

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006244.D
 Acq On : 22 Oct 2018 11:49
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 10/24/2018 5:32:58 PM

Quant Time: Oct 22 14:17:16 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	314969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	436221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	386045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	215405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117219	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
35) Dibromofluoromethane	7.89	113	128286	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.33	98	483018	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.62	95	183196	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	85627	54.937	ug/l	99
3) Chloromethane	2.21	50	89464	44.591	ug/l	99
4) Vinyl Chloride	2.37	62	143427	50.058	ug/l	98
5) Bromomethane	2.79	94	112148	43.034	ug/l	99
6) Chloroethane	2.93	64	93514	45.543	ug/l	98
7) Trichlorofluoromethane	3.26	101	133258	49.925	ug/l	97
8) Diethyl Ether	3.68	74	62532	44.081	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	149966	53.612	ug/l	99
10) Methyl Iodide	4.26	142	247349	53.127	ug/l	100
11) Tert butyl alcohol	5.23	59	37991	216.326	ug/l	100
12) 1,1-Dichloroethene	4.03	96	139089	52.852	ug/l	94
13) Acrolein	3.90	56	38838	228.546	ug/l	99
14) Allyl chloride	4.67	41	190029	50.501	ug/l	98
15) Acrylonitrile	5.38	53	116241	228.460	ug/l	100
16) Acetone	4.15	43	139560	287.076	ug/l	100
17) Carbon Disulfide	4.37	76	404300	50.903	ug/l	100
18) Methyl Acetate	4.68	43	57553	43.796	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	193023	48.156	ug/l	98
20) Methylene Chloride	4.92	84	138787	50.238	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	153984	52.421	ug/l	99
22) Diisopropyl ether	6.31	45	362683	48.774	ug/l	99
23) Vinyl Acetate	6.26	43	1016962	231.740	ug/l	98
24) 1,1-Dichloroethane	6.21	63	246519	51.378	ug/l	100
25) 2-Butanone	7.18	43	161439	228.852	ug/l	97
26) 2,2-Dichloropropane	7.17	77	182036	53.791	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	168185	51.884	ug/l	99
28) Bromochloromethane	7.51	49	88360	47.701	ug/l	91
29) Tetrahydrofuran	7.54	42	93038	214.565	ug/l	97
30) Chloroform	7.68	83	268039	51.274	ug/l	99
31) Cyclohexane	7.96	56	231159	48.377	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	250770	53.179	ug/l	99
36) 1,1-Dichloropropene	8.09	75	217989	54.216	ug/l	99
37) Ethyl Acetate	7.26	43	66899	44.783	ug/l	99
38) Carbon Tetrachloride	8.07	117	244158	55.393	ug/l	99

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 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	289417	54.151	ug/l	99
40) Benzene	8.33	78	581133	52.690	ug/l	100
41) Methacrylonitrile	7.49	41	44487	49.400	ug/l	97
42) 1,2-Dichloroethane	8.40	62	164584	50.792	ug/l	100
43) Isopropyl Acetate	8.43	43	136901	44.821	ug/l	99
44) Trichloroethene	9.09	130	184636	54.566	ug/l	96
45) 1,2-Dichloropropane	9.37	63	134742	51.054	ug/l	99
46) Dibromomethane	9.46	93	74965	49.837	ug/l	97
47) Bromodichloromethane	9.65	83	188924	51.804	ug/l	98
48) Methyl methacrylate	9.44	41	66442	45.891	ug/l	95
49) 1,4-Dioxane	9.48	88	22571	974.695	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	338928	221.468	ug/l	98
52) Toluene	10.39	92	390934	52.870	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	188495	51.877	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	218739	52.453	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	104862	49.816	ug/l	98
56) Ethyl methacrylate	10.65	69	123643	47.913	ug/l	95
57) 1,3-Dichloropropane	10.94	76	173353	49.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	217121	220.191	ug/l	97
59) 2-Hexanone	10.98	43	253223	231.797	ug/l	97
60) Dibromochloromethane	11.13	129	133602	50.955	ug/l	100
61) 1,2-Dibromoethane	11.24	107	105414	50.119	ug/l	100
64) Tetrachloroethene	10.87	164	164623	54.931	ug/l	99
65) Chlorobenzene	11.66	112	448087	54.221	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	161512	54.994	ug/l	99
67) Ethyl Benzene	11.74	91	790267	55.179	ug/l	99
68) m/p-Xylenes	11.84	106	620585	109.629	ug/l	99
69) o-Xylene	12.17	106	295991	54.865	ug/l	98
70) Styrene	12.19	104	473644	53.990	ug/l	100
71) Bromoform	12.35	173	83727	51.112	ug/l	100
73) Isopropylbenzene	12.47	105	841099	55.271	ug/l	99
74) N-amyl acetate	12.28	43	137579	46.547	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	115937	50.091	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	78397m	47.650	ug/l	
77) Bromobenzene	12.75	156	201533	54.069	ug/l	98
78) n-propylbenzene	12.81	91	973593	54.991	ug/l	100
79) 2-Chlorotoluene	12.90	91	544780	54.766	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	703237	54.817	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	35404	51.438	ug/l	98
82) 4-Chlorotoluene	12.99	91	561507	53.886	ug/l	99
83) tert-Butylbenzene	13.21	119	635563	55.372	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	712113	54.855	ug/l	100
85) sec-Butylbenzene	13.39	105	899694	55.484	ug/l	100
86) p-Isopropyltoluene	13.51	119	820663	55.954	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	404139	54.481	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	396608	53.698	ug/l	99
89) n-Butylbenzene	13.83	91	745464	55.576	ug/l	99
90) Hexachloroethane	14.10	117	138224	55.638	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	351352	53.100	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19511	47.083	ug/l	95

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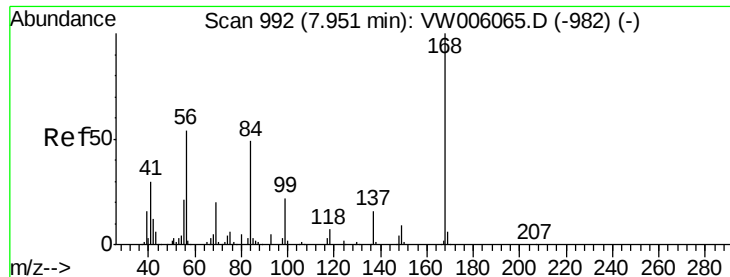
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	274245	53.866	ug/l	100
94) Hexachlorobutadiene	15.24	225	182818	57.161	ug/l	100
95) Naphthalene	15.38	128	427930	50.527	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	233474	53.018	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: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 314969

Ion Ratio Lower Upper

168 100

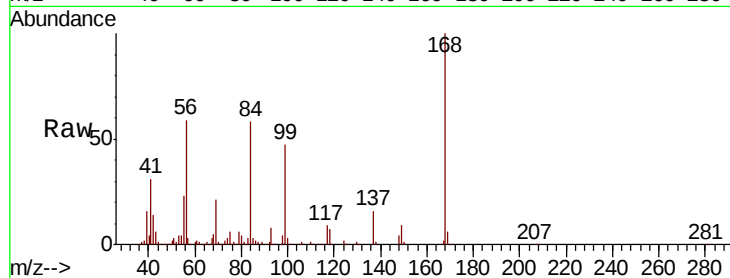
99 47.2 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

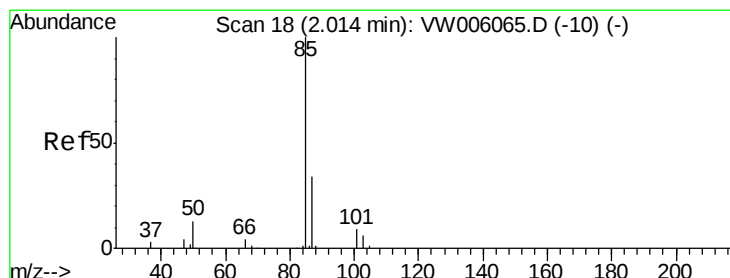
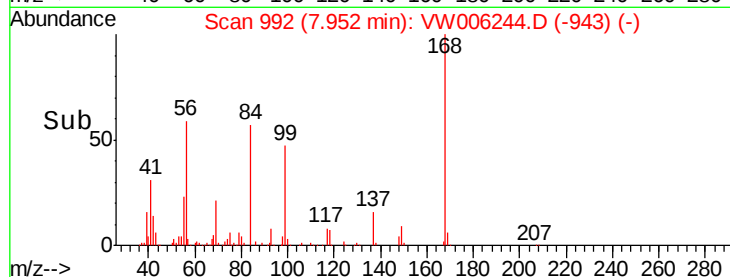
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.937 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006244.D

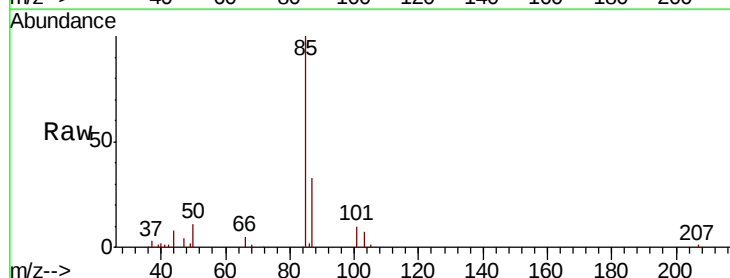
Acq: 22 Oct 2018 11:49

Tgt Ion: 85 Resp: 85627

Ion Ratio Lower Upper

85 100

87 32.9 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

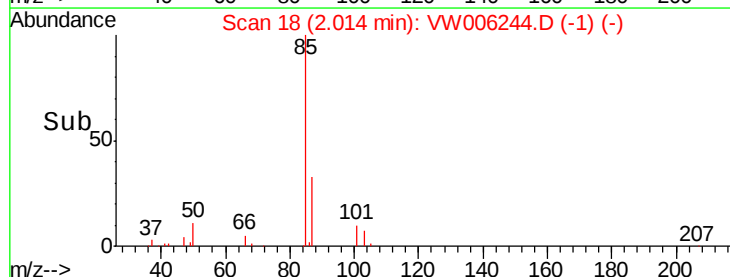
10000

5000

0

1.80 2.00 2.20 2.40

Time-->





#3

Chloromethane

Concen: 44.591 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 89464

Ion Ratio Lower Upper

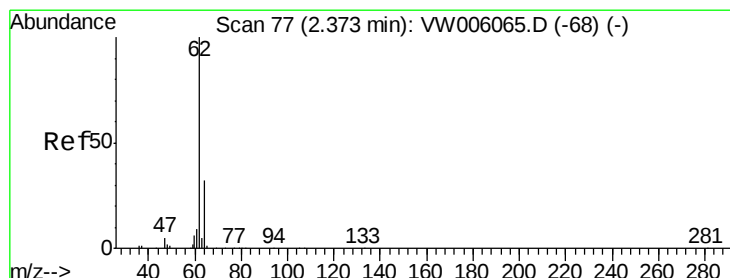
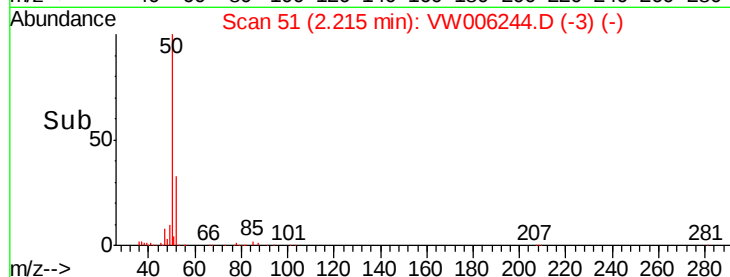
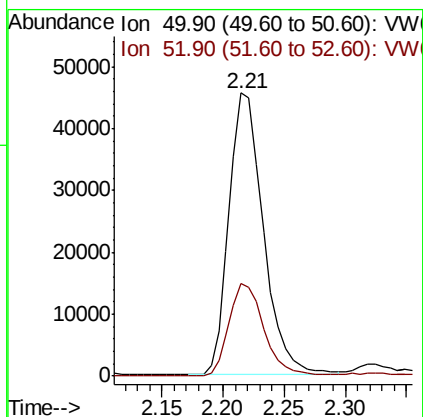
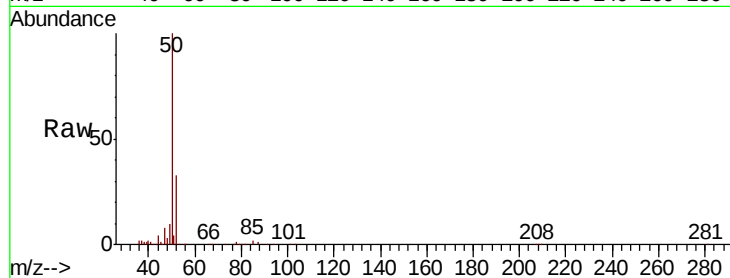
50 100

52 32.8 26.8 40.2

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#4

Vinyl Chloride

Concen: 50.058 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006244.D

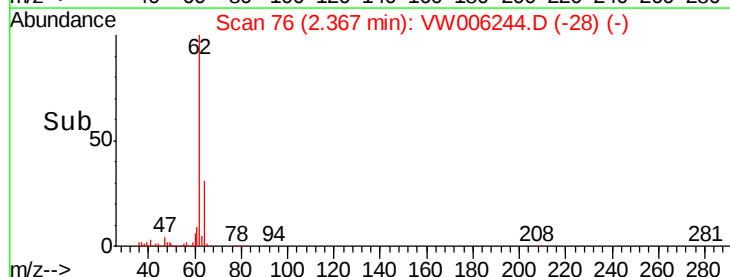
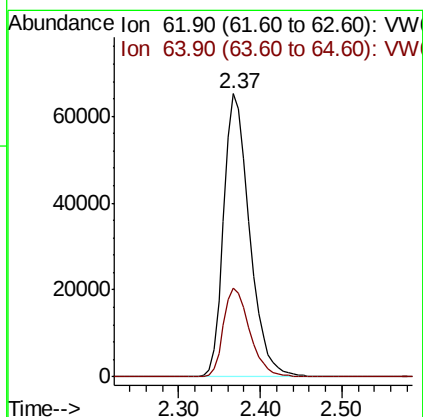
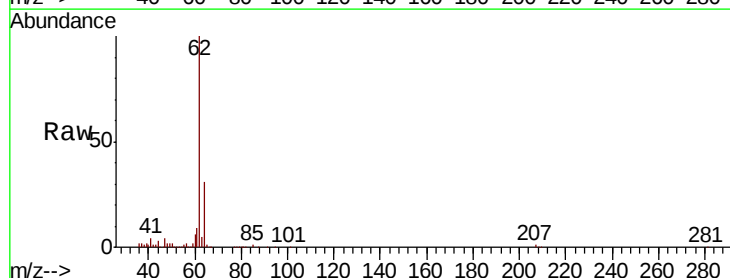
Acq: 22 Oct 2018 11:49

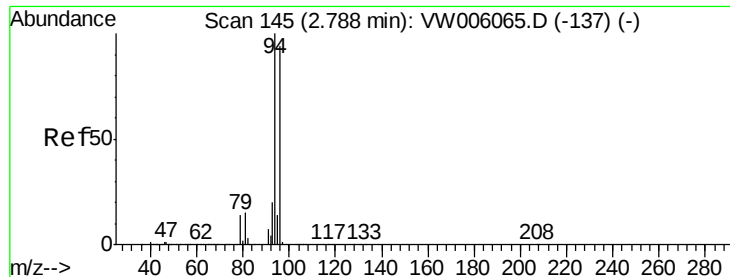
Tgt Ion: 62 Resp: 143427

Ion Ratio Lower Upper

62 100

64 31.3 25.9 38.9





#5

Bromomethane

Concen: 43.034 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 112148

Ion Ratio Lower Upper

94 100

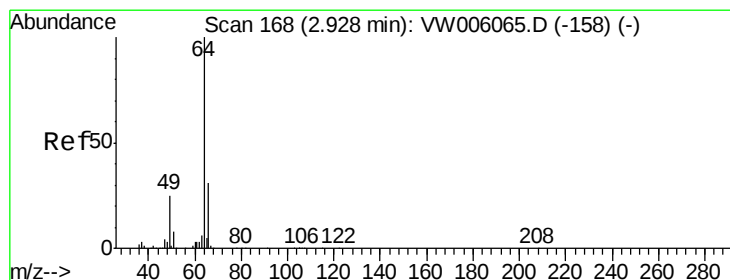
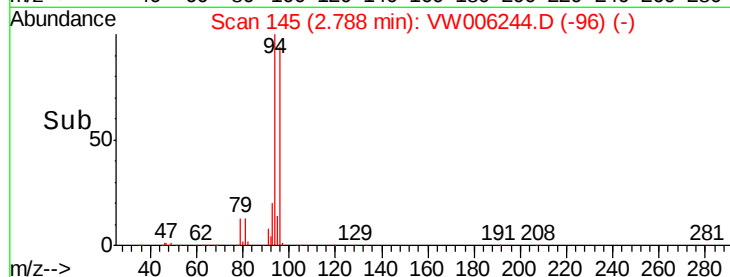
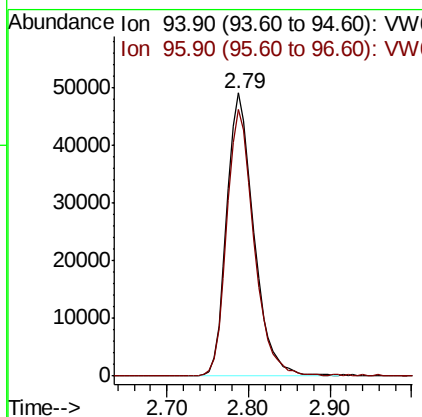
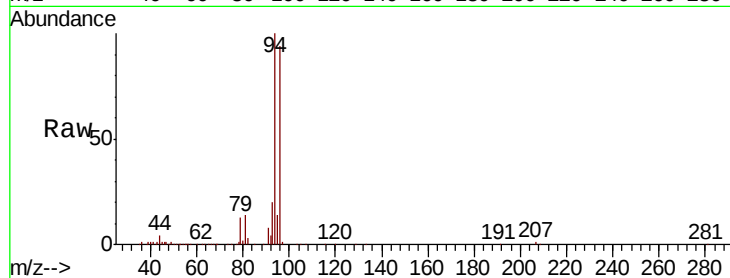
96 94.3 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 45.543 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006244.D

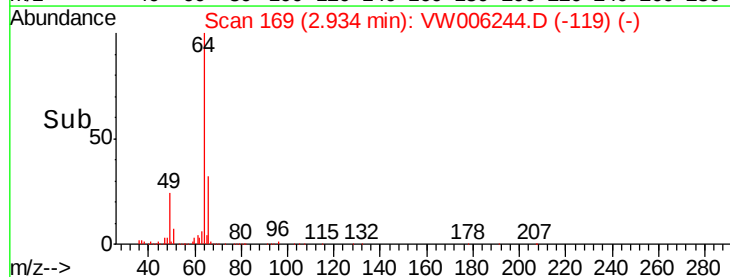
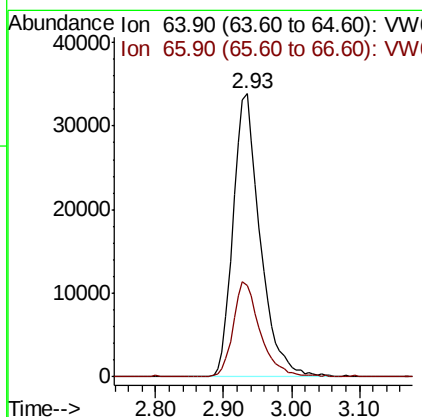
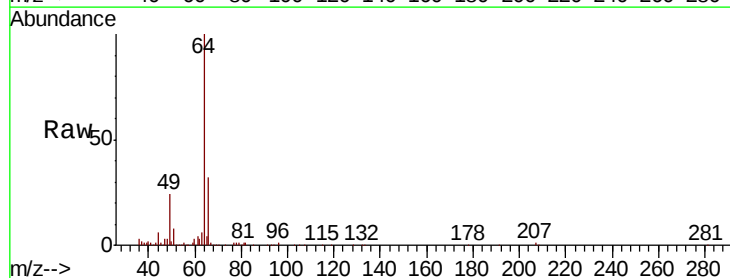
Acq: 22 Oct 2018 11:49

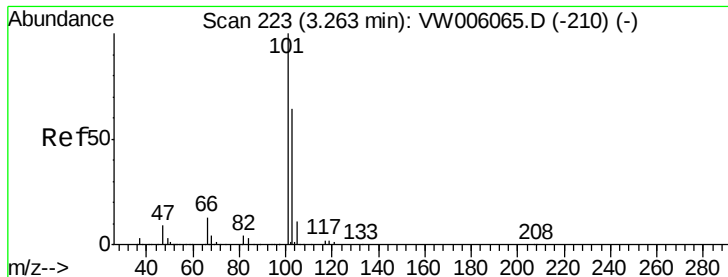
Tgt Ion: 64 Resp: 93514

Ion Ratio Lower Upper

64 100

66 32.0 24.9 37.3





#7

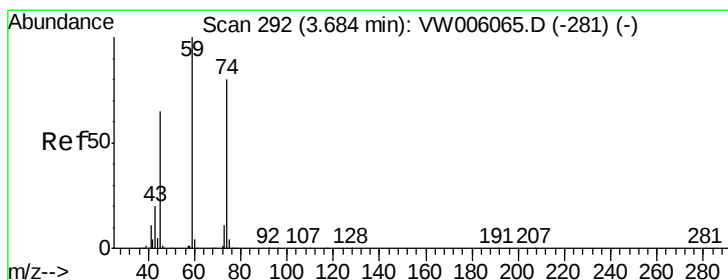
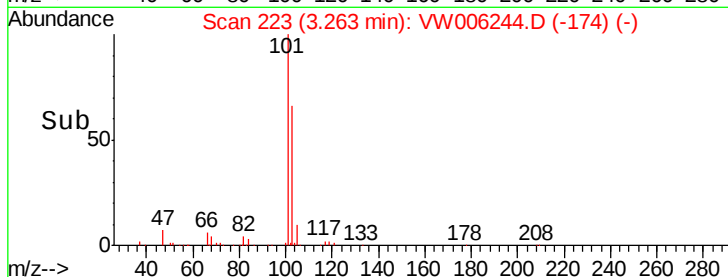
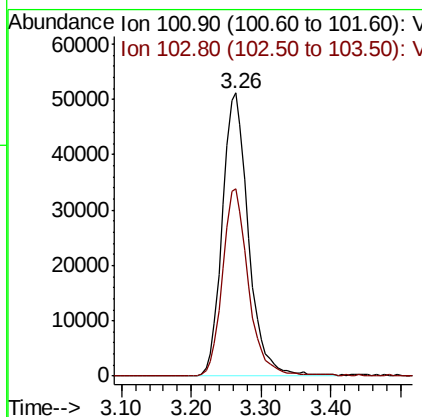
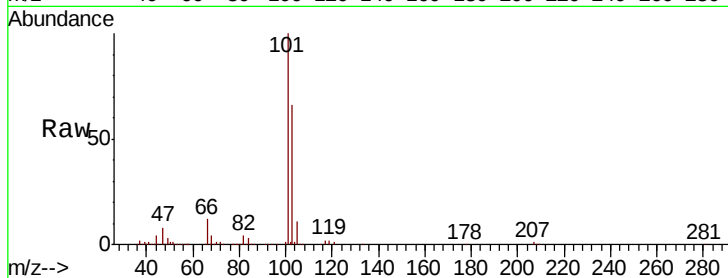
Trichlorofluoromethane
Concen: 49.925 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006244.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.2	76.8

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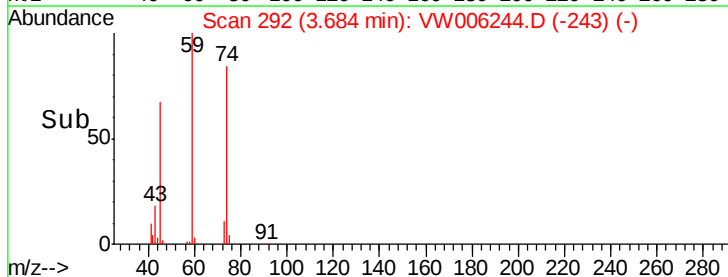
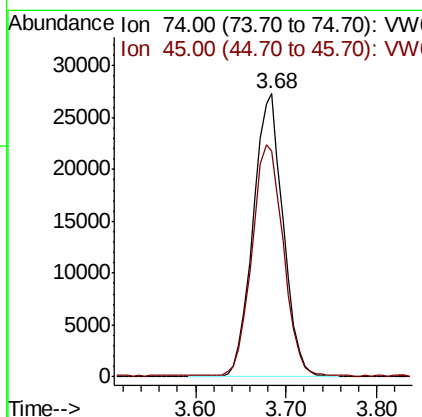
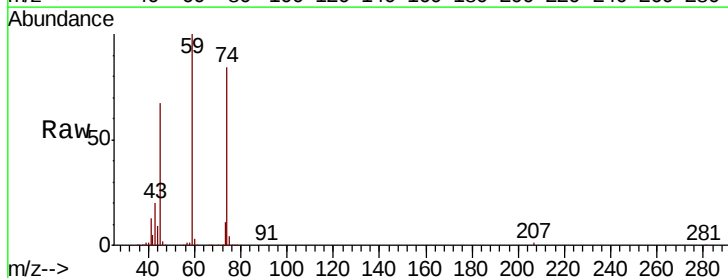
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#8

Diethyl Ether
Concen: 44.081 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.6	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.612 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

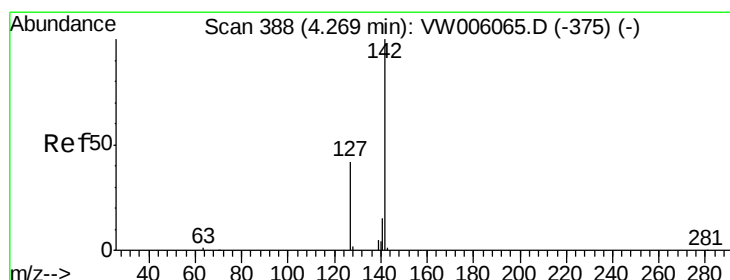
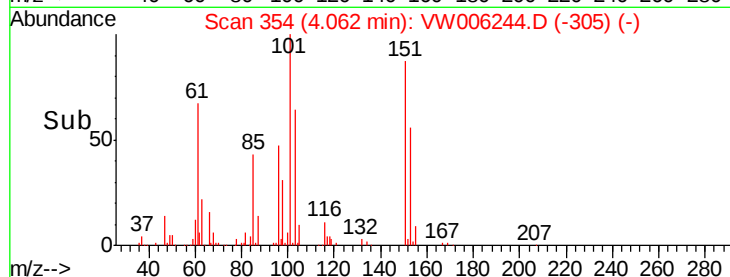
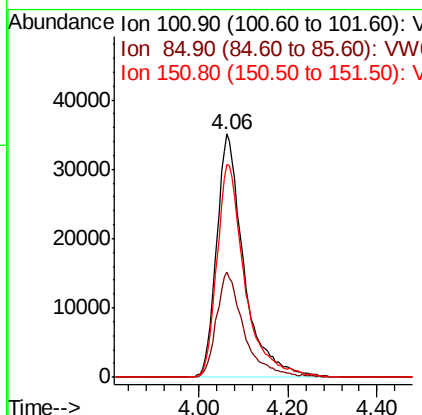
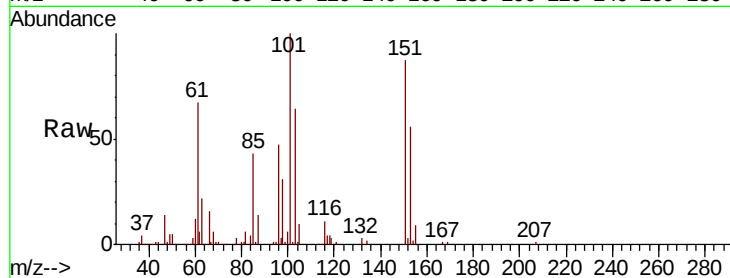
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	149966
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.9	52.3
151	89.1	70.4	105.6

Manual Integrations
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#10

Methyl Iodide

Concen: 53.127 ug/l

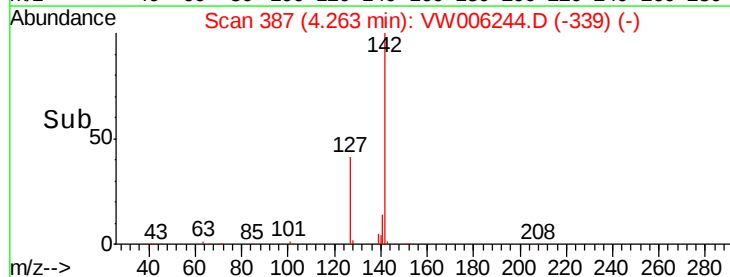
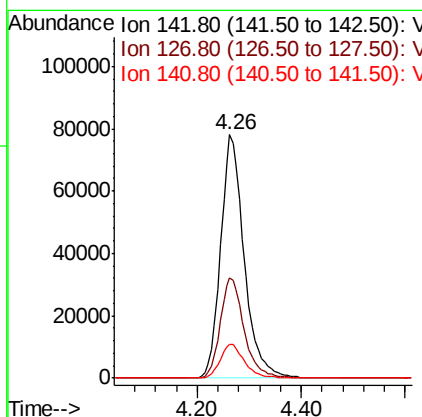
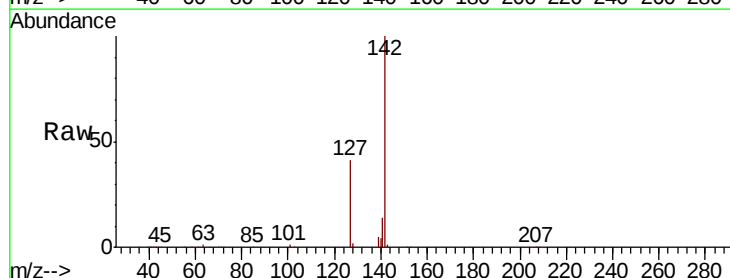
RT: 4.26 min Scan# 387

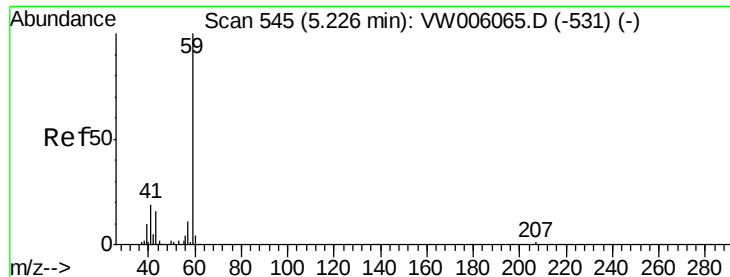
Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Tgt Ion:	142	Resp:	247349
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.6	50.4
141	14.3	11.6	17.4





