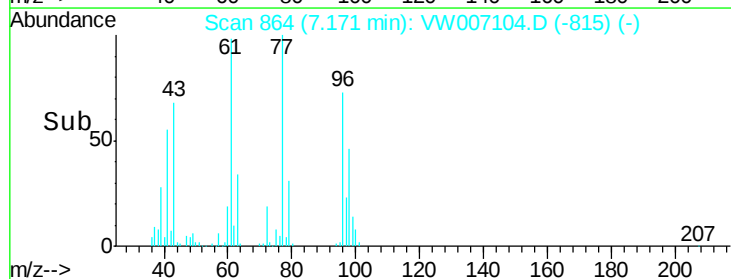
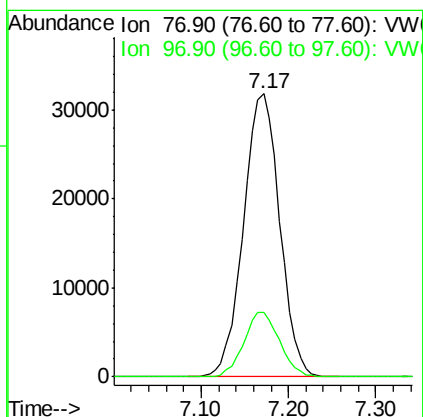
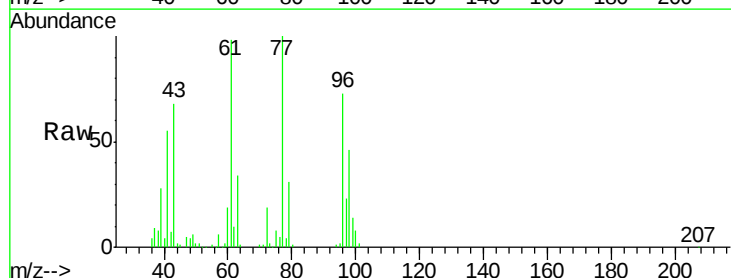
Acq: 28 Nov 2018 10:53

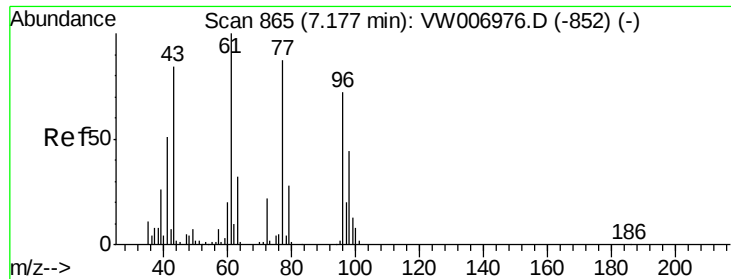
Tgt Ion: 77 Resp: 91815

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





#27

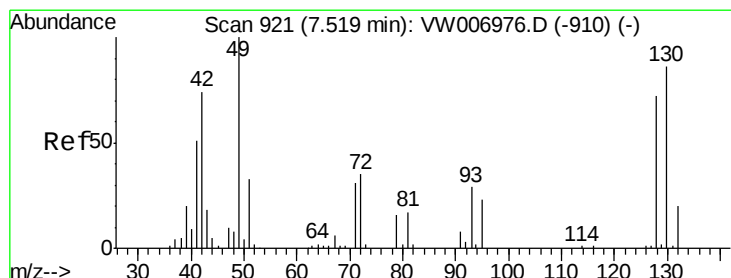
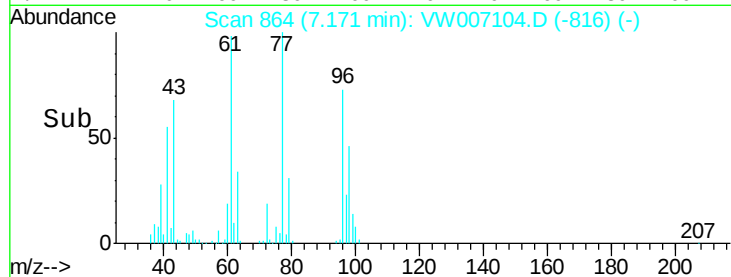
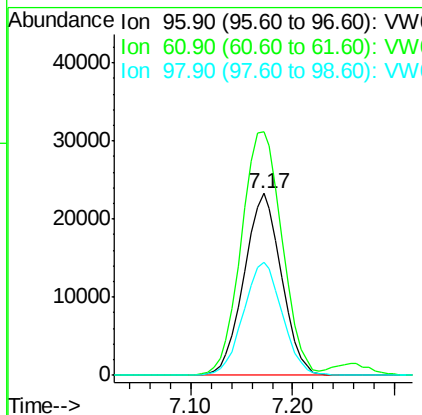
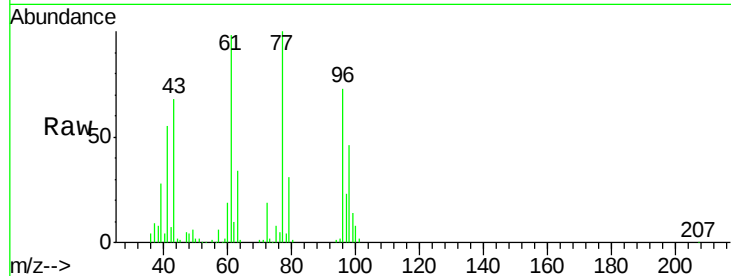
cis-1,2-Dichloroethene
Concen: 50.094 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	292.6
98	64.3	0.0	129.8

Manual Integrations
APPROVED

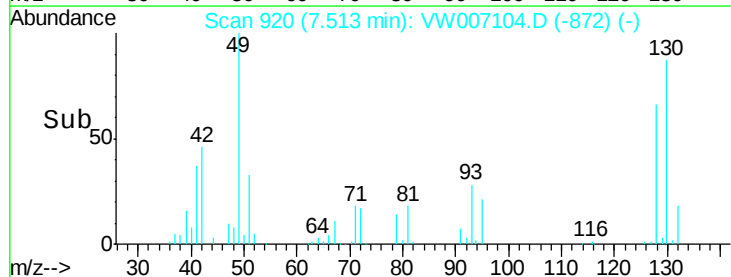
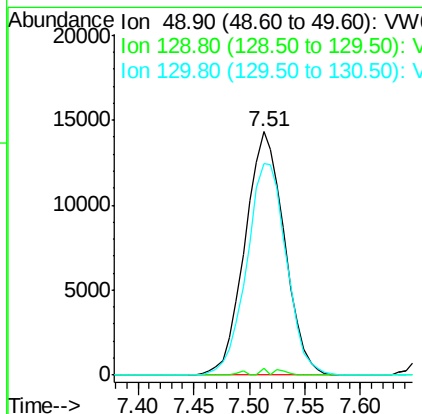
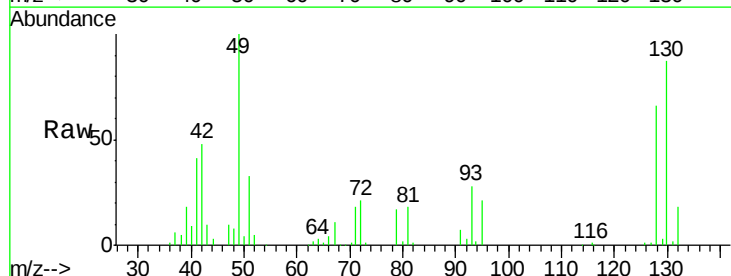
apatel
11/29/2018 12:18:51 PM

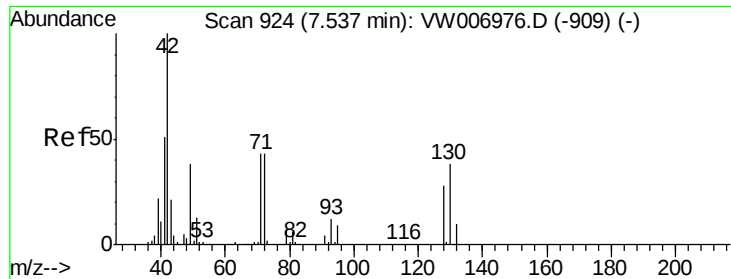


#28

Bromochloromethane
Concen: 50.311 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.0
130	87.7	69.0	103.4





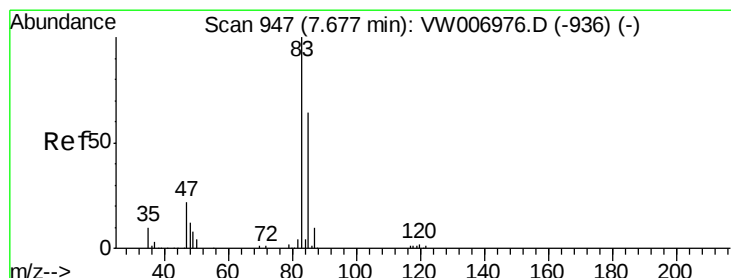
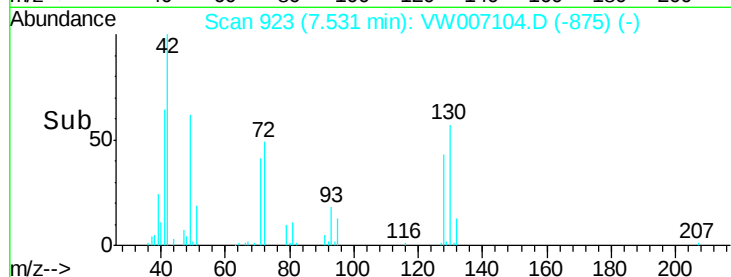
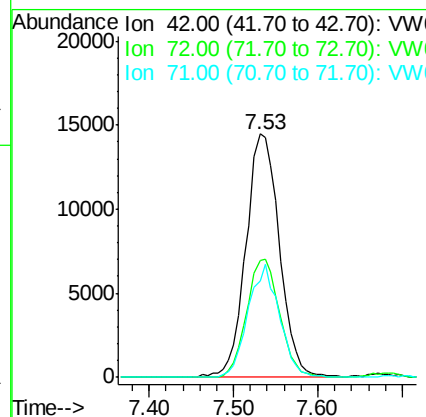
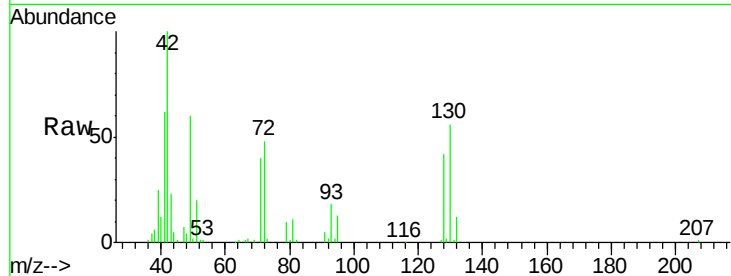
#29
Tetrahydrofuran
Concen: 233.640 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	36.2	54.4
71	43.5	33.8	50.8

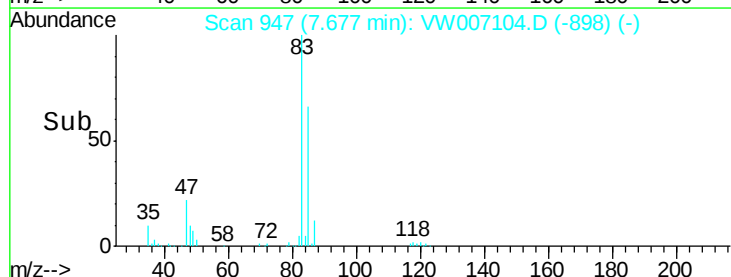
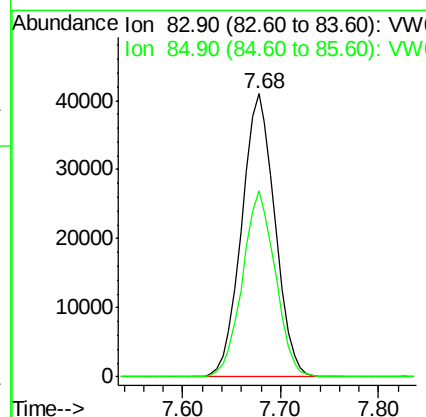
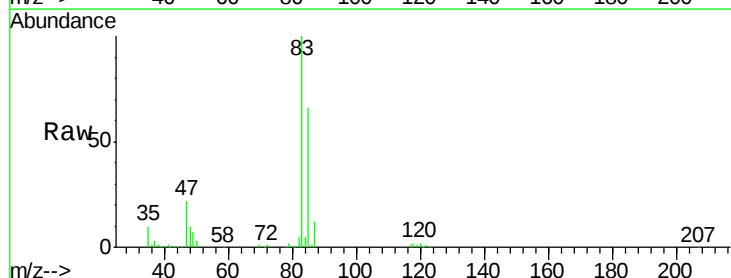
Manual Integrations
APPROVED

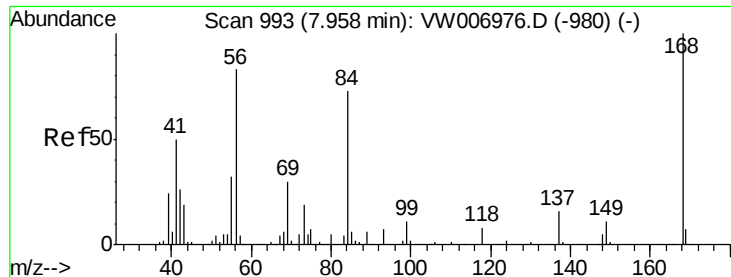
apatel
11/29/2018 12:18:51 PM



#30
Chloroform
Concen: 48.437 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.9	76.3





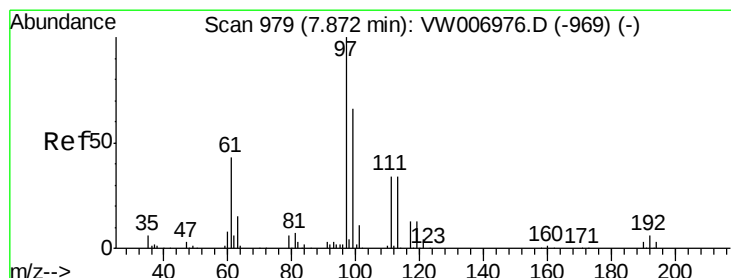
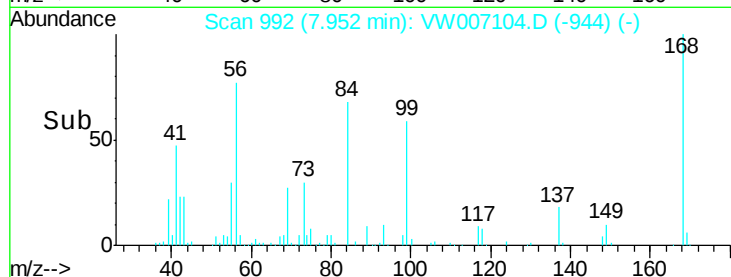
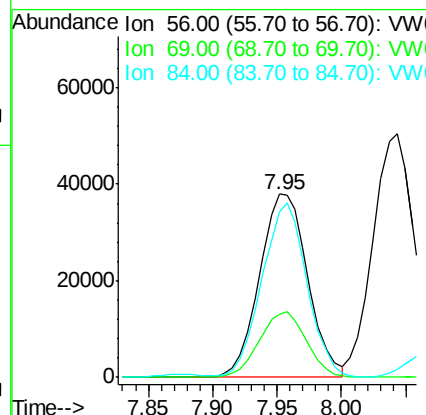
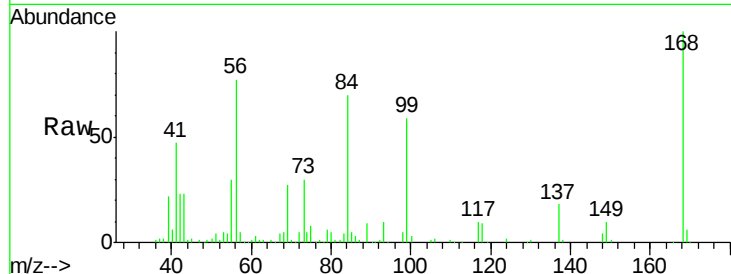
#31
Cyclohexane
Concen: 49.290 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	29.1	43.7
84	89.1	70.6	105.8

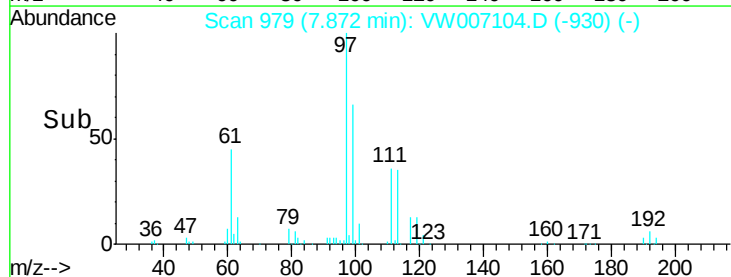
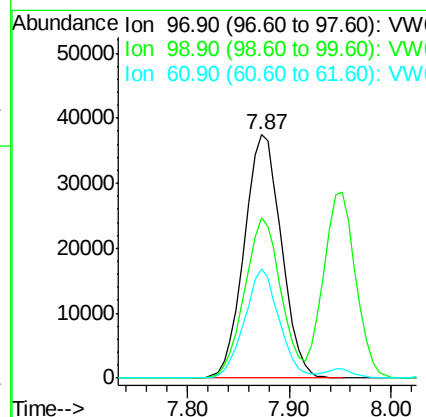
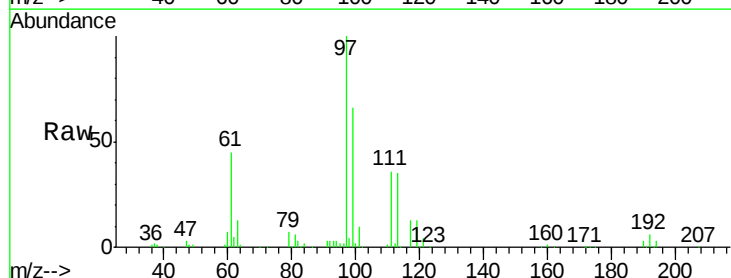
Manual Integrations
APPROVED

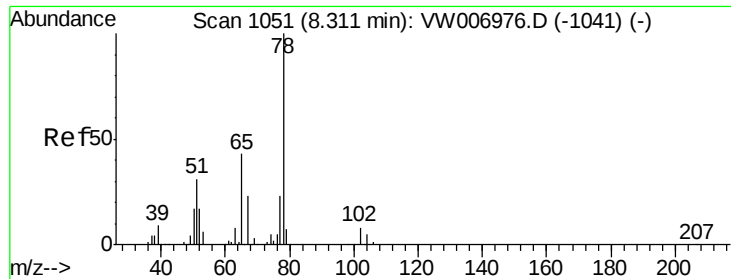
apatel
11/29/2018 12:18:51 PM



#32
1,1,1-Trichloroethane
Concen: 52.860 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.9	77.9
61	41.8	33.4	50.2





#33

1,2-Dichloroethane-d4

Concen: 48.221 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 49836

Ion Ratio Lower Upper

65 100

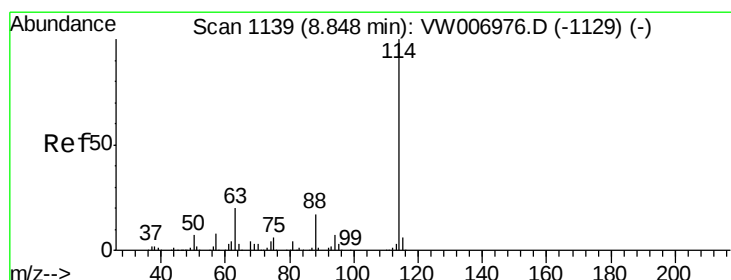
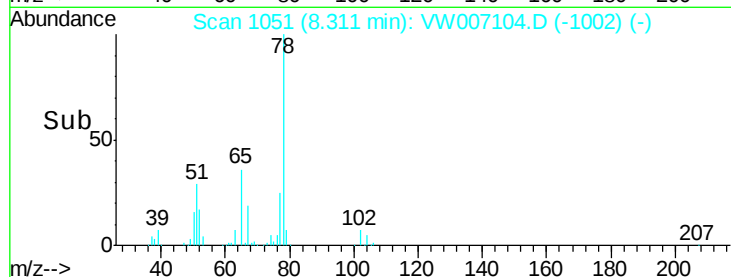
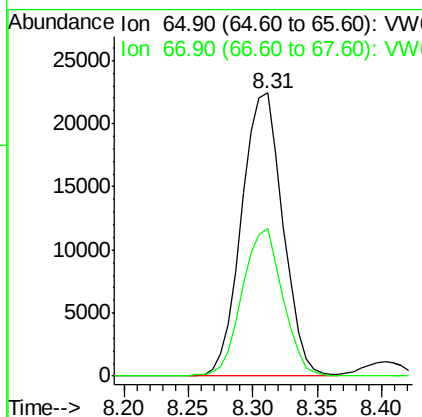
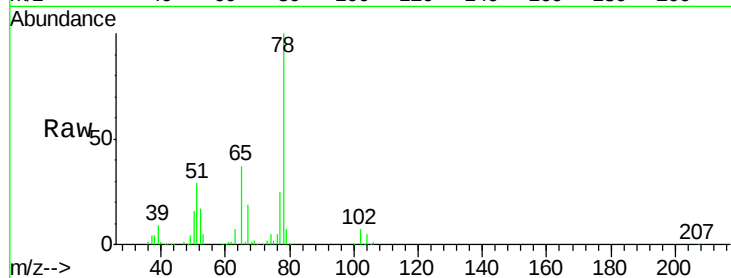
67 51.0 0.0 106.2

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

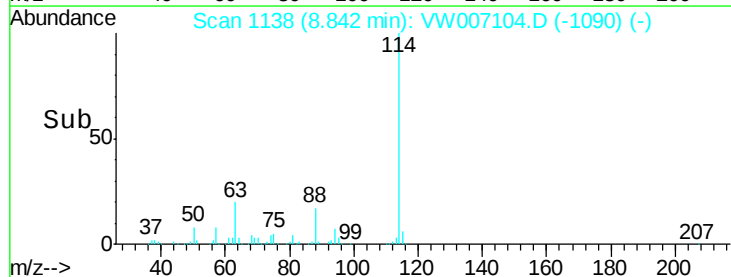
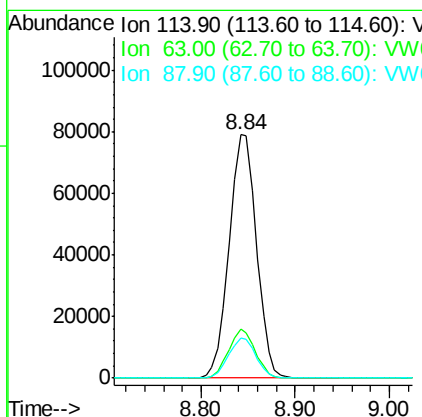
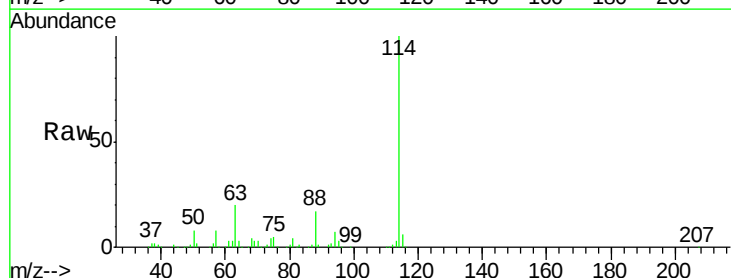
Tgt Ion: 114 Resp: 159271

