

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012018.D
 Acq On : 20 Aug 2019 09:06
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:28:43 AM

Quant Time: Aug 20 12:48:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	435408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	369950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175993	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	153708	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.88	113	129156	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.32	98	533159	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.62	95	187589	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	78611	50.878	ug/l	94
3) Chloromethane	2.21	50	125522	46.851	ug/l	99
4) Vinyl Chloride	2.36	62	171432	53.148	ug/l	98
5) Bromomethane	2.77	94	90116	50.474	ug/l	96
6) Chloroethane	2.92	64	100879	54.751	ug/l	100
7) Trichlorofluoromethane	3.25	101	93481	64.847	ug/l	98
8) Diethyl Ether	3.68	74	82441	50.440	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	153862	56.265	ug/l	99
10) Methyl Iodide	4.27	142	209358	54.175	ug/l	99
11) Tert butyl alcohol	5.16	59	50095	210.402	ug/l	97
12) 1,1-Dichloroethene	4.04	96	157107	54.413	ug/l	97
13) Acrolein	3.89	56	41766	182.846	ug/l	96
14) Allyl chloride	4.67	41	339249	55.243	ug/l	99
15) Acrylonitrile	5.36	53	196435	240.759	ug/l	100
16) Acetone	4.12	43	249271	246.157	ug/l	98
17) Carbon Disulfide	4.38	76	458892	50.780	ug/l	99
18) Methyl Acetate	4.67	43	102856	45.213	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	242586	52.945	ug/l	97
20) Methylene Chloride	4.92	84	163453	46.802	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	167220	53.719	ug/l	100
22) Diisopropyl ether	6.31	45	607515	52.471	ug/l	98
23) Vinyl Acetate	6.25	43	1851494	254.496	ug/l	100
24) 1,1-Dichloroethane	6.21	63	332798	53.670	ug/l	99
25) 2-Butanone	7.17	43	315151	237.835	ug/l	98
26) 2,2-Dichloropropane	7.17	77	194298	50.951	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	179397	52.364	ug/l	99
28) Bromochloromethane	7.51	49	137931	50.114	ug/l	98
29) Tetrahydrofuran	7.52	42	177065	233.772	ug/l	99
30) Chloroform	7.68	83	298358	52.154	ug/l	98
31) Cyclohexane	7.95	56	310341	52.138	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	241194	55.362	ug/l	99
36) 1,1-Dichloropropene	8.08	75	254838	56.287	ug/l	99
37) Ethyl Acetate	7.25	43	125081	48.020	ug/l	99
38) Carbon Tetrachloride	8.07	117	220856	56.983	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	295719	59.319	ug/l	97
40) Benzene	8.32	78	690853	54.477	ug/l	100
41) Methacrylonitrile	7.48	41	78147	50.189	ug/l	95
42) 1,2-Dichloroethane	8.40	62	205514	51.761	ug/l	99
43) Isopropyl Acetate	8.42	43	242434	50.609	ug/l	100
44) Trichloroethene	9.09	130	171432	56.244	ug/l	96
45) 1,2-Dichloropropane	9.37	63	184506	54.375	ug/l	99
46) Dibromomethane	9.46	93	79659	51.436	ug/l	98
47) Bromodichloromethane	9.64	83	220381	54.248	ug/l	99
48) Methyl methacrylate	9.43	41	117402	51.020	ug/l	99
49) 1,4-Dioxane	9.45	88	21588	962.702	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	612474	245.806	ug/l	100
52) Toluene	10.39	92	422178	55.126	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	229257	54.023	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	274185	54.340	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	113010	51.429	ug/l	99
56) Ethyl methacrylate	10.65	69	170156	52.918	ug/l	99
57) 1,3-Dichloropropane	10.93	76	215226	51.771	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	426478	292.116	ug/l	99
59) 2-Hexanone	10.97	43	462885	263.107	ug/l	99
60) Dibromochloromethane	11.13	129	130698	53.583	ug/l	100
61) 1,2-Dibromoethane	11.24	107	106623	51.274	ug/l	99
64) Tetrachloroethene	10.86	164	138436	57.471	ug/l	98
65) Chlorobenzene	11.66	112	417214	56.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	145234	56.059	ug/l	99
67) Ethyl Benzene	11.73	91	819068	57.821	ug/l	98
68) m/p-Xylenes	11.84	106	593115	115.133	ug/l	99
69) o-Xylene	12.16	106	273500	57.132	ug/l	98
70) Styrene	12.18	104	473716	57.233	ug/l	99
71) Bromoform	12.35	173	73177	55.398	ug/l #	99
73) Isopropylbenzene	12.46	105	775270	59.048	ug/l	100
74) N-amyl acetate	12.27	43	221987	54.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130364	52.786	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	89687m	48.162	ug/l	
77) Bromobenzene	12.75	156	163482	56.334	ug/l	98
78) n-propylbenzene	12.80	91	948573	59.365	ug/l	100
79) 2-Chlorotoluene	12.89	91	526695	57.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	644959	58.602	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44890	55.556	ug/l	98
82) 4-Chlorotoluene	12.99	91	553385	57.296	ug/l	100
83) tert-Butylbenzene	13.21	119	555192	60.324	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	636838	57.441	ug/l	100
85) sec-Butylbenzene	13.38	105	787070	59.934	ug/l	100
86) p-Isopropyltoluene	13.50	119	709668	59.560	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	319146	56.087	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	315242	55.692	ug/l	100
89) n-Butylbenzene	13.82	91	712960	59.960	ug/l	100
90) Hexachloroethane	14.09	117	125529	59.579	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	277267	55.093	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21174	50.278	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	204709	57.715	ug/l	99
94) Hexachlorobutadiene	15.24	225	135374	61.202	ug/l	100
95) Naphthalene	15.36	128	354606	50.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	173803	55.902	ug/l	98

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

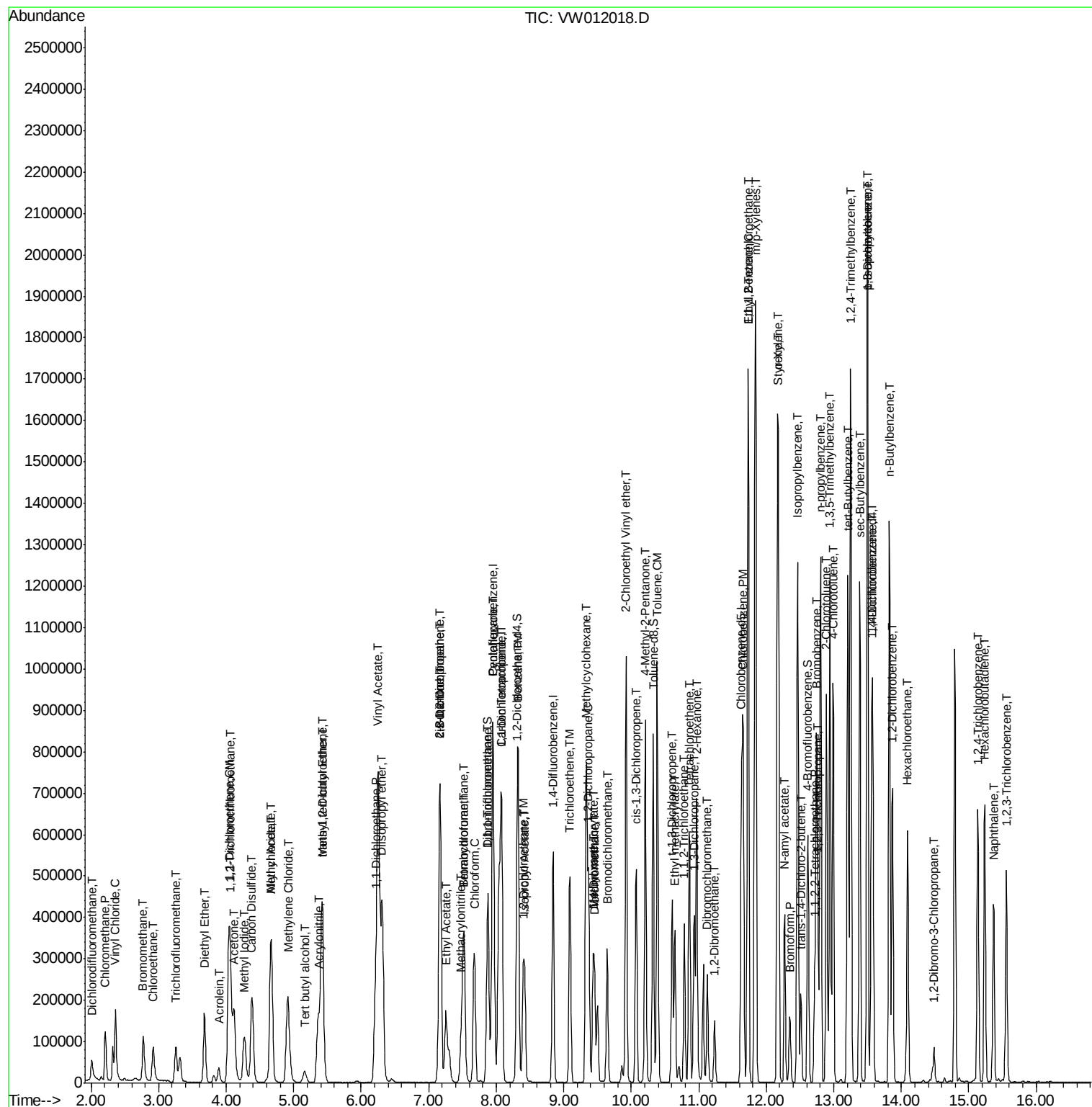
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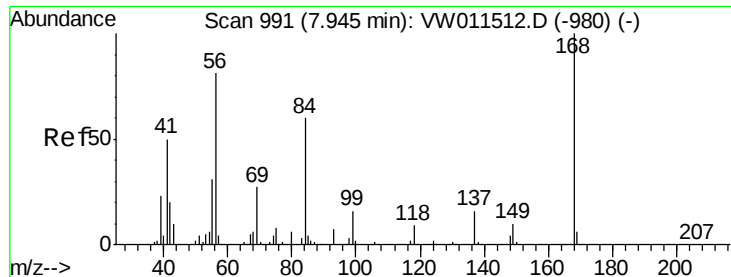
Instrument :
 MSVOA_W
 Client Sampled :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 277237

Ion Ratio Lower Upper

168 100

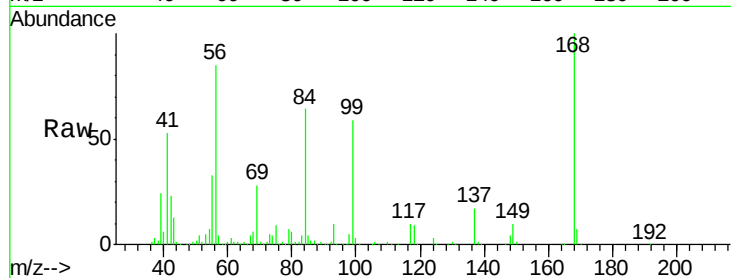
99 59.0 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

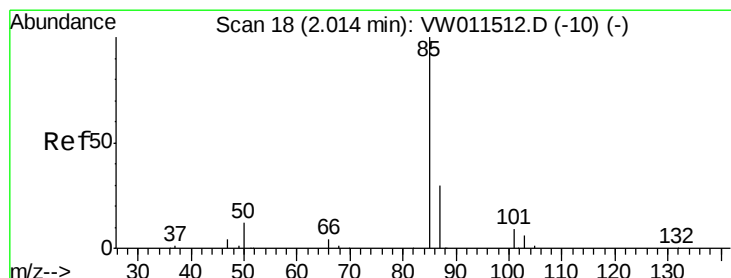
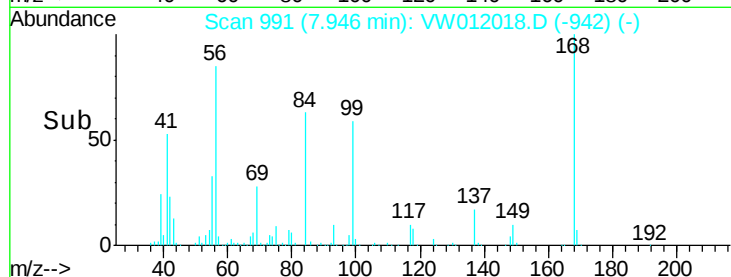
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.878 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012018.D

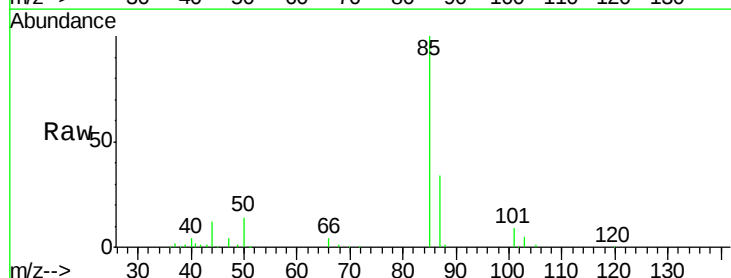
Acq: 20 Aug 2019 09:06

Tgt Ion: 85 Resp: 78611

Ion Ratio Lower Upper

85 100

87 33.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

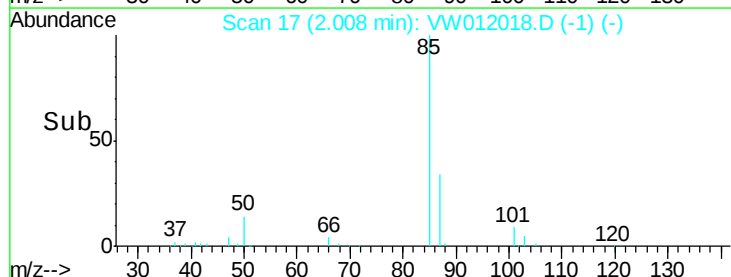
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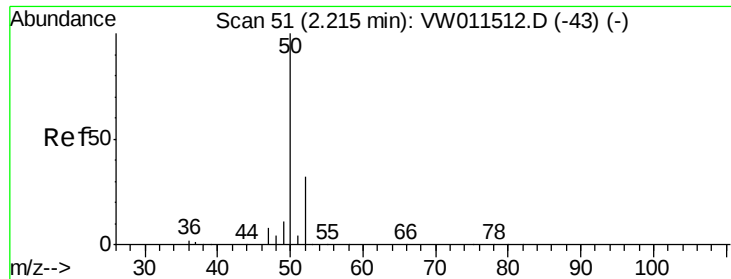
10000

5000

0

Time-->





#3

Chloromethane

Concen: 46.851 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 125522

Ion Ratio Lower Upper

50 100

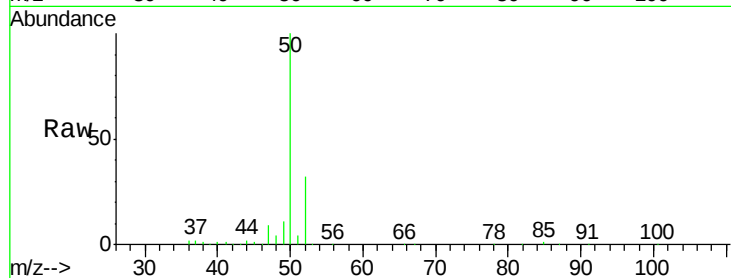
52 32.4 25.4 38.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

80000

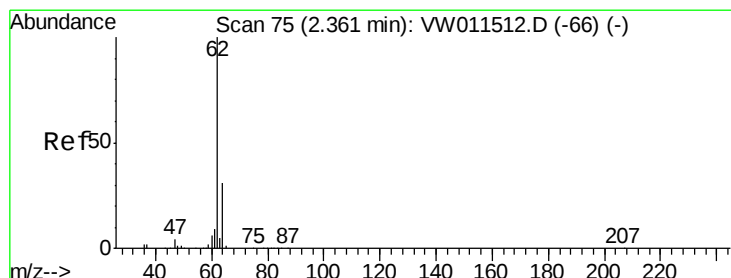
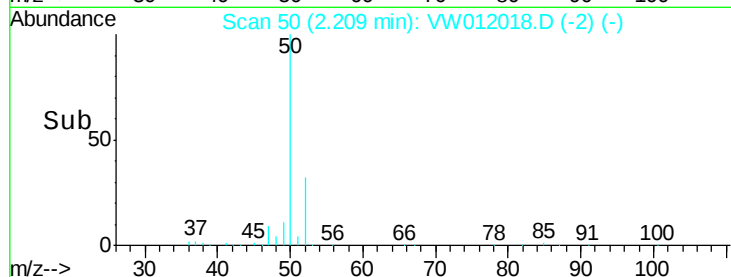
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 53.148 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW012018.D

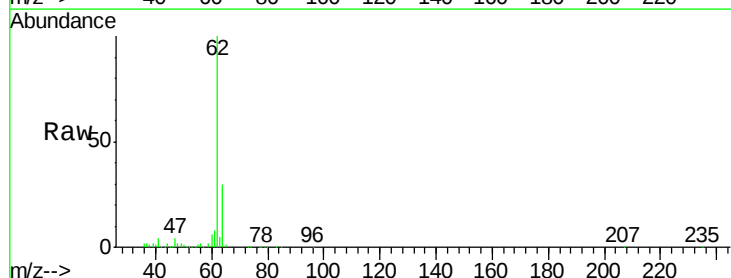
Acq: 20 Aug 2019 09:06

Tgt Ion: 62 Resp: 171432

Ion Ratio Lower Upper

62 100

64 30.3 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

100000

80000

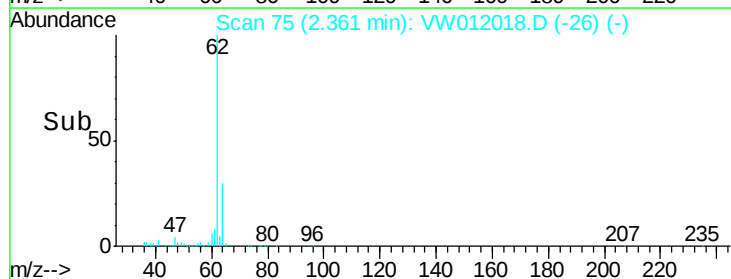
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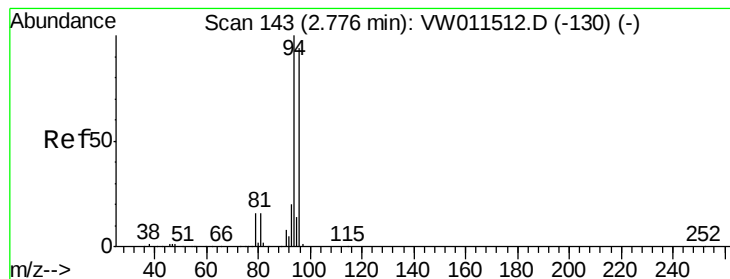
40000

20000

0

Time--> 2.30 2.40 2.50





#5

Bromomethane

Concen: 50.474 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 90116

Ion Ratio Lower Upper

94 100

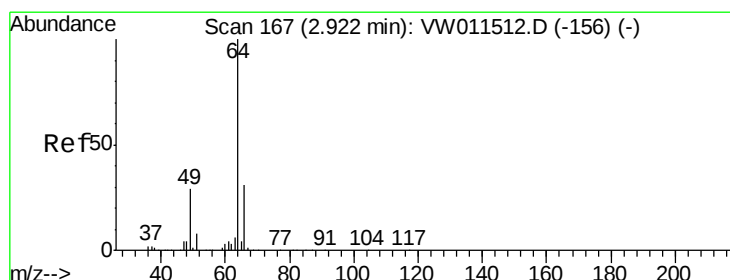
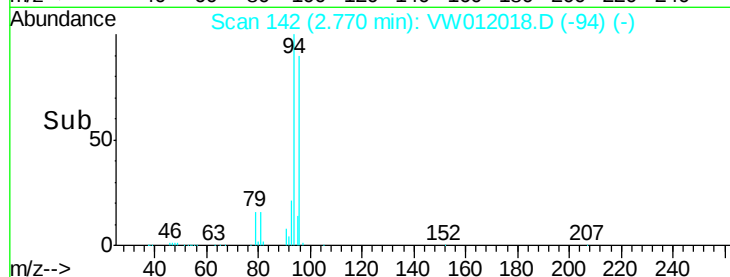
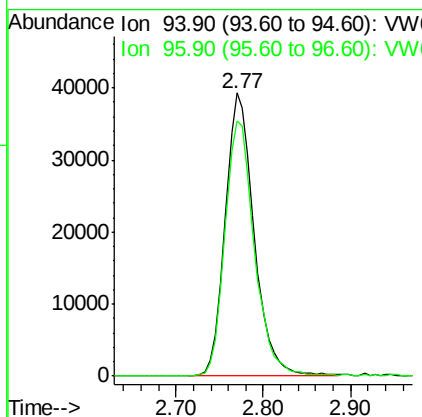
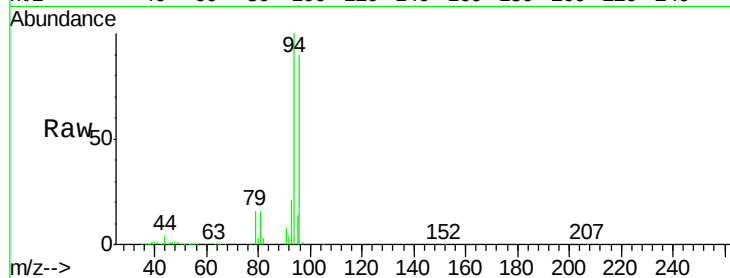
96 90.0 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 54.751 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW012018.D

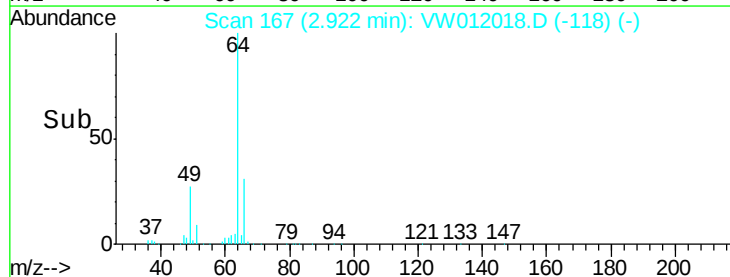
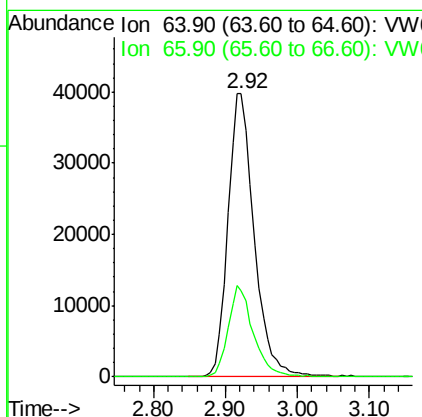
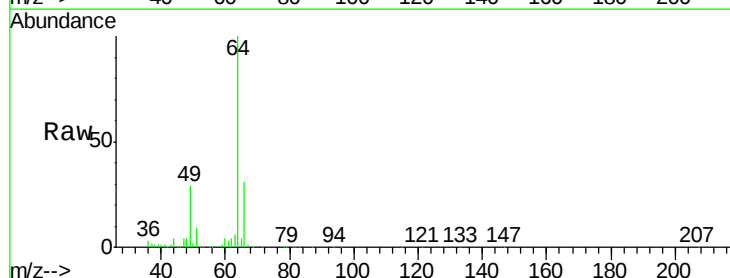
Acq: 20 Aug 2019 09:06

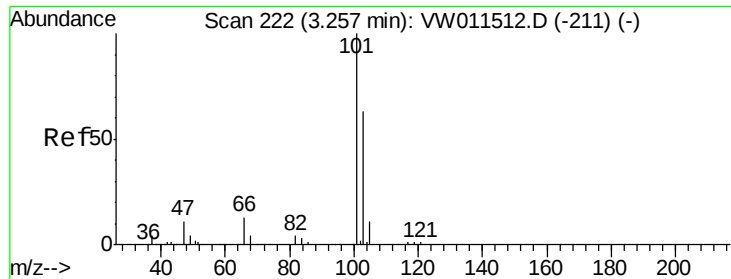
Tgt Ion: 64 Resp: 100879

Ion Ratio Lower Upper

64 100

66 30.6 24.6 36.8





#7

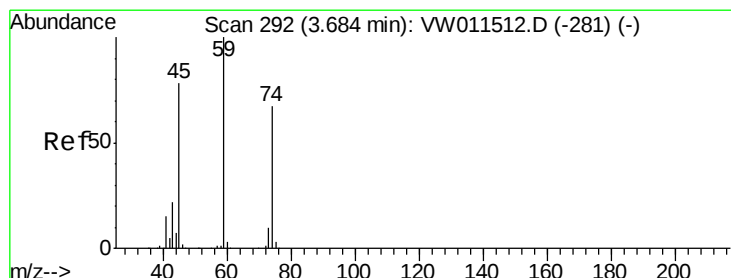
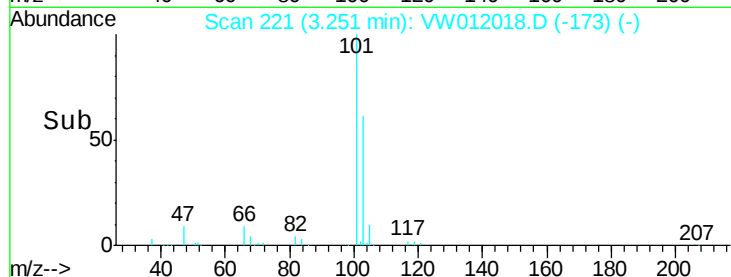
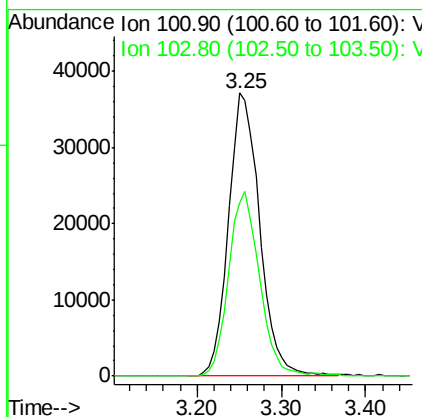
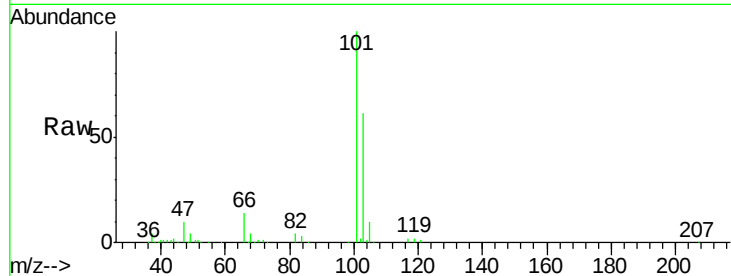
Trichlorofluoromethane
 Concen: 64.847 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	50.2	75.4

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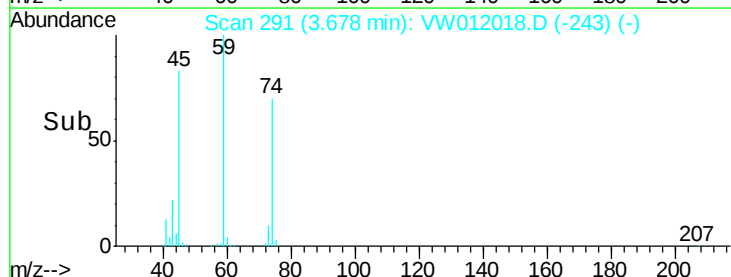
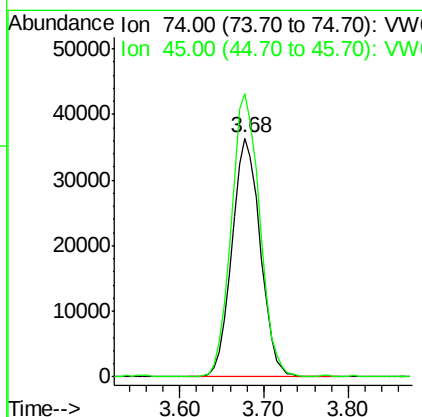
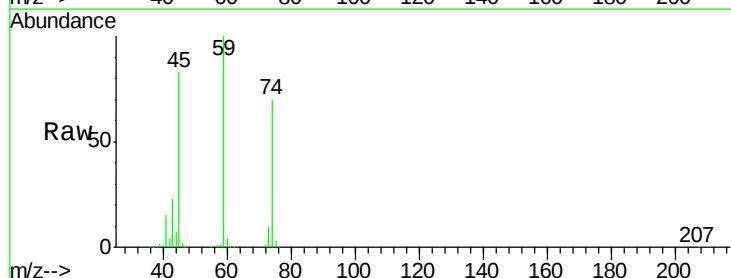
MMDadoda
 8/21/2019 8:28:43 AM

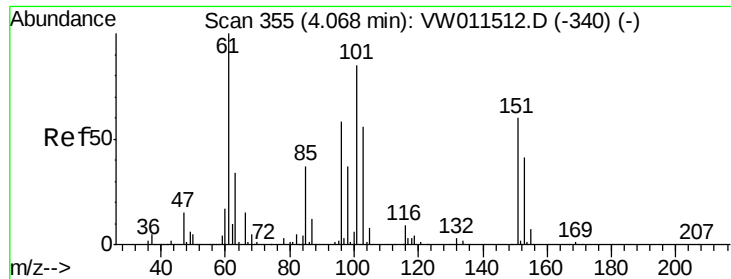


#8

Diethyl Ether
 Concen: 50.440 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.6	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.265 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

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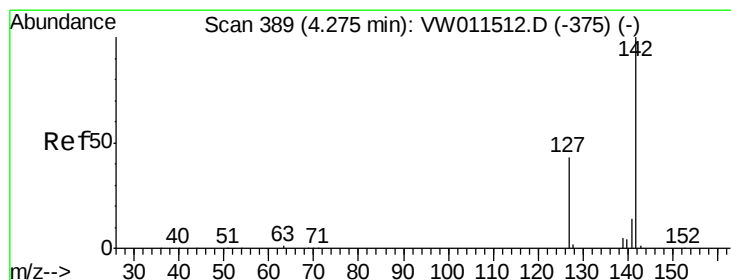
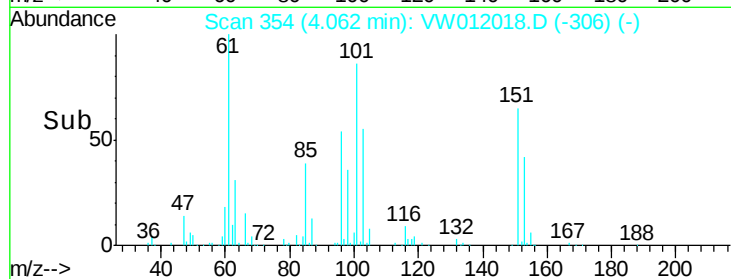
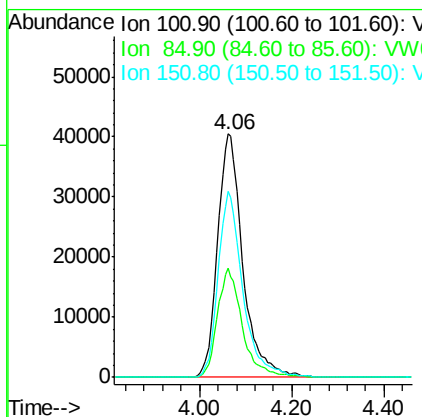
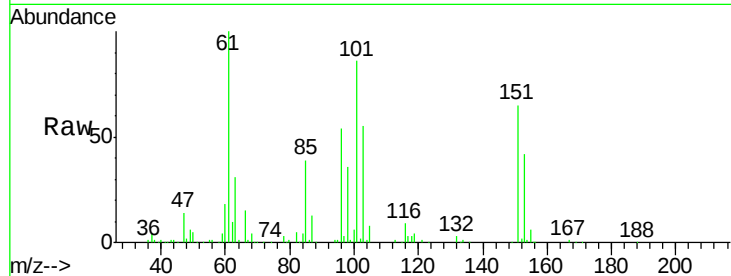
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	153862
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.6	54.8
151	74.8	60.2	90.2