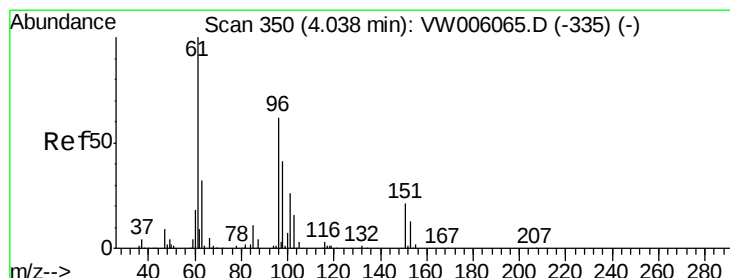
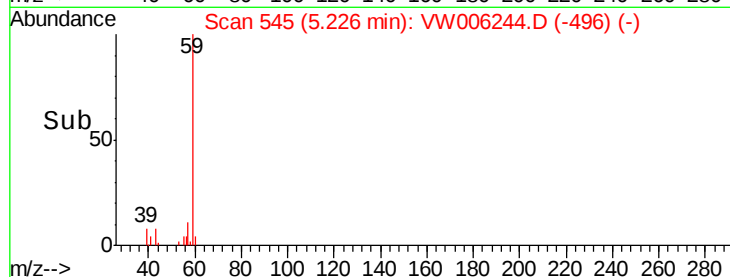
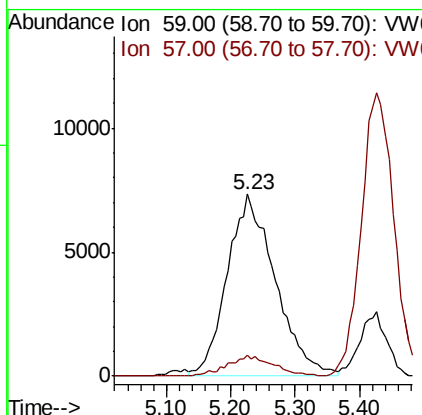
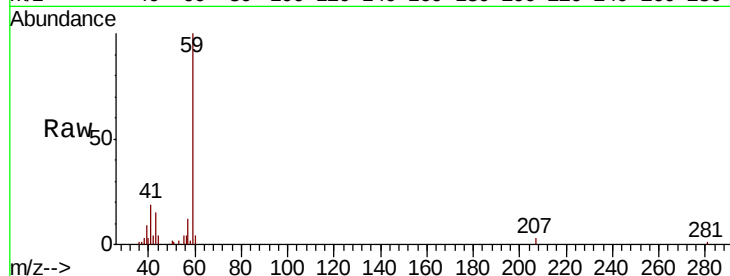
#11
Tert butyl alcohol
Concen: 216.326 ug/l
RT: 5.23 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 37991
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

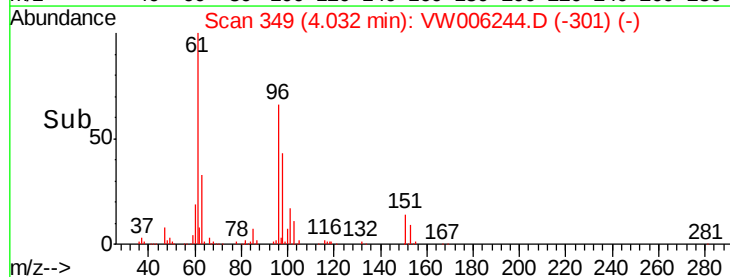
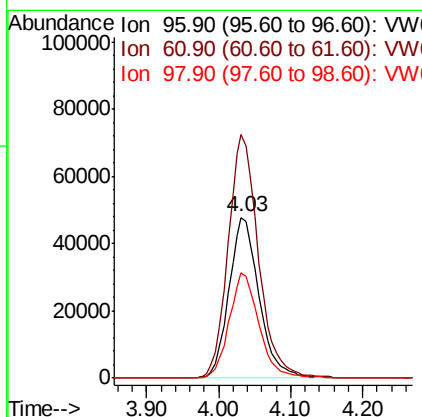
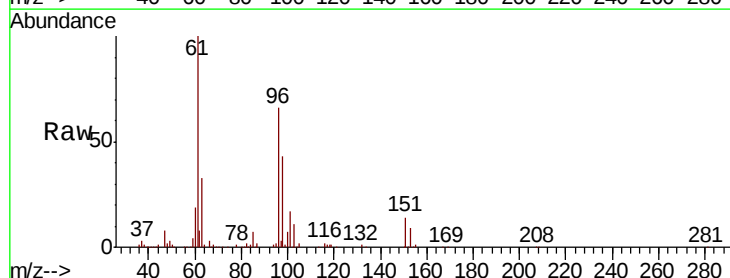
Manual Integrations
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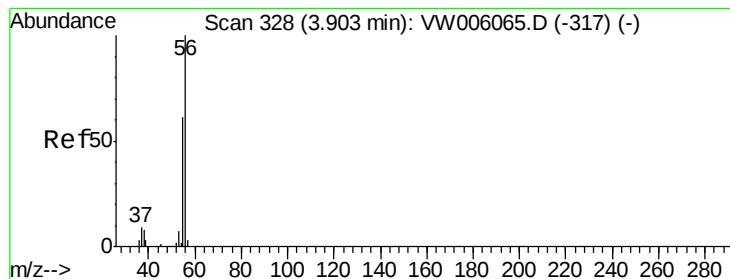
sam
10/24/2018 5:32:58 PM



#12
1,1-Dichloroethene
Concen: 52.852 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion: 96 Resp: 139089
Ion Ratio Lower Upper
96 100
61 151.4 129.3 193.9
98 65.1 53.1 79.7





#13

Acrolein

Concen: 228.546 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38838

Ion Ratio Lower Upper

56 100

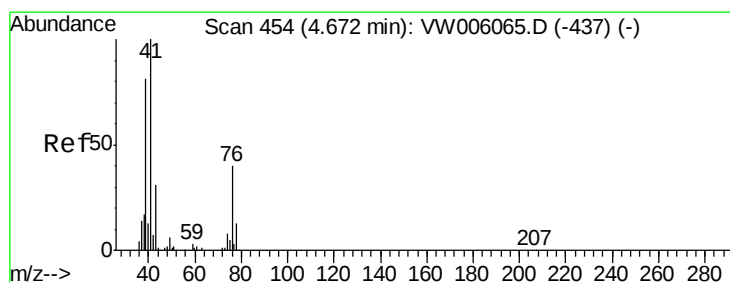
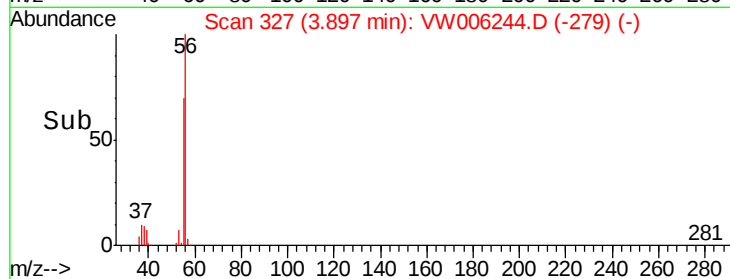
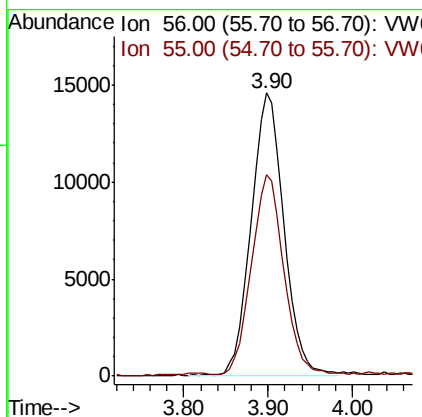
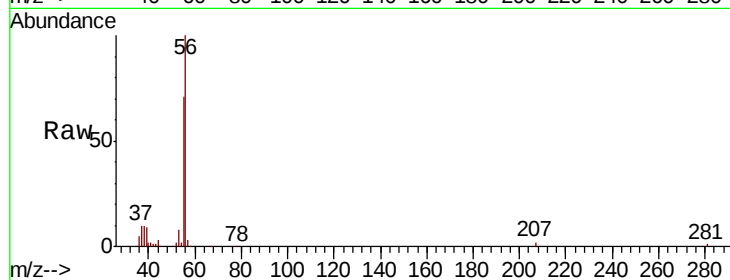
55 68.9 54.5 81.7

Manual Integrations

APPROVED

sam

10/24/2018 5:32:58 PM



#14

Allyl chloride

Concen: 50.501 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

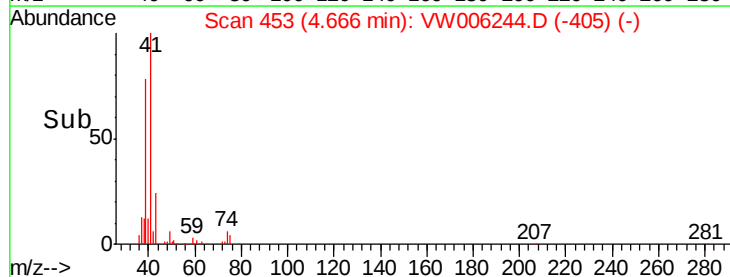
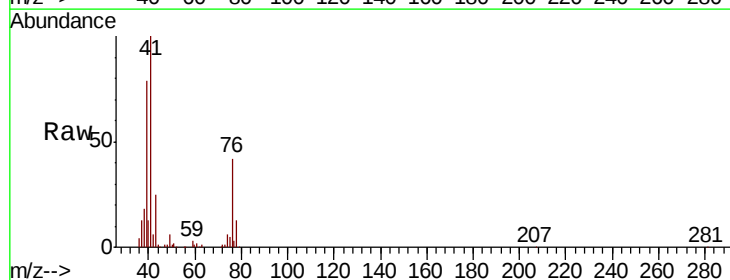
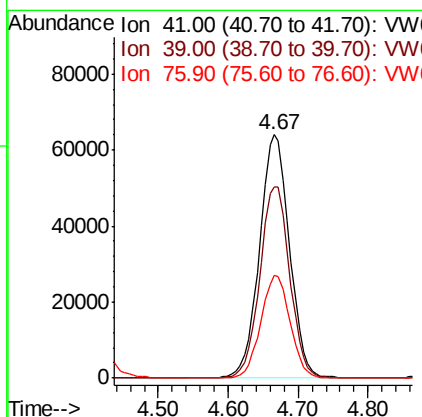
Tgt Ion: 41 Resp: 190029

Ion Ratio Lower Upper

41 100

39 78.6 64.1 96.1

76 41.4 32.2 48.4





#15

Acrylonitrile

Concen: 228.460 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

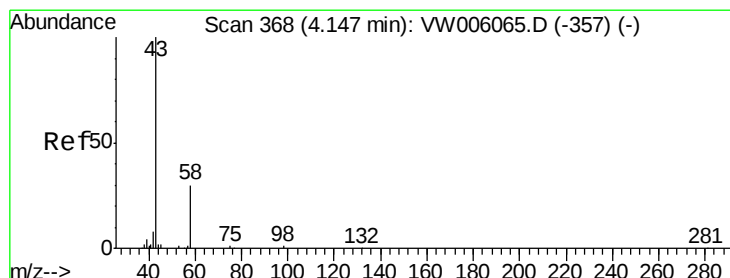
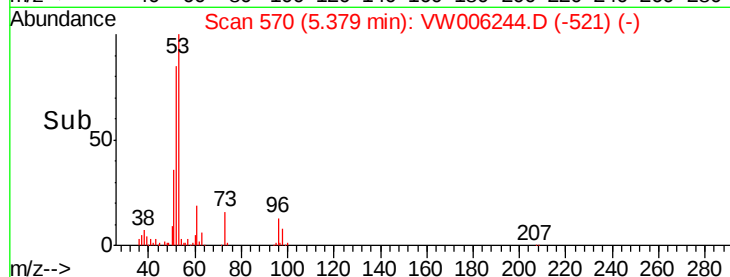
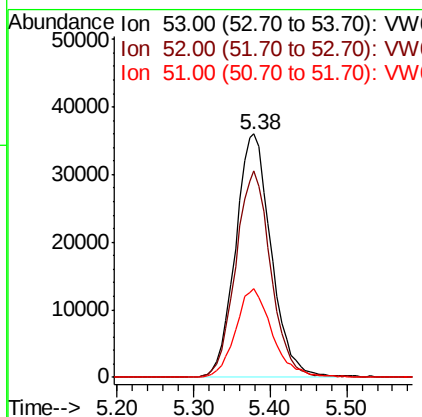
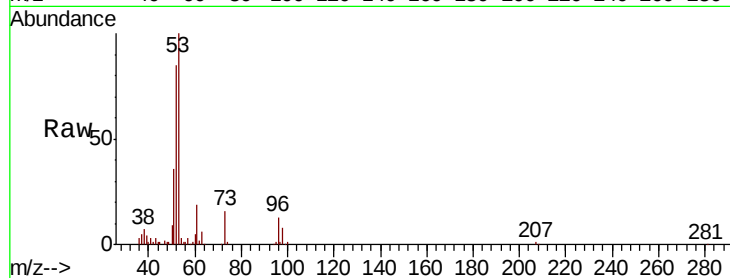
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	116241
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.9	100.3
51	37.4	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 287.076 ug/l

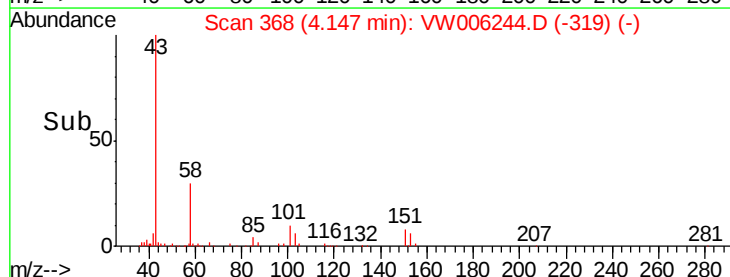
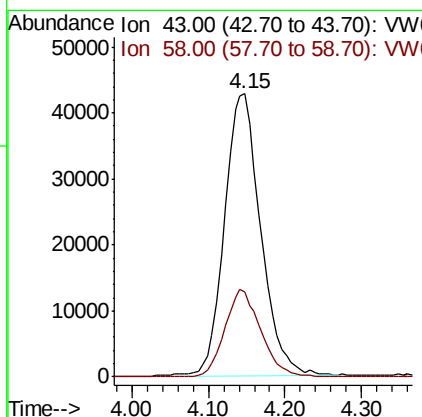
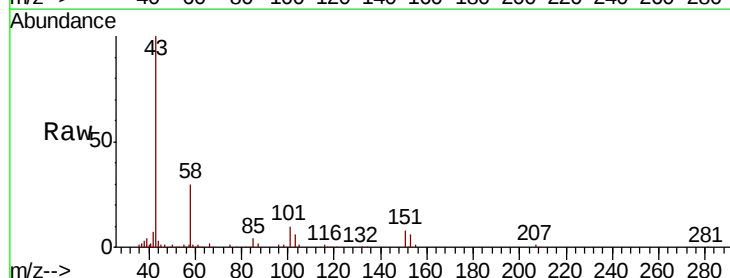
RT: 4.15 min Scan# 368

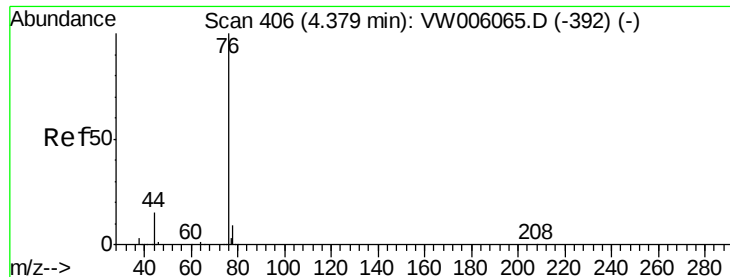
Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Tgt Ion:	43	Resp:	139560
Ion Ratio	Lower	Upper	
43	100		
58	29.9	24.0	36.0





#17

Carbon Disulfide

Concen: 50.903 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 404300

Ion Ratio Lower Upper

76 100

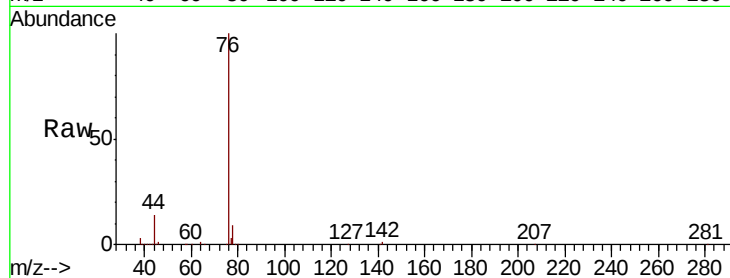
78 9.3 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

150000

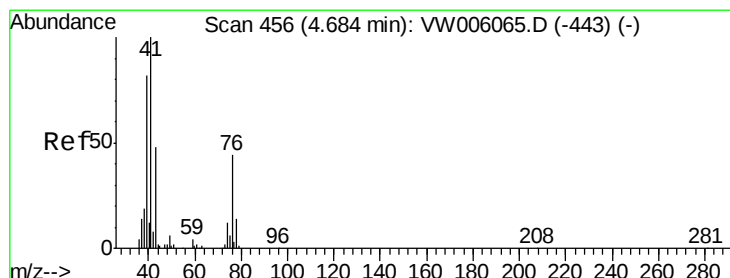
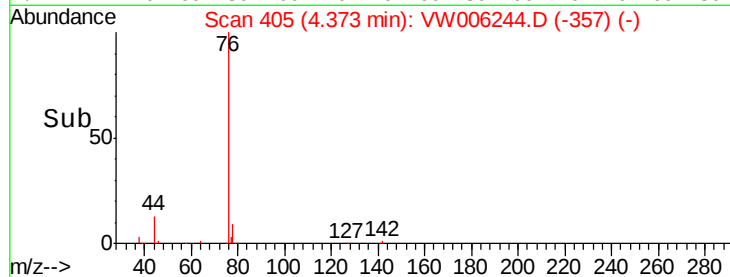
100000

50000

0

4.20 4.40 4.60

Time-->



#18

Methyl Acetate

Concen: 43.796 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006244.D

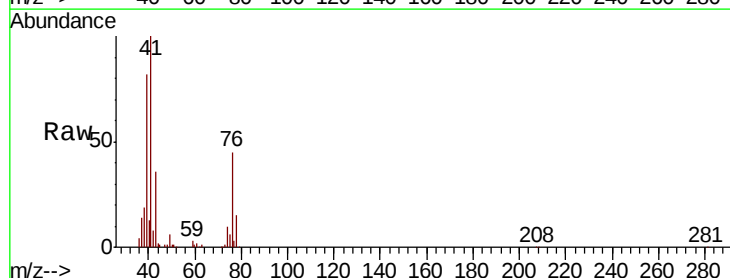
Acq: 22 Oct 2018 11:49

Tgt Ion: 43 Resp: 57553

Ion Ratio Lower Upper

43 100

74 26.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

20000

15000

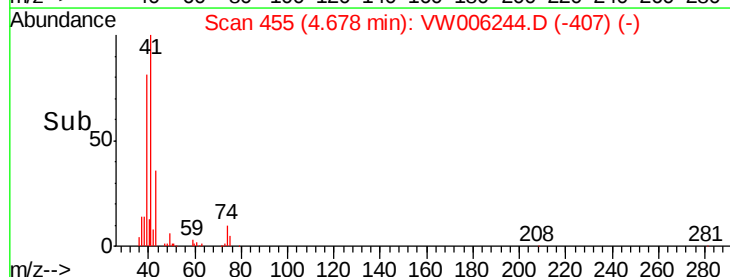
10000

5000

0

4.50 4.60 4.70 4.80

Time-->





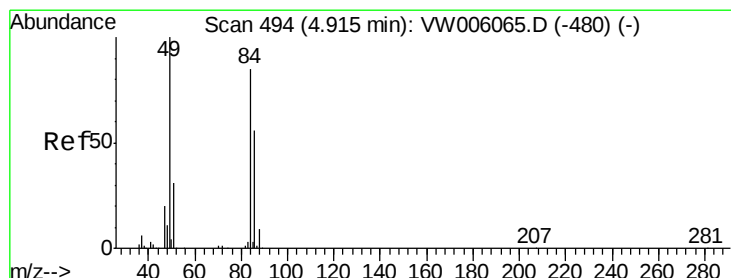
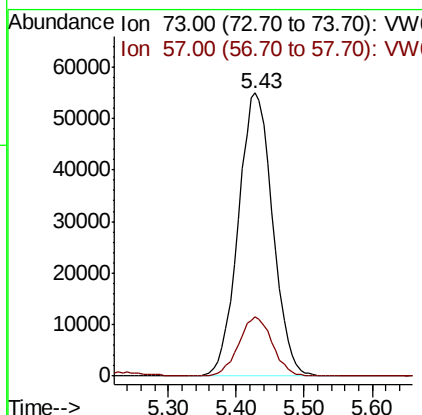
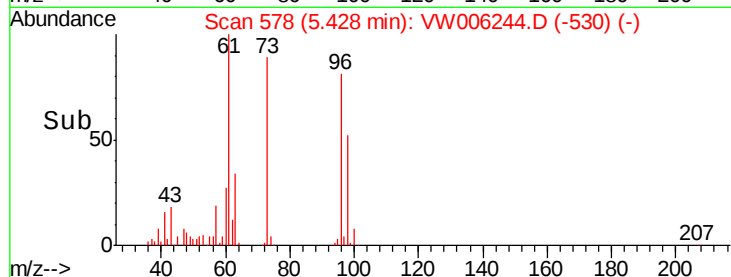
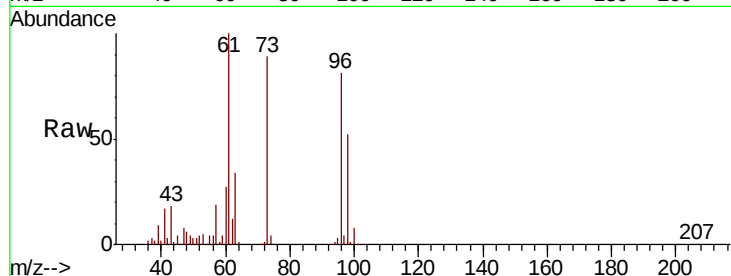
#19
Methvl tert-butvl Ether
Concen: 48.156 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.4	26.2

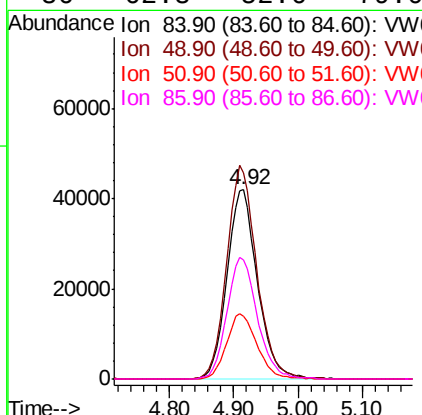
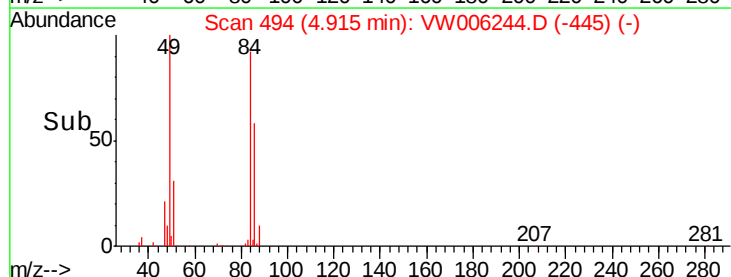
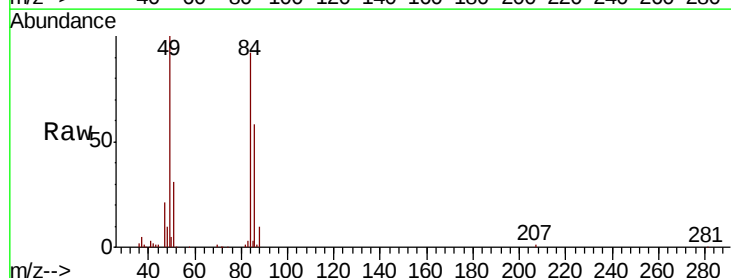
Manual Integrations
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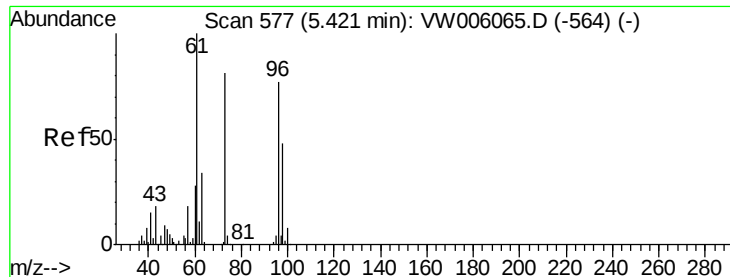
sam
10/24/2018 5:32:58 PM



#20
Methylene Chloride
Concen: 50.238 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.8	93.6	140.4
51	33.5	29.0	43.4
86	62.8	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 52.421 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

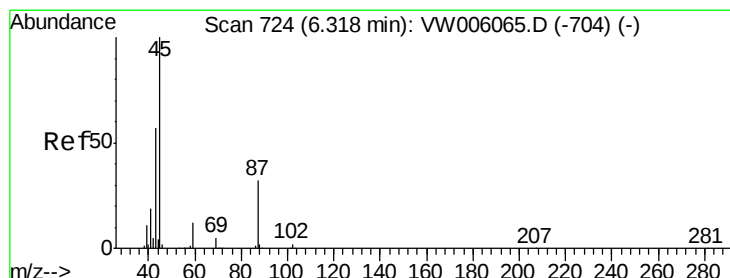
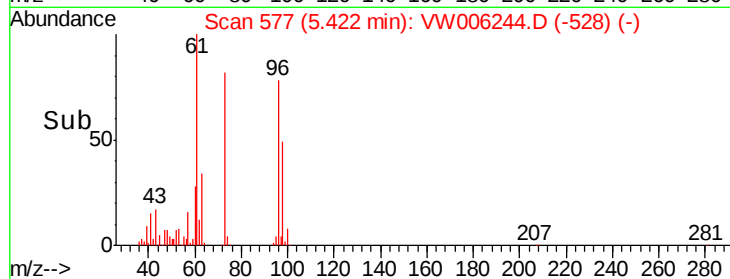
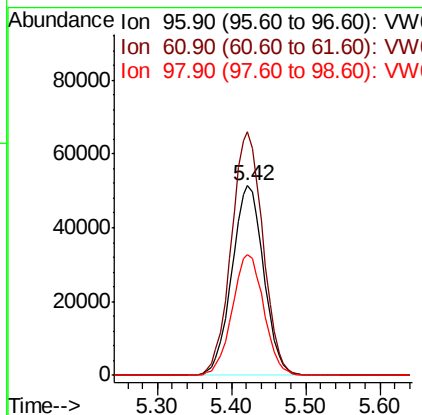
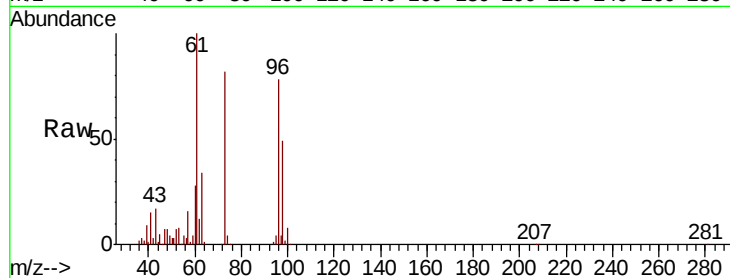
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	153984
Ion	Ratio	Lower	Upper
96	100		
61	128.4	104.5	156.7
98	63.4	50.6	75.8

Manual Integrations
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sam
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#22

Diisopropyl ether

Concen: 48.774 ug/l

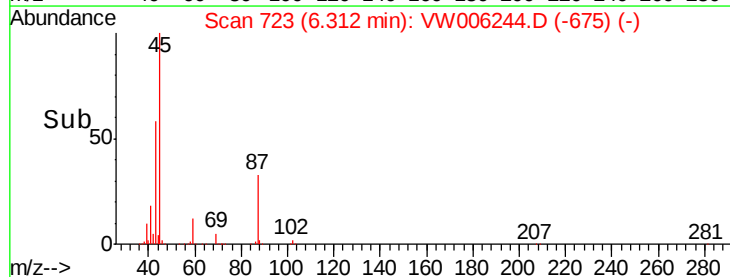
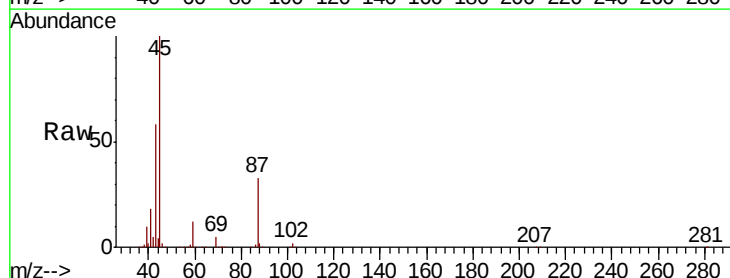
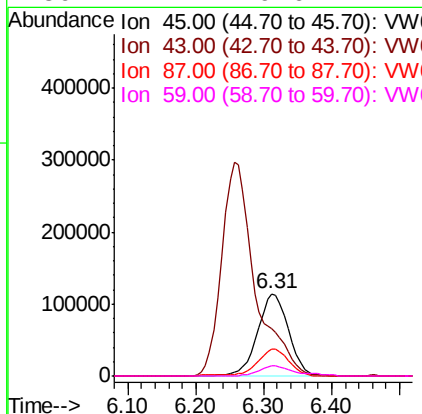
RT: 6.31 min Scan# 723

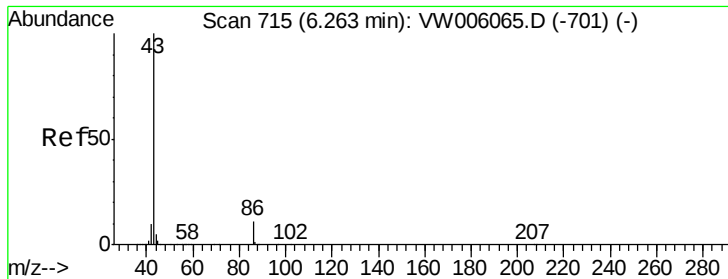
Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Tgt Ion:	45	Resp:	362683
Ion	Ratio	Lower	Upper
45	100		
43	57.7	45.7	68.5
87	32.9	25.9	38.9
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 231.740 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1016962

Ion Ratio Lower Upper

43 100

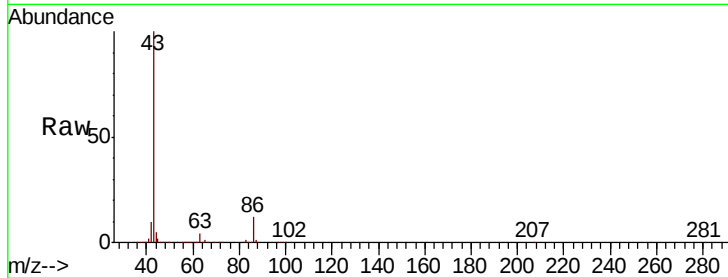
86 12.1 9.0 13.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

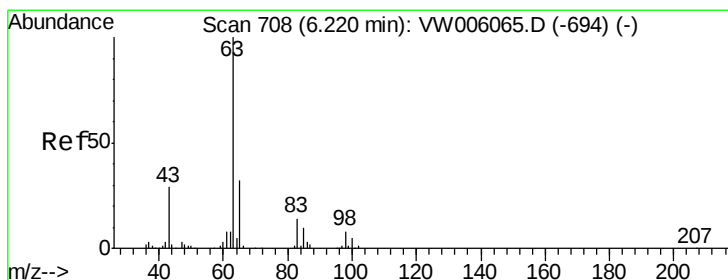
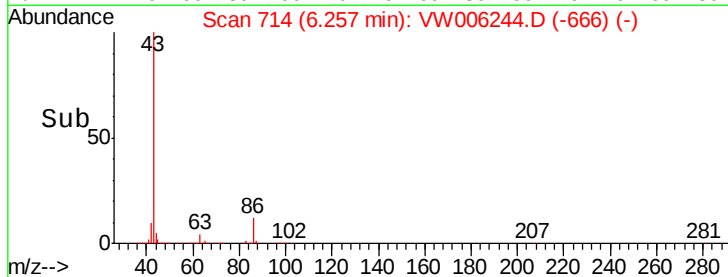
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.378 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

