

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006976.D
 Acq On : 20 Nov 2018 15:05
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:34 AM

Quant Time: Nov 21 03:15:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 02:56:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	116752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	182702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	173491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86561	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56475	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	7.89	113	52784	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.33	98	242220	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.62	95	93936	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	57327	49.73	ug/l	100
3) Chloromethane	2.21	50	50266	52.32	ug/l	100
4) Vinyl Chloride	2.36	62	49979	52.88	ug/l	100
5) Bromomethane	2.78	94	28465	56.42	ug/l	100
6) Chloroethane	2.92	64	28445	54.59	ug/l	100
7) Trichlorofluoromethane	3.26	101	92299	49.66	ug/l	100
8) Diethyl Ether	3.69	74	29255	48.85	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	57457	47.69	ug/l	100
10) Methyl Iodide	4.28	142	75990	55.09	ug/l	100
11) Tert butyl alcohol	5.20	59	17690	241.20	ug/l	100
12) 1,1-Dichloroethene	4.04	96	52537	49.71	ug/l	100
13) Acrolein	3.90	56	17966	235.11	ug/l	100
14) Allyl chloride	4.68	41	87338	49.83	ug/l	100
15) Acrylonitrile	5.38	53	59699	265.23	ug/l	100
16) Acetone	4.14	43	42696	257.28	ug/l	100
17) Carbon Disulfide	4.39	76	176247	51.59	ug/l	100
18) Methyl Acetate	4.68	43	27962	47.31	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	140769	51.02	ug/l	100
20) Methylene Chloride	4.92	84	65440	39.90	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	60041	48.77	ug/l	100
22) Diisopropyl ether	6.32	45	171563	50.29	ug/l	100
23) Vinyl Acetate	6.26	43	469301	259.04	ug/l	100
24) 1,1-Dichloroethane	6.22	63	102689	49.48	ug/l	100
25) 2-Butanone	7.18	43	73081	257.12	ug/l	100
26) 2,2-Dichloropropane	7.17	77	90223	48.34	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	65246	49.77	ug/l	100
28) Bromochloromethane	7.52	49	39020	50.30	ug/l	100
29) Tetrahydrofuran	7.54	42	47352	257.23	ug/l	100
30) Chloroform	7.68	83	107753	48.87	ug/l	100
31) Cyclohexane	7.96	56	106015	48.16	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	97945	49.32	ug/l	100
36) 1,1-Dichloropropene	8.09	75	89878	50.34	ug/l	100
37) Ethyl Acetate	7.26	43	32542	50.30	ug/l	100
38) Carbon Tetrachloride	8.07	117	85600	50.07	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
 Data File : VW006976.D
 Acq On : 20 Nov 2018 15:05
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:34 AM

Quant Time: Nov 21 03:15:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 02:56:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	113527	50.81	ug/l	100
40) Benzene	8.33	78	248105	51.48	ug/l	100
41) Methacrylonitrile	7.49	41	20198	50.27	ug/l	100
42) 1,2-Dichloroethane	8.40	62	69163	49.43	ug/l	100
43) Isopropyl Acetate	8.43	43	63576	51.57	ug/l	100
44) Trichloroethene	9.09	130	68690	50.84	ug/l	100
45) 1,2-Dichloropropane	9.37	63	60440	50.88	ug/l	100
46) Dibromomethane	9.46	93	30012	50.45	ug/l	100
47) Bromodichloromethane	9.65	83	78175	49.87	ug/l	100
48) Methyl methacrylate	9.44	41	31309	52.67	ug/l	100
49) 1,4-Dioxane	9.46	88	9624	1088.37	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	163025	261.65	ug/l	100
52) Toluene	10.39	92	174510	53.21	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	78428	51.65	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	95590	52.11	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	43849	50.10	ug/l	100
56) Ethyl methacrylate	10.65	69	55245	54.37	ug/l	100
57) 1,3-Dichloropropane	10.93	76	74920	51.08	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	128950	242.88	ug/l	100
59) 2-Hexanone	10.97	43	118231	277.10	ug/l	100
60) Dibromochloromethane	11.13	129	51661	51.80	ug/l	100
61) 1,2-Dibromoethane	11.24	107	41516	51.85	ug/l	100
64) Tetrachloroethene	10.87	164	58286	52.22	ug/l	100
65) Chlorobenzene	11.66	112	192019	53.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	55802	50.94	ug/l	100
67) Ethyl Benzene	11.73	91	345165	51.89	ug/l	100
68) m/p-Xylenes	11.84	106	272442	104.39	ug/l	100
69) o-Xylene	12.17	106	129061	52.45	ug/l	100
70) Styrene	12.18	104	207443	52.97	ug/l	100
71) Bromoform	12.35	173	26538	51.43	ug/l #	100
73) Isopropylbenzene	12.47	105	349832	52.00	ug/l	100
74) N-amyl acetate	12.27	43	61609	54.64	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	45985	51.36	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	29414m	26.25	ug/l	
77) Bromobenzene	12.75	156	74396	51.49	ug/l	100
78) n-propylbenzene	12.81	91	420726	51.63	ug/l	100
79) 2-Chlorotoluene	12.90	91	241646	51.43	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	303027	52.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	14354	52.98	ug/l	100
82) 4-Chlorotoluene	12.99	91	255956	51.91	ug/l	100
83) tert-Butylbenzene	13.21	119	259907	51.60	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	303407	52.35	ug/l	100
85) sec-Butylbenzene	13.39	105	369695	51.96	ug/l	100
86) p-Isopropyltoluene	13.51	119	327302	52.14	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	153905	52.17	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	151577	51.54	ug/l	100
89) n-Butylbenzene	13.83	91	312436	52.89	ug/l	100
90) Hexachloroethane	14.10	117	46712	50.97	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	135367	52.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7923	52.40	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
Data File : VW006976.D
Acq On : 20 Nov 2018 15:05
Operator : SY/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM

Quant Time: Nov 21 03:15:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 02:56:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89617	52.58	ug/l	100
94) Hexachlorobutadiene	15.24	225	48284	52.11	ug/l	100
95) Naphthalene	15.38	128	164581	53.20	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	74799	52.90	ug/l	100

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

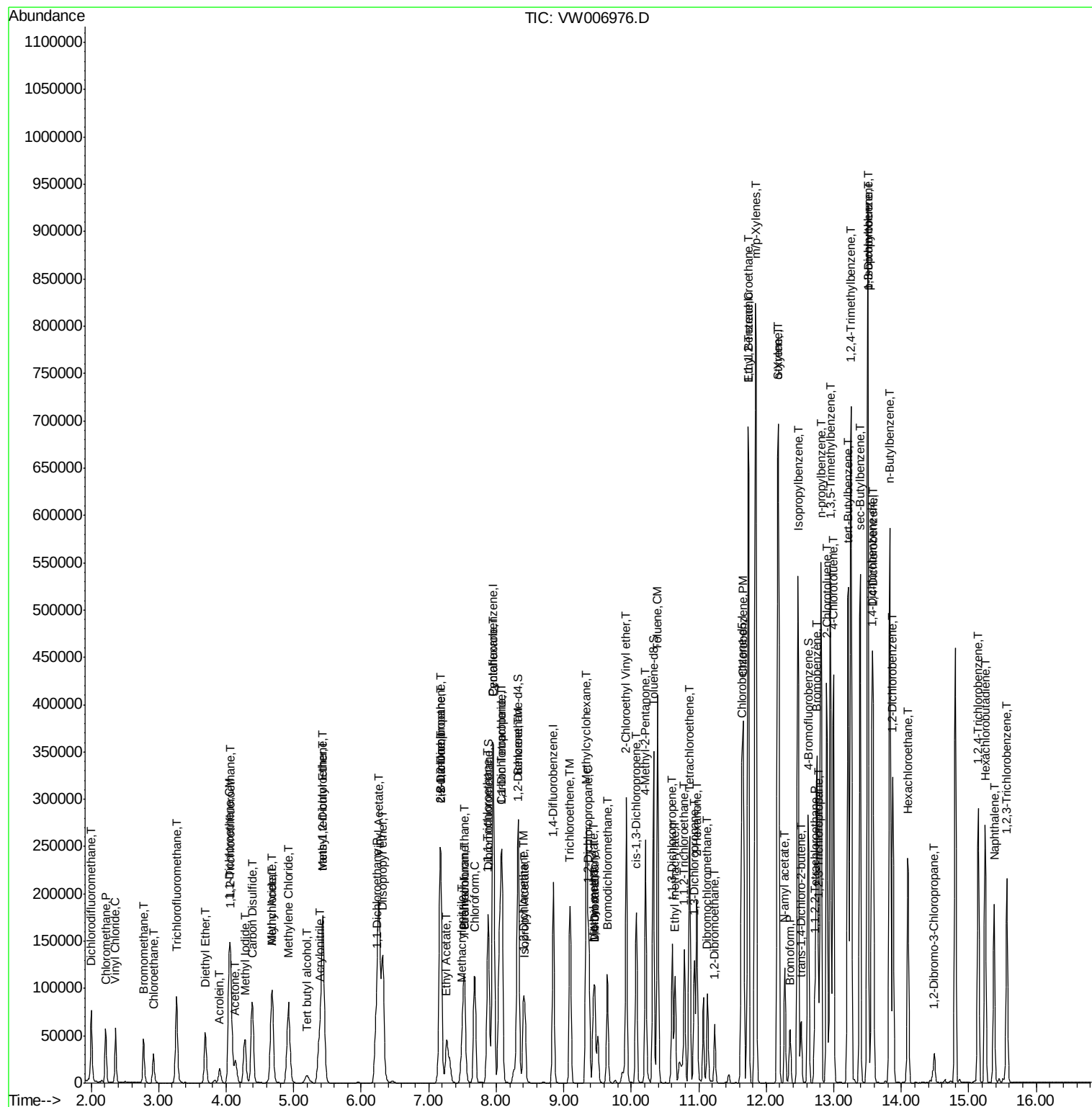
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW112118\
Data File : VW006976.D
Acq On : 20 Nov 2018 15:05
Operator : SY/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

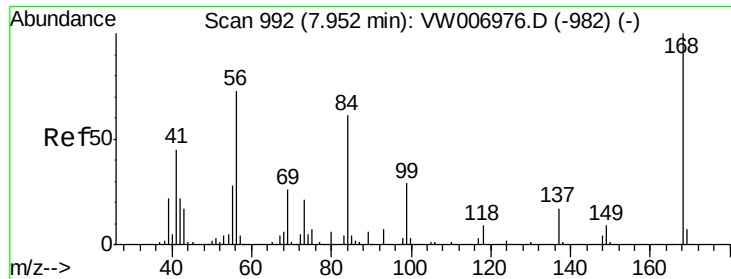
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM

Quant Time: Nov 21 03:15:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 02:56:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 168 Resp: 116752

Ion Ratio Lower Upper

168 100

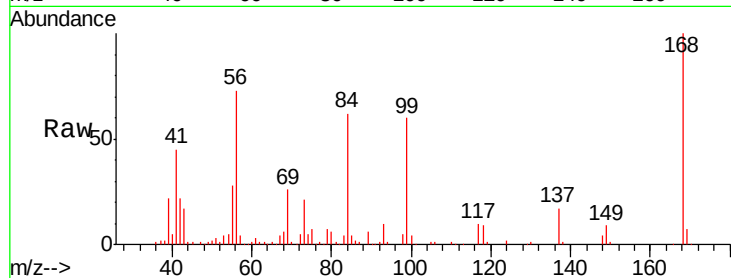
99 60.3 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

60000

50000

40000

30000

20000

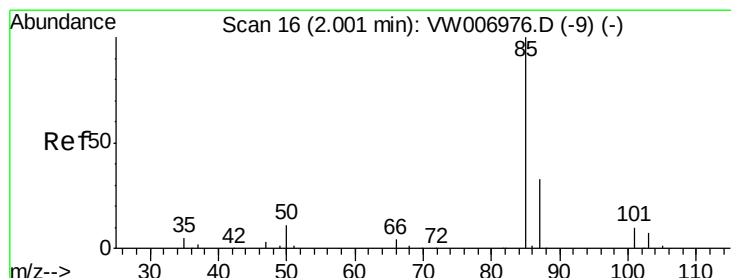
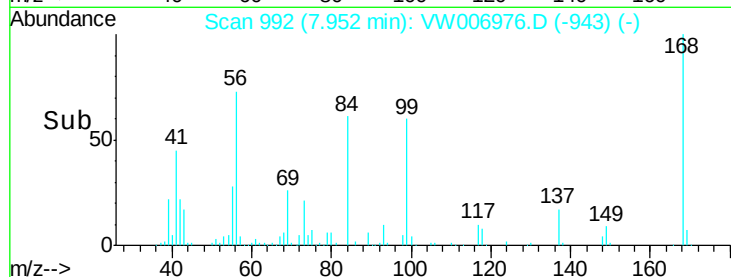
10000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 49.73 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006976.D

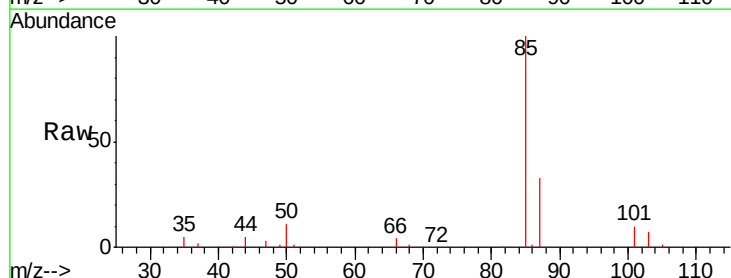
Acq: 20 Nov 2018 15:05

Tgt Ion: 85 Resp: 57327

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

30000

20000

10000

0

1.90

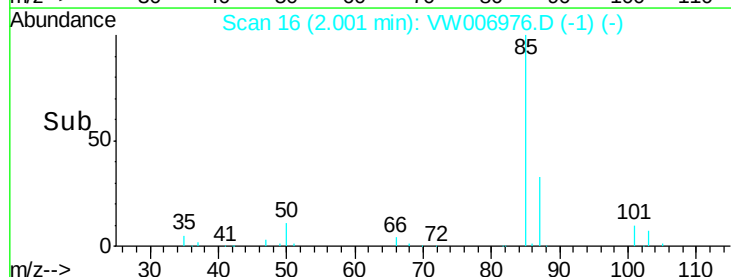
1.95

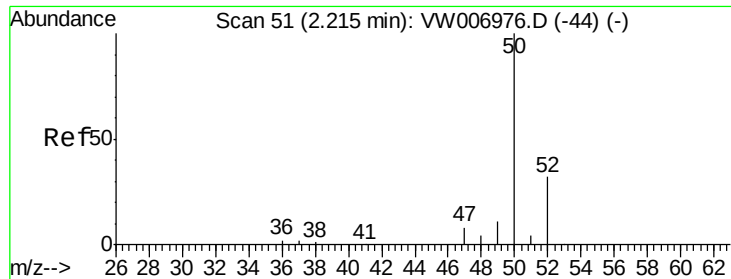
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 52.32 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 50266

Ion Ratio Lower Upper

50 100

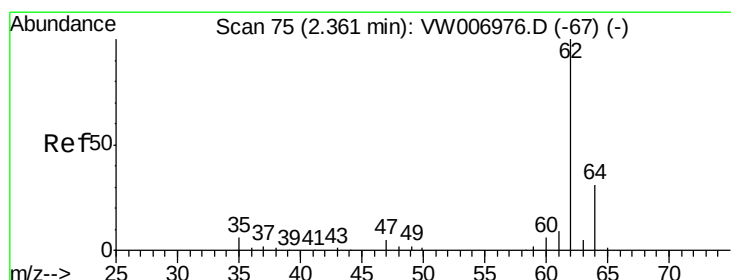
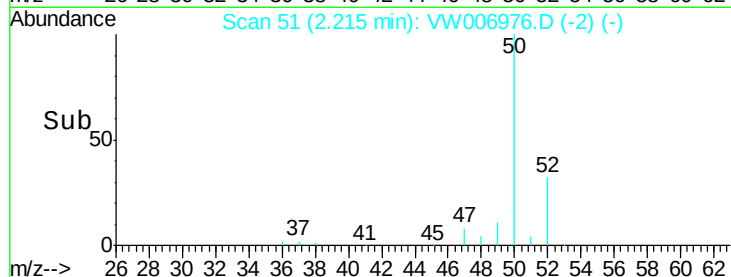
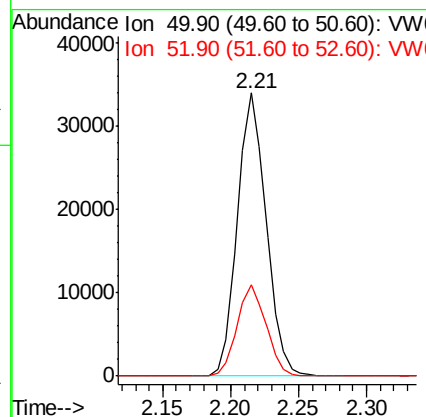
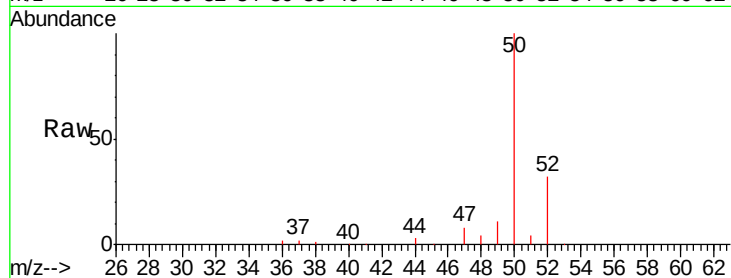
52 32.1 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:34 AM



#4

Vinyl Chloride

Concen: 52.88 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006976.D

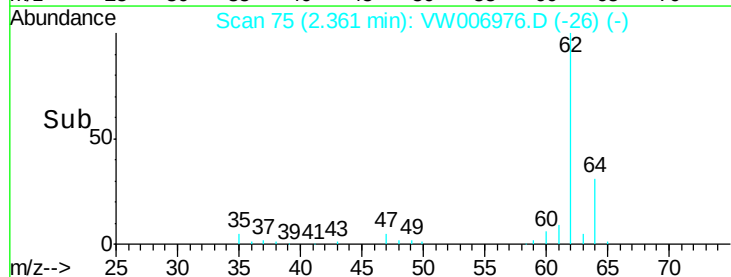
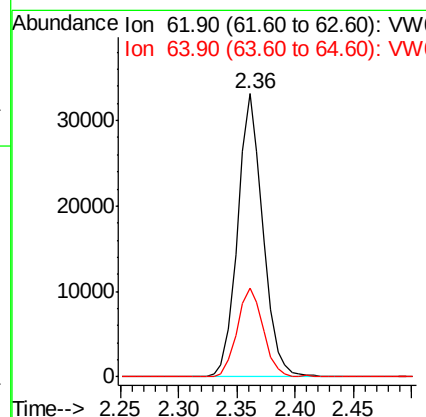
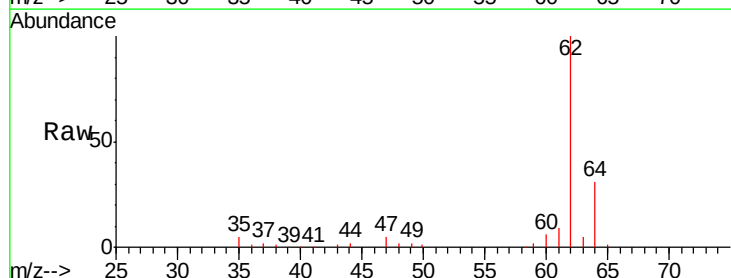
Acq: 20 Nov 2018 15:05

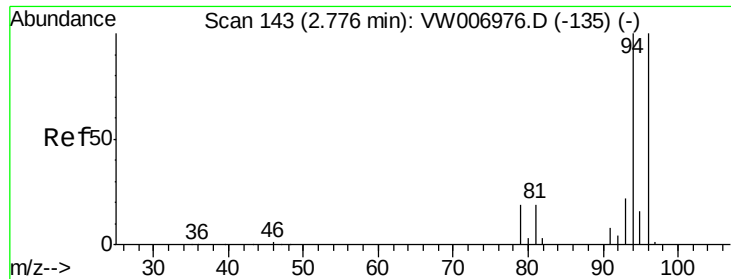
Tgt Ion: 62 Resp: 49979

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 56.42 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 28465

Ion Ratio Lower Upper

94 100

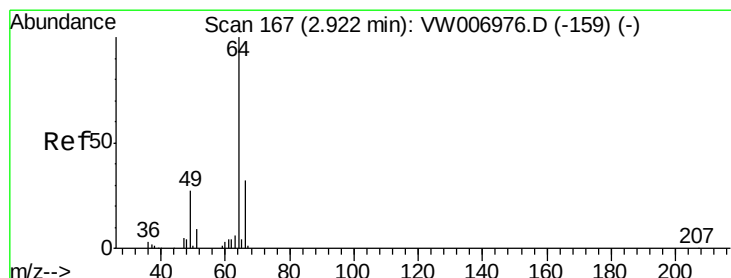
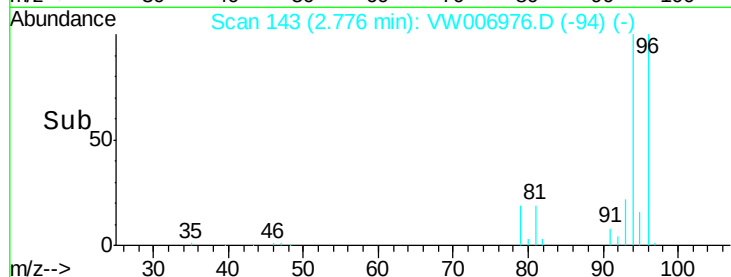
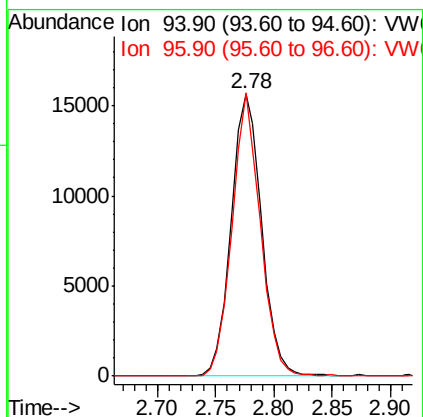
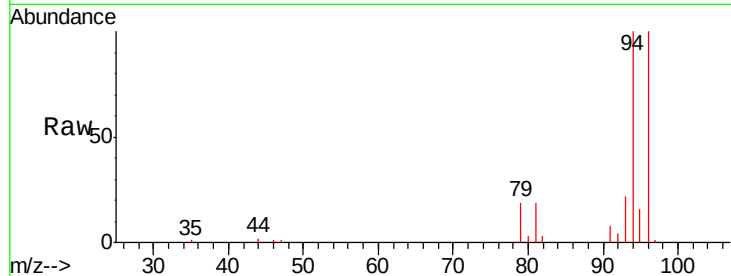
96 100.2 80.2 120.2

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:34 AM



#6

Chloroethane

Concen: 54.59 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006976.D

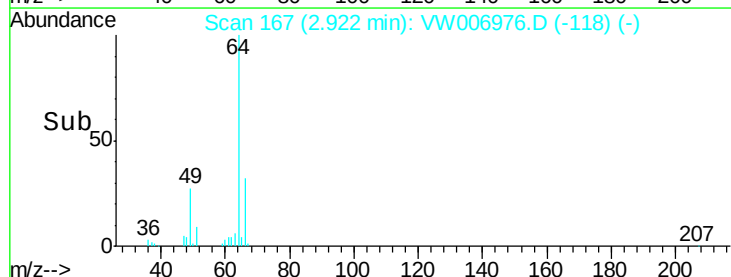
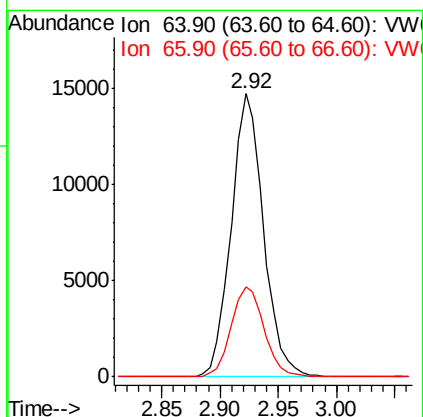
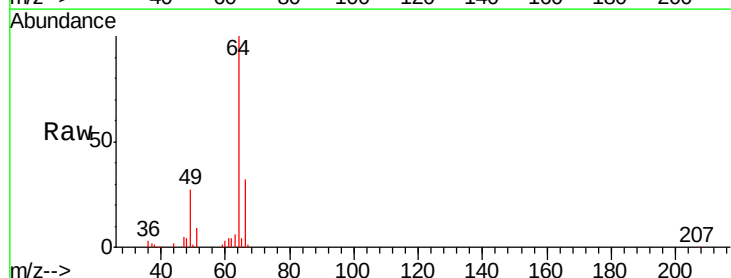
Acq: 20 Nov 2018 15:05

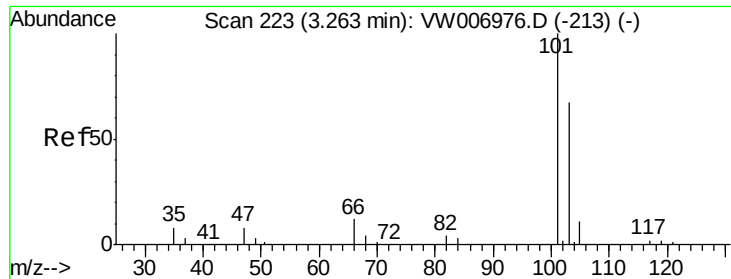
Tgt Ion: 64 Resp: 28445

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9





#7

Trichlorofluoromethane

Concen: 49.66 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 101 Resp: 92299

Ion Ratio Lower Upper

101 100

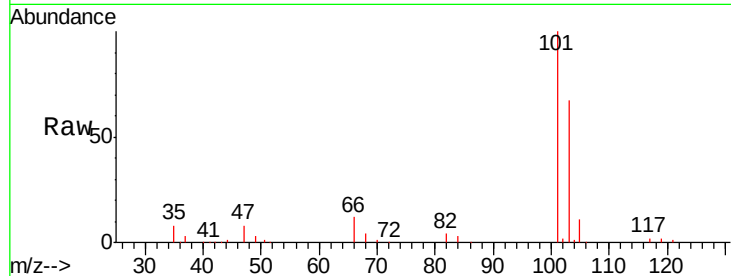
103 66.8 53.4 80.2

Manual Integrations

APPROVED

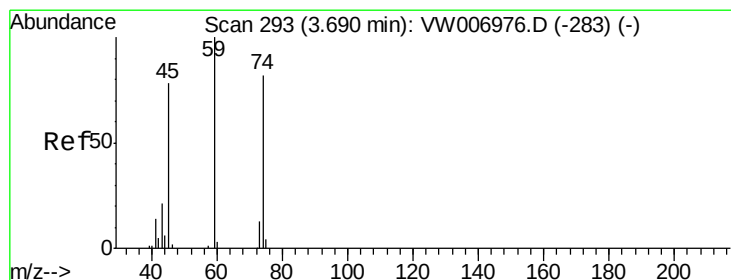
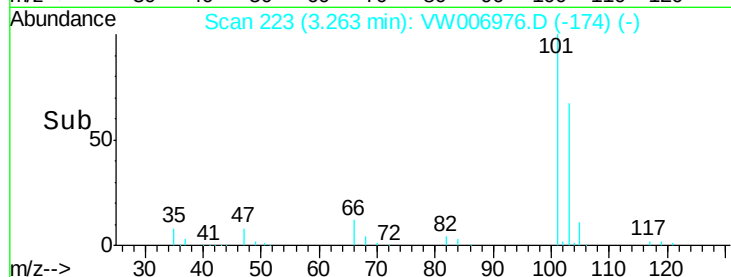
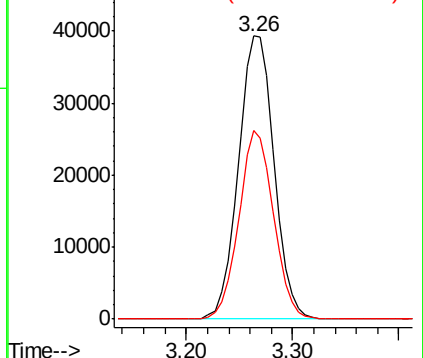
MMDadoda

11/21/2018 11:32:34 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.85 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW006976.D

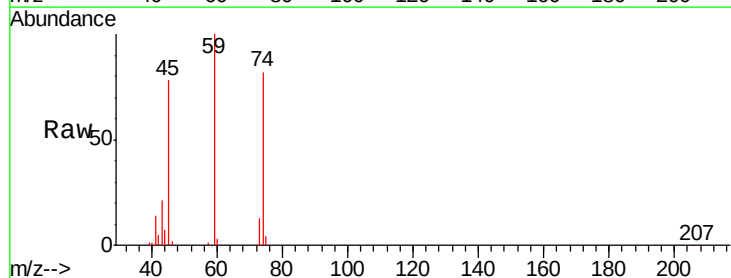
Acq: 20 Nov 2018 15:05

Tgt Ion: 74 Resp: 29255

Ion Ratio Lower Upper

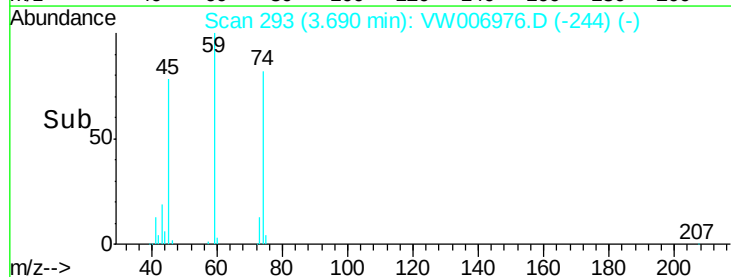
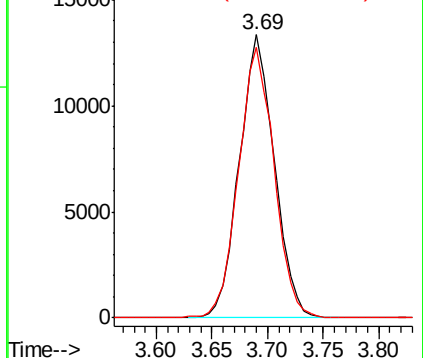
74 100

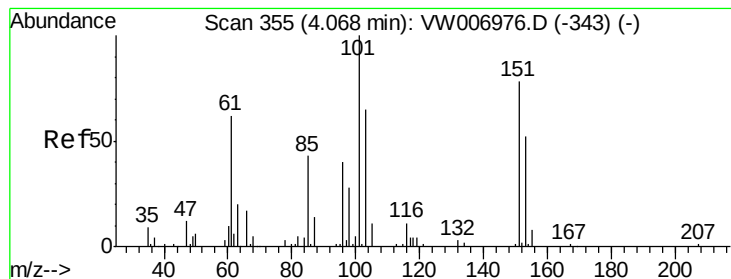
45 96.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.69 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

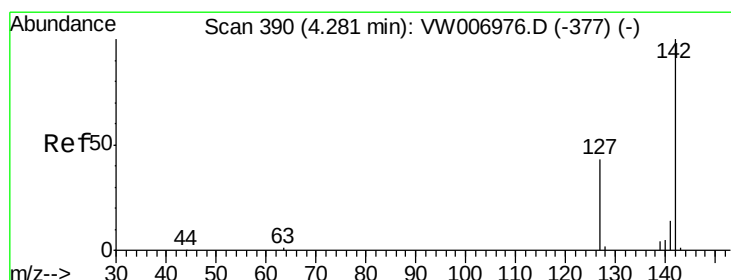
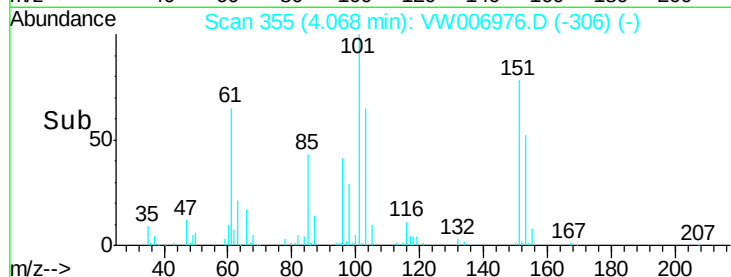
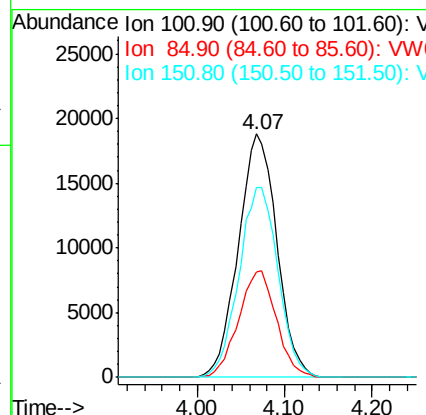
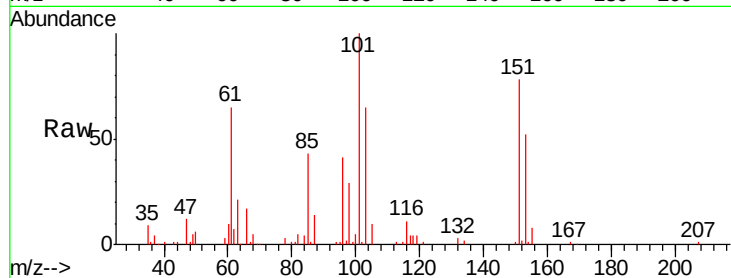
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	57457
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.3	51.5
151	79.3	63.4	95.2

