

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006980.D
 Acq On : 20 Nov 2018 17:33
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW112118

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:36 AM

Quant Time: Nov 21 08:51:51 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	120445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	186716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	172306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	84626	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58652	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.88	113	55878	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
50) Toluene-d8	10.33	98	251799	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
62) 4-Bromofluorobenzene	12.62	95	93473	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	58088	48.85	ug/l	99
3) Chloromethane	2.21	50	50427	50.88	ug/l	100
4) Vinyl Chloride	2.36	62	50289	51.57	ug/l	94
5) Bromomethane	2.78	94	27605	53.04	ug/l	94
6) Chloroethane	2.92	64	26623	49.53	ug/l	95
7) Trichlorofluoromethane	3.27	101	95462	49.79	ug/l	97
8) Diethyl Ether	3.69	74	28111	45.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	59820	48.12	ug/l	99
10) Methyl Iodide	4.28	142	74541	52.39	ug/l	100
11) Tert butyl alcohol	5.21	59	17414	226.85	ug/l #	89
12) 1,1-Dichloroethene	4.05	96	53854	49.40	ug/l	99
13) Acrolein	3.91	56	17879	226.80	ug/l	99
14) Allyl chloride	4.68	41	88368	48.87	ug/l	99
15) Acrylonitrile	5.37	53	54422	234.37	ug/l	99
16) Acetone	4.15	43	39562	231.08	ug/l	96
17) Carbon Disulfide	4.39	76	175480	49.79	ug/l	98
18) Methyl Acetate	4.68	43	26018	42.67	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	135452	47.58	ug/l	99
20) Methylene Chloride	4.92	84	62824	45.57	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	61041	48.07	ug/l	99
22) Diisopropyl ether	6.31	45	168226	47.80	ug/l	98
23) Vinyl Acetate	6.26	43	460873	246.59	ug/l	100
24) 1,1-Dichloroethane	6.22	63	102981	48.10	ug/l	99
25) 2-Butanone	7.18	43	67572	230.44	ug/l	98
26) 2,2-Dichloropropane	7.17	77	97447	50.61	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	64853	47.95	ug/l	99
28) Bromochloromethane	7.51	49	38177	47.71	ug/l	96
29) Tetrahydrofuran	7.54	42	43420	228.64	ug/l	99
30) Chloroform	7.68	83	105970	46.59	ug/l	100
31) Cyclohexane	7.95	56	109509	48.22	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	103017	50.28	ug/l	99
36) 1,1-Dichloropropene	8.09	75	91686	50.25	ug/l	99
37) Ethyl Acetate	7.26	43	30626	46.32	ug/l	98
38) Carbon Tetrachloride	8.07	117	89476	51.21	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006980.D
 Acq On : 20 Nov 2018 17:33
 Operator : SY/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 ICVW112118

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:36 AM

Quant Time: Nov 21 08:51:51 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	115430	50.55	ug/l	100
40) Benzene	8.33	78	244784	49.70	ug/l	99
41) Methacrylonitrile	7.49	41	18842	45.89	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66739	46.67	ug/l	100
43) Isopropyl Acetate	8.43	43	61475	48.79	ug/l	98
44) Trichloroethene	9.09	130	68810	49.84	ug/l	97
45) 1,2-Dichloropropane	9.37	63	59861	49.30	ug/l	98
46) Dibromomethane	9.46	93	28938	47.60	ug/l	99
47) Bromodichloromethane	9.65	83	78060	48.73	ug/l	98
48) Methyl methacrylate	9.44	41	32323	53.20	ug/l	93
49) 1,4-Dioxane	9.48	88	9079	1004.67	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	154034	241.91	ug/l	99
52) Toluene	10.39	92	170889	50.98	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	77399	49.88	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	92727	49.46	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	41828	46.76	ug/l	98
56) Ethyl methacrylate	10.65	69	53280	51.31	ug/l	99
57) 1,3-Dichloropropane	10.93	76	71670	47.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	124240	228.97	ug/l	99
59) 2-Hexanone	10.97	43	110808	254.12	ug/l	99
60) Dibromochloromethane	11.13	129	50191	49.24	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39964	48.84	ug/l	100
64) Tetrachloroethene	10.87	164	57580	51.94	ug/l	98
65) Chlorobenzene	11.66	112	184626	51.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	54530	50.12	ug/l	99
67) Ethyl Benzene	11.73	91	339137	51.33	ug/l	98
68) m/p-Xylenes	11.84	106	263050	101.49	ug/l	99
69) o-Xylene	12.17	106	123008	50.33	ug/l	99
70) Styrene	12.18	104	200120	51.45	ug/l	100
71) Bromoform	12.35	173	26017	50.77	ug/l #	100
73) Isopropylbenzene	12.47	105	341838	51.97	ug/l	100
74) N-amyl acetate	12.27	43	58903	53.44	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	44162	50.45	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	34071m	51.24	ug/l	
77) Bromobenzene	12.75	156	72296	51.18	ug/l	98
78) n-propylbenzene	12.81	91	412545	51.78	ug/l	99
79) 2-Chlorotoluene	12.90	91	234671	51.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	294370	51.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13723	51.81	ug/l	98
82) 4-Chlorotoluene	12.99	91	248507	51.55	ug/l	99
83) tert-Butylbenzene	13.21	119	253438	51.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	291359	51.42	ug/l	100
85) sec-Butylbenzene	13.39	105	363398	52.24	ug/l	100
86) p-Isopropyltoluene	13.51	119	318790	51.95	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	145882	50.58	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	145086	50.46	ug/l	99
89) n-Butylbenzene	13.83	91	304809	52.78	ug/l	99
90) Hexachloroethane	14.10	117	47019	52.48	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	128625	50.90	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7426	50.23	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
Data File : VW006980.D
Acq On : 20 Nov 2018 17:33
Operator : SY/AP
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWV112118

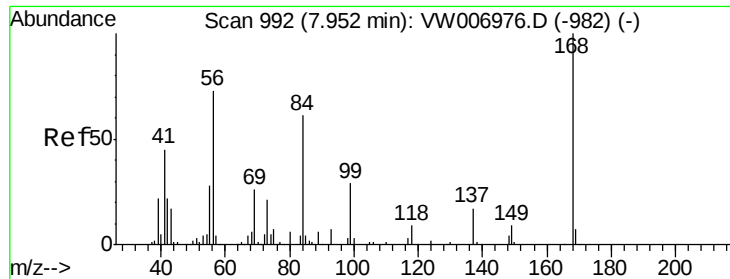
Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM

Quant Time: Nov 21 08:51:51 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	83855	50.32	ug/l	100
94) Hexachlorobutadiene	15.24	225	46279	51.09	ug/l	99
95) Naphthalene	15.38	128	150016	49.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	69453	50.24	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 168 Resp: 120445

Ion Ratio Lower Upper

168 100

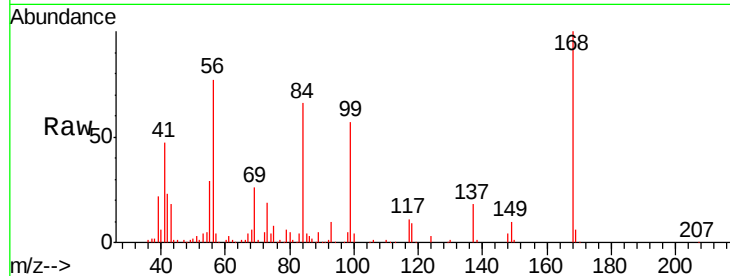
99 57.4 48.2 72.4

Manual Integrations

APPROVED

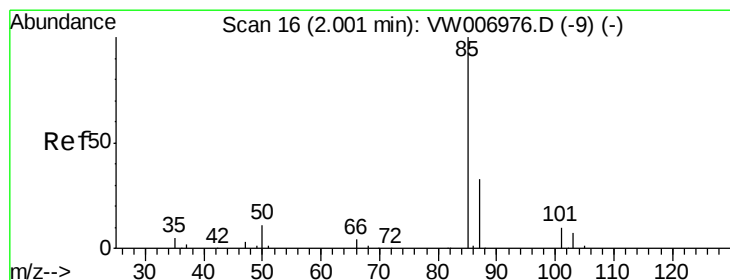
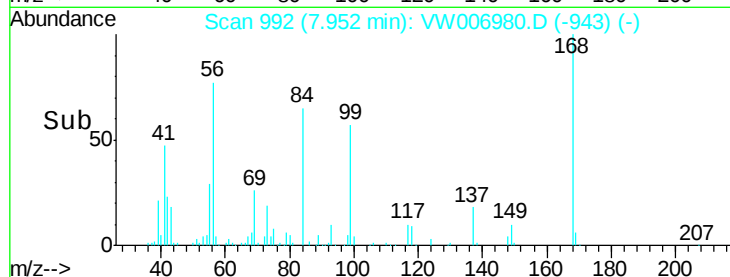
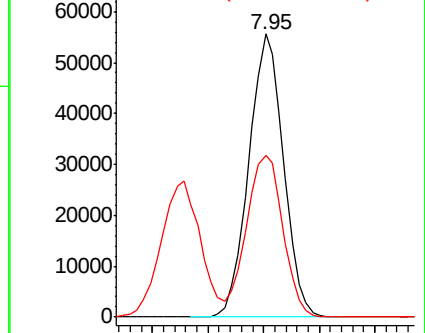
MMDadoda

11/21/2018 11:32:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 48.85 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006980.D

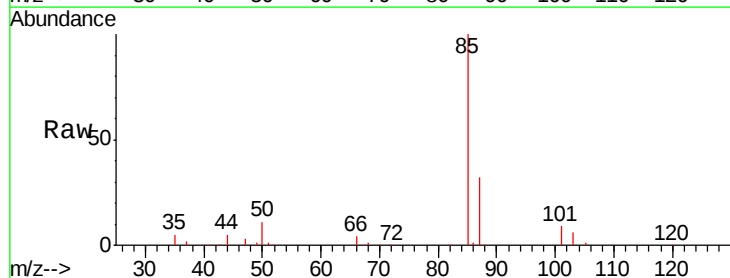
Acq: 20 Nov 2018 17:33

Tgt Ion: 85 Resp: 58088

Ion Ratio Lower Upper

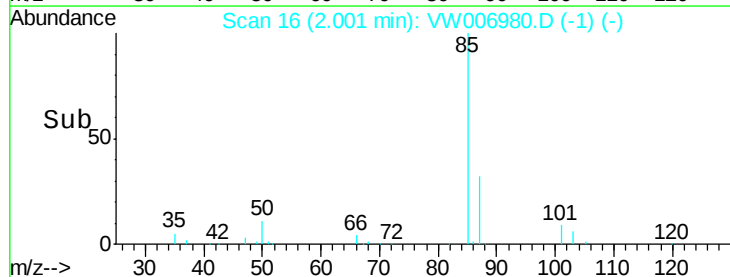
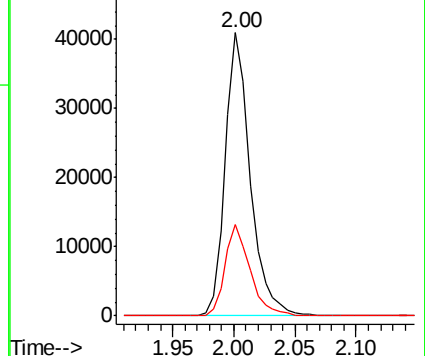
85 100

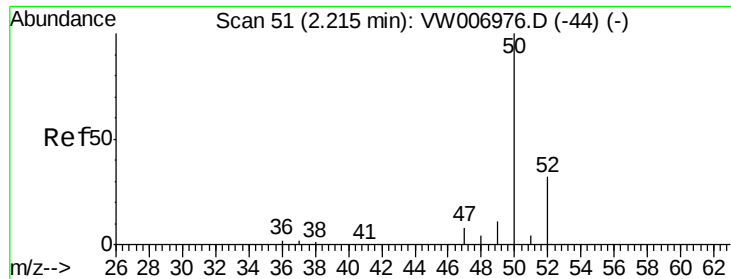
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.88 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 50 Resp: 50427

Ion Ratio Lower Upper

50 100

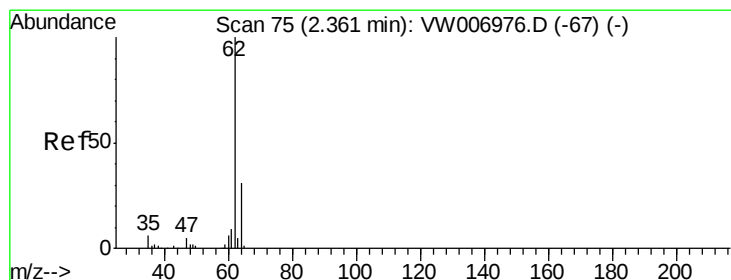
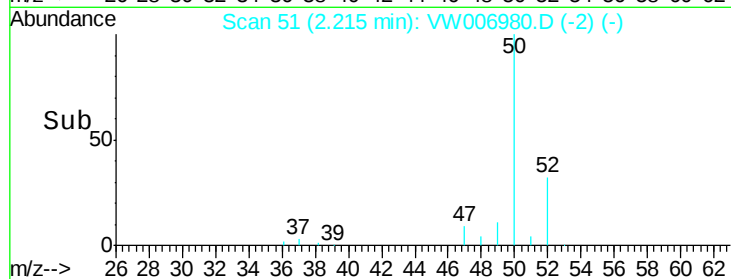
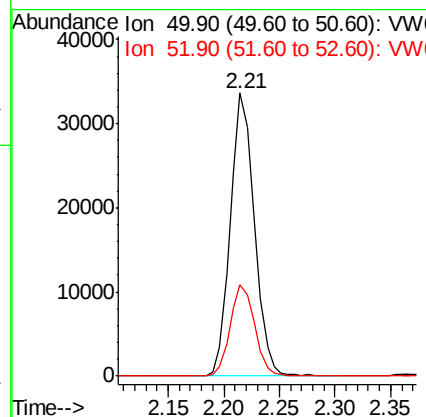
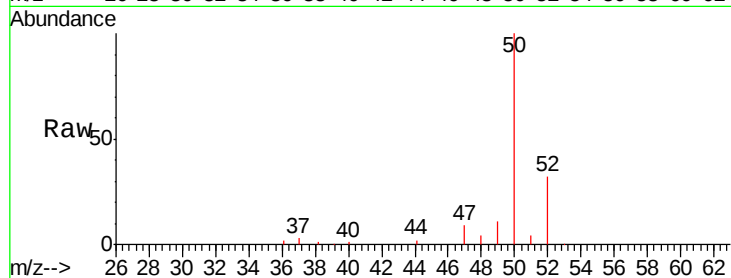
52 32.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:36 AM



#4

Vinyl Chloride

Concen: 51.57 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006980.D

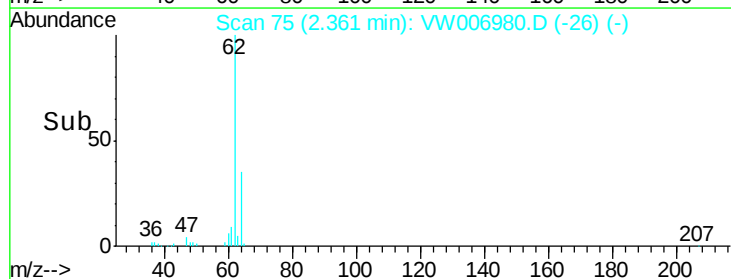
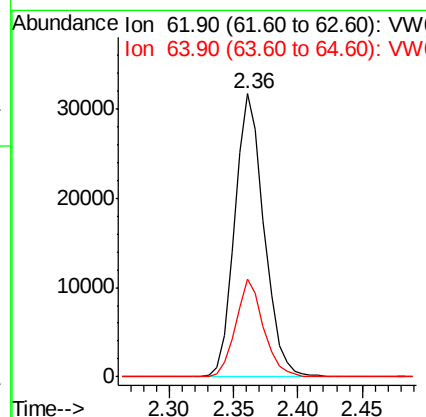
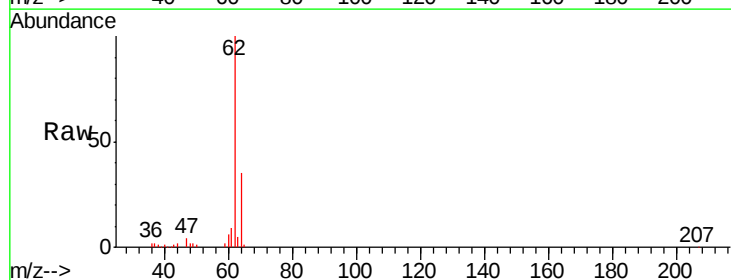
Acq: 20 Nov 2018 17:33

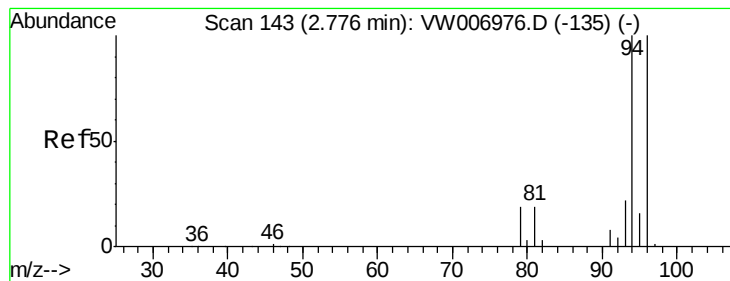
Tgt Ion: 62 Resp: 50289

Ion Ratio Lower Upper

62 100

64 34.7 25.2 37.8





#5

Bromomethane

Concen: 53.04 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 94 Resp: 27605

Ion Ratio Lower Upper

94 100

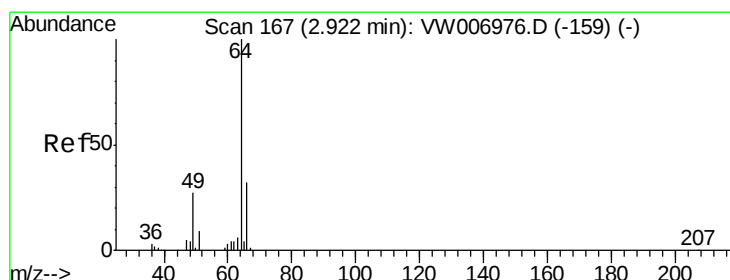
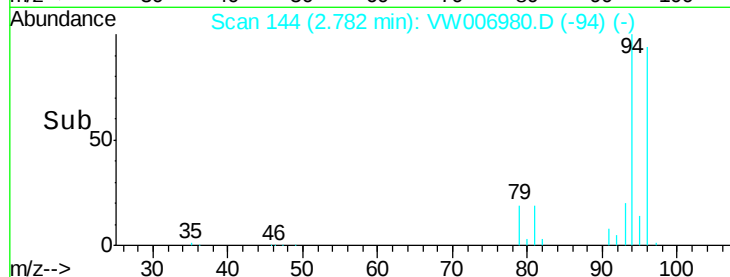
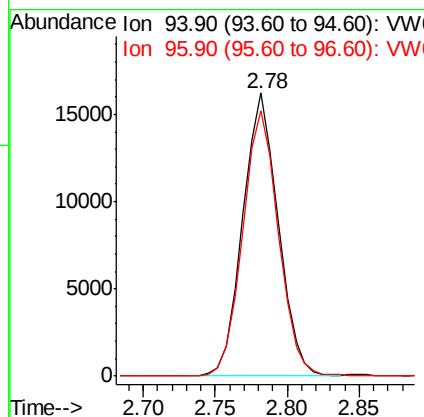
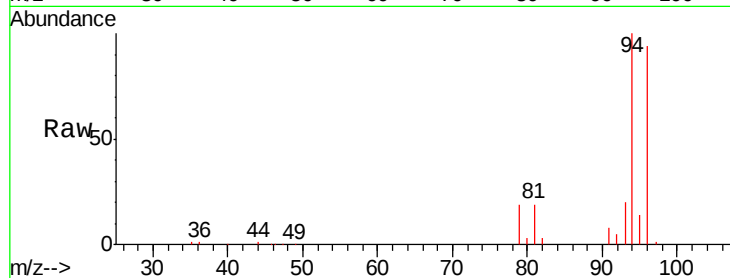
96 93.9 80.2 120.2

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:36 AM



#6

Chloroethane

Concen: 49.53 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW006980.D

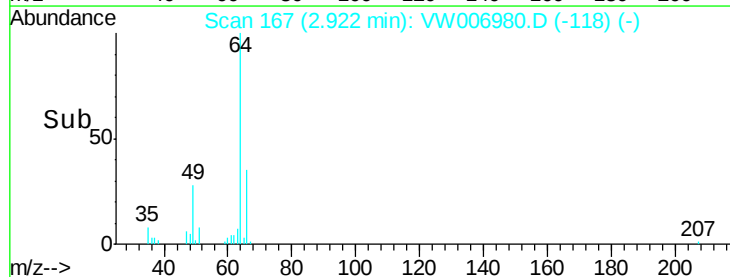
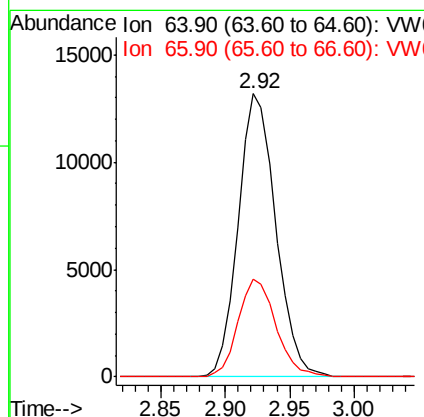
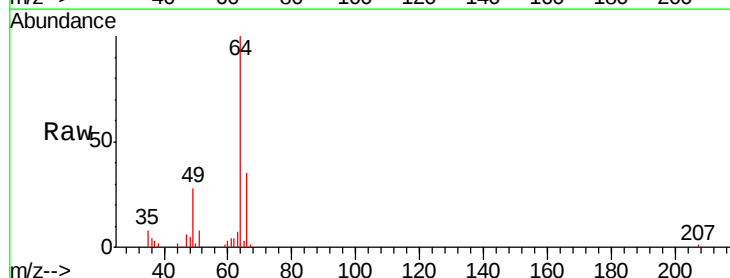
Acq: 20 Nov 2018 17:33

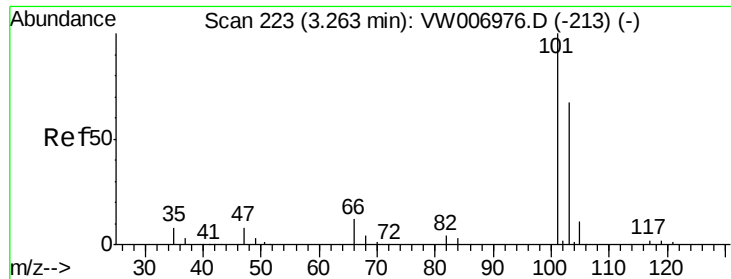
Tgt Ion: 64 Resp: 26623

Ion Ratio Lower Upper

64 100

66 34.5 25.3 37.9





#7

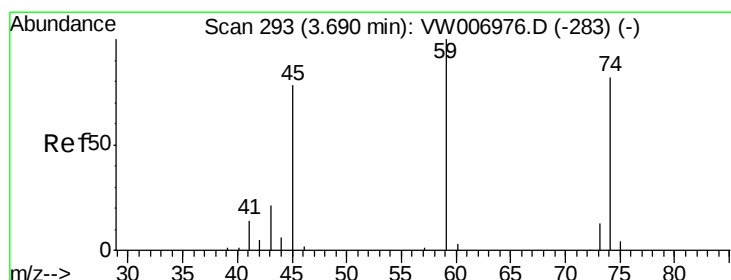
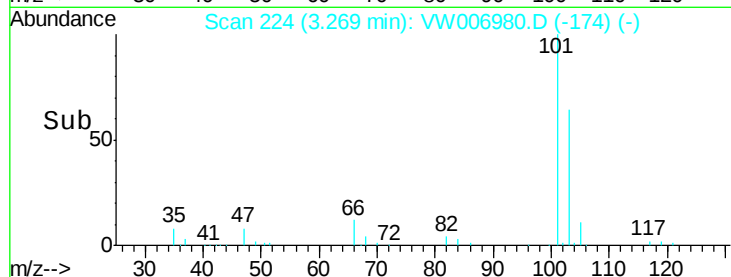
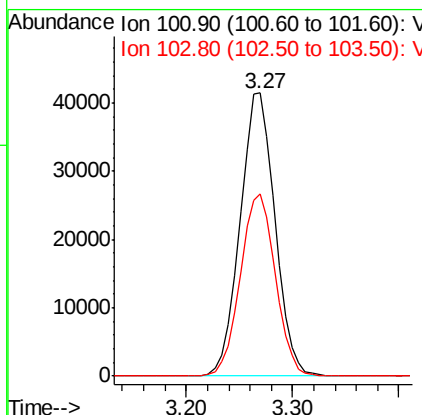
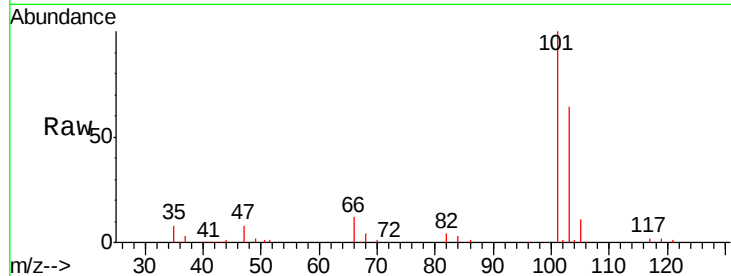
Trichlorofluoromethane
Concen: 49.79 ug/l
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion: 101 Resp: 95462
Ion Ratio Lower Upper
101 100
103 64.4 53.4 80.2

Manual Integrations
APPROVED

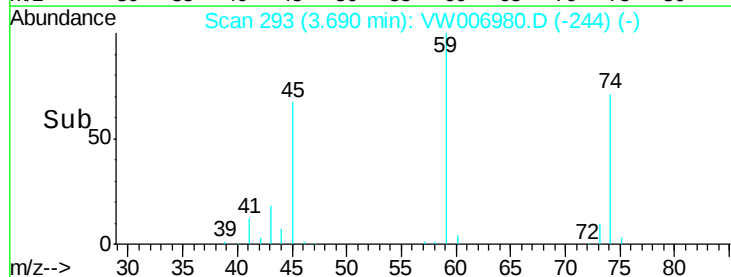
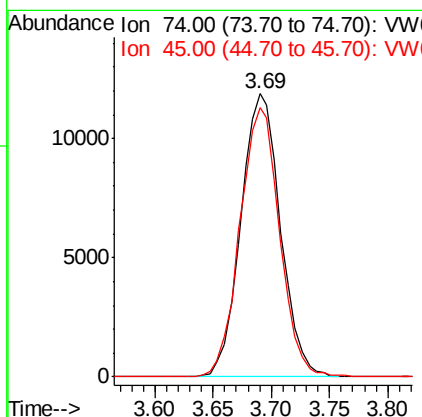
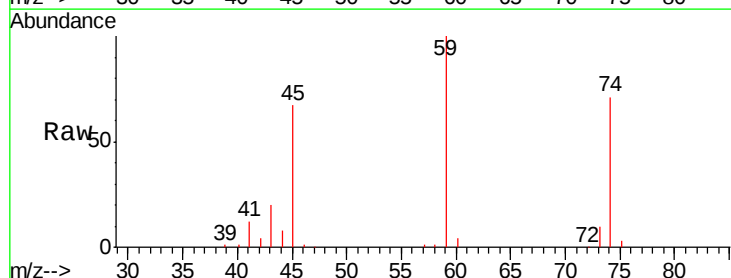
MMDadoda
11/21/2018 11:32:36 AM



#8

Diethyl Ether
Concen: 45.50 ug/l
RT: 3.69 min Scan# 293
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion: 74 Resp: 28111
Ion Ratio Lower Upper
74 100
45 95.5 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.12 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

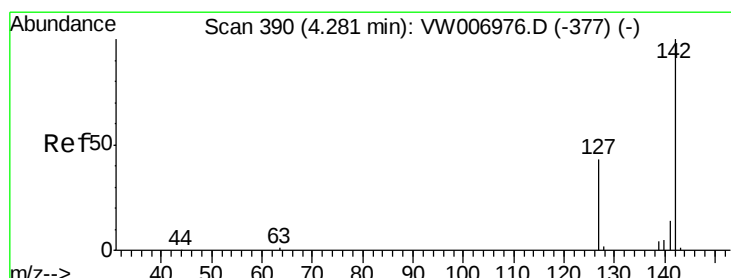
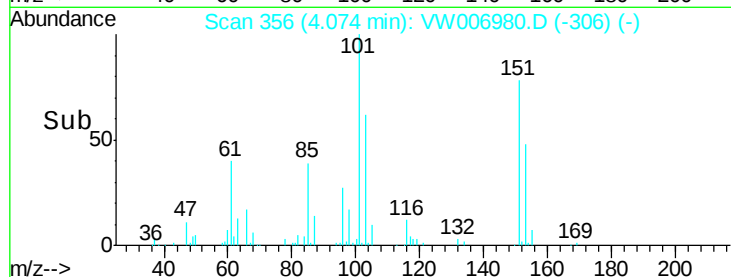
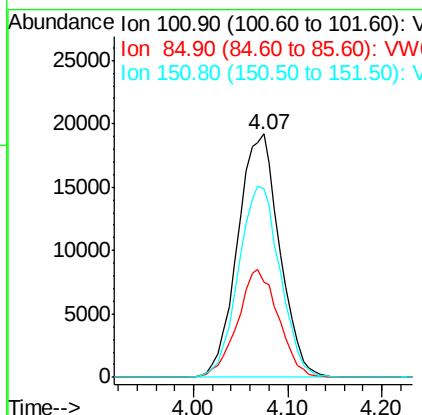
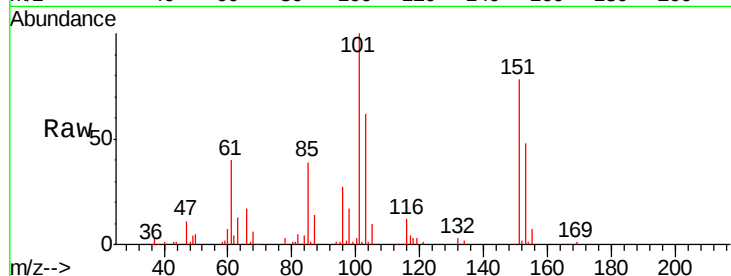
ClientSampleId :

ICVW112118

Tgt Ion:	101	Resp:	59820
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.3	51.5
151	78.1	63.4	95.2

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



#10

Methyl Iodide

Concen: 52.39 ug/l

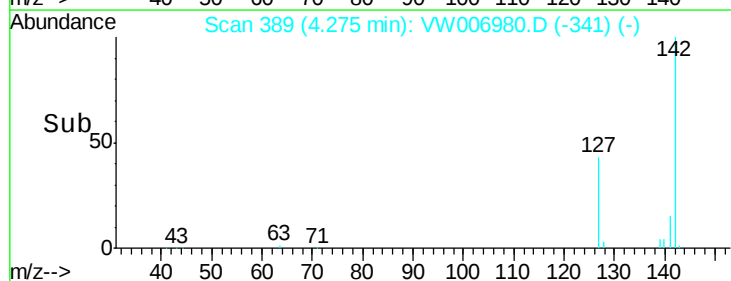
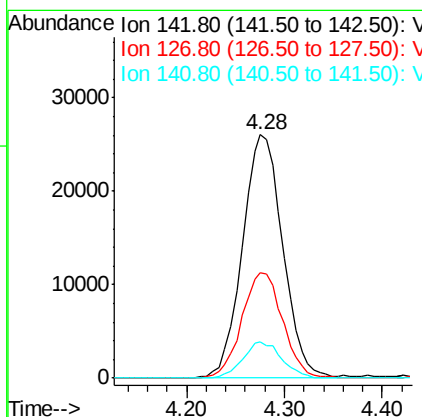
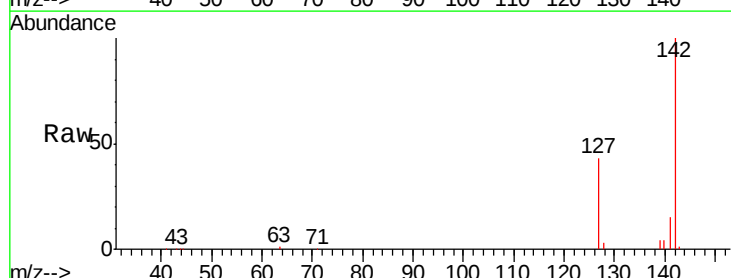
RT: 4.28 min Scan# 389

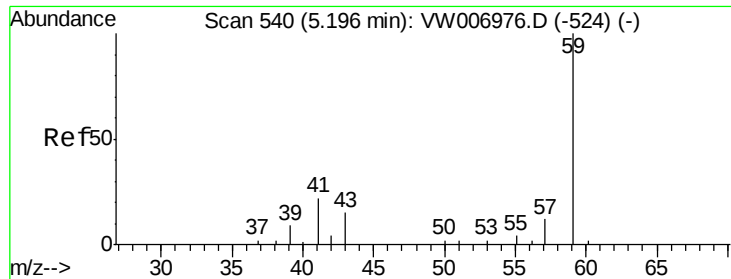
Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Tgt Ion:	142	Resp:	74541
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.3	52.9
141	14.4	11.7	17.5





