

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006265.D
 Acq On : 22 Oct 2018 21:36
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.64G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:13 PM

Quant Time: Oct 23 05:03:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	353291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107731	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
35) Dibromofluoromethane	7.89	113	111310	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.33	98	393936	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.62	95	152426	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	65726	53.645	ug/l	99
3) Chloromethane	2.21	50	73827	46.811	ug/l	97
4) Vinyl Chloride	2.37	62	114330	50.762	ug/l	99
5) Bromomethane	2.79	94	98706	48.184	ug/l	98
6) Chloroethane	2.93	64	85239	52.810	ug/l	99
7) Trichlorofluoromethane	3.26	101	102223	48.720	ug/l	99
8) Diethyl Ether	3.68	74	59630	53.476	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	117059	53.237	ug/l	99
10) Methyl Iodide	4.27	142	201834	55.150	ug/l	100
11) Tert butyl alcohol	5.25	59	36865	267.044	ug/l	95
12) 1,1-Dichloroethene	4.04	96	109115	52.746	ug/l	93
13) Acrolein	3.90	56	31157	233.245	ug/l	95
14) Allyl chloride	4.67	41	153266	51.816	ug/l	100
15) Acrylonitrile	5.38	53	113714	284.319	ug/l	100
16) Acetone	4.15	43	106061	277.021	ug/l	100
17) Carbon Disulfide	4.38	76	303829	48.664	ug/l	99
18) Methyl Acetate	4.68	43	56883	55.067	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	174580	55.408	ug/l	100
20) Methylene Chloride	4.92	84	127014	58.766	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	123494	53.483	ug/l	99
22) Diisopropyl ether	6.32	45	321084	54.931	ug/l	99
23) Vinyl Acetate	6.26	43	934108	270.790	ug/l	98
24) 1,1-Dichloroethane	6.22	63	207608	55.044	ug/l	99
25) 2-Butanone	7.18	43	151572	273.341	ug/l	97
26) 2,2-Dichloropropane	7.17	77	131949	49.602	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	142212	55.811	ug/l	99
28) Bromochloromethane	7.51	49	83574	57.396	ug/l	94
29) Tetrahydrofuran	7.54	42	94811	278.162	ug/l	99
30) Chloroform	7.68	83	229823	55.928	ug/l	99
31) Cyclohexane	7.96	56	181291	48.267	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	198780	53.626	ug/l	99
36) 1,1-Dichloropropene	8.09	75	174315	53.531	ug/l	99
37) Ethyl Acetate	7.26	43	64658	53.442	ug/l	99
38) Carbon Tetrachloride	8.07	117	189209	53.003	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006265.D
 Acq On : 22 Oct 2018 21:36
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.64G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:13 PM

Quant Time: Oct 23 05:03:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	216239	49.956	ug/l	98
40) Benzene	8.33	78	495234	55.442	ug/l	98
41) Methacrylonitrile	7.49	41	41090	56.338	ug/l	98
42) 1,2-Dichloroethane	8.40	62	149347	56.908	ug/l	99
43) Isopropyl Acetate	8.43	43	132719	53.651	ug/l	99
44) Trichloroethene	9.09	130	150101	54.772	ug/l	99
45) 1,2-Dichloropropane	9.37	63	113776	53.229	ug/l	97
46) Dibromomethane	9.46	93	65845	54.049	ug/l	99
47) Bromodichloromethane	9.65	83	155038	52.491	ug/l	100
48) Methyl methacrylate	9.44	41	63707	54.331	ug/l	97
49) 1,4-Dioxane	9.49	88	22121	1179.496	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	330553	266.697	ug/l	98
52) Toluene	10.39	92	316067	52.779	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	155178	52.732	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	178459	52.840	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	93717	54.972	ug/l	98
56) Ethyl methacrylate	10.65	69	113921	54.508	ug/l	96
57) 1,3-Dichloropropane	10.93	76	153121	54.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	200160	250.639	ug/l	99
59) 2-Hexanone	10.98	43	229662	259.578	ug/l	97
60) Dibromochloromethane	11.13	129	112280	52.875	ug/l	99
61) 1,2-Dibromoethane	11.24	107	96950	56.915	ug/l	99
64) Tetrachloroethene	10.87	164	133937	55.336	ug/l	96
65) Chlorobenzene	11.66	112	368644	55.232	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	132452	55.841	ug/l	99
67) Ethyl Benzene	11.74	91	634313	54.838	ug/l	99
68) m/p-Xylenes	11.85	106	502058	109.814	ug/l	99
69) o-Xylene	12.17	106	240794	55.264	ug/l	99
70) Styrene	12.19	104	396045	55.897	ug/l	99
71) Bromoform	12.35	173	72952	55.141	ug/l #	99
73) Isopropylbenzene	12.47	105	680664	53.482	ug/l	100
74) N-amyl acetate	12.28	43	128679	52.056	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	111269	57.482	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	71050m	51.636	ug/l	
77) Bromobenzene	12.75	156	169438	54.355	ug/l	100
78) n-propylbenzene	12.81	91	783269	52.899	ug/l	99
79) 2-Chlorotoluene	12.90	91	445868	53.594	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	571520	53.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	29607	51.434	ug/l	98
82) 4-Chlorotoluene	12.99	91	485828	55.747	ug/l	99
83) tert-Butylbenzene	13.21	119	508472	52.969	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	591020	54.437	ug/l	99
85) sec-Butylbenzene	13.39	105	726409	53.564	ug/l	100
86) p-Isopropyltoluene	13.51	119	658275	53.665	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	337178	54.349	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	332882	53.891	ug/l	100
89) n-Butylbenzene	13.83	91	599586	53.448	ug/l	100
90) Hexachloroethane	14.10	117	107879	51.922	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	303004	54.755	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18073	52.148	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102218\
Data File : VW006265.D
Acq On : 22 Oct 2018 21:36
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.64G/5ML/MSVOA W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

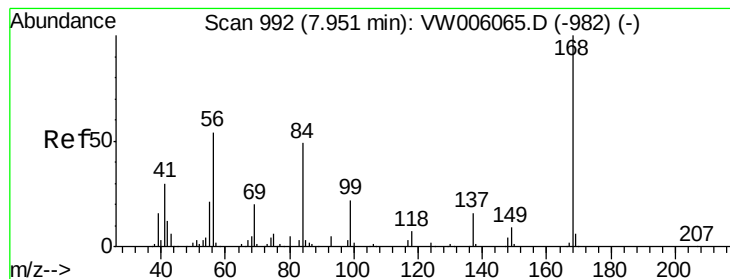
Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM

Quant Time: Oct 23 05:03:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	229785	53.966	ug/l	99
94) Hexachlorobutadiene	15.24	225	144816	54.140	ug/l	99
95) Naphthalene	15.38	128	396548	55.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	205020	55.668	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 247587

Ion Ratio Lower Upper

168 100

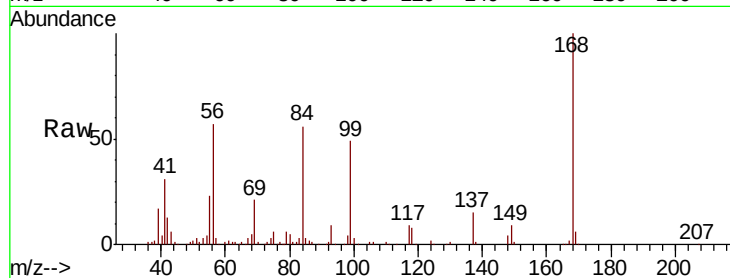
99 49.1 39.9 59.9

Manual Integrations

APPROVED

sam

10/24/2018 5:33:13 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

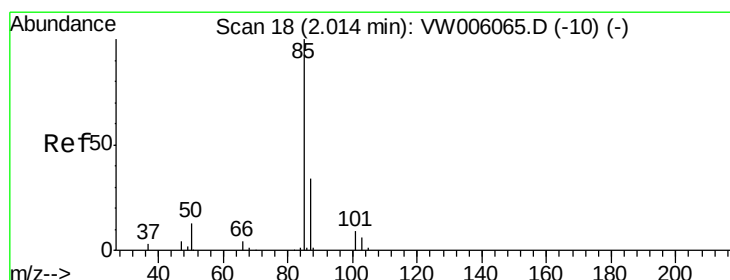
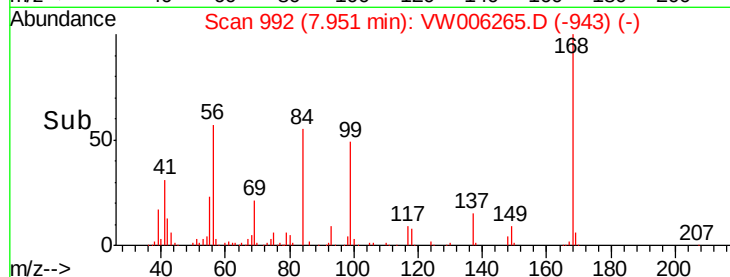
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 53.645 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006265.D

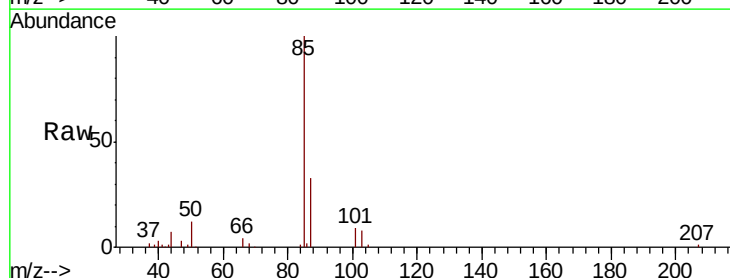
Acq: 22 Oct 2018 21:36

Tgt Ion: 85 Resp: 65726

Ion Ratio Lower Upper

85 100

87 33.0 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

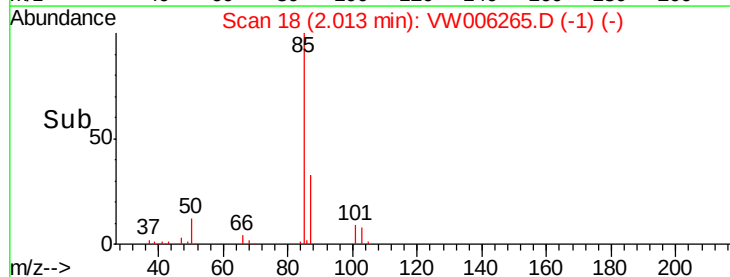
10000

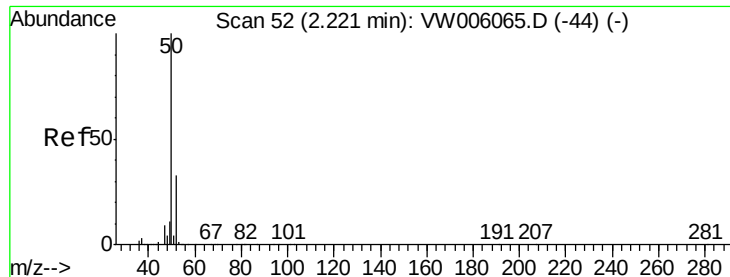
5000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 46.811 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 73827

Ion Ratio Lower Upper

50 100

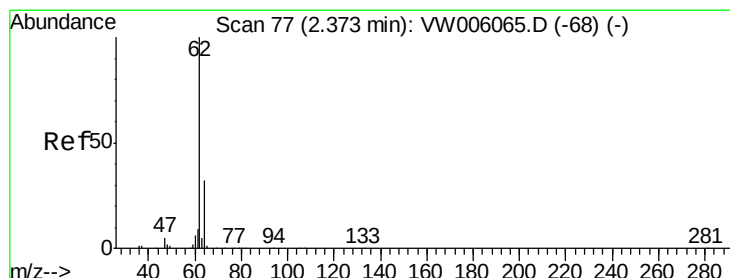
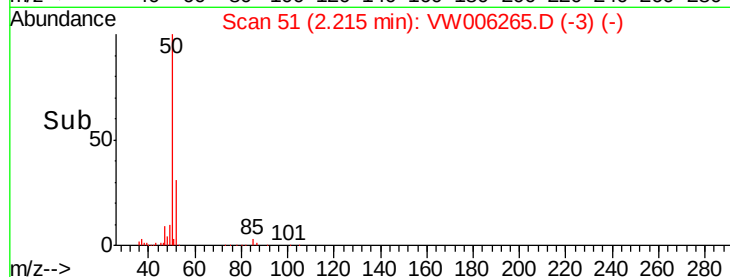
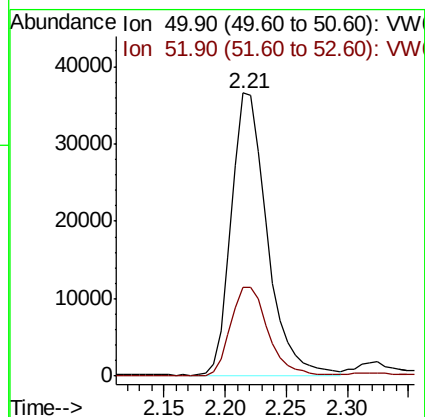
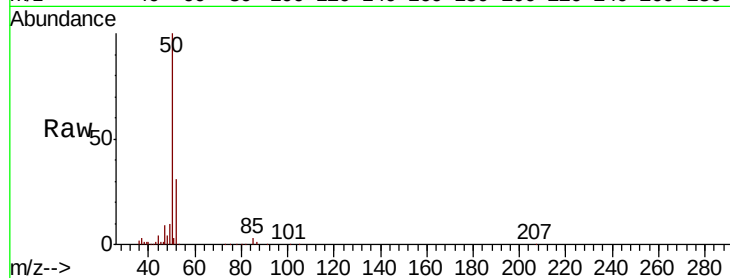
52 31.5 26.8 40.2

Manual Integrations

APPROVED

sam

10/24/2018 5:33:13 PM



#4

Vinyl Chloride

Concen: 50.762 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW006265.D

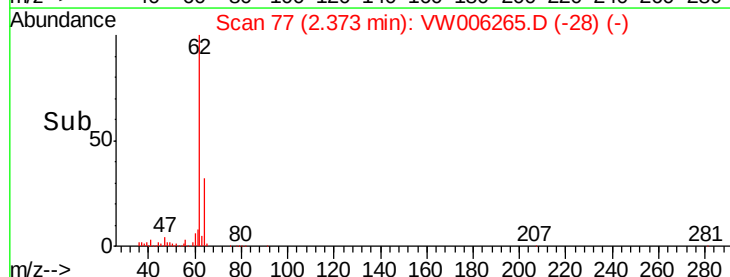
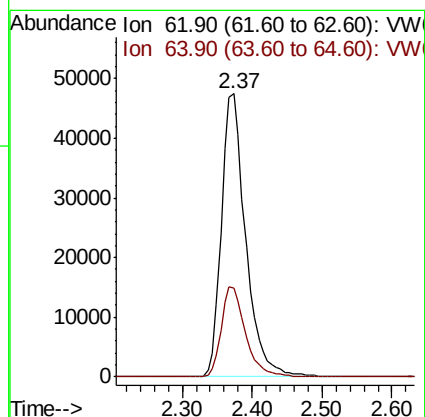
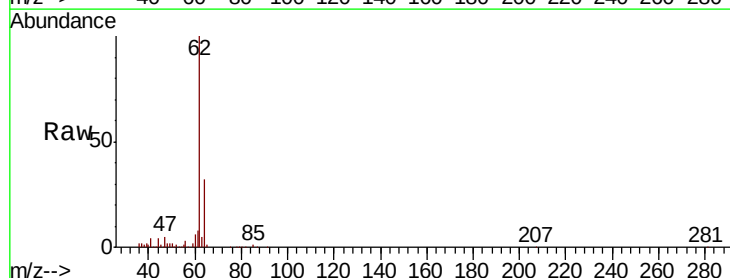
Acq: 22 Oct 2018 21:36

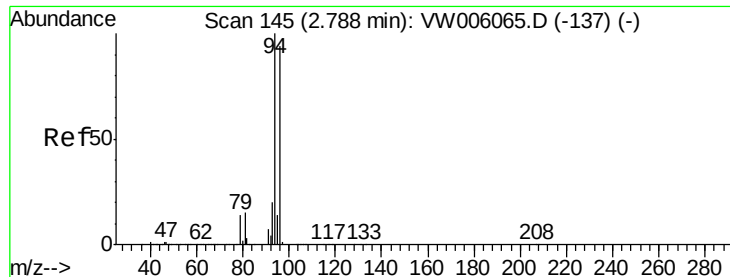
Tgt Ion: 62 Resp: 114330

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 48.184 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 98706

Ion Ratio Lower Upper

94 100

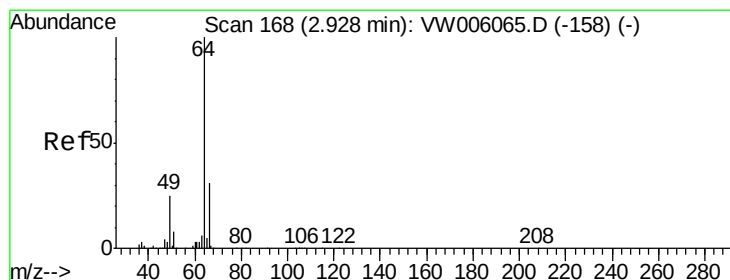
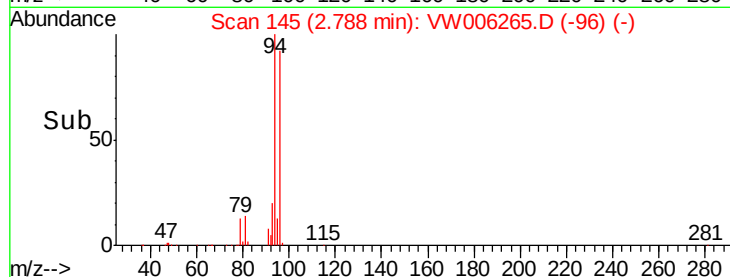
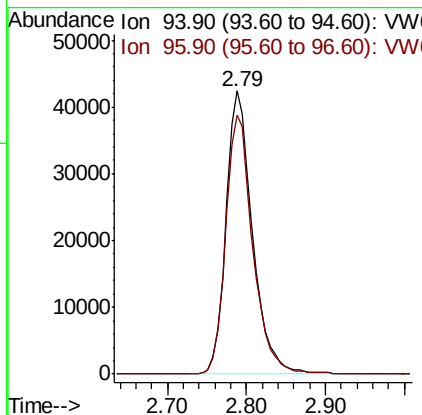
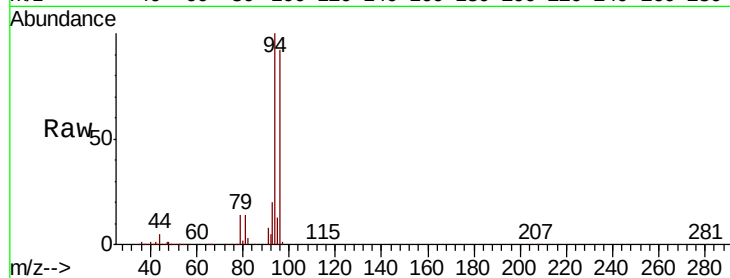
96 91.6 74.9 112.3

Manual Integrations

APPROVED

sam

10/24/2018 5:33:13 PM



#6

Chloroethane

Concen: 52.810 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006265.D

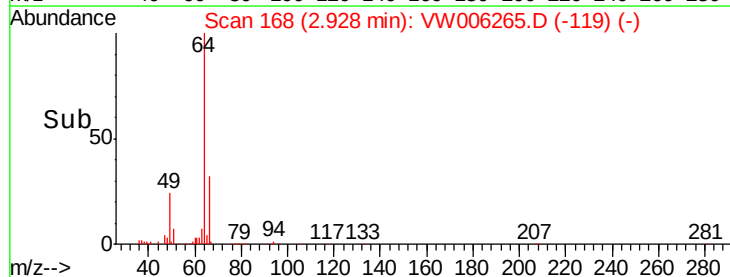
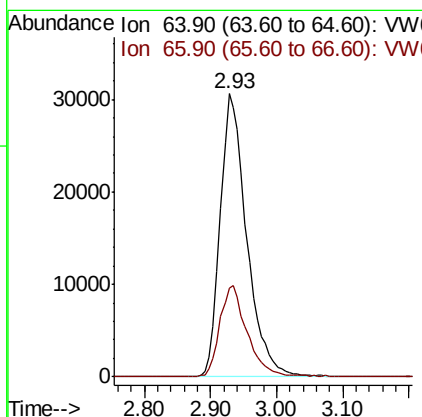
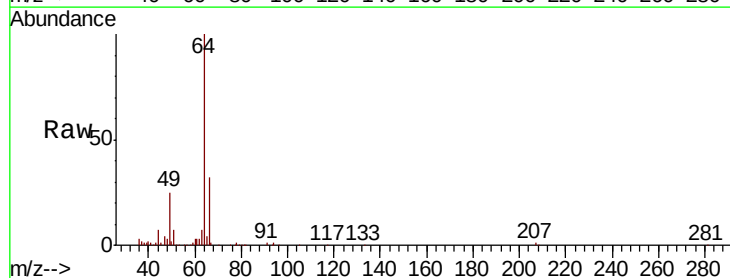
Acq: 22 Oct 2018 21:36

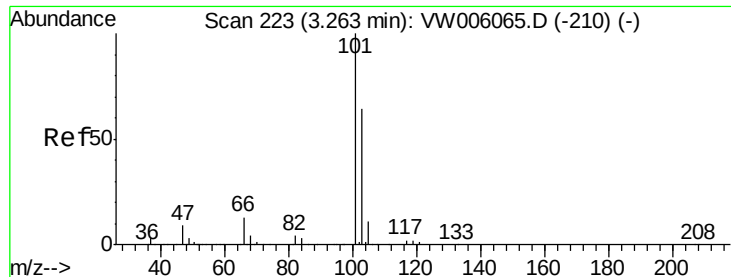
Tgt Ion: 64 Resp: 85239

Ion Ratio Lower Upper

64 100

66 31.4 24.9 37.3





#7

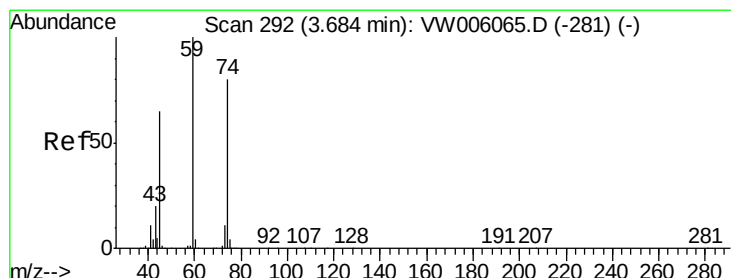
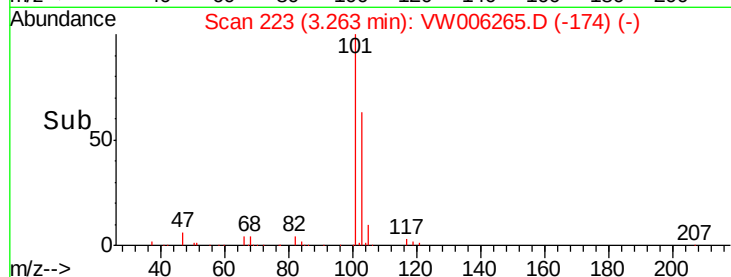
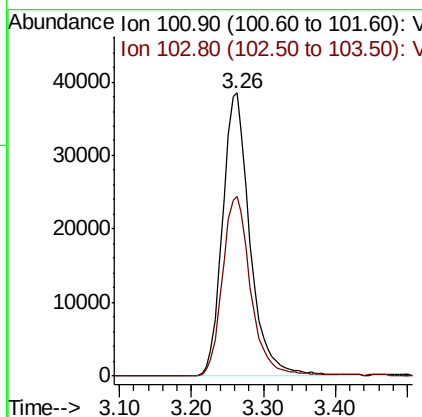
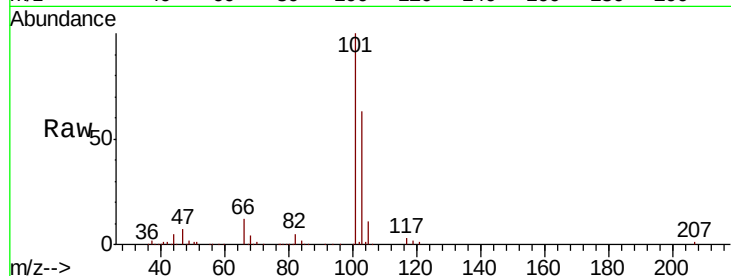
Trichlorofluoromethane
 Concen: 48.720 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.2	76.8

Manual Integrations
 APPROVED

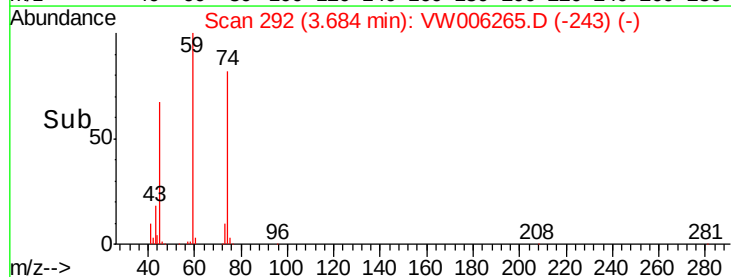
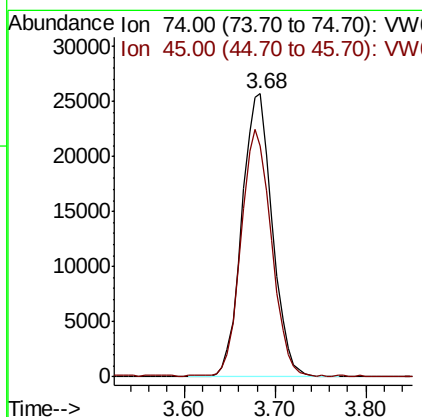
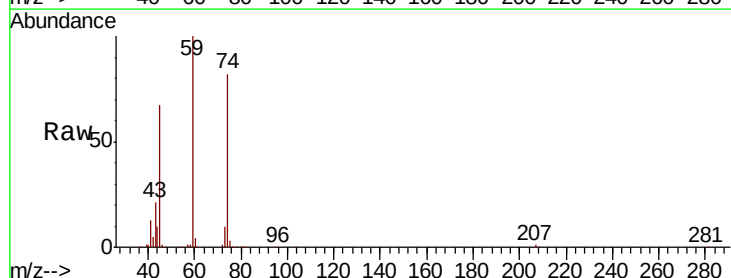
sam
 10/24/2018 5:33:13 PM

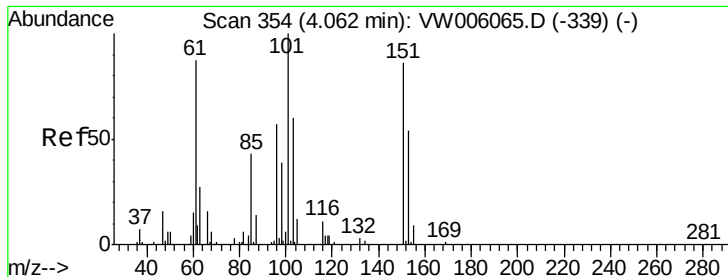


#8

Diethyl Ether
 Concen: 53.476 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.7	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.237 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

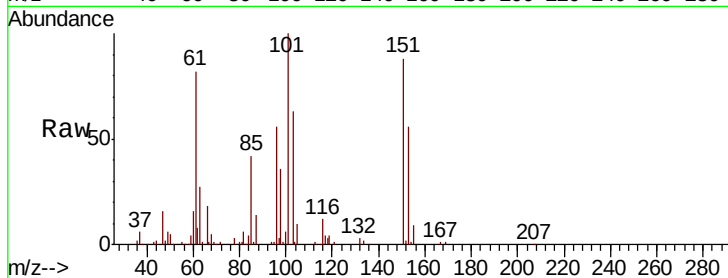
ClientSampleId :

VSTDCCC050EC

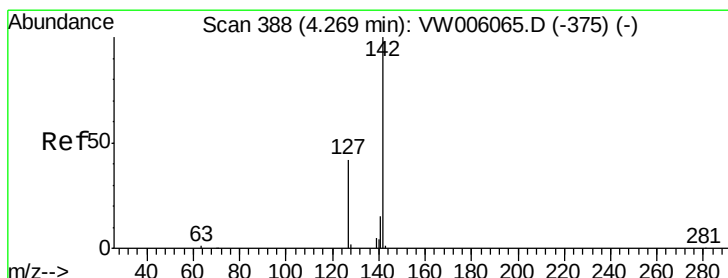
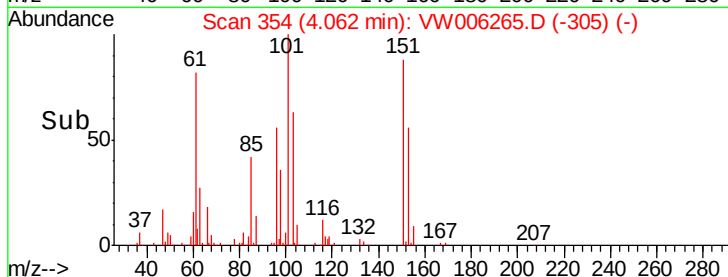
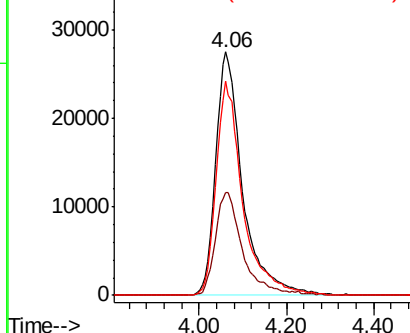
Tot Ion:	101	Resp:	117059
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.9	52.3
151	87.3	70.4	105.6

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.150 ug/l

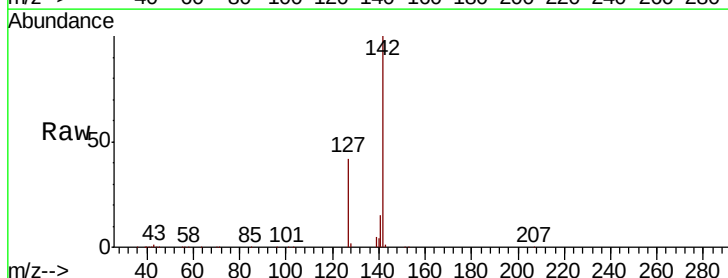
RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

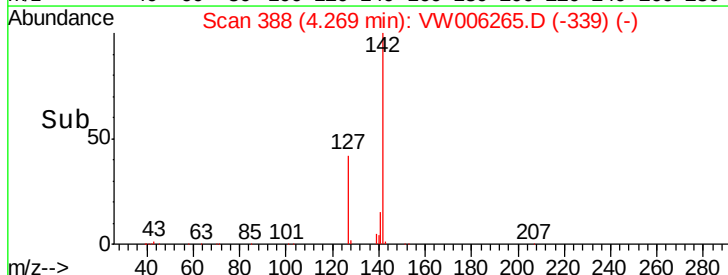
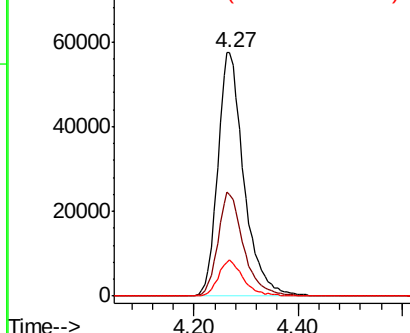
Lab File: VW006265.D

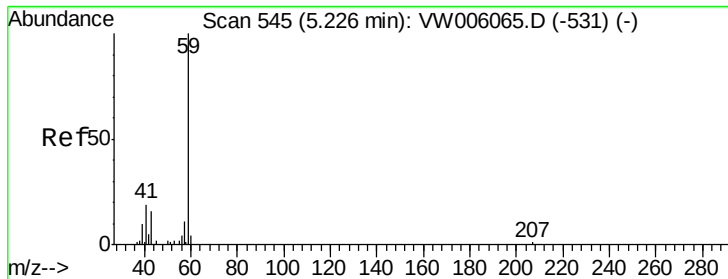
Acq: 22 Oct 2018 21:36

Tgt Ion:	142	Resp:	201834
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.6	50.4
141	14.1	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