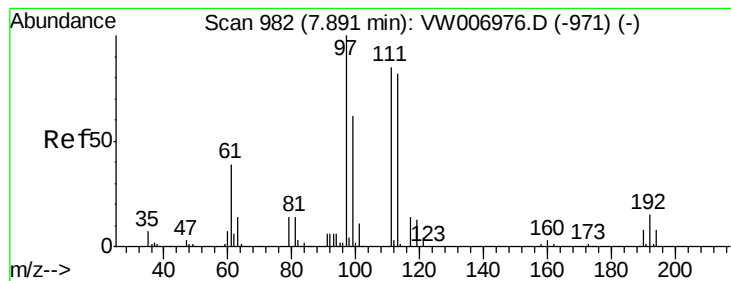
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

88 16.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.298 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

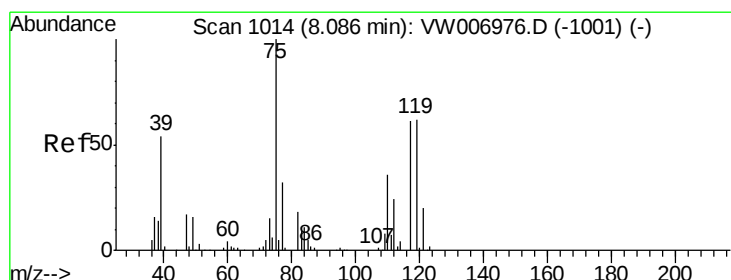
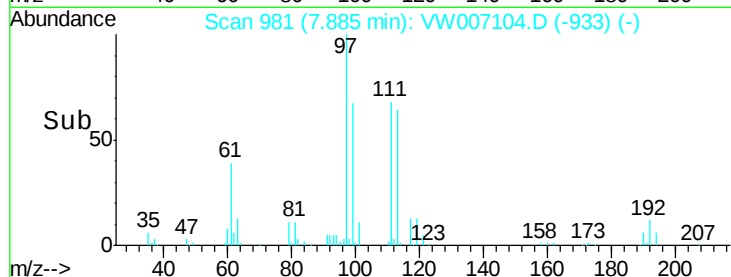
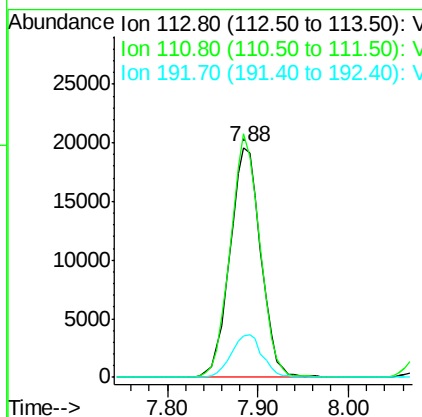
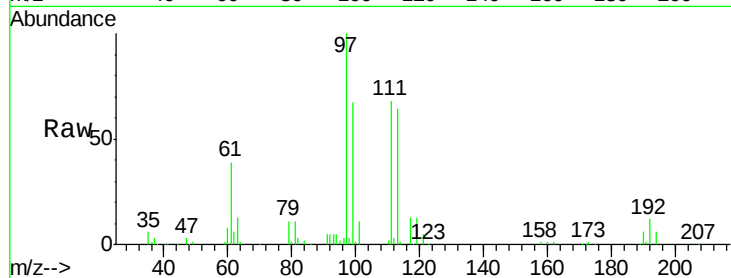
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	46140
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.6
192	18.5	15.0	22.6

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM



#36

1,1-Dichloropropene

Concen: 53.715 ug/l

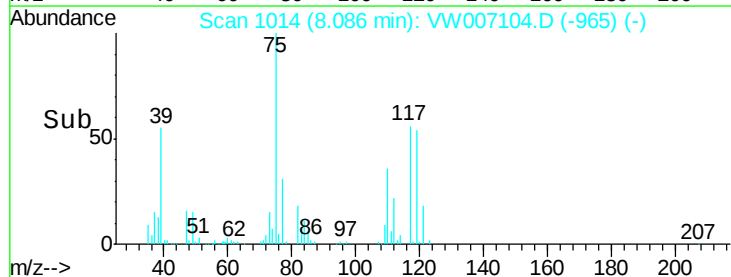
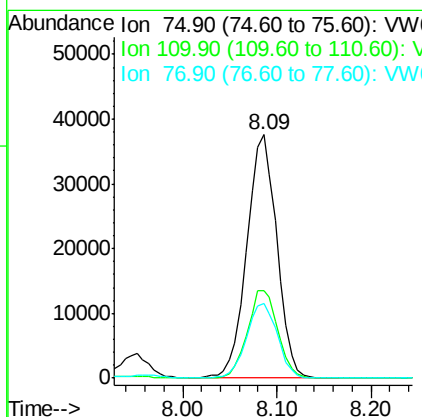
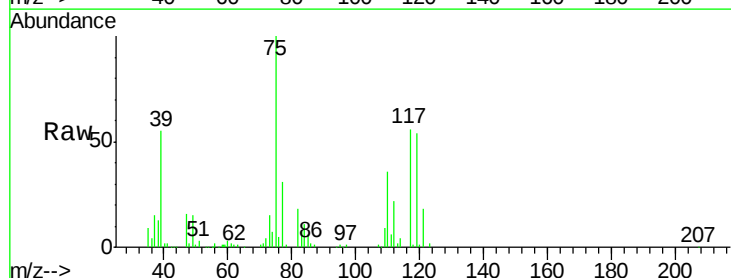
RT: 8.09 min Scan# 1014

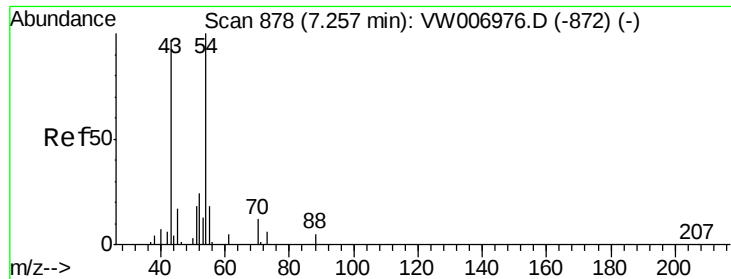
Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion:	75	Resp:	83603
Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.0	54.0
77	31.8	24.9	37.3





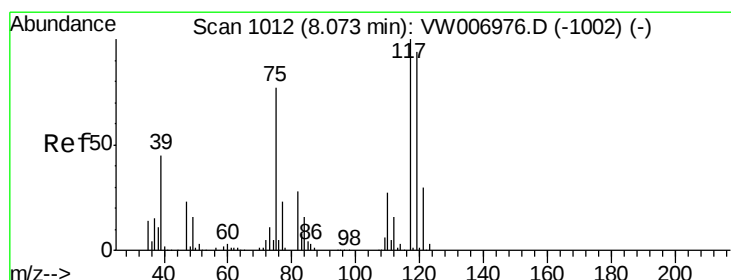
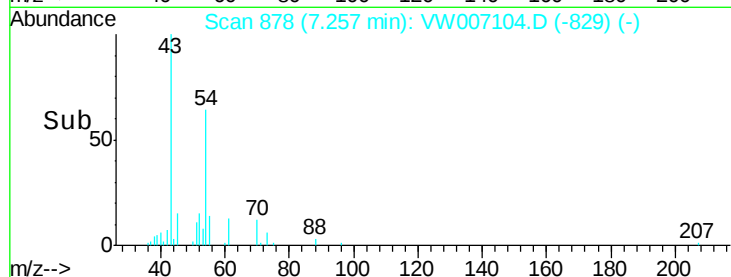
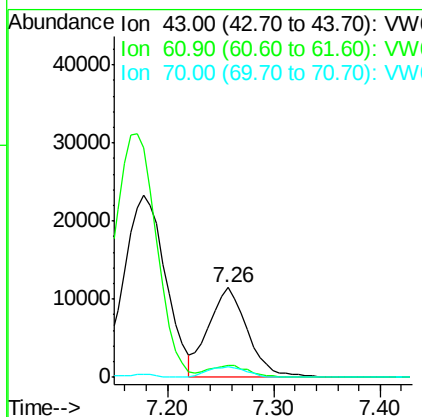
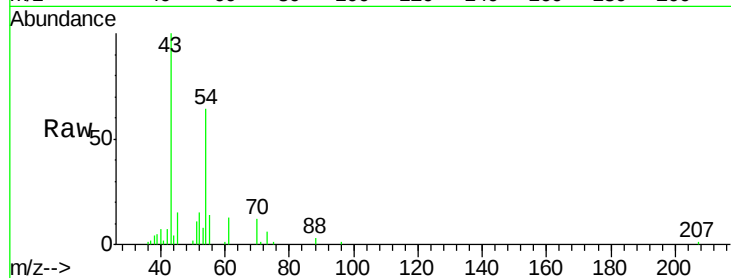
#37
Ethyl Acetate
Concen: 51.638 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.4	15.6
70	11.8	8.8	13.2

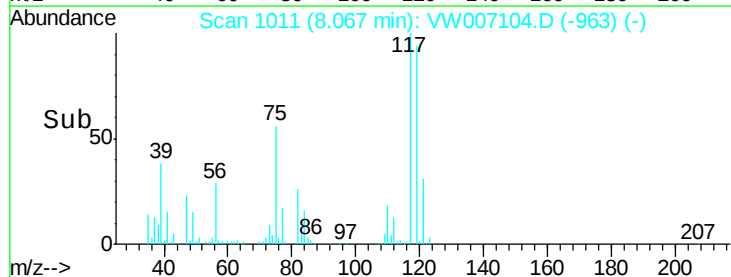
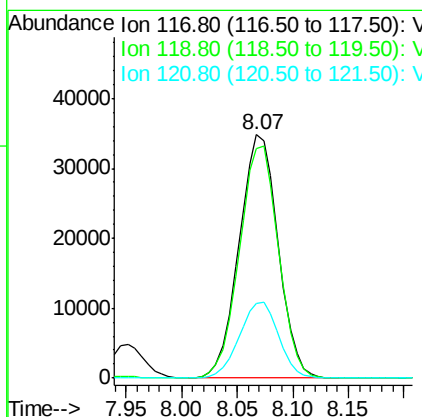
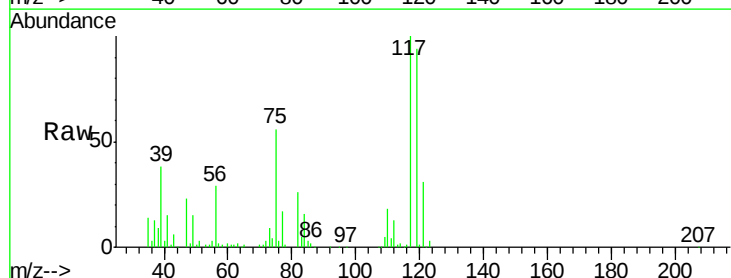
Manual Integrations
APPROVED

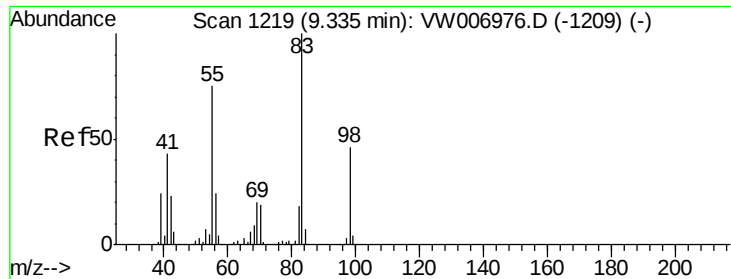
apatel
11/29/2018 12:18:51 PM



#38
Carbon Tetrachloride
Concen: 56.794 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	74.9	112.3
121	30.9	23.6	35.4





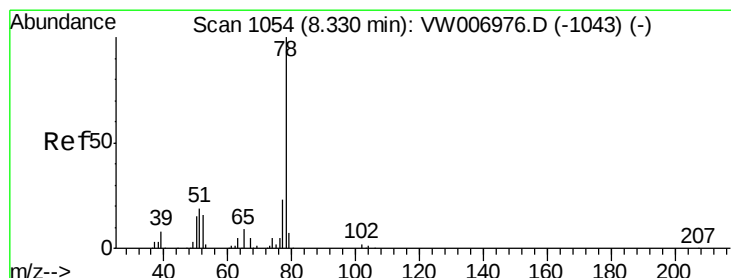
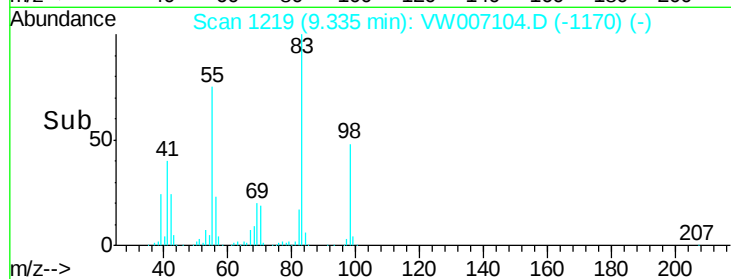
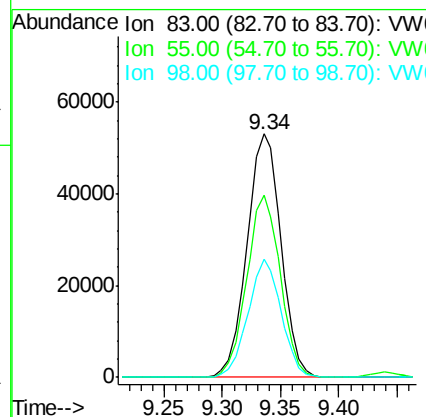
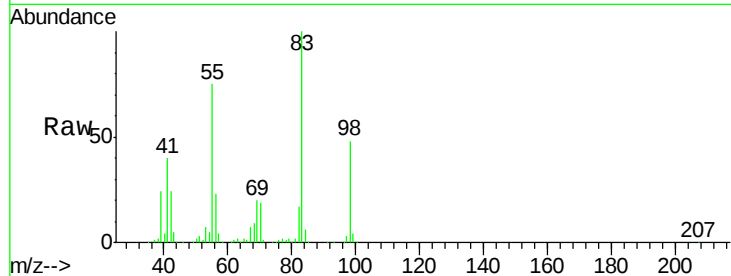
#39
Methvlcvclohexane
Concen: 55.438 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	59.6	89.4
98	48.3	37.1	55.7

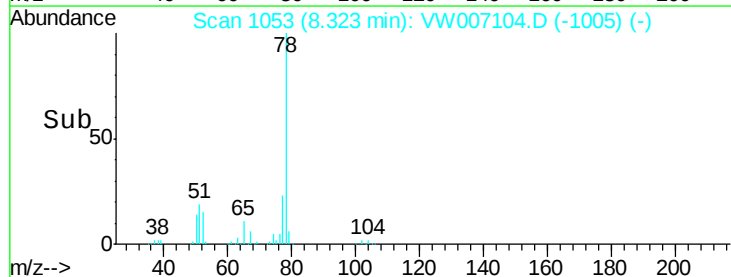
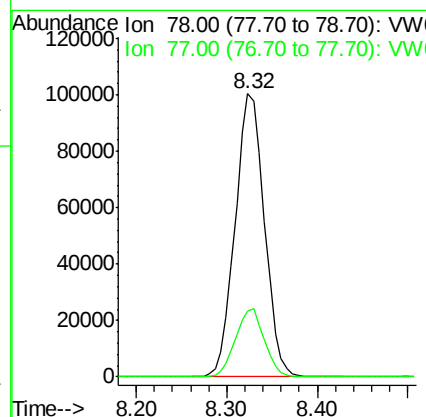
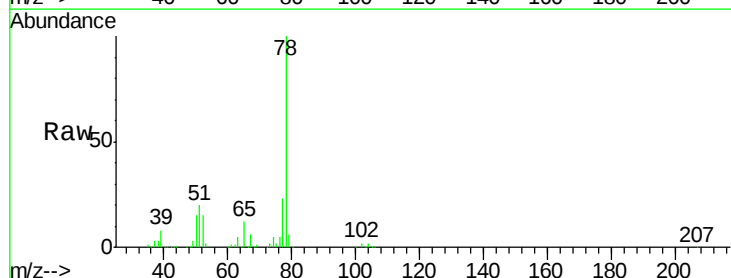
Manual Integrations
APPROVED

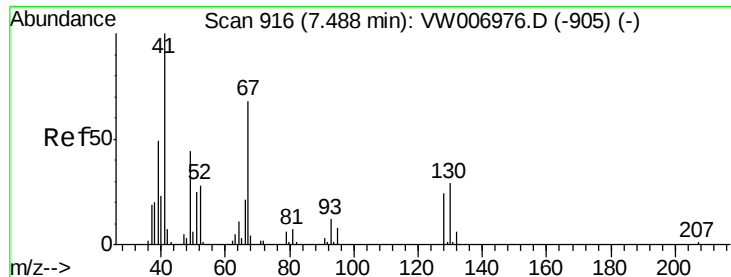
apatel
11/29/2018 12:18:51 PM



#40
Benzene
Concen: 53.436 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





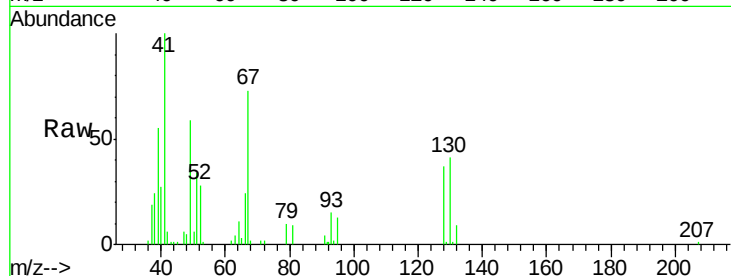
#41
Methacrylonitrile
Concen: 51.022 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

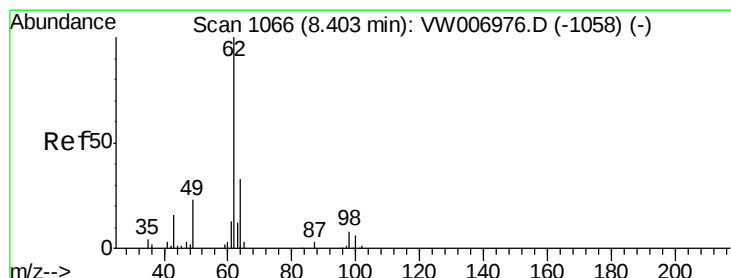
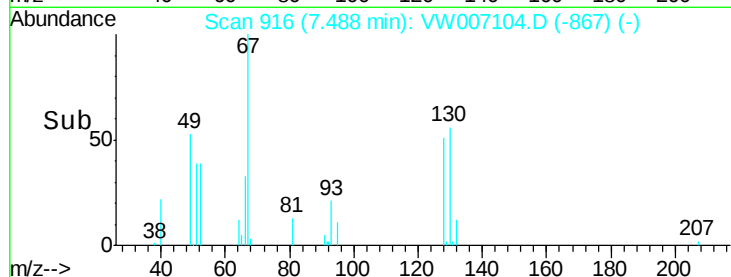
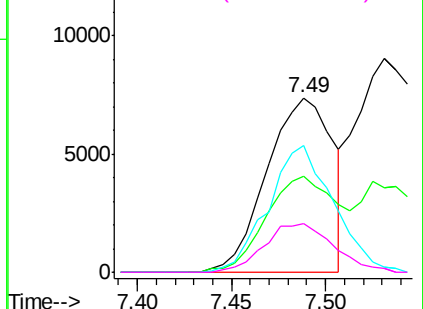
Tot Ion	41	Resp	17871
Ion	Ratio	Lower	Upper
41	100		
39	60.7	48.6	73.0
67	72.1	59.8	89.8
52	29.4	24.8	37.2

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM

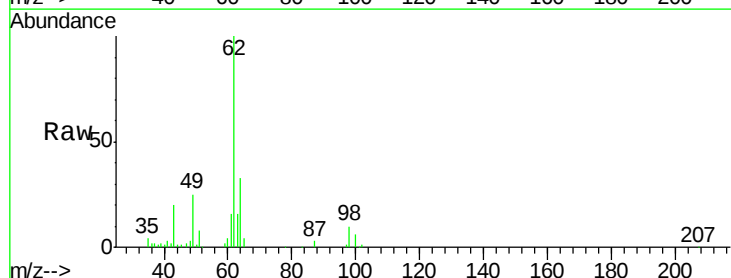


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

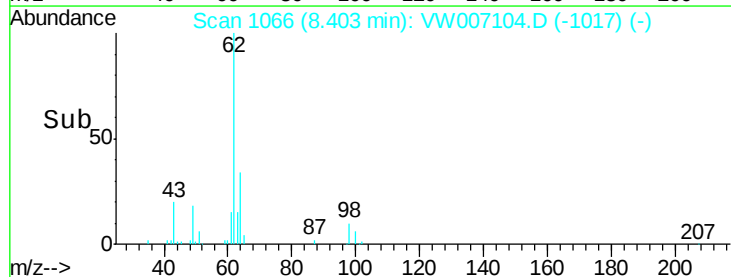
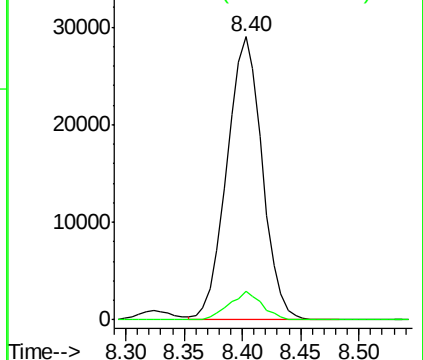


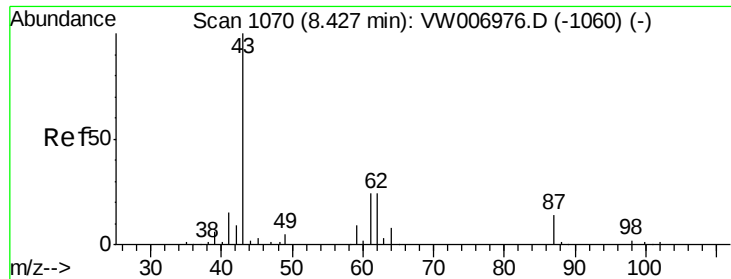
#42
1,2-Dichloroethane
Concen: 50.147 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	62	Resp	61167
Ion	Ratio	Lower	Upper
62	100		
98	9.4	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: 52.353 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