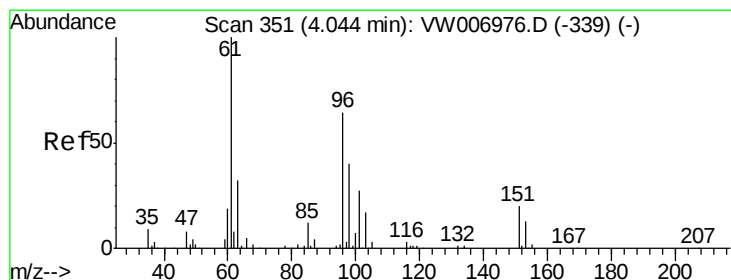
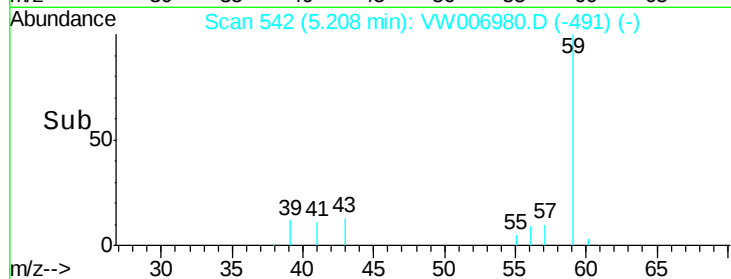
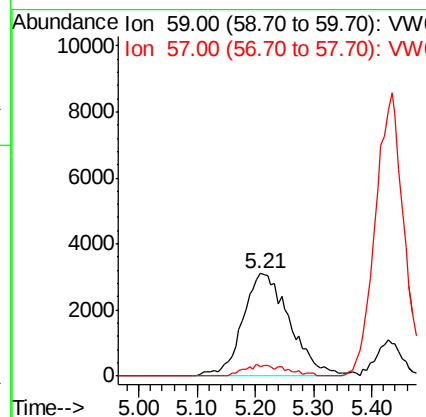
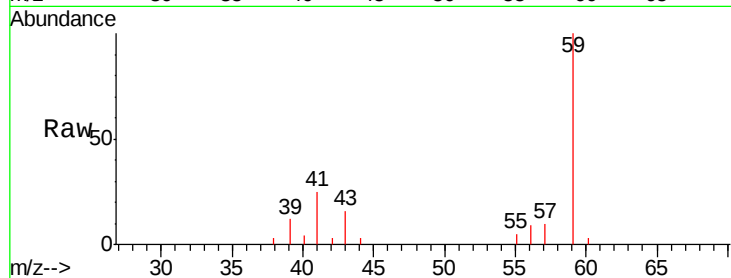
#11
Tert butyl alcohol
Concen: 226.85 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion: 59 Resp: 17414
Ion Ratio Lower Upper
59 100
57 6.5 8.6 13.0#

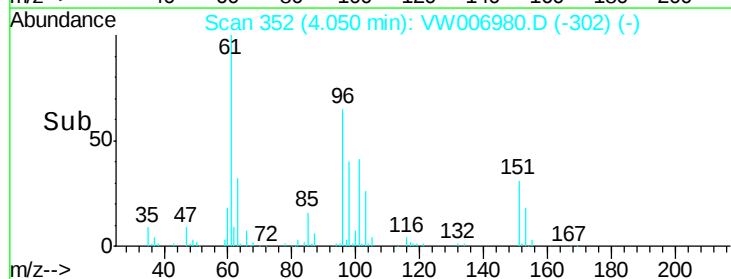
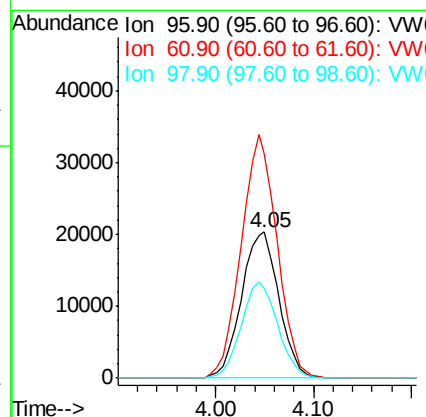
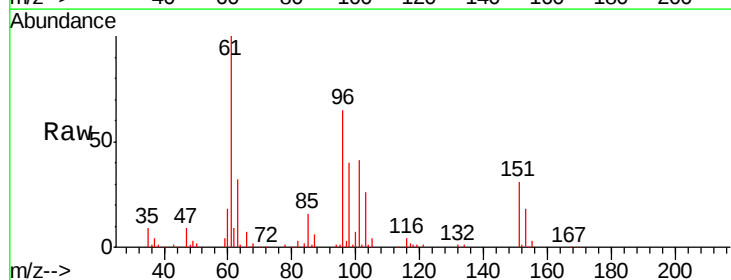
Manual Integrations
APPROVED

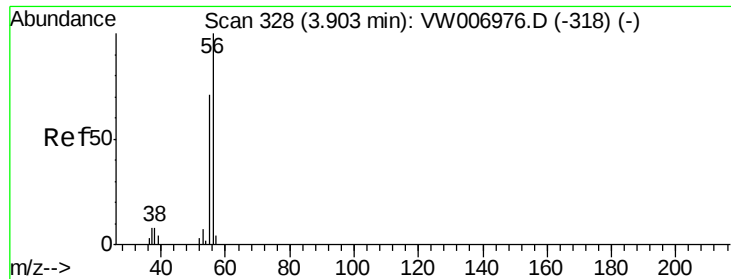
MMDadoda
11/21/2018 11:32:36 AM



#12
1,1-Dichloroethene
Concen: 49.40 ug/l
RT: 4.05 min Scan# 352
Delta R.T. 0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion: 96 Resp: 53854
Ion Ratio Lower Upper
96 100
61 153.1 124.3 186.5
98 61.8 49.4 74.2





#13

Acrolein

Concen: 226.80 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 56 Resp: 17879

Ion Ratio Lower Upper

56 100

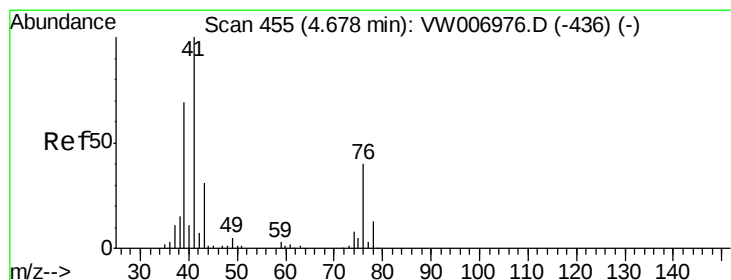
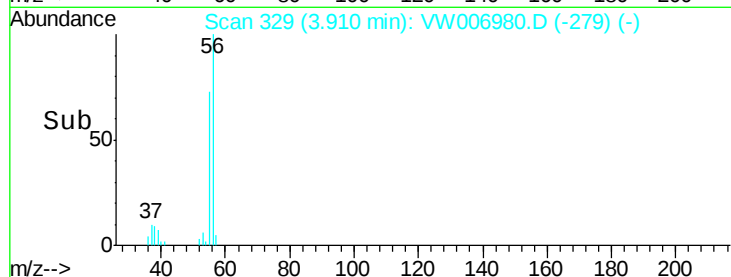
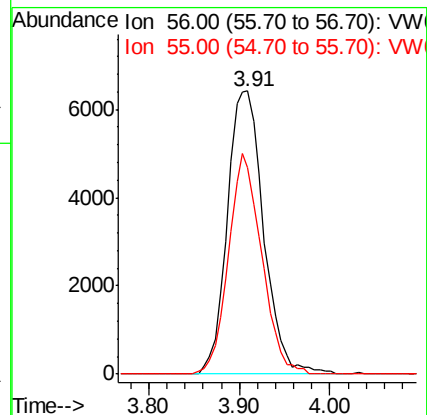
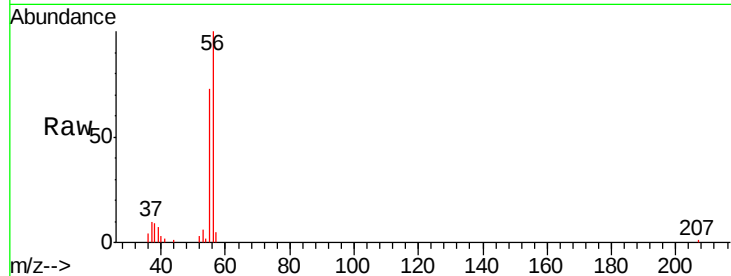
55 71.1 57.5 86.3

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:36 AM



#14

Allyl chloride

Concen: 48.87 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

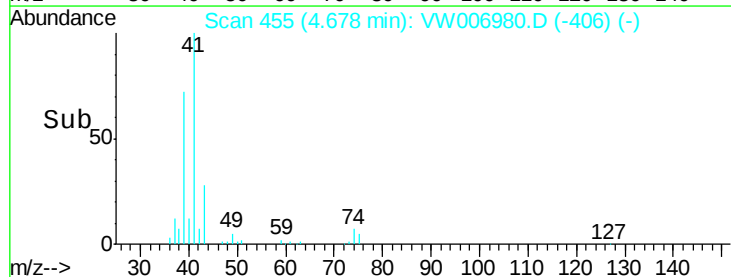
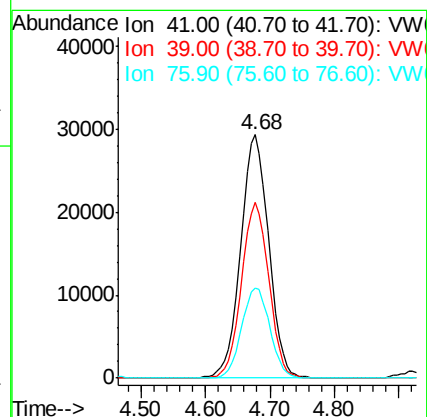
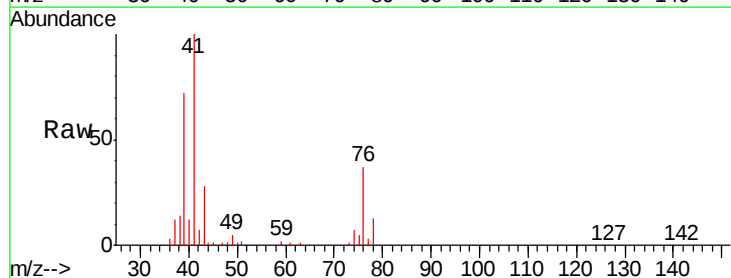
Tgt Ion: 41 Resp: 88368

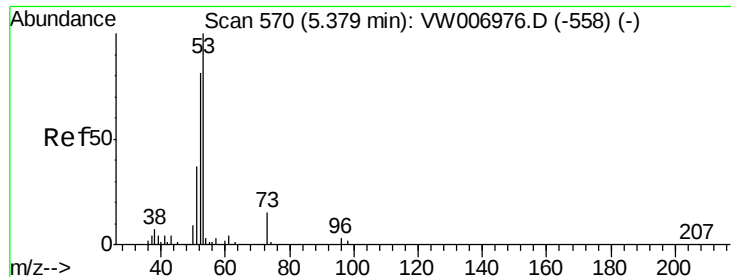
Ion Ratio Lower Upper

41 100

39 70.2 55.4 83.2

76 37.1 29.6 44.4





#15

Acrylonitrile

Concen: 234.37 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

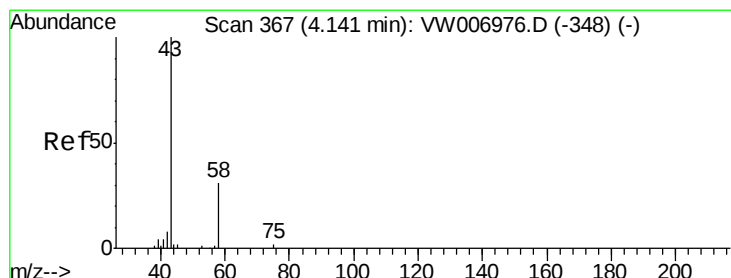
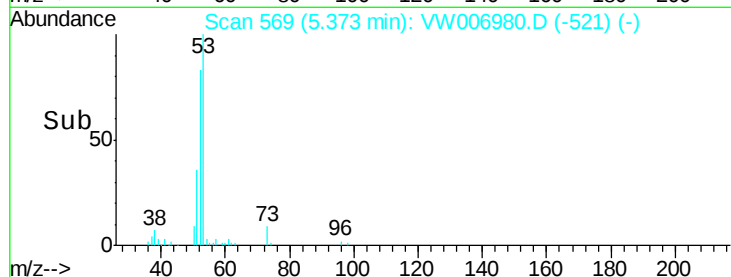
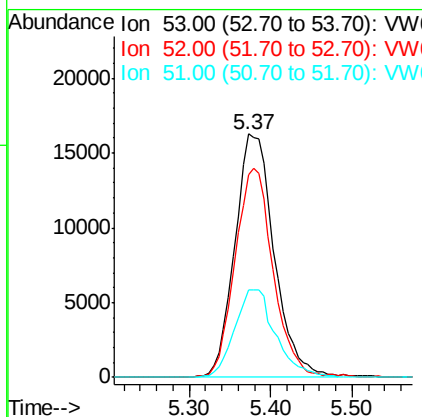
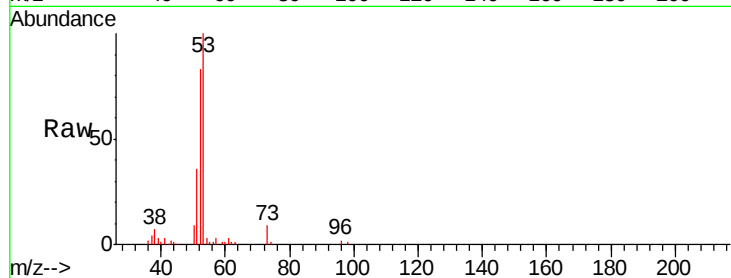
ClientSampleId :

ICVW112118

Tgt Ion:	53	Resp:	54422
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.7	98.5
51	37.5	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



#16

Acetone

Concen: 231.08 ug/l

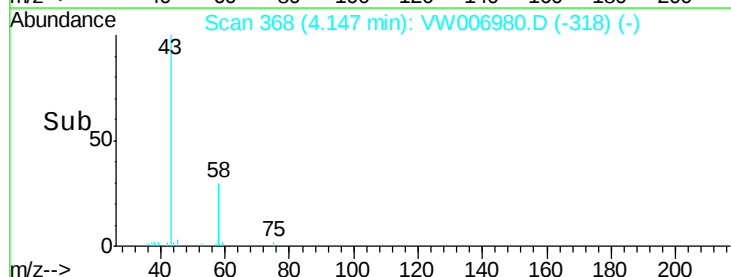
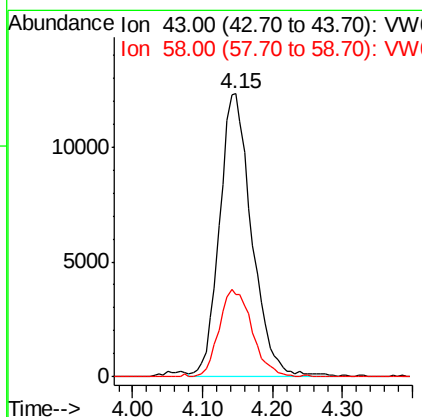
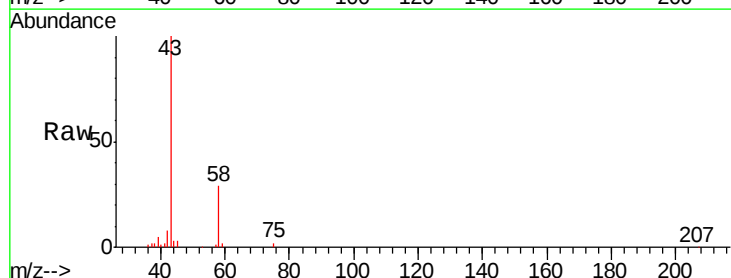
RT: 4.15 min Scan# 368

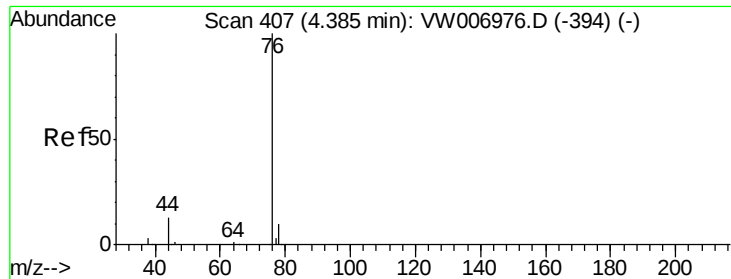
Delta R.T. 0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Tgt Ion:	43	Resp:	39562
Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.8	37.2





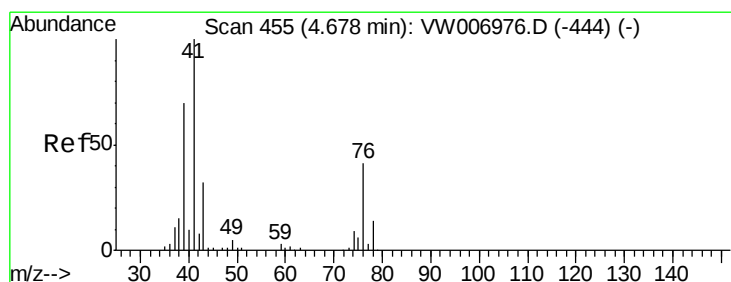
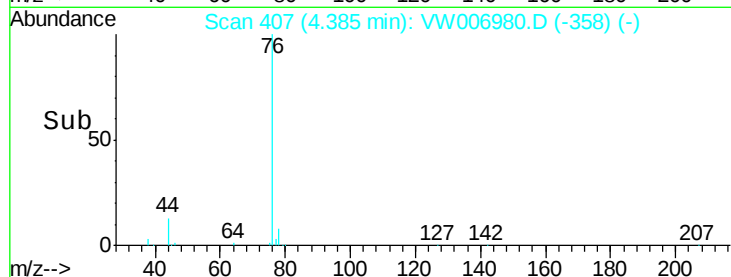
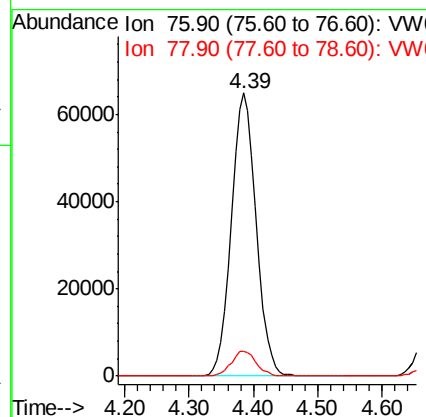
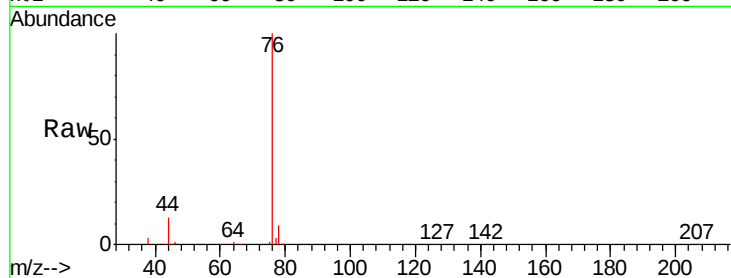
#17
Carbon Disulfide
Concen: 49.79 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVWV112118

Tgt Ion: 76 Resp: 175480
Ion Ratio Lower Upper
76 100
78 8.9 7.8 11.6

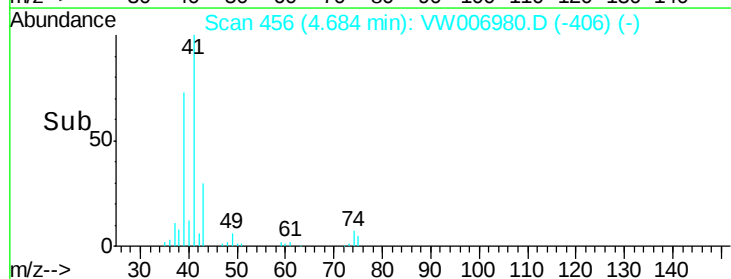
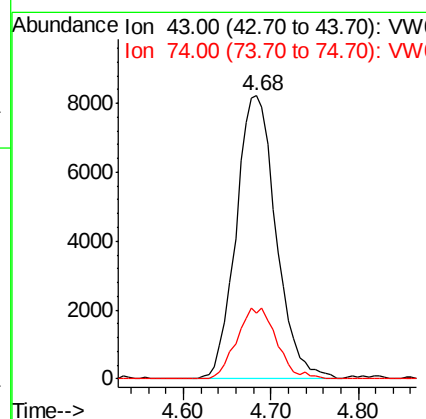
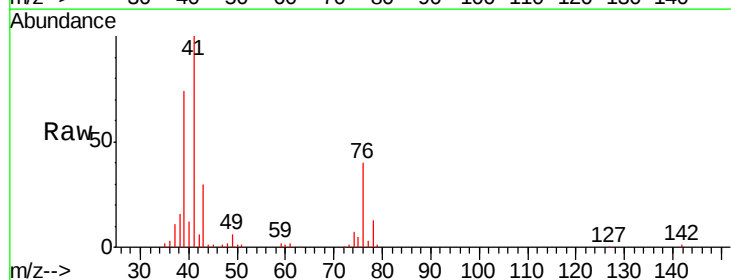
Manual Integrations
APPROVED

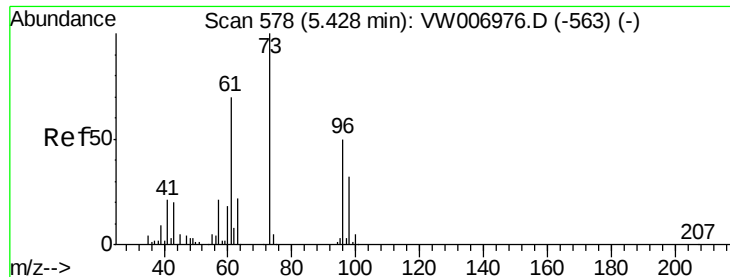
MMDadoda
11/21/2018 11:32:36 AM



#18
Methyl Acetate
Concen: 42.67 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion: 43 Resp: 26018
Ion Ratio Lower Upper
43 100
74 25.0 20.1 30.1





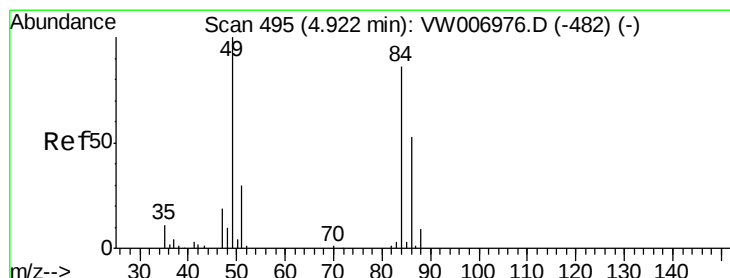
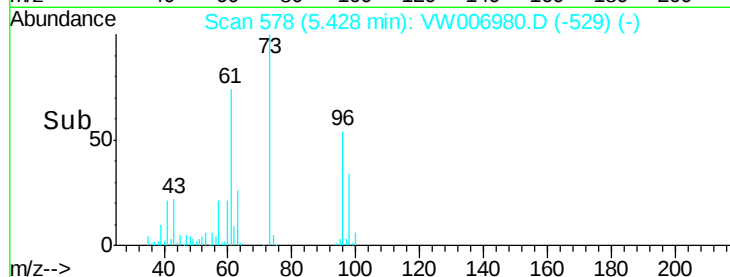
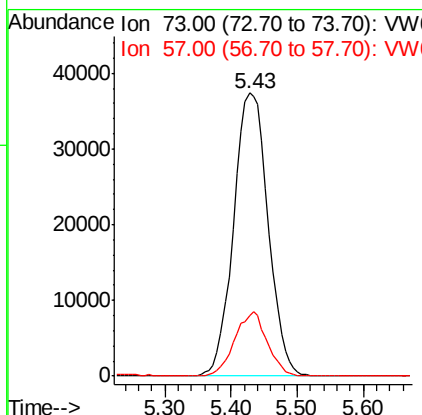
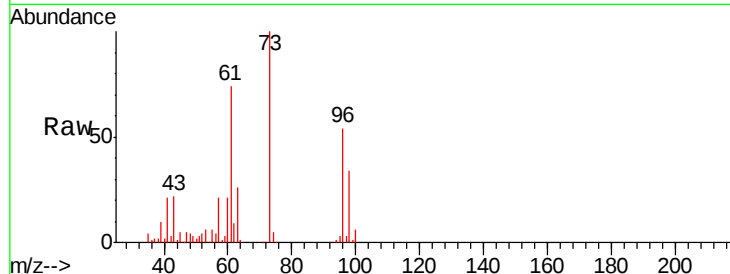
#19
Methyl tert-butyl Ether
Concen: 47.58 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion: 73 Resp: 135452
Ion Ratio Lower Upper
73 100
57 21.5 16.7 25.1

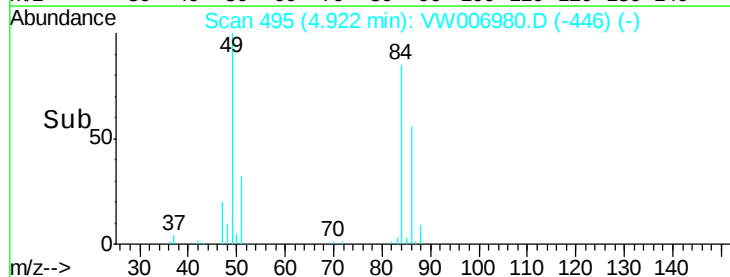
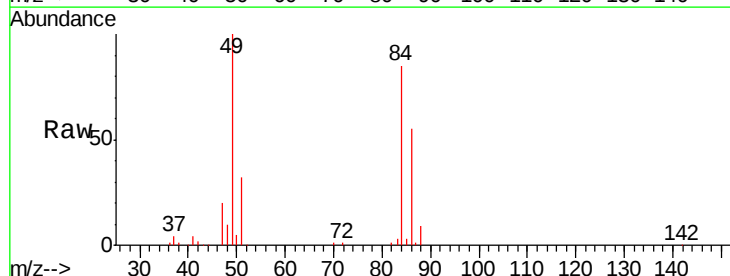
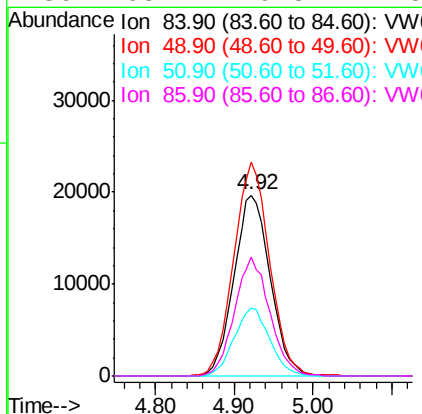
Manual Integrations
APPROVED

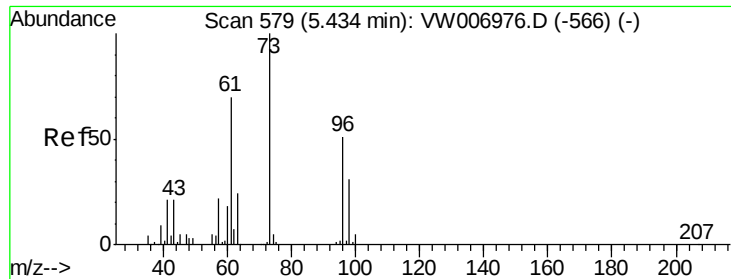
MMDadoda
11/21/2018 11:32:36 AM



#20
Methylene Chloride
Concen: 45.57 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion: 84 Resp: 62824
Ion Ratio Lower Upper
84 100
49 117.9 93.4 140.0
51 37.3 28.4 42.6
86 65.4 49.8 74.8





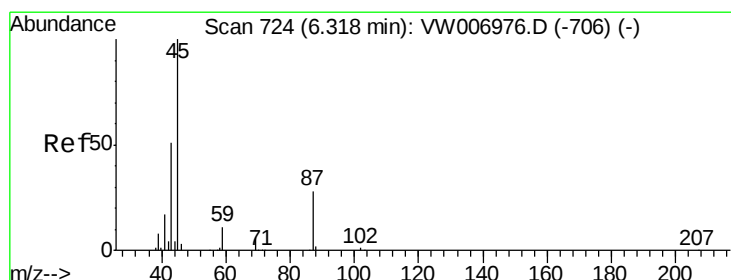
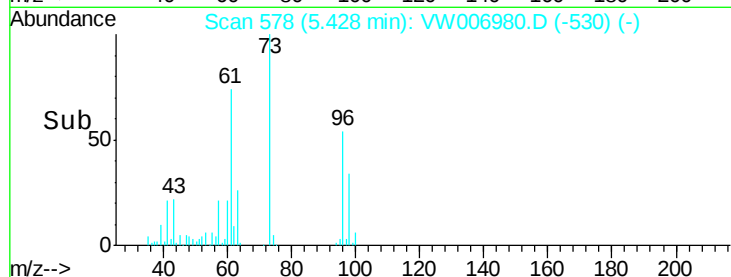
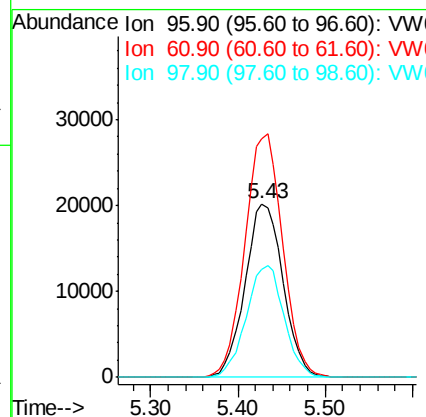
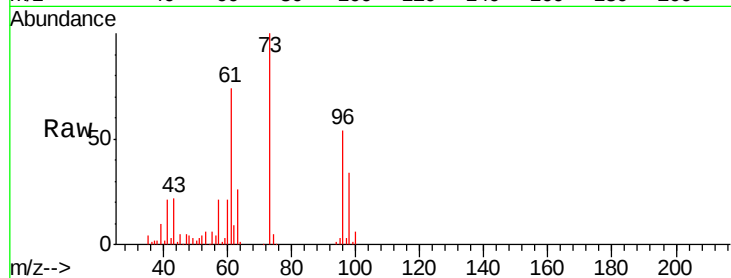
#21
trans-1,2-Dichloroethene
Concen: 48.07 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.9	109.4	164.0
98	62.3	48.3	72.5

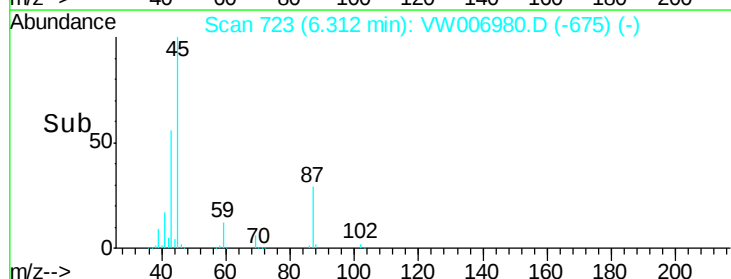
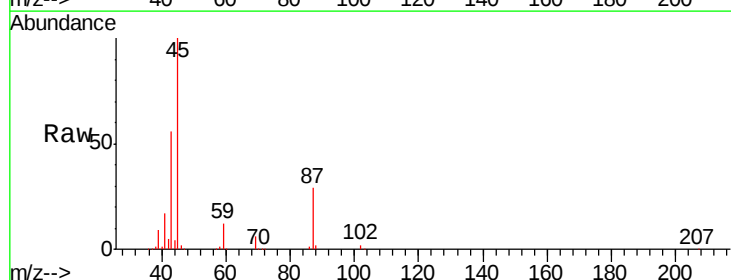
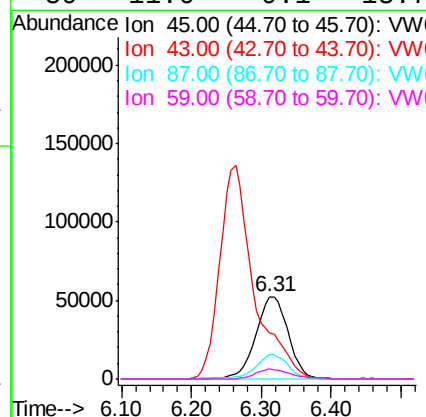
Manual Integrations
APPROVED