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#10

Methyl Iodide

Concen: 54.175 ug/l

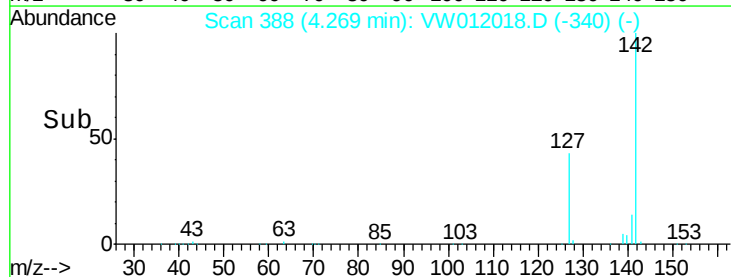
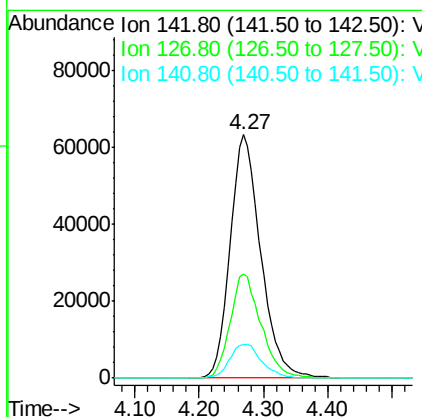
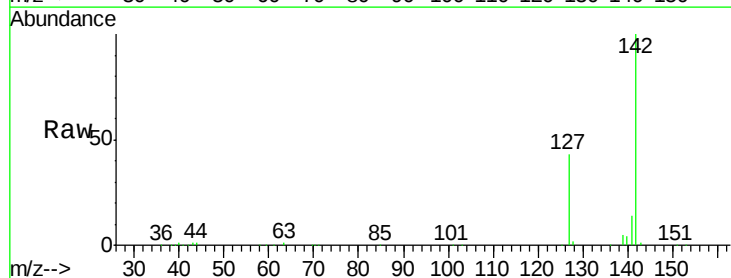
RT: 4.27 min Scan# 388

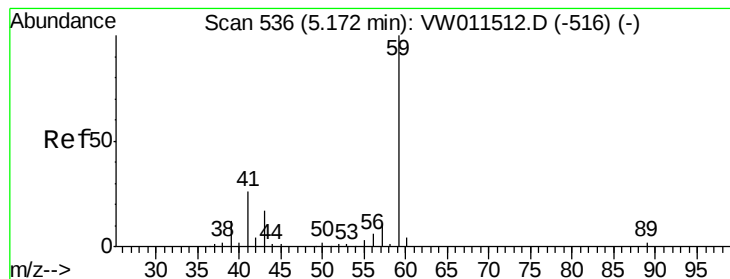
Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion:	142	Resp:	209358
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.0	52.6
141	14.6	11.9	17.9





#11

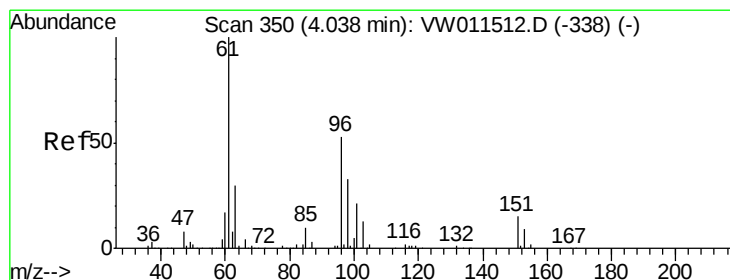
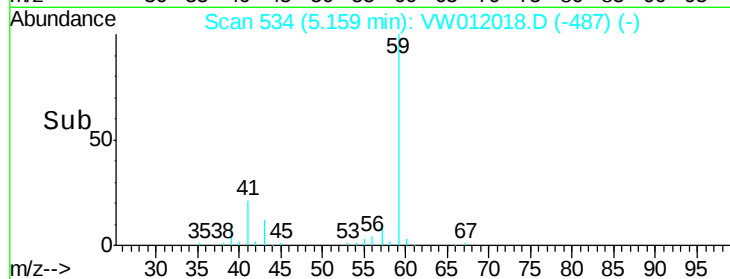
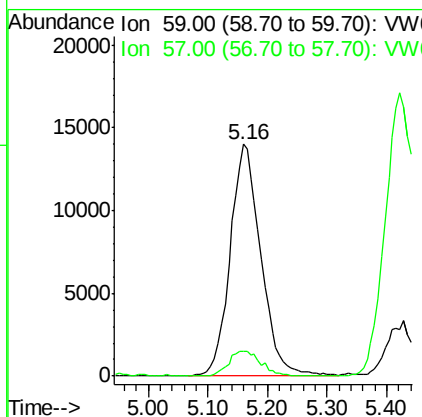
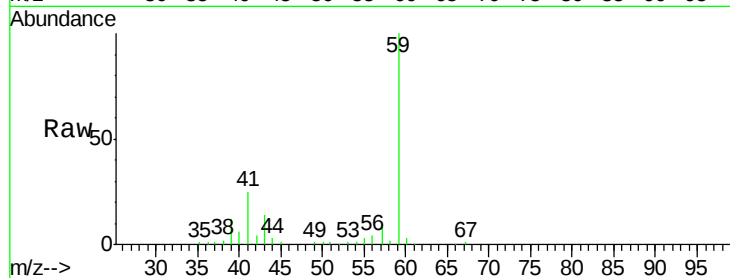
Tert butyl alcohol
 Concen: 210.402 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.5	12.7

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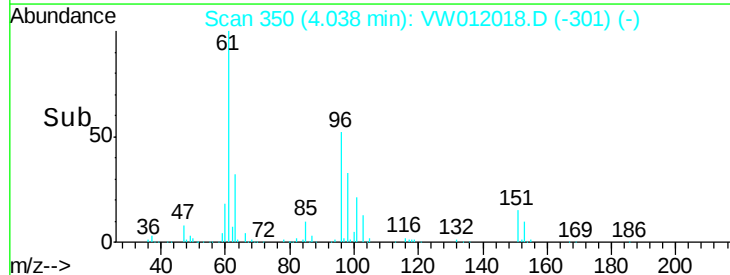
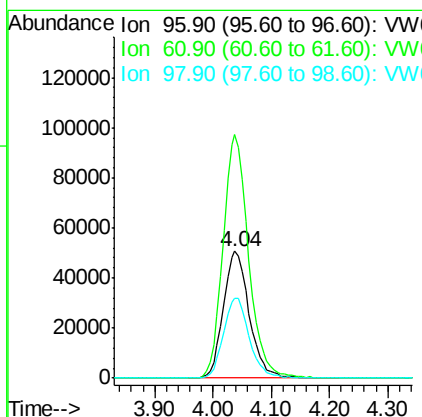
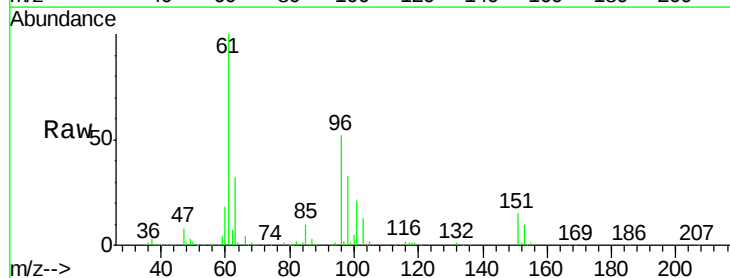
MMDadoda
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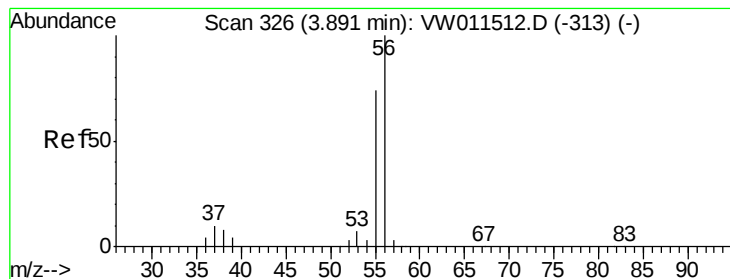


#12

1,1-Dichloroethene
 Concen: 54.413 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.7	149.9	224.9
98	62.7	49.1	73.7





#13

Acrolein

Concen: 182.846 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 41766

Ion Ratio Lower Upper

56 100

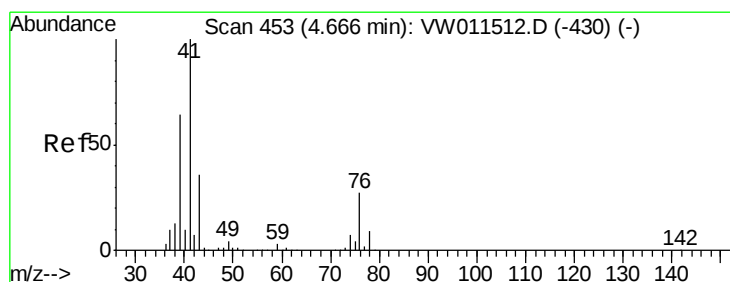
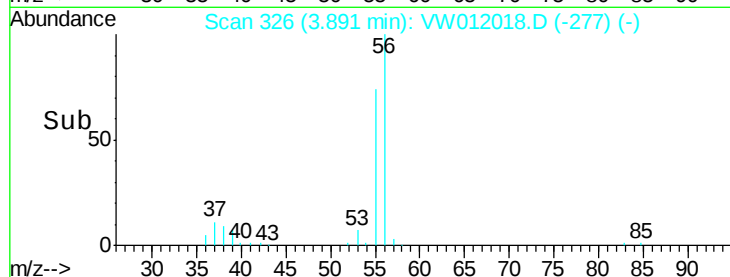
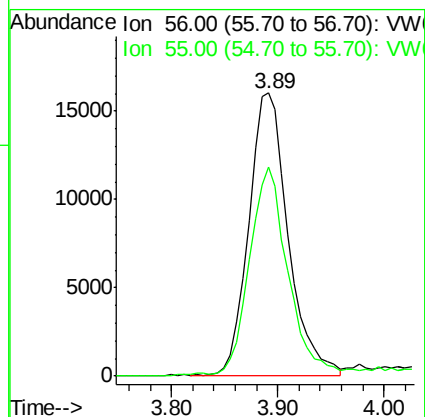
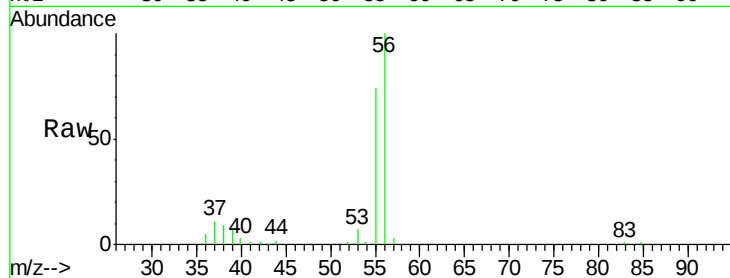
55 73.2 56.0 84.0

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#14

Allyl chloride

Concen: 55.243 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

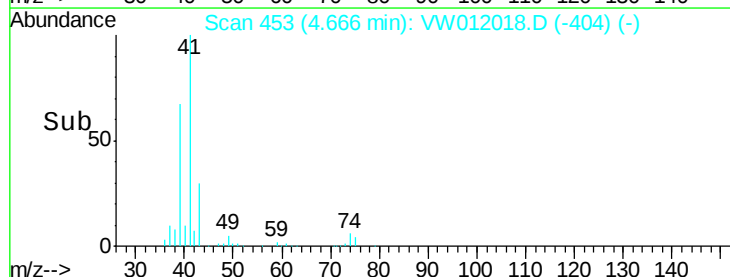
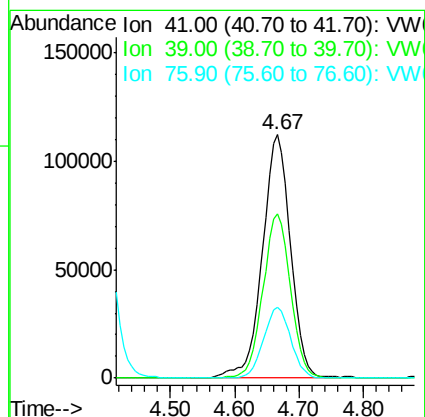
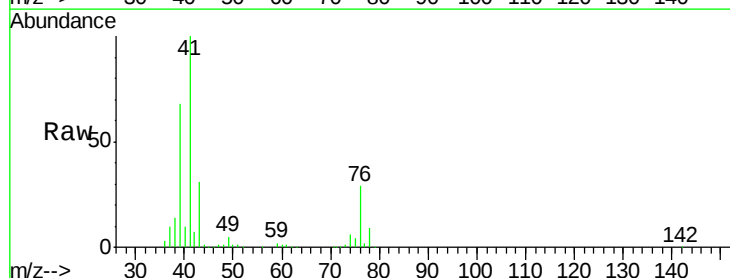
Tgt Ion: 41 Resp: 339249

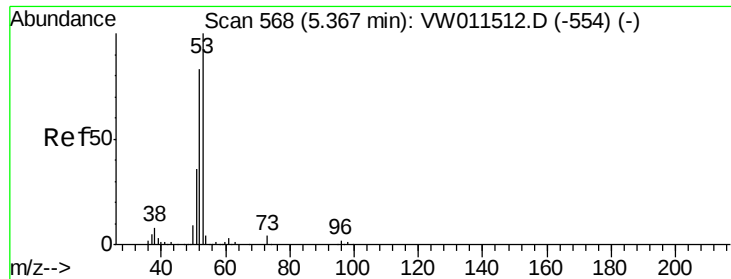
Ion Ratio Lower Upper

41 100

39 66.7 52.6 78.8

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 240.759 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

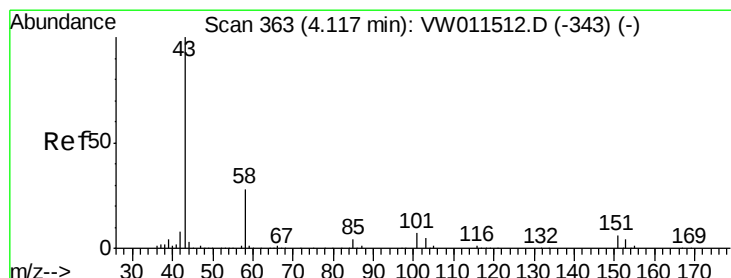
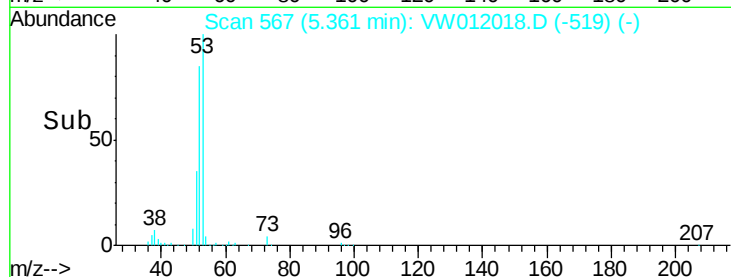
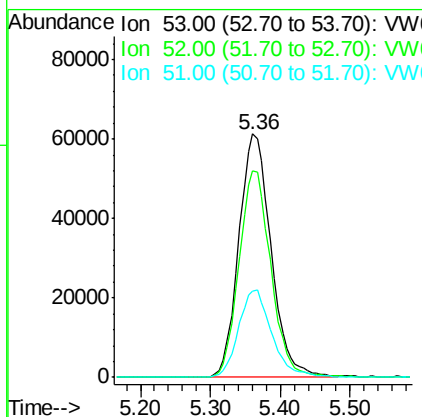
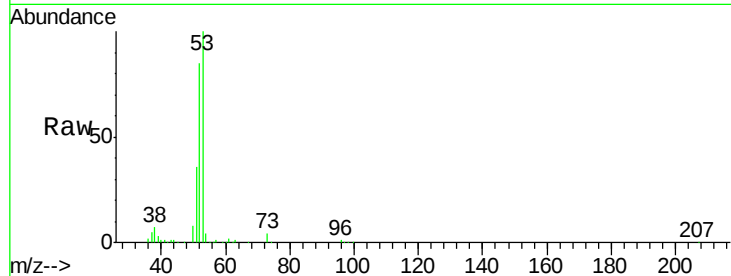
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	196435
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.2	100.8
51	37.0	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 246.157 ug/l

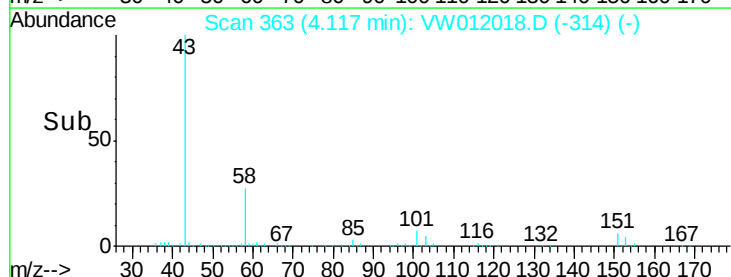
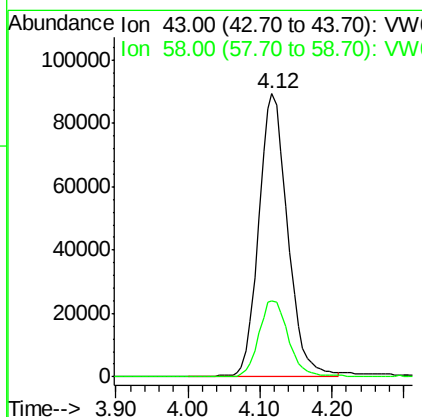
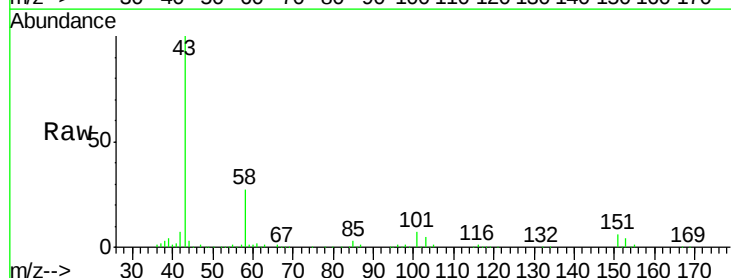
RT: 4.12 min Scan# 363

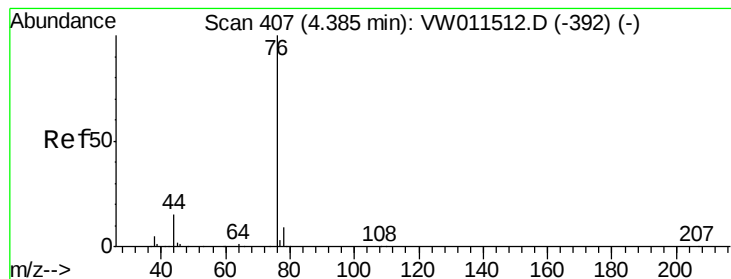
Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion	43	Resp	249271
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.3	33.5





#17

Carbon Disulfide

Concen: 50.780 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 458892

Ion Ratio Lower Upper

76 100

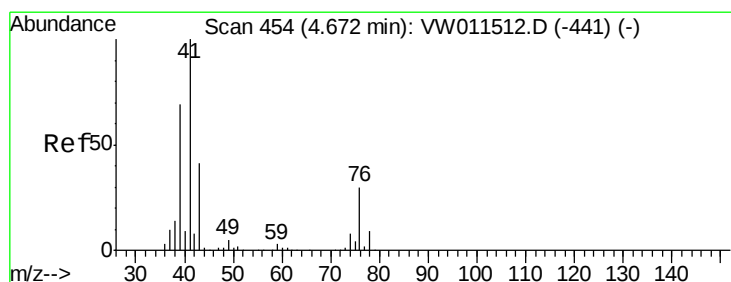
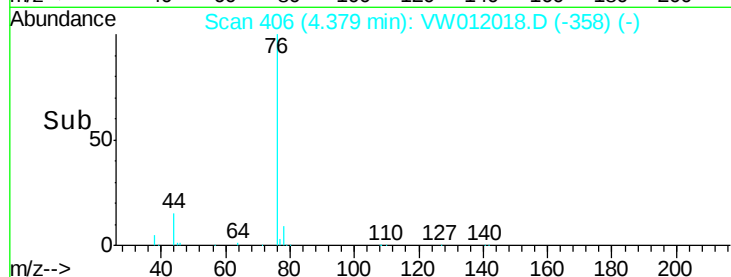
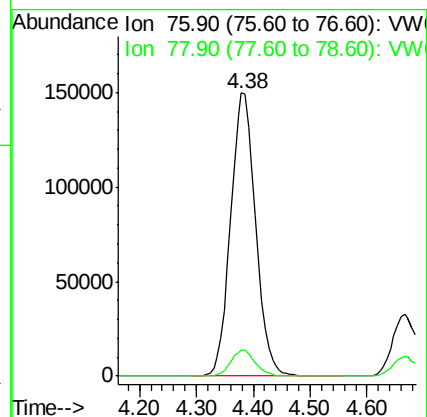
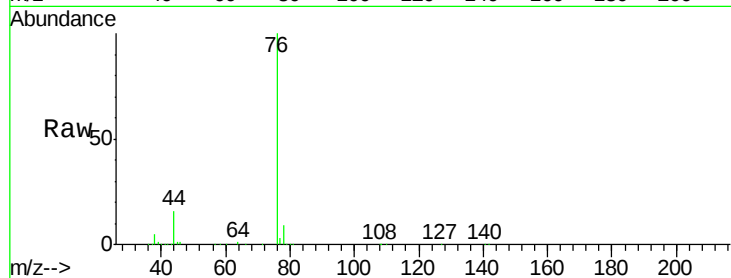
78 9.2 7.1 10.7

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#18

Methyl Acetate

Concen: 45.213 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012018.D

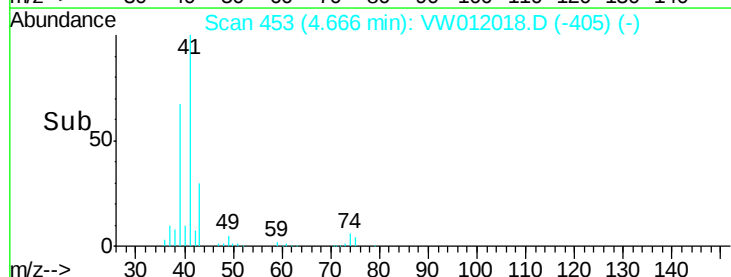
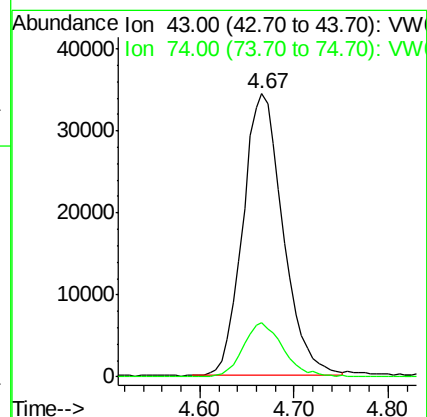
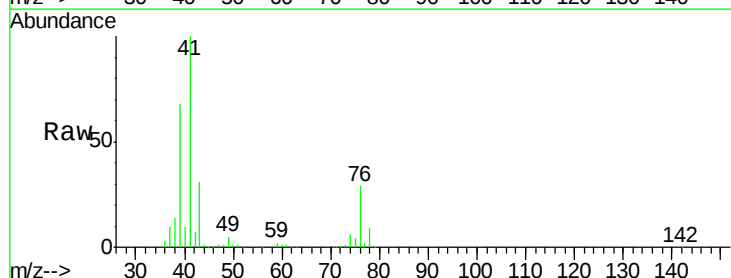
Acq: 20 Aug 2019 09:06

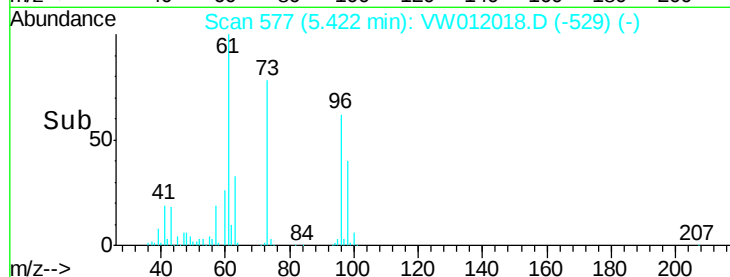
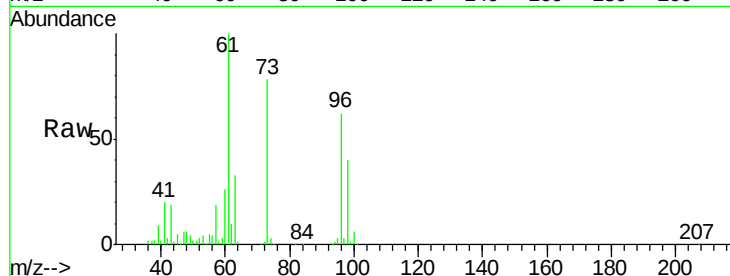
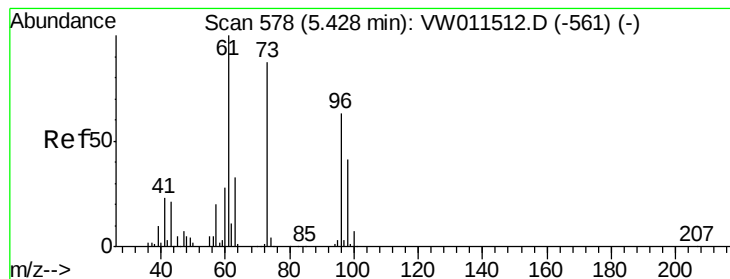
Tgt Ion: 43 Resp: 102856

Ion Ratio Lower Upper

43 100

74 19.0 15.9 23.9





#19

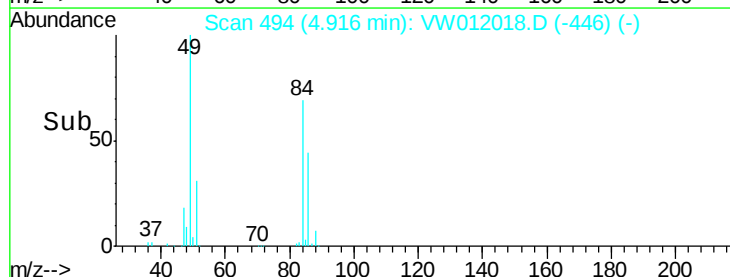
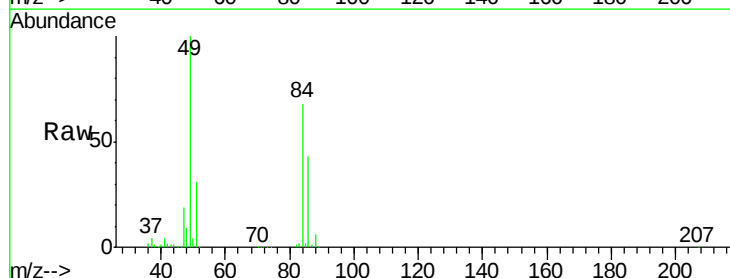
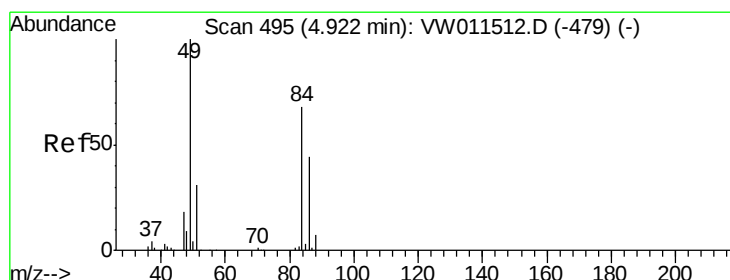
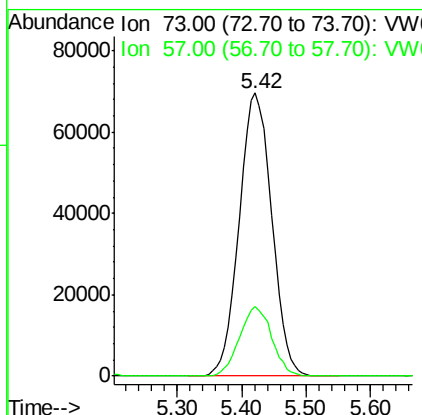
Methyl tert-butyl Ether
 Concen: 52.945 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	18.4	27.6

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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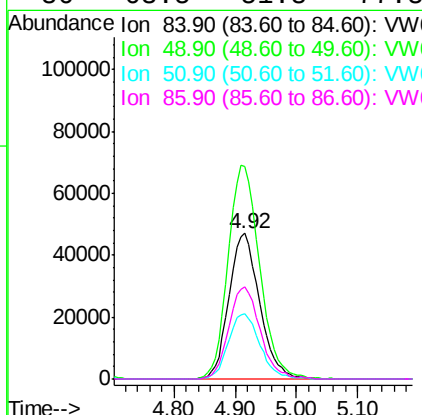
MMDadoda
 8/21/2019 8:28:43 AM

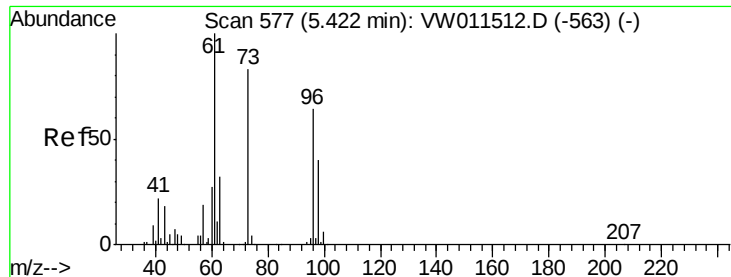


#20

Methylene Chloride
 Concen: 46.802 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.0	117.8	176.6
51	44.8	37.0	55.4
86	63.5	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 53.719 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

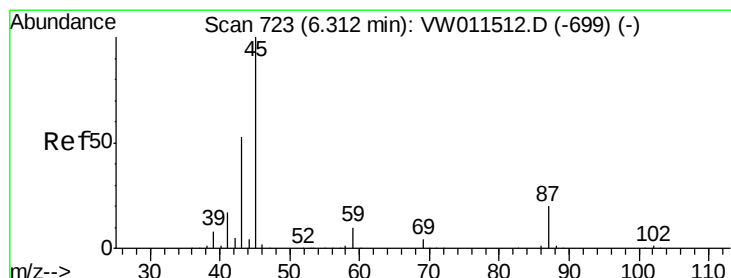
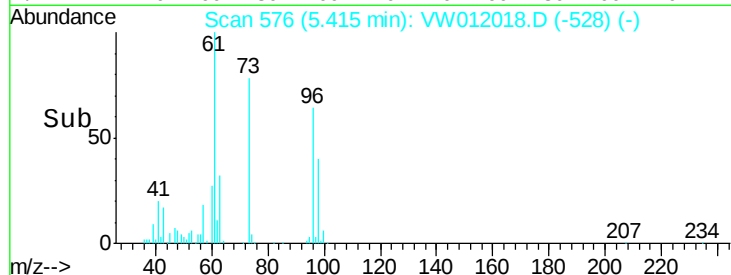
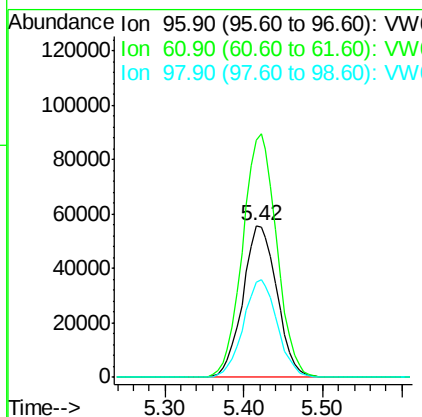
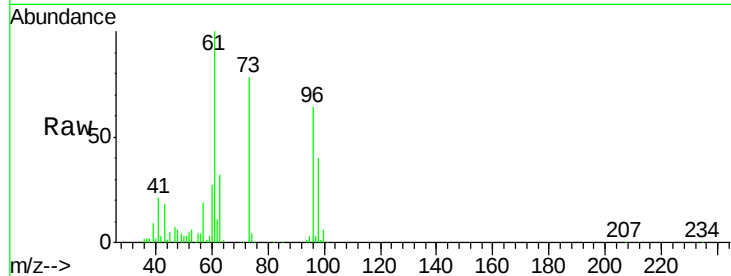
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	167220
Ion	Ratio	Lower	Upper
96	100		
61	156.3	125.7	188.5
98	62.9	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.471 ug/l