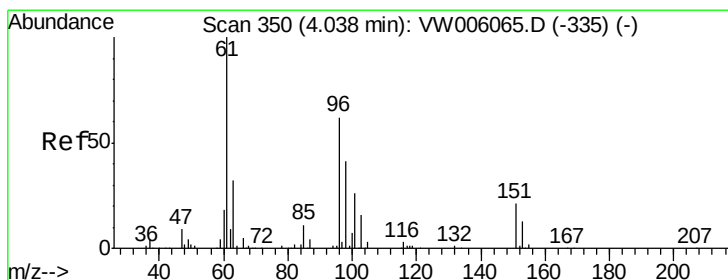
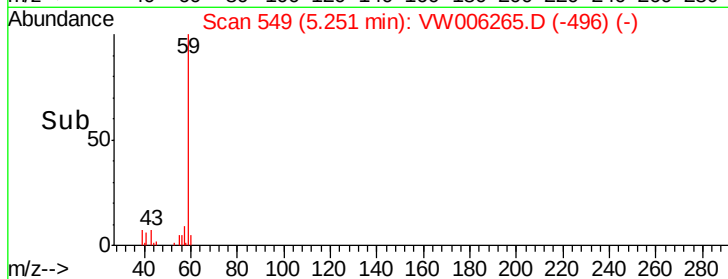
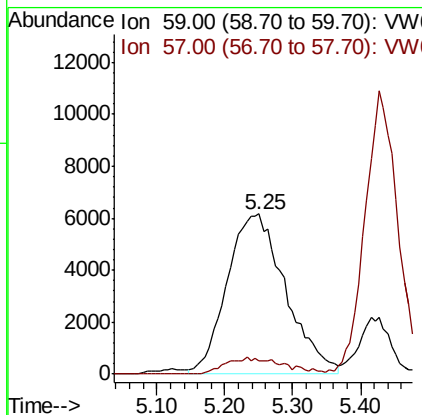
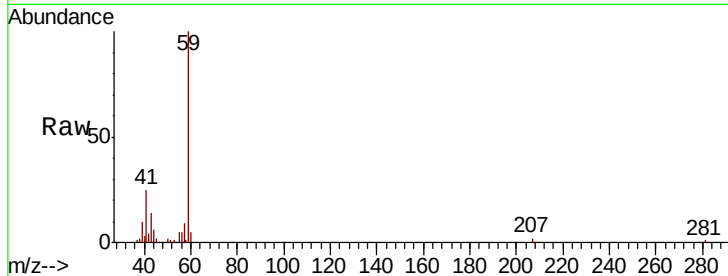
Tert butyl alcohol
 Concen: 267.044 ug/l
 RT: 5.25 min Scan# 549
 Delta R.T. 0.02 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.7	13.1

Manual Integrations
 APPROVED

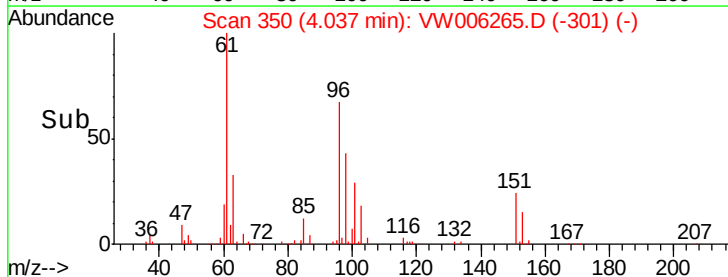
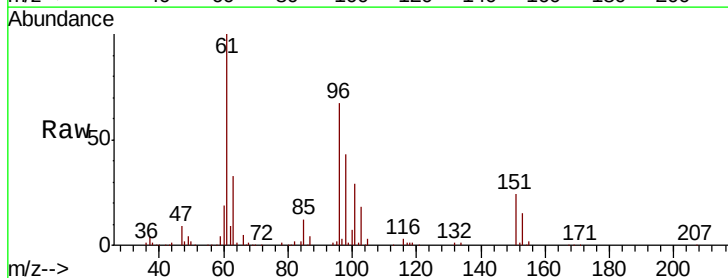
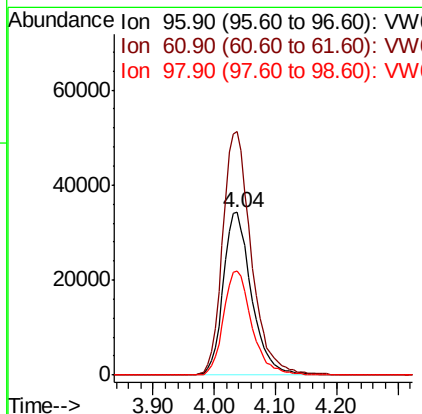
sam
 10/24/2018 5:33:13 PM

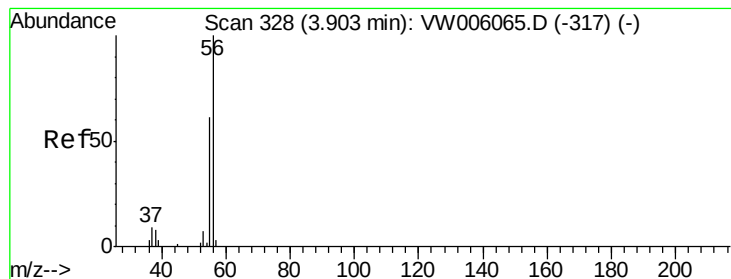


#12

1,1-Dichloroethene
 Concen: 52.746 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.6	129.3	193.9
98	63.9	53.1	79.7





#13

Acrolein

Concen: 233.245 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 31157

Ion Ratio Lower Upper

56 100

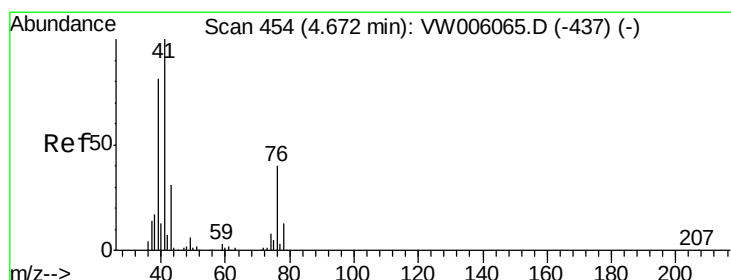
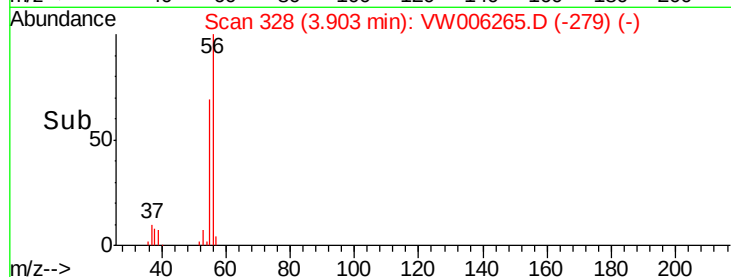
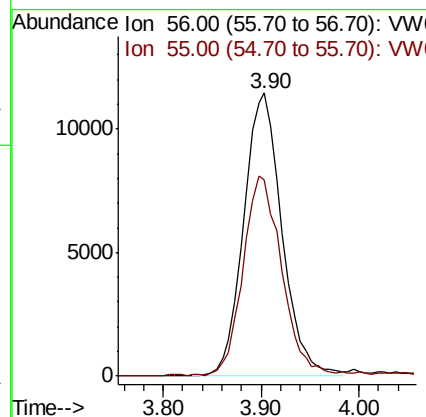
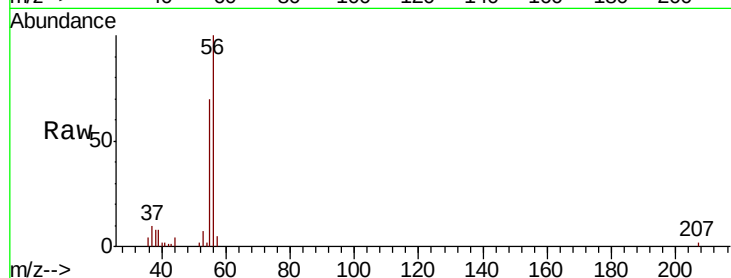
55 72.5 54.5 81.7

Manual Integrations

APPROVED

sam

10/24/2018 5:33:13 PM



#14

Allyl chloride

Concen: 51.816 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

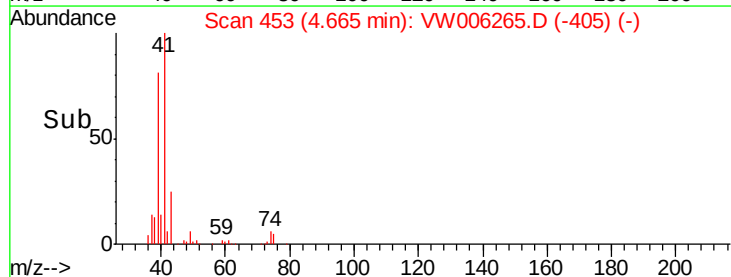
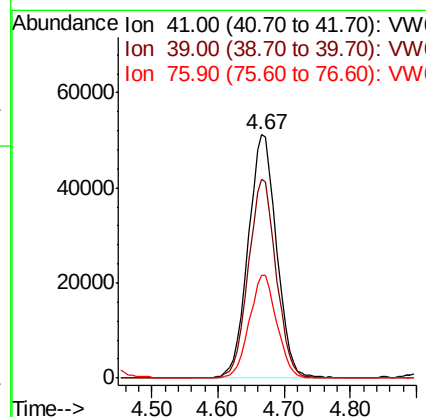
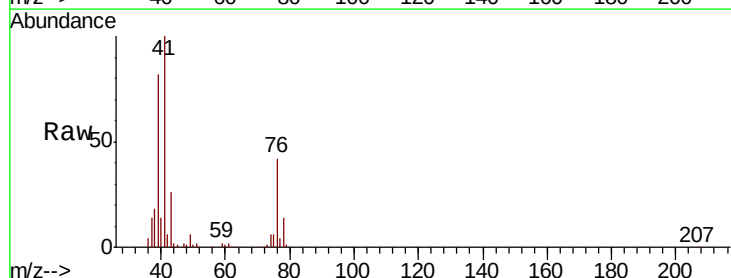
Tgt Ion: 41 Resp: 153266

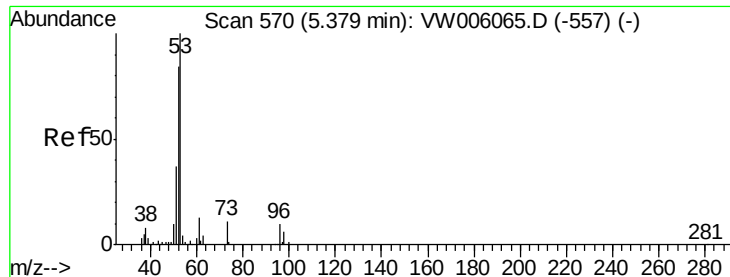
Ion Ratio Lower Upper

41 100

39 80.0 64.1 96.1

76 40.8 32.2 48.4





#15

Acrylonitrile

Concen: 284.319 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

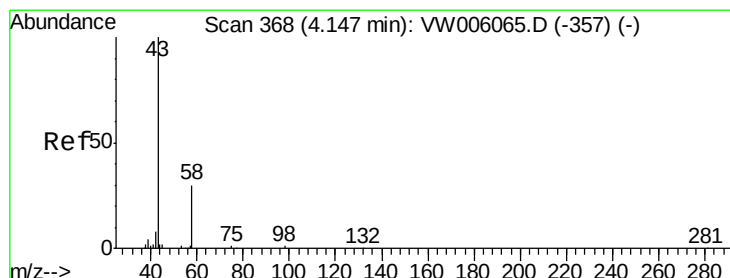
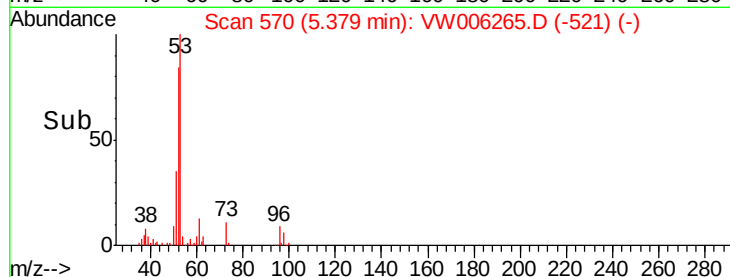
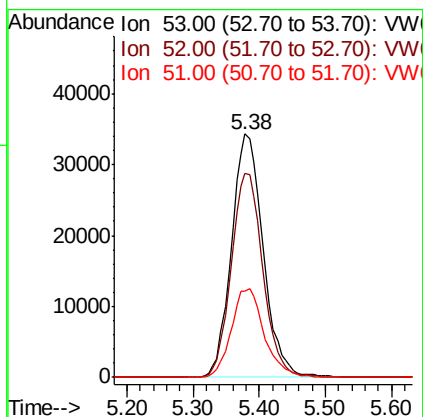
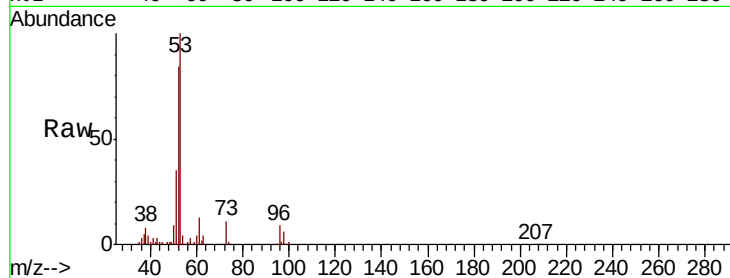
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	113714
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.9	100.3
51	37.9	30.1	45.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#16

Acetone

Concen: 277.021 ug/l

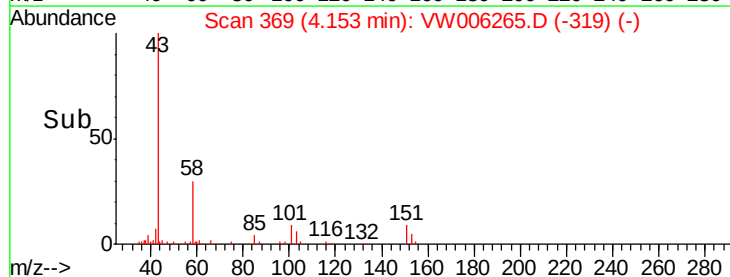
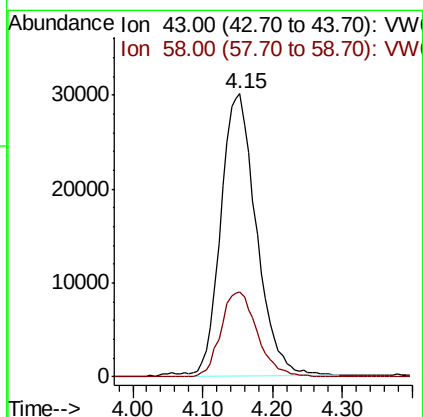
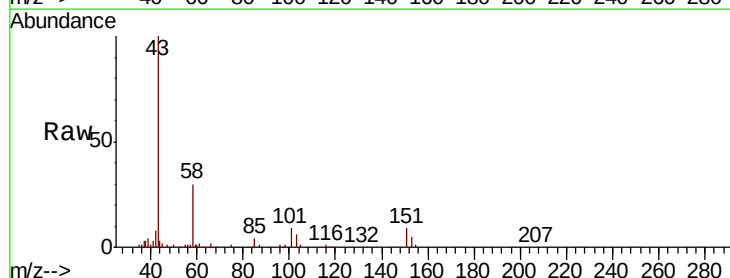
RT: 4.15 min Scan# 369

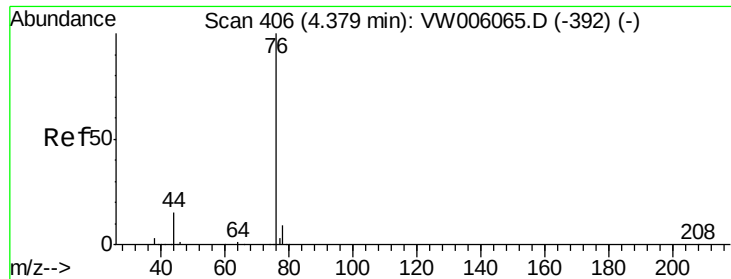
Delta R.T. 0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion:	43	Resp:	106061
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.0	36.0





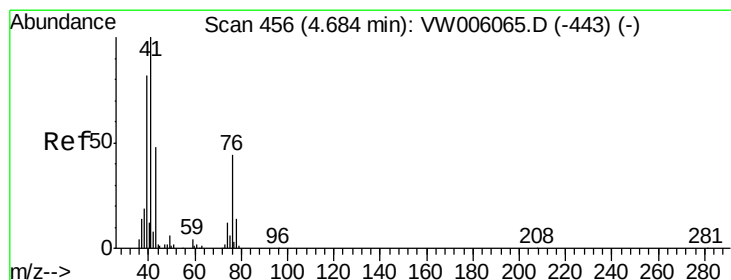
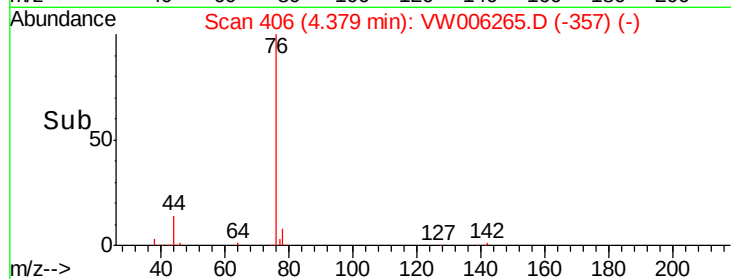
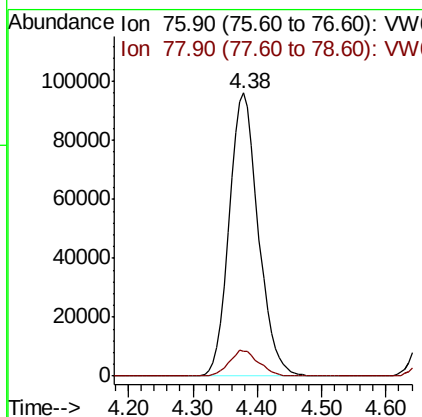
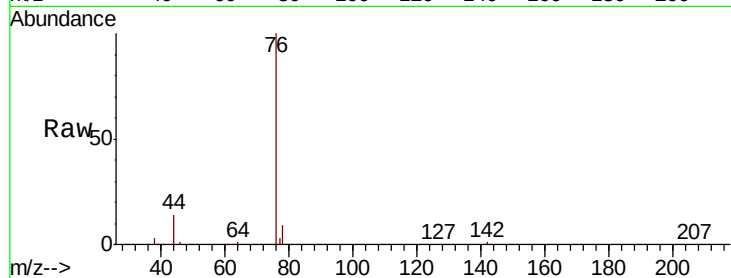
#17
Carbon Disulfide
Concen: 48.664 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

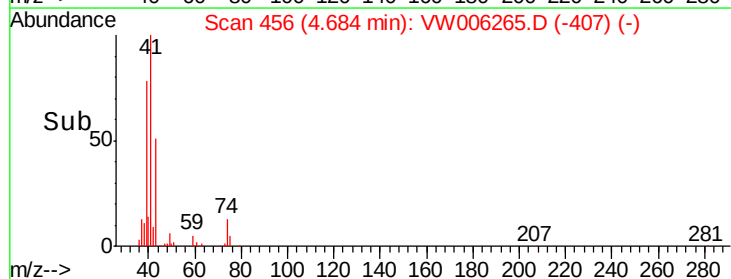
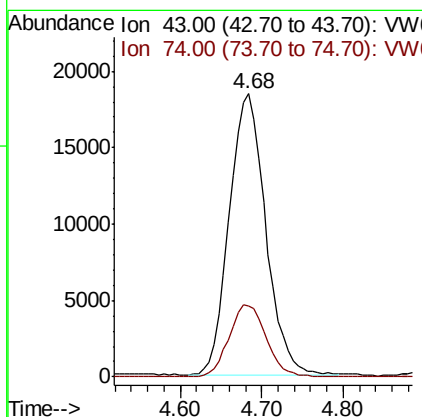
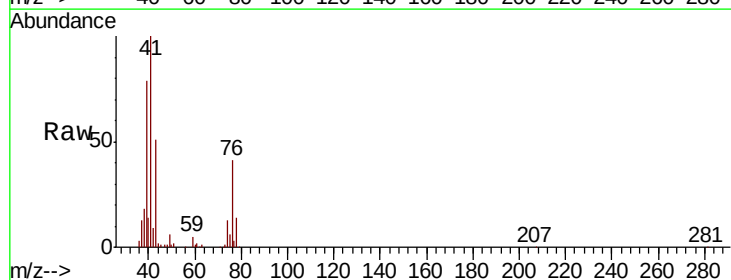
Manual Integrations
APPROVED

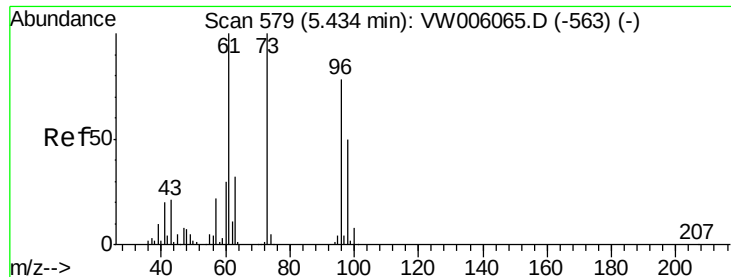
sam
10/24/2018 5:33:13 PM



#18
Methyl Acetate
Concen: 55.067 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.5	30.7





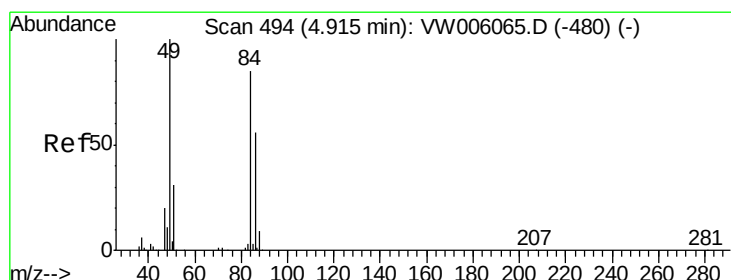
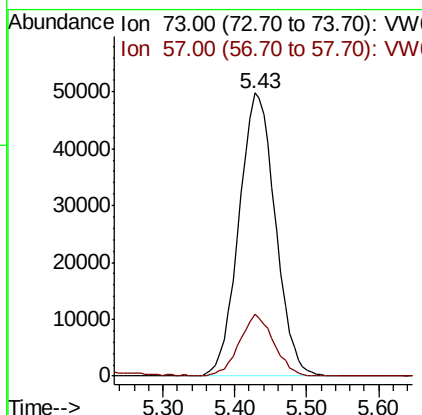
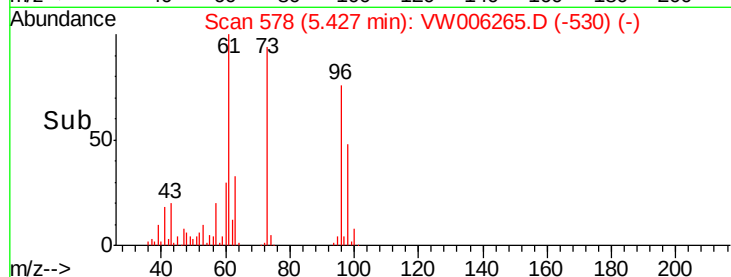
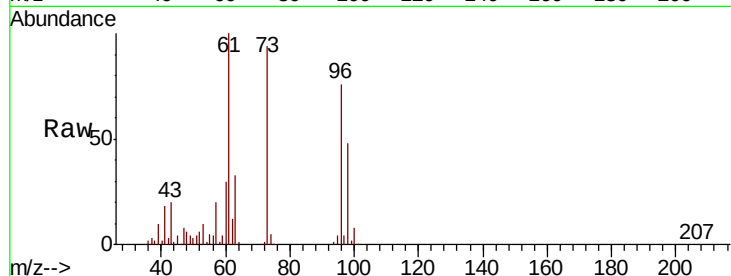
#19
Methyl tert-butyl Ether
Concen: 55.408 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

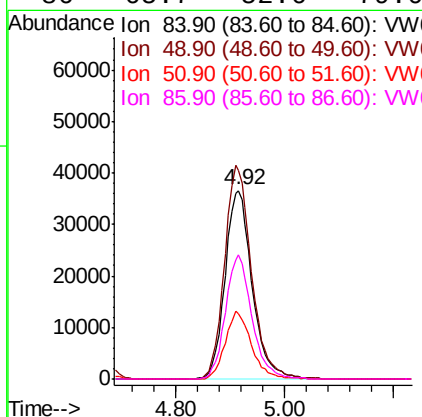
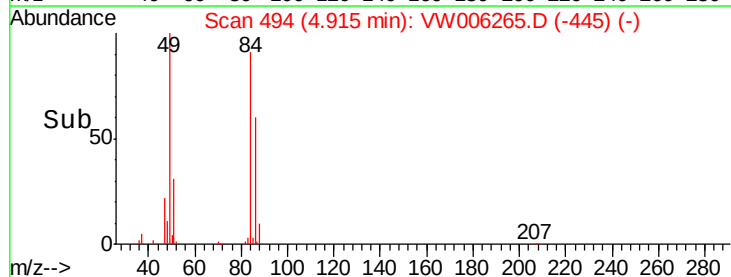
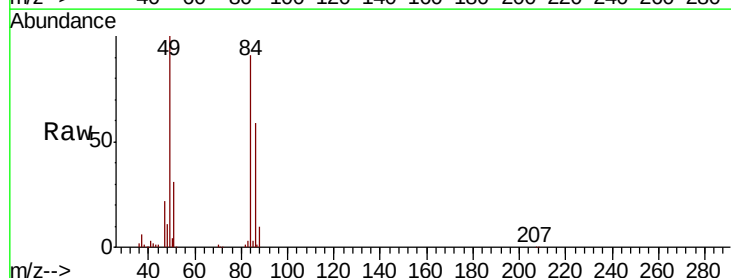
Manual Integrations
APPROVED

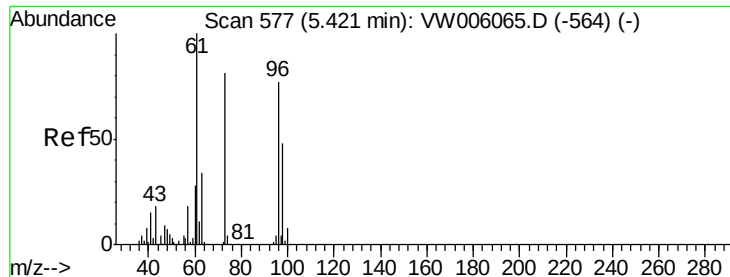
sam
10/24/2018 5:33:13 PM



#20
Methylene Chloride
Concen: 58.766 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.4	93.6	140.4
51	34.5	29.0	43.4
86	65.7	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 53.483 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

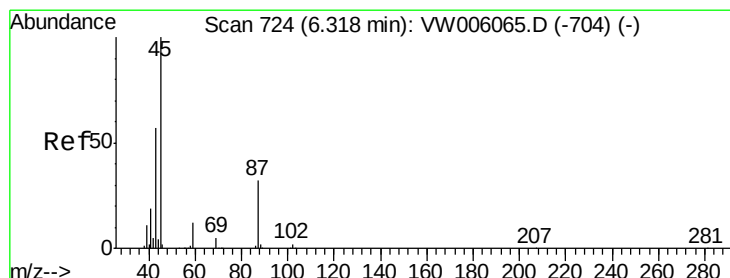
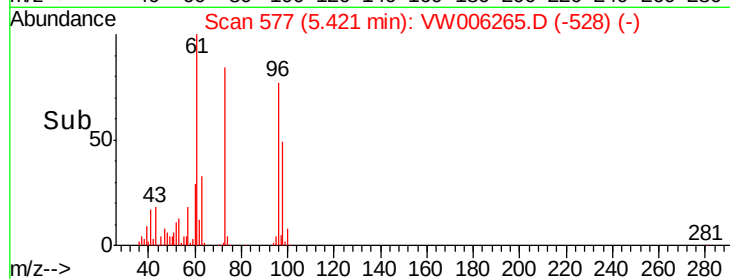
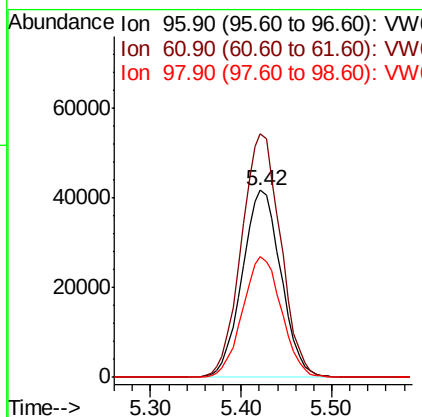
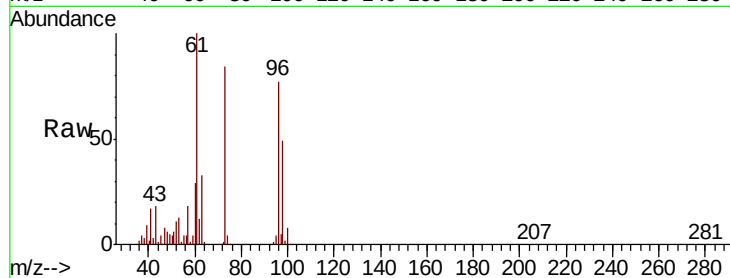
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123494
Ion	Ratio	Lower	Upper
96	100		
61	130.0	104.5	156.7
98	64.4	50.6	75.8

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#22

Diisopropyl ether

Concen: 54.931 ug/l

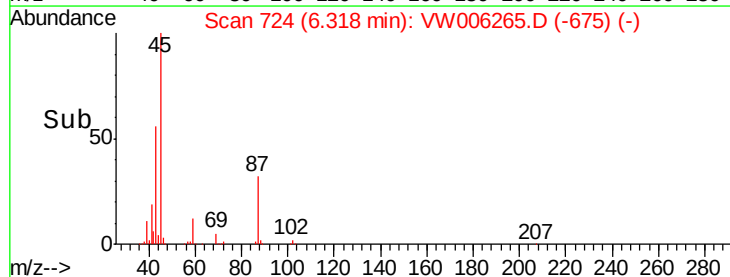
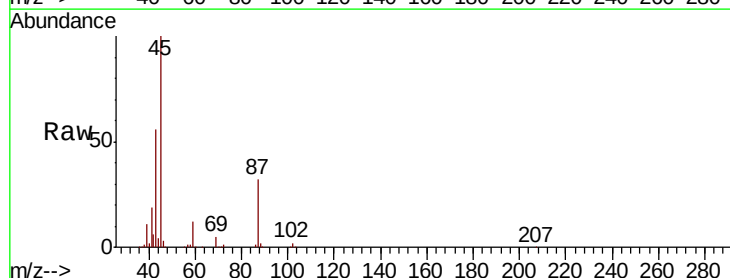
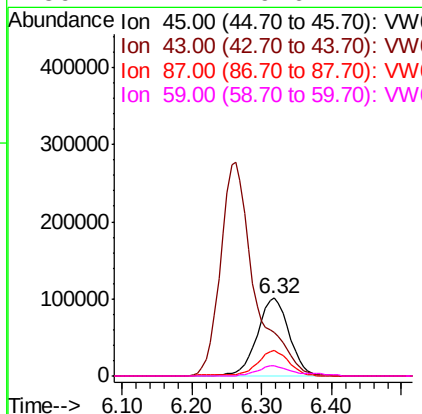
RT: 6.32 min Scan# 724

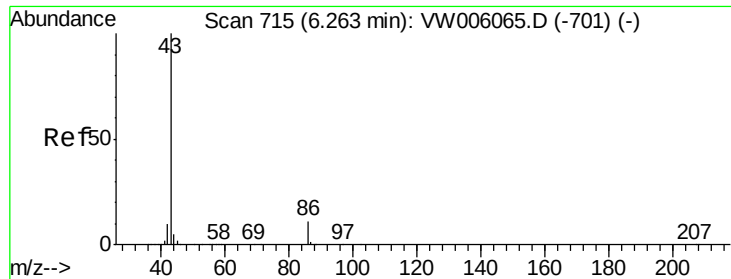
Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion:	45	Resp:	321084
Ion	Ratio	Lower	Upper
45	100		
43	55.3	45.7	68.5
87	32.4	25.9	38.9
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 270.790 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 934108