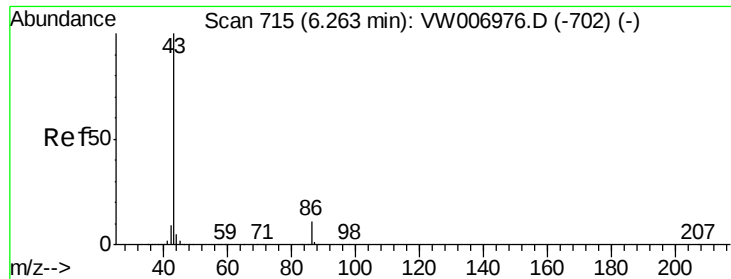
MMDadoda
11/21/2018 11:32:36 AM



#22
Diisopropyl ether
Concen: 47.80 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.5	63.7
87	29.3	22.8	34.2
59	11.6	9.1	13.7





#23

Vinyl Acetate

Concen: 246.59 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 43 Resp: 460873

Ion Ratio Lower Upper

43 100

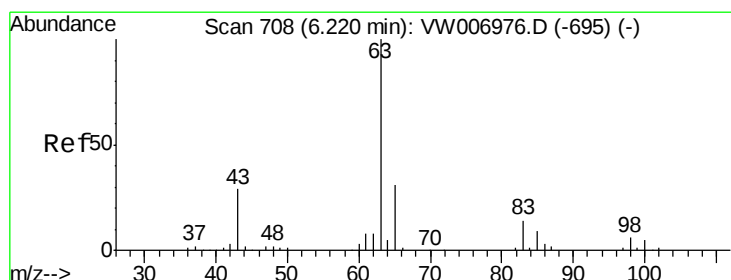
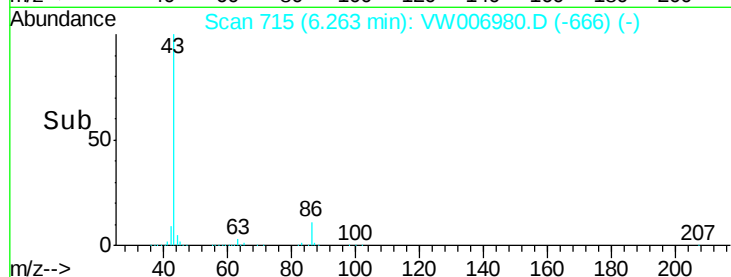
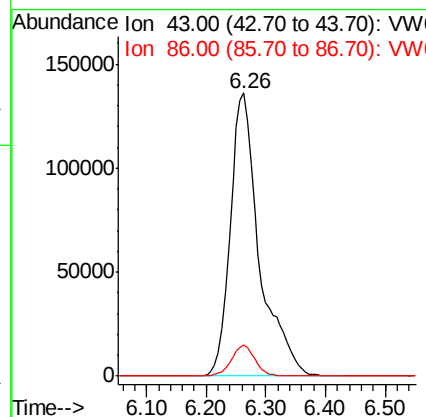
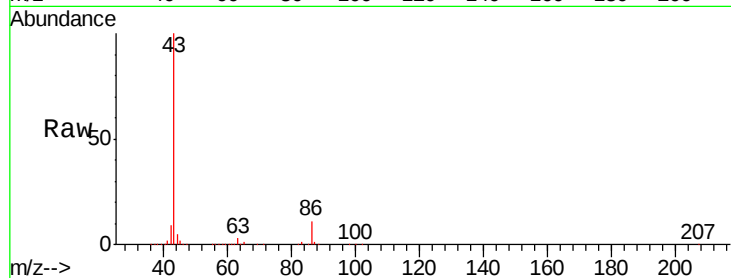
86 10.8 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:36 AM



#24

1,1-Dichloroethane

Concen: 48.10 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

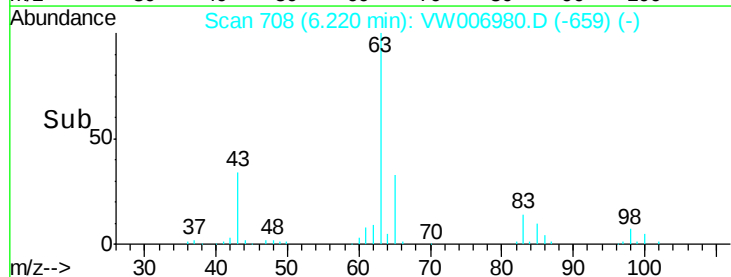
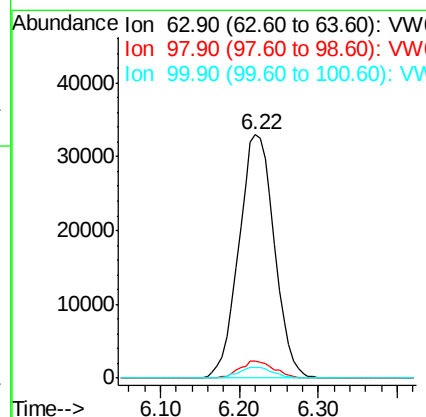
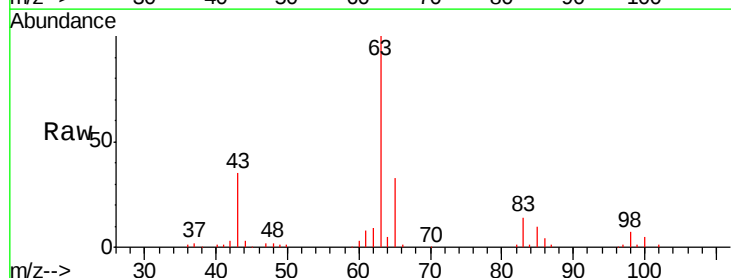
Tgt Ion: 63 Resp: 102981

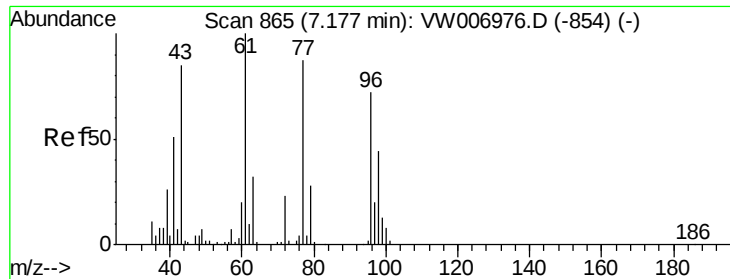
Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 230.44 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 43 Resp: 67572

Ion Ratio Lower Upper

43 100

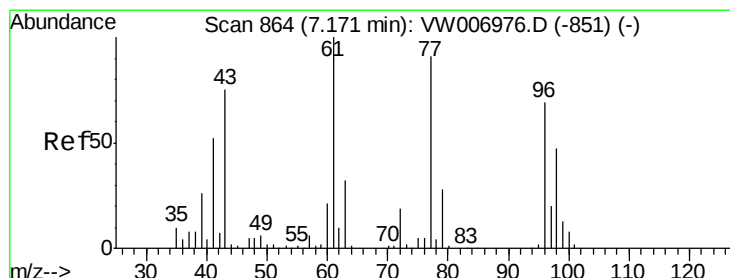
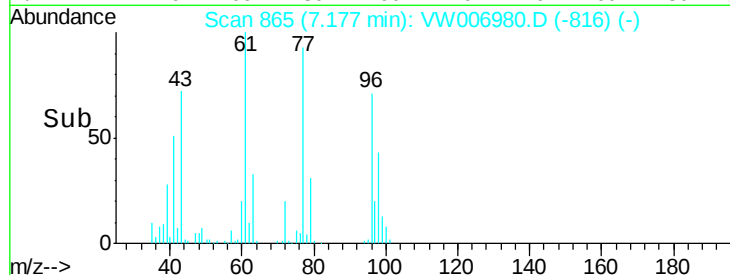
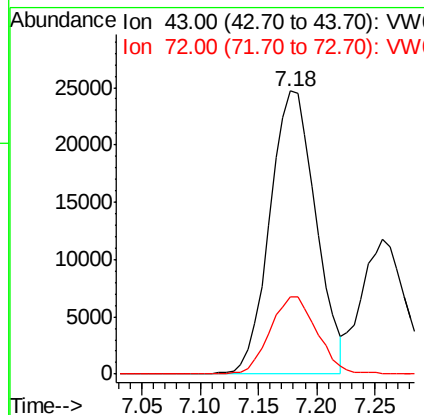
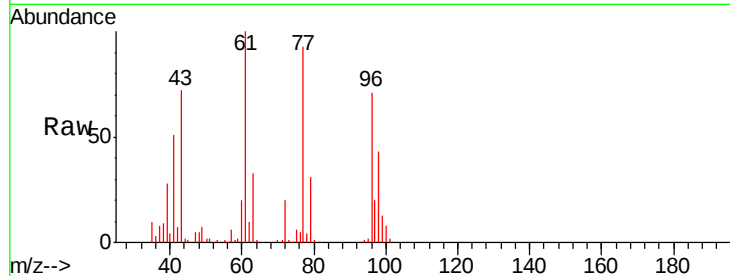
72 27.5 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:36 AM



#26

2,2-Dichloropropane

Concen: 50.61 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006980.D

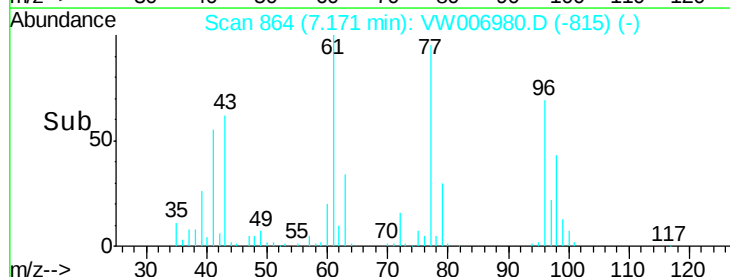
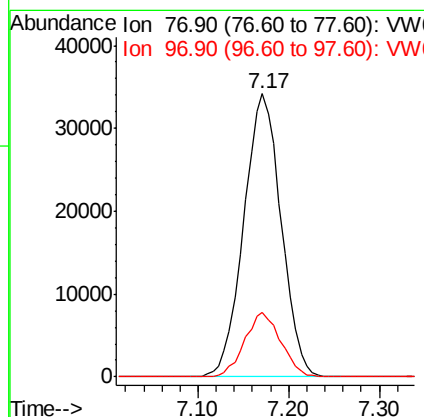
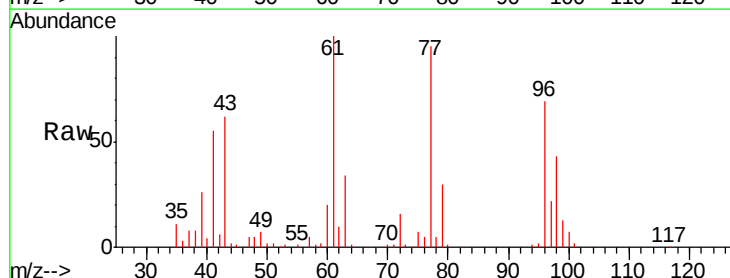
Acq: 20 Nov 2018 17:33

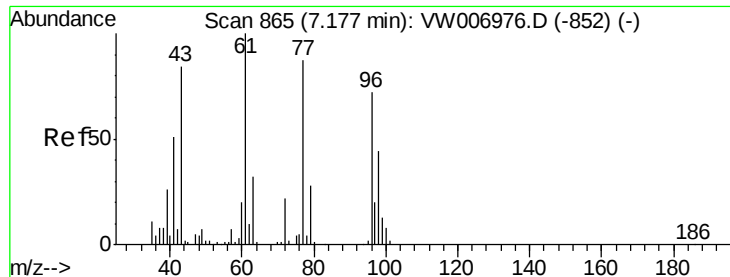
Tgt Ion: 77 Resp: 97447

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 47.95 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

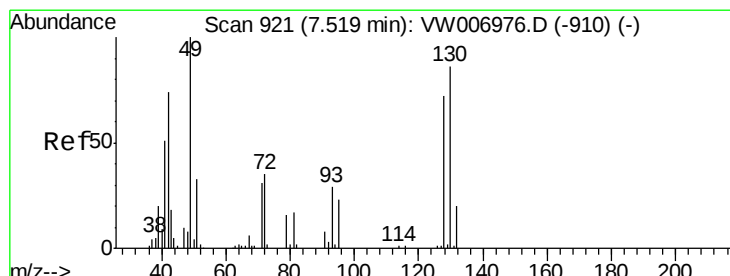
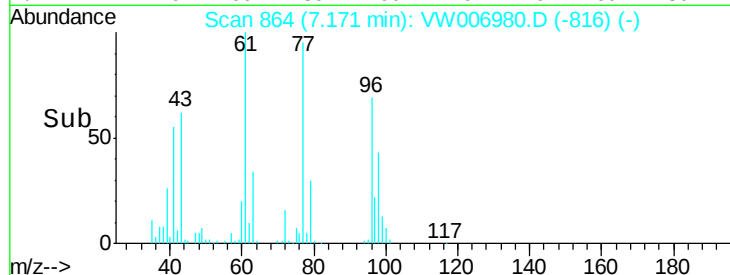
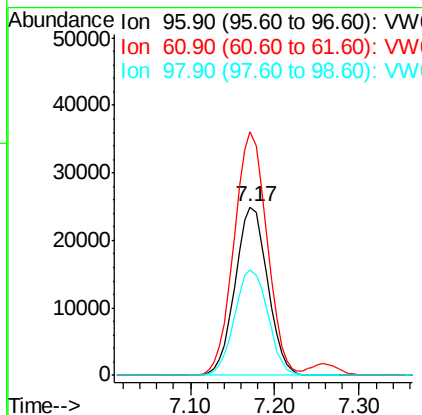
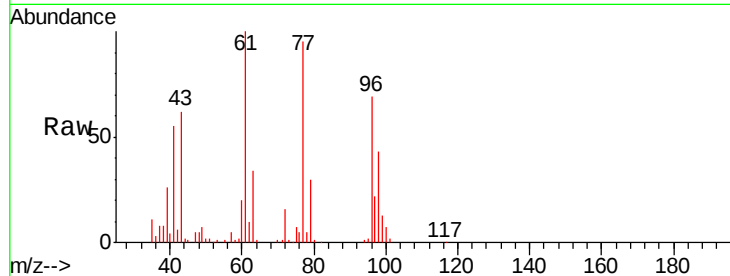
ClientSampleId :

ICVW112118

Tgt Ion:	96	Resp:	64853
Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	292.6
98	64.5	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



#28

Bromochloromethane

Concen: 47.71 ug/l

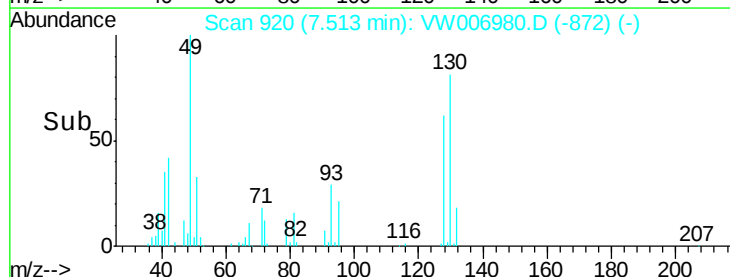
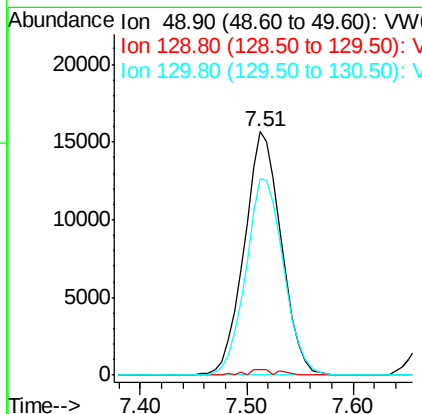
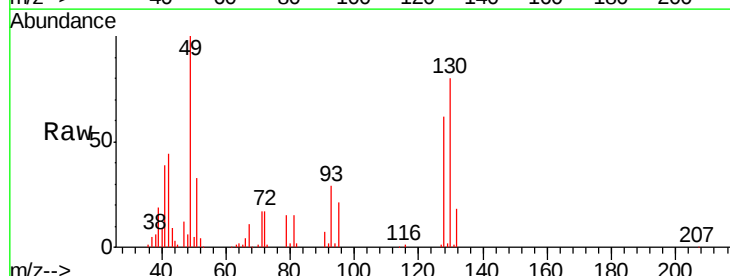
RT: 7.51 min Scan# 920

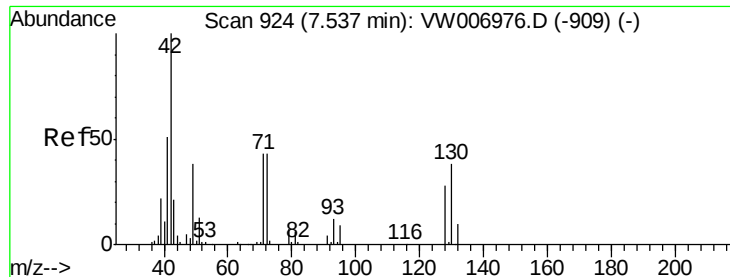
Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Tgt Ion:	49	Resp:	38177
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.0
130	82.3	69.0	103.4





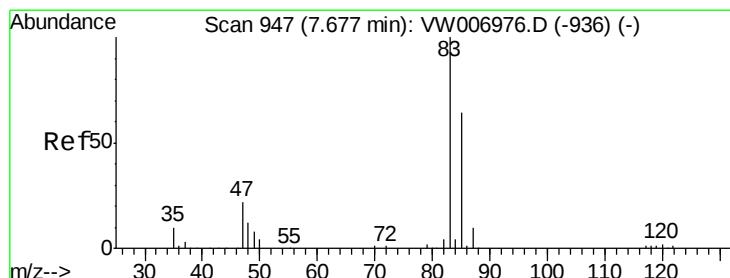
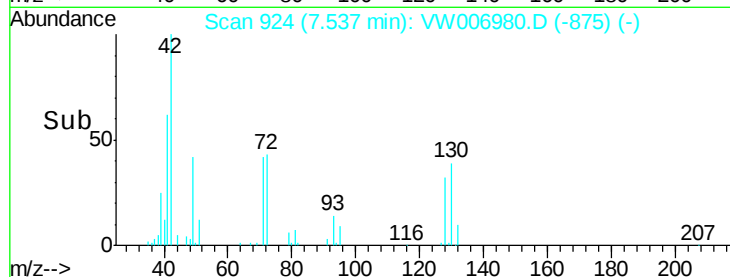
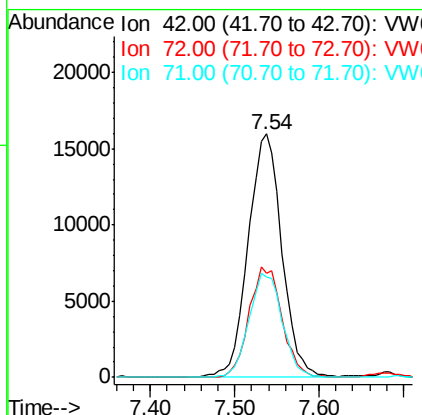
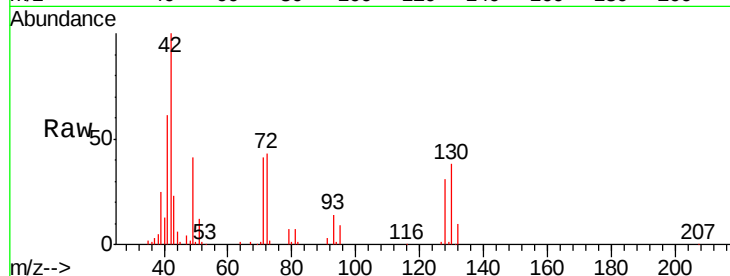
#29
Tetrahydrofuran
Concen: 228.64 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.2	54.4
71	42.1	33.8	50.8

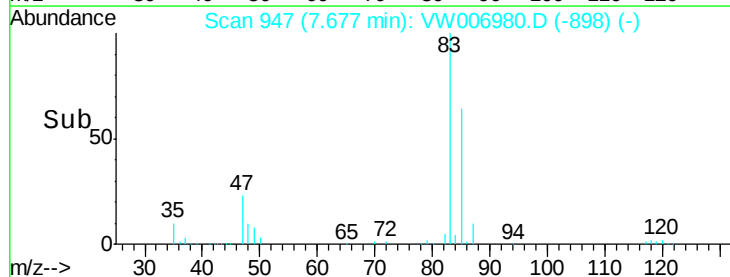
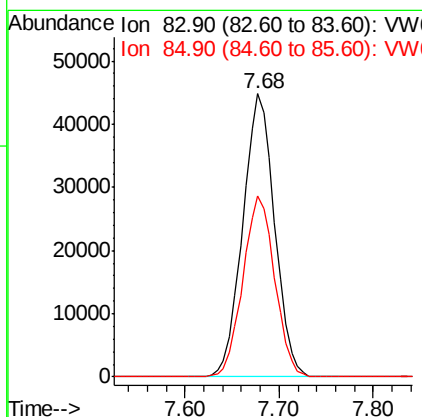
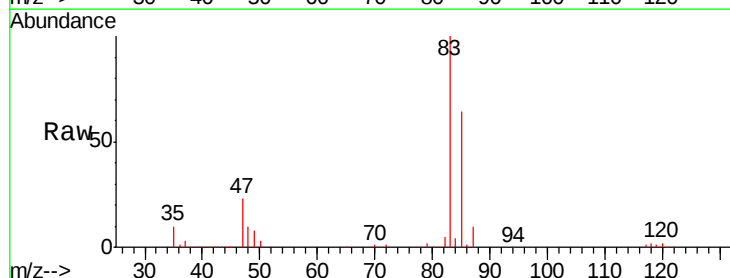
Manual Integrations
APPROVED

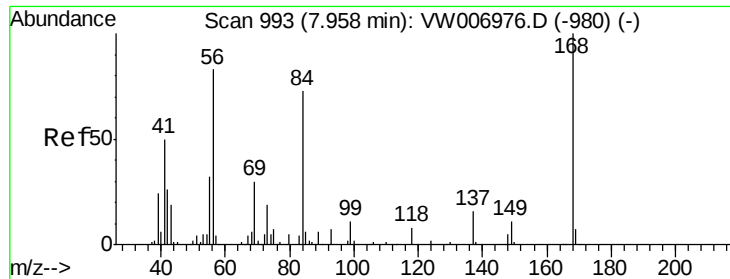
MMDadoda
11/21/2018 11:32:36 AM



#30
Chloroform
Concen: 46.59 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3





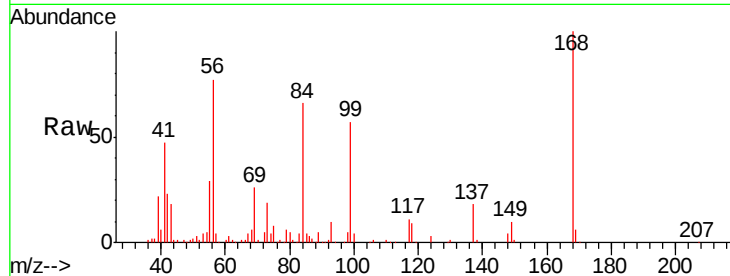
#31
Cyclohexane
Concen: 48.22 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

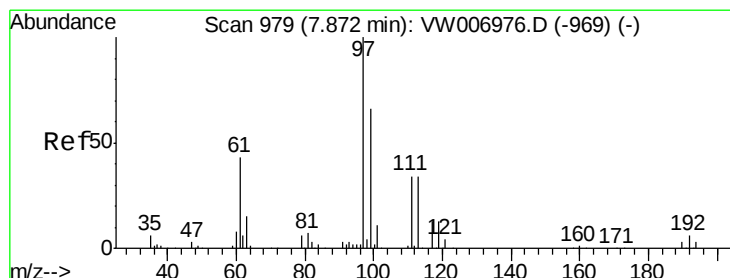
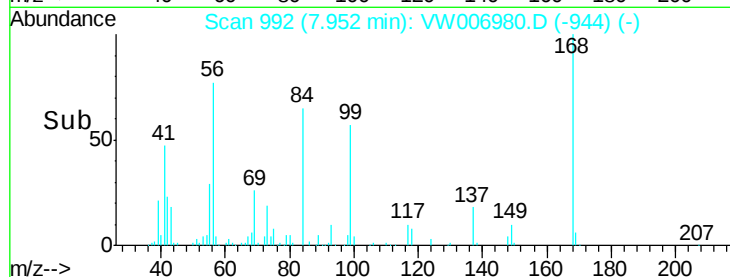
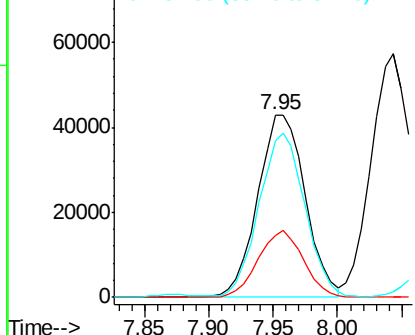
Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.1	29.1	43.7
84	84.5	70.6	105.8

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM

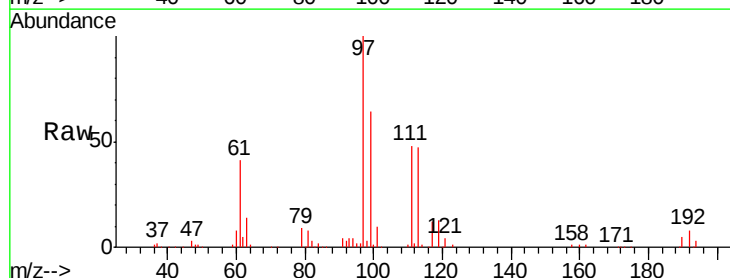


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

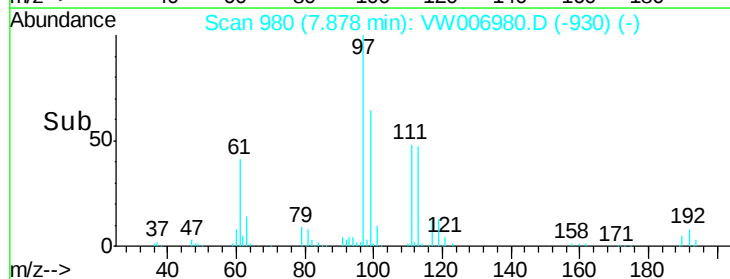
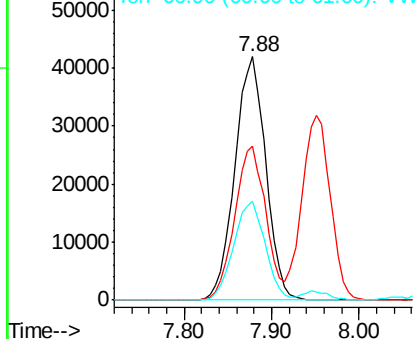


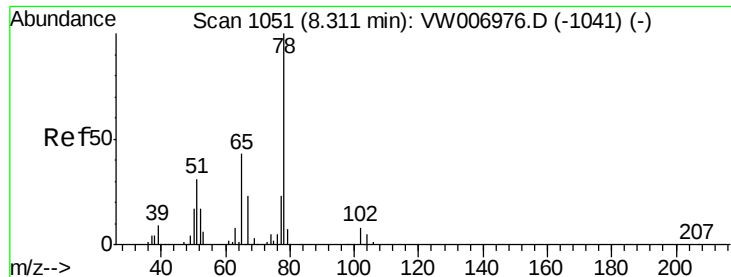
#32
1,1,1-Trichloroethane
Concen: 50.28 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.9	77.9
61	41.4	33.4	50.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





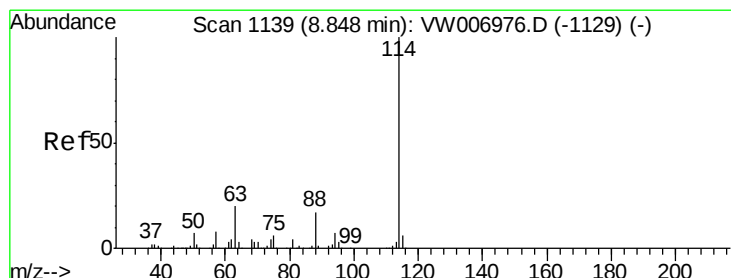
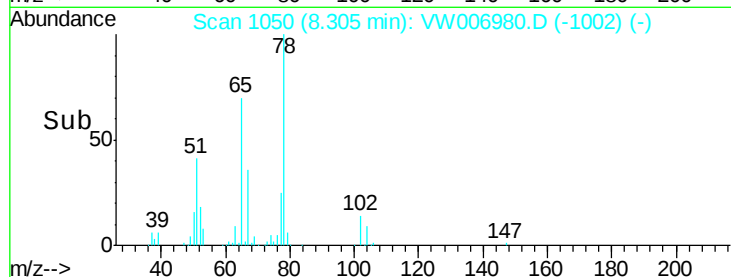
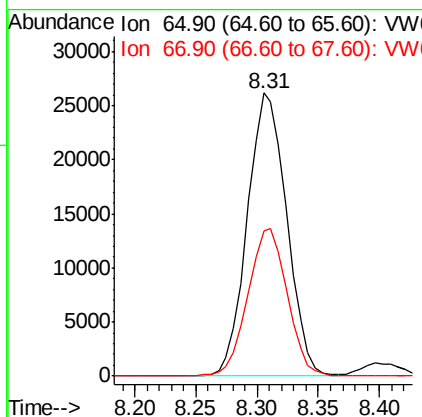
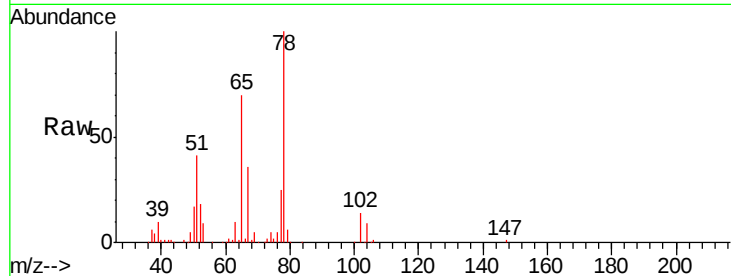
#33
 1,2-Dichloroethane-d4
 Concen: 49.74 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVW112118

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	58652		
67	51.9	0.0	106.2	

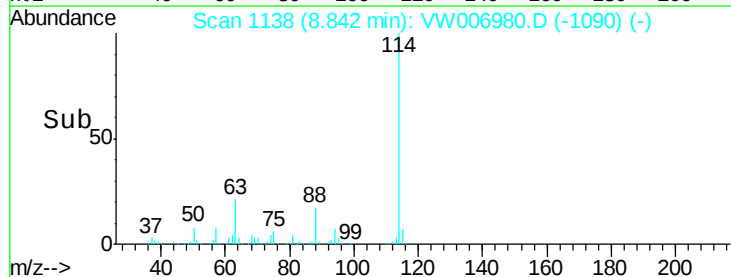
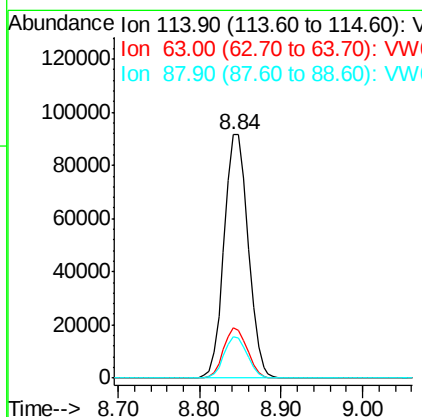
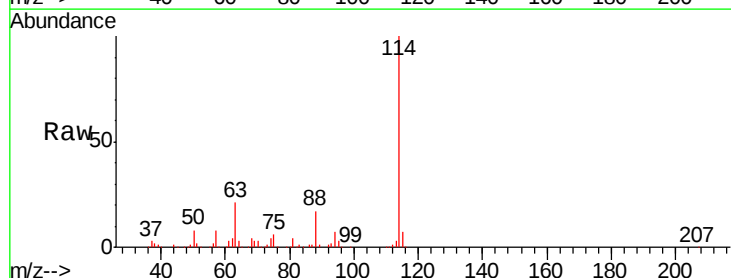
Manual Integrations
 APPROVED

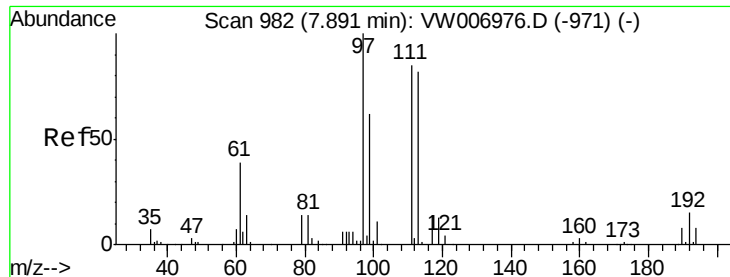
MMDadoda
 11/21/2018 11:32:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	186716		
63	20.9	0.0	39.4	
88	17.0	0.0	34.2	