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



#10

Methyl Iodide

Concen: 55.09 ug/l

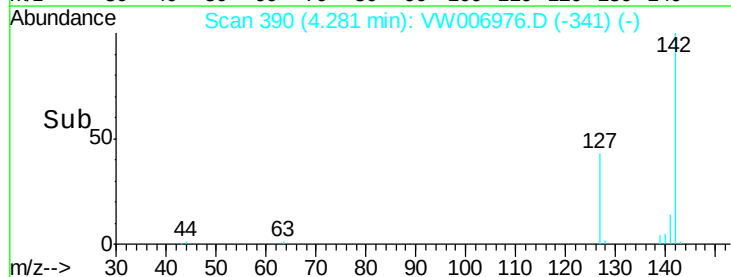
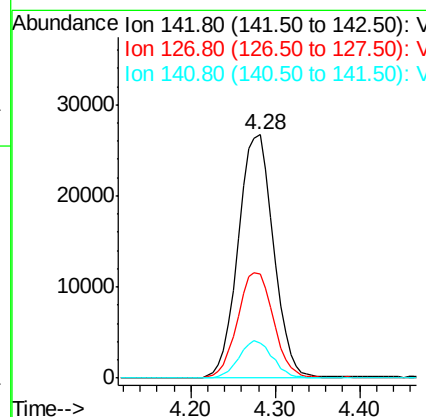
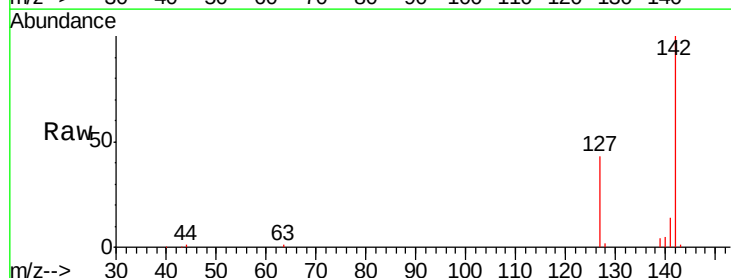
RT: 4.28 min Scan# 390

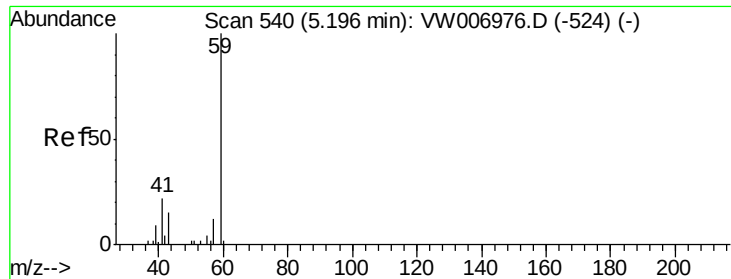
Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Tgt Ion:	142	Resp:	75990
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.3	52.9
141	14.6	11.7	17.5





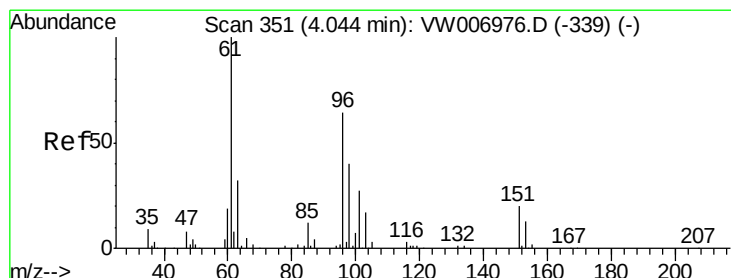
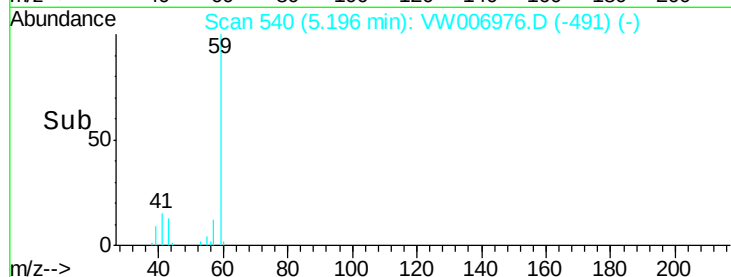
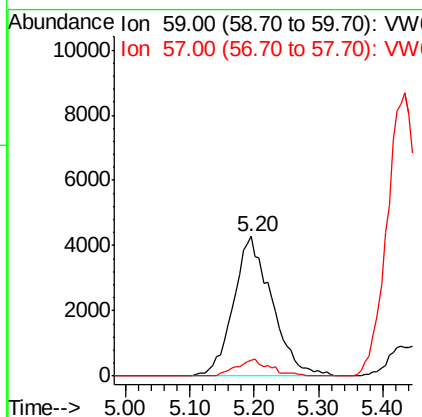
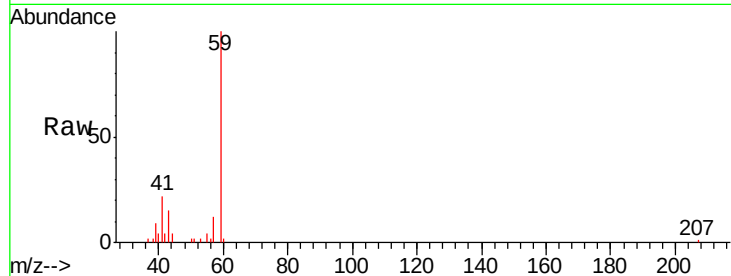
#11
Tert butyl alcohol
Concen: 241.20 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 17690
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0

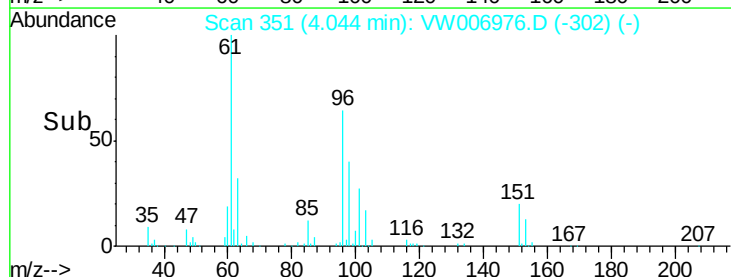
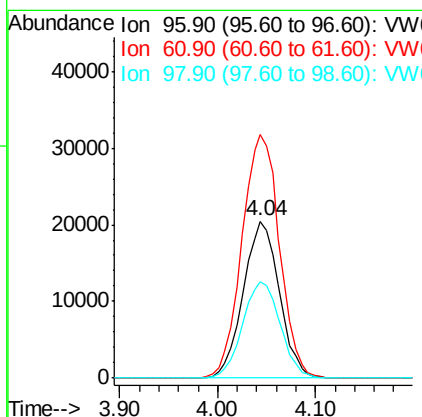
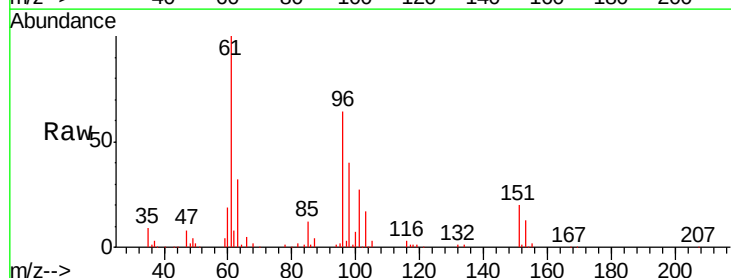
Manual Integrations
APPROVED

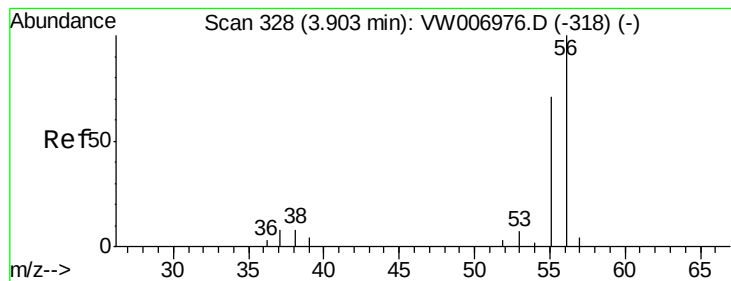
MMDadoda
11/21/2018 11:32:34 AM



#12
1,1-Dichloroethene
Concen: 49.71 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 96 Resp: 52537
Ion Ratio Lower Upper
96 100
61 155.4 124.3 186.5
98 61.8 49.4 74.2





#13

Acrolein

Concen: 235.11 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 17966

Ion Ratio Lower Upper

56 100

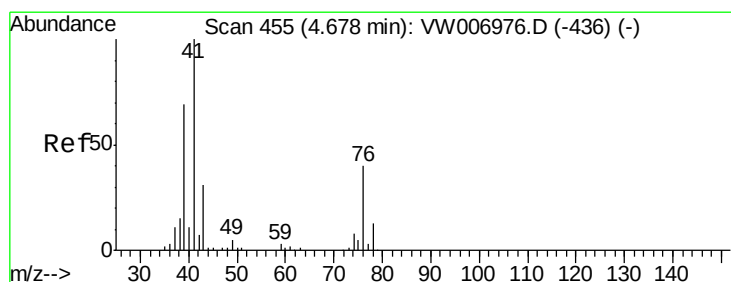
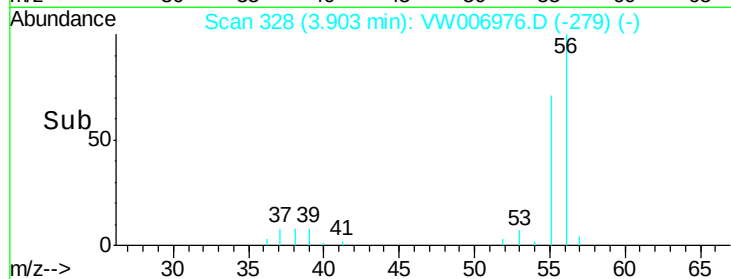
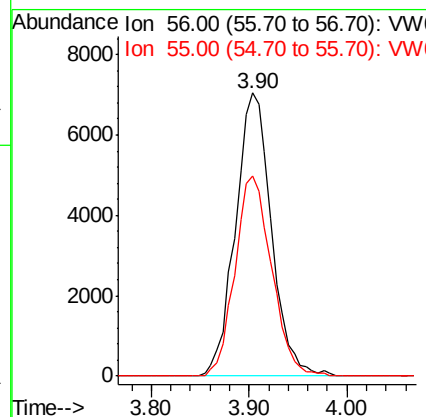
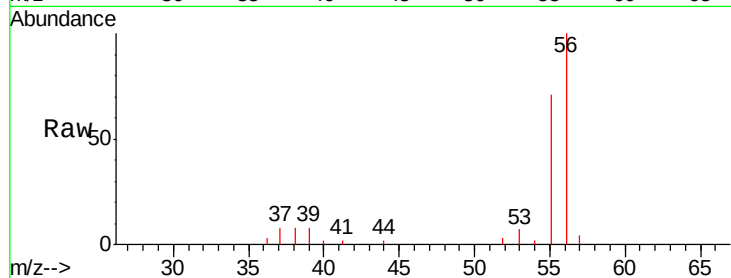
55 71.9 57.5 86.3

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:34 AM



#14

Allyl chloride

Concen: 49.83 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

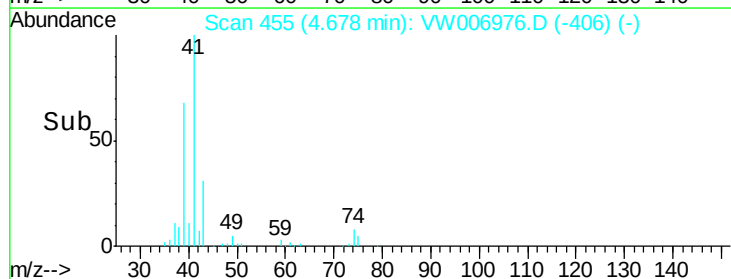
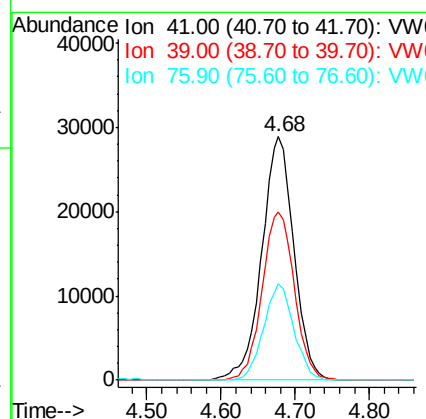
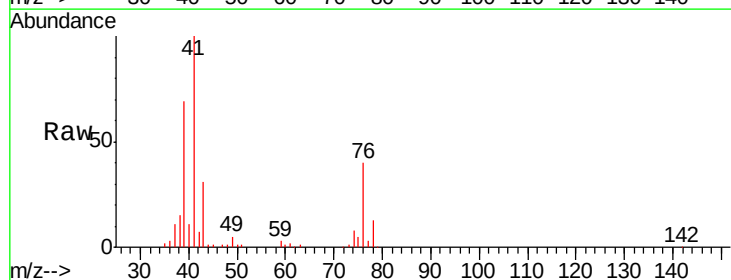
Tgt Ion: 41 Resp: 87338

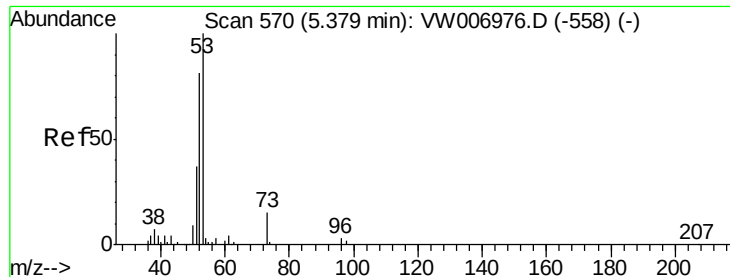
Ion Ratio Lower Upper

41 100

39 69.3 55.4 83.2

76 37.0 29.6 44.4





#15

Acrylonitrile

Concen: 265.23 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

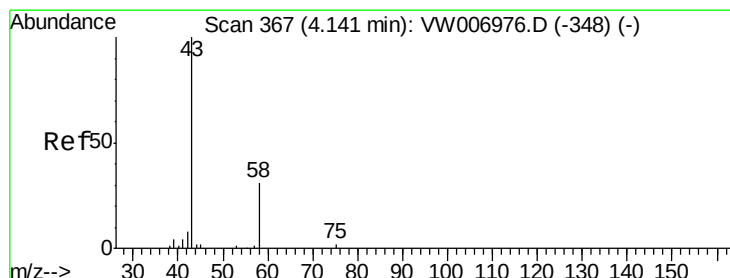
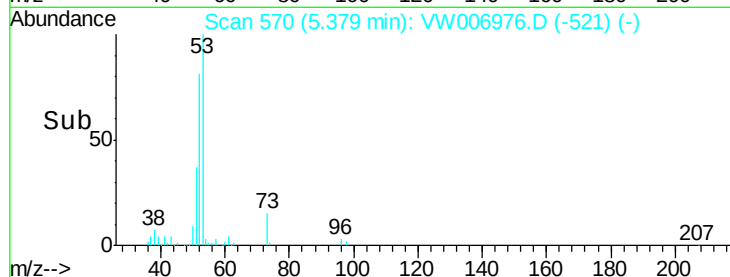
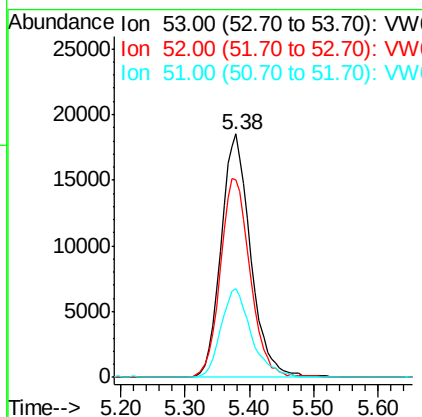
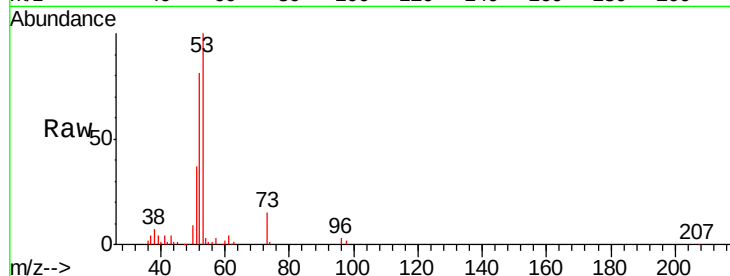
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	59699
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	37.4	29.9	44.9

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



#16

Acetone

Concen: 257.28 ug/l

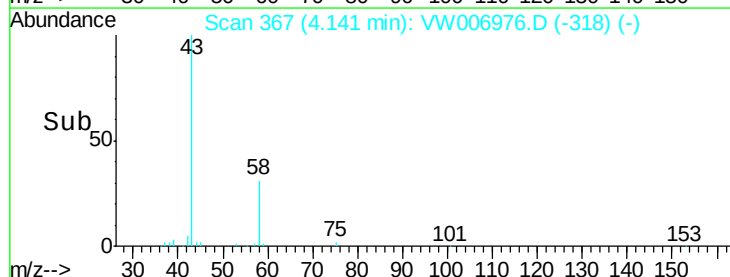
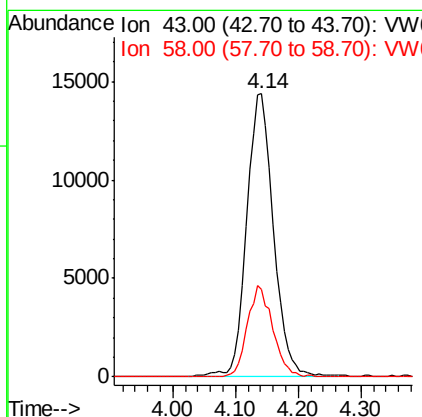
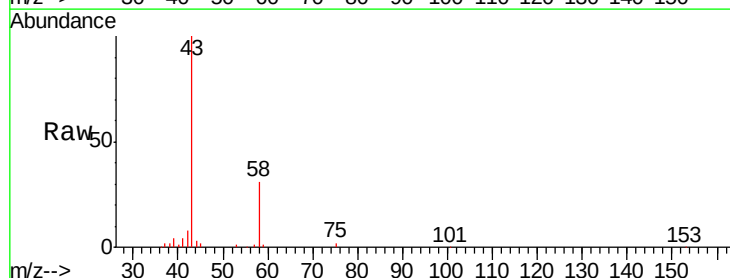
RT: 4.14 min Scan# 367

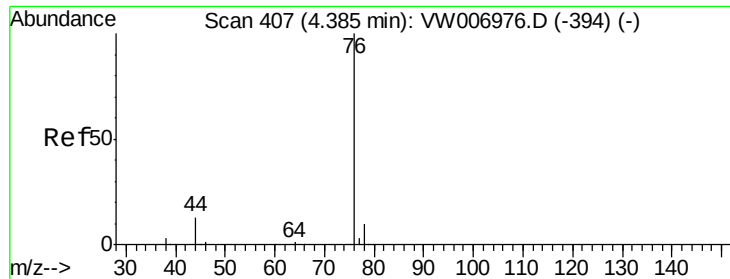
Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Tgt Ion:	43	Resp:	42696
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.8	37.2





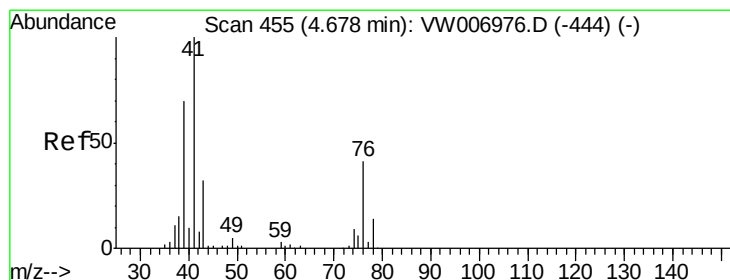
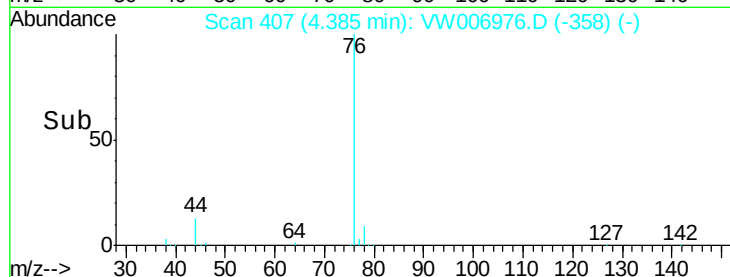
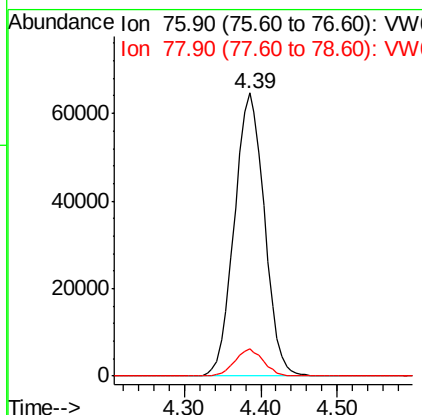
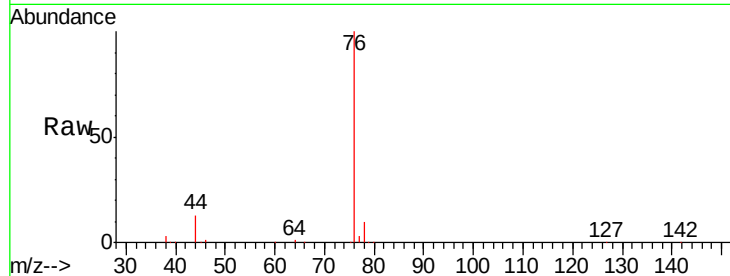
#17
Carbon Disulfide
Concen: 51.59 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 176247
Ion Ratio Lower Upper
76 100
78 9.7 7.8 11.6

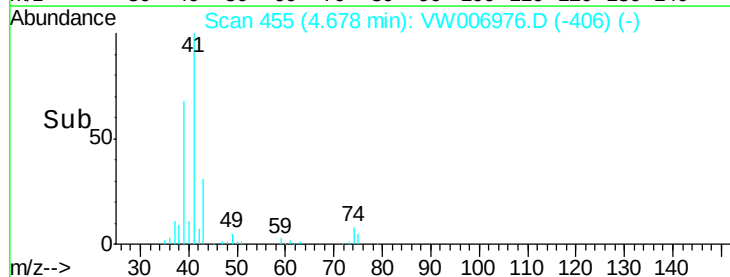
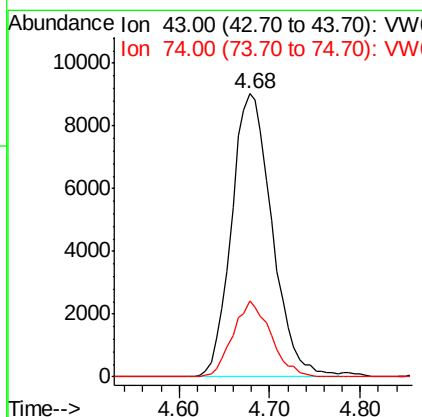
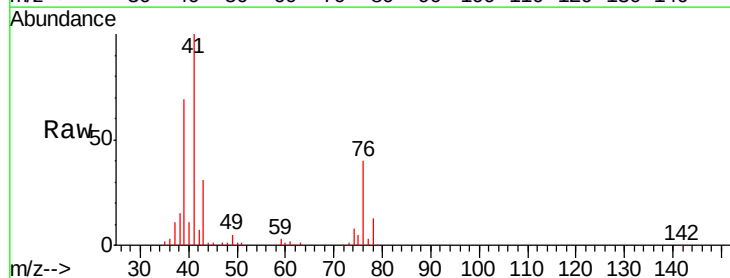
Manual Integrations
APPROVED

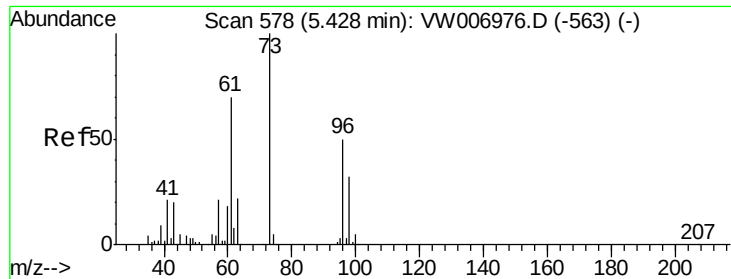
MMDadoda
11/21/2018 11:32:34 AM



#18
Methyl Acetate
Concen: 47.31 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 43 Resp: 27962
Ion Ratio Lower Upper
43 100
74 25.1 20.1 30.1





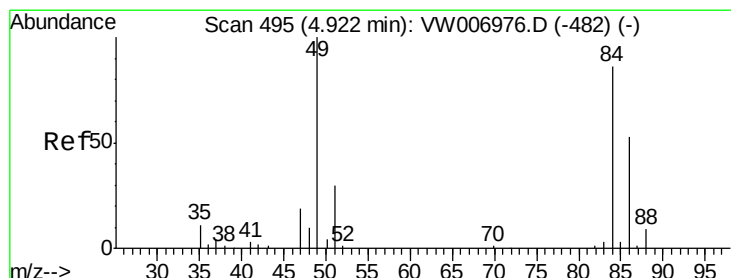
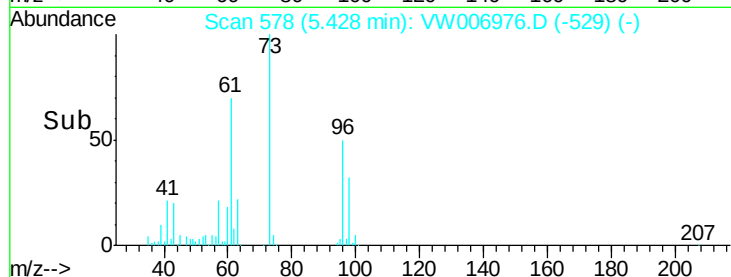
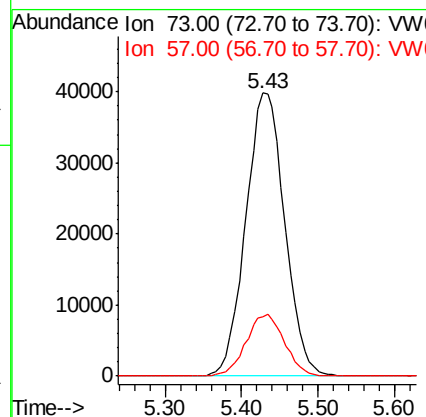
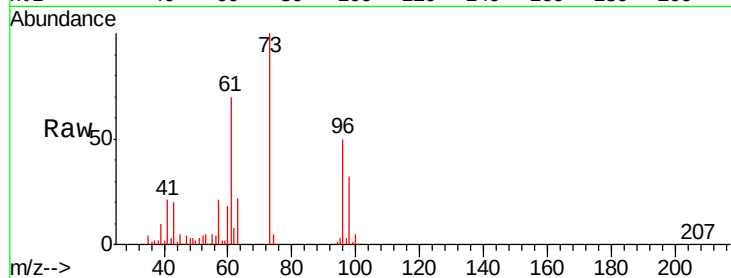
#19
Methyl tert-butyl Ether
Concen: 51.02 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 140769
Ion Ratio Lower Upper
73 100
57 20.9 16.7 25.1

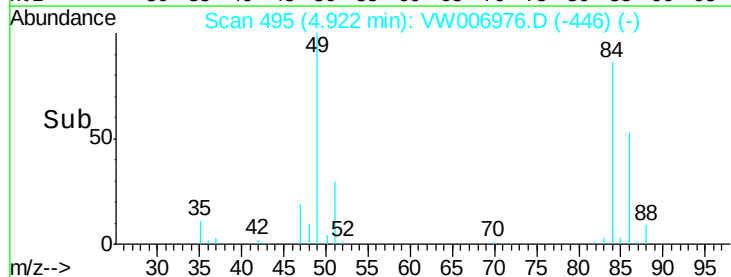
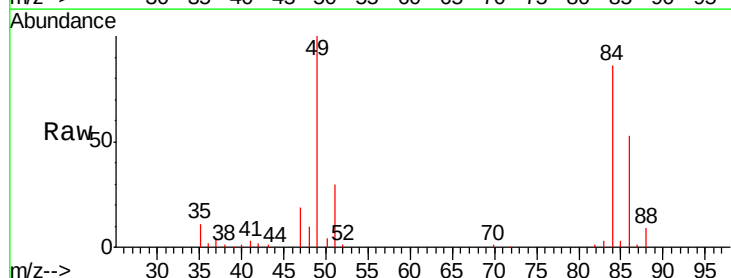
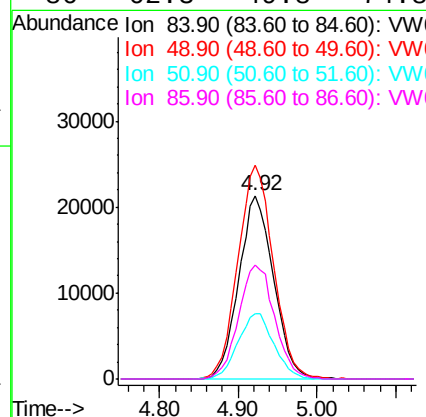
Manual Integrations
APPROVED

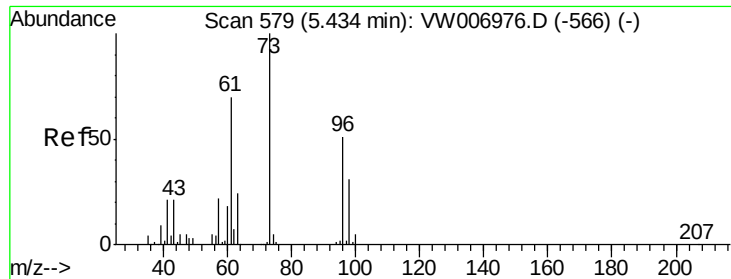
MMDadoda
11/21/2018 11:32:34 AM



#20
Methylene Chloride
Concen: 39.90 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 84 Resp: 65440
Ion Ratio Lower Upper
84 100
49 116.7 93.4 140.0
51 35.5 28.4 42.6
86 62.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.77 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

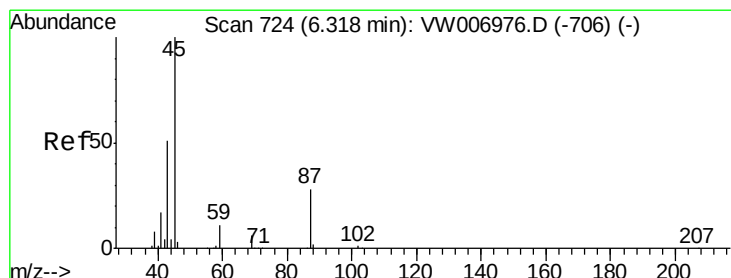
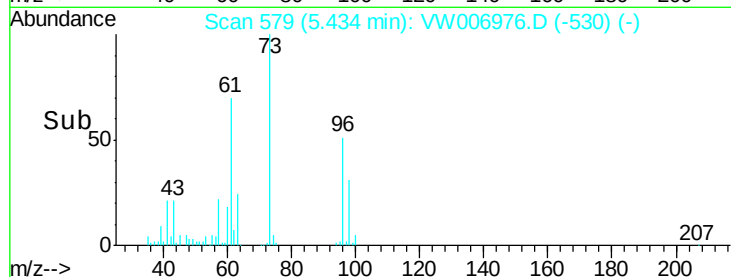
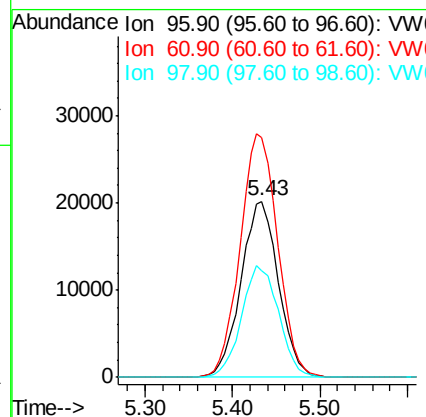
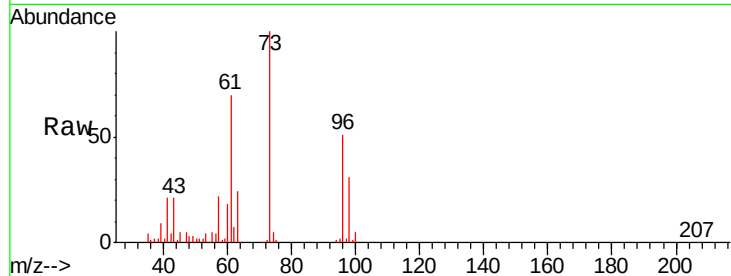
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	60041
Ion	Ratio	Lower	Upper
96	100		
61	136.7	109.4	164.0
98	60.4	48.3	72.5