Ion Ratio Lower Upper

43 100

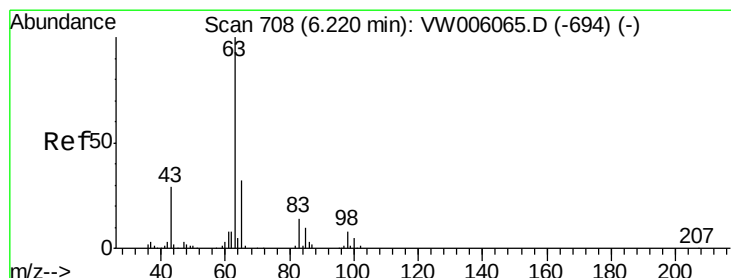
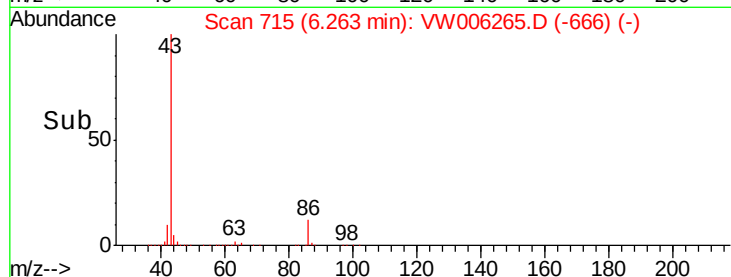
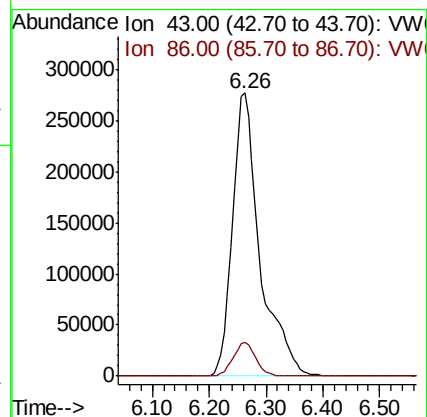
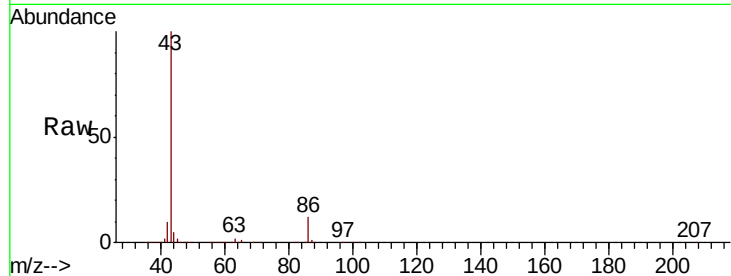
86 12.1 9.0 13.6

Manual Integrations

APPROVED

sam

10/24/2018 5:33:13 PM



#24

1,1-Dichloroethane

Concen: 55.044 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

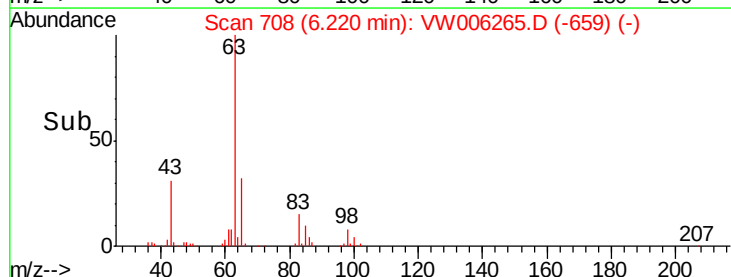
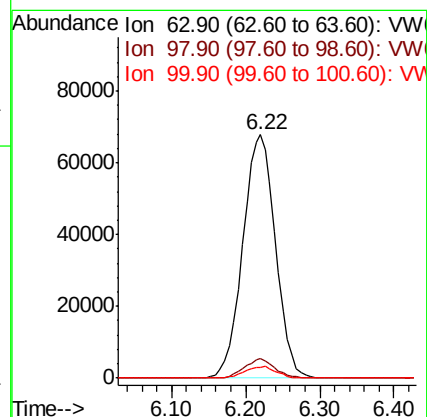
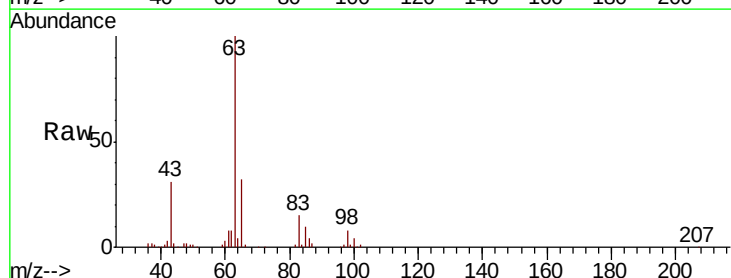
Tgt Ion: 63 Resp: 207608

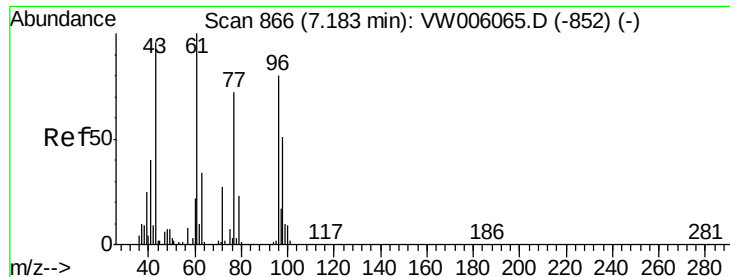
Ion Ratio Lower Upper

63 100

98 7.9 3.8 11.2

100 4.3 2.5 7.5





#25

2-Butanone

Concen: 273.341 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 151572

Ion Ratio Lower Upper

43 100

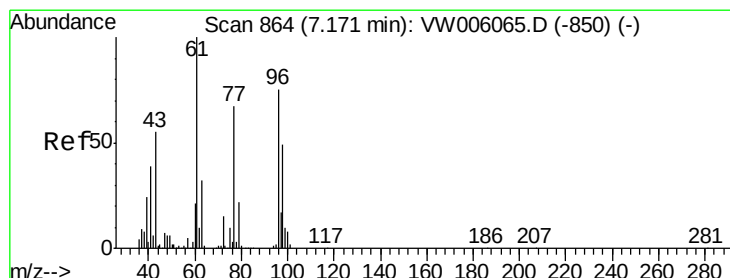
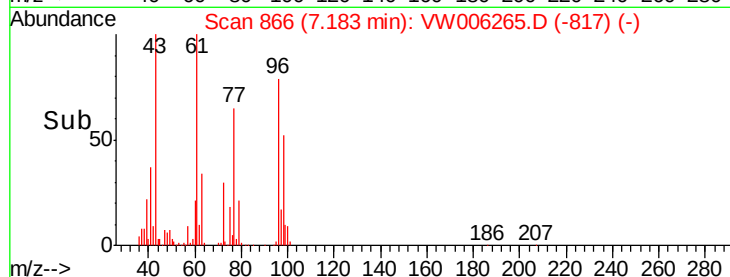
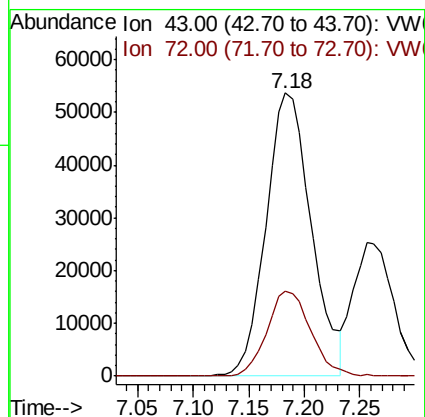
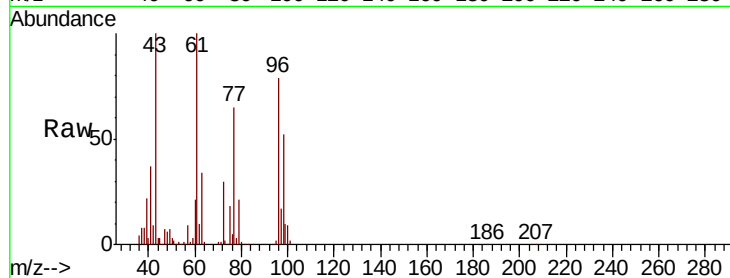
72 30.3 22.8 34.2

Manual Integrations

APPROVED

sam

10/24/2018 5:33:13 PM



#26

2,2-Dichloropropane

Concen: 49.602 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006265.D

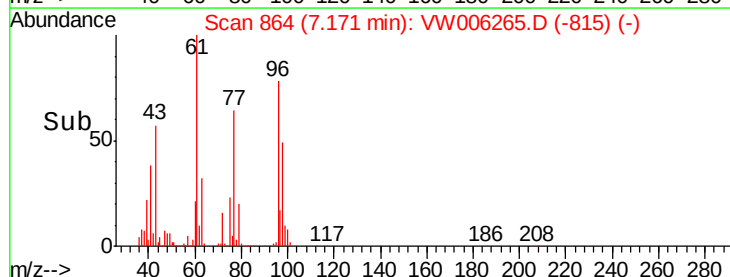
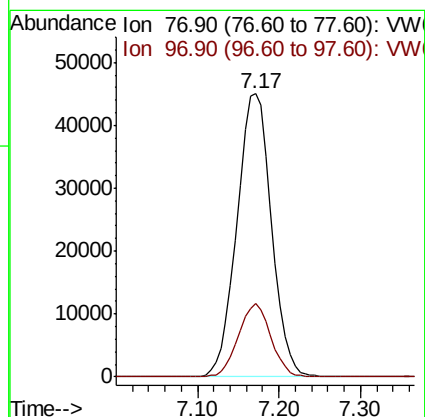
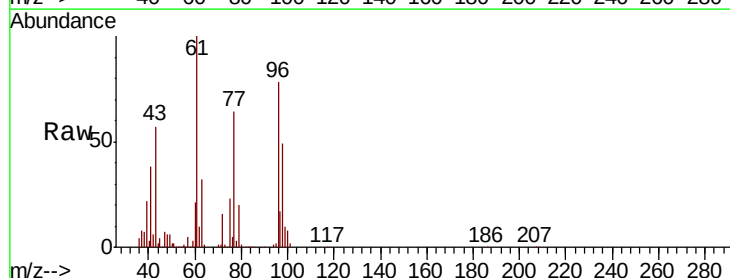
Acq: 22 Oct 2018 21:36

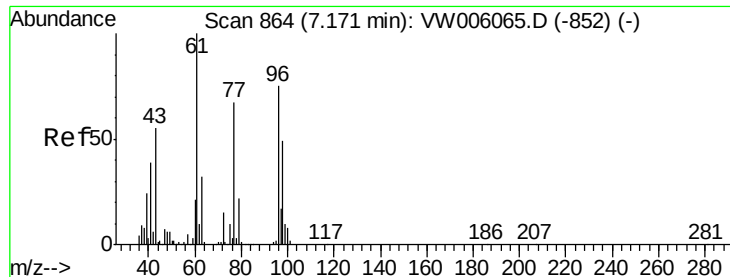
Tgt Ion: 77 Resp: 131949

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.4





#27

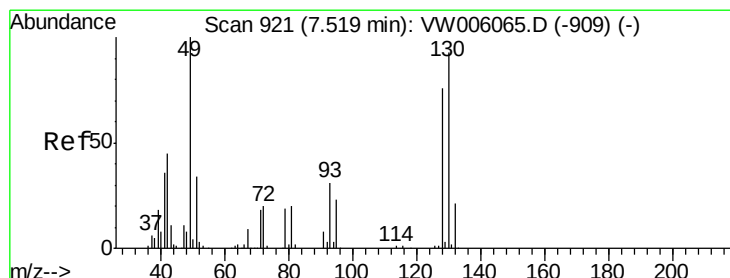
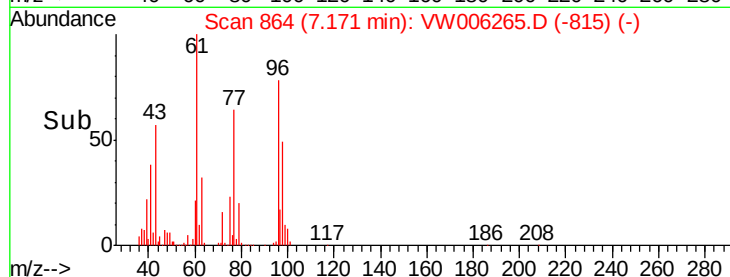
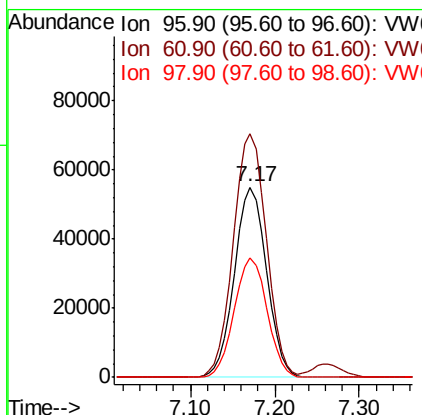
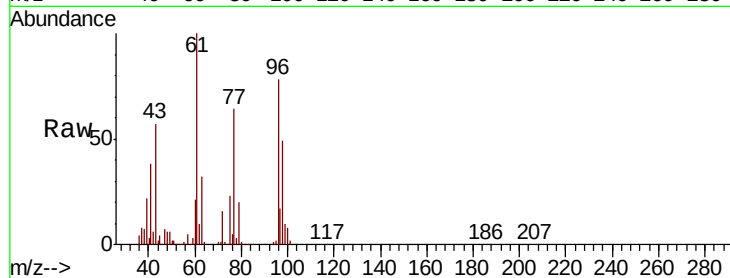
cis-1,2-Dichloroethene
 Concen: 55.811 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	267.2
98	64.1	0.0	128.6

Manual Integrations
 APPROVED

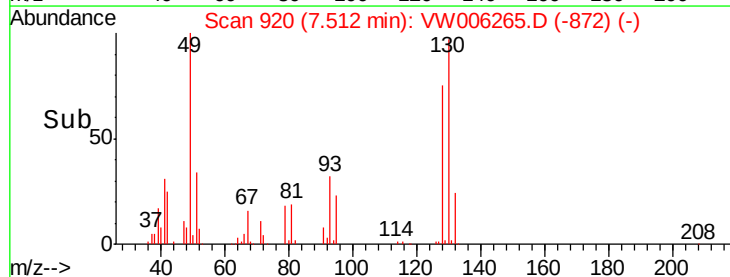
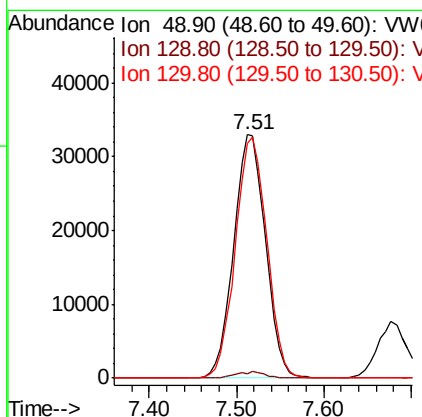
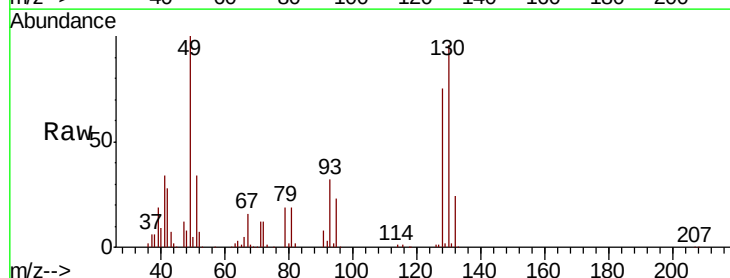
sam
 10/24/2018 5:33:13 PM

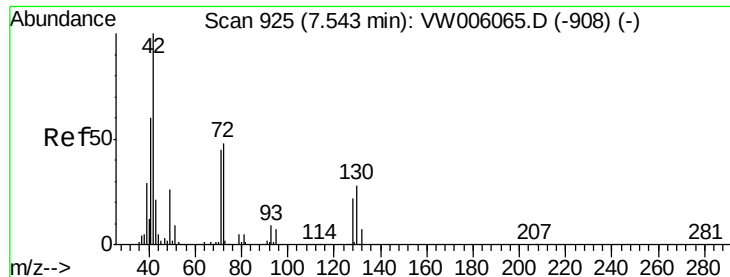


#28

Bromochloromethane
 Concen: 57.396 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	97.8	73.8	110.8





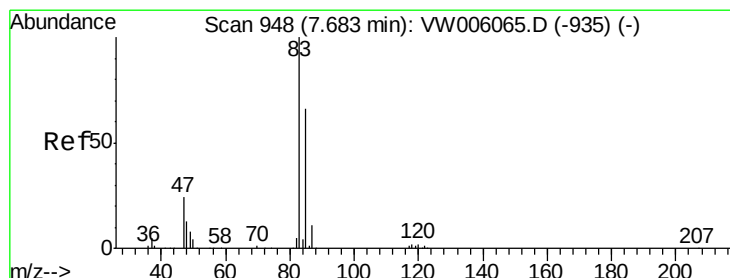
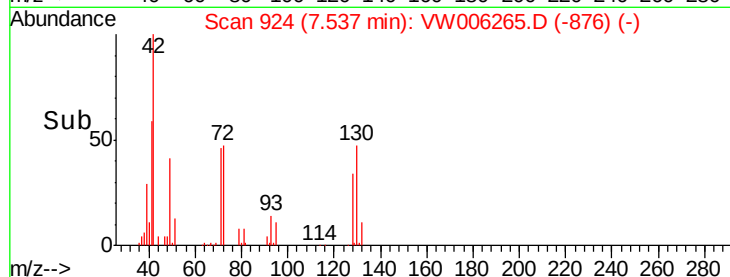
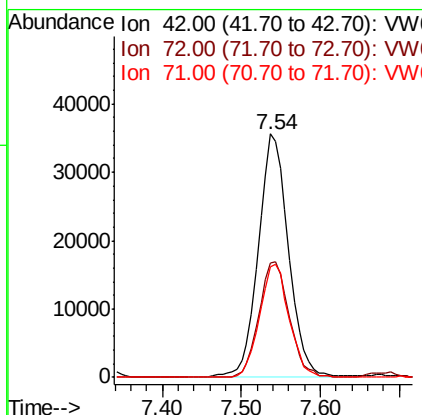
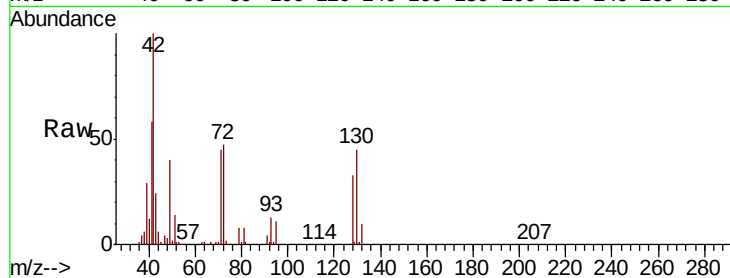
#29
Tetrahydrofuran
Concen: 278.162 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.0	57.0
71	45.6	35.3	52.9

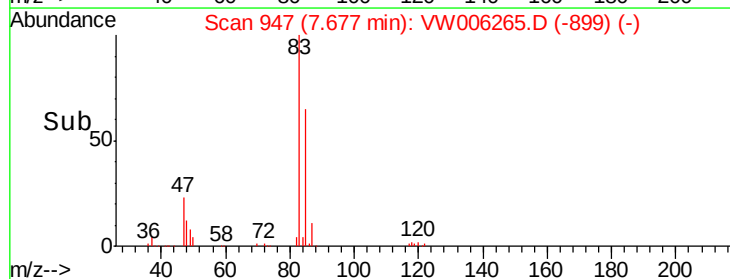
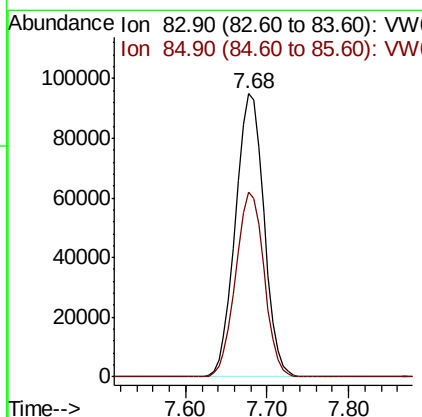
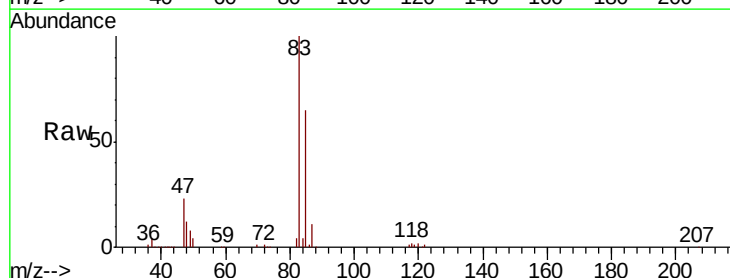
Manual Integrations
APPROVED

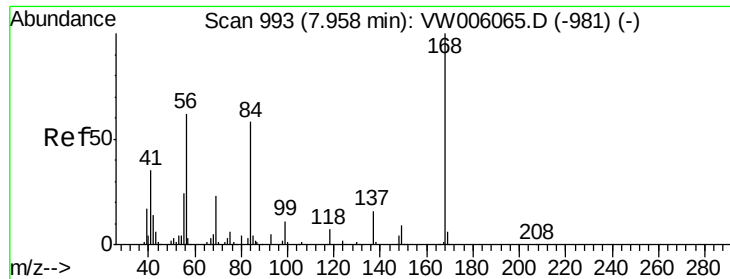
sam
10/24/2018 5:33:13 PM



#30
Chloroform
Concen: 55.928 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	79.0





#31

Cyclohexane

Concen: 48.267 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

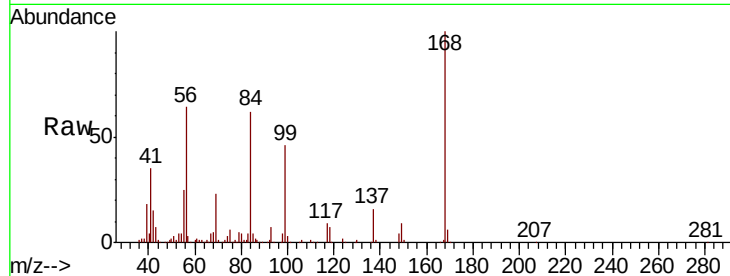
ClientSampleId :

VSTDCCC050EC

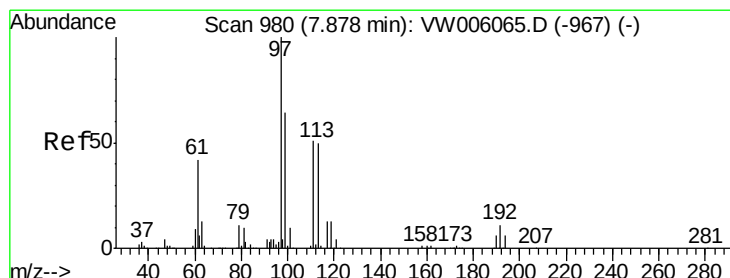
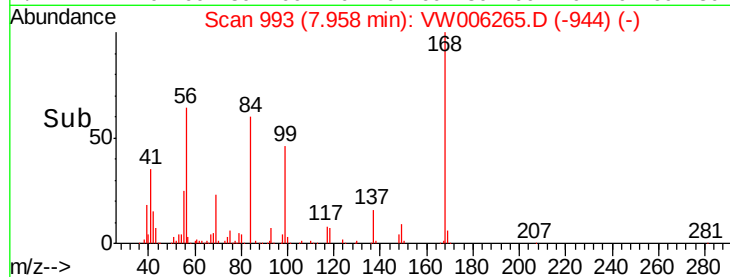
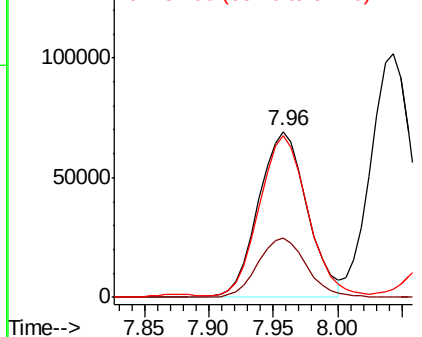
Tot Ion:	56	Resp:	181291
Ion Ratio	Lower	Upper	
56	100		
69	35.7	29.4	44.0
84	95.8	74.0	111.0

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



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



#32

1,1,1-Trichloroethane

Concen: 53.626 ug/l

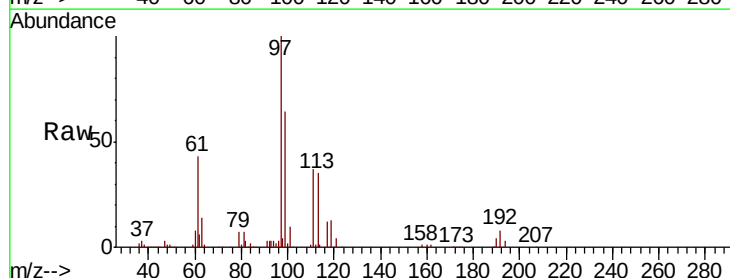
RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

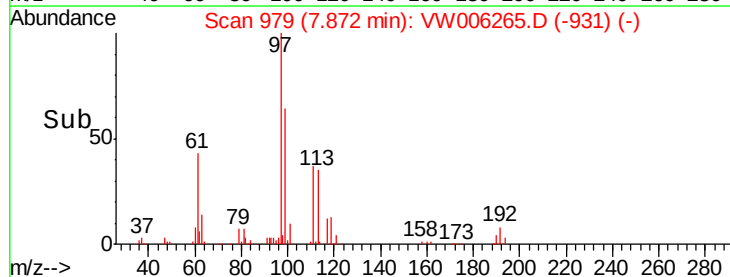
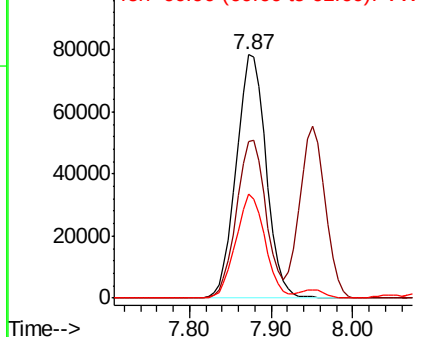
Lab File: VW006265.D

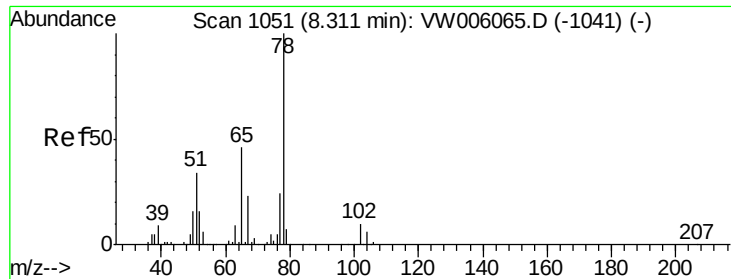
Acq: 22 Oct 2018 21:36

Tgt Ion:	97	Resp:	198780
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.9	76.3
61	42.1	33.7	50.5



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





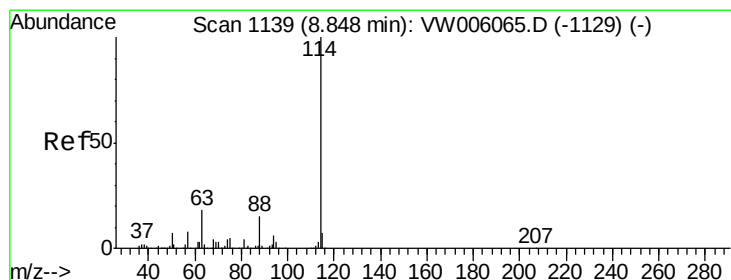
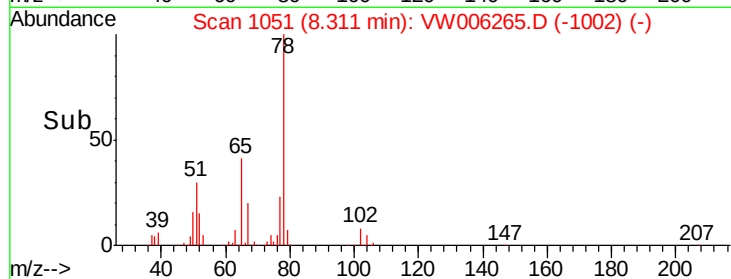
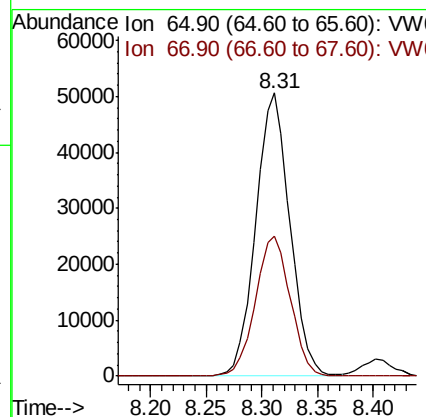
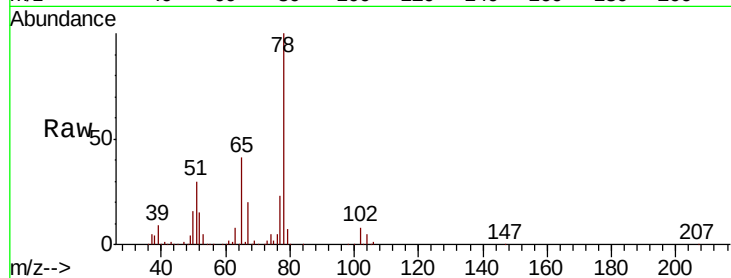
#33
 1,2-Dichloroethane-d4
 Concen: 52.484 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107731		
67	50.9	0.0	101.0	

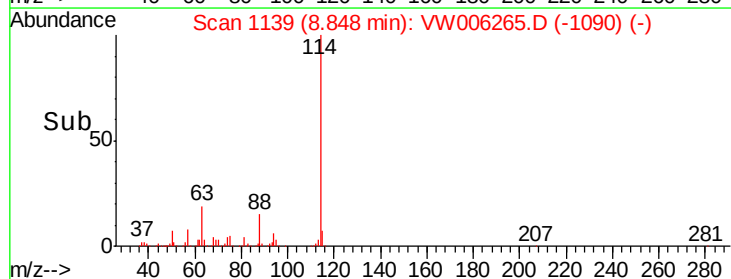
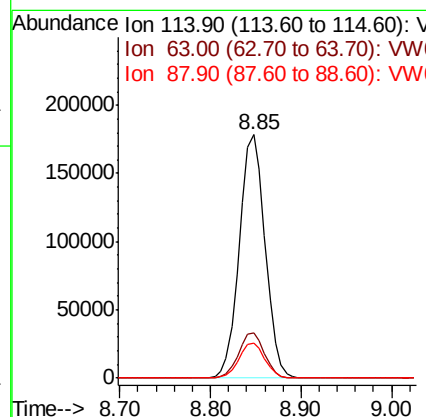
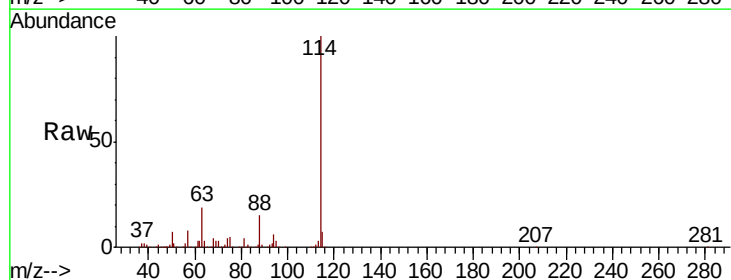
Manual Integrations
 APPROVED

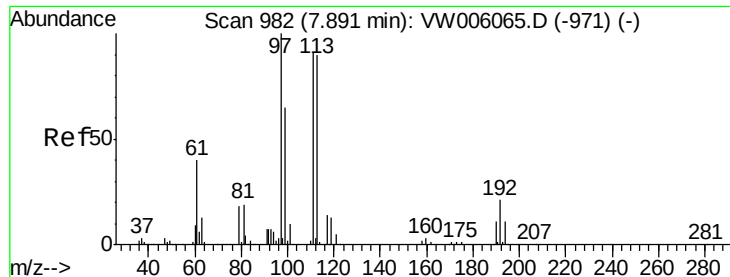
sam
 10/24/2018 5:33:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353291		
63	18.7	0.0	36.8	
88	14.6	0.0	29.0	