#35

Dibromofluoromethane

Concen: 52.99 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

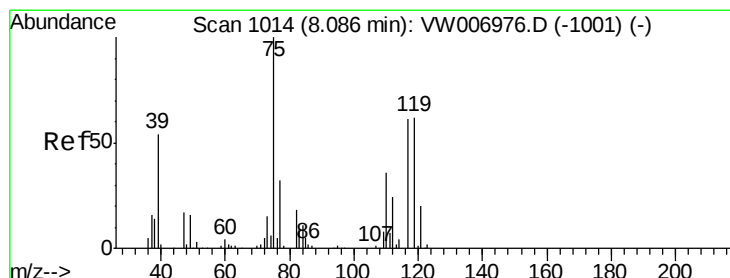
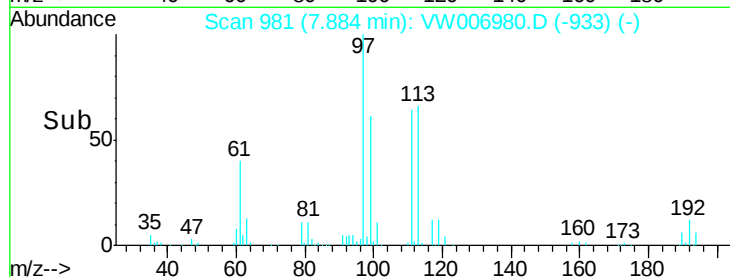
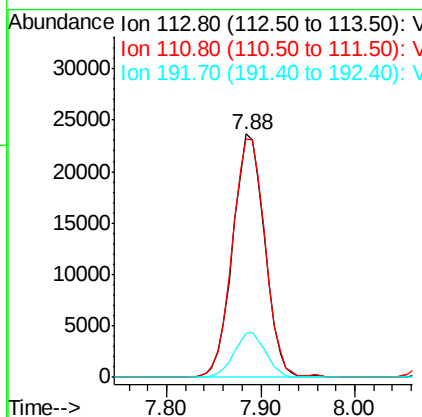
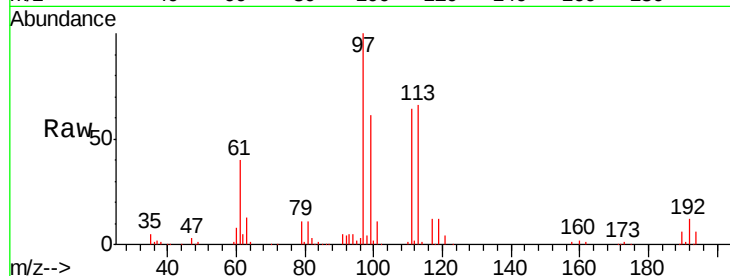
ClientSampleId :

ICVW112118

Tgt Ion:	113	Resp:	55878
Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.0	121.6
192	18.0	15.0	22.6

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



#36

1,1-Dichloropropene

Concen: 50.25 ug/l

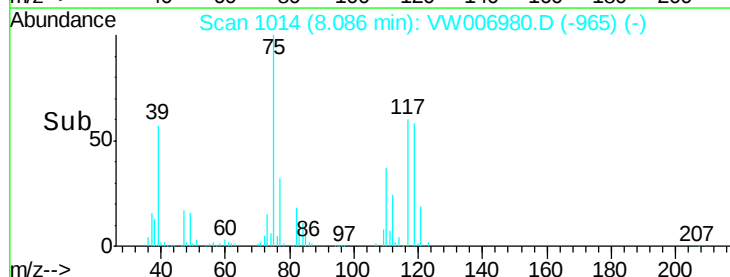
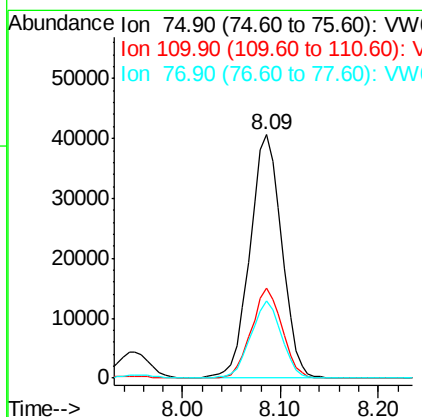
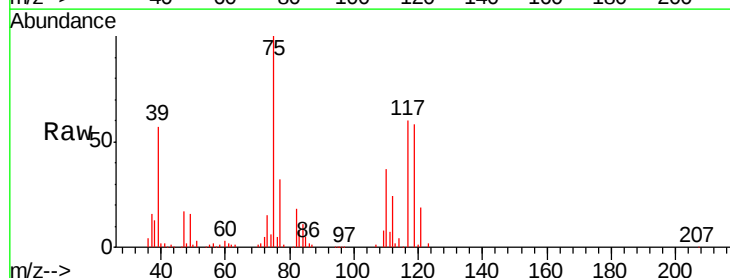
RT: 8.09 min Scan# 1014

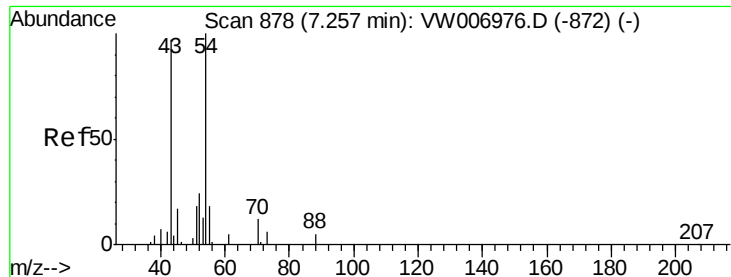
Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Tgt Ion:	75	Resp:	91686
Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.0	54.0
77	30.8	24.9	37.3





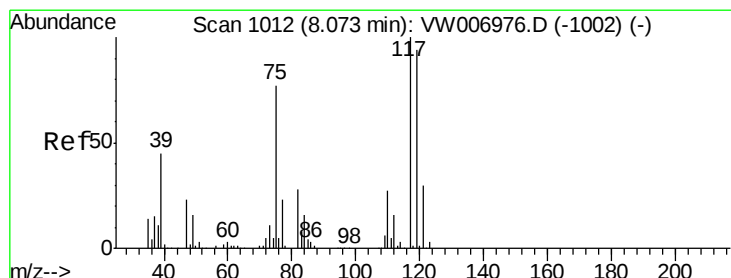
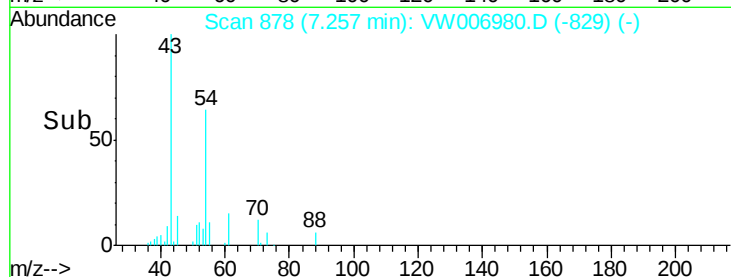
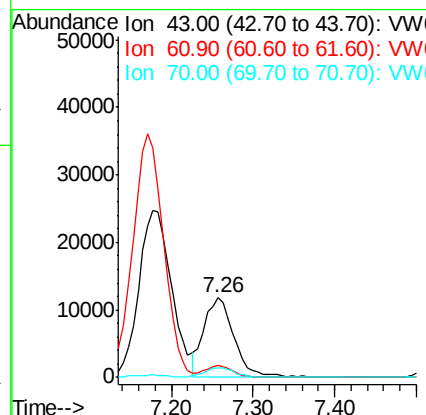
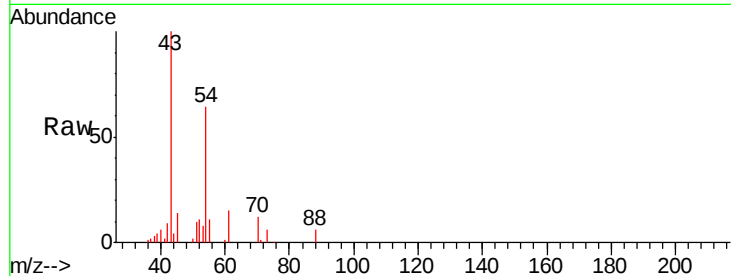
#37
Ethyl Acetate
Concen: 46.32 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	12.2	8.8	13.2

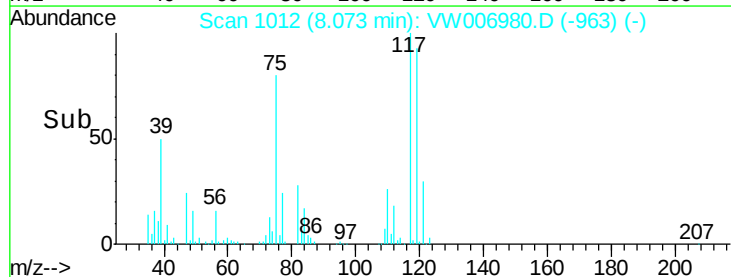
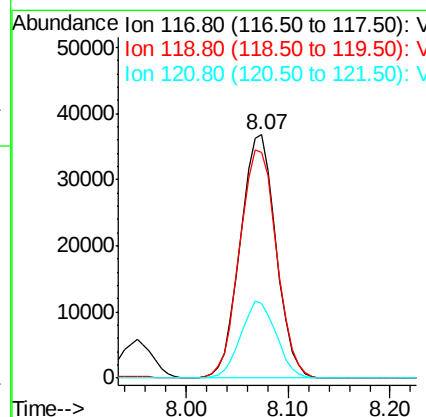
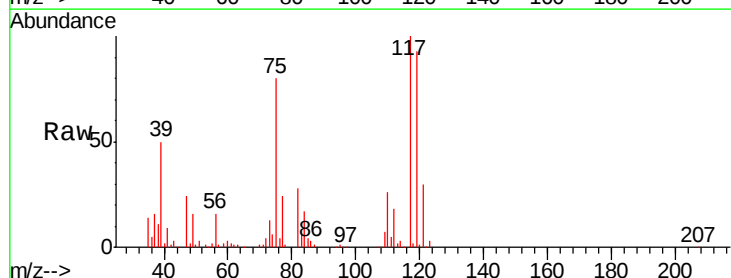
Manual Integrations
APPROVED

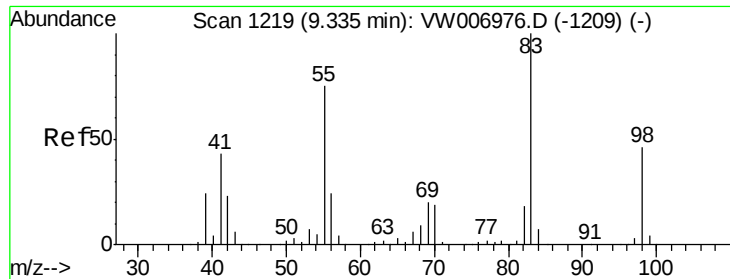
MMDadoda
11/21/2018 11:32:36 AM



#38
Carbon Tetrachloride
Concen: 51.21 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.9	112.3
121	30.5	23.6	35.4





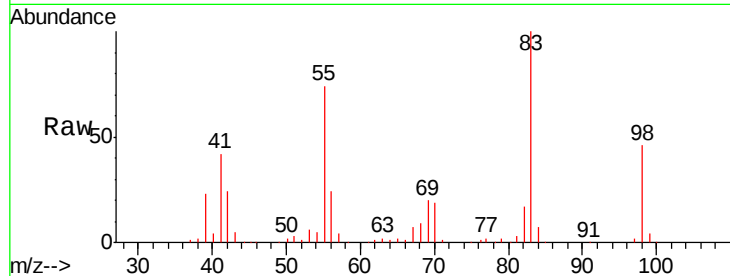
#39
Methylcyclohexane
Concen: 50.55 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

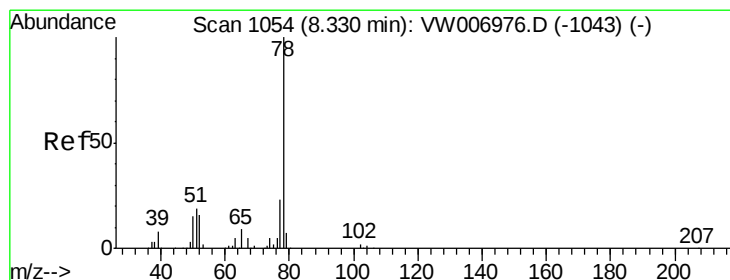
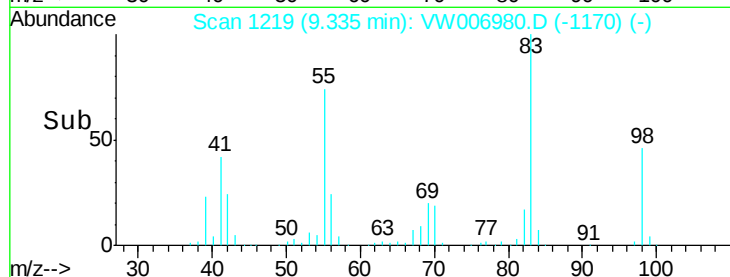
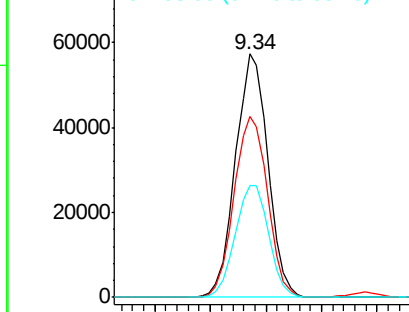
Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.3	59.6	89.4
98	46.2	37.1	55.7

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM

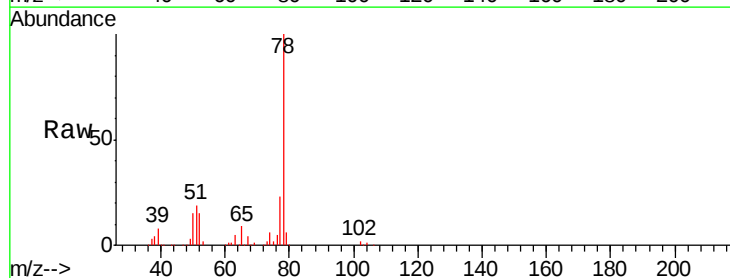


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

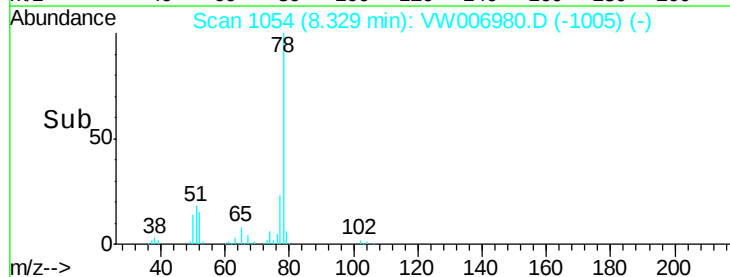
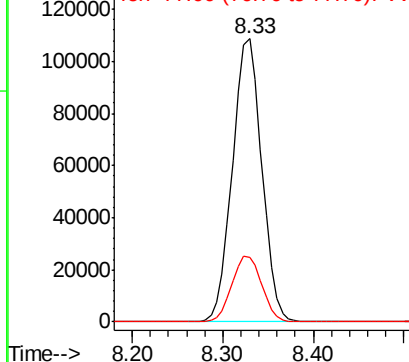


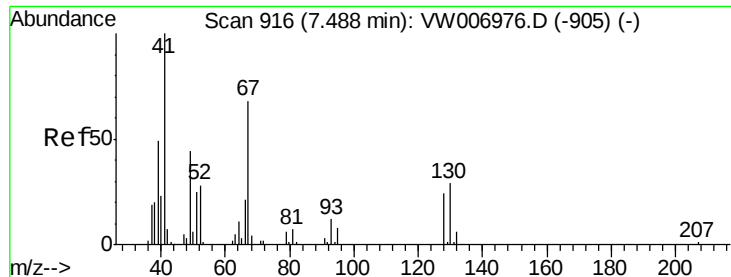
#40
Benzene
Concen: 49.70 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





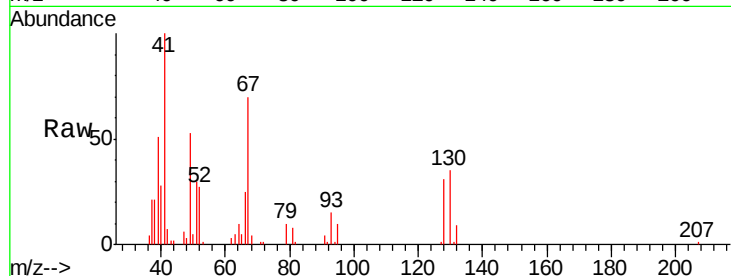
#41
Methacrylonitrile
Concen: 45.89 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

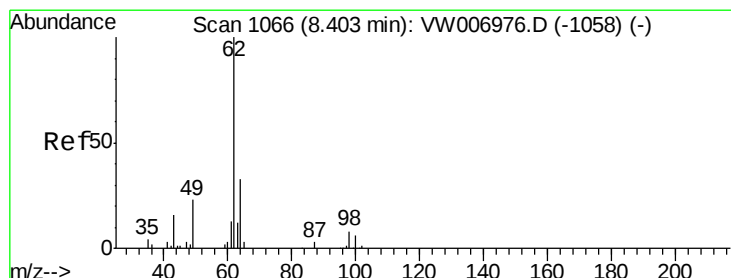
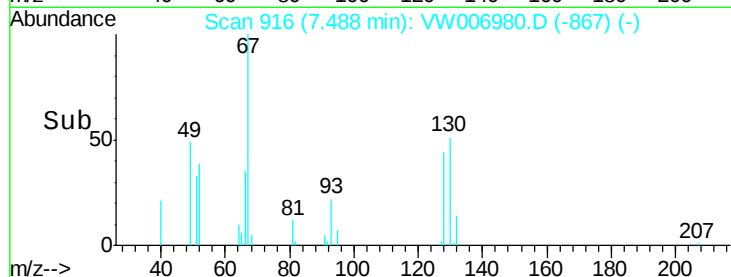
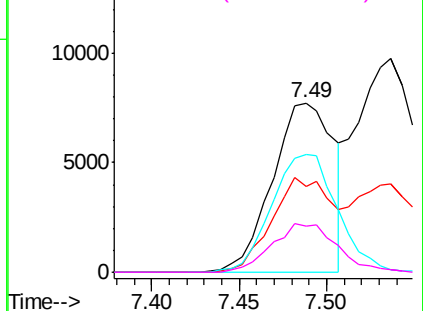
Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.5	48.6	73.0
67	74.9	59.8	89.8
52	30.2	24.8	37.2

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM

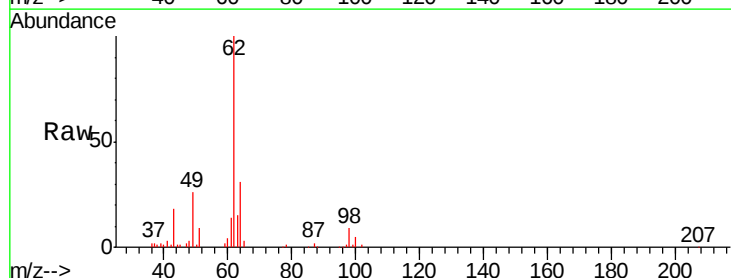


Abundance Ion 41.00 (40.70 to 41.70): VW
15000 Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

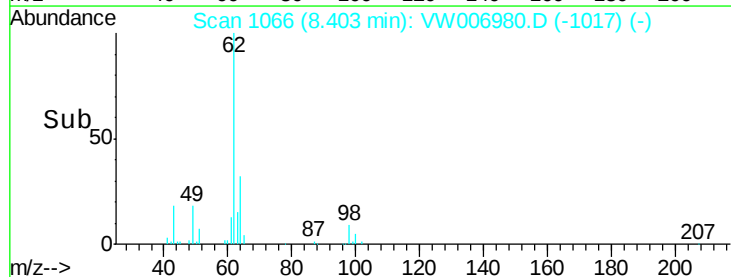
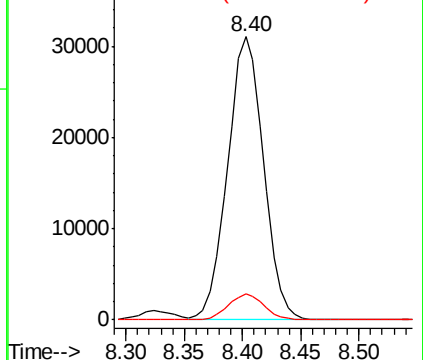


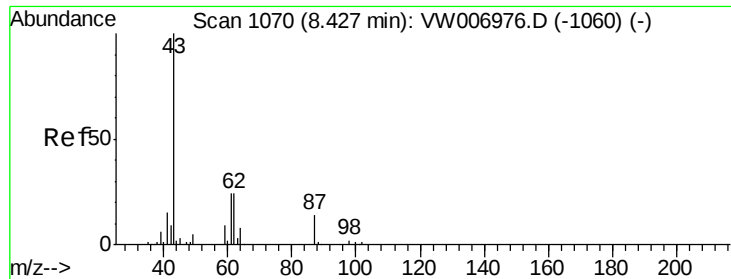
#42
1,2-Dichloroethane
Concen: 46.67 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6



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





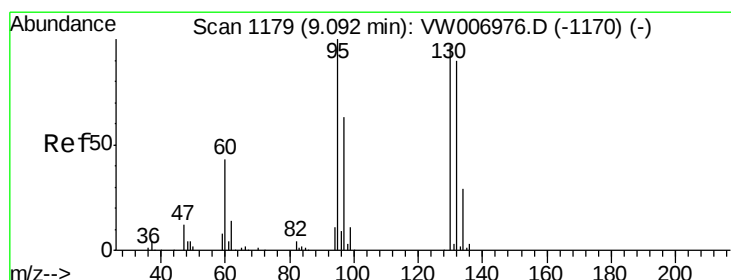
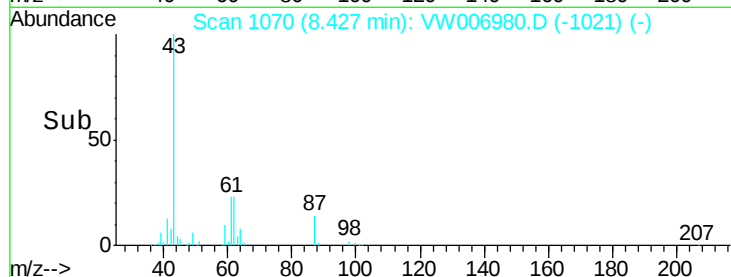
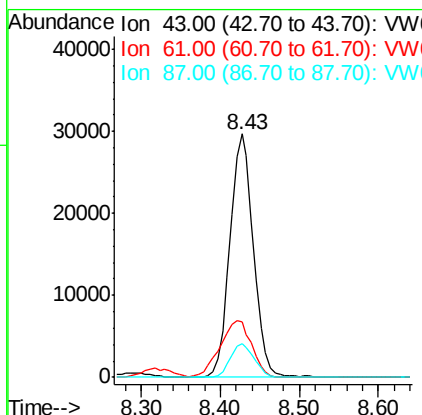
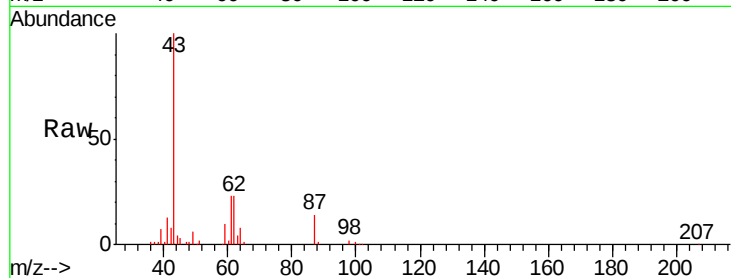
#43
Isopropyl Acetate
Concen: 48.79 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.3	26.1	39.1
87	13.9	11.2	16.8

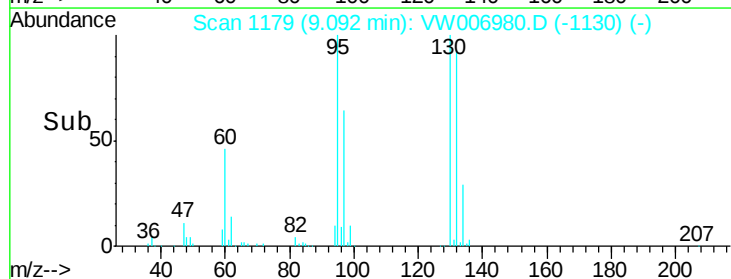
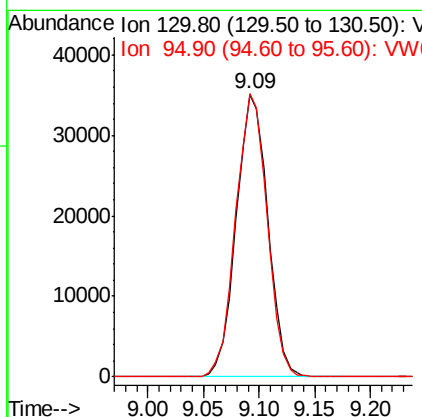
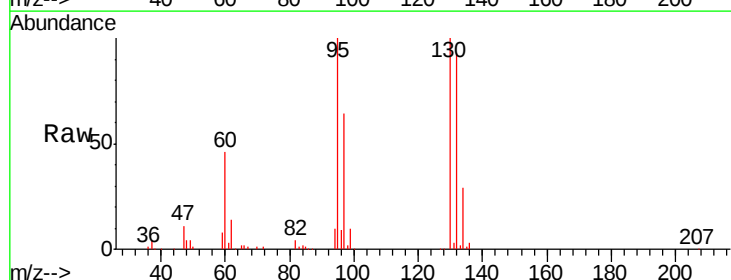
Manual Integrations
APPROVED

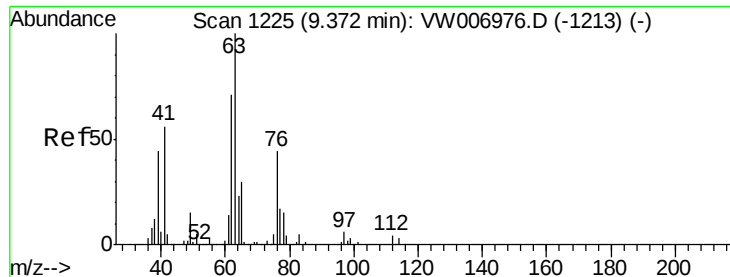
MMDadoda
11/21/2018 11:32:36 AM



#44
Trichloroethene
Concen: 49.84 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	206.4





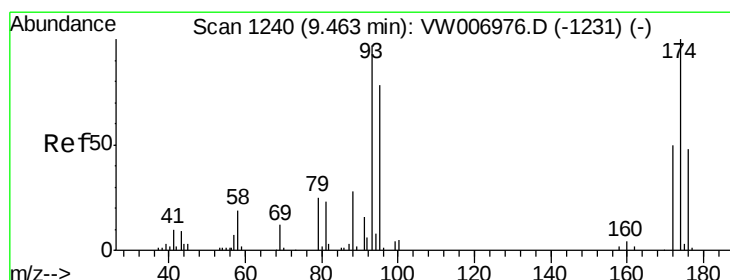
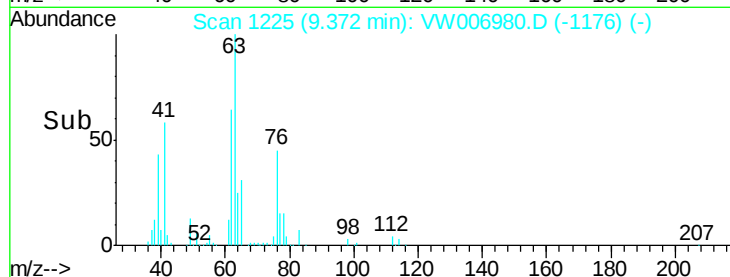
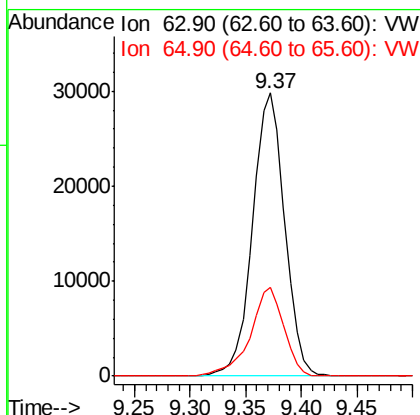
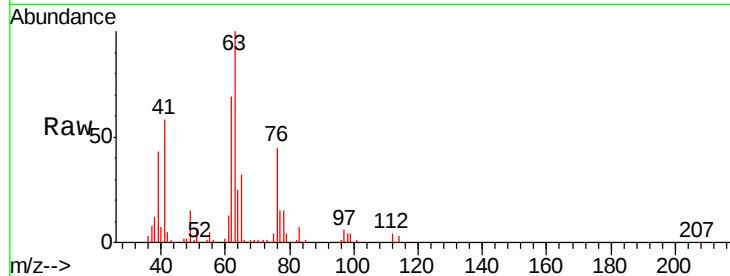
#45
 1,2-Dichloropropane
 Concen: 49.30 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW112118

Tgt Ion: 63 Resp: 59861
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6

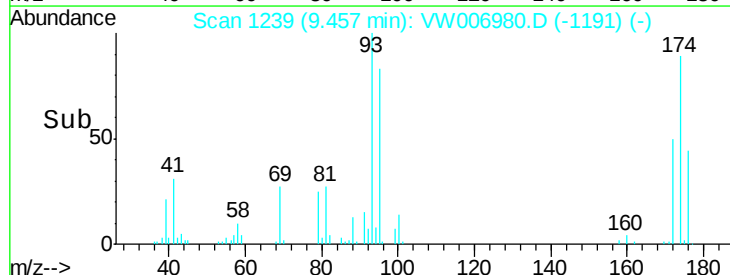
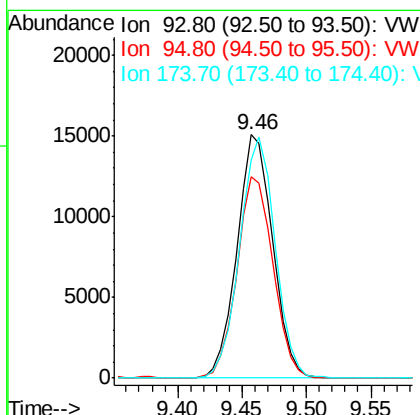
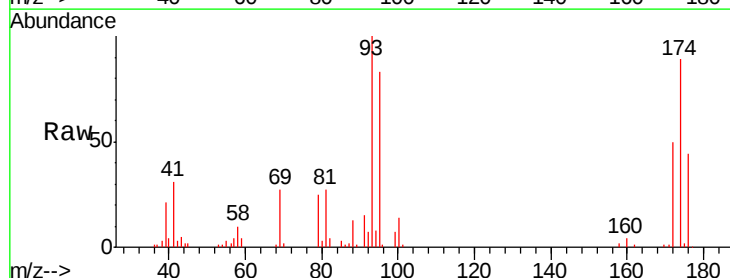
Manual Integrations
 APPROVED

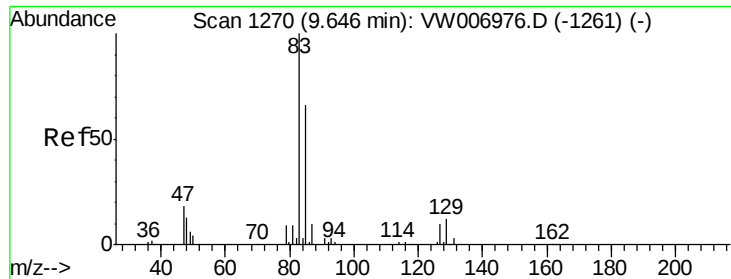
MMDadoda
 11/21/2018 11:32:36 AM



#46
 Dibromomethane
 Concen: 47.60 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion: 93 Resp: 28938
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.1 99.1
 174 98.1 79.7 119.5





