

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011994.D
 Acq On : 19 Aug 2019 16:23
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:56:12 AM

Quant Time: Aug 19 16:49:59 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	253920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	404016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170293	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	134923	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	7.88	113	114556	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.32	98	467645	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.62	95	165572	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	72188	51.011	ug/l	99
3) Chloromethane	2.21	50	124077	50.564	ug/l	100
4) Vinyl Chloride	2.36	62	160944	54.478	ug/l	99
5) Bromomethane	2.77	94	83951	51.339	ug/l	97
6) Chloroethane	2.92	64	93502	55.407	ug/l	98
7) Trichlorofluoromethane	3.25	101	81192	61.495	ug/l	94
8) Diethyl Ether	3.68	74	80335	53.665	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	142140	56.752	ug/l	99
10) Methyl Iodide	4.27	142	202615	57.245	ug/l	98
11) Tert butyl alcohol	5.17	59	55979	260.930	ug/l	99
12) 1,1-Dichloroethene	4.04	96	148192	56.039	ug/l	99
13) Acrolein	3.89	56	40910	195.544	ug/l	97
14) Allyl chloride	4.67	41	314631	55.939	ug/l	99
15) Acrylonitrile	5.36	53	204235	273.305	ug/l	99
16) Acetone	4.12	43	221579	238.904	ug/l	100
17) Carbon Disulfide	4.39	76	430101	51.965	ug/l	99
18) Methyl Acetate	4.67	43	105982	50.866	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	235858	56.204	ug/l	97
20) Methylene Chloride	4.92	84	162303	50.740	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	159228	55.849	ug/l	94
22) Diisopropyl ether	6.31	45	595695	56.175	ug/l	98
23) Vinyl Acetate	6.25	43	1841955	276.434	ug/l	99
24) 1,1-Dichloroethane	6.21	63	318209	56.029	ug/l	100
25) 2-Butanone	7.17	43	305544	251.759	ug/l	98
26) 2,2-Dichloropropane	7.17	77	179662	51.439	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	175833	56.037	ug/l	98
28) Bromochloromethane	7.51	49	136872	54.296	ug/l	97
29) Tetrahydrofuran	7.53	42	187282	269.966	ug/l	98
30) Chloroform	7.68	83	288976	55.153	ug/l	99
31) Cyclohexane	7.96	56	296558	54.398	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	232208	58.193	ug/l	98
36) 1,1-Dichloropropene	8.08	75	244541	58.210	ug/l	100
37) Ethyl Acetate	7.25	43	130785	54.111	ug/l	99
38) Carbon Tetrachloride	8.07	117	211680	58.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	277808	60.056	ug/l	99
40) Benzene	8.32	78	673571	57.241	ug/l	99
41) Methacrylonitrile	7.48	41	78300	54.195	ug/l	97
42) 1,2-Dichloroethane	8.40	62	205414	55.756	ug/l	99
43) Isopropyl Acetate	8.42	43	251626	56.609	ug/l	100
44) Trichloroethene	9.09	130	166300	58.800	ug/l	99
45) 1,2-Dichloropropane	9.37	63	182373	57.923	ug/l	99
46) Dibromomethane	9.46	93	80841	56.255	ug/l	98
47) Bromodichloromethane	9.65	83	216676	57.480	ug/l	98
48) Methyl methacrylate	9.43	41	121181	56.754	ug/l	99
49) 1,4-Dioxane	9.45	88	25765	1238.248	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	647000	279.838	ug/l	99
52) Toluene	10.39	92	415655	58.491	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	229088	58.178	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	274094	58.543	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	117388	57.572	ug/l	98
56) Ethyl methacrylate	10.65	69	178119	59.698	ug/l	98
57) 1,3-Dichloropropane	10.93	76	222034	57.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	444157	327.864	ug/l	99
59) 2-Hexanone	10.97	43	468018	286.695	ug/l	98
60) Dibromochloromethane	11.13	129	131017	57.888	ug/l	100
61) 1,2-Dibromoethane	11.24	107	110438	57.235	ug/l	100
64) Tetrachloroethene	10.86	164	135619	59.065	ug/l	98
65) Chlorobenzene	11.66	112	413936	58.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	146273	59.230	ug/l	100
67) Ethyl Benzene	11.73	91	804587	59.586	ug/l	99
68) m/p-Xylenes	11.84	106	583648	118.854	ug/l	99
69) o-Xylene	12.16	106	274406	60.134	ug/l	99
70) Styrene	12.18	104	473650	60.033	ug/l	99
71) Bromoform	12.35	173	74697	59.324	ug/l #	98
73) Isopropylbenzene	12.46	105	769028	60.533	ug/l	100
74) N-amyl acetate	12.27	43	242580	60.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	136609	57.167	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	97466m	54.091	ug/l	
77) Bromobenzene	12.74	156	164962	58.747	ug/l	99
78) n-propylbenzene	12.80	91	936138	60.548	ug/l	99
79) 2-Chlorotoluene	12.89	91	528512	59.335	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	647291	60.782	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47456	60.697	ug/l	99
82) 4-Chlorotoluene	12.99	91	540261	57.810	ug/l	99
83) tert-Butylbenzene	13.21	119	555418	62.368	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	646479	60.263	ug/l	100
85) sec-Butylbenzene	13.38	105	785547	61.820	ug/l	100
86) p-Isopropyltoluene	13.50	119	712121	61.767	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	324842	58.999	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	320525	58.521	ug/l	99
89) n-Butylbenzene	13.82	91	715397	62.179	ug/l	100
90) Hexachloroethane	14.09	117	124558	61.097	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	286956	58.927	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23359	57.323	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	206391	60.137	ug/l	99
94) Hexachlorobutadiene	15.24	225	133706	62.471	ug/l	98
95) Naphthalene	15.36	128	378995	56.111	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	180756	60.084	ug/l	99

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

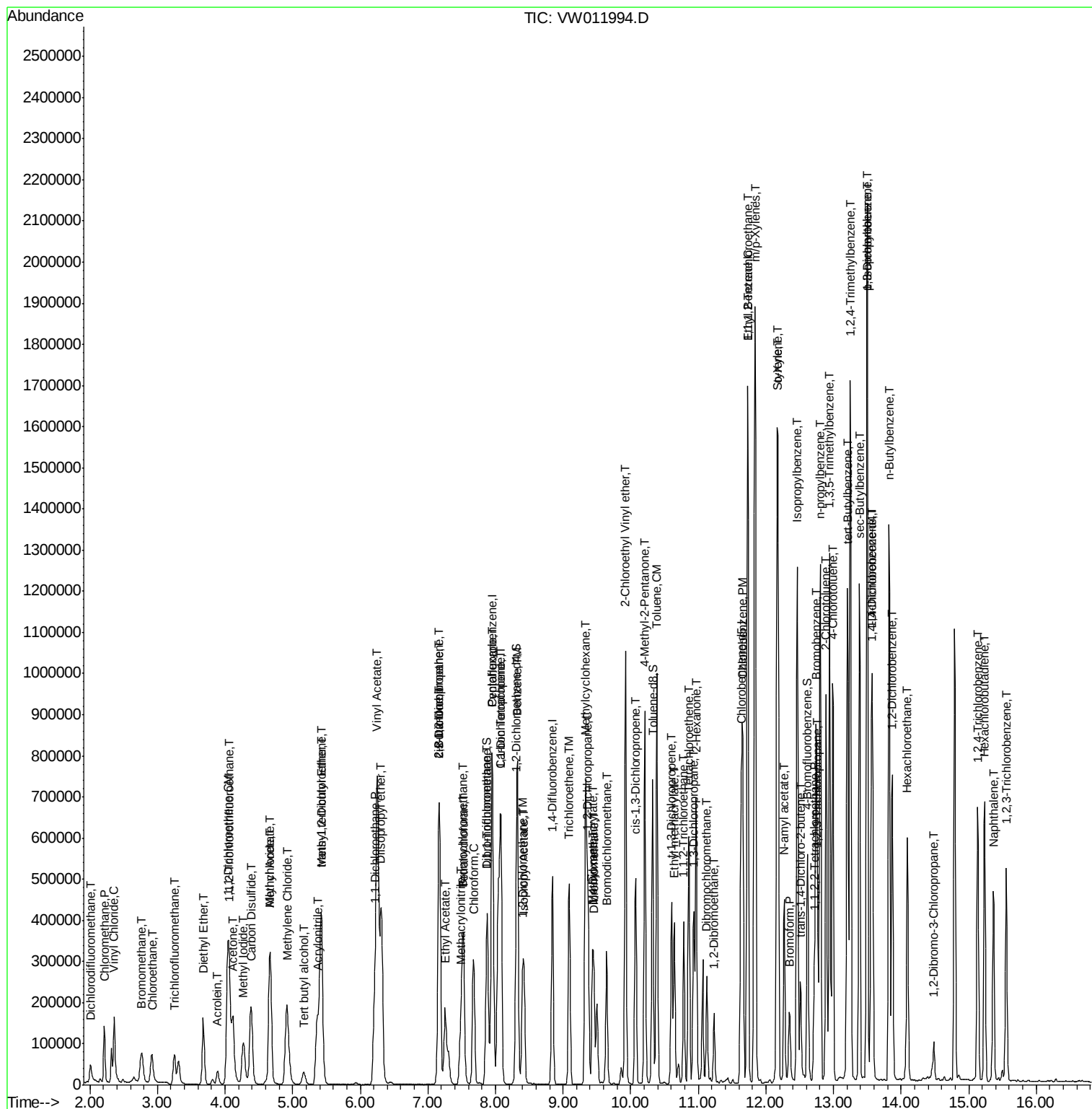
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 Acq On : 19 Aug 2019 16:23
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 253920

Ion Ratio Lower Upper

168 100

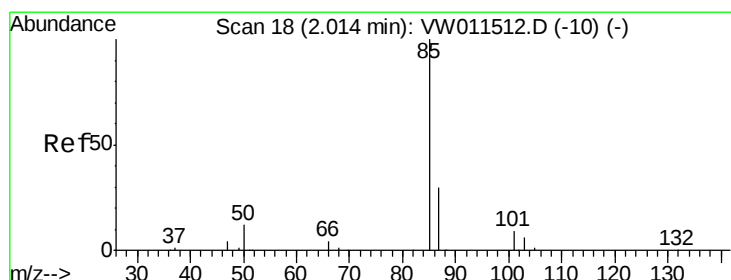
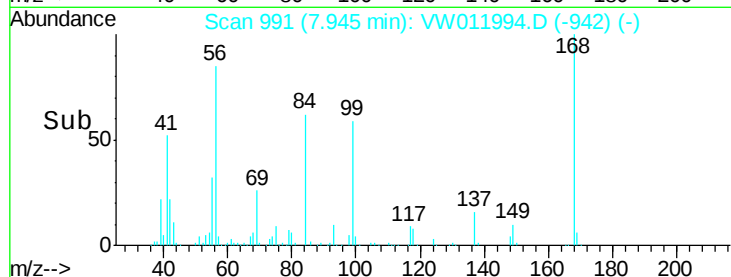
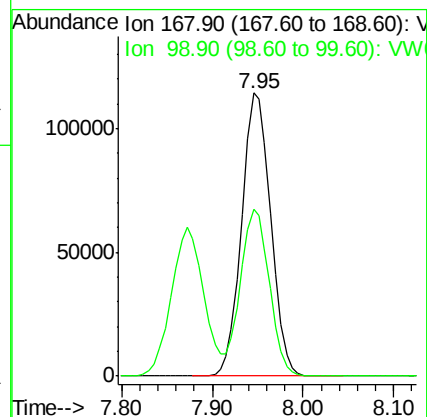
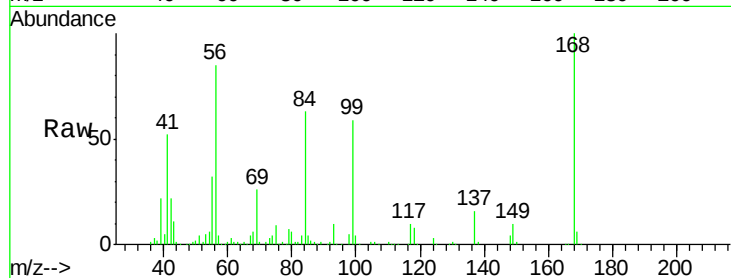
99 58.9 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 51.011 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011994.D

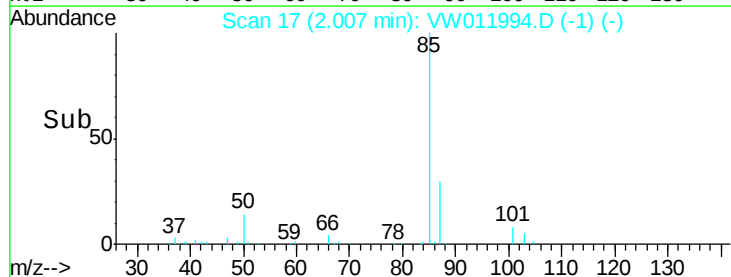
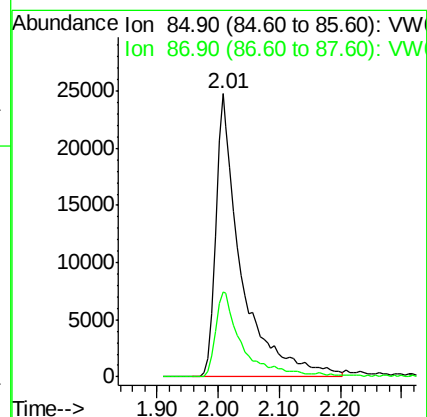
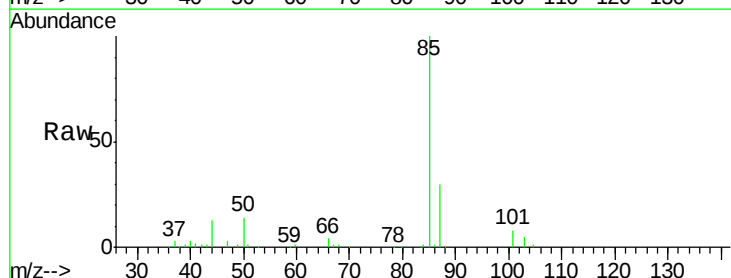
Acq: 19 Aug 2019 16:23

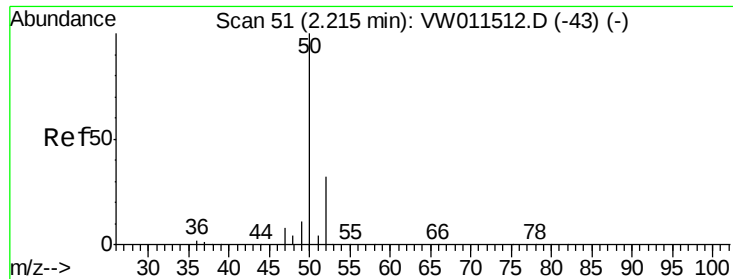
Tgt Ion: 85 Resp: 72188

Ion Ratio Lower Upper

85 100

87 30.1 15.2 45.6





#3

Chloromethane

Concen: 50.564 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 124077

Ion Ratio Lower Upper

50 100

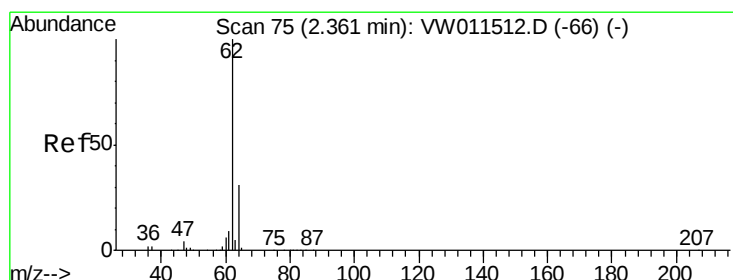
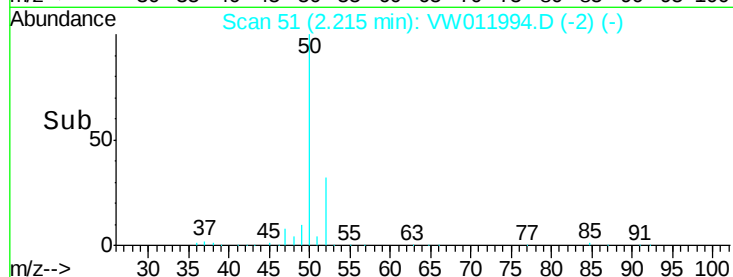
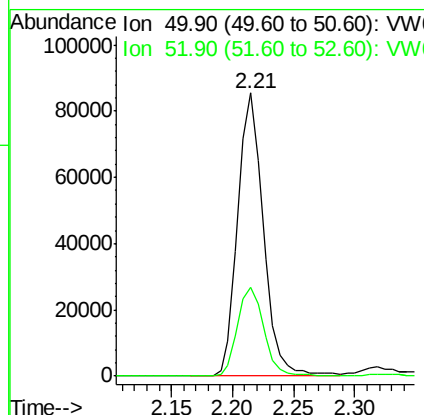
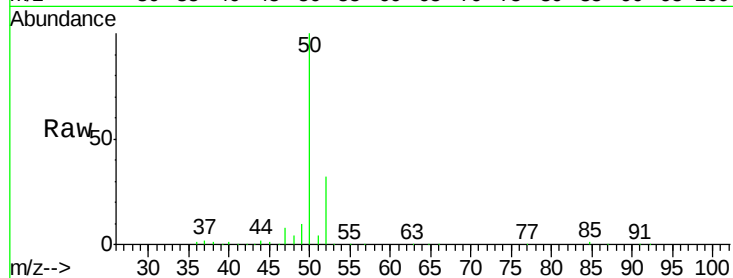
52 31.5 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.478 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011994.D

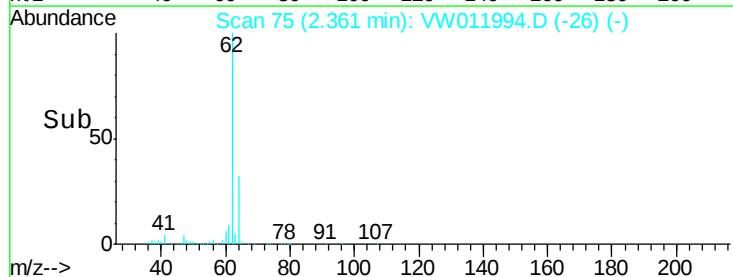
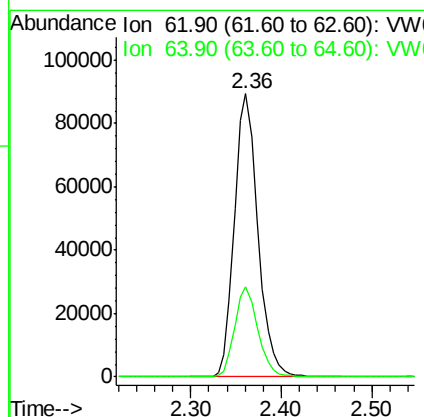
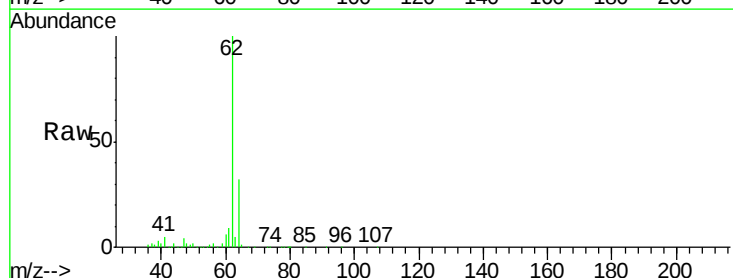
Acq: 19 Aug 2019 16:23

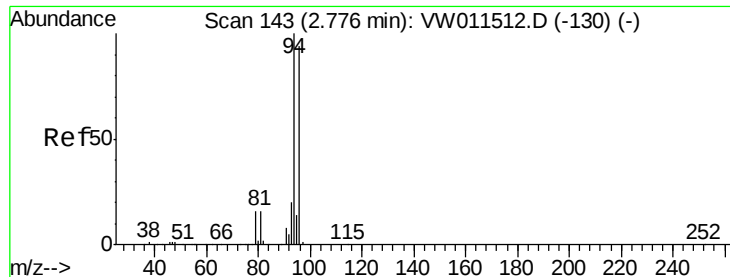
Tgt Ion: 62 Resp: 160944

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 51.339 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 83951

Ion Ratio Lower Upper

94 100

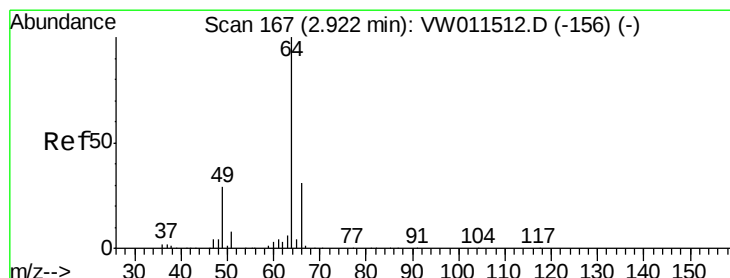
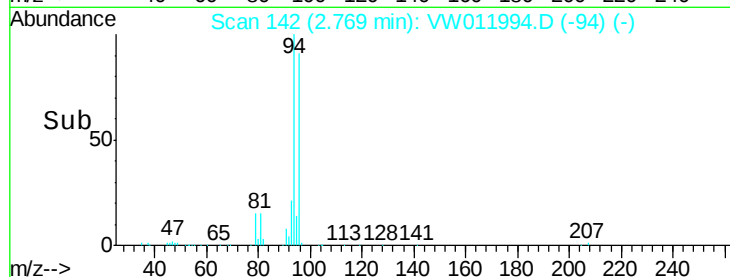
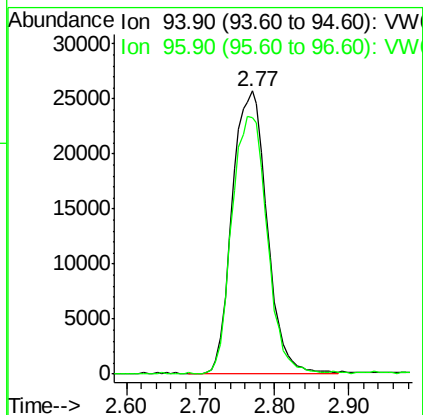
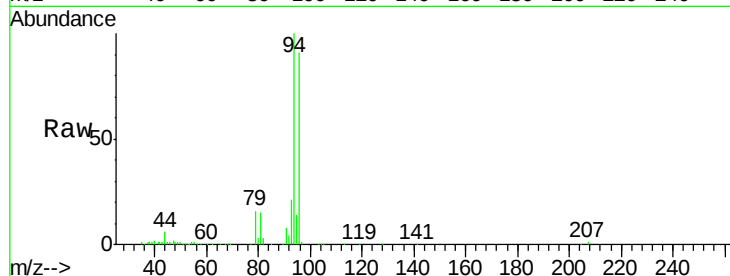
96 90.5 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 55.407 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011994.D

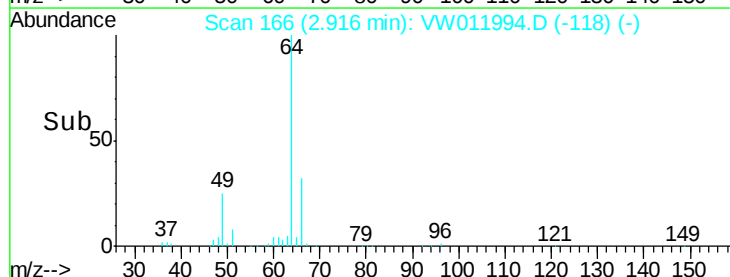
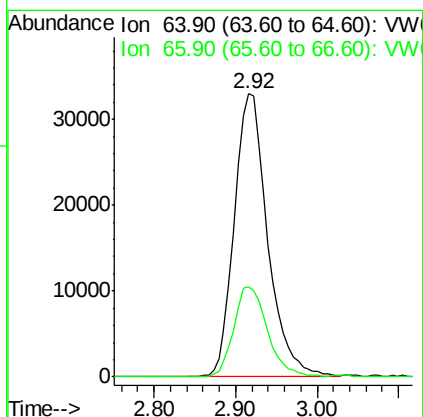
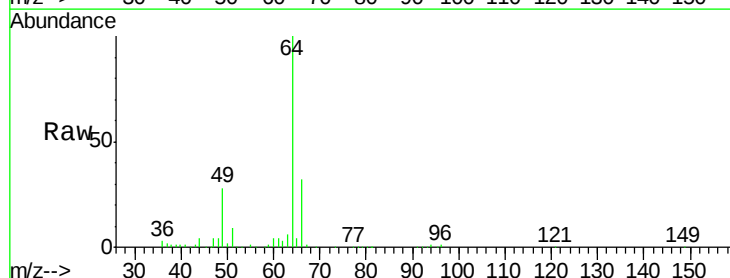
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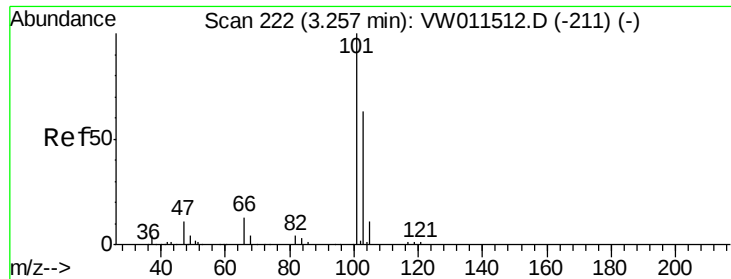
Tgt Ion: 64 Resp: 93502

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8





#7

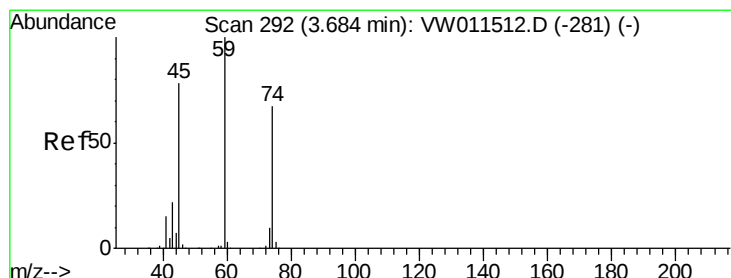
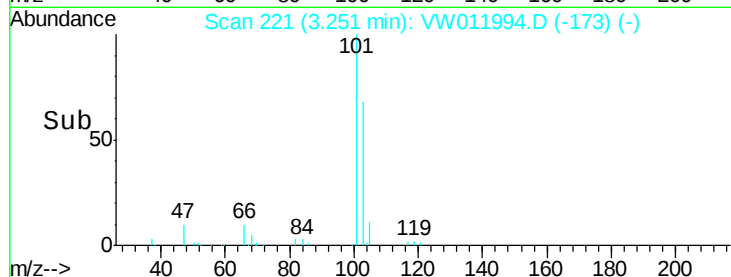
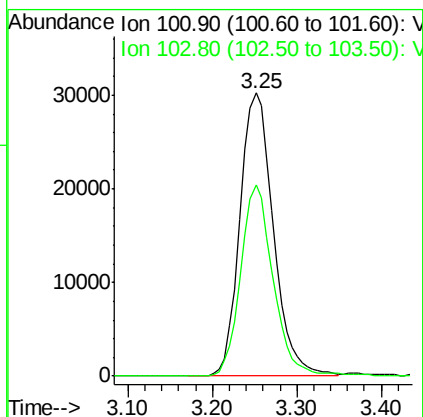
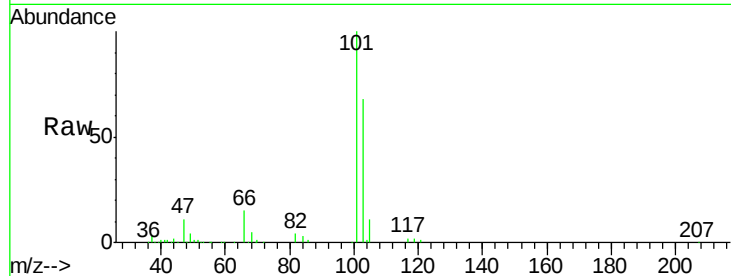
Trichlorofluoromethane
Concen: 61.495 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	81192		
103	67.7	50.2	75.4	

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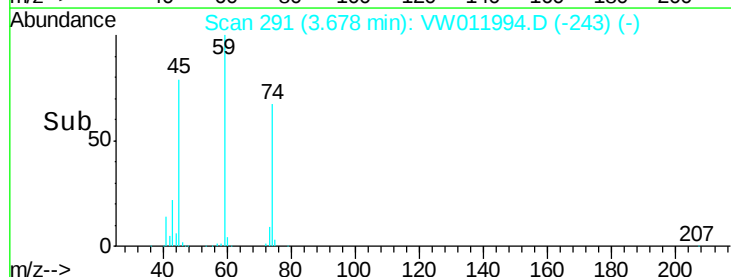
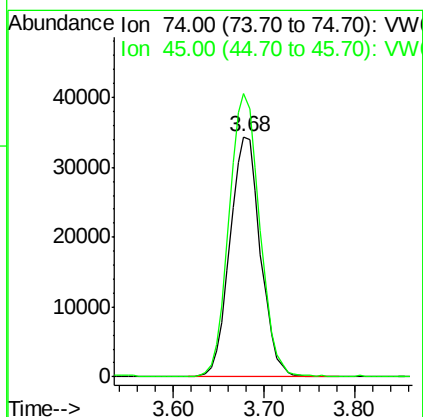
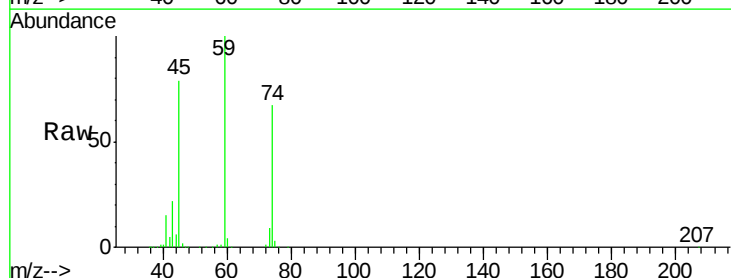
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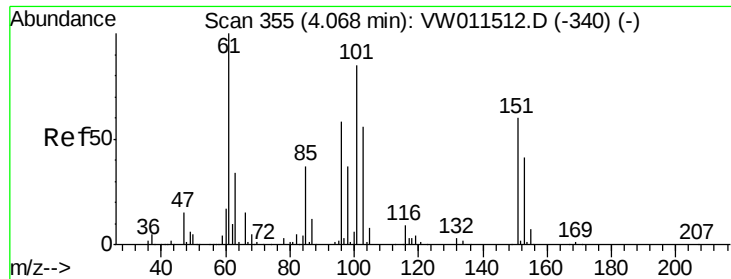


#8

Diethyl Ether
Concen: 53.665 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	80335		
45	118.3	59.6	178.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.752 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011994.D