#35

Dibromofluoromethane

Concen: 53.320 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

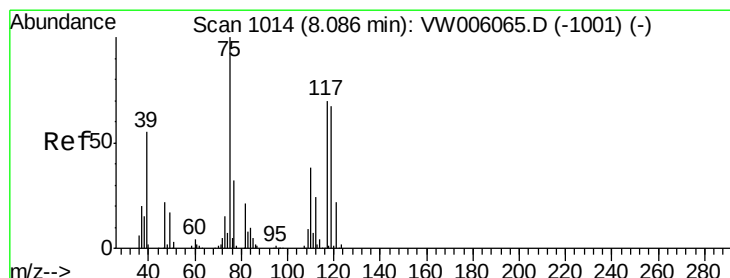
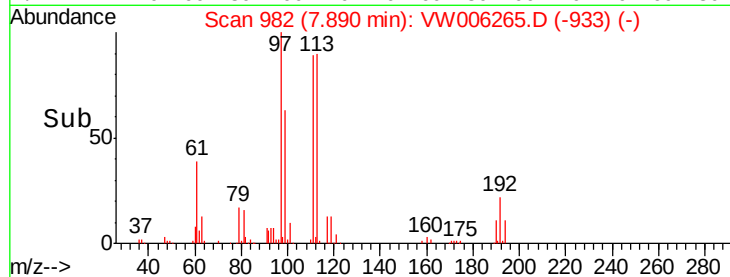
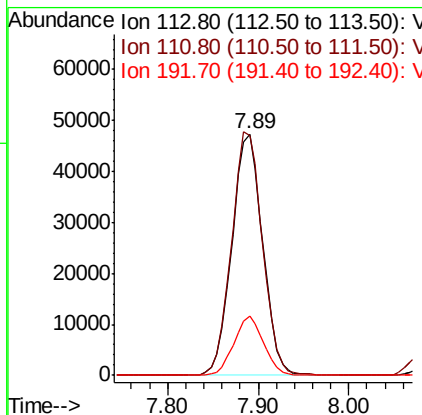
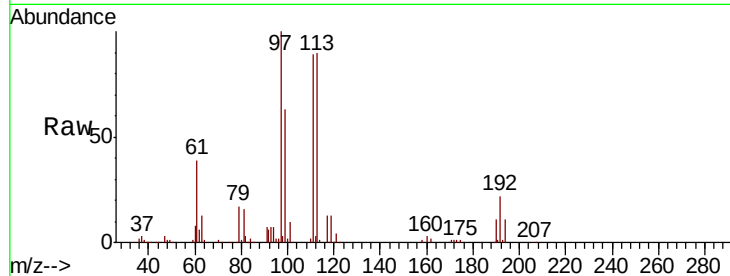
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	111310
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.4	122.0
192	23.4	18.7	28.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#36

1,1-Dichloropropene

Concen: 53.531 ug/l

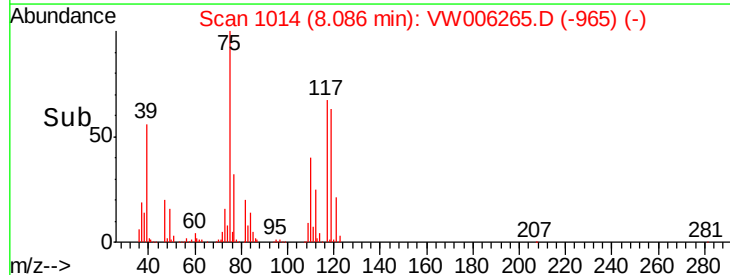
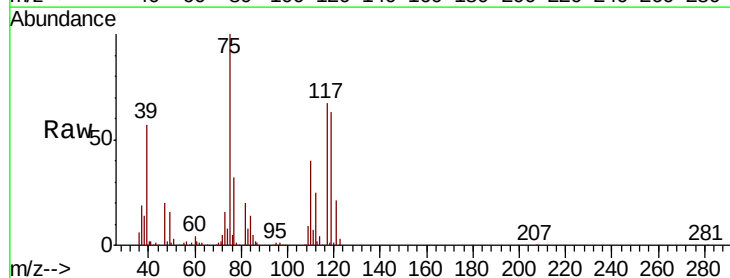
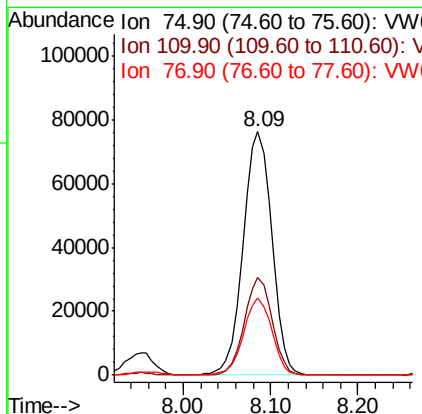
RT: 8.09 min Scan# 1014

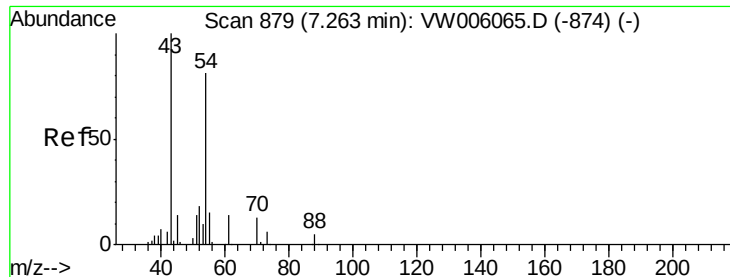
Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion:	75	Resp:	174315
Ion Ratio	Lower	Upper	
75	100		
110	38.5	19.1	57.1
77	31.4	25.0	37.4





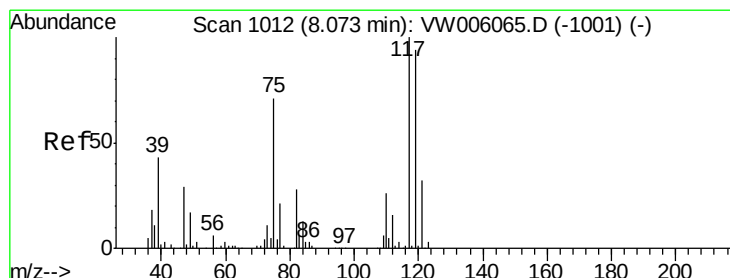
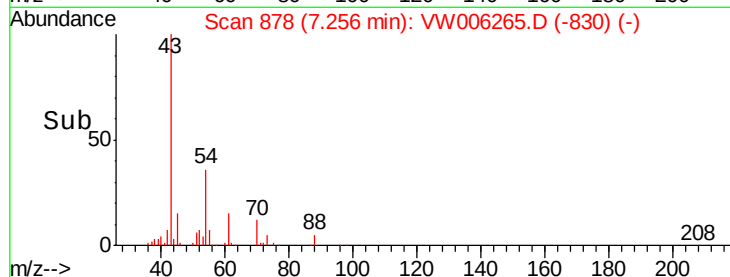
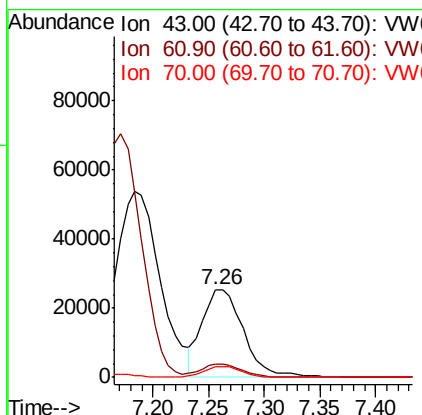
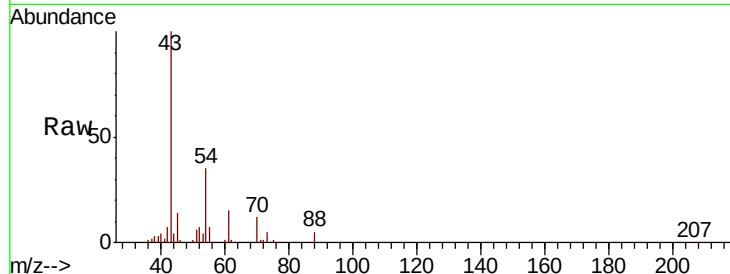
#37
Ethyl Acetate
Concen: 53.442 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	11.6	9.2	13.8

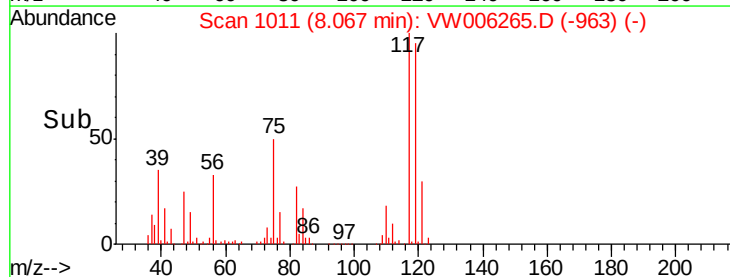
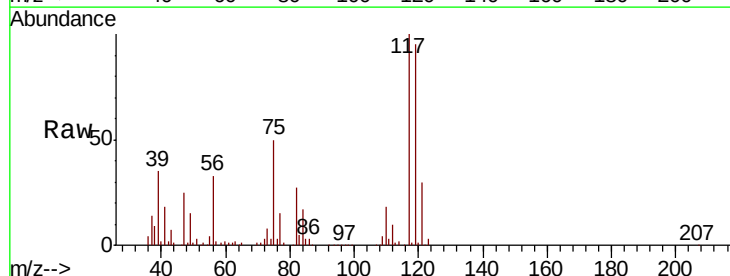
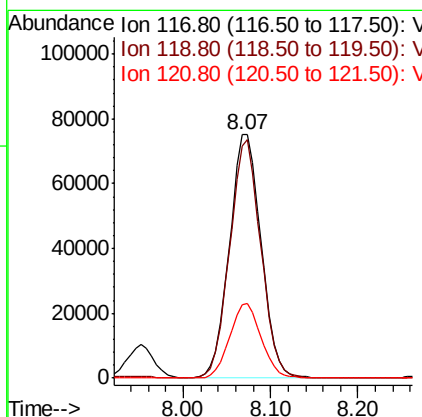
Manual Integrations
APPROVED

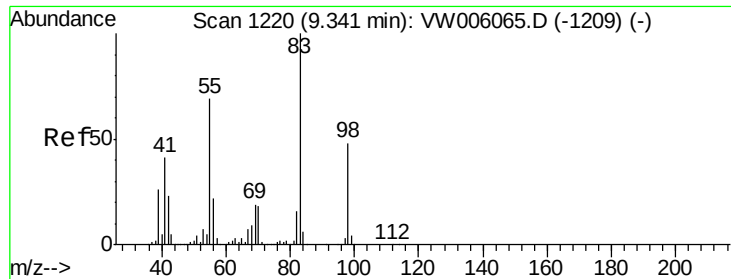
sam
10/24/2018 5:33:13 PM



#38
Carbon Tetrachloride
Concen: 53.003 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.2	112.8
121	30.1	25.3	37.9





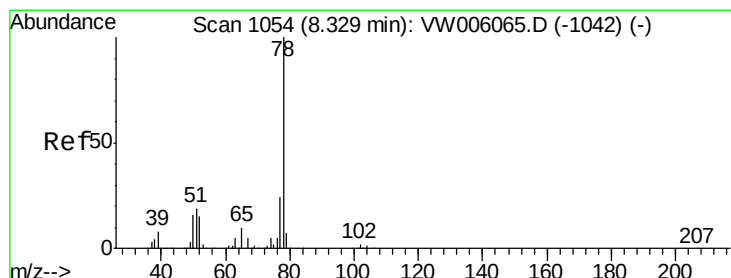
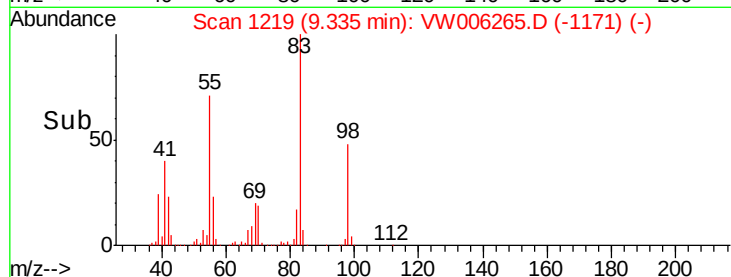
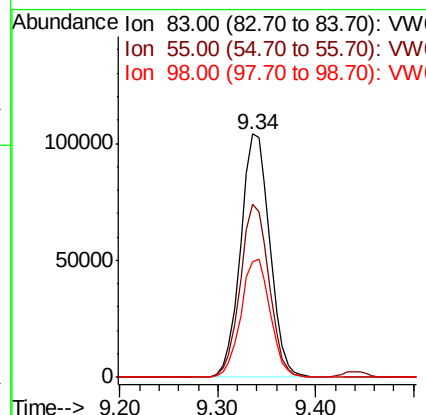
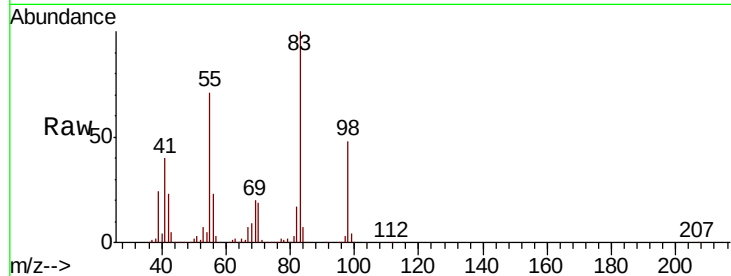
#39
Methylvlcyclohexane
Concen: 49.956 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	55.0	82.6
98	47.7	38.6	57.8

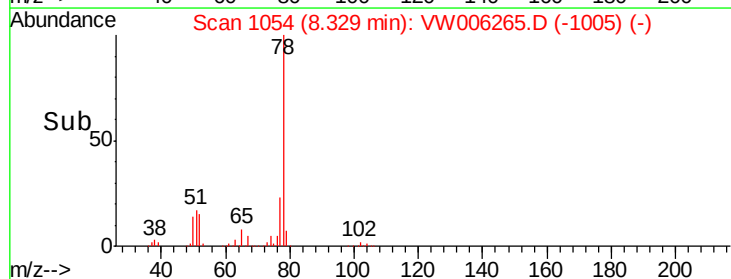
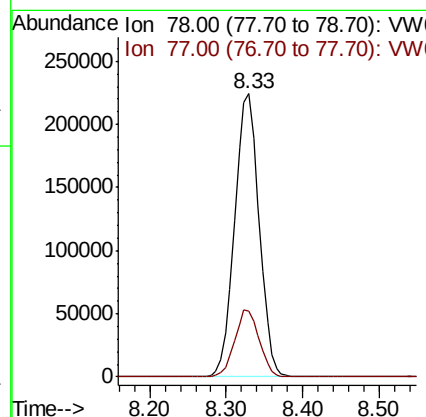
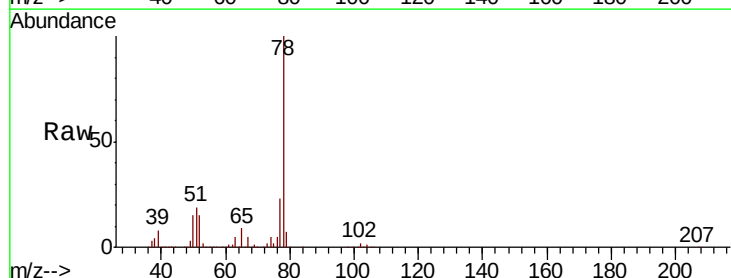
Manual Integrations
APPROVED

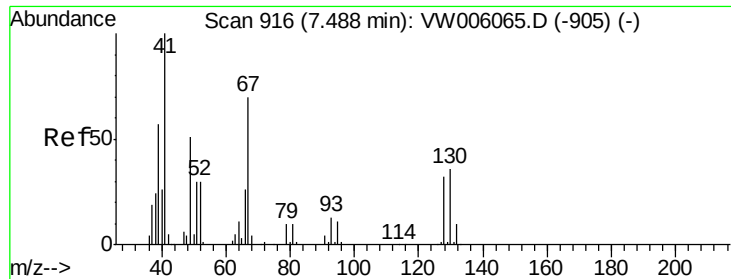
sam
10/24/2018 5:33:13 PM



#40
Benzene
Concen: 55.442 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.4	29.0





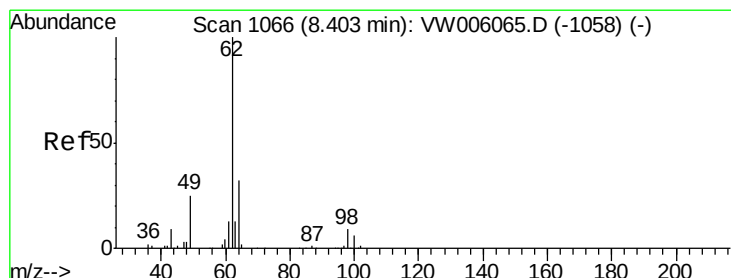
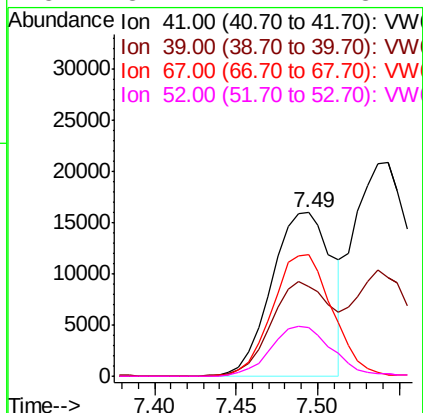
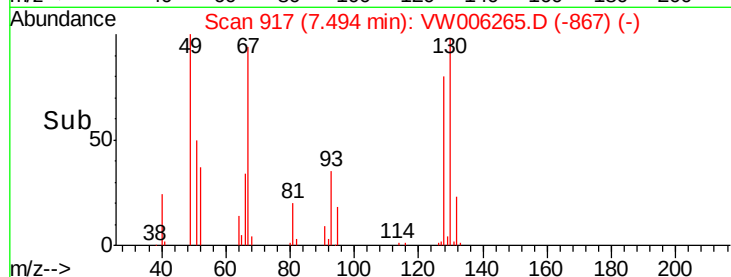
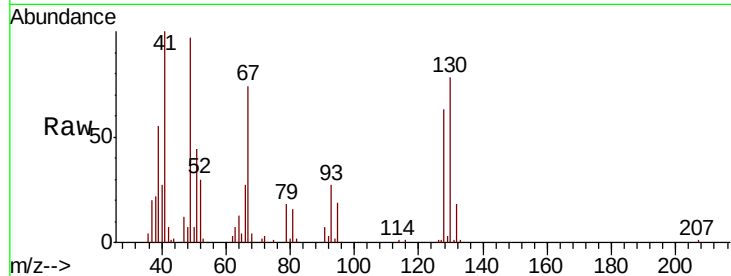
#41
Methacrylonitrile
Concen: 56.338 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	41090
Ion	Ratio	Lower	Upper
41	100		
39	57.1	46.2	69.4
67	74.1	57.7	86.5
52	31.1	24.7	37.1

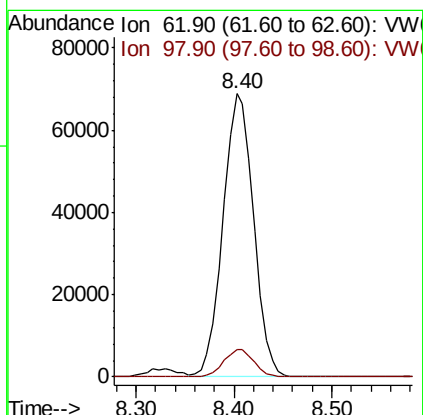
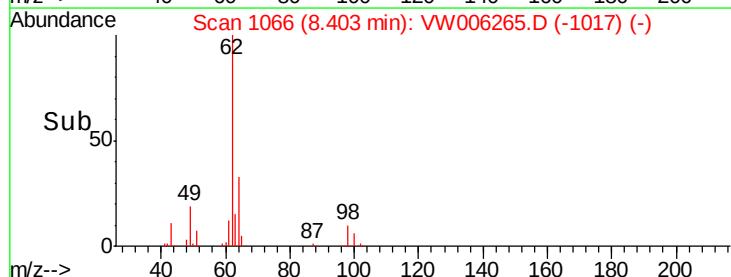
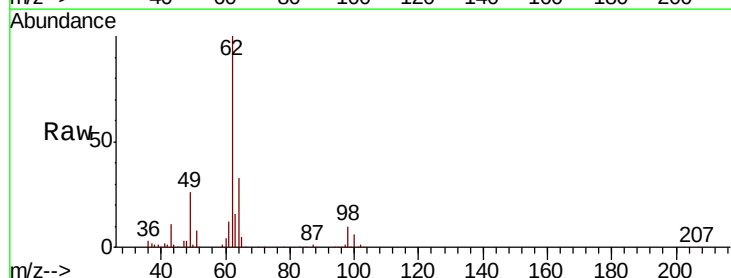
Manual Integrations
APPROVED

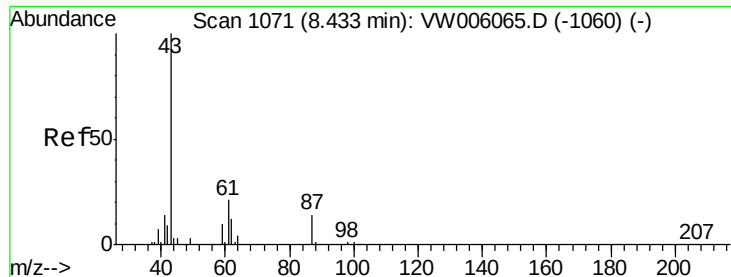
sam
10/24/2018 5:33:13 PM



#42
1,2-Dichloroethane
Concen: 56.908 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion:	62	Resp:	149347
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 53.651 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

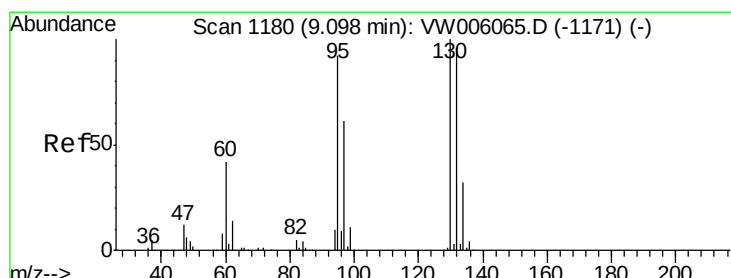
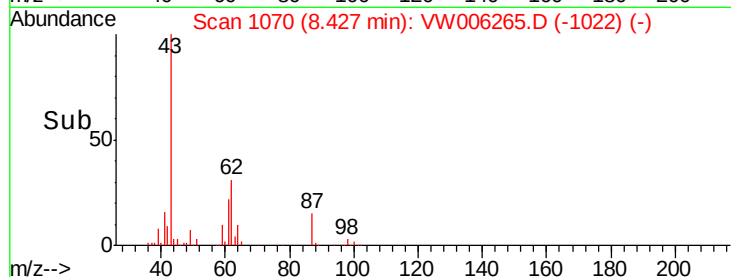
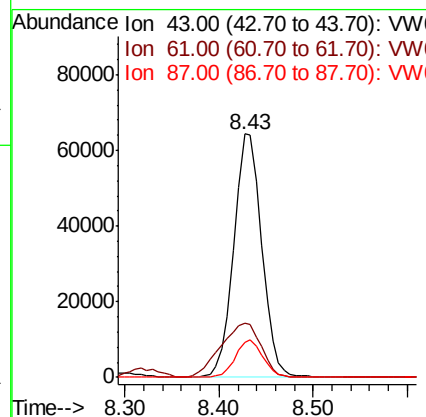
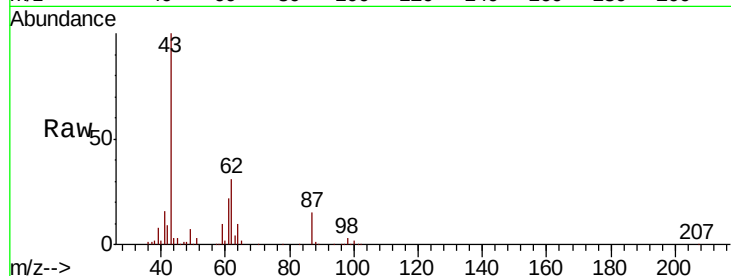
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	132719
Ion	Ratio	Lower	Upper
43	100		
61	31.9	25.5	38.3
87	15.2	11.7	17.5

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#44

Trichloroethene

Concen: 54.772 ug/l

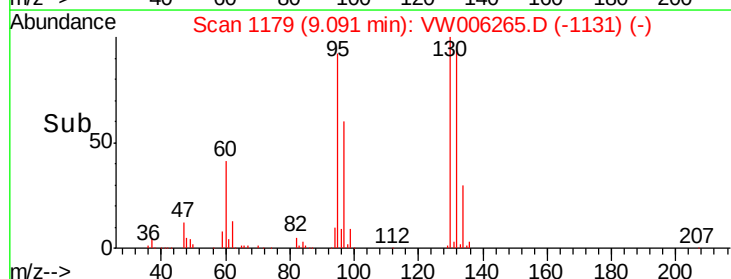
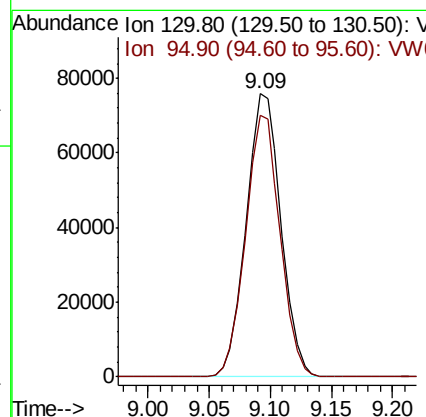
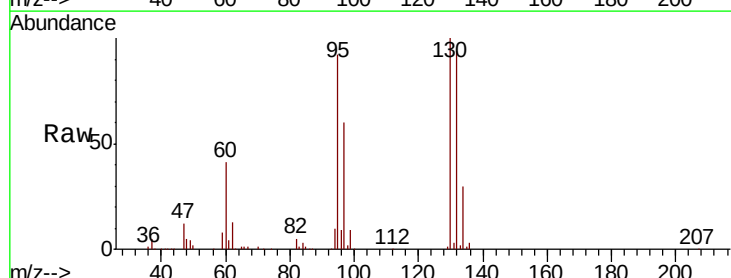
RT: 9.09 min Scan# 1179

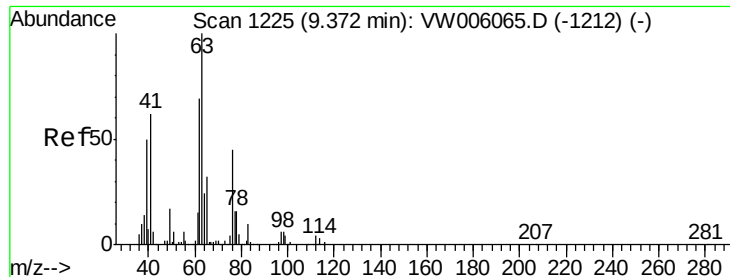
Delta R.T. -0.01 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion:	130	Resp:	150101
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	183.2





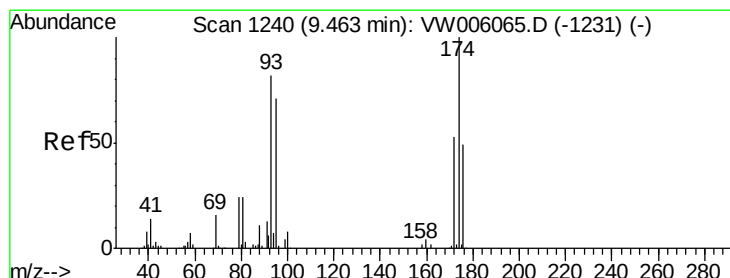
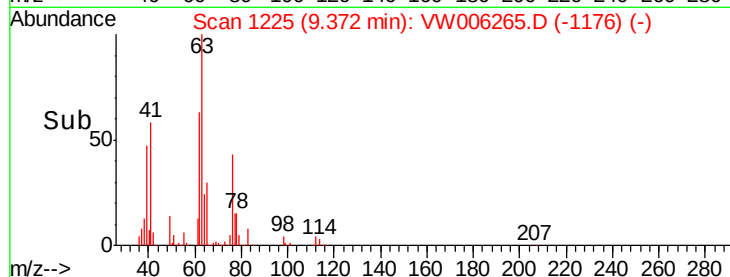
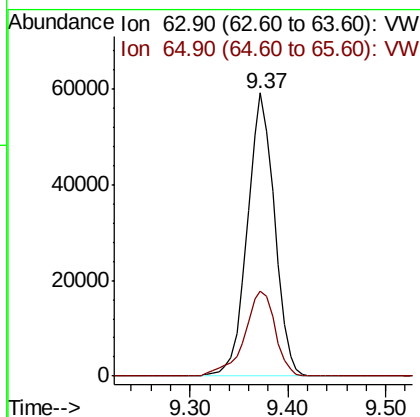
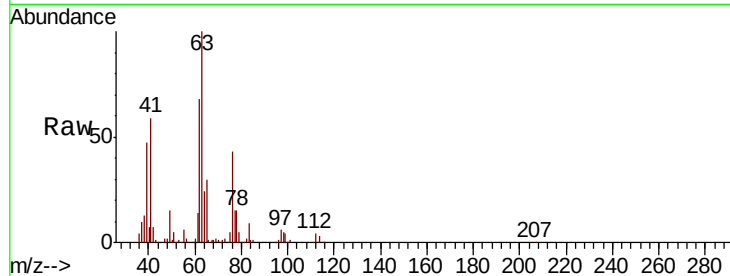
#45
 1,2-Dichloropropane
 Concen: 53.229 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.4	38.0

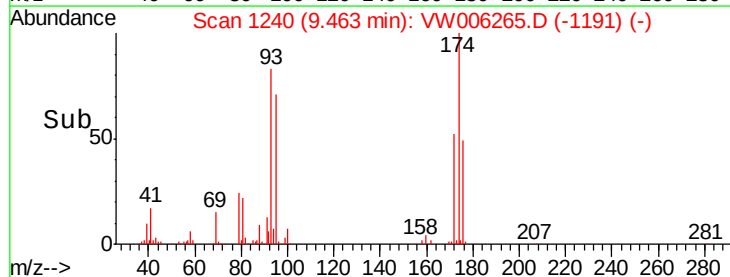
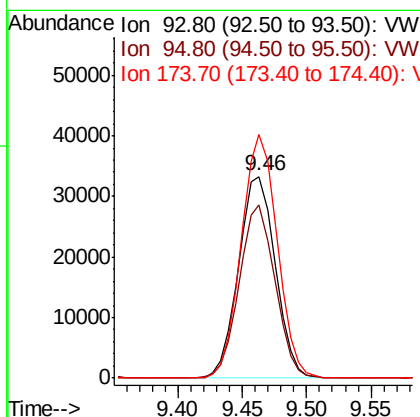
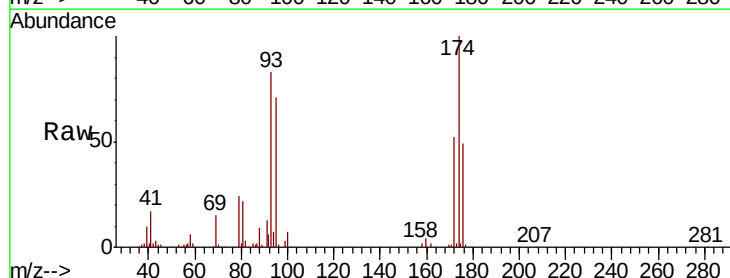
Manual Integrations
 APPROVED

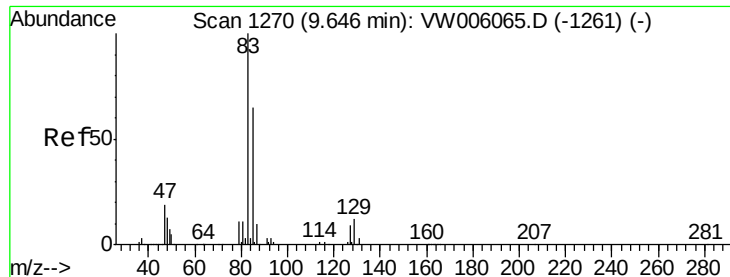
sam
 10/24/2018 5:33:13 PM



#46
 Dibromomethane
 Concen: 54.049 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.7	101.5
174	118.2	93.7	140.5