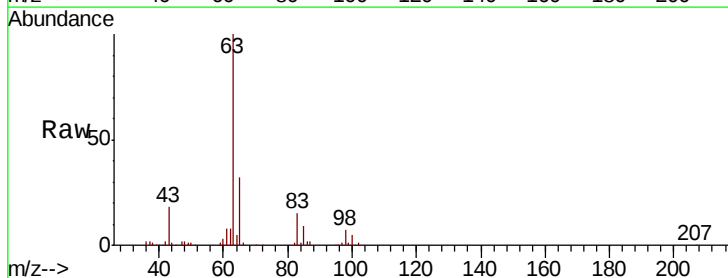
Tgt Ion: 63 Resp: 246519

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.8 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

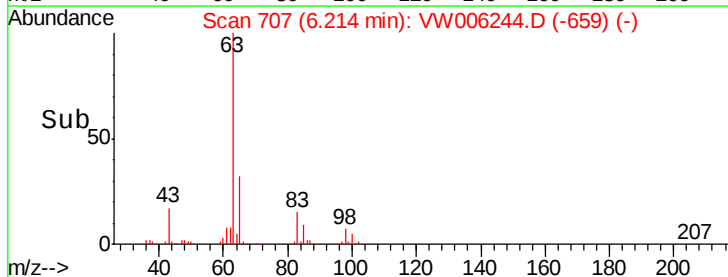
60000

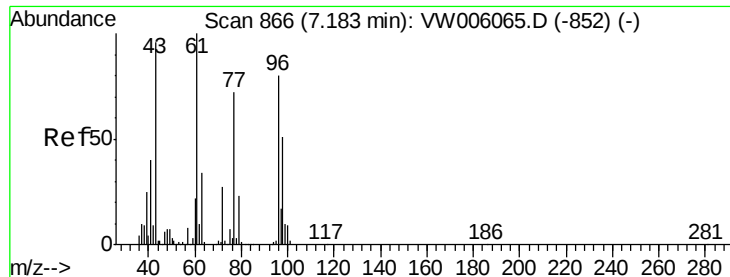
40000

20000

0

Time-->





#25

2-Butanone

Concen: 228.852 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 161439

Ion Ratio Lower Upper

43 100

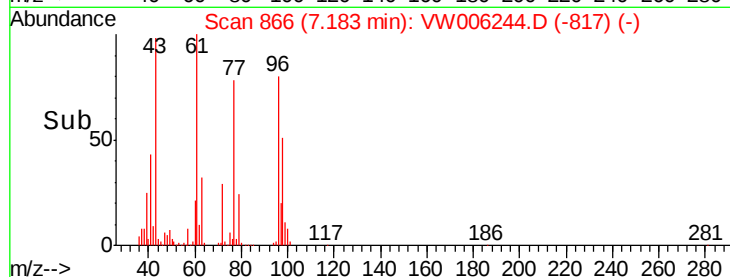
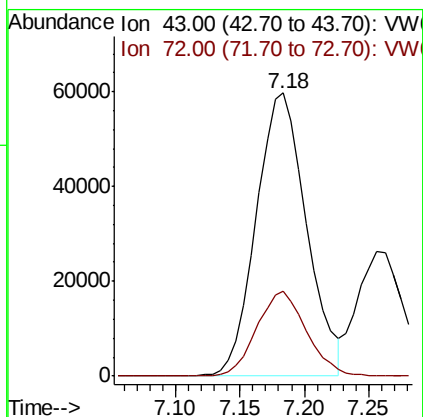
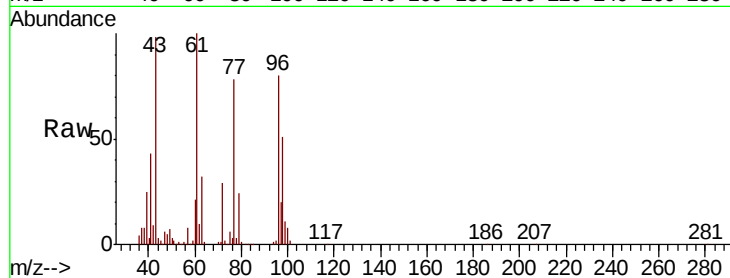
72 29.9 22.8 34.2

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 53.791 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006244.D

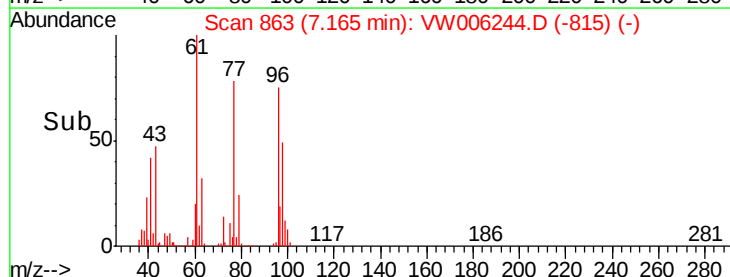
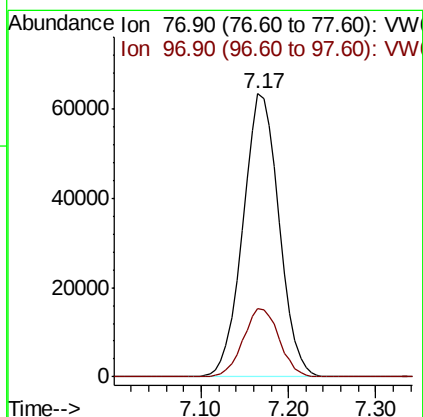
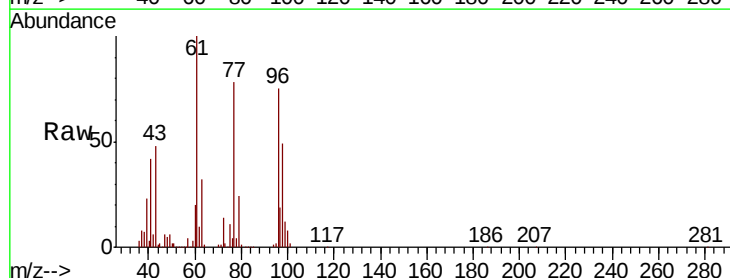
Acq: 22 Oct 2018 11:49

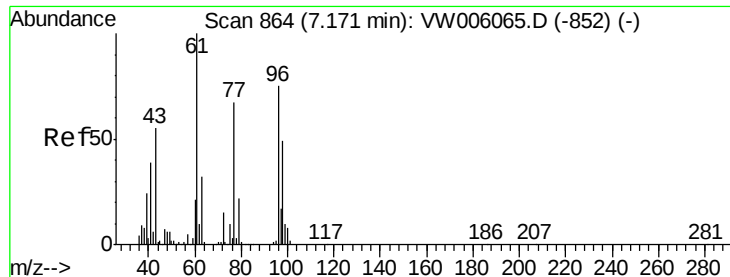
Tgt Ion: 77 Resp: 182036

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.4





#27

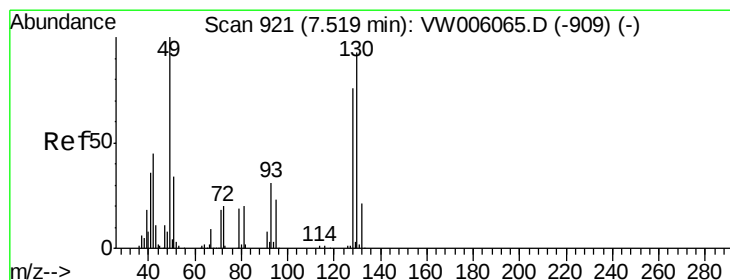
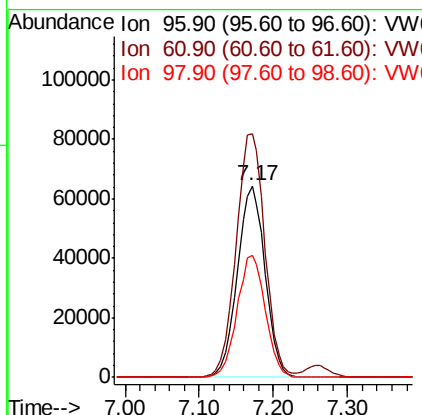
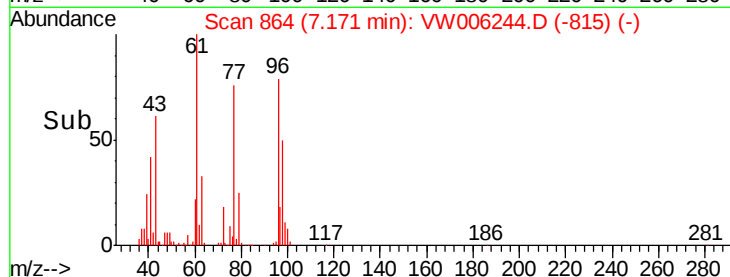
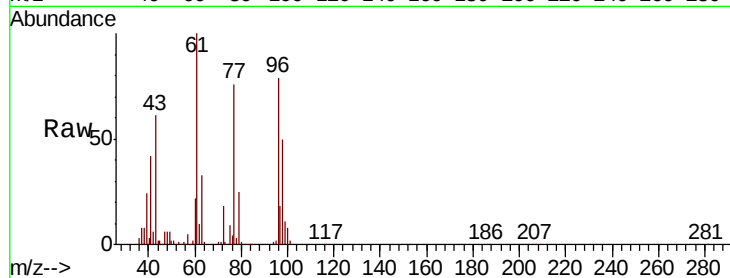
cis-1,2-Dichloroethene
Concen: 51.884 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	168185		
61	131.4	0.0	267.2	
98	64.8	0.0	128.6	

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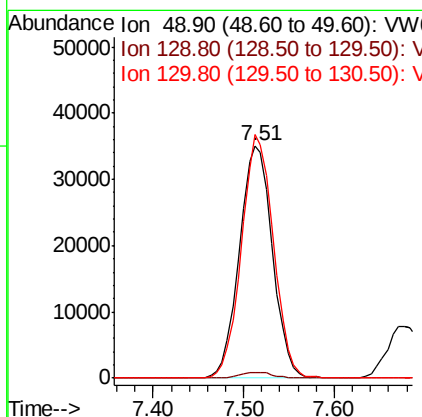
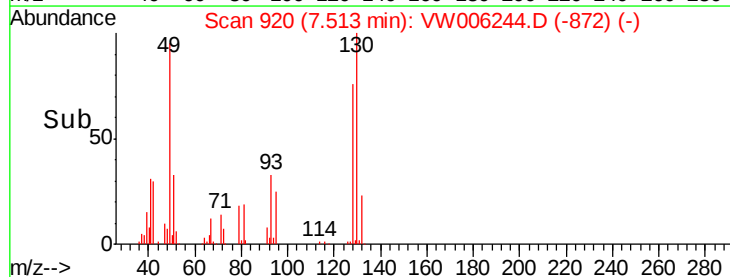
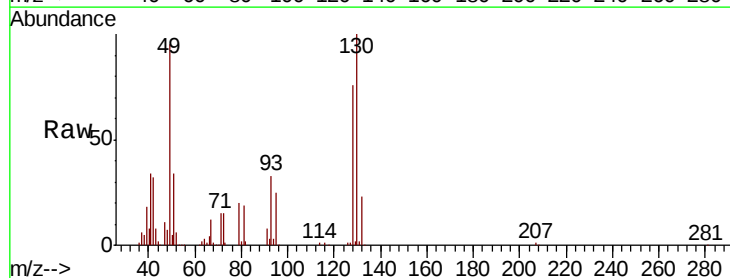
sam
10/24/2018 5:32:58 PM



#28

Bromochloromethane
Concen: 47.701 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88360		
129	2.6	0.0	5.0	
130	101.3	73.8	110.8	





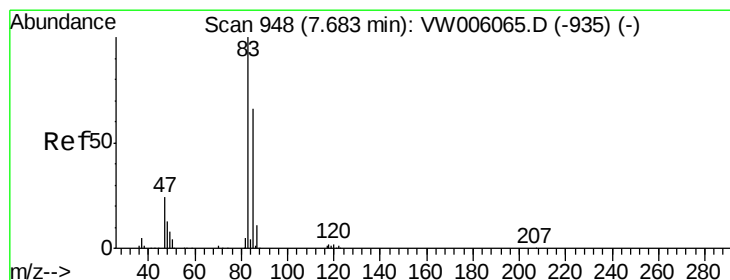
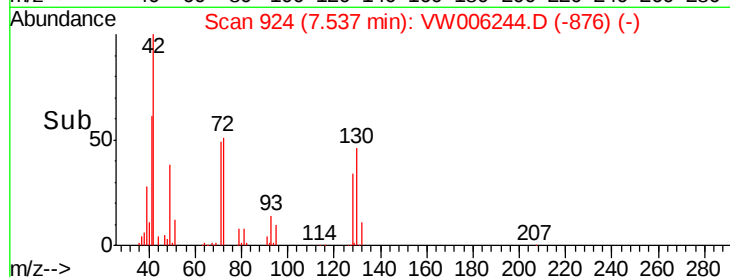
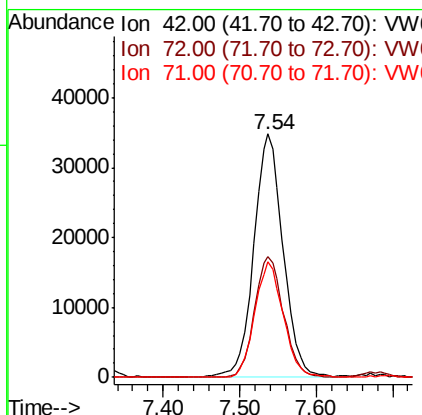
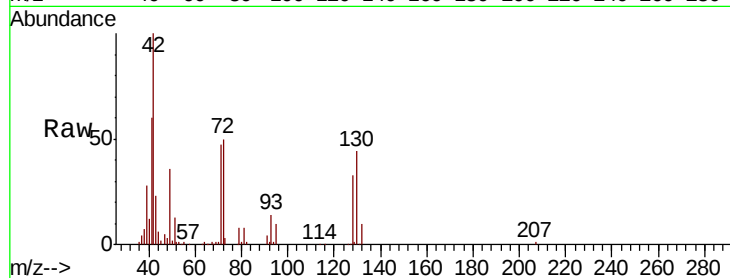
#29
Tetrahydrofuran
Concen: 214.565 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	38.0	57.0
71	46.2	35.3	52.9

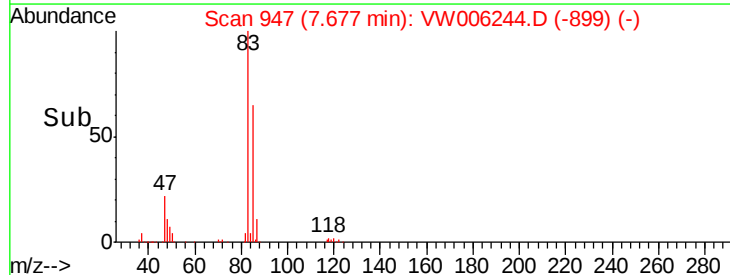
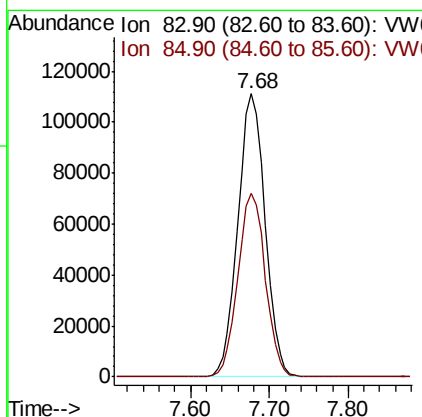
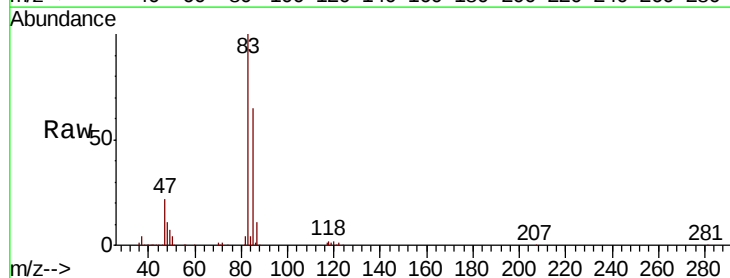
Manual Integrations
APPROVED

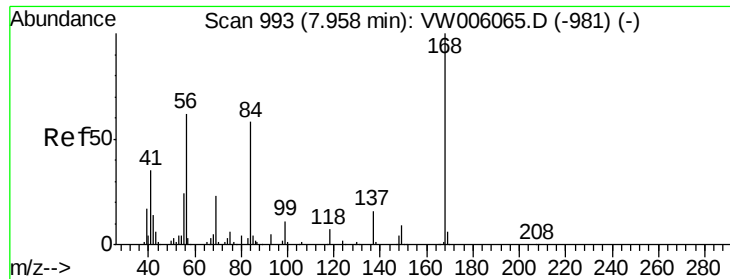
sam
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#30
Chloroform
Concen: 51.274 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.6	79.0





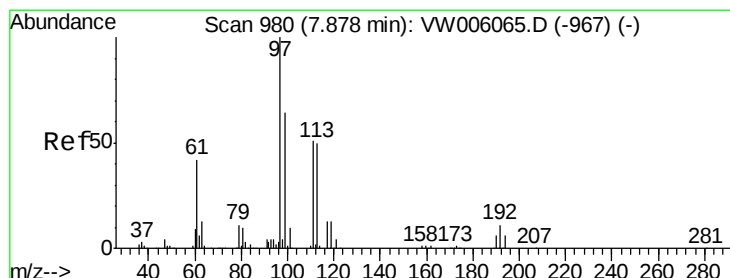
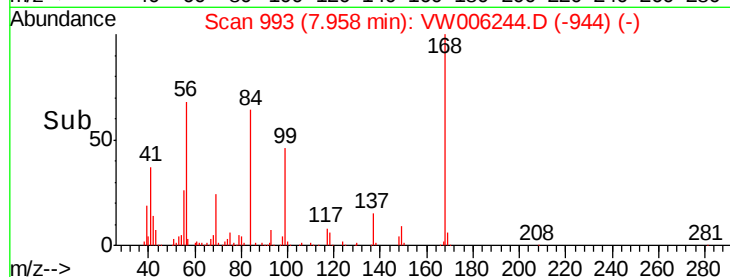
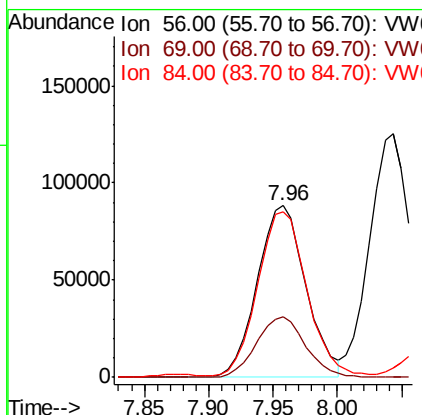
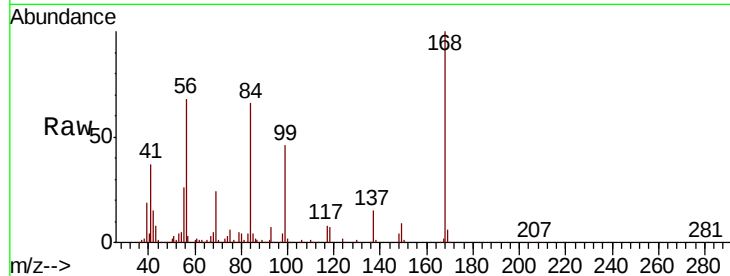
#31
Cyclohexane
Concen: 48.377 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	29.4	44.0
84	94.9	74.0	111.0

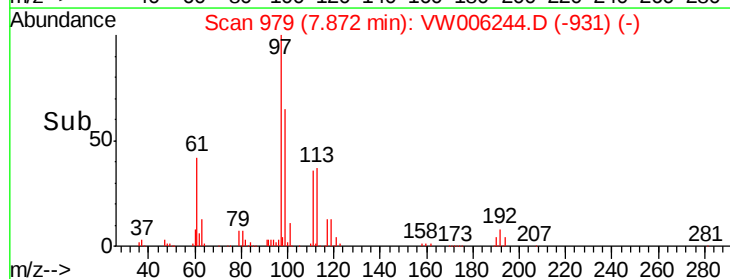
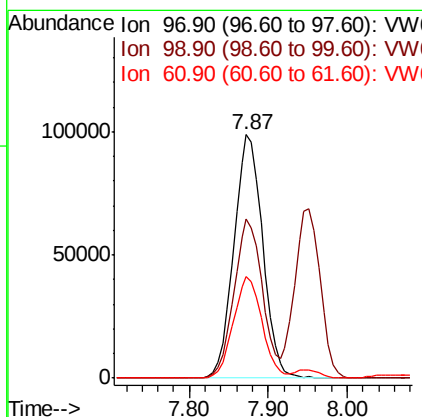
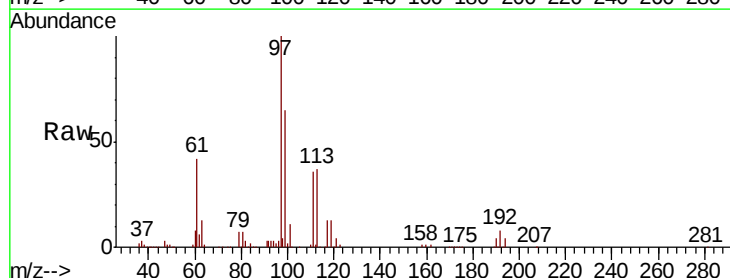
Manual Integrations
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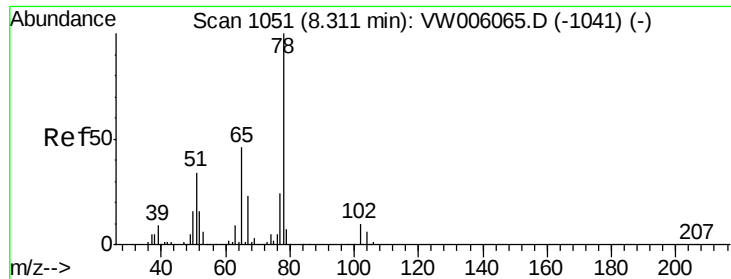
sam
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#32
1,1,1-Trichloroethane
Concen: 53.179 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.9	76.3
61	41.6	33.7	50.5





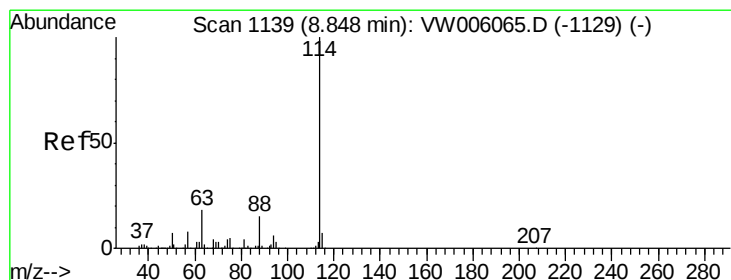
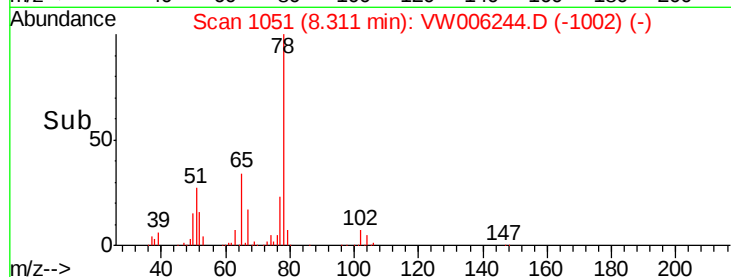
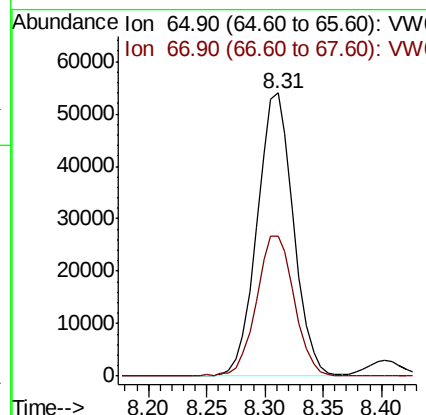
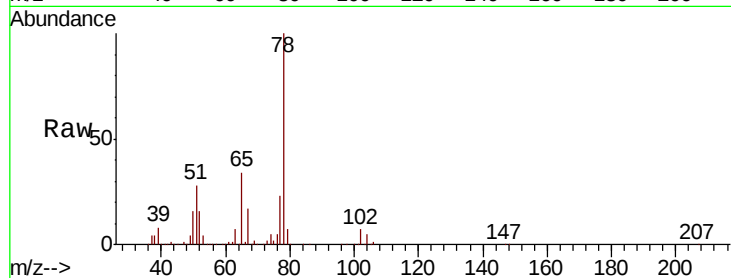
#33
 1,2-Dichloroethane-d4
 Concen: 44.890 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117219		
67	51.5	0.0	101.0	

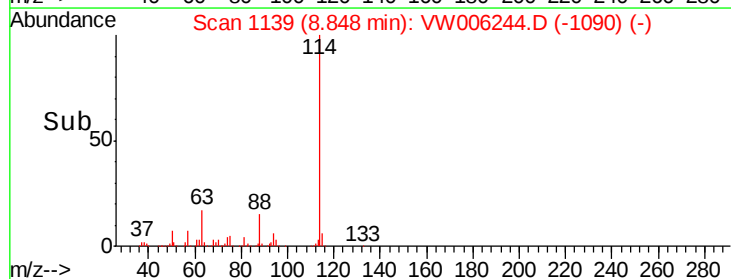
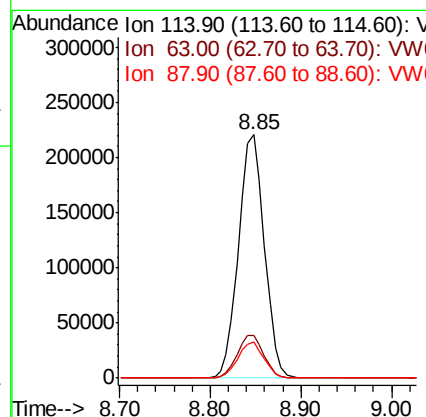
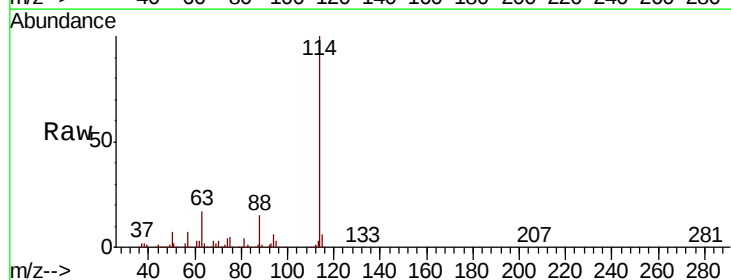
Manual Integrations
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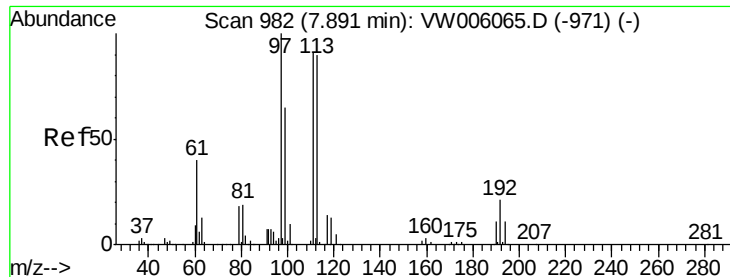
sam
 10/24/2018 5:32:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	436221		
63	17.4	0.0	36.8	
88	14.9	0.0	29.0	





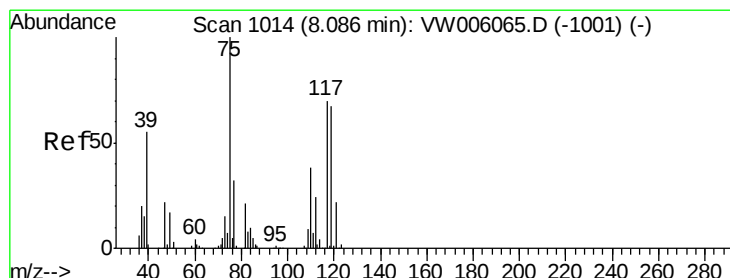
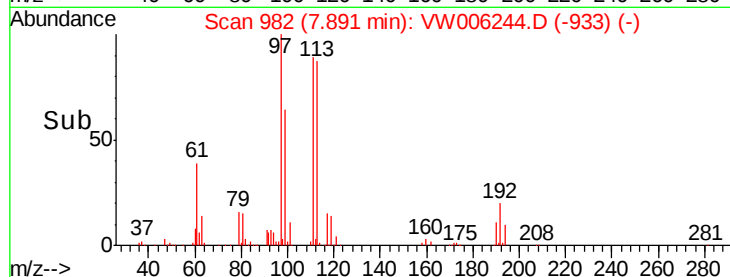
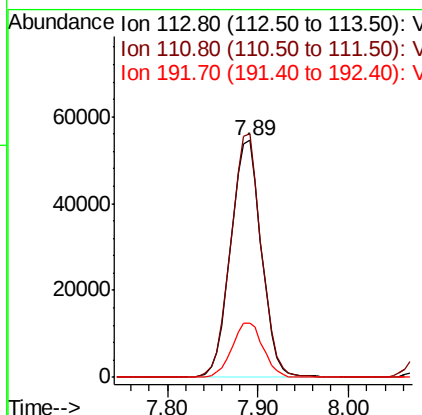
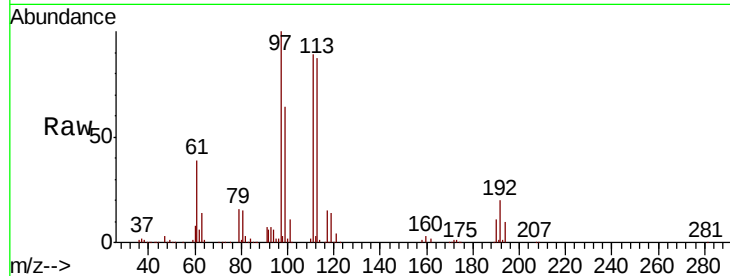
#35
 Dibromofluoromethane
 Concen: 49.769 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	128286		
111	101.6	81.4	122.0	
192	23.3	18.7	28.1	