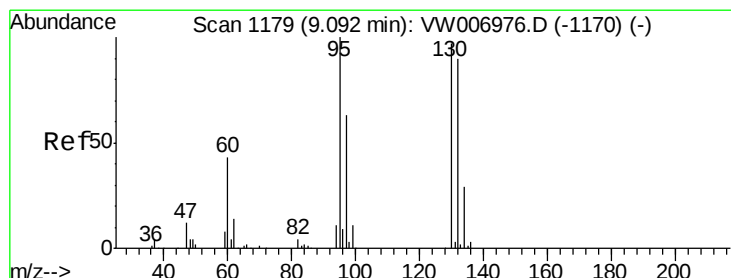
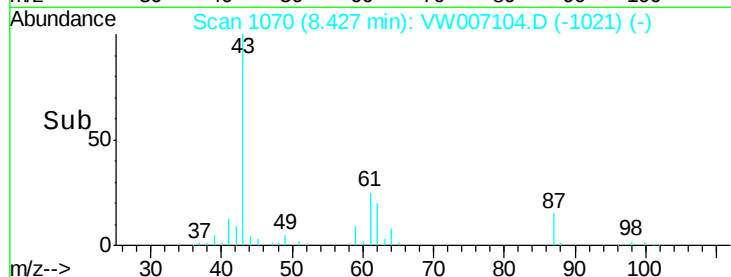
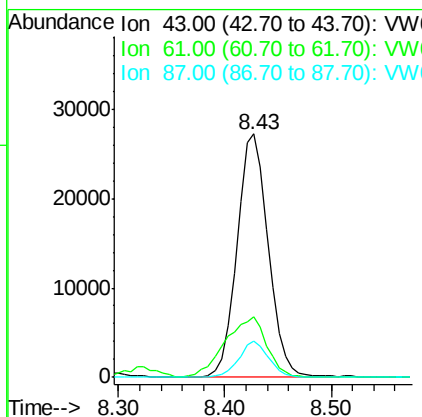
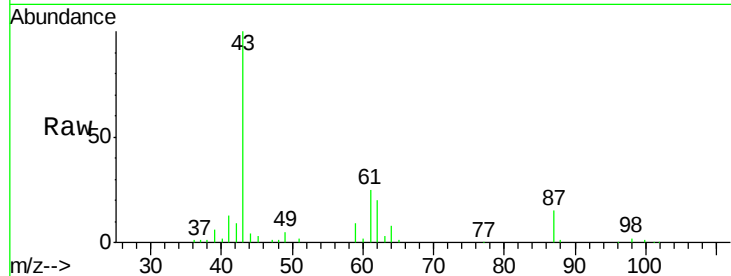
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	56269
Ion	Ratio	Lower	Upper
43	100		
61	32.9	26.1	39.1
87	14.0	11.2	16.8

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM



#44

Trichloroethene

Concen: 54.099 ug/l

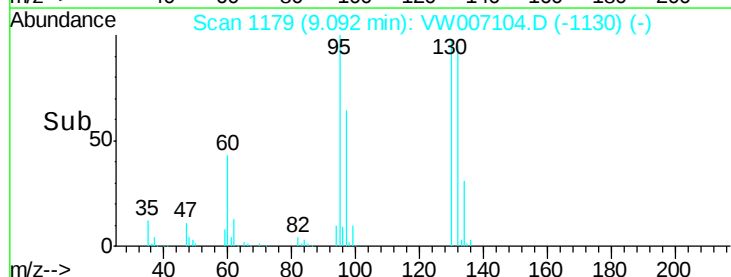
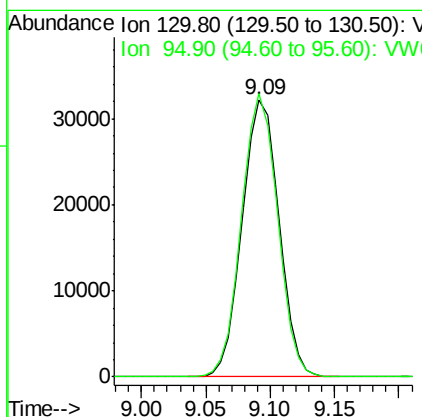
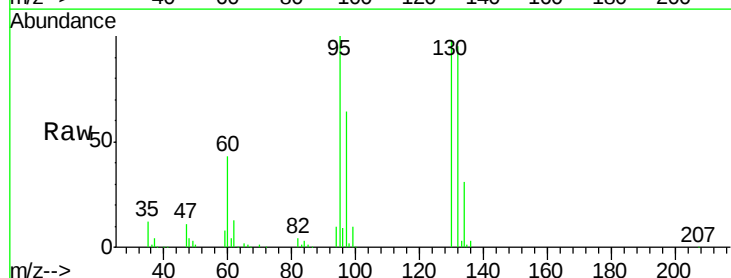
RT: 9.09 min Scan# 1179

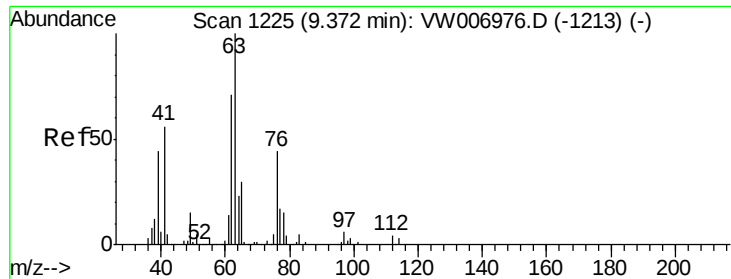
Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion:	130	Resp:	63714
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	206.4





#45

1,2-Dichloropropane

Concen: 51.671 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 53513

Ion Ratio Lower Upper

63 100

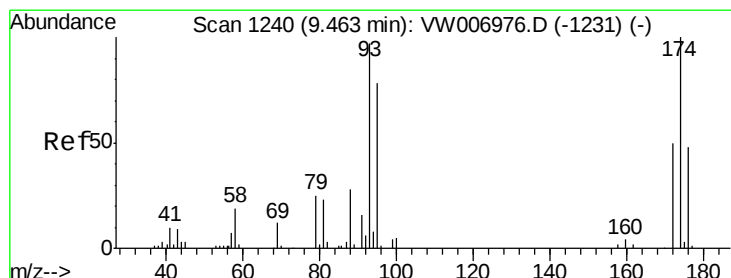
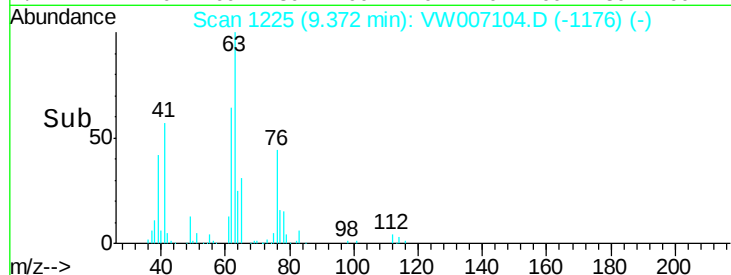
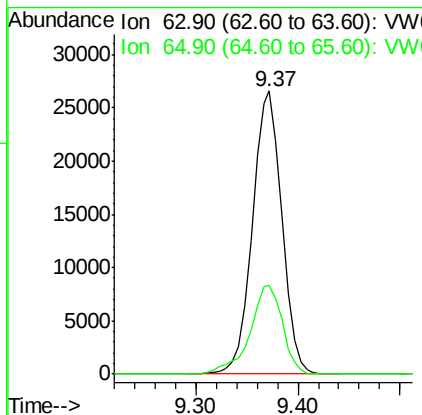
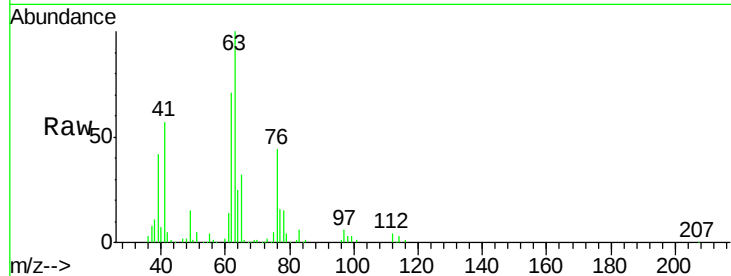
65 31.6 24.4 36.6

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#46

Dibromomethane

Concen: 50.658 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

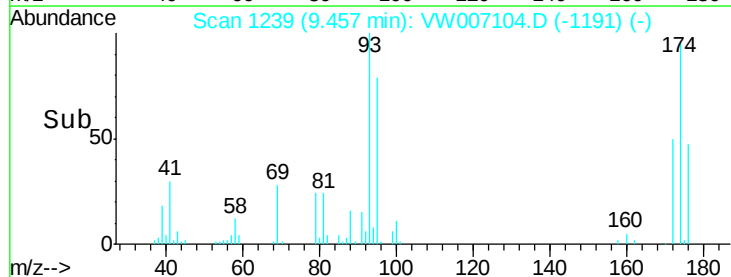
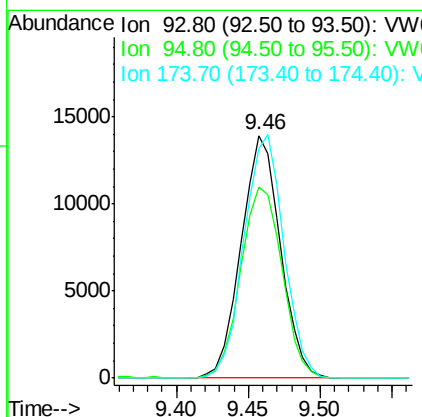
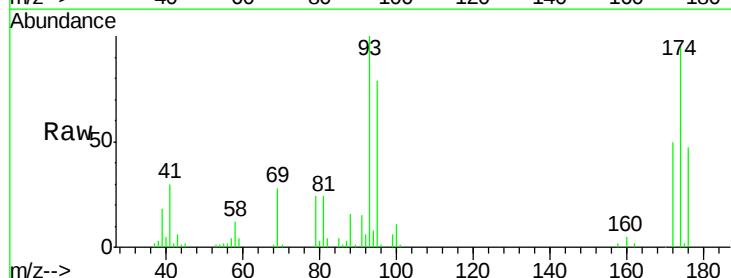
Tgt Ion: 93 Resp: 26273

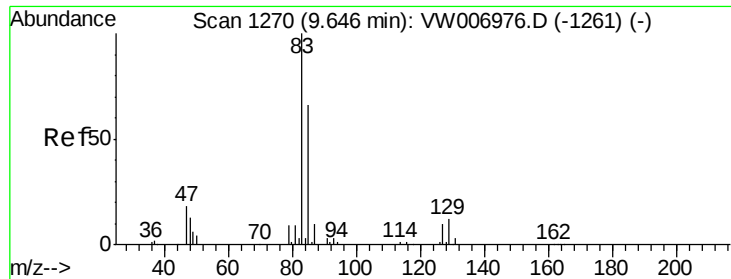
Ion Ratio Lower Upper

93 100

95 83.0 66.1 99.1

174 101.8 79.7 119.5





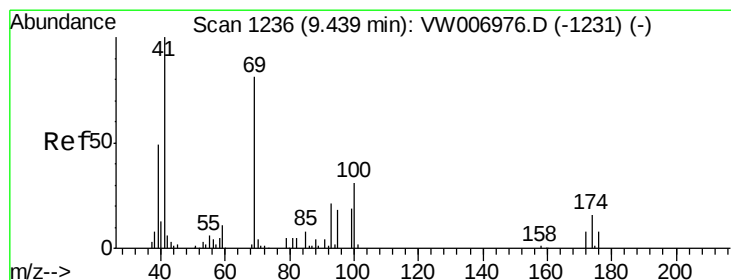
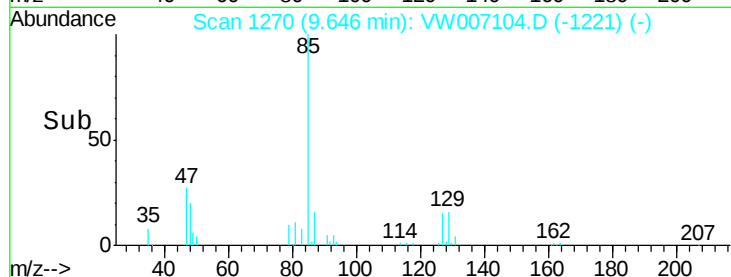
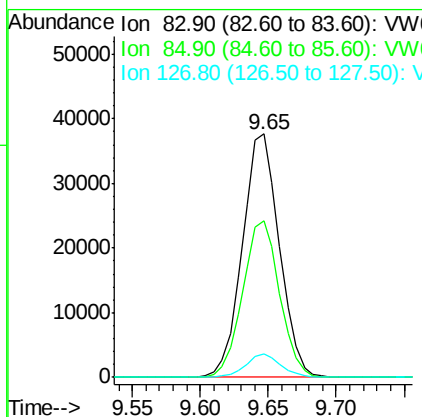
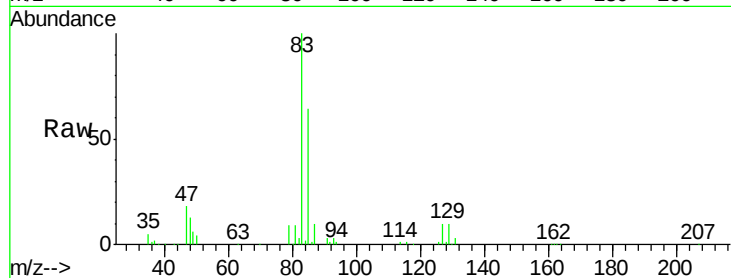
#47
Bromodichloromethane
Concen: 52.328 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.9	79.3
127	9.8	7.8	11.6

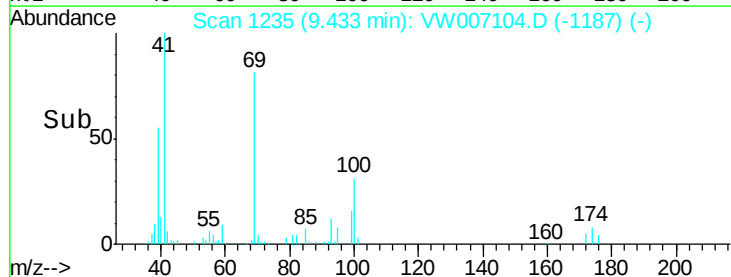
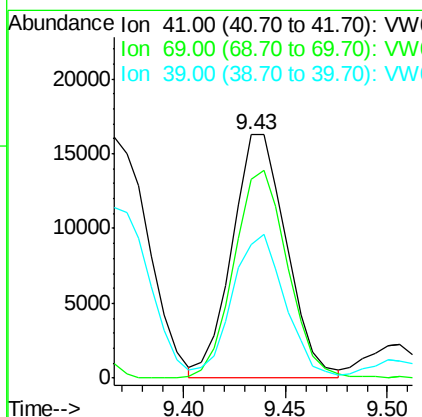
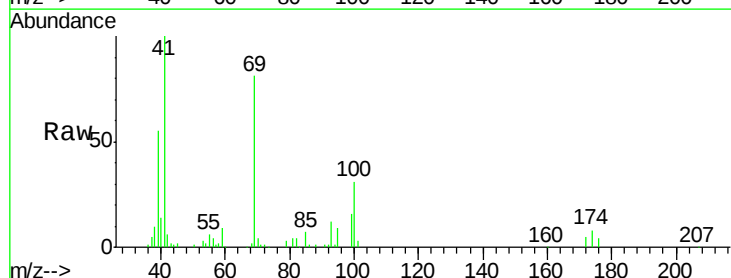
Manual Integrations
APPROVED

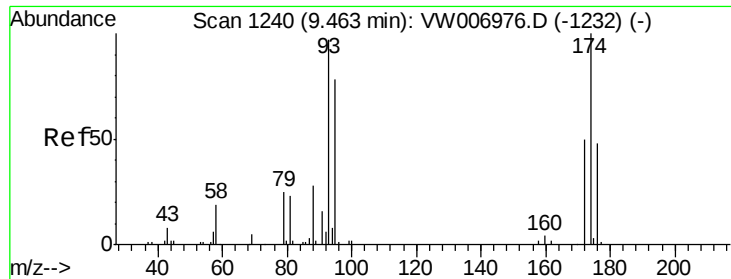
apatel
11/29/2018 12:18:51 PM



#48
Methyl methacrylate
Concen: 58.359 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.0	71.4	107.0
39	54.5	44.8	67.2





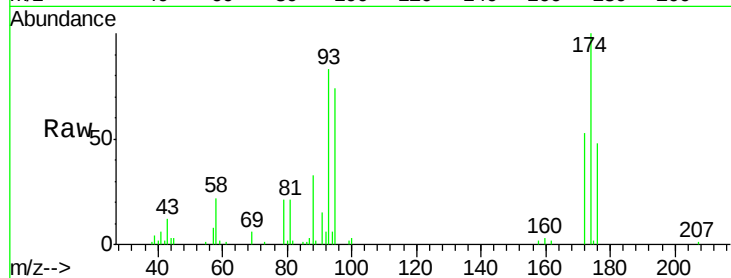
#49
1,4-Dioxane
Concen: 1203.474 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	70.8	59.0	88.6

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM

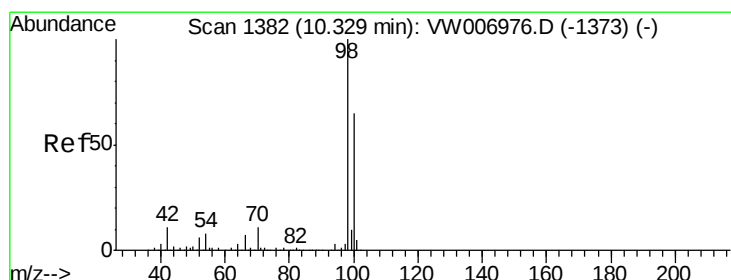
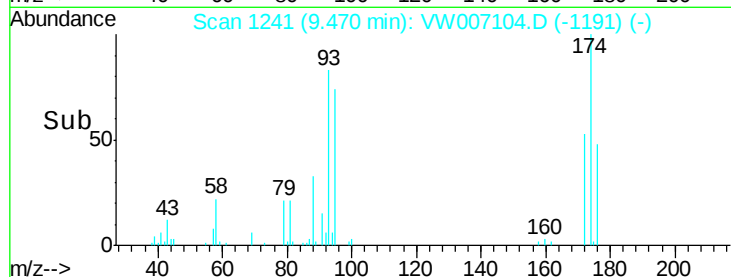
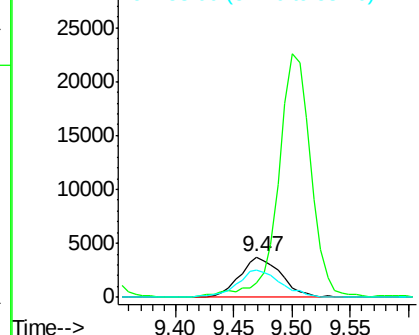


Abundance

Ion 88.00 (87.70 to 88.70): VW

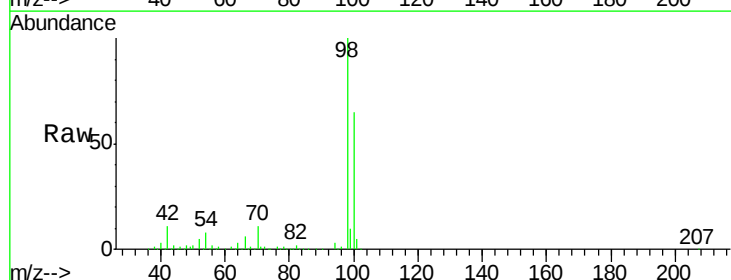
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 53.335 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

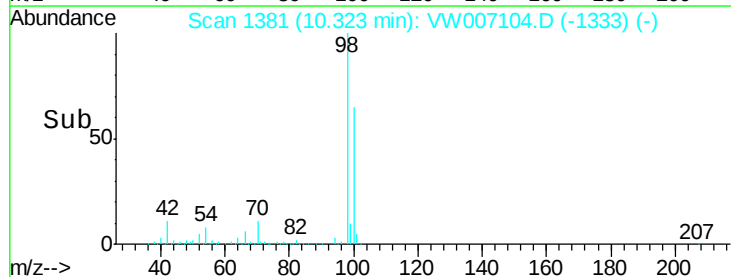
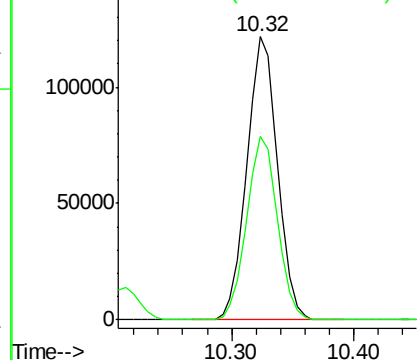
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2

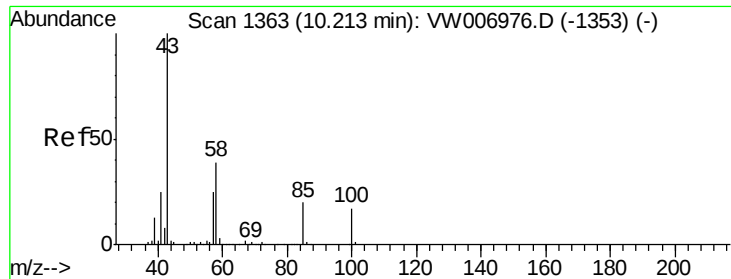


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 257.157 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 139676

Ion Ratio Lower Upper

43 100

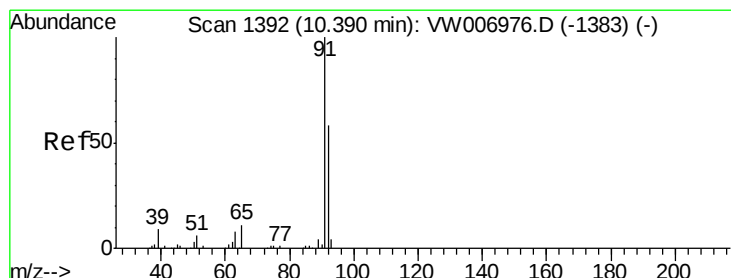
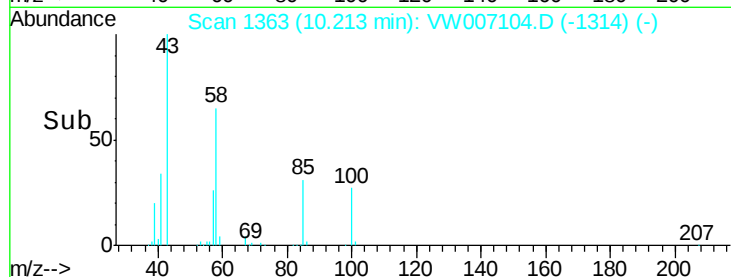
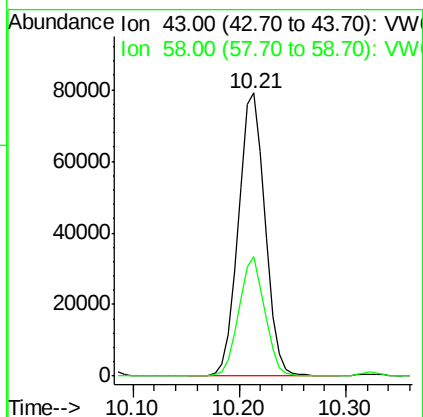
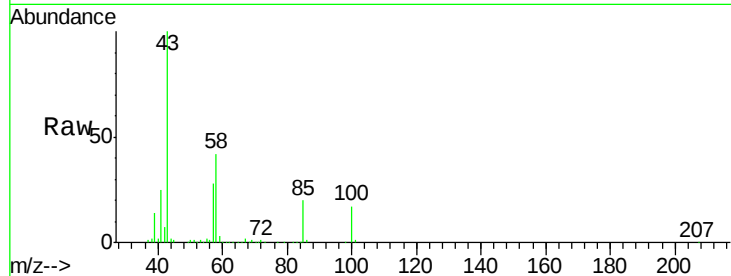
58 40.8 31.8 47.6