#47

Bromodichloromethane

Concen: 52.491 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

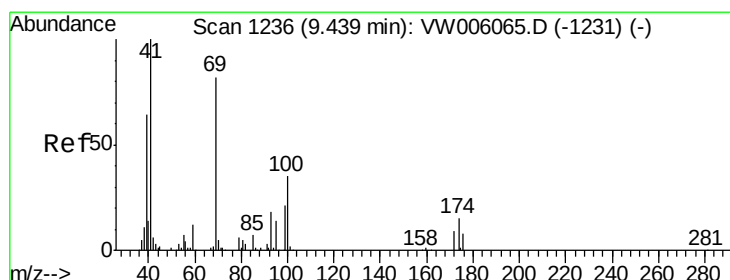
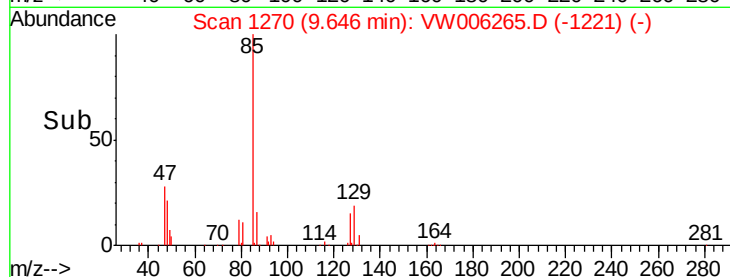
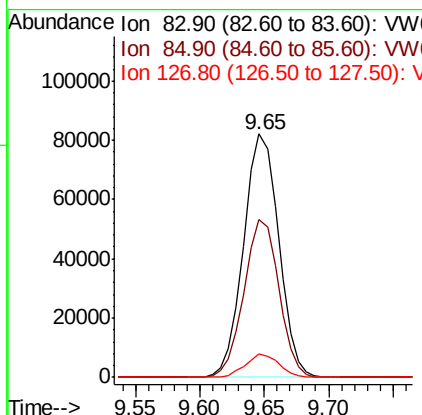
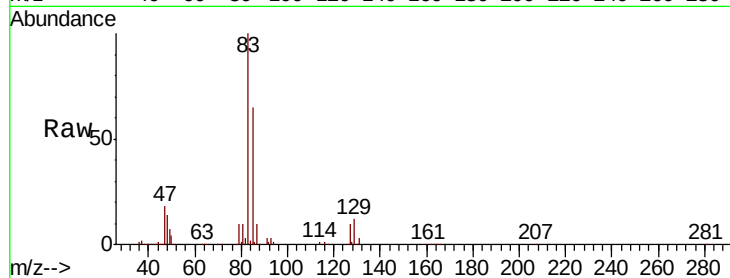
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155038
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.8	77.8
127	9.6	6.9	10.3

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#48

Methyl methacrylate

Concen: 54.331 ug/l

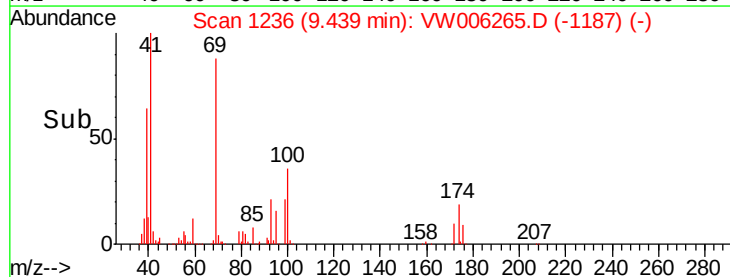
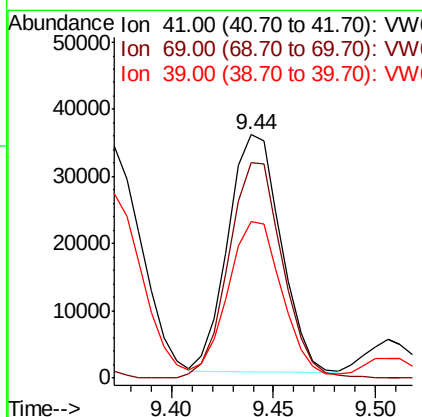
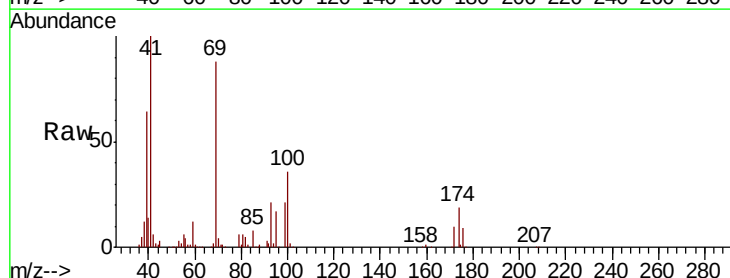
RT: 9.44 min Scan# 1236

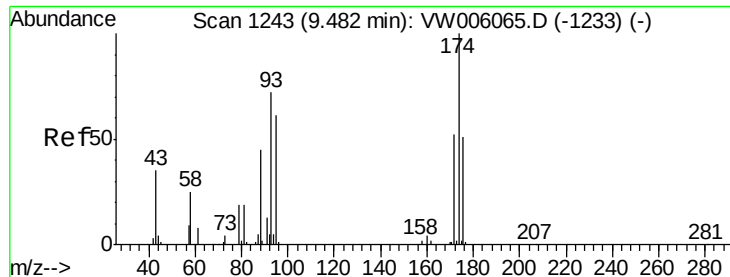
Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion:	41	Resp:	63707
Ion Ratio	Lower	Upper	
41	100		
69	92.1	71.8	107.8
39	68.1	52.5	78.7





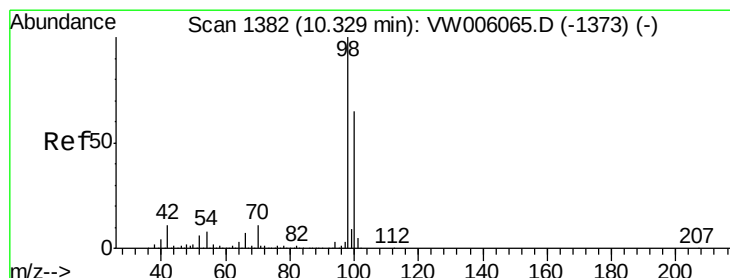
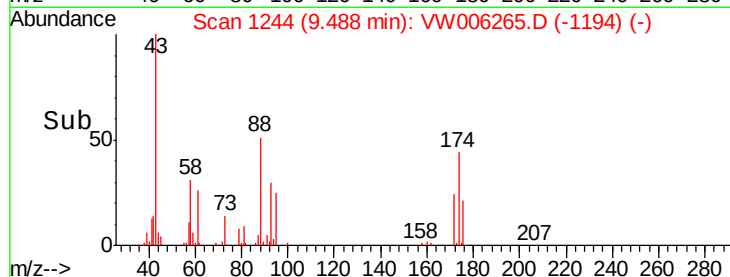
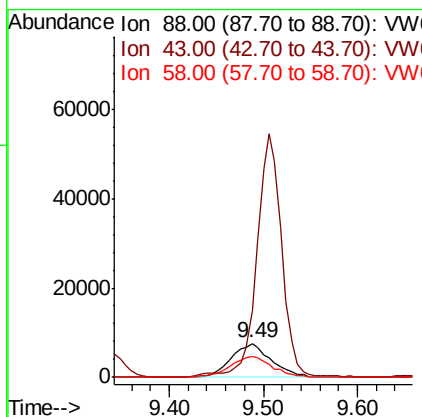
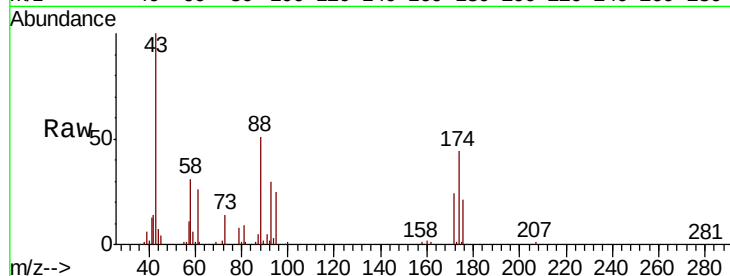
#49
1,4-Dioxane
Concen: 1179.496 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	457.8	0.0	0.0#
58	66.0	51.2	76.8

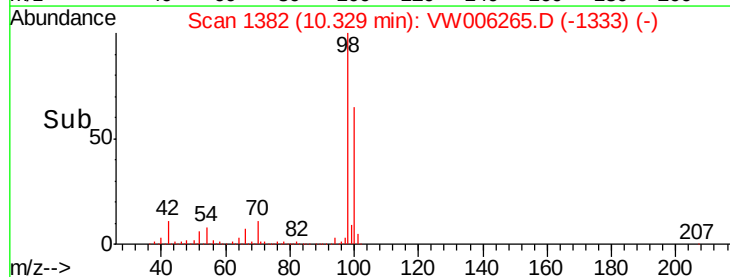
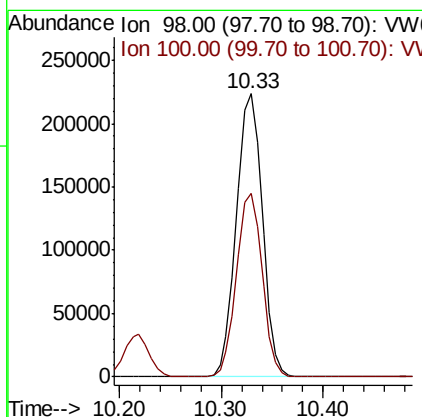
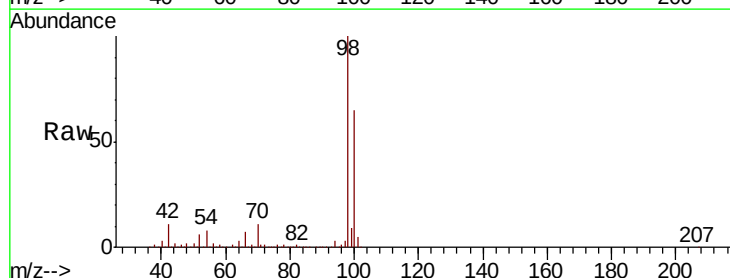
Manual Integrations
APPROVED

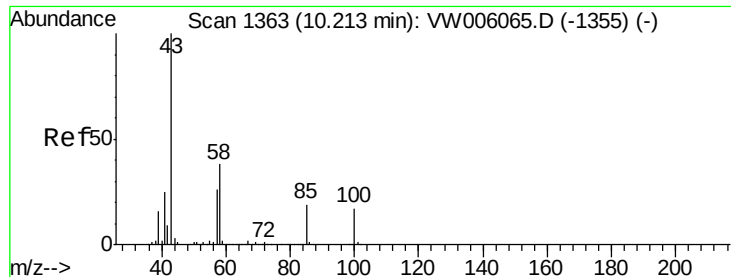
sam
10/24/2018 5:33:13 PM



#50
Toluene-d8
Concen: 49.600 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





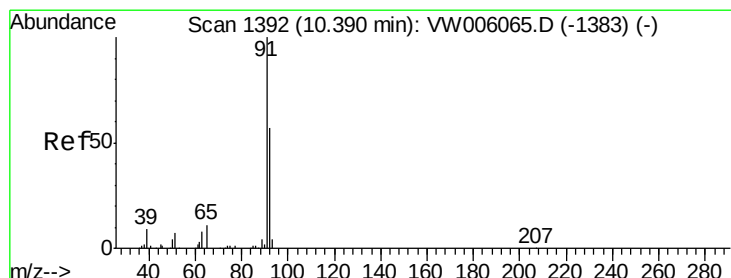
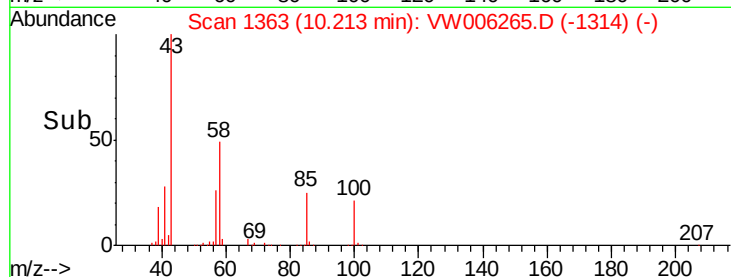
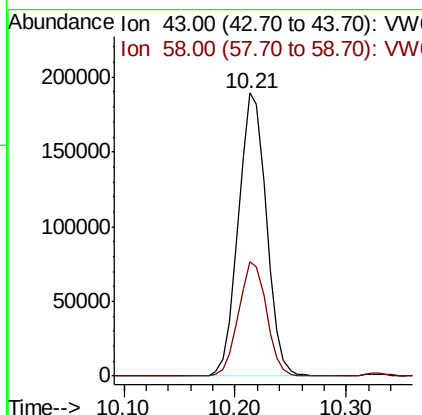
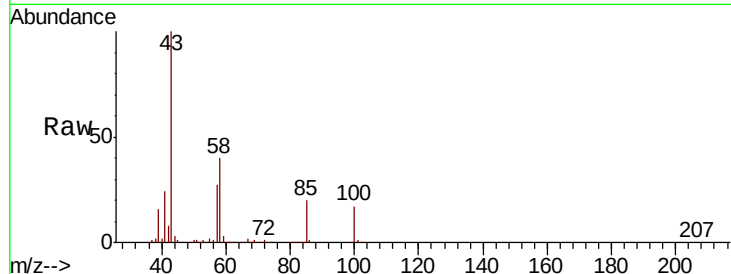
#51
4-Methyl-2-Pentanone
Concen: 266.697 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 330553
Ion Ratio Lower Upper
43 100
58 40.5 31.5 47.3

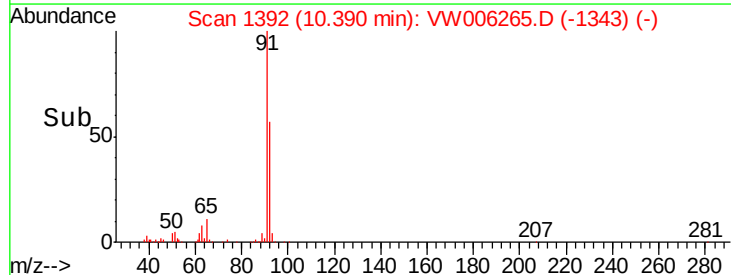
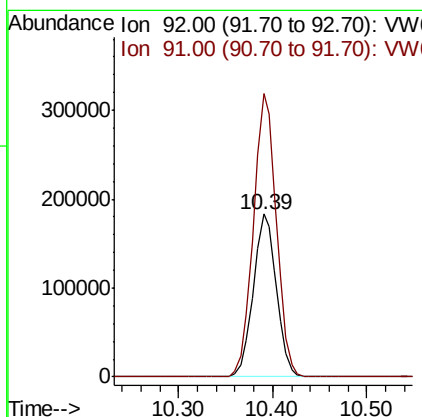
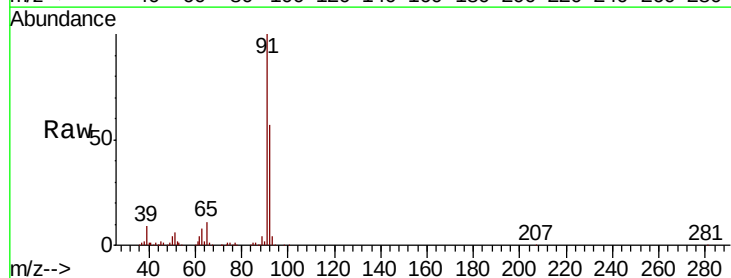
Manual Integrations
APPROVED

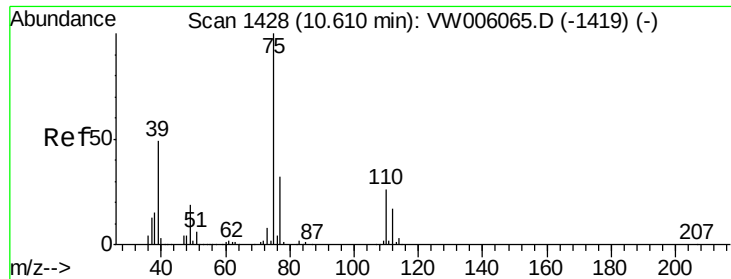
sam
10/24/2018 5:33:13 PM



#52
Toluene
Concen: 52.779 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 92 Resp: 316067
Ion Ratio Lower Upper
92 100
91 173.6 140.0 210.0





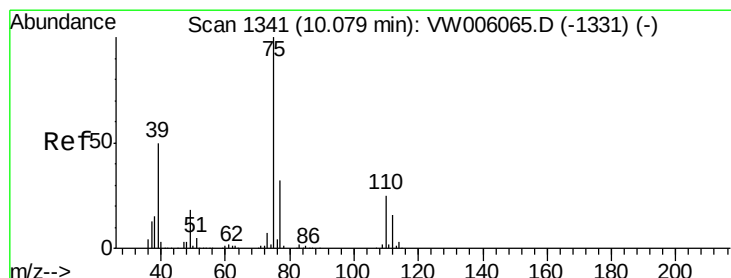
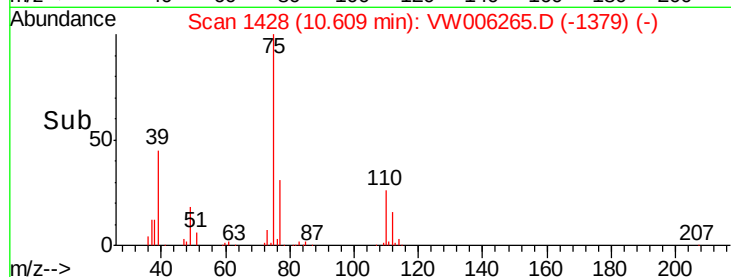
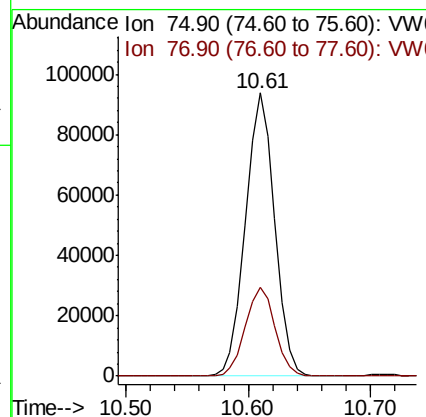
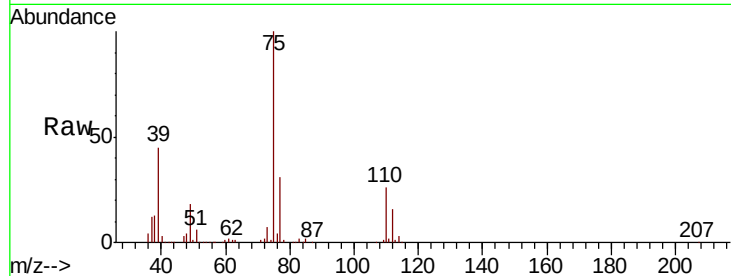
#53
t-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 155178
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

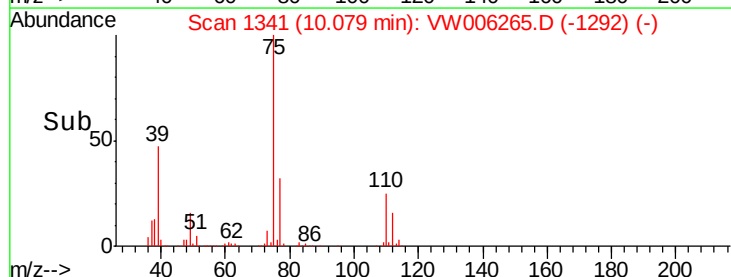
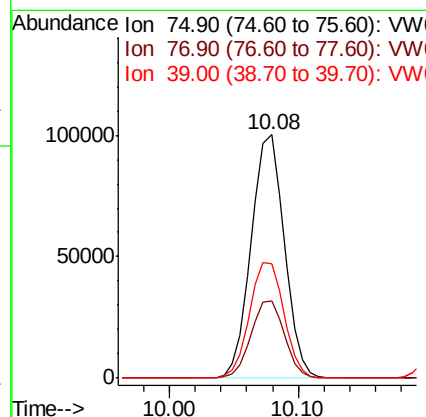
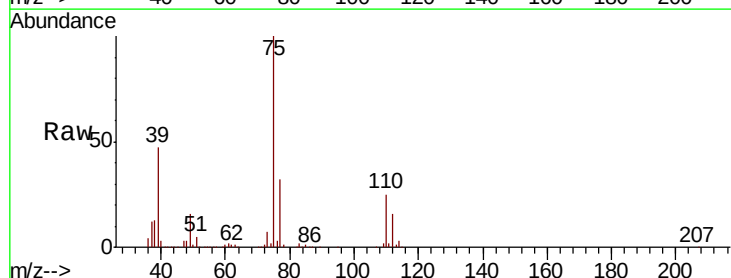
Manual Integrations
APPROVED

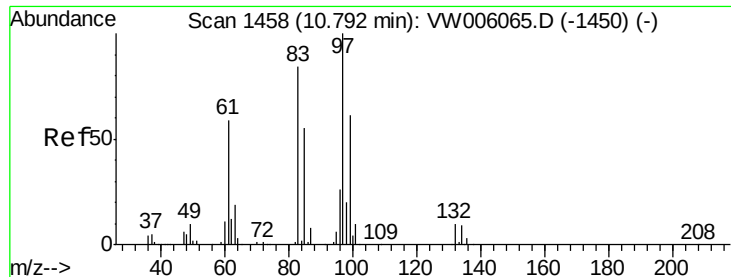
sam
10/24/2018 5:33:13 PM



#54
cis-1,3-Dichloropropene
Concen: 52.840 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 75 Resp: 178459
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 47.0 39.9 59.9





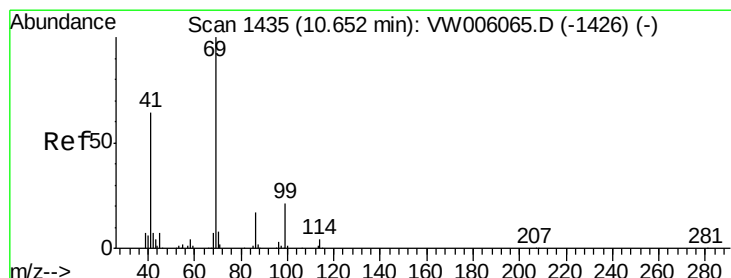
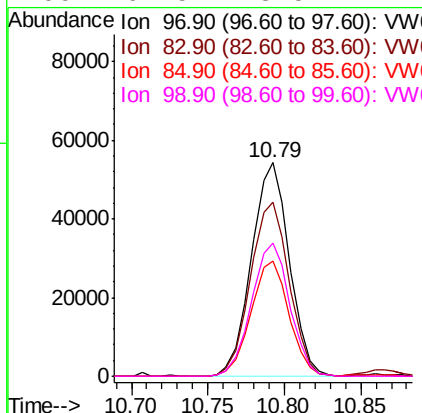
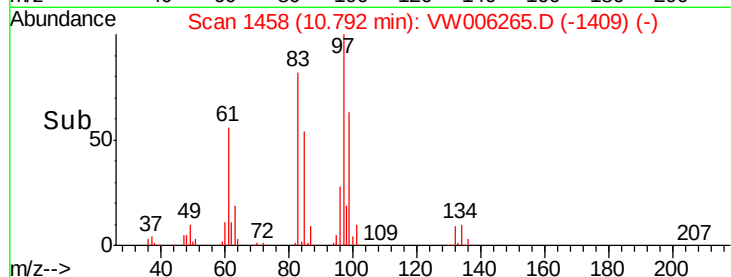
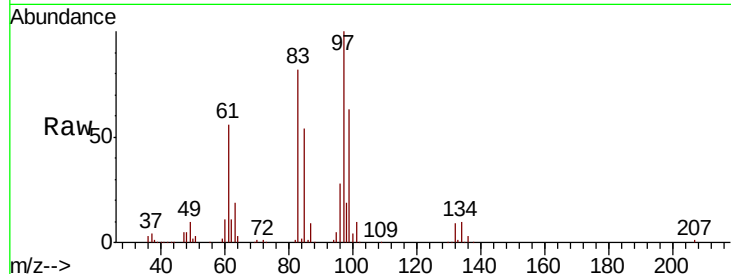
#55
 1,1,2-Trichloroethane
 Concen: 54.972 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		93717		
83	81.7	67.2	100.8		
85	53.7	43.7	65.5		
99	62.5	48.5	72.7		

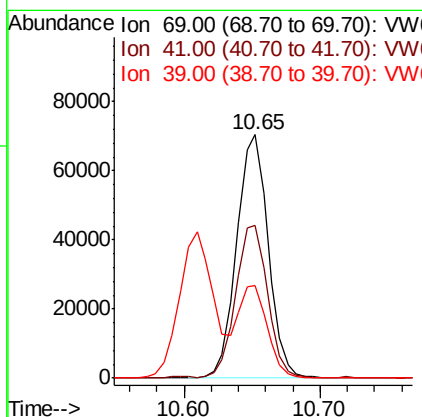
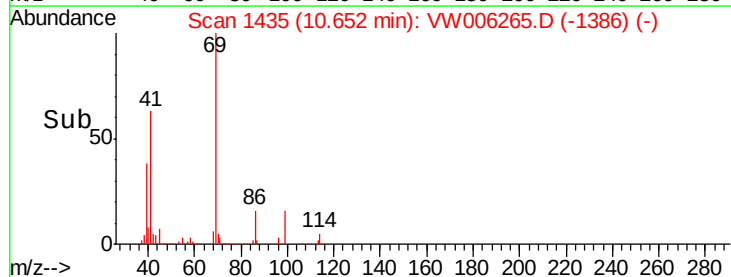
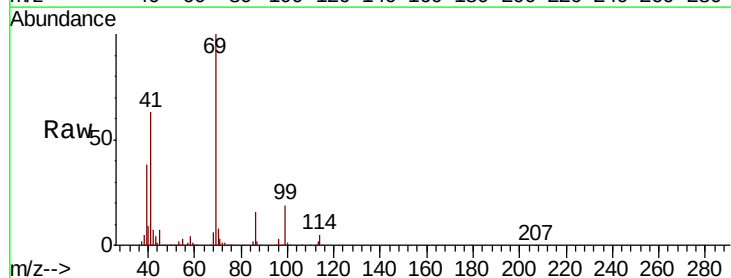
Manual Integrations
 APPROVED

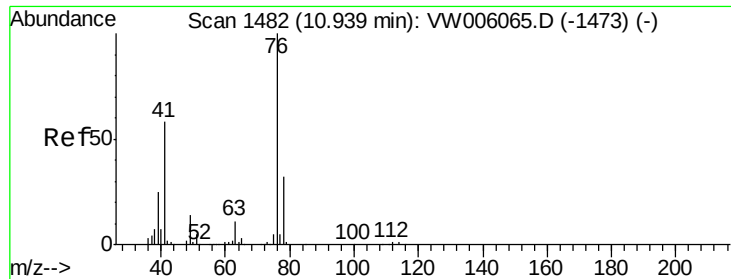
sam
 10/24/2018 5:33:13 PM



#56
 Ethyl methacrylate
 Concen: 54.508 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		113921		
41	64.2	52.8	79.2		
39	34.0	30.6	45.8		





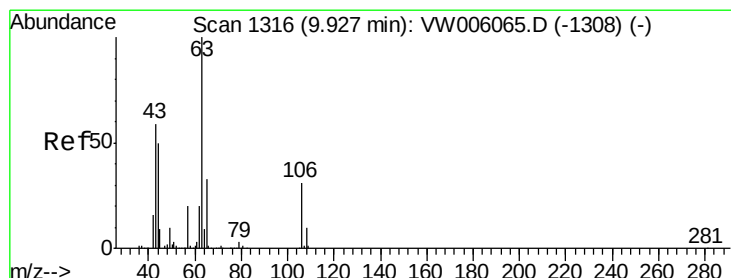
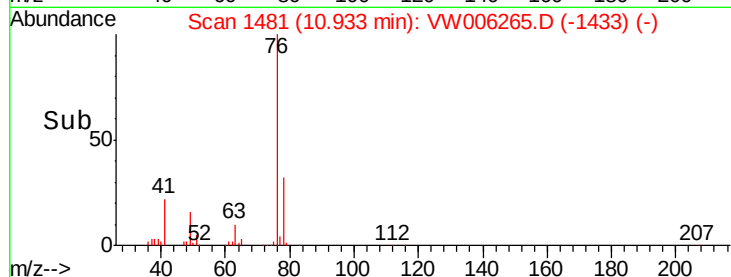
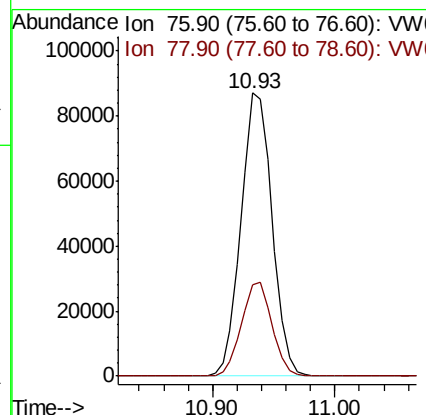
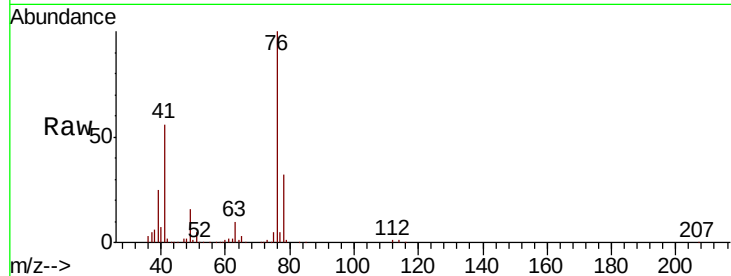
#57
 1,3-Dichloropropane
 Concen: 54.257 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

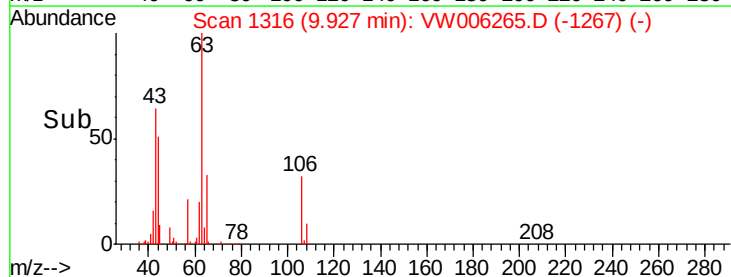
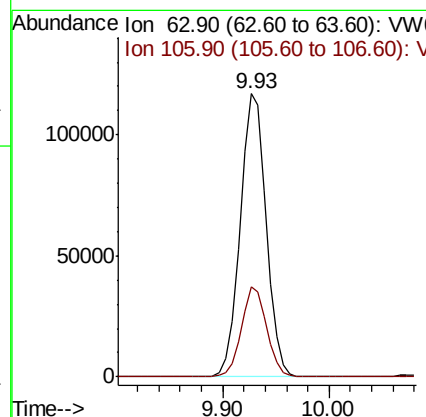
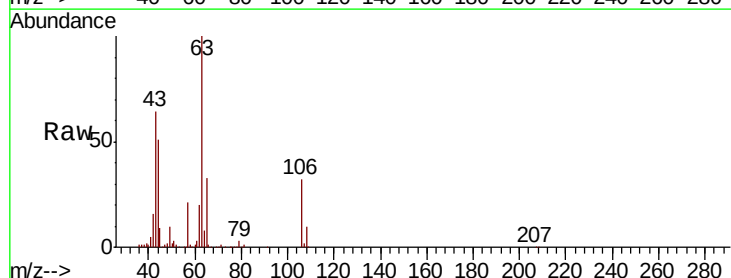
Manual Integrations
 APPROVED

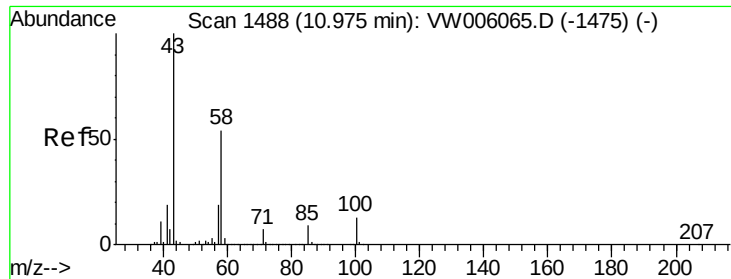
sam
 10/24/2018 5:33:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.639 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	24.5	36.7