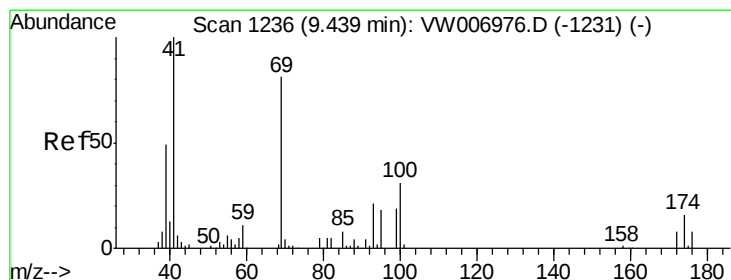
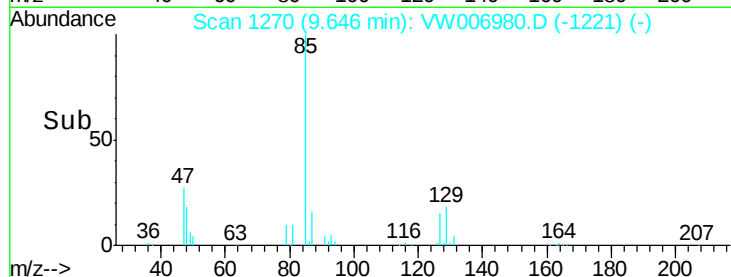
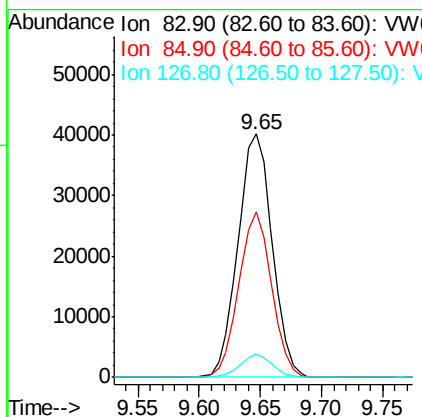
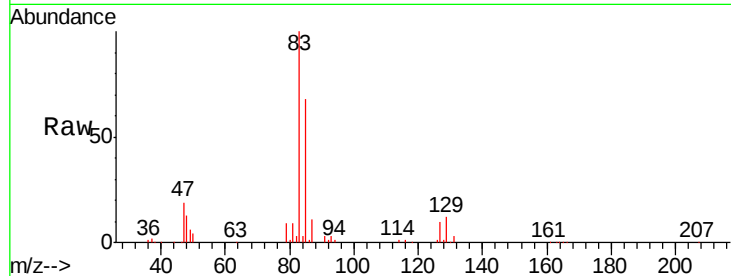
#47
Bromodichloromethane
Concen: 48.73 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	52.9	79.3
127	9.8	7.8	11.6

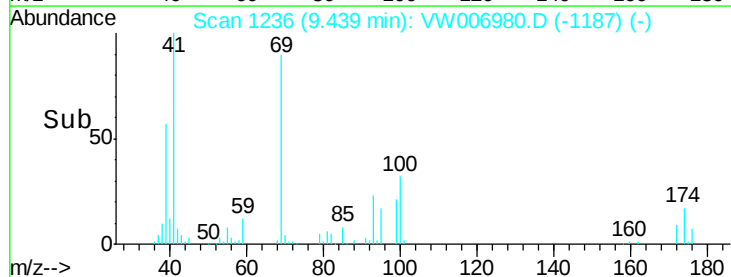
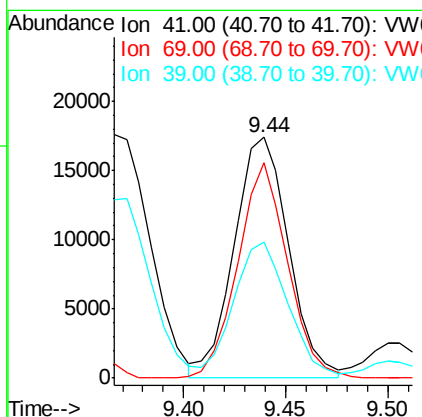
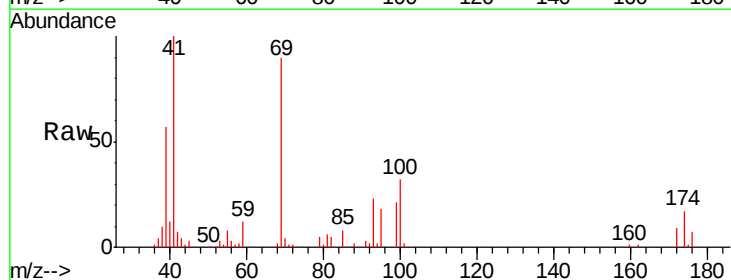
Manual Integrations
APPROVED

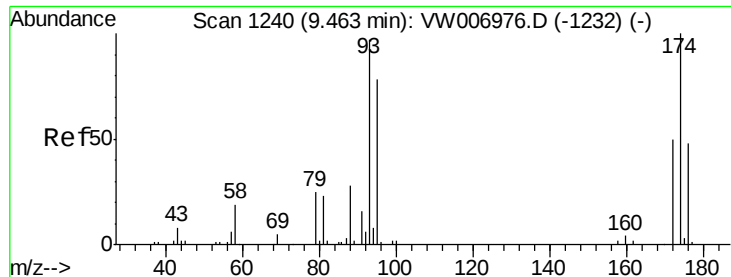
MMDadoda
11/21/2018 11:32:36 AM



#48
Methyl methacrylate
Concen: 53.20 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.0	71.4	107.0
39	52.4	44.8	67.2





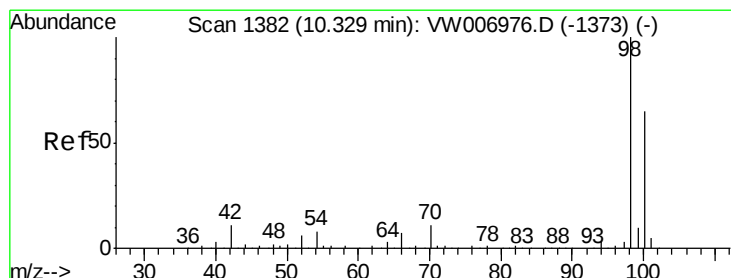
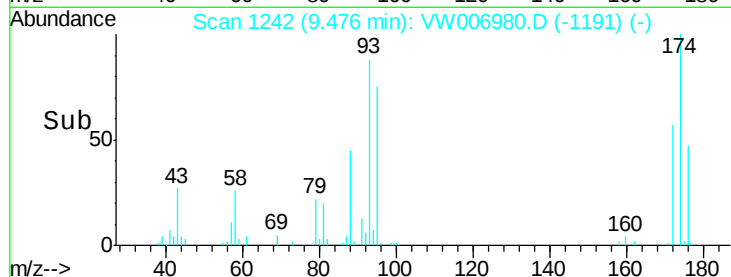
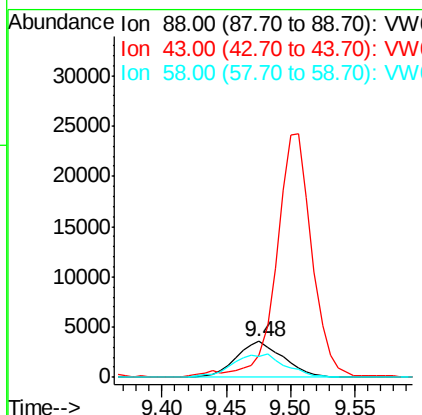
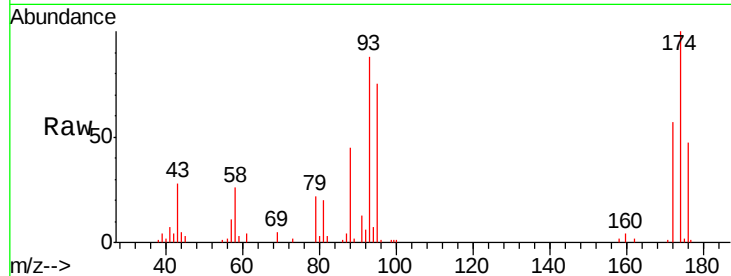
#49
1,4-Dioxane
Concen: 1004.67 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.7	59.0	88.6

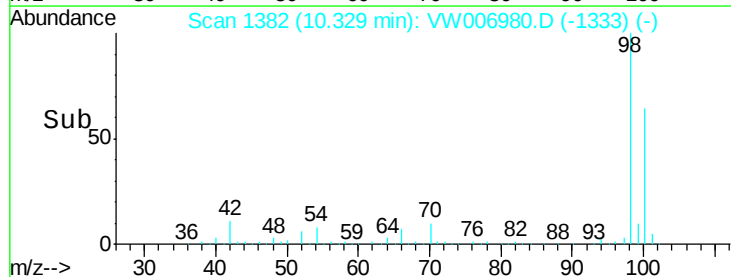
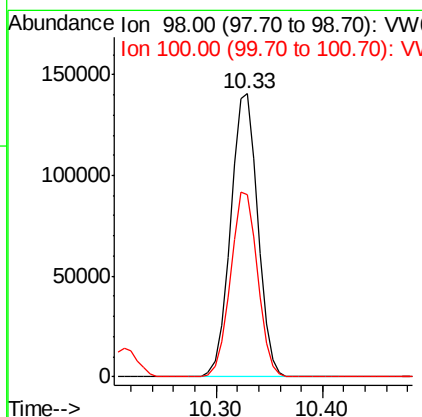
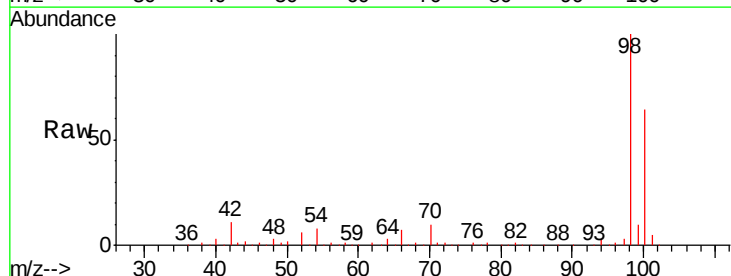
Manual Integrations
APPROVED

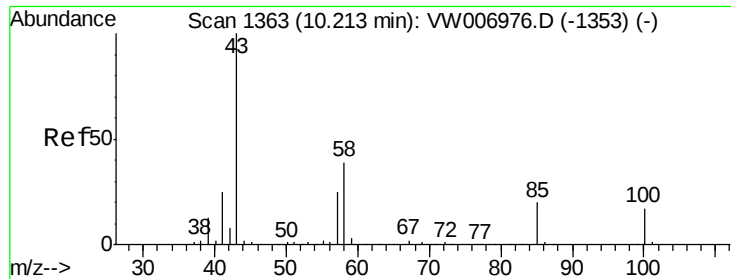
MMDadoda
11/21/2018 11:32:36 AM



#50
Toluene-d8
Concen: 54.08 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.2	78.2





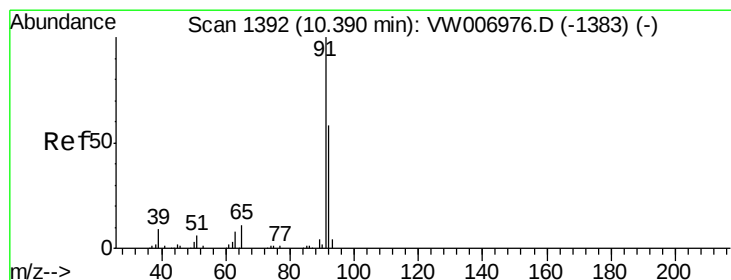
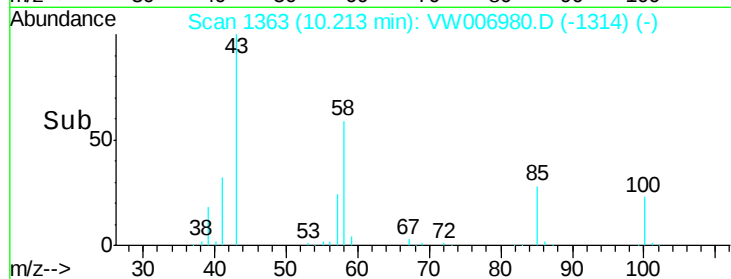
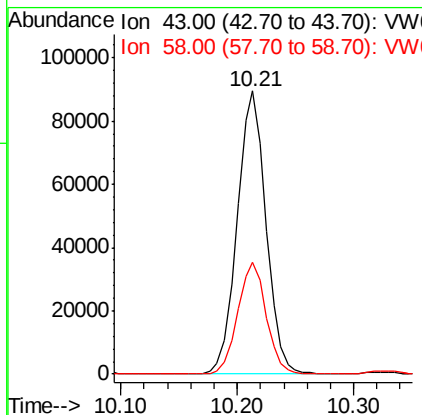
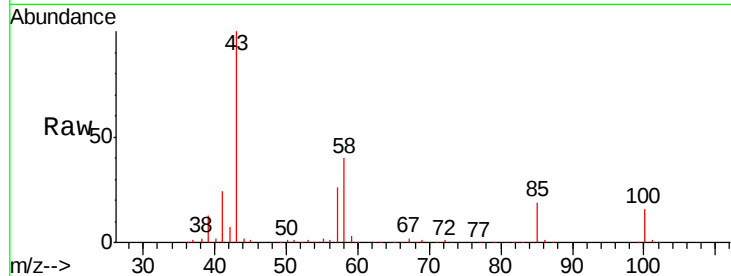
#51
 4-Methyl-2-Pentanone
 Concen: 241.91 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW112118

Tgt Ion: 43 Resp: 154034
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.8 47.6

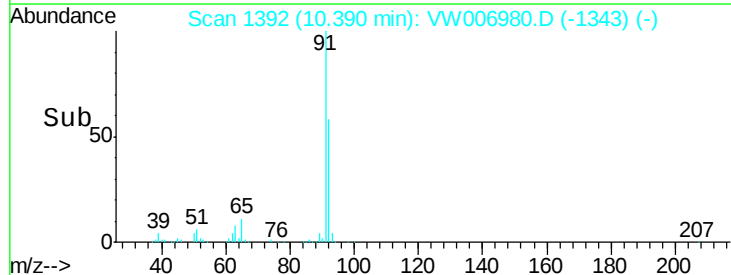
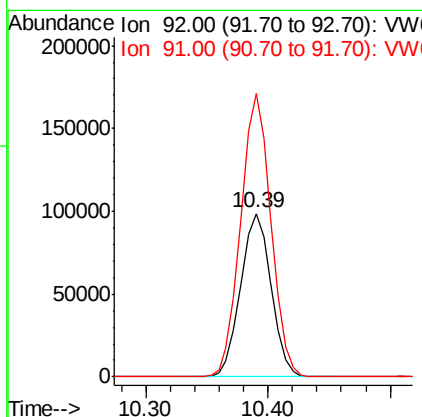
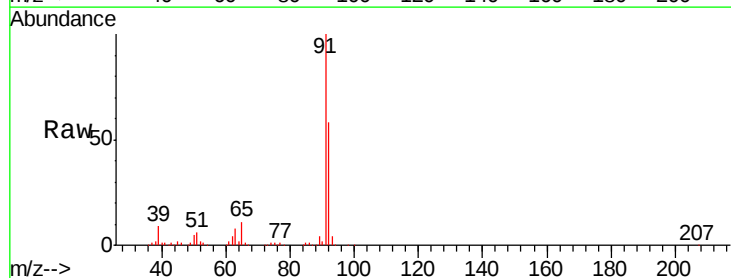
Manual Integrations
 APPROVED

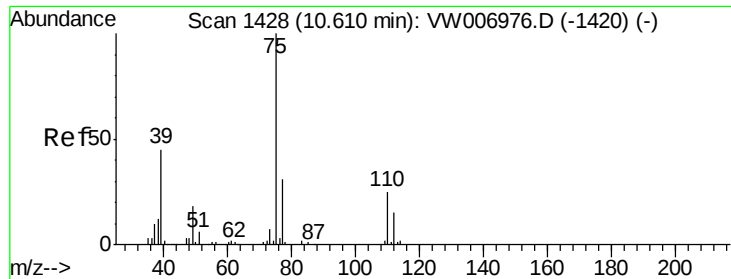
MMDadoda
 11/21/2018 11:32:36 AM



#52
 Toluene
 Concen: 50.98 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion: 92 Resp: 170889
 Ion Ratio Lower Upper
 92 100
 91 171.7 137.3 205.9





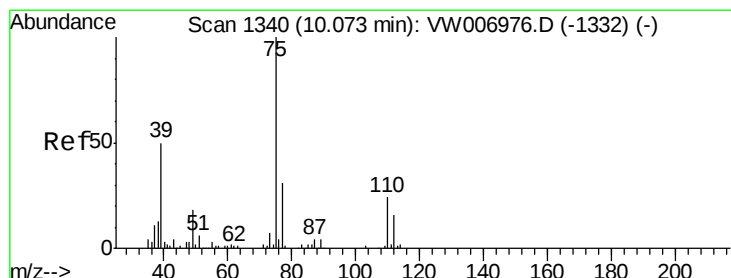
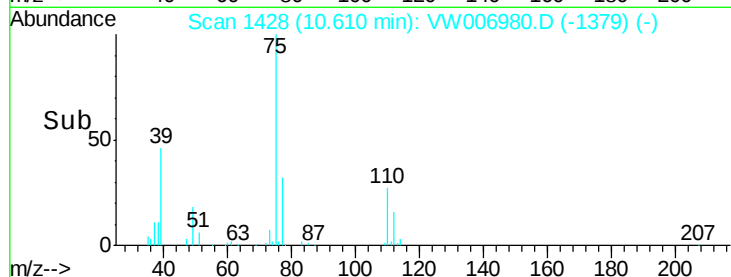
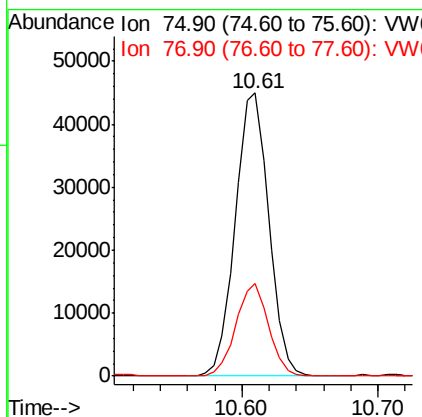
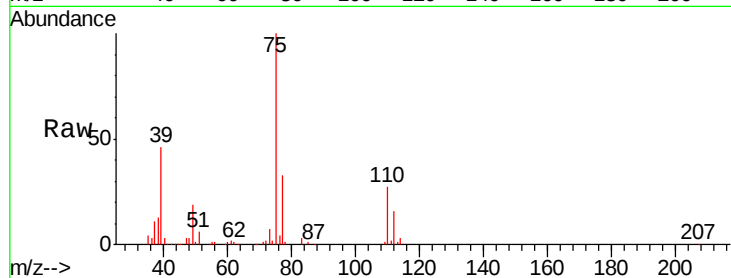
#53
t-1,3-Dichloropropene
Concen: 49.88 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVWV112118

Tgt Ion: 75 Resp: 77399
Ion Ratio Lower Upper
75 100
77 32.5 24.7 37.1

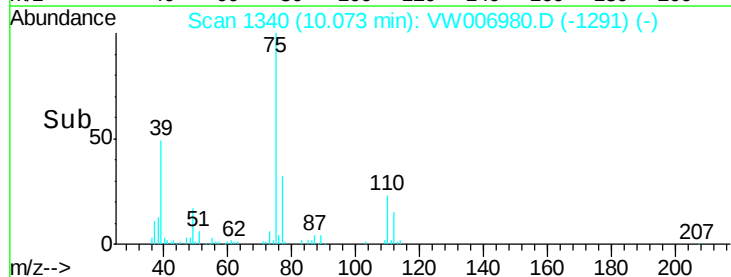
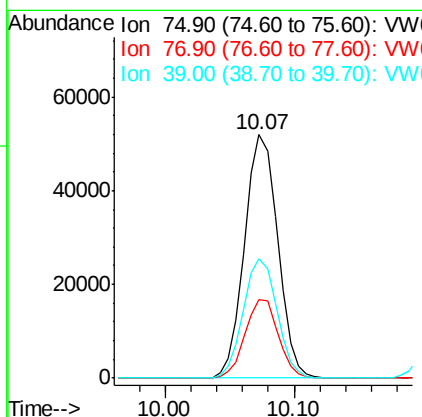
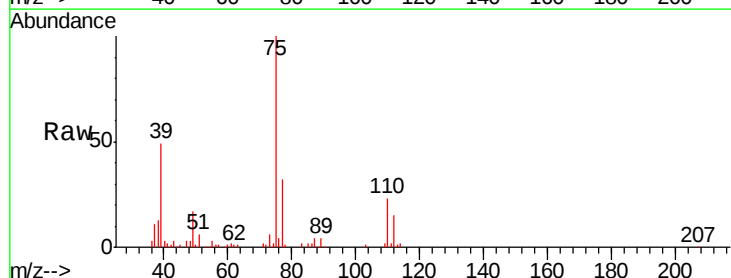
Manual Integrations
APPROVED

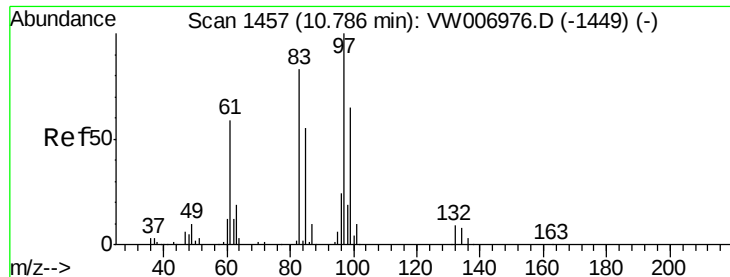
MMDadoda
11/21/2018 11:32:36 AM



#54
cis-1,3-Dichloropropene
Concen: 49.46 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion: 75 Resp: 92727
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.6
39 49.3 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 46.76 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

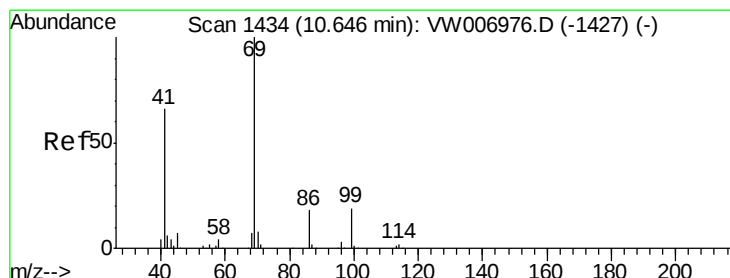
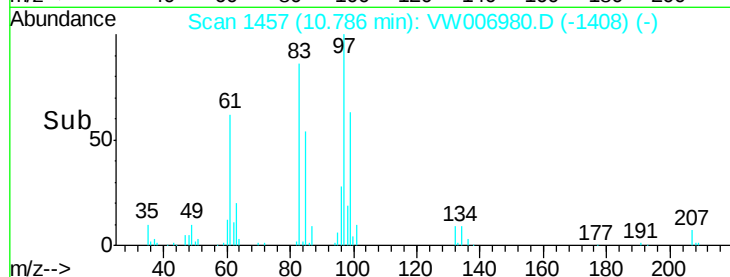
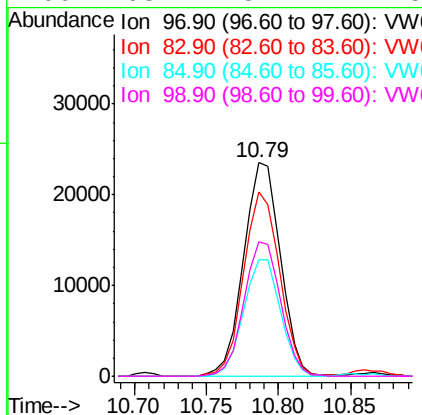
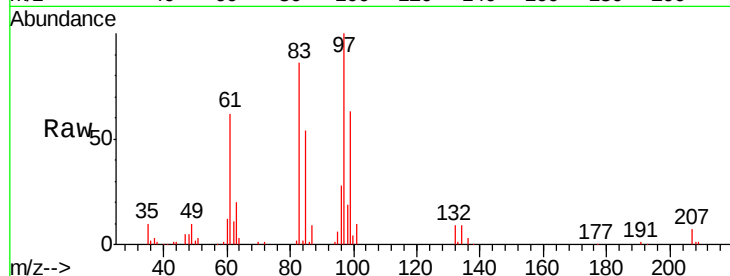
ClientSampleId :

ICVW112118

Tgt Ion:	97	Resp:	41828
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.4	99.6
85	54.3	44.1	66.1
99	63.1	51.7	77.5

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



#56

Ethyl methacrylate

Concen: 51.31 ug/l

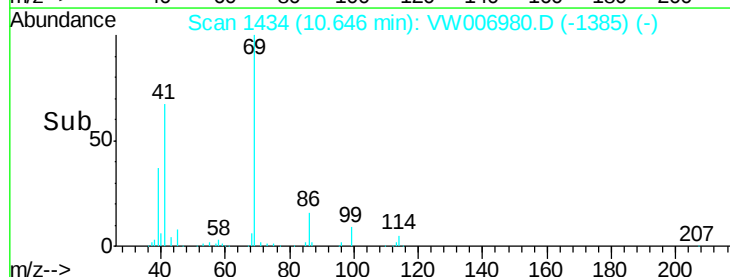
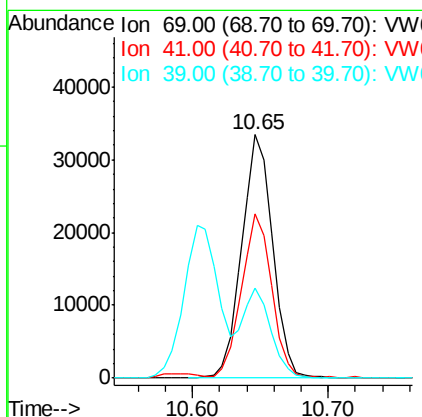
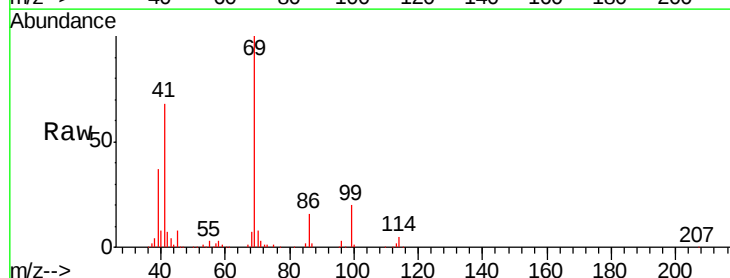
RT: 10.65 min Scan# 1434

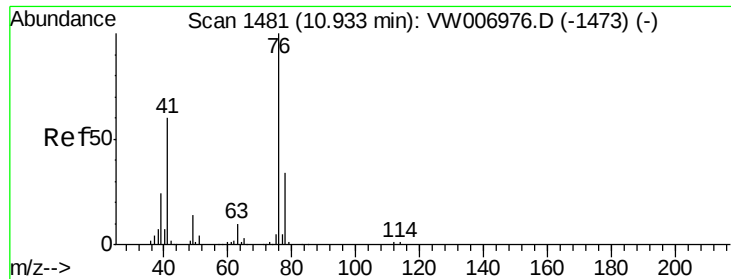
Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Tgt Ion:	69	Resp:	53280
Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.4	80.0
39	34.8	28.2	42.4





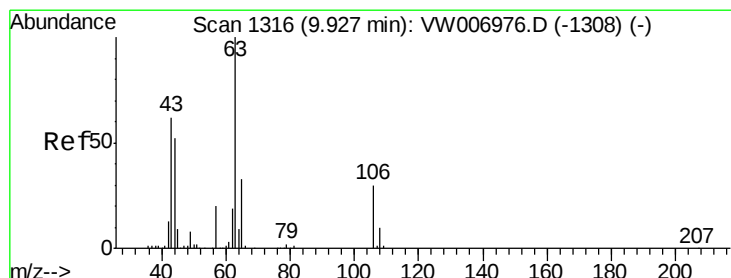
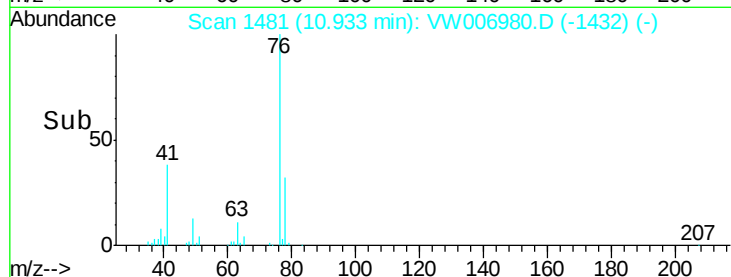
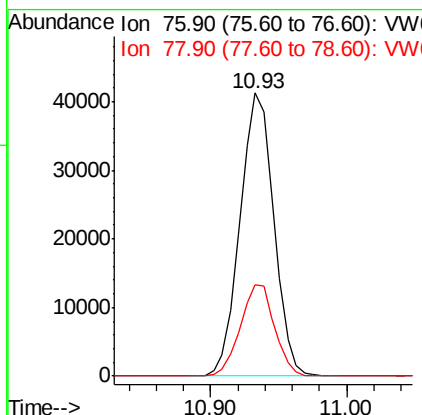
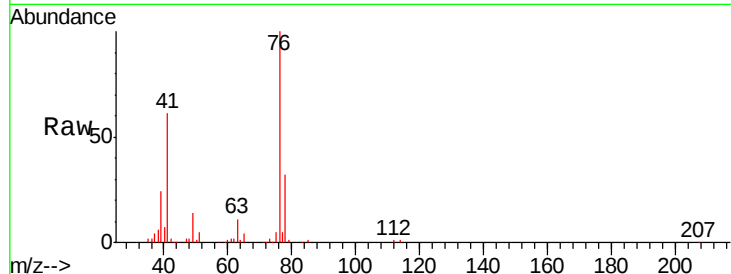
#57
 1,3-Dichloropropane
 Concen: 47.81 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVW112118

Tgt Ion: 76 Resp: 71670
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6

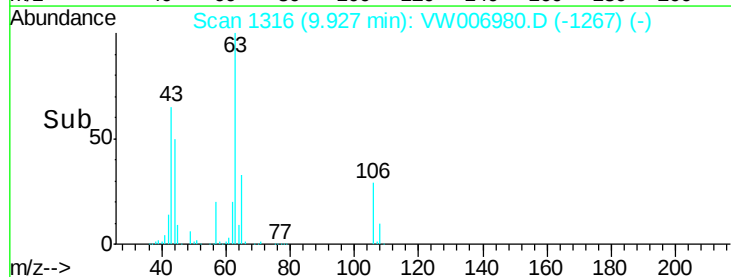
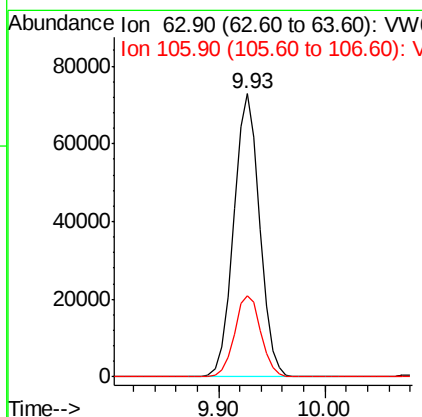
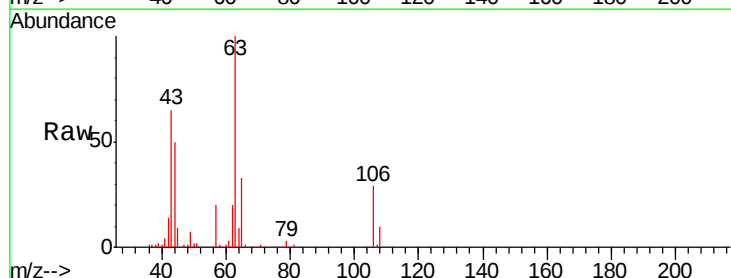
Manual Integrations
 APPROVED

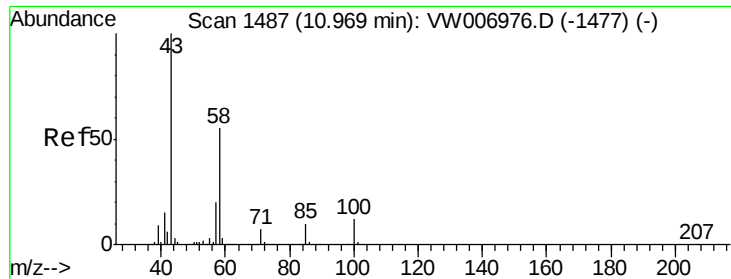
MMDadoda
 11/21/2018 11:32:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.97 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion: 63 Resp: 124240
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.5 35.3





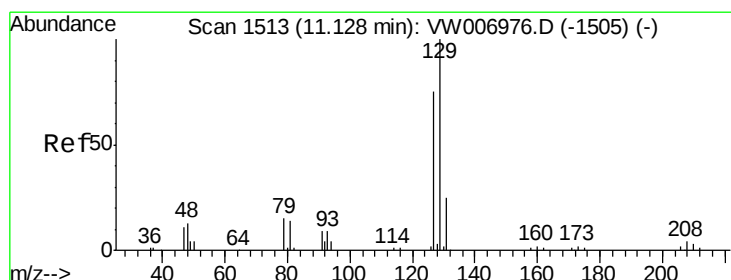
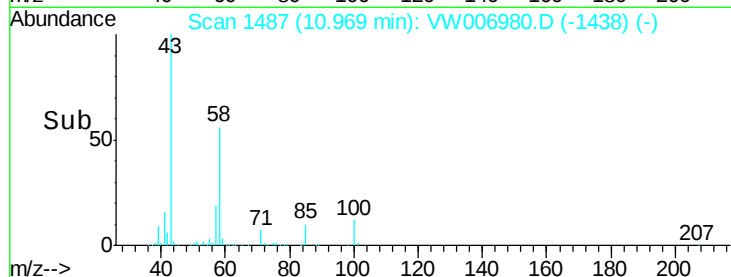
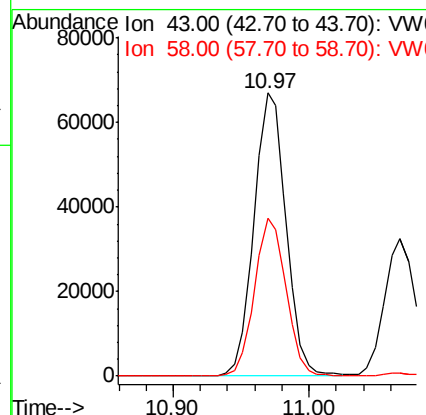
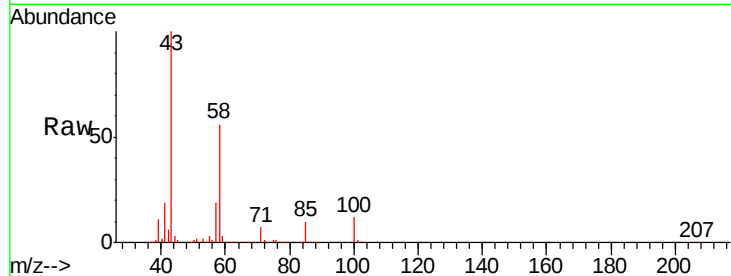
#59
2-Hexanone
Concen: 254.12 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion: 43 Resp: 110808
Ion Ratio Lower Upper
43 100
58 55.1 27.3 81.8