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#52

Toluene

Concen: 55.254 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007104.D

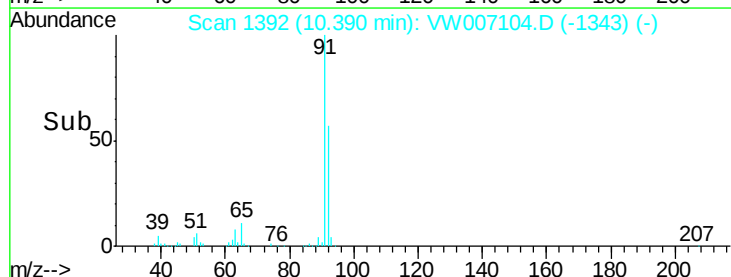
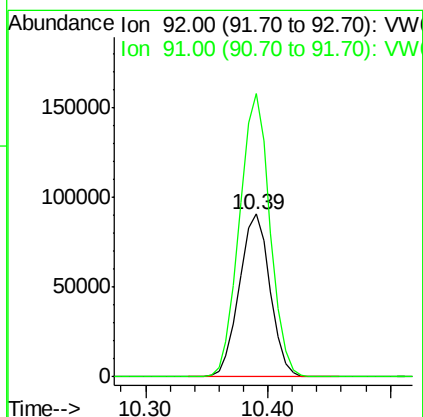
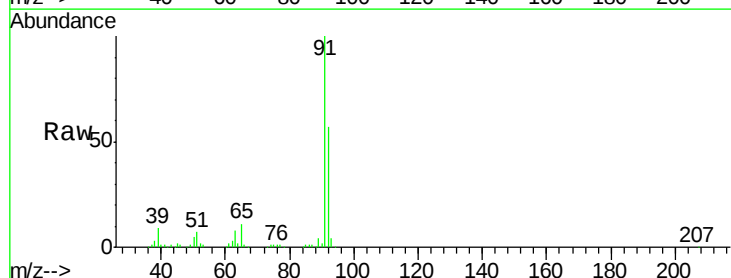
Acq: 28 Nov 2018 10:53

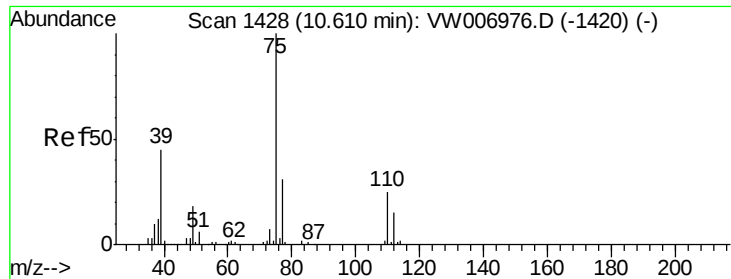
Tgt Ion: 92 Resp: 157982

Ion Ratio Lower Upper

92 100

91 172.3 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 55.445 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 73393

Ion Ratio Lower Upper

75 100

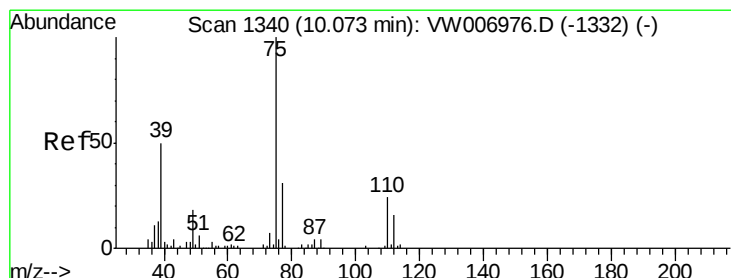
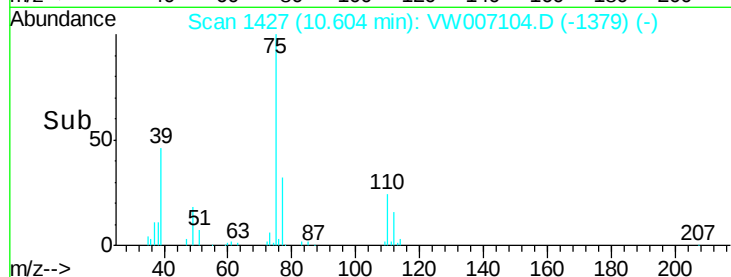
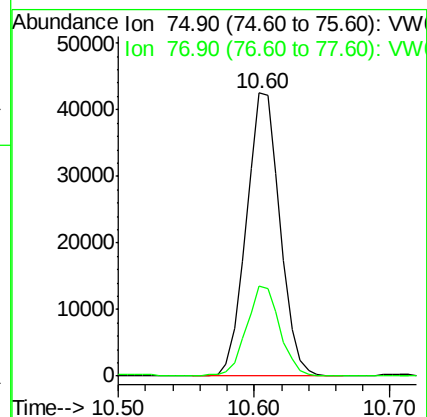
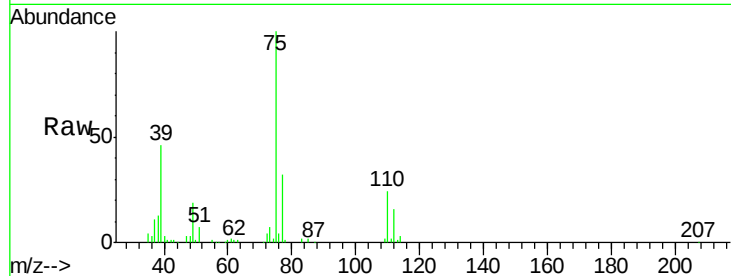
77 31.7 24.7 37.1

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#54

cis-1,3-Dichloropropene

Concen: 54.589 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

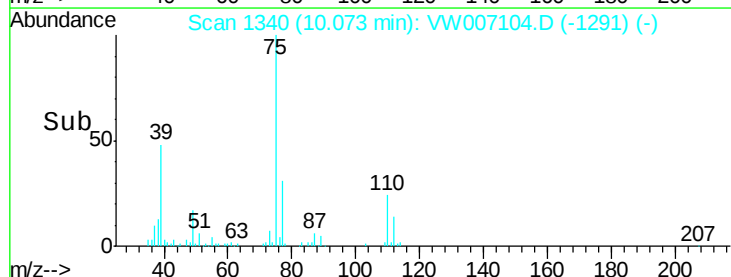
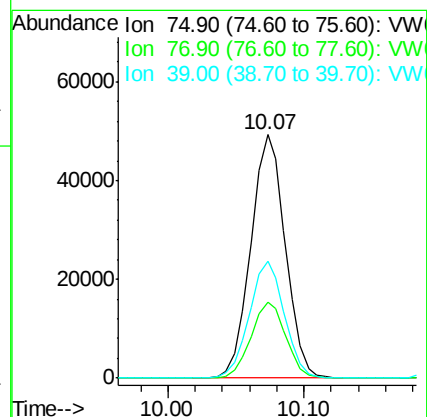
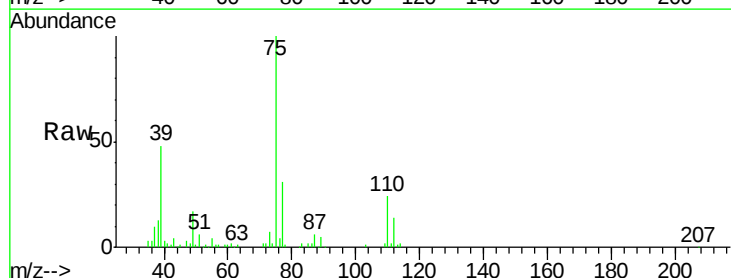
Tgt Ion: 75 Resp: 87299

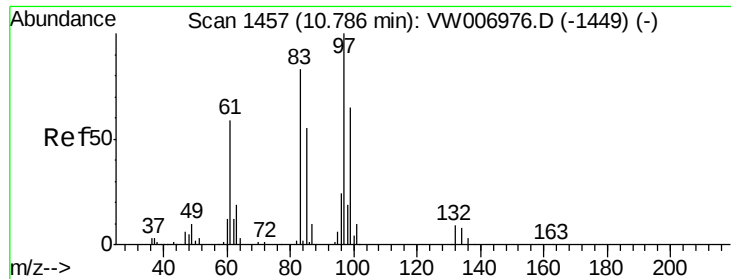
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 48.1 39.9 59.9





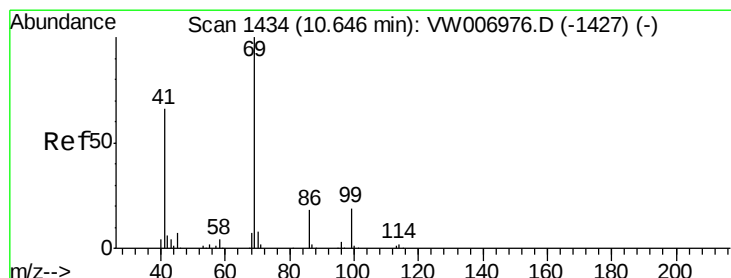
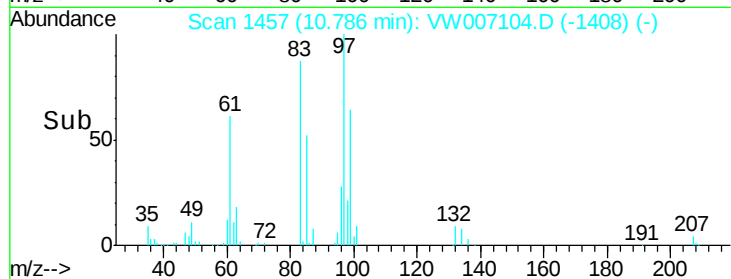
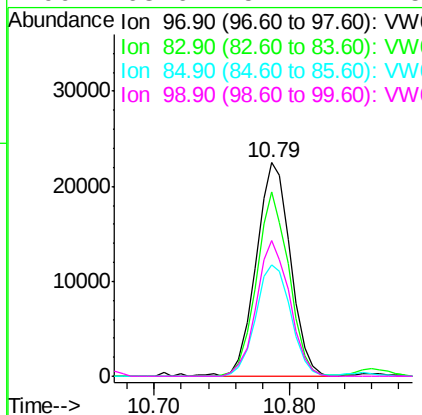
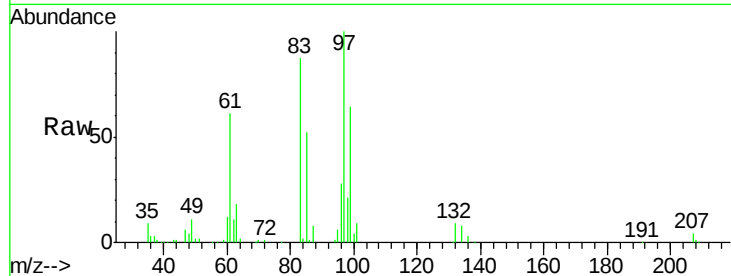
#55
 1,1,2-Trichloroethane
 Concen: 51.977 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	39661
Ion	Ratio	Lower	Upper
97	100		
83	86.5	66.4	99.6
85	52.1	44.1	66.1
99	63.6	51.7	77.5

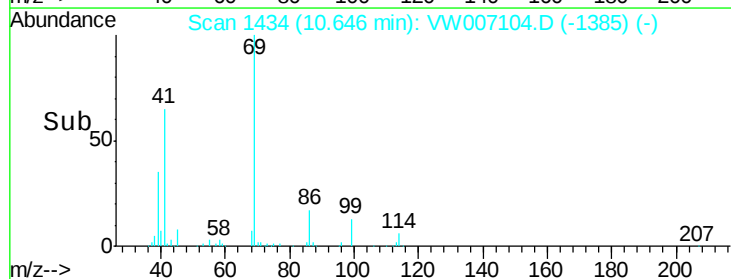
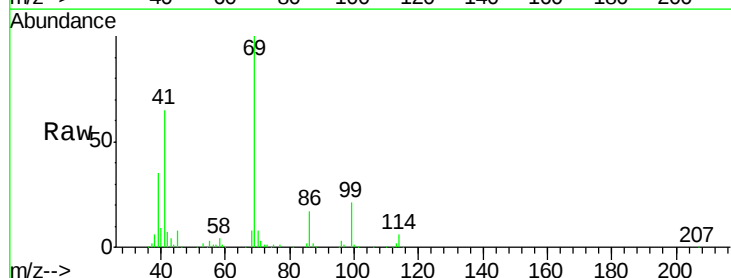
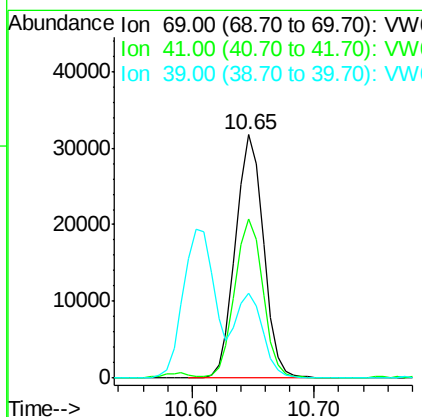
Manual Integrations
 APPROVED

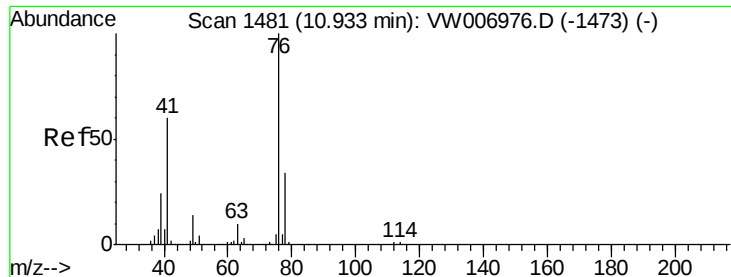
apatel
 11/29/2018 12:18:51 PM



#56
 Ethyl methacrylate
 Concen: 56.938 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion:	69	Resp:	50432
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.4	80.0
39	34.1	28.2	42.4





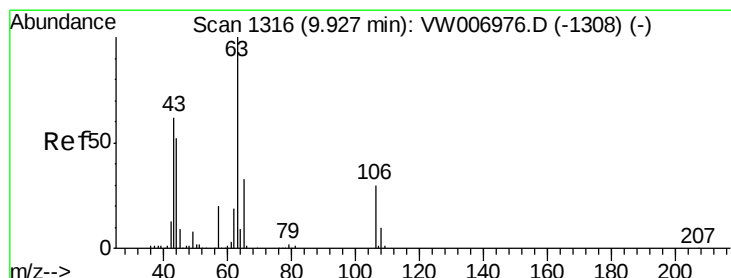
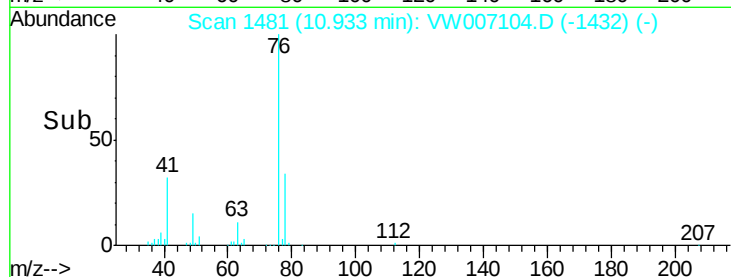
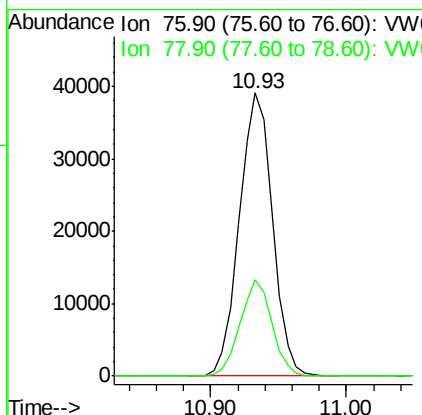
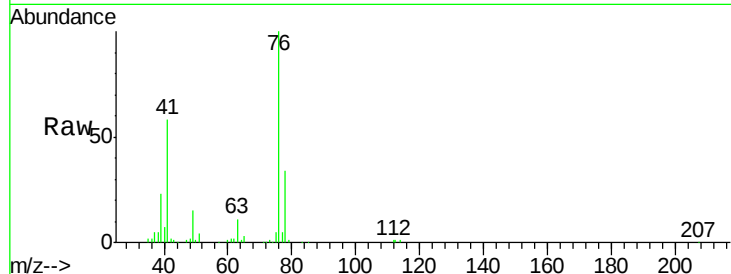
#57
 1,3-Dichloropropane
 Concen: 52.083 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 66600
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6

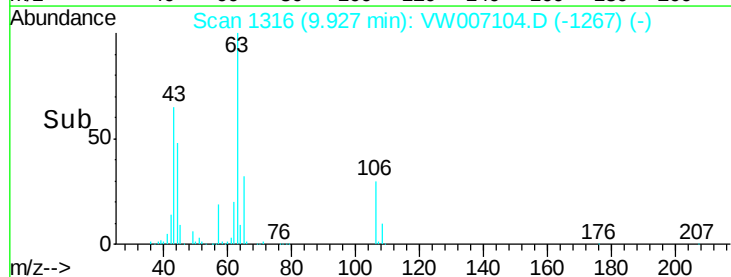
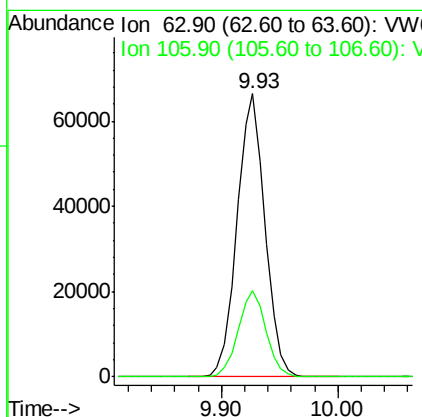
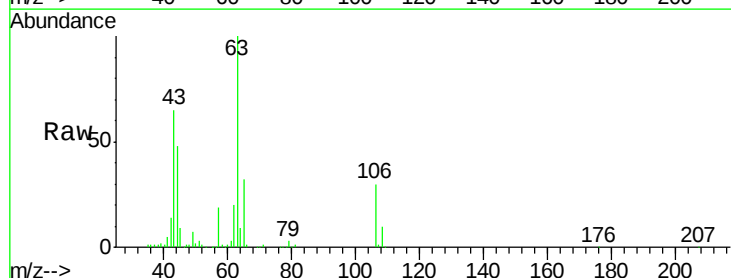
Manual Integrations
 APPROVED

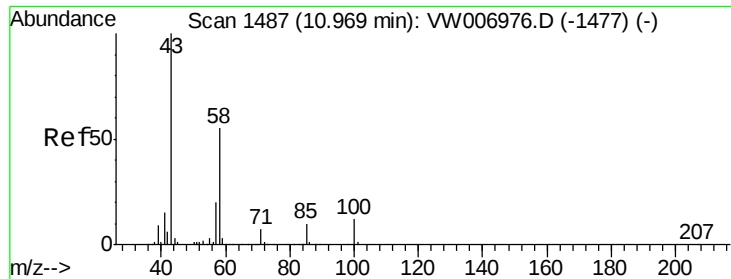
apatel
 11/29/2018 12:18:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.866 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion: 63 Resp: 110557
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.5 35.3





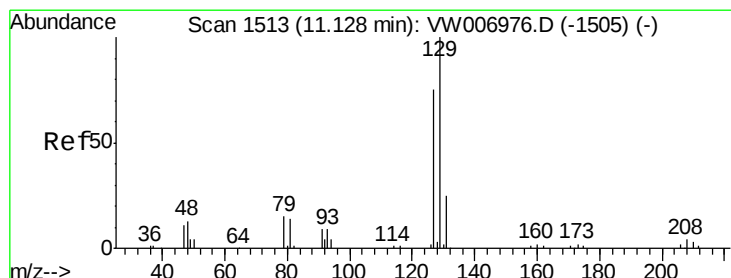
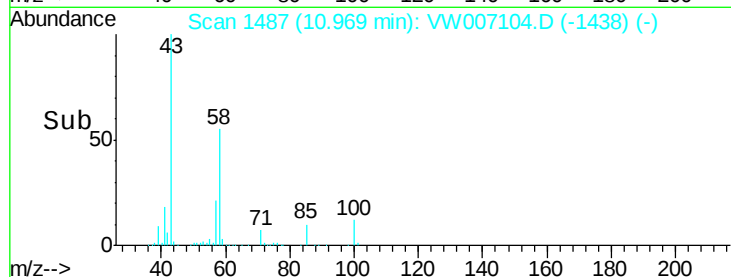
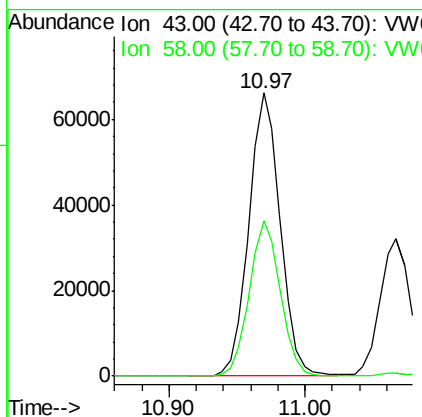
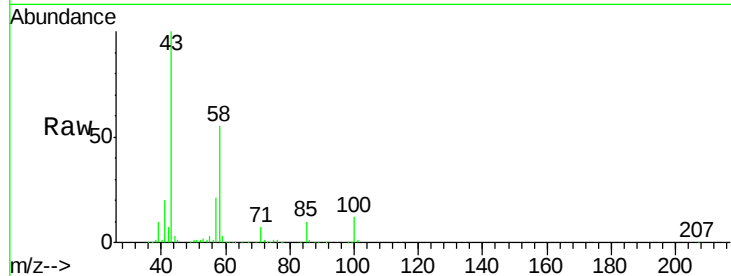
#59
2-Hexanone
Concen: 287.229 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	106834
Ion Ratio	43	100	
Lower	58	54.5	27.3
Upper			81.8

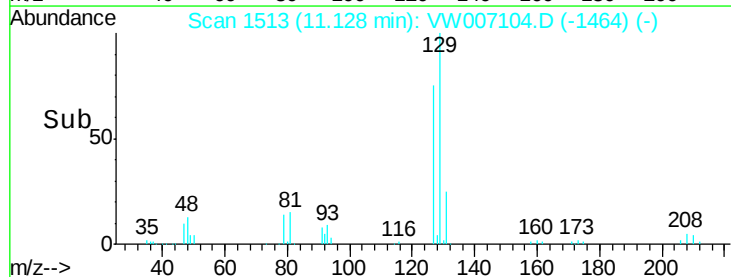
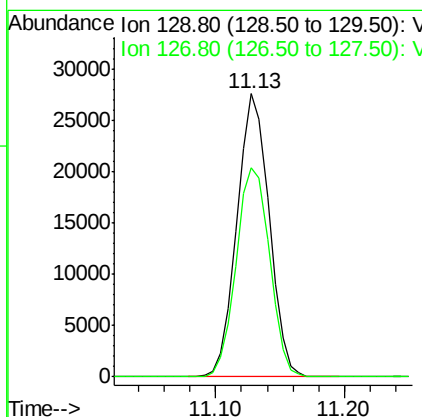
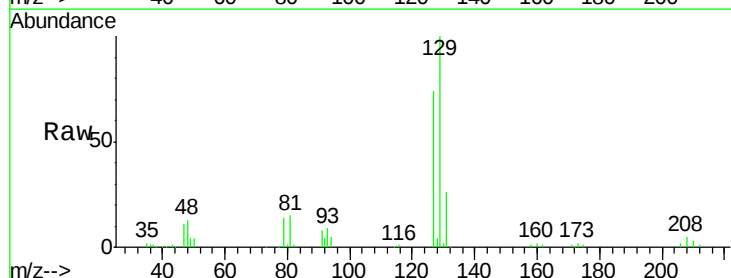
Manual Integrations
APPROVED

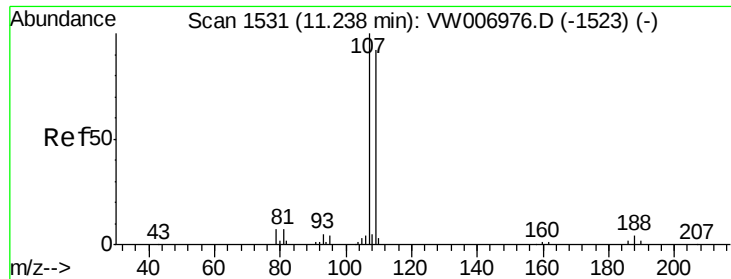
apatel
11/29/2018 12:18:51 PM



#60
Dibromochloromethane
Concen: 54.983 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	129	Resp	47806
Ion Ratio	129	100	
Lower	127	76.8	38.3
Upper			114.8