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



#22

Diisopropyl ether

Concen: 50.29 ug/l

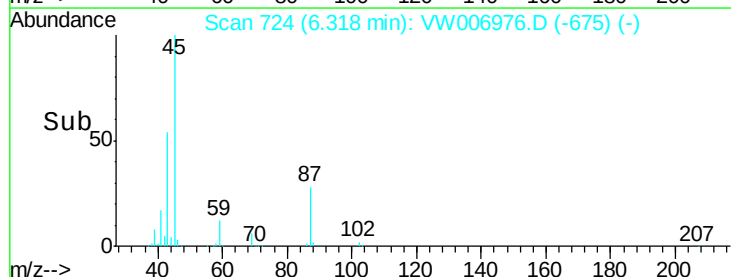
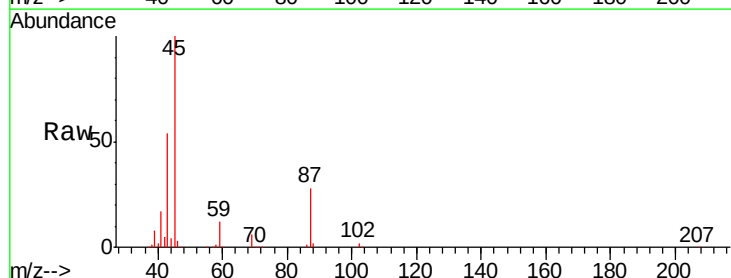
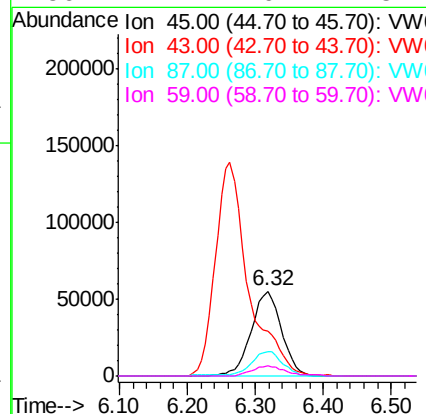
RT: 6.32 min Scan# 724

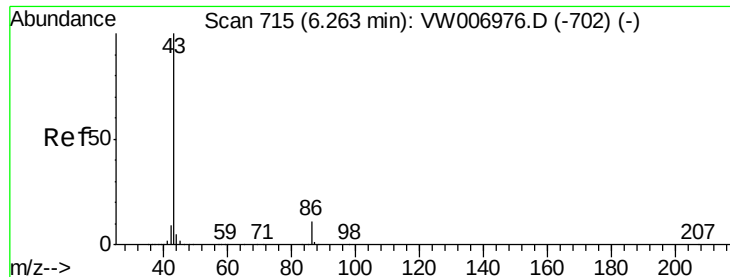
Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Tgt Ion:	45	Resp:	171563
Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.5	63.7
87	28.5	22.8	34.2
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 259.04 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 469301

Ion Ratio Lower Upper

43 100

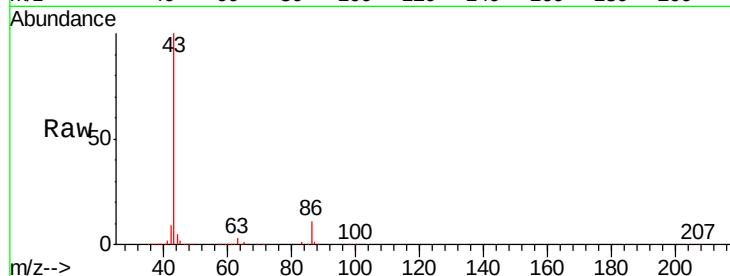
86 10.9 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

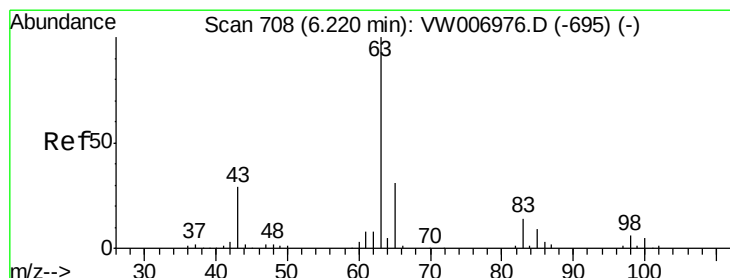
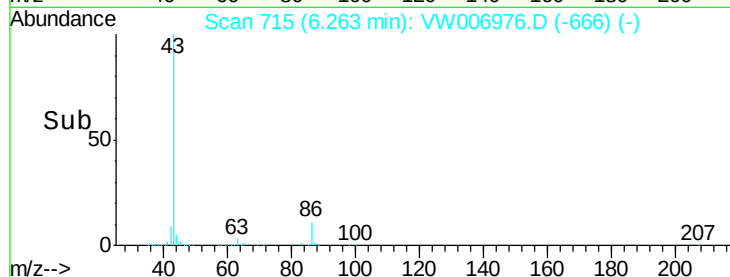
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.48 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

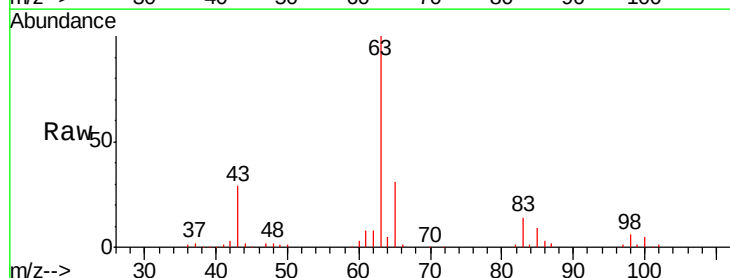
Tgt Ion: 63 Resp: 102689

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.6 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

40000

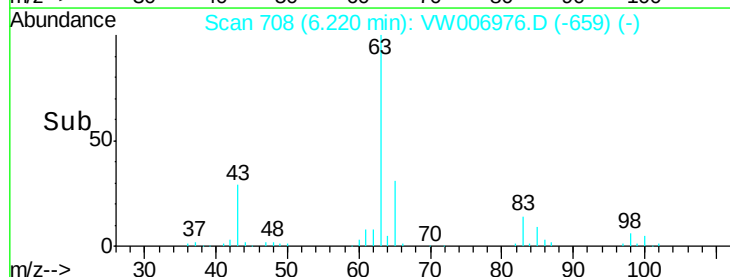
30000

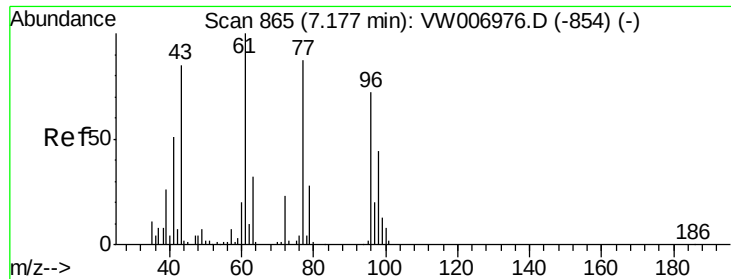
20000

10000

0

Time-->





#25

2-Butanone

Concen: 257.12 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 73081

Ion Ratio Lower Upper

43 100

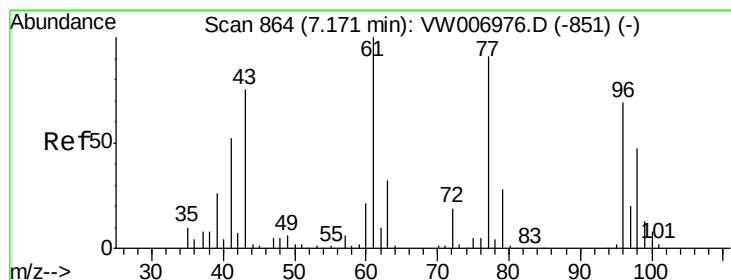
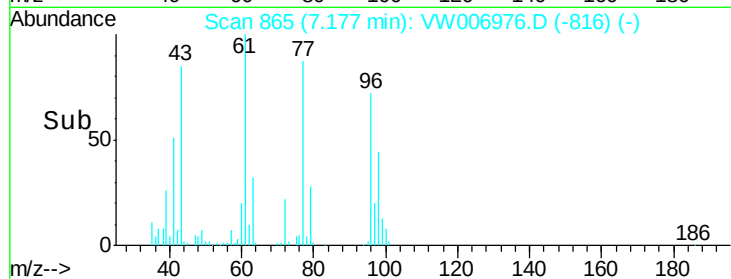
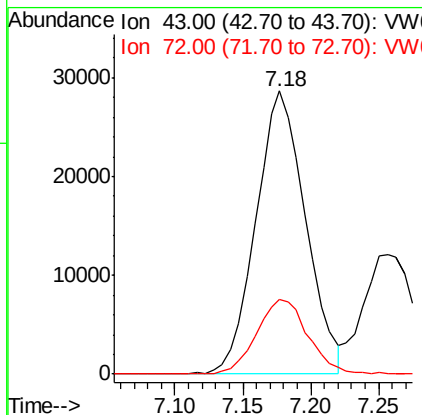
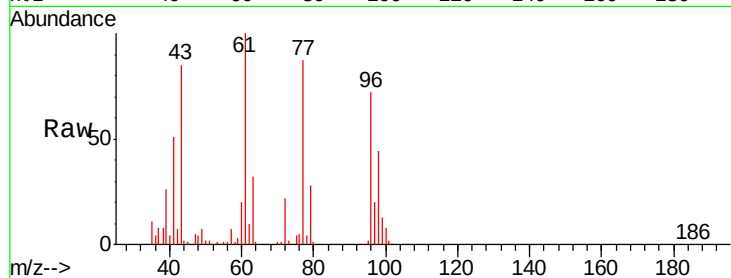
72 26.6 21.3 31.9

Manual Integrations

APPROVED

MMDadoda

11/21/2018 11:32:34 AM



#26

2,2-Dichloropropane

Concen: 48.34 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006976.D

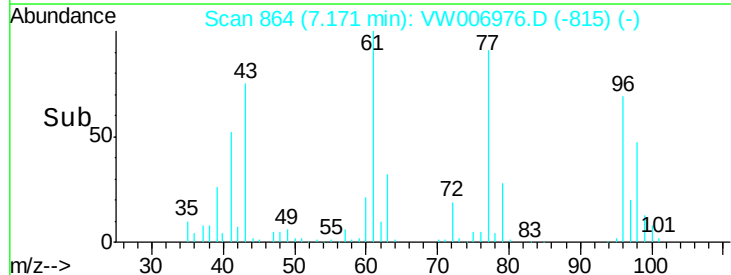
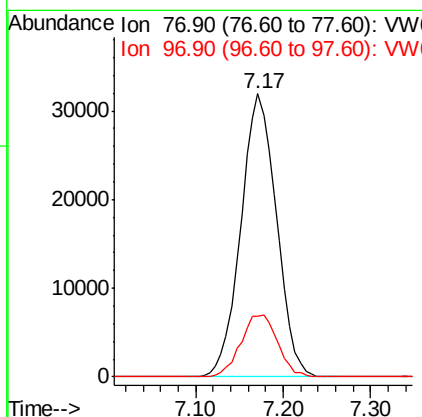
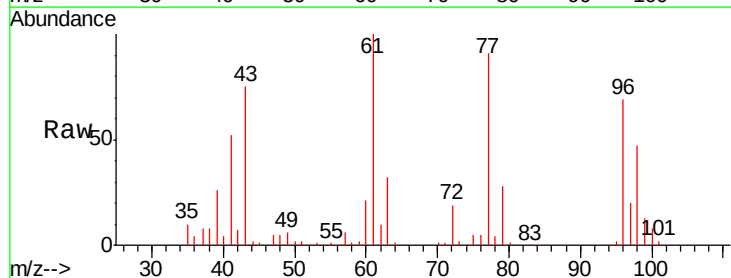
Acq: 20 Nov 2018 15:05

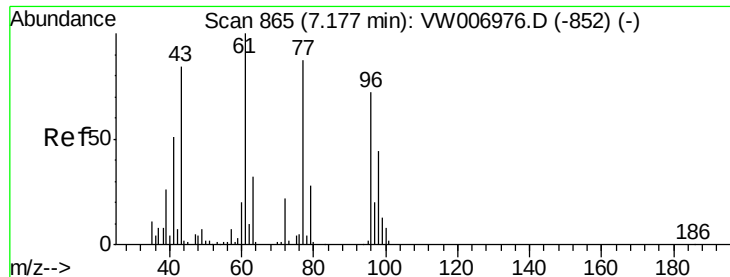
Tgt Ion: 77 Resp: 90223

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 49.77 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

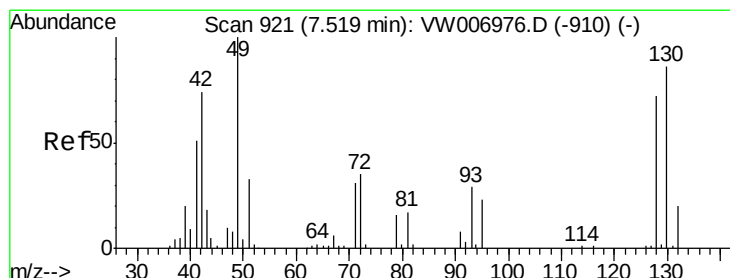
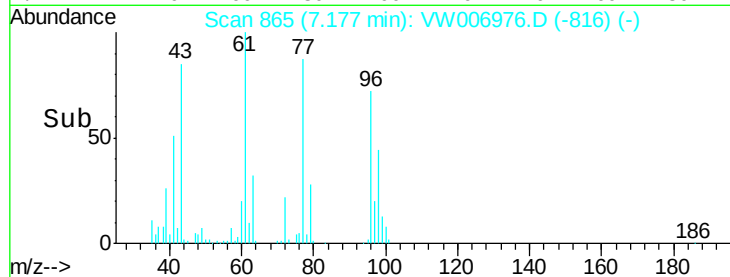
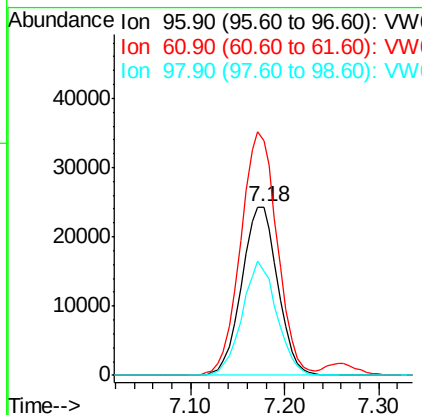
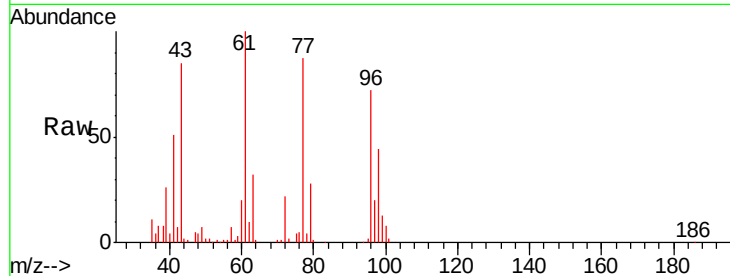
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	65246
Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	292.6
98	64.9	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



#28

Bromochloromethane

Concen: 50.30 ug/l

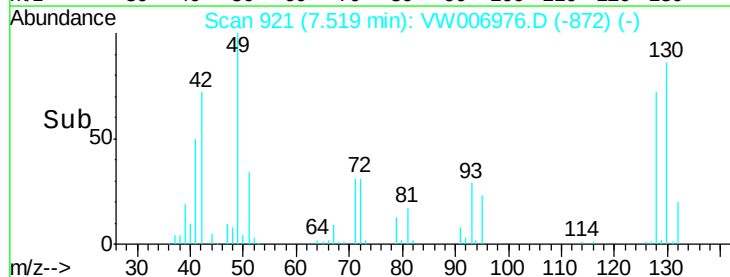
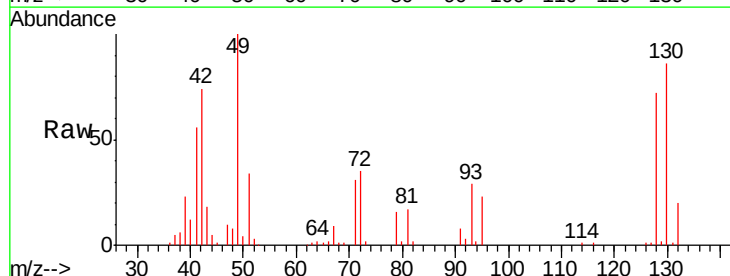
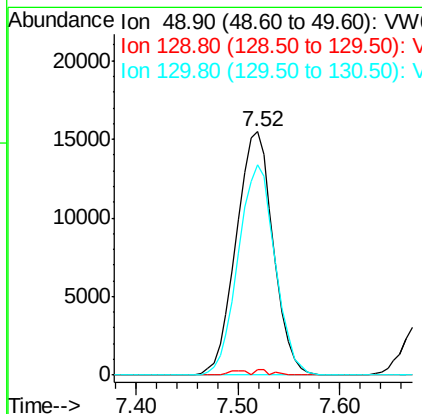
RT: 7.52 min Scan# 921

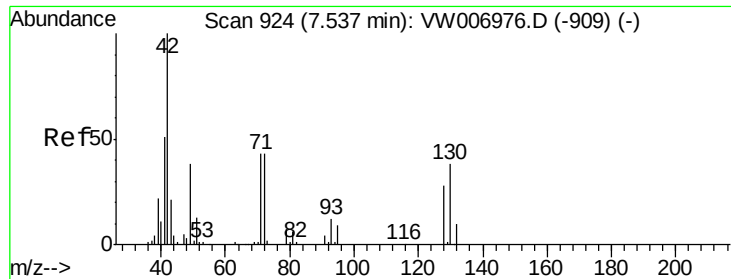
Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Tgt Ion:	49	Resp:	39020
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	86.2	69.0	103.4





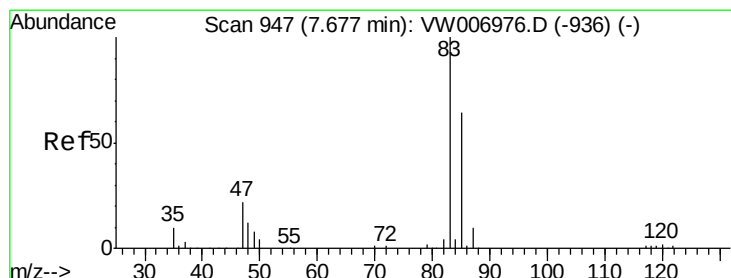
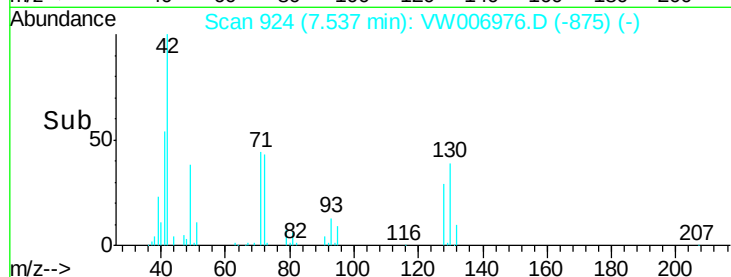
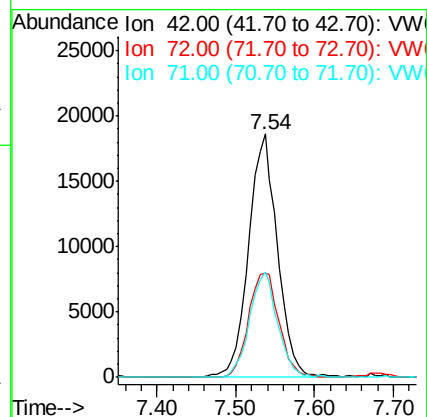
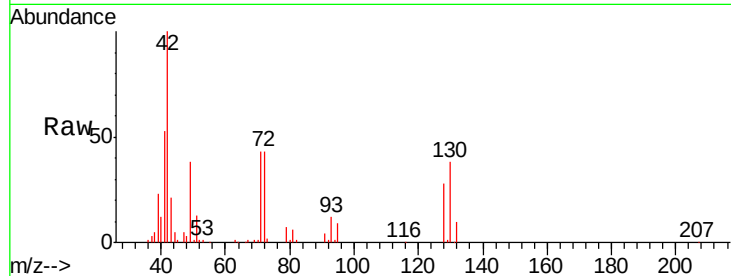
#29
Tetrahydrofuran
Concen: 257.23 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.2	54.4
71	42.3	33.8	50.8

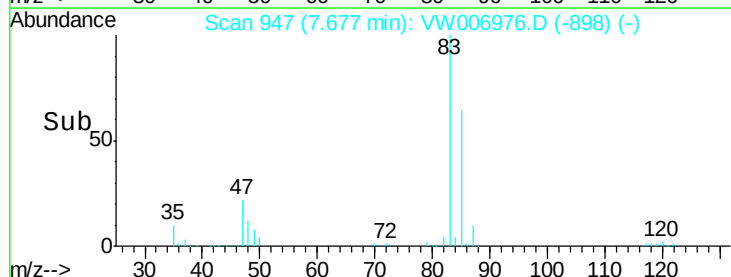
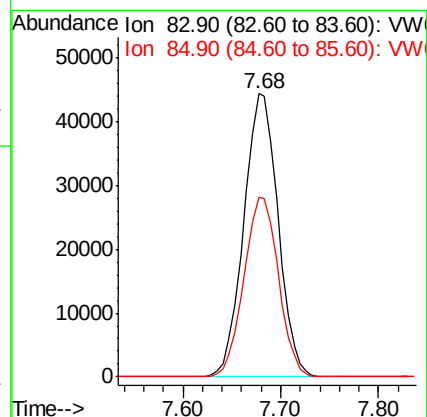
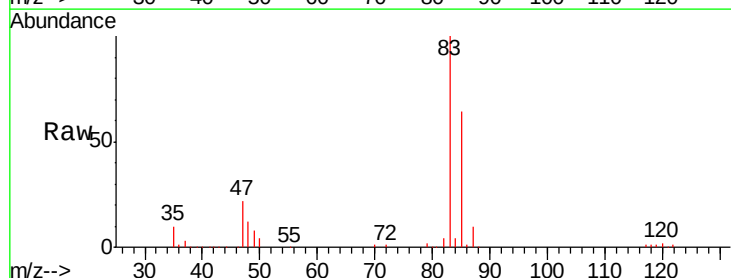
Manual Integrations
APPROVED

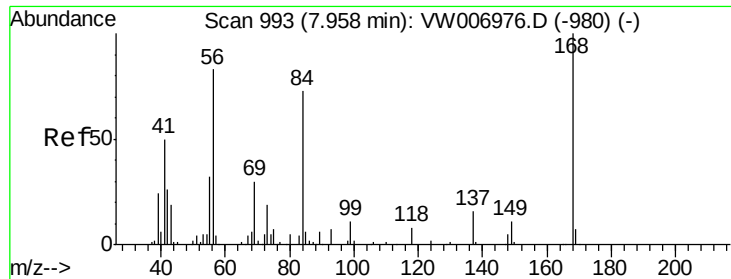
MMDadoda
11/21/2018 11:32:34 AM



#30
Chloroform
Concen: 48.87 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3





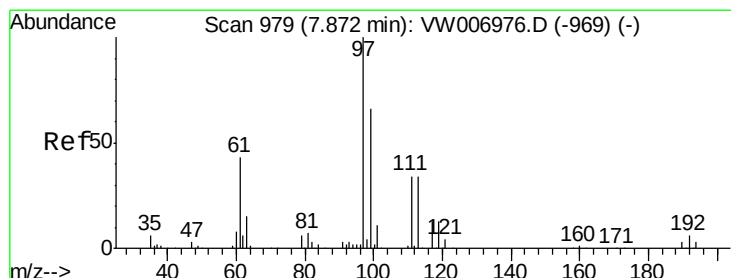
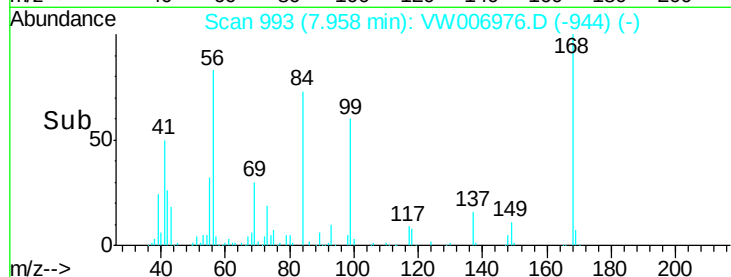
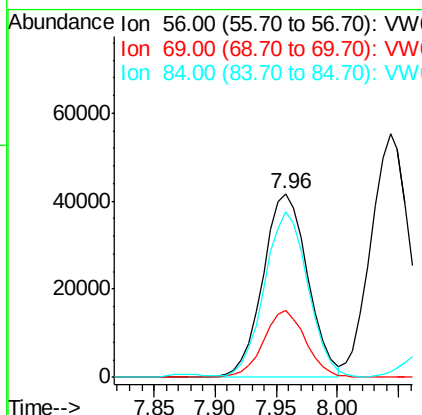
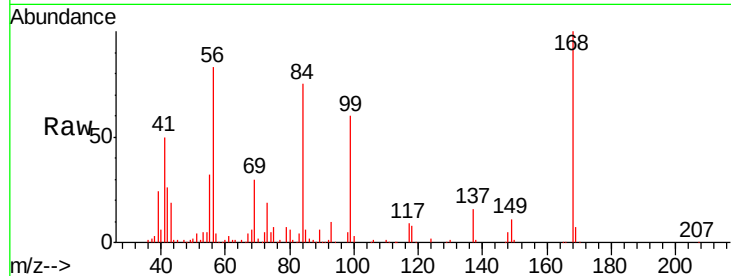
#31
Cyclohexane
Concen: 48.16 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.4	29.1	43.7
84	88.2	70.6	105.8

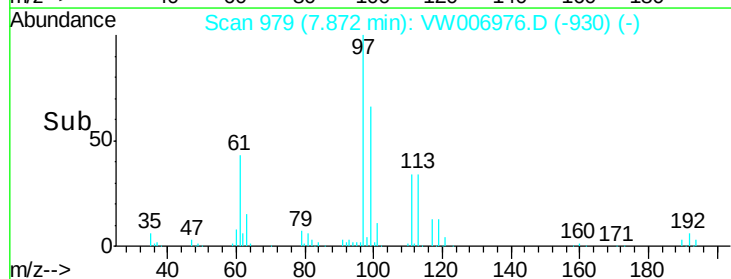
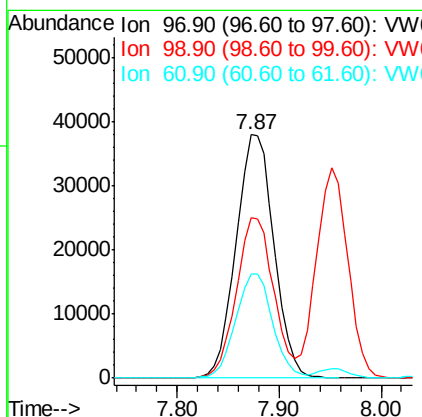
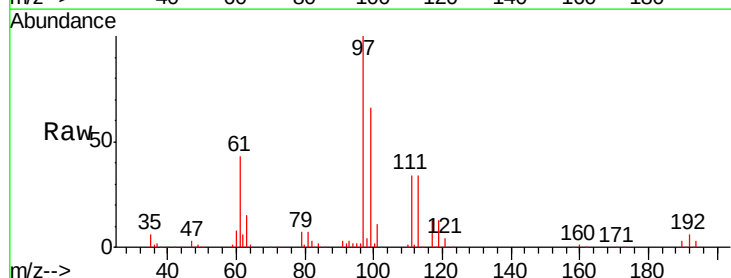
Manual Integrations
APPROVED

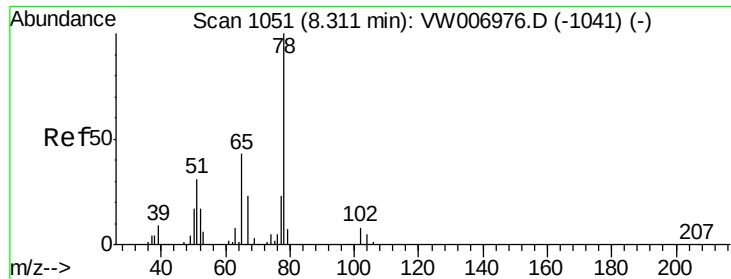
MMDadoda
11/21/2018 11:32:34 AM



#32
1,1,1-Trichloroethane
Concen: 49.32 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	41.8	33.4	50.2





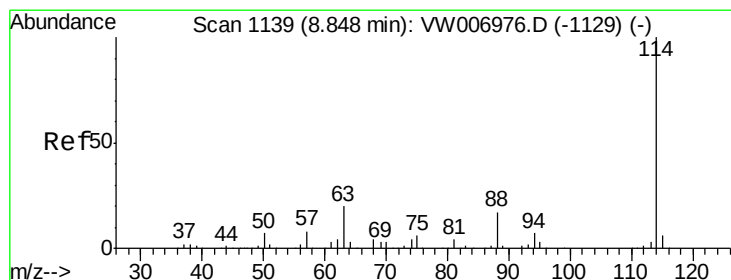
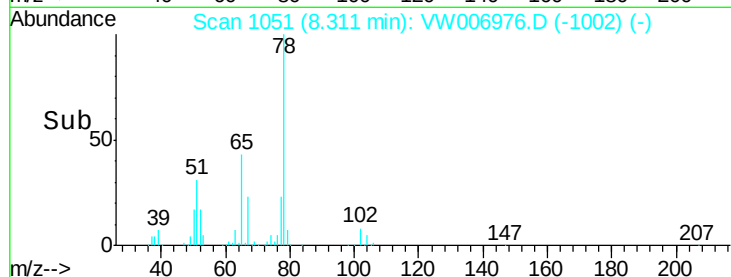
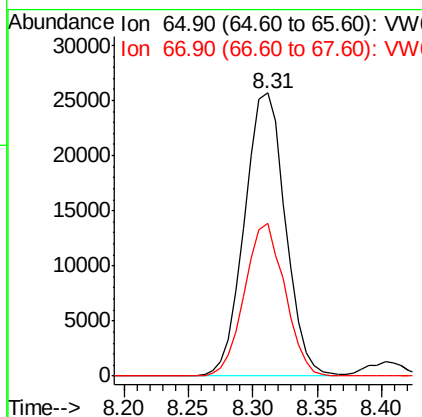
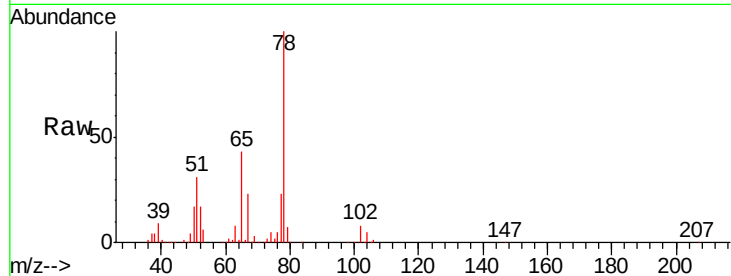
#33
 1,2-Dichloroethane-d4
 Concen: 49.41 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	56475		
67	53.1	0.0	106.2	

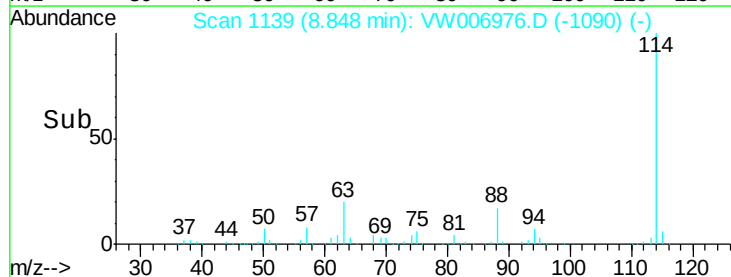
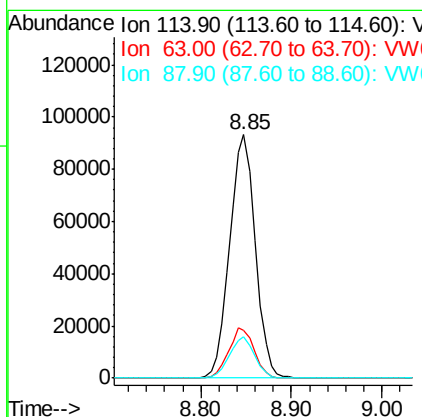
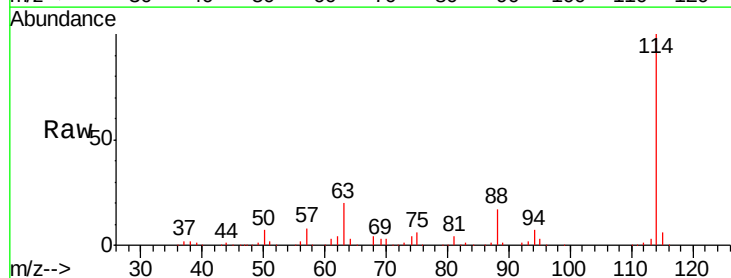
Manual Integrations
 APPROVED