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MSVOA_W

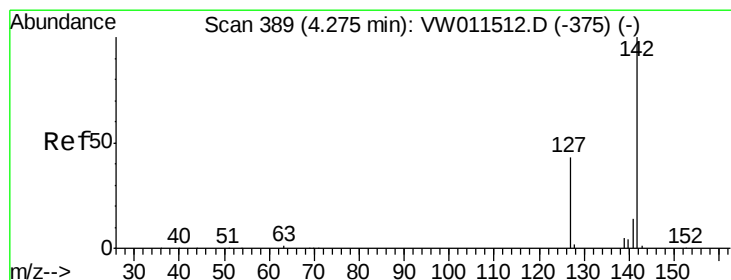
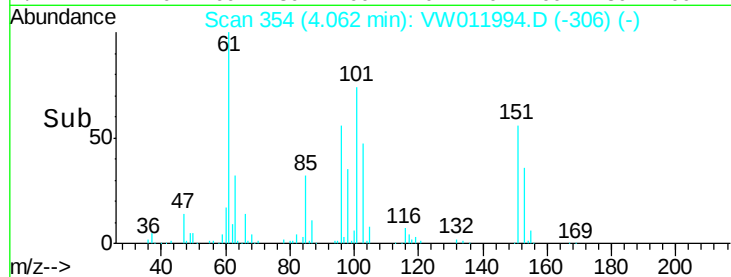
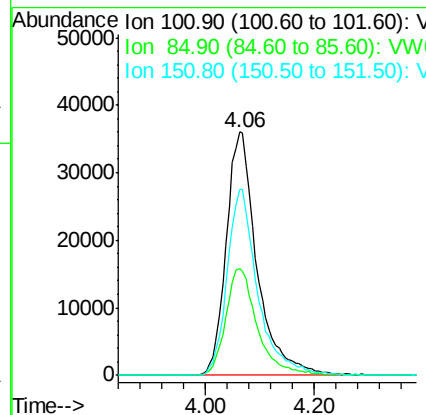
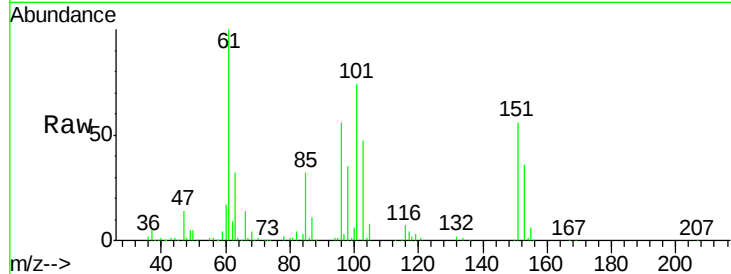
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	142140
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	75.9	60.2	90.2

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#10

Methyl Iodide

Concen: 57.245 ug/l

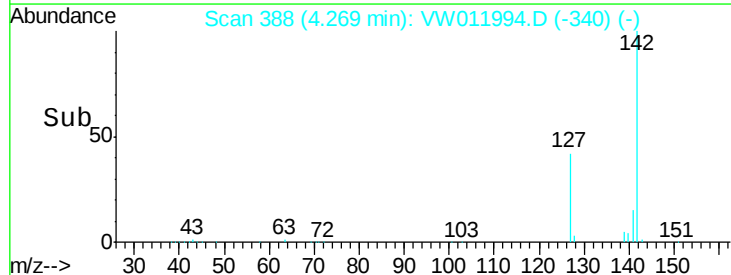
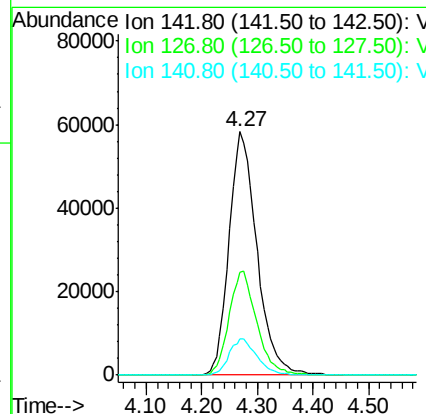
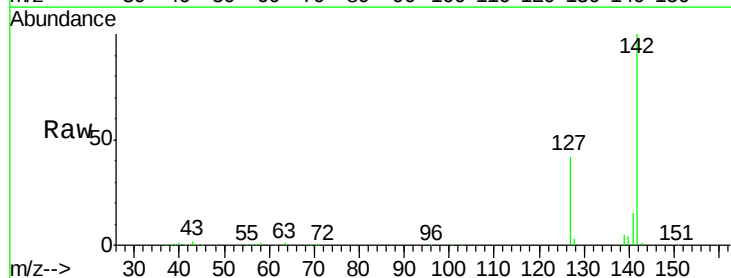
RT: 4.27 min Scan# 388

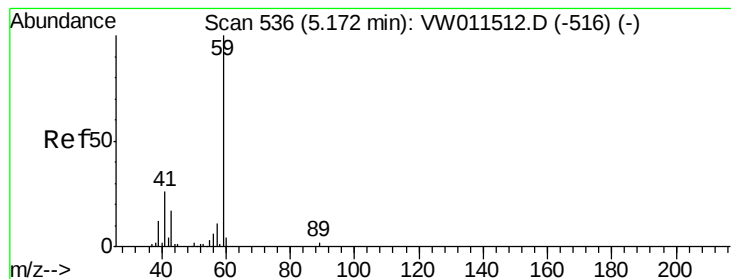
Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion:	142	Resp:	202615
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.0	52.6
141	14.8	11.9	17.9





#11

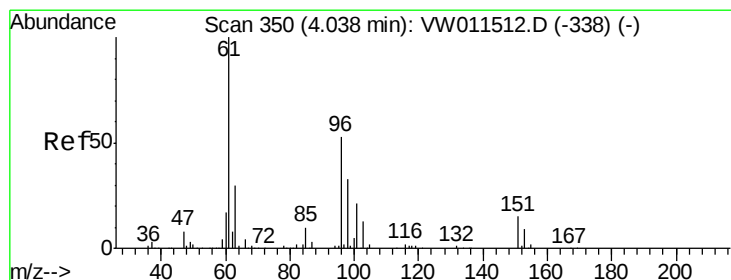
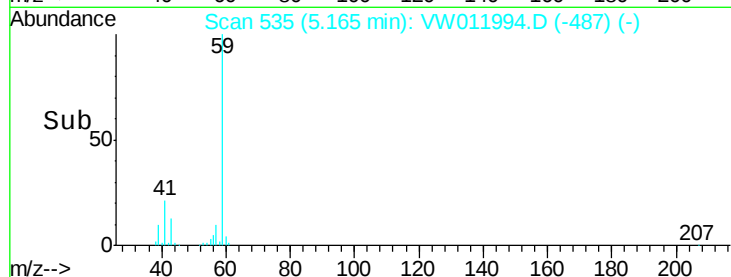
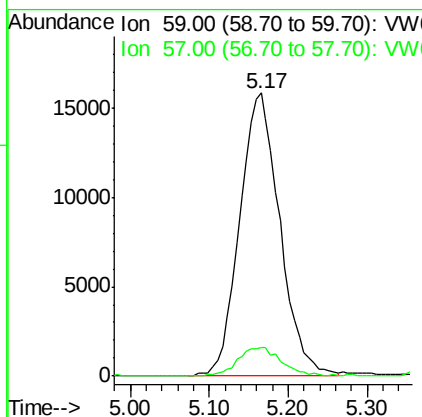
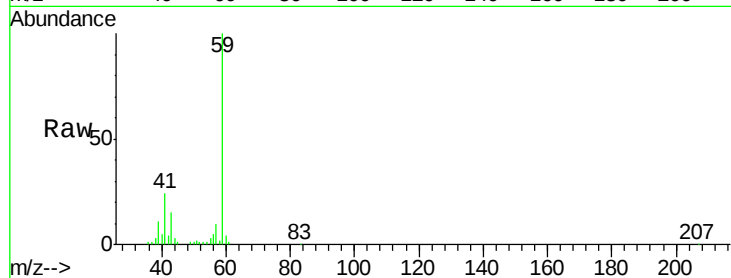
Tert butyl alcohol
 Concen: 260.930 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.5	12.7

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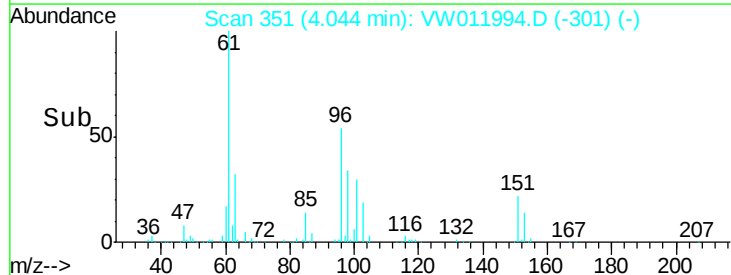
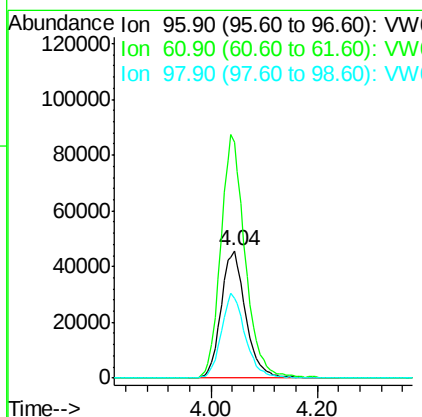
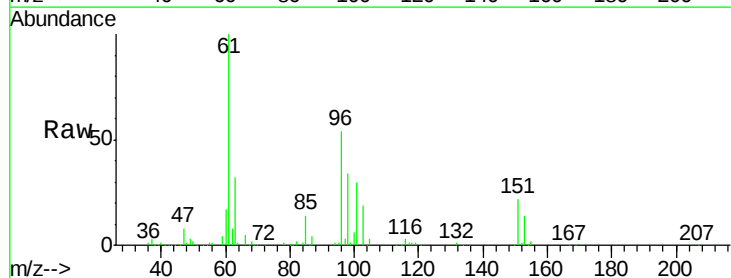
MMDadoda
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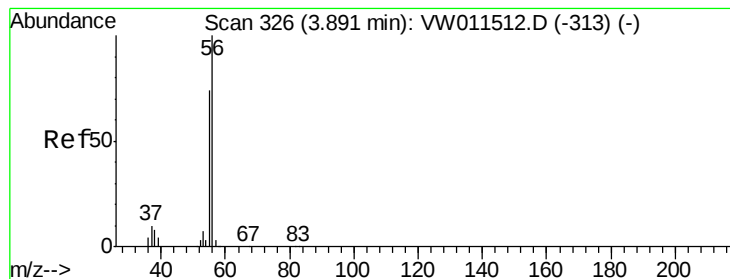


#12

1,1-Dichloroethene
 Concen: 56.039 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.2	149.9	224.9
98	62.5	49.1	73.7





#13

Acrolein

Concen: 195.544 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 40910

Ion Ratio Lower Upper

56 100

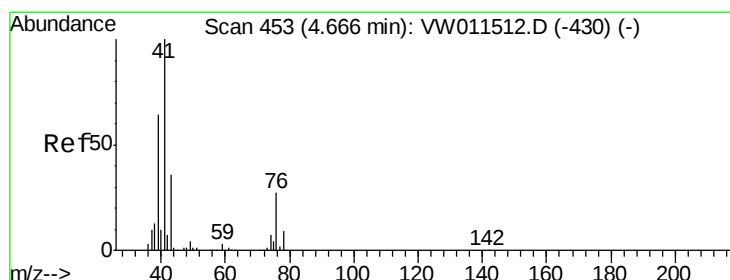
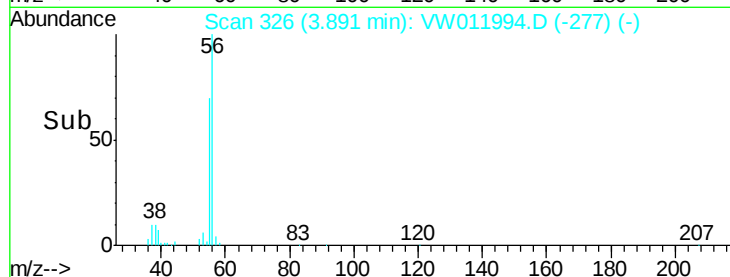
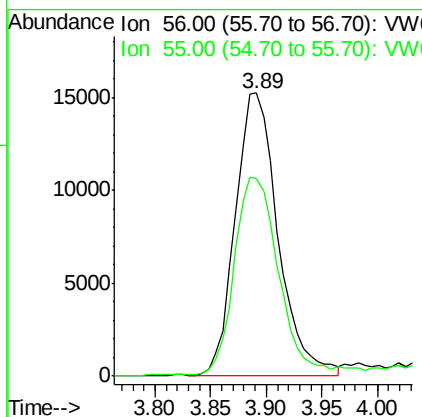
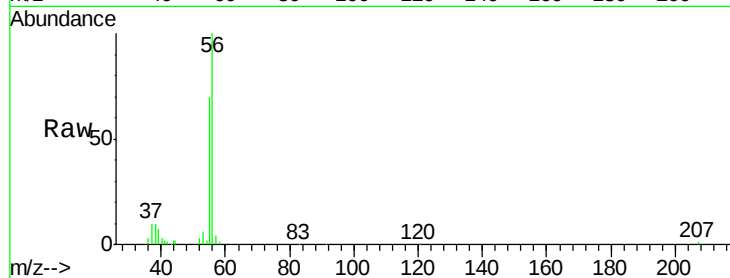
55 72.4 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 55.939 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

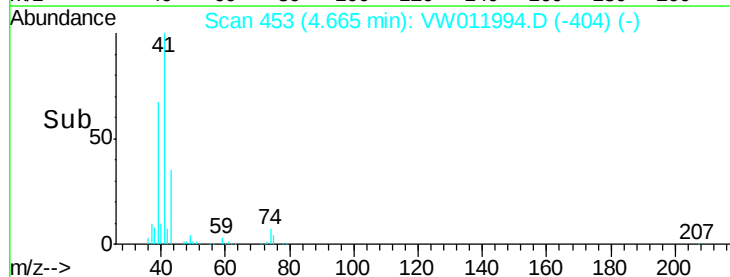
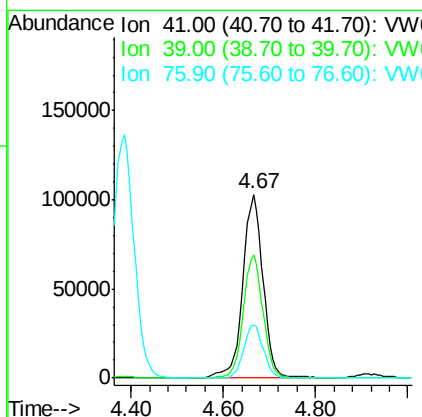
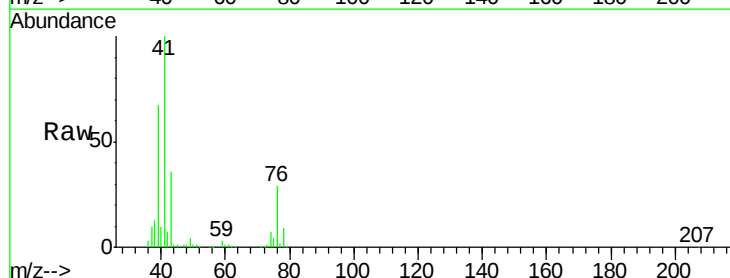
Tgt Ion: 41 Resp: 314631

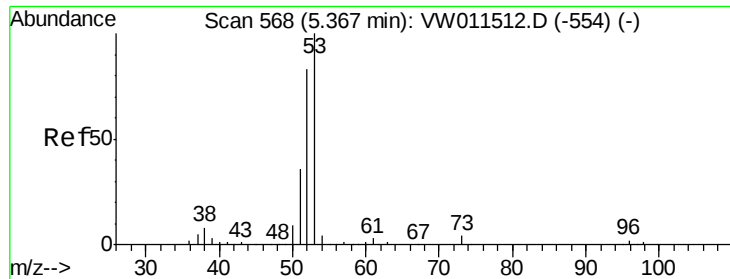
Ion Ratio Lower Upper

41 100

39 64.9 52.6 78.8

76 28.0 22.0 33.0





#15

Acrylonitrile

Concen: 273.305 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

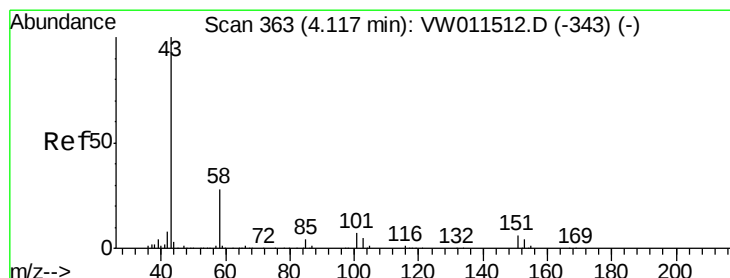
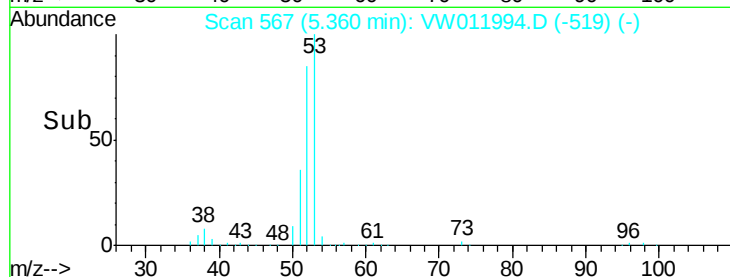
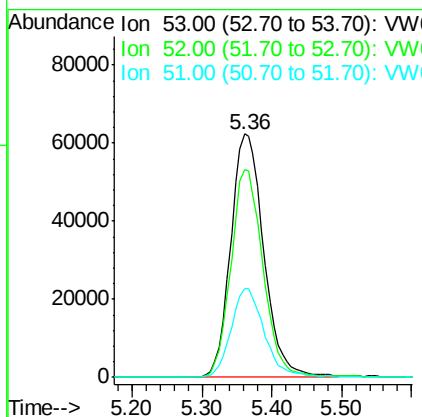
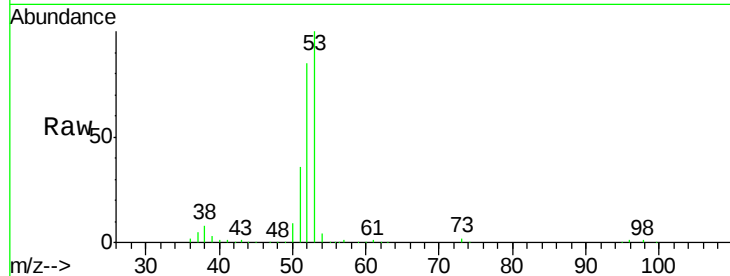
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	204235
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	36.6	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 238.904 ug/l

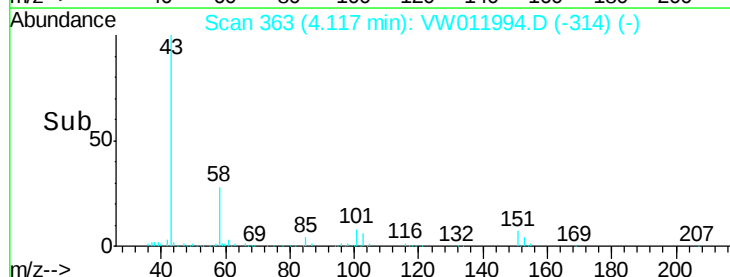
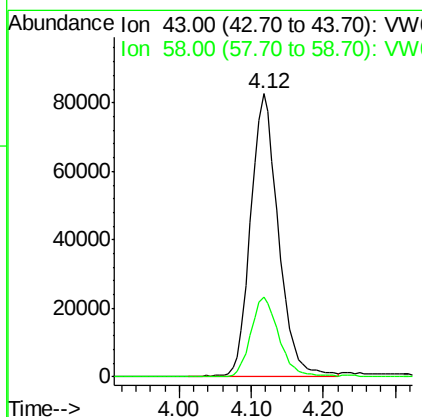
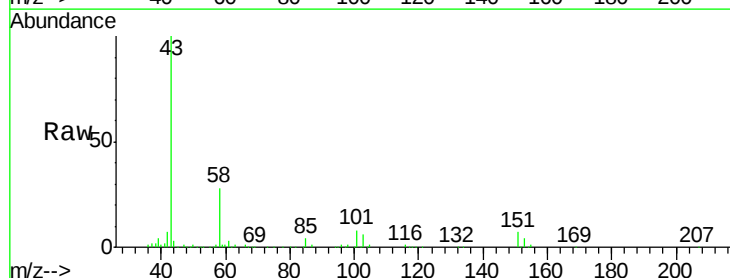
RT: 4.12 min Scan# 363

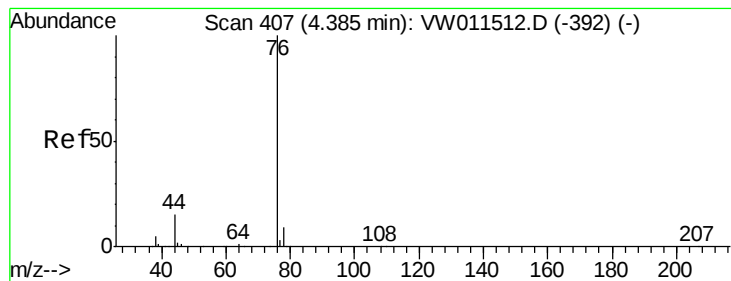
Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion:	43	Resp:	221579
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.3	33.5





#17

Carbon Disulfide

Concen: 51.965 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 430101

Ion Ratio Lower Upper

76 100

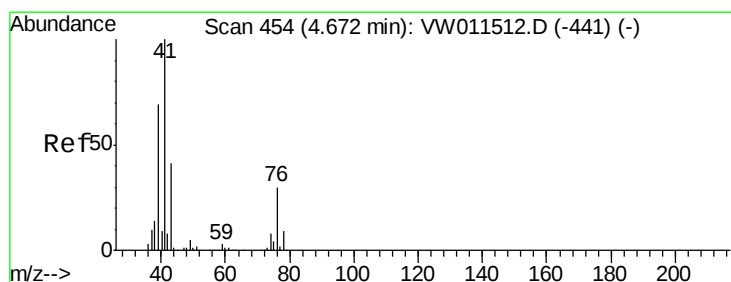
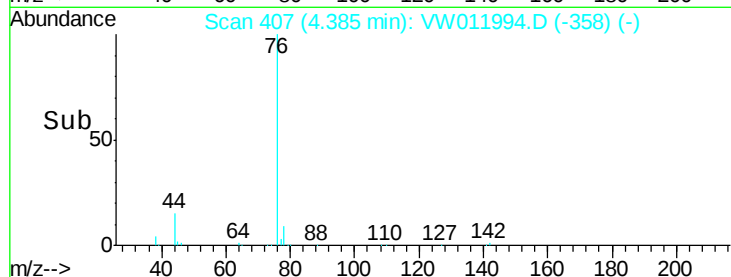
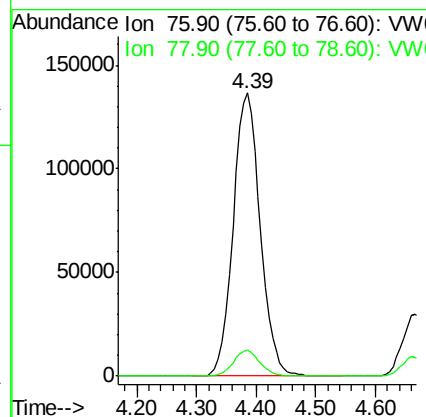
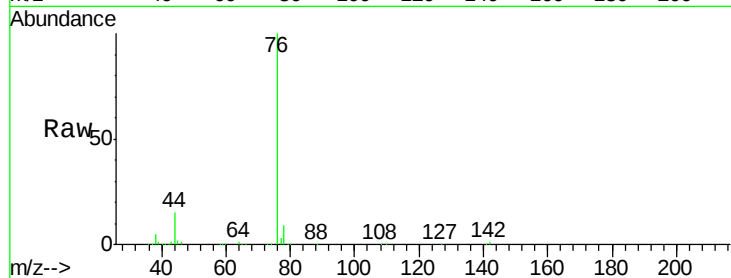
78 9.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 50.866 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011994.D

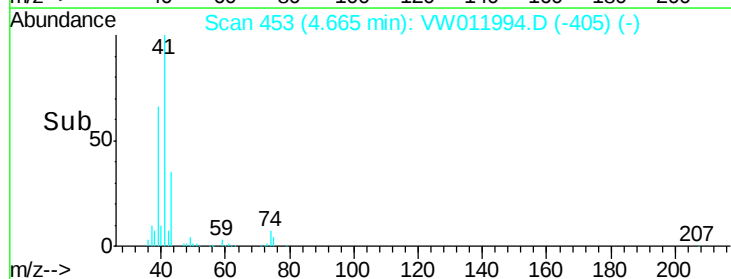
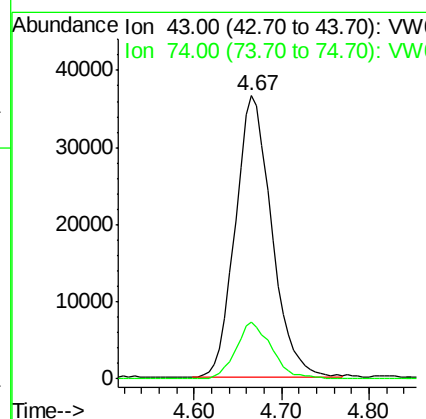
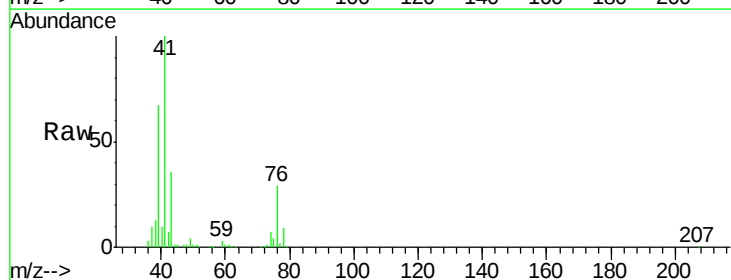
Acq: 19 Aug 2019 16:23

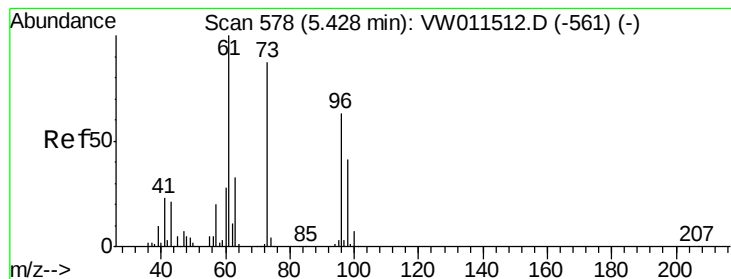
Tgt Ion: 43 Resp: 105982

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9





#19

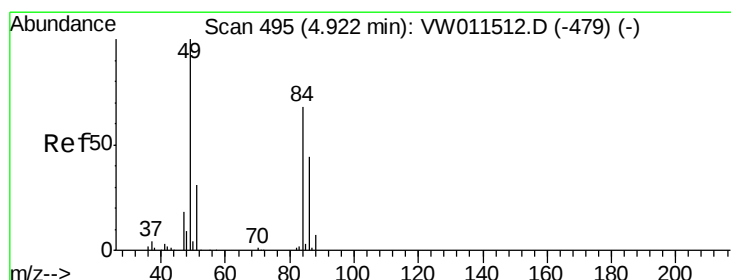
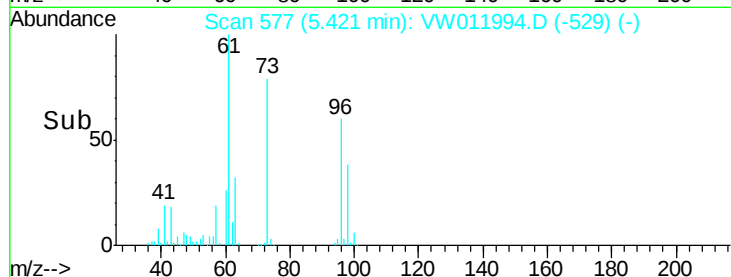
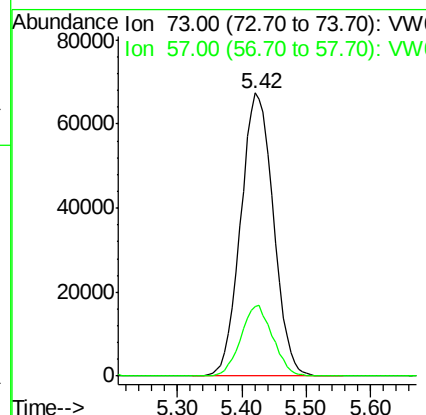
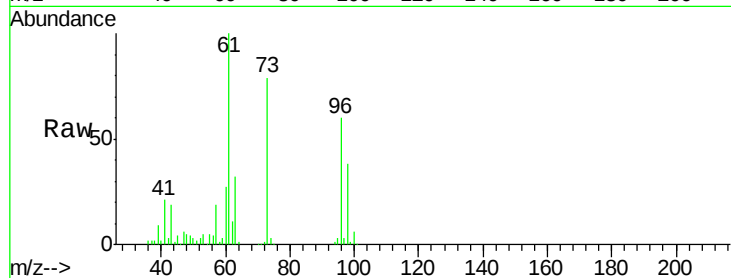
Methyl tert-butyl Ether
 Concen: 56.204 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.7	18.4	27.6

Manual Integrations
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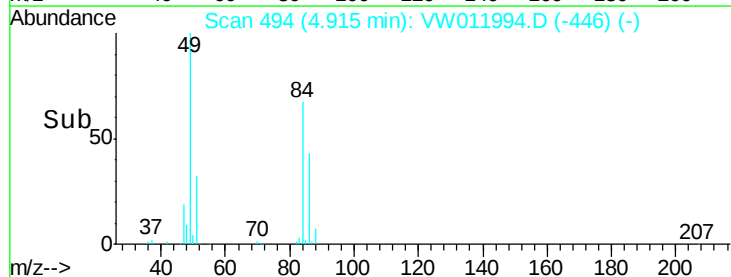
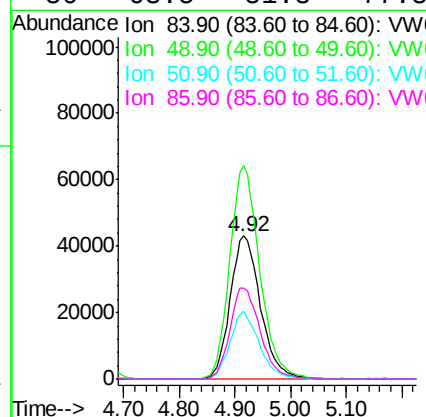
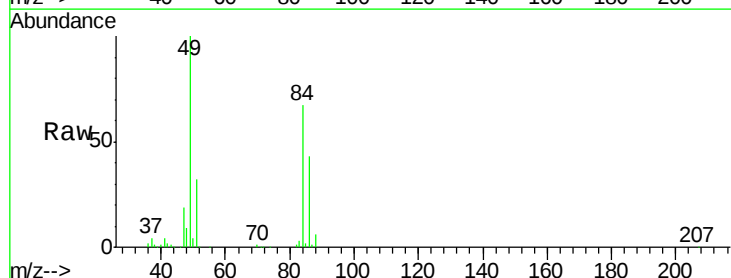
MMDadoda
 8/20/2019 9:56:12 AM

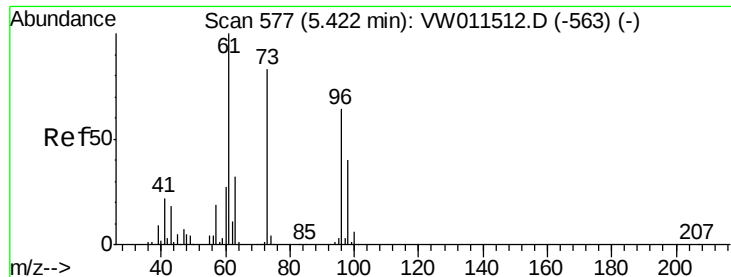


#20

Methylene Chloride
 Concen: 50.740 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.2	117.8	176.6
51	47.1	37.0	55.4
86	63.5	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 55.849 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