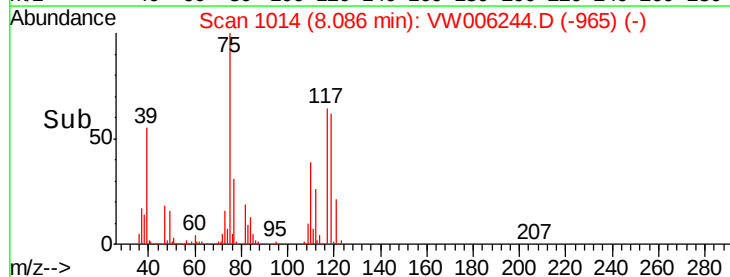
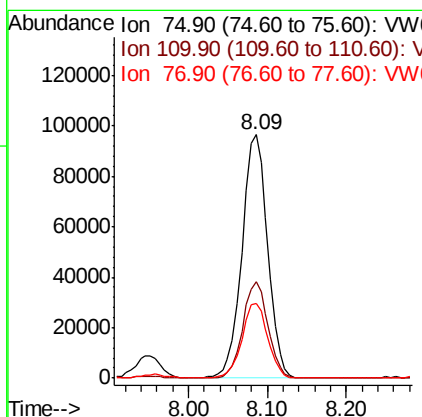
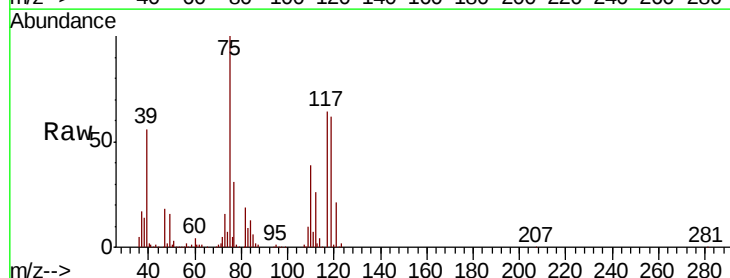
Manual Integrations
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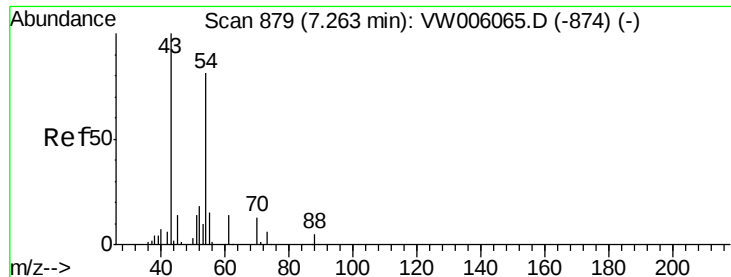
sam
 10/24/2018 5:32:58 PM



#36
 1,1-Dichloropropene
 Concen: 54.216 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	217989		
110	38.7	19.1	57.1	
77	31.0	25.0	37.4	





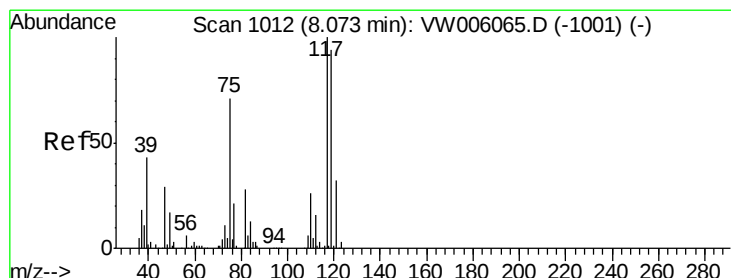
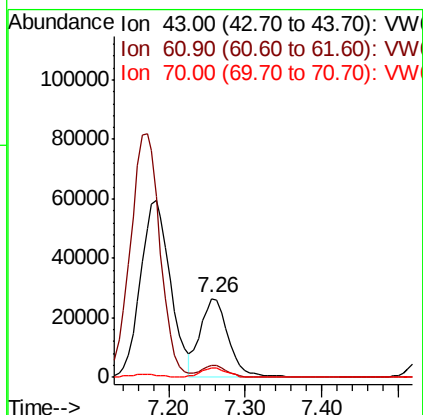
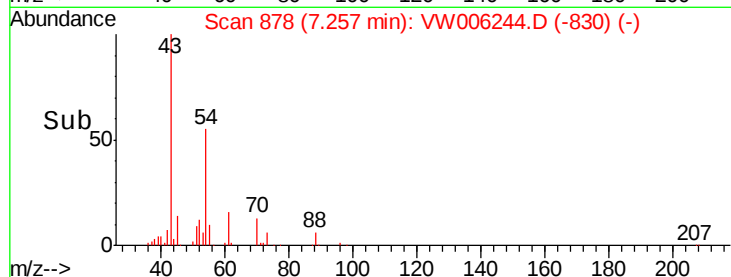
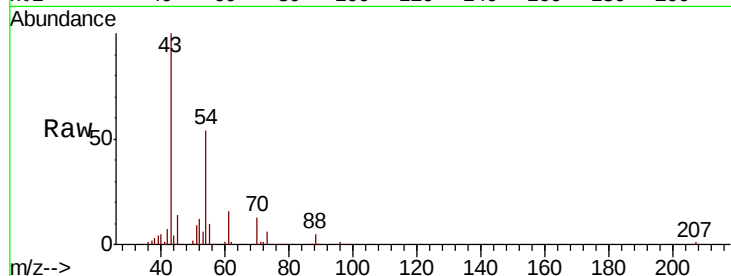
#37
Ethyl Acetate
Concen: 44.783 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.8	9.2	13.8

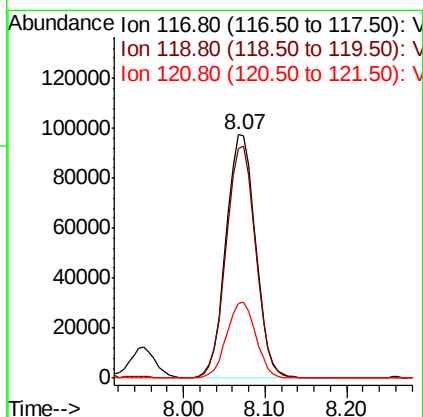
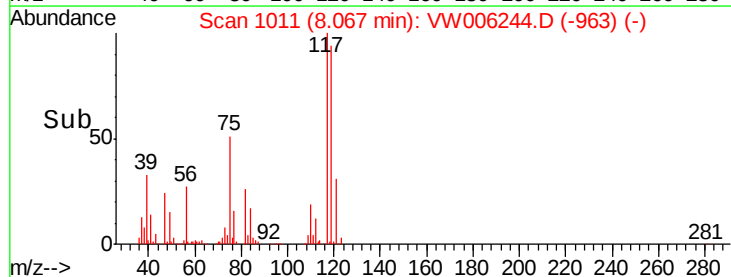
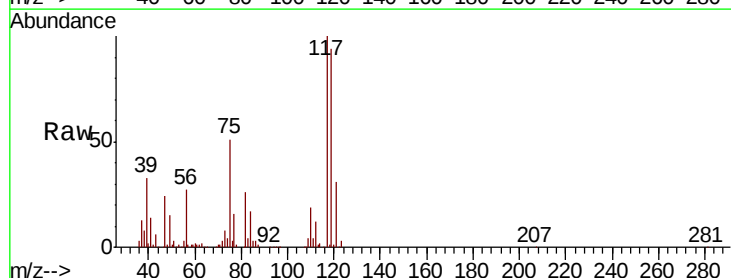
Manual Integrations
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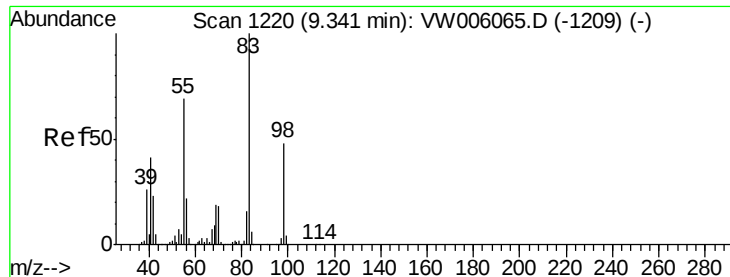
sam
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#38
Carbon Tetrachloride
Concen: 55.393 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.2	112.8
121	30.6	25.3	37.9





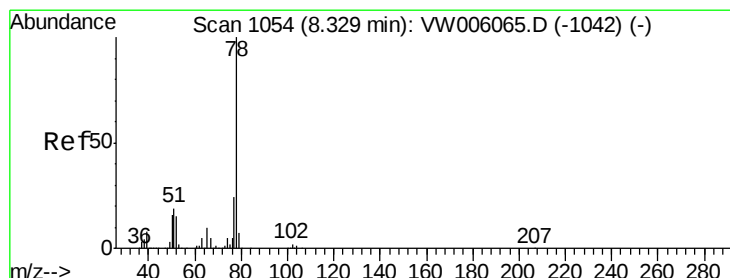
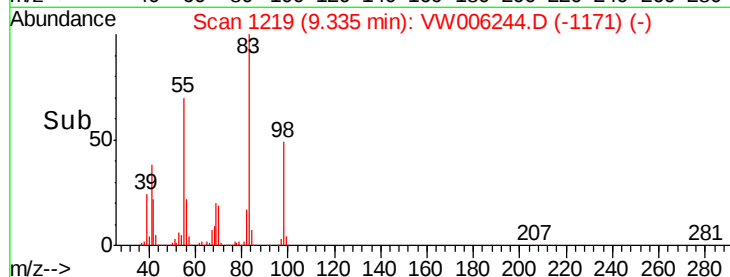
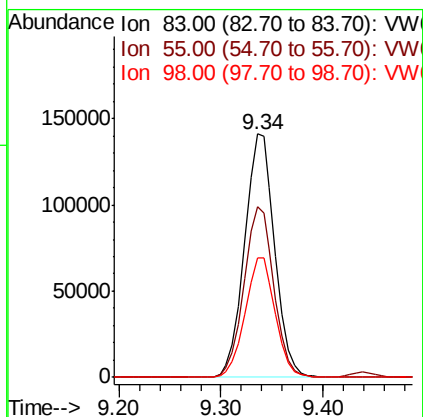
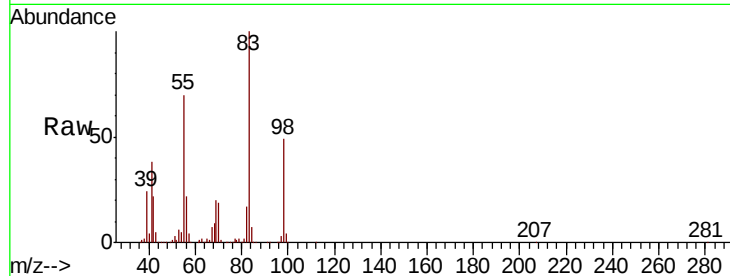
#39
Methvlcvclohexane
Concen: 54.151 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	55.0	82.6
98	48.8	38.6	57.8

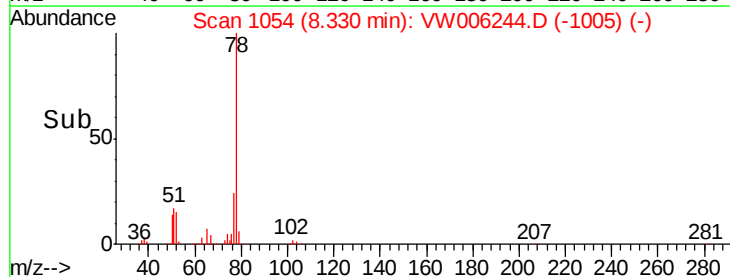
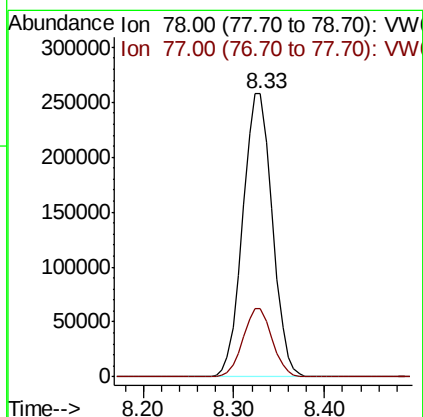
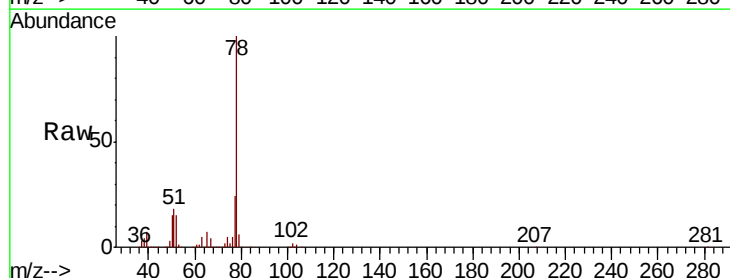
Manual Integrations
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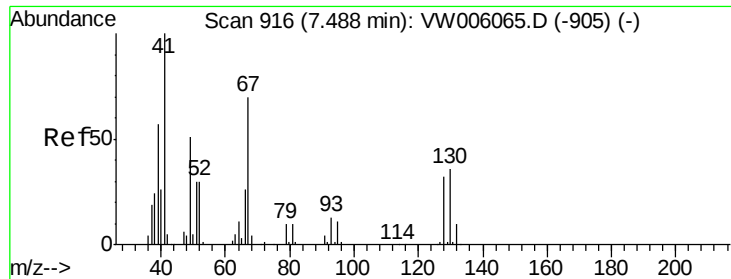
sam
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#40
Benzene
Concen: 52.690 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





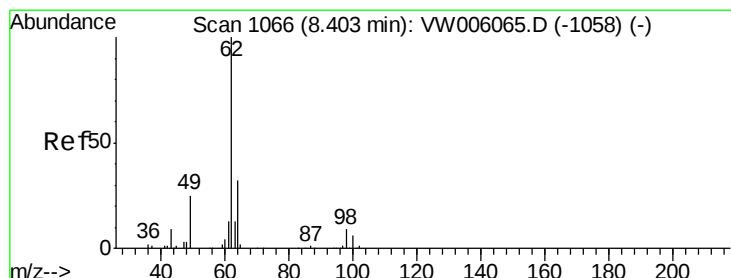
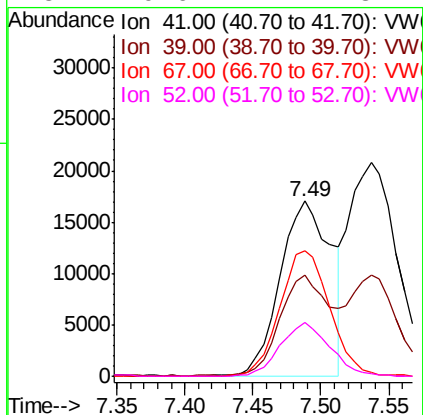
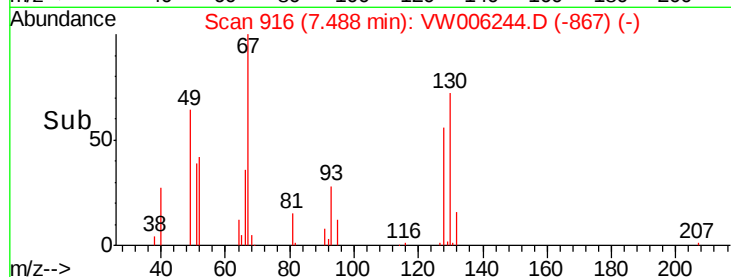
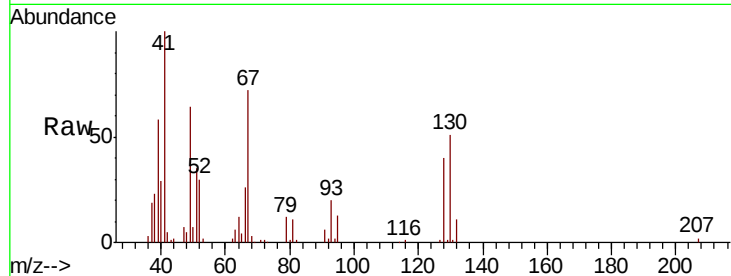
#41
Methacrylonitrile
Concen: 49.400 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		44487		
39	55.6	46.2	69.4		
67	69.8	57.7	86.5		
52	29.6	24.7	37.1		

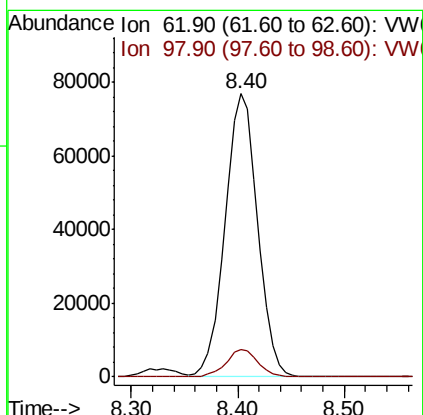
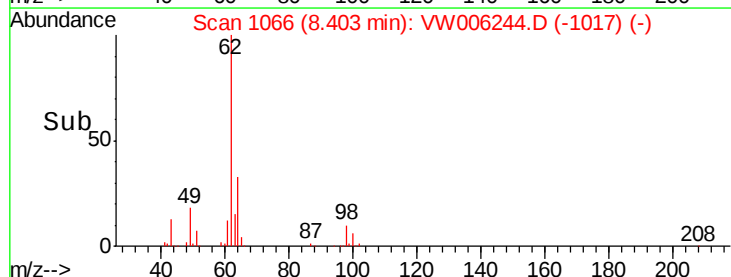
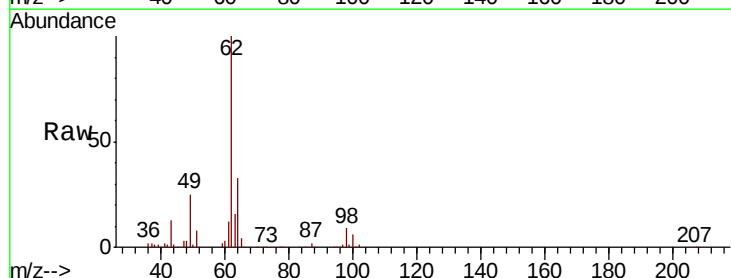
Manual Integrations
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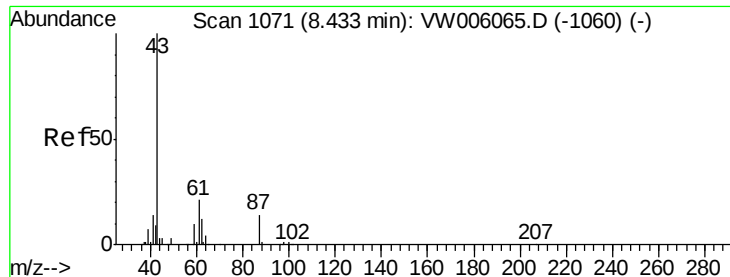
sam
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#42
1,2-Dichloroethane
Concen: 50.792 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		164584		
98	9.3	0.0	18.4		





#43

Isopropyl Acetate

Concen: 44.821 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

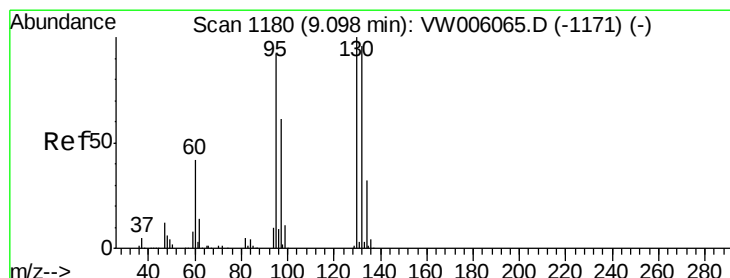
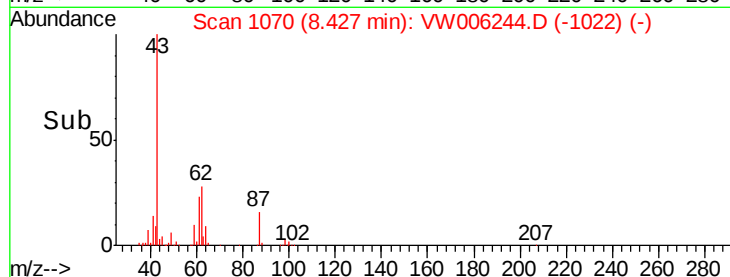
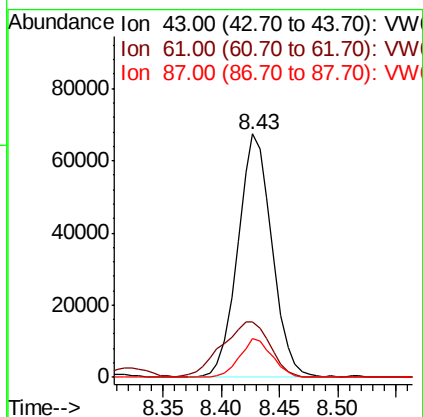
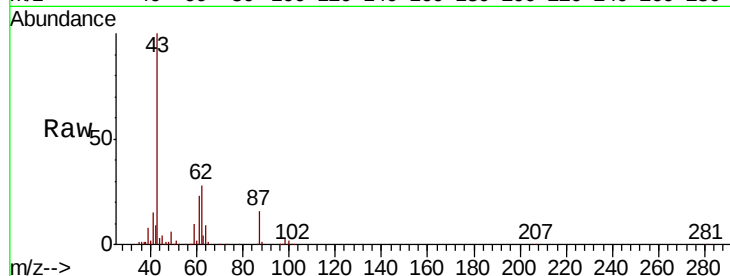
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	136901
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.5	38.3
87	15.5	11.7	17.5

Manual Integrations
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sam
10/24/2018 5:32:58 PM



#44

Trichloroethene

Concen: 54.566 ug/l

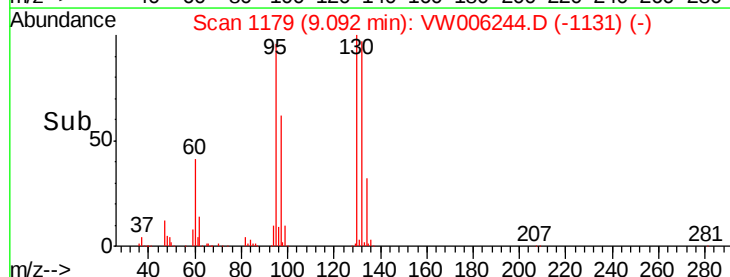
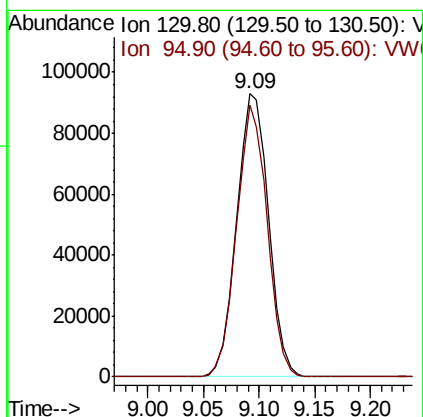
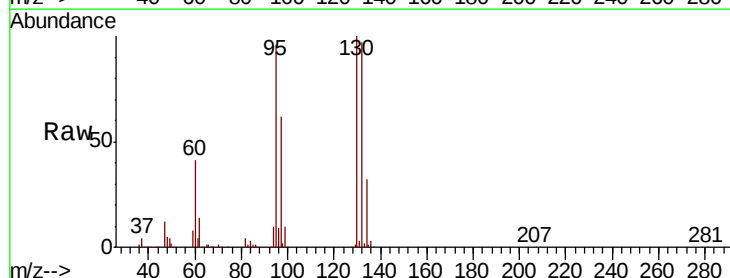
RT: 9.09 min Scan# 1179

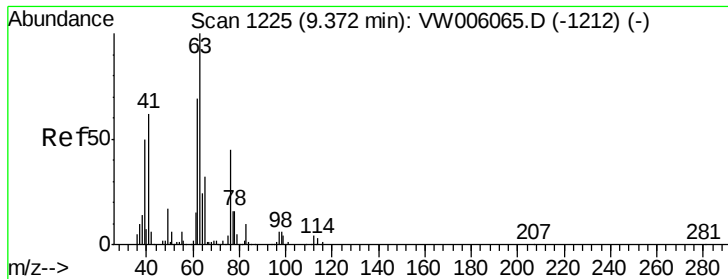
Delta R.T. -0.01 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Tgt Ion:	130	Resp:	184636
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	183.2





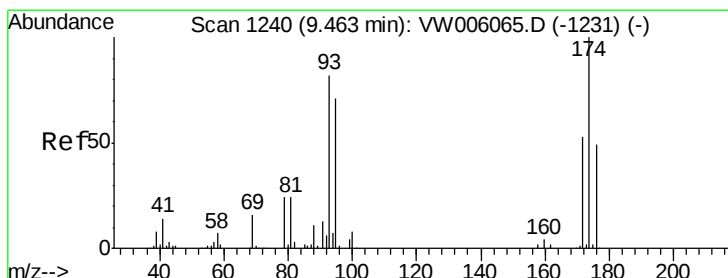
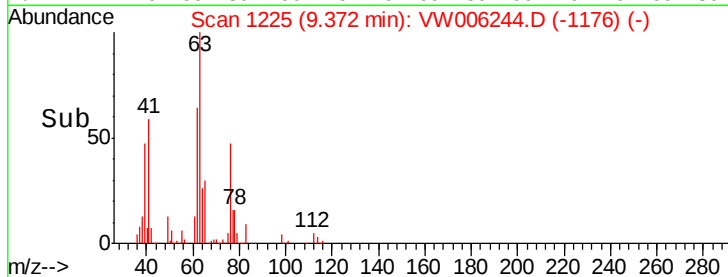
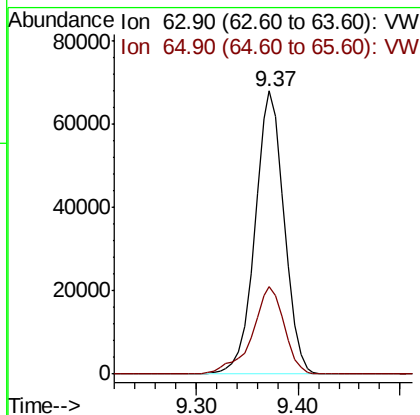
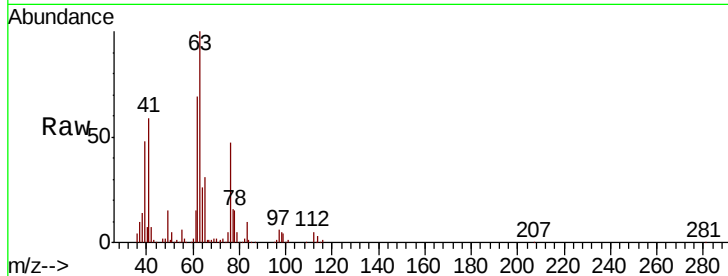
#45
 1,2-Dichloropropane
 Concen: 51.054 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	134742
Ion Ratio	Lower	Upper	
63	100		
65	30.9	25.4	38.0

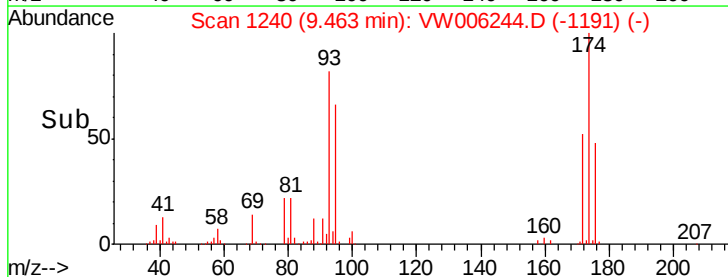
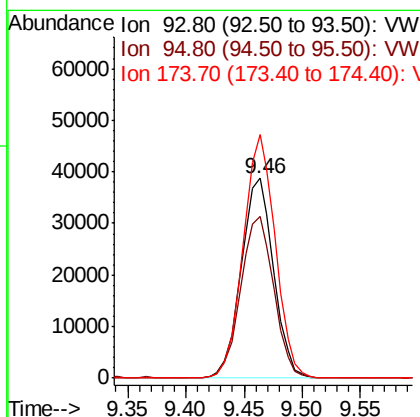
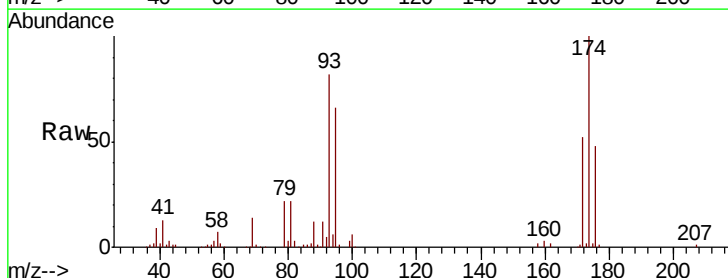
Manual Integrations
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sam
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#46
 Dibromomethane
 Concen: 49.837 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Tgt Ion	93	Resp	74965
Ion Ratio	Lower	Upper	
93	100		
95	83.0	67.7	101.5
174	120.9	93.7	140.5





#47

Bromodichloromethane

Concen: 51.804 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

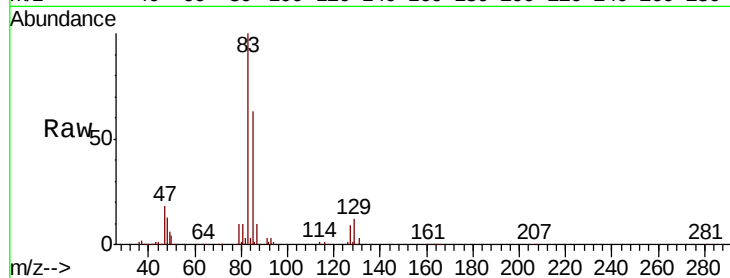
ClientSampleId :

VSTDCCC050

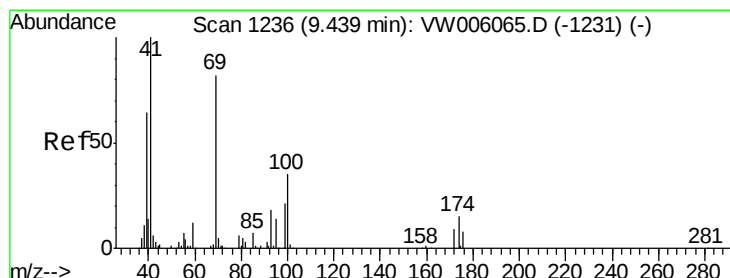
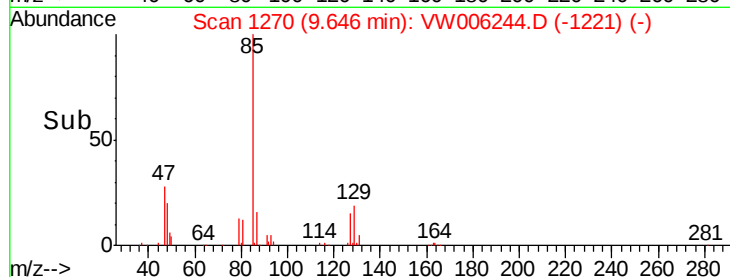
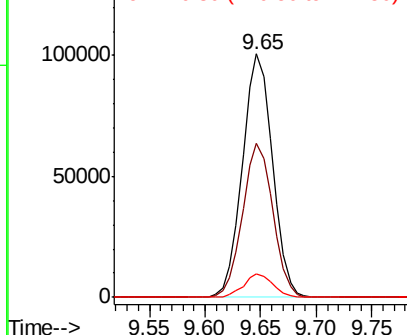
Tot Ion:	83	Resp:	188924
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.8	77.8
127	9.4	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 45.891 ug/l