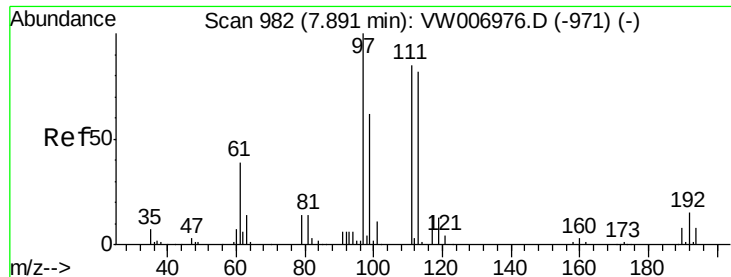
MMDadoda
 11/21/2018 11:32:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	182702		
63	19.7	0.0	39.4	
88	17.1	0.0	34.2	





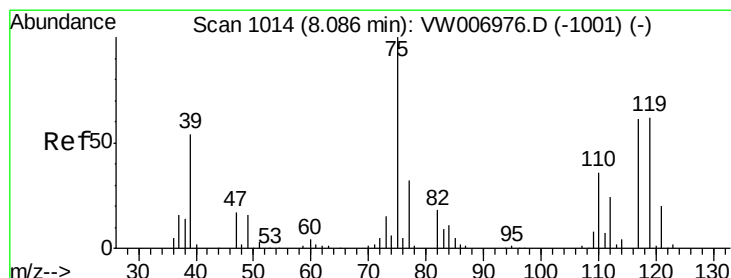
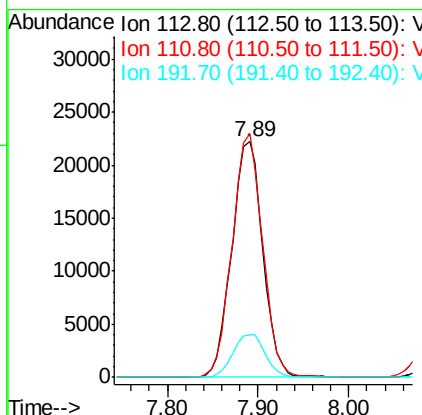
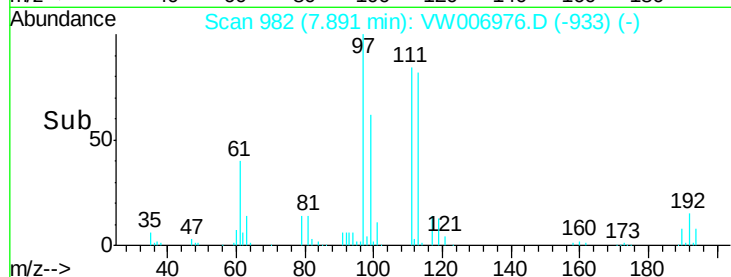
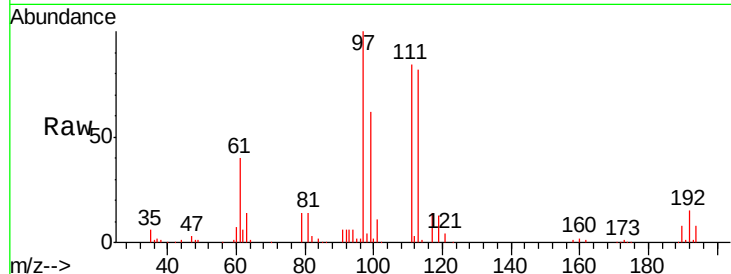
#35
Dibromofluoromethane
Concen: 51.16 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 113 Resp: 52784
Ion Ratio Lower Upper
113 100
111 101.3 81.0 121.6
192 18.8 15.0 22.6

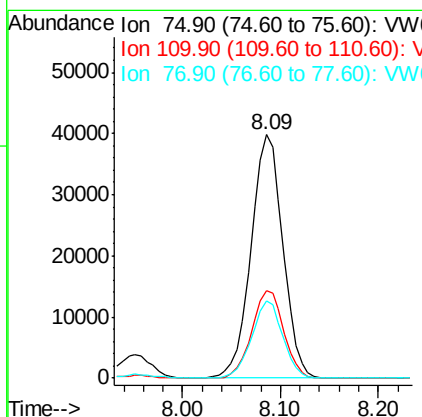
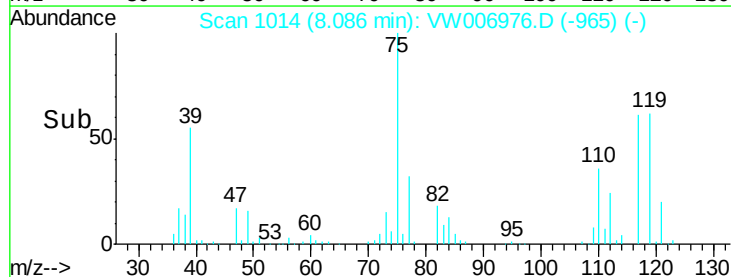
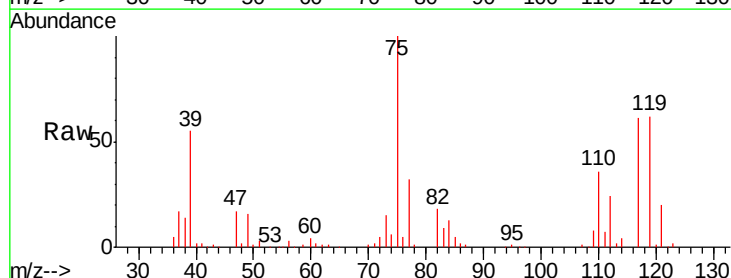
Manual Integrations
APPROVED

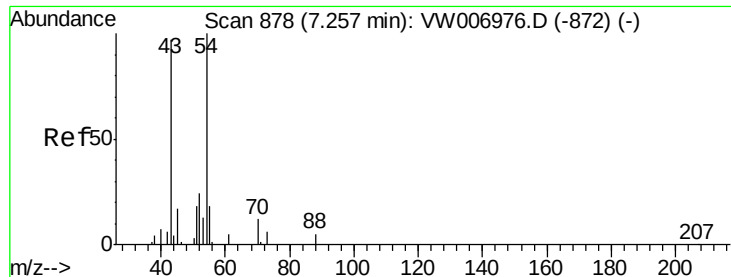
MMDadoda
11/21/2018 11:32:34 AM



#36
1,1-Dichloropropene
Concen: 50.34 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 75 Resp: 89878
Ion Ratio Lower Upper
75 100
110 36.0 18.0 54.0
77 31.1 24.9 37.3





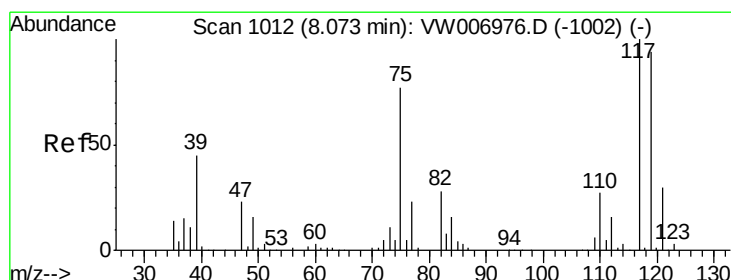
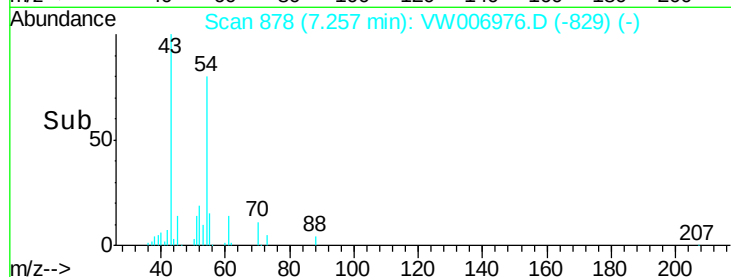
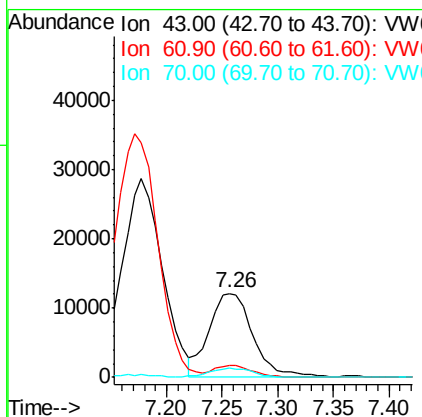
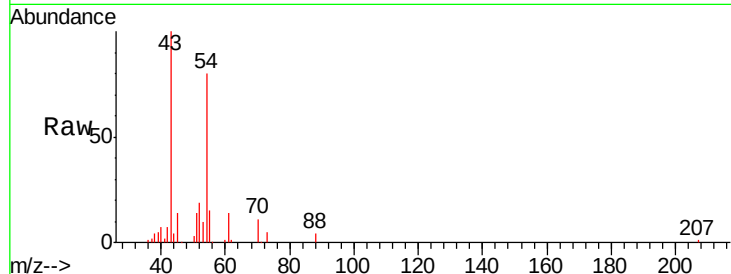
#37
Ethyl Acetate
Concen: 50.30 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 32542
Ion Ratio Lower Upper
43 100
61 13.0 10.4 15.6
70 11.0 8.8 13.2

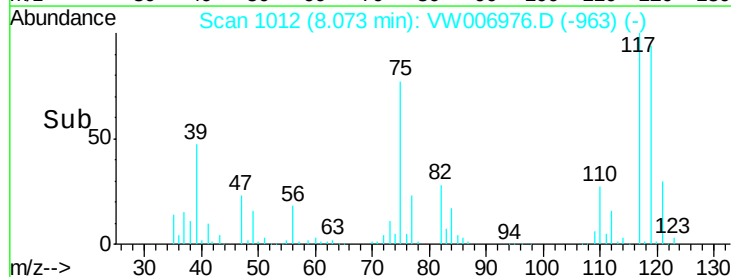
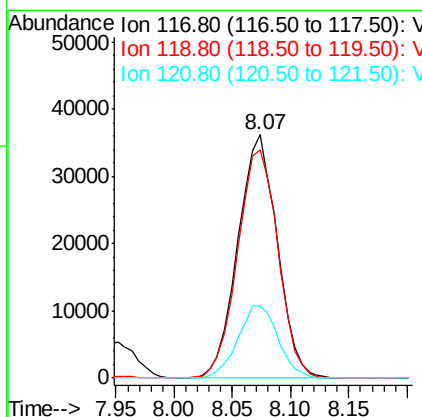
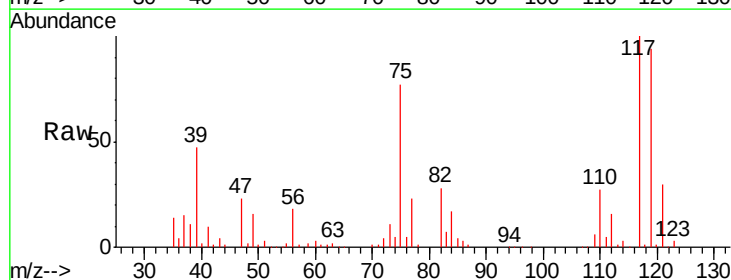
Manual Integrations
APPROVED

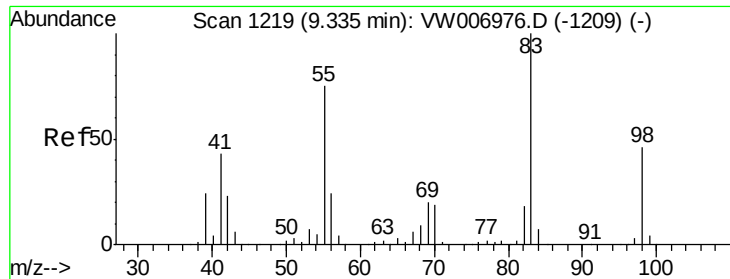
MMDadoda
11/21/2018 11:32:34 AM



#38
Carbon Tetrachloride
Concen: 50.07 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 117 Resp: 85600
Ion Ratio Lower Upper
117 100
119 93.6 74.9 112.3
121 29.5 23.6 35.4





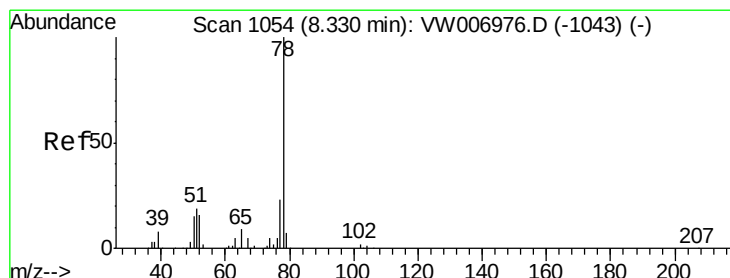
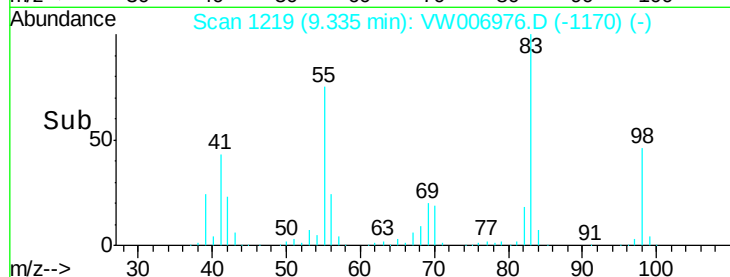
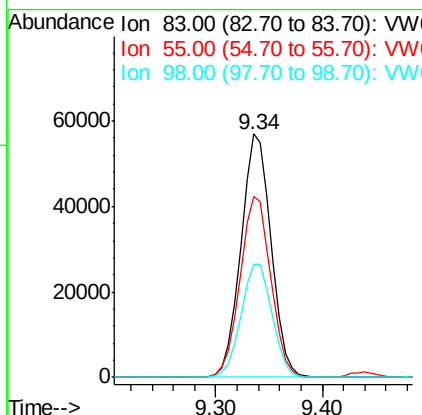
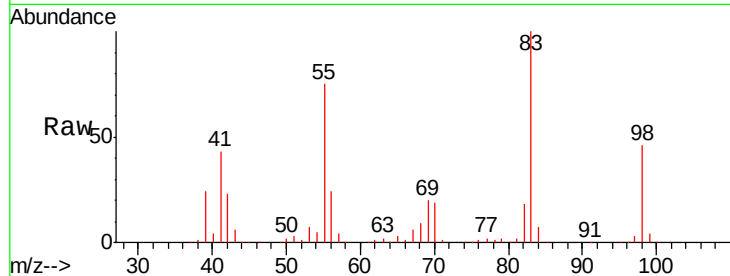
#39
Methylcyclohexane
Concen: 50.81 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.5	59.6	89.4
98	46.4	37.1	55.7

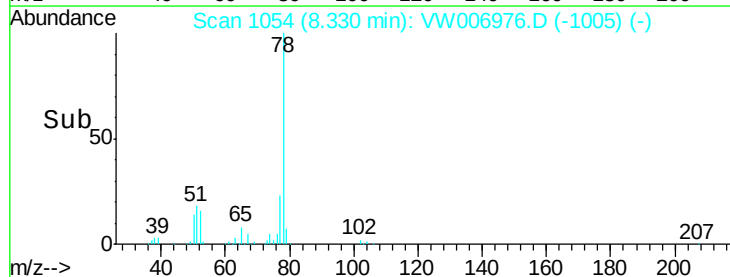
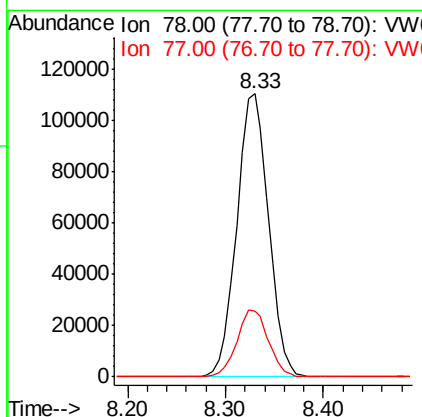
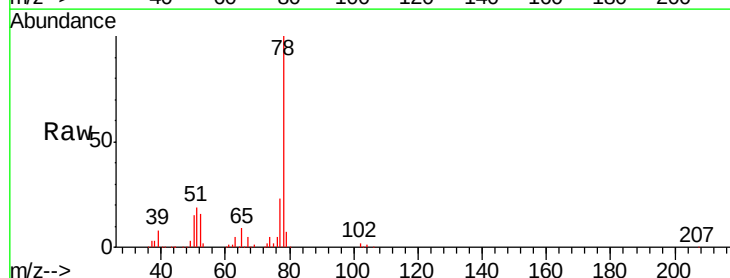
Manual Integrations
APPROVED

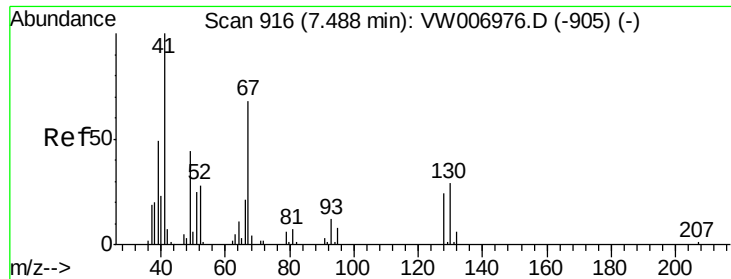
MMDadoda
11/21/2018 11:32:34 AM



#40
Benzene
Concen: 51.48 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





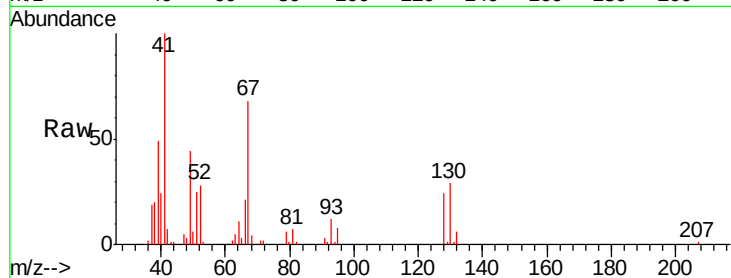
#41
Methacrylonitrile
Concen: 50.27 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.8	48.6	73.0
67	74.8	59.8	89.8
52	31.0	24.8	37.2

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



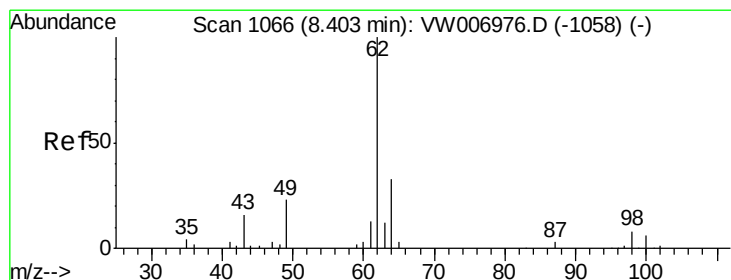
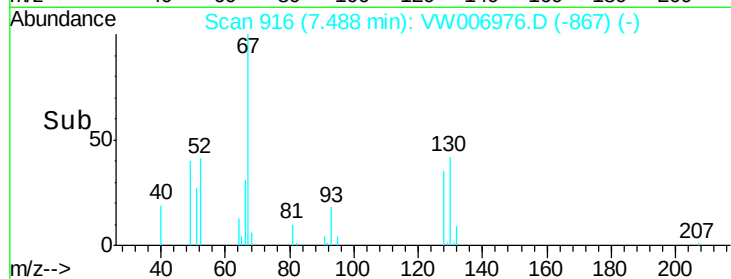
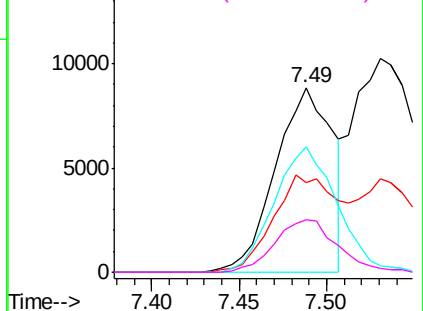
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

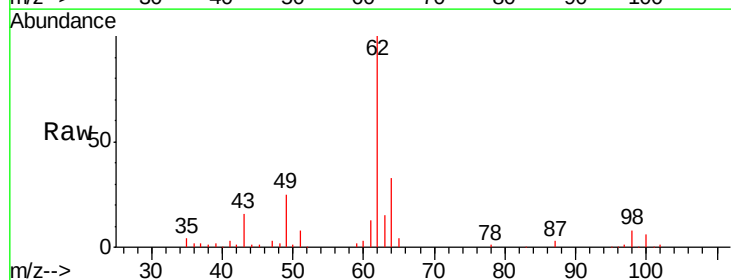
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 49.43 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

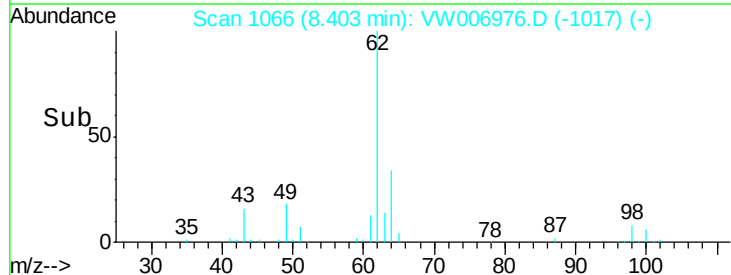
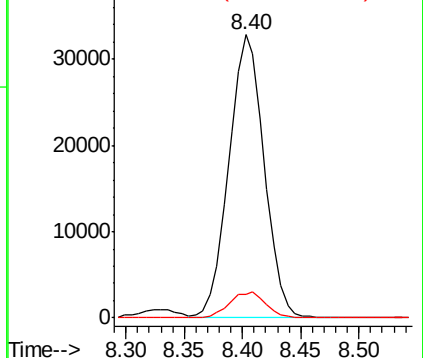
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6

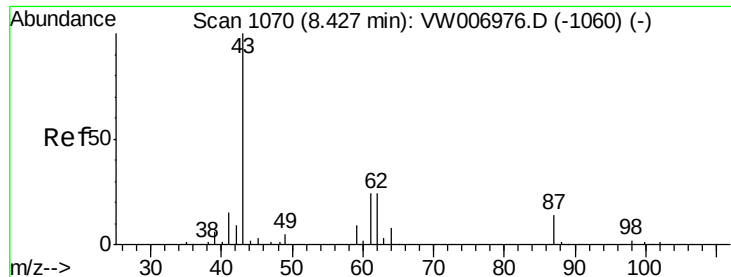


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 51.57 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

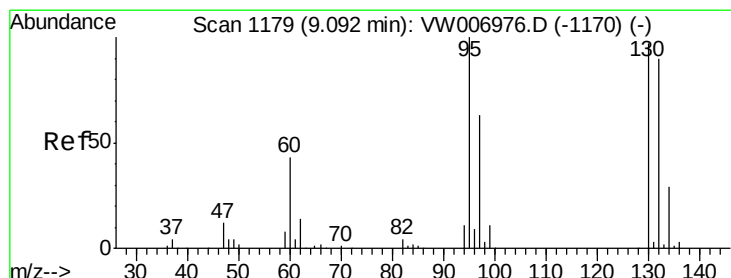
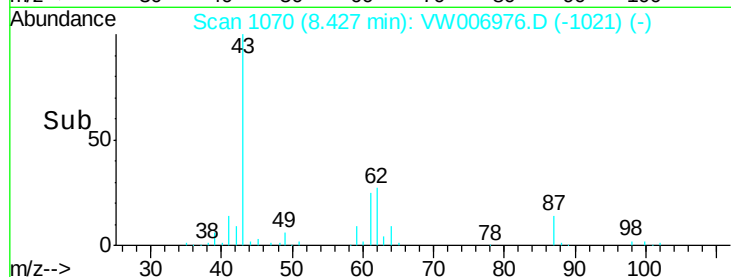
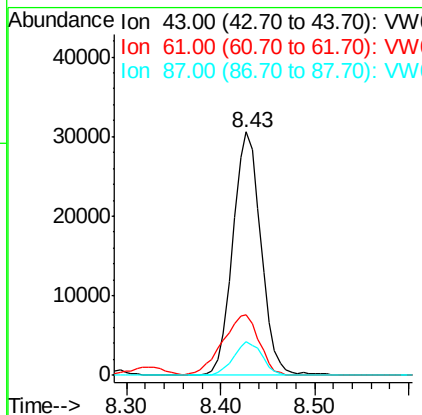
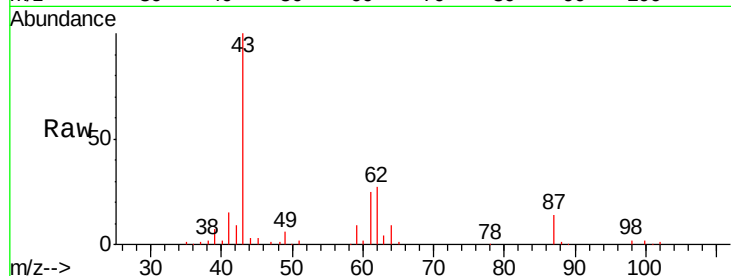
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	63576
Ion	Ratio	Lower	Upper
43	100		
61	32.6	26.1	39.1
87	14.0	11.2	16.8

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



#44

Trichloroethene

Concen: 50.84 ug/l

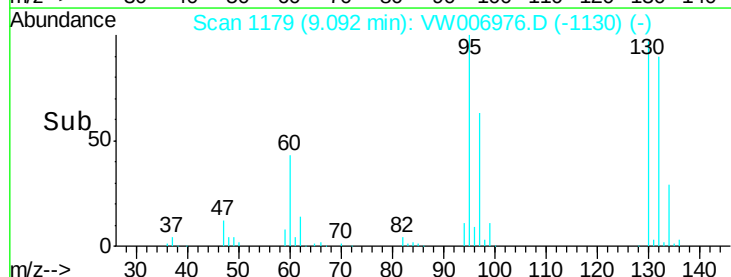
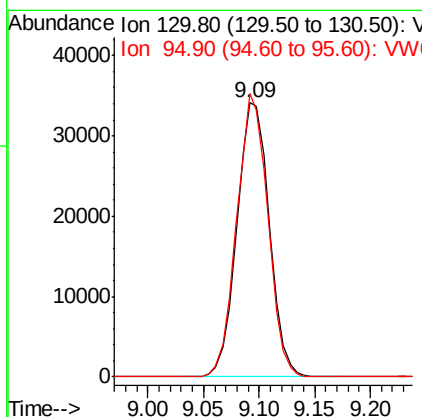
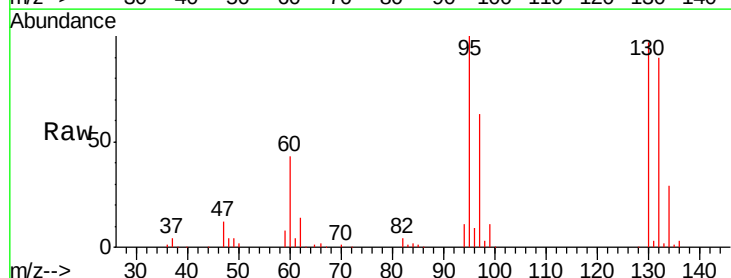
RT: 9.09 min Scan# 1179

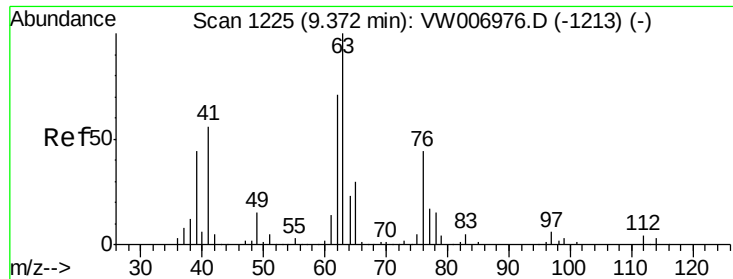
Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Tgt Ion:	130	Resp:	68690
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	206.4





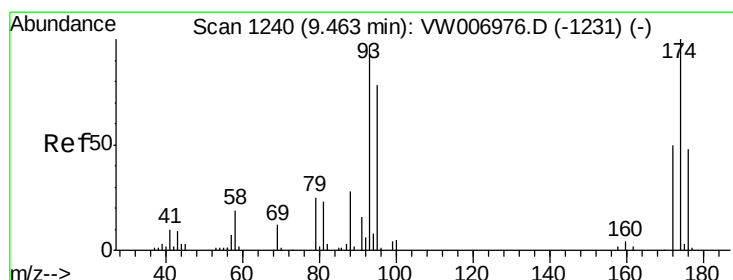
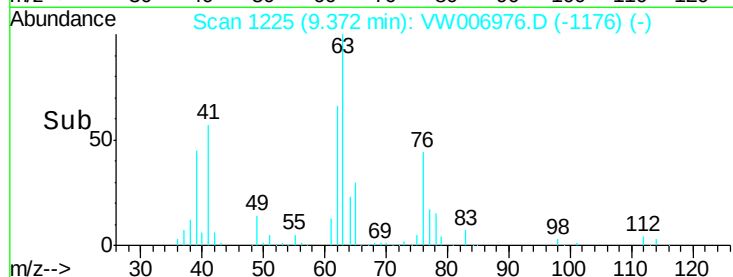
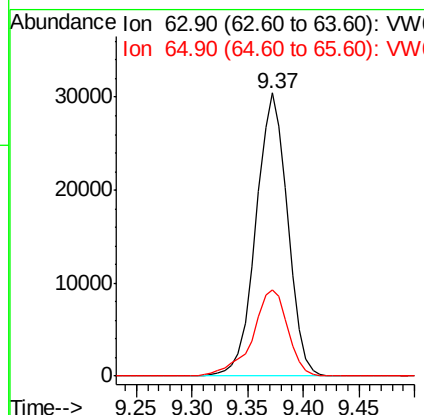
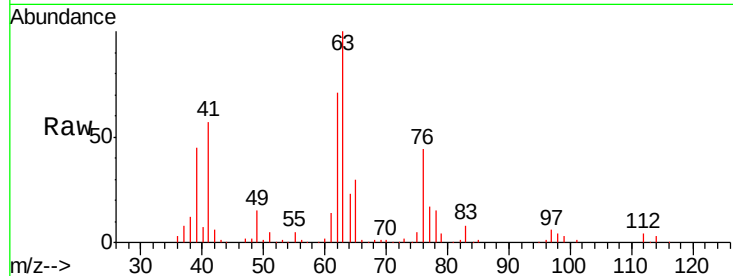
#45
 1,2-Dichloropropane
 Concen: 50.88 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 60440
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

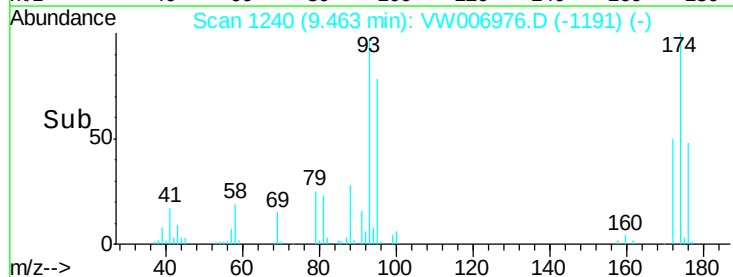
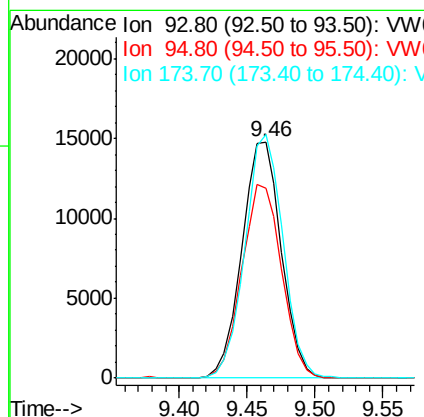
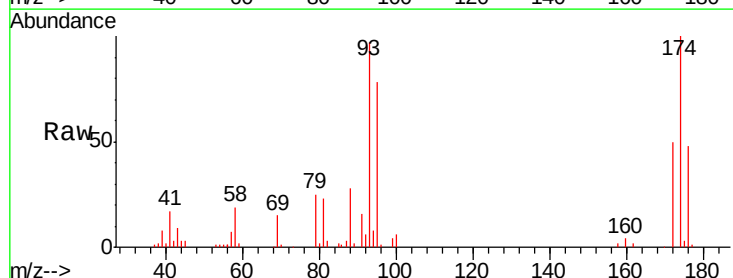
Manual Integrations
 APPROVED