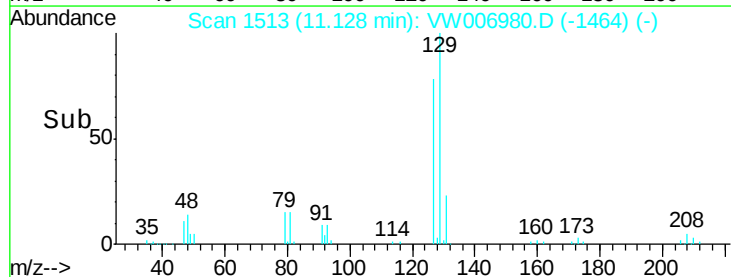
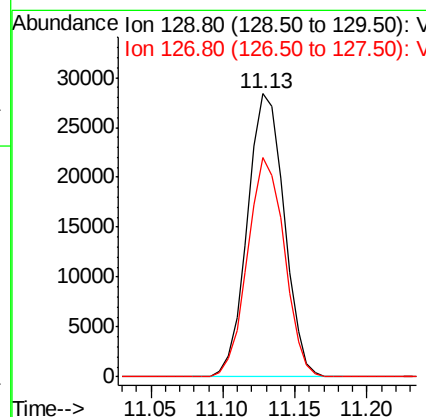
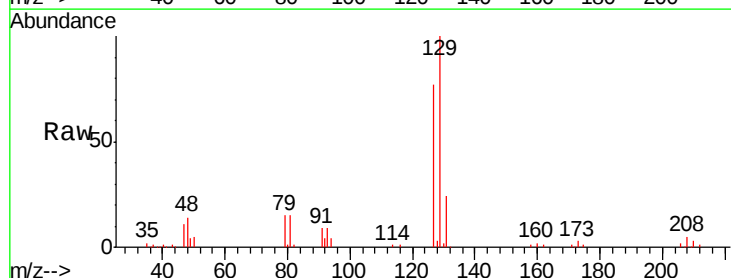
Manual Integrations
APPROVED

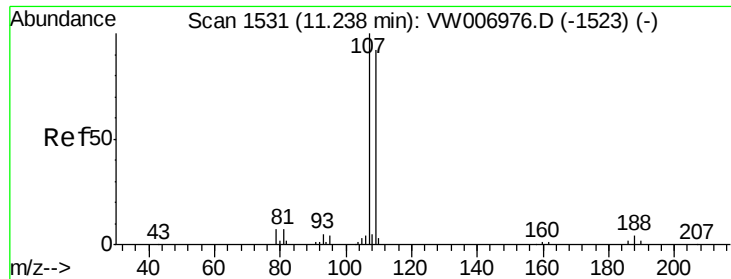
MMDadoda
11/21/2018 11:32:36 AM



#60
Dibromochloromethane
Concen: 49.24 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion: 129 Resp: 50191
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





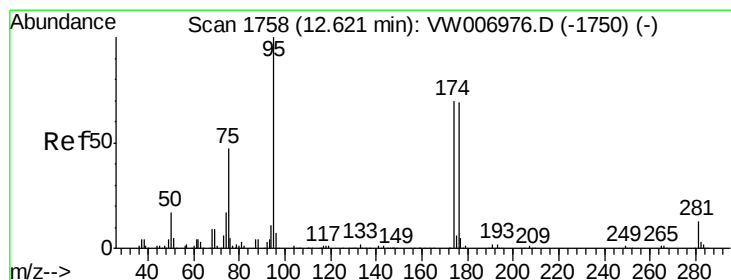
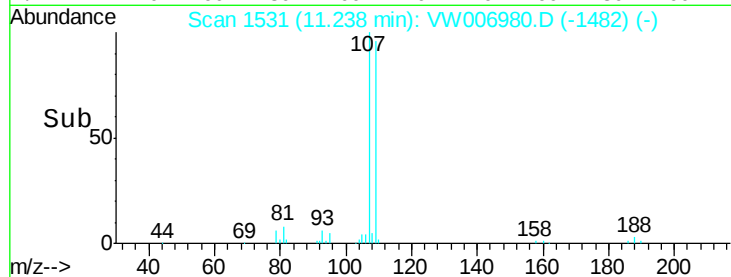
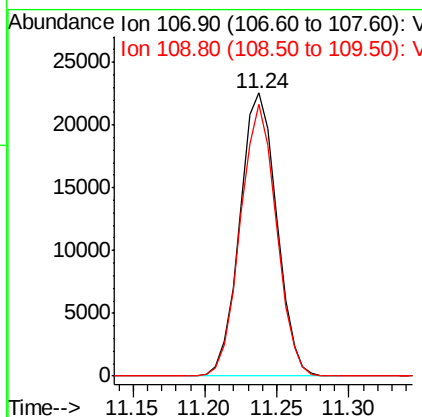
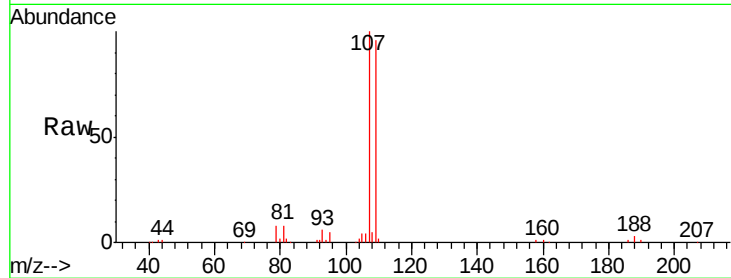
#61
 1,2-Dibromoethane
 Concen: 48.84 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW112118

Tgt Ion: 107 Resp: 39964
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.1 112.7

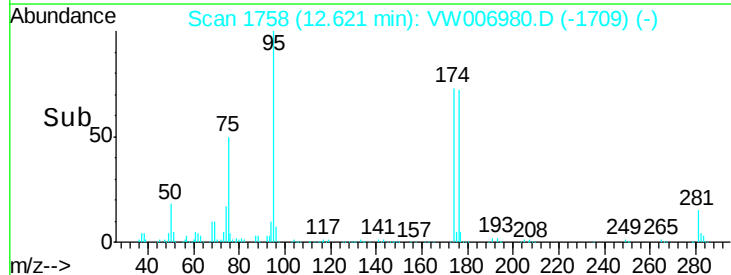
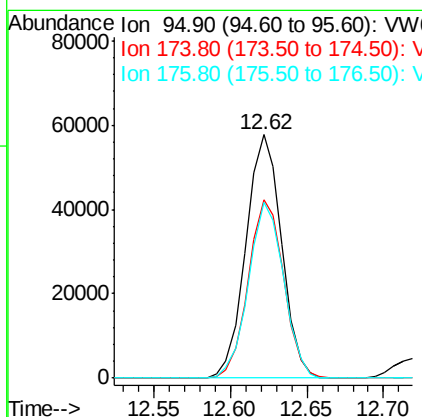
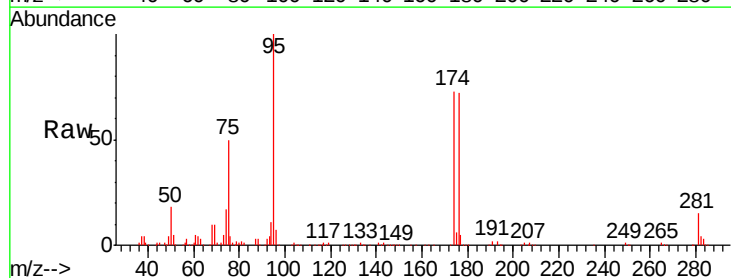
Manual Integrations
 APPROVED

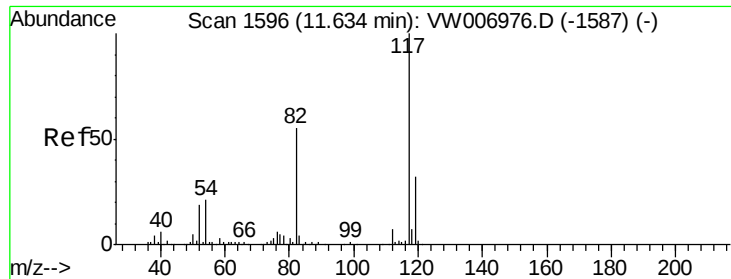
MMDadoda
 11/21/2018 11:32:36 AM



#62
 4-Bromofluorobenzene
 Concen: 51.01 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion: 95 Resp: 93473
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 143.6
 176 71.3 0.0 140.4





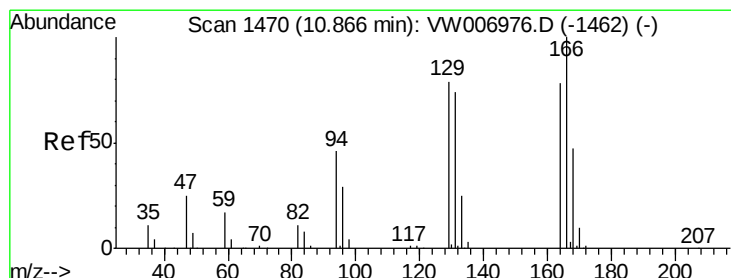
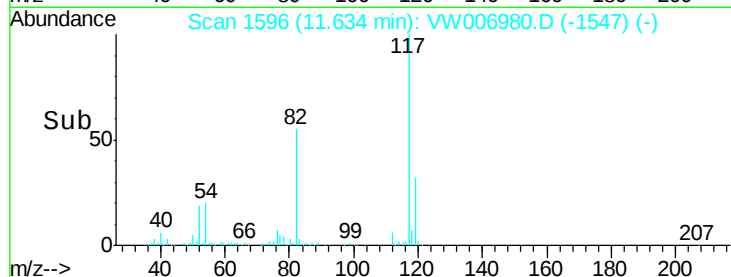
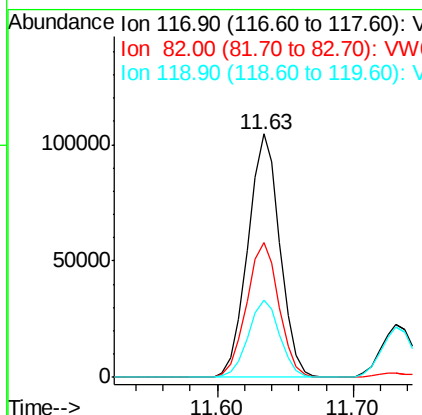
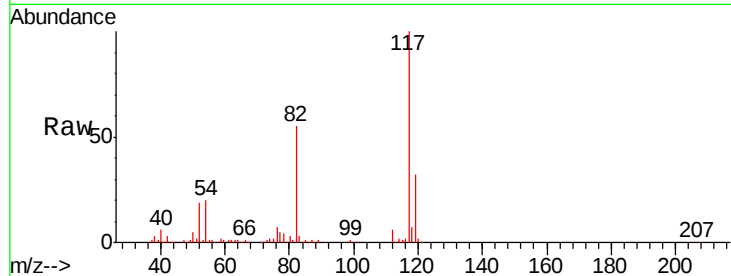
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	172306		
82	55.5	44.2	66.2	
119	31.5	25.9	38.9	

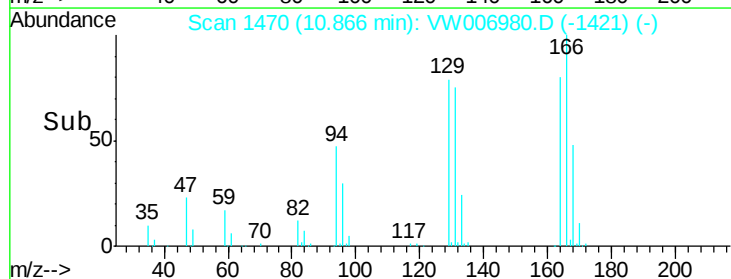
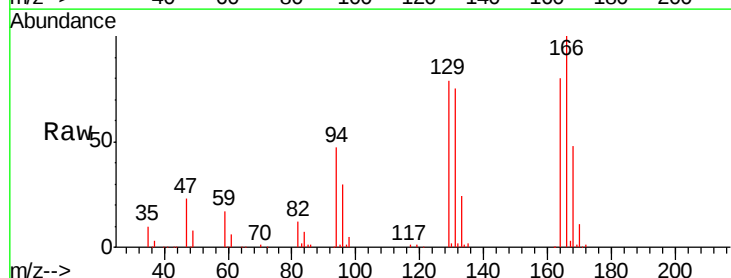
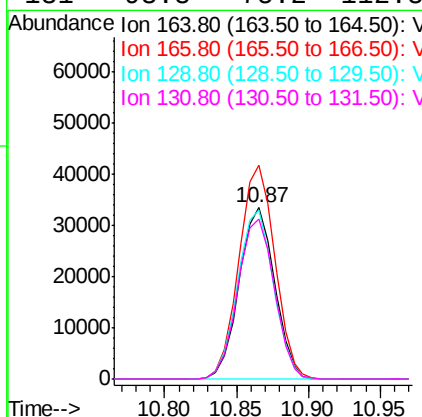
Manual Integrations
APPROVED

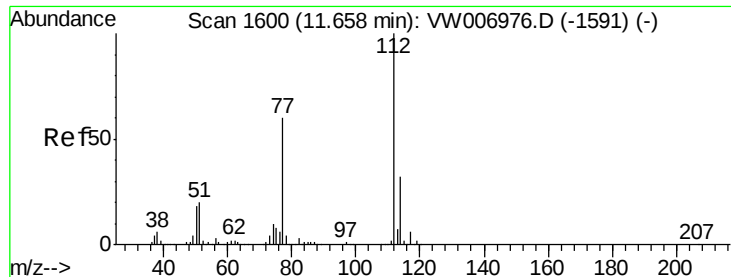
MMDadoda
11/21/2018 11:32:36 AM



#64
Tetrachloroethene
Concen: 51.94 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	57580		
166	124.9	102.1	153.1	
129	98.7	80.4	120.6	
131	93.8	75.2	112.8	





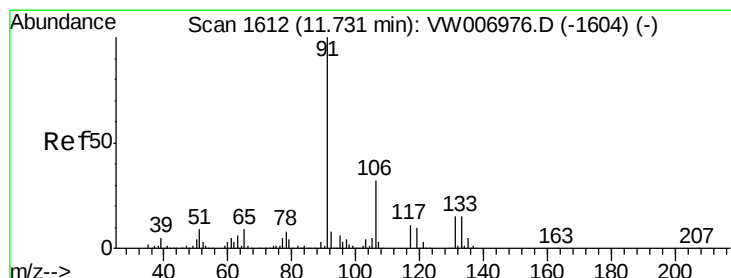
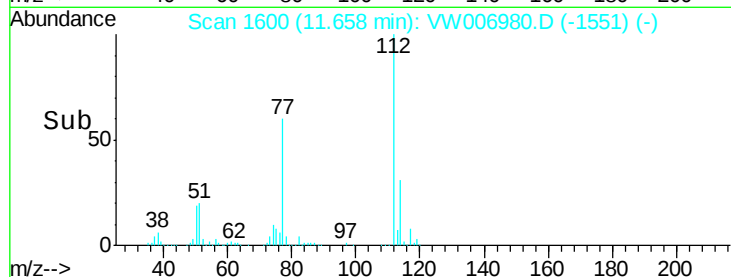
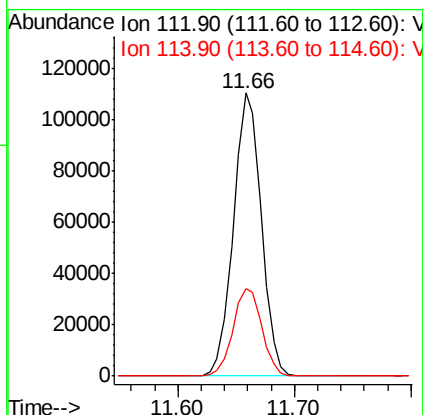
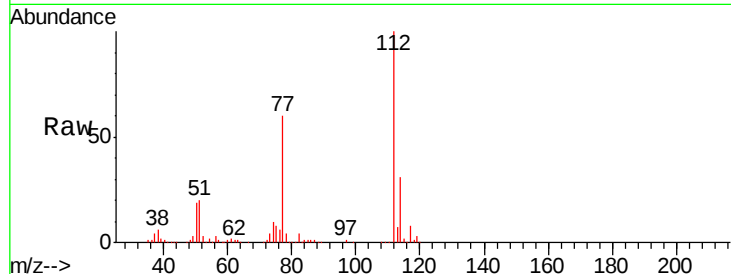
#65
Chlorobenzene
Concen: 51.34 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion:112 Resp: 184626
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8

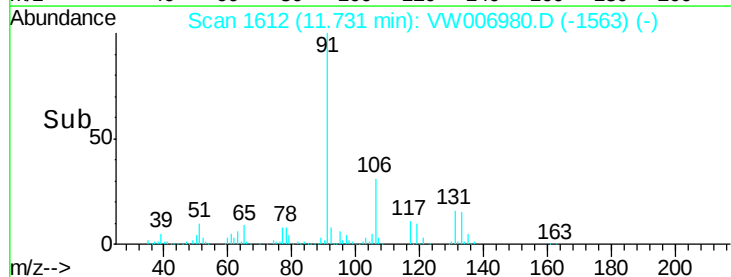
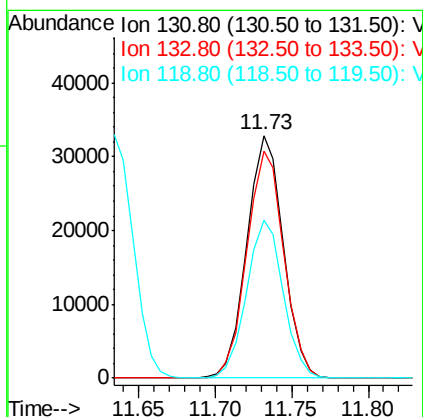
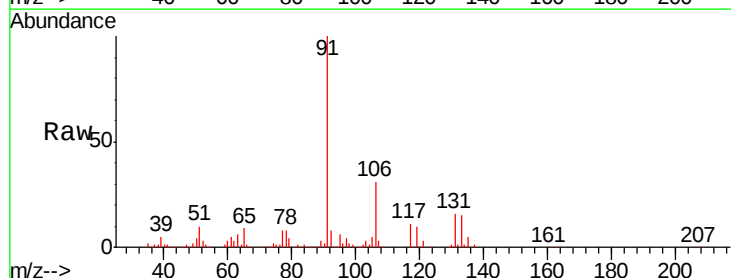
Manual Integrations
APPROVED

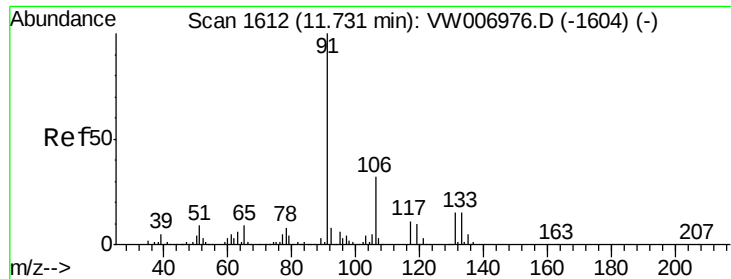
MMDadoda
11/21/2018 11:32:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.12 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion:131 Resp: 54530
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 65.3 31.8 95.3





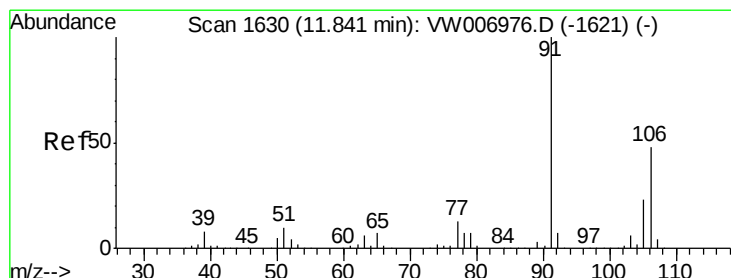
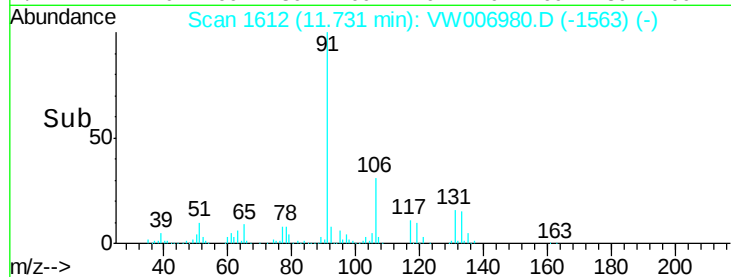
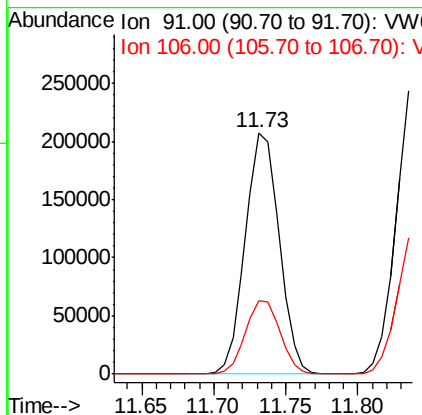
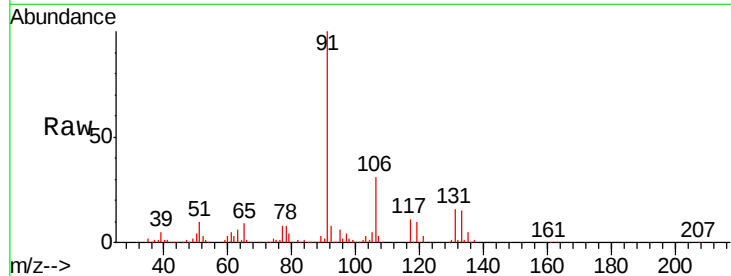
#67
Ethyl Benzene
Concen: 51.33 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampled :
ICVW112118

Tgt Ion: 91 Resp: 339137
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2

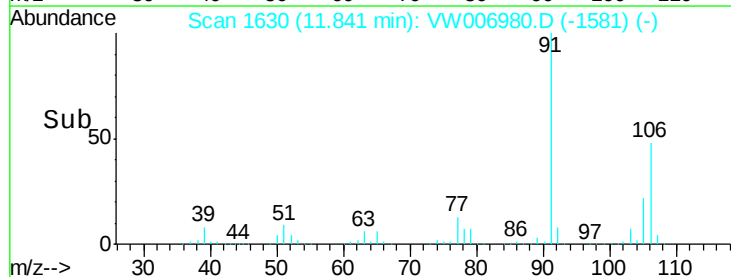
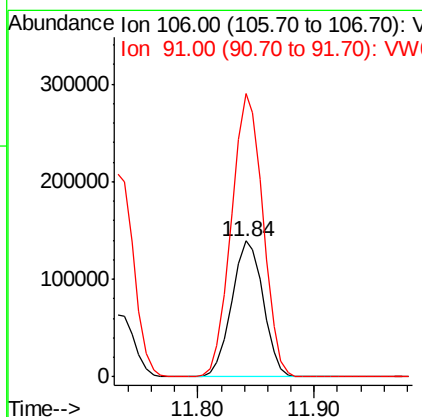
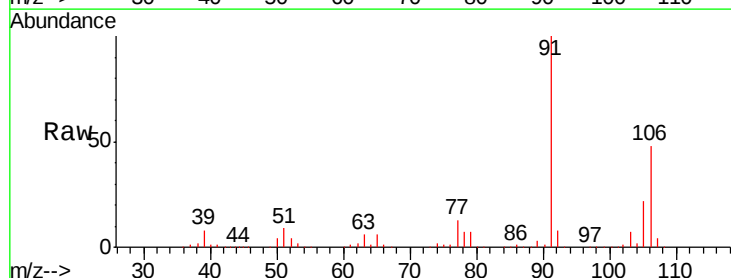
Manual Integrations
APPROVED

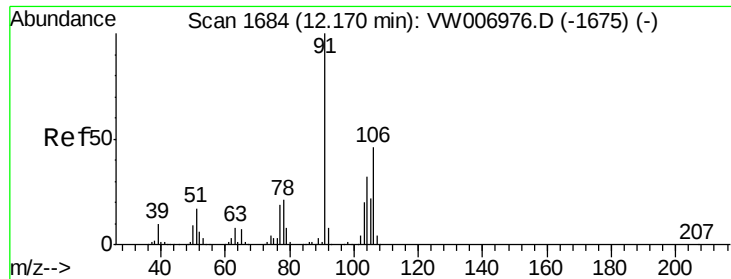
MMDadoda
11/21/2018 11:32:36 AM



#68
m/p-Xylenes
Concen: 101.49 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion: 106 Resp: 263050
Ion Ratio Lower Upper
106 100
91 208.1 164.8 247.2





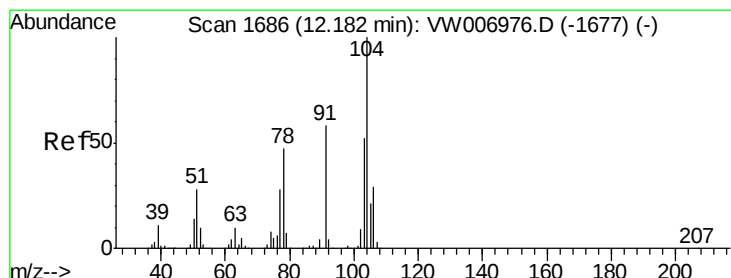
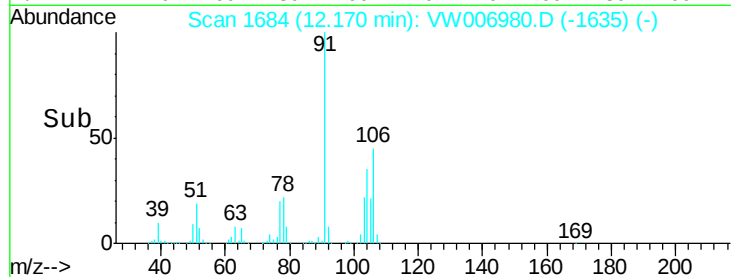
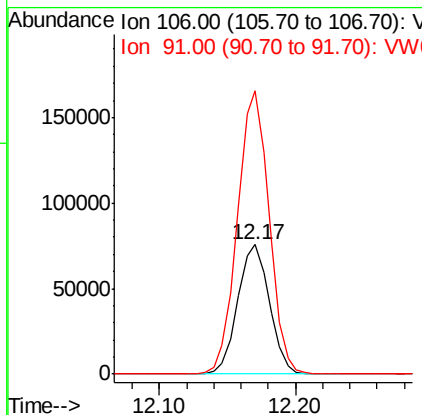
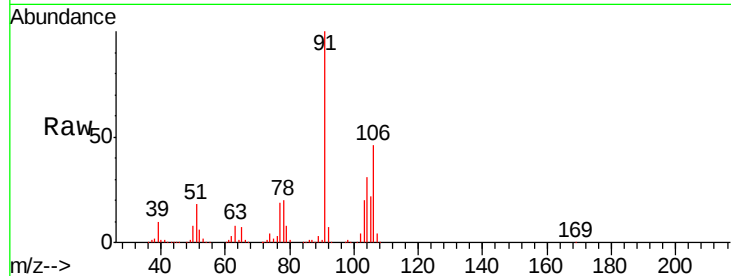
#69
o-Xylene
Concen: 50.33 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion:106 Resp: 123008
Ion Ratio Lower Upper
106 100
91 218.2 107.9 323.8

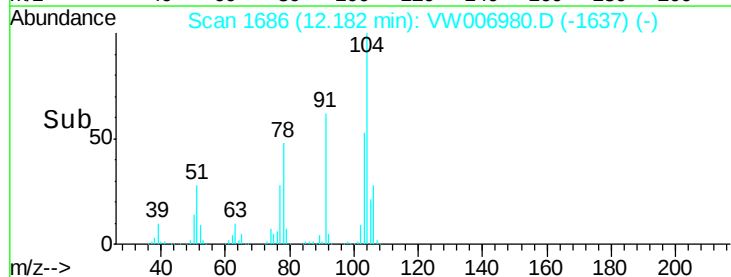
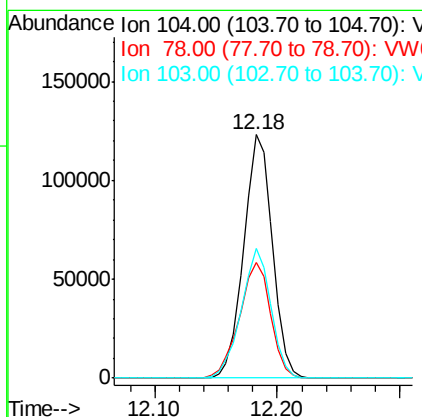
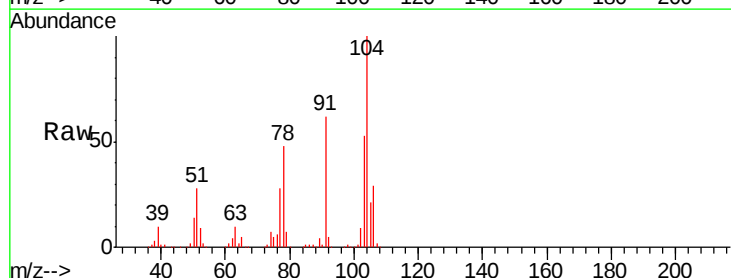
Manual Integrations
APPROVED

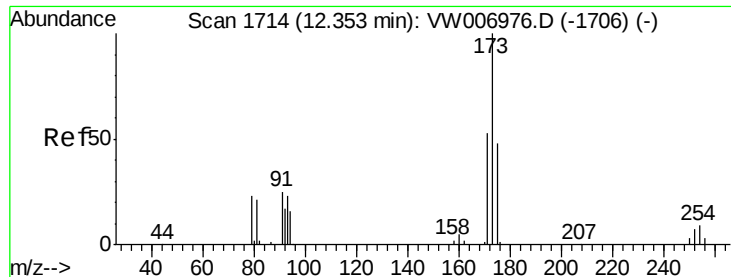
MMDadoda
11/21/2018 11:32:36 AM



#70
Styrene
Concen: 51.45 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion:104 Resp: 200120
Ion Ratio Lower Upper
104 100
78 51.9 41.8 62.8
103 55.2 44.4 66.6





#71

Bromoform

Concen: 50.77 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

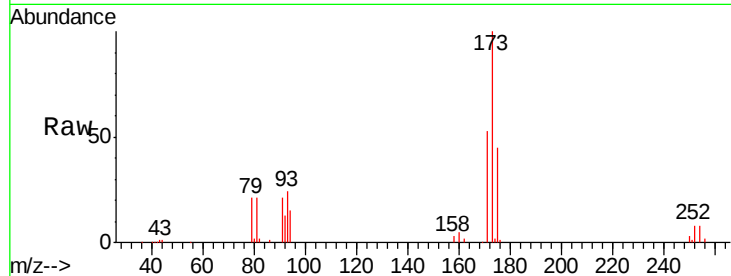
ClientSampleId :

ICVW112118

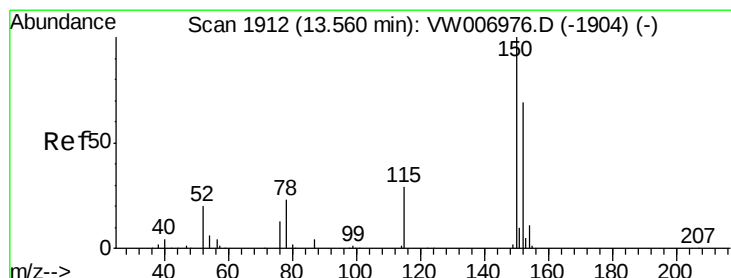
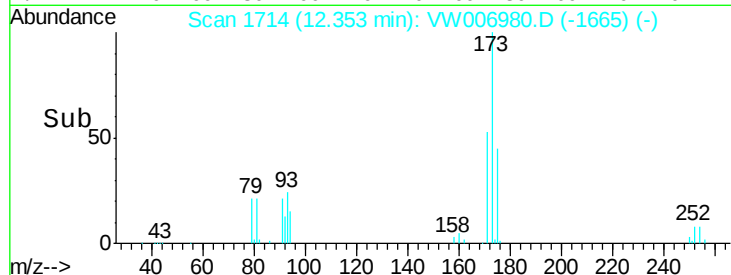
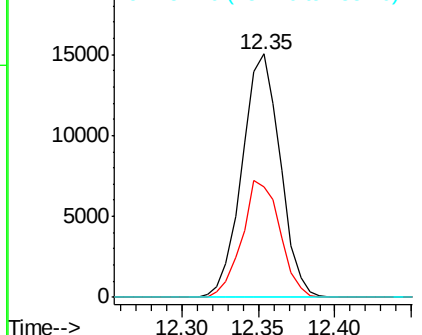
Tgt Ion:	173	Resp:	26017
Ion Ratio	Lower	Upper	
173	100		
175	47.7	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