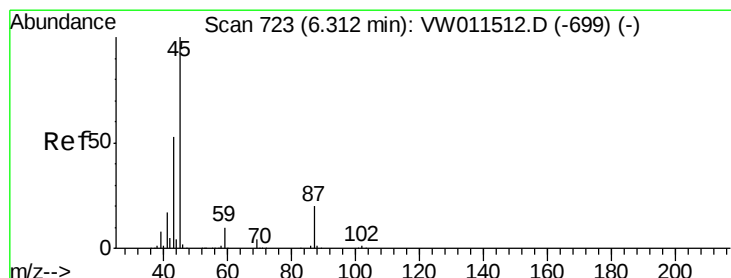
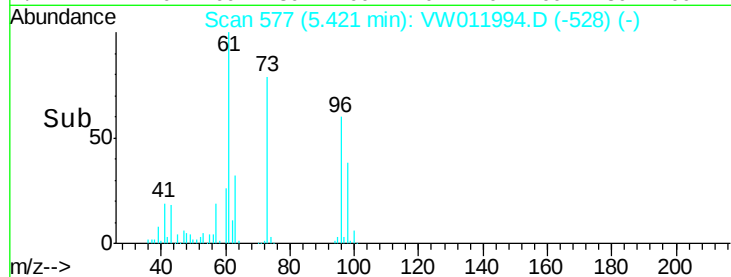
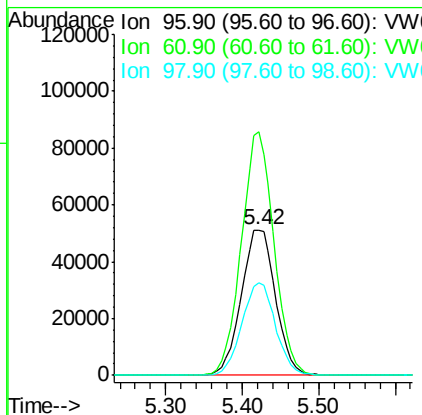
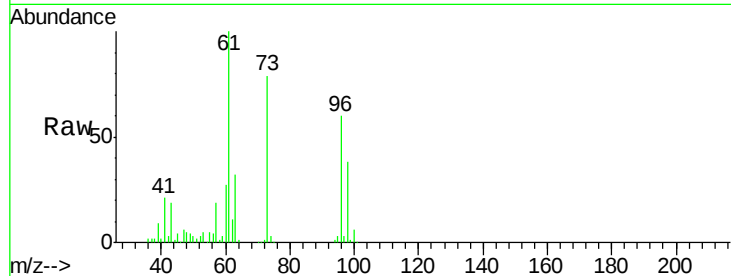
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	159228
Ion	Ratio	Lower	Upper
96	100		
61	167.7	125.7	188.5
98	63.6	50.3	75.5

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#22

Diisopropyl ether

Concen: 56.175 ug/l

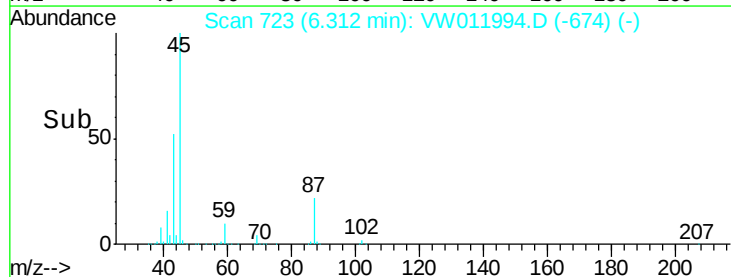
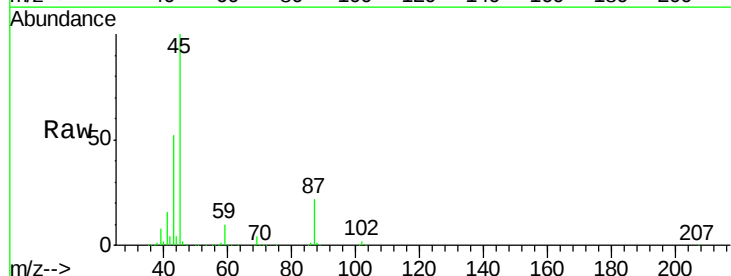
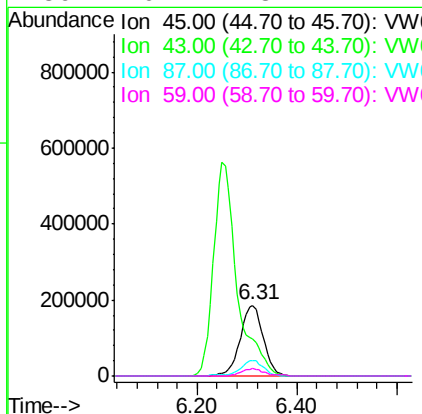
RT: 6.31 min Scan# 723

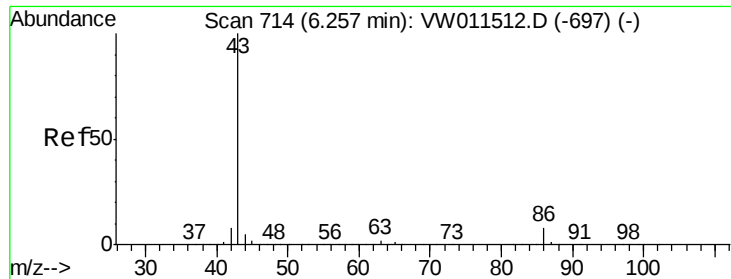
Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion:	45	Resp:	595695
Ion	Ratio	Lower	Upper
45	100		
43	51.9	42.6	63.8
87	21.5	16.4	24.6
59	10.1	8.2	12.2





#23

Vinyl Acetate

Concen: 276.434 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1841955

Ion Ratio Lower Upper

43 100

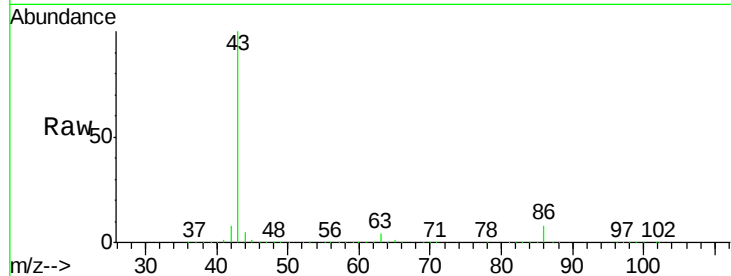
86 8.4 6.5 9.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

600000

500000

400000

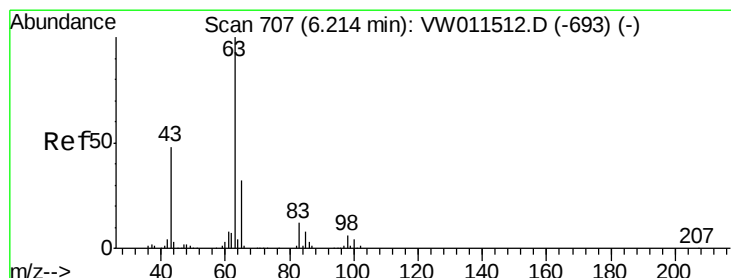
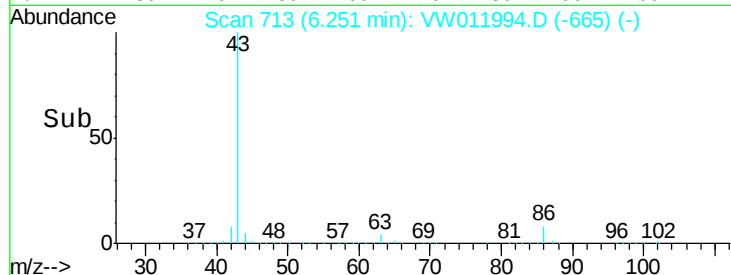
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 56.029 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

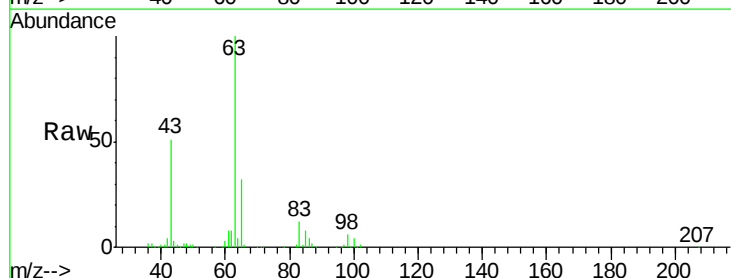
Tgt Ion: 63 Resp: 318209

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 4.0 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

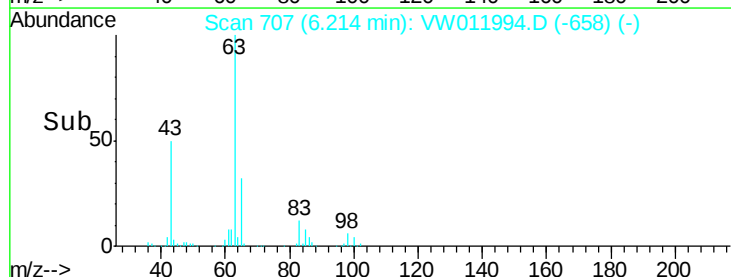
6.21

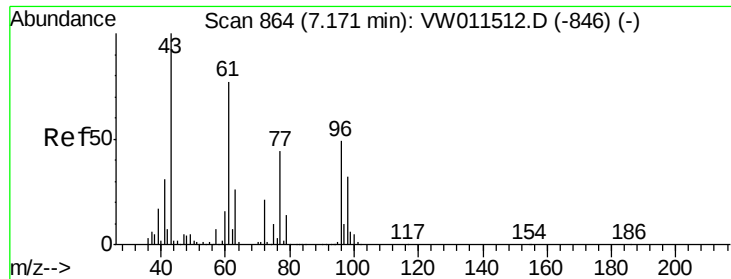
100000

50000

0

Time-->





#25

2-Butanone

Concen: 251.759 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 305544

Ion Ratio Lower Upper

43 100

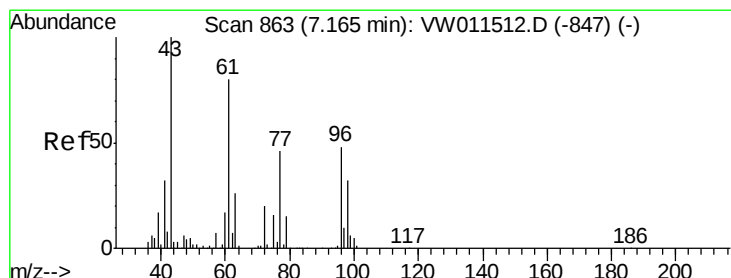
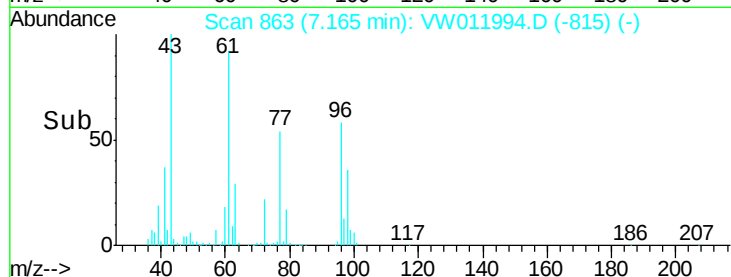
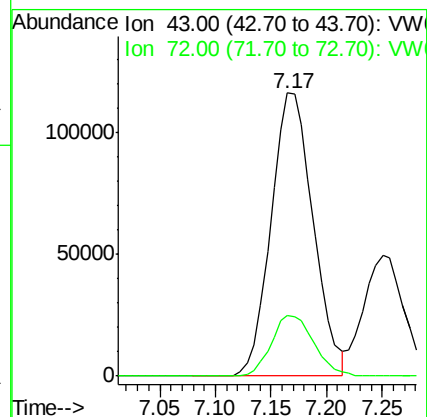
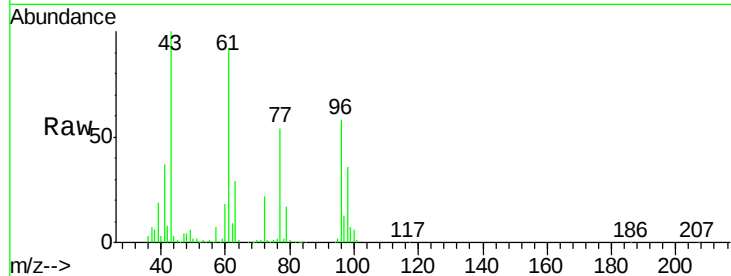
72 21.6 16.6 24.8

Manual Integrations

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MMDadoda

8/20/2019 9:56:12 AM



#26

2,2-Dichloropropane

Concen: 51.439 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011994.D

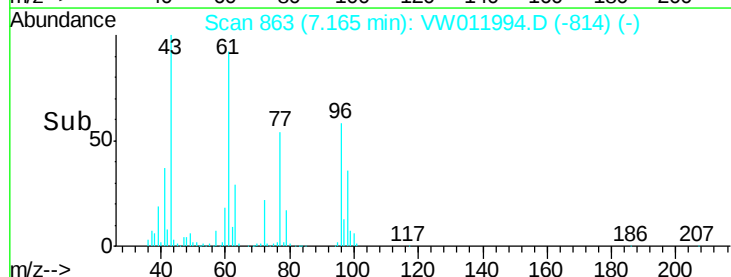
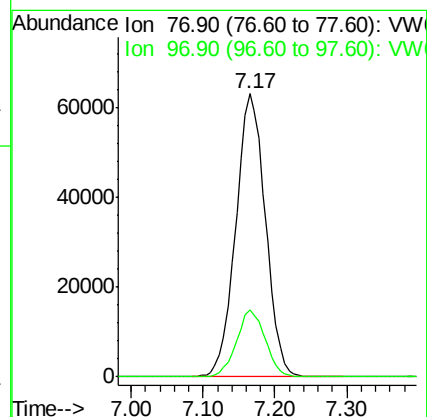
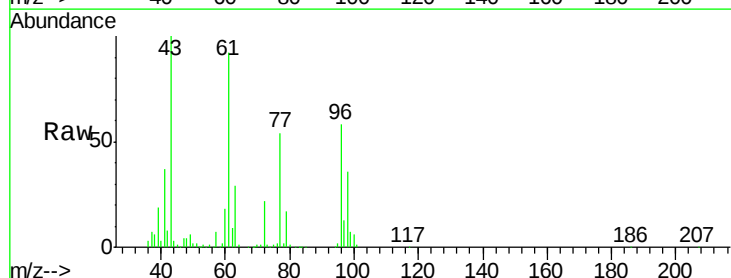
Acq: 19 Aug 2019 16:23

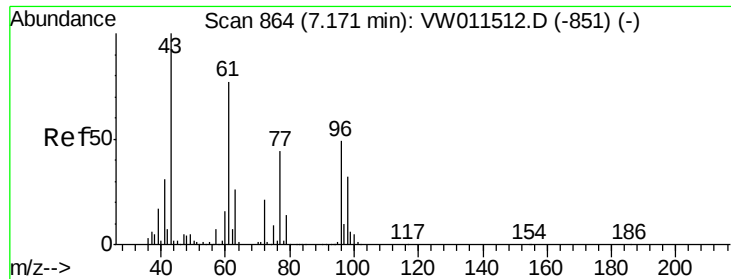
Tgt Ion: 77 Resp: 179662

Ion Ratio Lower Upper

77 100

97 22.9 10.8 32.4





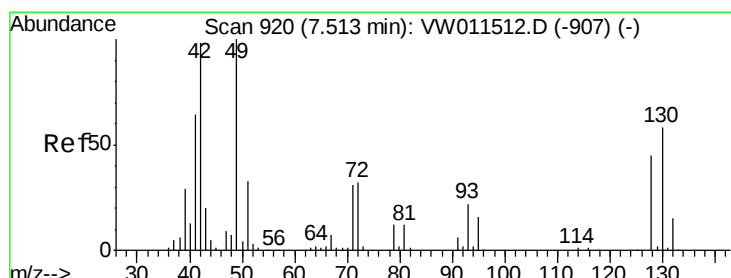
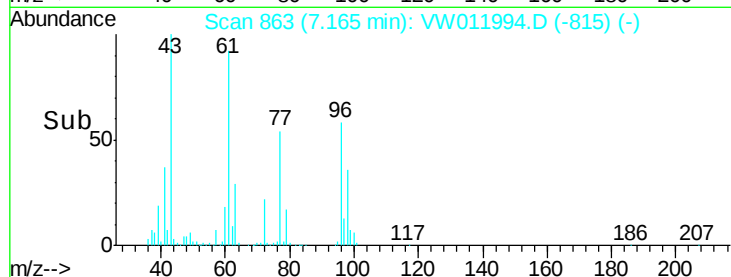
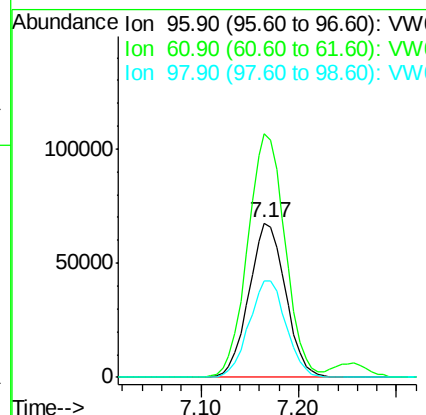
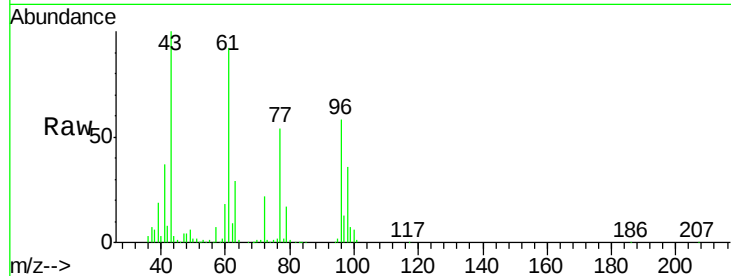
#27
 cis-1,2-Dichloroethene
 Concen: 56.037 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	175833		
61	161.7	0.0	328.4	
98	63.8	0.0	128.8	

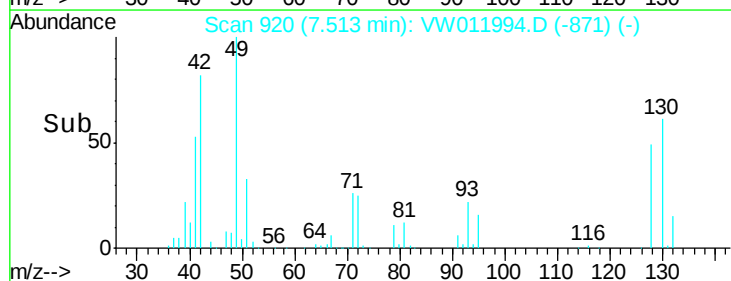
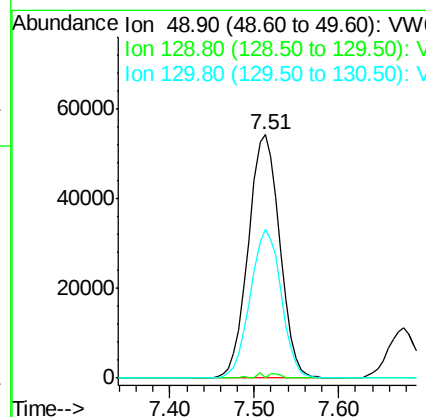
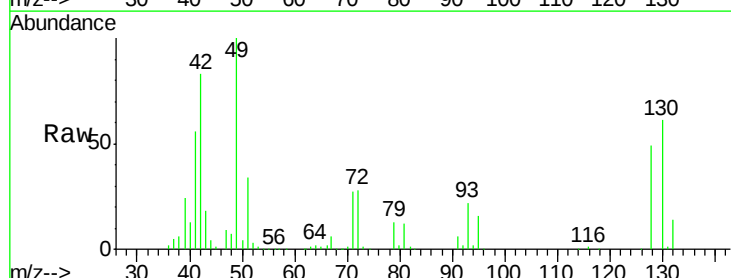
Manual Integrations
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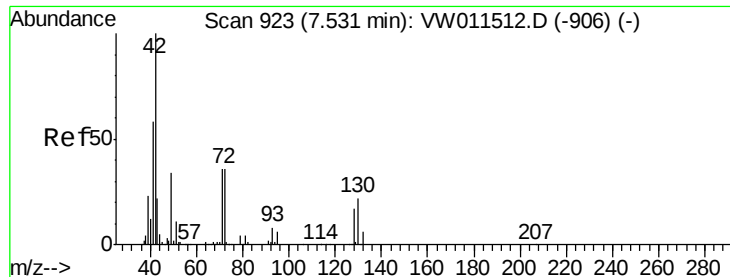
MMDadoda
 8/20/2019 9:56:12 AM



#28
 Bromochloromethane
 Concen: 54.296 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136872		
129	0.4	0.0	1.0	
130	60.3	46.3	69.5	





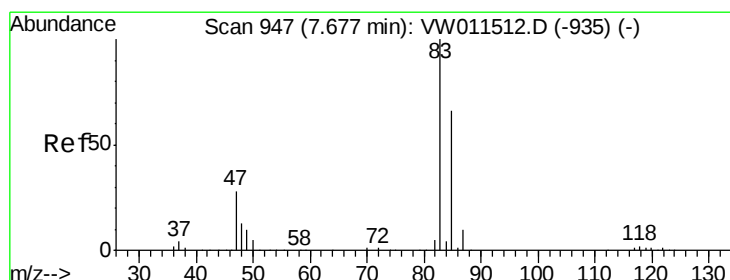
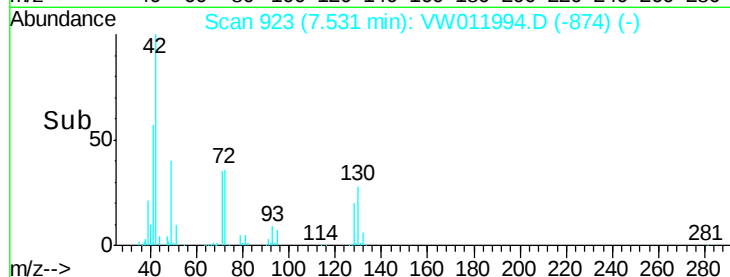
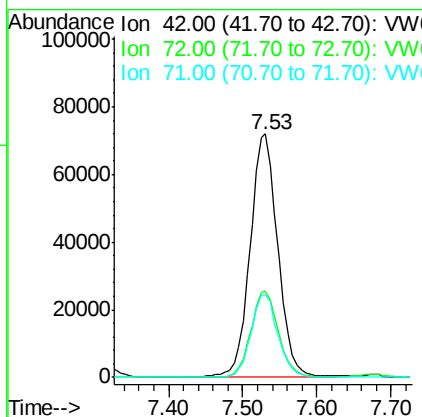
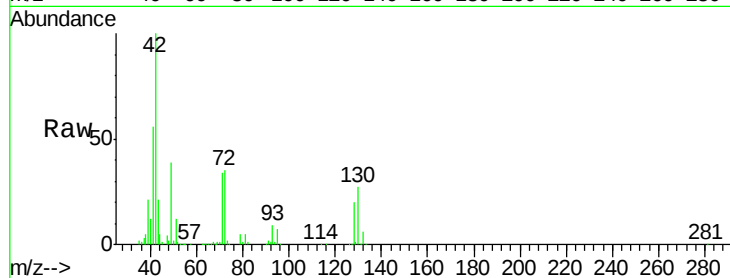
#29
Tetrahydrofuran
Concen: 269.966 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	27.1	40.7
71	33.2	26.2	39.4

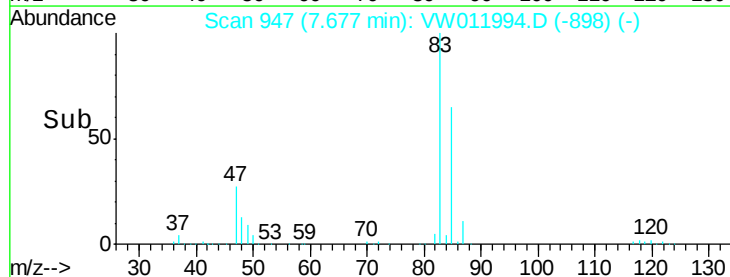
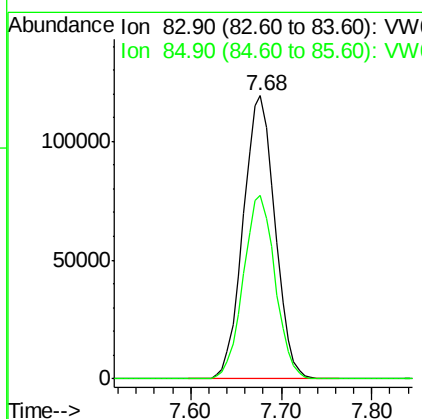
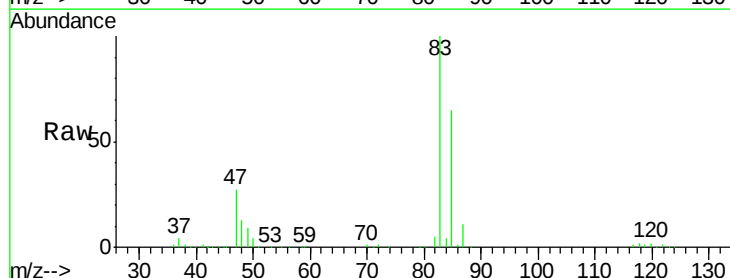
Manual Integrations
APPROVED

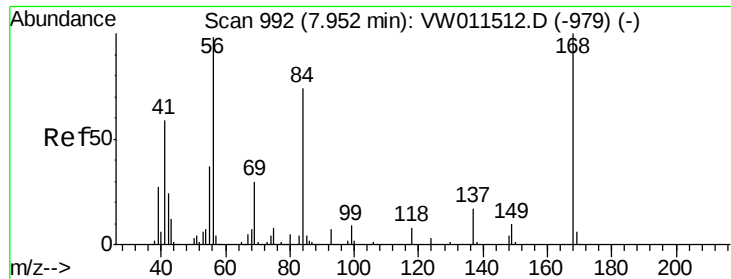
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8/20/2019 9:56:12 AM



#30
Chloroform
Concen: 55.153 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





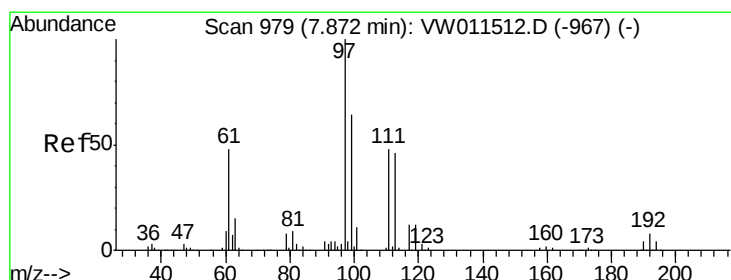
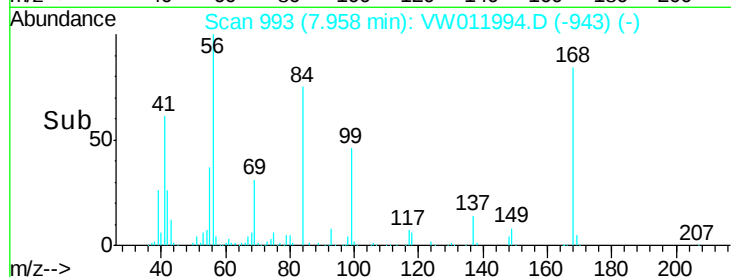
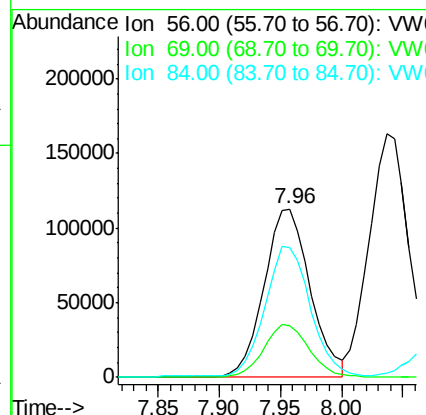
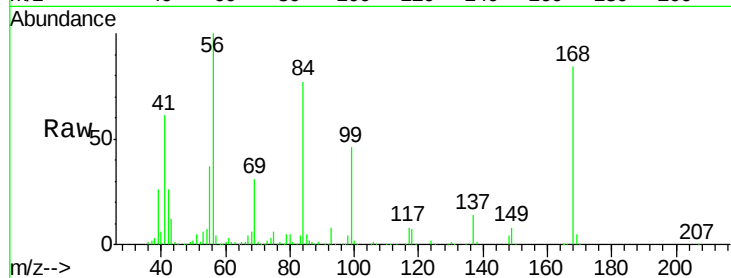
#31
Cyclohexane
Concen: 54.398 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	296558		
69	30.7		24.3	36.5
84	75.8		60.4	90.6

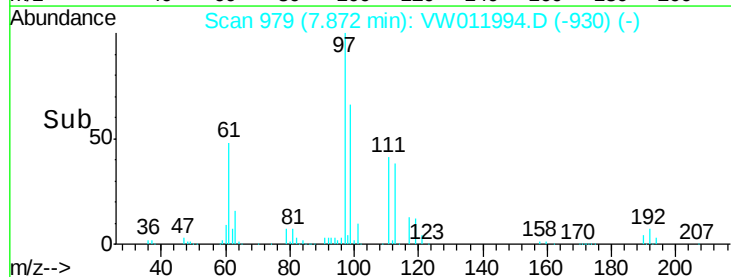
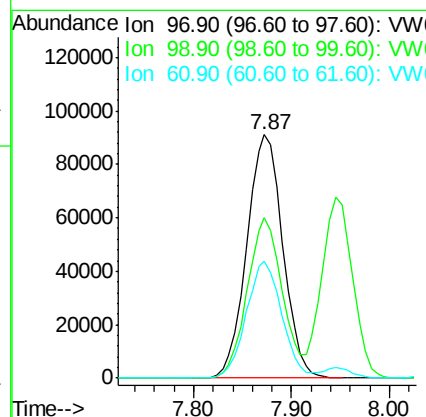
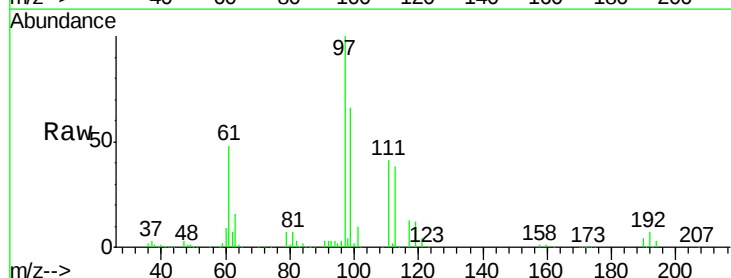
Manual Integrations
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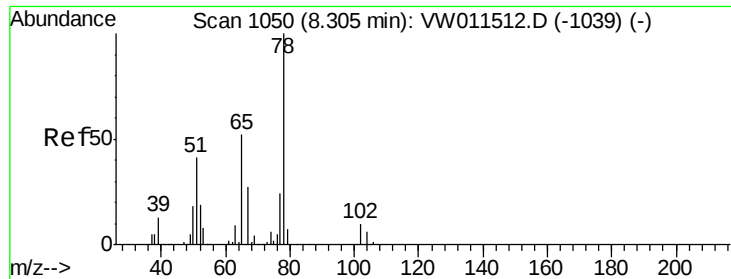
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#32
1,1,1-Trichloroethane
Concen: 58.193 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	232208		
99	63.9		51.0	76.6
61	47.4		39.8	59.6