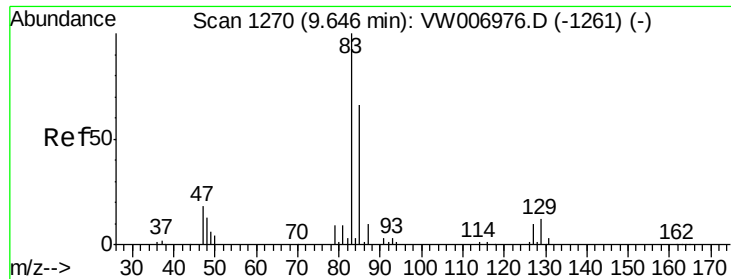
MMDadoda
 11/21/2018 11:32:34 AM



#46
 Dibromomethane
 Concen: 50.45 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion: 93 Resp: 30012
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.1 99.1
 174 99.6 79.7 119.5





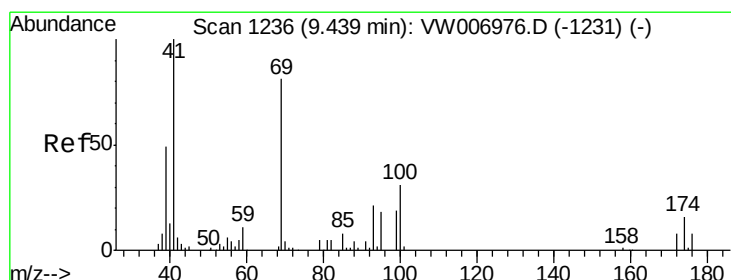
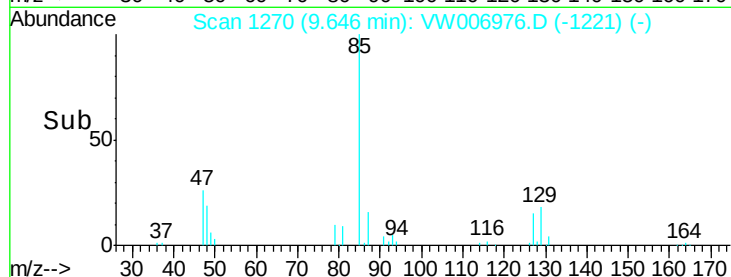
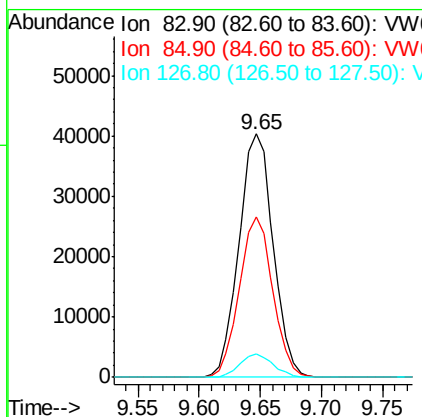
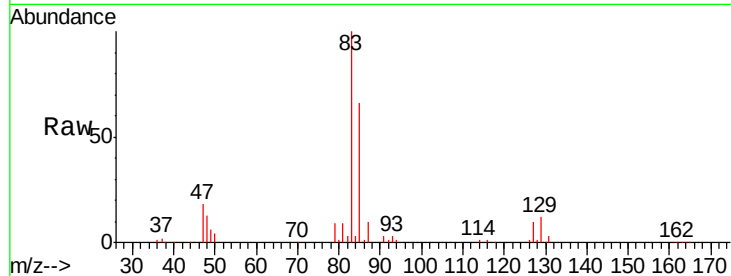
#47
Bromodichloromethane
Concen: 49.87 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.9	79.3
127	9.7	7.8	11.6

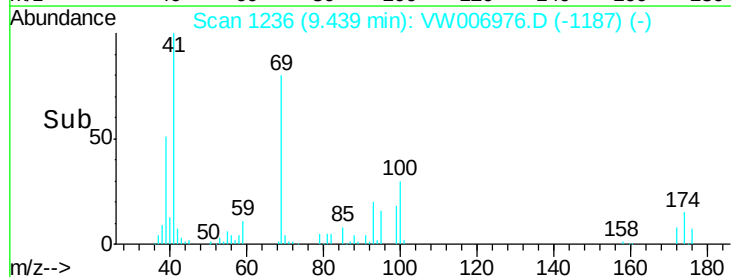
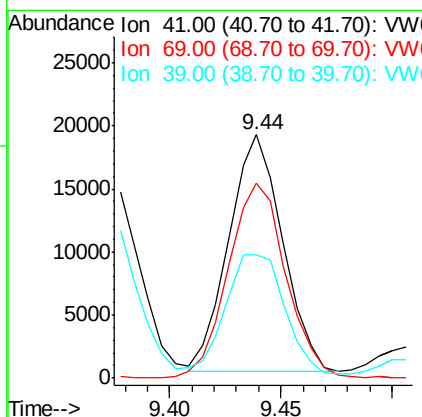
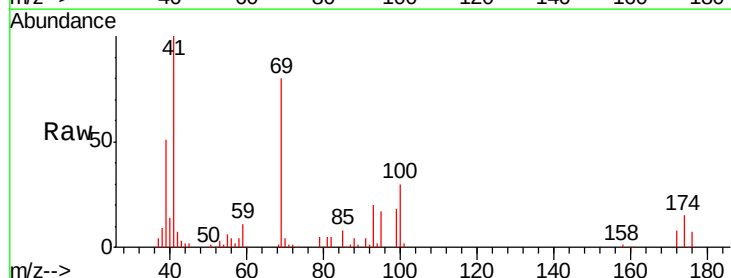
Manual Integrations
APPROVED

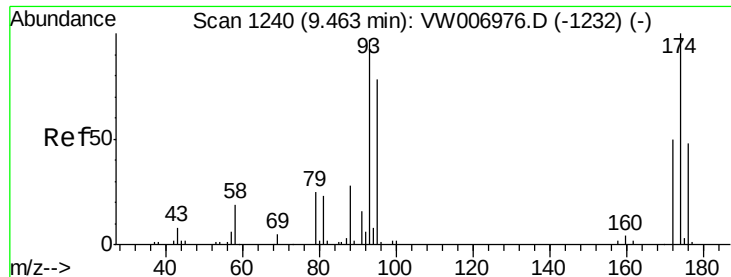
MMDadoda
11/21/2018 11:32:34 AM



#48
Methyl methacrylate
Concen: 52.67 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.2	71.4	107.0
39	56.0	44.8	67.2





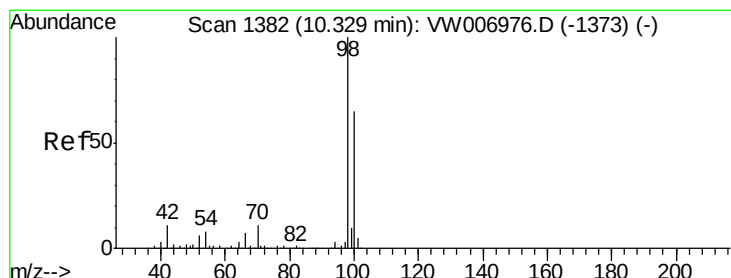
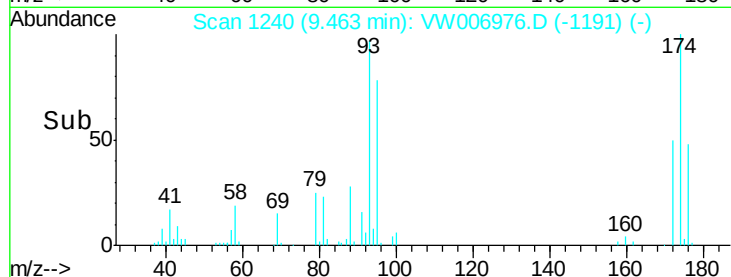
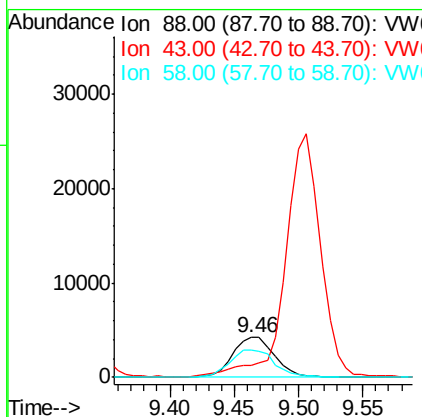
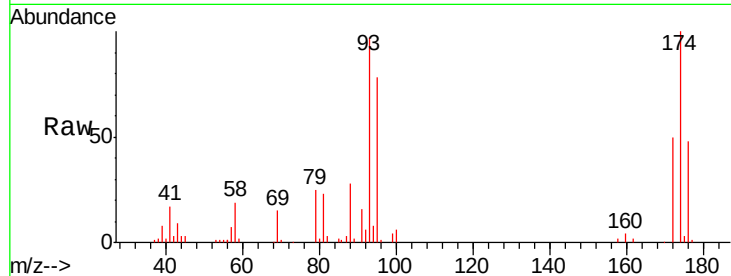
#49
1,4-Dioxane
Concen: 1088.37 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	73.8	59.0	88.6

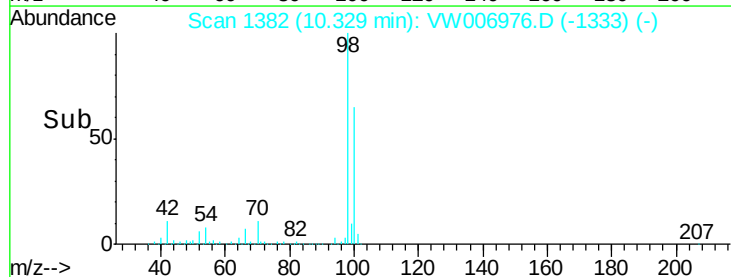
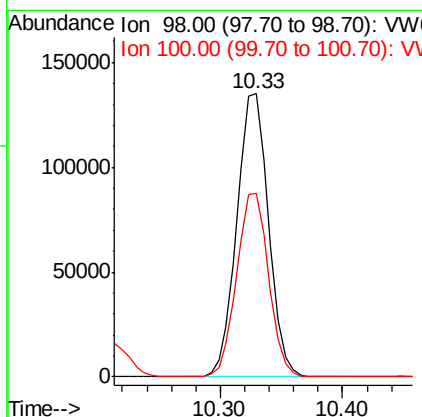
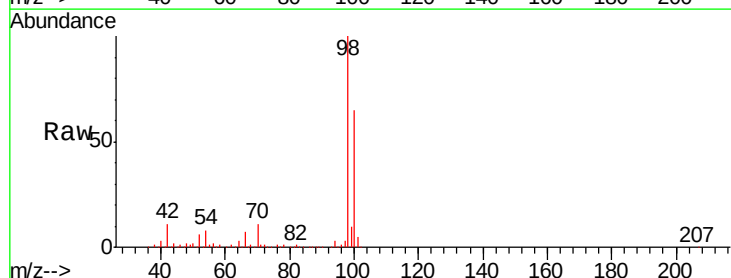
Manual Integrations
APPROVED

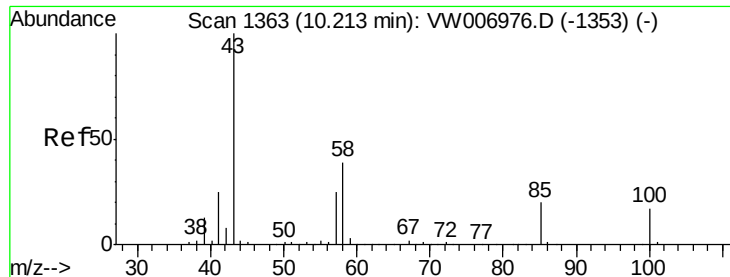
MMDadoda
11/21/2018 11:32:34 AM



#50
Toluene-d8
Concen: 53.16 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





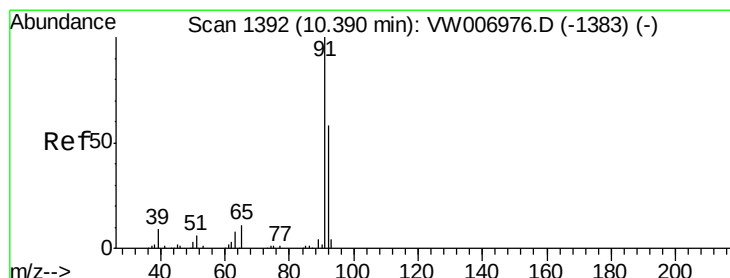
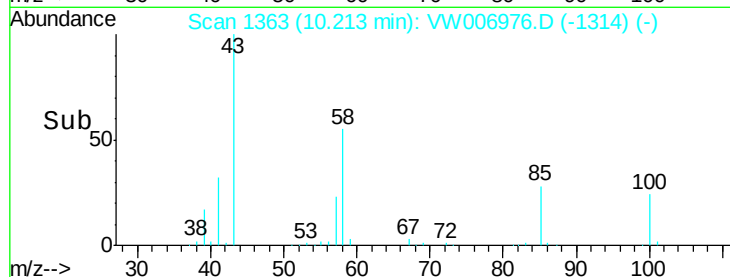
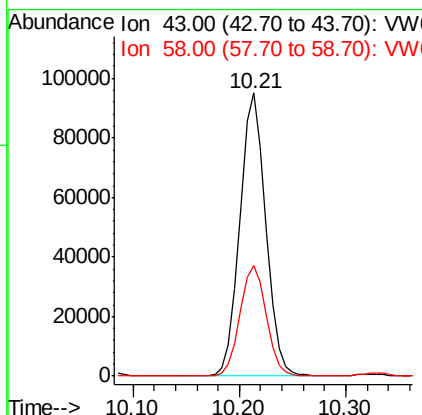
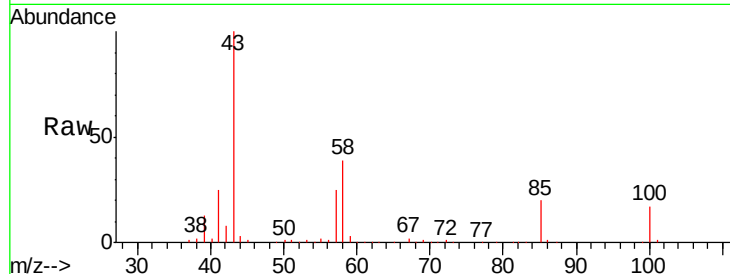
#51
4-Methyl-2-Pentanone
Concen: 261.65 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 163025
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6

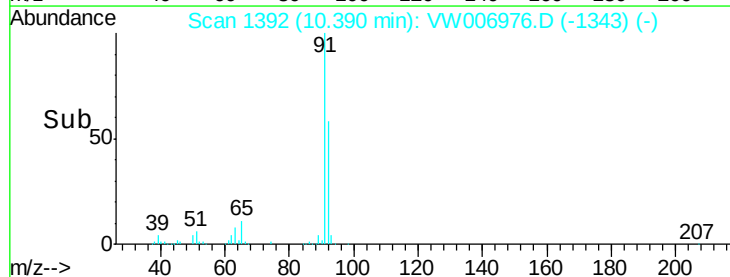
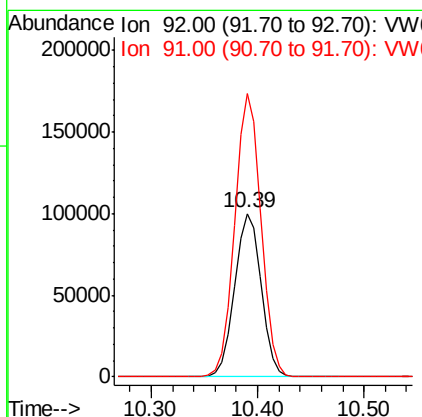
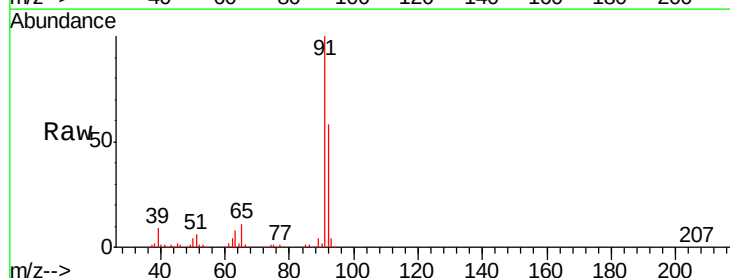
Manual Integrations
APPROVED

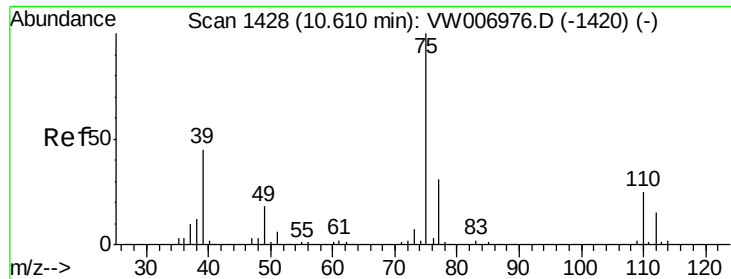
MMDadoda
11/21/2018 11:32:34 AM



#52
Toluene
Concen: 53.21 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 92 Resp: 174510
Ion Ratio Lower Upper
92 100
91 171.6 137.3 205.9





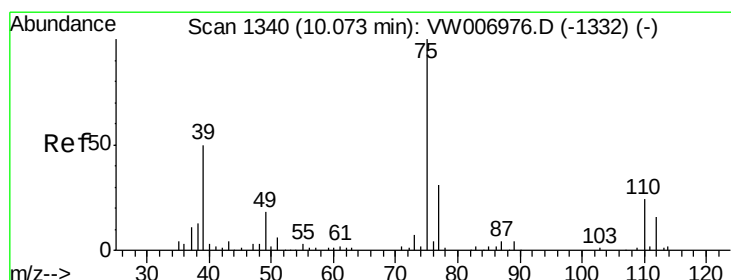
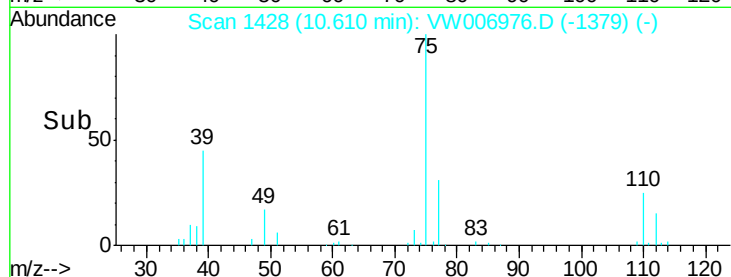
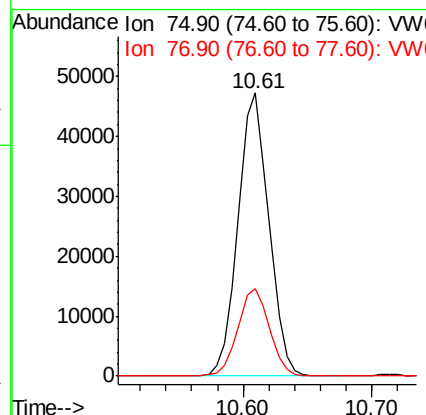
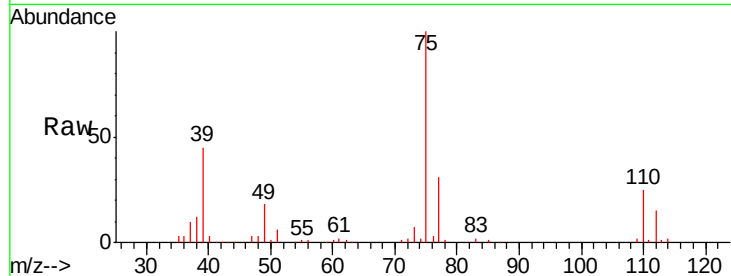
#53
 t-1,3-Dichloropropene
 Concen: 51.65 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 75 Resp: 78428
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.7 37.1

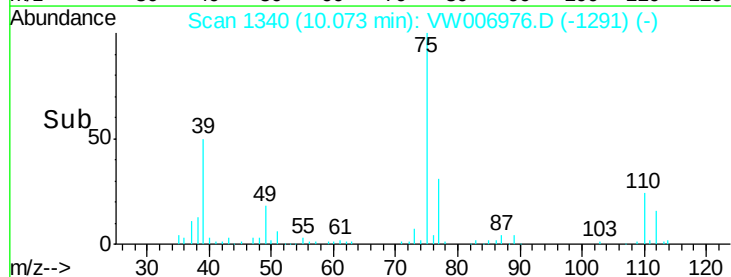
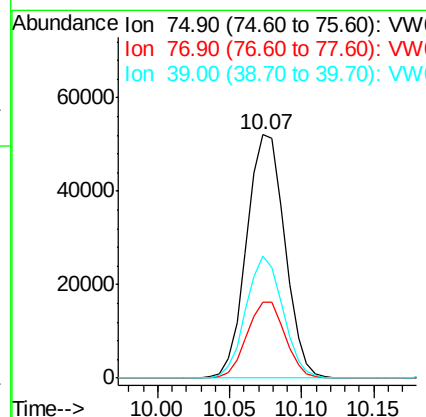
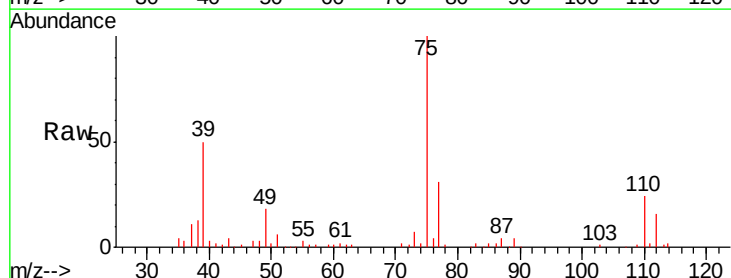
Manual Integrations
 APPROVED

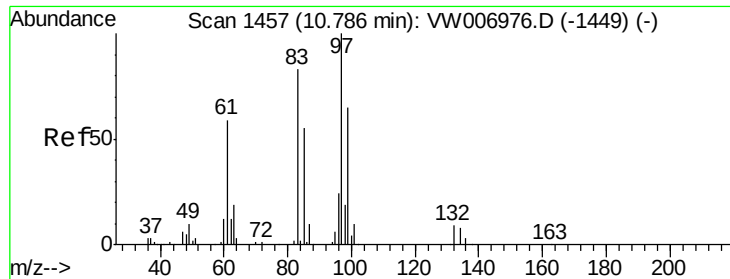
MMDadoda
 11/21/2018 11:32:34 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.11 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion: 75 Resp: 95590
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 49.9 39.9 59.9





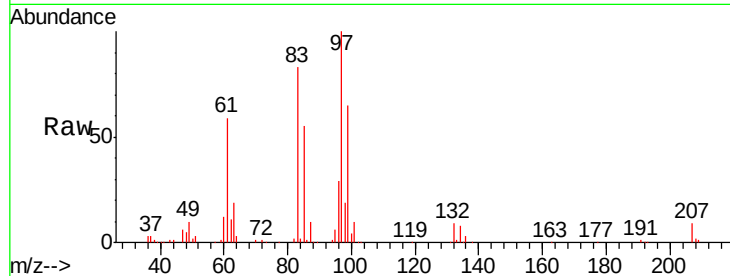
#55
 1,1,2-Trichloroethane
 Concen: 50.10 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

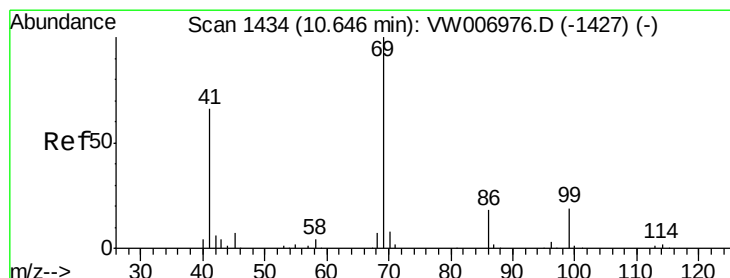
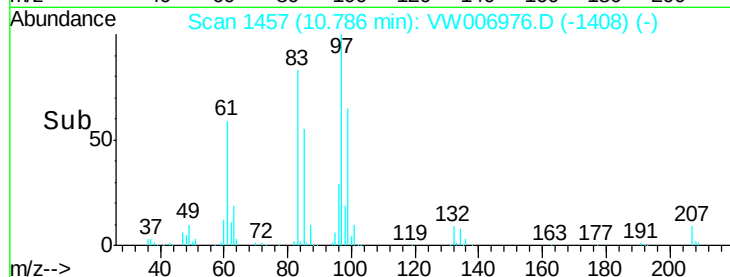
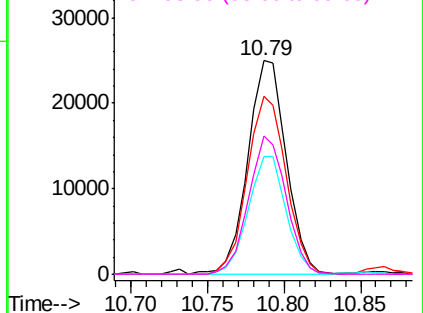
Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.4	99.6
85	55.1	44.1	66.1
99	64.6	51.7	77.5

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 11:32:34 AM

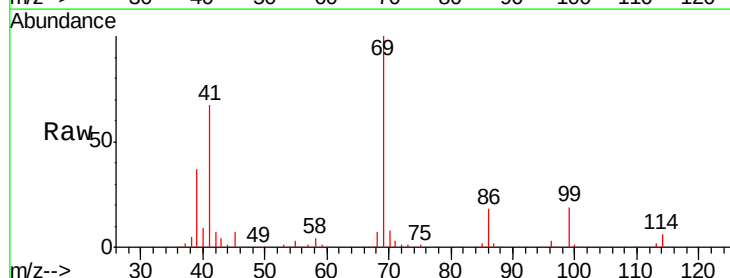


Abundance Ion 96.90 (96.60 to 97.60): VW

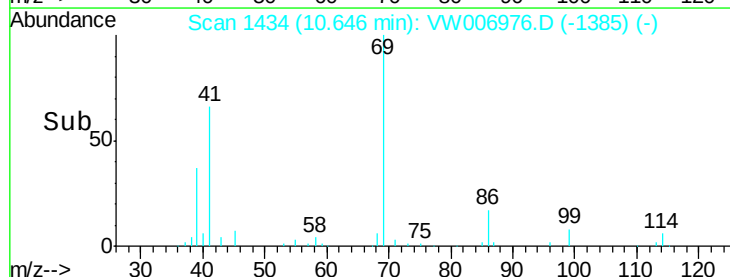
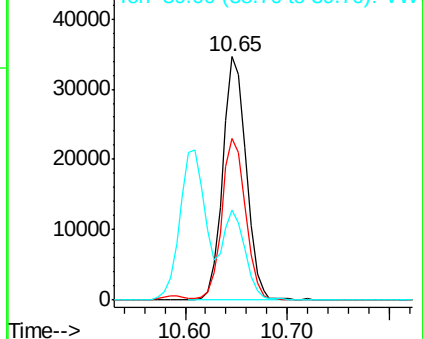


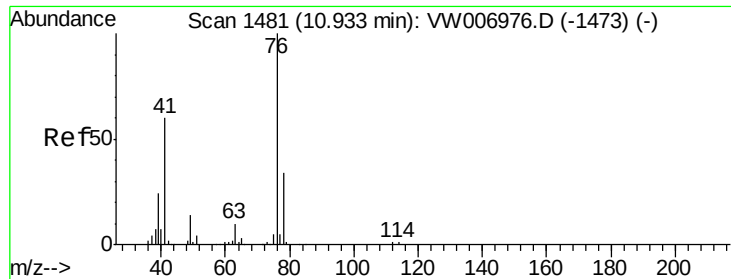
#56
 Ethyl methacrylate
 Concen: 54.37 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.4	80.0
39	35.3	28.2	42.4



Abundance Ion 69.00 (68.70 to 69.70): VW





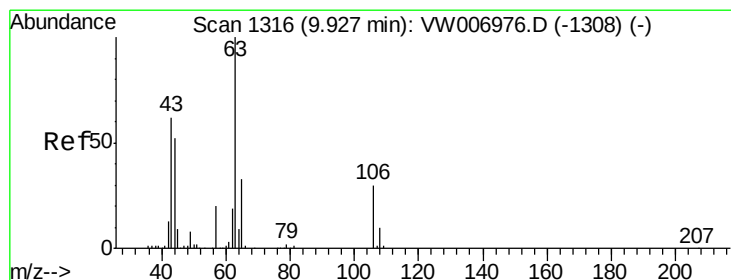
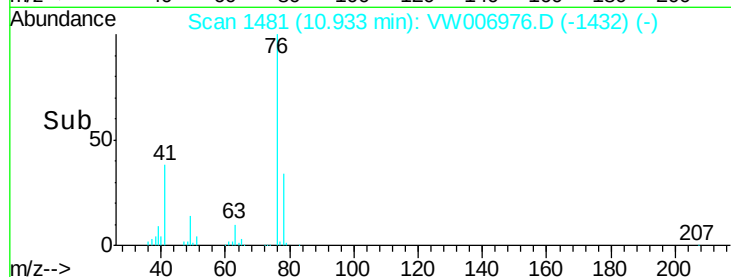
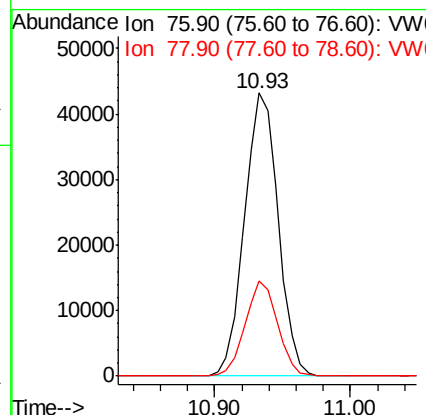
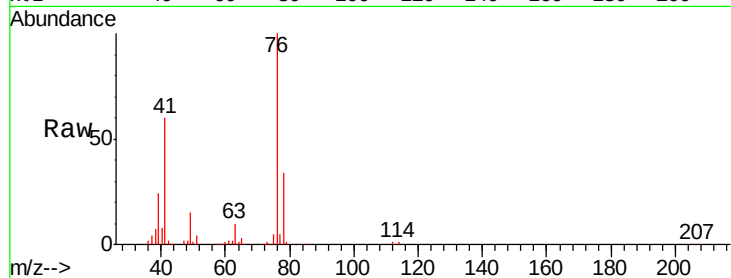
#57
 1,3-Dichloropropane
 Concen: 51.08 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 74920
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

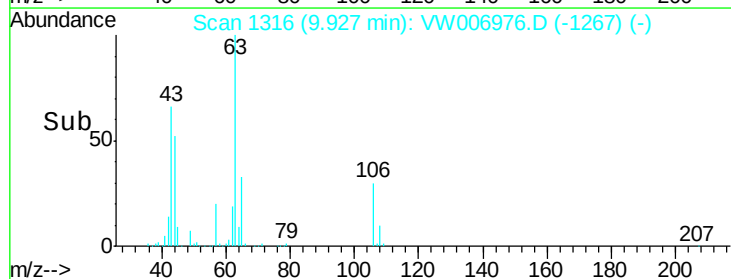
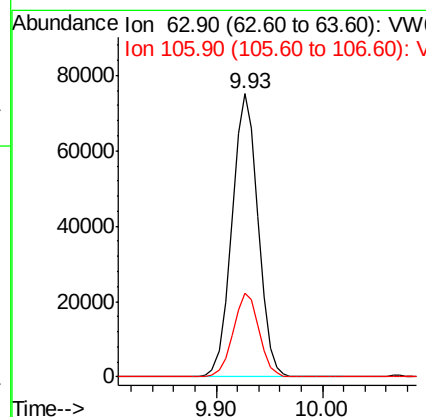
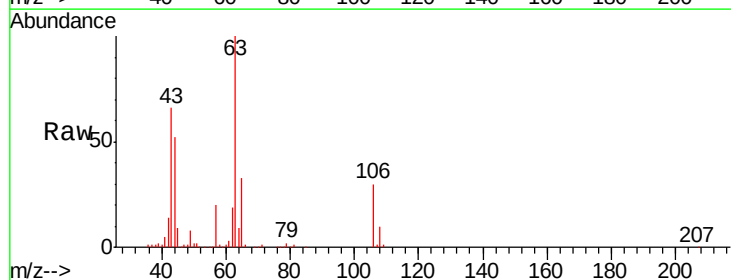
Manual Integrations
 APPROVED

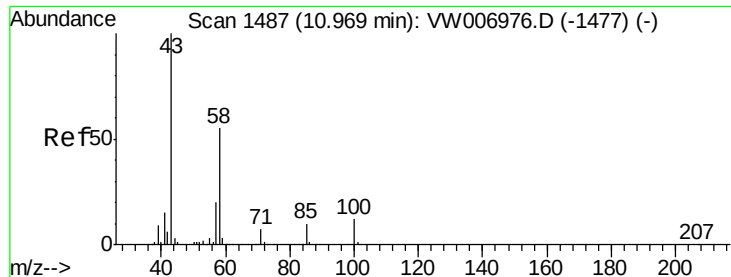
MMDadoda
 11/21/2018 11:32:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.88 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion: 63 Resp: 128950
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.5 35.3