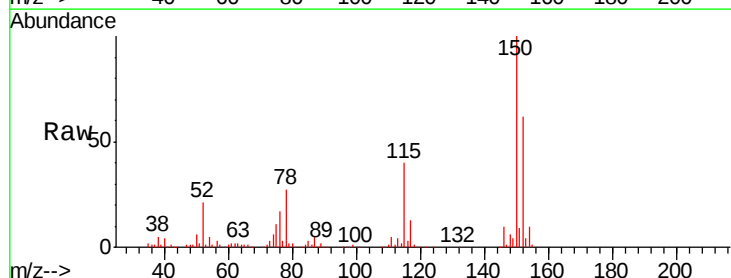
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

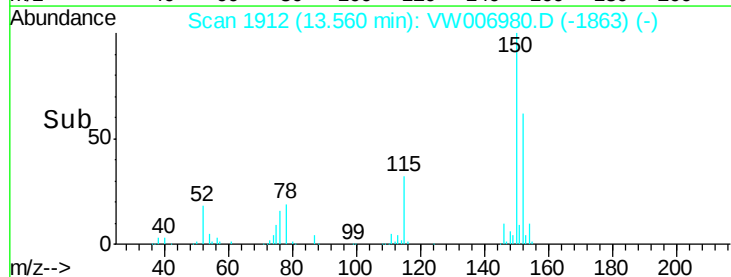
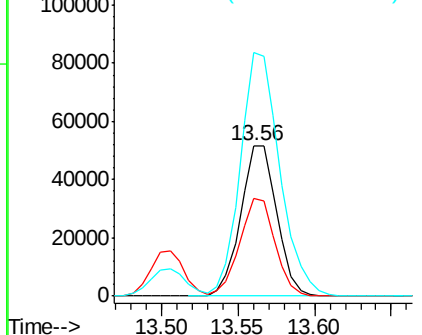
Lab File: VW006980.D

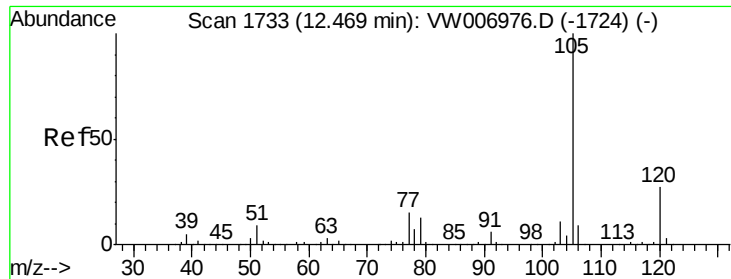
Acq: 20 Nov 2018 17:33

Tgt Ion:	152	Resp:	84626
Ion Ratio	Lower	Upper	
152	100		
115	63.6	31.4	94.2
150	177.2	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: 51.97 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 105 Resp: 341838

Ion Ratio Lower Upper

105 100

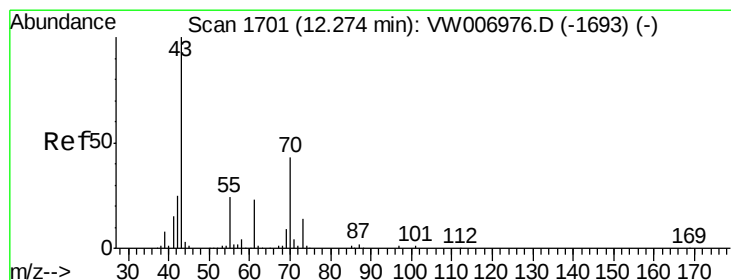
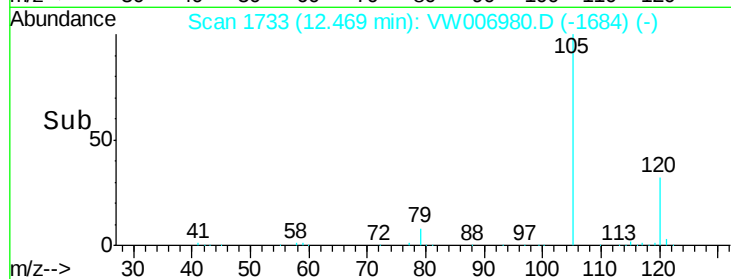
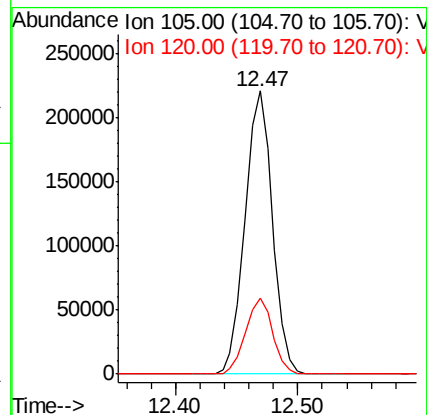
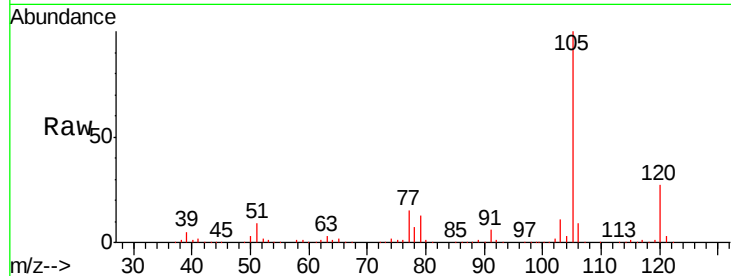
120 26.6 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:36 AM



#74

N-ethyl acetate

Concen: 53.44 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Tgt Ion: 43 Resp: 58903

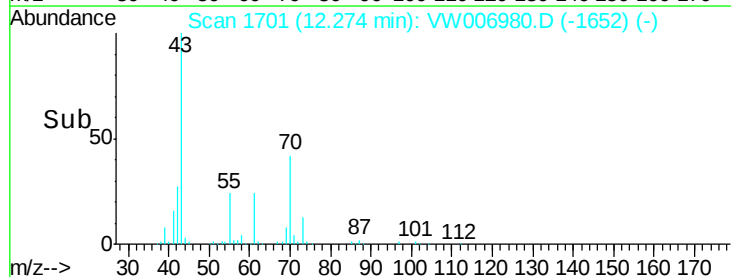
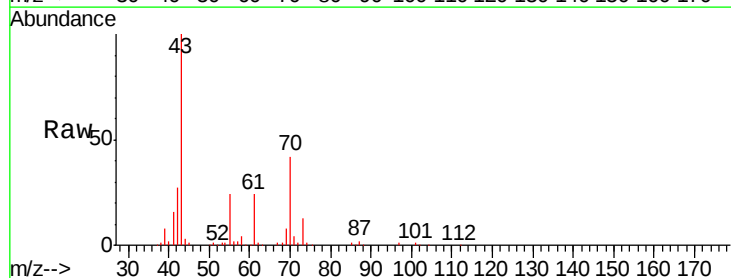
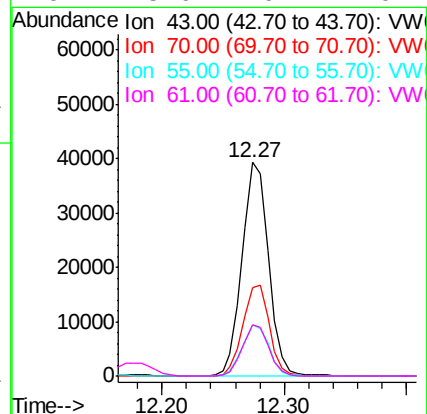
Ion Ratio Lower Upper

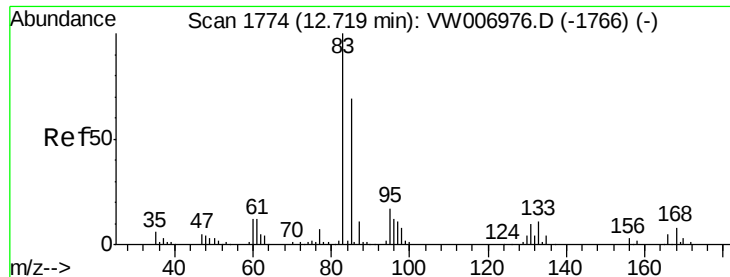
43 100

70 42.7 34.0 51.0

55 24.4 19.4 29.0

61 23.9 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 50.45 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 83 Resp: 44162

Ion Ratio Lower Upper

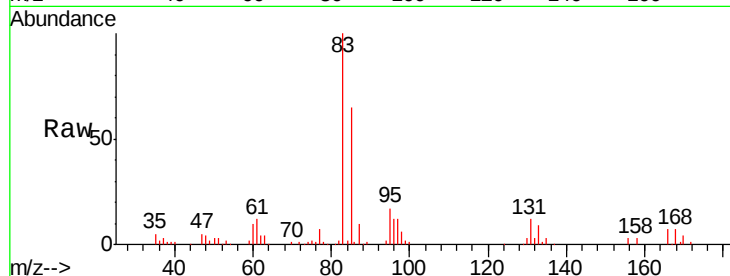
83 100

131 12.2 5.7 17.1

85 64.3 33.1 99.2

Manual Integrations
APPROVED

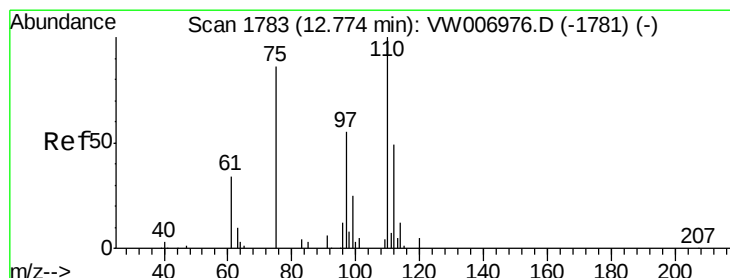
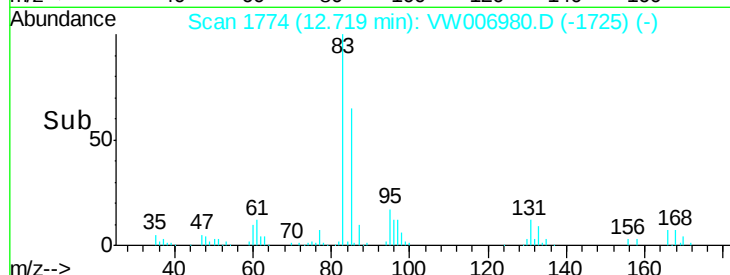
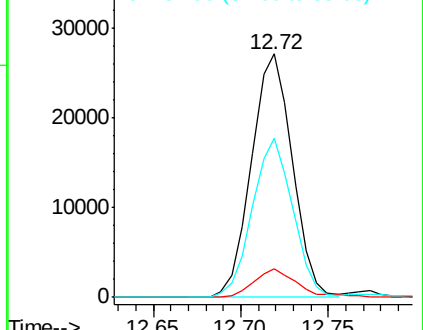
MMDadoda
11/21/2018 11:32:36 AM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 51.24 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006980.D

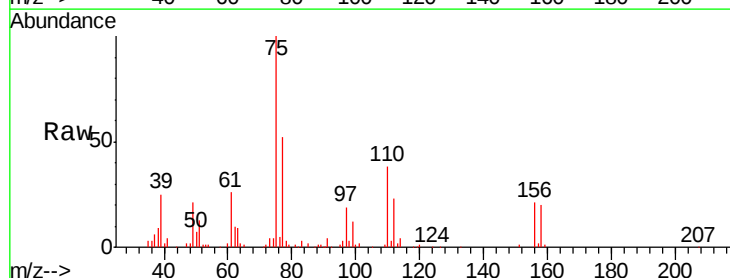
Acq: 20 Nov 2018 17:33

Tgt Ion: 75 Resp: 34071

Ion Ratio Lower Upper

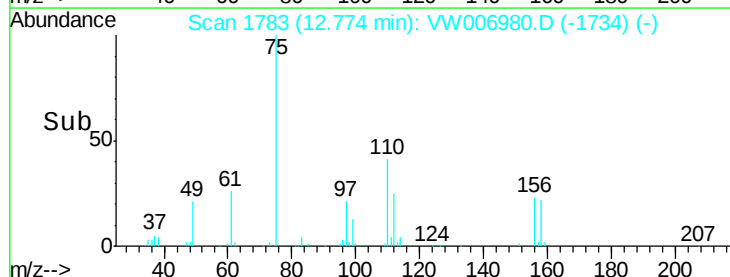
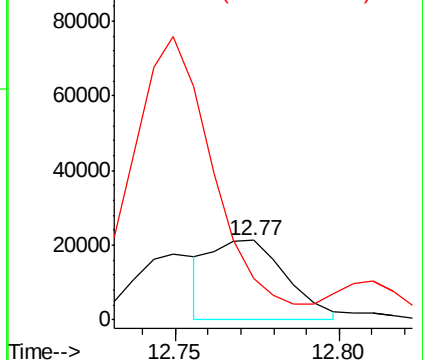
75 100

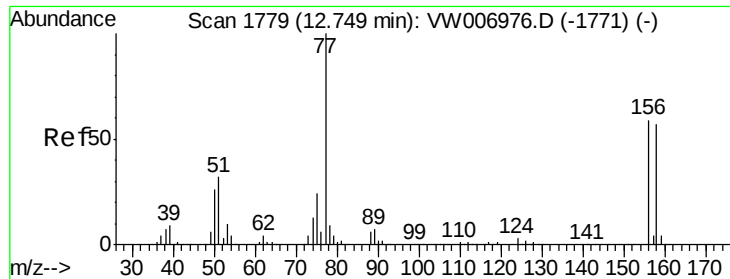
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.18 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

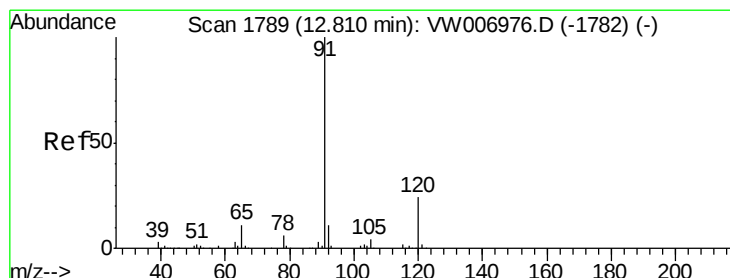
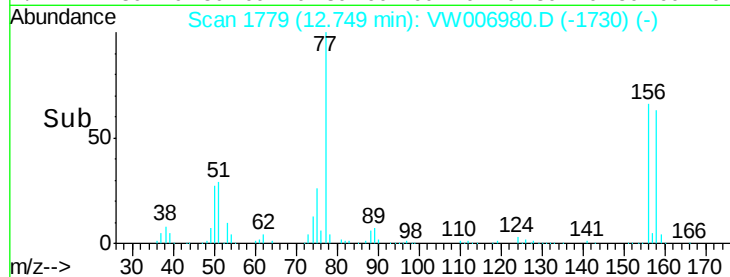
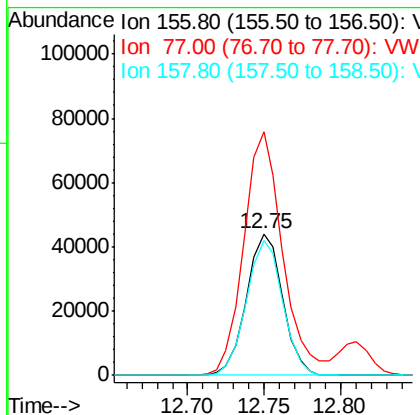
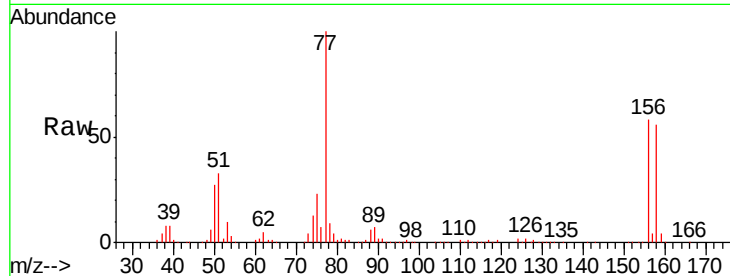
ClientSampleId :

ICVW112118

Tgt Ion	Ratio	Lower	Upper
156	100		
77	186.4	94.6	283.8
158	95.7	48.9	146.7

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



#78

n-propylbenzene

Concen: 51.78 ug/l

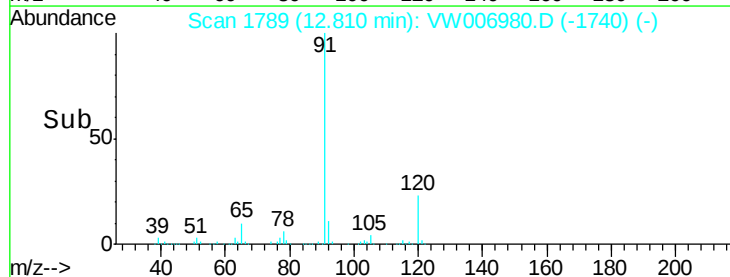
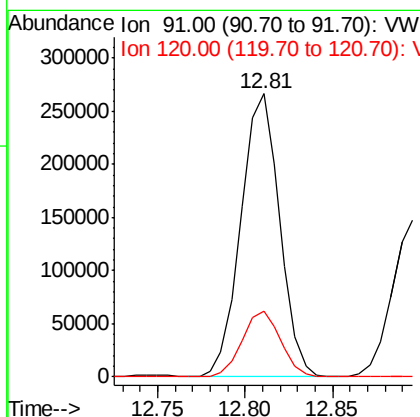
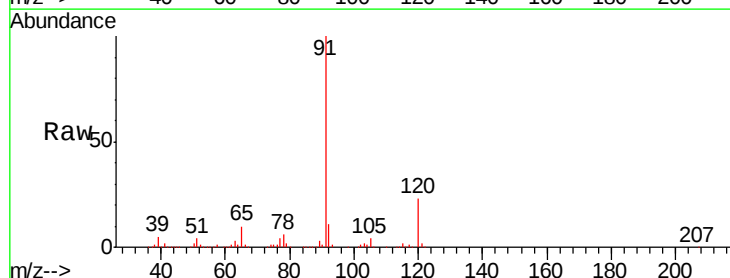
RT: 12.81 min Scan# 1789

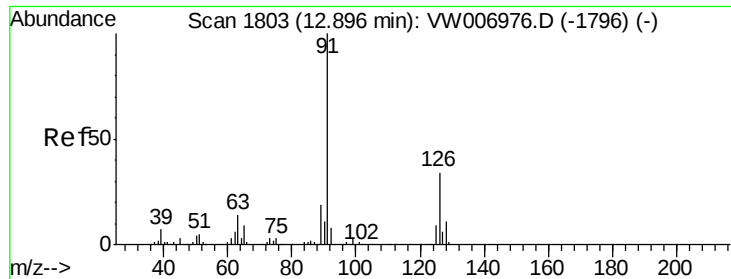
Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.7	35.1





#79

2-Chlorotoluene

Concen: 51.09 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW112118

Tgt Ion: 91 Resp: 234671

Ion Ratio Lower Upper

91 100

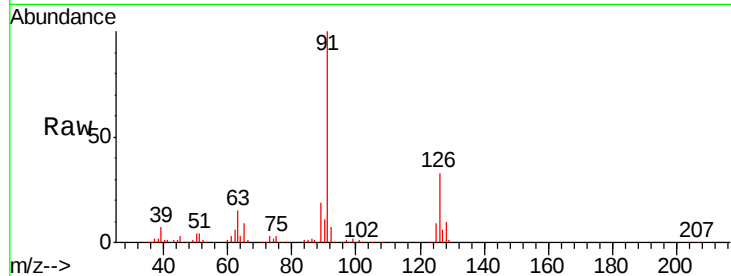
126 33.4 16.7 50.0

Manual Integrations

APPROVED

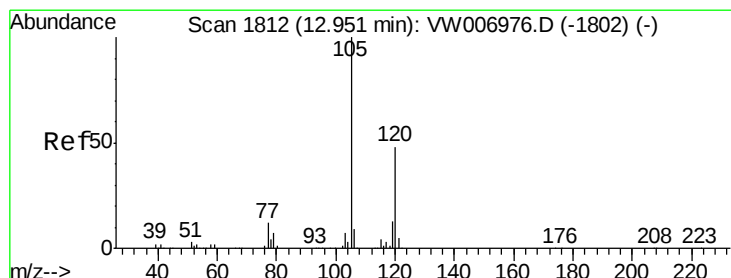
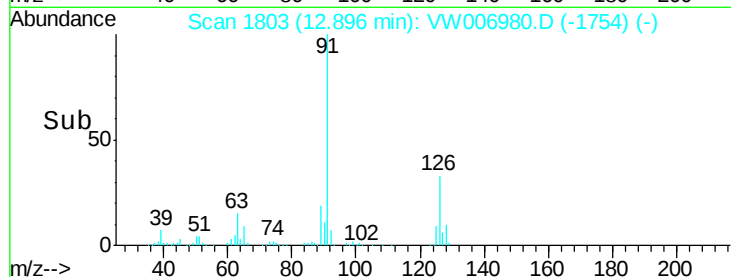
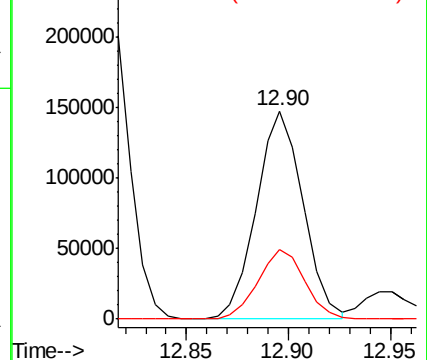
MMDadoda

11/21/2018 11:32:36 AM



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: 51.76 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006980.D

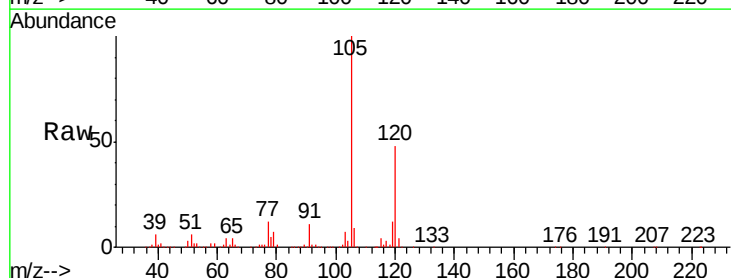
Acq: 20 Nov 2018 17:33

Tgt Ion: 105 Resp: 294370

Ion Ratio Lower Upper

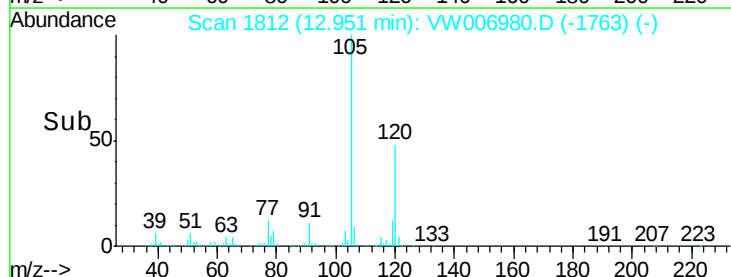
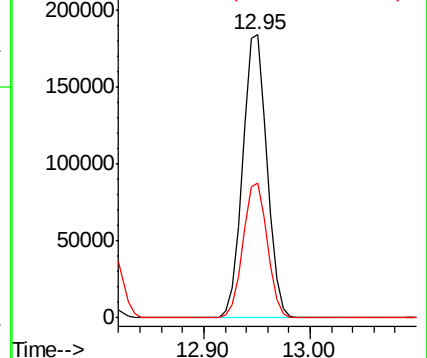
105 100

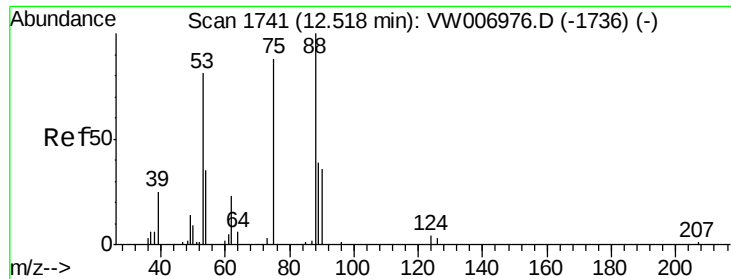
120 47.7 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





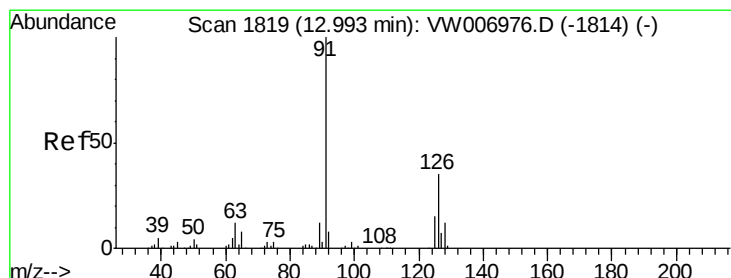
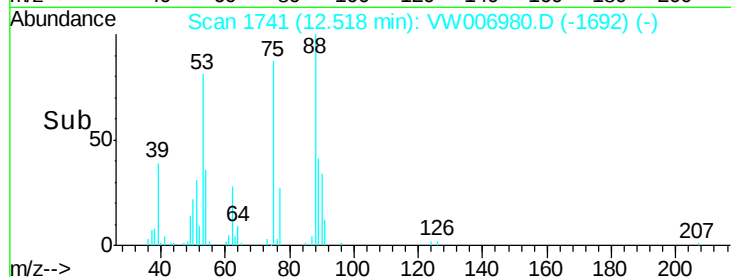
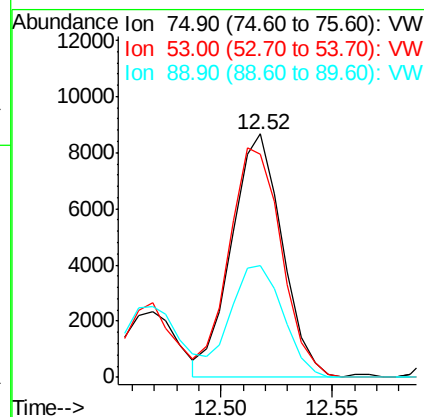
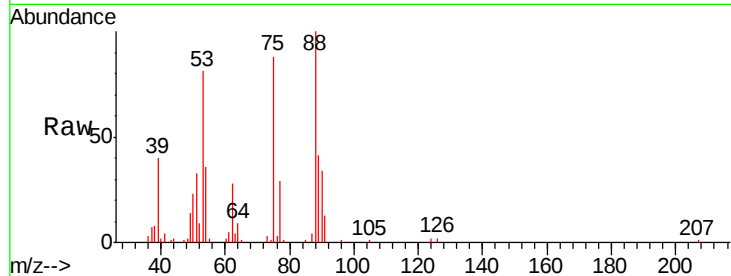
#81
trans-1,4-Dichloro-2-butene
Concen: 51.81 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.1	77.6	116.4
89	46.8	39.3	58.9

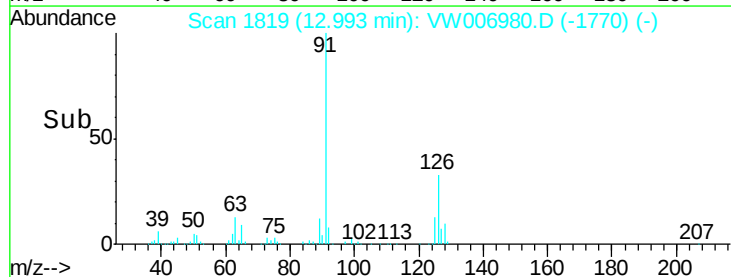
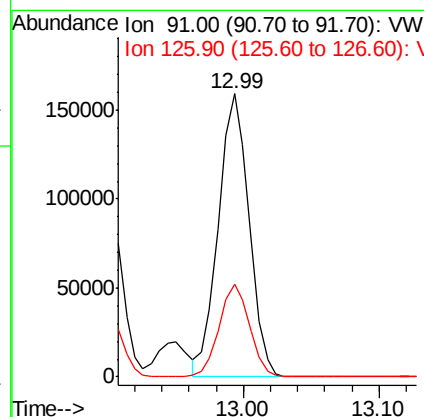
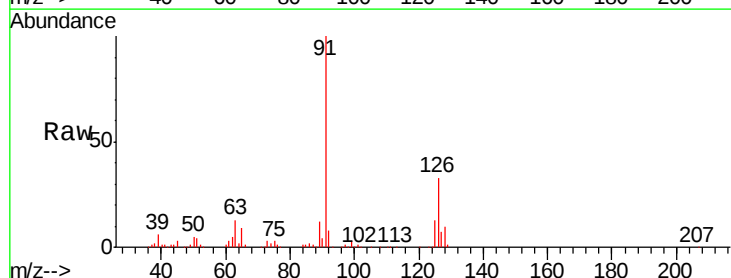
Manual Integrations
APPROVED

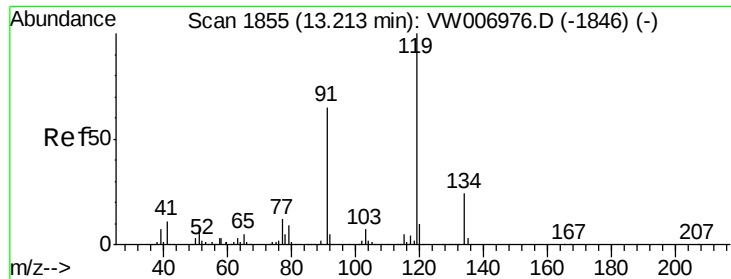
MMDadoda
11/21/2018 11:32:36 AM



#82
4-Chlorotoluene
Concen: 51.55 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.7





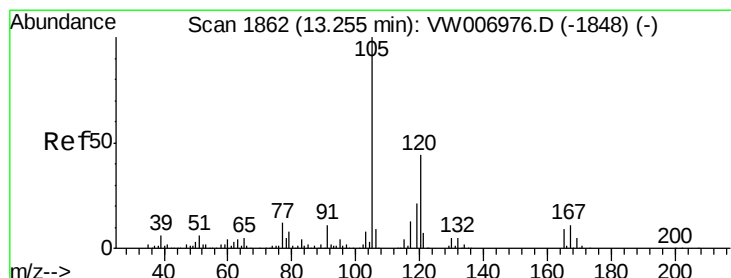
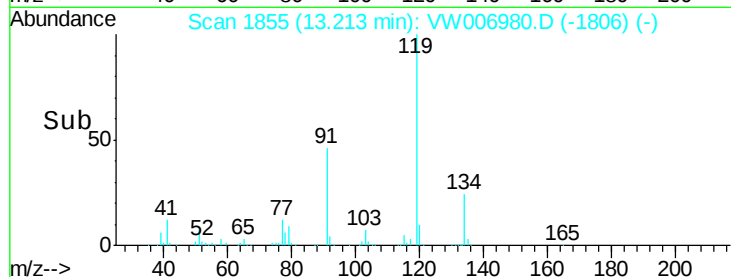
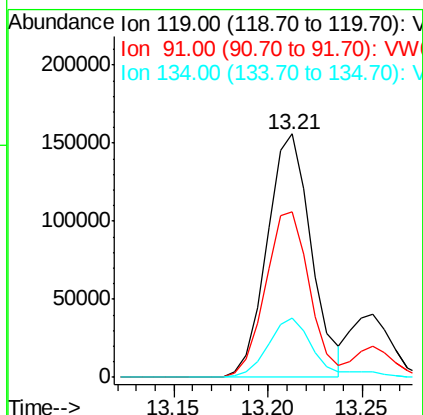
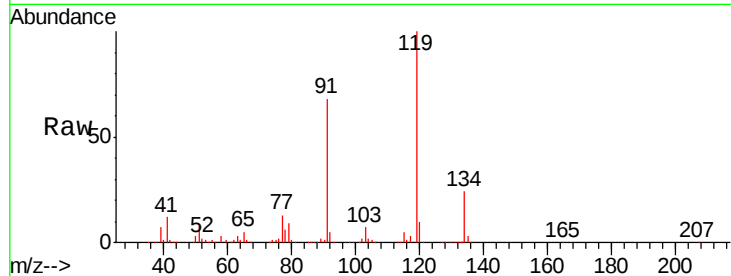
#83
 tert-Butylbenzene
 Concen: 51.47 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW112118