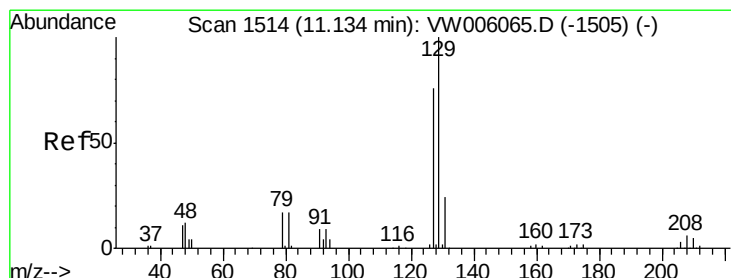
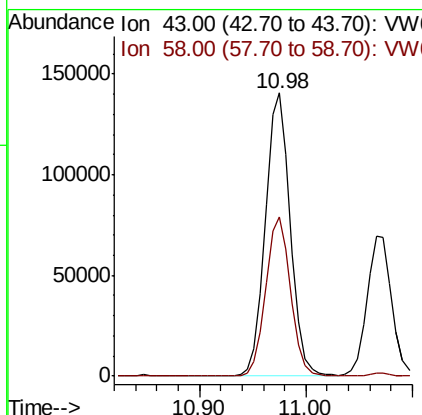
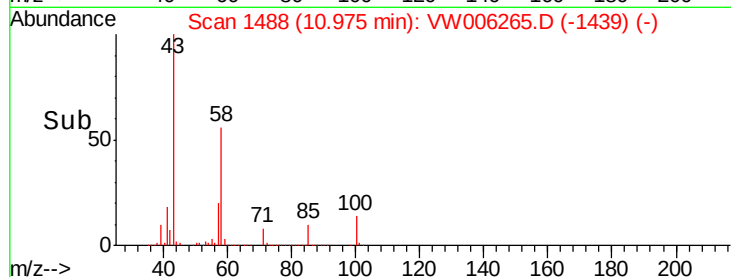
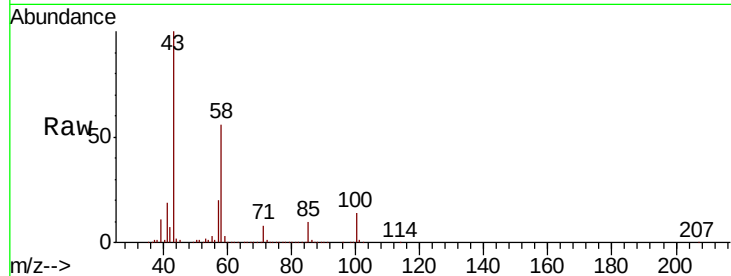
#59
2-Hexanone
Concen: 259.578 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 229662
Ion Ratio Lower Upper
43 100
58 56.1 26.9 80.6

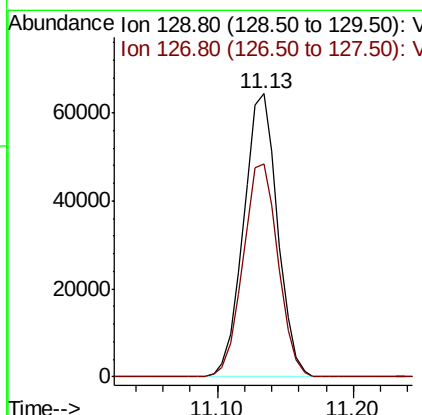
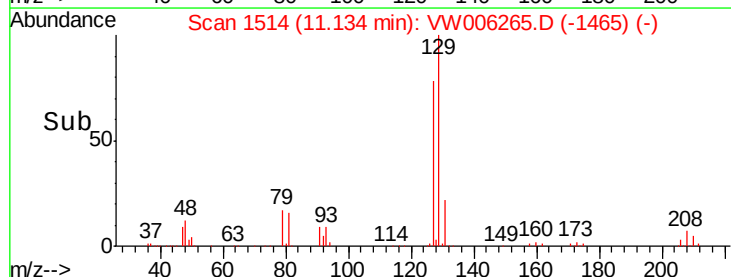
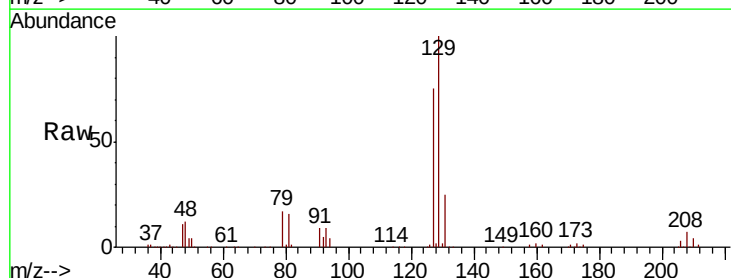
Manual Integrations
APPROVED

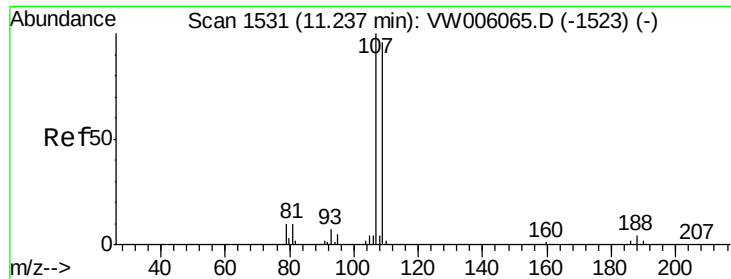
sam
10/24/2018 5:33:13 PM



#60
Dibromochloromethane
Concen: 52.875 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 129 Resp: 112280
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.7





#61

1,2-Dibromoethane

Concen: 56.915 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 96950

Ion Ratio Lower Upper

107 100

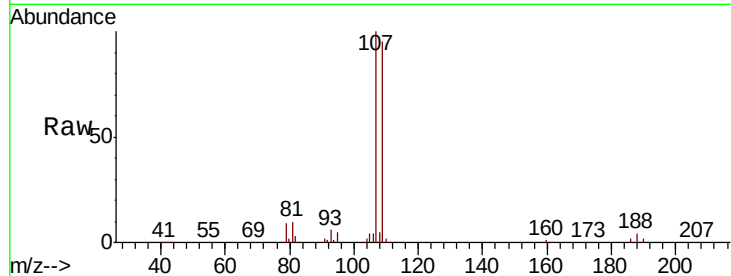
109 94.8 76.3 114.5

Manual Integrations

APPROVED

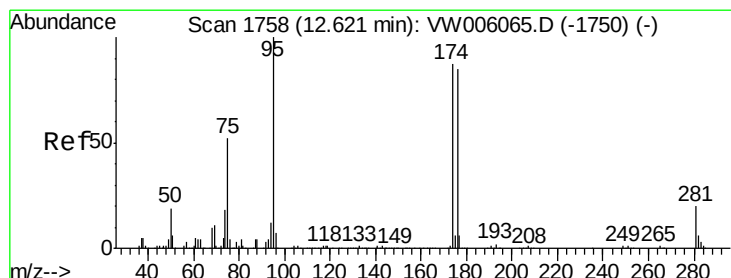
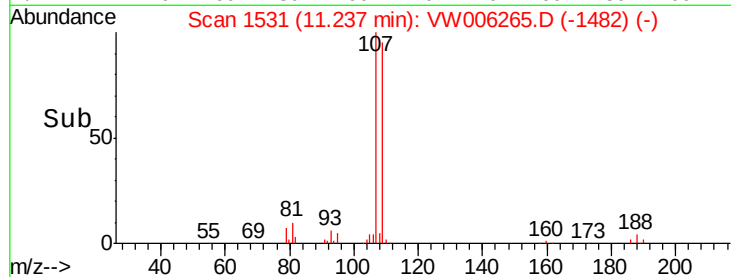
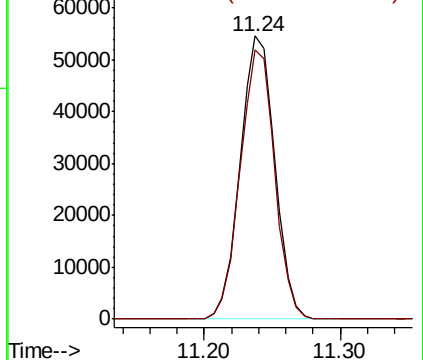
sam

10/24/2018 5:33:13 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.098 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

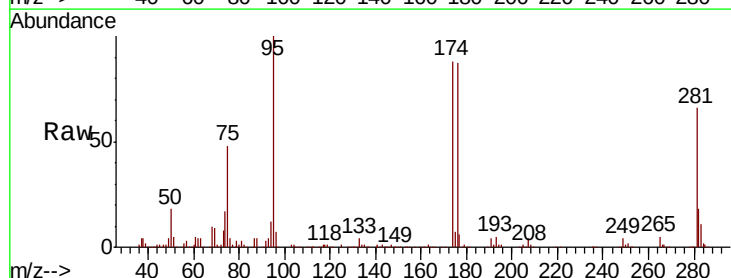
Tgt Ion: 95 Resp: 152426

Ion Ratio Lower Upper

95 100

174 94.2 0.0 186.0

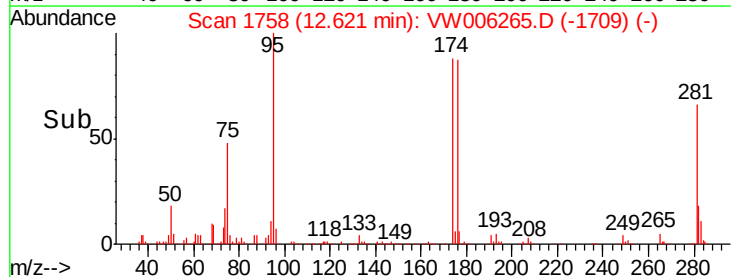
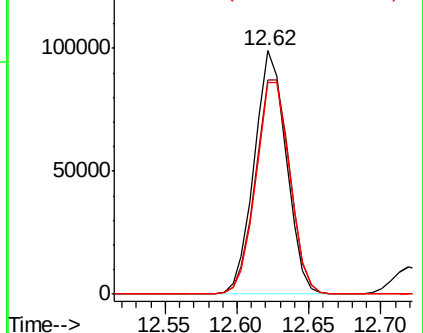
176 92.0 0.0 181.6

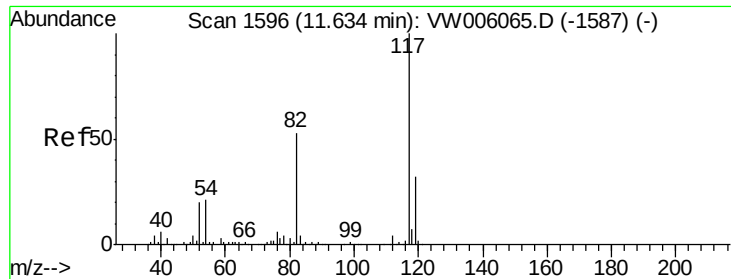


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





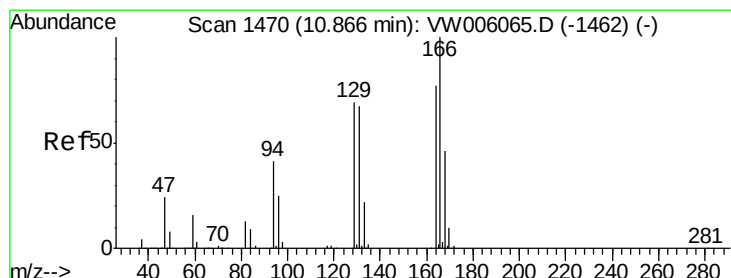
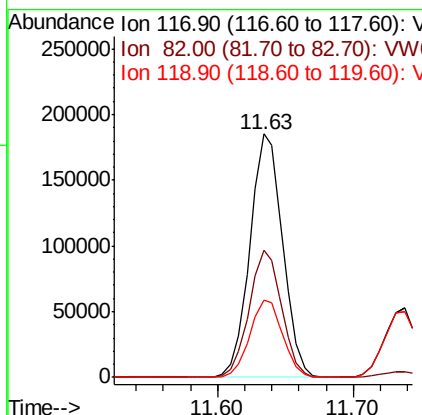
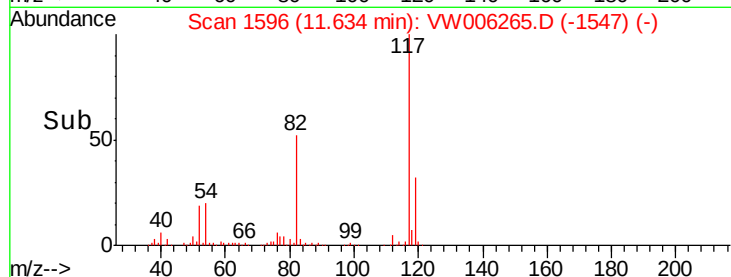
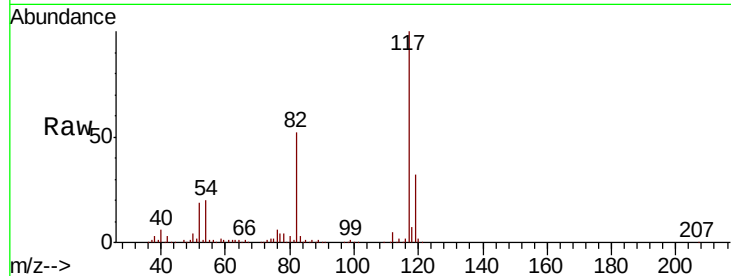
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	311786		
82	52.1		42.1	63.1
119	32.0		25.8	38.6

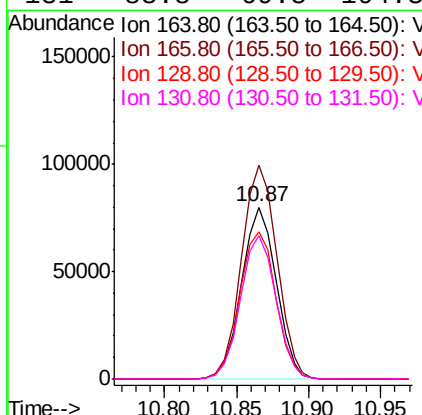
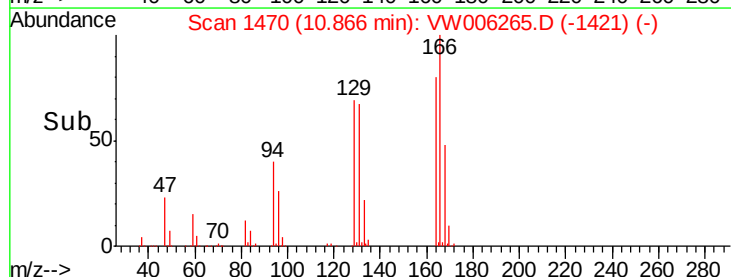
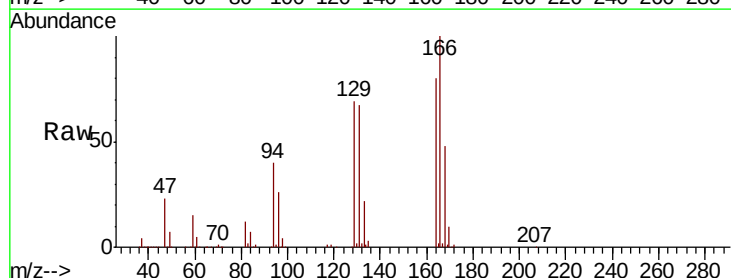
Manual Integrations
APPROVED

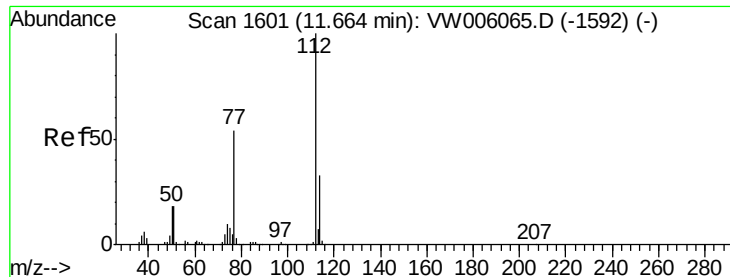
sam
10/24/2018 5:33:13 PM



#64
Tetrachloroethene
Concen: 55.336 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133937		
166	124.5		103.4	155.0
129	85.5		71.8	107.8
131	83.8		69.5	104.3





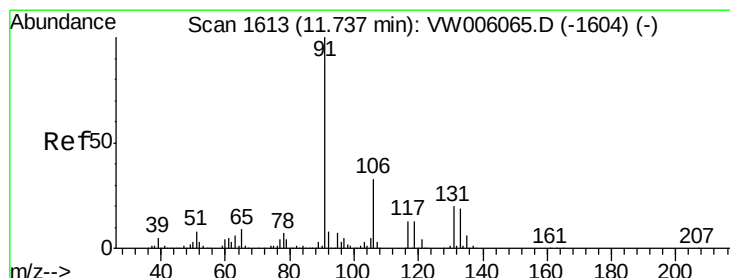
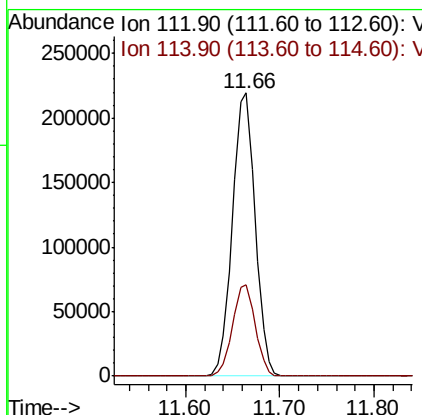
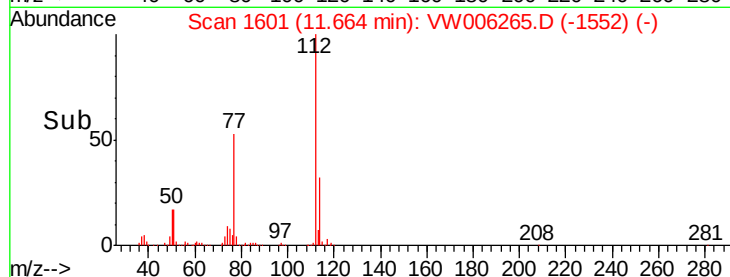
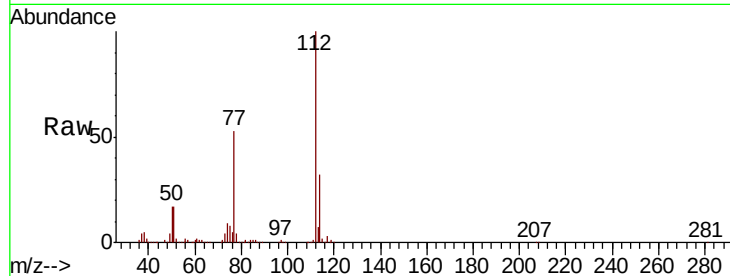
#65
Chlorobenzene
Concen: 55.232 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 368644
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2

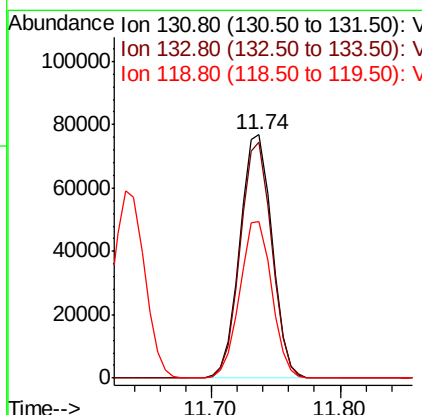
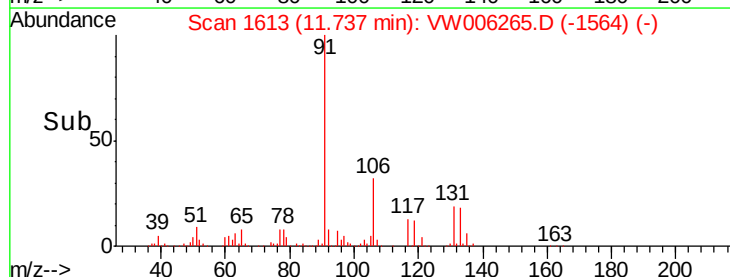
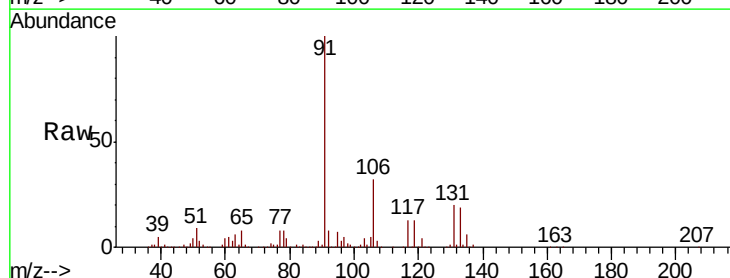
Manual Integrations
APPROVED

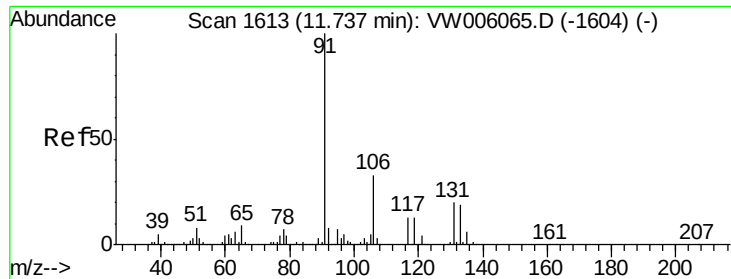
sam
10/24/2018 5:33:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.841 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion:131 Resp: 132452
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.3
119 64.0 31.6 94.7





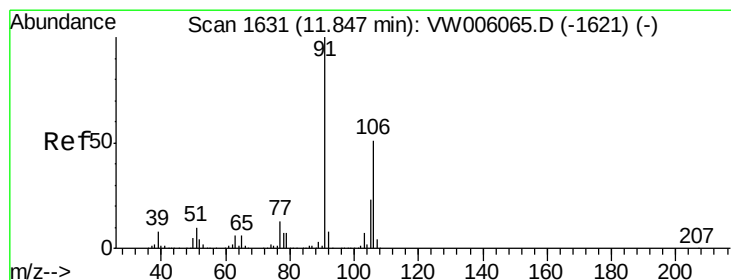
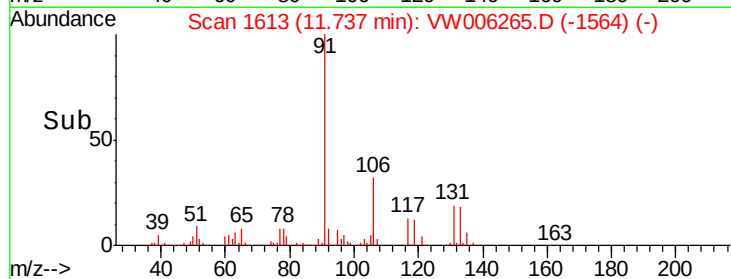
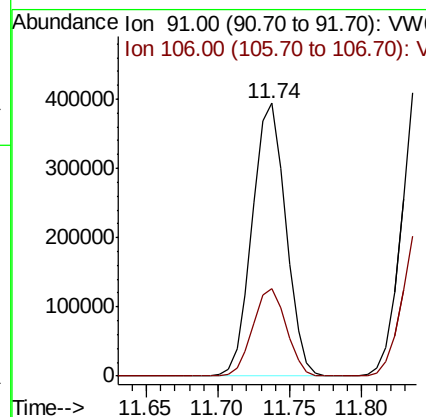
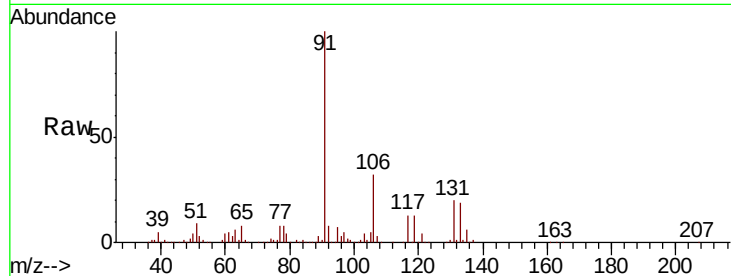
#67
Ethyl Benzene
Concen: 54.838 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 634313
Ion Ratio Lower Upper
91 100
106 32.3 26.1 39.1

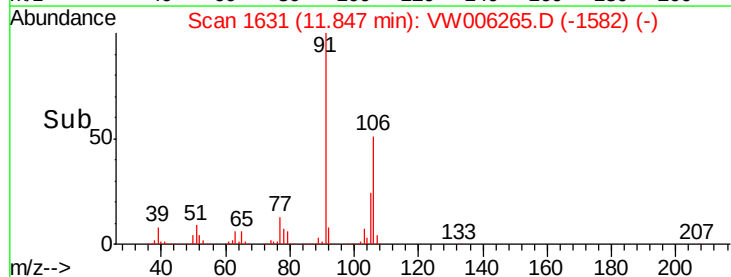
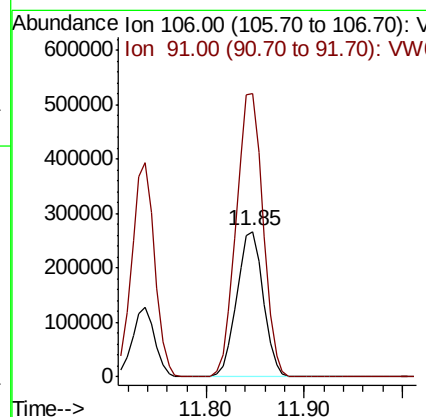
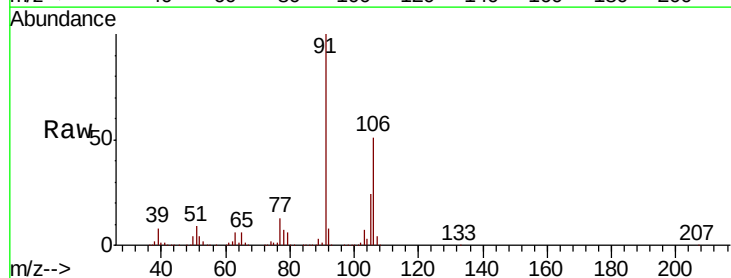
Manual Integrations
APPROVED

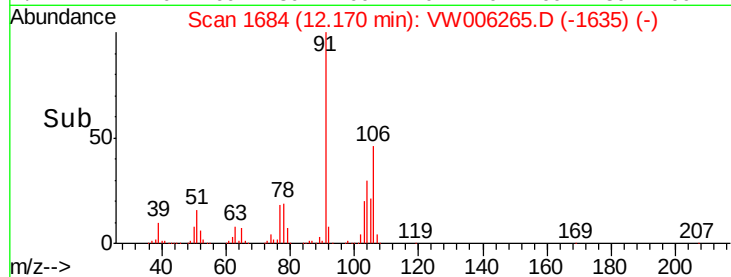
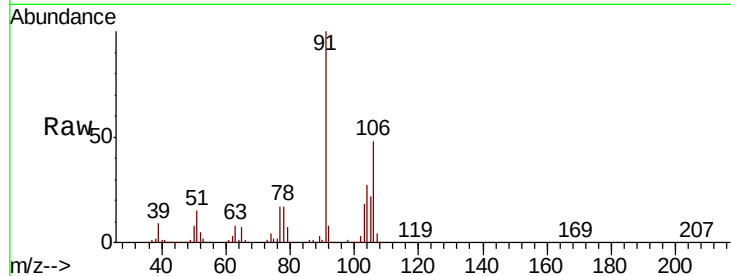
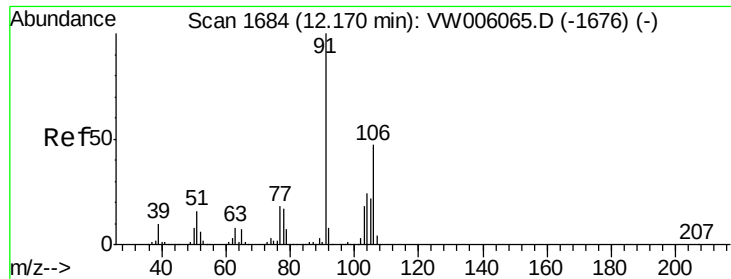
sam
10/24/2018 5:33:13 PM



#68
m/p-Xylenes
Concen: 109.814 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion: 106 Resp: 502058
Ion Ratio Lower Upper
106 100
91 197.7 159.1 238.7





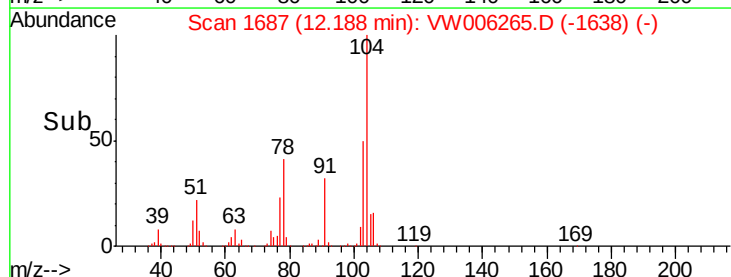
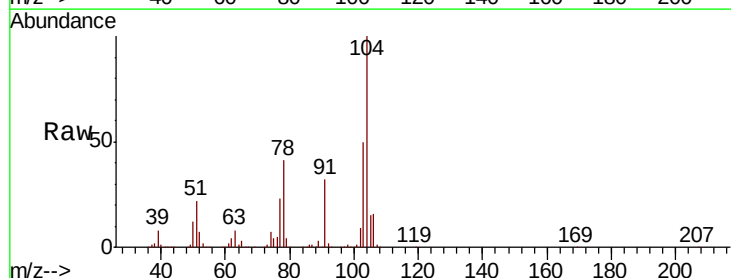
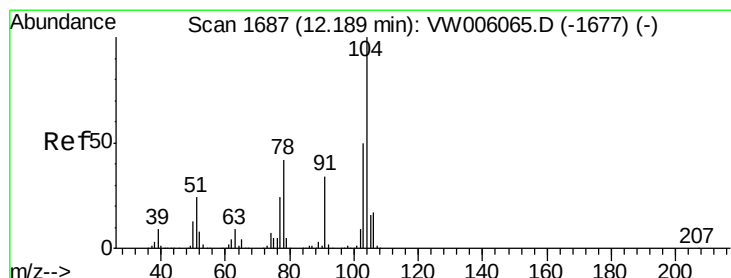
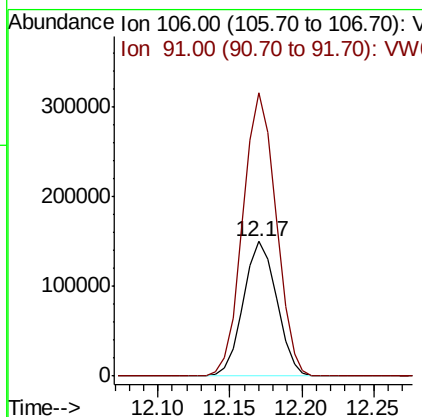
#69
o-Xylene
Concen: 55.264 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 240794
Ion Ratio Lower Upper
106 100
91 209.3 105.4 316.1

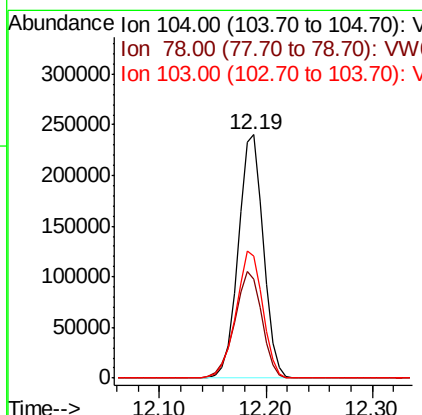
Manual Integrations
APPROVED

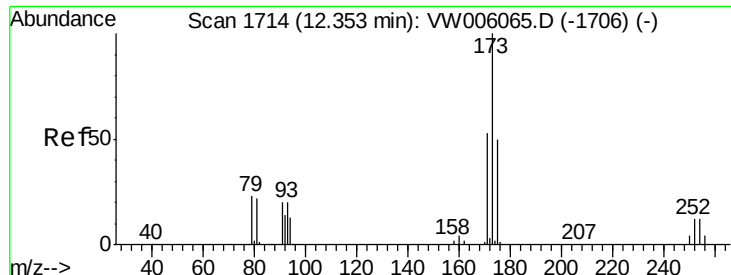
sam
10/24/2018 5:33:13 PM



#70
Styrene
Concen: 55.897 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion:104 Resp: 396045
Ion Ratio Lower Upper
104 100
78 47.8 39.1 58.7
103 55.7 44.3 66.5