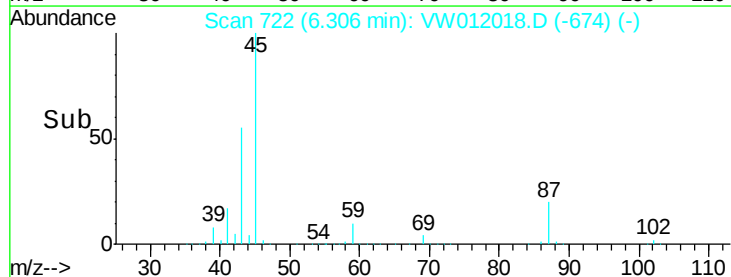
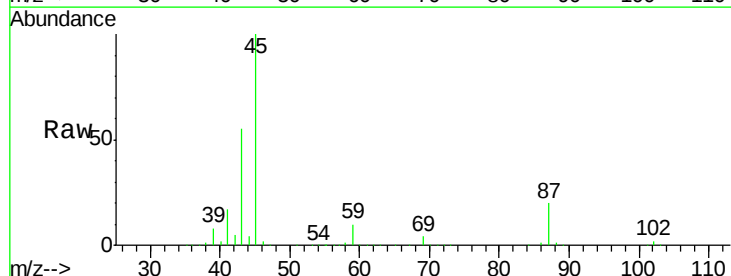
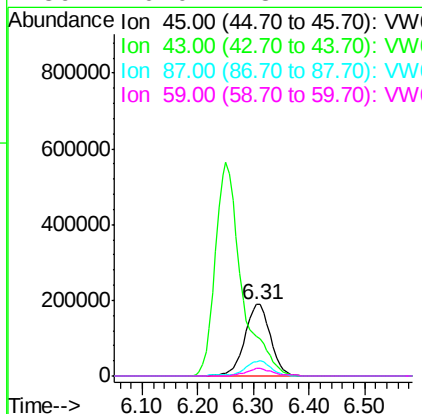
RT: 6.31 min Scan# 722

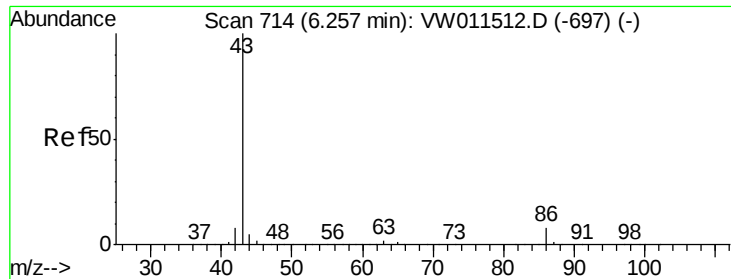
Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion:	45	Resp:	607515
Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.6	63.8
87	20.1	16.4	24.6
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 254.496 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1851494

Ion Ratio Lower Upper

43 100

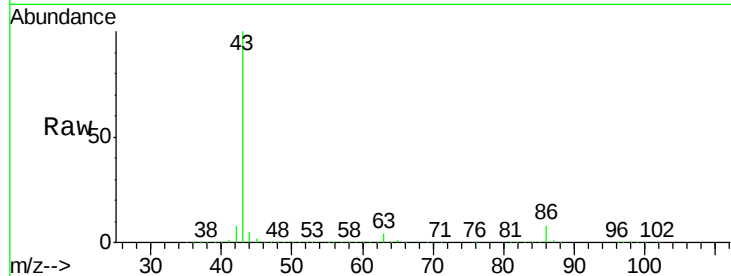
86 8.2 6.5 9.7

Manual Integrations

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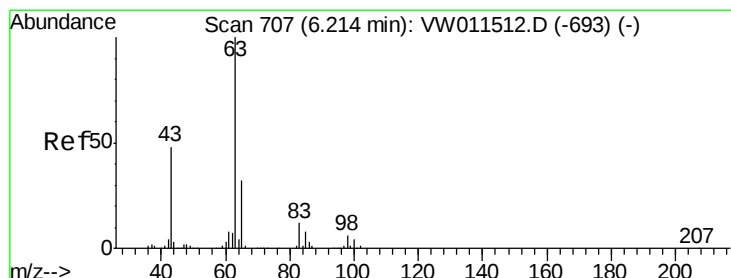
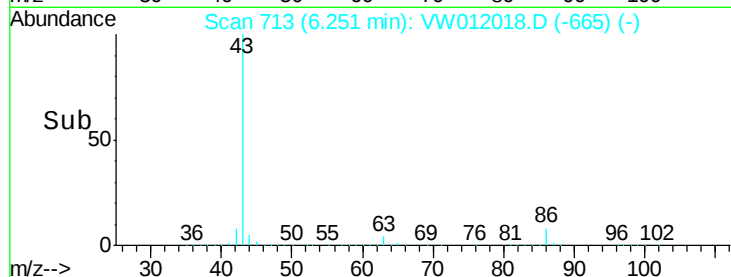
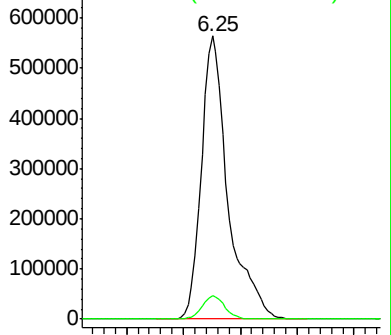
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.670 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

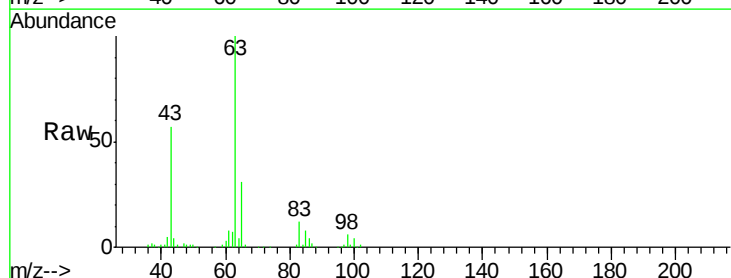
Tgt Ion: 63 Resp: 332798

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

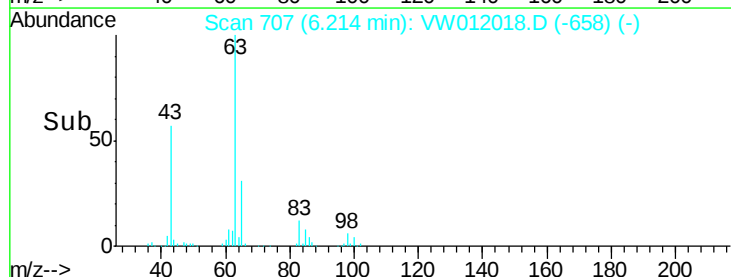
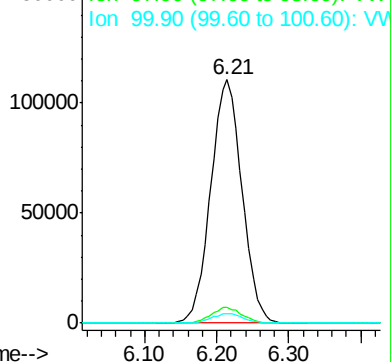
100 3.9 2.1 6.3

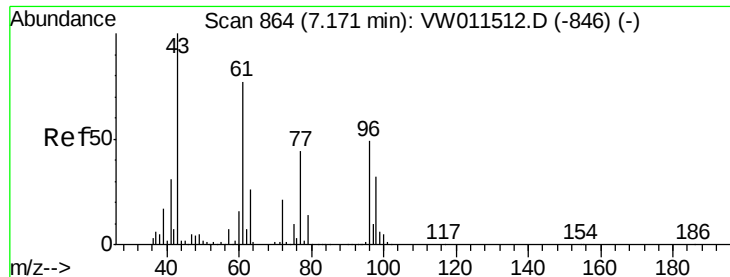


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 237.835 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 315151

Ion Ratio Lower Upper

43 100

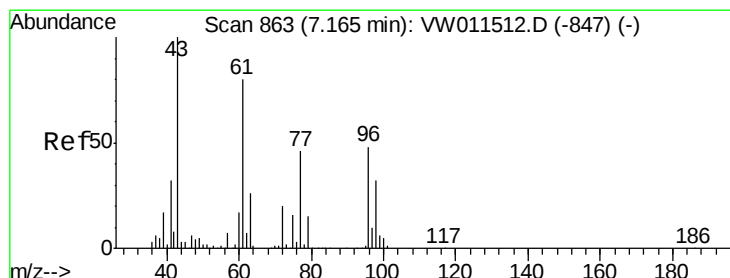
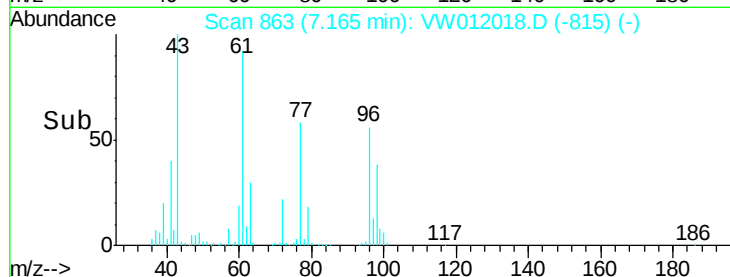
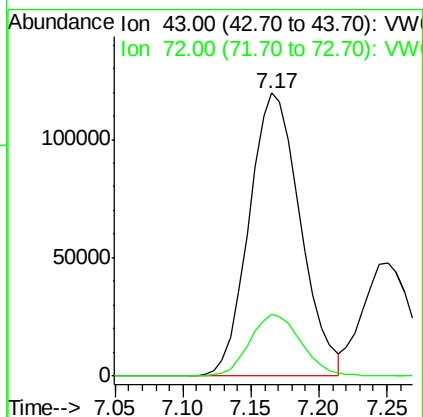
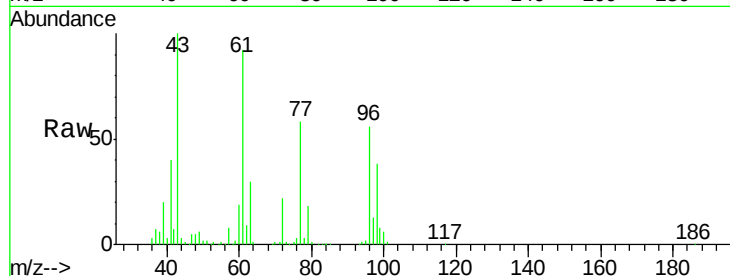
72 21.8 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.951 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012018.D

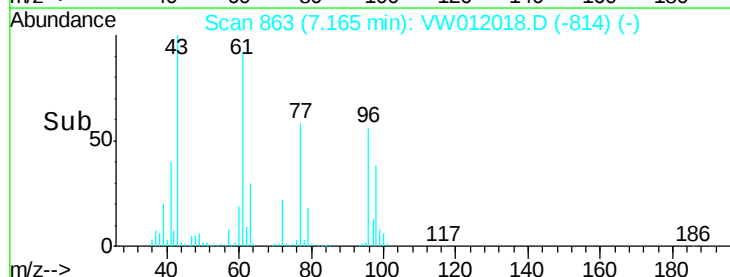
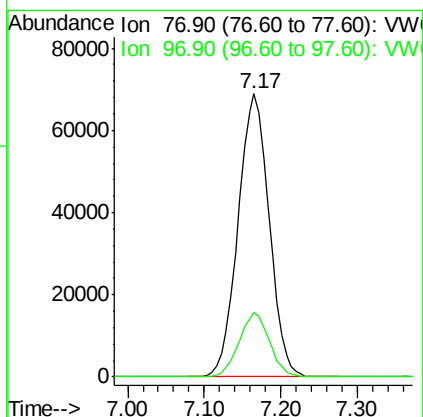
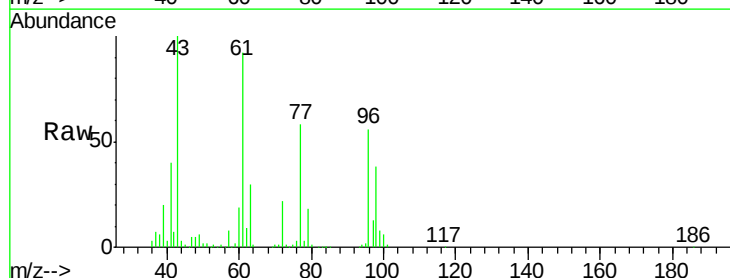
Acq: 20 Aug 2019 09:06

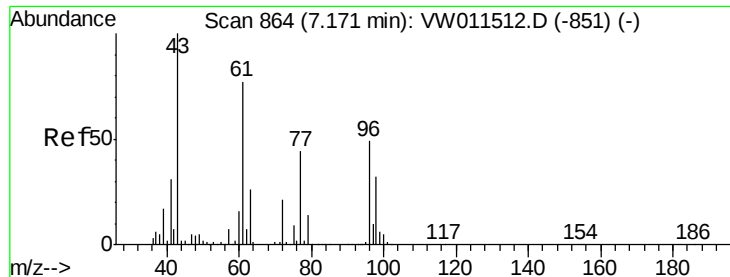
Tgt Ion: 77 Resp: 194298

Ion Ratio Lower Upper

77 100

97 22.3 10.8 32.4





#27

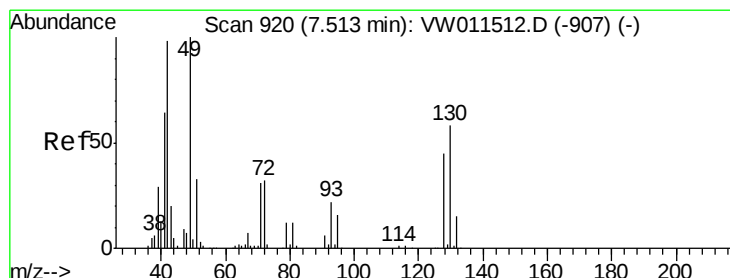
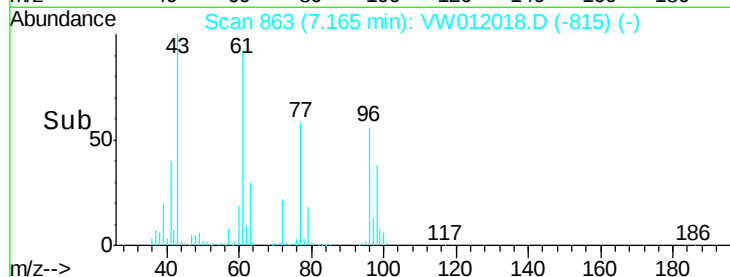
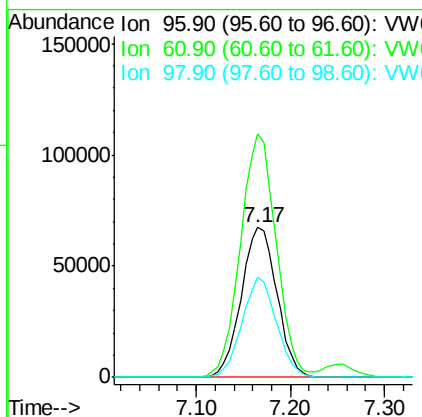
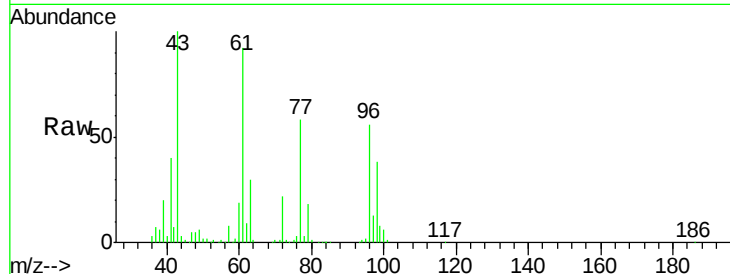
cis-1,2-Dichloroethene
Concen: 52.364 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	179397		
61	162.8	0.0	328.4	
98	64.3	0.0	128.8	

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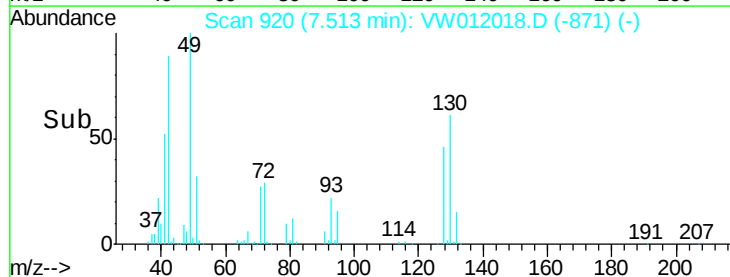
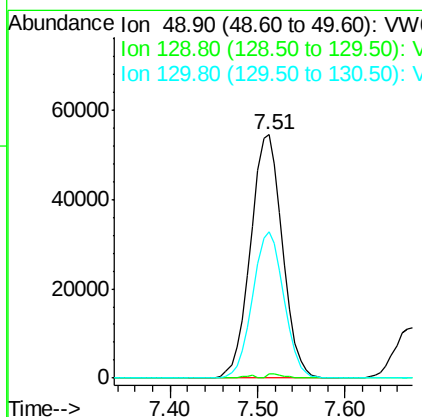
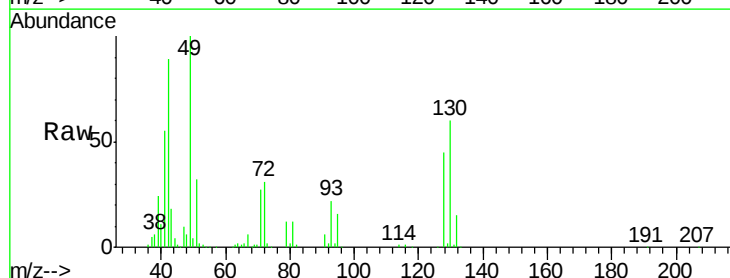
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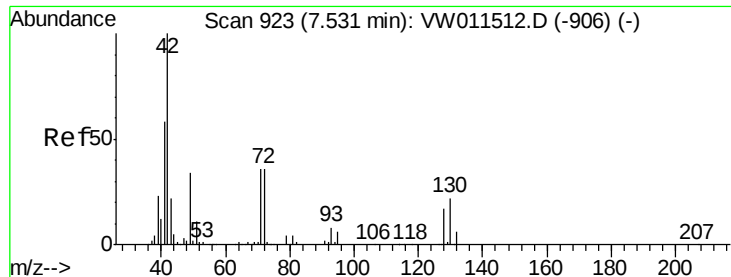


#28

Bromochloromethane
Concen: 50.114 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137931		
129	1.0	0.0	1.0	
130	59.2	46.3	69.5	





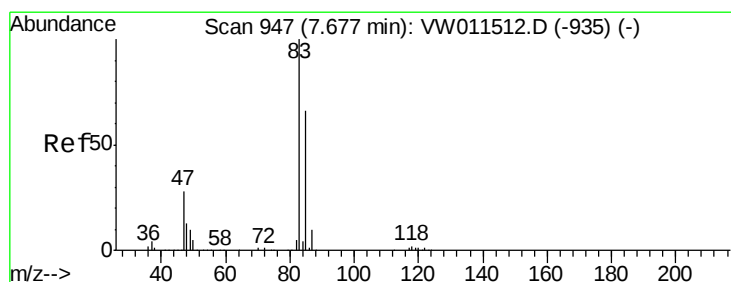
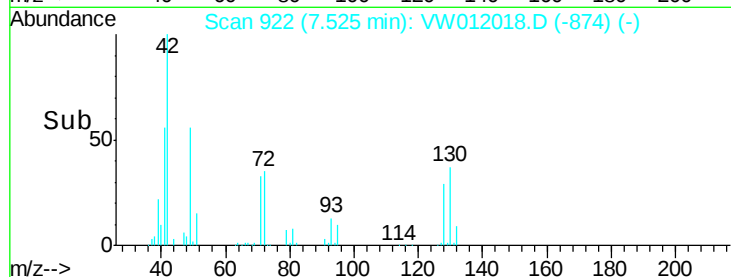
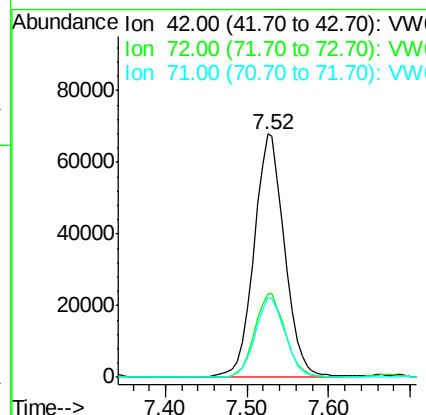
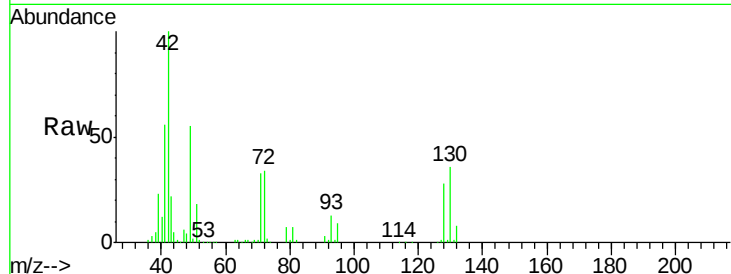
#29
Tetrahydrofuran
Concen: 233.772 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.1	40.7
71	32.6	26.2	39.4

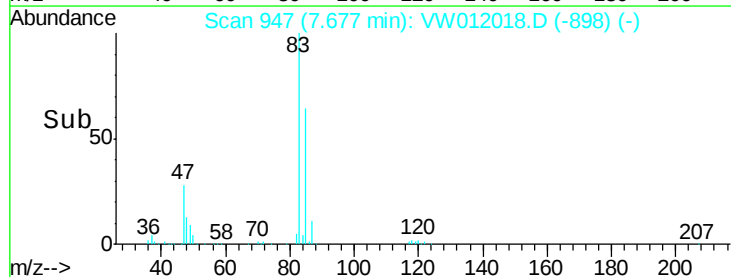
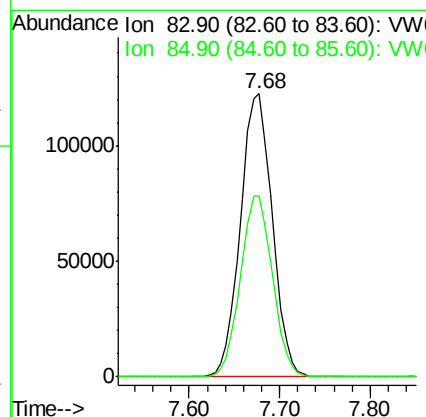
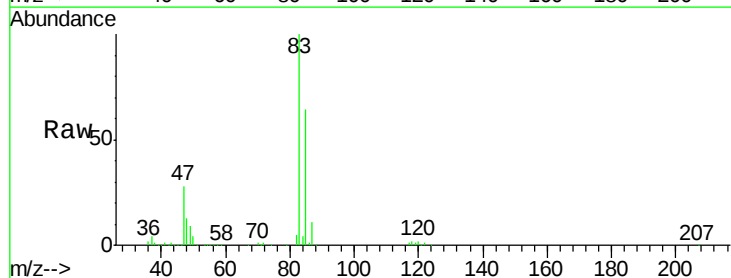
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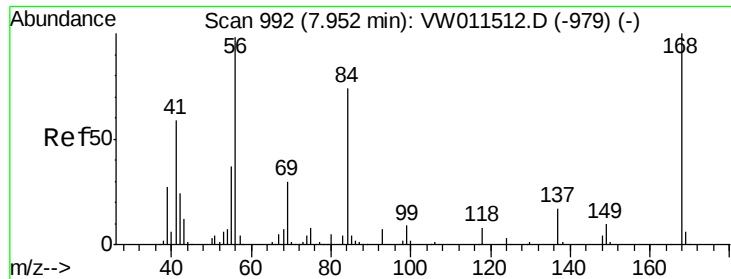
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#30
Chloroform
Concen: 52.154 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7





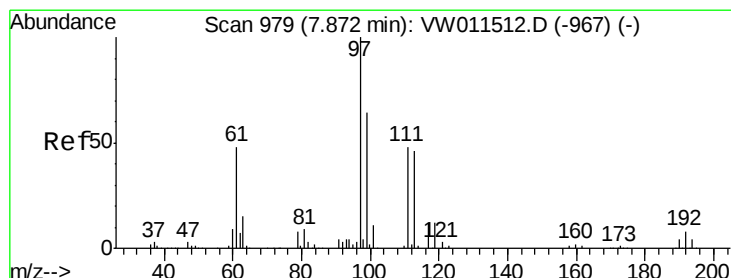
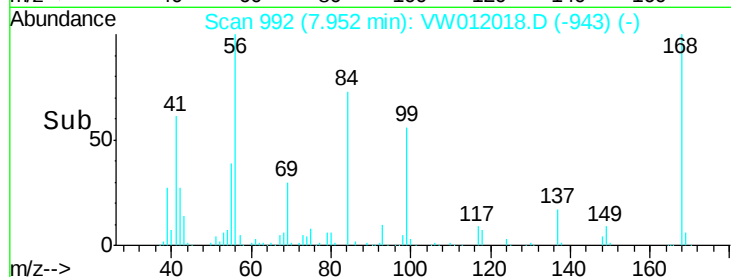
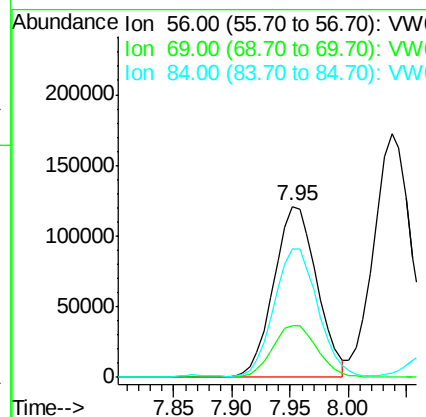
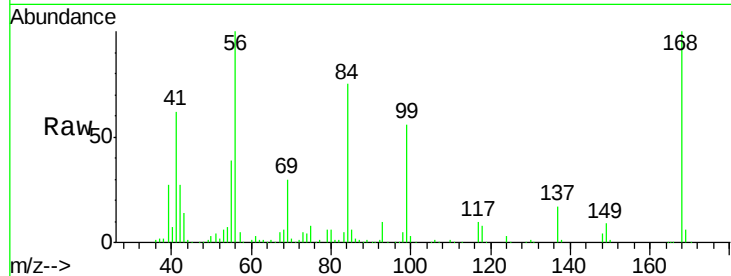
#31
Cyclohexane
Concen: 52.138 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	56	Resp:	310341
Ion Ratio	Lower	Upper	
56	100		
69	30.3	24.3	36.5
84	73.4	60.4	90.6

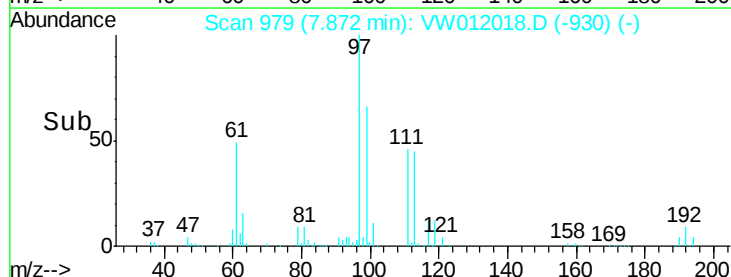
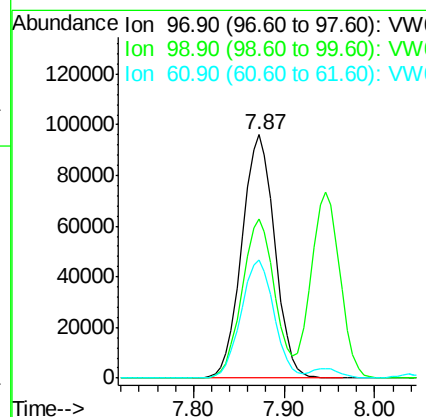
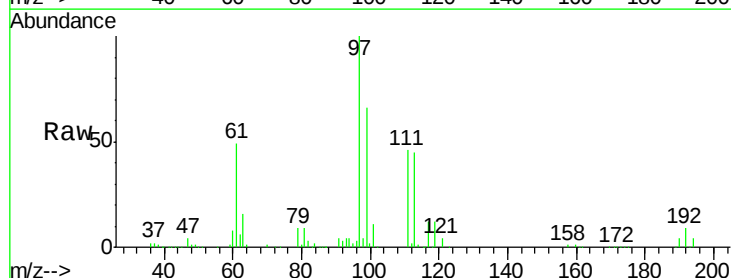
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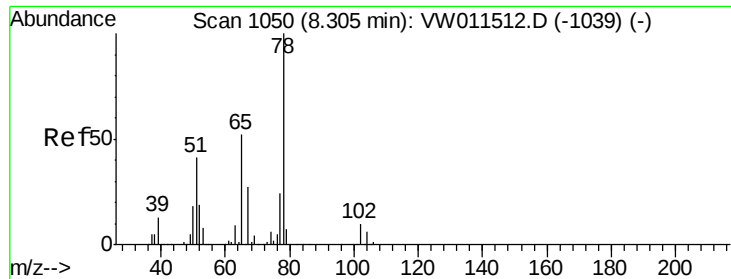
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#32
1,1,1-Trichloroethane
Concen: 55.362 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion:	97	Resp:	241194
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.0	76.6
61	49.0	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 48.283 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 153708

Ion Ratio Lower Upper

65 100

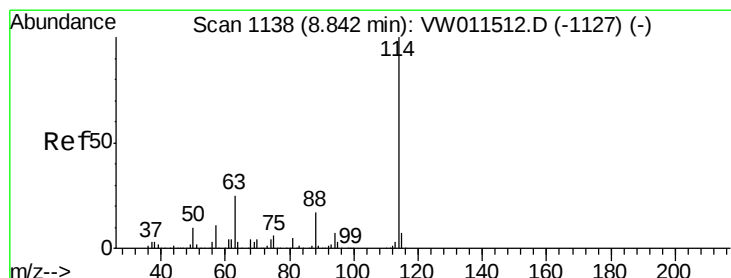
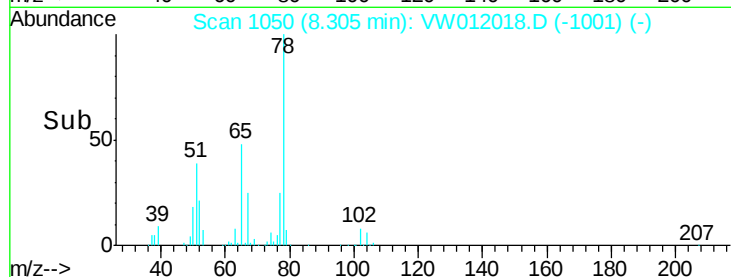
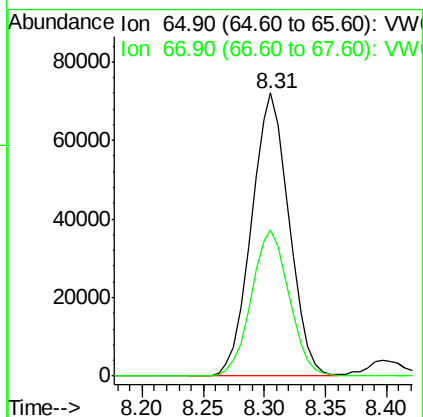
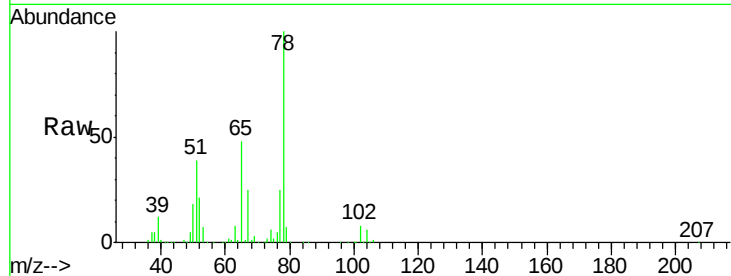
67 51.9 0.0 105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