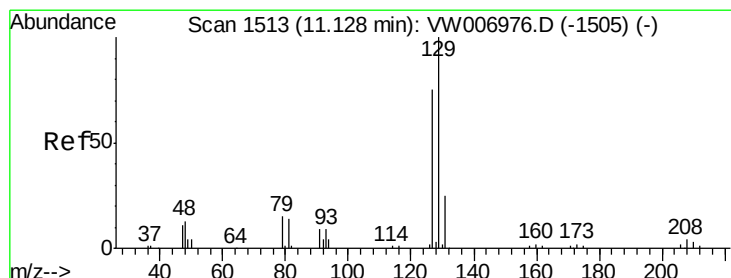
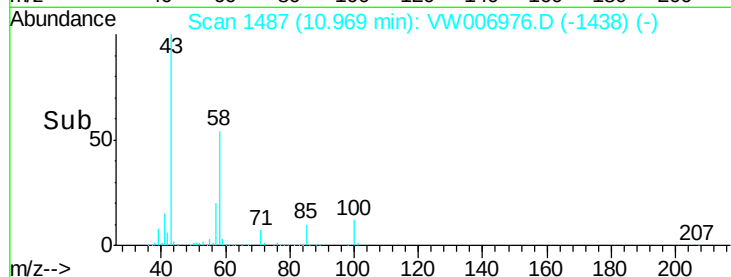
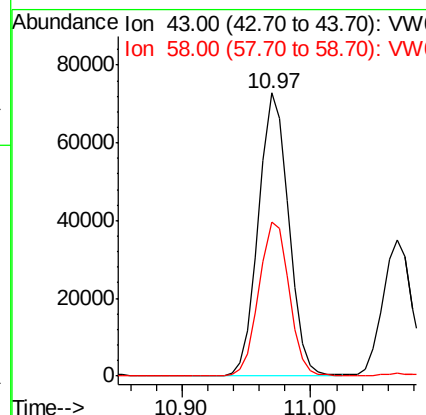
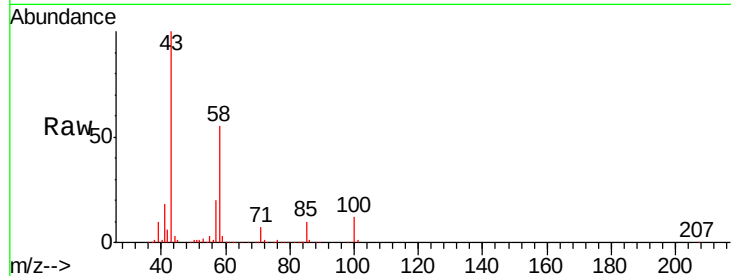
#59
2-Hexanone
Concen: 277.10 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 118231
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8

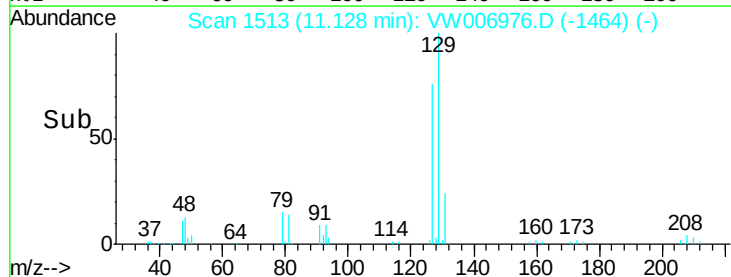
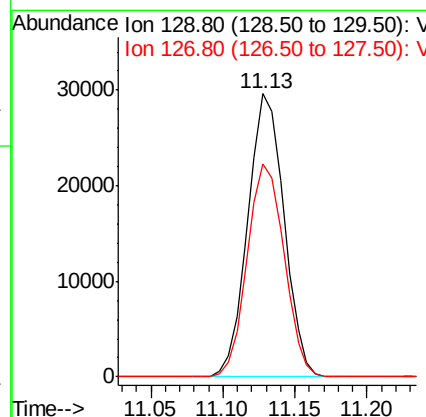
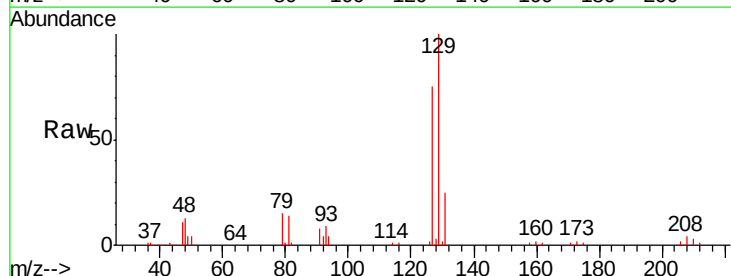
Manual Integrations
APPROVED

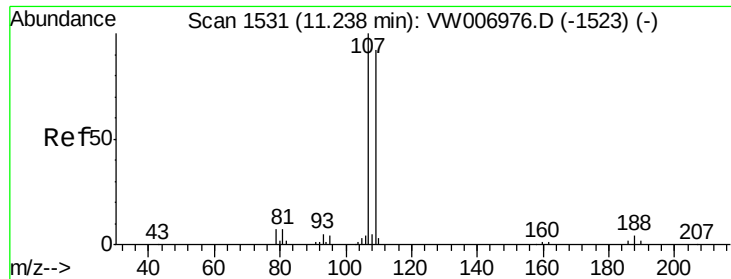
MMDadoda
11/21/2018 11:32:34 AM



#60
Dibromochloromethane
Concen: 51.80 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 129 Resp: 51661
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





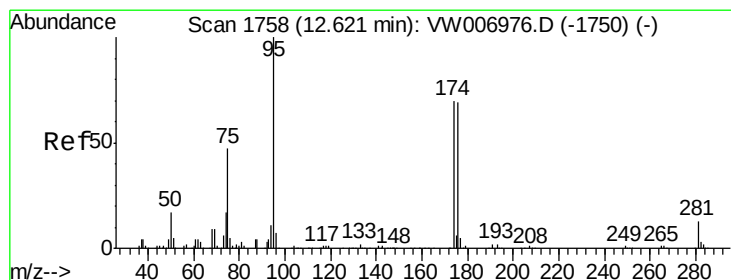
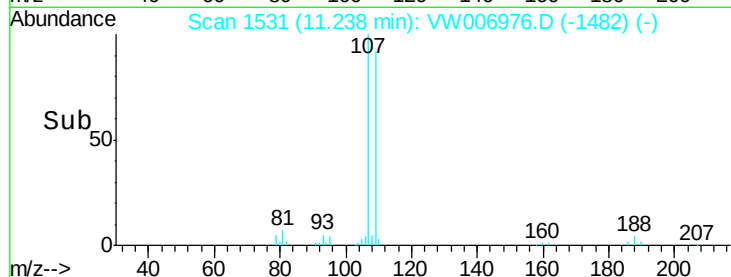
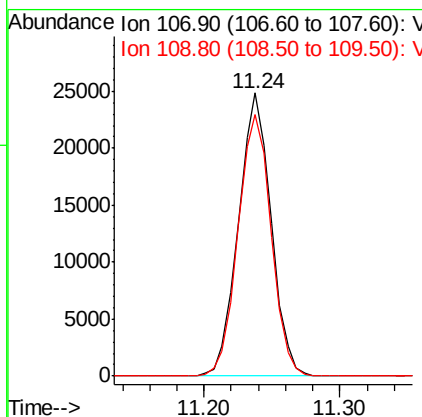
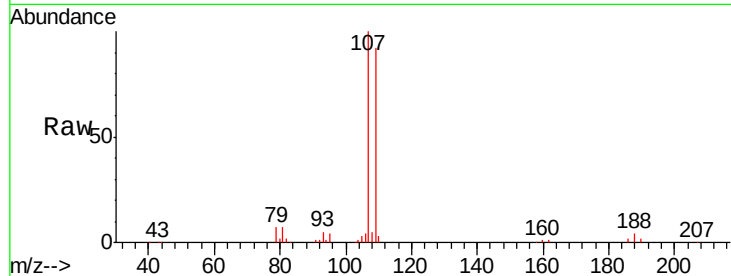
#61
 1,2-Dibromoethane
 Concen: 51.85 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 107 Resp: 41516
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7

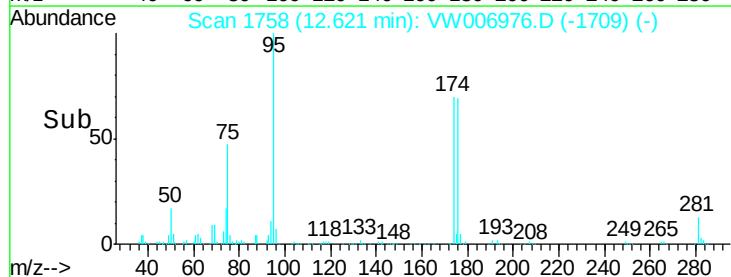
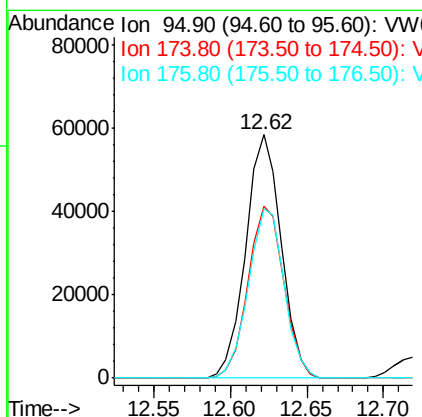
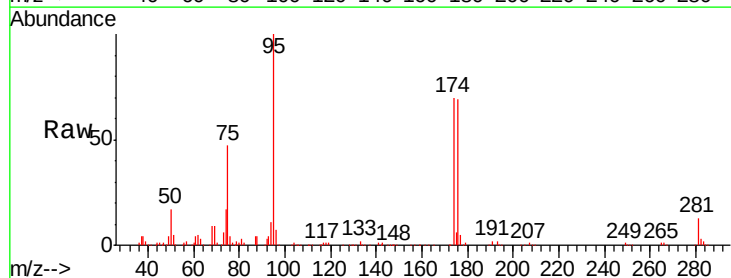
Manual Integrations
 APPROVED

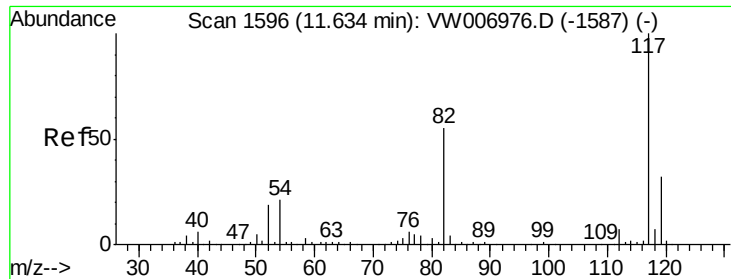
MMDadoda
 11/21/2018 11:32:34 AM



#62
 4-Bromofluorobenzene
 Concen: 52.39 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion: 95 Resp: 93936
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 143.6
 176 70.2 0.0 140.4





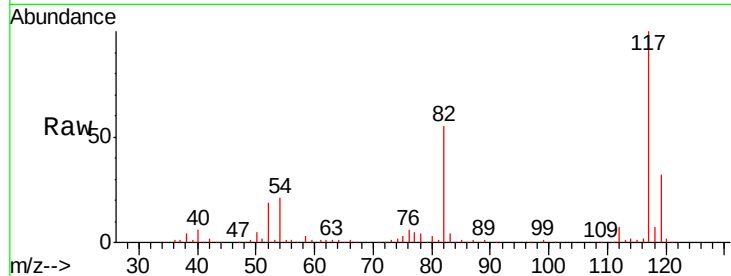
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

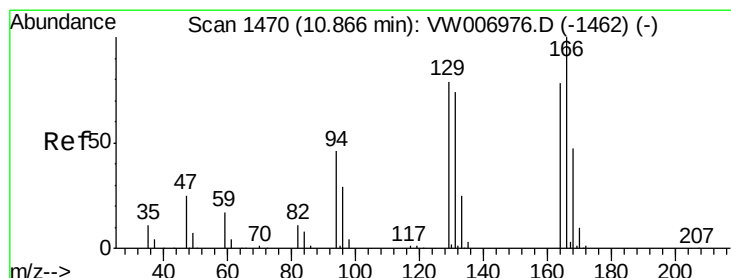
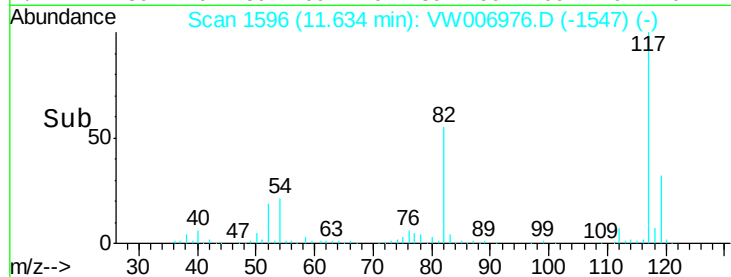
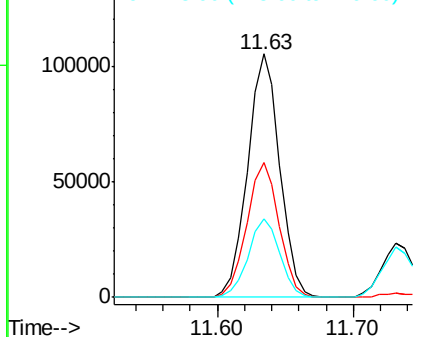
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	173491		
82	55.2	44.2	66.2	
119	32.4	25.9	38.9	

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



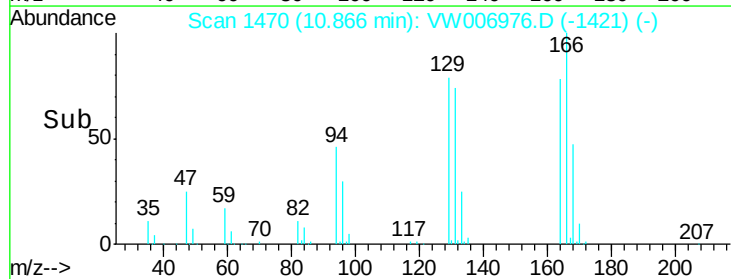
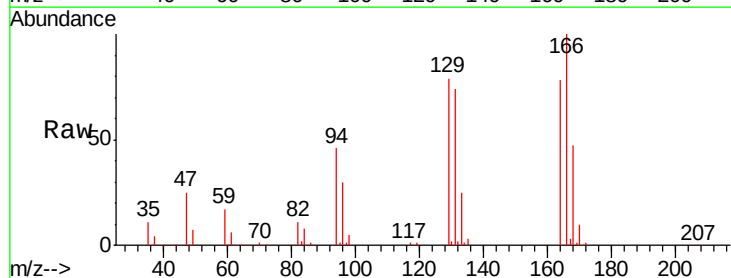
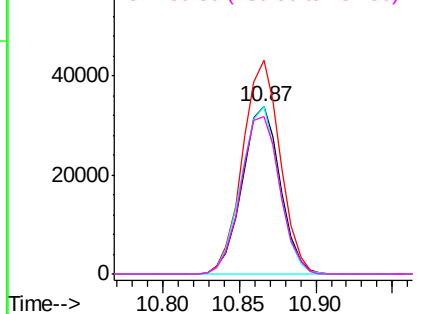
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

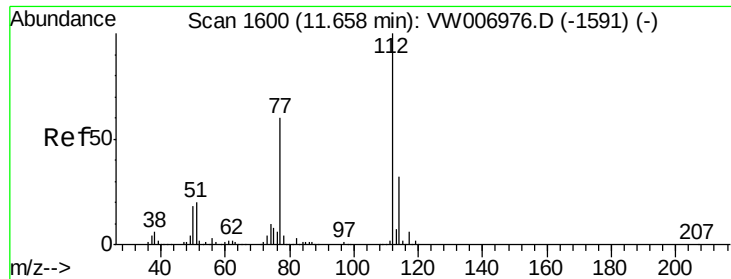


#64
Tetrachloroethene
Concen: 52.22 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58286		
166	127.6	102.1	153.1	
129	100.5	80.4	120.6	
131	94.0	75.2	112.8	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





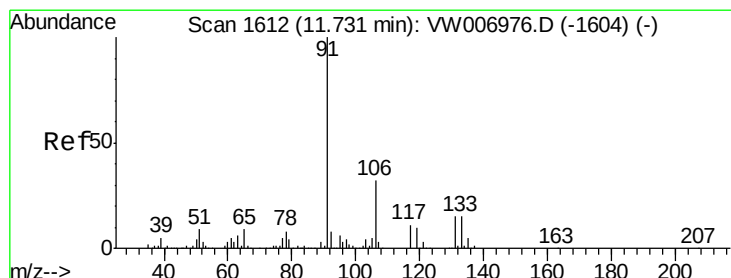
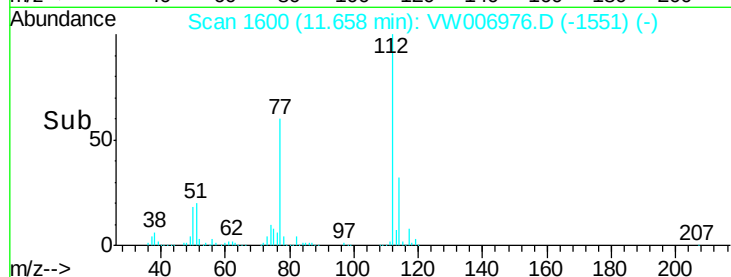
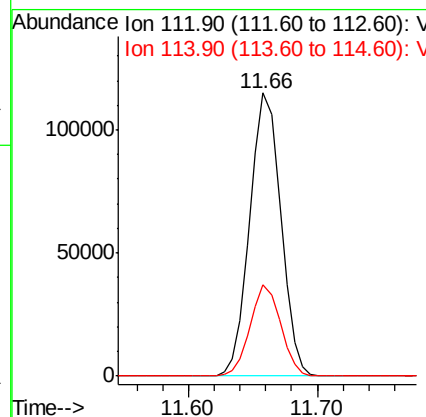
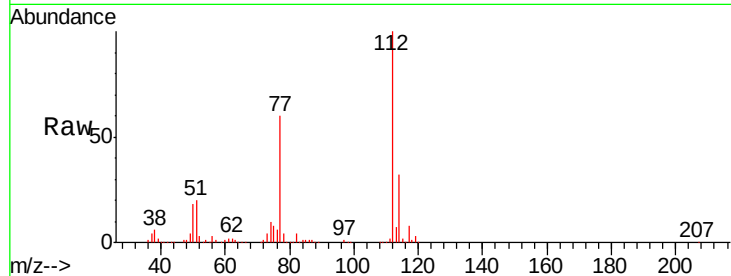
#65
Chlorobenzene
Concen: 53.03 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	192019		
114	32.3	25.8	38.8	

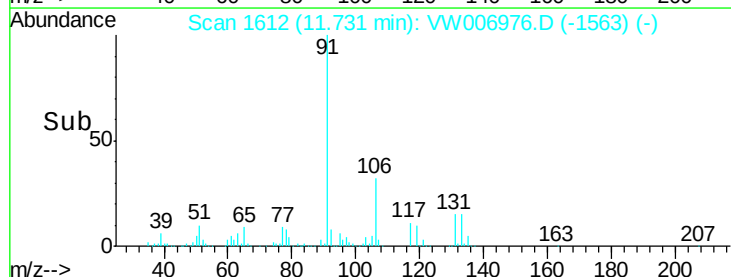
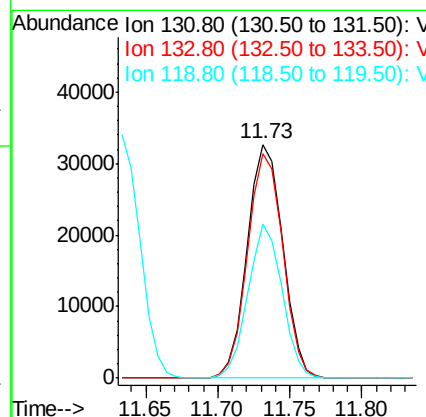
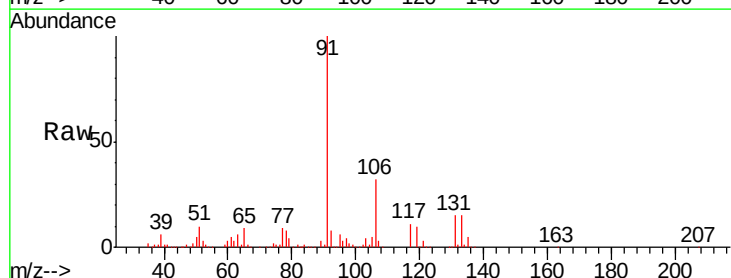
Manual Integrations
APPROVED

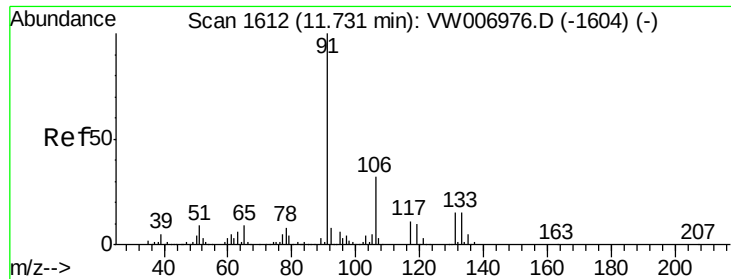
MMDadoda
11/21/2018 11:32:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.94 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	55802		
133	95.4	47.7	143.1	
119	63.5	31.8	95.3	





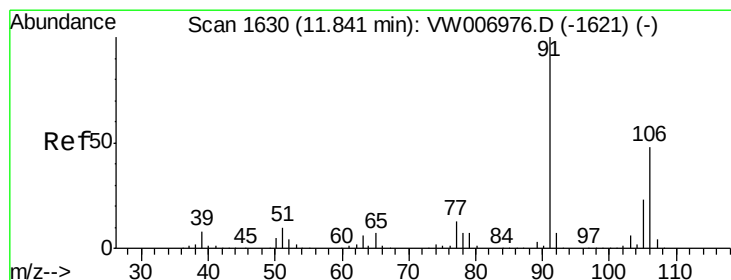
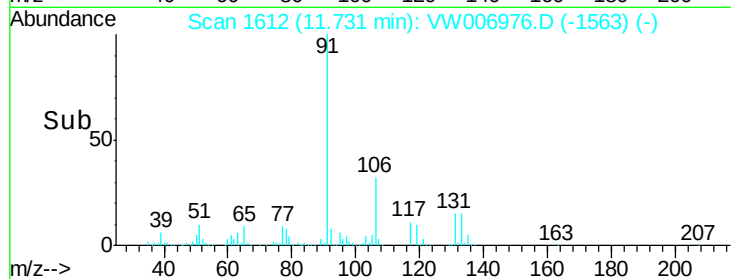
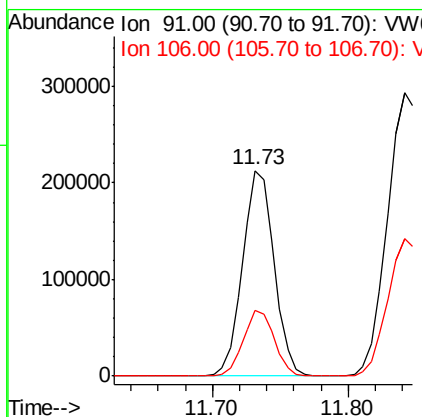
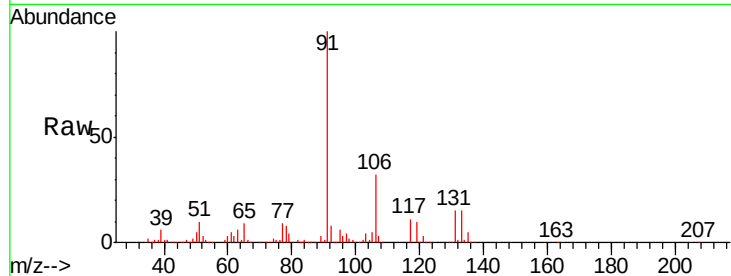
#67
Ethyl Benzene
Concen: 51.89 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 345165
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

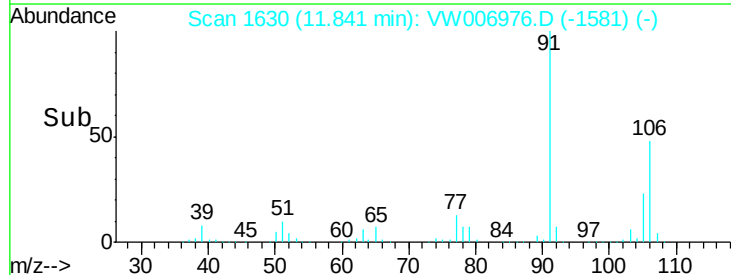
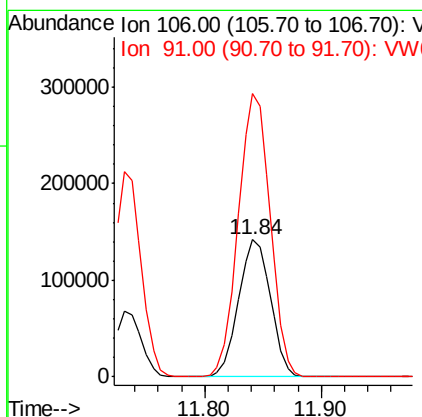
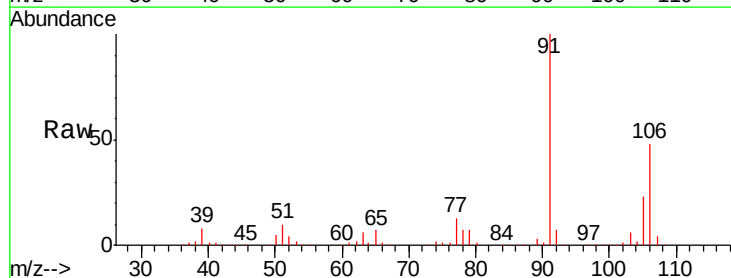
Manual Integrations
APPROVED

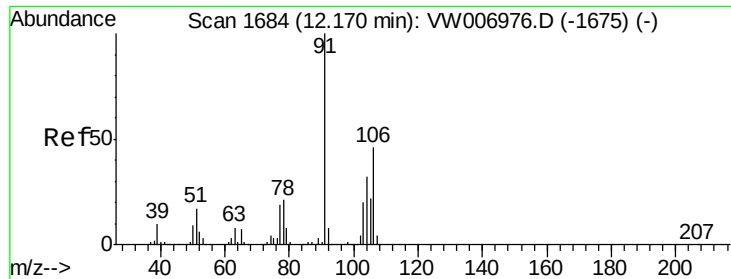
MMDadoda
11/21/2018 11:32:34 AM



#68
m/p-Xylenes
Concen: 104.39 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 106 Resp: 272442
Ion Ratio Lower Upper
106 100
91 206.0 164.8 247.2





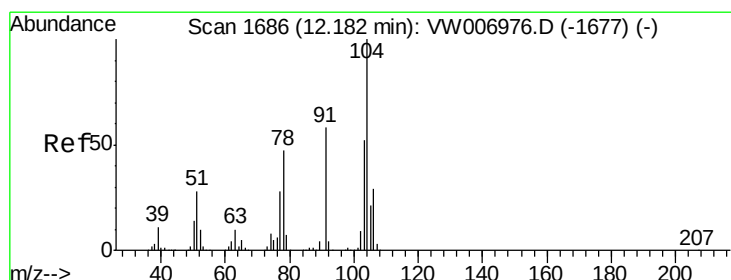
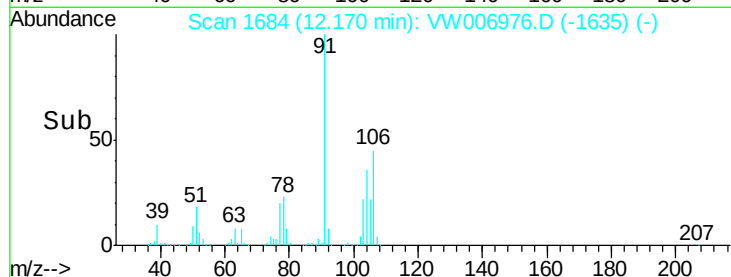
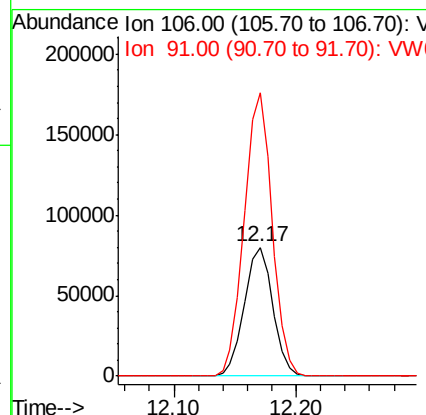
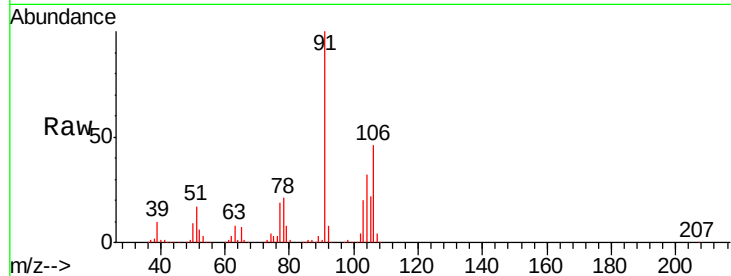
#69
o-Xylene
Concen: 52.45 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 129061
Ion Ratio Lower Upper
106 100
91 215.9 107.9 323.8

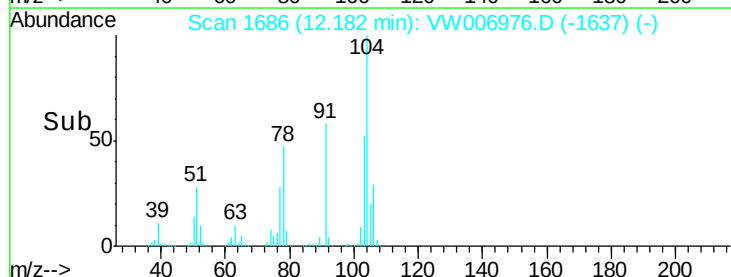
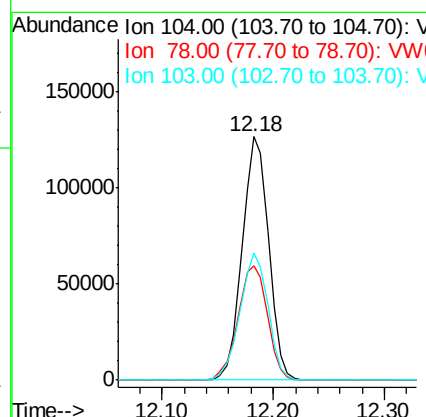
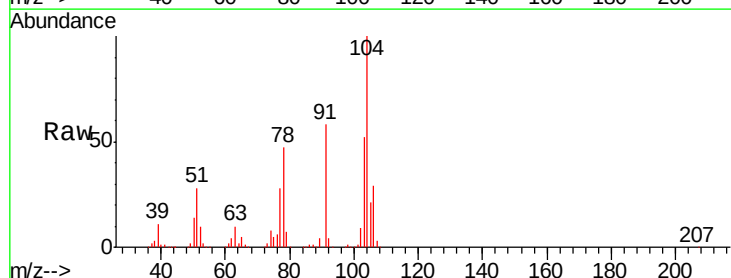
Manual Integrations
APPROVED

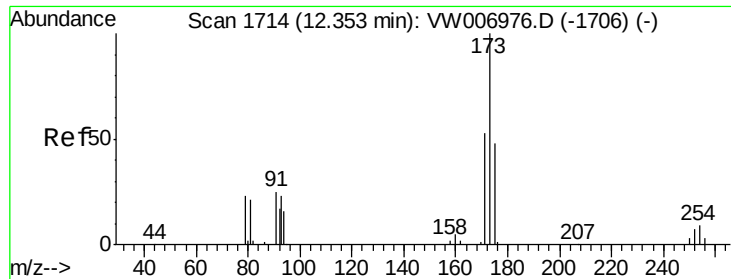
MMDadoda
11/21/2018 11:32:34 AM



#70
Styrene
Concen: 52.97 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion:104 Resp: 207443
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 55.5 44.4 66.6





#71

Bromoform

Concen: 51.43 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:173 Resp: 26538

Ion Ratio Lower Upper

173 100

175 48.0 24.0 72.0

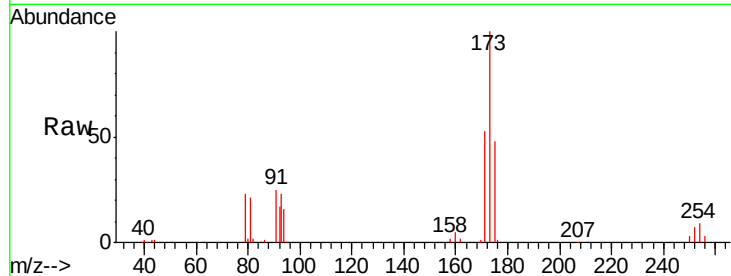
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