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.5	100.5
134	25.5	12.6	37.8

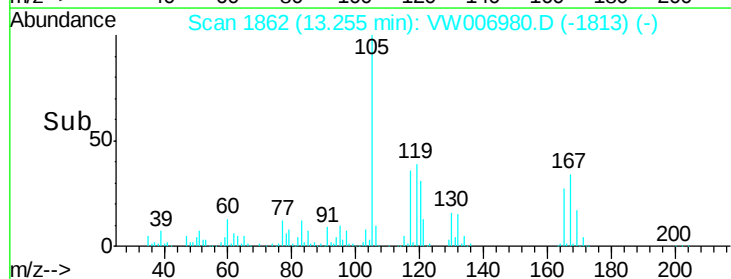
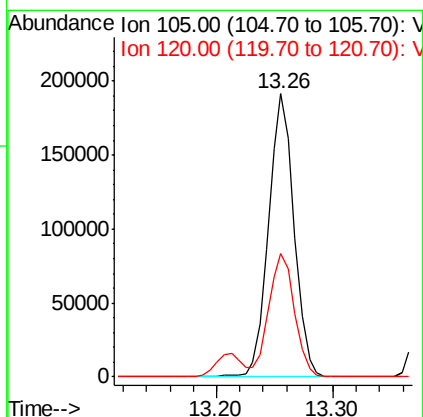
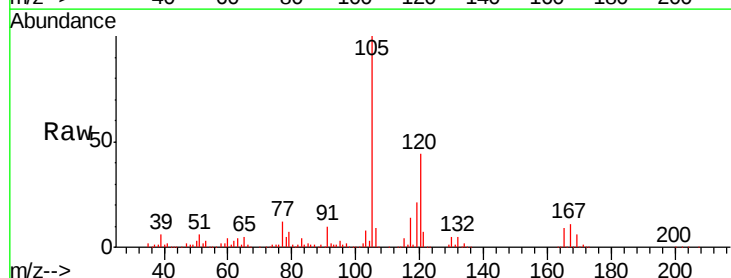
Manual Integrations
 APPROVED

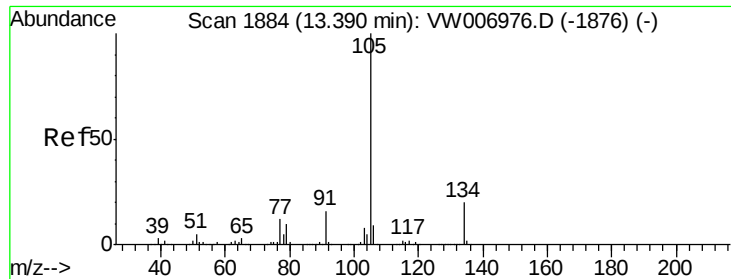
MMDadoda
 11/21/2018 11:32:36 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.42 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.3





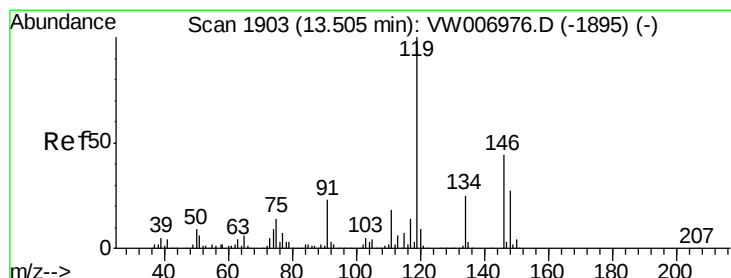
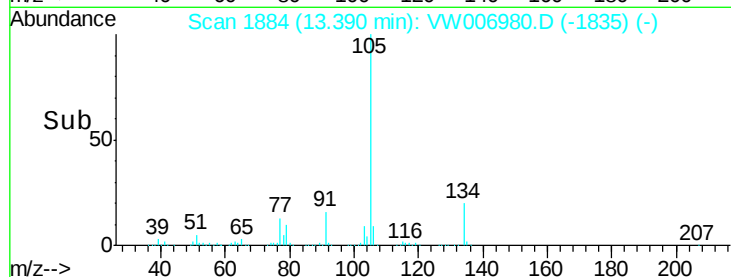
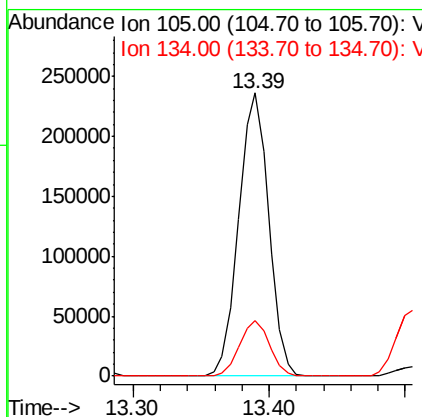
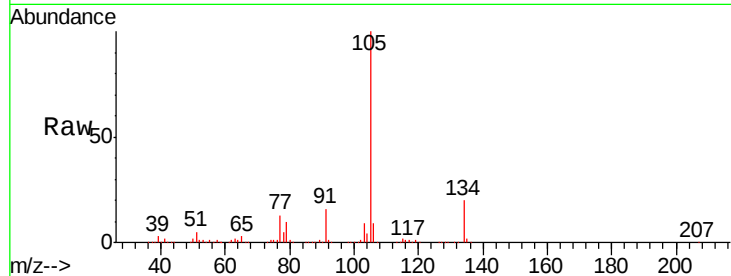
#85
 sec-Butylbenzene
 Concen: 52.24 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVW112118

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	363398		
134	19.6	9.8	29.3	

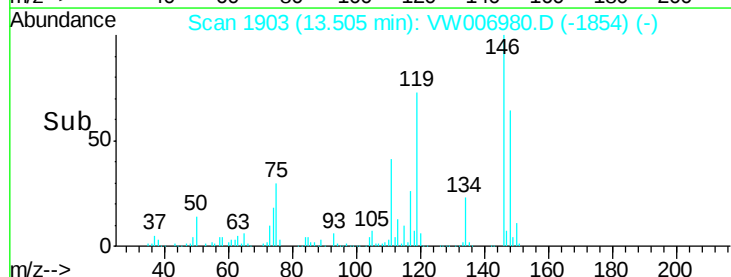
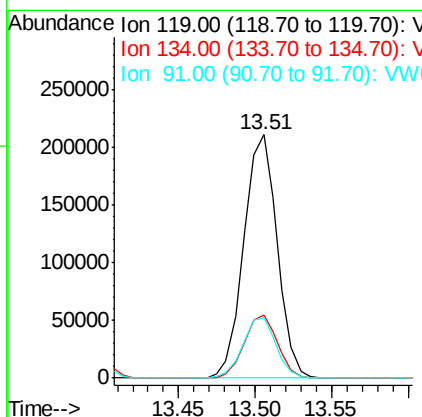
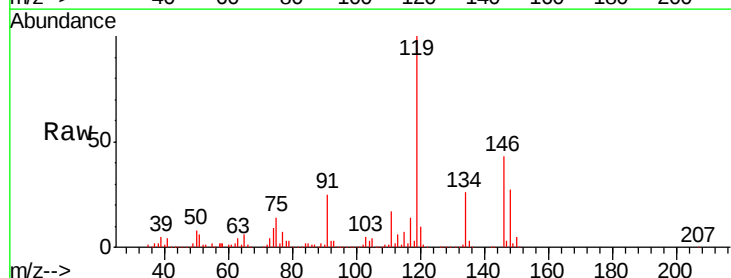
Manual Integrations
 APPROVED

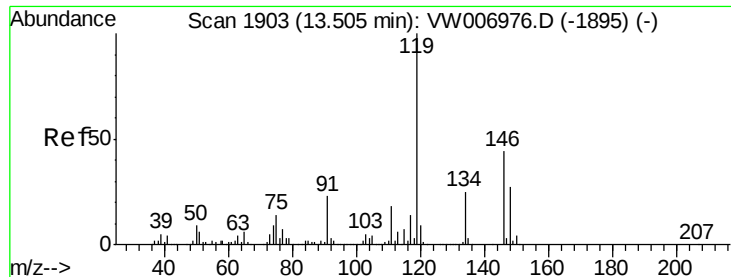
MMDadoda
 11/21/2018 11:32:36 AM



#86
 p-Isopropyltoluene
 Concen: 51.95 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	318790		
134	25.9	12.8	38.3	
91	24.7	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 50.58 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Instrument :

MSVOA_W

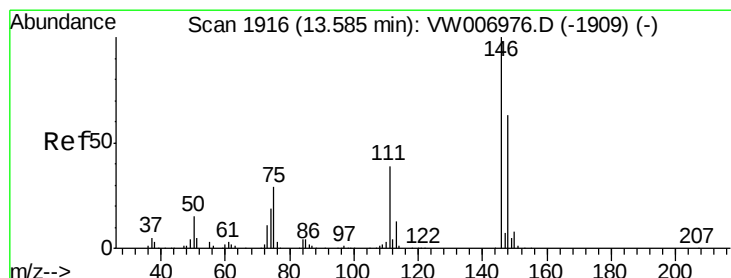
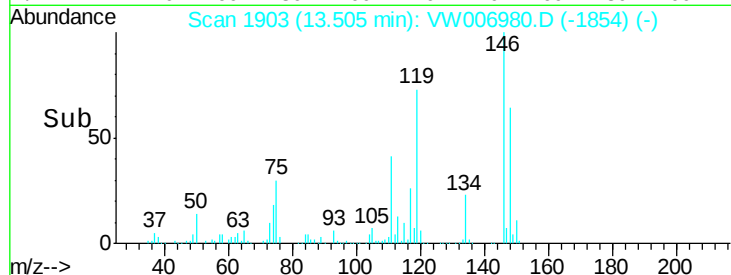
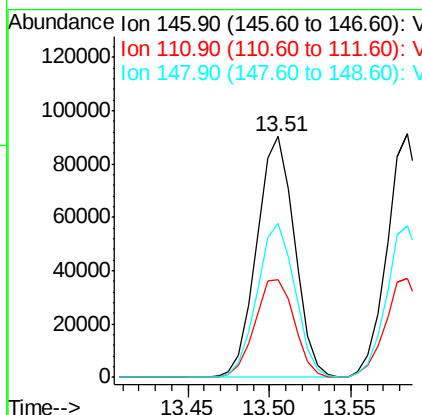
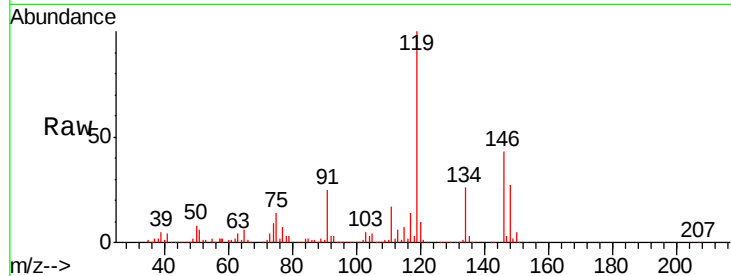
ClientSampleId :

ICVW112118

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	145882		
111	42.4	21.1	63.3	
148	64.1	31.6	94.8	

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



#88

1,4-Dichlorobenzene

Concen: 50.46 ug/l

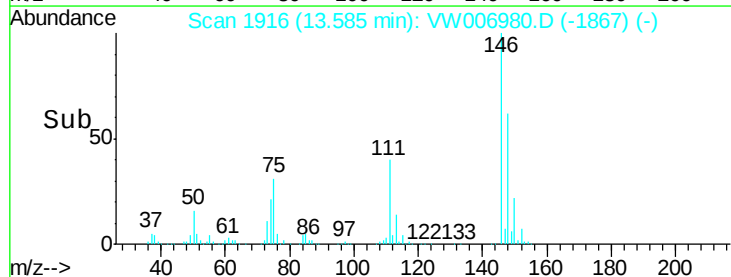
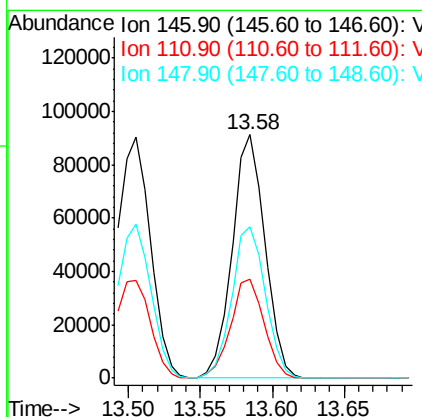
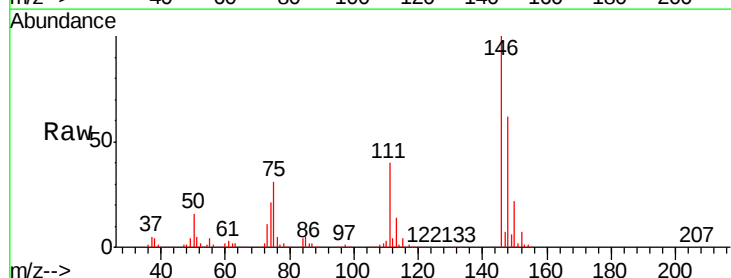
RT: 13.58 min Scan# 1916

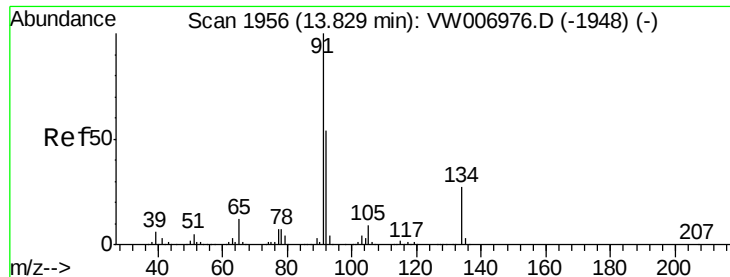
Delta R.T. -0.00 min

Lab File: VW006980.D

Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	145086		
111	41.6	20.6	61.8	
148	63.7	32.3	96.8	





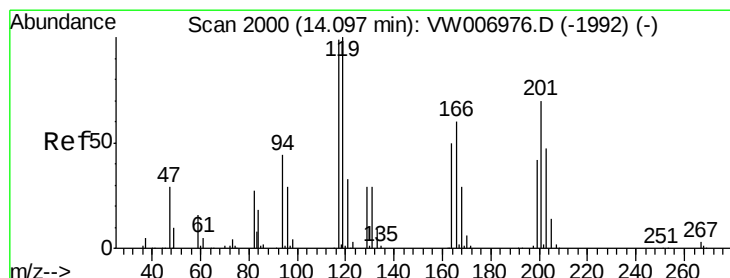
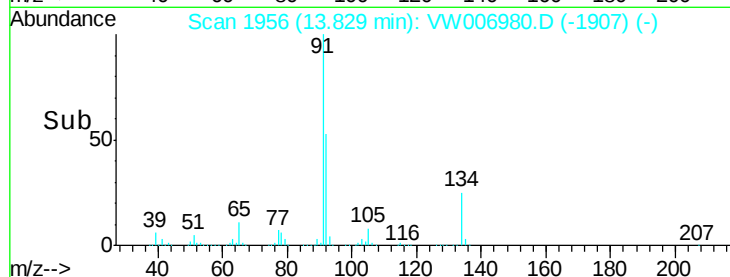
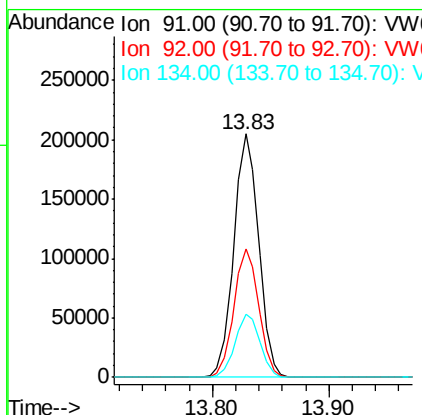
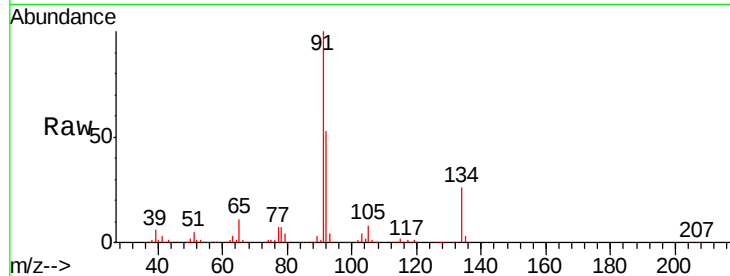
#89
n-Butylbenzene
Concen: 52.78 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.4
134	26.0	13.3	39.8

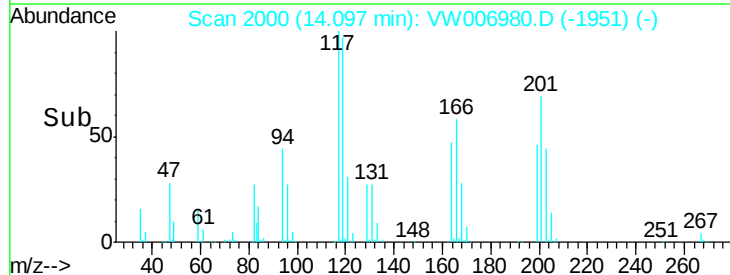
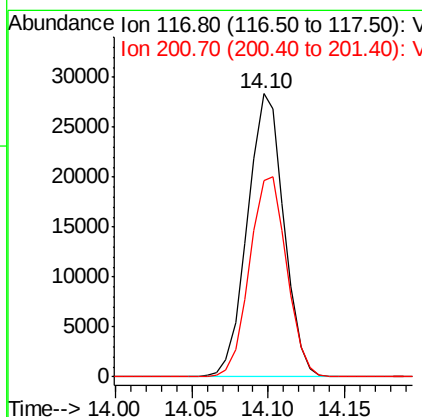
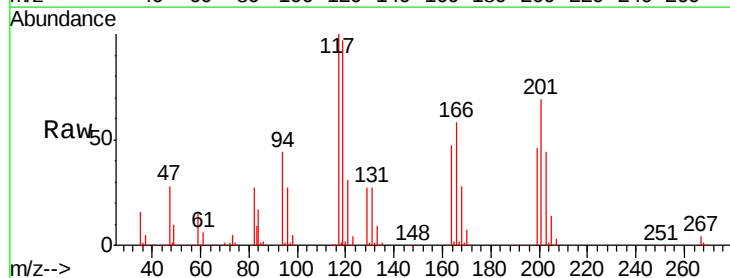
Manual Integrations
APPROVED

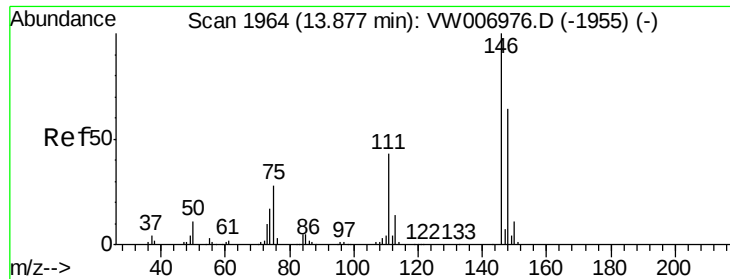
MMDadoda
11/21/2018 11:32:36 AM



#90
Hexachloroethane
Concen: 52.48 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	35.9	107.5





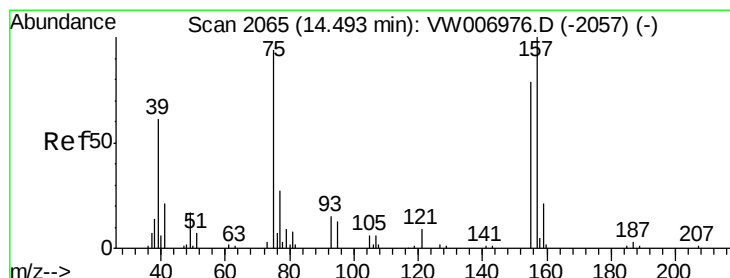
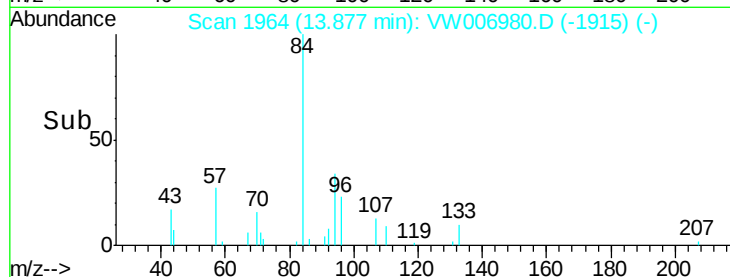
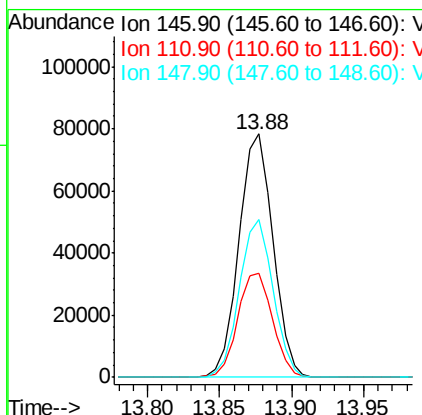
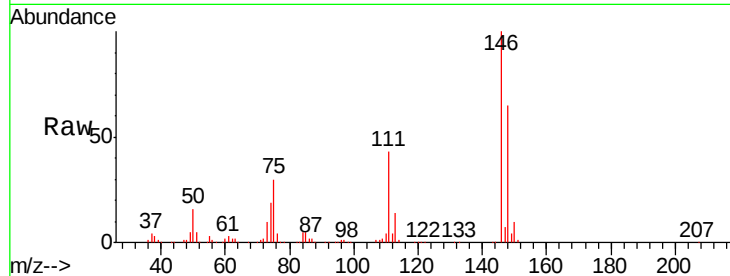
#91
 1,2-Dichlorobenzene
 Concen: 50.90 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW112118

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	64.2	32.2	96.6

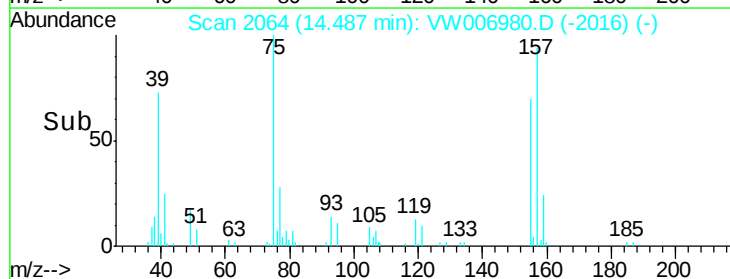
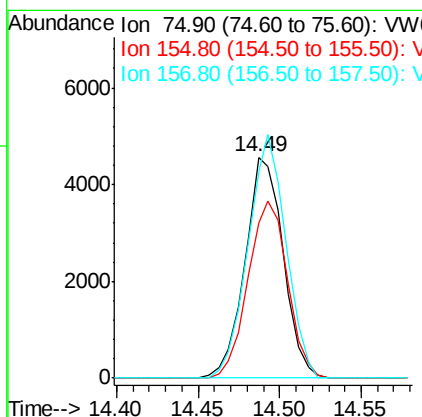
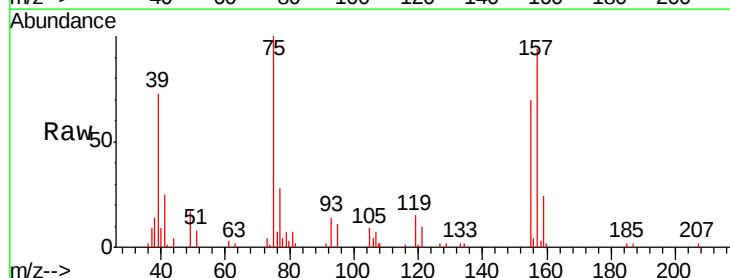
Manual Integrations
 APPROVED

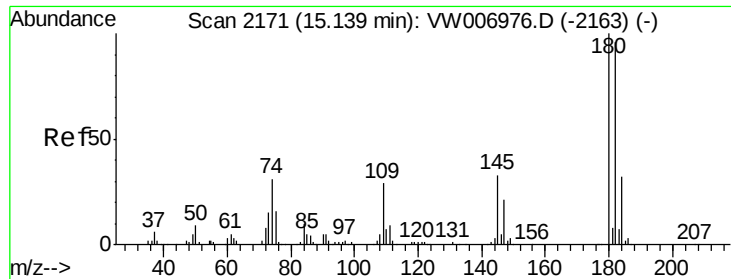
MMDadoda
 11/21/2018 11:32:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.23 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	42.6	127.8
157	109.0	55.0	165.0





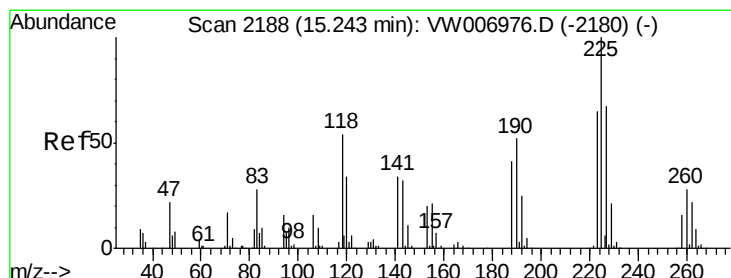
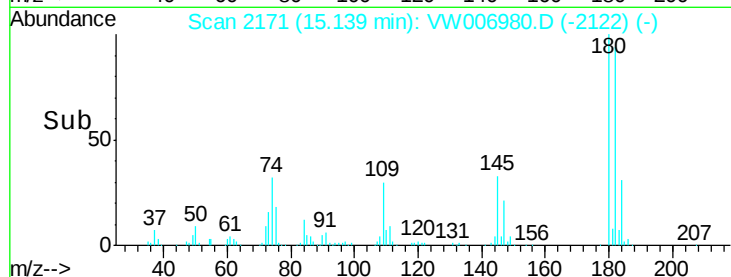
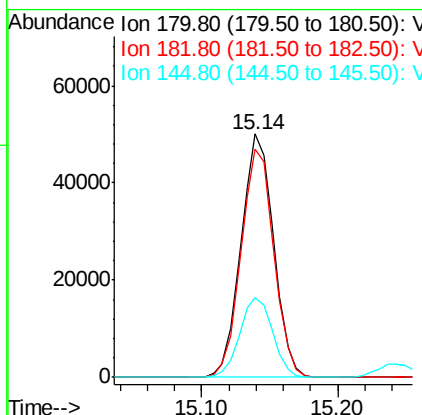
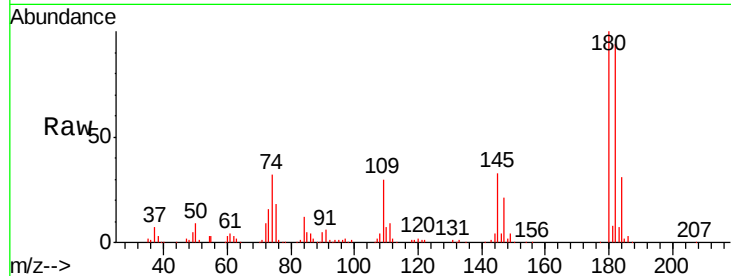
#93
 1,2,4-Trichlorobenzene
 Concen: 50.32 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW112118

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83855		
182	94.0	47.1	141.3	
145	33.2	16.5	49.5	

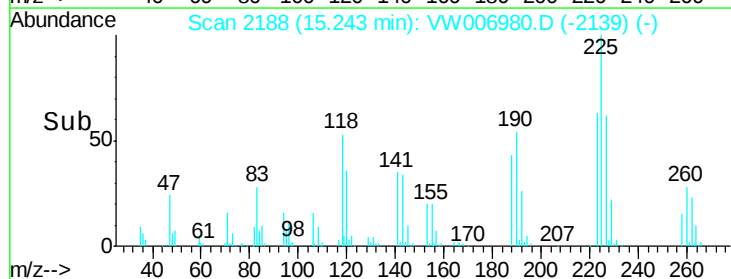
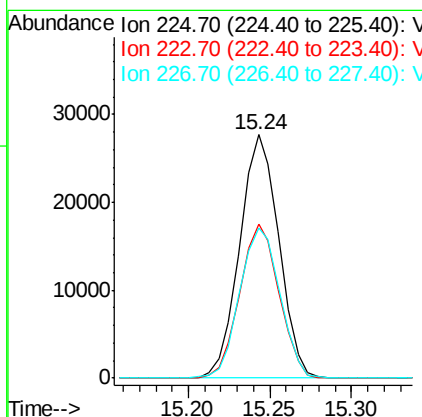
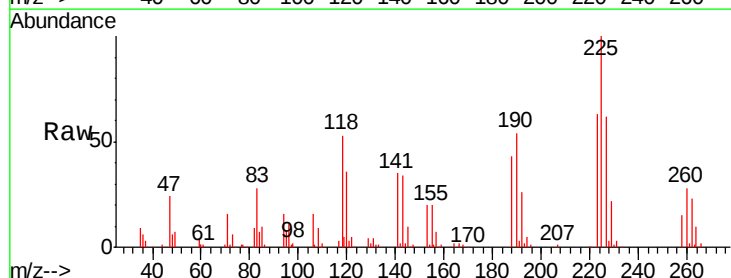
Manual Integrations
 APPROVED

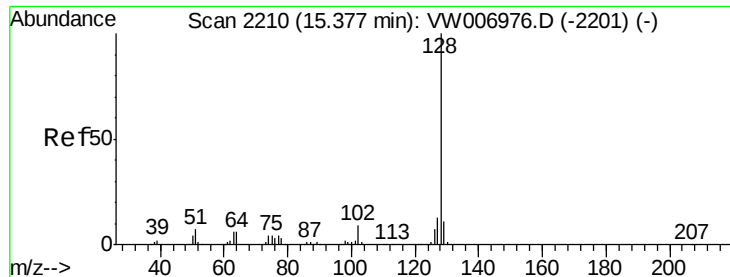
MMDadoda
 11/21/2018 11:32:36 AM



#94
 Hexachlorobutadiene
 Concen: 51.09 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006980.D
 Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46279		
223	63.4	32.4	97.0	
227	63.4	31.9	95.5	





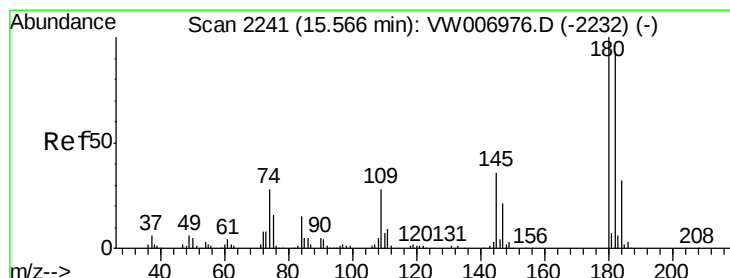
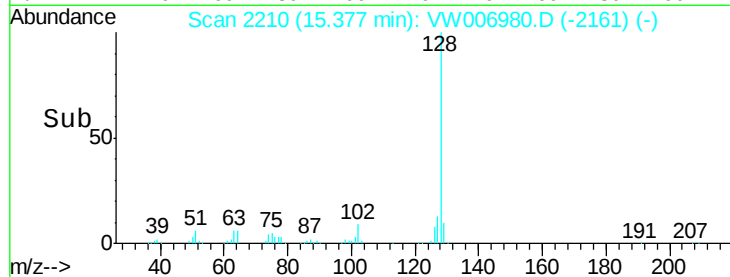
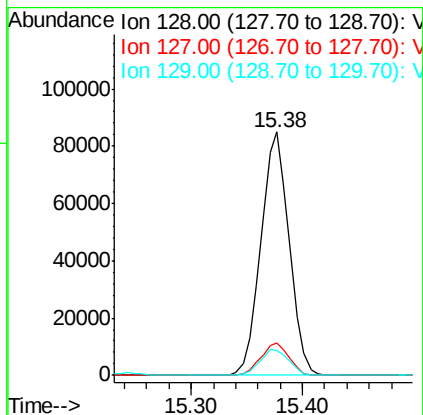
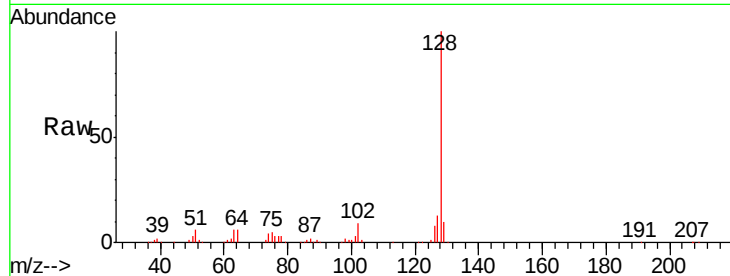
#95
Naphthalene
Concen: 49.60 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW112118

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	150016		
127	13.3	10.5	15.7	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.24 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006980.D
Acq: 20 Nov 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69453		
182	93.6	47.0	141.2	
145	35.2	18.0	54.0	