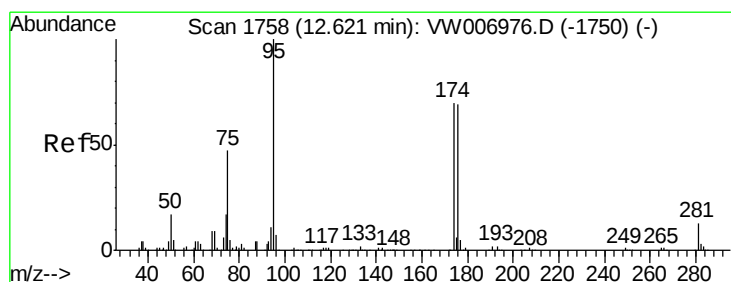
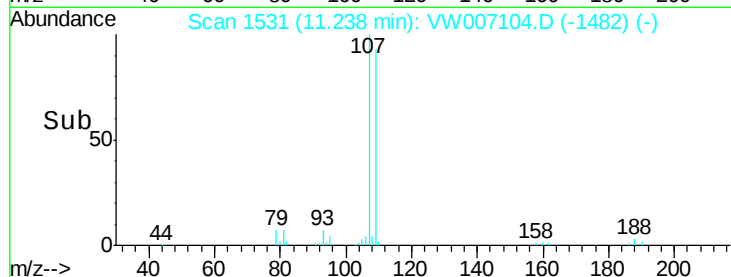
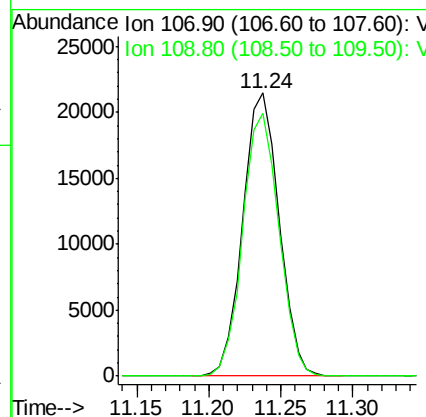
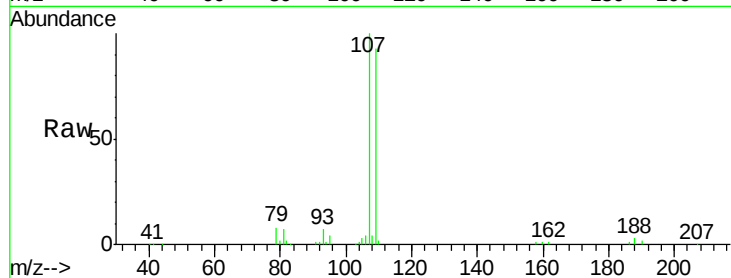
#61
 1,2-Dibromoethane
 Concen: 53.732 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.1	112.7

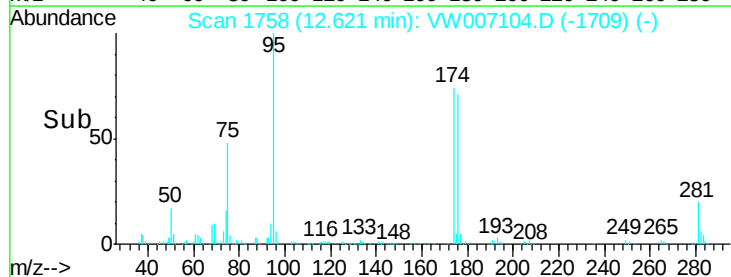
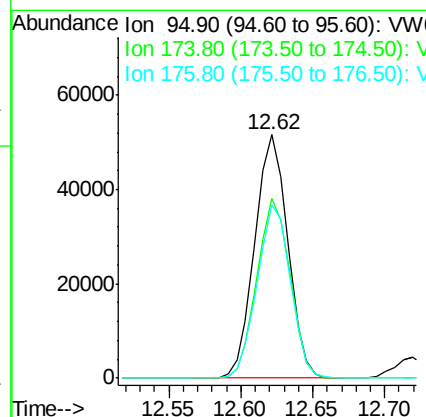
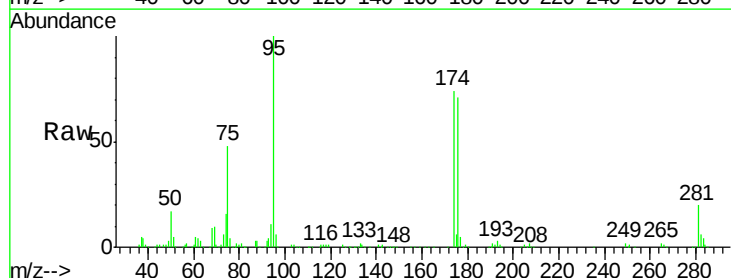
Manual Integrations
 APPROVED

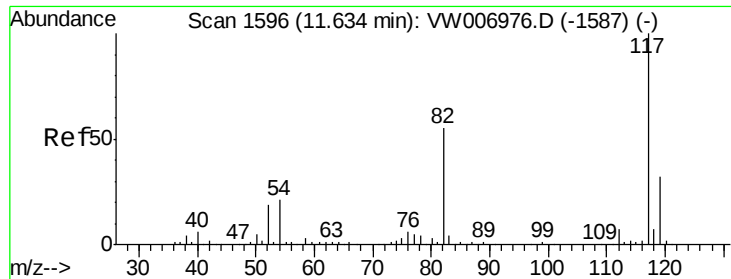
apatel
 11/29/2018 12:18:51 PM



#62
 4-Bromofluorobenzene
 Concen: 52.270 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	143.6
176	71.9	0.0	140.4





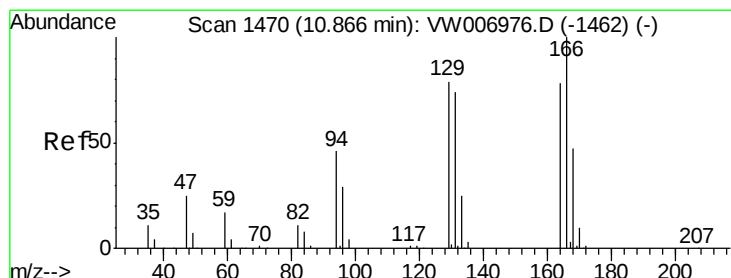
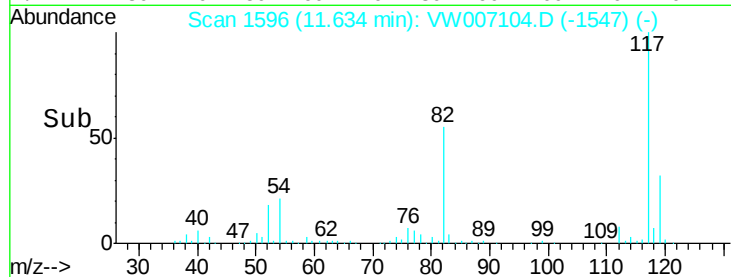
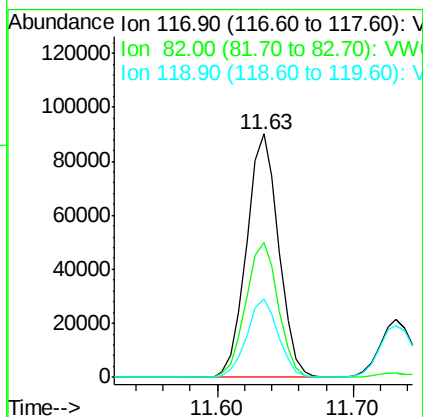
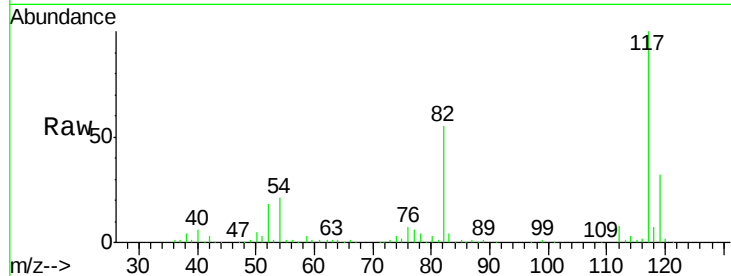
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.2	66.2
119	32.3	25.9	38.9

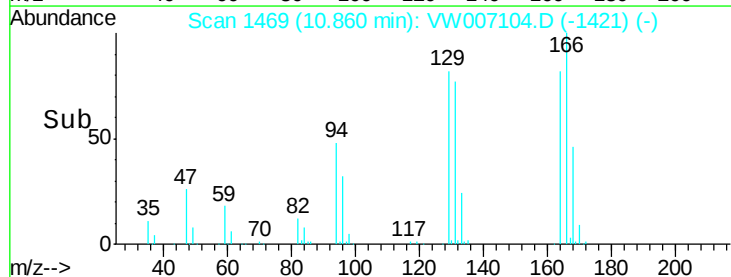
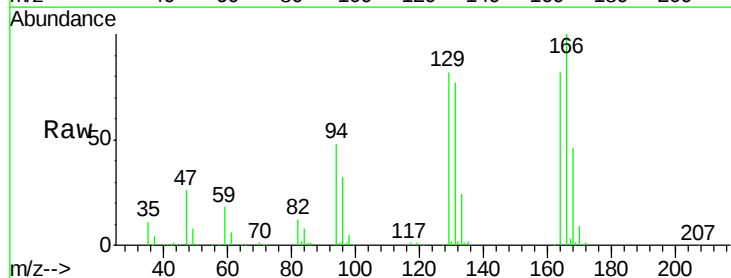
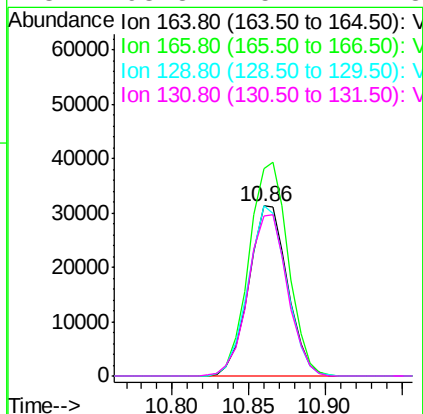
Manual Integrations
APPROVED

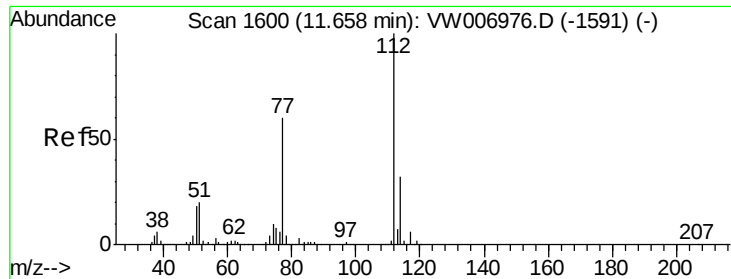
apatel
11/29/2018 12:18:51 PM



#64
Tetrachloroethene
Concen: 57.434 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	102.1	153.1
129	99.9	80.4	120.6
131	93.8	75.2	112.8





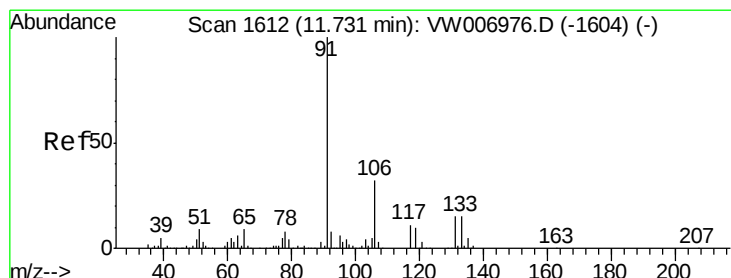
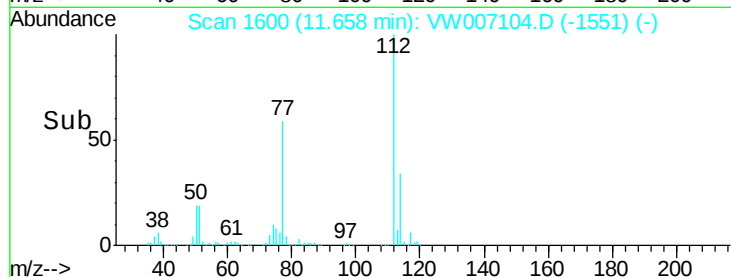
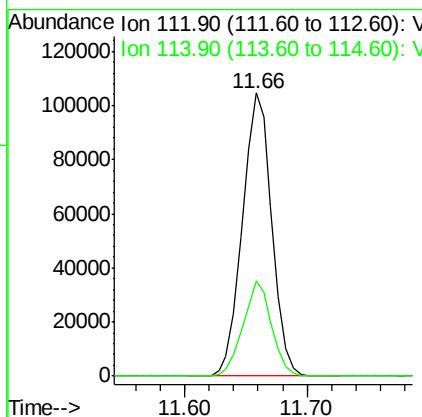
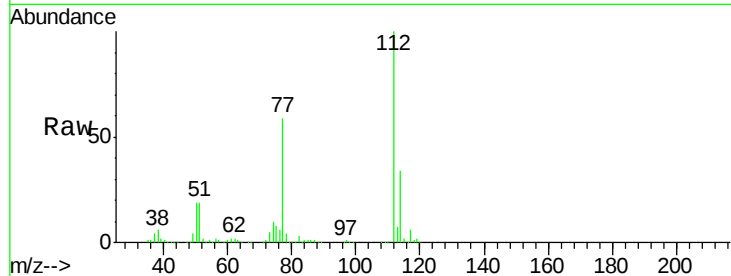
#65
Chlorobenzene
Concen: 55.891 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.8	38.8

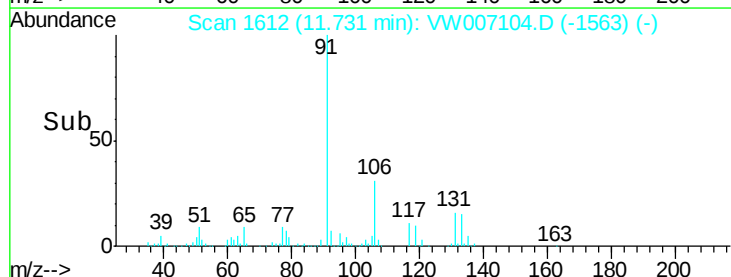
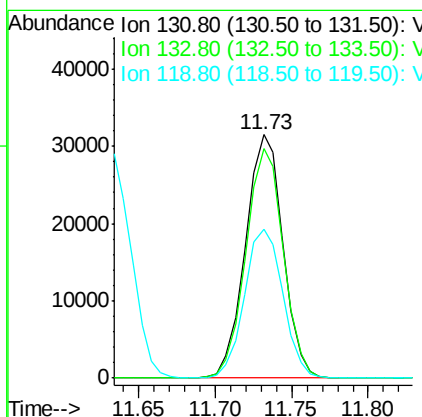
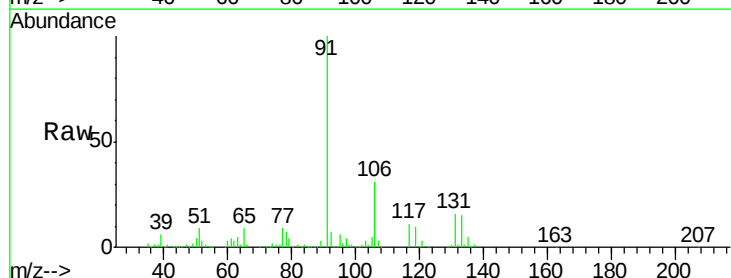
Manual Integrations
APPROVED

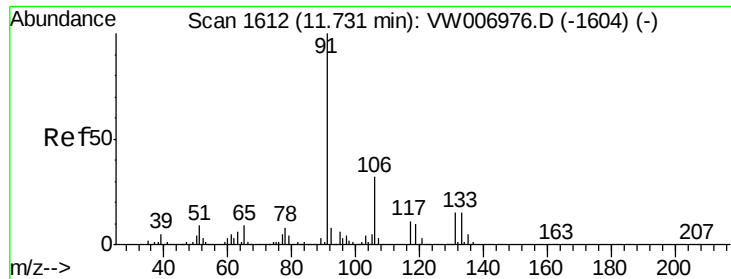
apatel
11/29/2018 12:18:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.015 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.7	143.1
119	63.0	31.8	95.3





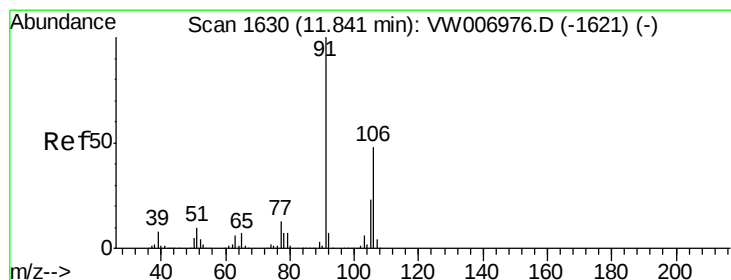
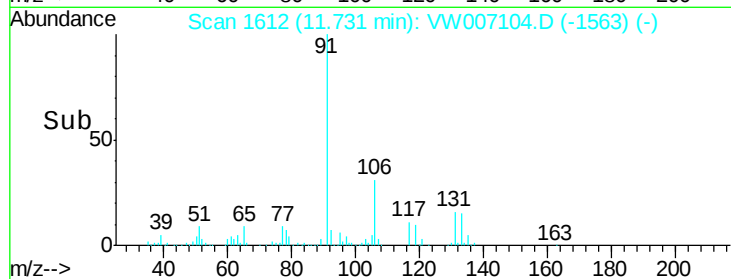
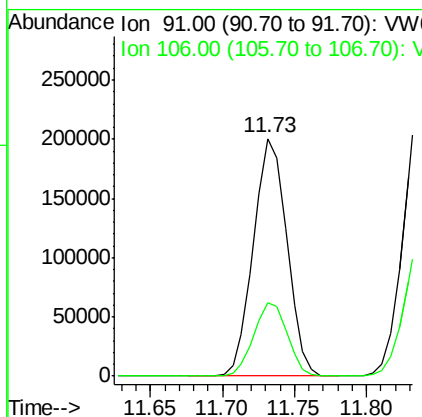
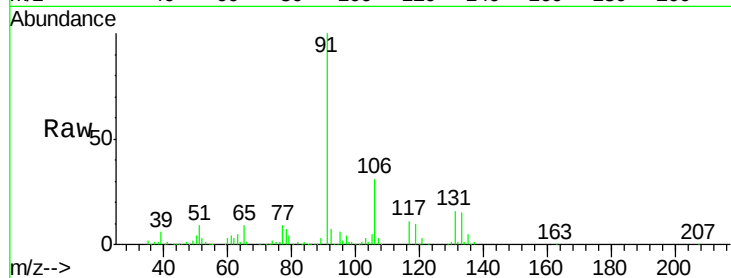
#67
Ethyl Benzene
Concen: 56.532 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 322552
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2

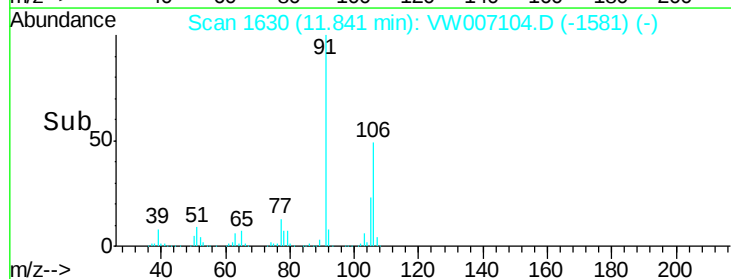
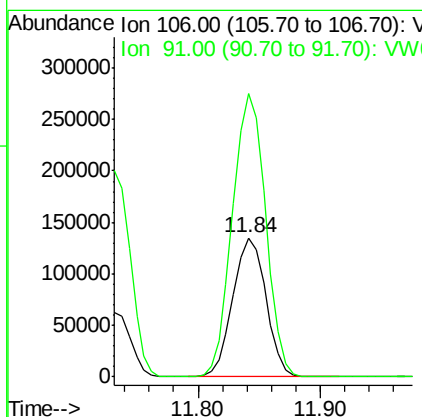
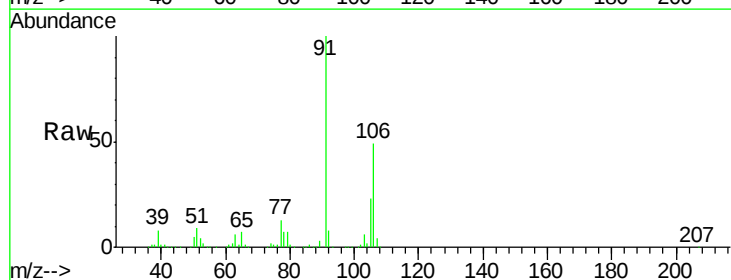
Manual Integrations
APPROVED

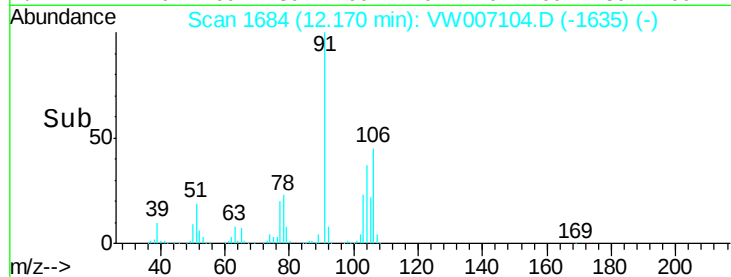
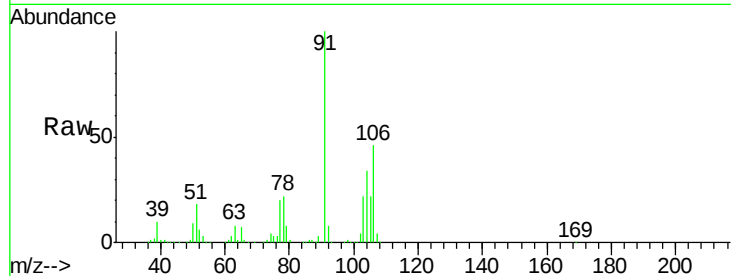
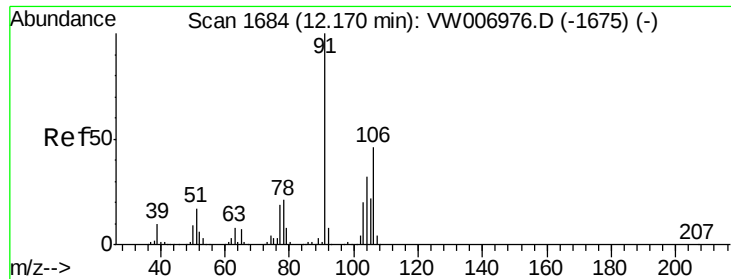
apatel
11/29/2018 12:18:51 PM



#68
m/p-Xylenes
Concen: 113.357 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion: 106 Resp: 253751
Ion Ratio Lower Upper
106 100
91 204.0 164.8 247.2