#71

Bromoform

Concen: 55.141 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 72952

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

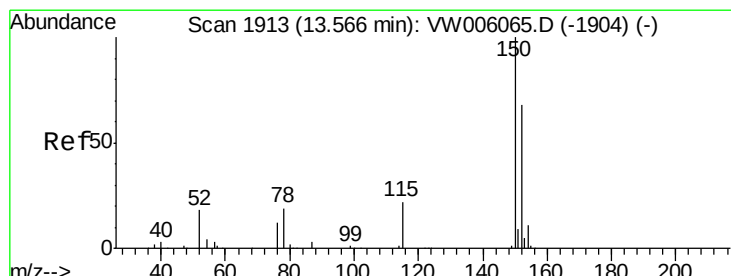
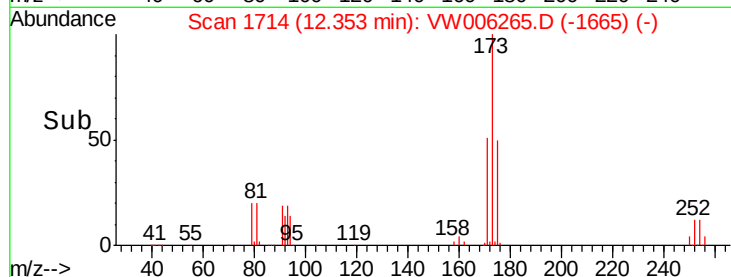
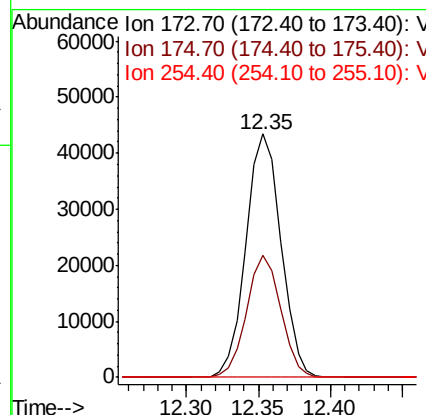
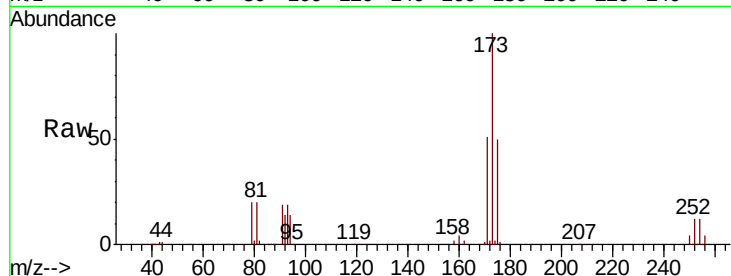
254 0.2 0.1 0.1#

Manual Integrations

APPROVED

sam

10/24/2018 5:33:13 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

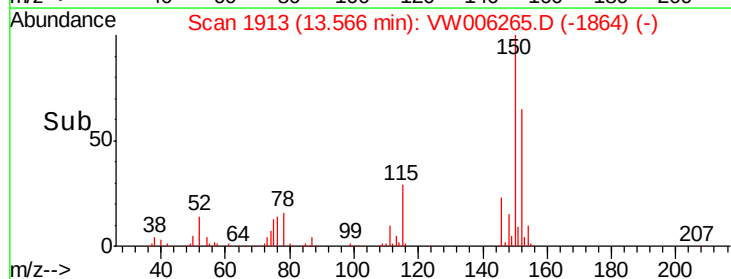
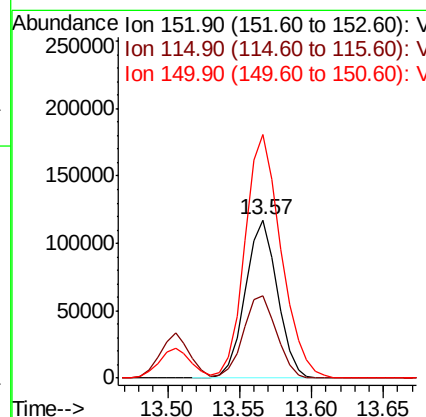
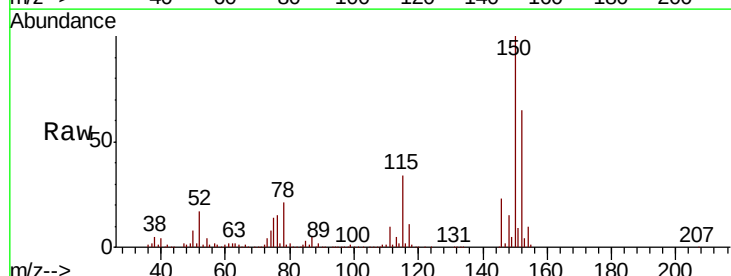
Tgt Ion:152 Resp: 180150

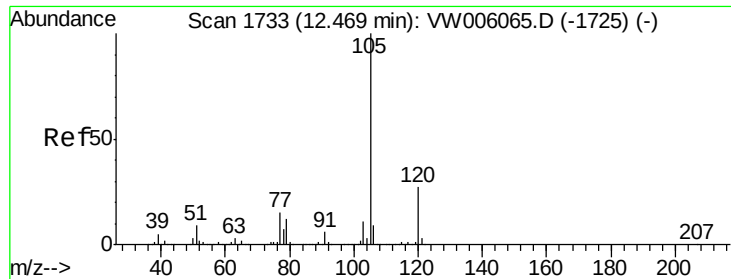
Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.3

150 173.9 0.0 349.2





#73

Isopropylbenzene

Concen: 53.482 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 680664

Ion Ratio Lower Upper

105 100

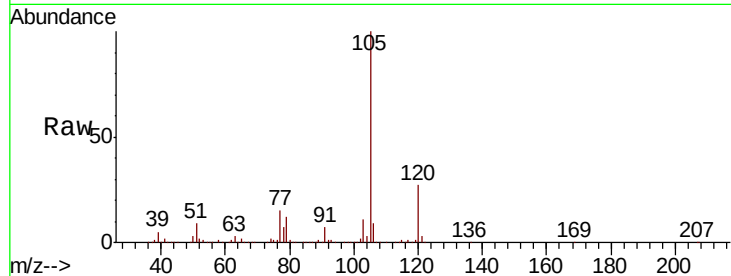
120 27.1 13.6 40.7

Manual Integrations

APPROVED

sam

10/24/2018 5:33:13 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

300000

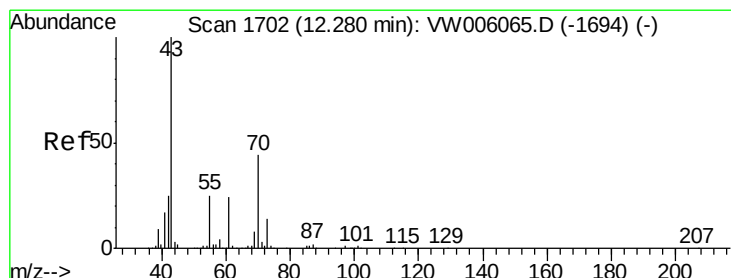
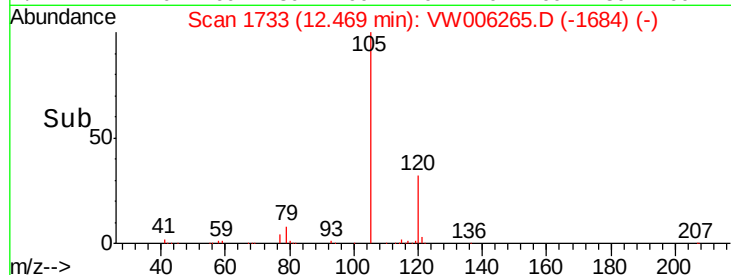
200000

100000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 52.056 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion: 43 Resp: 128679

Ion Ratio Lower Upper

43 100

70 45.8 34.2 51.4

55 25.4 19.2 28.8

61 24.9 19.0 28.6

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

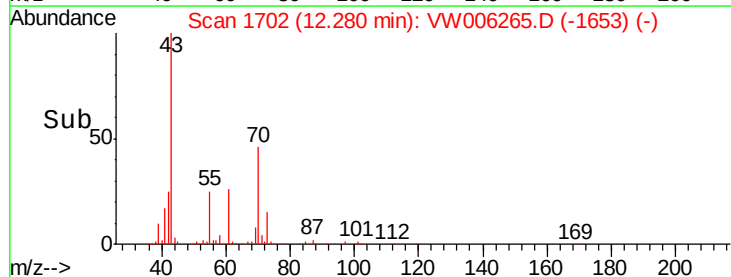
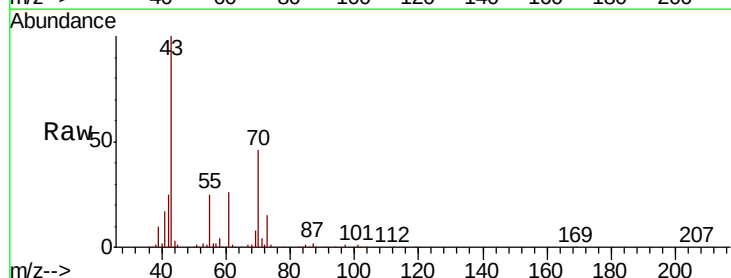
100000

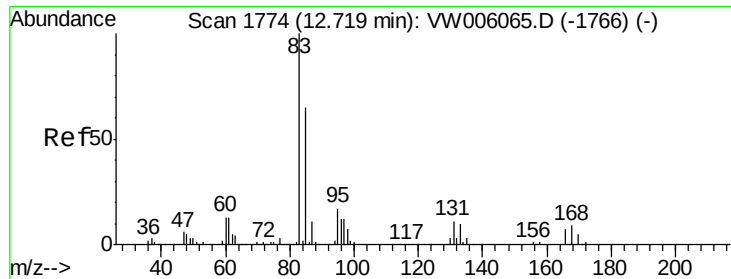
50000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 57.482 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

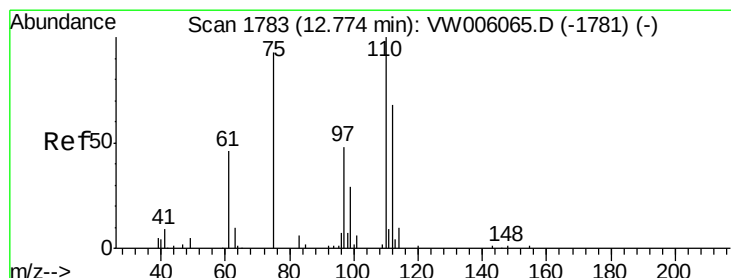
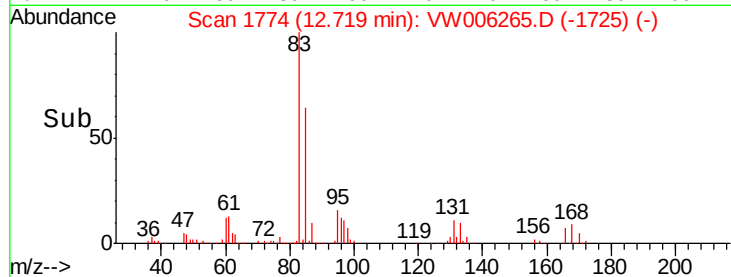
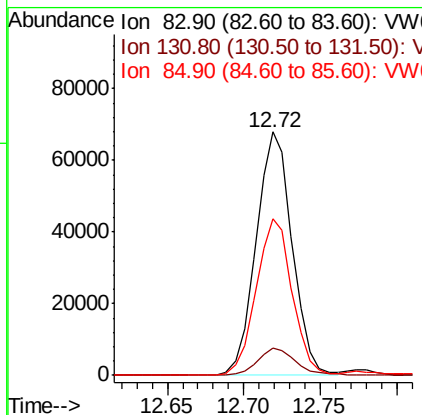
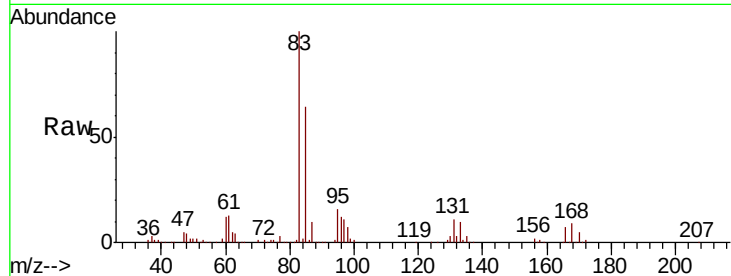
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	111269
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.7
85	64.2	31.9	95.9

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#76

1,2,3-Trichloropropane

Concen: 51.636 ug/l m

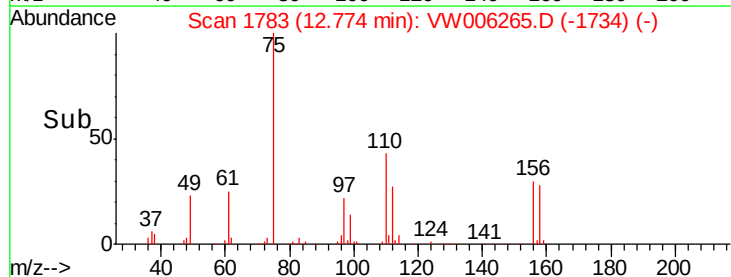
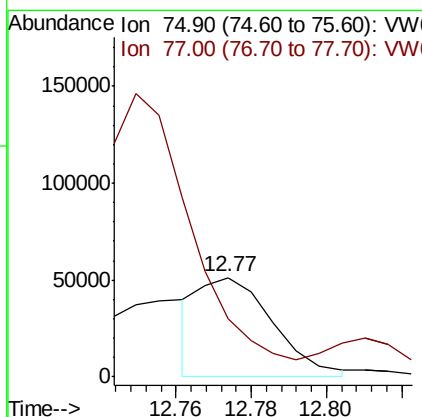
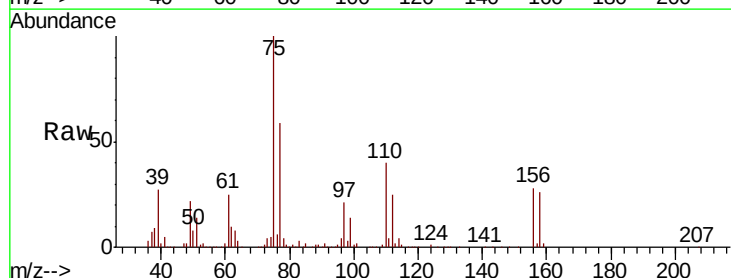
RT: 12.77 min Scan# 1783

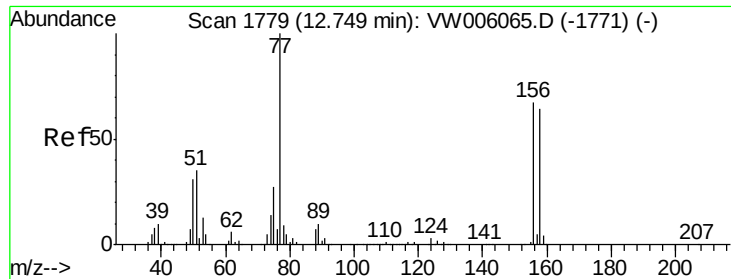
Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion:	75	Resp:	71050
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





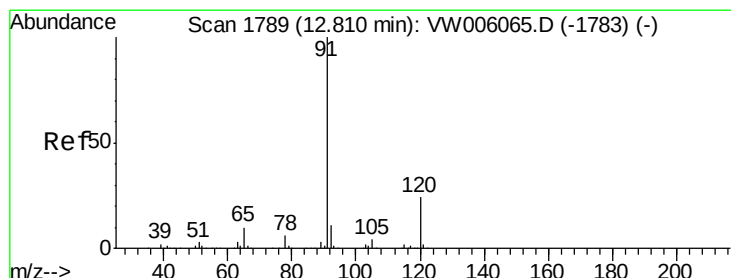
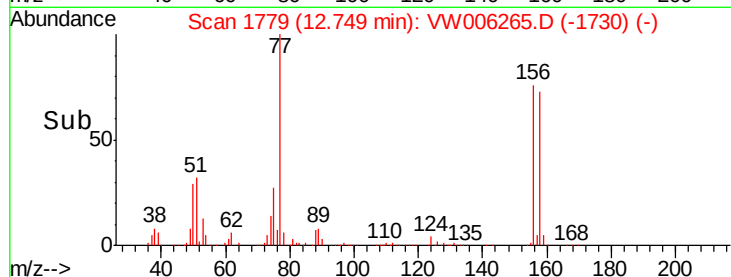
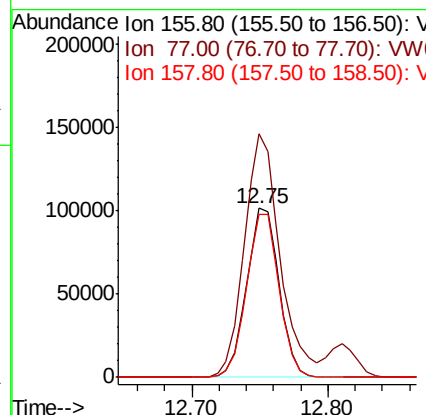
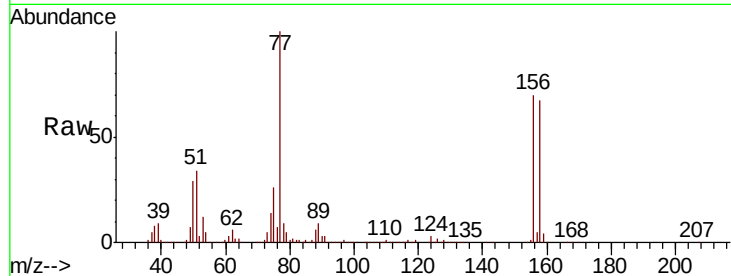
#77
Bromobenzene
Concen: 54.355 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		169438		
77	157.9	79.1	237.4		
158	97.0	48.5	145.6		

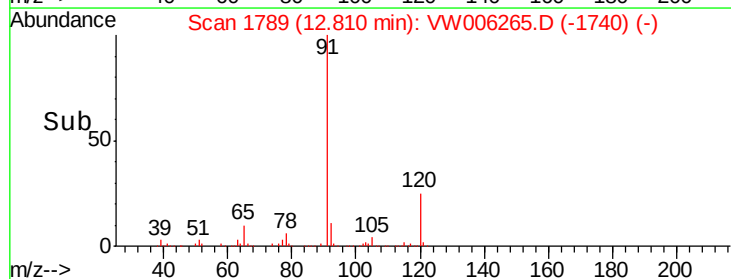
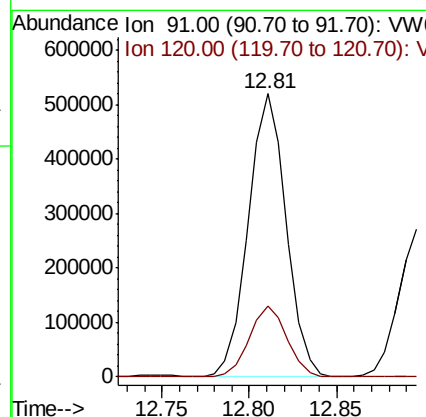
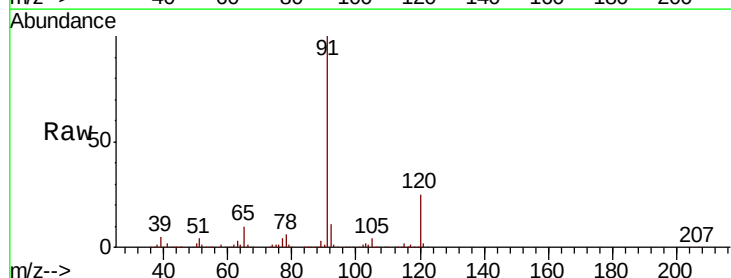
Manual Integrations
APPROVED

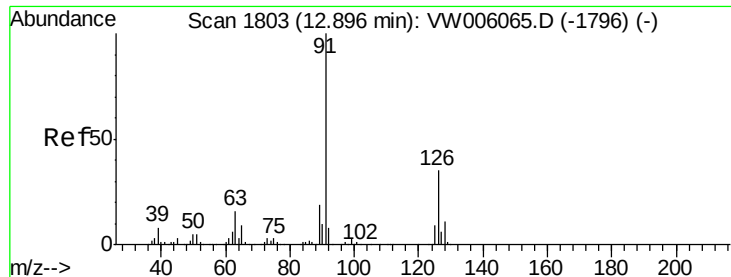
sam
10/24/2018 5:33:13 PM



#78
n-propylbenzene
Concen: 52.899 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		783269		
120	24.8	12.2	36.6		





#79

2-Chlorotoluene

Concen: 53.594 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 445868

Ion Ratio Lower Upper

91 100

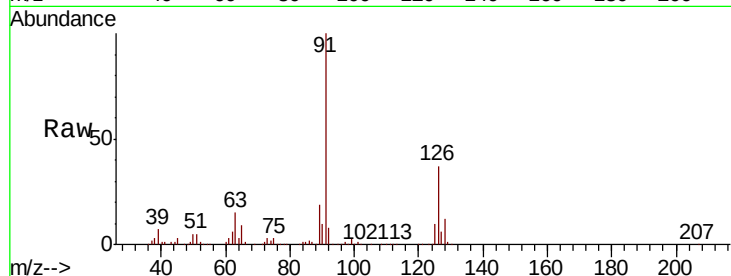
126 36.3 17.9 53.8

Manual Integrations

APPROVED

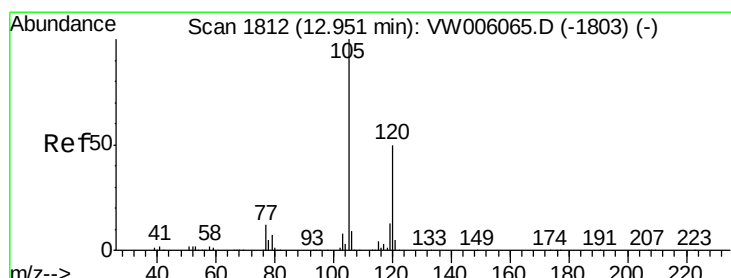
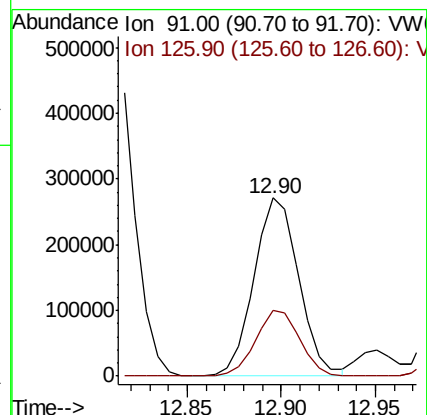
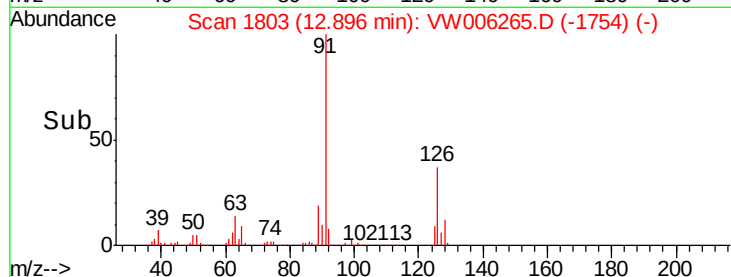
sam

10/24/2018 5:33:13 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.268 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006265.D

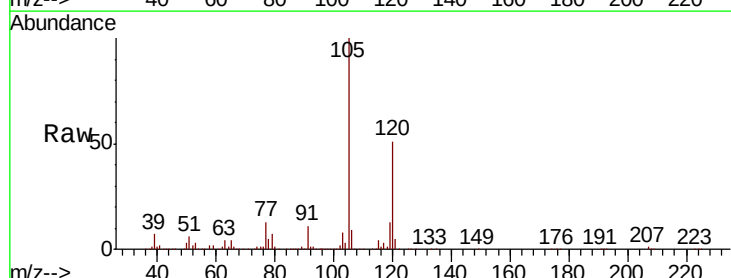
Acq: 22 Oct 2018 21:36

Tgt Ion:105 Resp: 571520

Ion Ratio Lower Upper

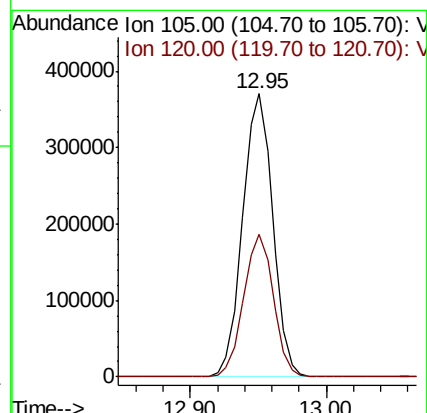
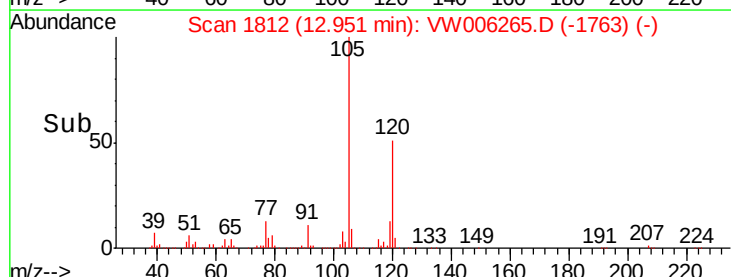
105 100

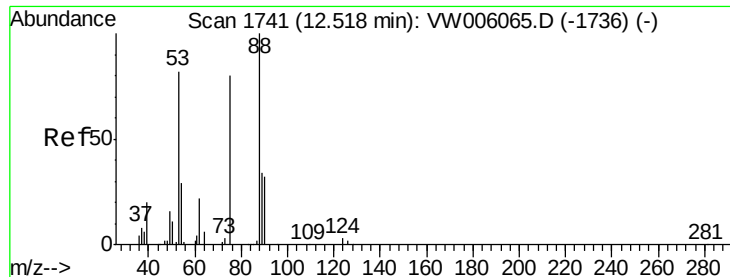
120 49.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





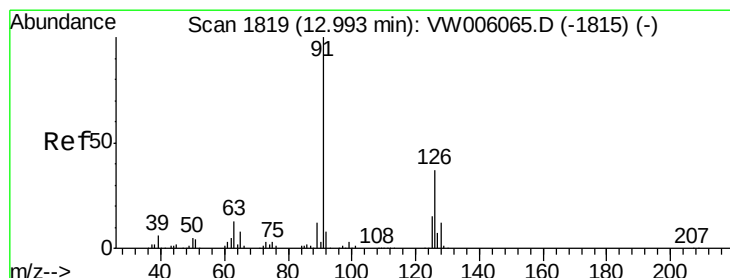
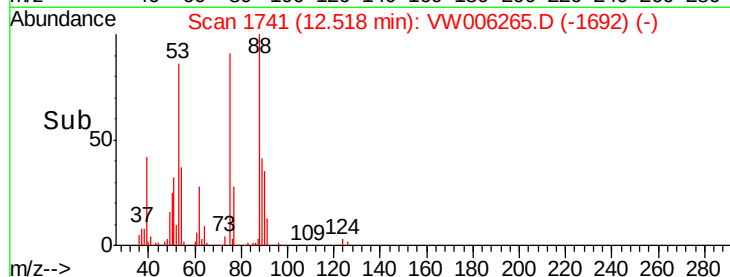
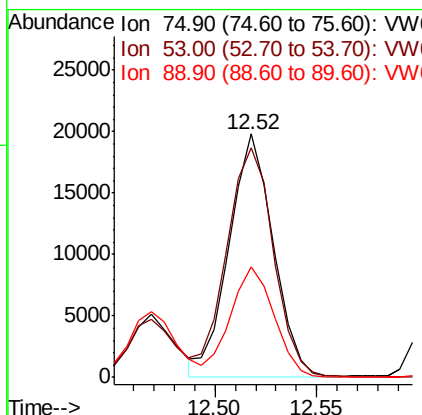
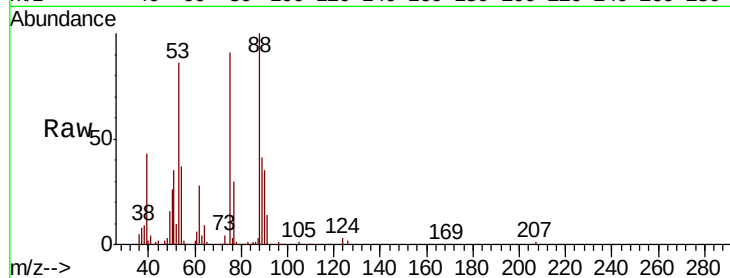
#81
trans-1,4-Dichloro-2-butene
Concen: 51.434 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.5	79.8	119.6
89	45.4	37.5	56.3

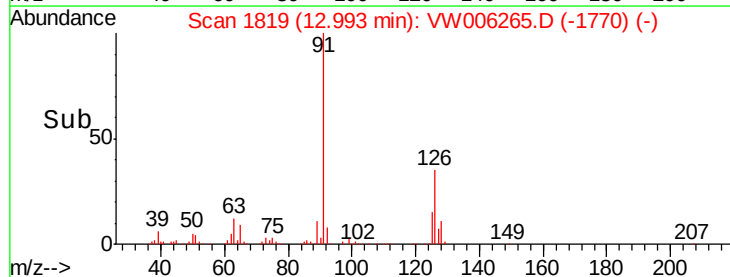
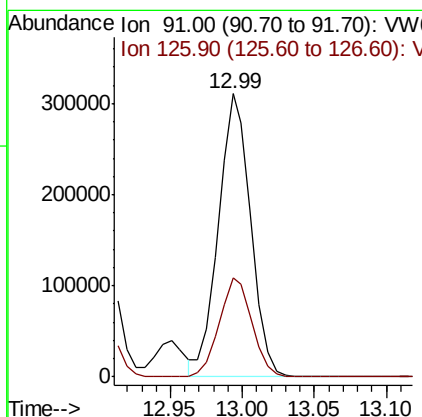
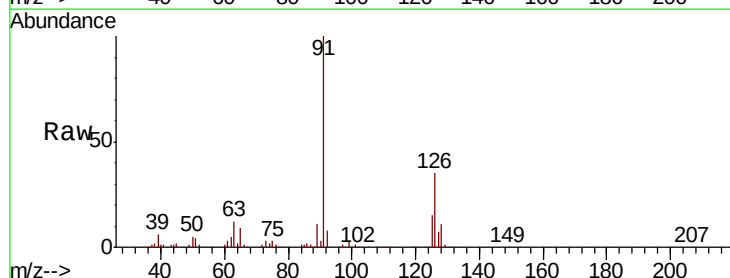
Manual Integrations
APPROVED

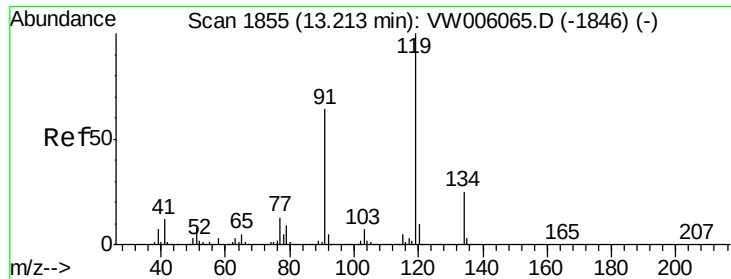
sam
10/24/2018 5:33:13 PM



#82
4-Chlorotoluene
Concen: 55.747 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	18.1	54.3





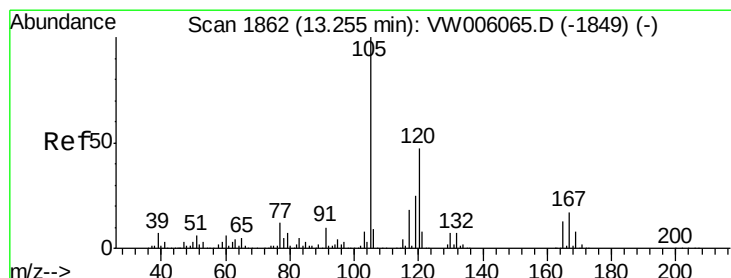
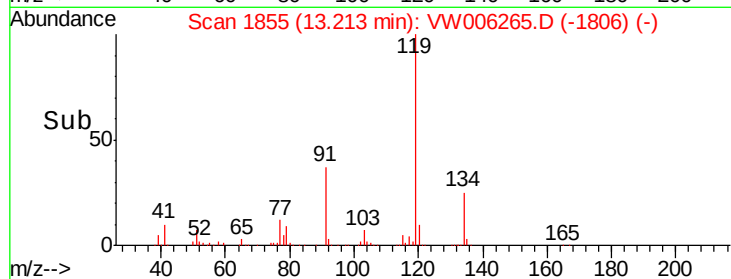
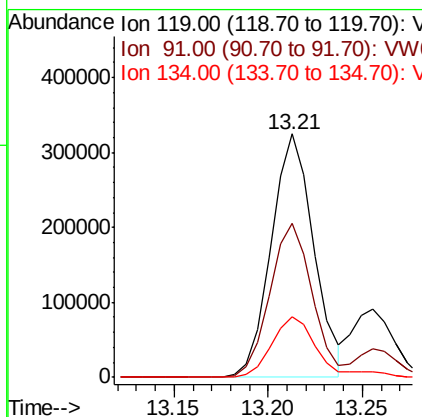
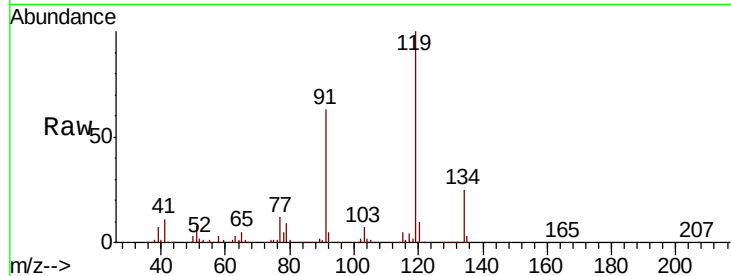
#83
 tert-Butylbenzene
 Concen: 52.969 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	32.3	96.9
134	25.2	13.6	40.8