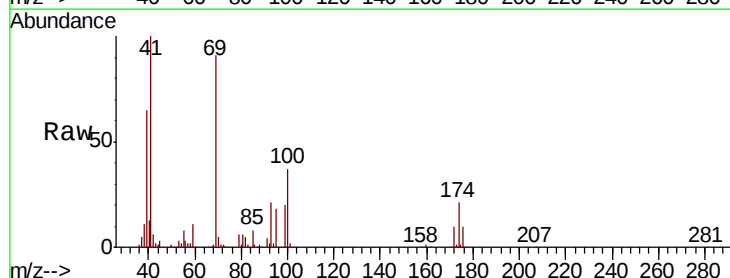
RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

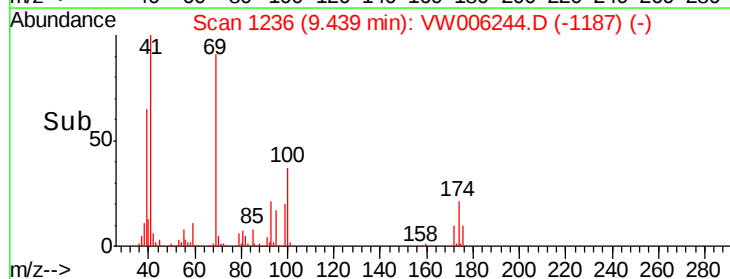
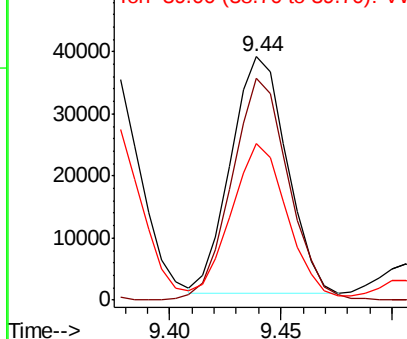
Lab File: VW006244.D

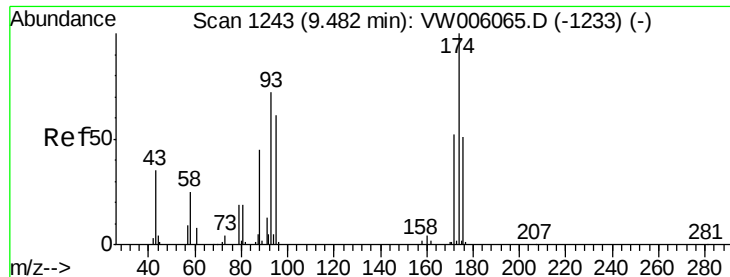
Acq: 22 Oct 2018 11:49

Tgt Ion:	41	Resp:	66442
Ion Ratio	Lower	Upper	
41	100		
69	95.1	71.8	107.8
39	62.9	52.5	78.7



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





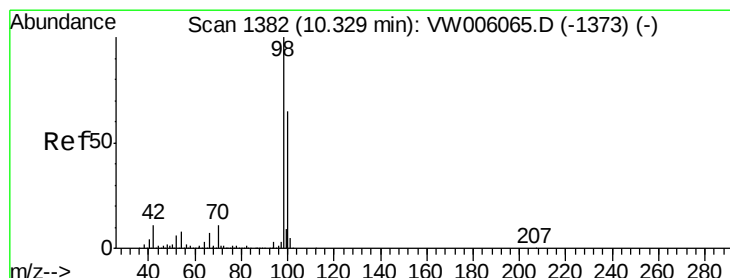
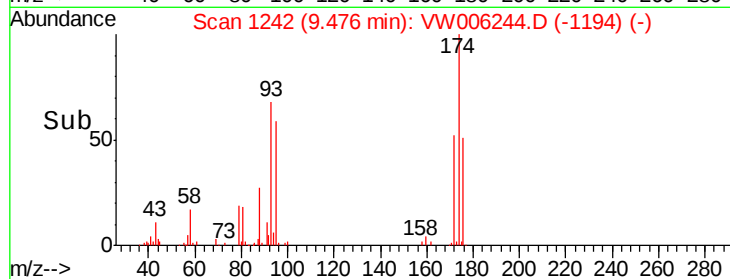
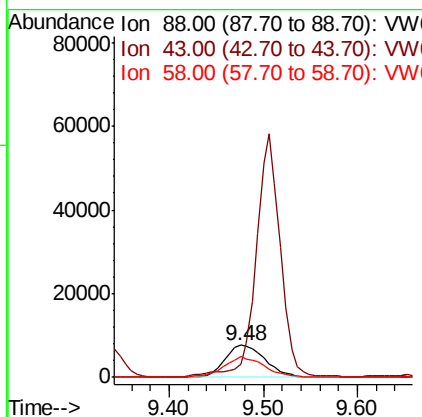
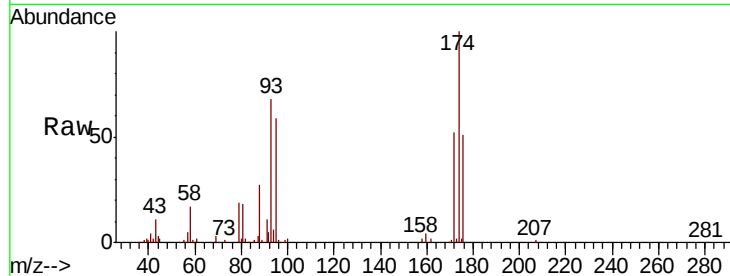
#49
1,4-Dioxane
Concen: 974.695 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	65.2	51.2	76.8

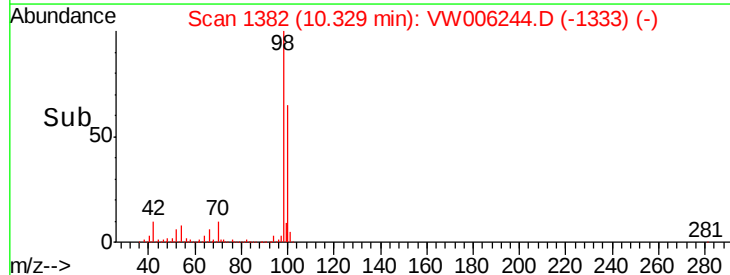
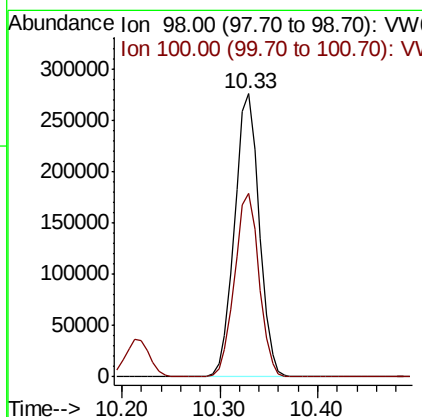
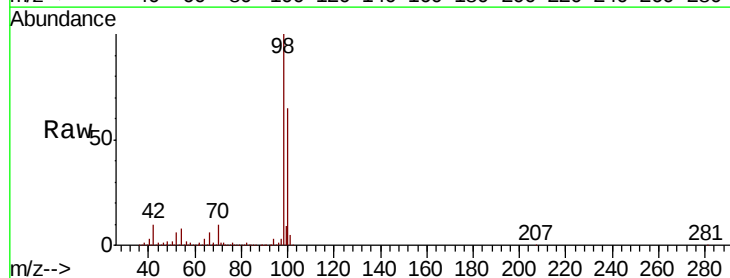
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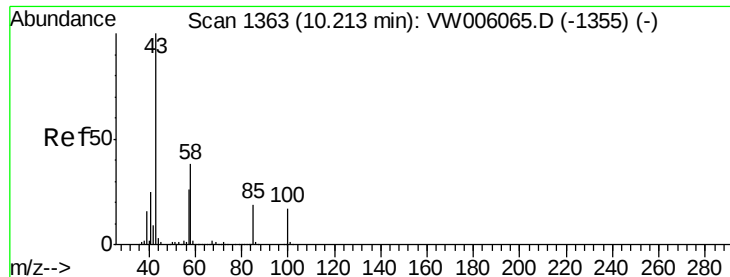
sam
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#50
Toluene-d8
Concen: 49.255 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 221.468 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 338928

Ion Ratio Lower Upper

43 100

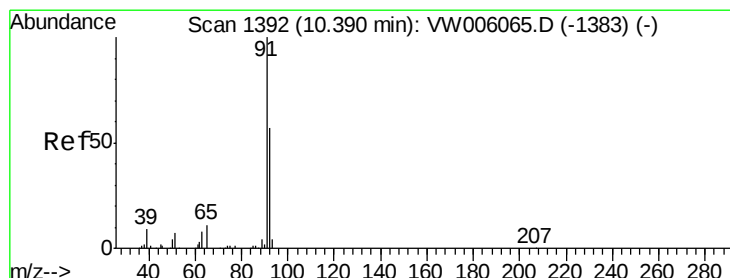
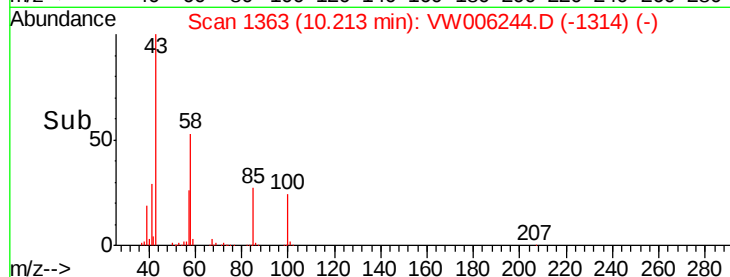
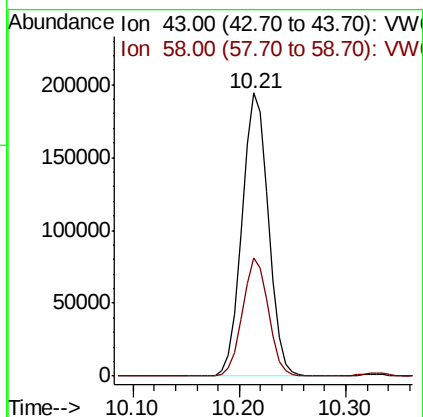
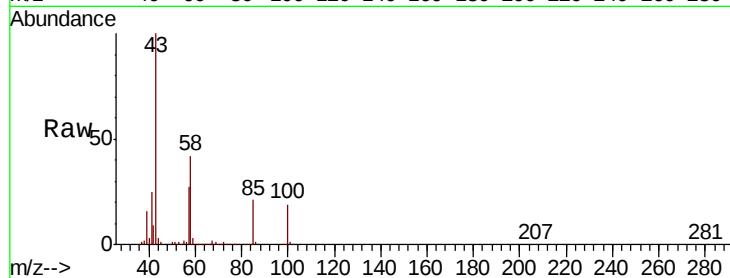
58 40.8 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 52.870 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006244.D

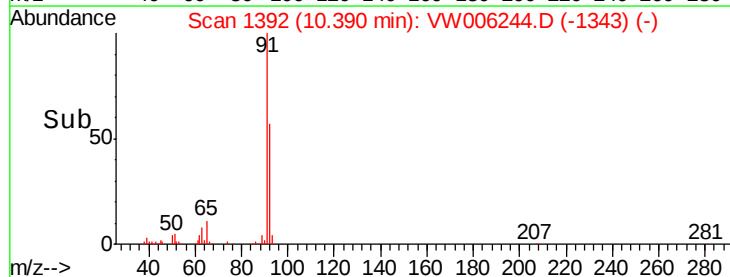
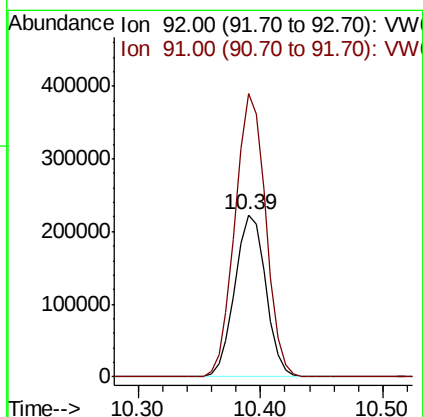
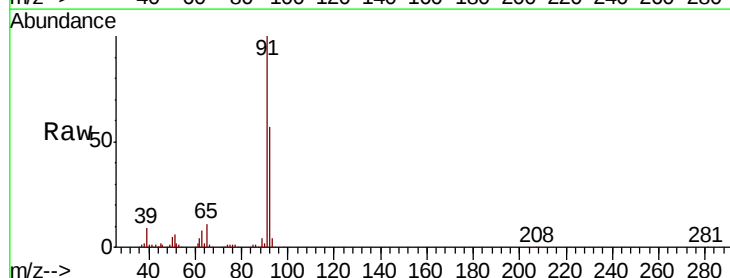
Acq: 22 Oct 2018 11:49

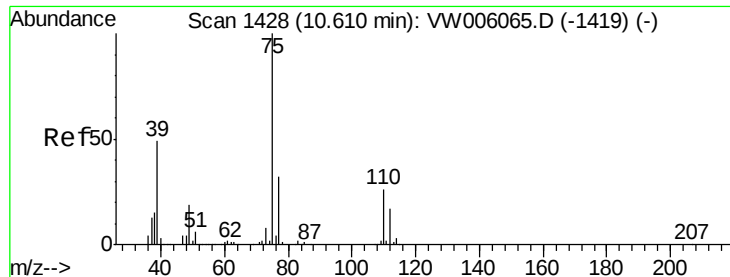
Tgt Ion: 92 Resp: 390934

Ion Ratio Lower Upper

92 100

91 173.3 140.0 210.0





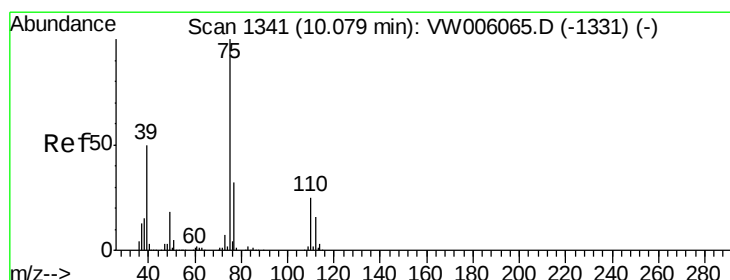
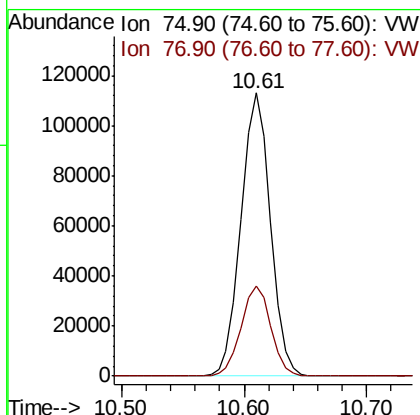
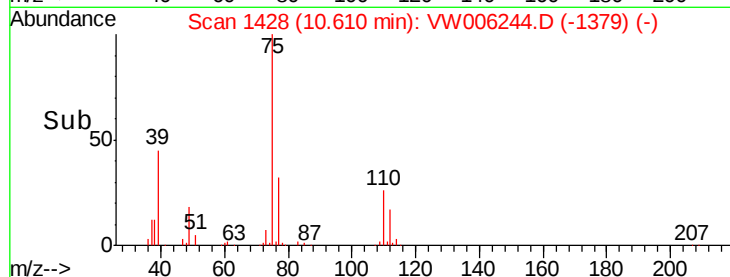
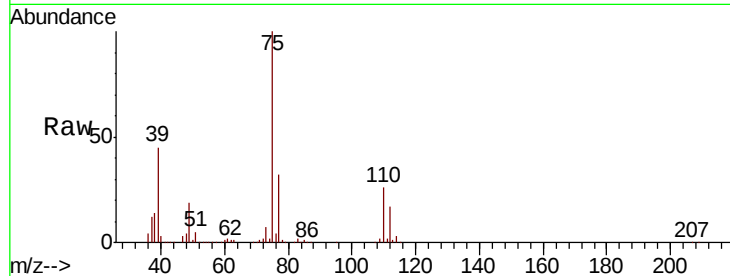
#53
t-1,3-Dichloropropene
Concen: 51.877 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

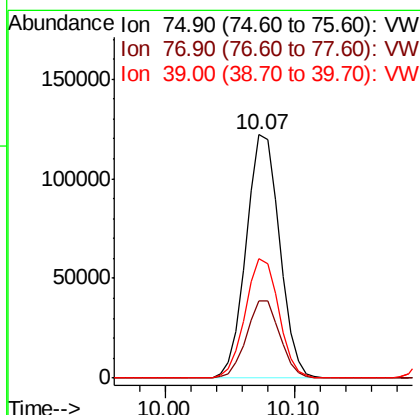
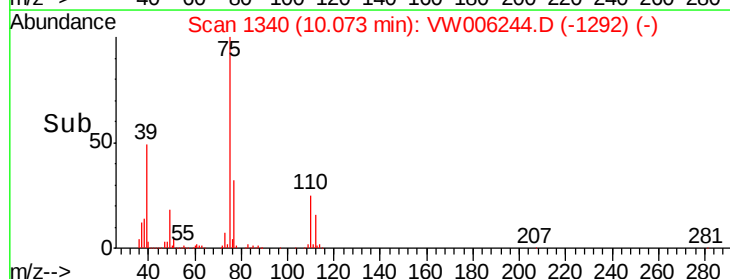
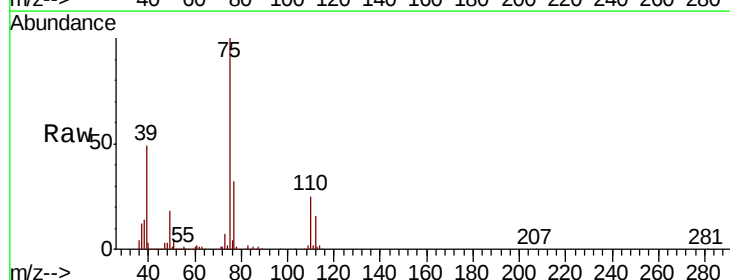
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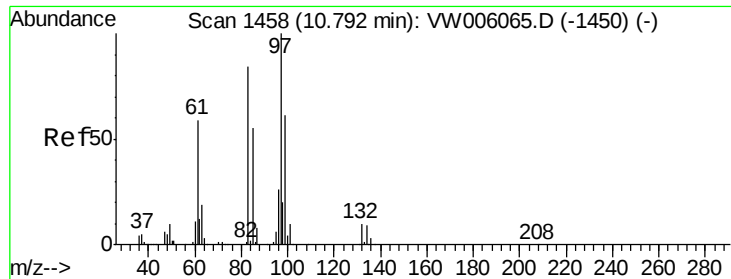
sam
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#54
cis-1,3-Dichloropropene
Concen: 52.453 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	49.2	39.9	59.9





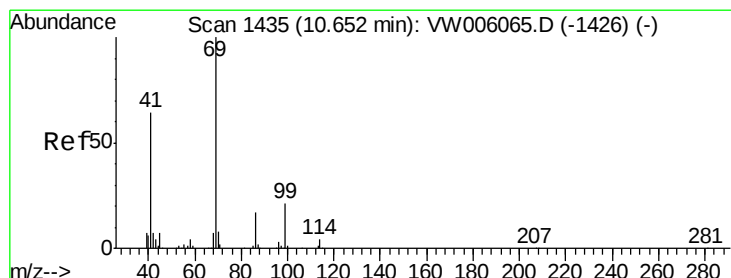
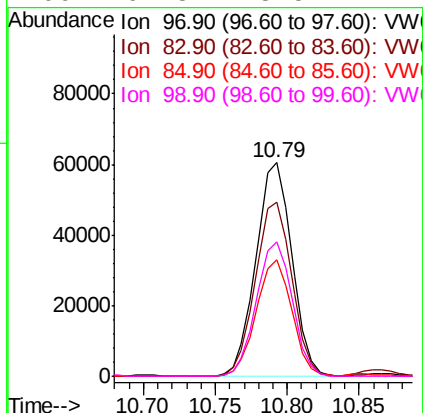
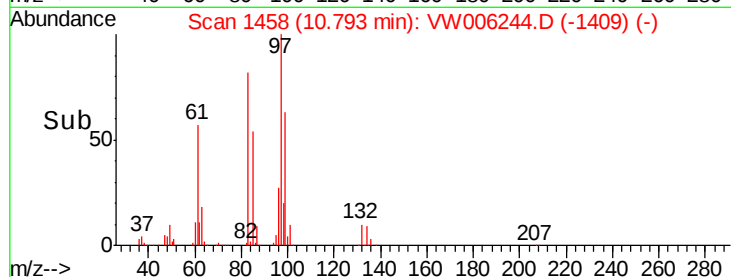
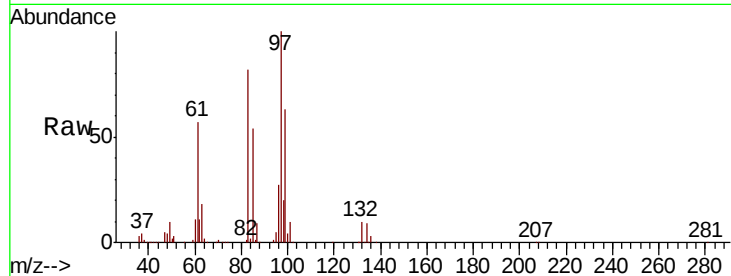
#55
 1,1,2-Trichloroethane
 Concen: 49.816 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	104862
Ion	Ratio	Lower	Upper
97	100		
83	81.6	67.2	100.8
85	54.4	43.7	65.5
99	62.8	48.5	72.7

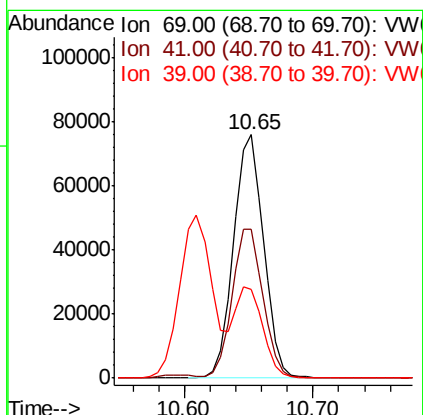
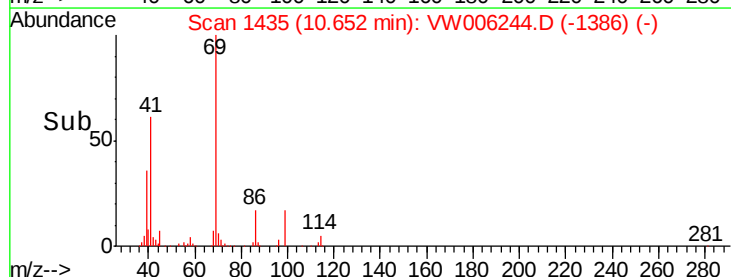
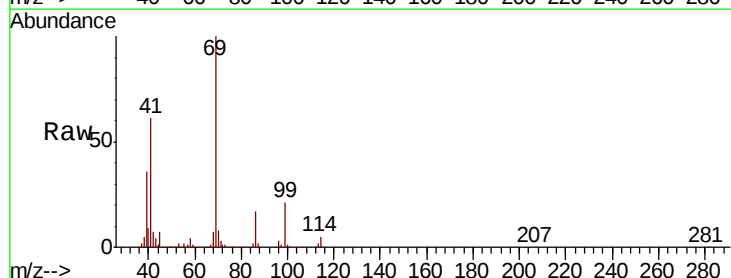
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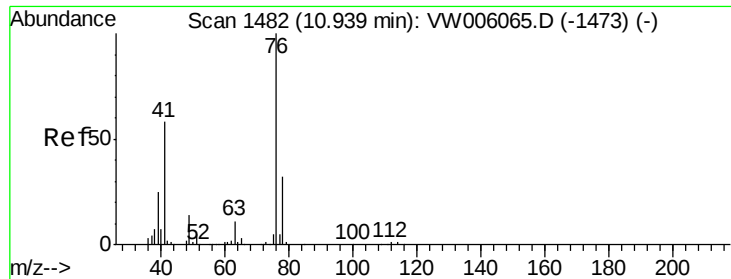
sam
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#56
 Ethyl methacrylate
 Concen: 47.913 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Tgt Ion:	69	Resp:	123643
Ion	Ratio	Lower	Upper
69	100		
41	62.7	52.8	79.2
39	33.9	30.6	45.8





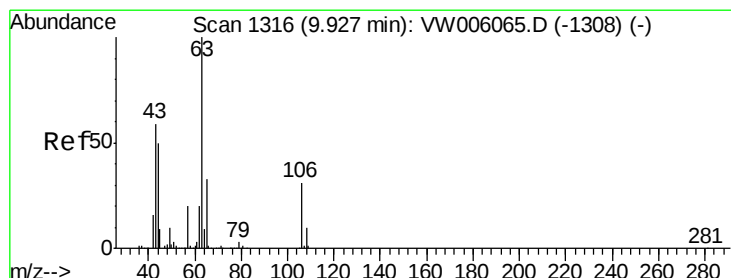
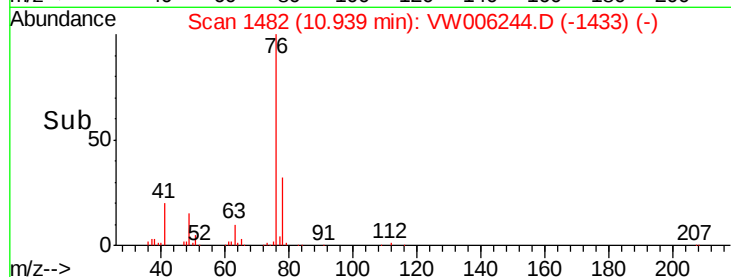
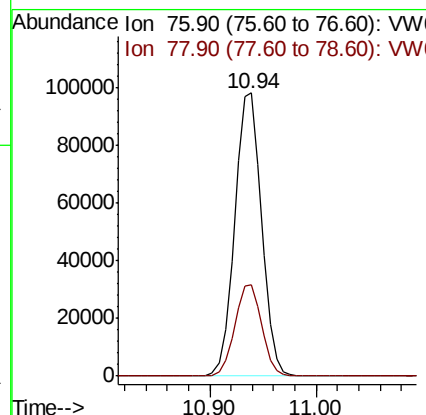
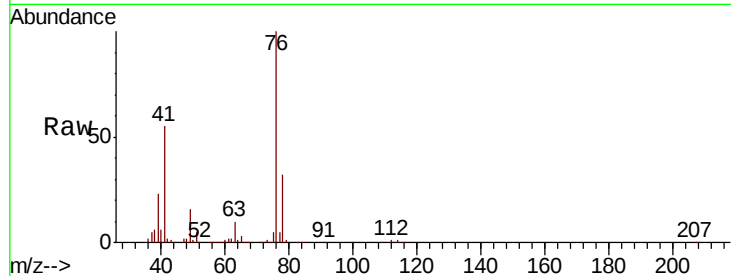
#57
 1,3-Dichloropropane
 Concen: 49.748 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 173353
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9

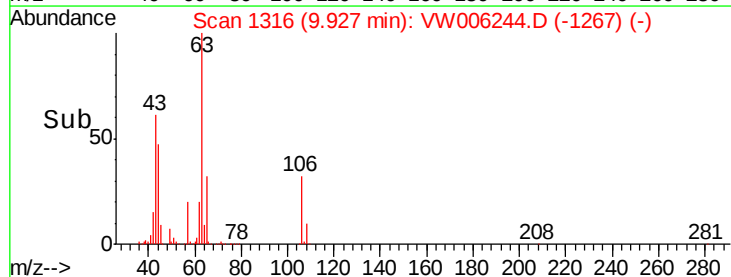
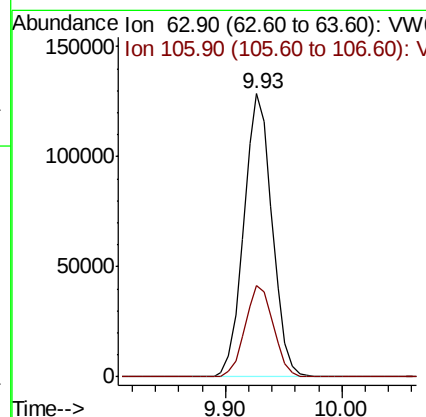
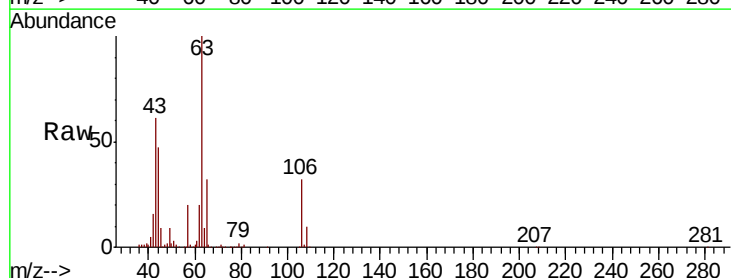
Manual Integrations
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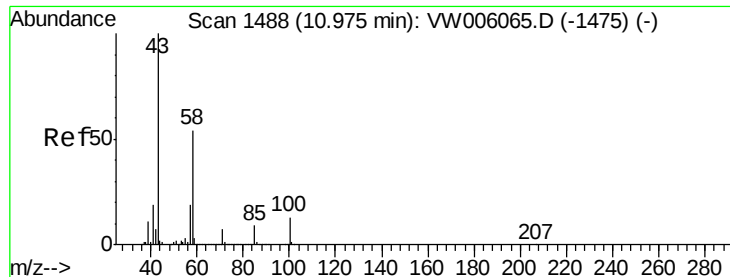
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 220.191 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Tgt Ion: 63 Resp: 217121
 Ion Ratio Lower Upper
 63 100
 106 32.4 24.5 36.7





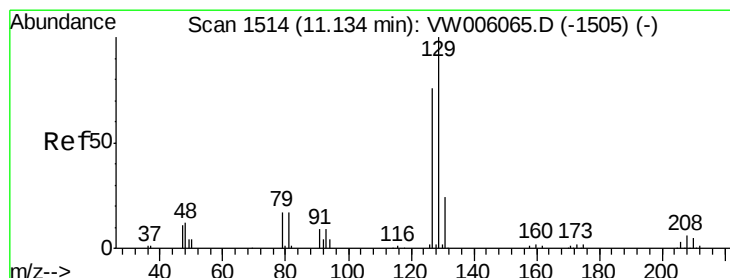
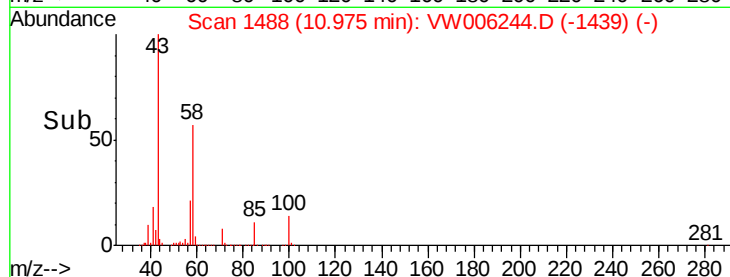
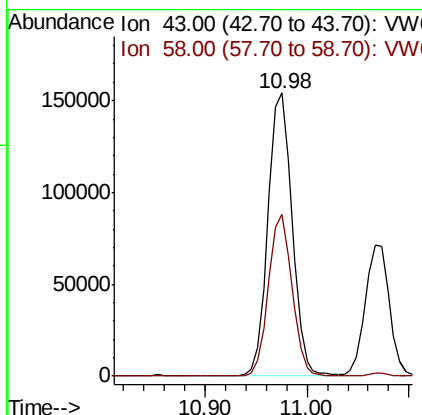
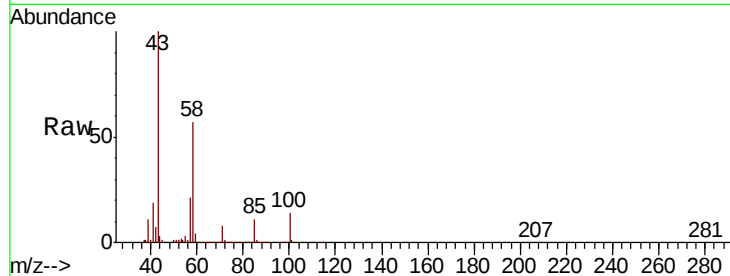
#59
2-Hexanone
Concen: 231.797 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 253223
Ion Ratio Lower Upper
43 100
58 55.8 26.9 80.6