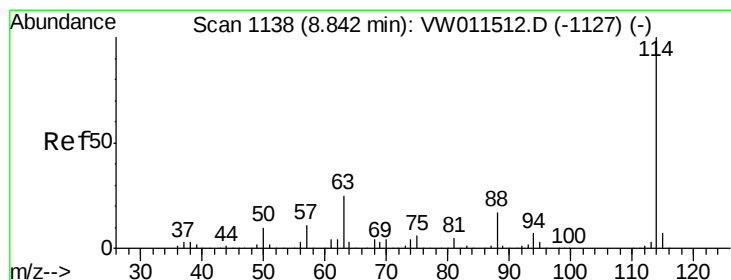
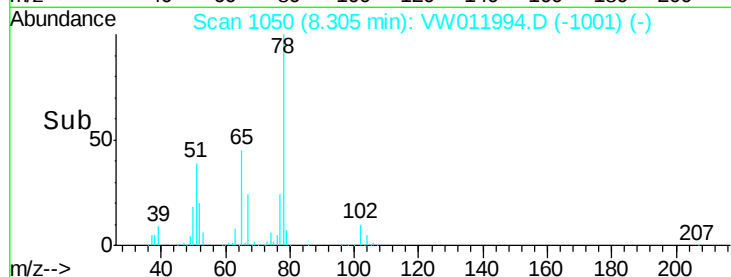
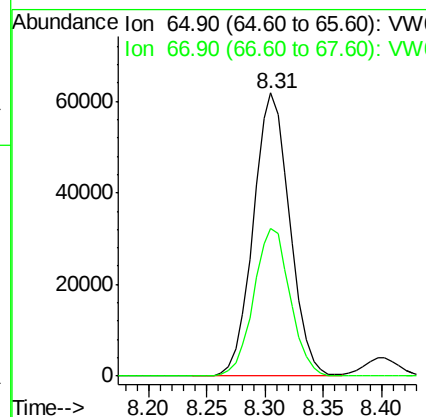
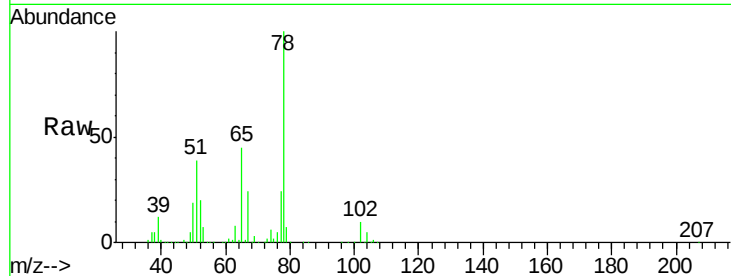
#33
 1,2-Dichloroethane-d4
 Concen: 46.275 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134923		
67	52.1	0.0	105.2	

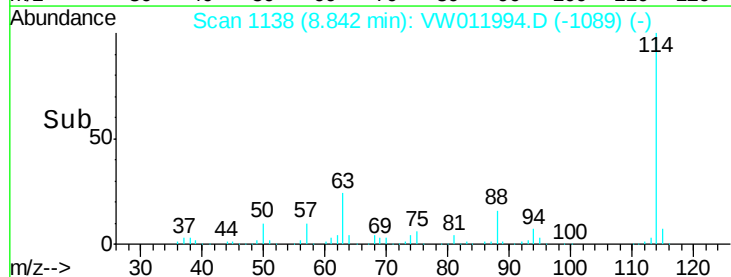
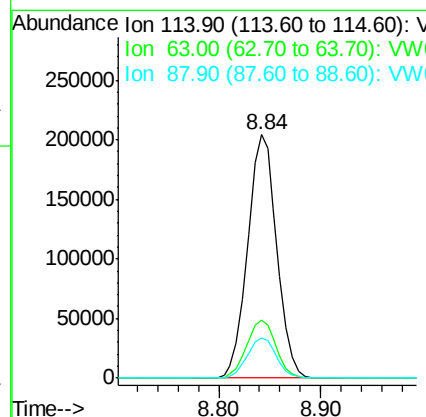
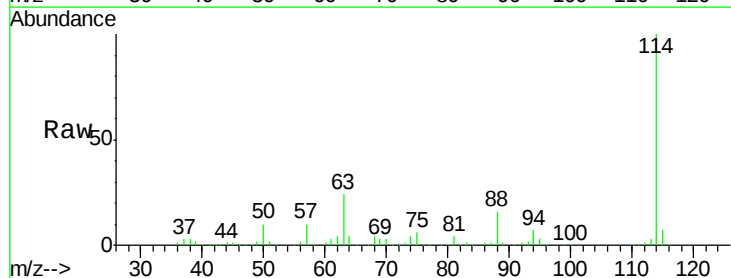
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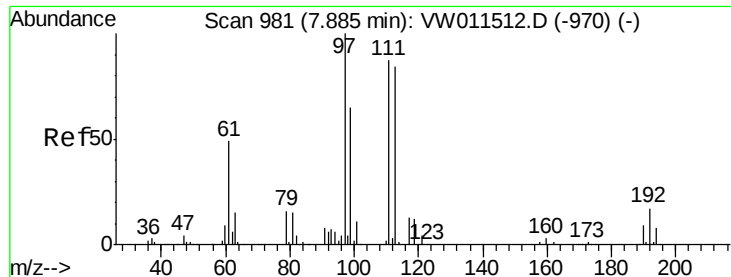
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	404016		
63	23.9	0.0	49.2	
88	16.3	0.0	33.8	





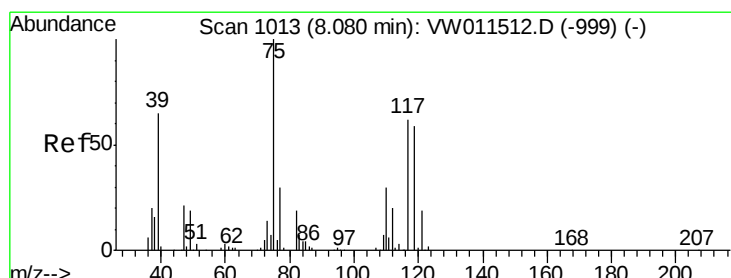
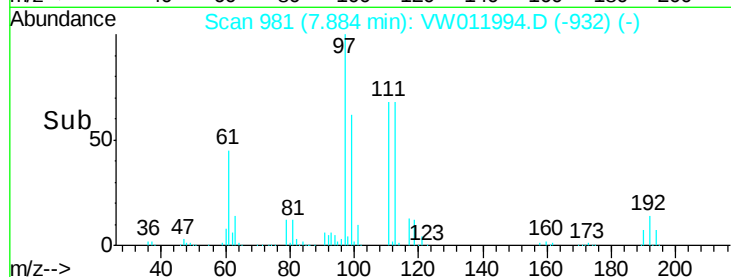
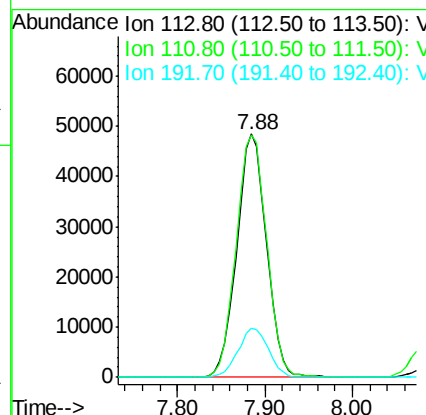
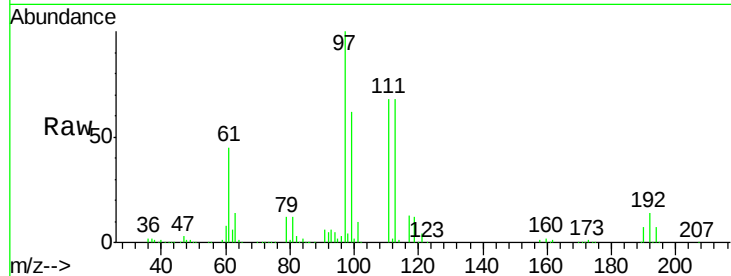
#35
 Dibromofluoromethane
 Concen: 50.541 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114556		
111	102.4	82.7	124.1	
192	20.6	16.1	24.1	

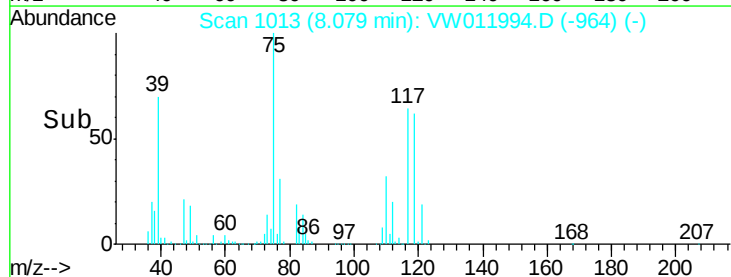
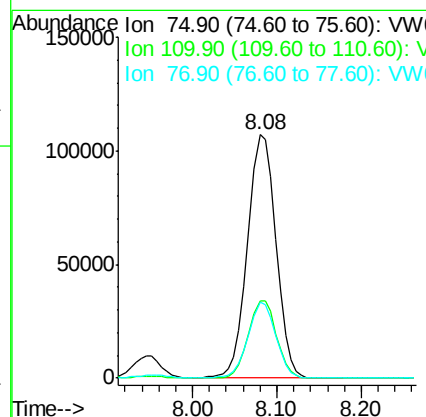
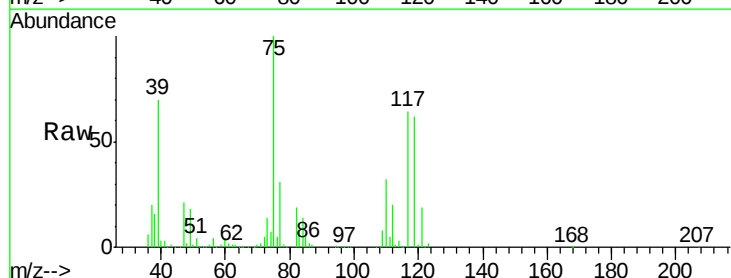
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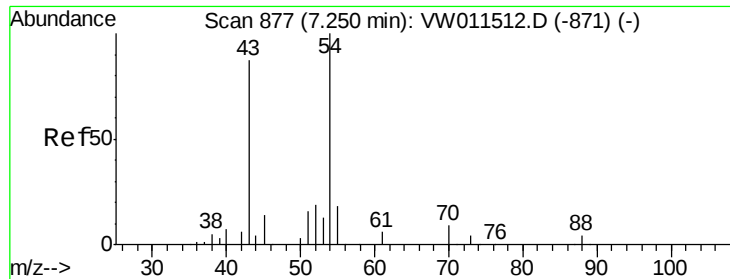
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#36
 1,1-Dichloropropene
 Concen: 58.210 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244541		
110	31.6	15.6	46.8	
77	30.4	24.3	36.5	





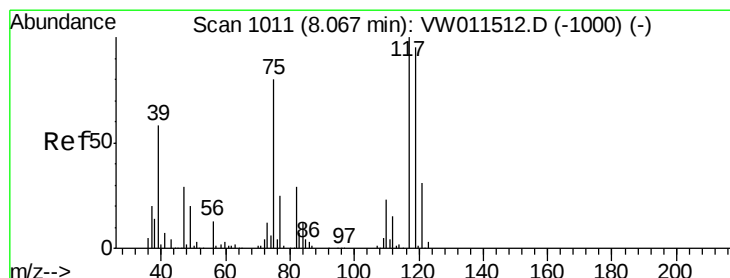
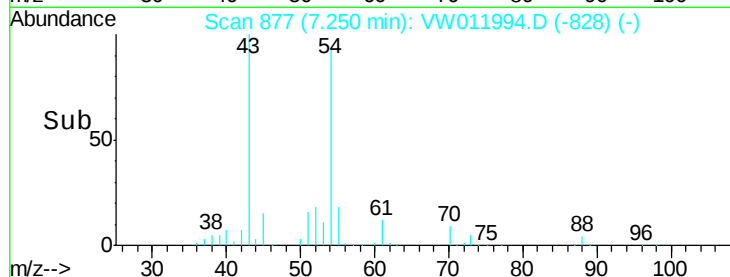
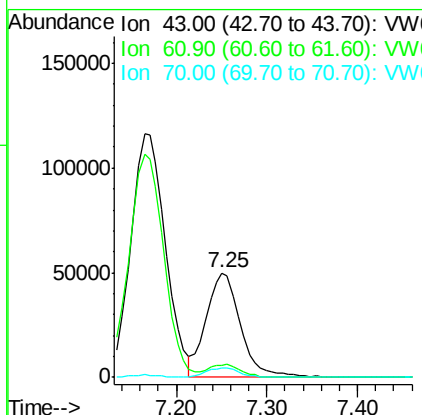
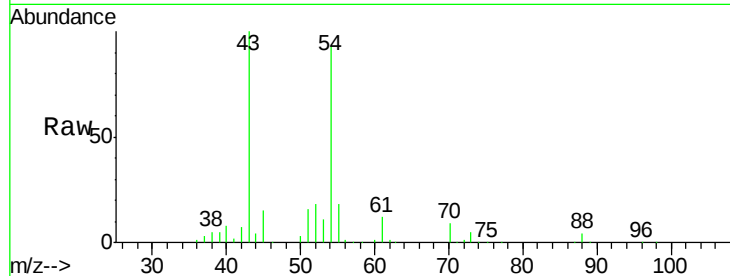
#37
Ethyl Acetate
Concen: 54.111 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.5	8.8	13.2	
70	8.9	7.1	10.7	

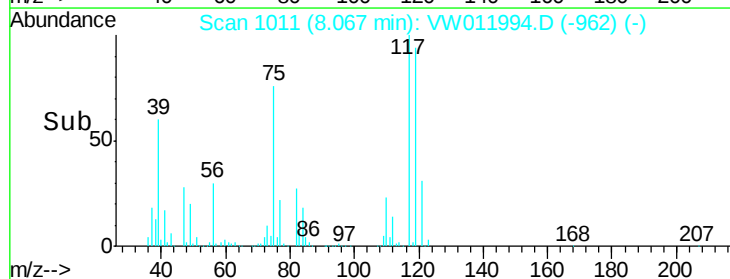
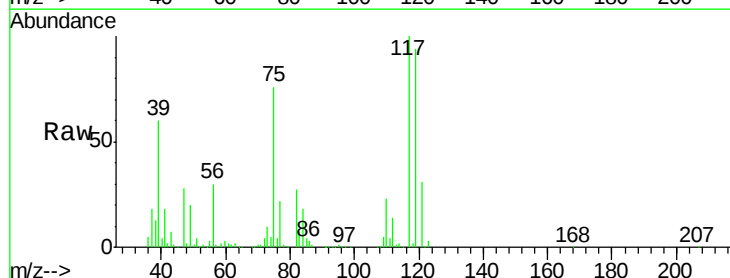
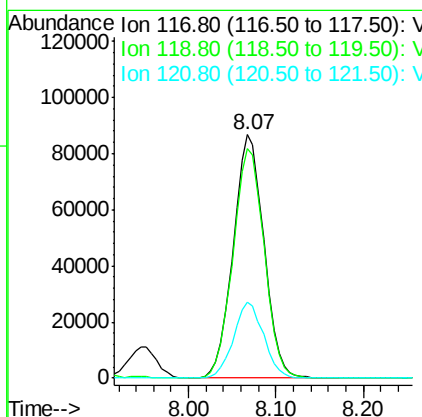
Manual Integrations
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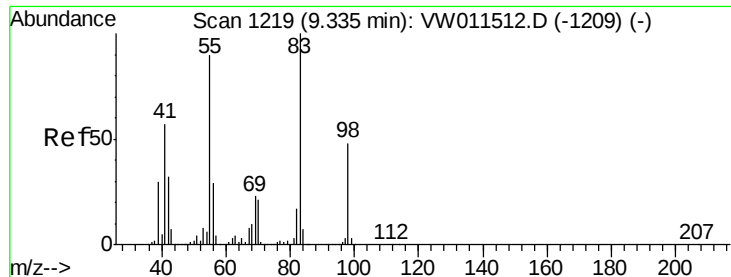
MMDadoda
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#38
Carbon Tetrachloride
Concen: 58.859 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.0	75.8	113.6	
121	31.2	24.7	37.1	





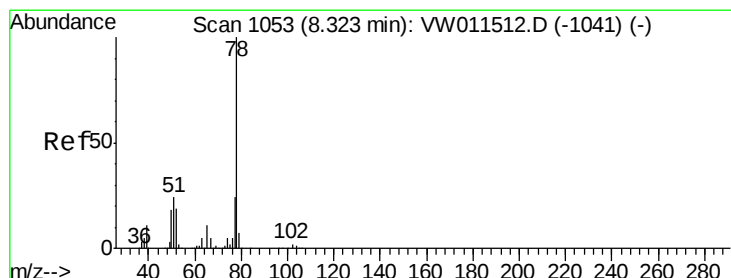
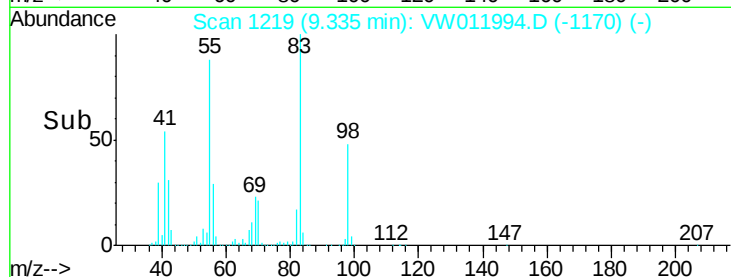
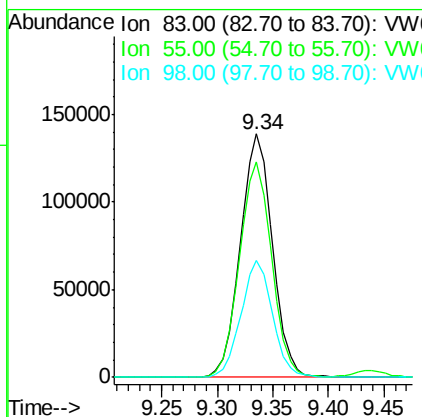
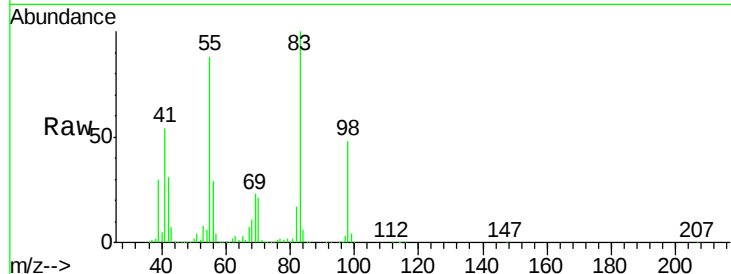
#39
Methvlcvclohexane
Concen: 60.056 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	72.1	108.1
98	48.1	38.6	57.8

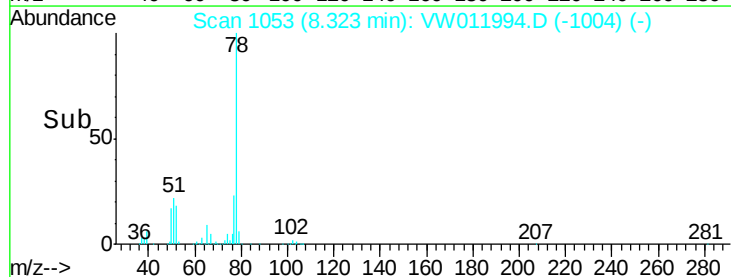
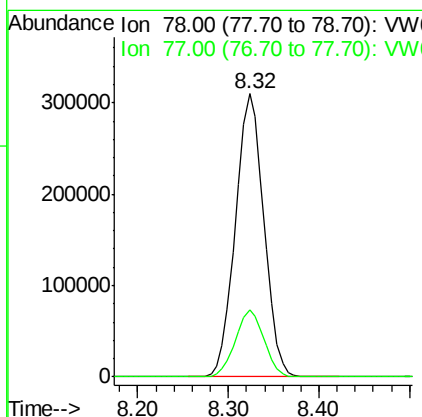
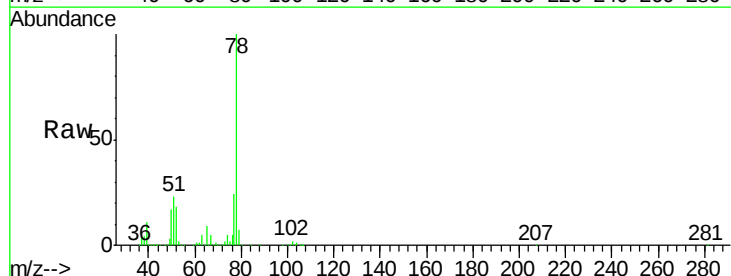
Manual Integrations
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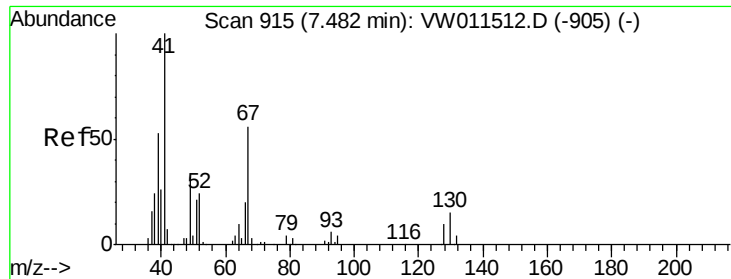
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#40
Benzene
Concen: 57.241 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





#41

Methacrylonitrile

Concen: 54.195 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

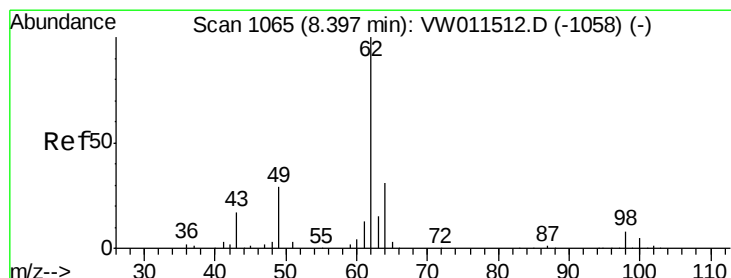
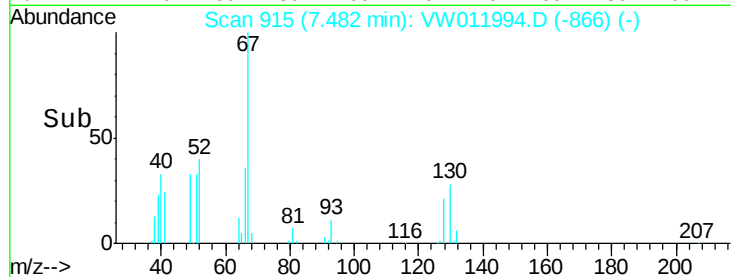
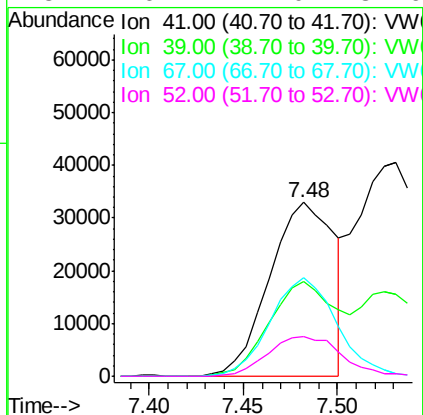
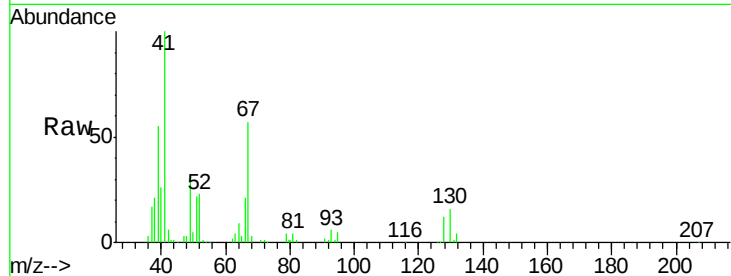
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.5	43.0	64.4	
67	58.9	47.5	71.3	
52	26.4	21.0	31.6	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 55.756 ug/l

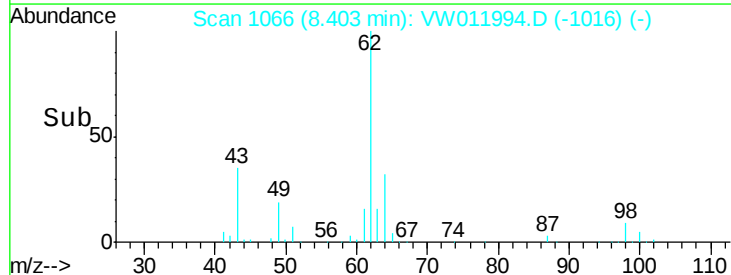
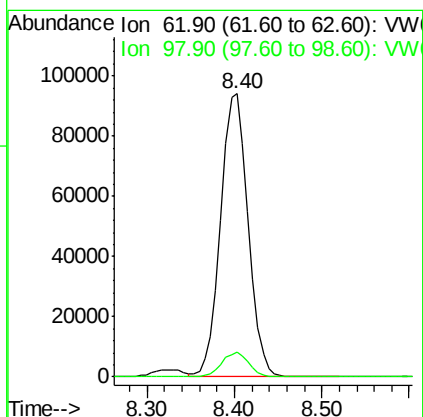
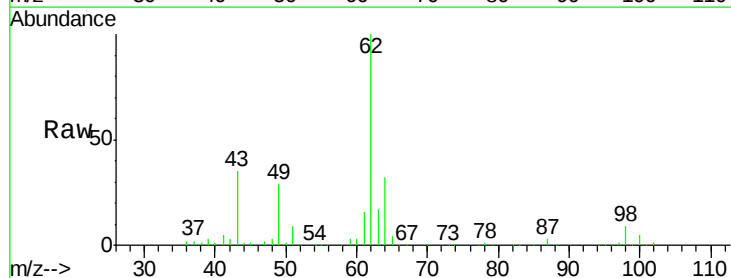
RT: 8.40 min Scan# 1066

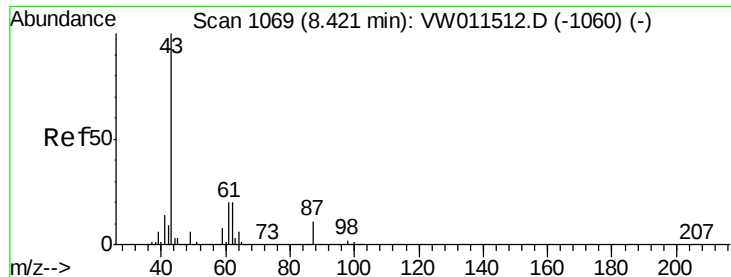
Delta R.T. 0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.8	





#43

Isopropyl Acetate

Concen: 56.609 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

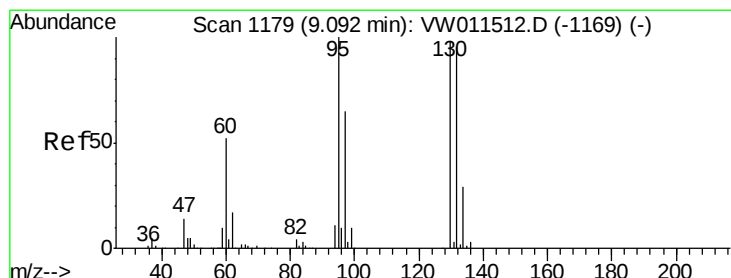
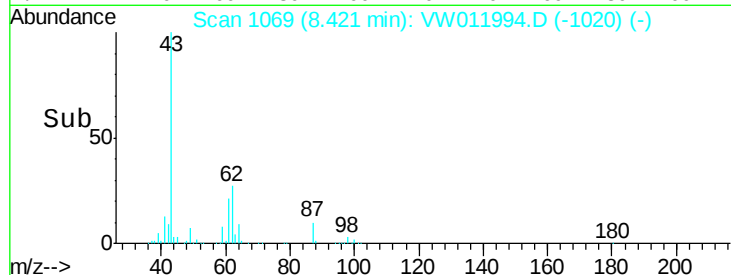
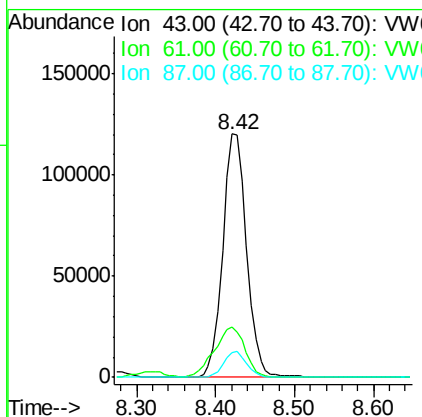
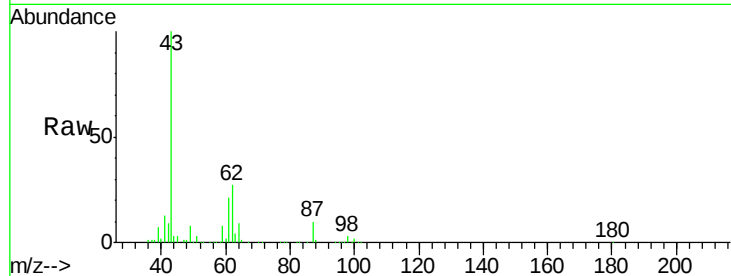
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	251626
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.5	32.3
87	10.5	8.4	12.6

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#44

Trichloroethene

Concen: 58.800 ug/l

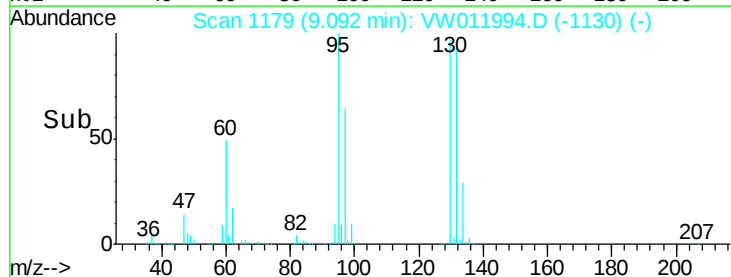
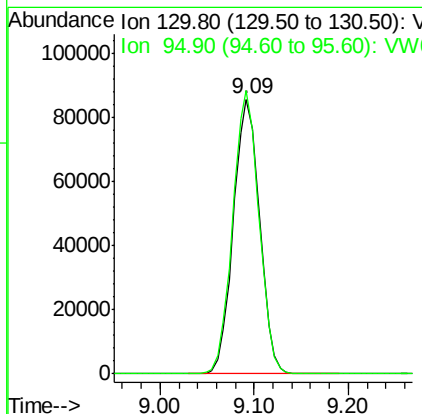
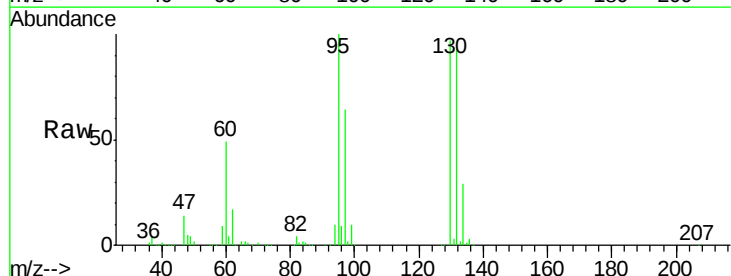
RT: 9.09 min Scan# 1179