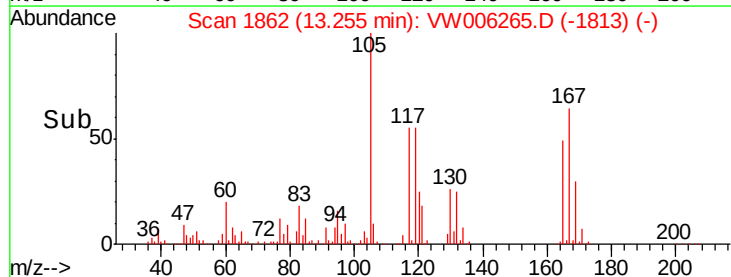
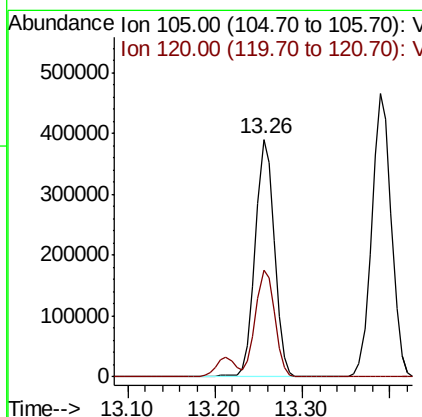
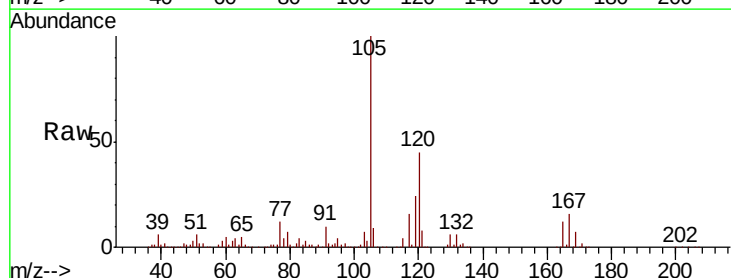
Manual Integrations
 APPROVED

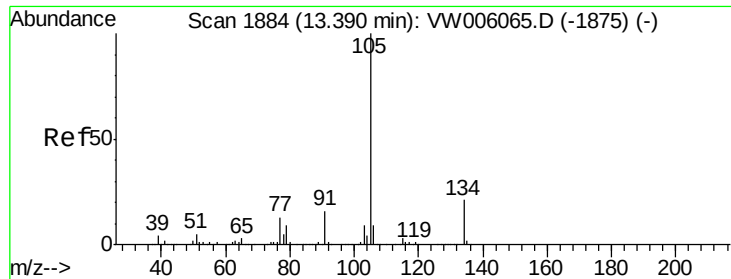
sam
 10/24/2018 5:33:13 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.437 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.3





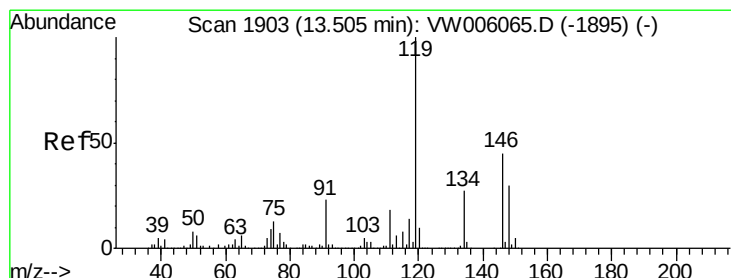
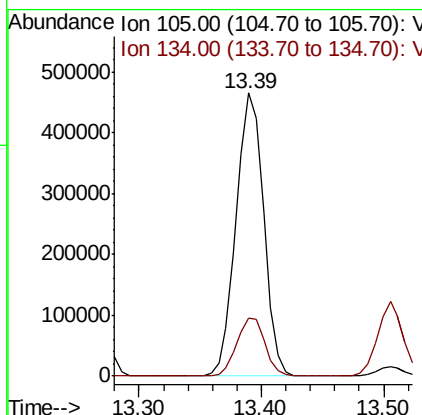
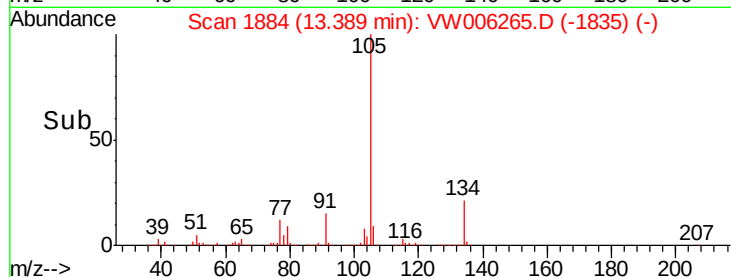
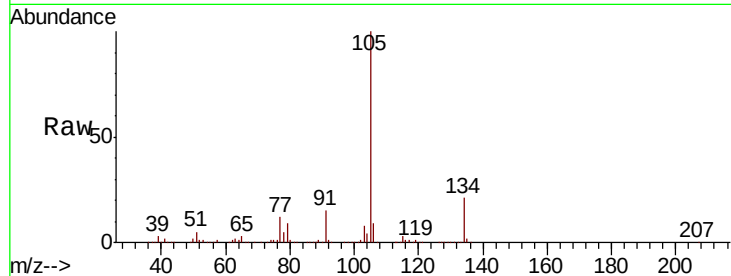
#85
 sec-Butylbenzene
 Concen: 53.564 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.6

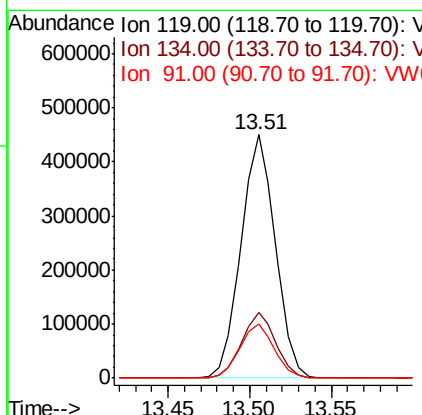
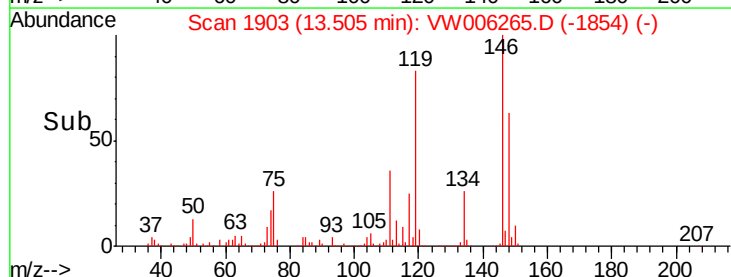
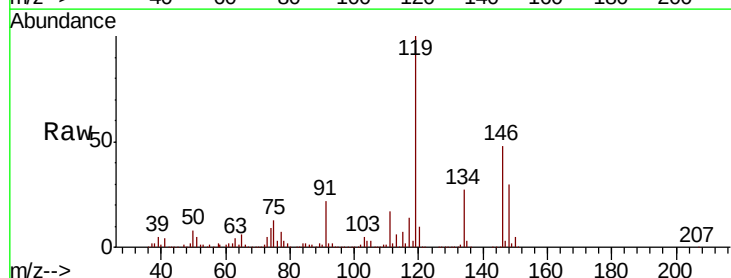
Manual Integrations
 APPROVED

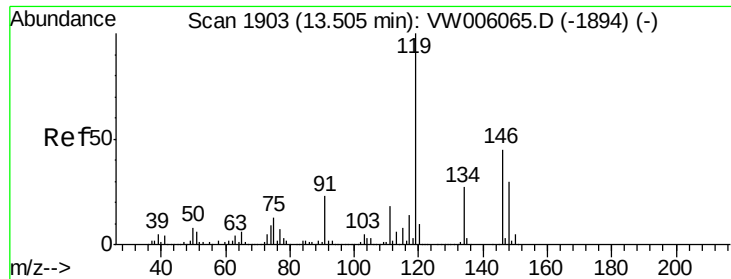
sam
 10/24/2018 5:33:13 PM



#86
 p-Isopropyltoluene
 Concen: 53.665 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.2
91	22.3	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 54.349 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

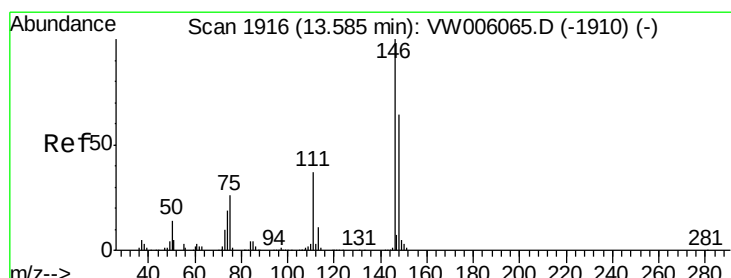
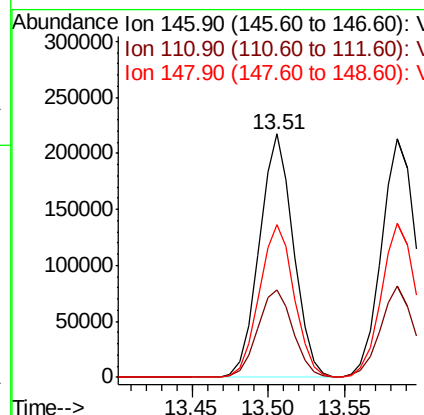
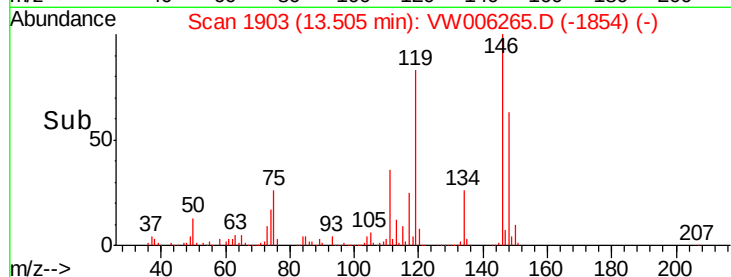
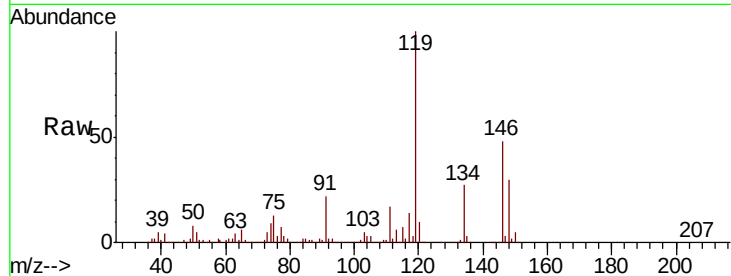
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.3	19.1	57.5	
148	64.1	32.0	96.2	

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#88

1,4-Dichlorobenzene

Concen: 53.891 ug/l

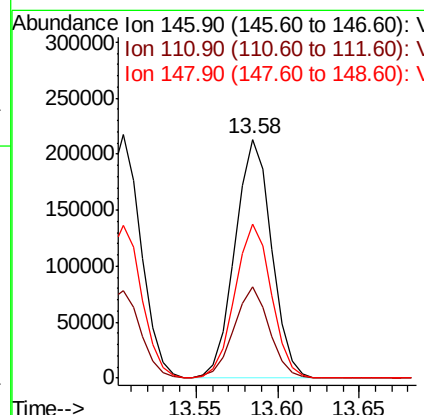
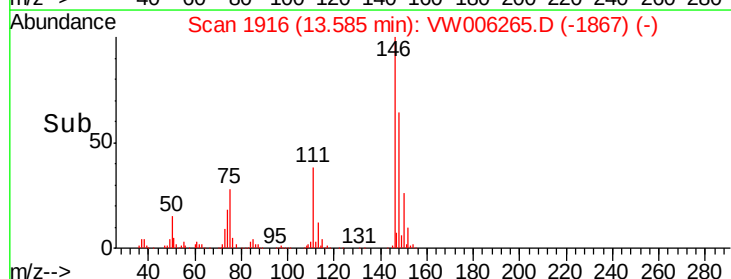
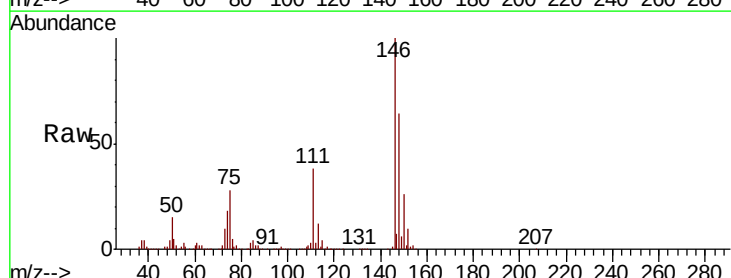
RT: 13.58 min Scan# 1916

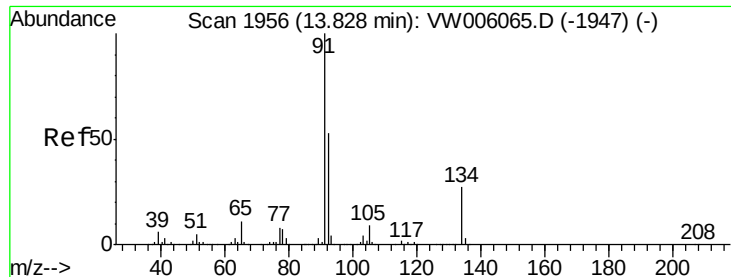
Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.9	18.6	56.0	
148	64.4	32.1	96.5	





#89

n-Butylbenzene

Concen: 53.448 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Instrument :

MSVOA_W

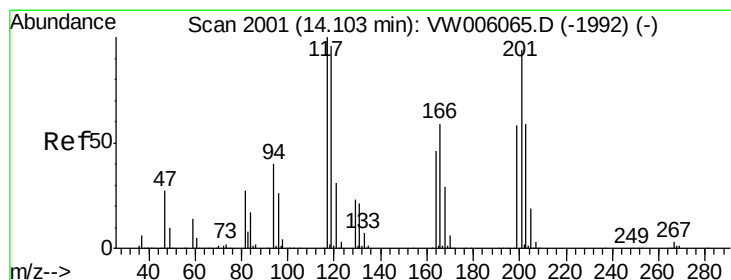
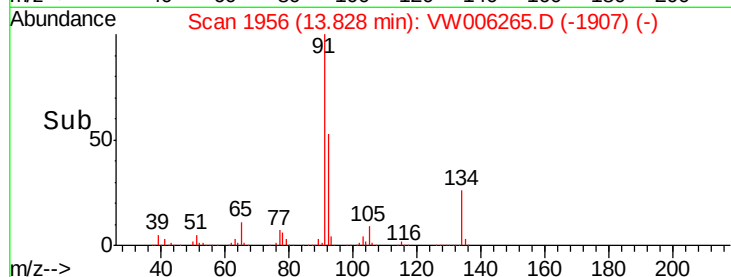
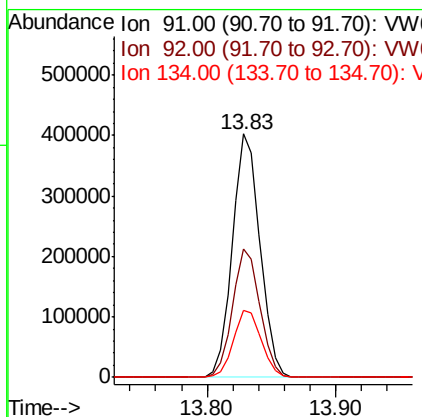
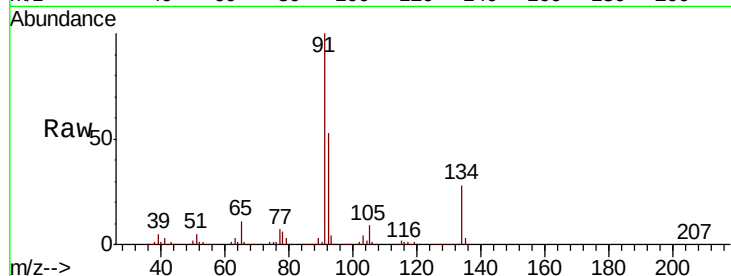
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	599586
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	27.9	14.0	41.9

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#90

Hexachloroethane

Concen: 51.922 ug/l

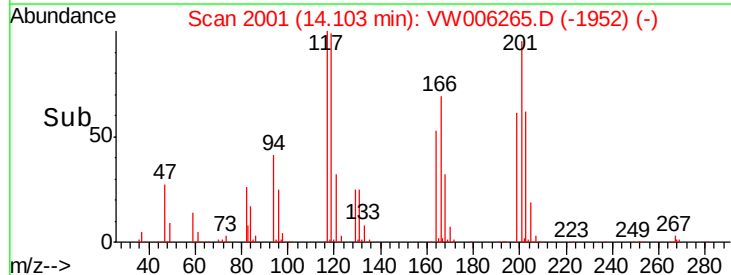
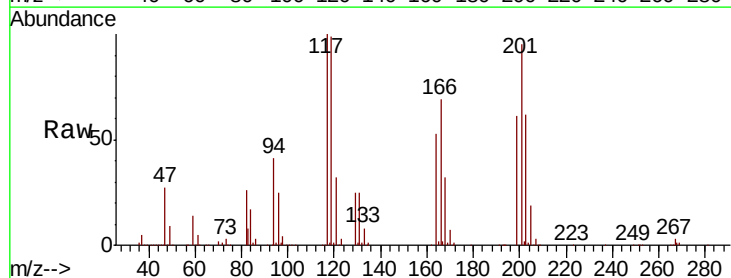
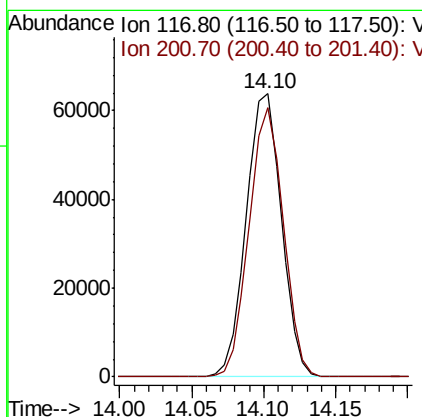
RT: 14.10 min Scan# 2001

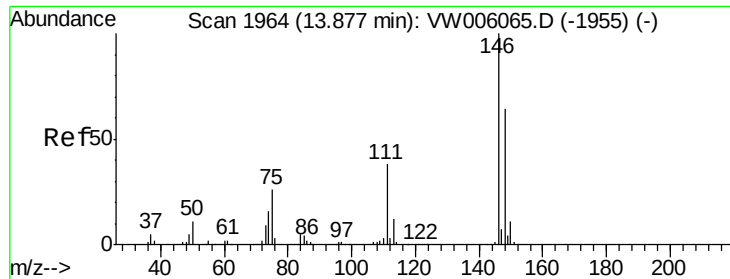
Delta R.T. -0.00 min

Lab File: VW006265.D

Acq: 22 Oct 2018 21:36

Tgt Ion:	117	Resp:	107879
Ion	Ratio	Lower	Upper
117	100		
201	92.4	45.3	135.9





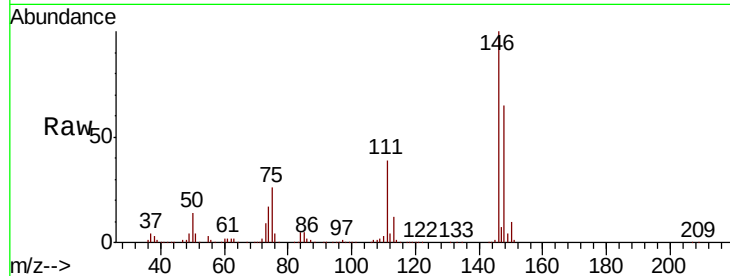
#91
 1,2-Dichlorobenzene
 Concen: 54.755 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.3	32.2	96.6

Manual Integrations
 APPROVED

sam
 10/24/2018 5:33:13 PM

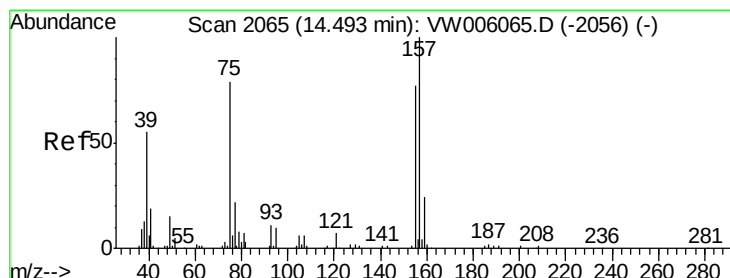
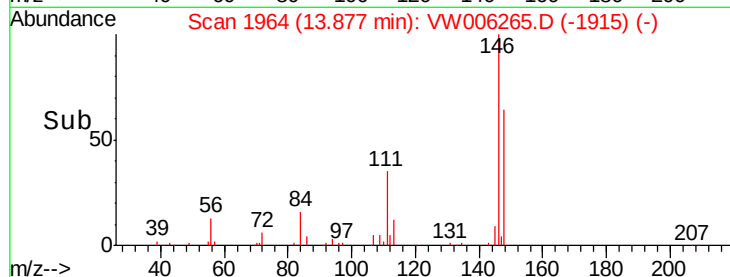
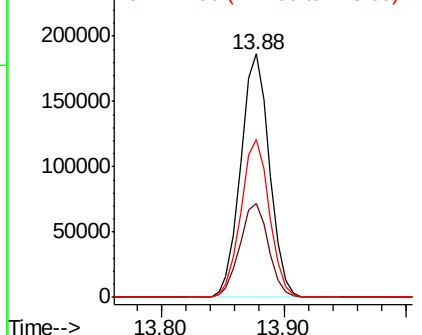


Abundance

Ion 145.90 (145.60 to 146.60): V

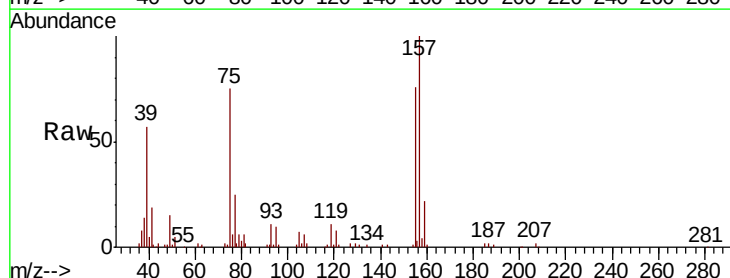
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.148 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	46.5	139.5
157	128.5	59.8	179.4

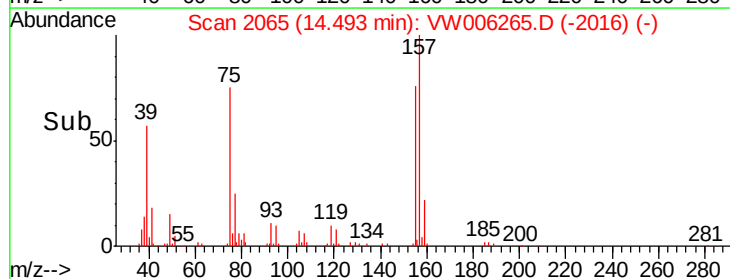
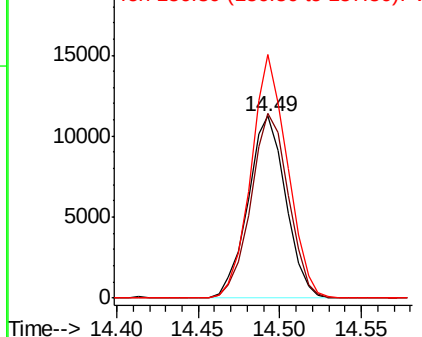


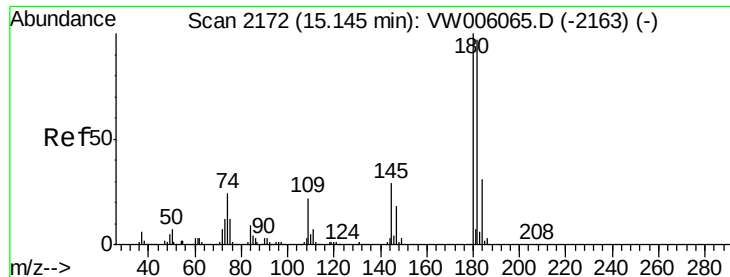
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





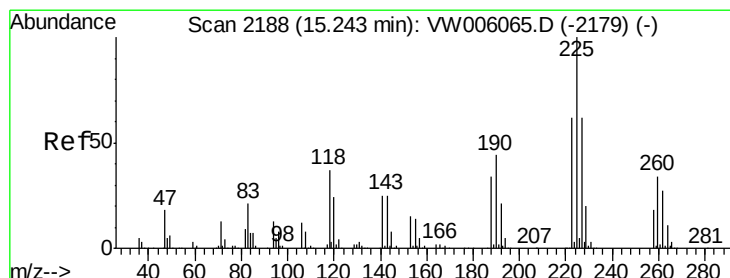
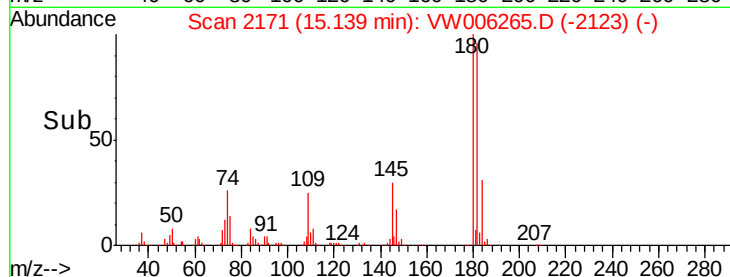
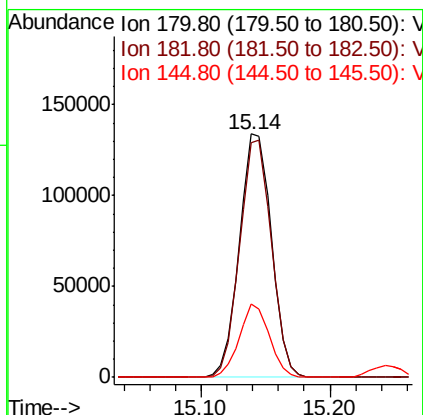
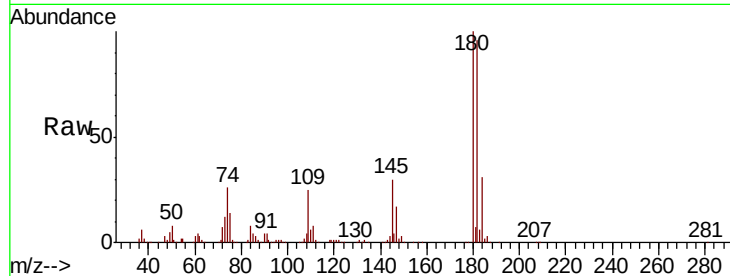
#93
 1,2,4-Trichlorobenzene
 Concen: 53.966 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	229785		
182	96.6	47.9	143.6	
145	28.3	14.2	42.8	

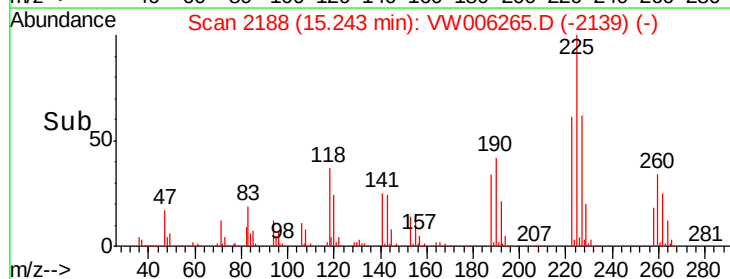
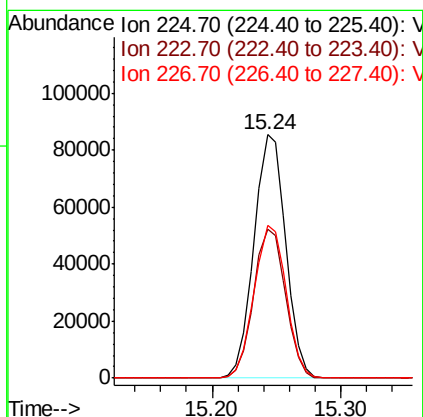
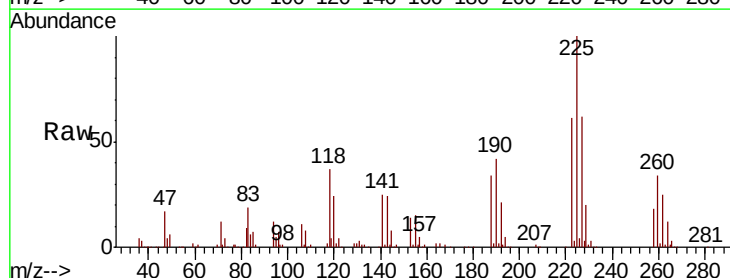
Manual Integrations
 APPROVED

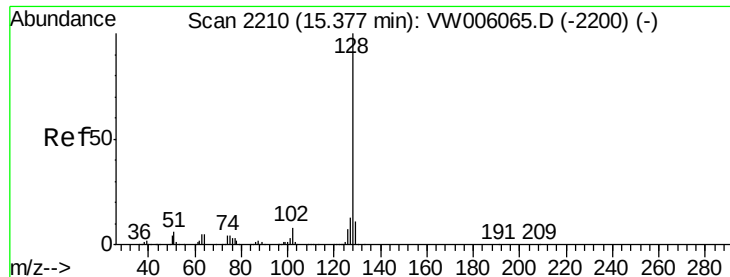
sam
 10/24/2018 5:33:13 PM



#94
 Hexachlorobutadiene
 Concen: 54.140 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006265.D
 Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144816		
223	61.8	31.1	93.5	
227	63.5	32.4	97.0	





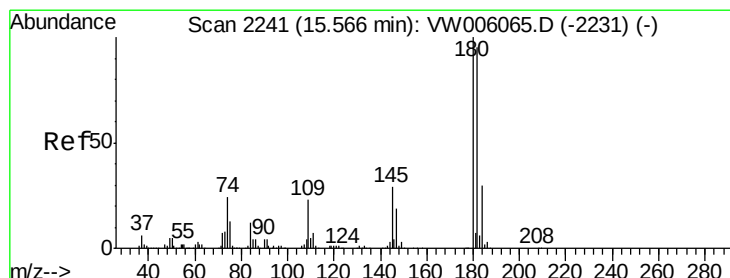
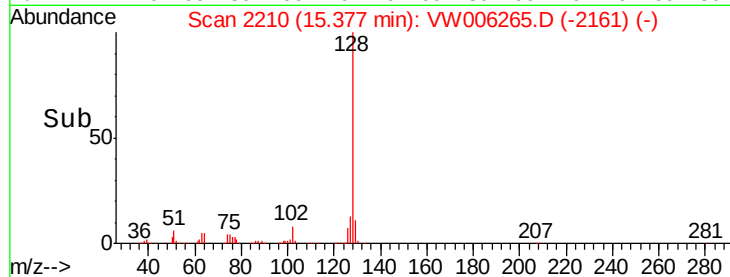
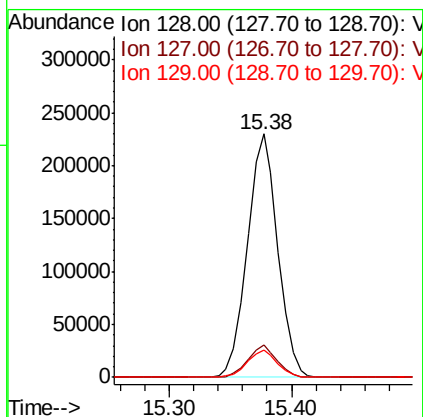
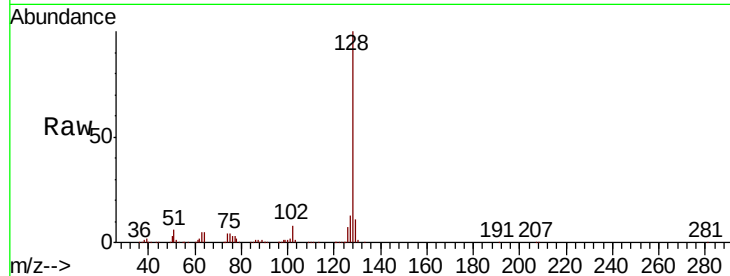
#95
Naphthalene
Concen: 55.984 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

sam
10/24/2018 5:33:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.668 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006265.D
Acq: 22 Oct 2018 21:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.3
145	30.2	15.0	45.1