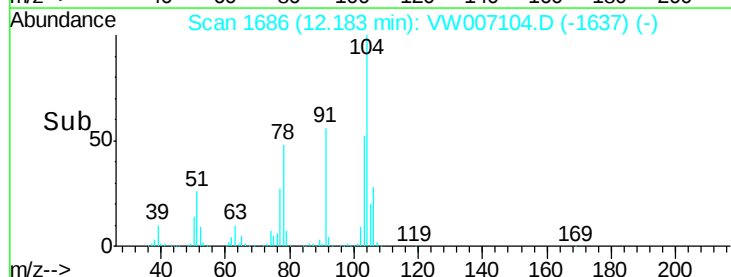
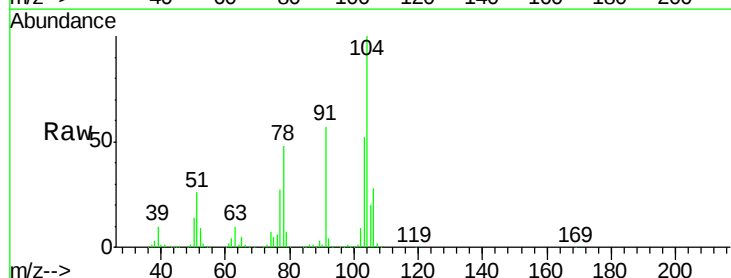
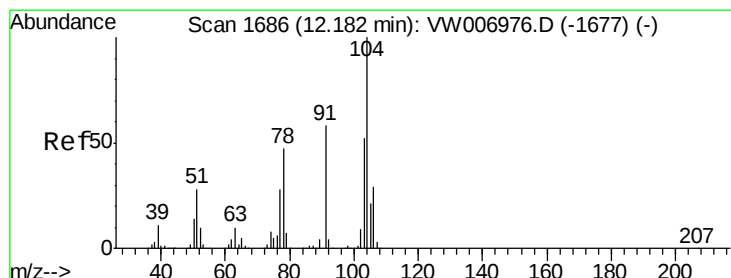
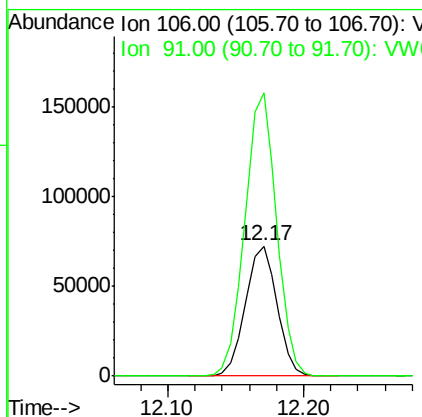
#69
o-Xylene
Concen: 56.133 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tot Ion:106 Resp: 118482
Ion Ratio Lower Upper
106 100
91 217.1 107.9 323.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

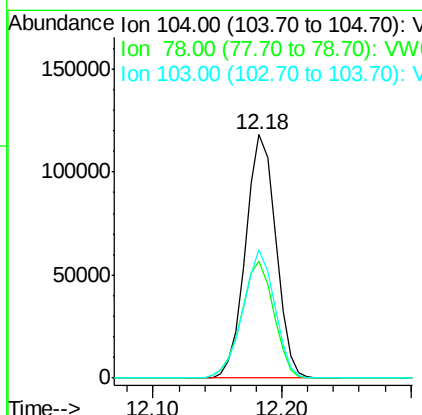
Manual Integrations
APPROVED

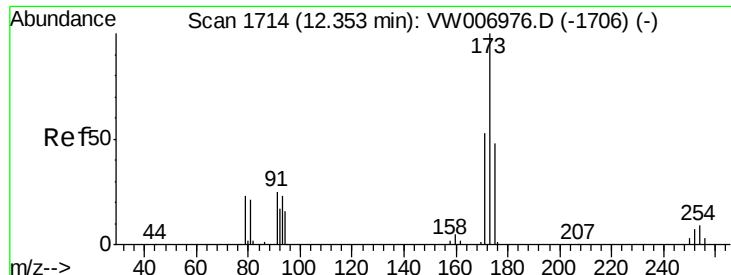
apatel
11/29/2018 12:18:51 PM



#70
Styrene
Concen: 57.010 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion:104 Resp: 191518
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.8
103 55.4 44.4 66.6





#71

Bromoform

Concen: 57.858 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 25608

Ion Ratio Lower Upper

173 100

175 48.1 24.0 72.0

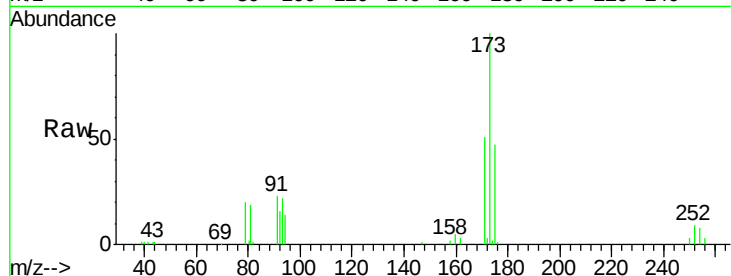
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

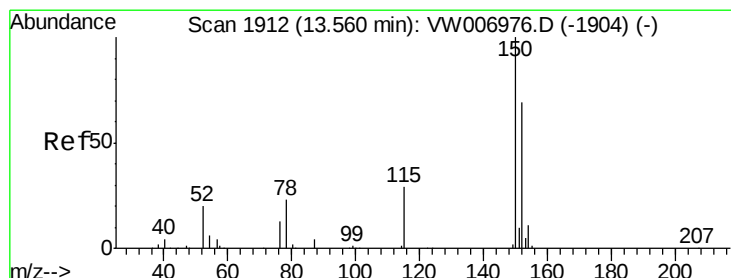
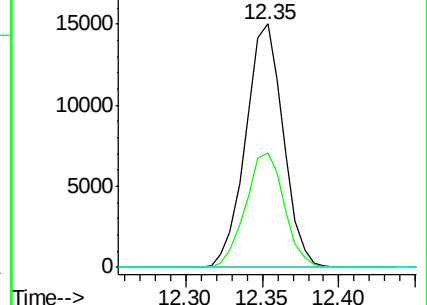
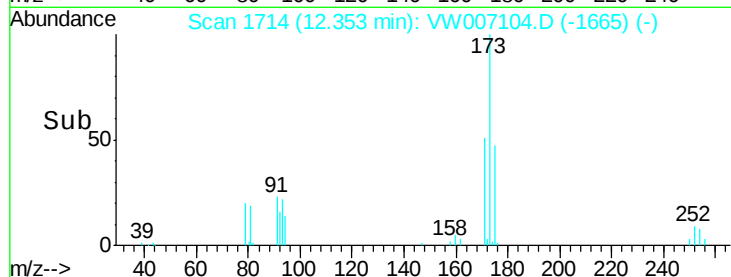
11/29/2018 12:18:51 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

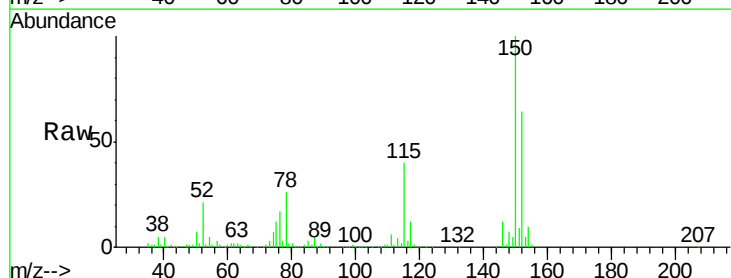
Tgt Ion:152 Resp: 76470

Ion Ratio Lower Upper

152 100

115 61.4 31.4 94.2

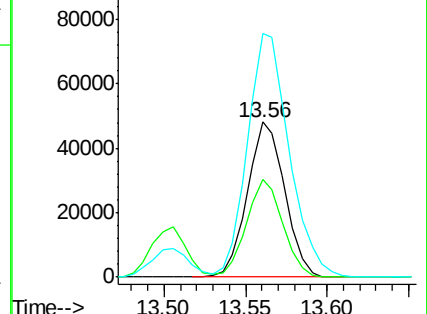
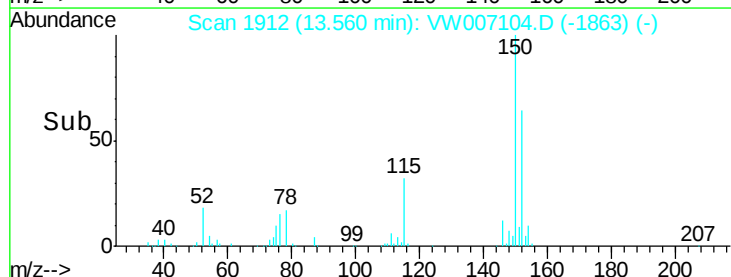
150 176.0 0.0 353.4

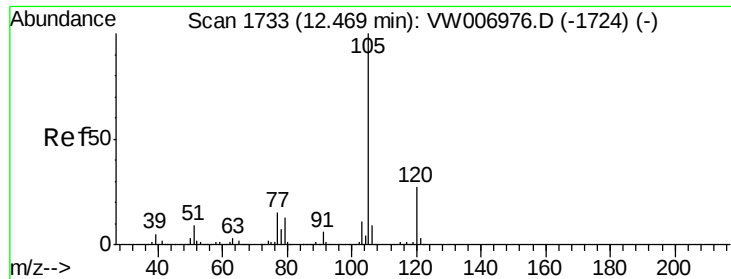


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.628 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 330607

Ion Ratio Lower Upper

105 100

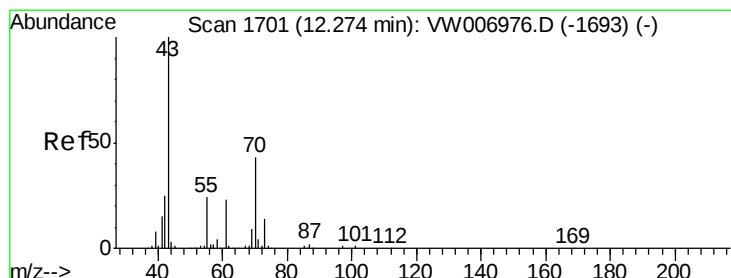
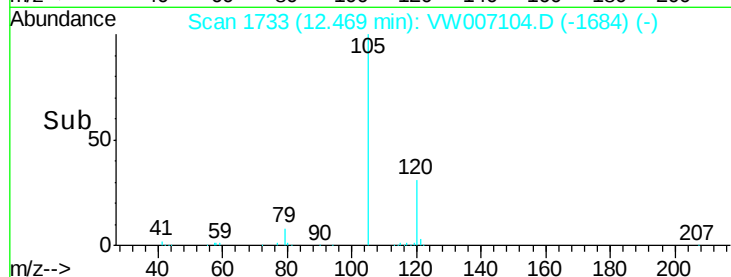
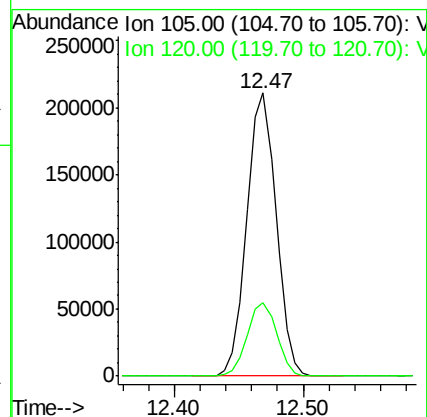
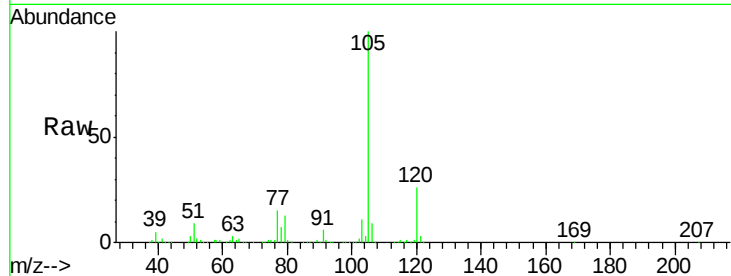
120 26.4 13.3 39.8

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#74

N-ethyl acetate

Concen: 57.518 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion: 43 Resp: 57292

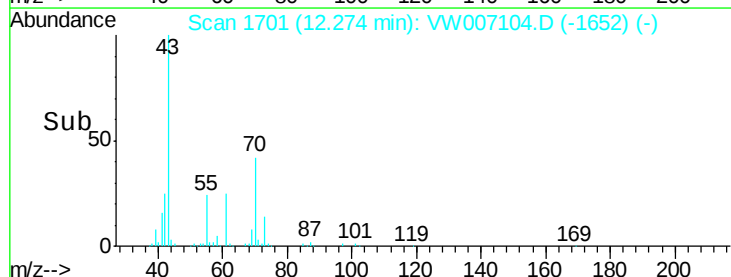
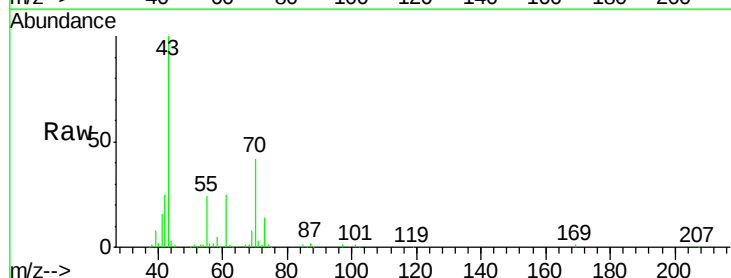
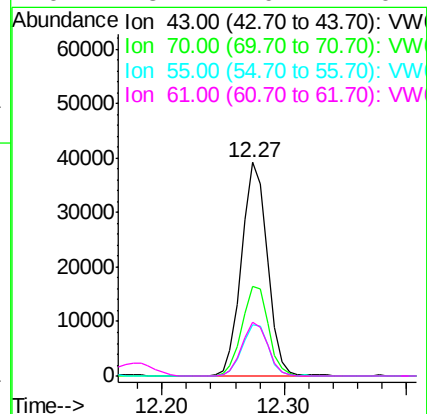
Ion Ratio Lower Upper

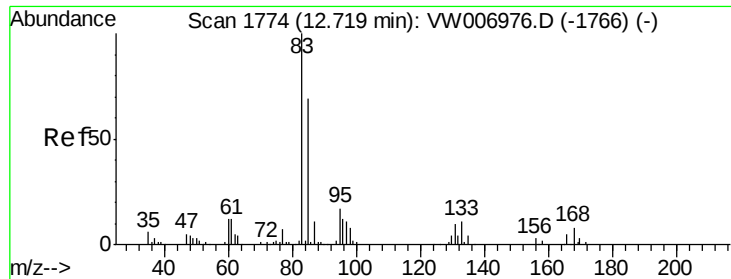
43 100

70 43.0 34.0 51.0

55 24.7 19.4 29.0

61 25.2 19.4 29.2





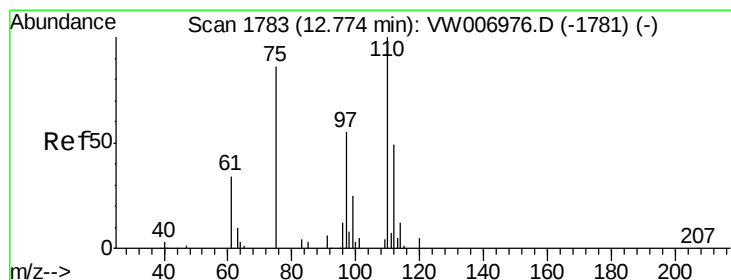
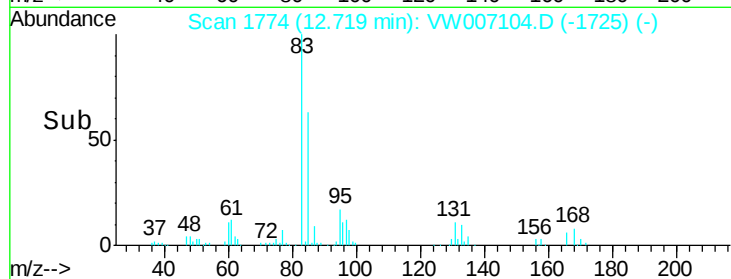
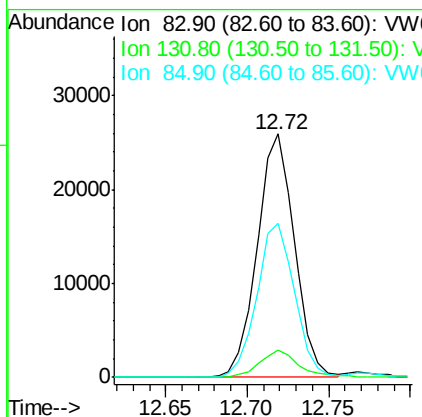
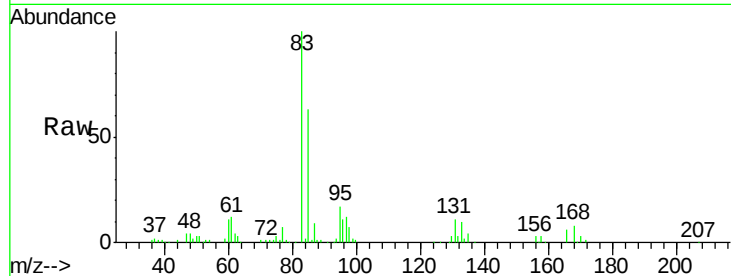
#75
 1,1,2,2-Tetrachloroethane
 Concen: 52.044 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	41163
Ion Ratio	100	Lower	Upper
83	100		
131	11.8	5.7	17.1
85	63.9	33.1	99.2

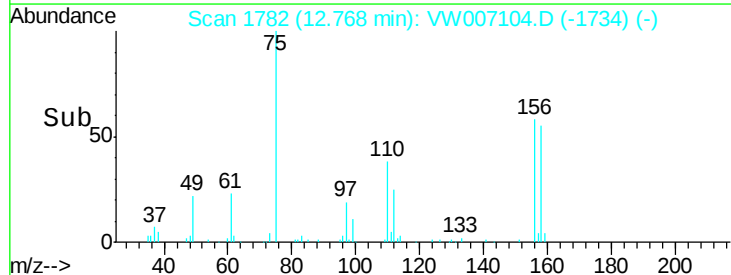
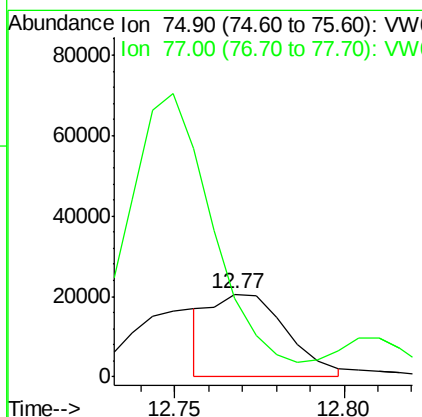
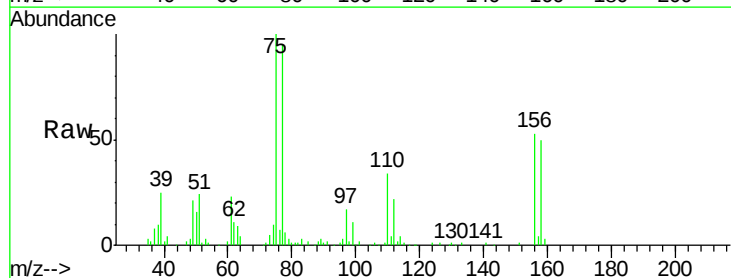
Manual Integrations
 APPROVED

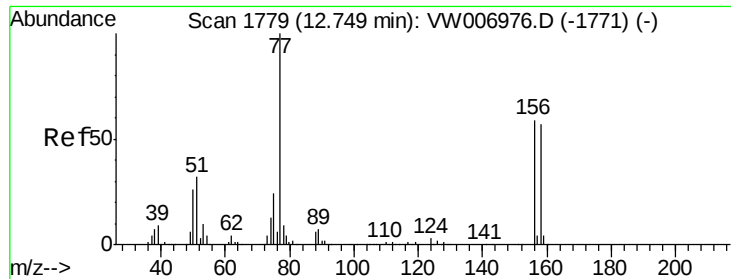
apatel
 11/29/2018 12:18:51 PM



#76
 1,2,3-Trichloropropane
 Concen: 52.964 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion	75	Resp	31826
Ion Ratio	100	Lower	Upper
75	100		
77	395.6	0.0	0.0#





#77

Bromobenzene

Concen: 54.512 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

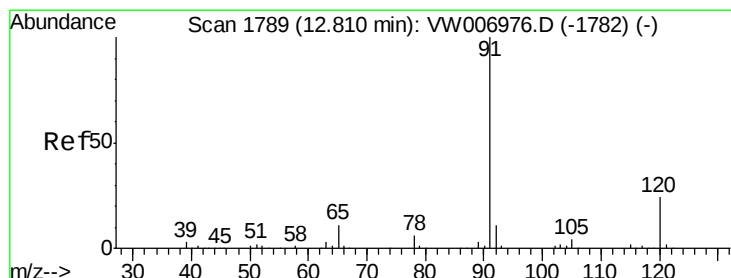
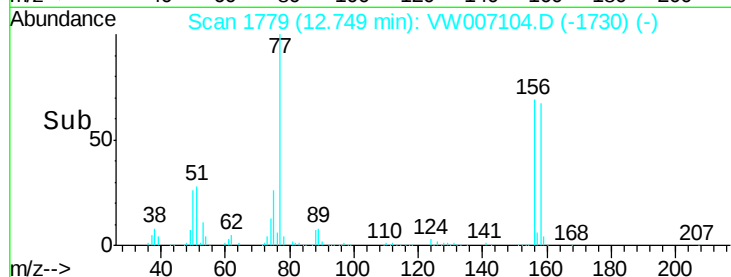
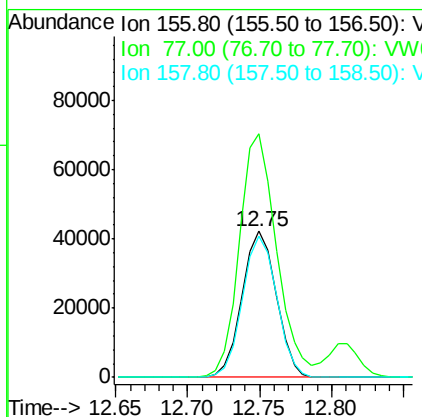
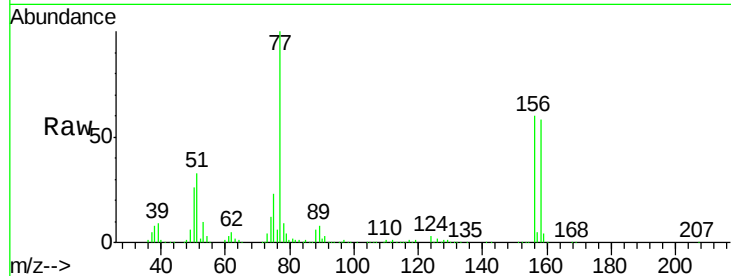
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.9	94.6	283.8
158	96.9	48.9	146.7