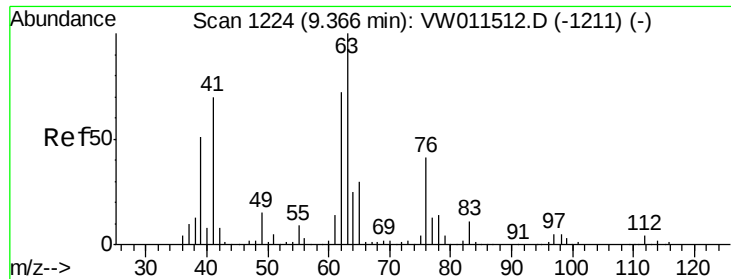
Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion:	130	Resp:	166300
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	204.8





#45

1,2-Dichloropropane

Concen: 57.923 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 182373

Ion Ratio Lower Upper

63 100

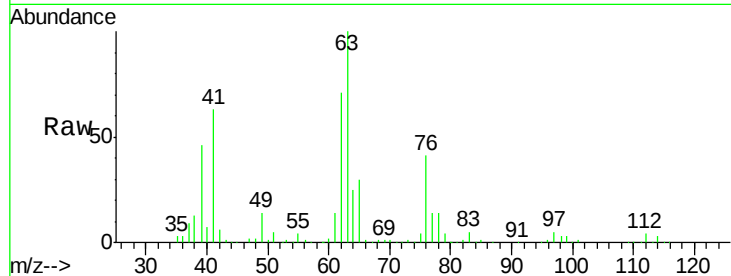
65 29.9 24.2 36.4

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

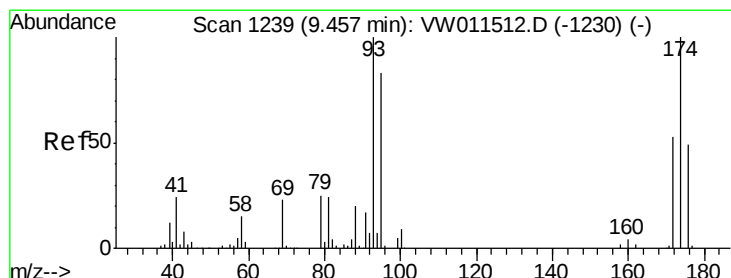
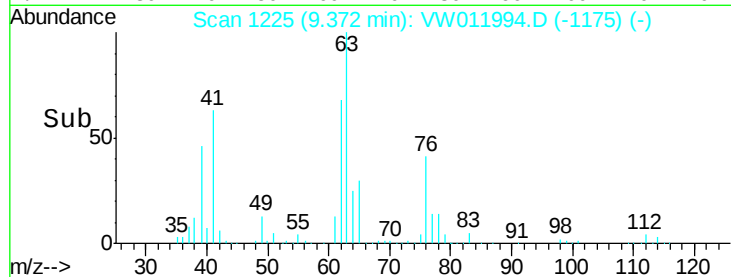
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 56.255 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

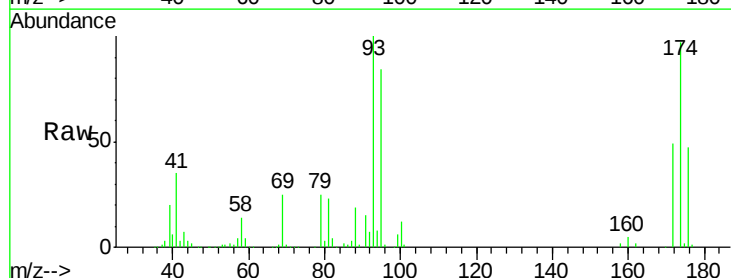
Tgt Ion: 93 Resp: 80841

Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.2

174 100.2 78.2 117.4



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

50000

40000

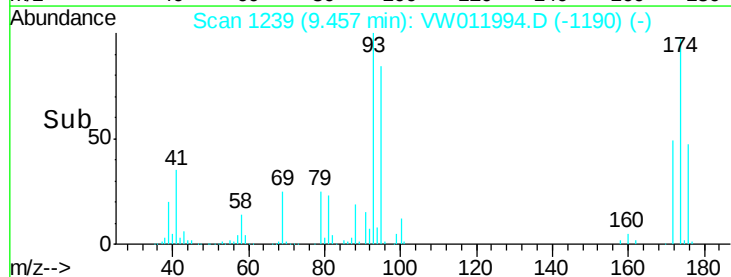
30000

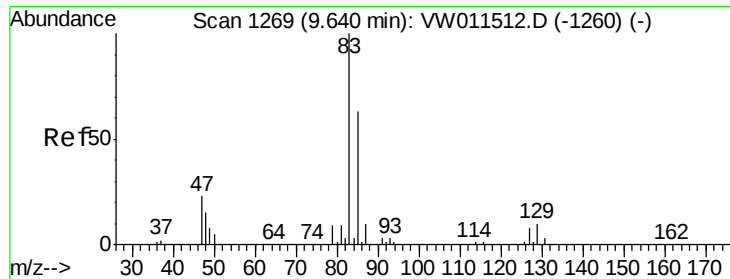
20000

10000

0

Time-->





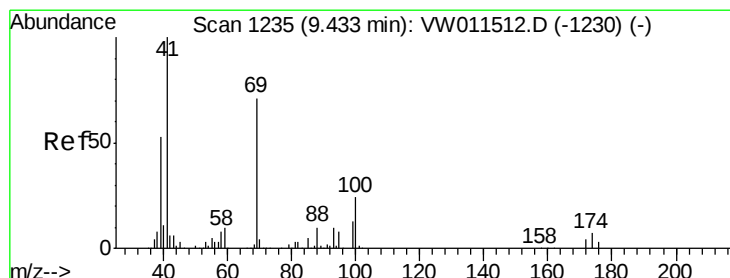
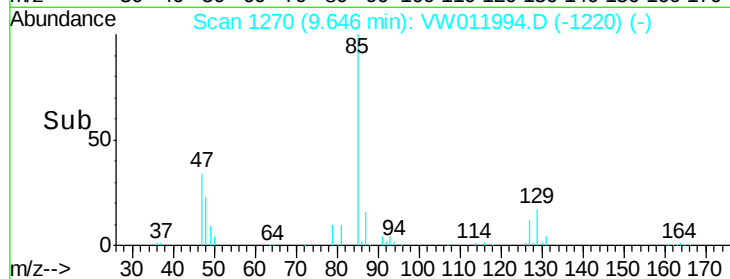
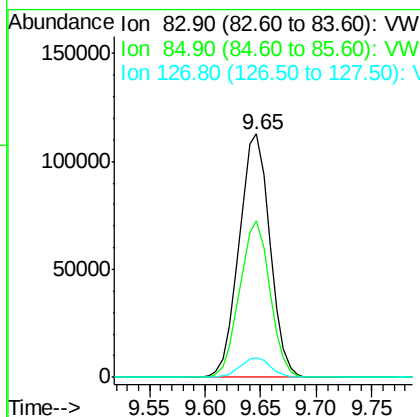
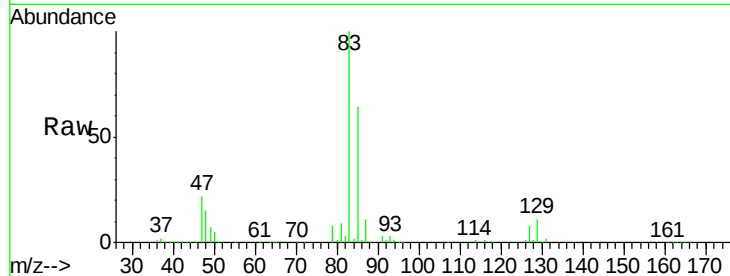
#47
Bromodichloromethane
Concen: 57.480 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	216676		
85	64.4	50.5	75.7	
127	7.9	6.4	9.6	

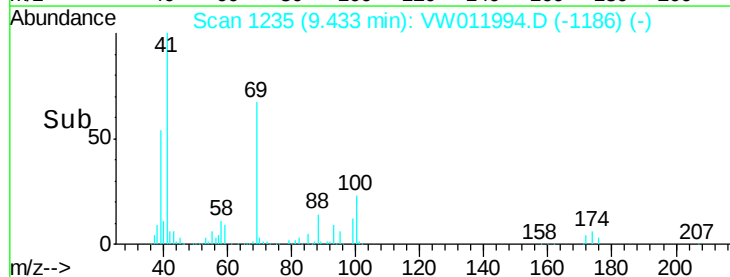
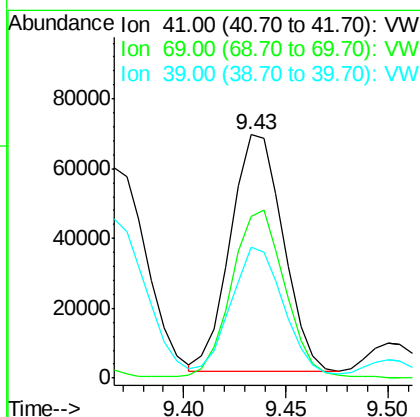
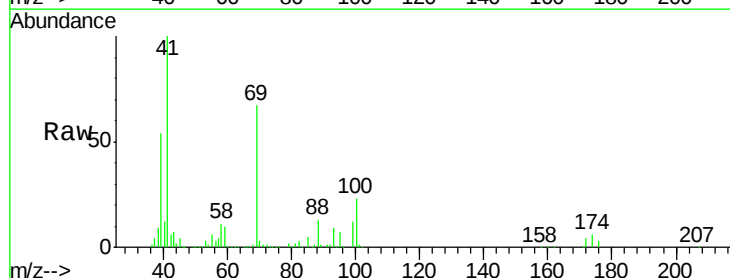
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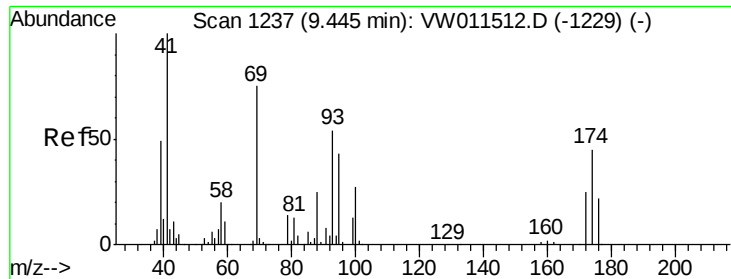
MMDadoda
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#48
Methyl methacrylate
Concen: 56.754 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	121181		
69	72.0	57.1	85.7	
39	57.0	45.4	68.2	





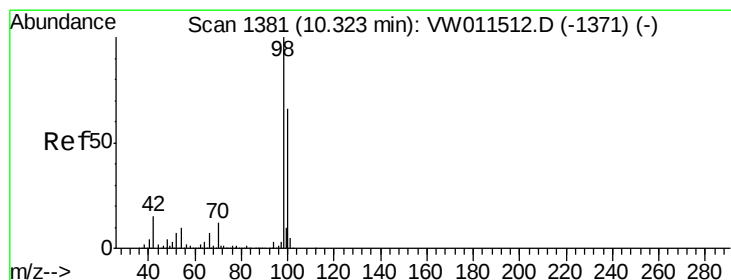
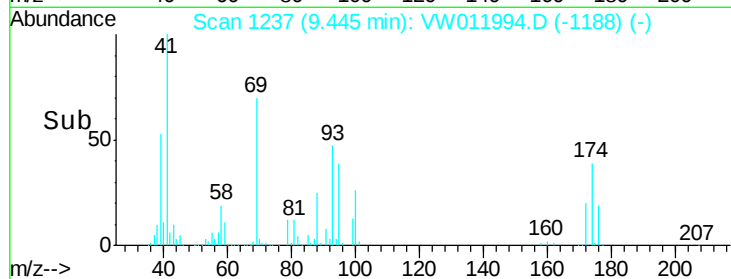
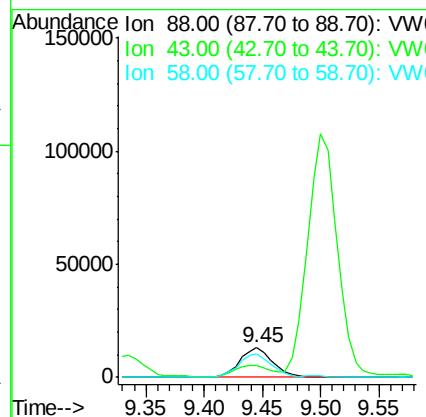
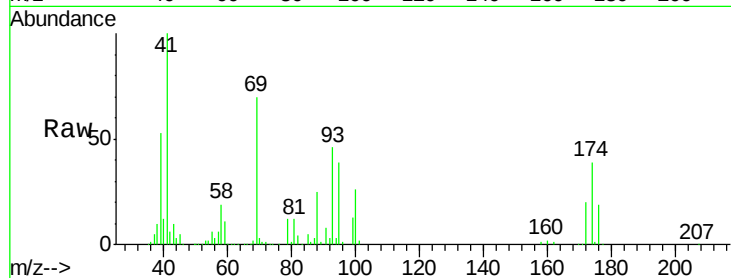
#49
1,4-Dioxane
Concen: 1238.248 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	34.0	51.0
58	80.6	69.7	104.5

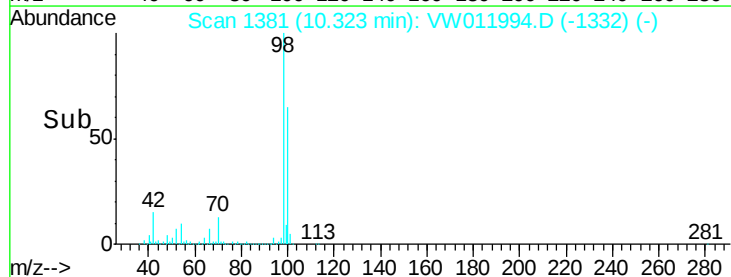
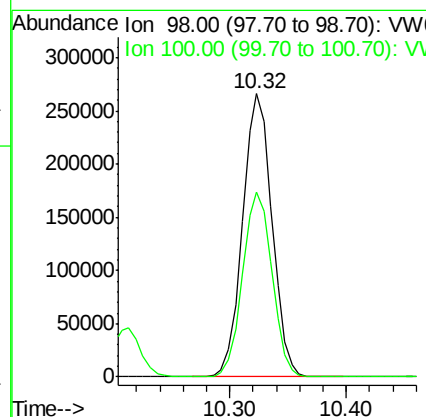
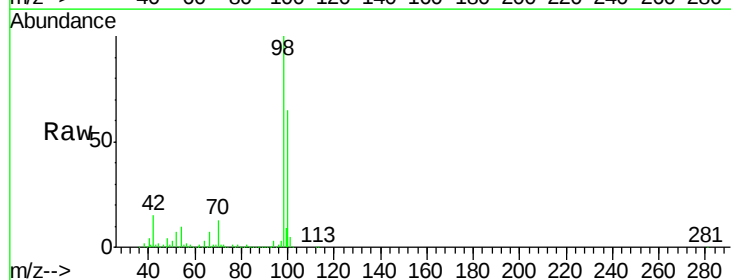
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#50
Toluene-d8
Concen: 50.392 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 279.838 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 647000

Ion Ratio Lower Upper

43 100

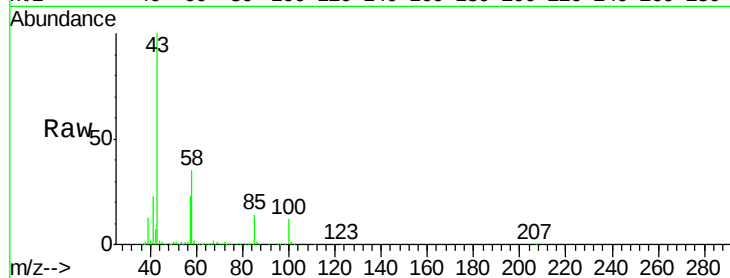
58 35.6 28.2 42.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400000

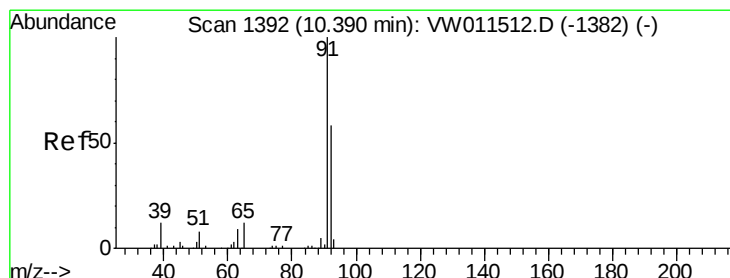
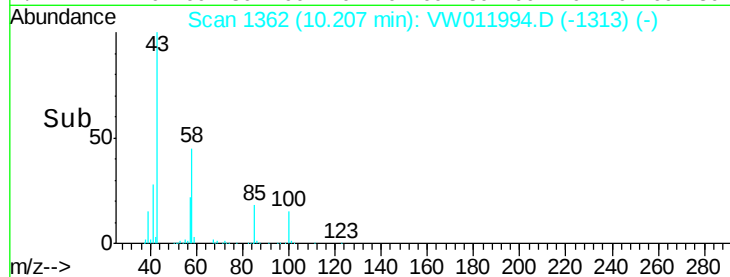
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 58.491 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011994.D

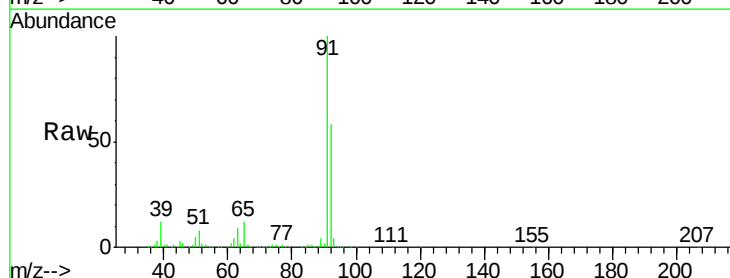
Acq: 19 Aug 2019 16:23

Tgt Ion: 92 Resp: 415655

Ion Ratio Lower Upper

92 100

91 171.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

400000

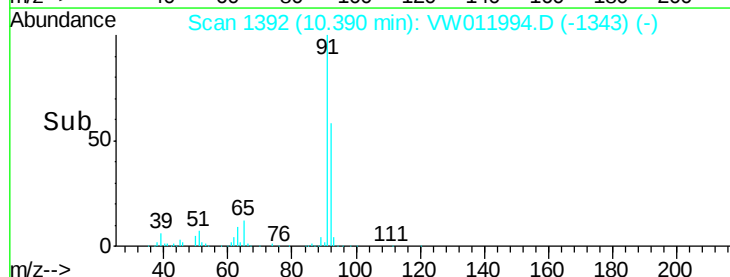
300000

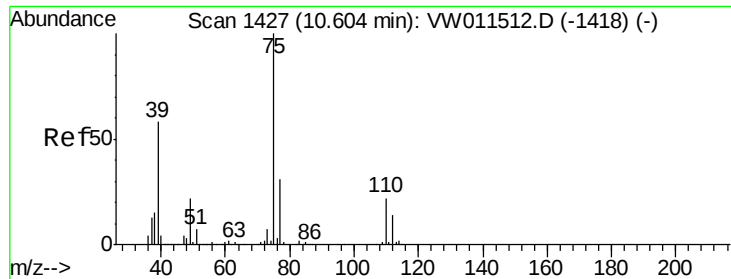
200000

100000

0

Time-->





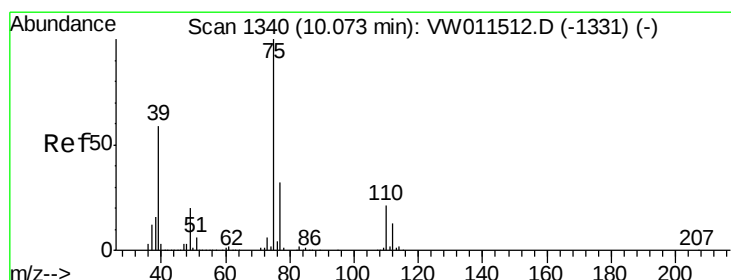
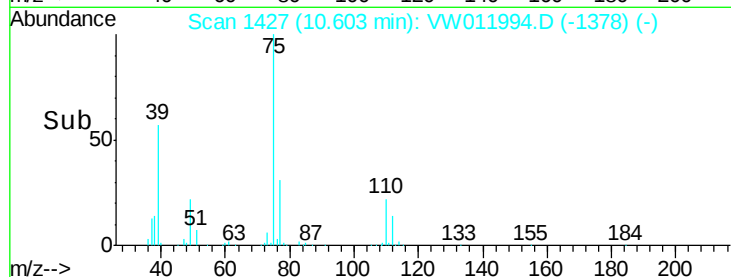
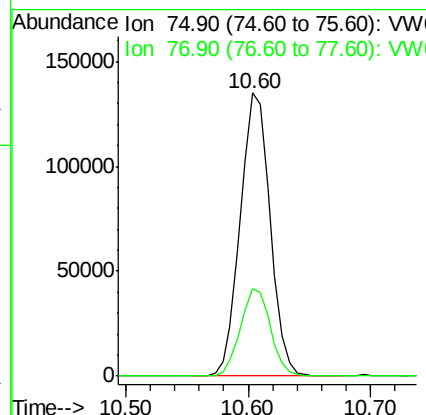
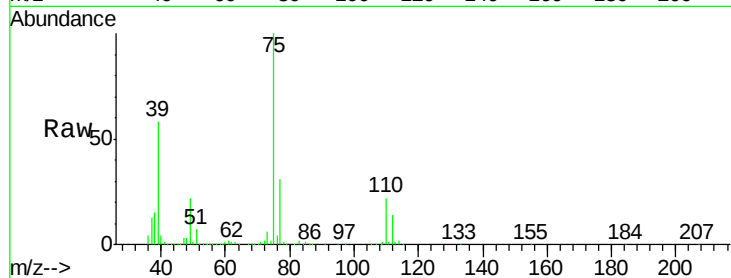
#53
 t-1,3-Dichloropropene
 Concen: 58.178 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 229088
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.0 37.4

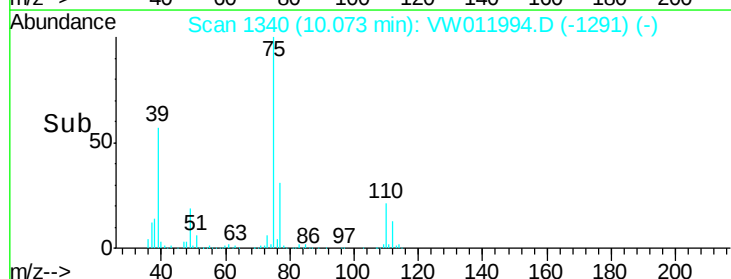
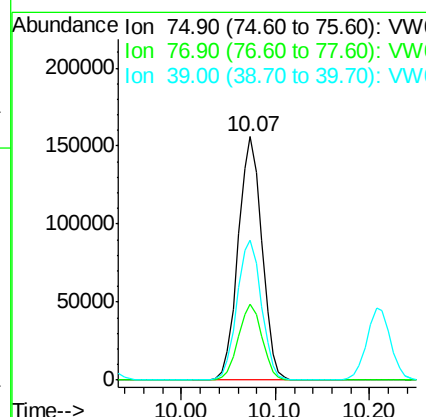
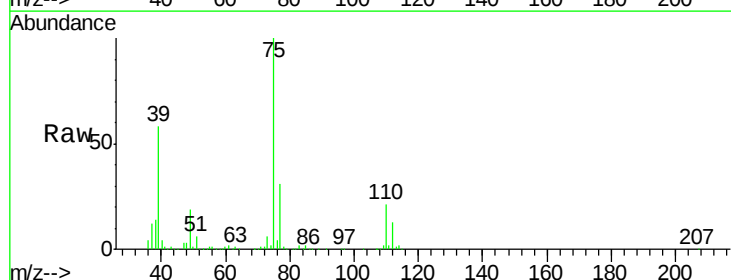
Manual Integrations
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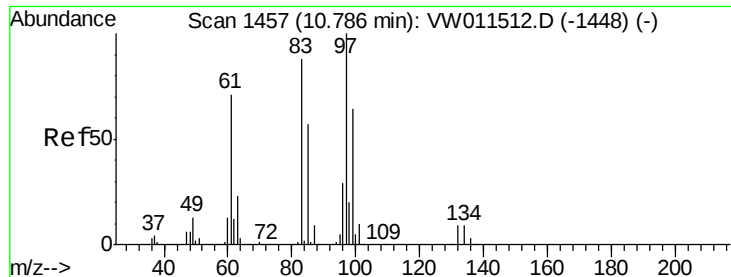
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#54
 cis-1,3-Dichloropropene
 Concen: 58.543 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion: 75 Resp: 274094
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4
 39 57.5 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 57.572 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 117388

Ion Ratio Lower Upper

97 100

83 86.1 70.5 105.7

85 55.8 45.8 68.6

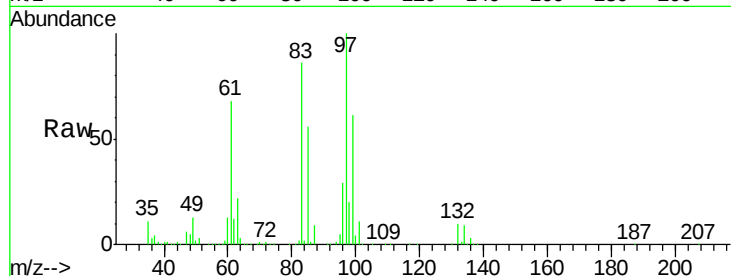
99 61.3 51.0 76.4

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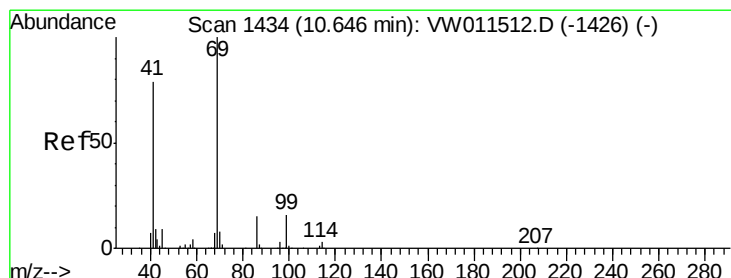
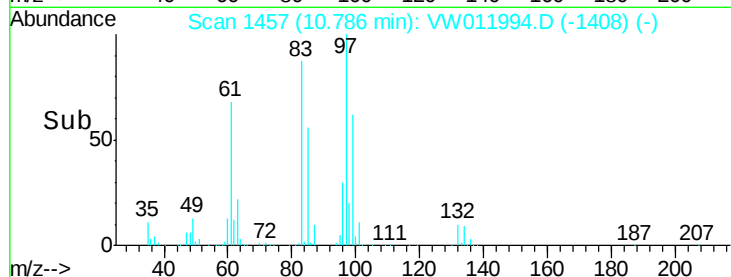
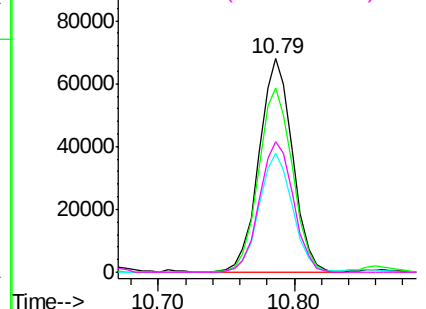
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 59.698 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

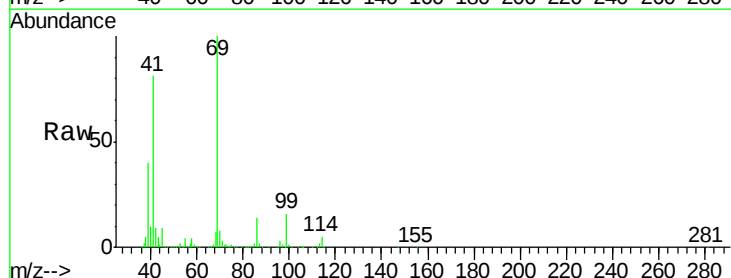
Tgt Ion: 69 Resp: 178119

Ion Ratio Lower Upper

69 100

41 81.3 66.6 99.8

39 37.7 30.3 45.5

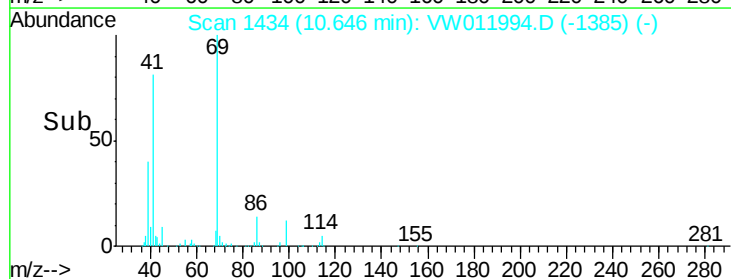
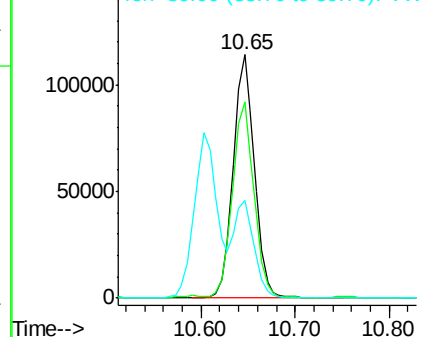


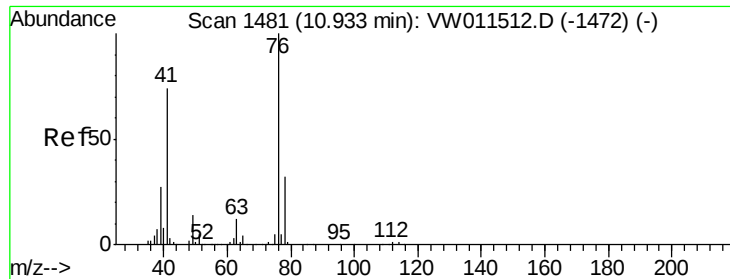
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