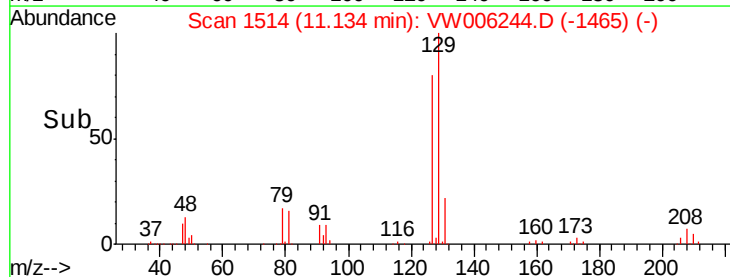
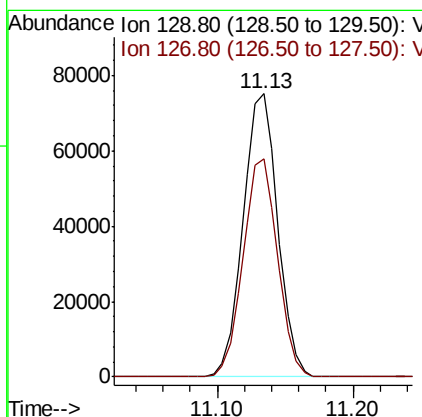
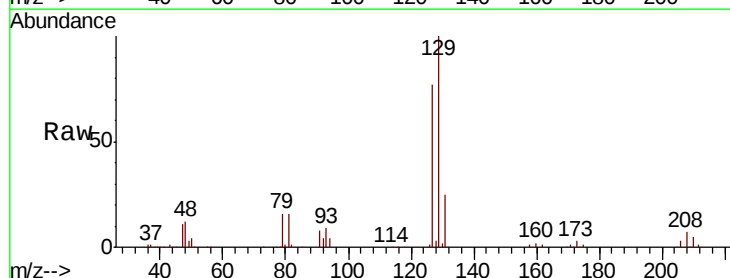
Manual Integrations
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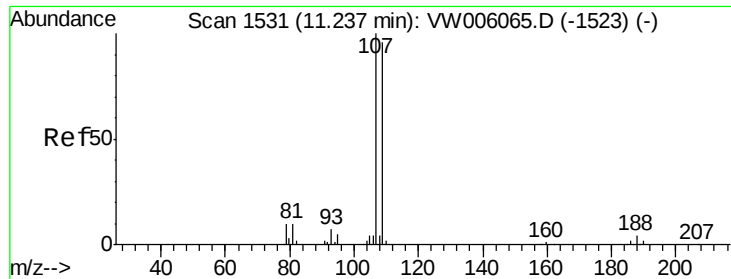
sam
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#60
Dibromochloromethane
Concen: 50.955 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion: 129 Resp: 133602
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 50.119 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 105414

Ion Ratio Lower Upper

107 100

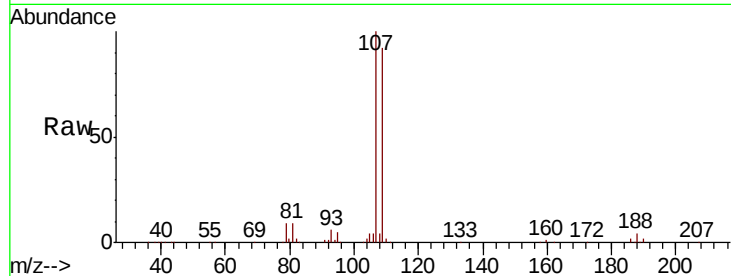
109 95.3 76.3 114.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

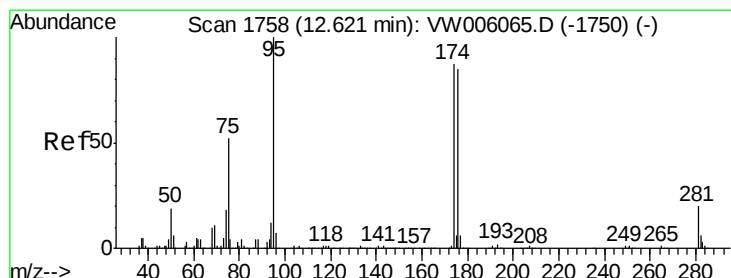
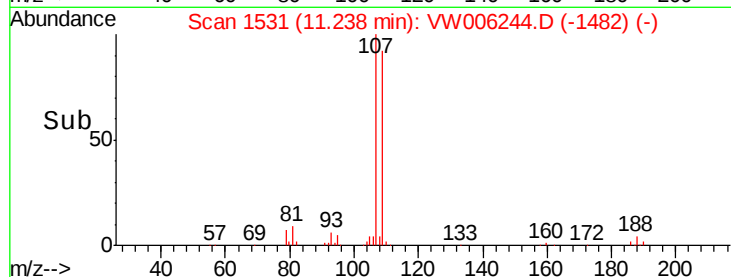
60000

40000

20000

0

Time--> 11.20 11.30



#62

4-Bromofluorobenzene

Concen: 49.738 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

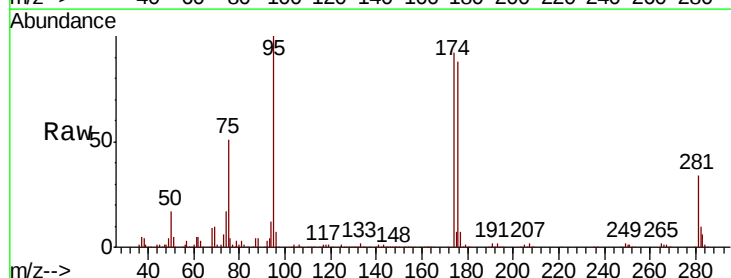
Tgt Ion: 95 Resp: 183196

Ion Ratio Lower Upper

95 100

174 94.5 0.0 186.0

176 92.2 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

12.62

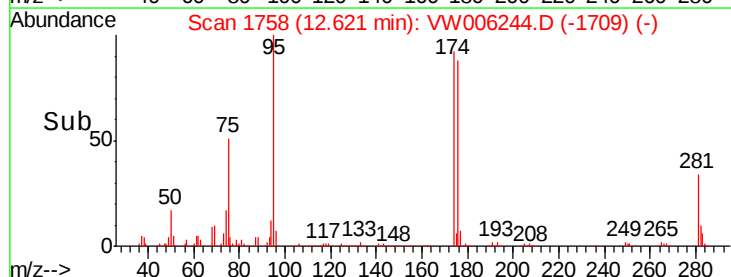
150000

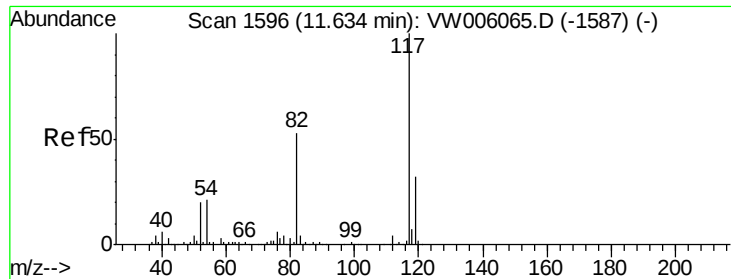
100000

50000

0

Time--> 12.55 12.60 12.65 12.70





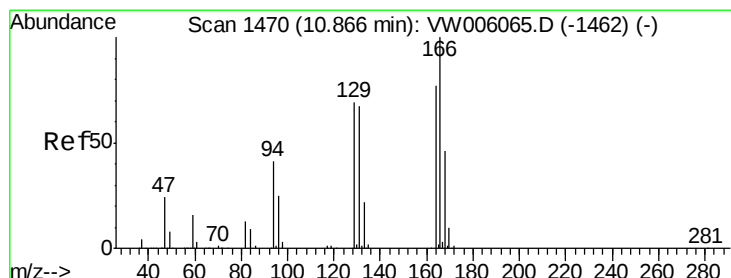
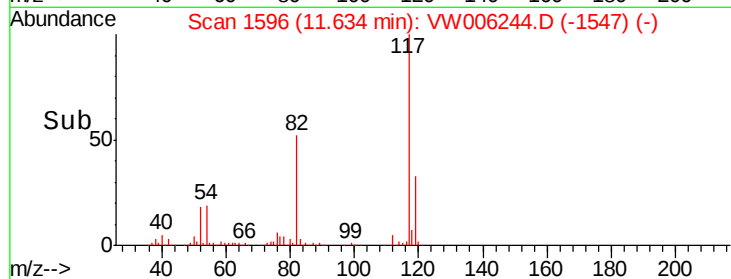
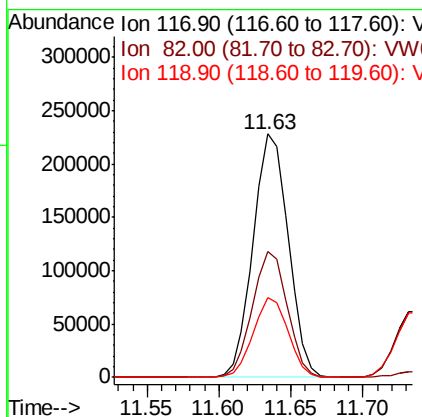
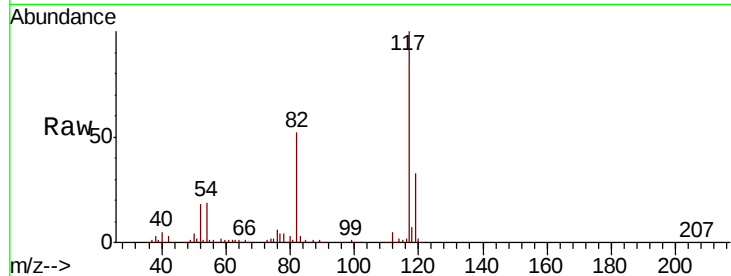
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	386045		
82	51.9	42.1	63.1	
119	32.9	25.8	38.6	

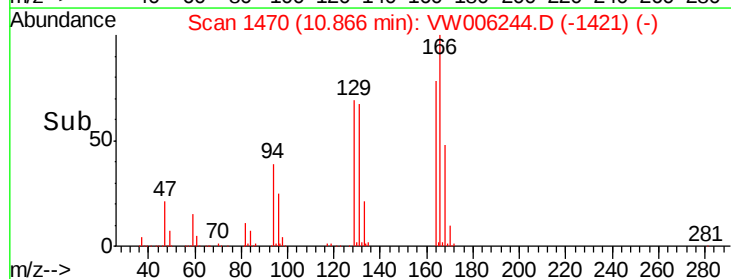
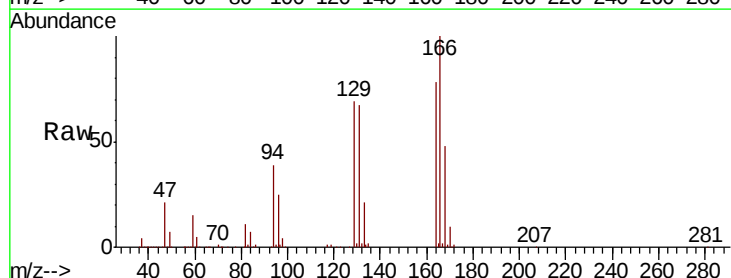
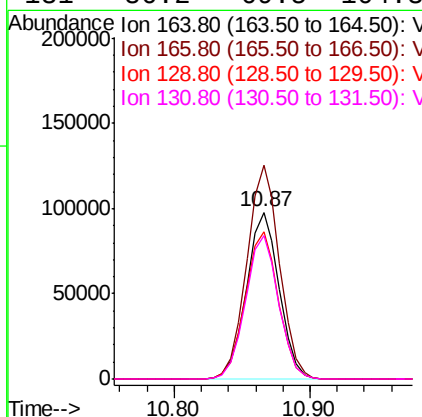
Manual Integrations
APPROVED

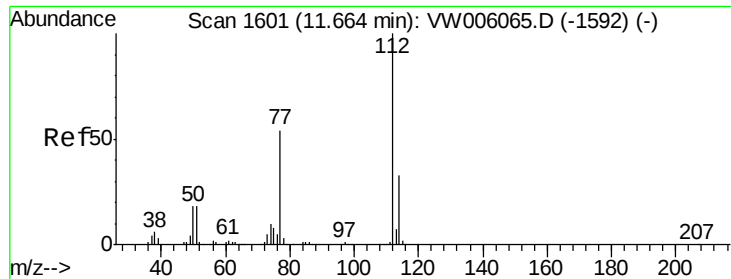
sam
10/24/2018 5:32:58 PM



#64
Tetrachloroethene
Concen: 54.931 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	164623		
166	128.1	103.4	155.0	
129	88.6	71.8	107.8	
131	86.2	69.5	104.3	





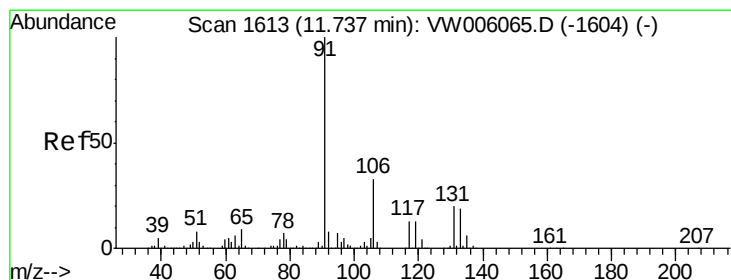
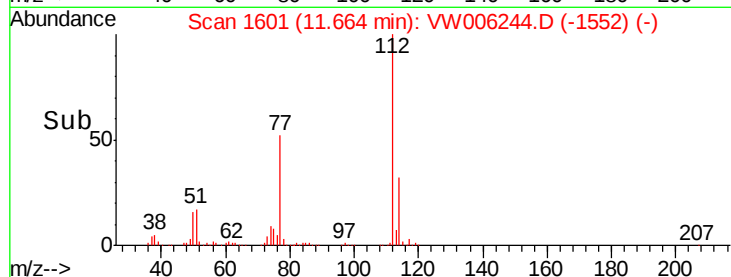
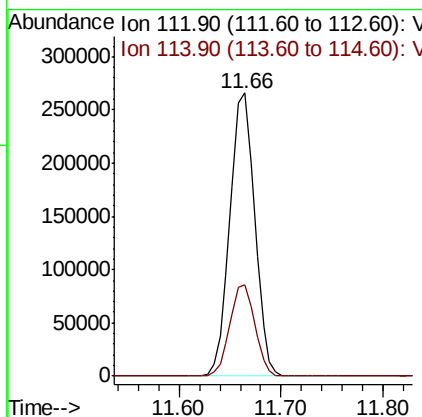
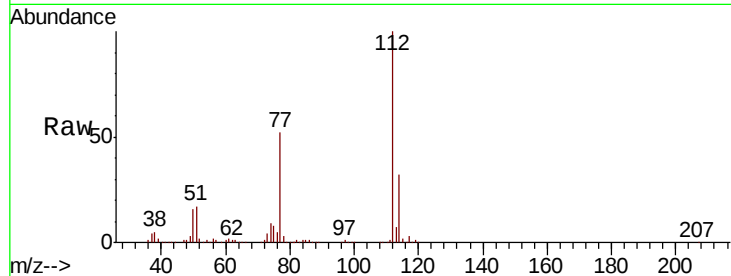
#65
Chlorobenzene
Concen: 54.221 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 448087
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.2

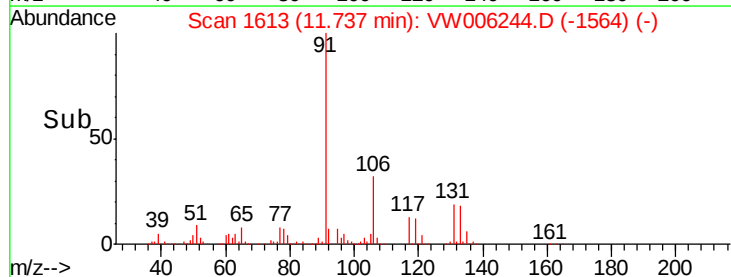
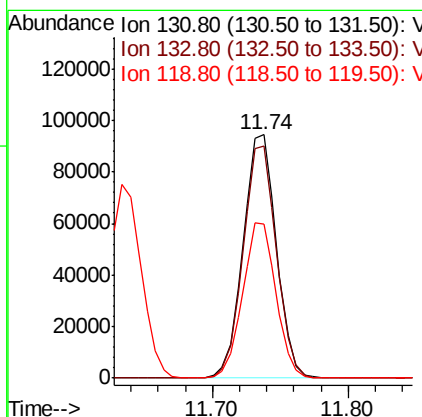
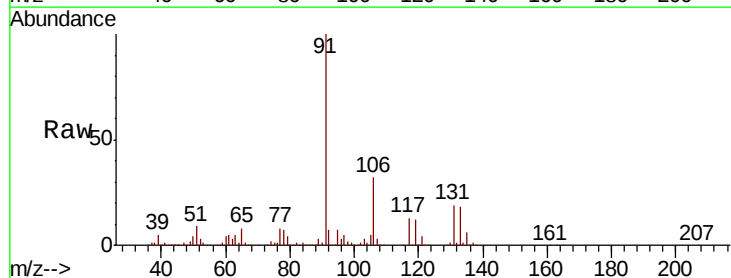
Manual Integrations
APPROVED

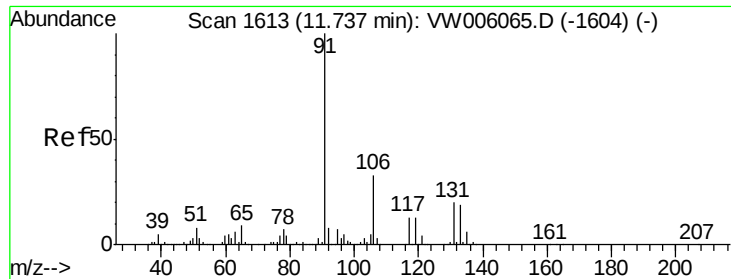
sam
10/24/2018 5:32:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.994 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion:131 Resp: 161512
Ion Ratio Lower Upper
131 100
133 95.5 48.1 144.3
119 63.8 31.6 94.7





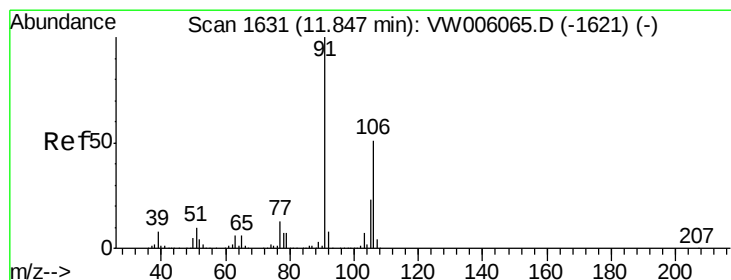
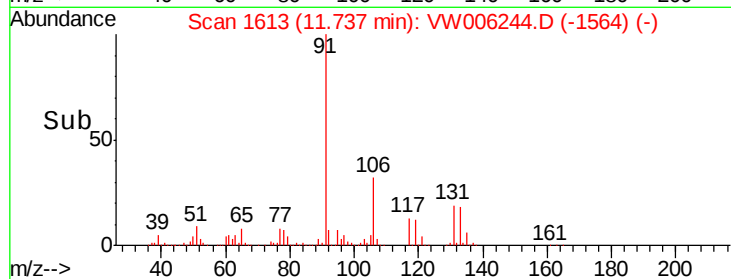
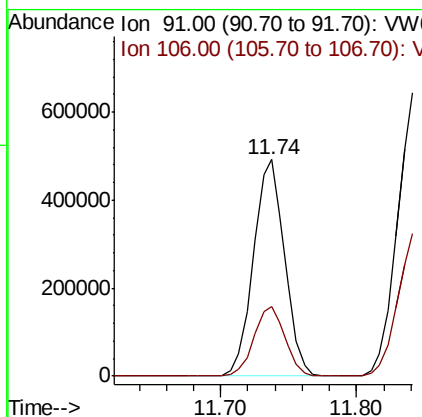
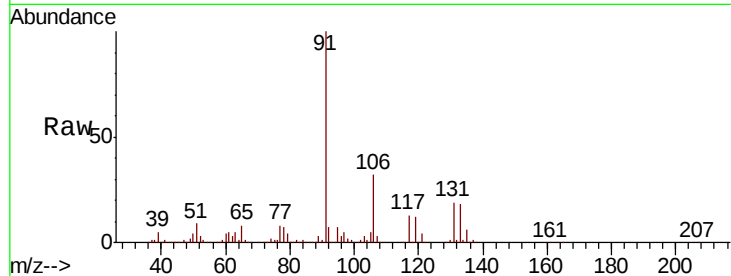
#67
Ethyl Benzene
Concen: 55.179 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 790267
Ion Ratio Lower Upper
91 100
106 31.9 26.1 39.1

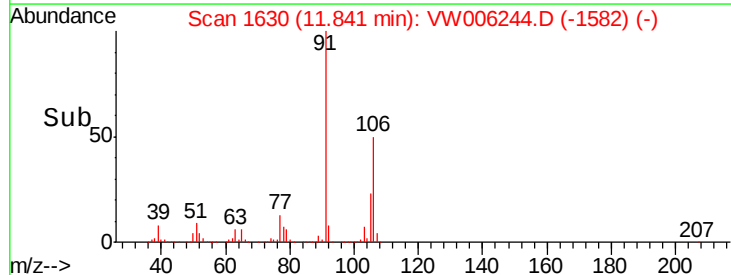
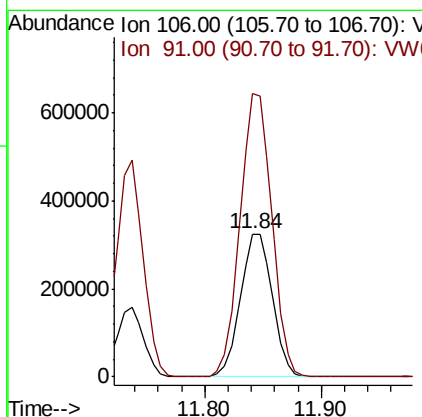
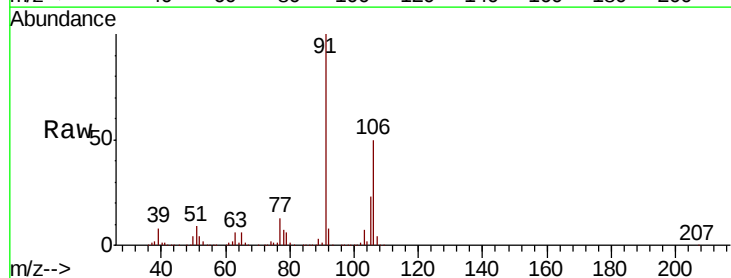
Manual Integrations
APPROVED

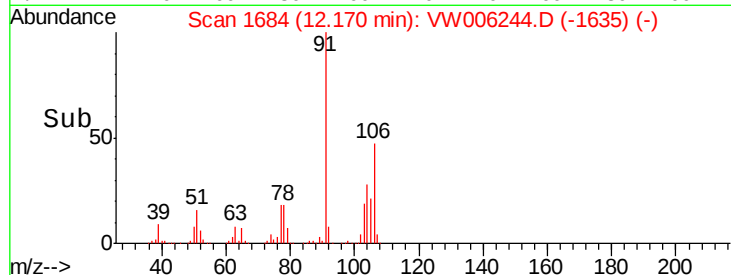
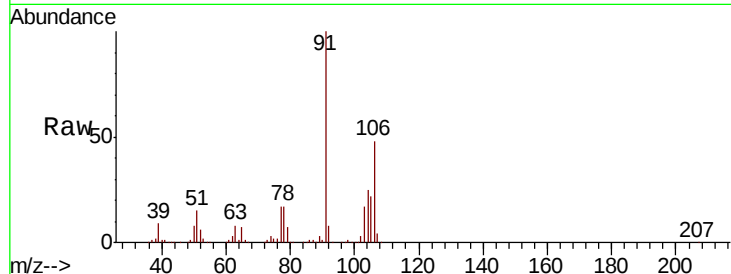
sam
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#68
m/p-Xylenes
Concen: 109.629 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion: 106 Resp: 620585
Ion Ratio Lower Upper
106 100
91 197.9 159.1 238.7





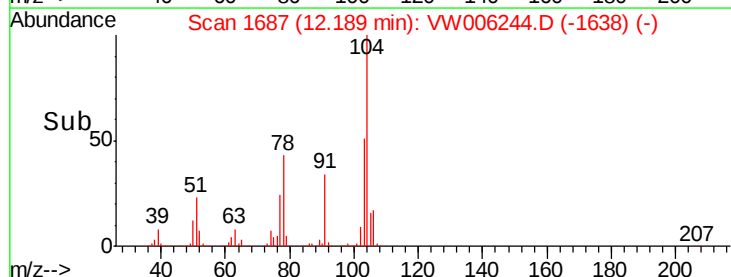
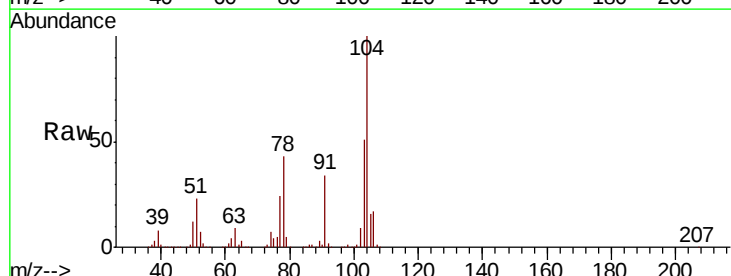
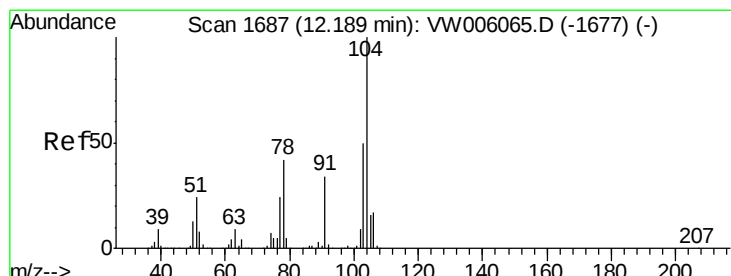
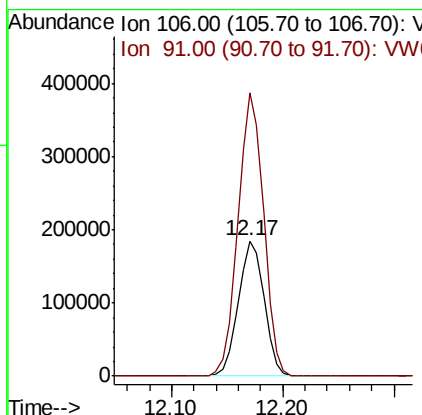
#69
o-Xylene
Concen: 54.865 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tot Ion:106 Resp: 295991
Ion Ratio Lower Upper
106 100
91 207.8 105.4 316.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

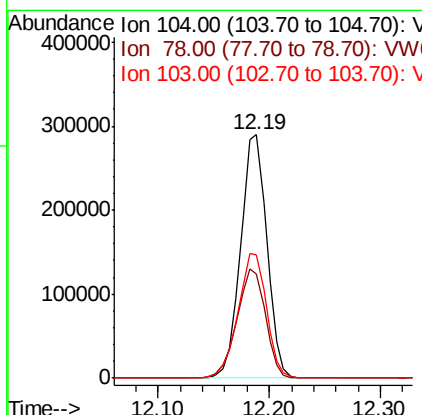
Manual Integrations
APPROVED

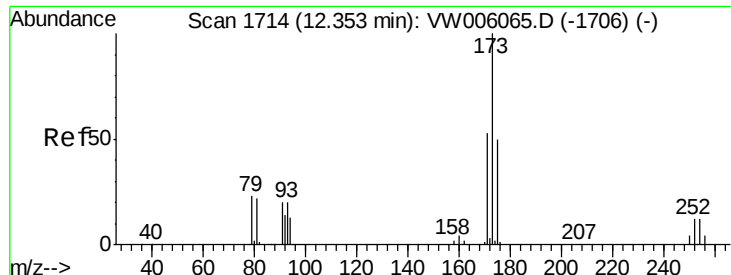
sam
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#70
Styrene
Concen: 53.990 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion:104 Resp: 473644
Ion Ratio Lower Upper
104 100
78 48.7 39.1 58.7
103 55.6 44.3 66.5





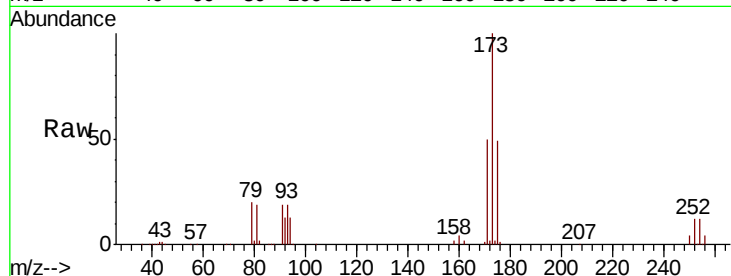
#71
Bromoform
Concen: 51.112 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.1	0.1	0.1

Manual Integrations
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sam
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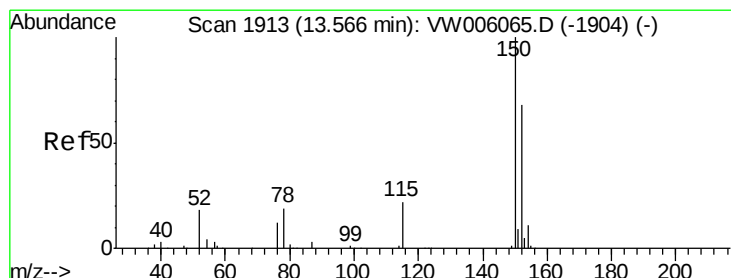
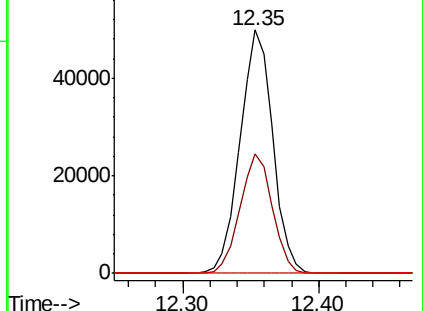
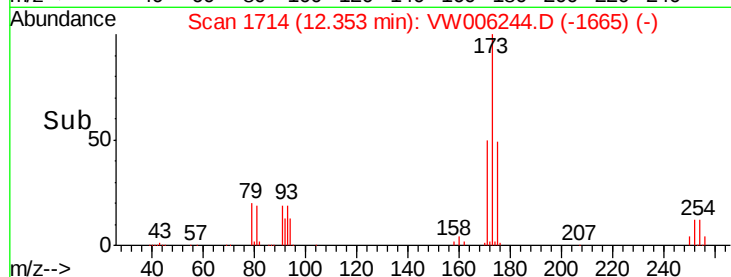