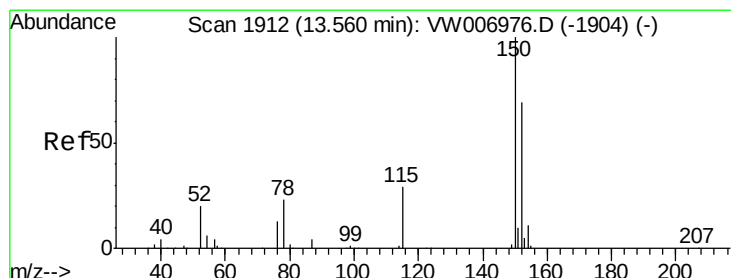
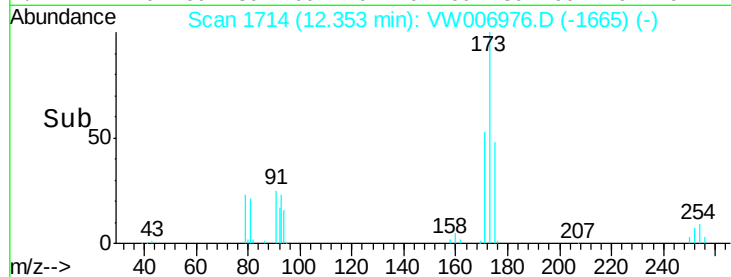
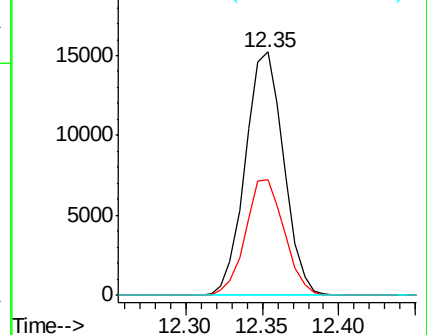
11/21/2018 11:32:34 AM



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: VW006976.D

Acq: 20 Nov 2018 15:05

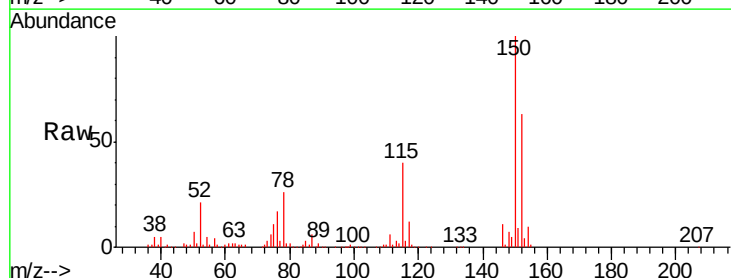
Tgt Ion:152 Resp: 86561

Ion Ratio Lower Upper

152 100

115 62.8 31.4 94.2

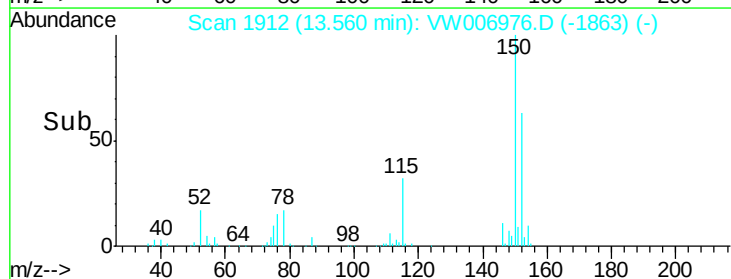
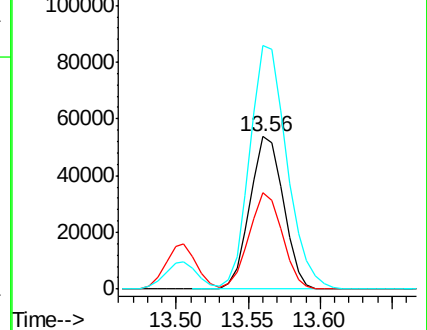
150 176.7 0.0 353.4

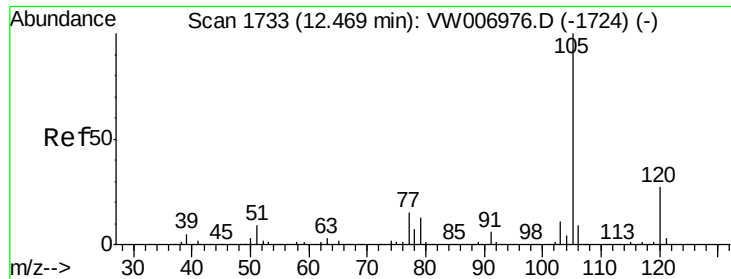


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





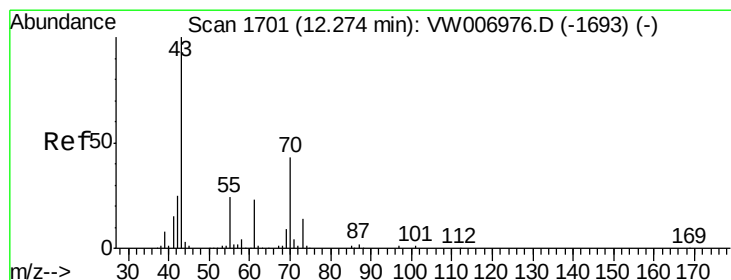
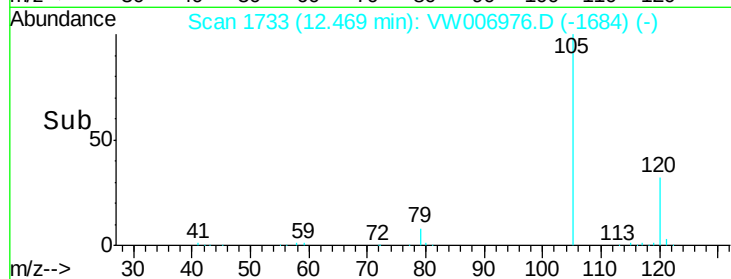
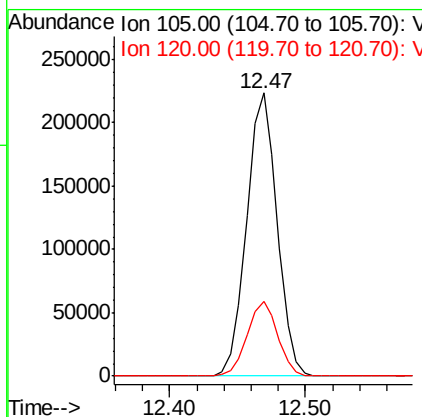
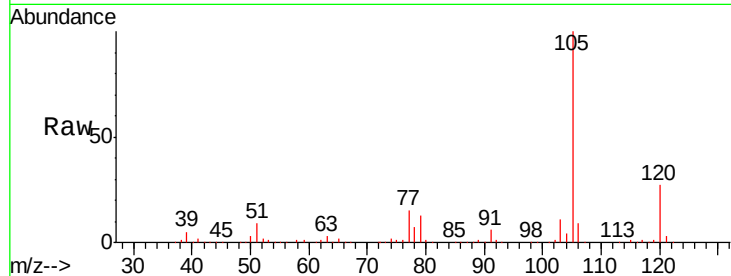
#73
Isopropylbenzene
Concen: 52.00 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 105 Resp: 349832
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.8

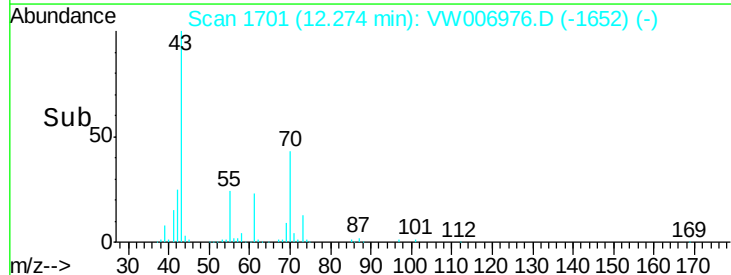
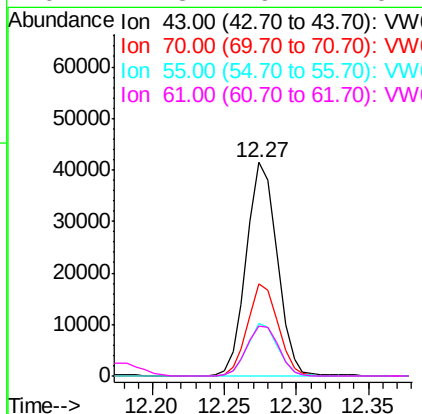
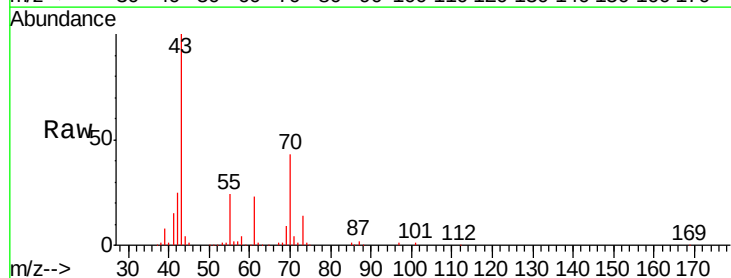
Manual Integrations
APPROVED

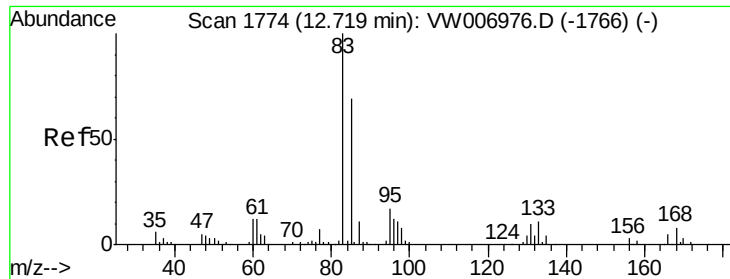
MMDadoda
11/21/2018 11:32:34 AM



#74
N-ethyl acetate
Concen: 54.64 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion: 43 Resp: 61609
Ion Ratio Lower Upper
43 100
70 42.5 34.0 51.0
55 24.2 19.4 29.0
61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.36 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 45985

Ion Ratio Lower Upper

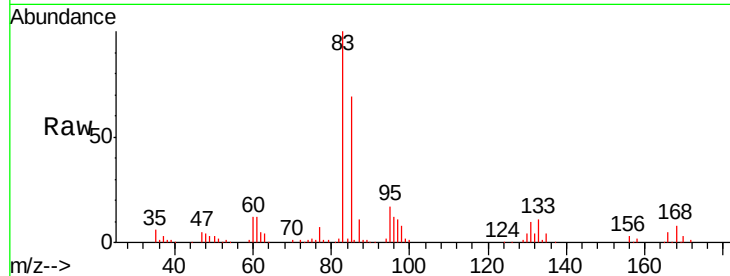
83 100

131 11.4 5.7 17.1

85 66.1 33.1 99.2

Manual Integrations
APPROVED

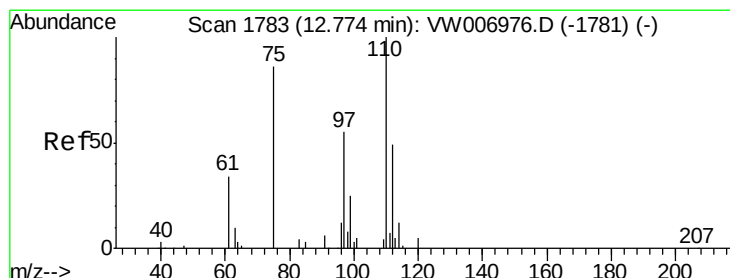
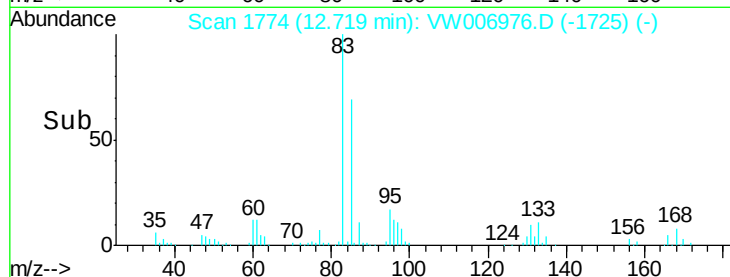
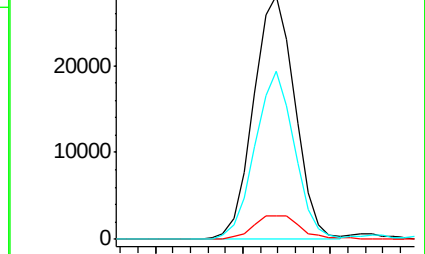
MMDadoda
11/21/2018 11:32:34 AM



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: 26.25 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006976.D

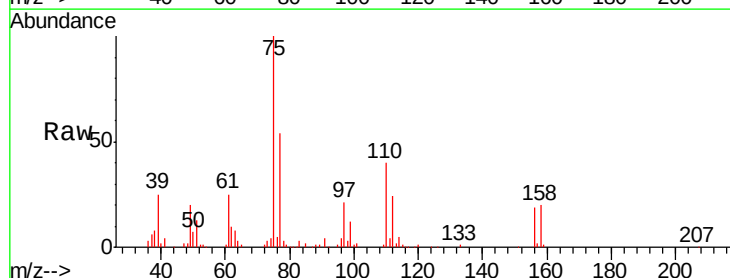
Acq: 20 Nov 2018 15:05

Tgt Ion: 75 Resp: 29414

Ion Ratio Lower Upper

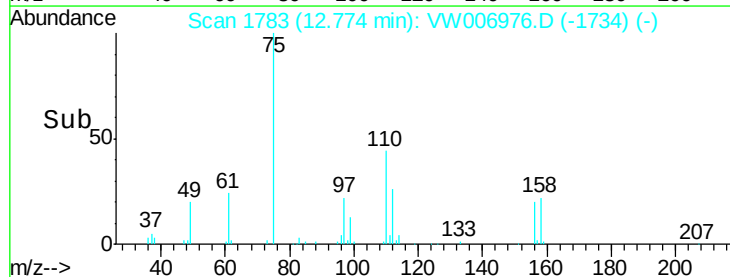
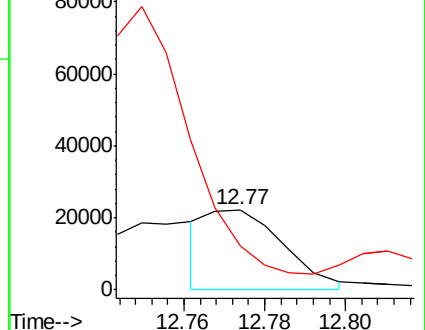
75 100

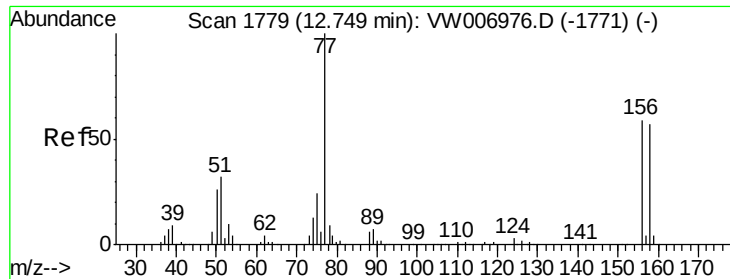
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.49 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

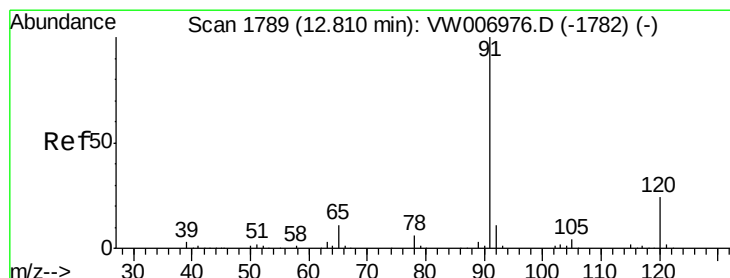
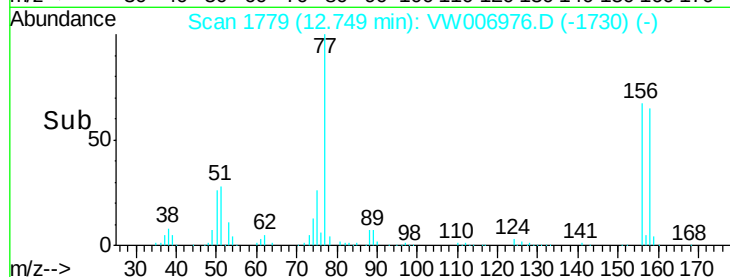
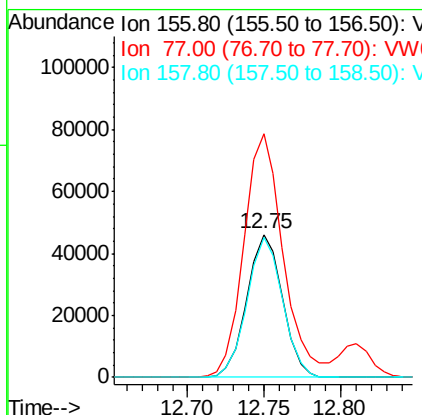
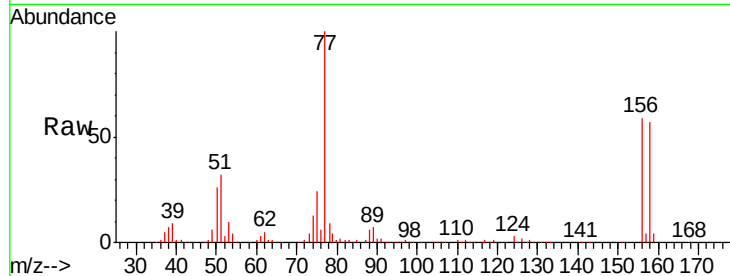
ClientSampleId :

VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	189.2	94.6	283.8
158	97.8	48.9	146.7

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



#78

n-propylbenzene

Concen: 51.63 ug/l

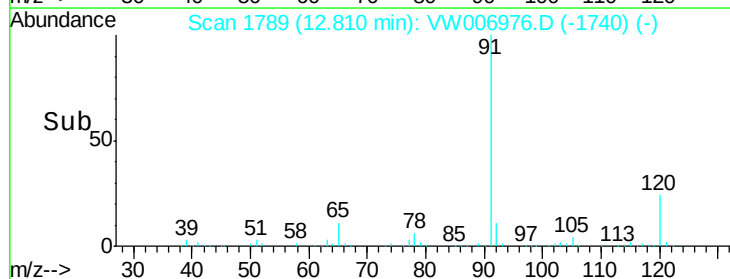
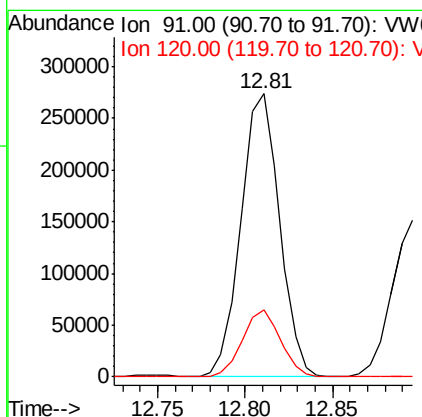
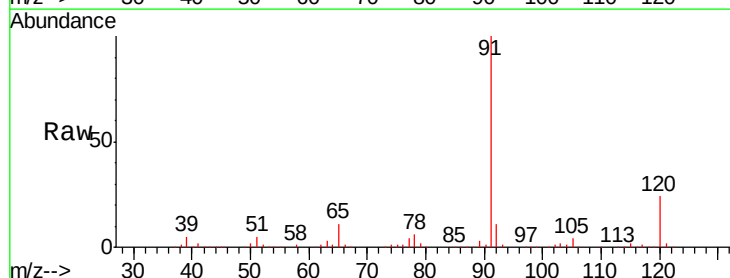
RT: 12.81 min Scan# 1789

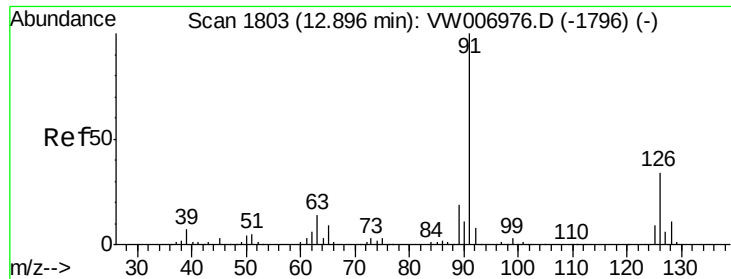
Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.7	35.1





#79

2-Chlorotoluene

Concen: 51.43 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006976.D

Acq: 20 Nov 2018 15:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 241646

Ion Ratio Lower Upper

91 100

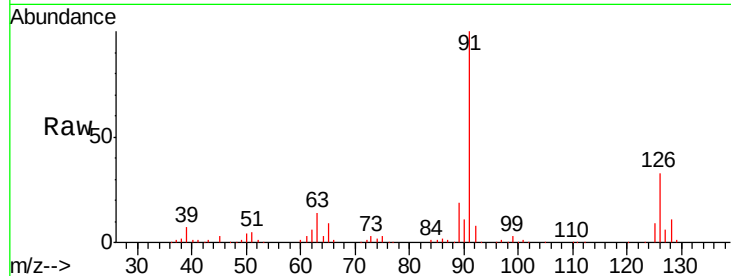
126 33.3 16.7 50.0

Manual Integrations

APPROVED

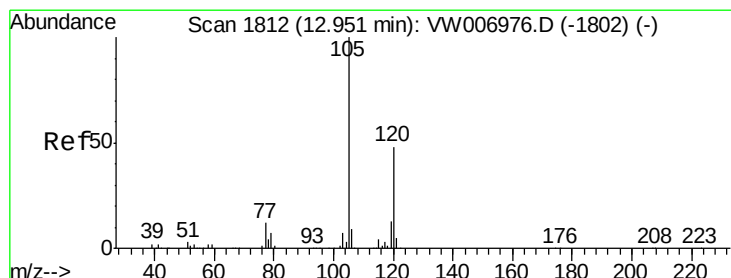
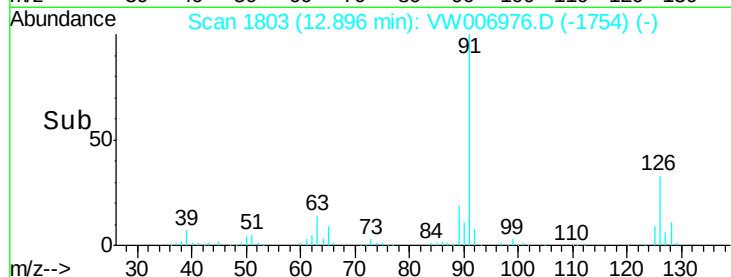
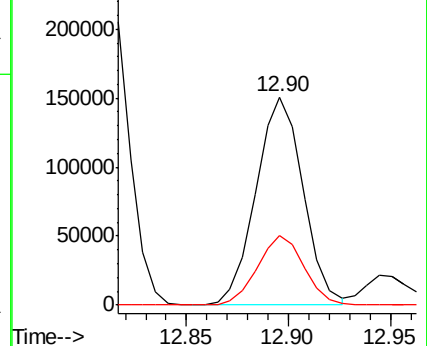
MMDadoda

11/21/2018 11:32:34 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: 52.09 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006976.D

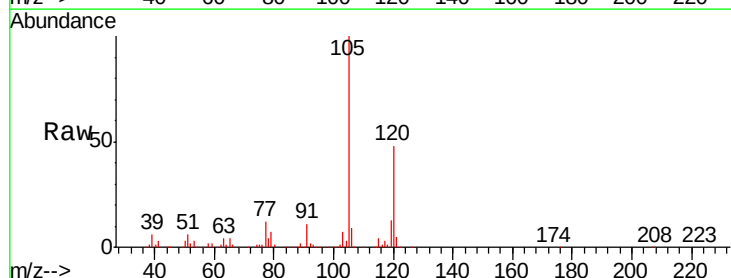
Acq: 20 Nov 2018 15:05

Tgt Ion: 105 Resp: 303027

Ion Ratio Lower Upper

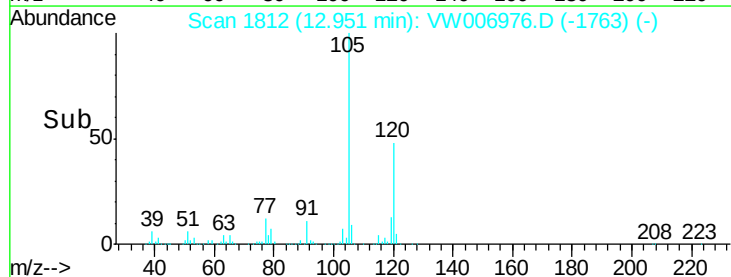
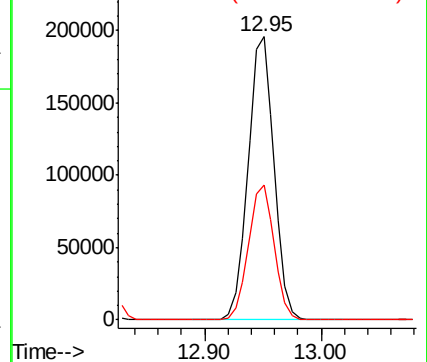
105 100

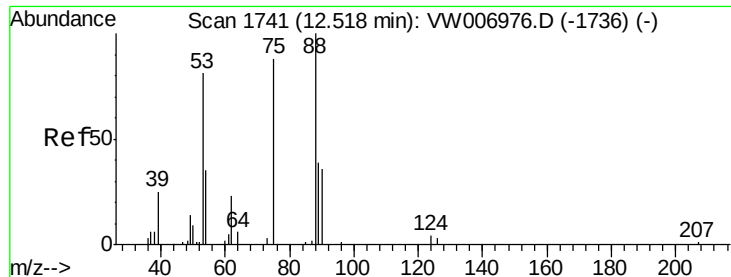
120 47.5 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





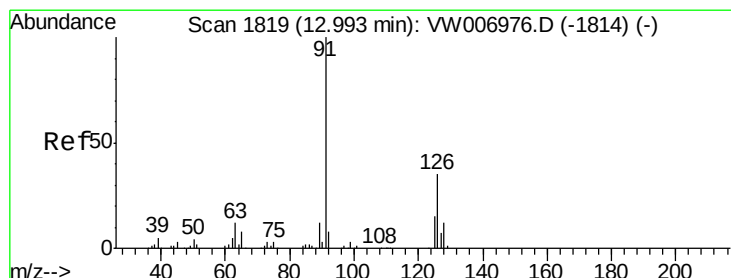
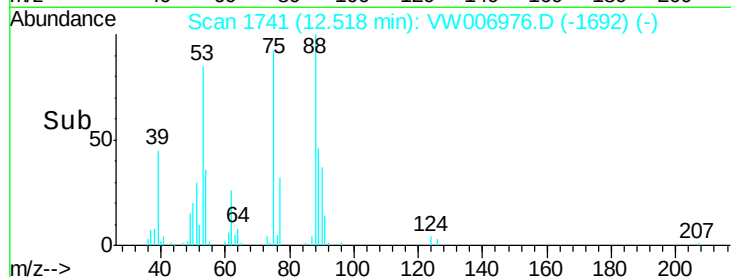
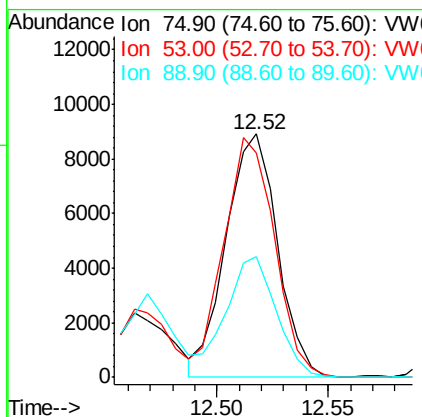
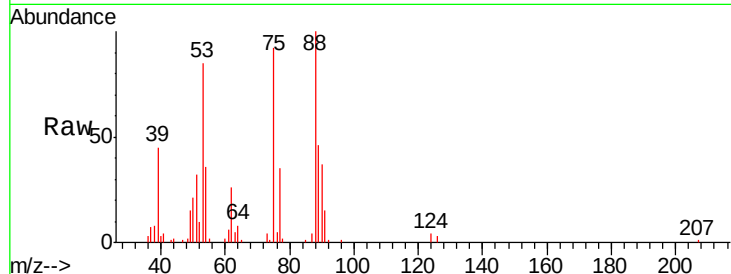
#81
trans-1,4-Dichloro-2-butene
Concen: 52.98 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.0	77.6	116.4
89	49.1	39.3	58.9

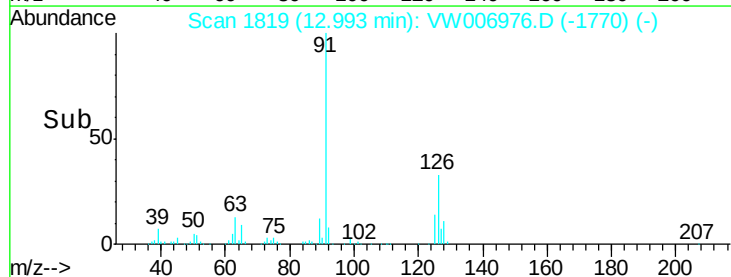
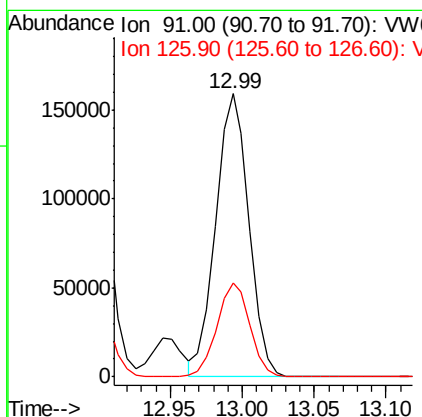
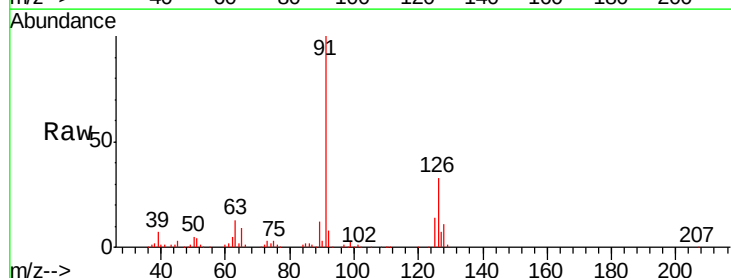
Manual Integrations
APPROVED

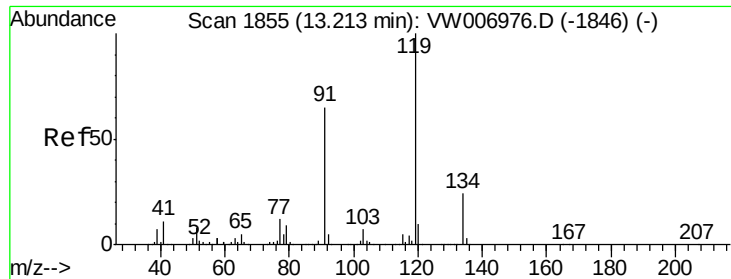
MMDadoda
11/21/2018 11:32:34 AM



#82
4-Chlorotoluene
Concen: 51.91 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7





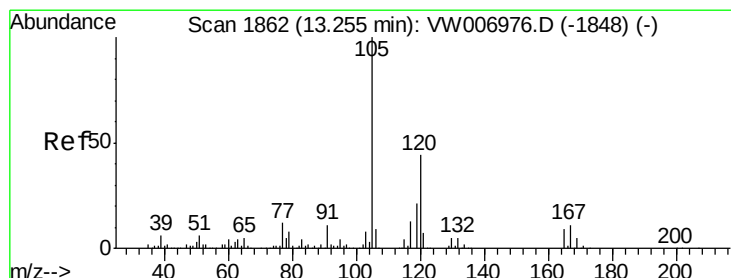
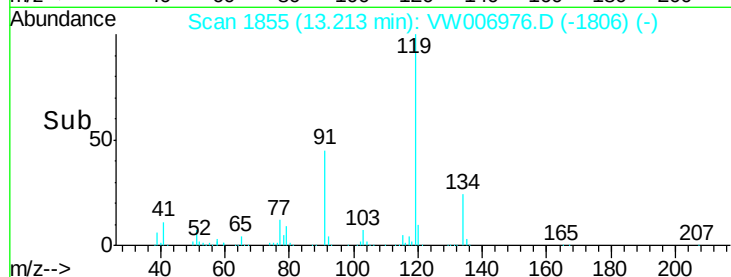
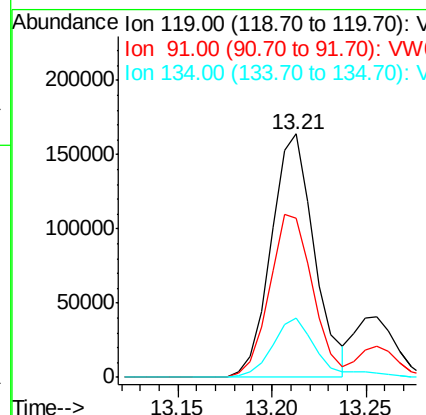
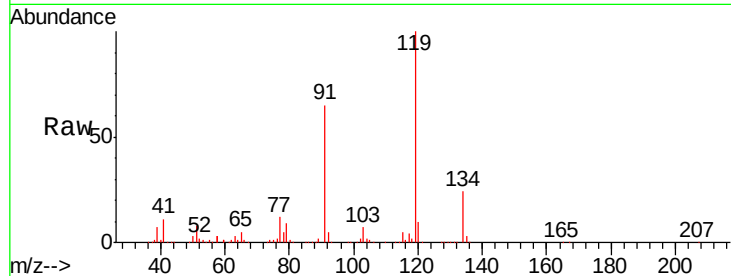
#83
 tert-Butylbenzene
 Concen: 51.60 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.5	100.5
134	25.2	12.6	37.8