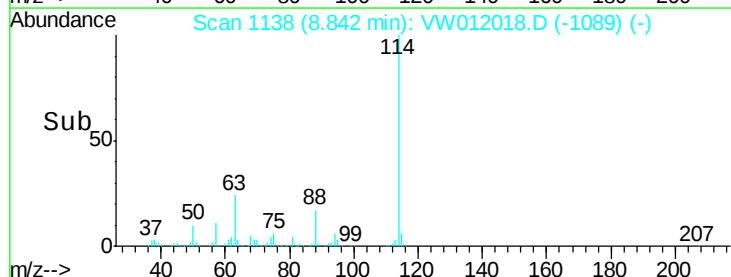
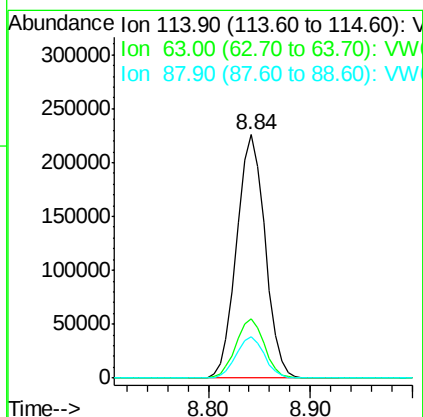
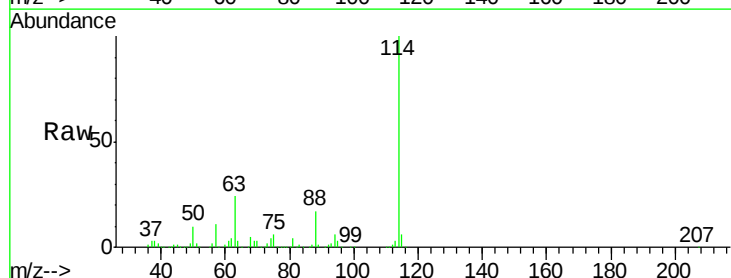
Tgt Ion: 114 Resp: 435408

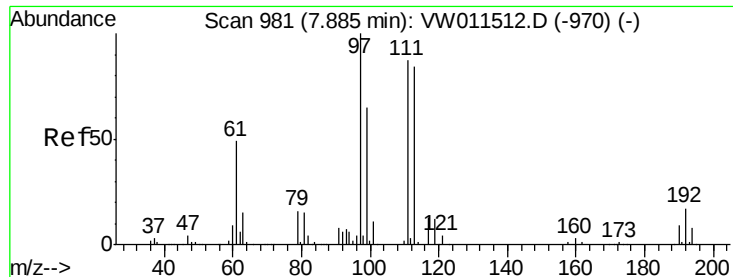
Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.2

88 17.2 0.0 33.8





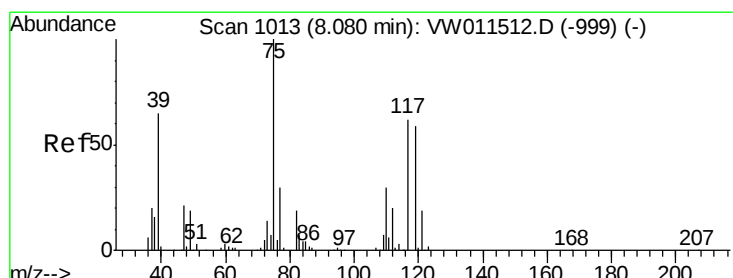
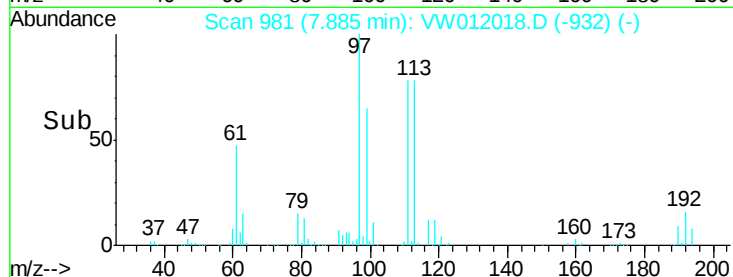
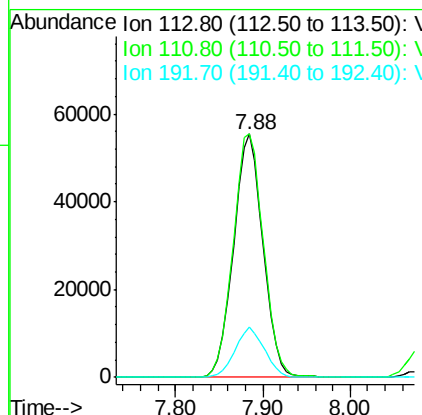
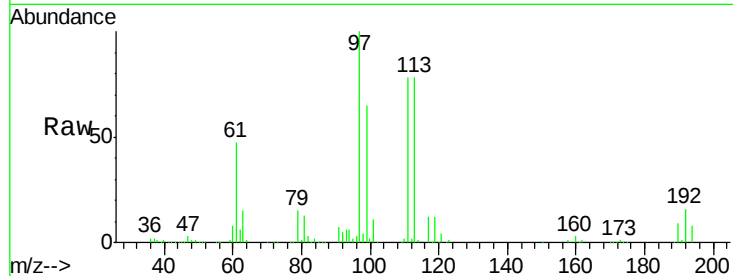
#35
 Dibromofluoromethane
 Concen: 52.874 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129156		
111	103.6	82.7	124.1	
192	20.6	16.1	24.1	

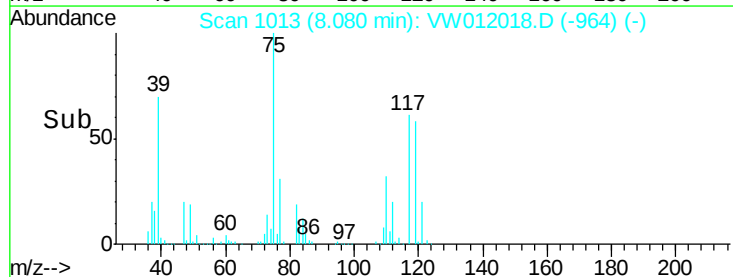
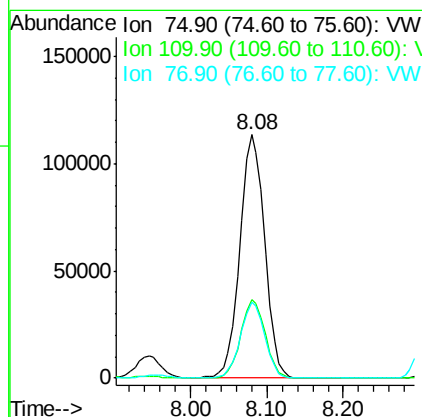
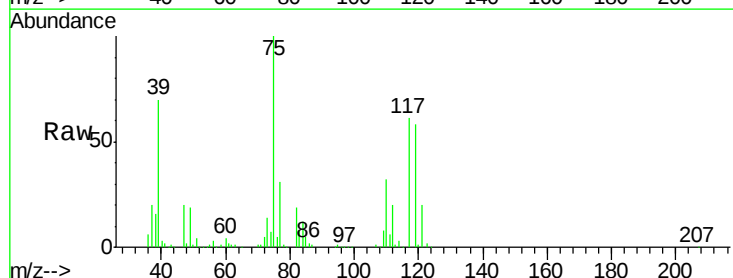
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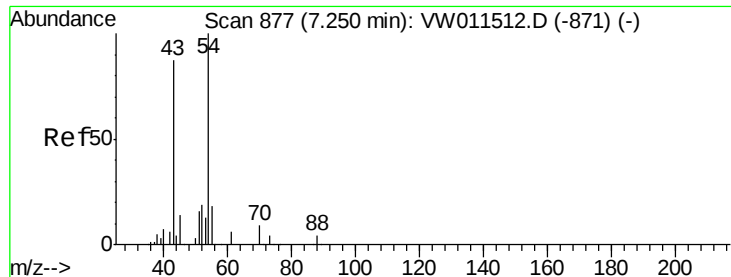
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#36
 1,1-Dichloropropene
 Concen: 56.287 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	254838		
110	31.8	15.6	46.8	
77	30.9	24.3	36.5	





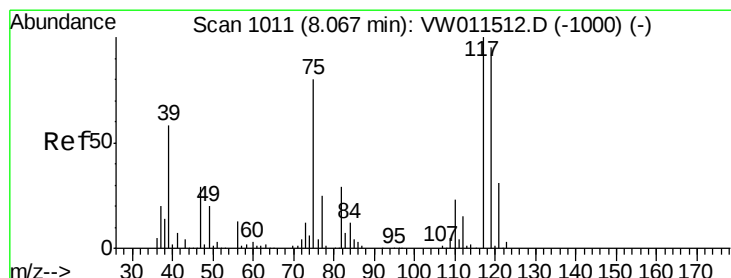
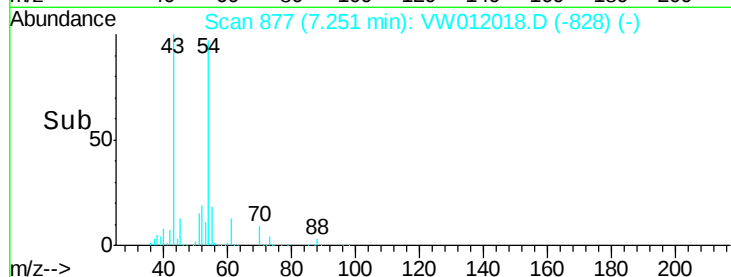
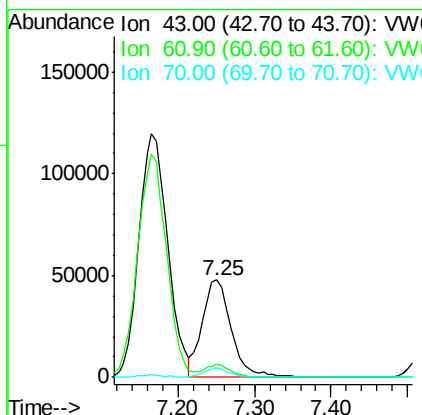
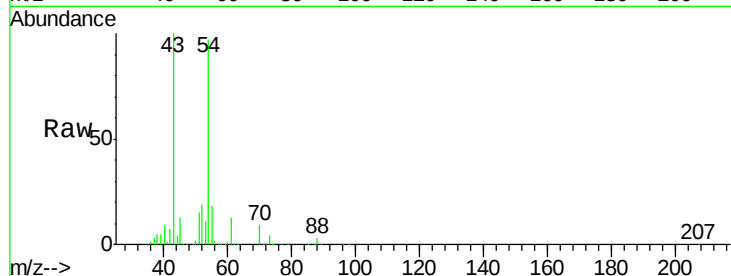
#37
Ethyl Acetate
Concen: 48.020 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.3	8.8	13.2
70	8.5	7.1	10.7

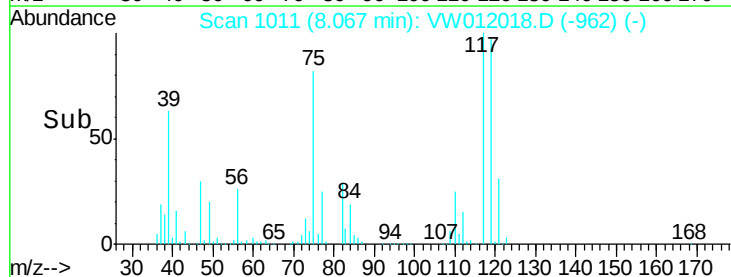
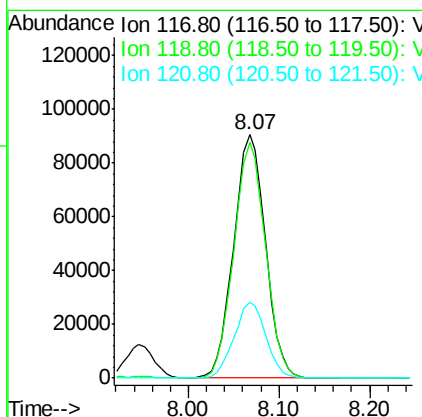
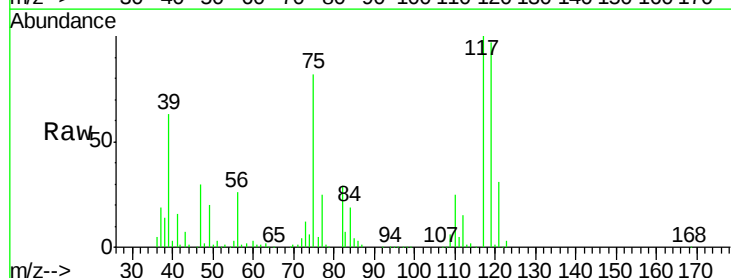
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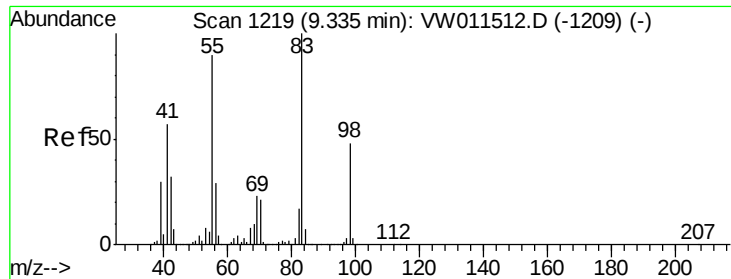
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#38
Carbon Tetrachloride
Concen: 56.983 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.8	113.6
121	31.2	24.7	37.1





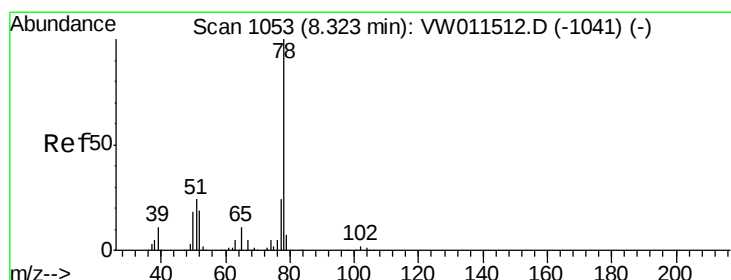
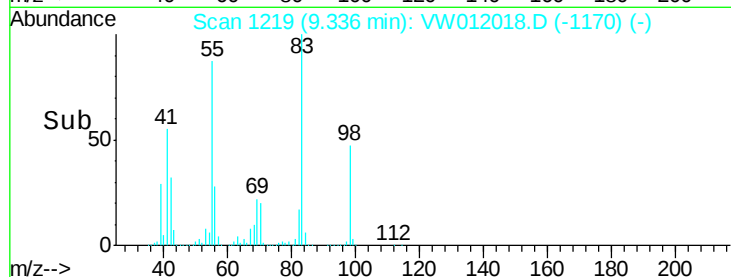
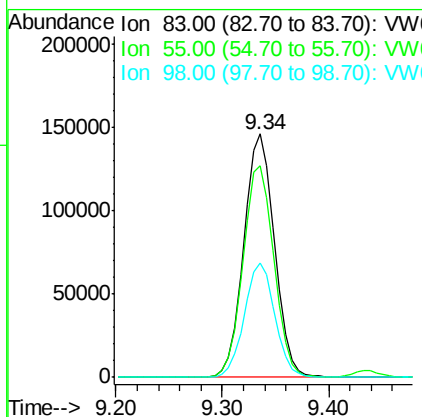
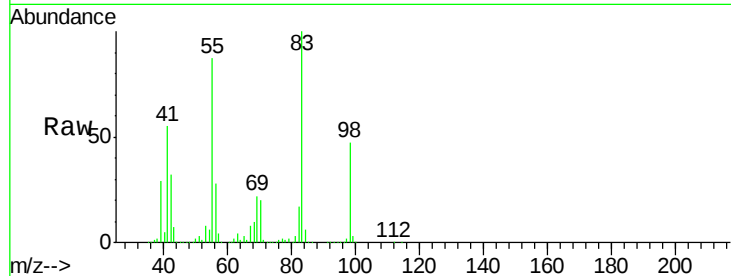
#39
Methvlcvclohexane
Concen: 59.319 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	72.1	108.1
98	46.7	38.6	57.8

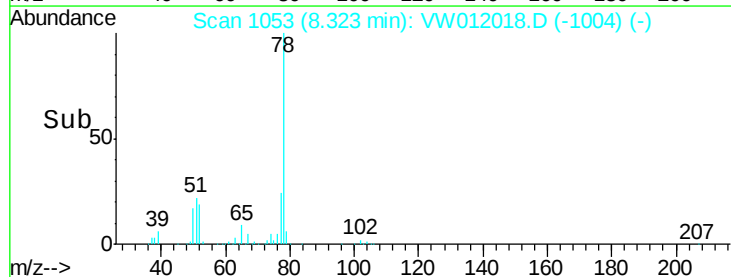
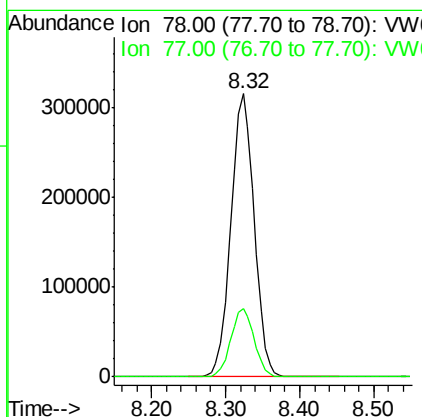
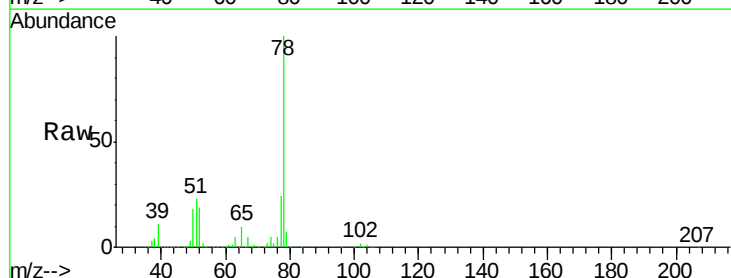
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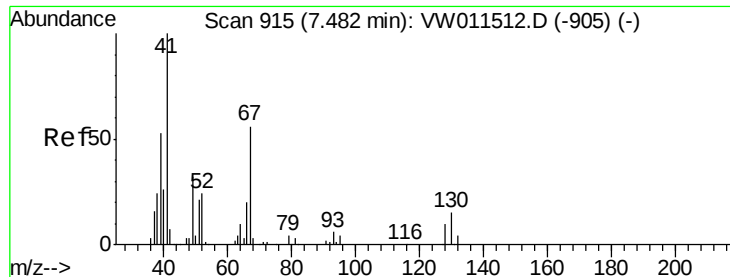
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#40
Benzene
Concen: 54.477 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





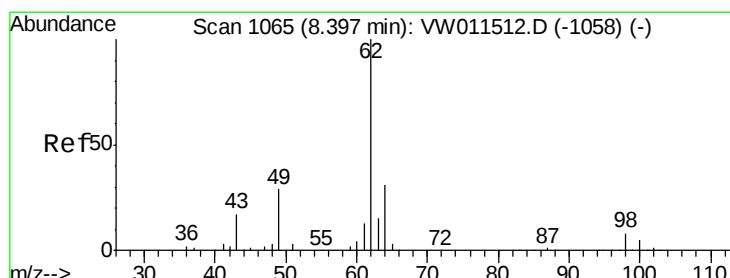
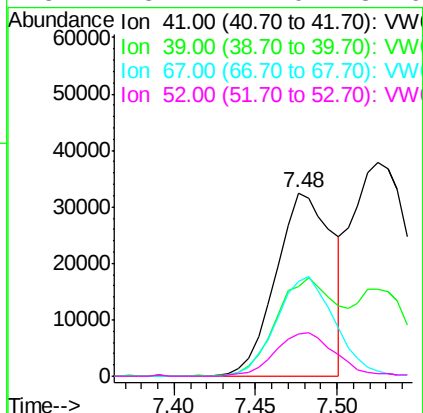
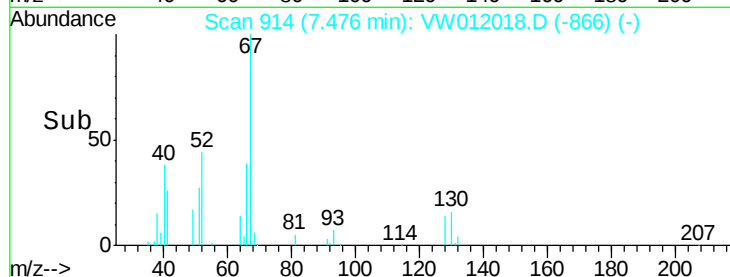
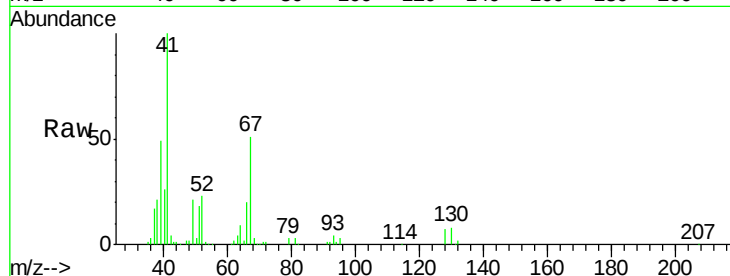
#41
Methacrylonitrile
Concen: 50.189 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.2	43.0	64.4
67	56.4	47.5	71.3
52	25.7	21.0	31.6

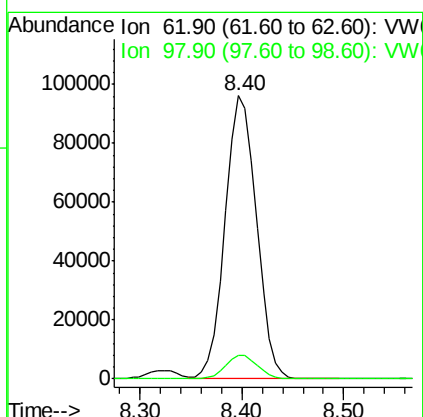
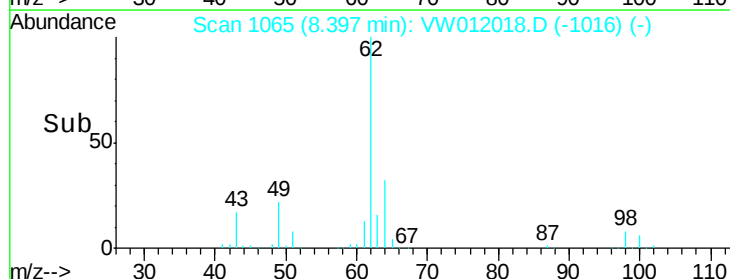
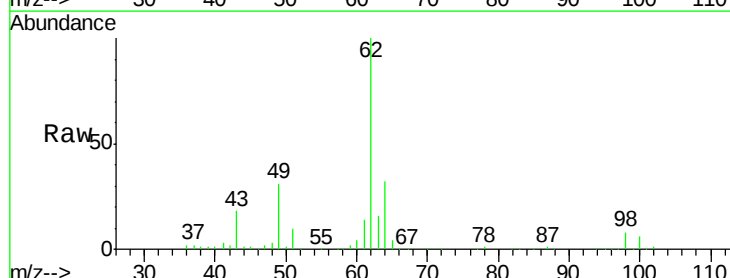
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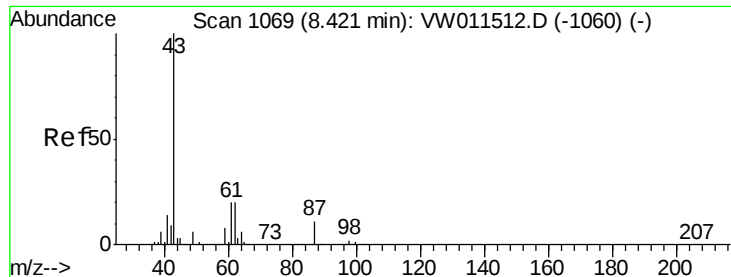
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#42
1,2-Dichloroethane
Concen: 51.761 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

Isopropyl Acetate

Concen: 50.609 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

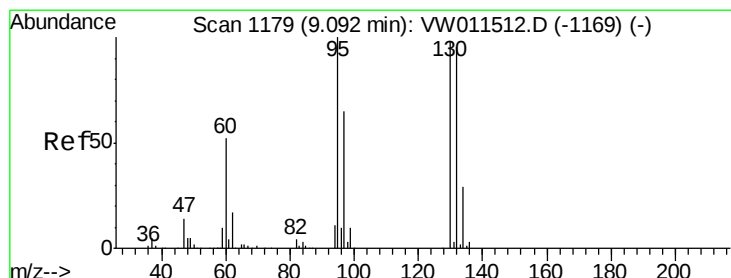
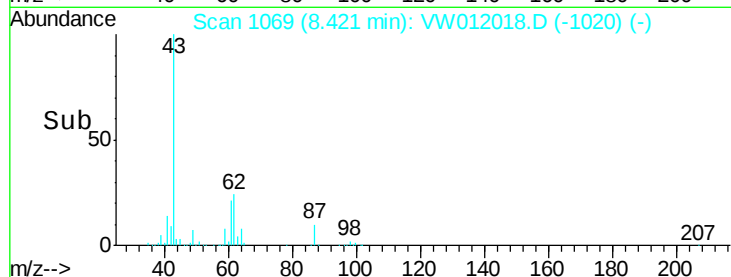
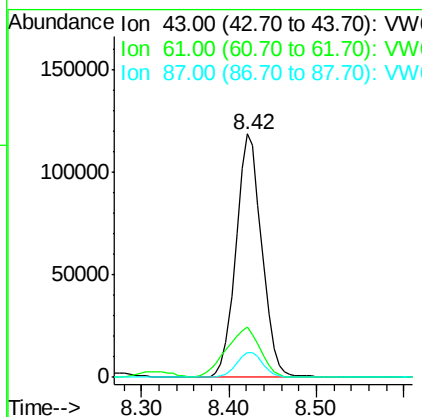
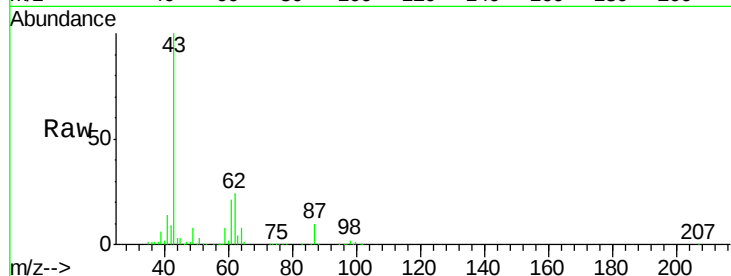
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	242434
Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.5	32.3
87	10.5	8.4	12.6

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#44

Trichloroethene

Concen: 56.244 ug/l

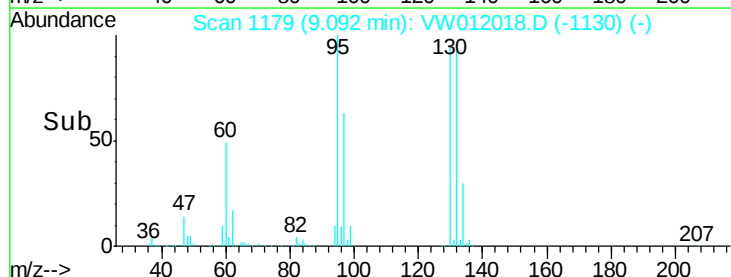
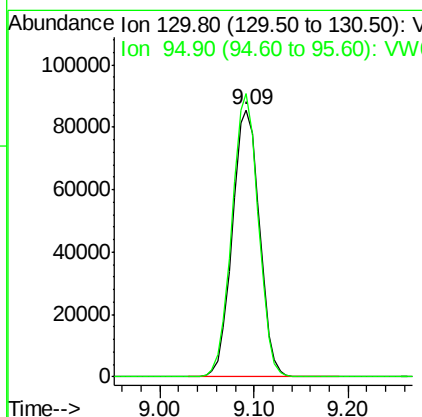
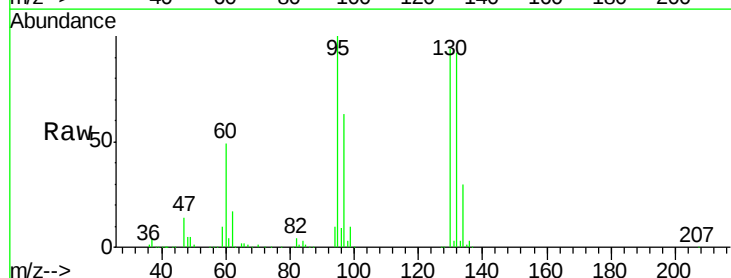
RT: 9.09 min Scan# 1179

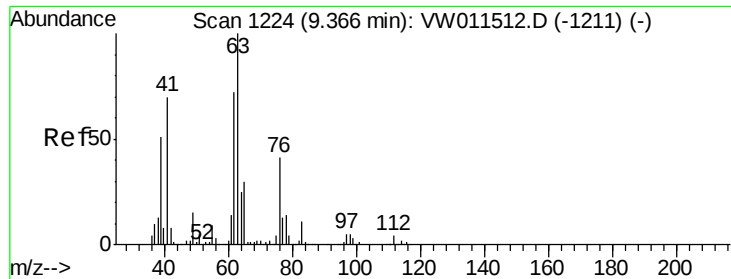
Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion:	130	Resp:	171432
Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	204.8





#45

1,2-Dichloropropane

Concen: 54.375 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 184506

Ion Ratio Lower Upper

63 100

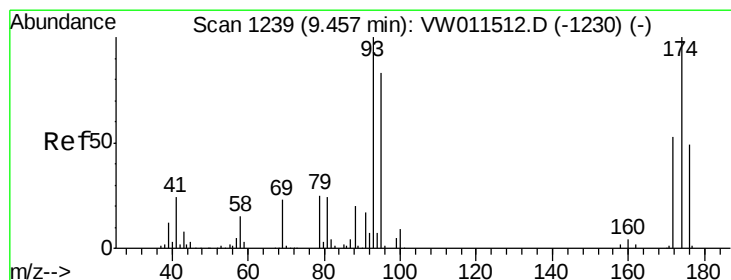
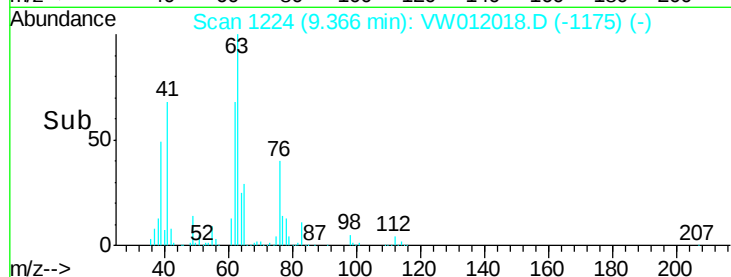
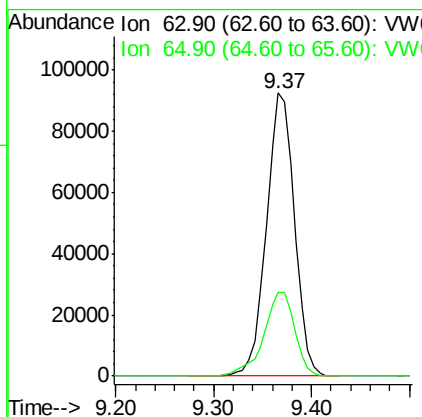
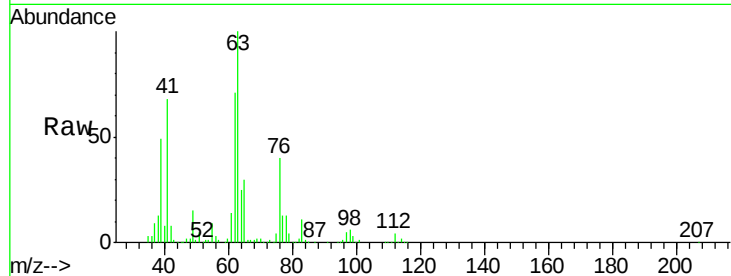
65 29.8 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 51.436 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