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM



#78

n-propylbenzene

Concen: 55.207 ug/l

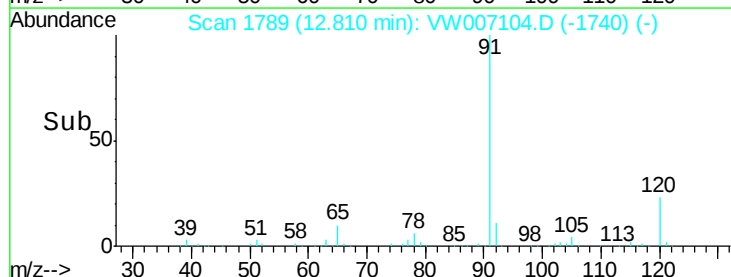
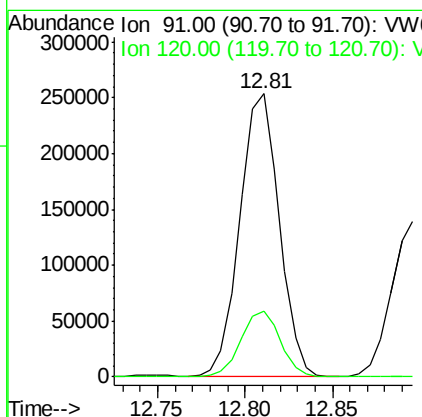
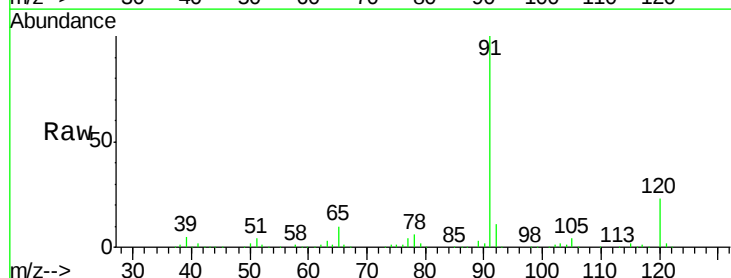
RT: 12.81 min Scan# 1789

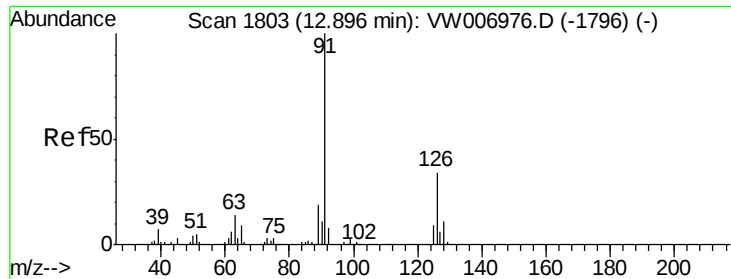
Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 53.605 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 222508

Ion Ratio Lower Upper

91 100

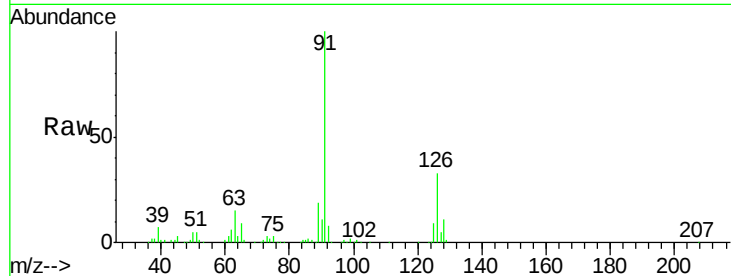
126 33.9 16.7 50.0

Manual Integrations

APPROVED

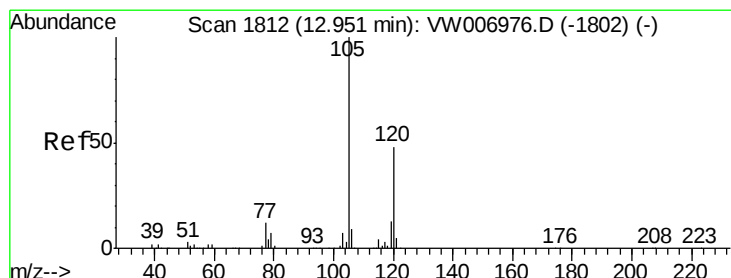
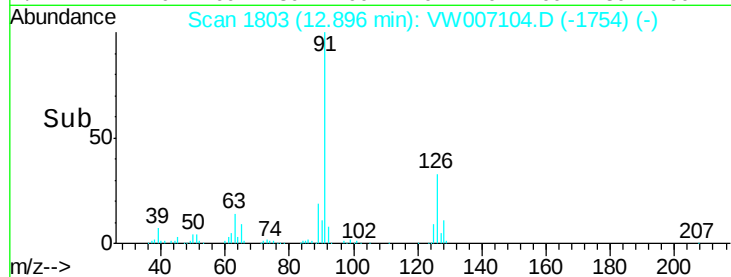
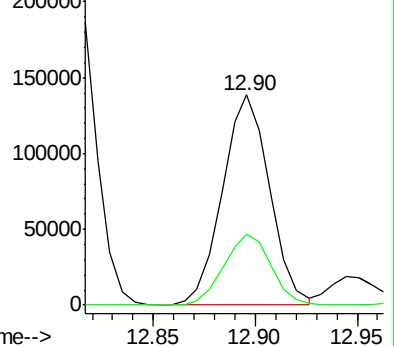
apatel

11/29/2018 12:18:51 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.439 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007104.D

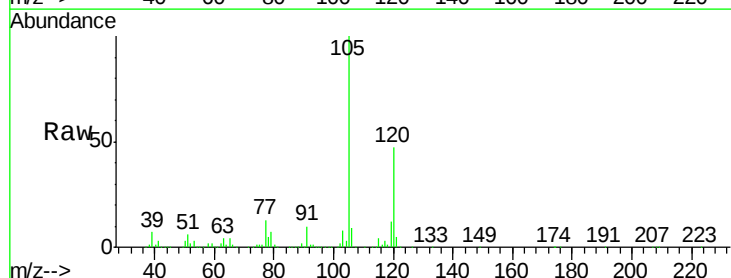
Acq: 28 Nov 2018 10:53

Tgt Ion:105 Resp: 284922

Ion Ratio Lower Upper

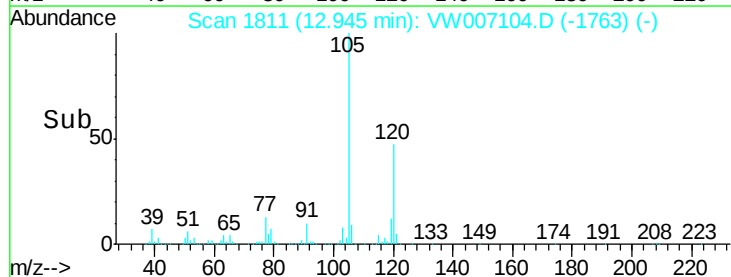
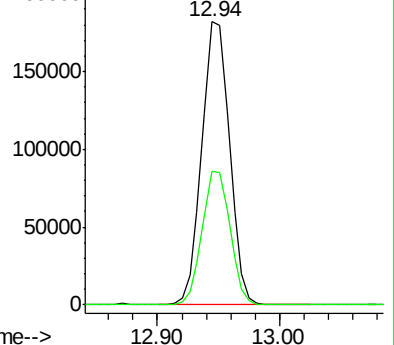
105 100

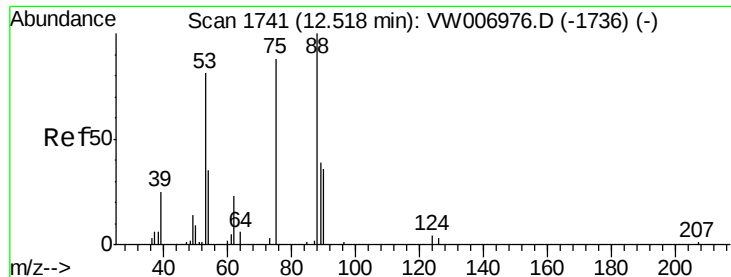
120 47.7 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.640 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

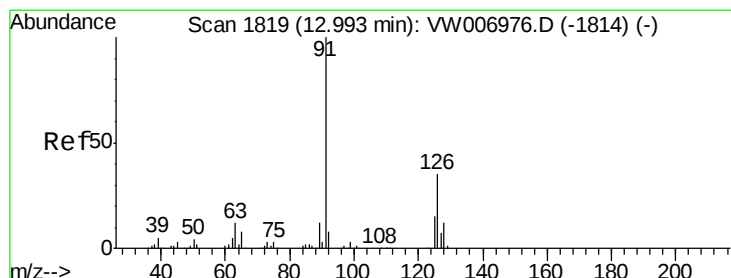
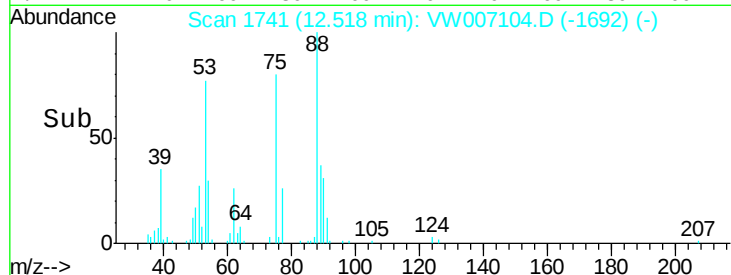
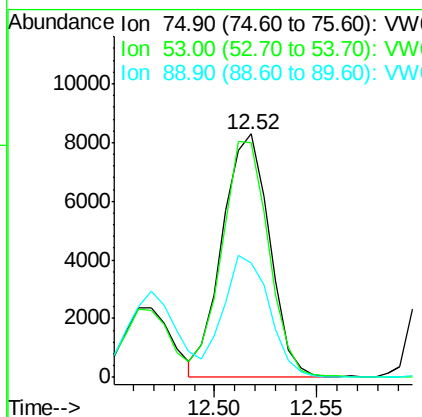
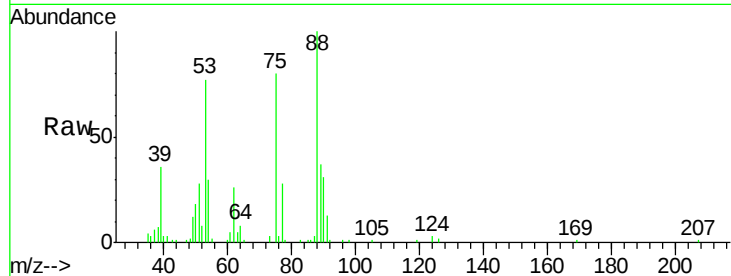
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	13317
Ion Ratio	Lower	Upper	
75	100		
53	95.9	77.6	116.4
89	48.4	39.3	58.9

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM



#82

4-Chlorotoluene

Concen: 54.383 ug/l

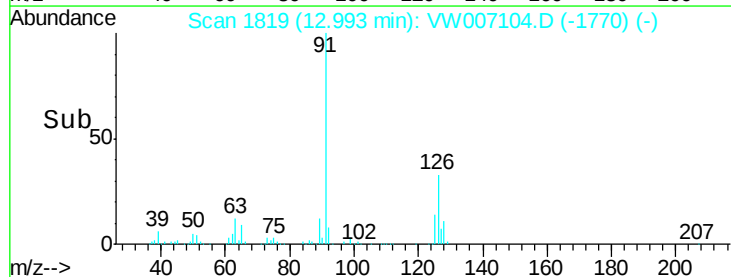
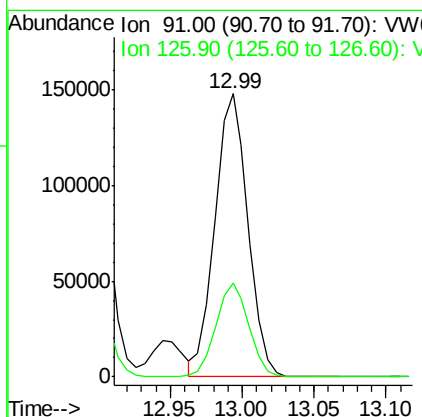
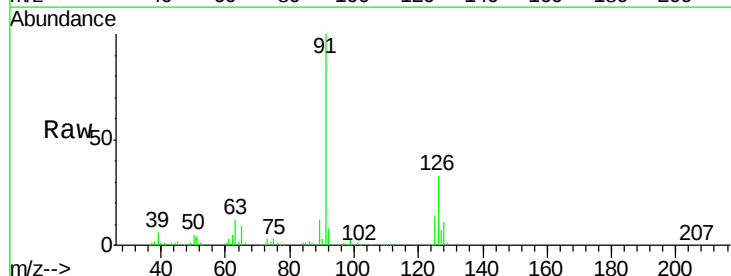
RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Tgt Ion:	91	Resp:	236887
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.6	49.7





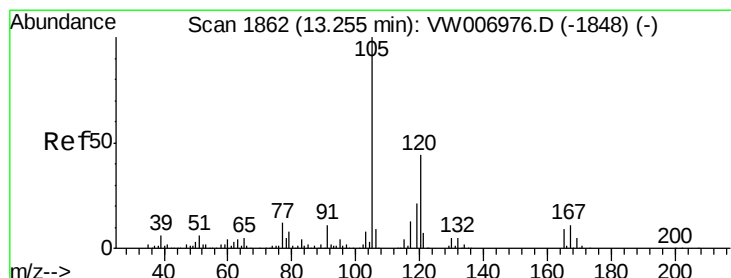
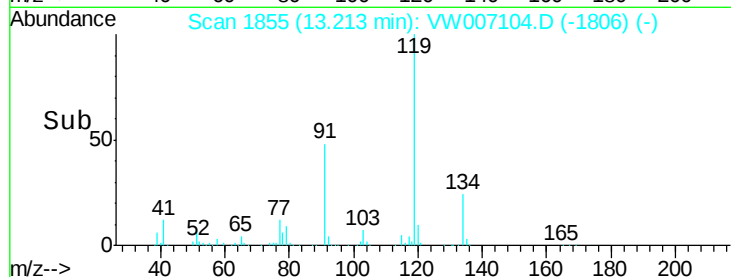
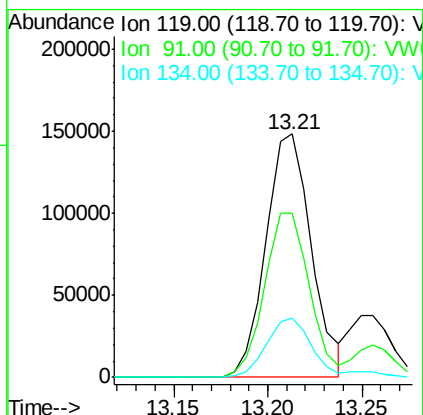
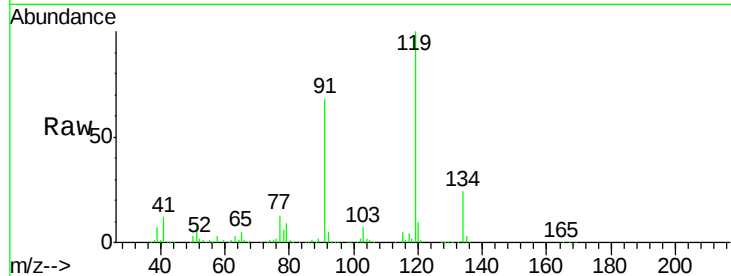
#83
tert-Butylbenzene
Concen: 55.973 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.5	100.5
134	25.5	12.6	37.8

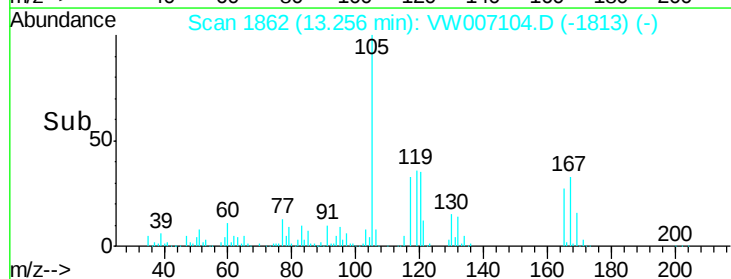
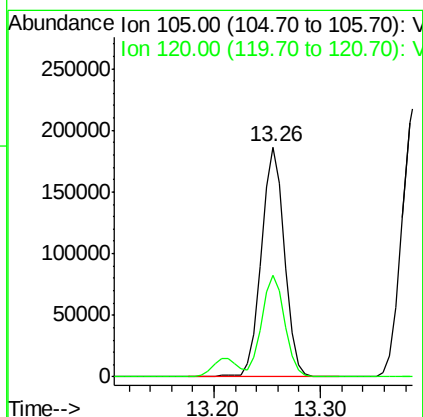
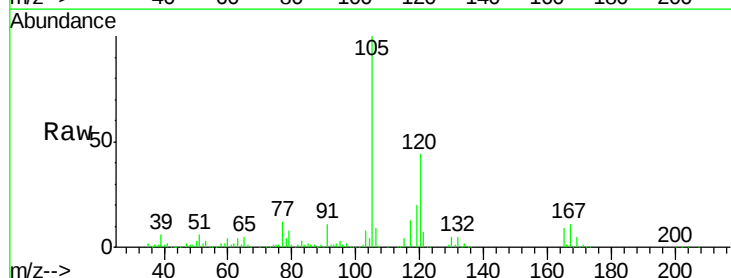
Manual Integrations
APPROVED

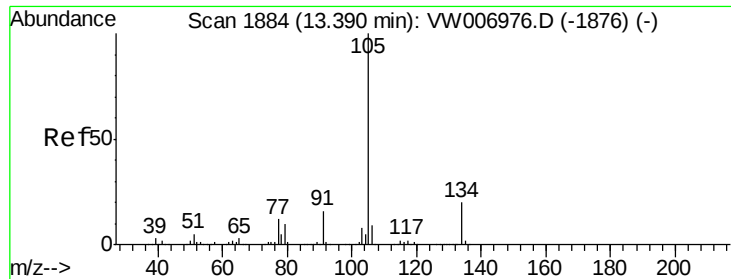
apatel
11/29/2018 12:18:51 PM



#84
1,2,4-Trimethylbenzene
Concen: 55.356 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.8	65.3





#85

sec-Butylbenzene

Concen: 55.778 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 350623

Ion Ratio Lower Upper

105 100

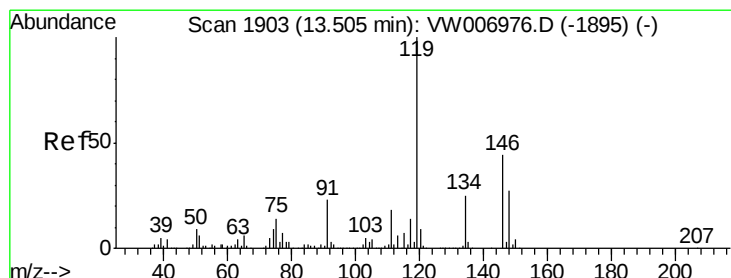
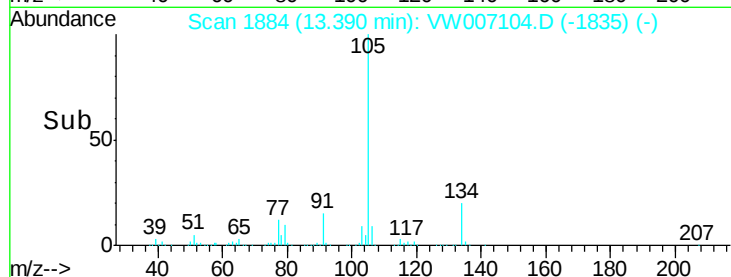
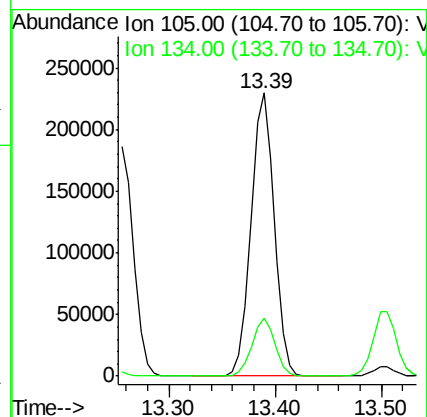
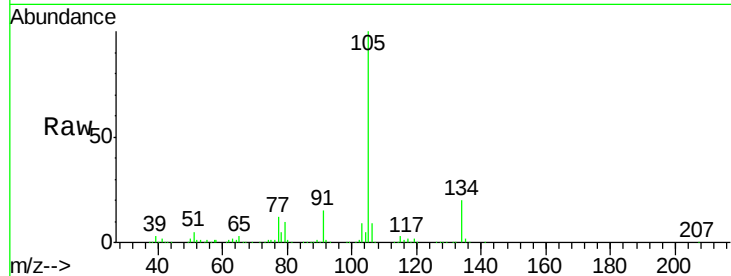
134 20.2 9.8 29.3

Manual Integrations

APPROVED

apatel

11/29/2018 12:18:51 PM



#86

p-Isopropyltoluene

Concen: 56.412 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007104.D

Acq: 28 Nov 2018 10:53

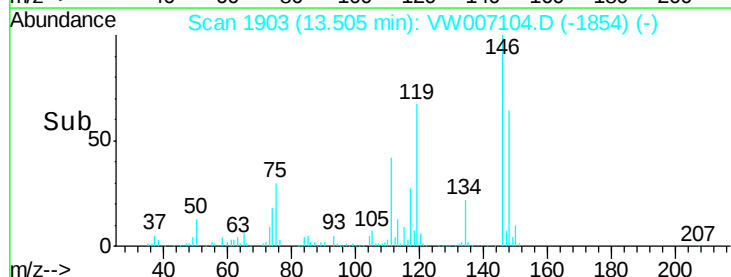
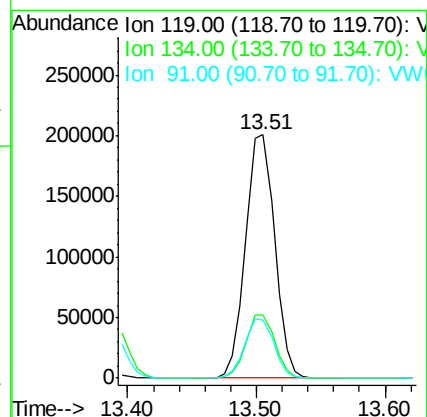
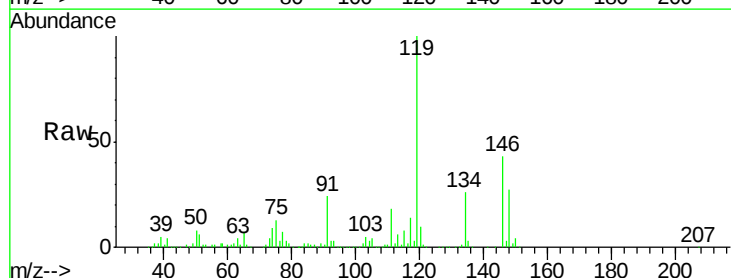
Tgt Ion:119 Resp: 312838

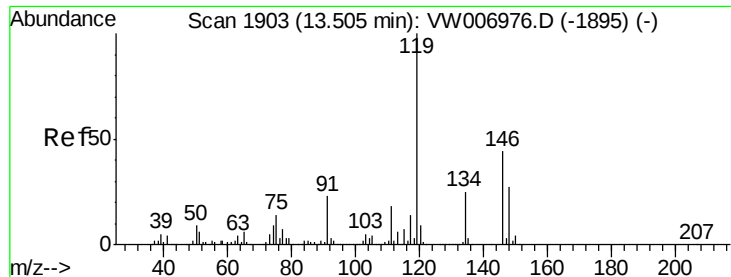
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 24.2 12.2 36.6