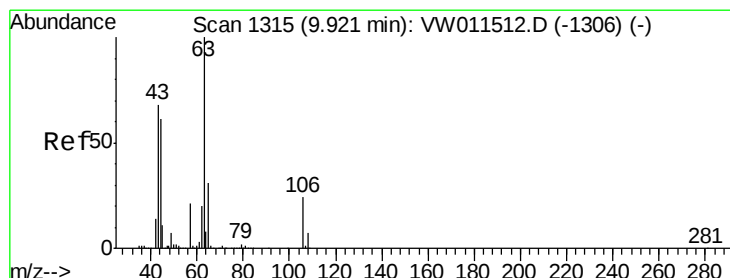
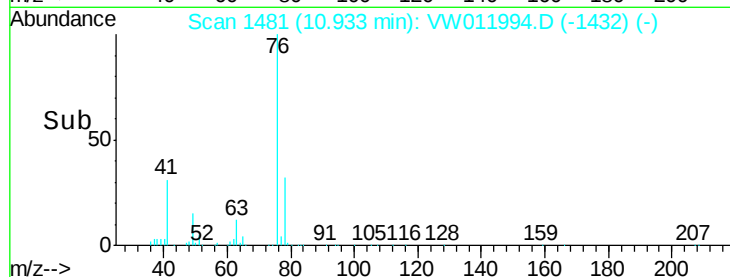
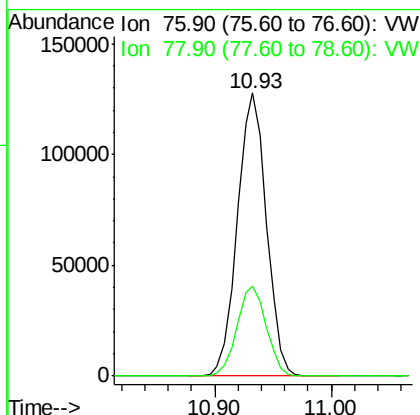
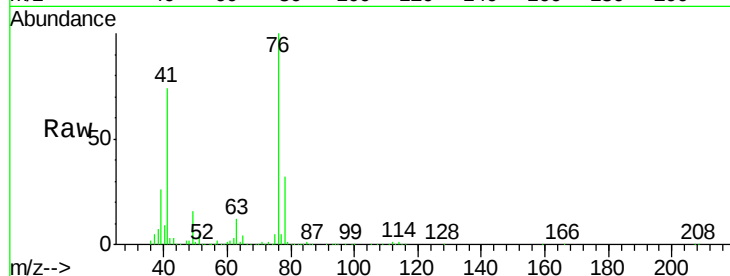
#57
 1,3-Dichloropropane
 Concen: 57.559 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 222034
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

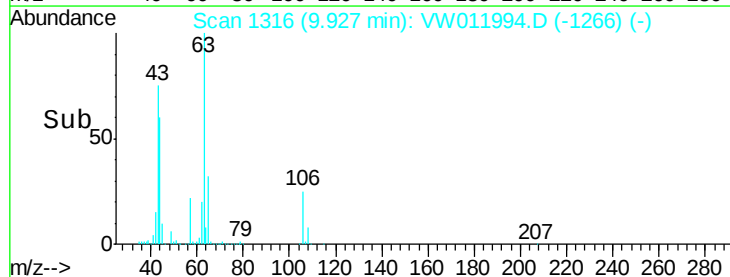
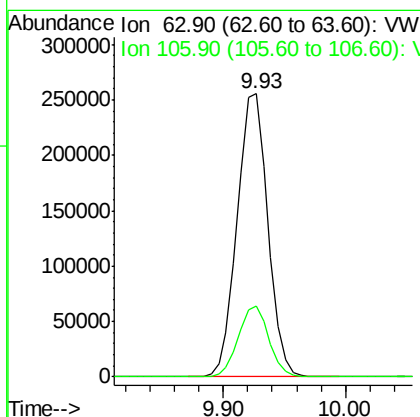
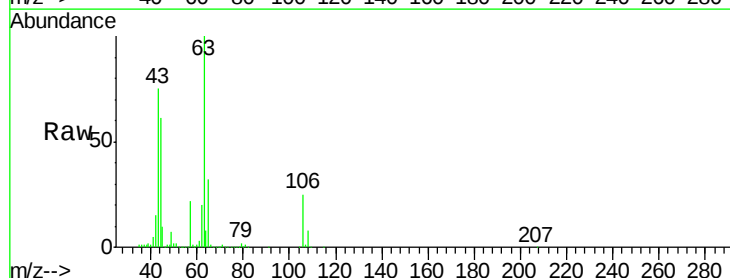
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 327.864 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion: 63 Resp: 444157
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5





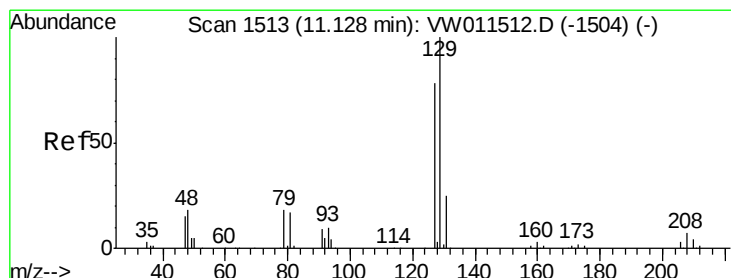
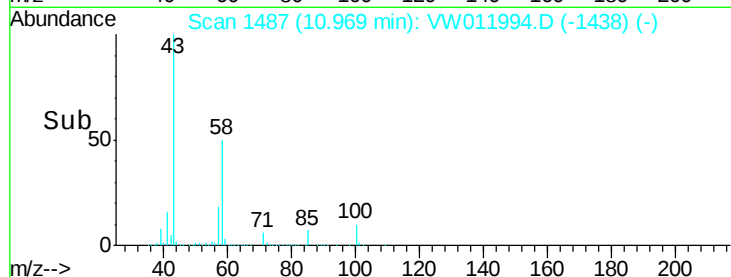
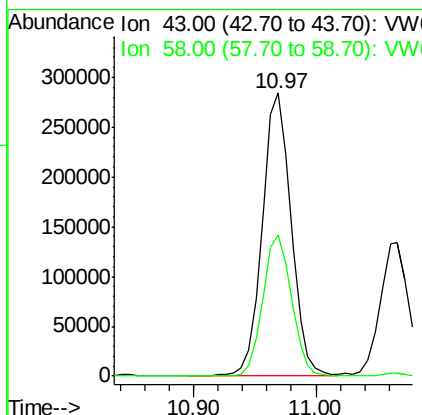
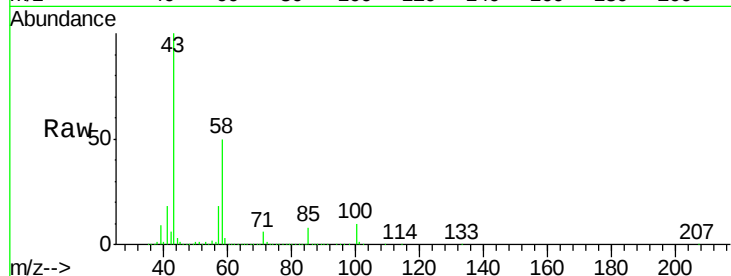
#59
2-Hexanone
Concen: 286.695 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	468018
Ion Ratio	100	Lower	Upper
43	100		
58	49.7	24.3	72.9

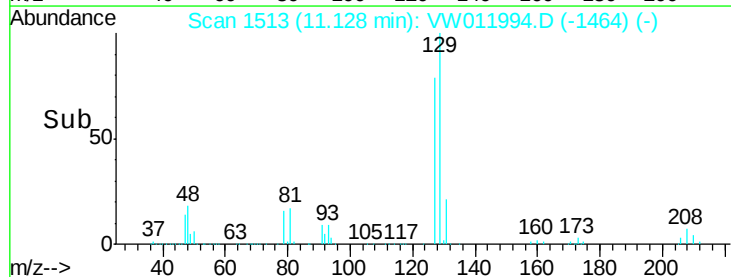
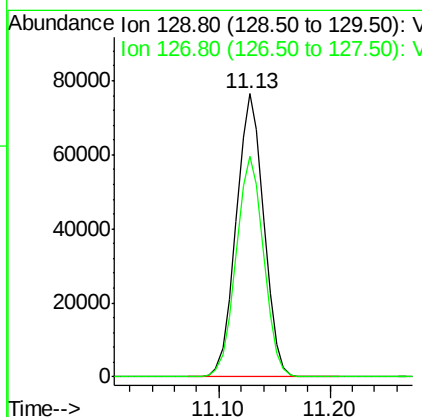
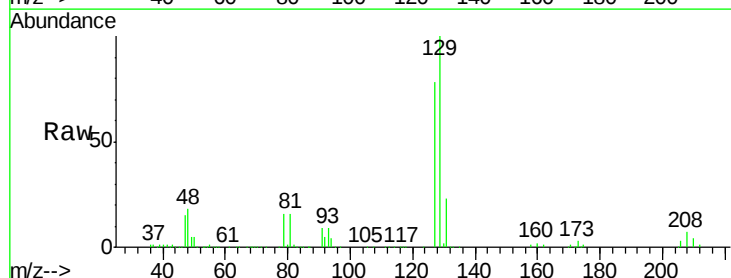
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#60
Dibromochloromethane
Concen: 57.888 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	129	Resp	131017
Ion Ratio	100	Lower	Upper
129	100		
127	77.8	38.9	116.7





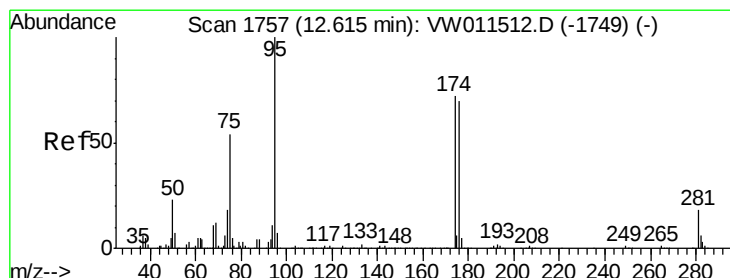
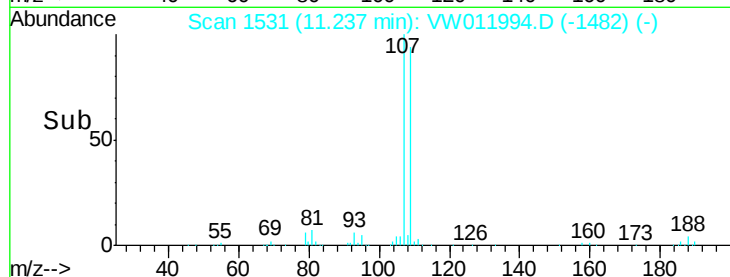
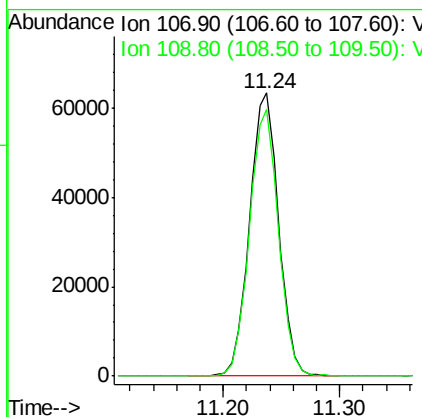
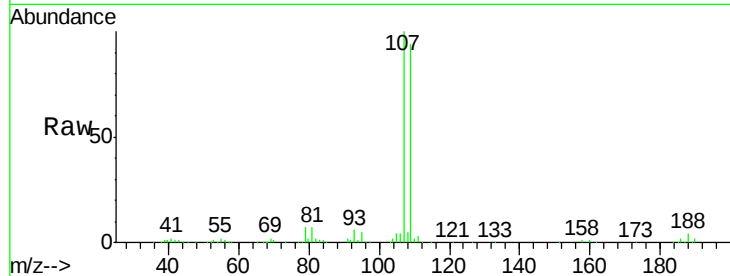
#61
 1,2-Dibromoethane
 Concen: 57.235 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.0	112.6

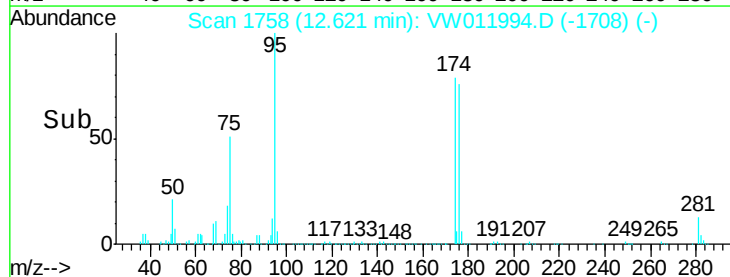
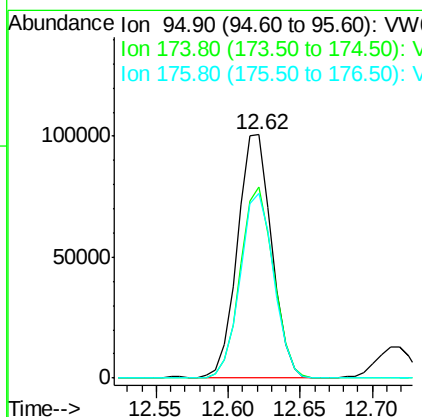
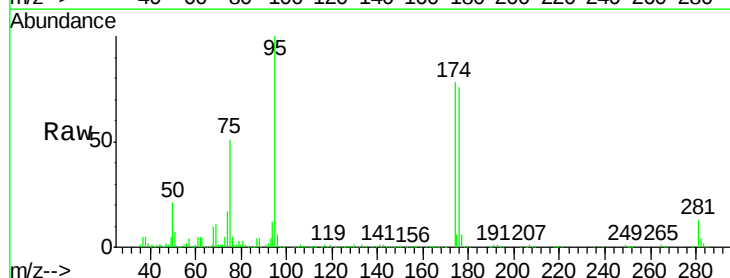
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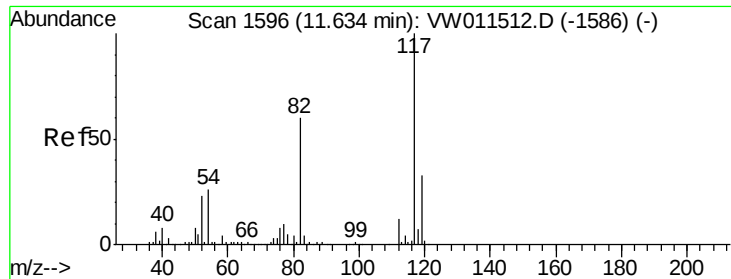
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#62
 4-Bromofluorobenzene
 Concen: 50.044 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	150.2
176	74.7	0.0	144.4





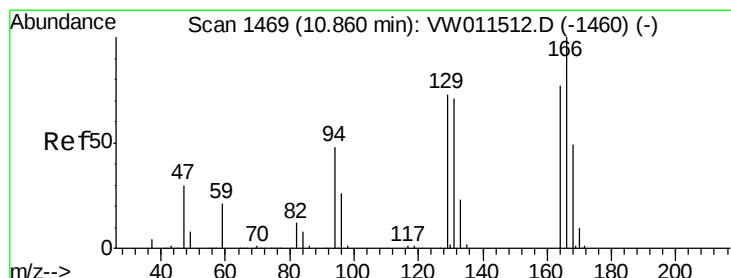
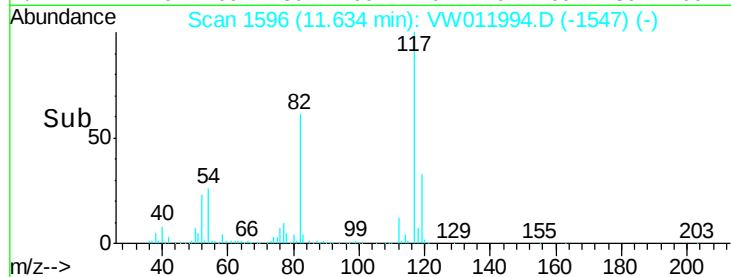
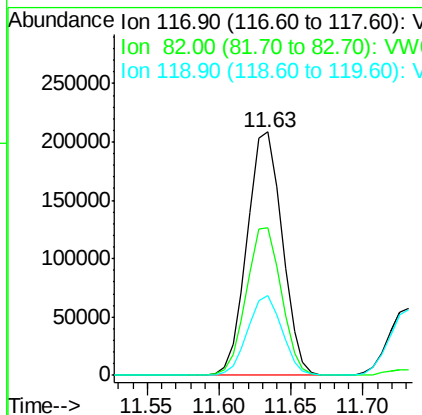
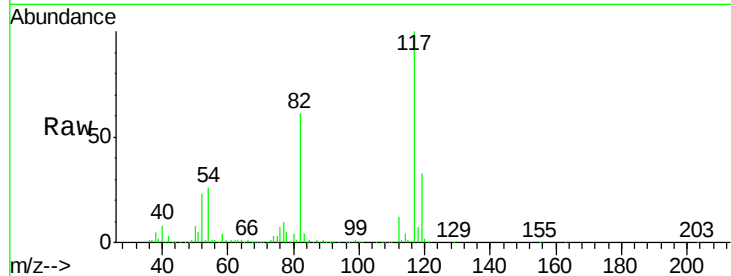
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	352647		
82	60.7	47.9	71.9	
119	32.9	26.2	39.2	

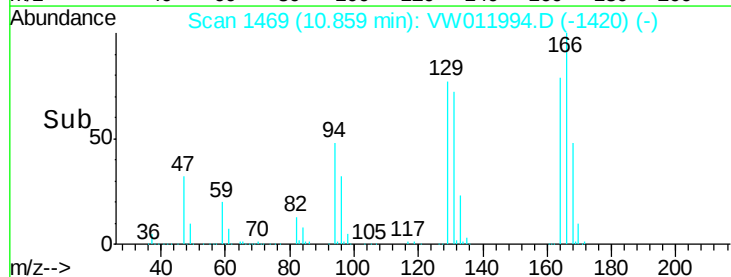
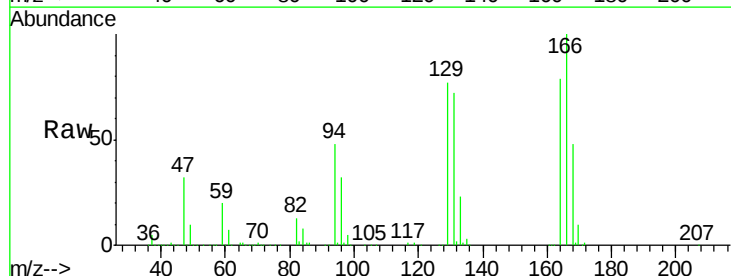
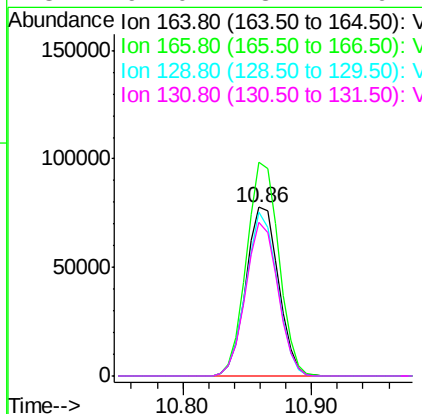
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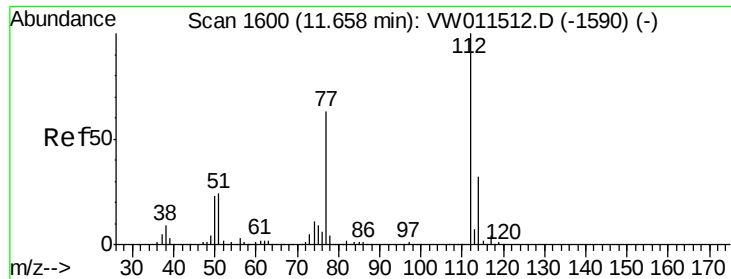
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#64
Tetrachloroethene
Concen: 59.065 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	135619		
166	126.8	103.5	155.3	
129	97.6	75.2	112.8	
131	91.0	73.4	110.2	





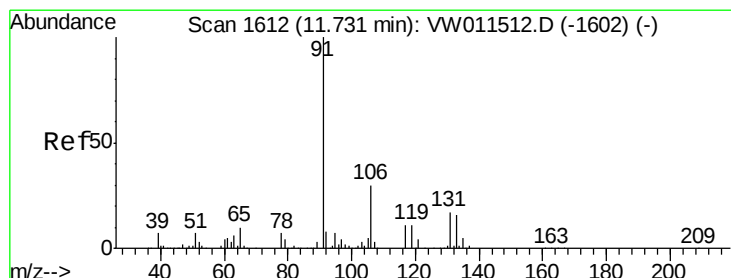
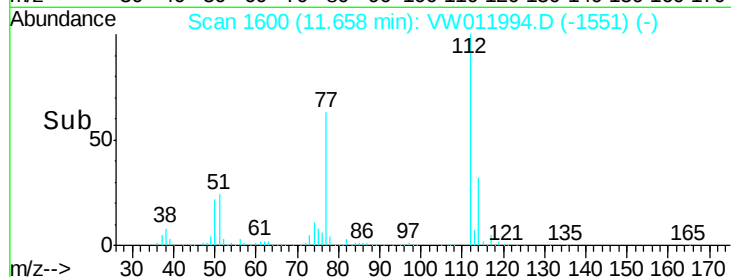
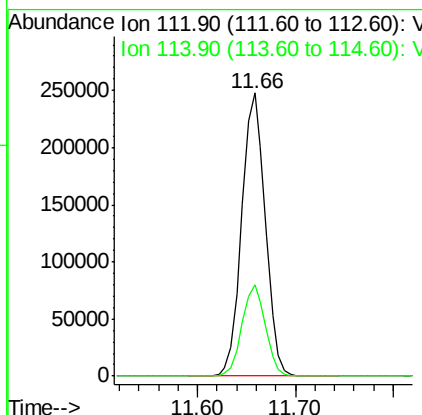
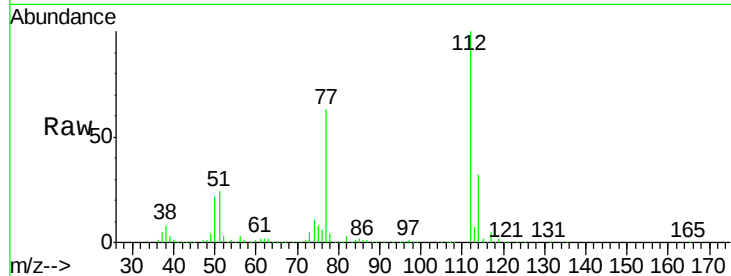
#65
Chlorobenzene
Concen: 58.384 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 413936
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

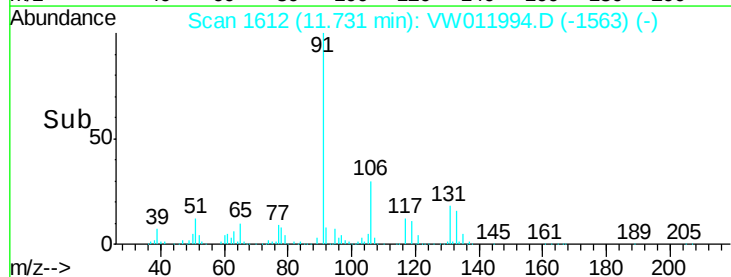
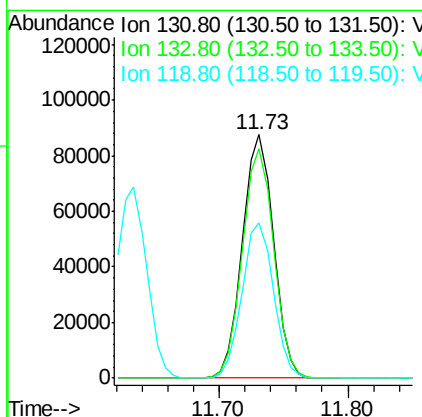
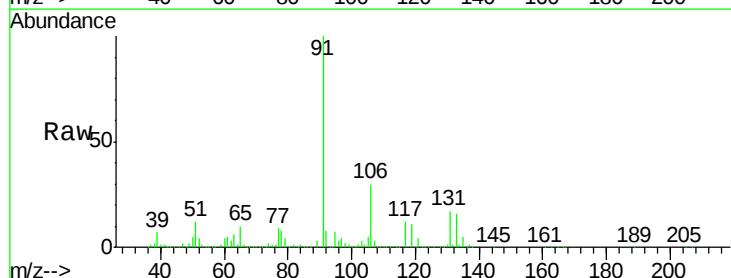
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.230 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion:131 Resp: 146273
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 64.5 32.3 96.9





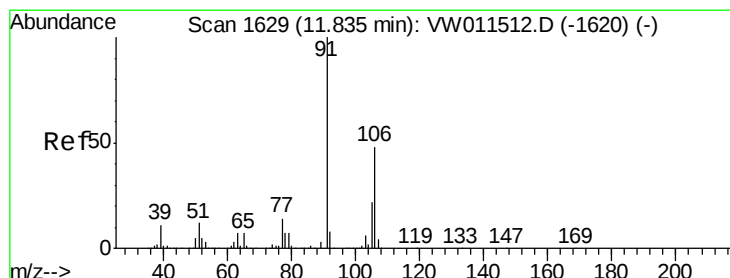
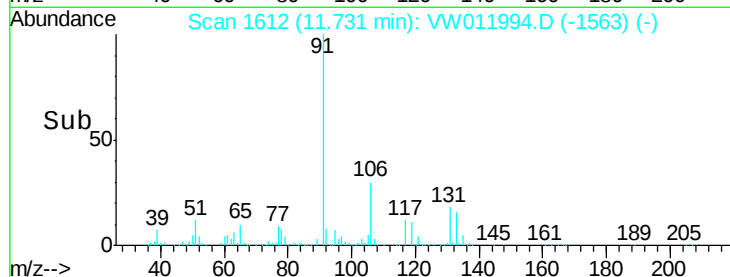
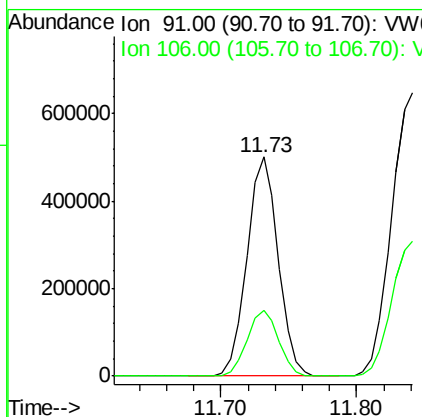
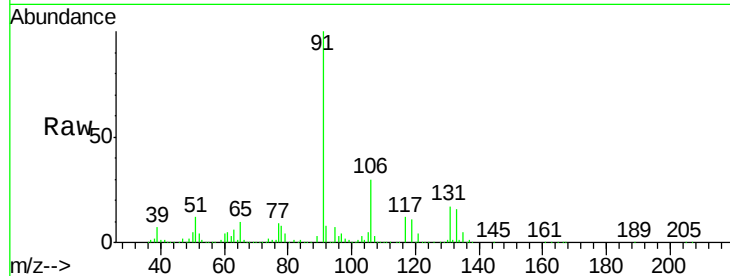
#67
Ethyl Benzene
Concen: 59.586 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 804587
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6

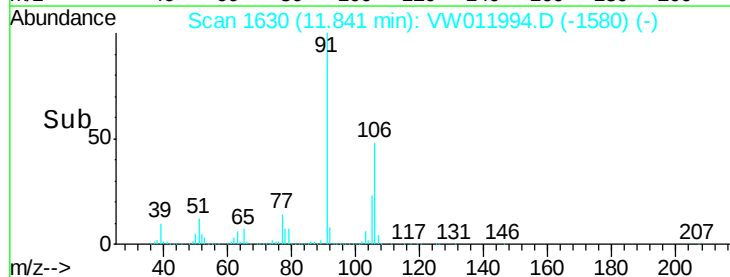
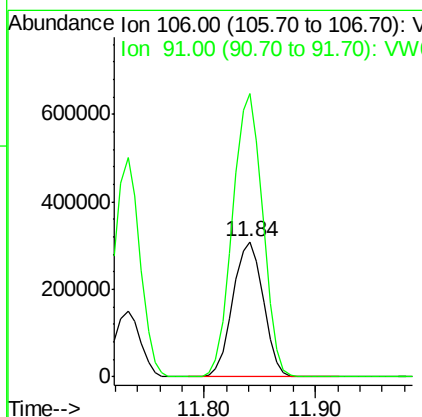
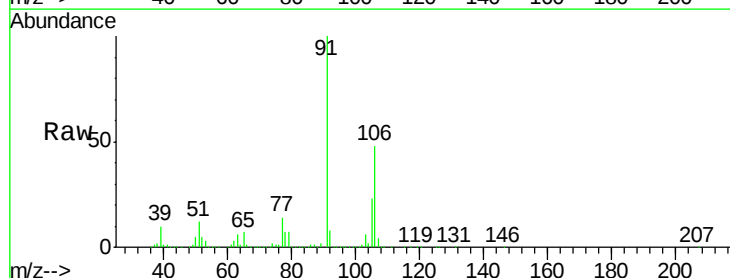
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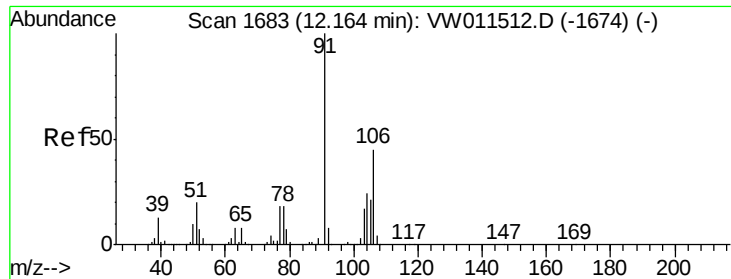
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#68
m/p-Xylenes
Concen: 118.854 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion: 106 Resp: 583648
Ion Ratio Lower Upper
106 100
91 208.3 168.2 252.2





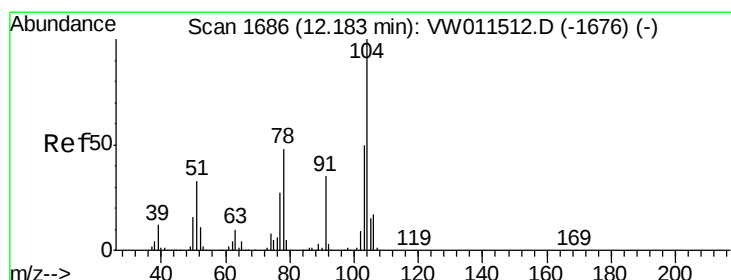
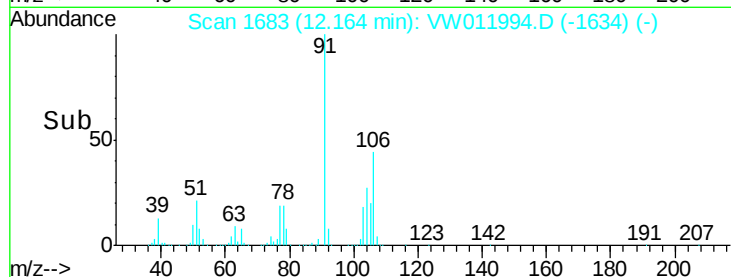
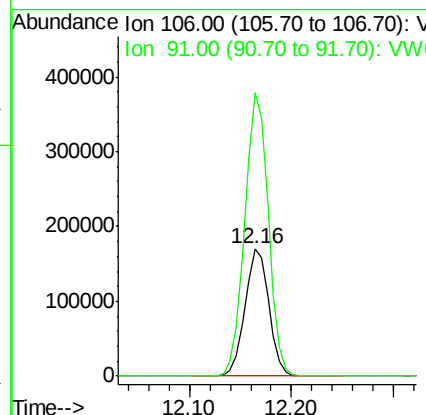
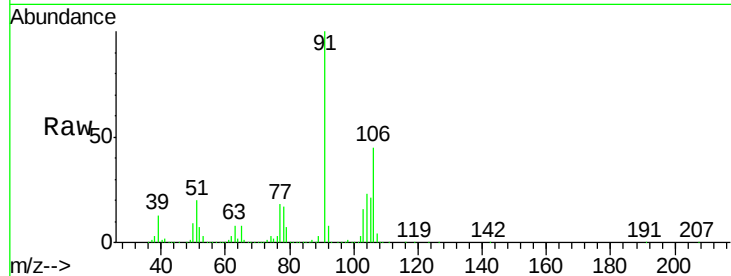
#69
o-Xylene
Concen: 60.134 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.9	110.5	331.5