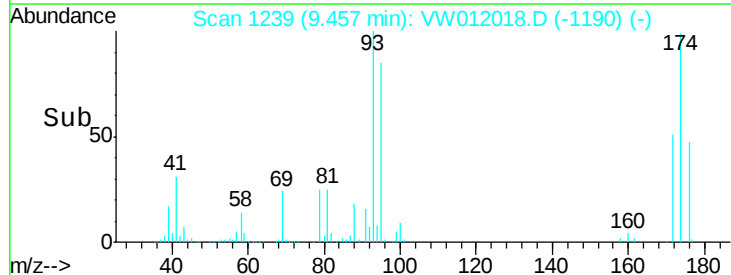
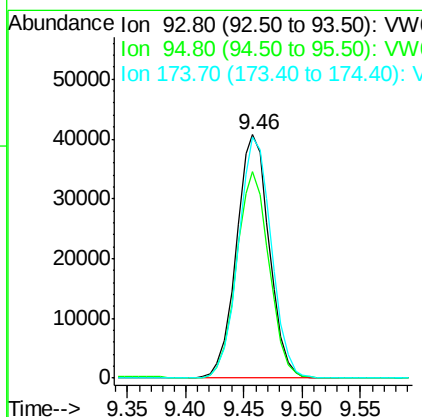
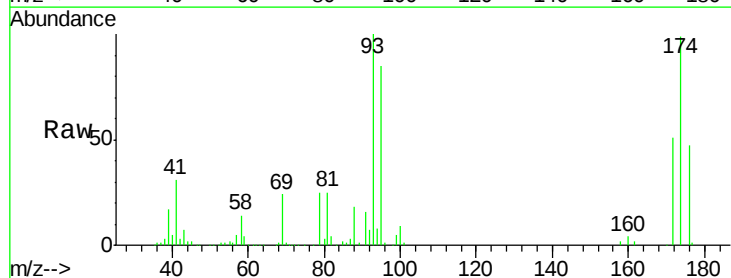
Tgt Ion: 93 Resp: 79659

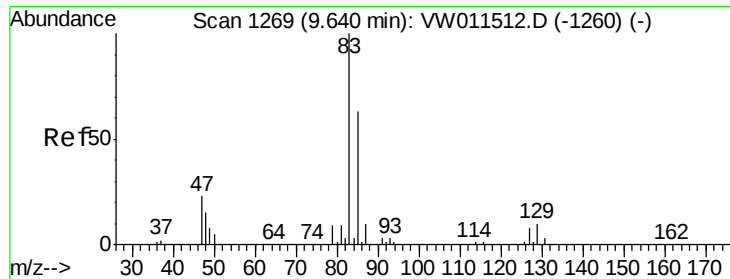
Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.2

174 99.5 78.2 117.4





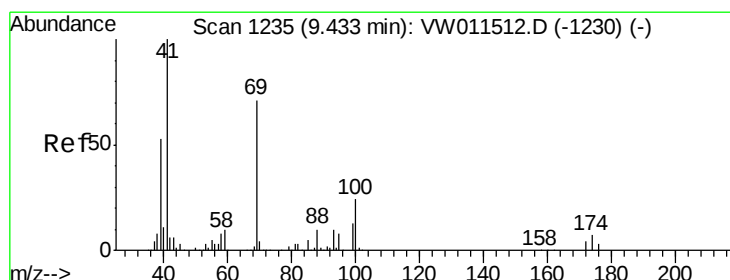
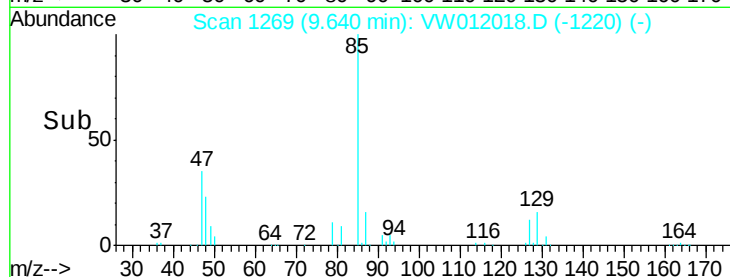
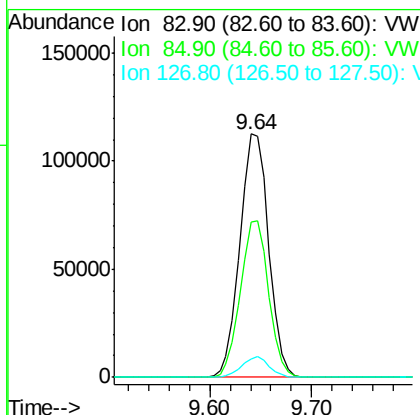
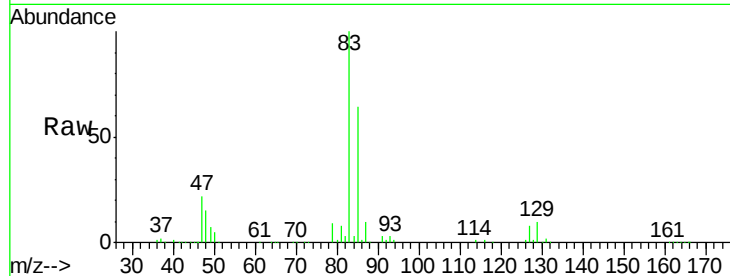
#47
 Bromodichloromethane
 Concen: 54.248 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	220381		
85	63.9		50.5	75.7
127	7.6		6.4	9.6

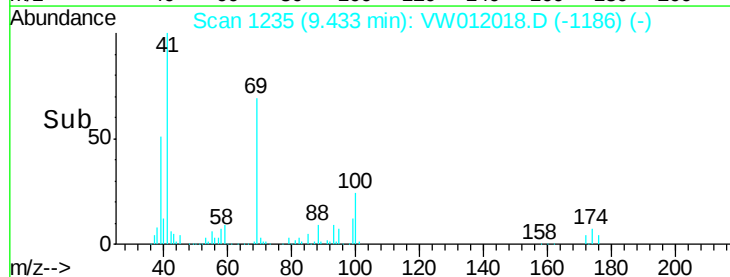
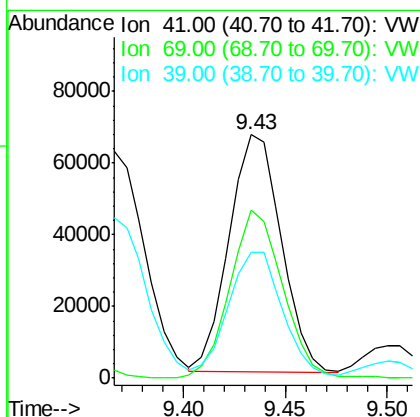
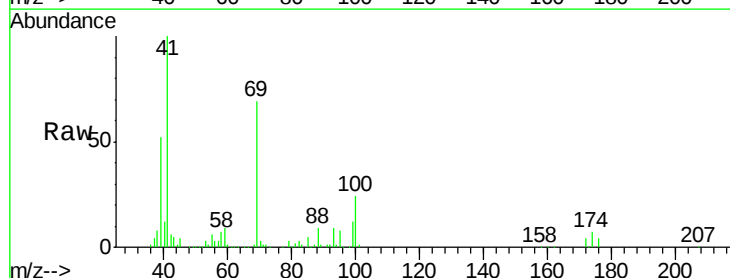
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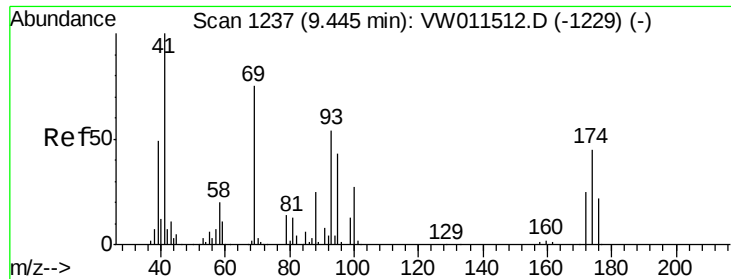
MMDadoda
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#48
 Methyl methacrylate
 Concen: 51.020 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	117402		
69	71.8		57.1	85.7
39	56.0		45.4	68.2





#49

1,4-Dioxane

Concen: 962.702 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

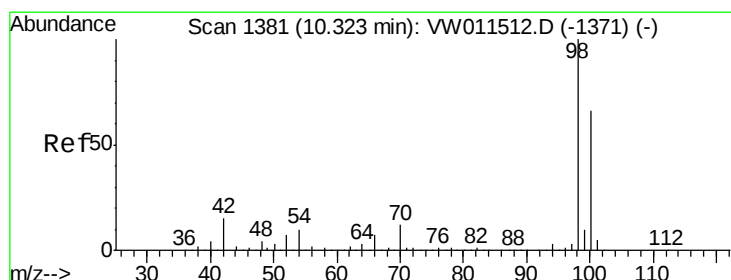
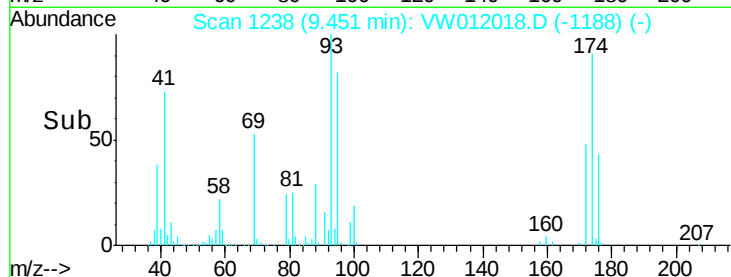
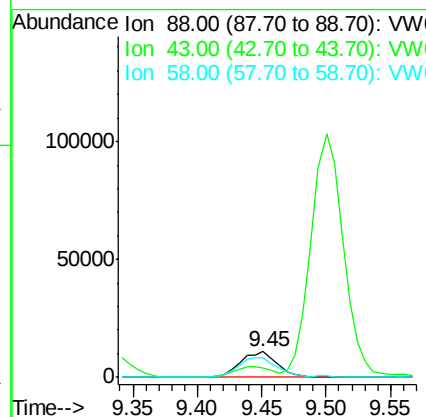
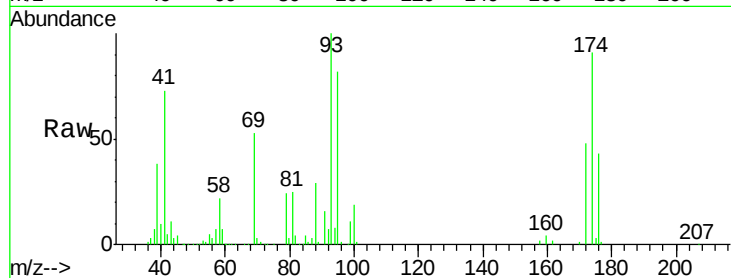
ClientSampled :

VSTDCCC050

Tot Ion	88	Resp	21588
Ion	Ratio	Lower	Upper
88	100		
43	41.8	34.0	51.0
58	85.1	69.7	104.5

Manual Integrations
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#50

Toluene-d8

Concen: 53.310 ug/l

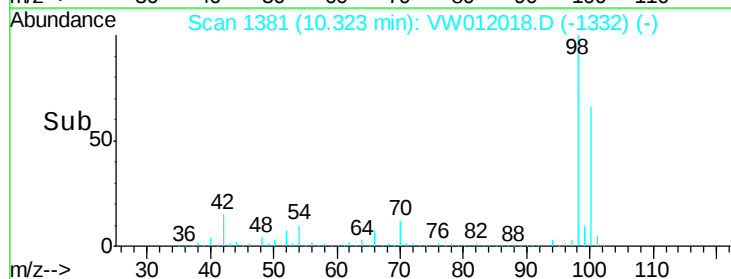
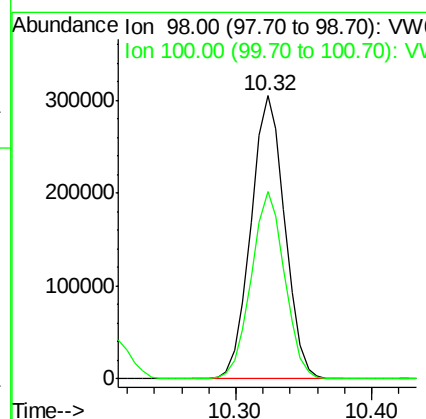
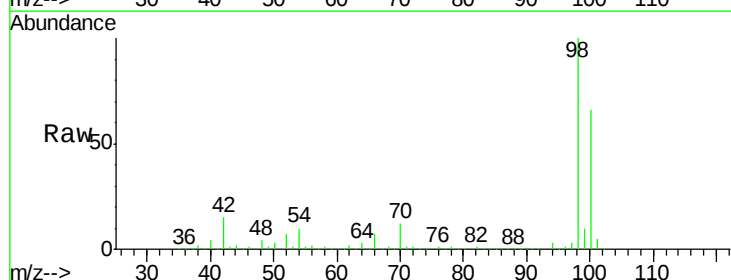
RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion	98	Resp	533159
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 245.806 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 612474

Ion Ratio Lower Upper

43 100

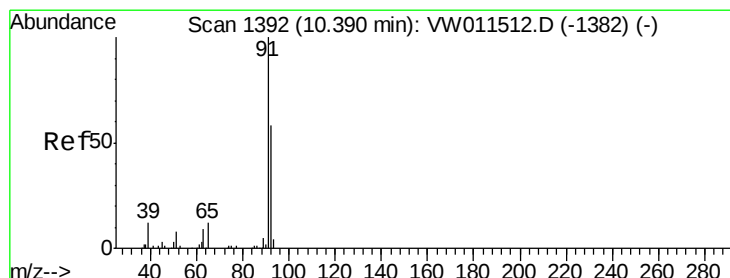
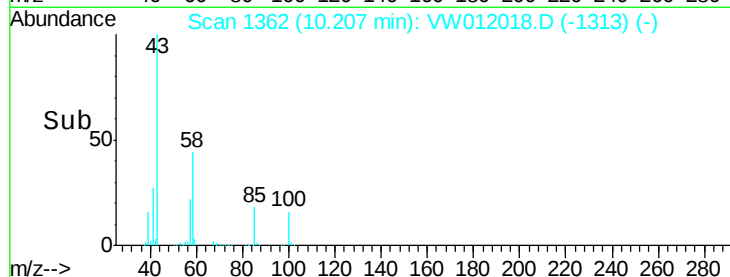
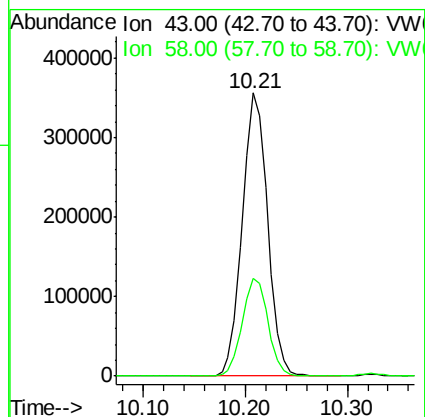
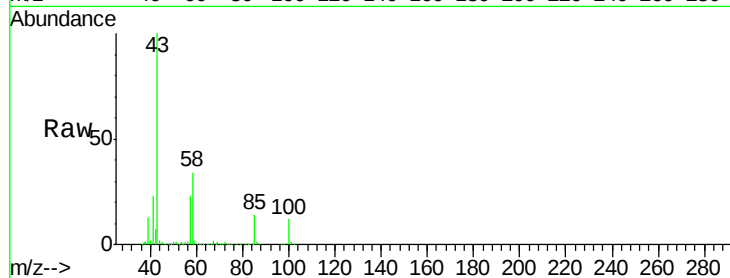
58 35.3 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 55.126 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW012018.D

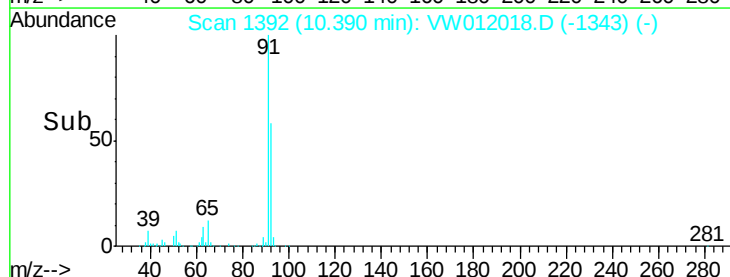
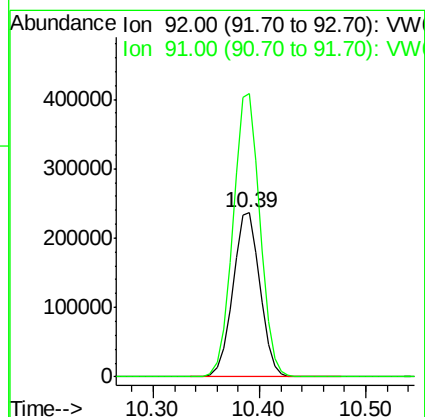
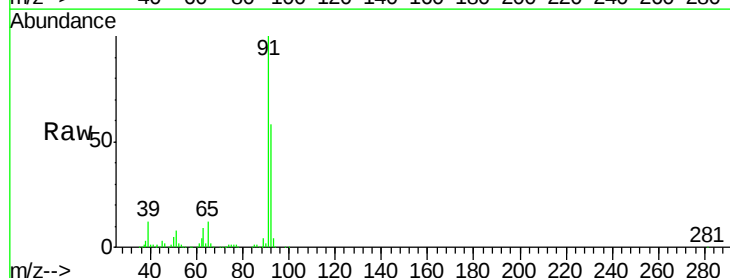
Acq: 20 Aug 2019 09:06

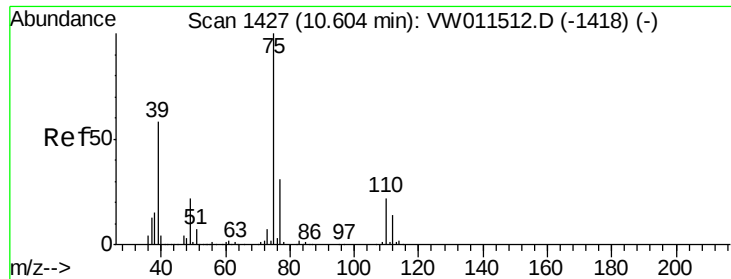
Tgt Ion: 92 Resp: 422178

Ion Ratio Lower Upper

92 100

91 171.4 136.7 205.1





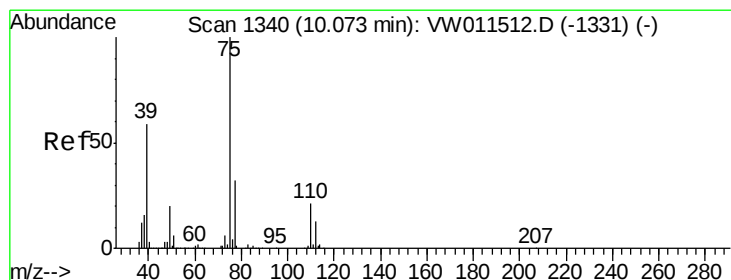
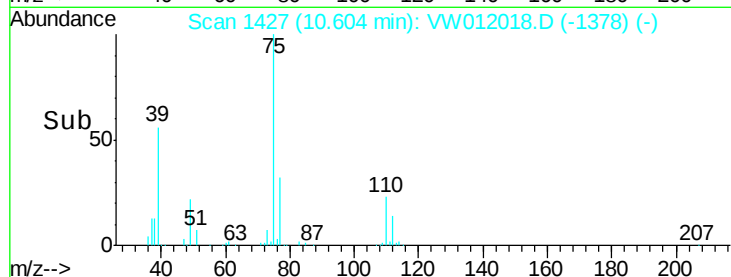
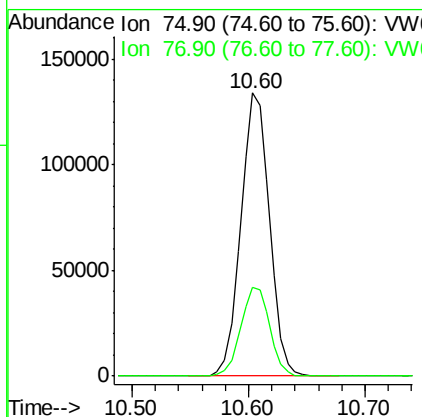
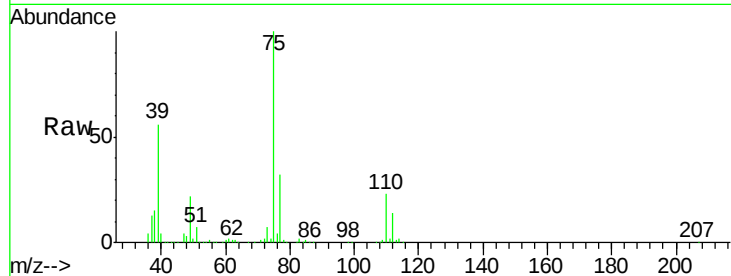
#53
 t-1,3-Dichloropropene
 Concen: 54.023 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

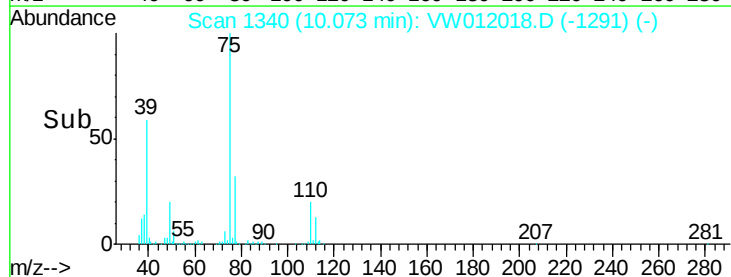
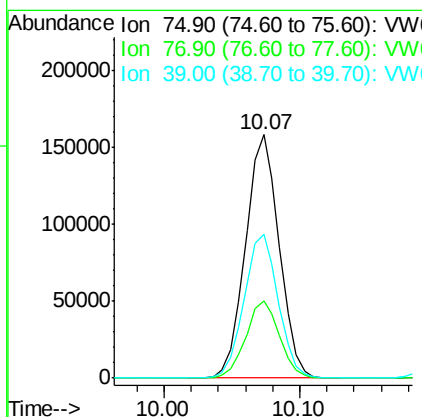
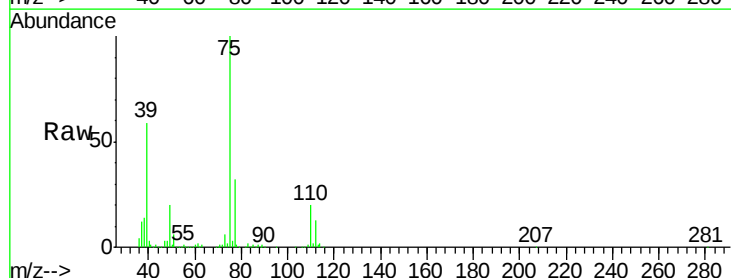
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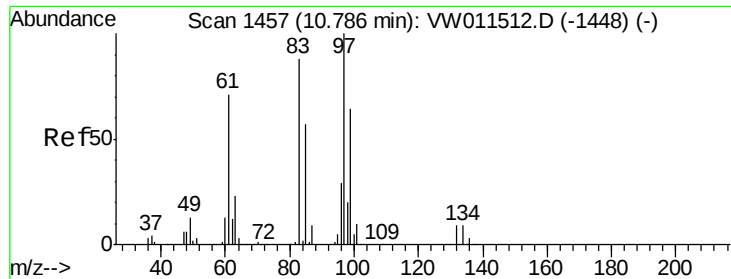
MMDadoda
 8/21/2019 8:28:43 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.340 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	58.8	47.0	70.4





#55

1,1,2-Trichloroethane

Concen: 51.429 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

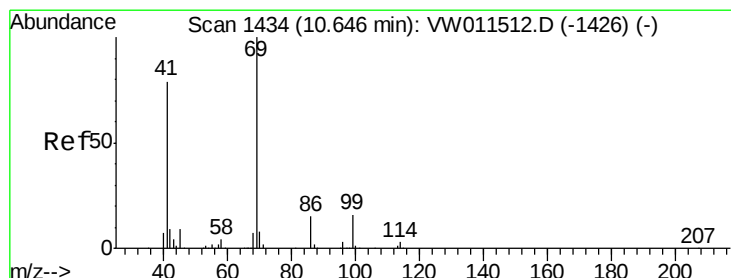
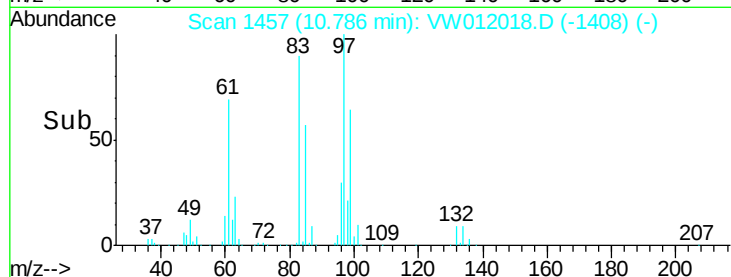
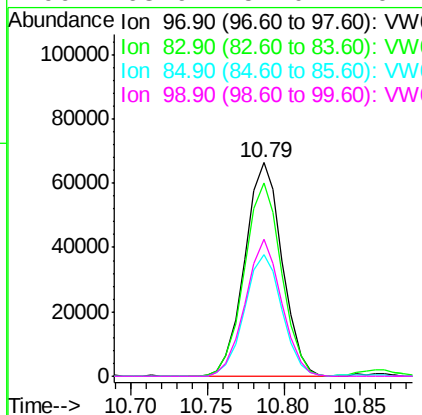
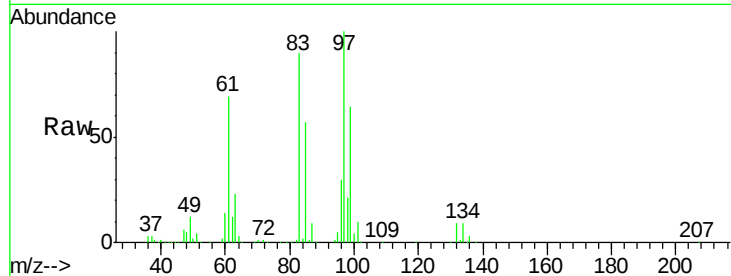
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	113010
Ion	Ratio	Lower	Upper
97	100		
83	90.3	70.5	105.7
85	57.0	45.8	68.6
99	63.9	51.0	76.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.918 ug/l

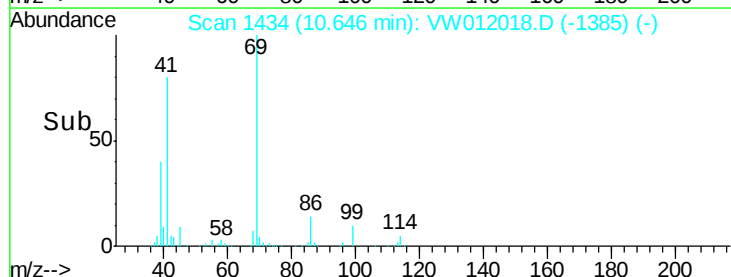
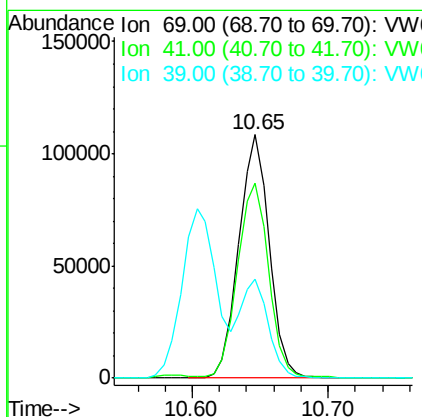
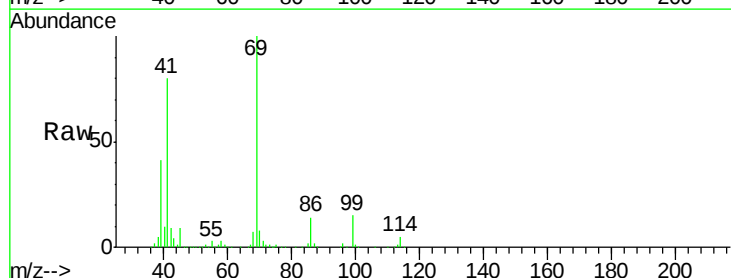
RT: 10.65 min Scan# 1434

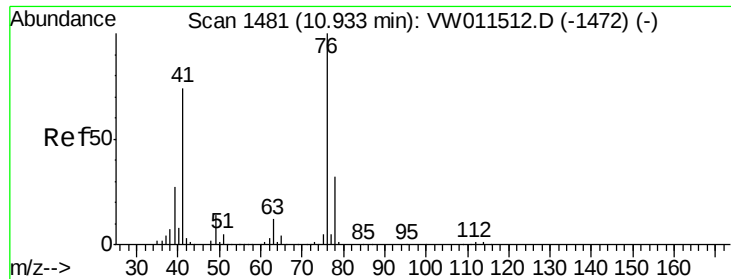
Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion:	69	Resp:	170156
Ion	Ratio	Lower	Upper
69	100		
41	81.7	66.6	99.8
39	37.6	30.3	45.5





#57

1,3-Dichloropropane

Concen: 51.771 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 215226

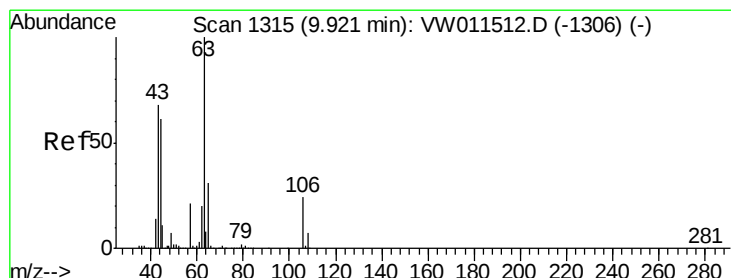
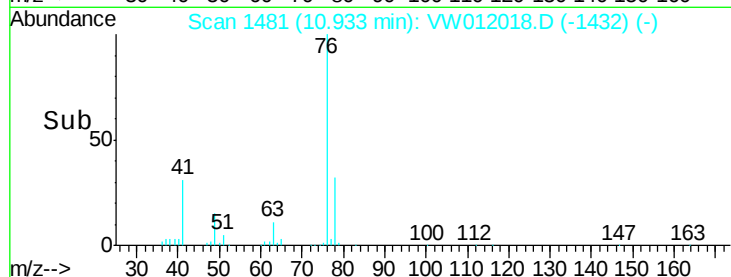
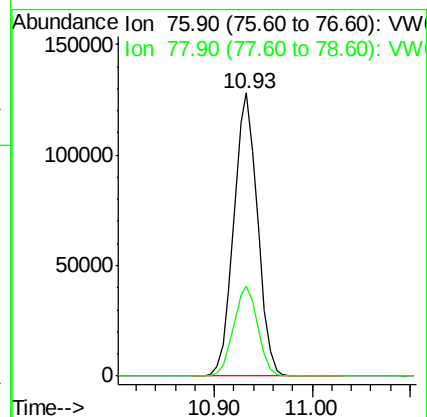
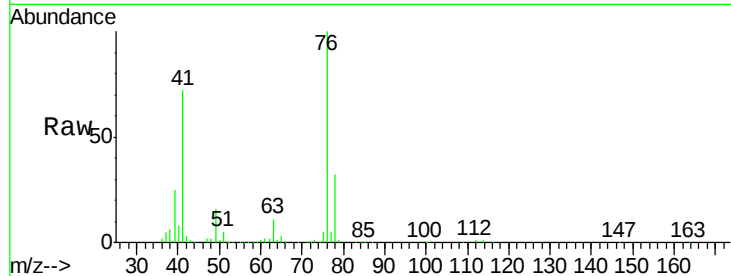
Ion Ratio Lower Upper

76 100

78 32.1 25.2 37.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 292.116 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW012018.D

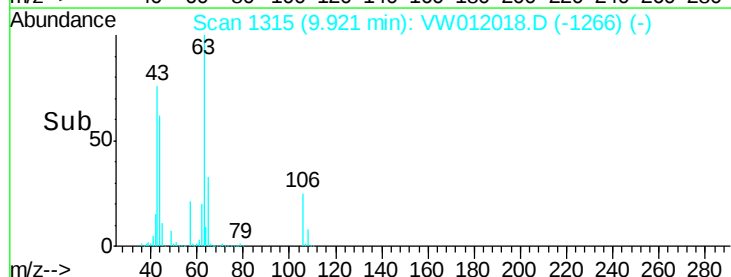
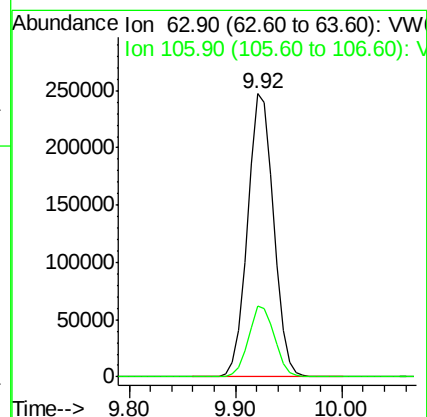
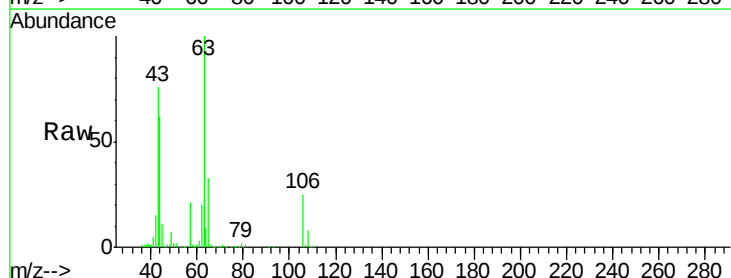
Acq: 20 Aug 2019 09:06