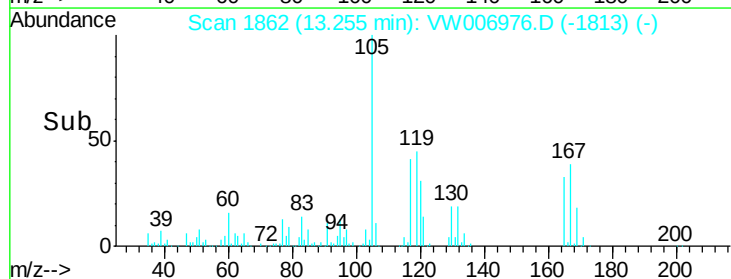
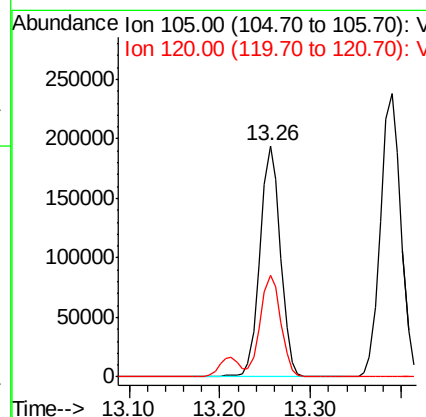
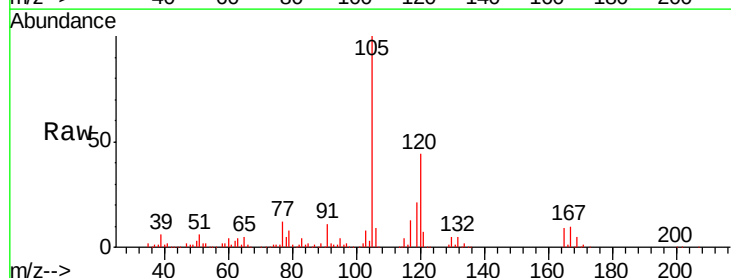
Manual Integrations
 APPROVED

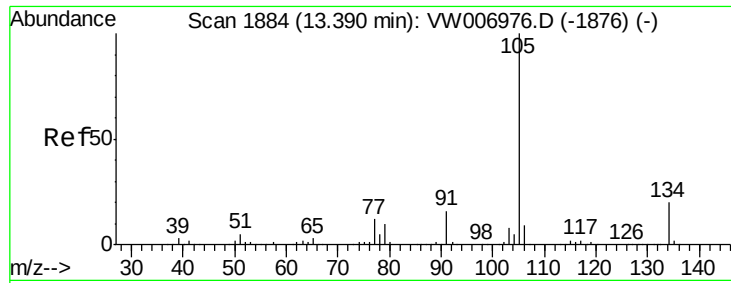
MMDadoda
 11/21/2018 11:32:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.35 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.8	65.3





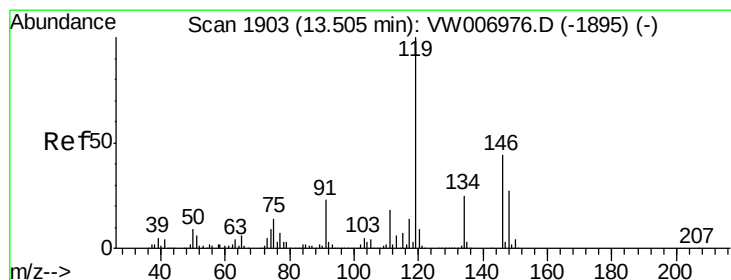
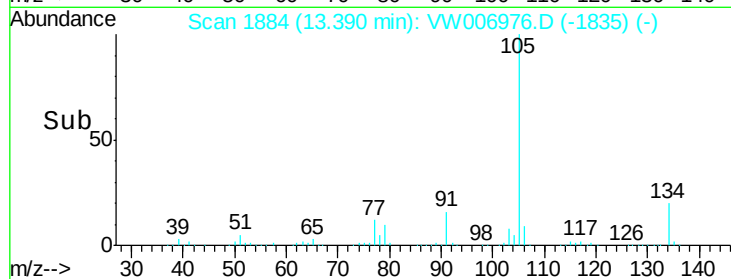
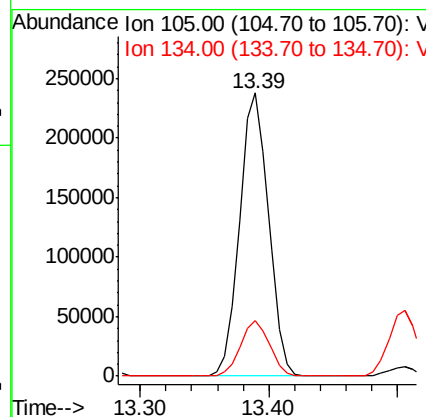
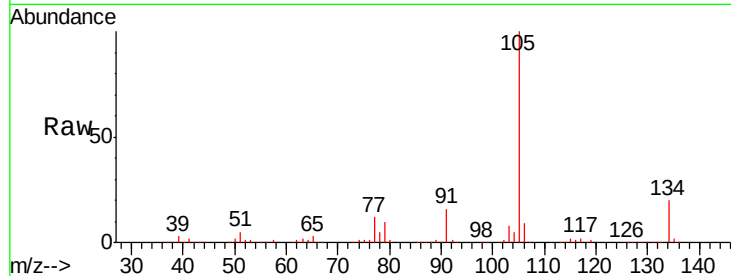
#85
 sec-Butylbenzene
 Concen: 51.96 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 369695
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3

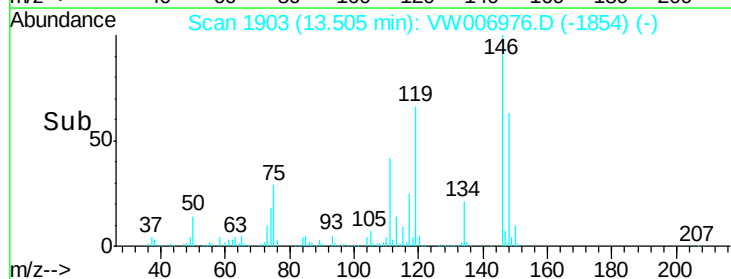
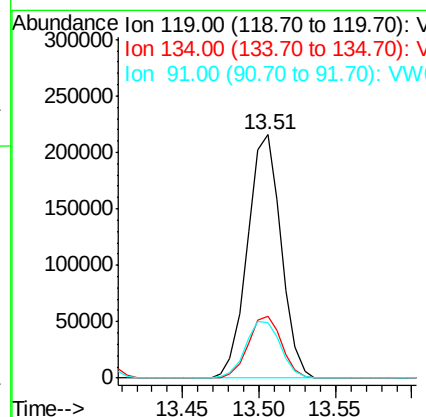
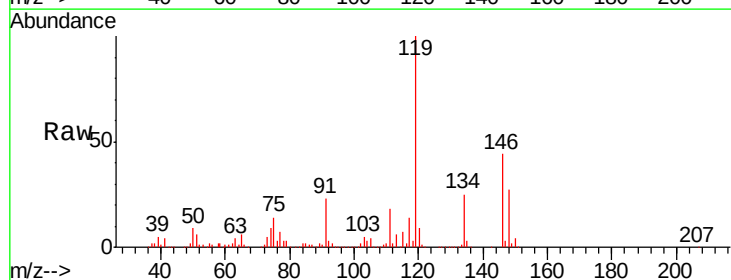
Manual Integrations
 APPROVED

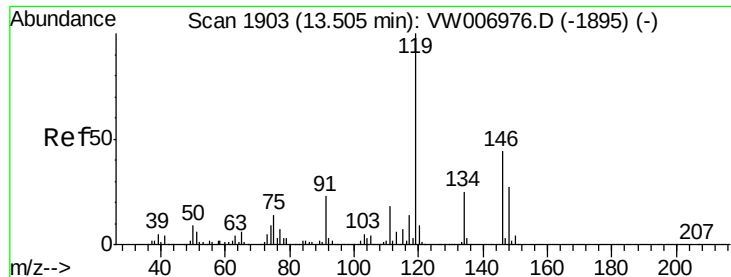
MMDadoda
 11/21/2018 11:32:34 AM



#86
 p-Isopropyltoluene
 Concen: 52.14 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion:119 Resp: 327302
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.4 12.2 36.6





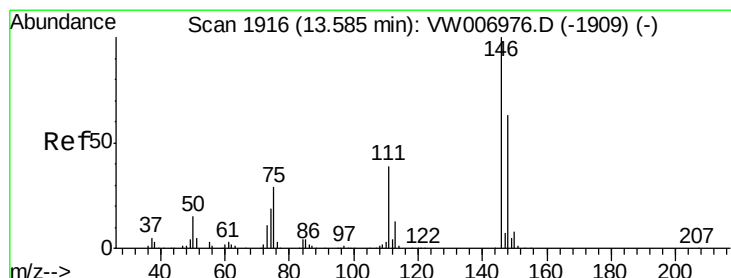
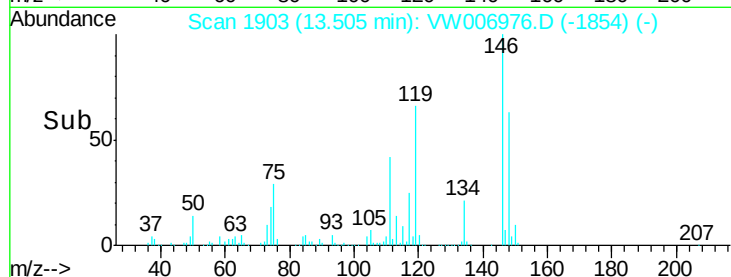
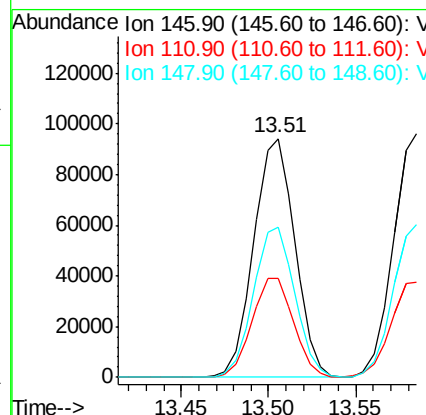
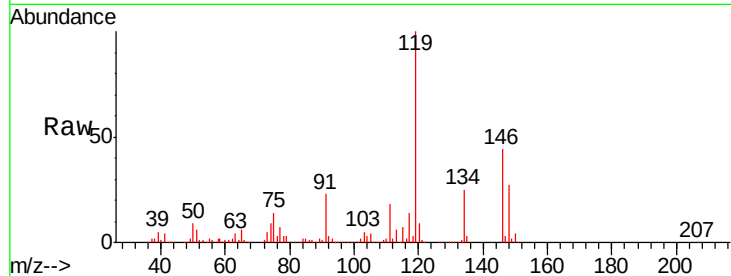
#87
 1,3-Dichlorobenzene
 Concen: 52.17 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.2	31.6	94.8

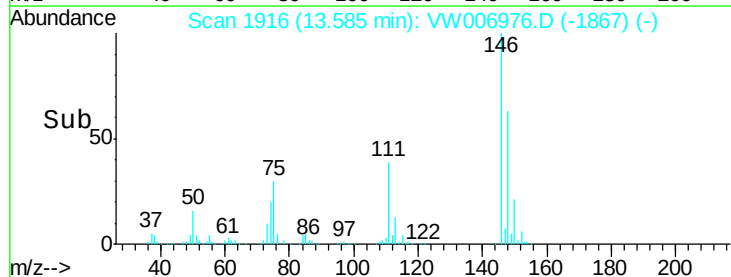
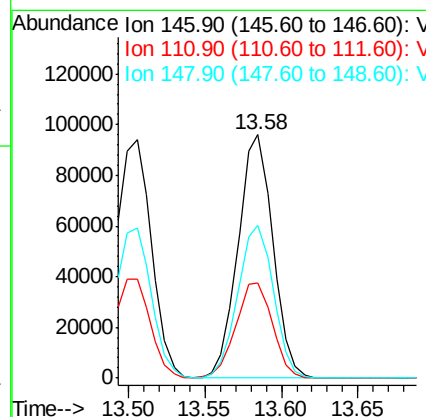
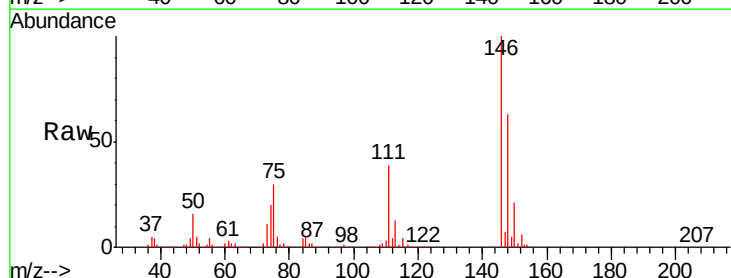
Manual Integrations
 APPROVED

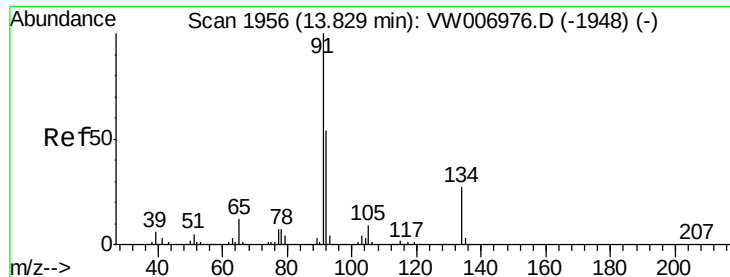
MMDadoda
 11/21/2018 11:32:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.54 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	64.5	32.3	96.8





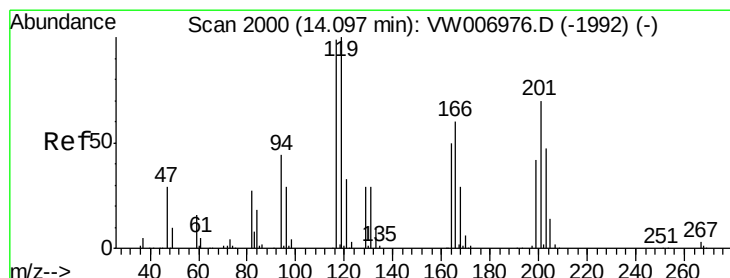
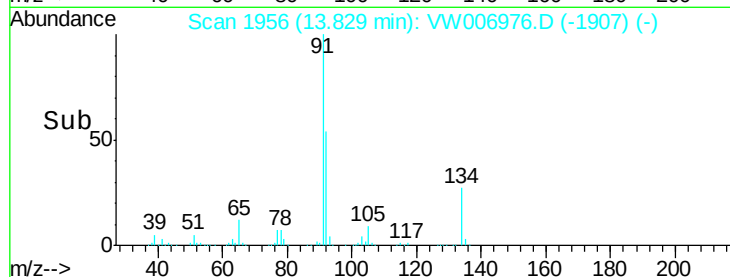
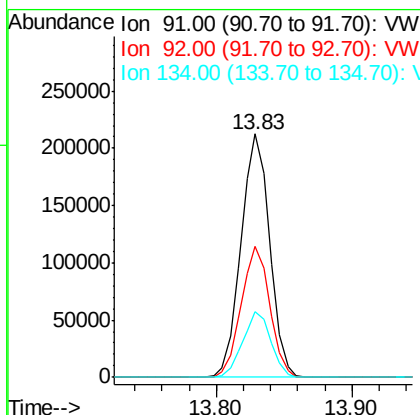
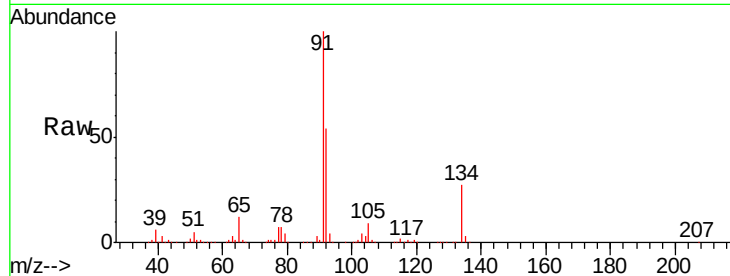
#89
n-Butylbenzene
Concen: 52.89 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	26.5	13.3	39.8

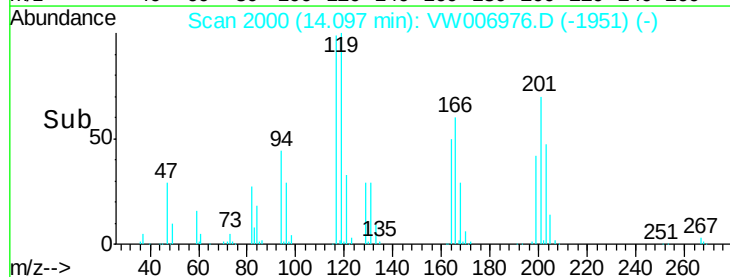
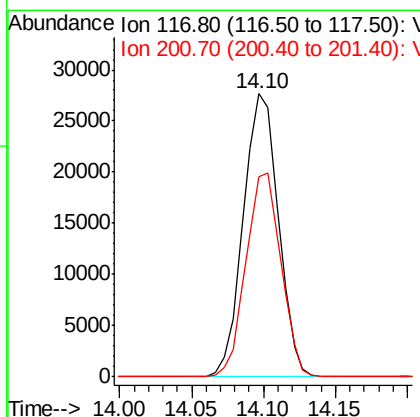
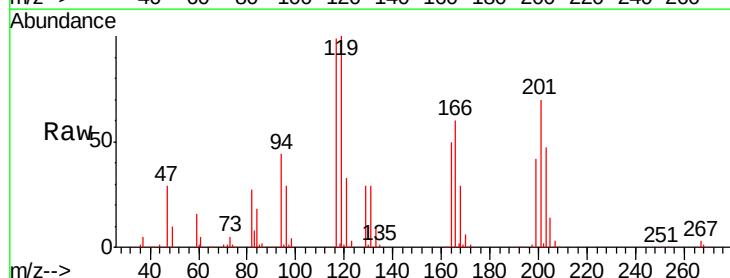
Manual Integrations
APPROVED

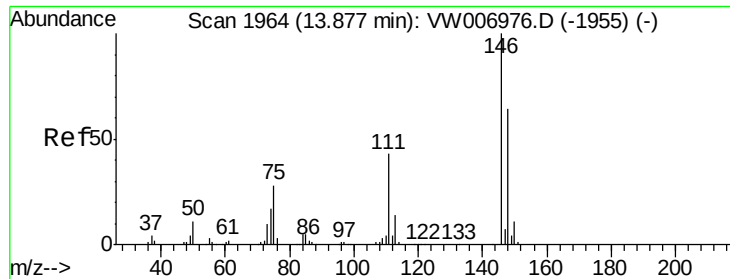
MMDadoda
11/21/2018 11:32:34 AM



#90
Hexachloroethane
Concen: 50.97 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.7	35.9	107.5





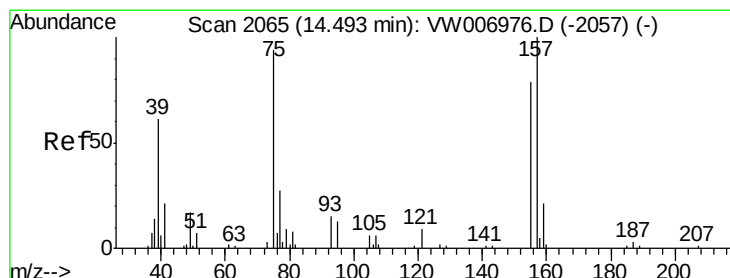
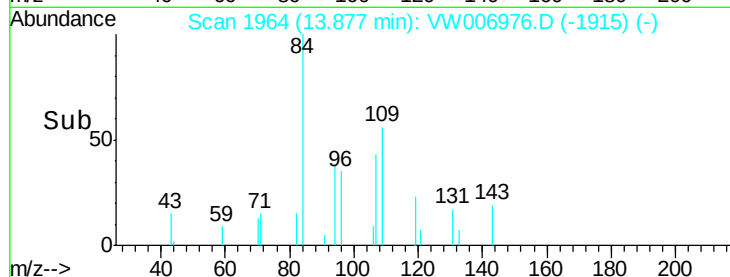
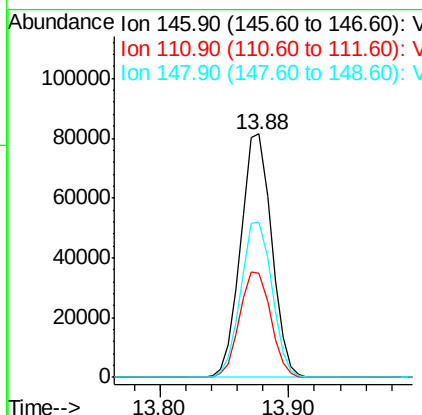
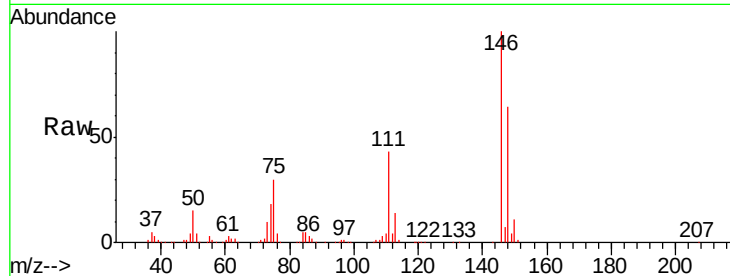
#91
 1,2-Dichlorobenzene
 Concen: 52.37 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	64.4	32.2	96.6

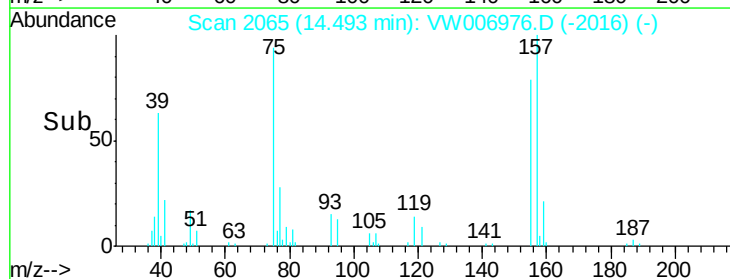
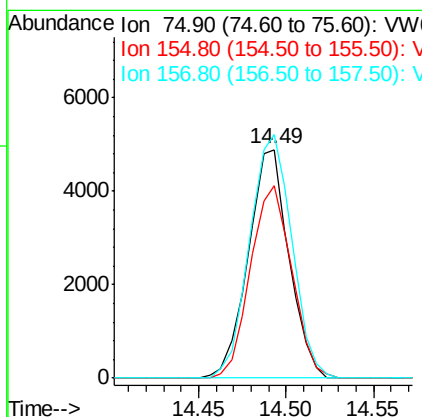
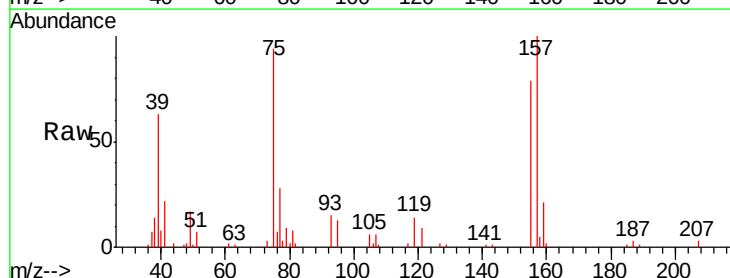
Manual Integrations
 APPROVED

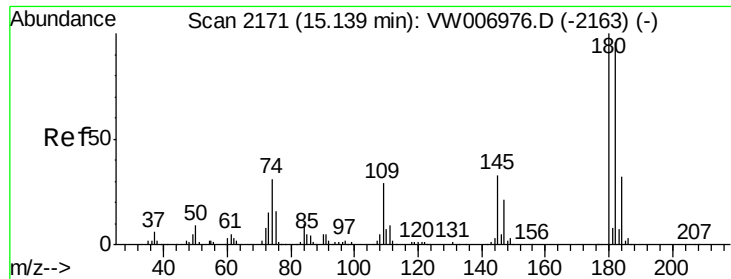
MMDadoda
 11/21/2018 11:32:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.40 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006976.D
 Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.6	127.8
157	110.0	55.0	165.0





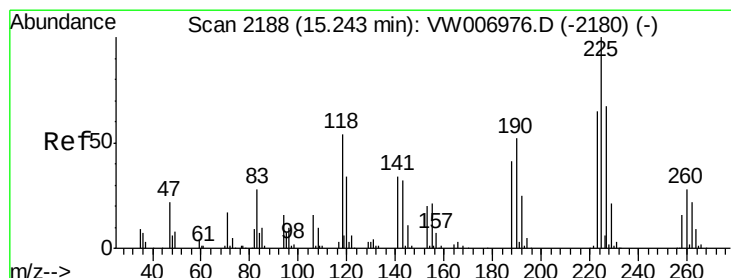
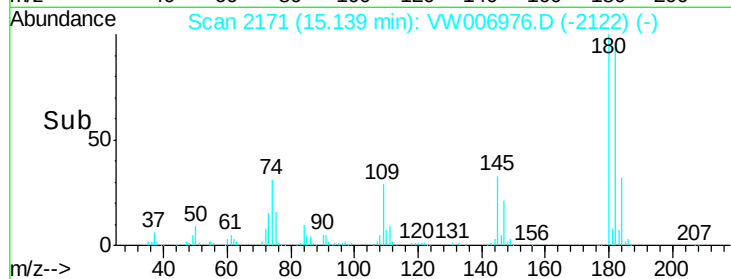
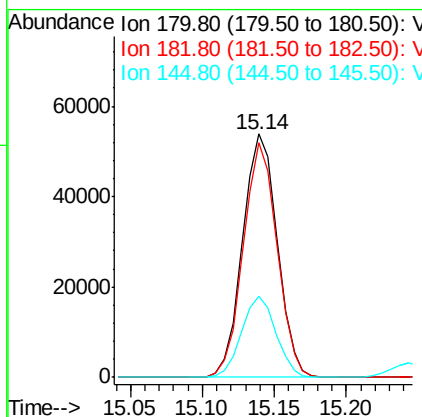
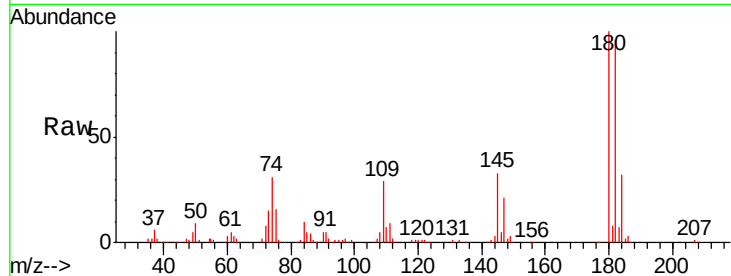
#93
1,2,4-Trichlorobenzene
Concen: 52.58 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	33.0	16.5	49.5

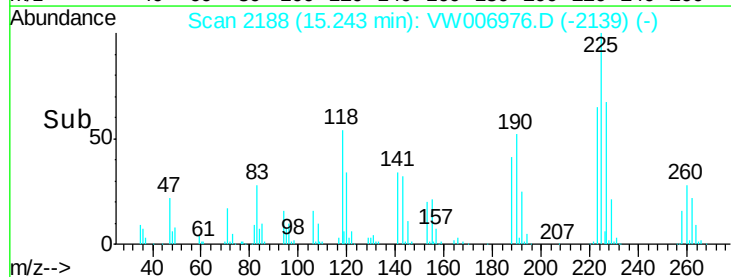
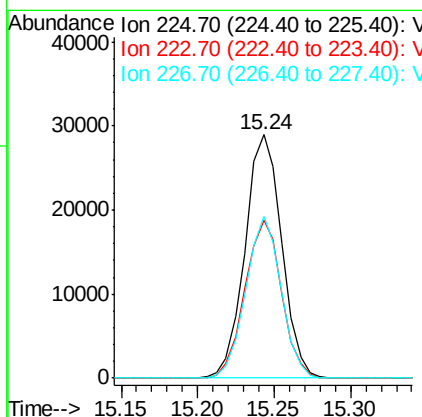
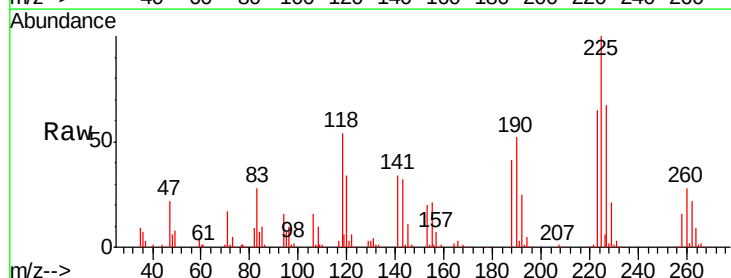
Manual Integrations
APPROVED

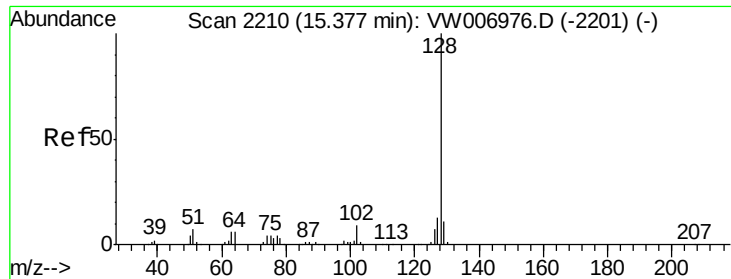
MMDadoda
11/21/2018 11:32:34 AM



#94
Hexachlorobutadiene
Concen: 52.11 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	32.4	97.0
227	63.7	31.9	95.5





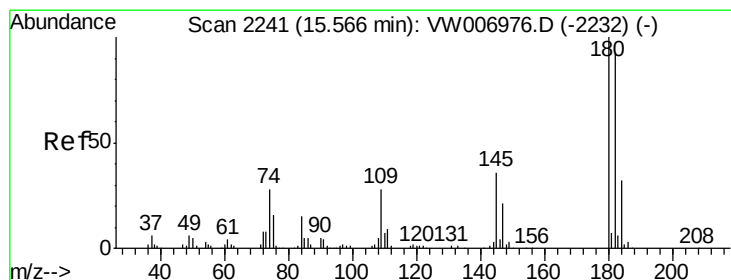
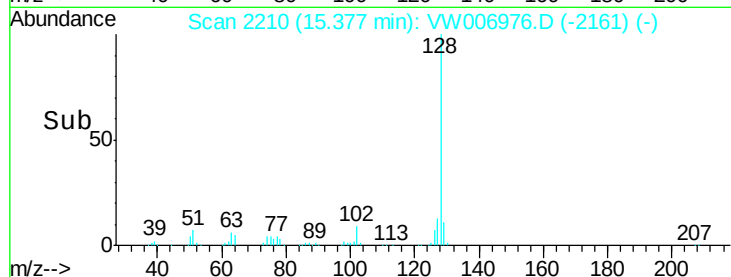
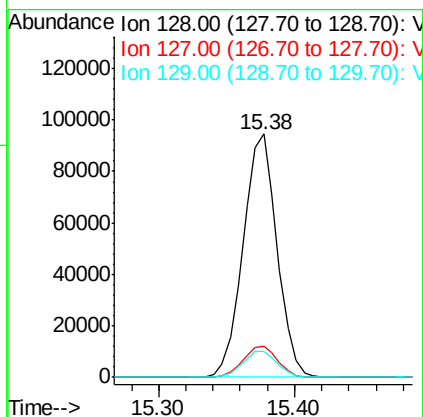
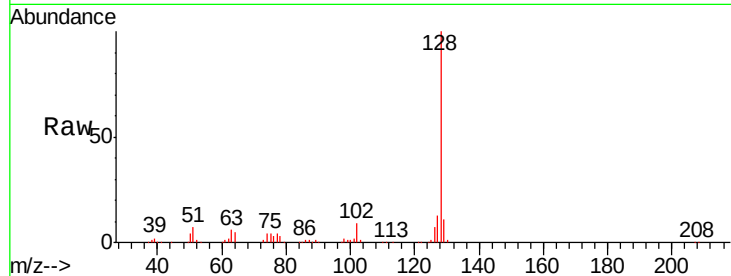
#95
Naphthalene
Concen: 53.20 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/21/2018 11:32:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.90 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006976.D
Acq: 20 Nov 2018 15:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.0	141.2
145	36.0	18.0	54.0