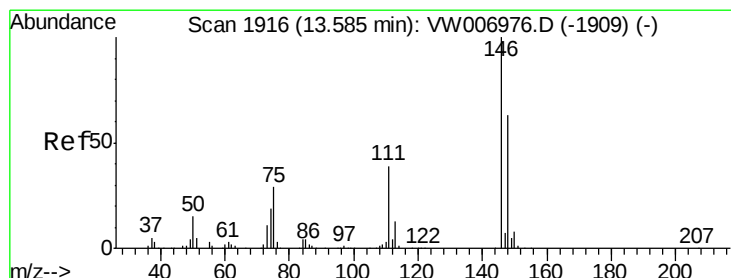
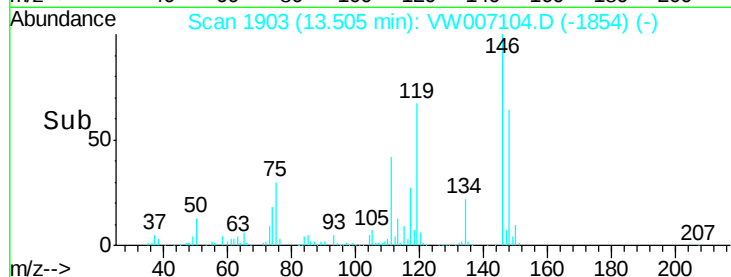
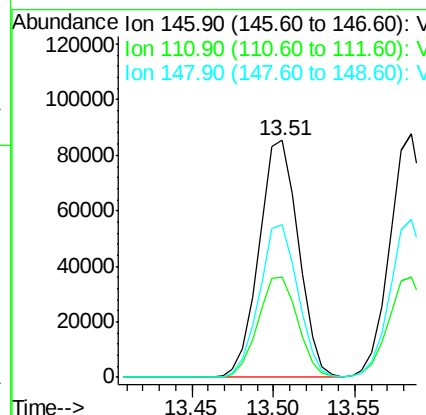
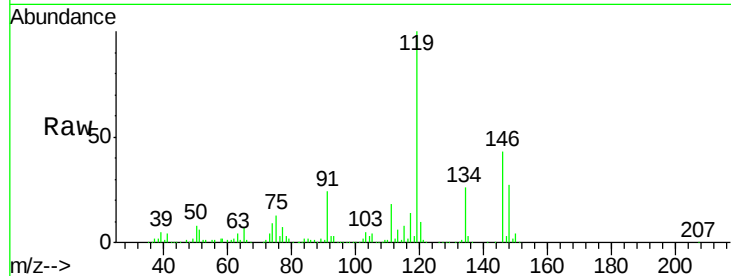
#87
 1,3-Dichlorobenzene
 Concen: 54.878 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143011		
111	42.7	21.1	63.3	
148	63.3	31.6	94.8	

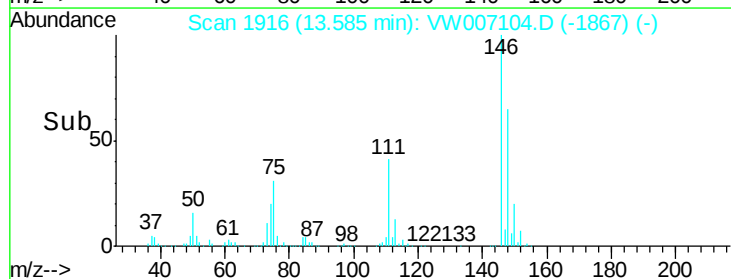
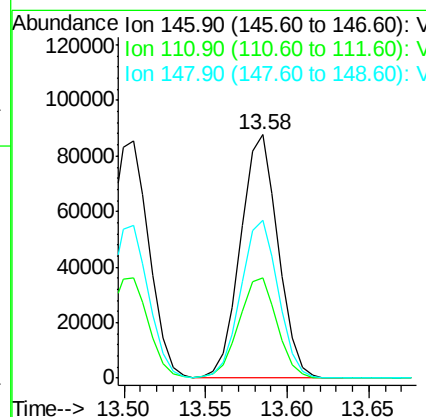
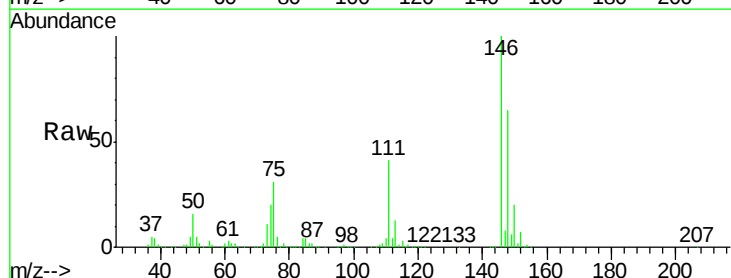
Manual Integrations
 APPROVED

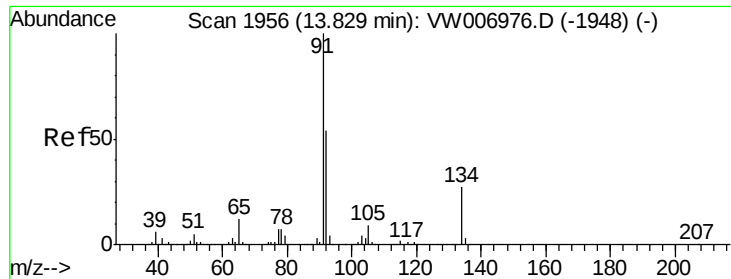
apatel
 11/29/2018 12:18:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 54.092 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	140544		
111	41.9	20.6	61.8	
148	64.7	32.3	96.8	





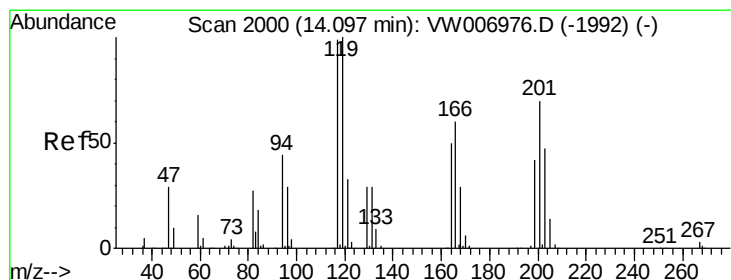
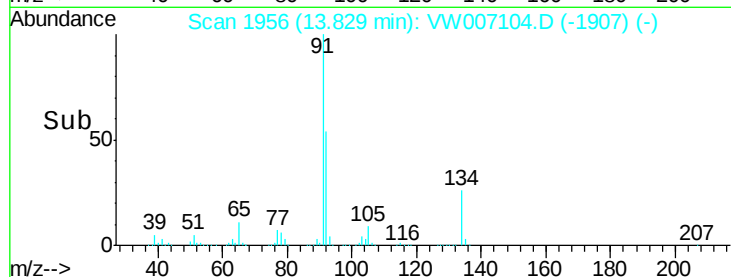
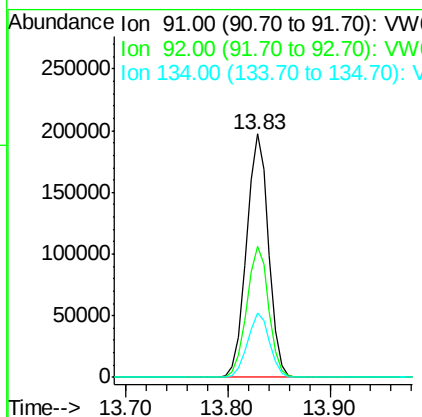
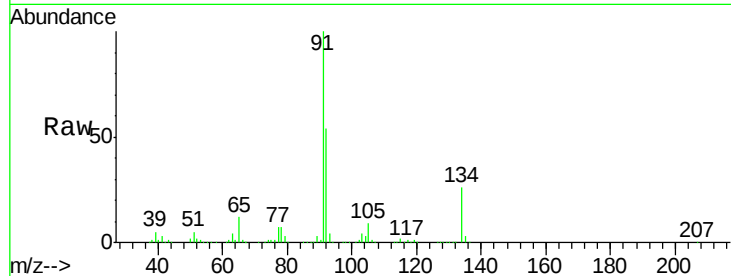
#89
n-Butylbenzene
Concen: 56.712 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	295966		
92	53.6	26.8	80.4	
134	26.4	13.3	39.8	

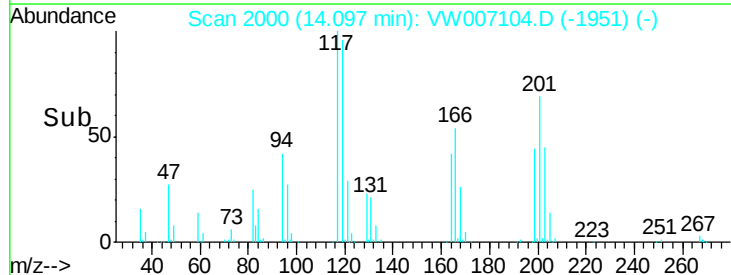
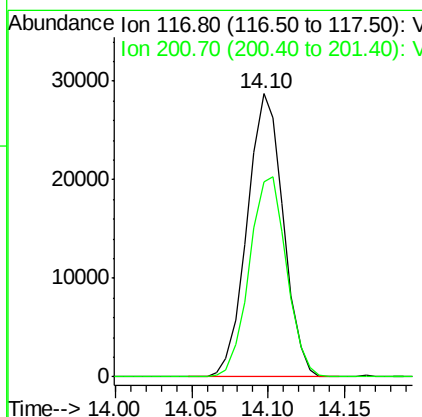
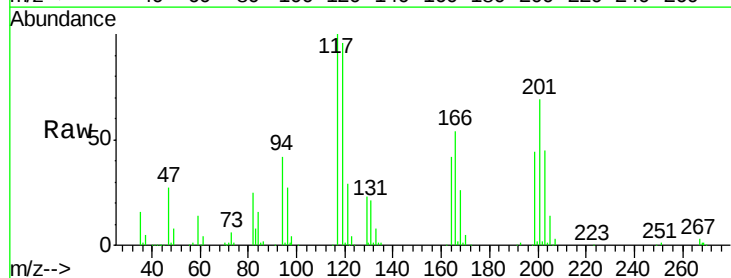
Manual Integrations
APPROVED

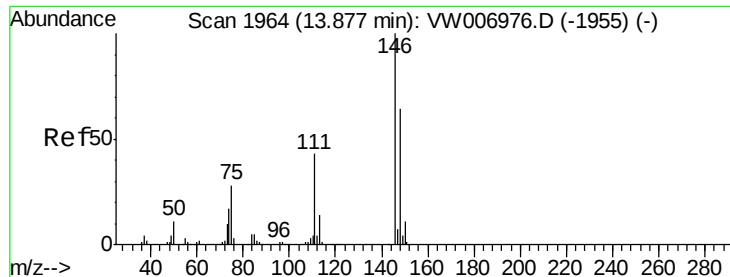
apatel
11/29/2018 12:18:51 PM



#90
Hexachloroethane
Concen: 58.341 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	47235		
201	72.7	35.9	107.5	





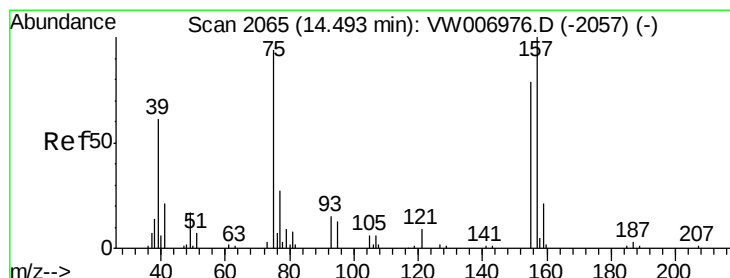
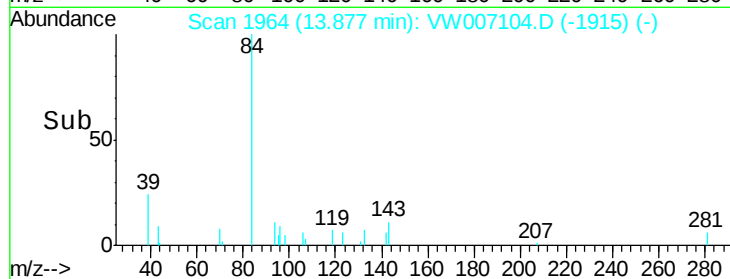
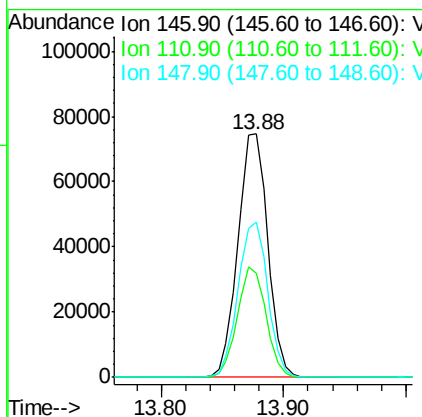
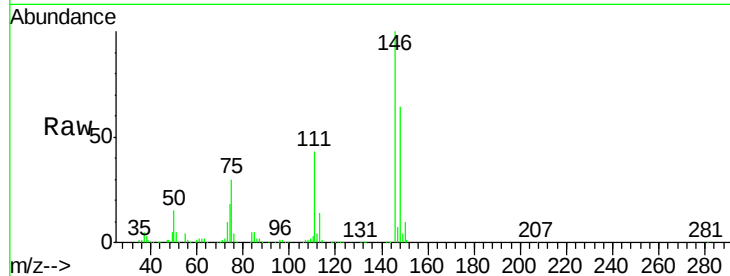
#91
 1,2-Dichlorobenzene
 Concen: 55.250 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.7
148	63.6	32.2	96.6

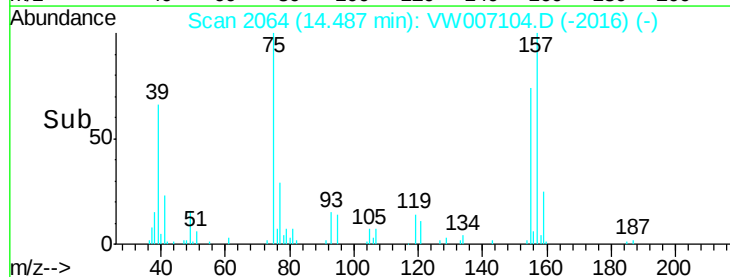
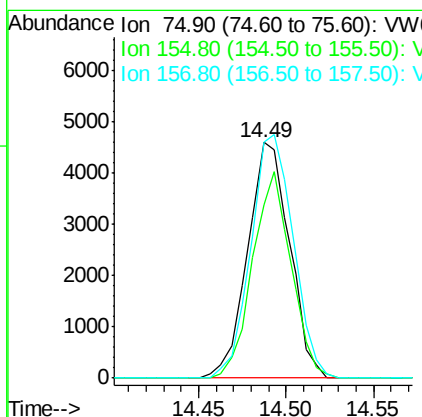
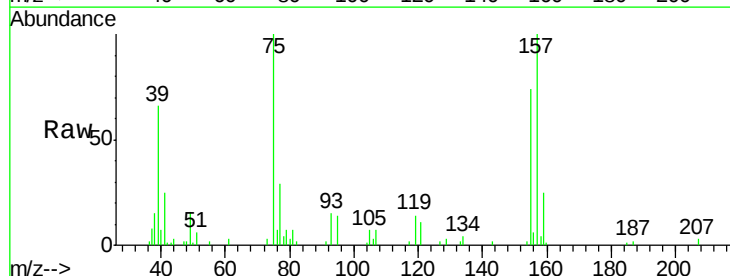
Manual Integrations
 APPROVED

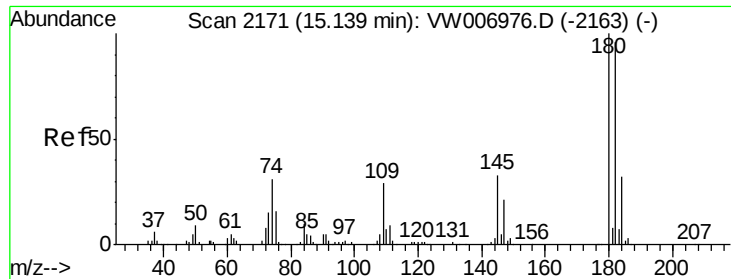
apatel
 11/29/2018 12:18:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.358 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007104.D
 Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	42.6	127.8
157	104.7	55.0	165.0





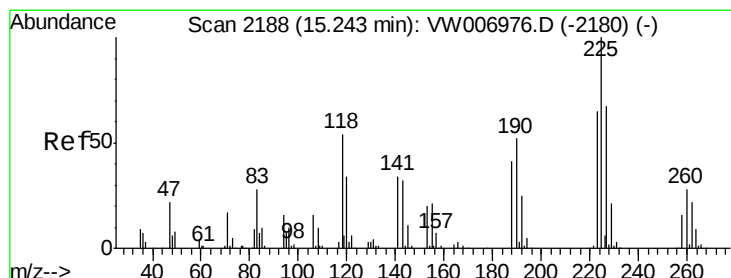
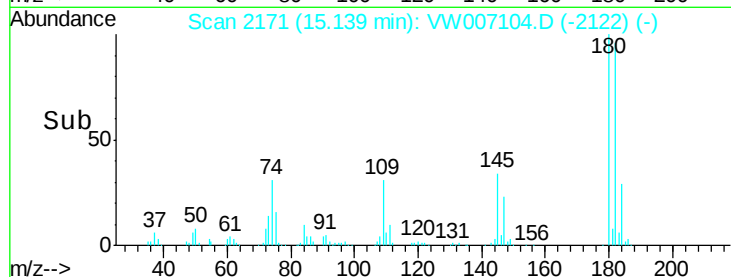
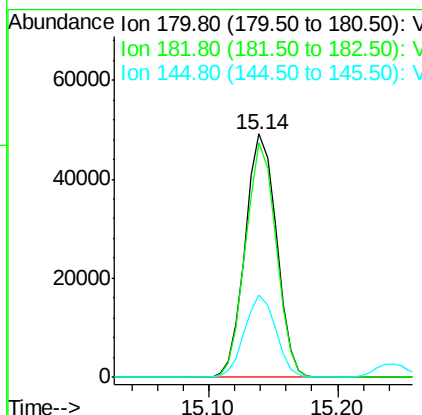
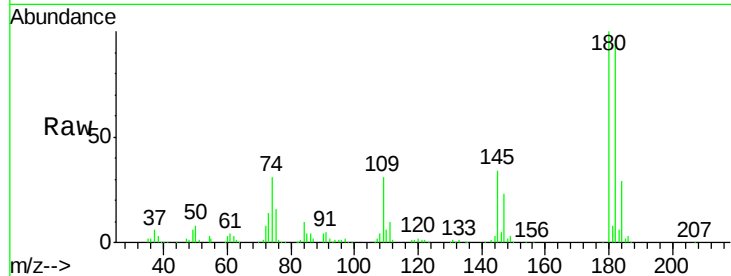
#93
1,2,4-Trichlorobenzene
Concen: 54.776 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	33.7	16.5	49.5

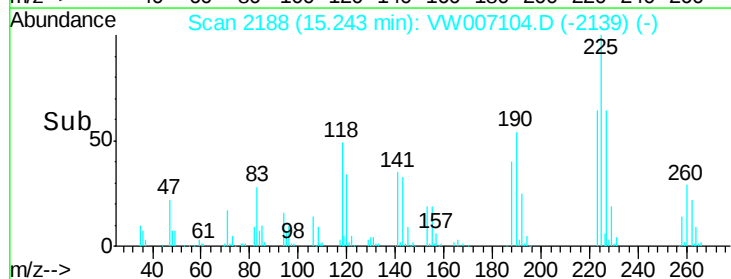
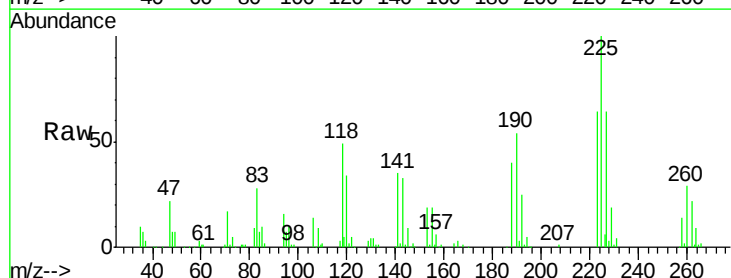
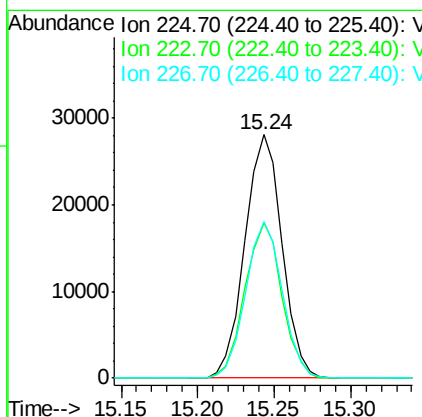
Manual Integrations
APPROVED

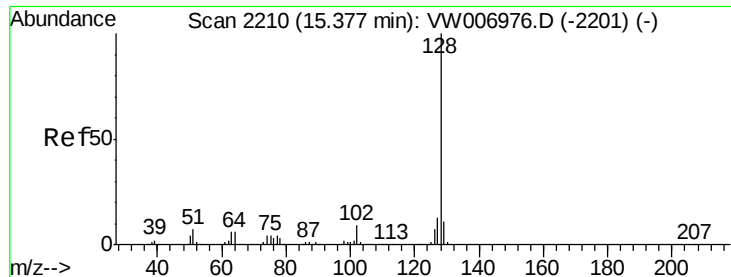
apatel
11/29/2018 12:18:51 PM



#94
Hexachlorobutadiene
Concen: 57.969 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.4	97.0
227	63.3	31.9	95.5





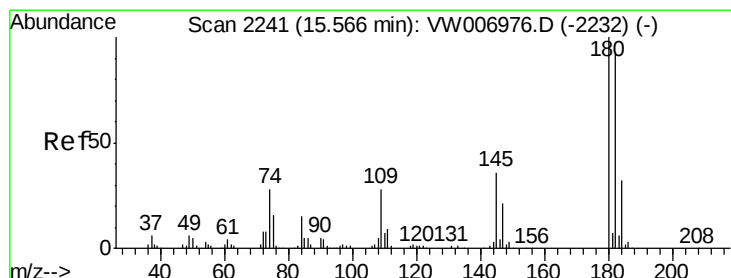
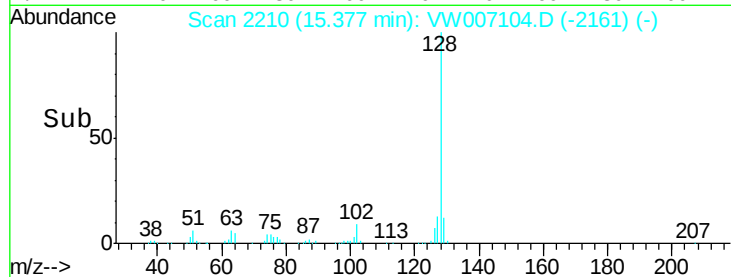
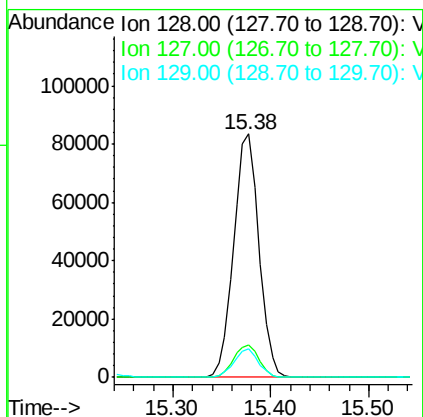
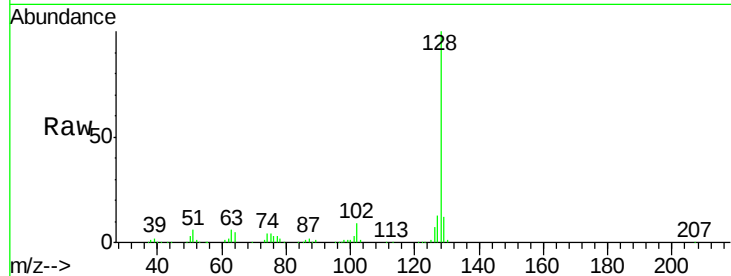
#95
Naphthalene
Concen: 54.622 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
APPROVED

apatel
11/29/2018 12:18:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.437 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007104.D
Acq: 28 Nov 2018 10:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.2
145	35.9	18.0	54.0