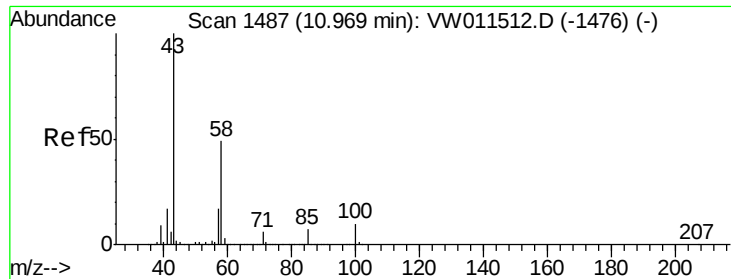
Tgt Ion: 63 Resp: 426478

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5





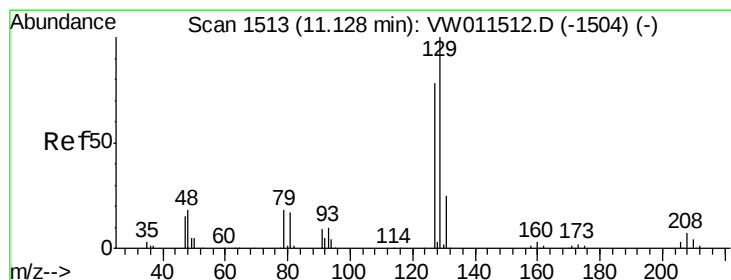
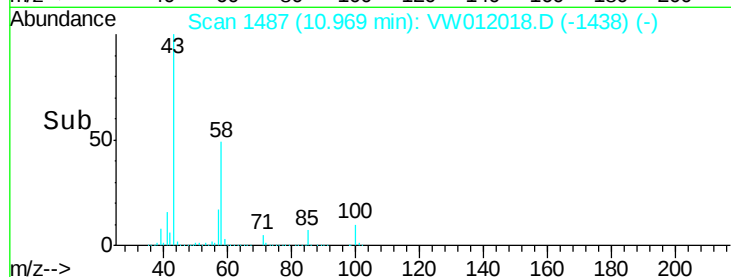
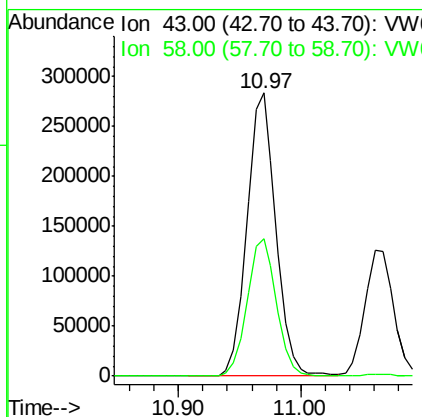
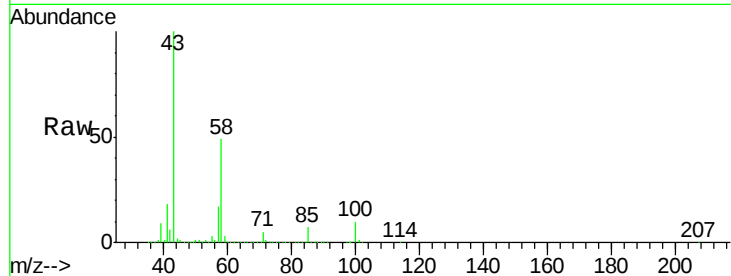
#59
2-Hexanone
Concen: 263.107 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 462885
Ion Ratio Lower Upper
43 100
58 49.3 24.3 72.9

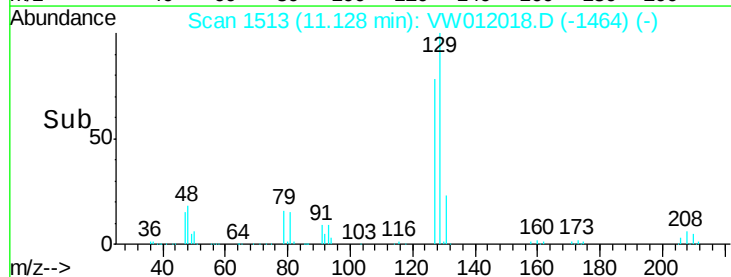
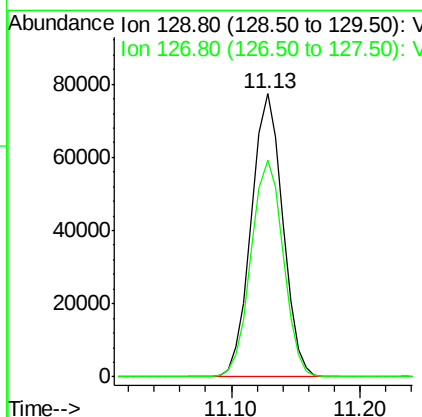
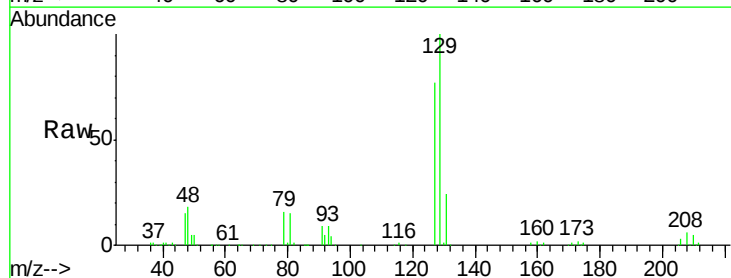
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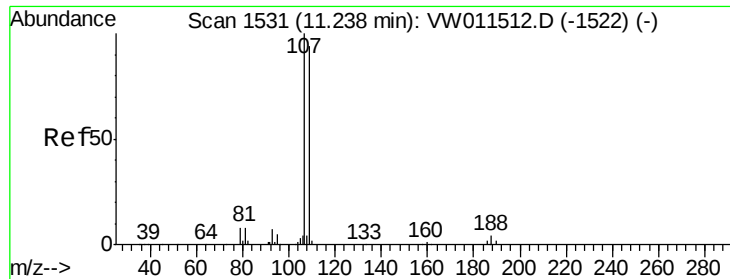
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#60
Dibromochloromethane
Concen: 53.583 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion: 129 Resp: 130698
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.274 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 106623

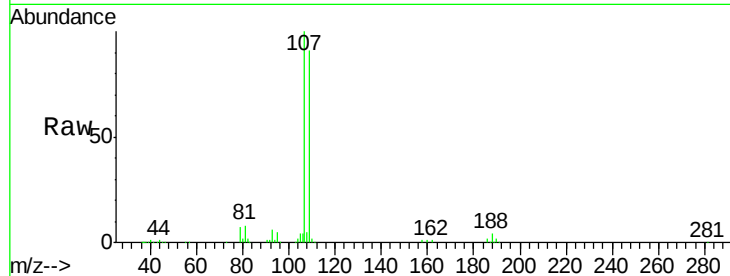
Ion Ratio Lower Upper

107 100

109 93.3 75.0 112.6

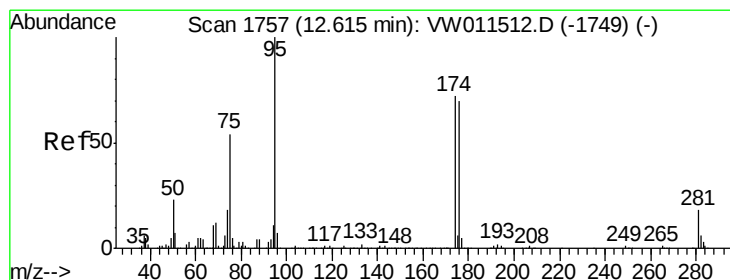
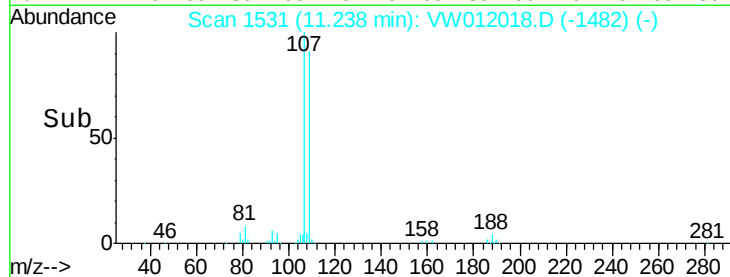
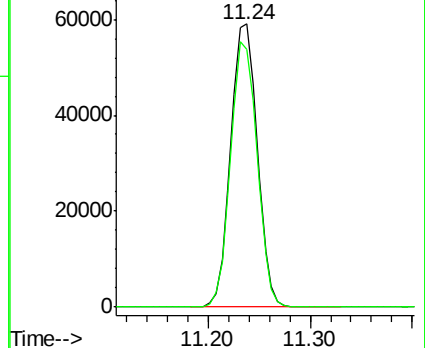
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.610 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

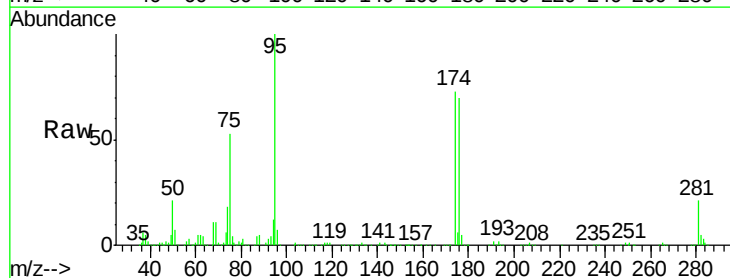
Tgt Ion: 95 Resp: 187589

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.2

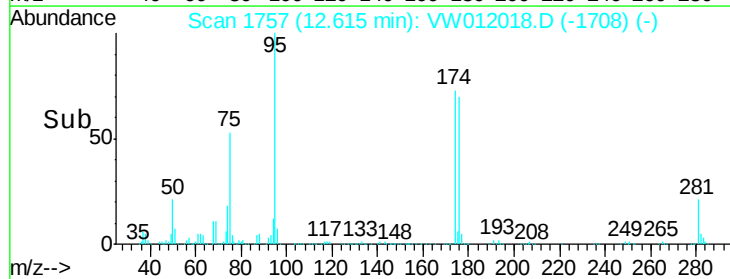
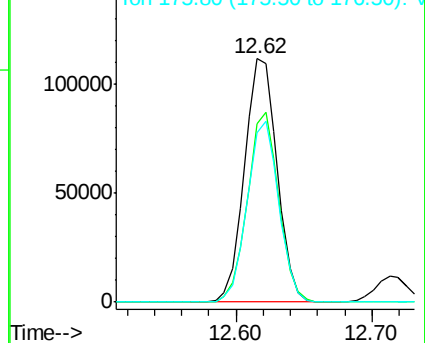
176 72.4 0.0 144.4

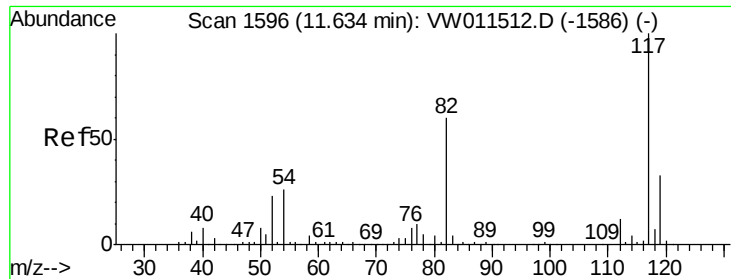


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





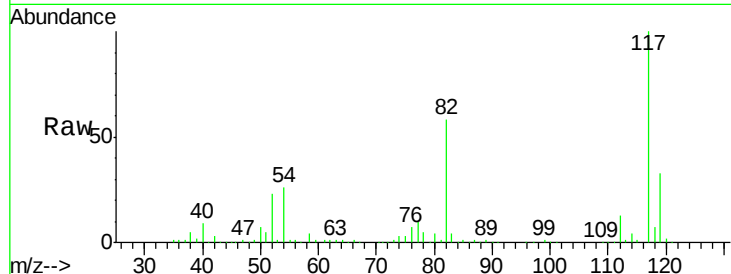
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	369950		
82	58.5	47.9	71.9	
119	32.5	26.2	39.2	

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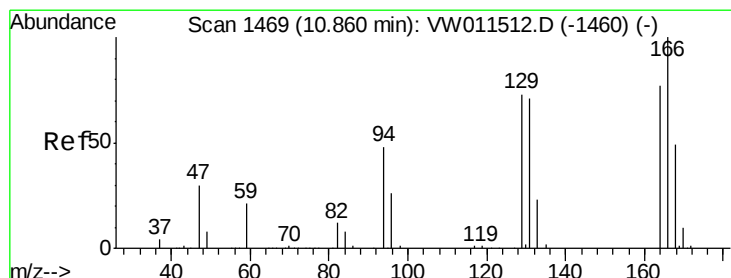
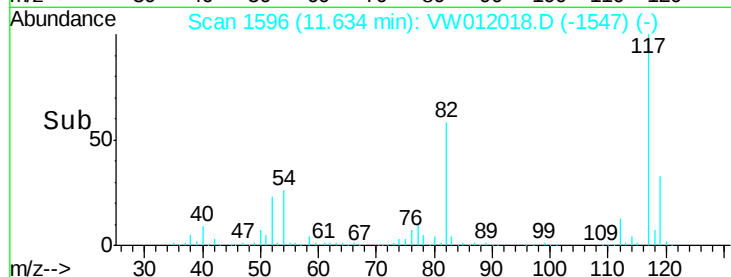
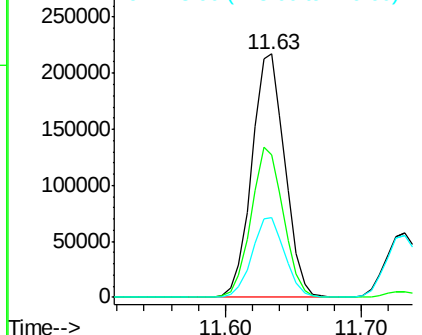


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 57.471 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	138436		
166	127.5	103.5	155.3	
129	96.7	75.2	112.8	
131	91.1	73.4	110.2	

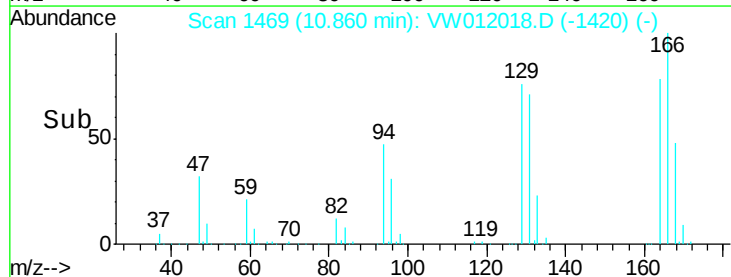
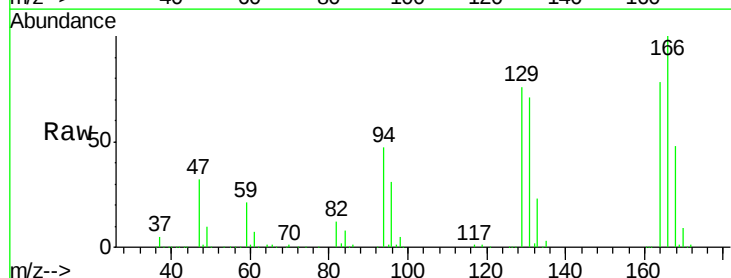
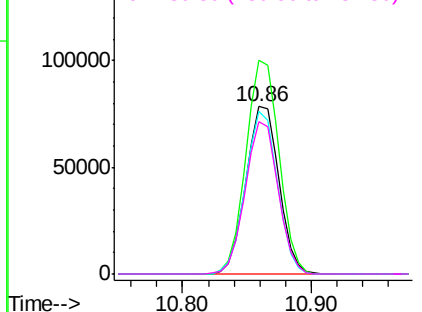
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 56.094 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 417214

Ion Ratio Lower Upper

112 100

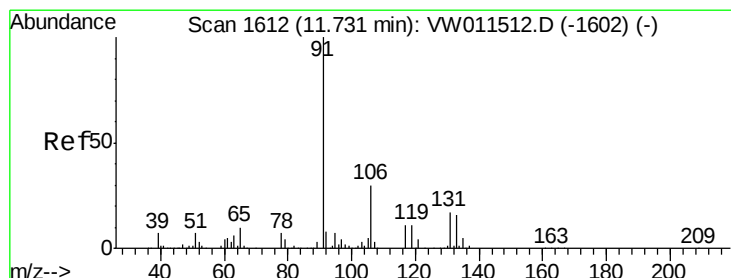
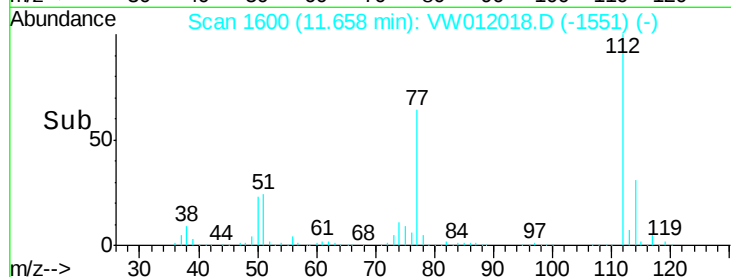
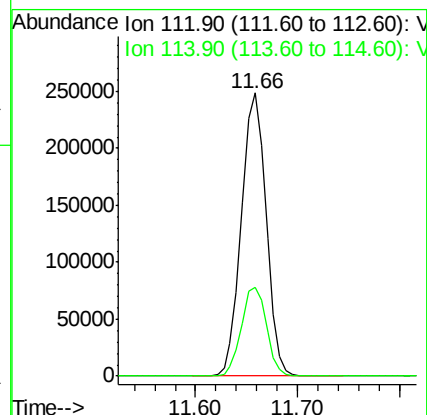
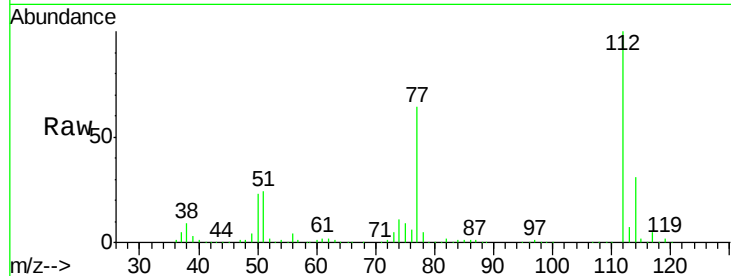
114 31.2 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 56.059 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

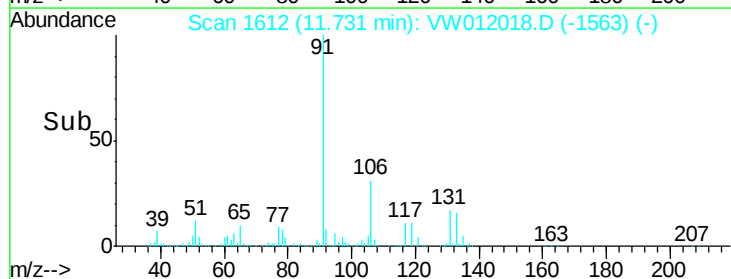
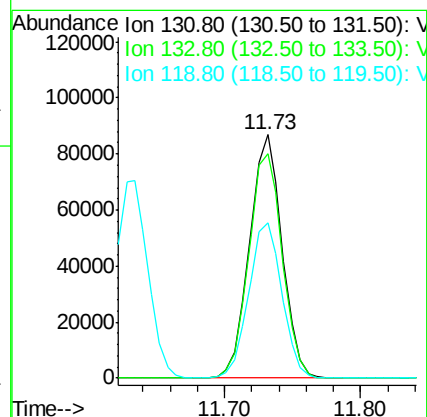
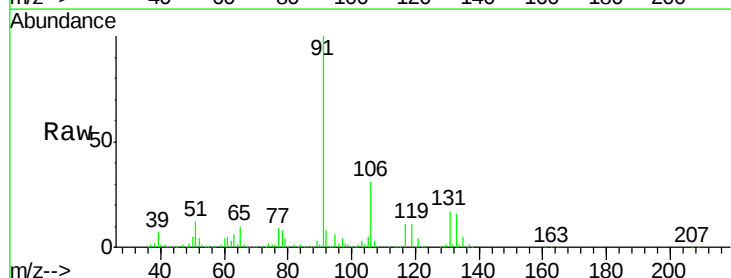
Tgt Ion:131 Resp: 145234

Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.2

119 65.2 32.3 96.9





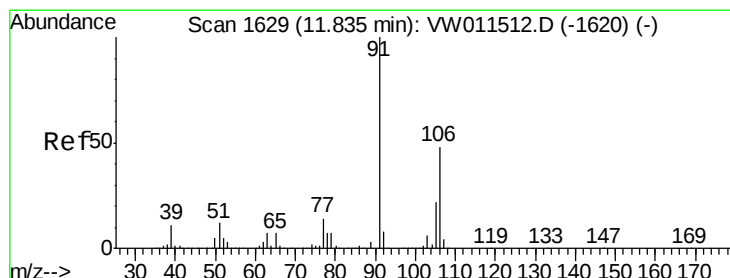
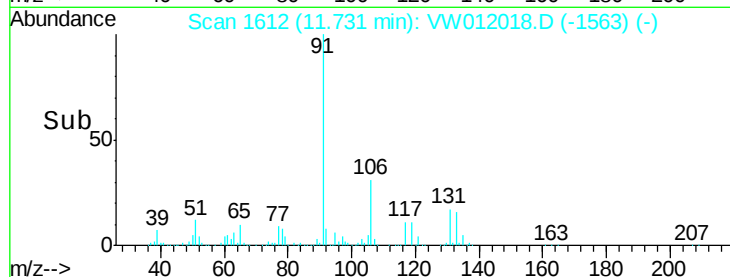
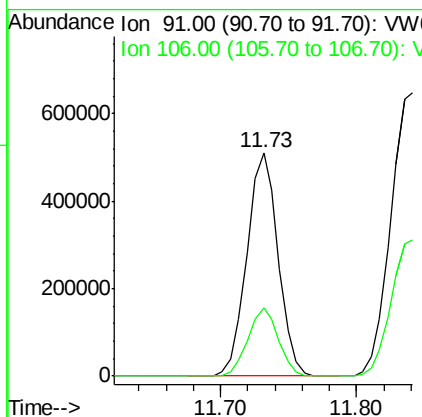
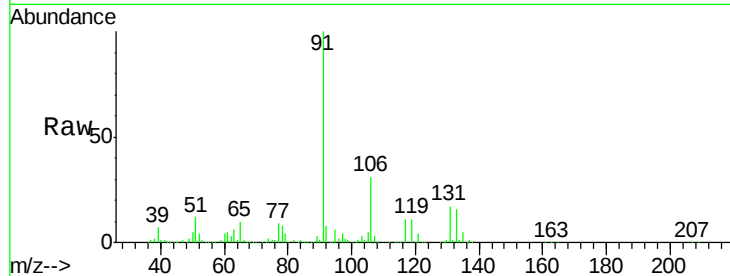
#67
Ethyl Benzene
Concen: 57.821 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 819068
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.6

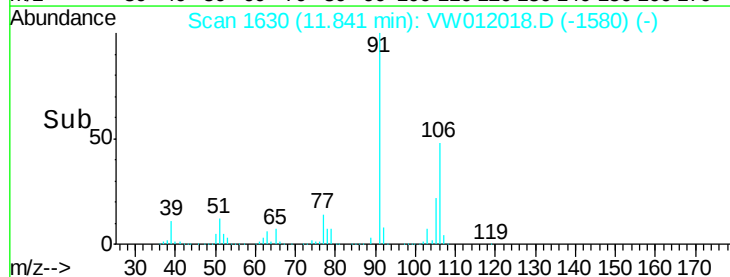
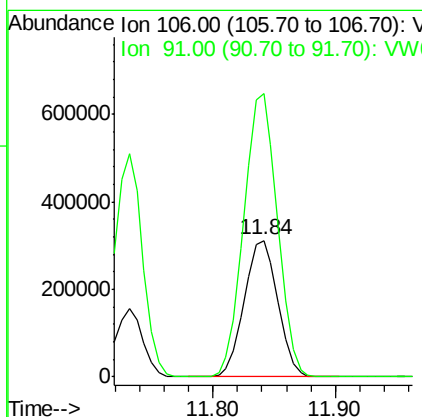
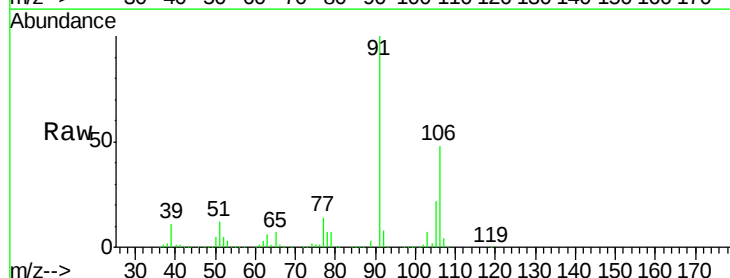
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#68
m/p-Xylenes
Concen: 115.133 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion: 106 Resp: 593115
Ion Ratio Lower Upper
106 100
91 208.6 168.2 252.2





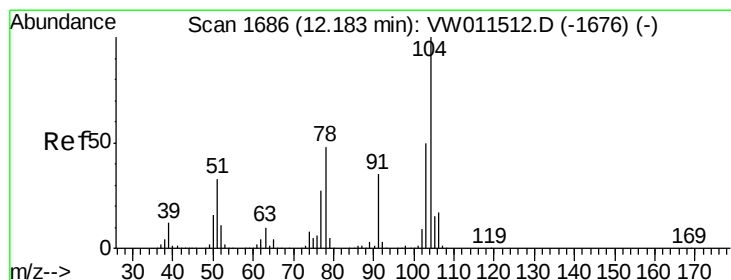
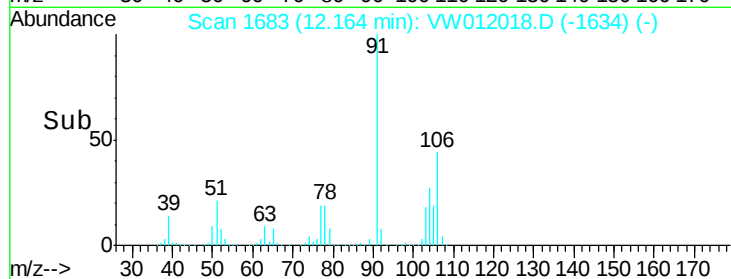
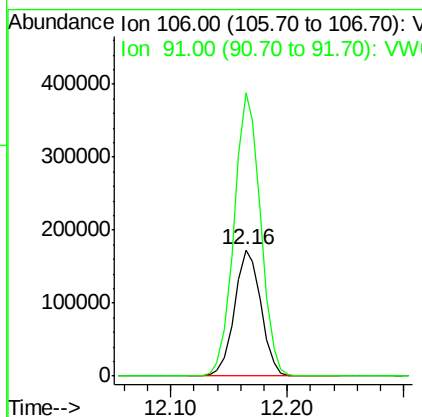
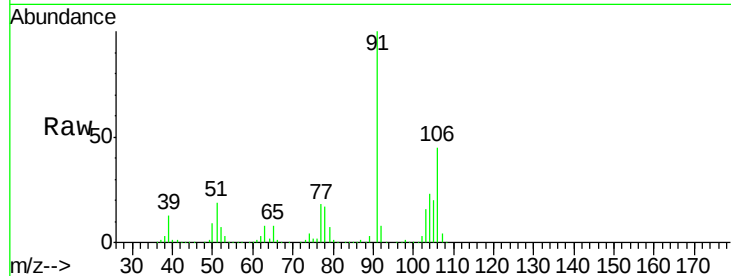
#69
o-Xylene
Concen: 57.132 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		273500		
91	223.9	110.5	331.5		

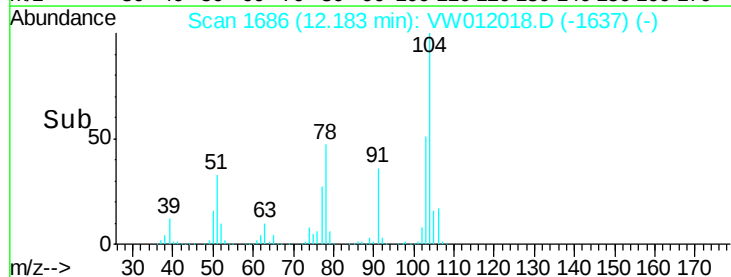
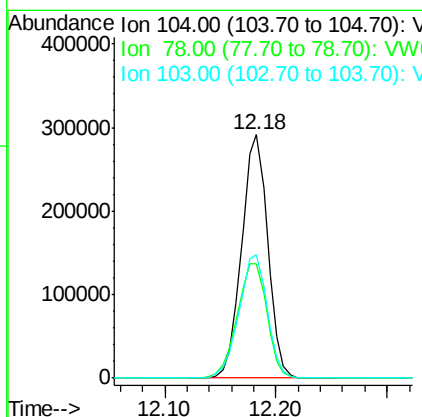
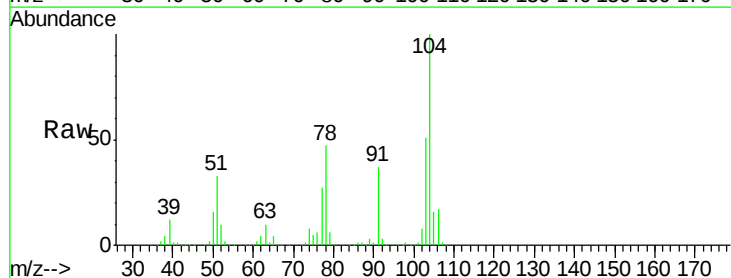
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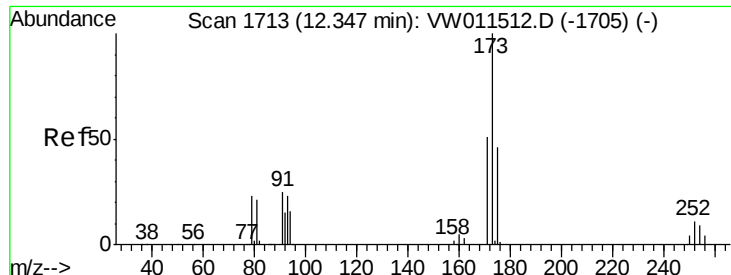
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#70
Styrene
Concen: 57.233 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		473716		
78	53.4	43.4	65.0		
103	54.9	43.9	65.9		





#71

Bromoform

Concen: 55.398 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 73177

Ion Ratio Lower Upper

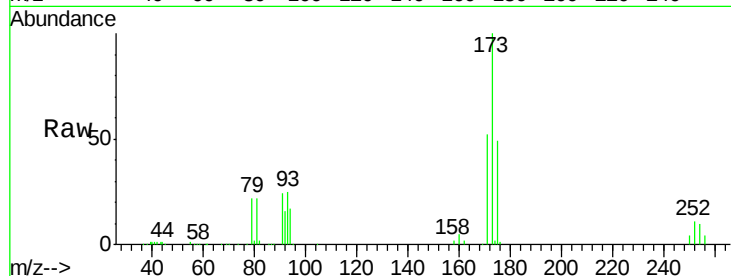
173 100

175 48.2 23.6 71.0

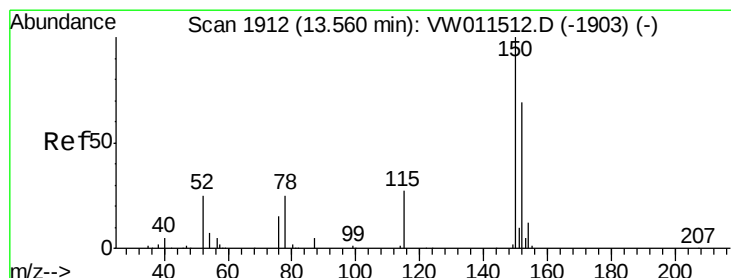
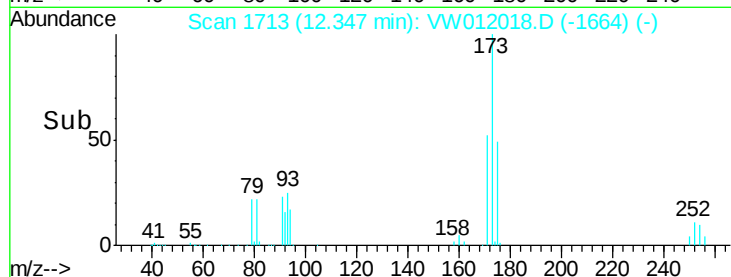
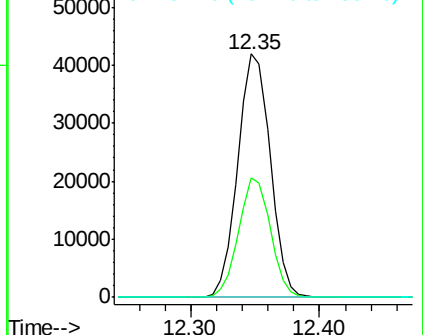
254 0.2 0.1 0.1#