Abundance

Ion 172.70 (172.40 to 173.40): V

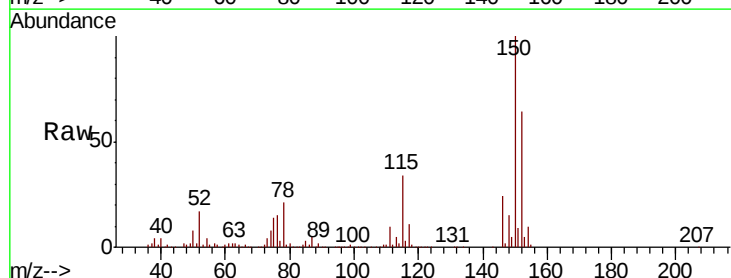
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.8	83.3
150	173.8	0.0	349.2

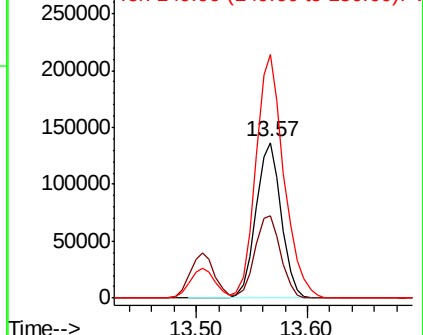
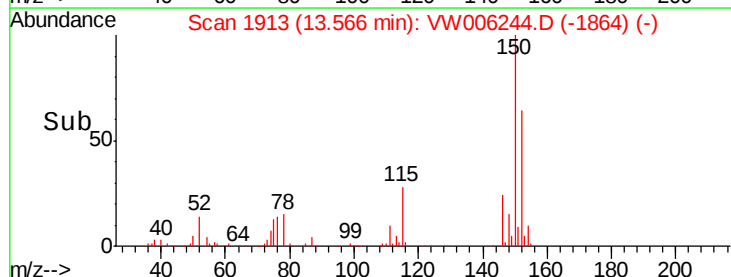


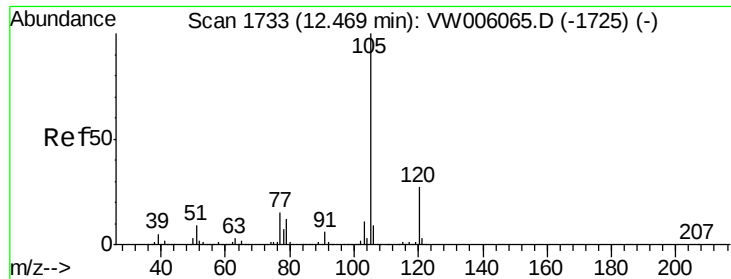
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





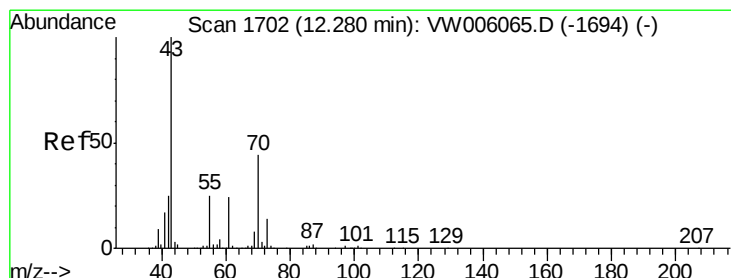
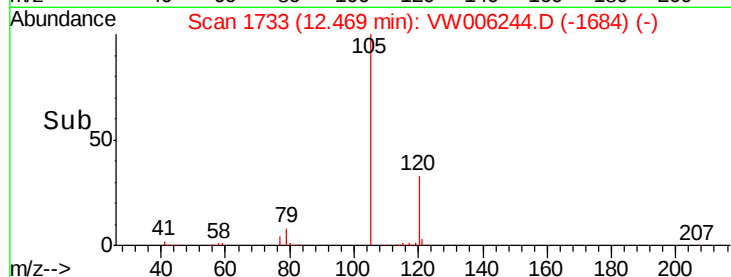
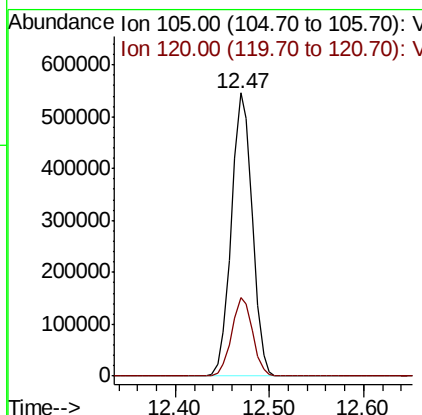
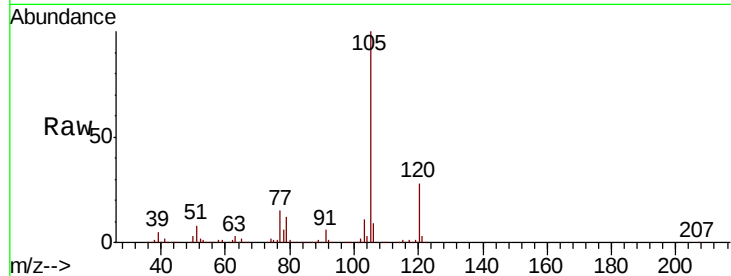
#73
Isopropylbenzene
Concen: 55.271 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.6	40.7

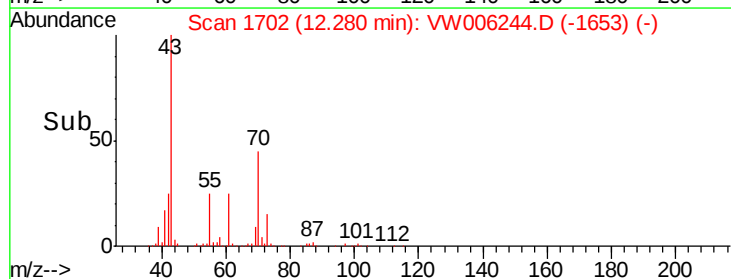
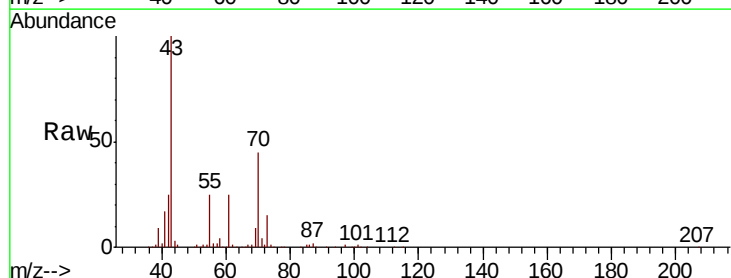
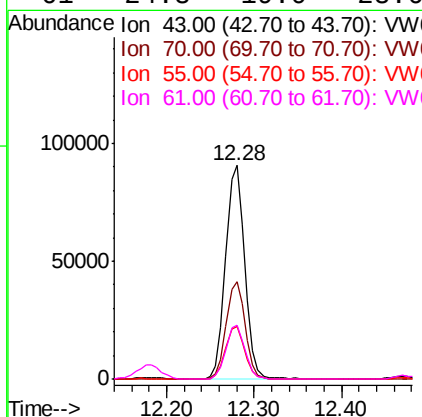
Manual Integrations
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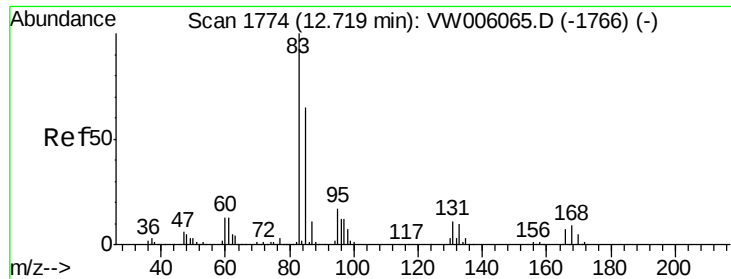
sam
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#74
N-ethyl acetate
Concen: 46.547 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.4	34.2	51.4
55	25.0	19.2	28.8
61	24.8	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.091 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

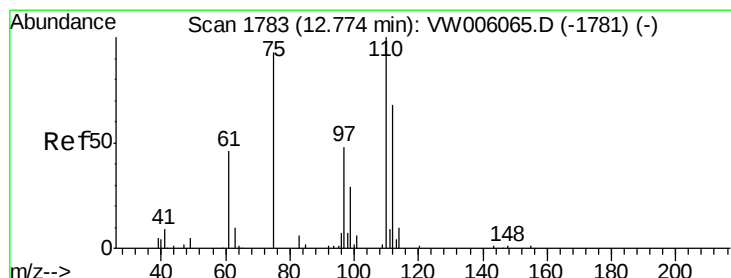
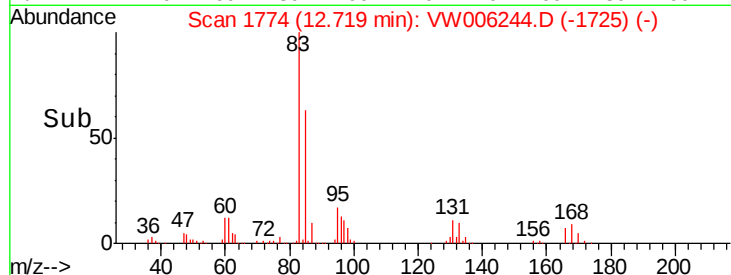
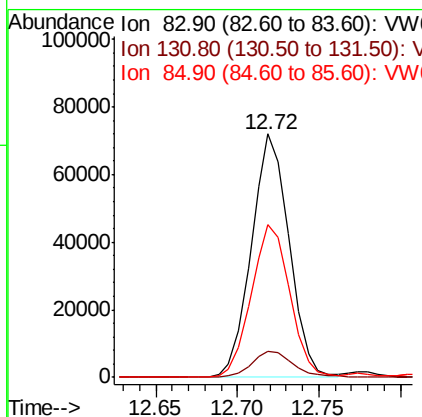
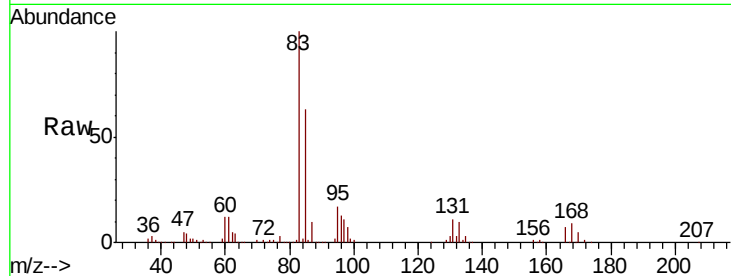
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	115937
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.9	17.7
85	63.9	31.9	95.9

Manual Integrations
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sam
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#76

1,2,3-Trichloropropane

Concen: 47.650 ug/l m

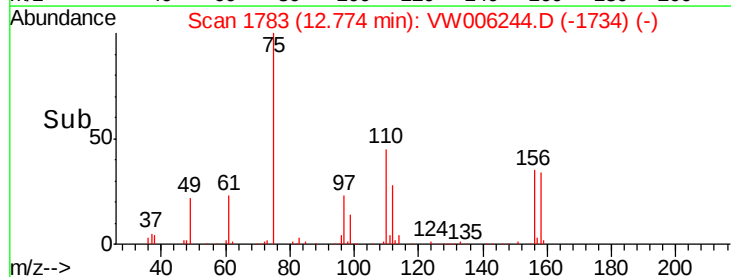
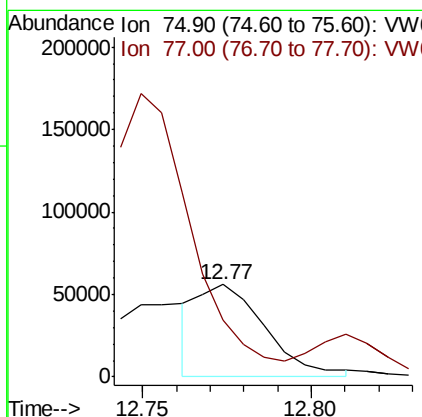
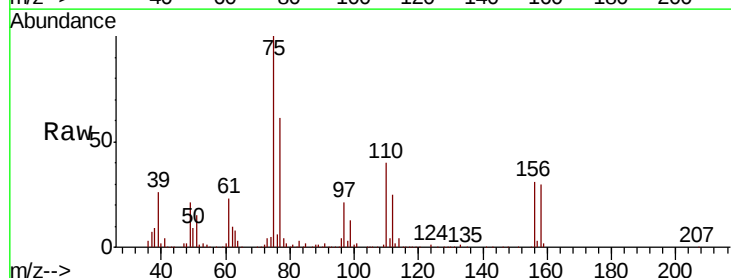
RT: 12.77 min Scan# 1783

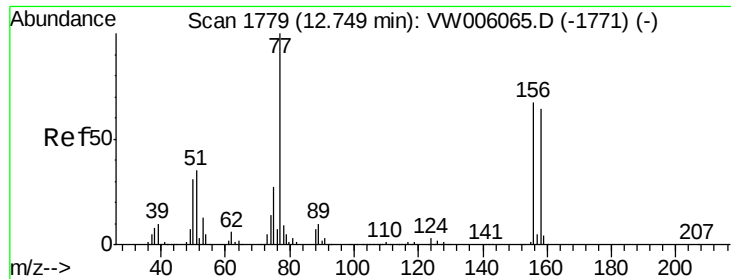
Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Tgt Ion:	75	Resp:	78397
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





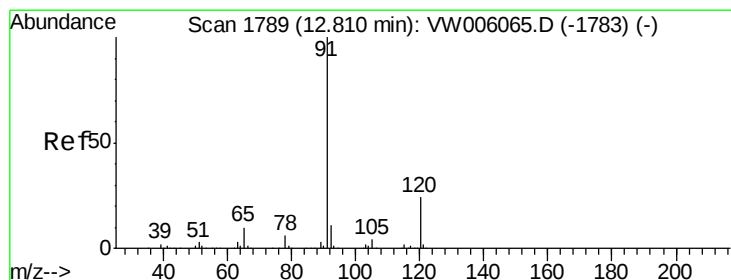
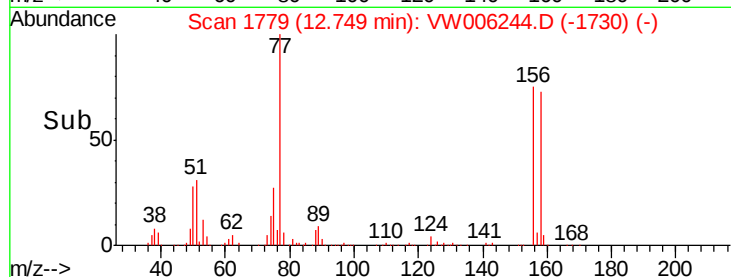
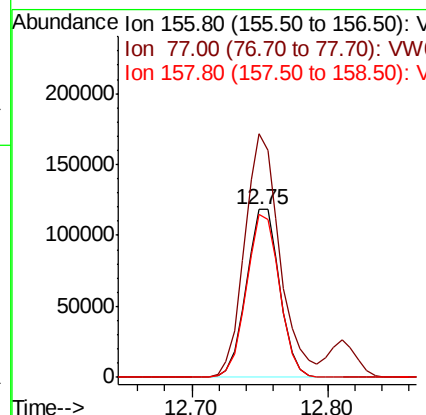
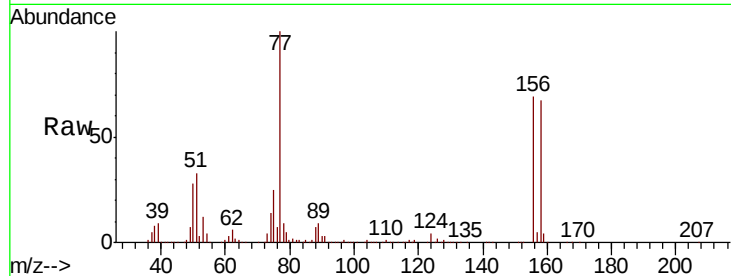
#77
Bromobenzene
Concen: 54.069 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.3	79.1	237.4
158	96.7	48.5	145.6

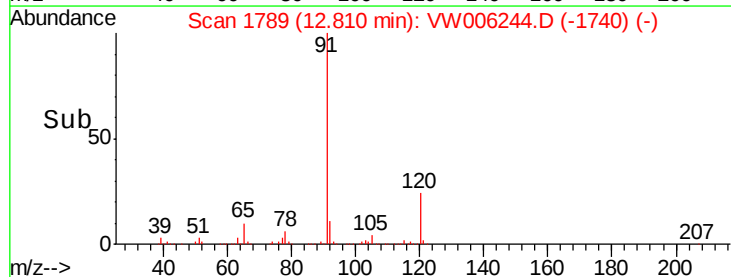
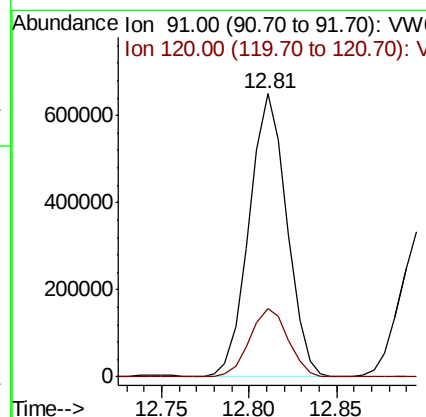
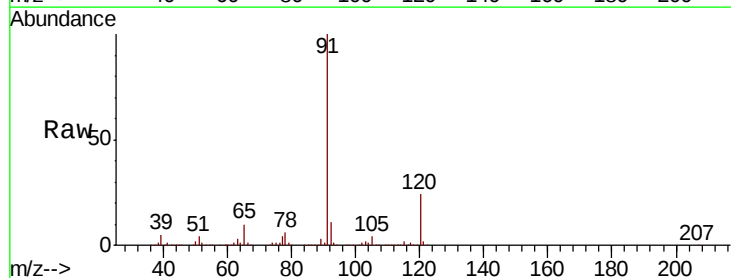
Manual Integrations
APPROVED

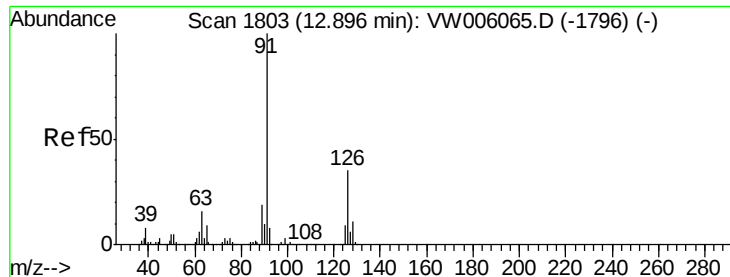
sam
10/24/2018 5:32:58 PM



#78
n-propylbenzene
Concen: 54.991 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.2	36.6





#79

2-Chlorotoluene

Concen: 54.766 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 544780

Ion Ratio Lower Upper

91 100

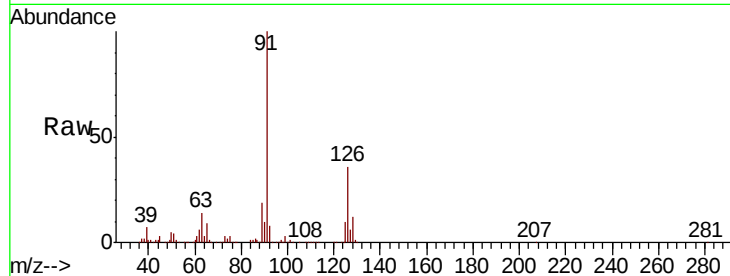
126 36.1 17.9 53.8

Manual Integrations

APPROVED

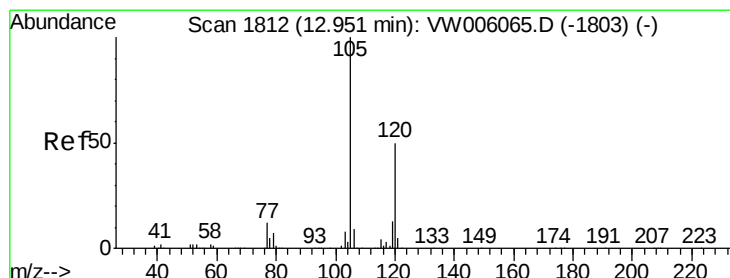
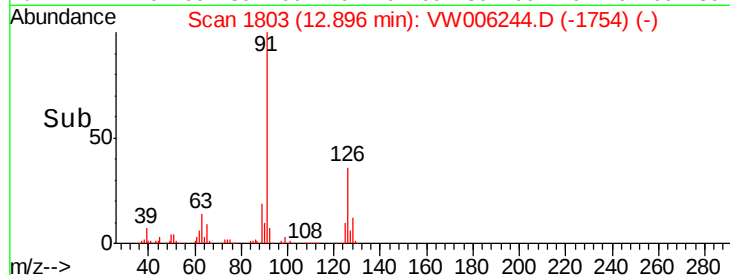
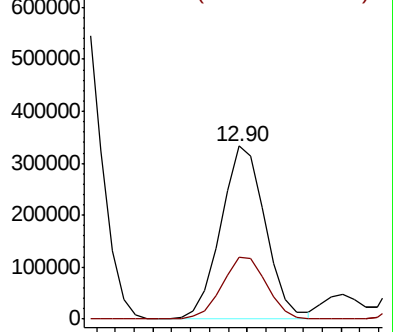
sam

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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: 54.817 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006244.D

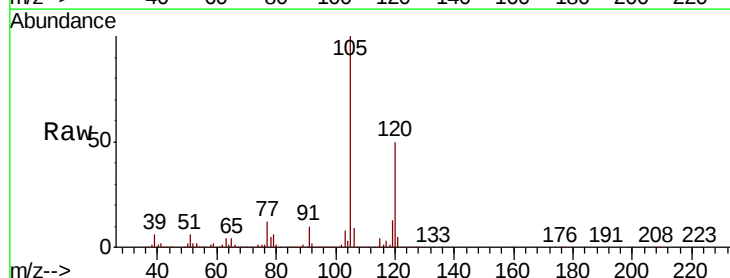
Acq: 22 Oct 2018 11:49

Tgt Ion:105 Resp: 703237

Ion Ratio Lower Upper

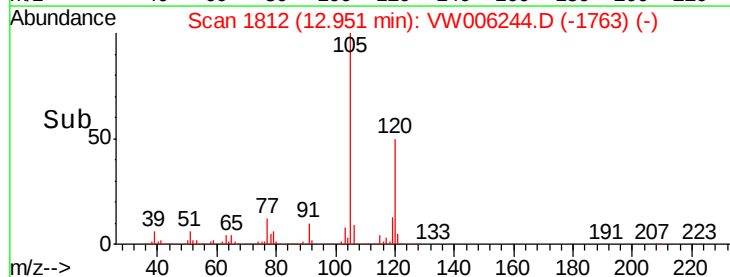
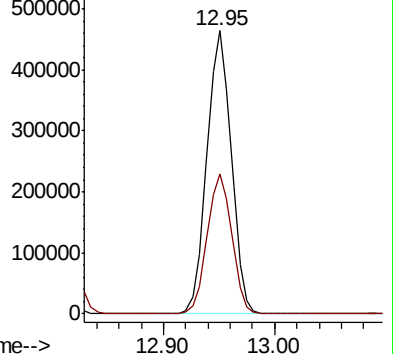
105 100

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





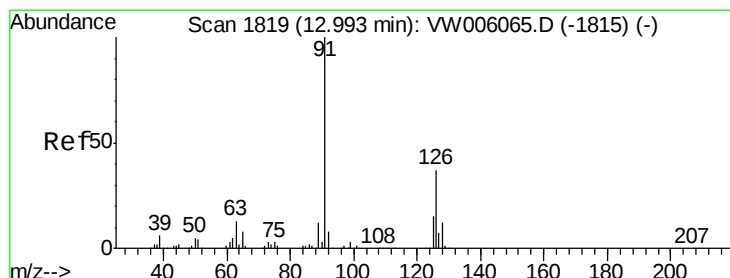
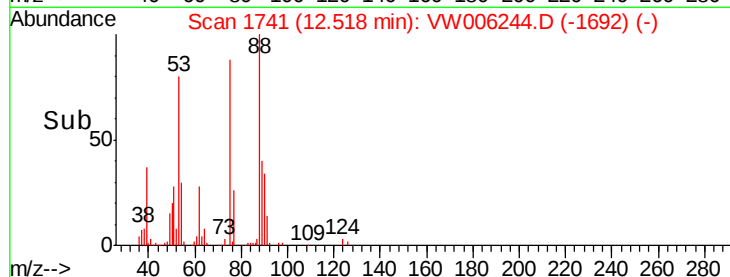
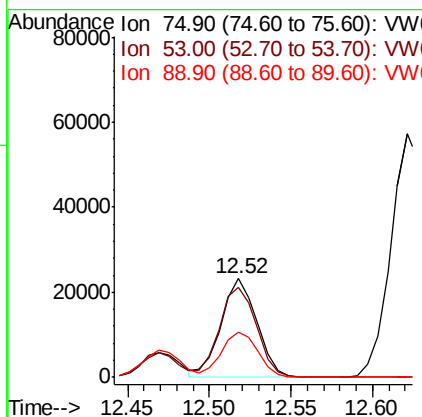
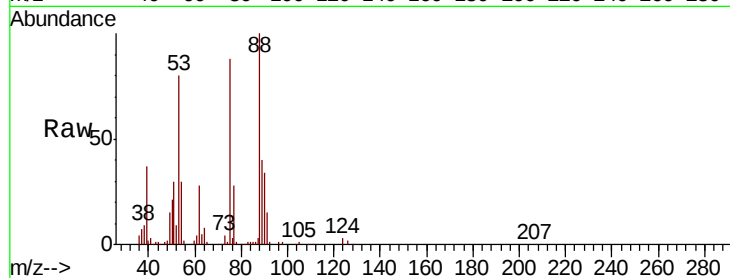
#81
trans-1,4-Dichloro-2-butene
Concen: 51.438 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	79.8	119.6
89	47.0	37.5	56.3

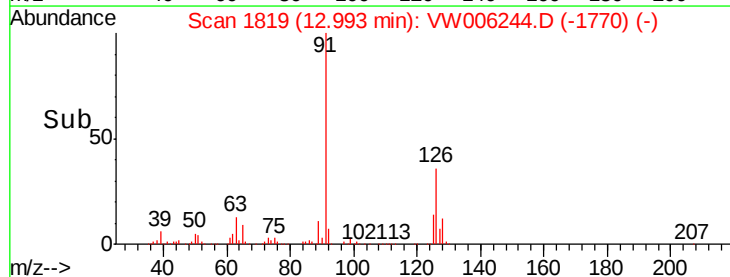
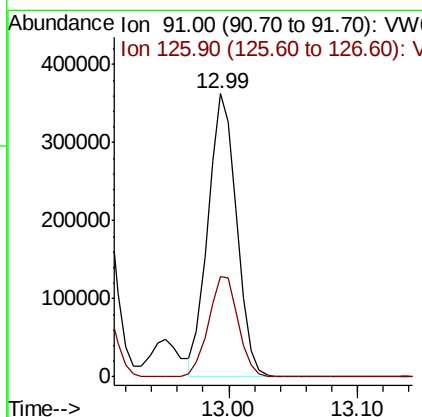
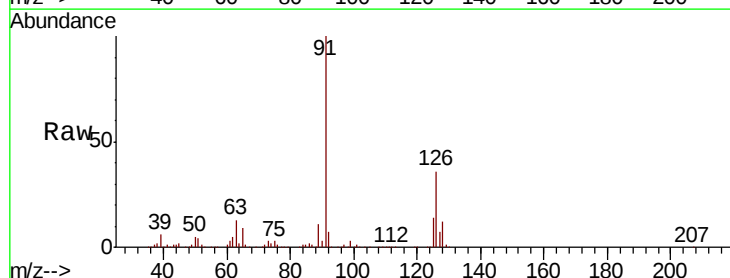
Manual Integrations
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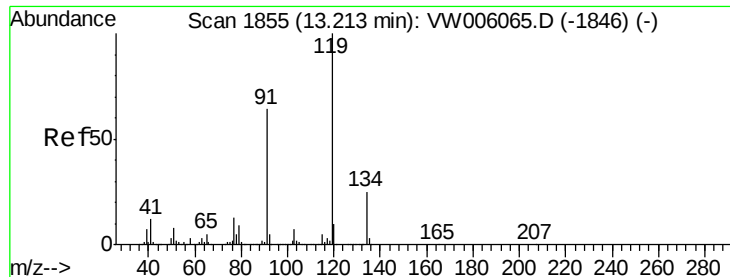
sam
10/24/2018 5:32:58 PM



#82
4-Chlorotoluene
Concen: 53.886 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.1	54.3





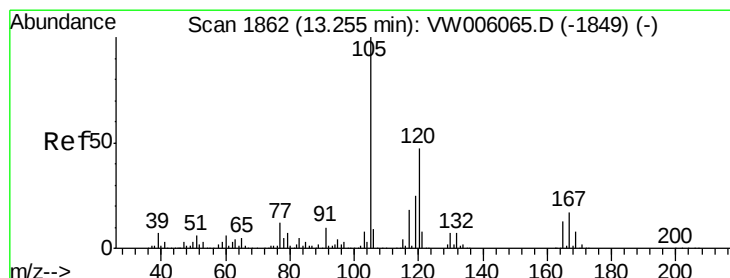
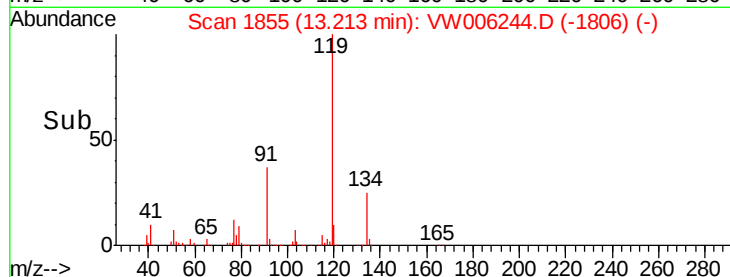
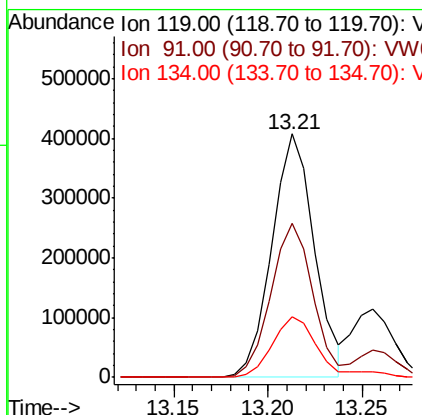
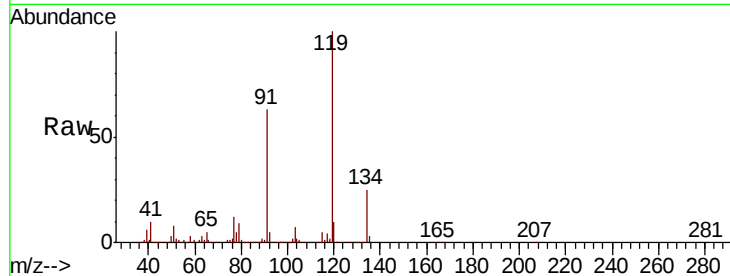
#83
tert-Butylbenzene
Concen: 55.372 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.3	96.9
134	27.2	13.6	40.8