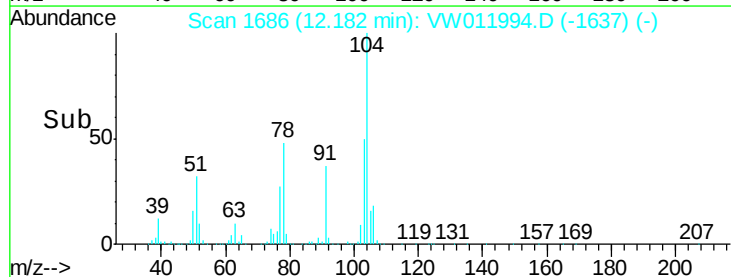
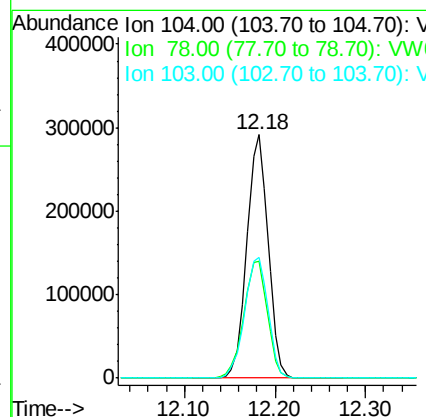
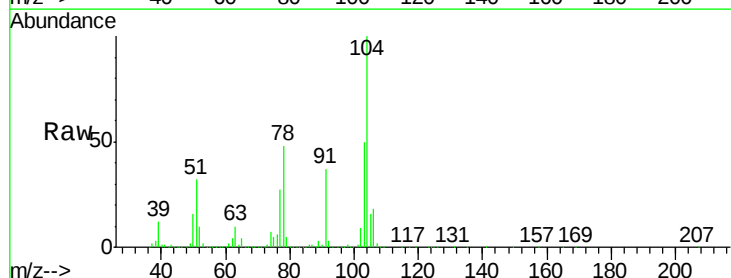
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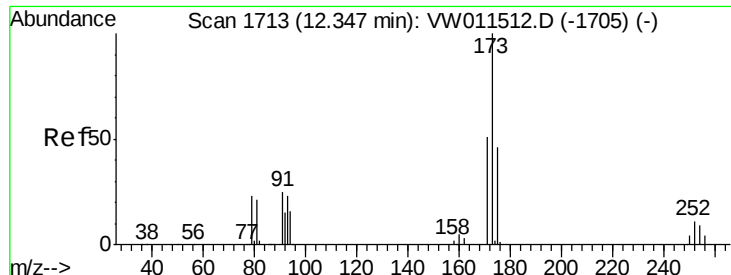
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#70
Styrene
Concen: 60.033 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.3	43.4	65.0
103	55.0	43.9	65.9





#71

Bromoform

Concen: 59.324 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 74697

Ion Ratio Lower Upper

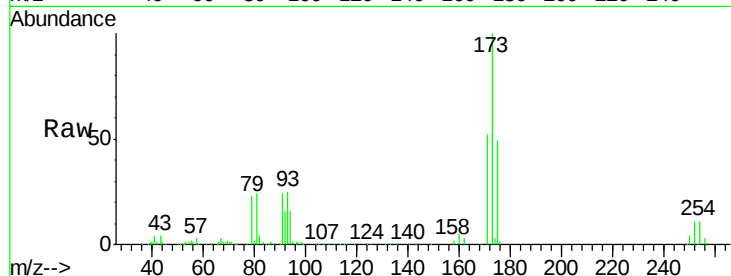
173 100

175 48.6 23.6 71.0

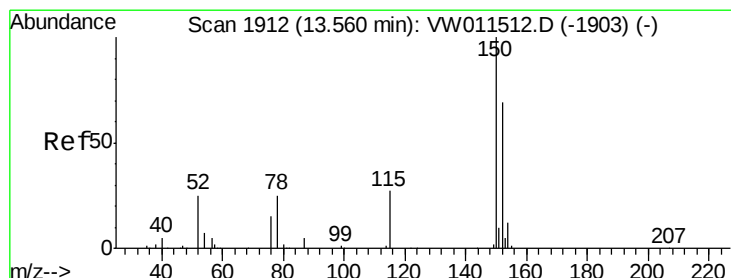
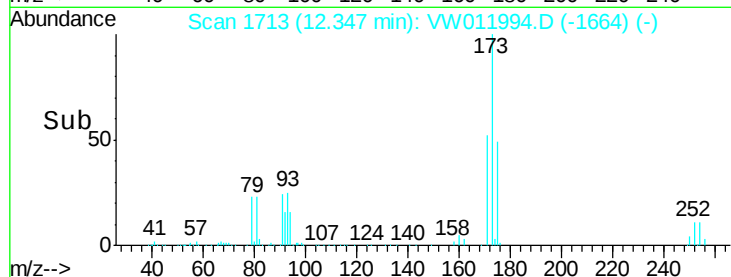
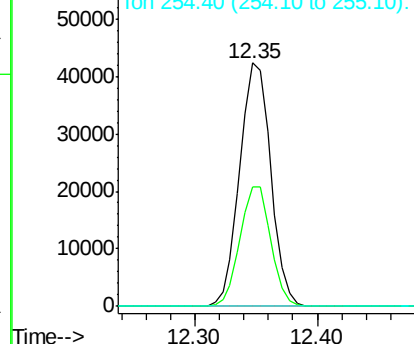
254 0.1 0.1 0.1#

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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: VW011994.D

Acq: 19 Aug 2019 16:23

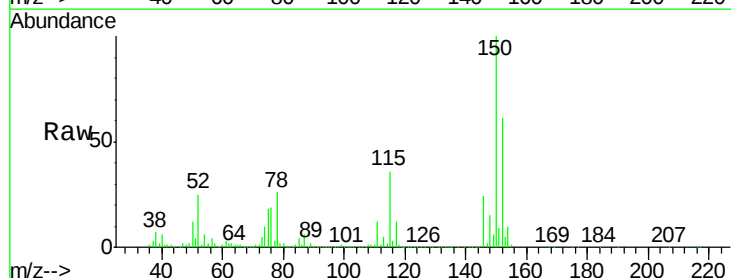
Tgt Ion:152 Resp: 170293

Ion Ratio Lower Upper

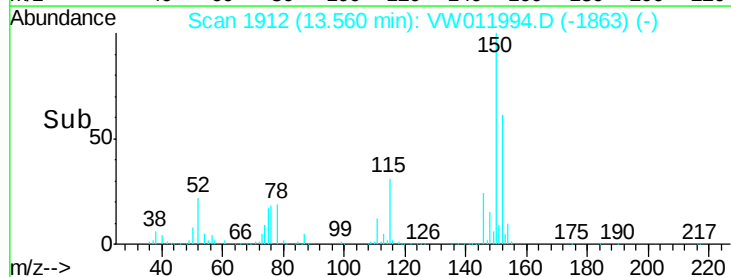
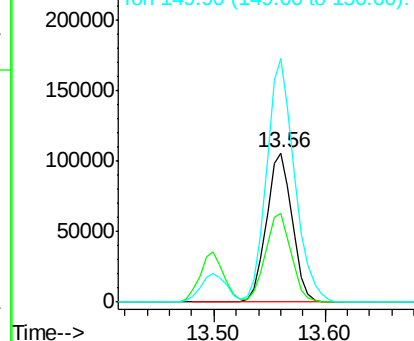
152 100

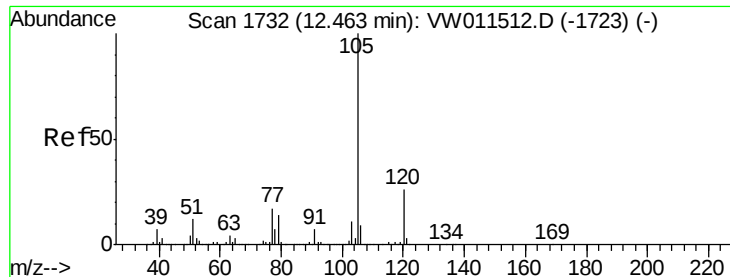
115 59.7 30.5 91.5

150 177.0 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





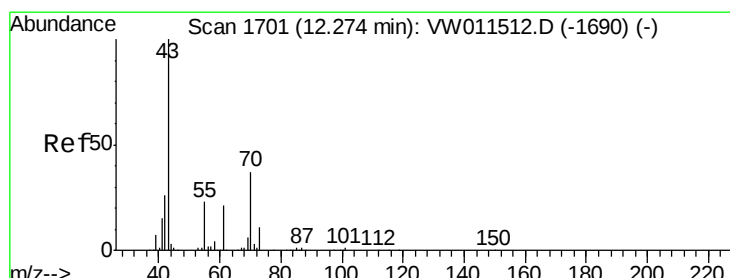
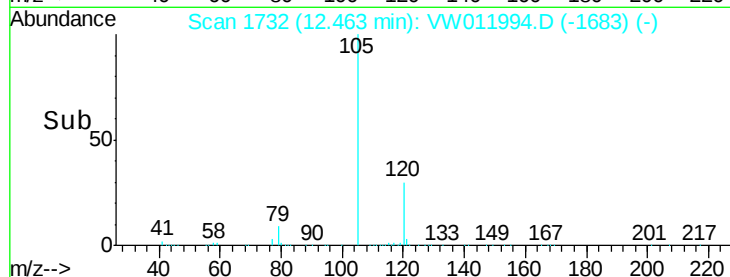
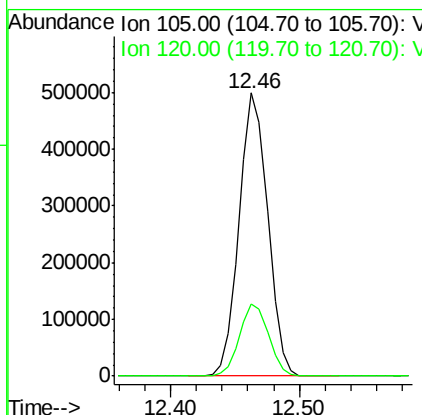
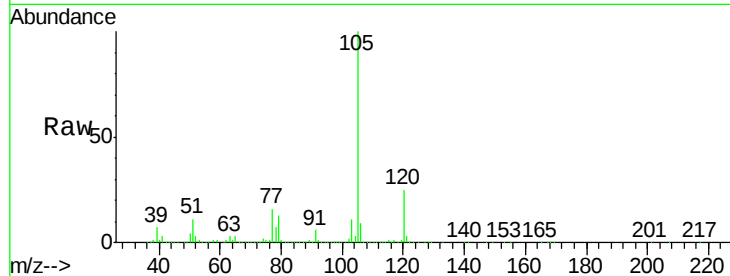
#73
Isopropylbenzene
Concen: 60.533 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

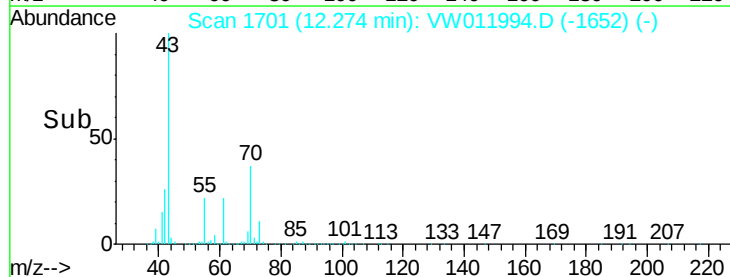
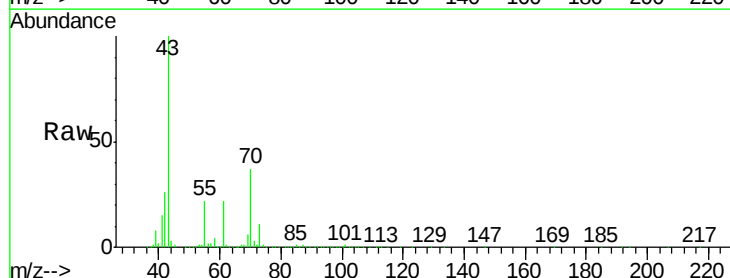
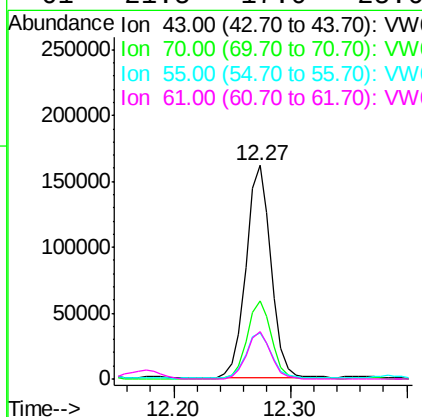
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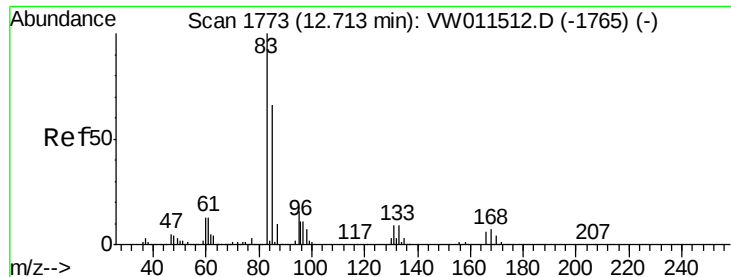
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#74
N-ethyl acetate
Concen: 60.990 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.1	28.6	43.0
55	21.3	17.8	26.8
61	21.5	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 57.167 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

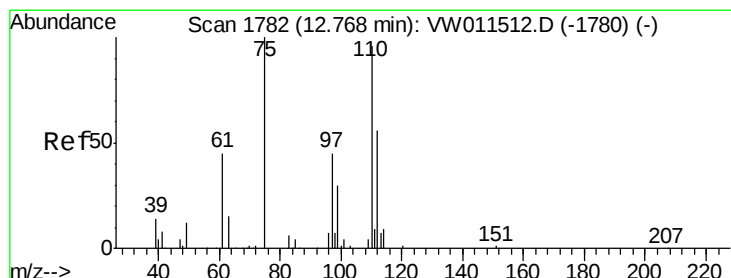
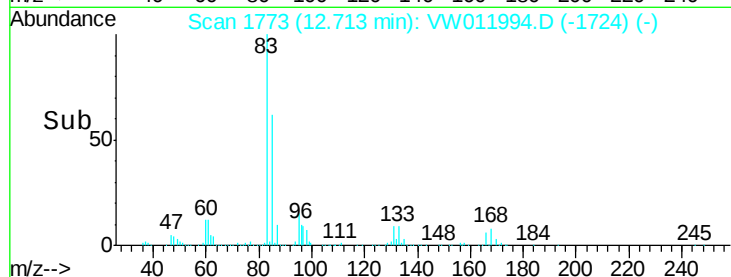
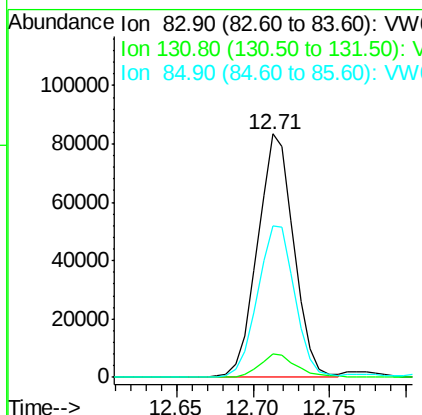
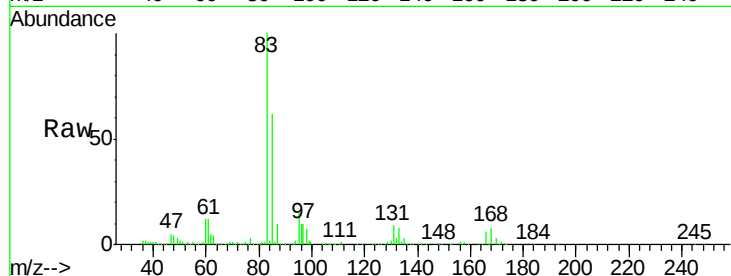
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	136609
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	64.1	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 54.091 ug/l m

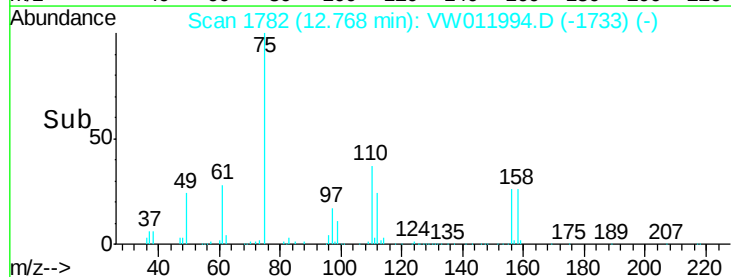
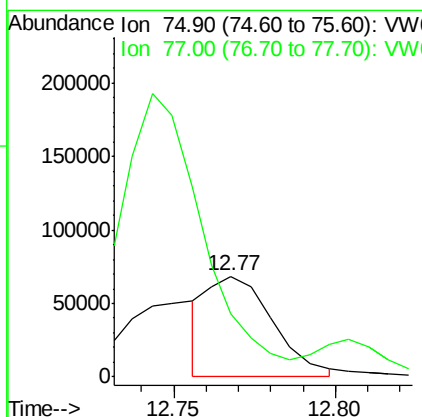
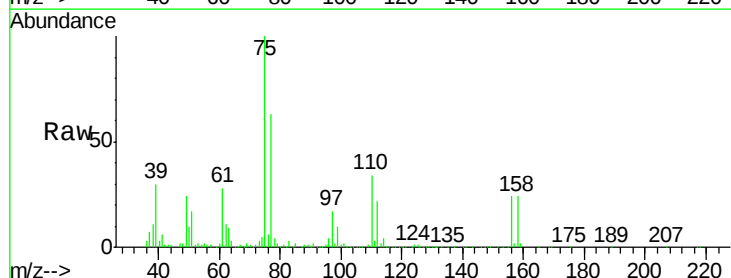
RT: 12.77 min Scan# 1782

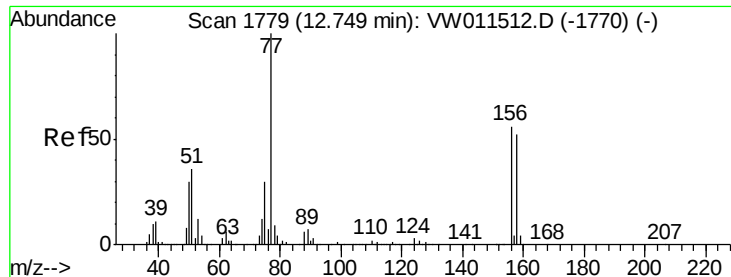
Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion:	75	Resp:	97466
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 58.747 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

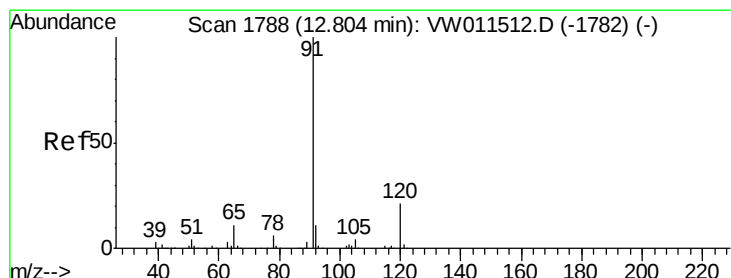
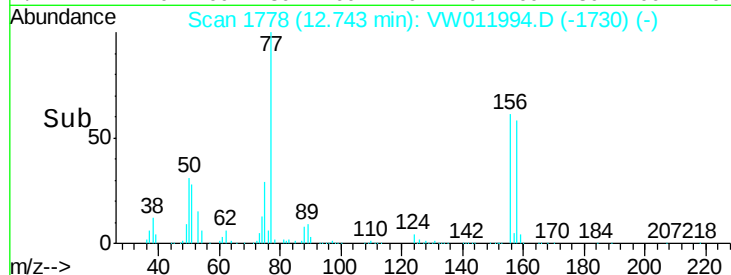
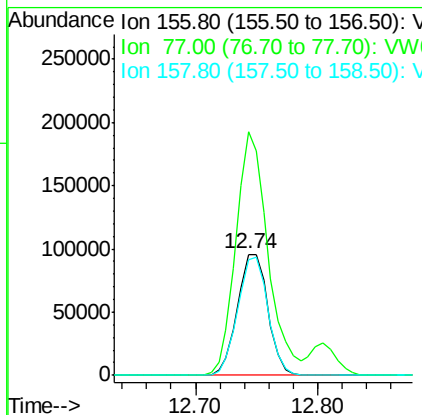
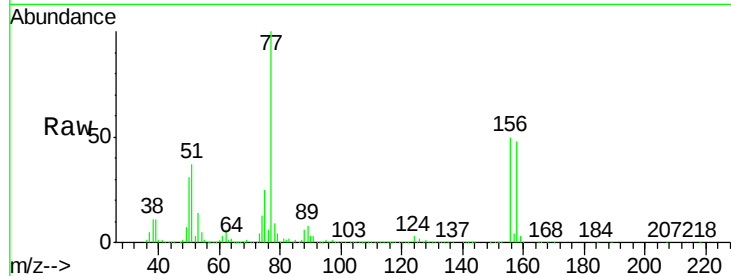
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	164962
Ion Ratio	Lower	Upper	
156	100		
77	211.7	106.5	319.4
158	97.2	48.0	144.2

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#78

n-propylbenzene

Concen: 60.548 ug/l

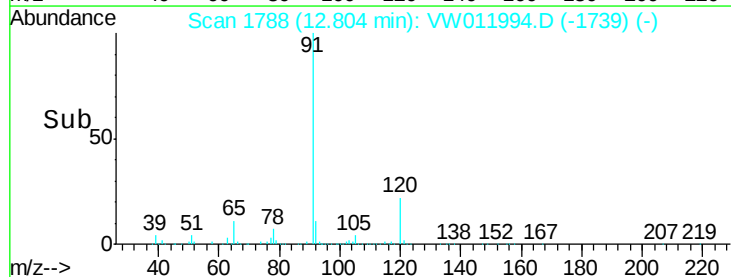
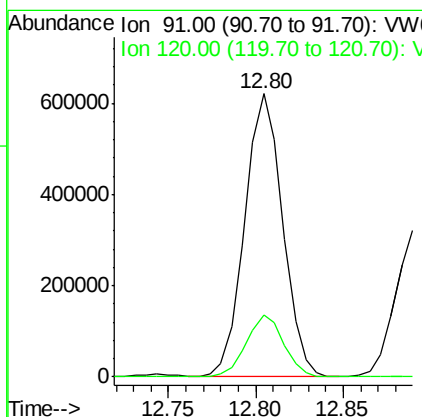
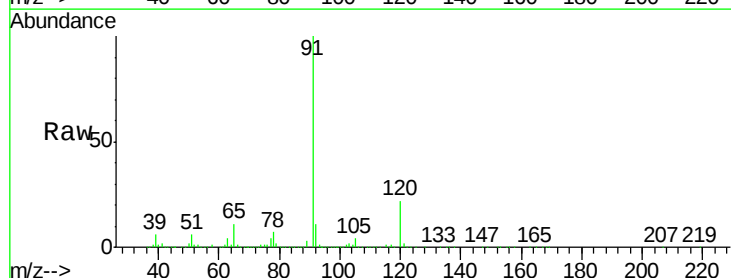
RT: 12.80 min Scan# 1788

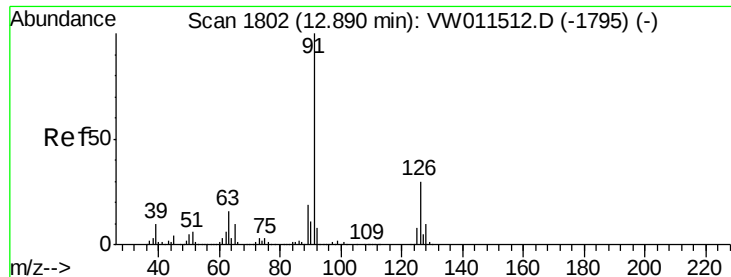
Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion:	91	Resp:	936138
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.9	32.7





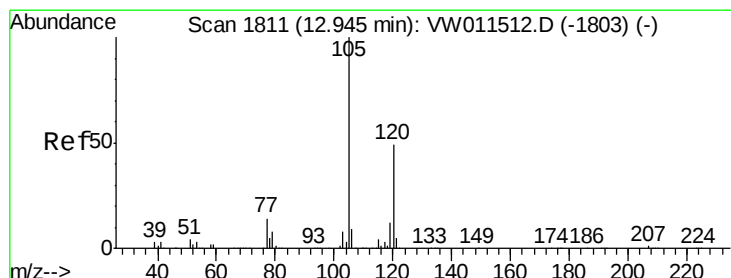
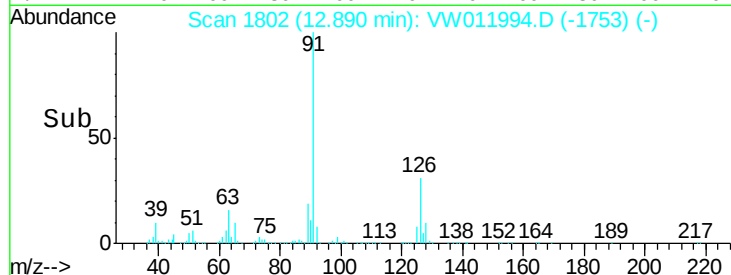
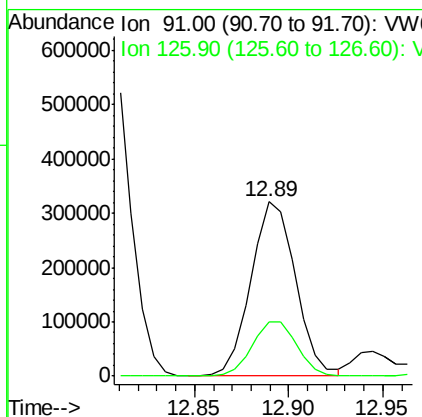
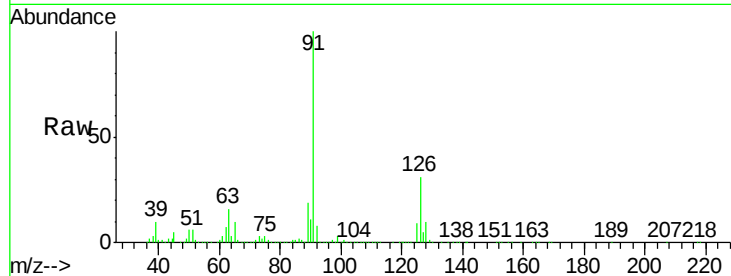
#79
 2-Chlorotoluene
 Concen: 59.335 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 528512
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1

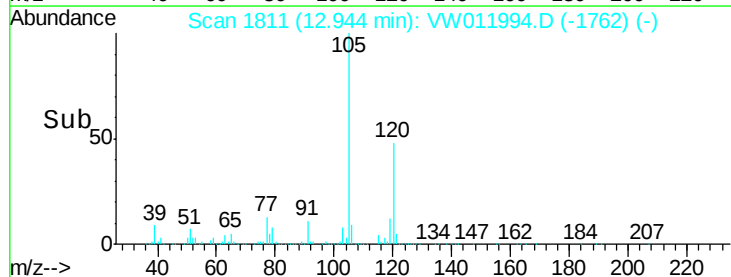
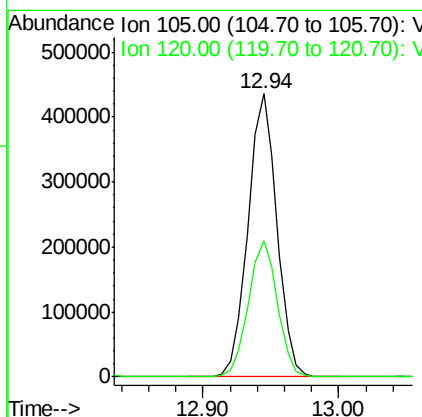
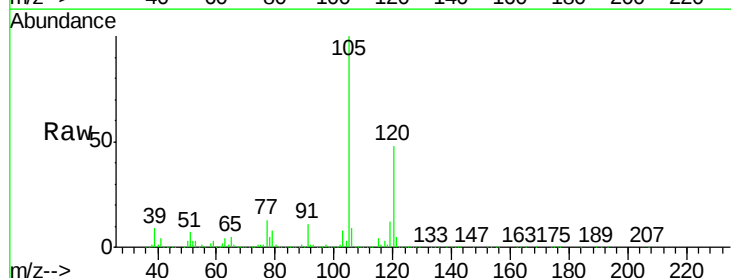
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#80
 1,3,5-Trimethylbenzene
 Concen: 60.782 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion:105 Resp: 647291
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.3





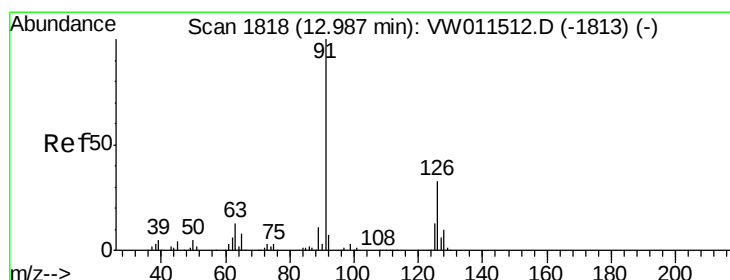
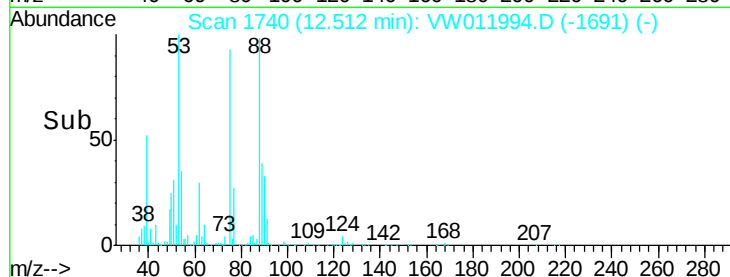
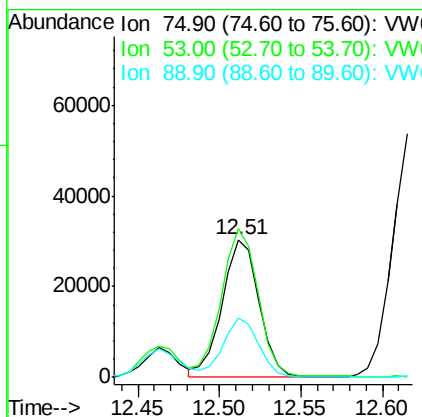
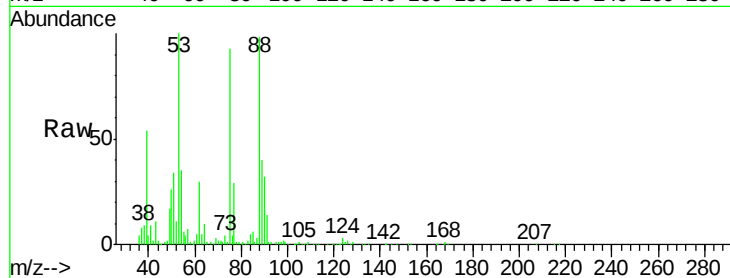
#81
trans-1,4-Dichloro-2-butene
Concen: 60.697 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.3	88.0	132.0
89	42.0	35.3	52.9