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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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

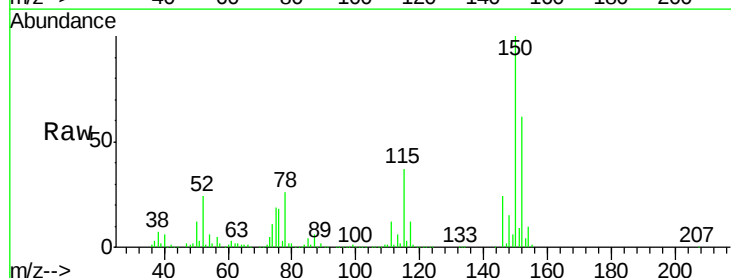
Tgt Ion:152 Resp: 175993

Ion Ratio Lower Upper

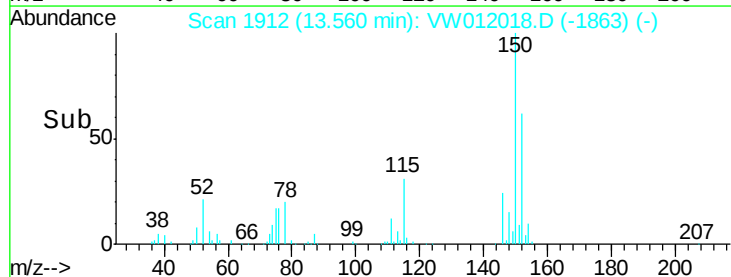
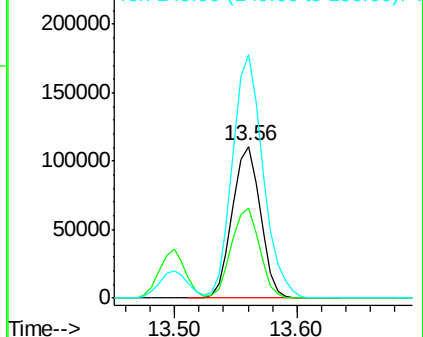
152 100

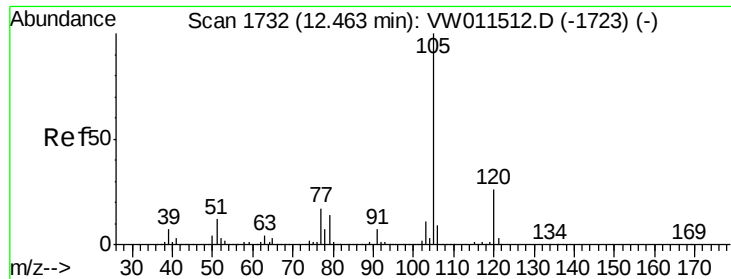
115 59.5 30.5 91.5

150 174.6 0.0 352.6



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: 59.048 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 775270

Ion Ratio Lower Upper

105 100

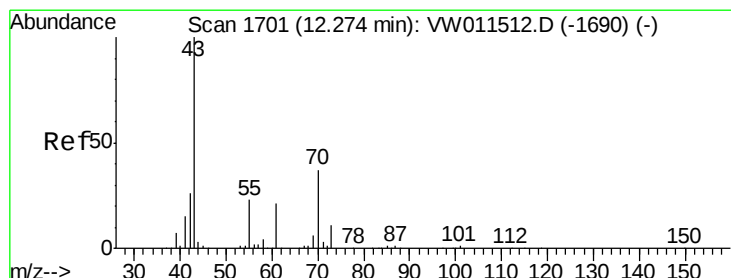
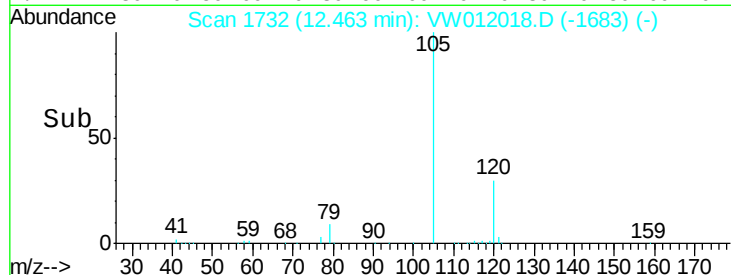
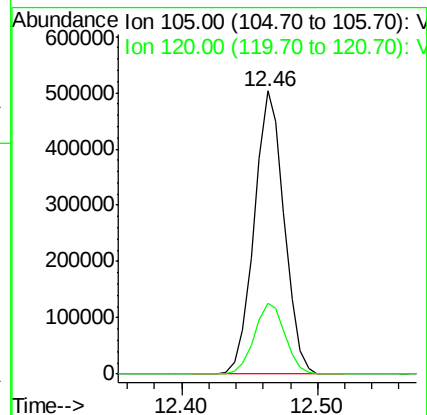
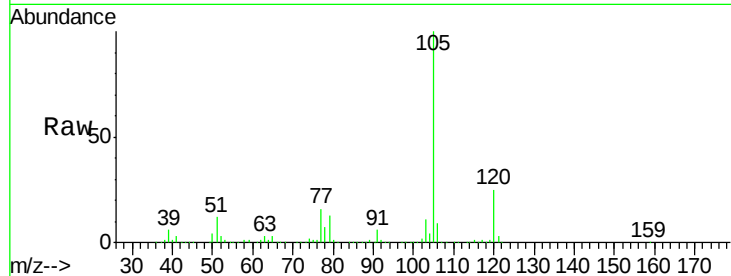
120 25.7 12.9 38.7

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#74

N-ethyl acetate

Concen: 54.004 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion: 43 Resp: 221987

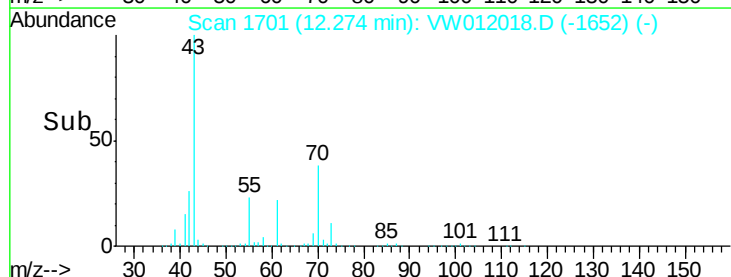
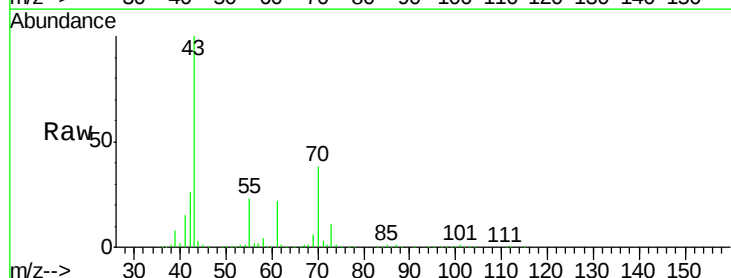
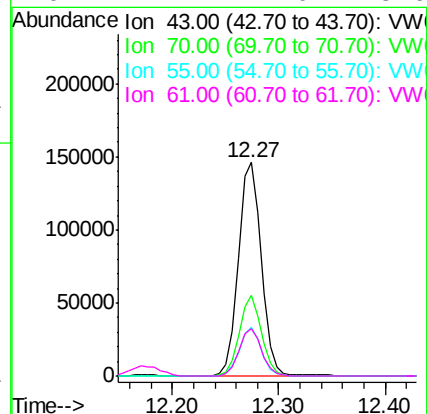
Ion Ratio Lower Upper

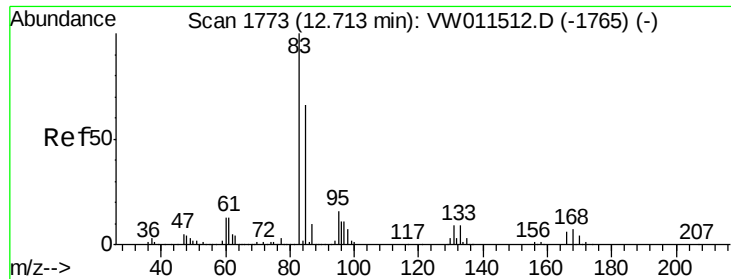
43 100

70 36.4 28.6 43.0

55 22.0 17.8 26.8

61 21.7 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.786 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

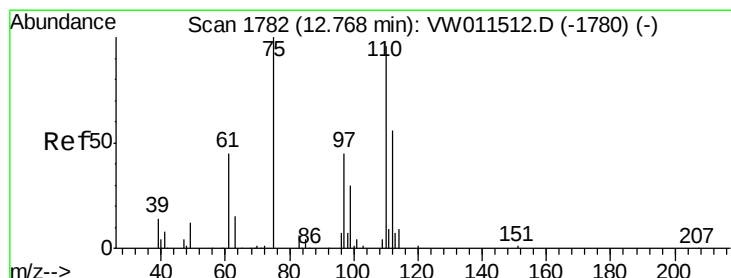
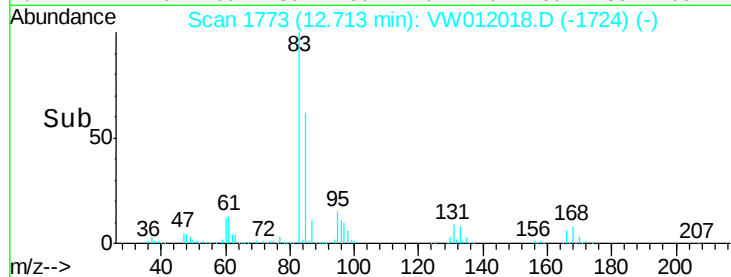
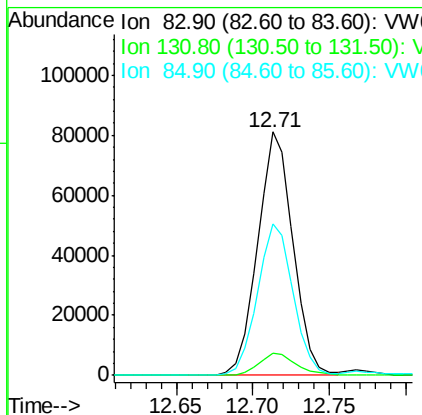
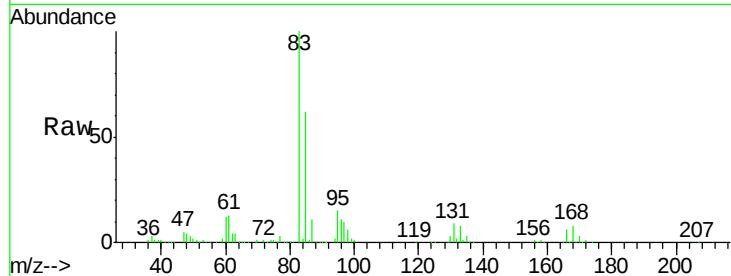
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	130364
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	62.8	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 48.162 ug/l m

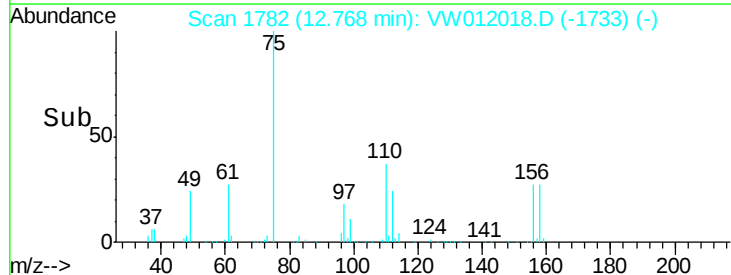
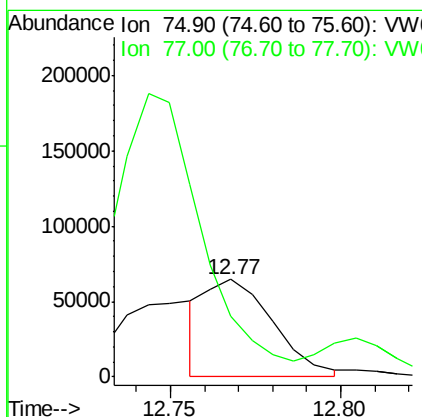
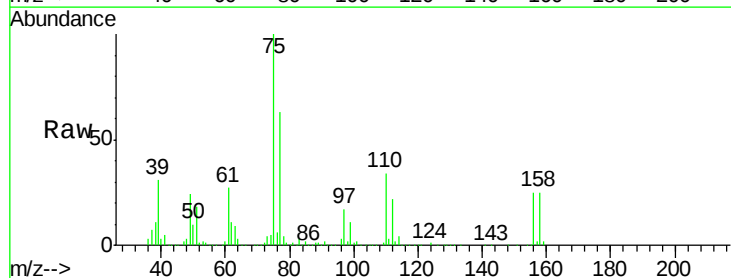
RT: 12.77 min Scan# 1782

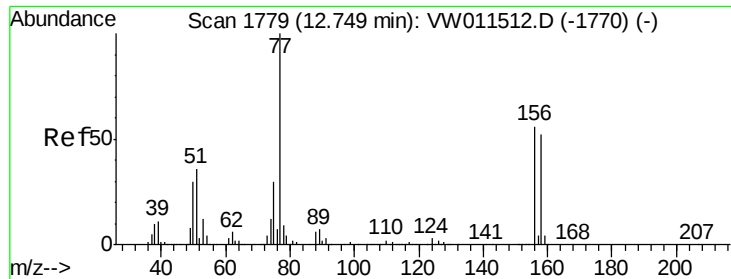
Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion:	75	Resp:	89687
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 56.334 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

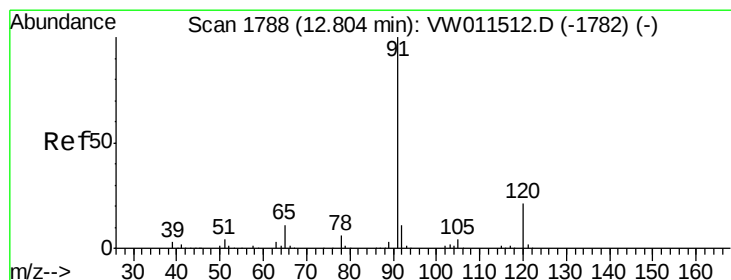
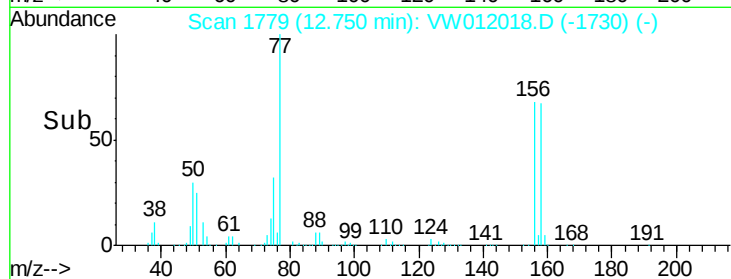
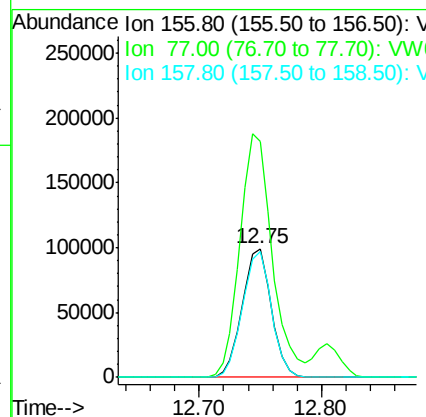
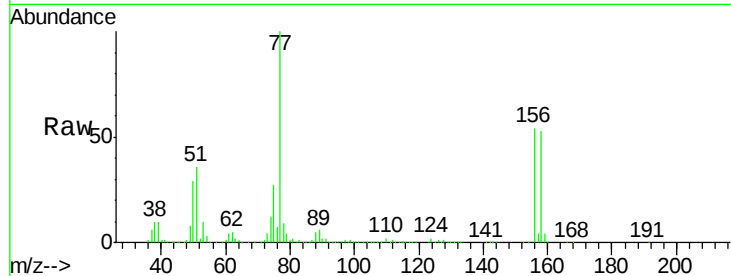
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.0	106.5	319.4
158	97.2	48.0	144.2

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#78

n-propylbenzene

Concen: 59.365 ug/l

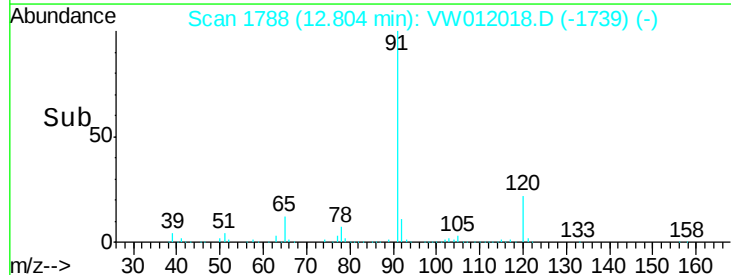
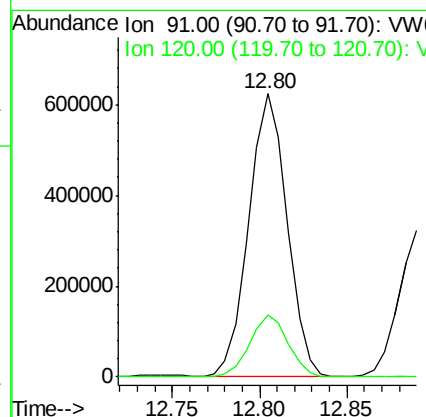
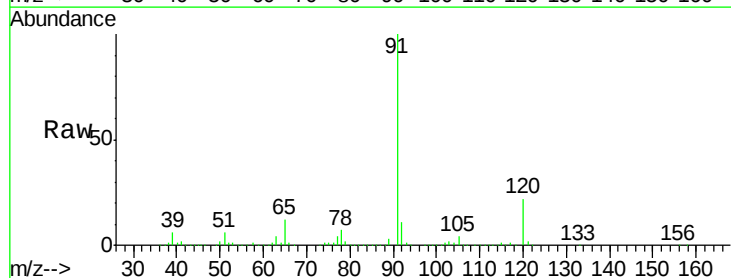
RT: 12.80 min Scan# 1788

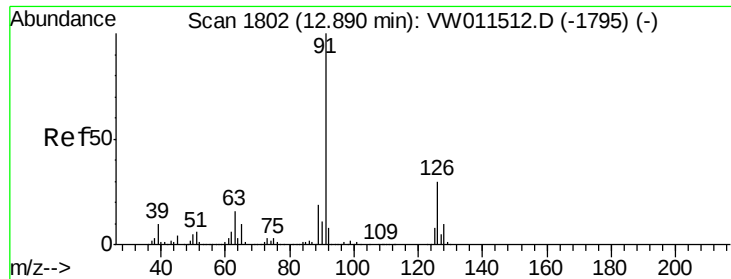
Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 57.216 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 526695

Ion Ratio Lower Upper

91 100

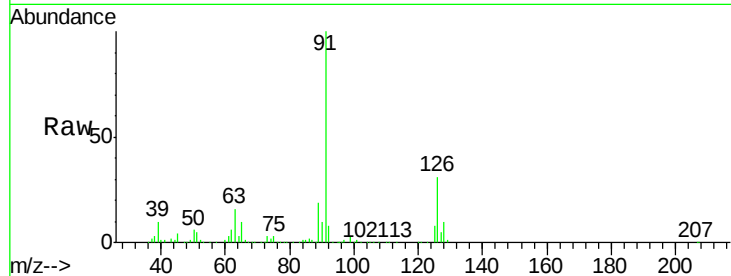
126 31.4 15.7 47.1

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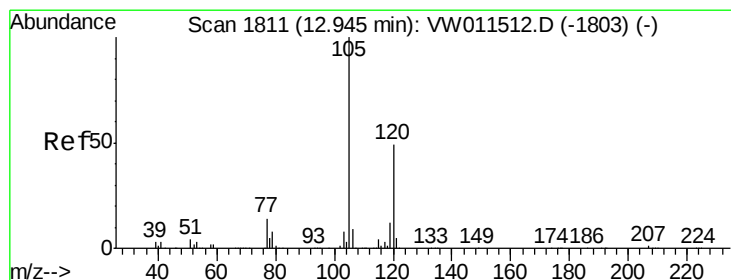
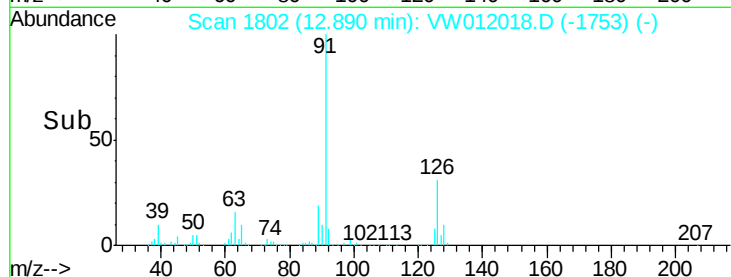
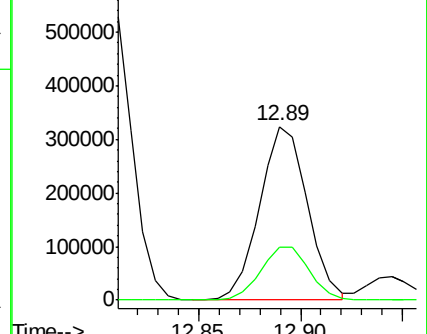
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.602 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW012018.D

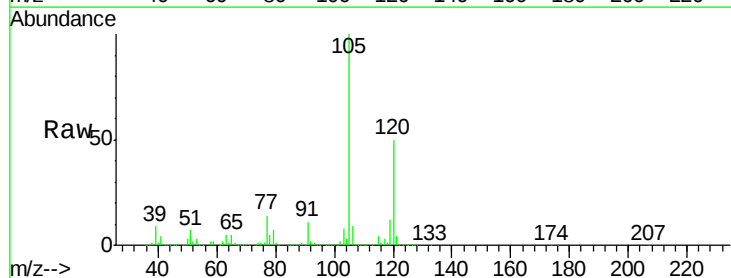
Acq: 20 Aug 2019 09:06

Tgt Ion:105 Resp: 644959

Ion Ratio Lower Upper

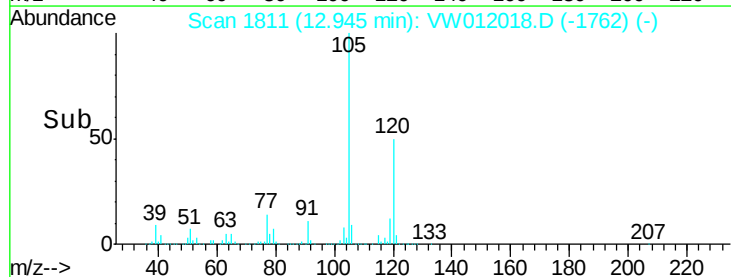
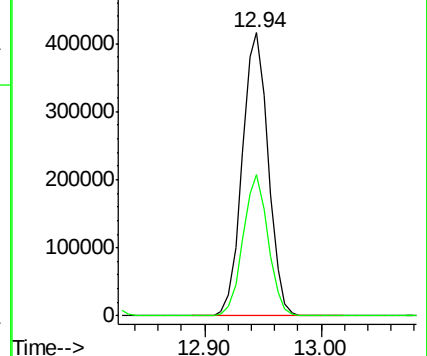
105 100

120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





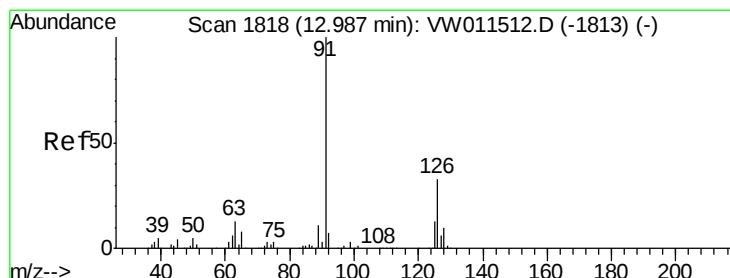
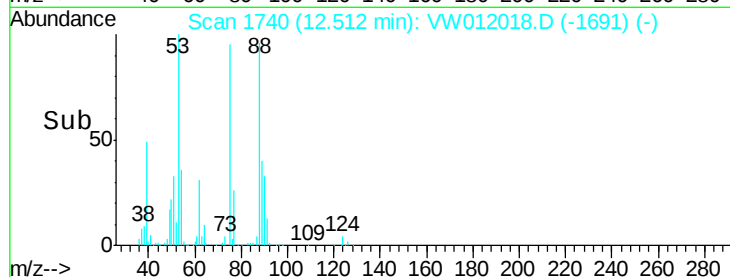
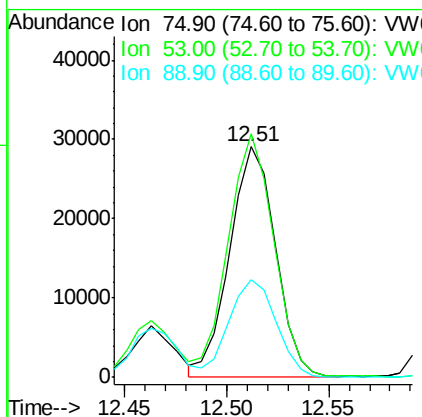
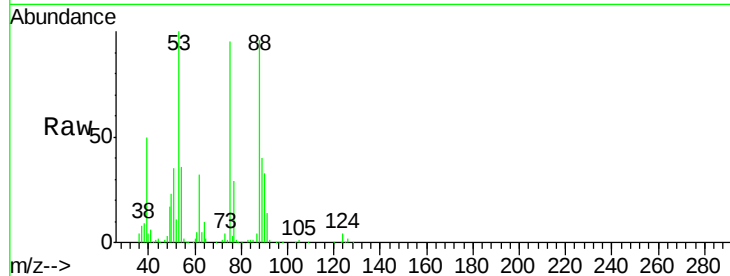
#81
trans-1,4-Dichloro-2-butene
Concen: 55.556 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.6	88.0	132.0
89	43.9	35.3	52.9

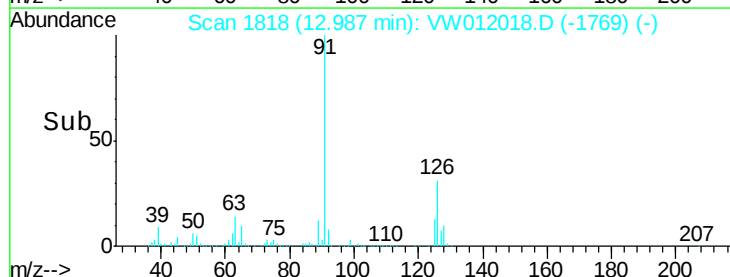
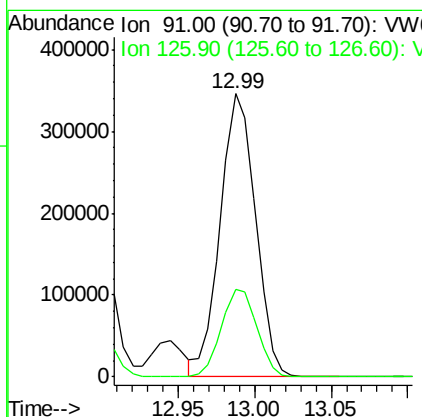
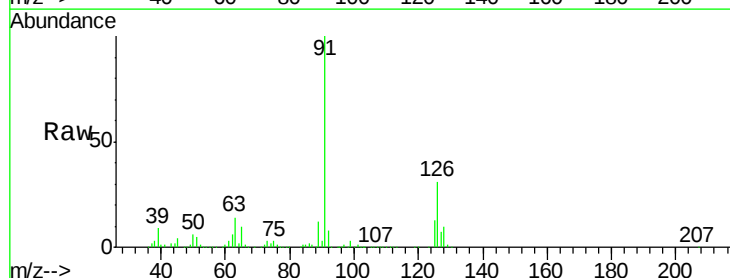
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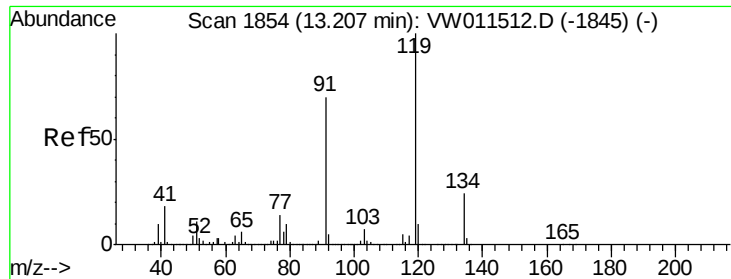
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#82
4-Chlorotoluene
Concen: 57.296 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





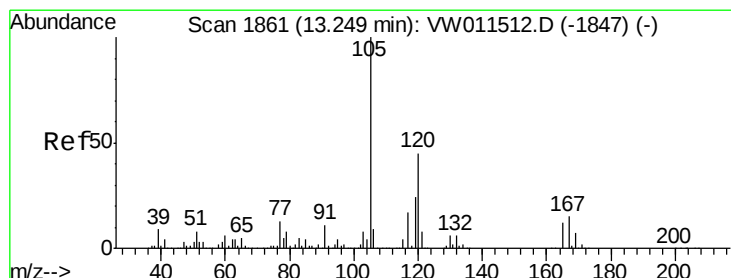
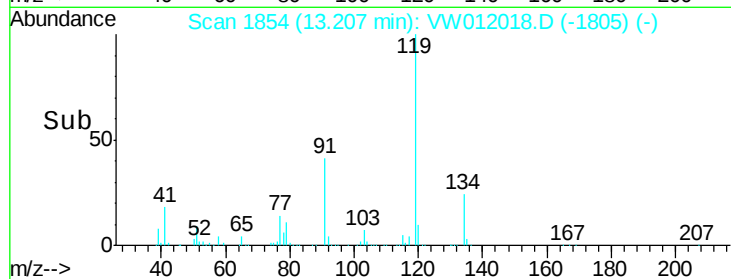
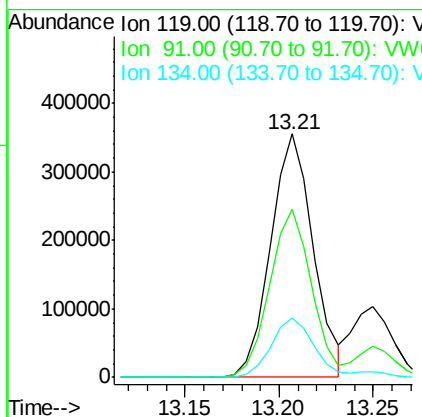
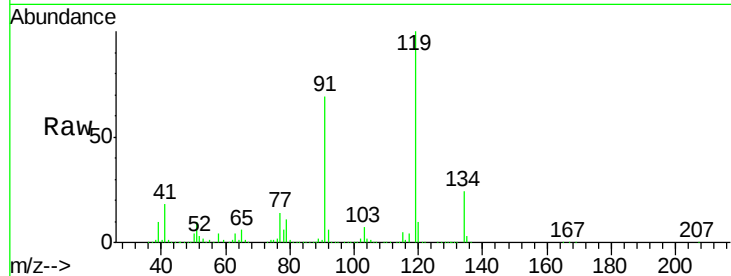
#83
 tert-Butylbenzene
 Concen: 60.324 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	555192		
91	67.7		34.5	103.6
134	24.6		12.4	37.4