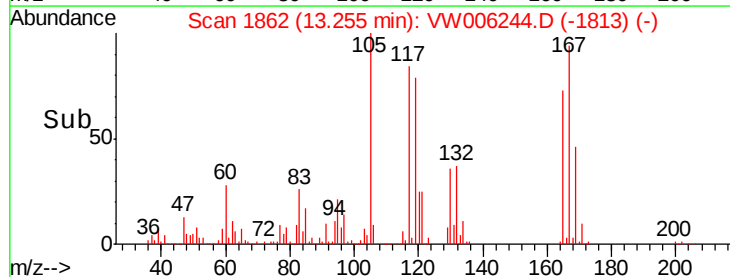
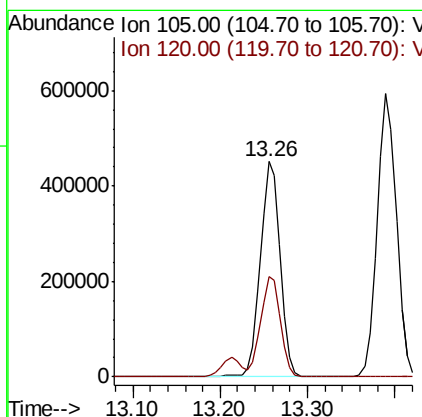
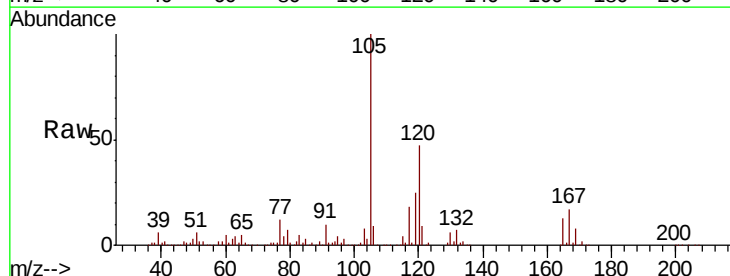
Manual Integrations
APPROVED

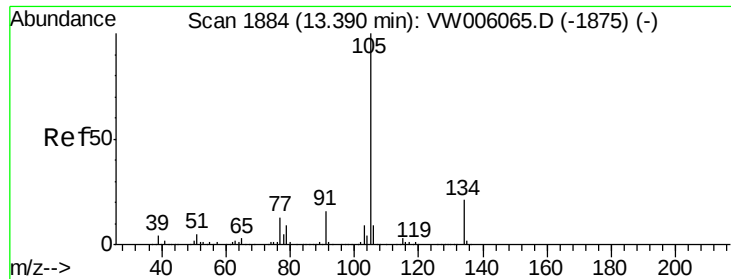
sam
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#84
1,2,4-Trimethylbenzene
Concen: 54.855 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 55.484 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 899694

Ion Ratio Lower Upper

105 100

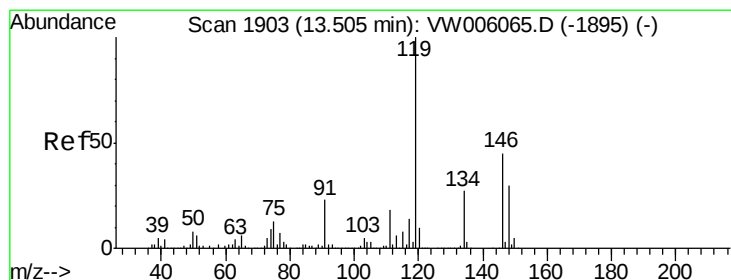
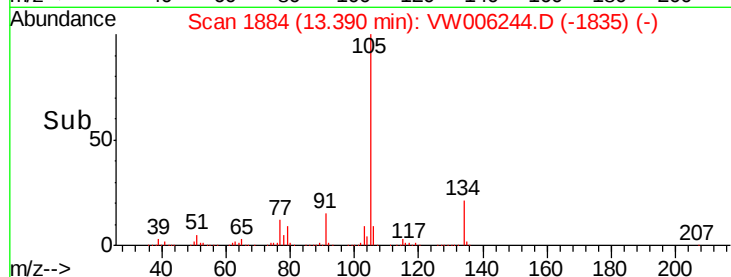
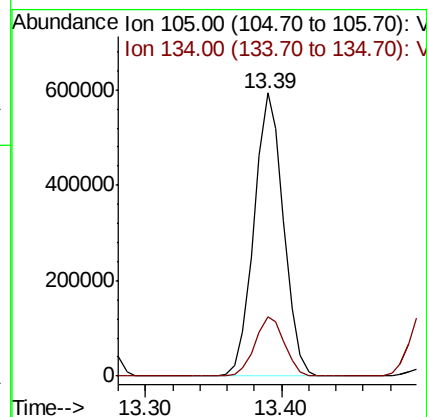
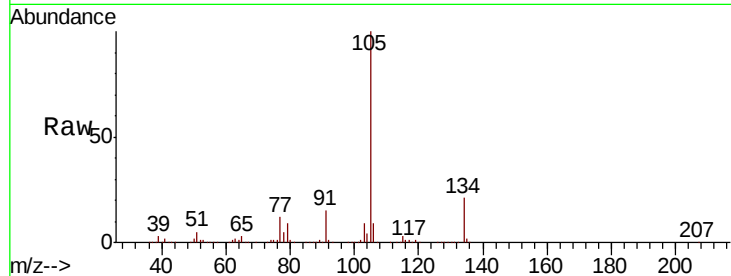
134 21.3 10.5 31.6

Manual Integrations

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sam

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#86

p-Isopropyltoluene

Concen: 55.954 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006244.D

Acq: 22 Oct 2018 11:49

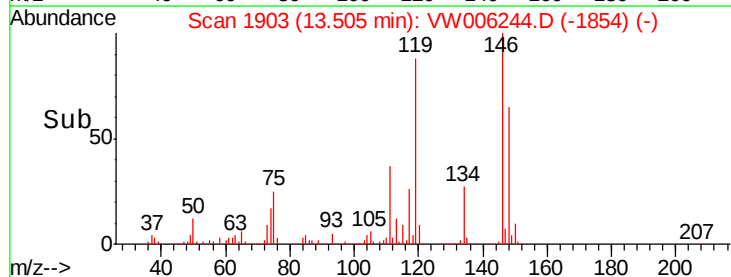
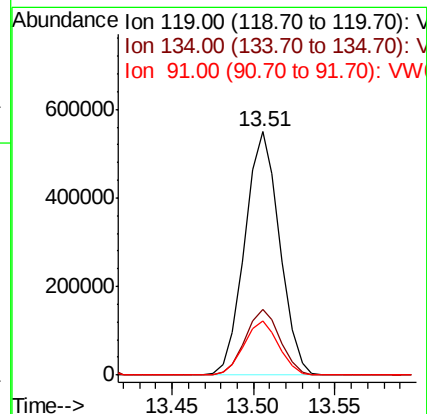
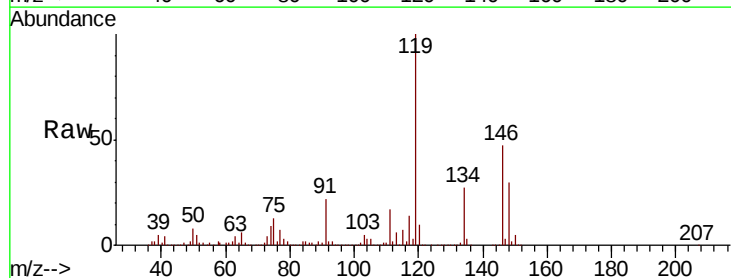
Tgt Ion:119 Resp: 820663

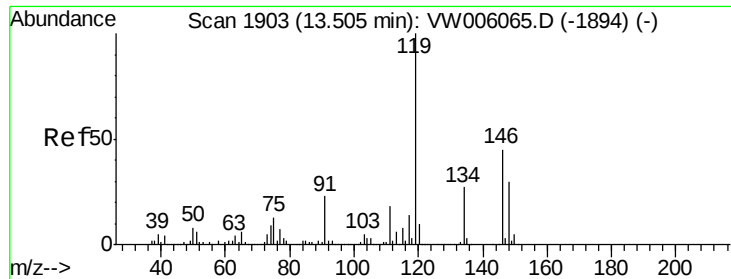
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.3 11.4 34.1





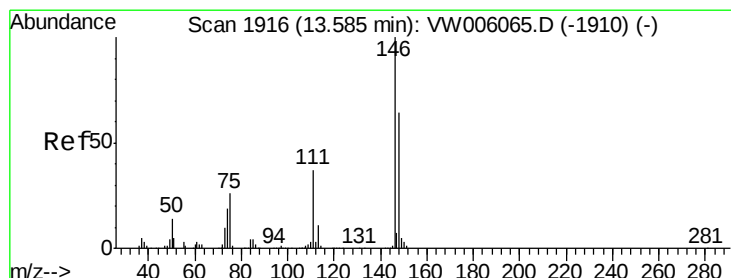
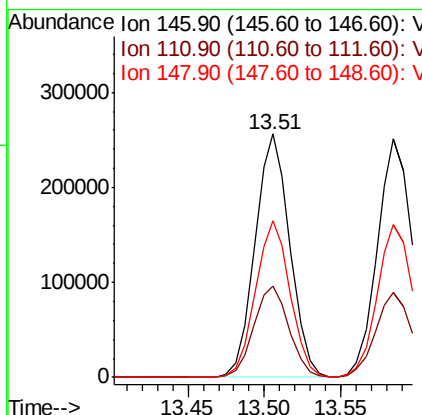
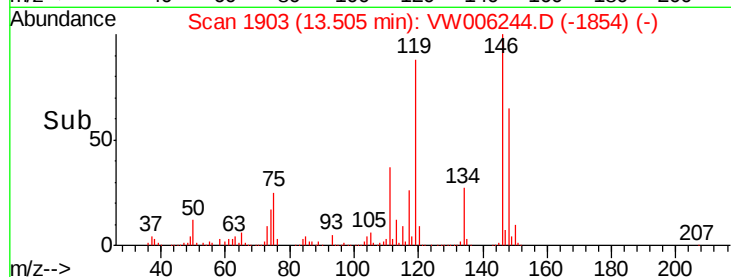
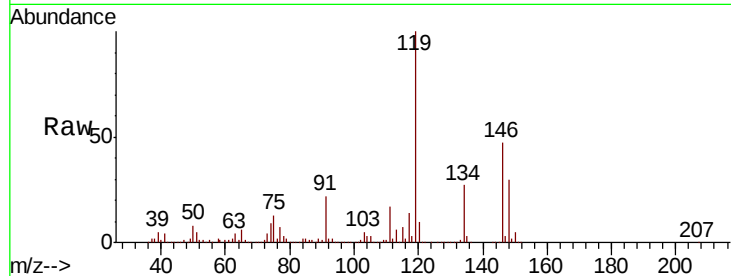
#87
 1,3-Dichlorobenzene
 Concen: 54.481 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	64.2	32.0	96.2

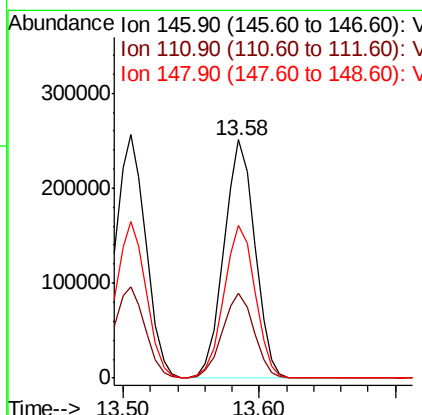
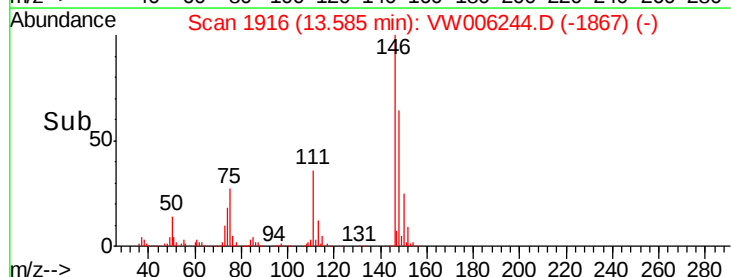
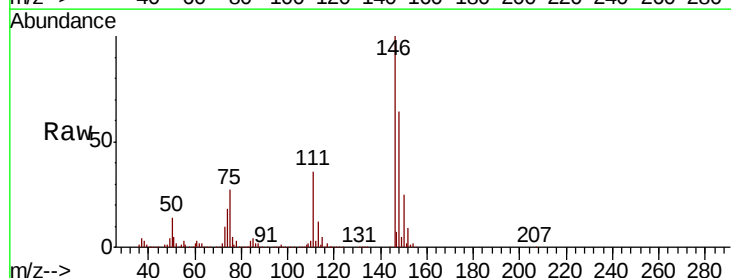
Manual Integrations
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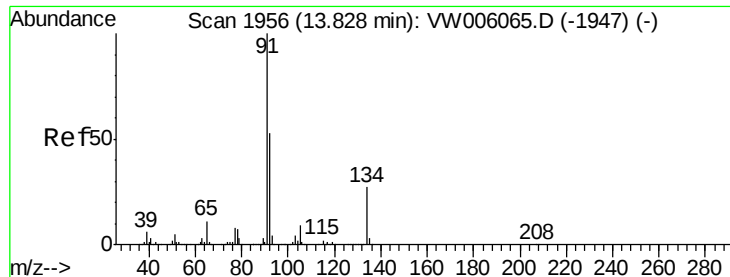
sam
 10/24/2018 5:32:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.698 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	56.0
148	64.6	32.1	96.5





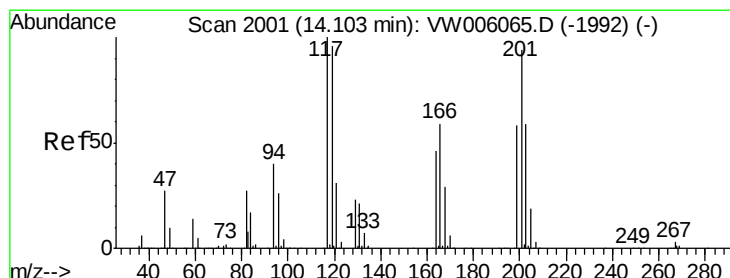
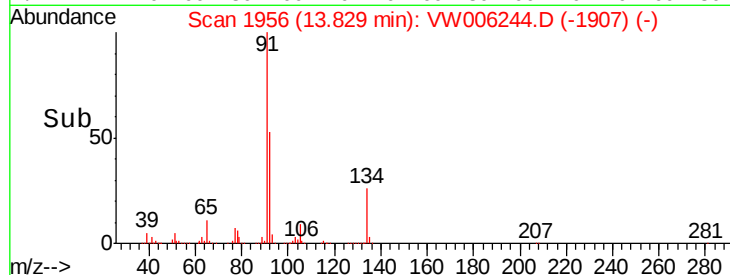
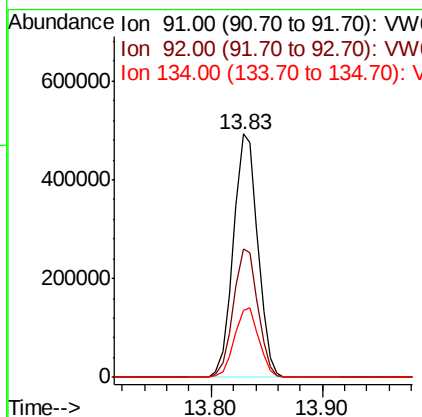
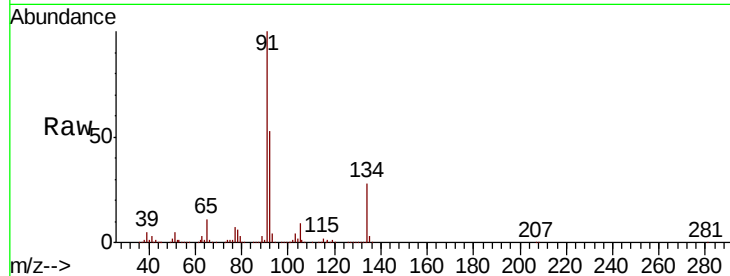
#89
n-Butylbenzene
Concen: 55.576 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	28.6	14.0	41.9

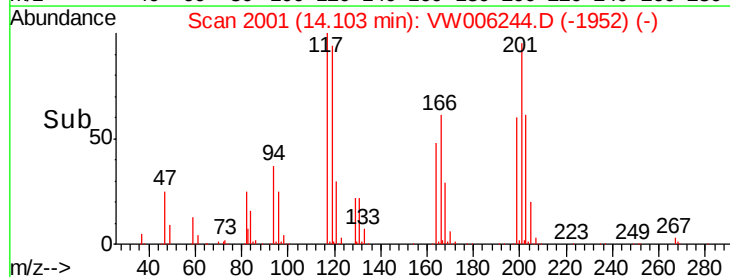
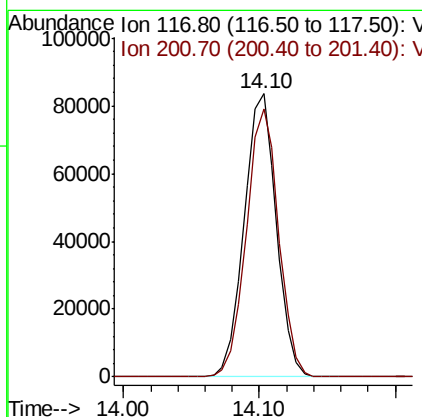
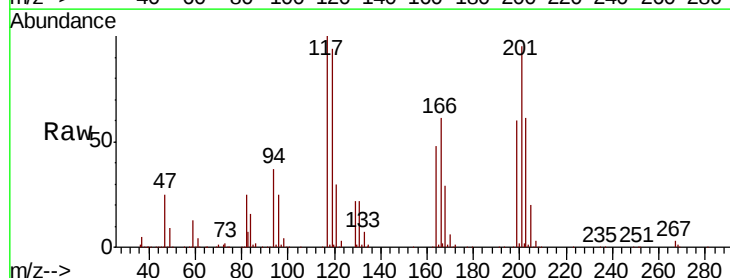
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#90
Hexachloroethane
Concen: 55.638 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	45.3	135.9





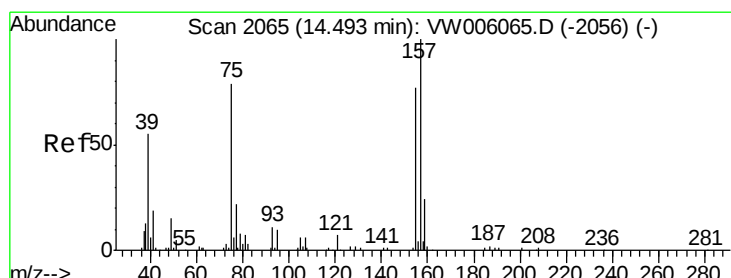
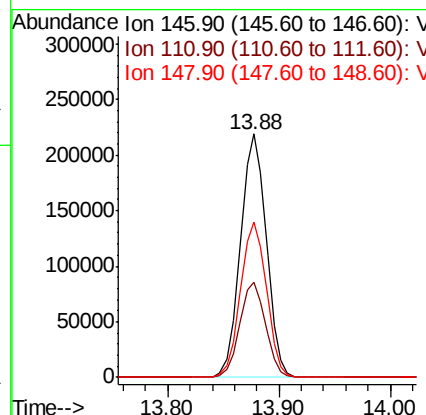
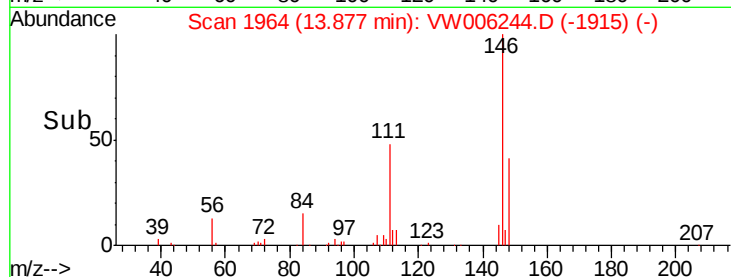
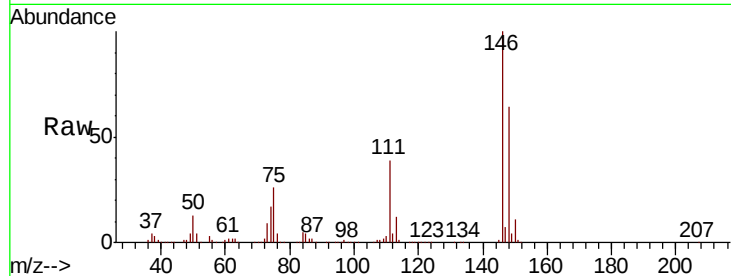
#91
 1,2-Dichlorobenzene
 Concen: 53.100 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	64.1	32.2	96.6

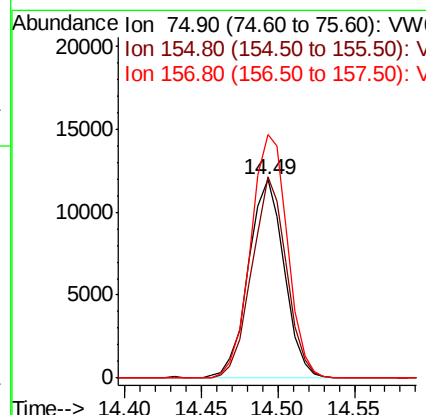
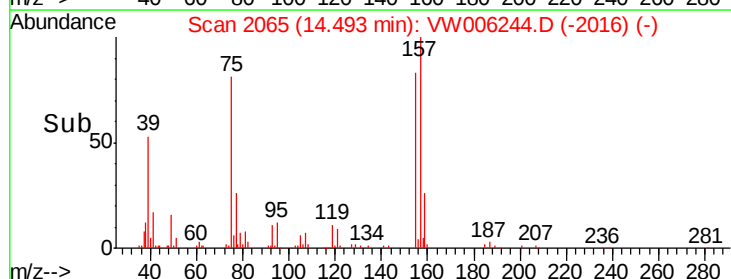
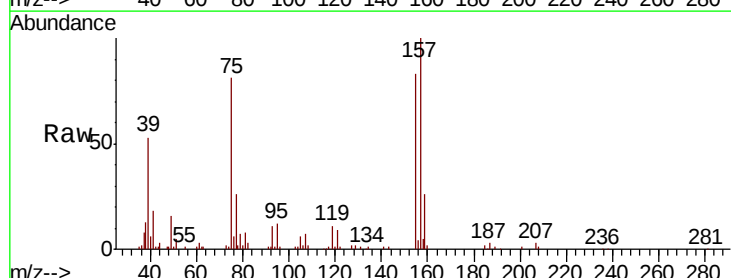
Manual Integrations
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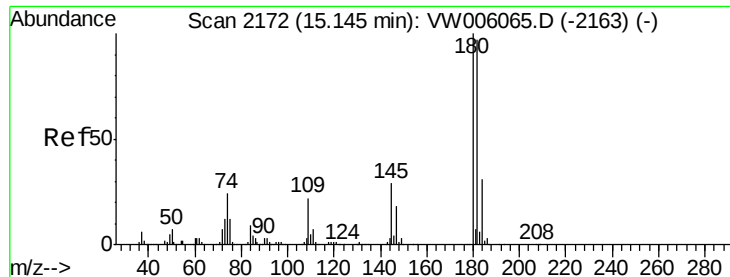
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.083 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	46.5	139.5
157	125.4	59.8	179.4





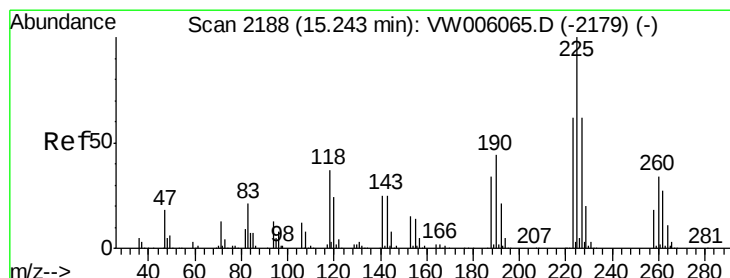
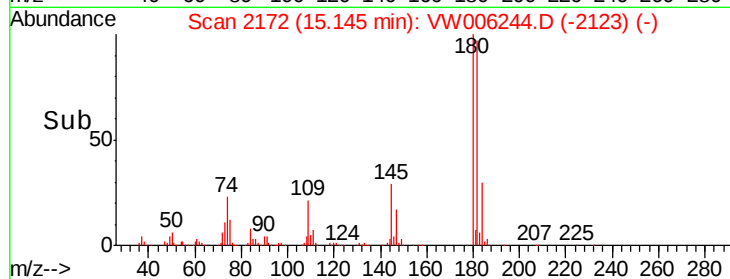
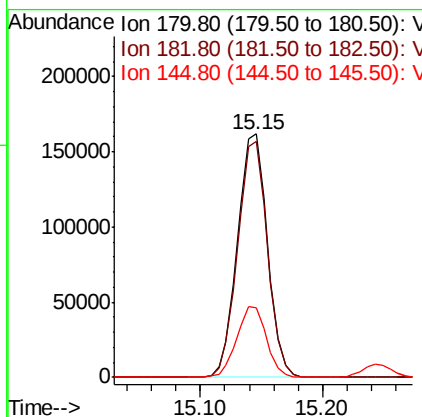
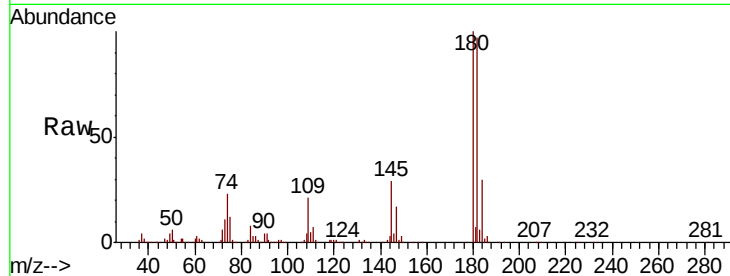
#93
 1,2,4-Trichlorobenzene
 Concen: 53.866 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	274245		
182	96.1	47.9	143.6	
145	28.7	14.2	42.8	

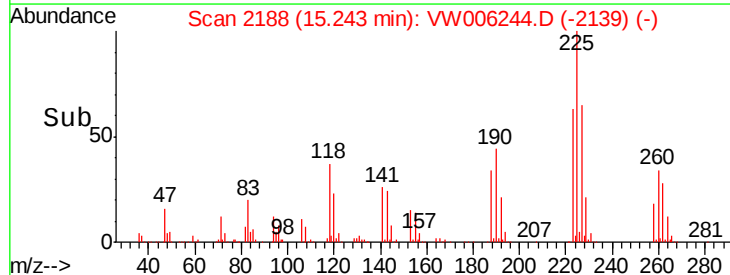
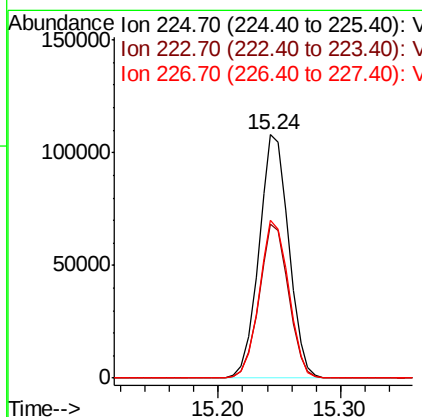
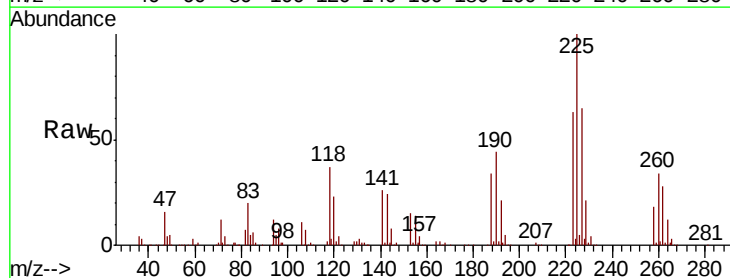
Manual Integrations
 APPROVED

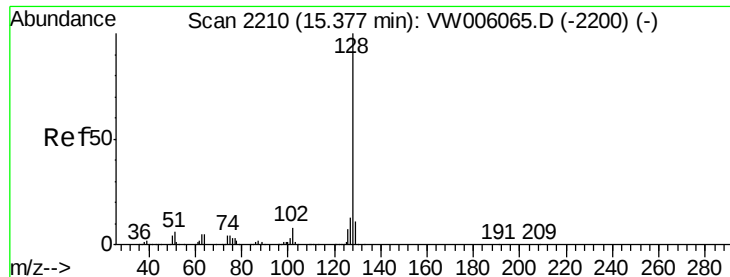
sam
 10/24/2018 5:32:58 PM



#94
 Hexachlorobutadiene
 Concen: 57.161 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006244.D
 Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	182818		
223	62.3	31.1	93.5	
227	64.3	32.4	97.0	





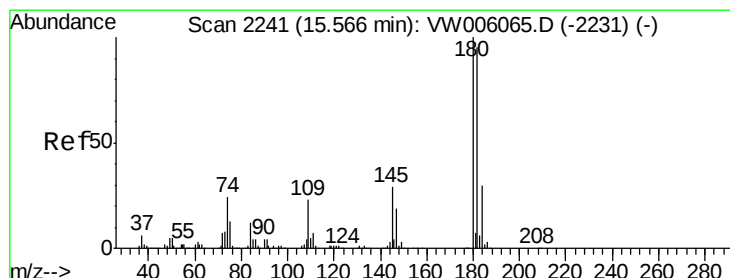
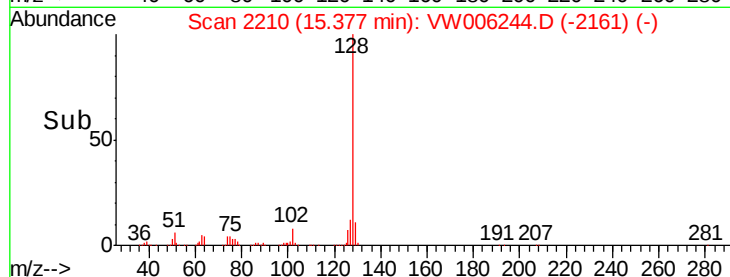
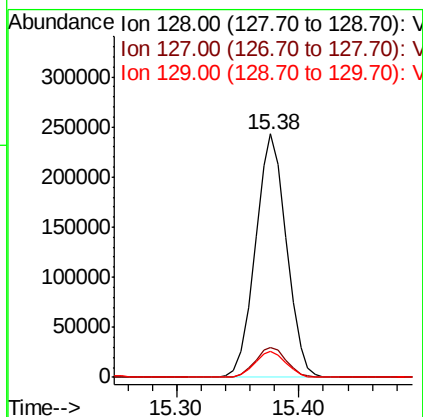
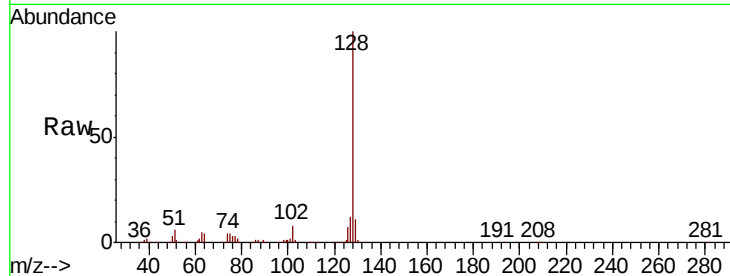
#95
Naphthalene
Concen: 50.527 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

sam
10/24/2018 5:32:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.018 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006244.D
Acq: 22 Oct 2018 11:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	30.4	15.0	45.1