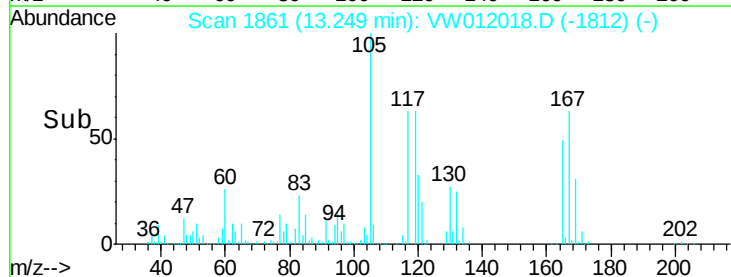
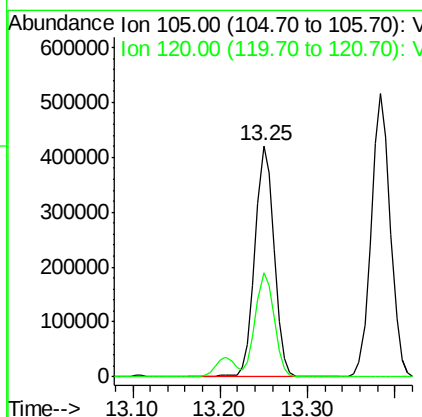
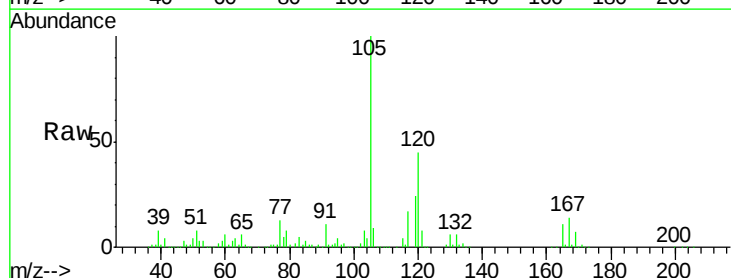
Manual Integrations
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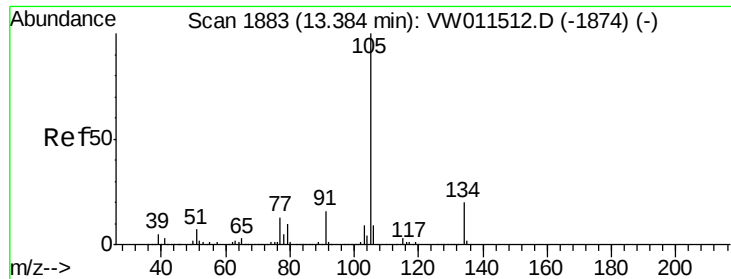
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.441 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	636838		
120	44.4		22.1	66.5





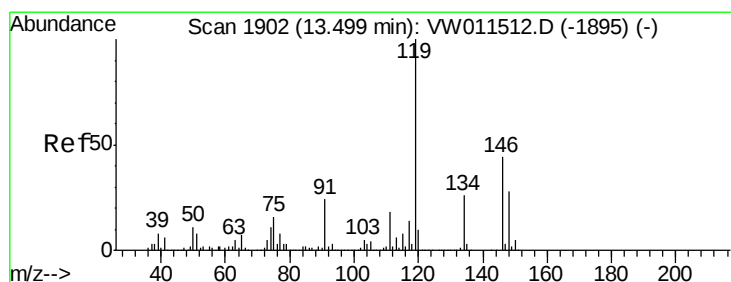
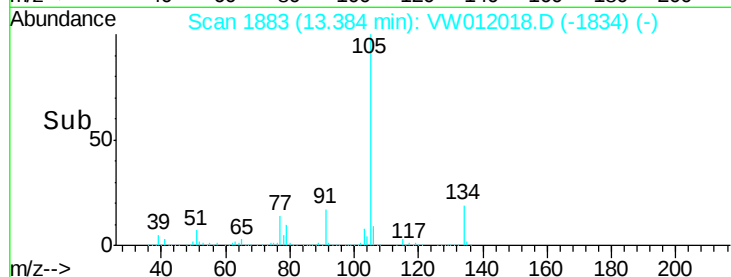
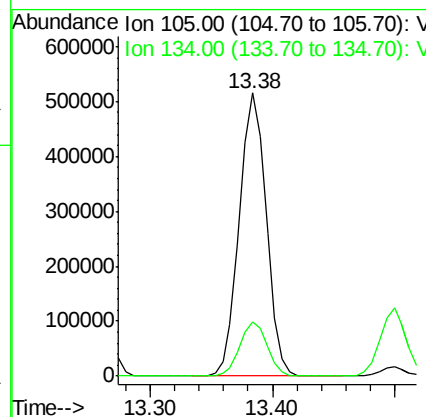
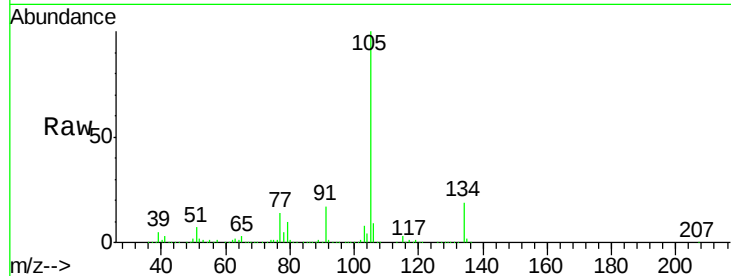
#85
 sec-Butylbenzene
 Concen: 59.934 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

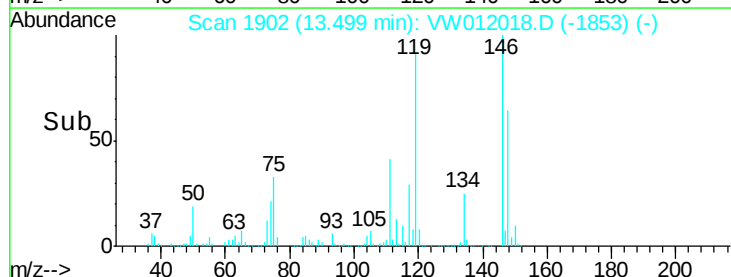
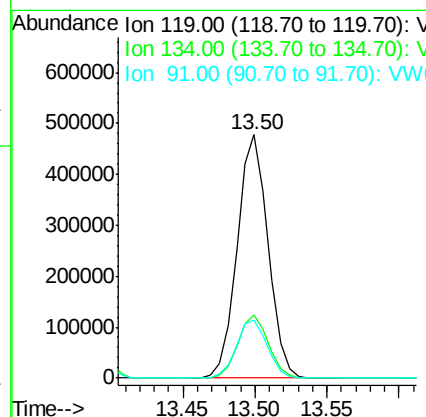
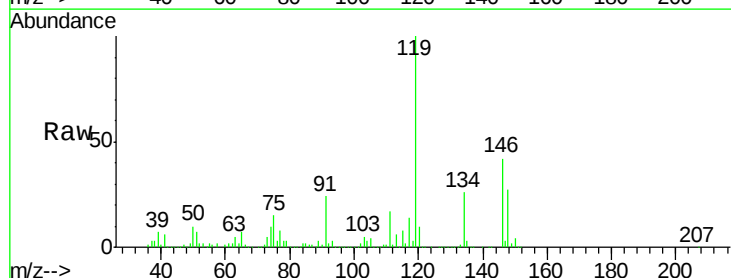
Manual Integrations
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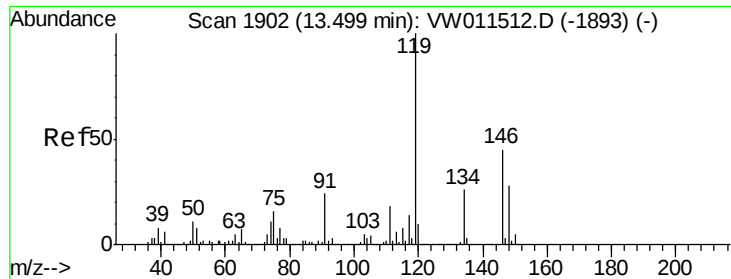
MMDadoda
 8/21/2019 8:28:43 AM



#86
 p-Isopropyltoluene
 Concen: 59.560 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.0	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 56.087 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Instrument :

MSVOA_W

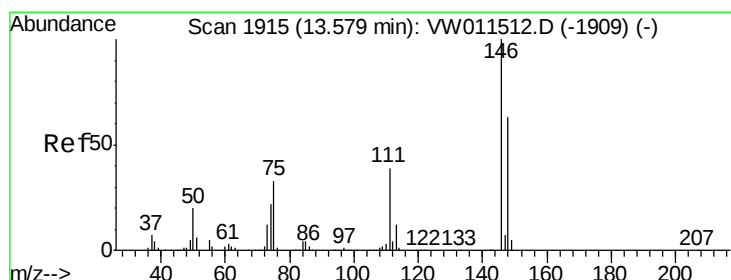
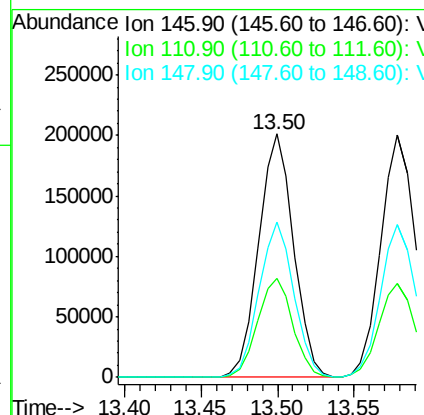
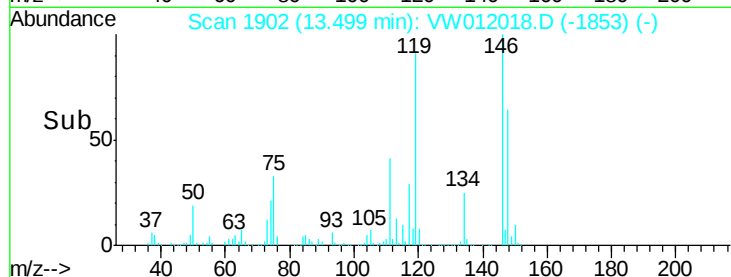
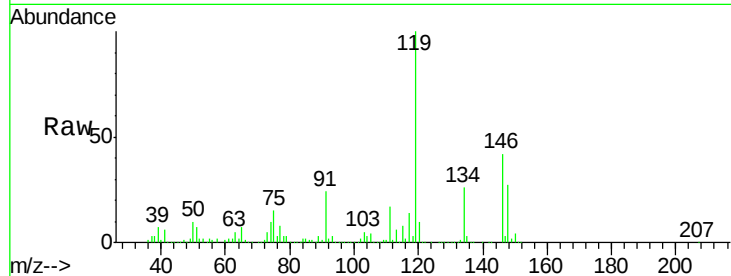
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	319146		
111	41.0	20.5	61.6	
148	63.7	31.8	95.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 55.692 ug/l

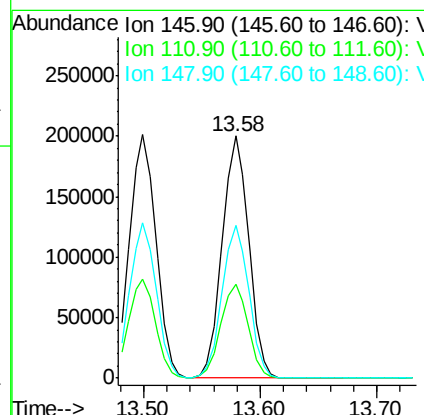
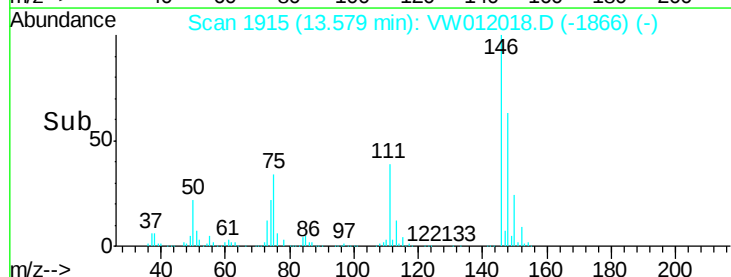
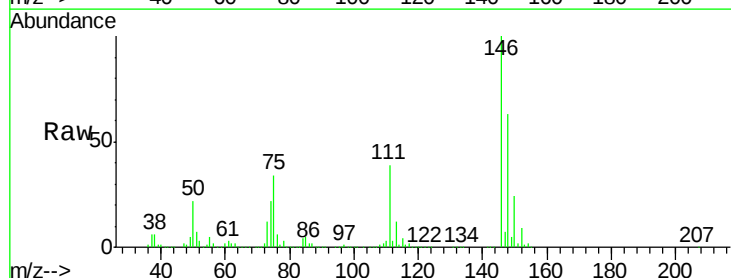
RT: 13.58 min Scan# 1915

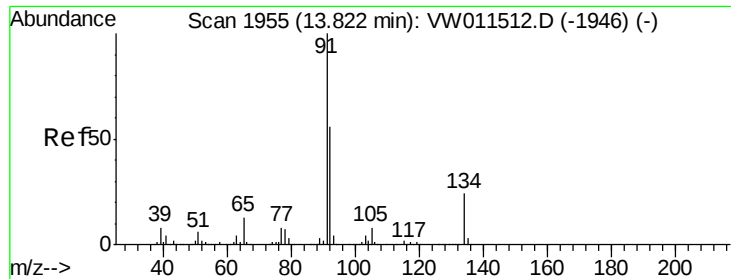
Delta R.T. 0.00 min

Lab File: VW012018.D

Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	315242		
111	39.9	20.1	60.2	
148	63.7	31.9	95.9	





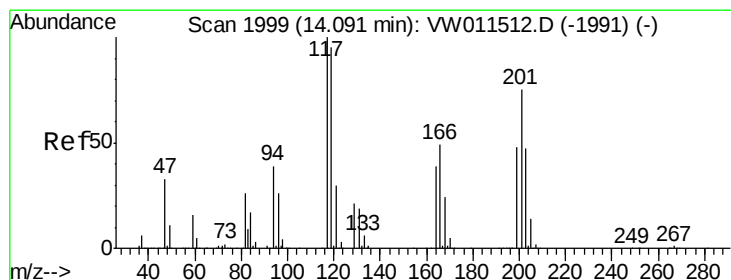
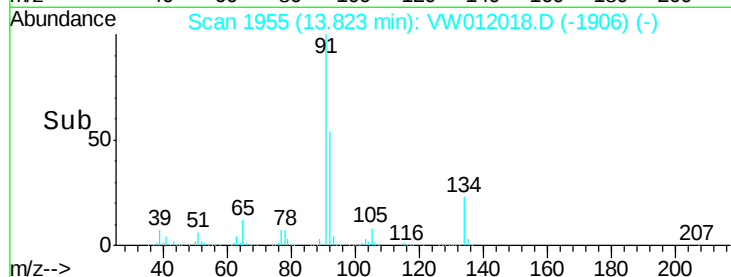
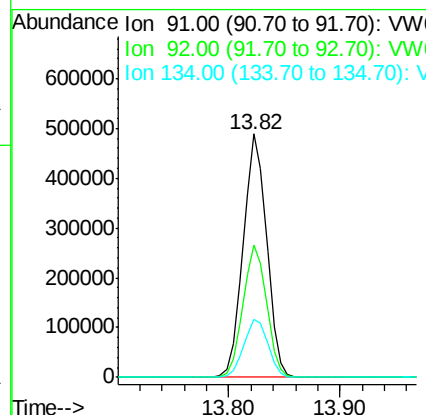
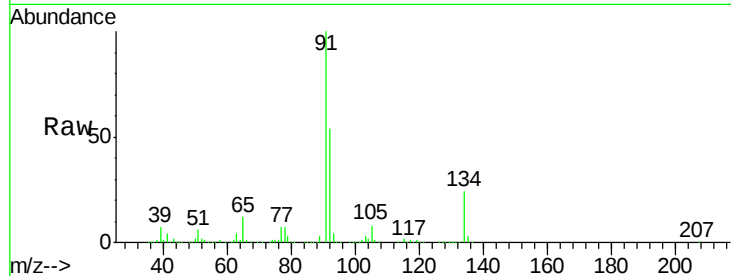
#89
n-Butylbenzene
Concen: 59.960 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	24.5	12.2	36.6

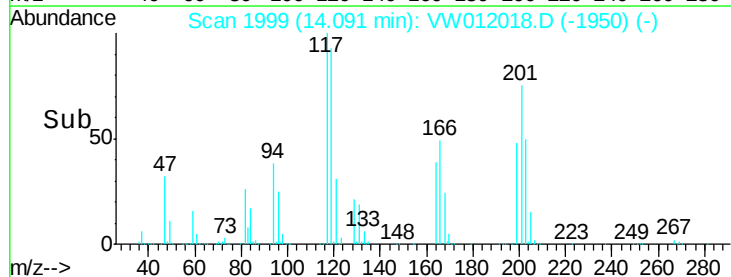
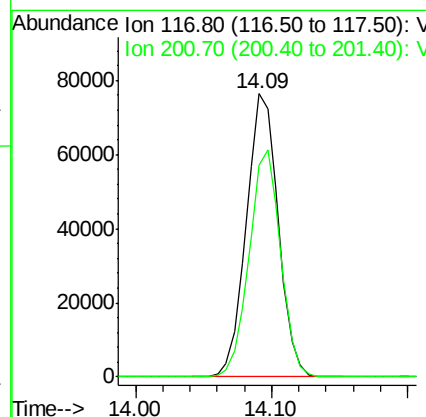
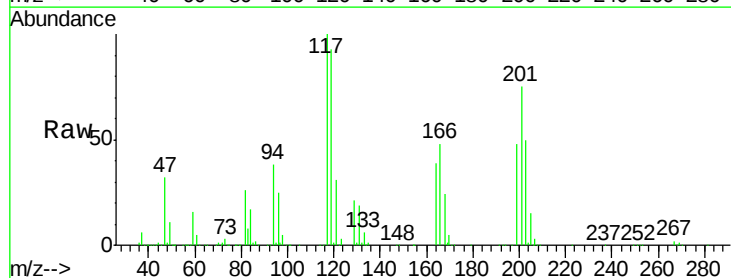
Manual Integrations
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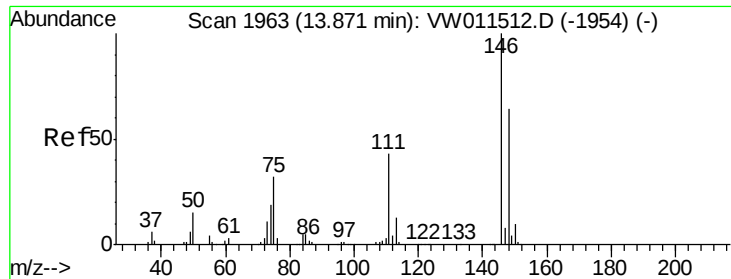
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#90
Hexachloroethane
Concen: 59.579 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	39.4	118.2





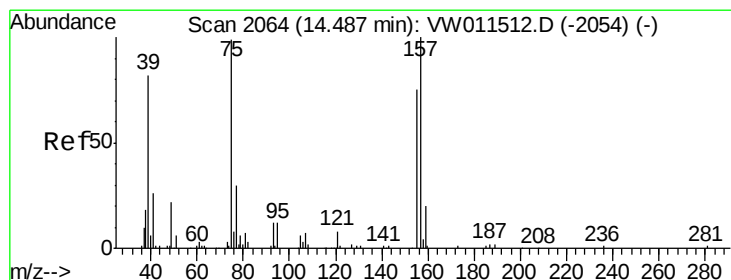
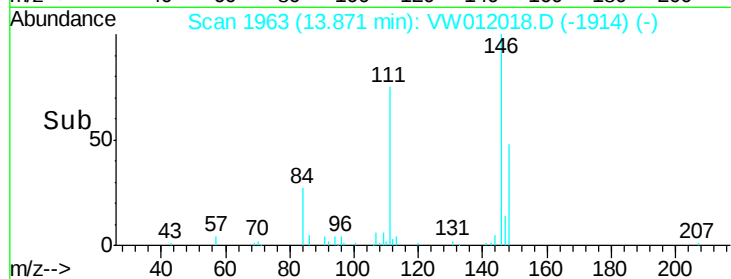
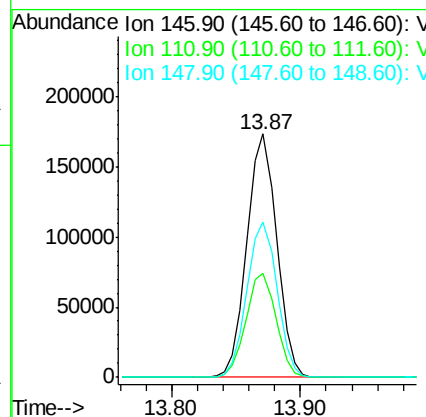
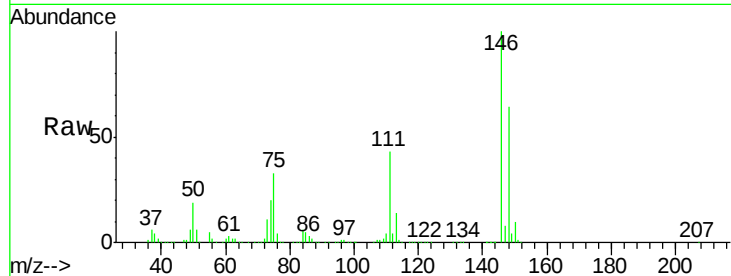
#91
 1,2-Dichlorobenzene
 Concen: 55.093 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	64.4	32.0	96.2

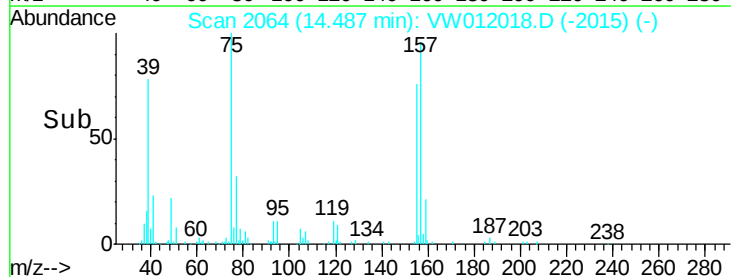
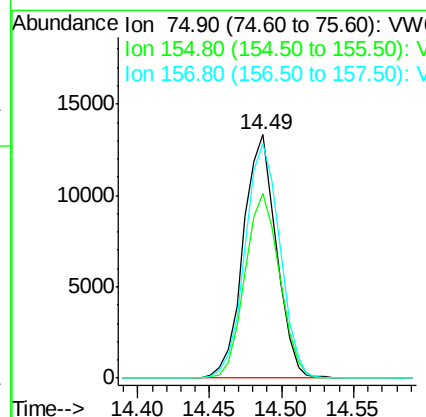
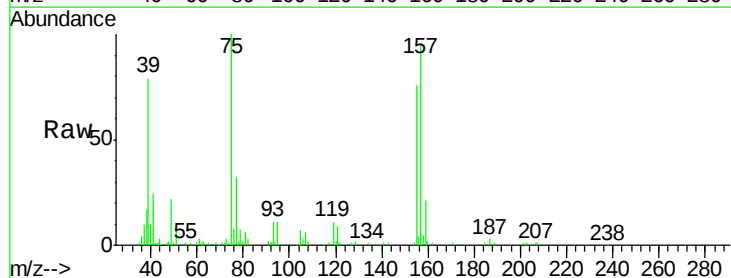
Manual Integrations
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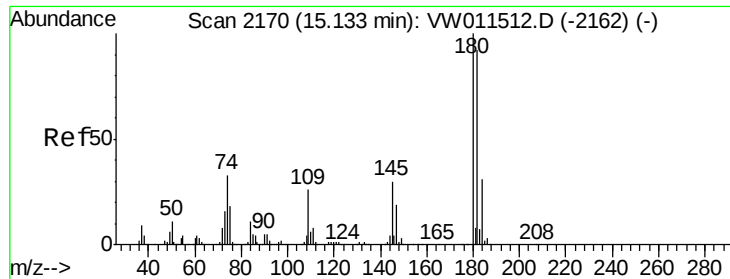
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.278 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.4	38.2	114.6
157	101.7	48.9	146.7





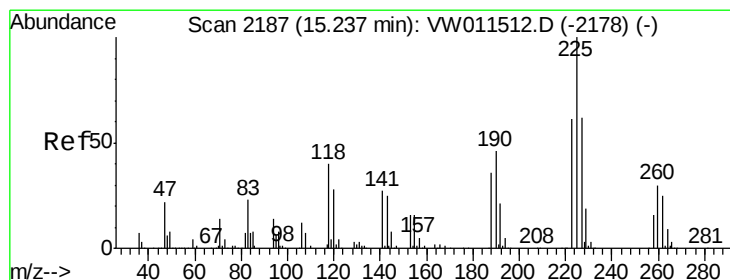
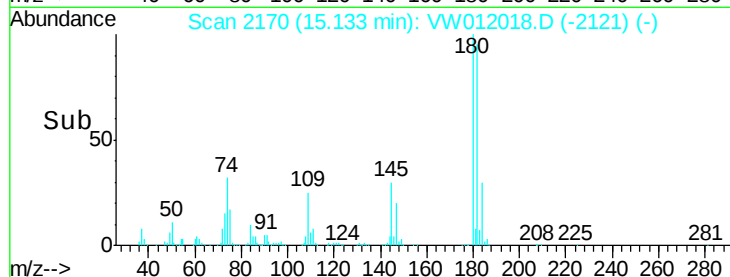
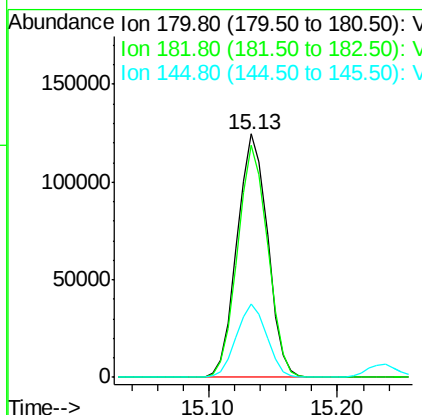
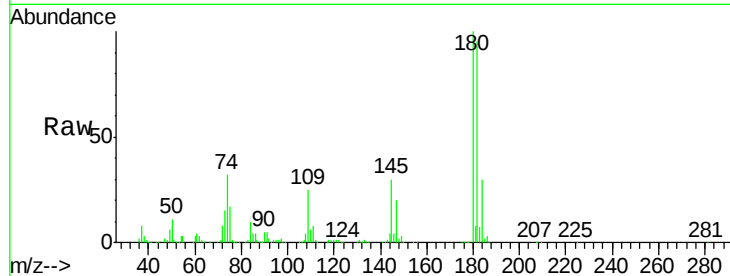
#93
 1,2,4-Trichlorobenzene
 Concen: 57.715 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	204709		
182	94.1	47.4	142.2	
145	30.0	15.4	46.1	

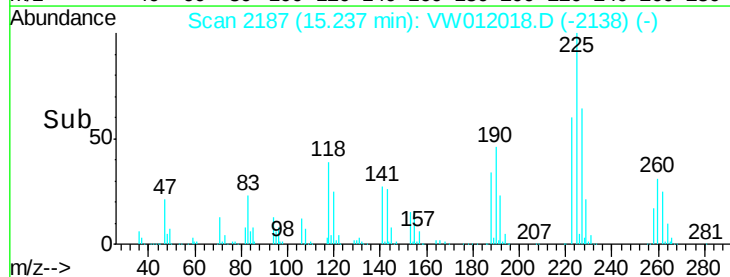
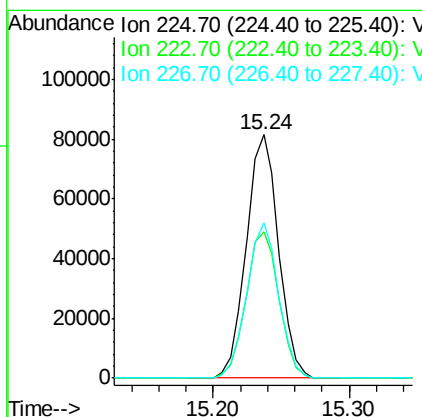
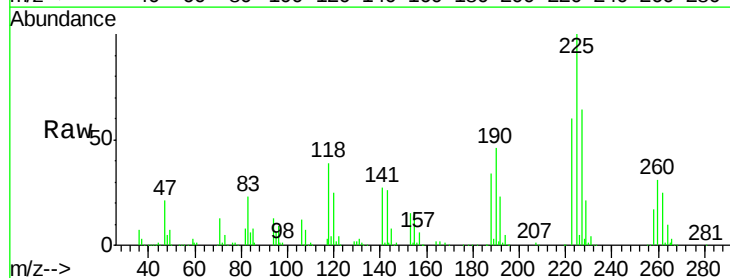
Manual Integrations
 APPROVED

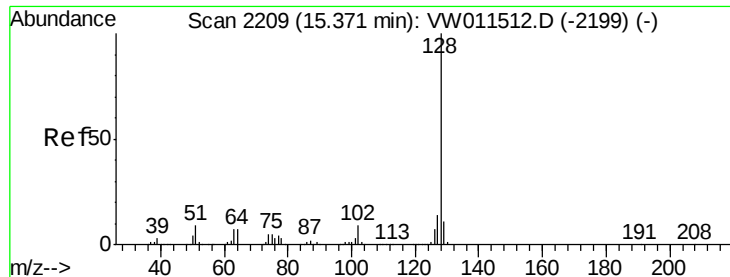
MMDadoda
 8/21/2019 8:28:43 AM



#94
 Hexachlorobutadiene
 Concen: 61.202 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012018.D
 Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135374		
223	61.2	30.8	92.3	
227	63.2	31.6	94.7	





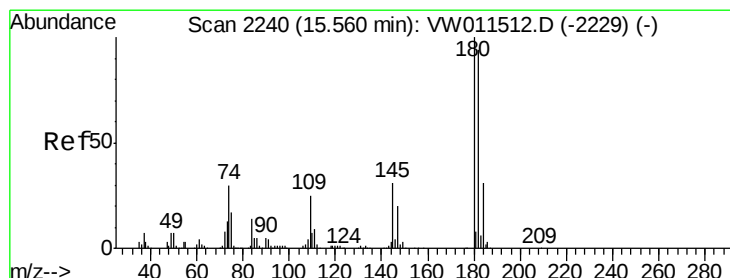
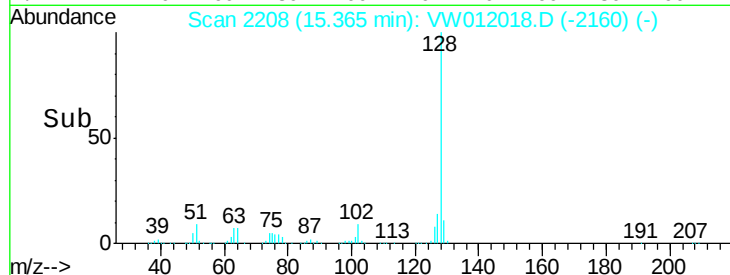
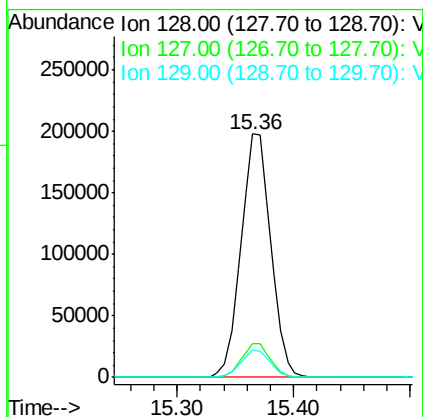
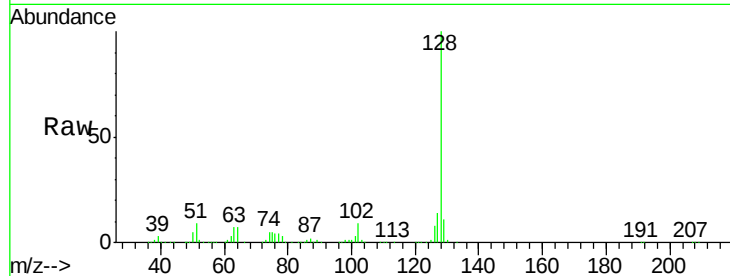
#95
Naphthalene
Concen: 50.995 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:28:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.902 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012018.D
Acq: 20 Aug 2019 09:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.4	142.2
145	32.2	15.9	47.7