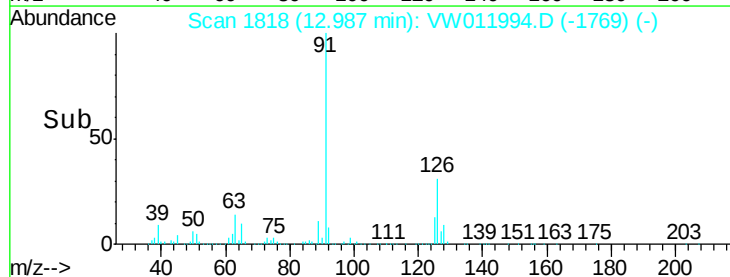
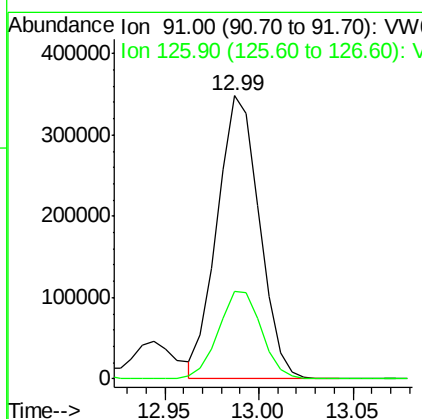
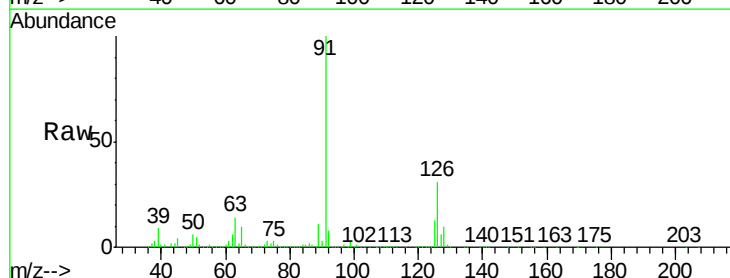
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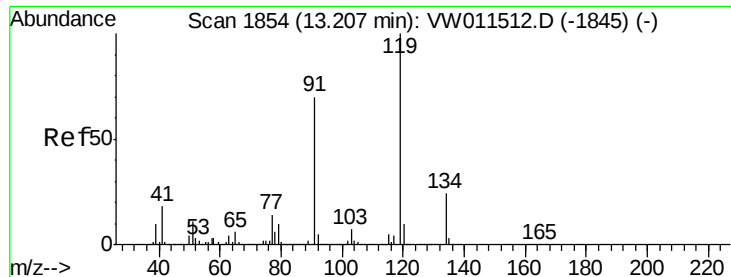
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#82
4-Chlorotoluene
Concen: 57.810 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





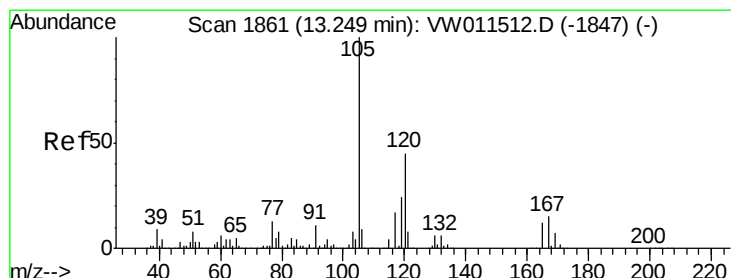
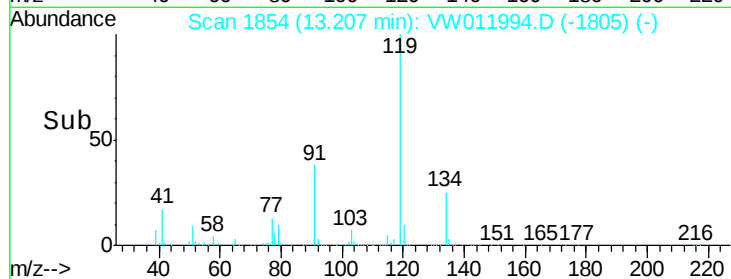
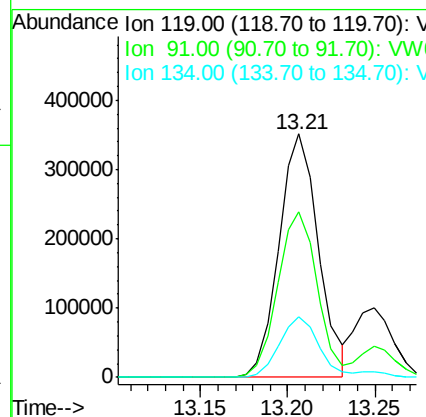
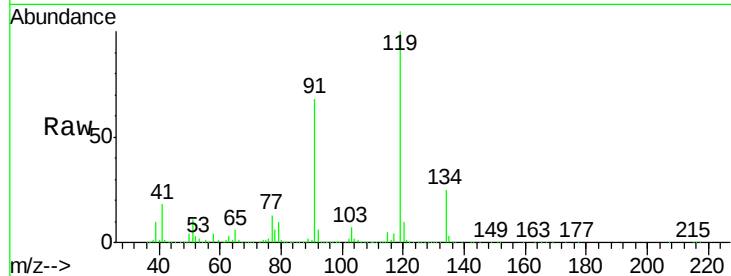
#83
tert-Butylbenzene
Concen: 62.368 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	34.5	103.6
134	24.9	12.4	37.4

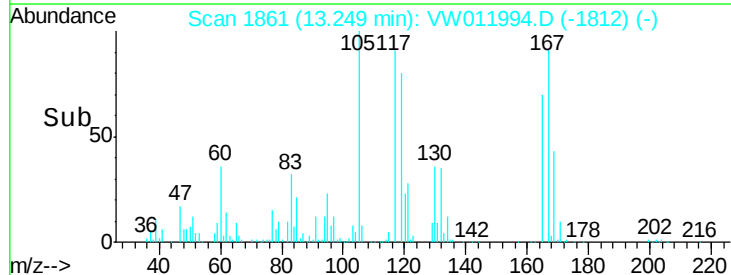
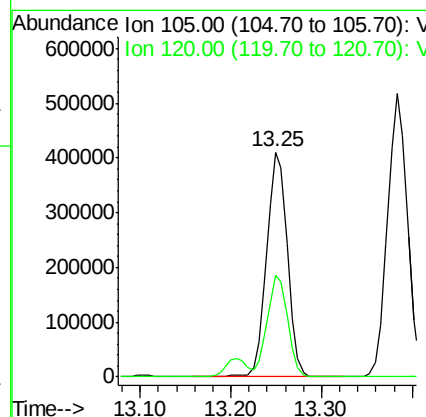
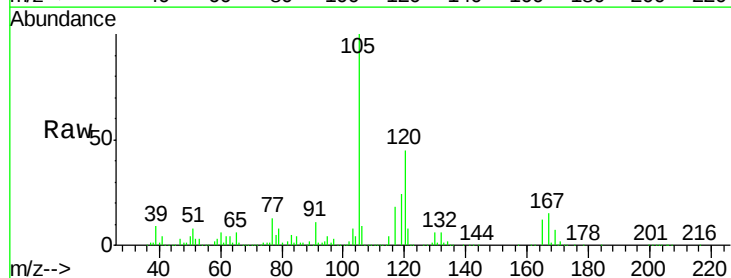
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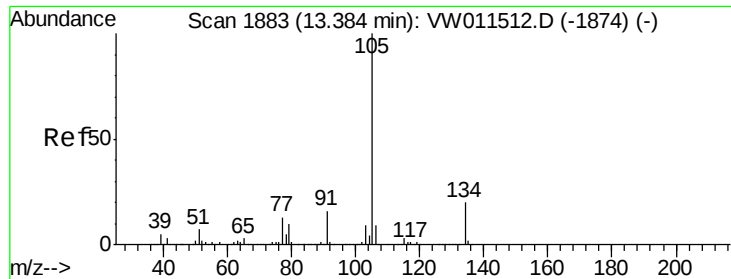
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#84
1,2,4-Trimethylbenzene
Concen: 60.263 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 61.820 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 785547

Ion Ratio Lower Upper

105 100

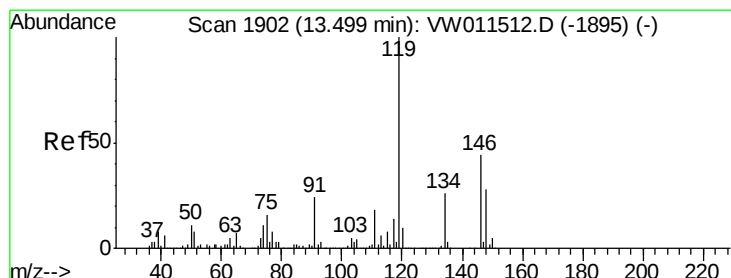
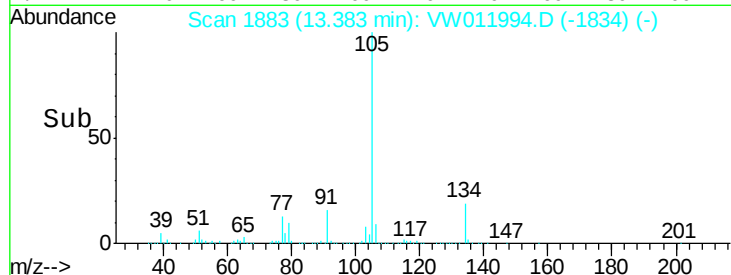
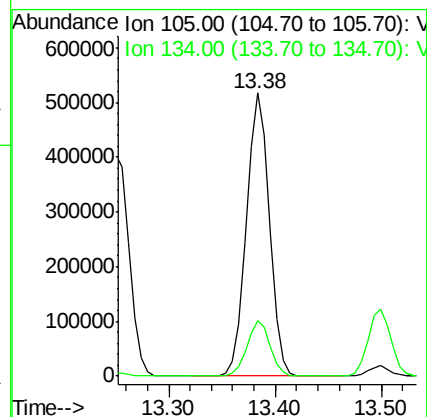
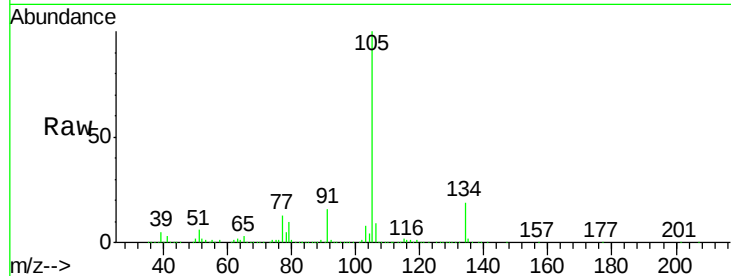
134 19.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 61.767 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

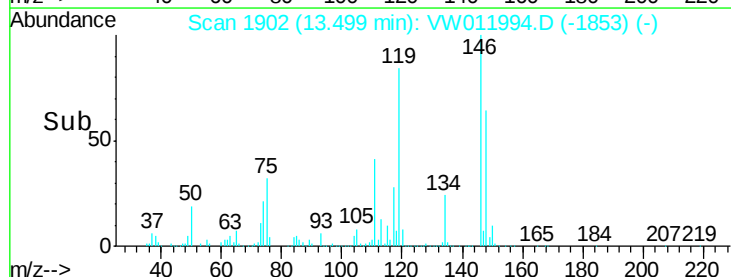
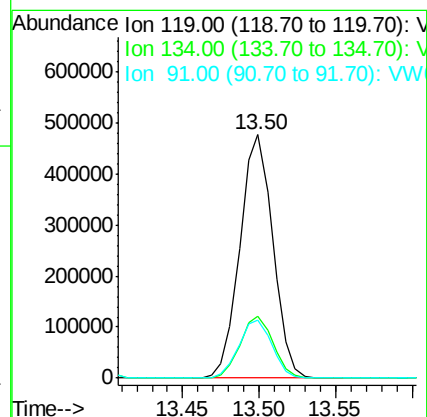
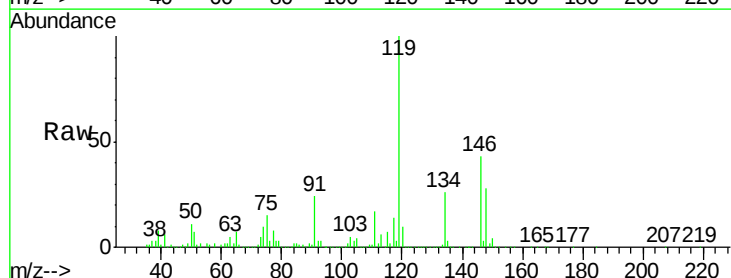
Tgt Ion:119 Resp: 712121

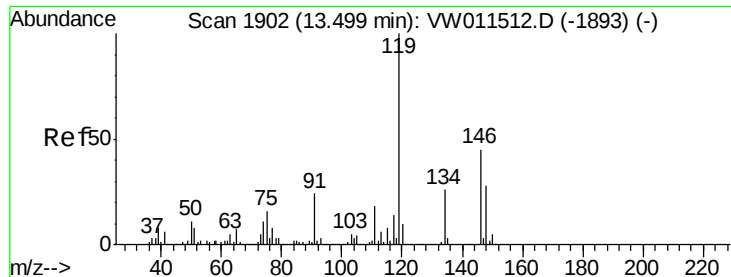
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 58.999 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

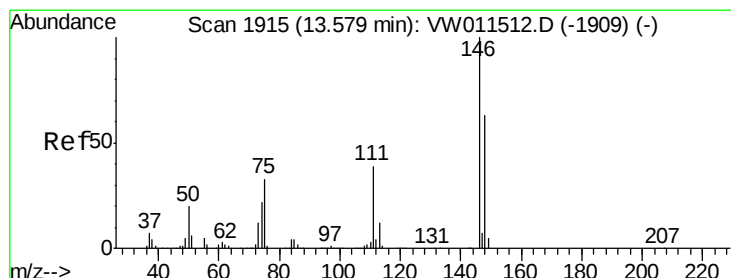
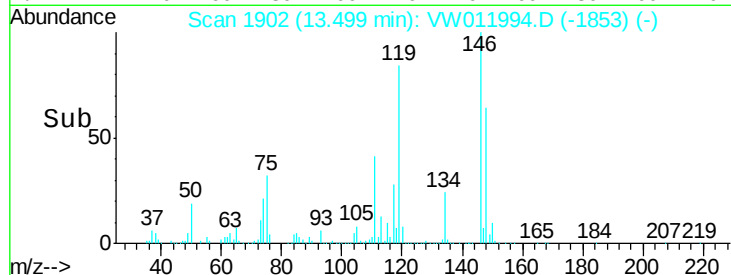
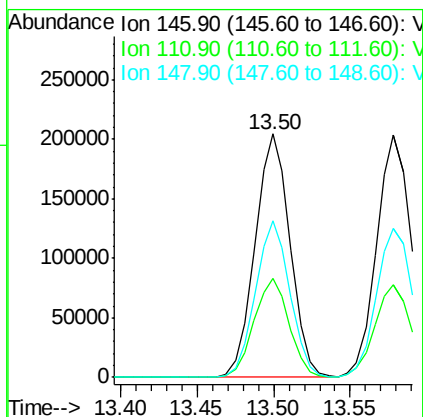
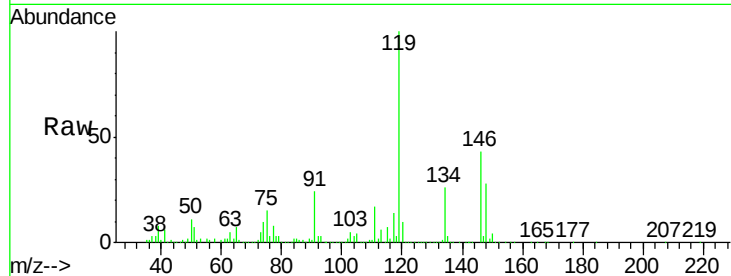
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	324842
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.5	61.6
148	63.5	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 58.521 ug/l

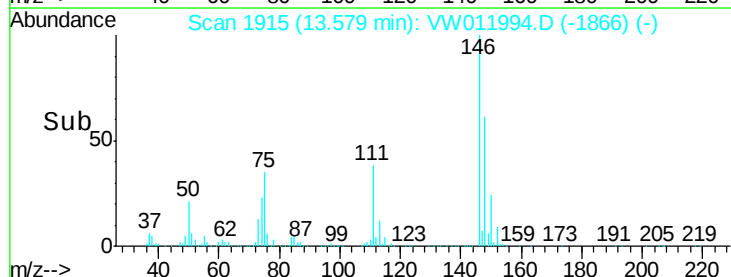
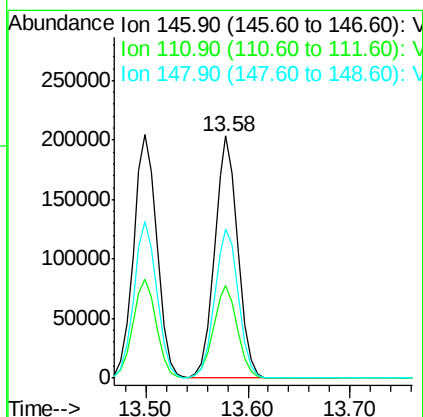
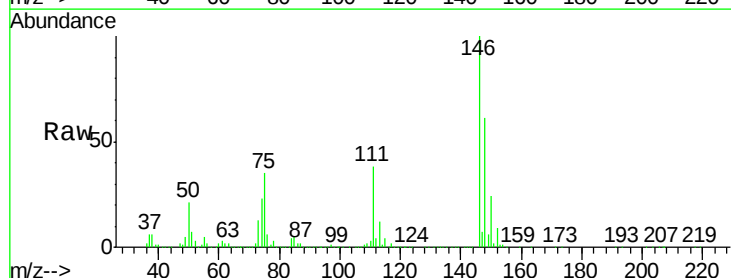
RT: 13.58 min Scan# 1915

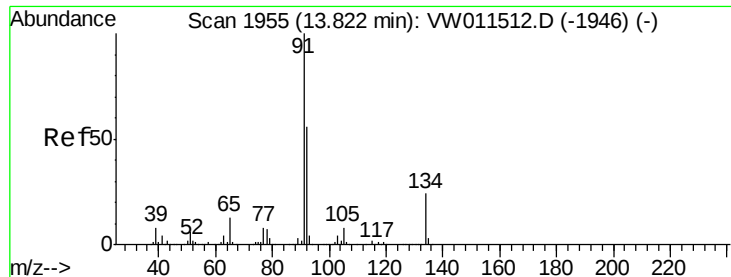
Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion:	146	Resp:	320525
Ion Ratio	Lower	Upper	
146	100		
111	39.4	20.1	60.2
148	63.3	31.9	95.9





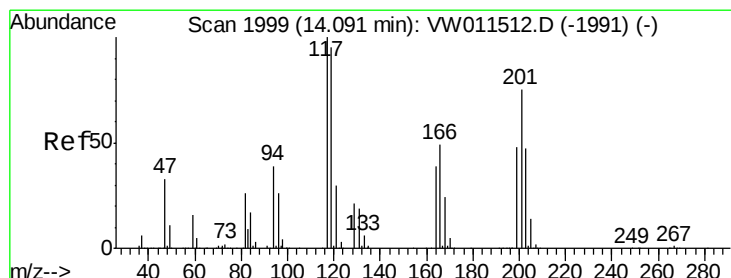
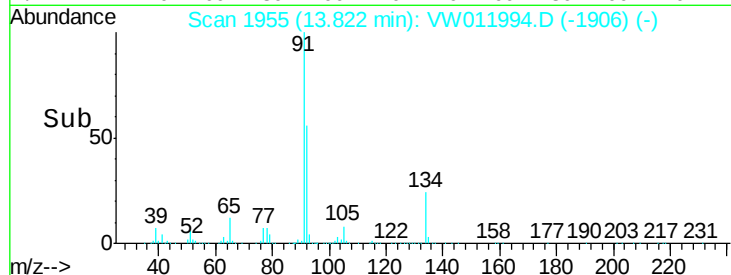
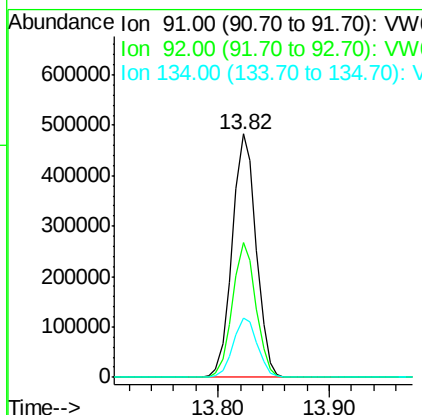
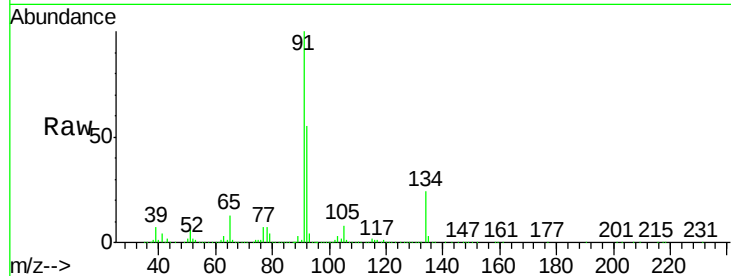
#89
n-Butylbenzene
Concen: 62.179 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	24.5	12.2	36.6

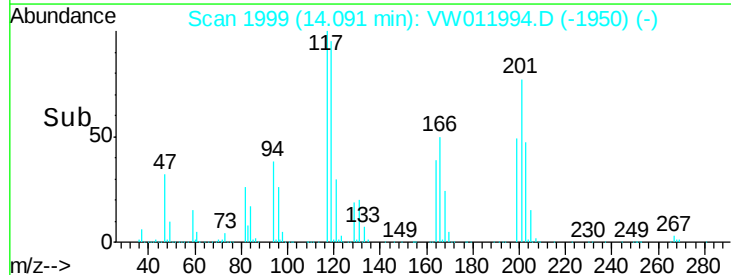
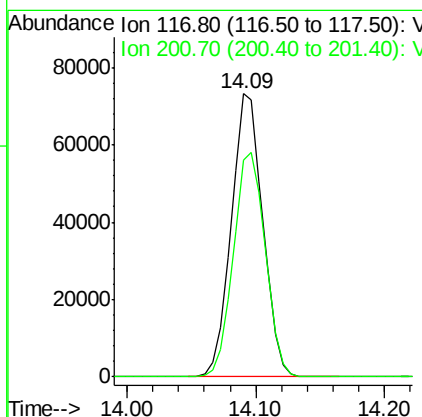
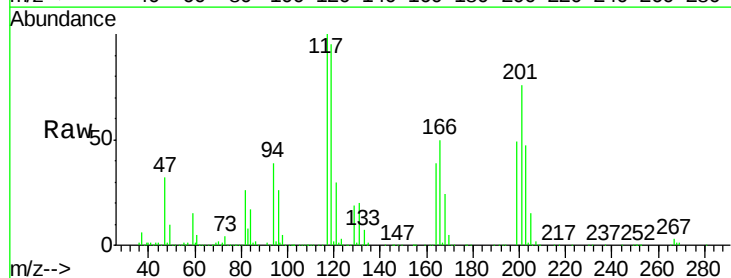
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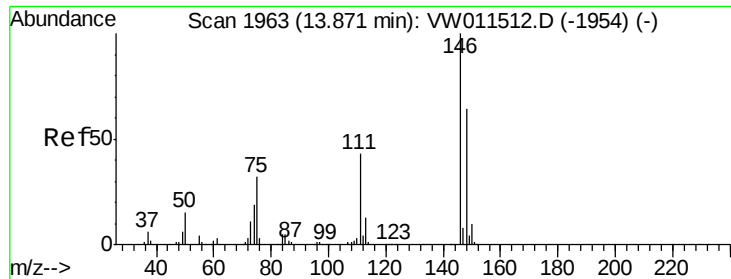
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#90
Hexachloroethane
Concen: 61.097 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	39.4	118.2





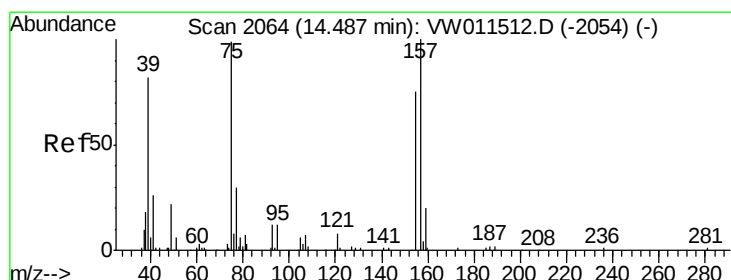
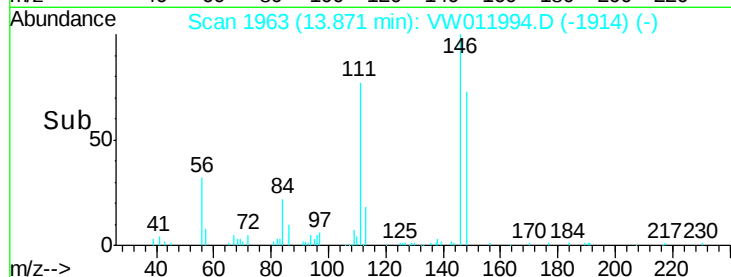
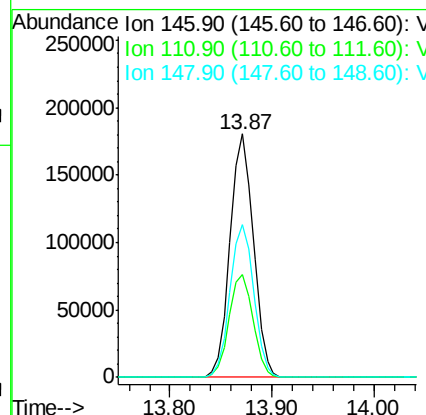
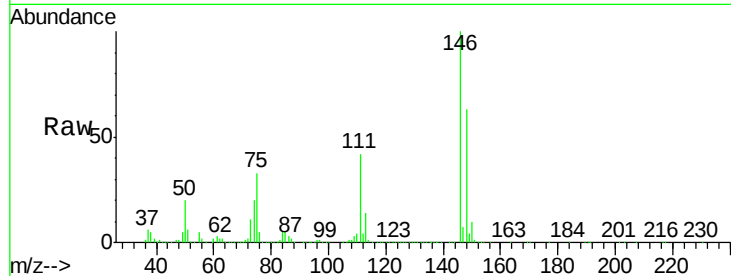
#91
 1,2-Dichlorobenzene
 Concen: 58.927 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286956		
111	43.2		21.6	65.0
148	63.8		32.0	96.2

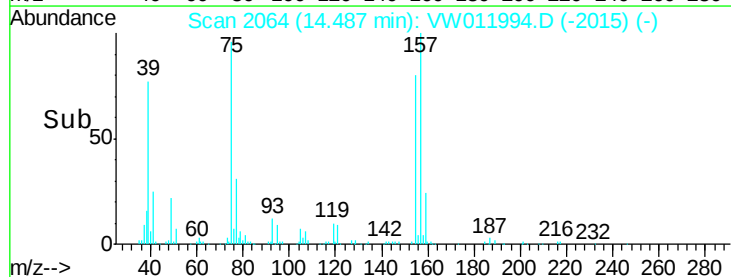
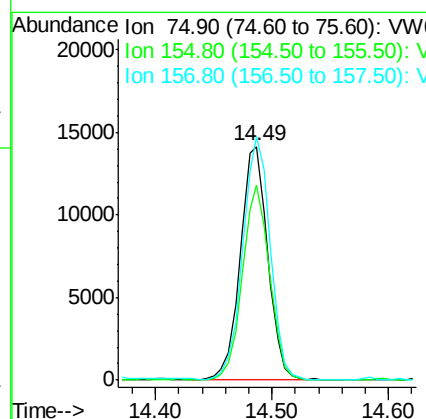
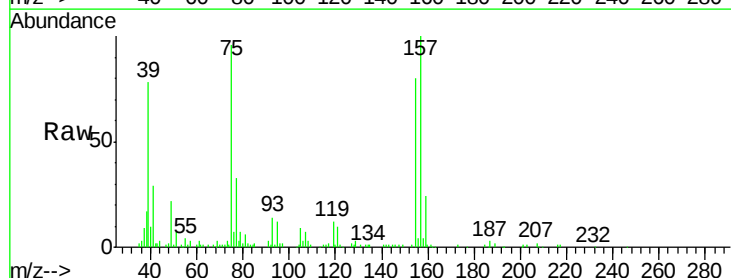
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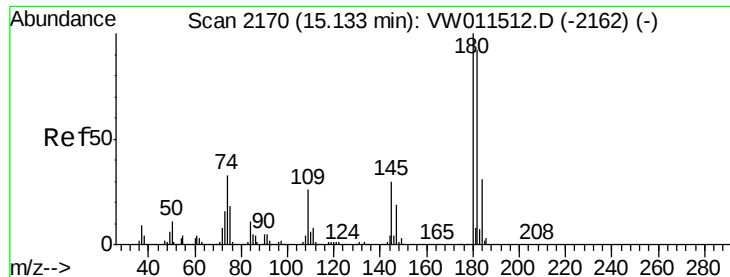
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.323 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23359		
155	82.2		38.2	114.6
157	104.1		48.9	146.7





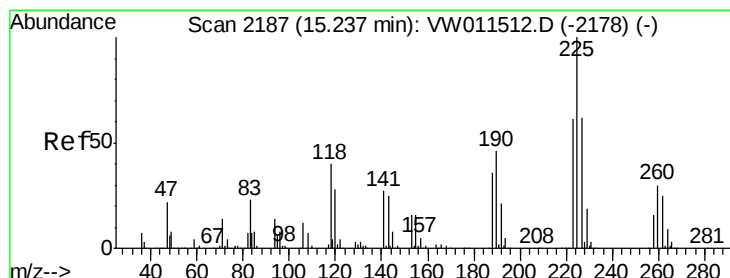
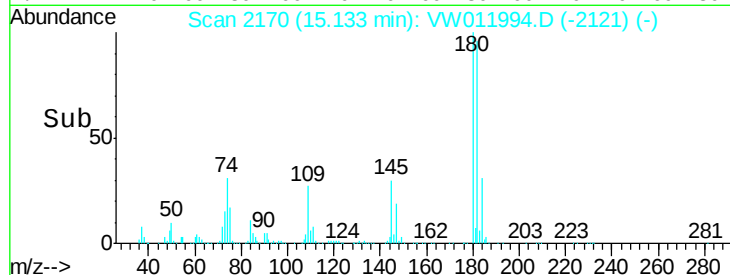
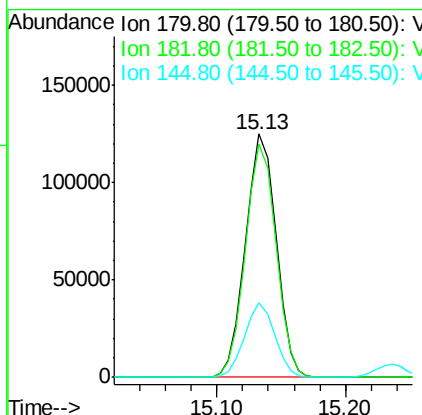
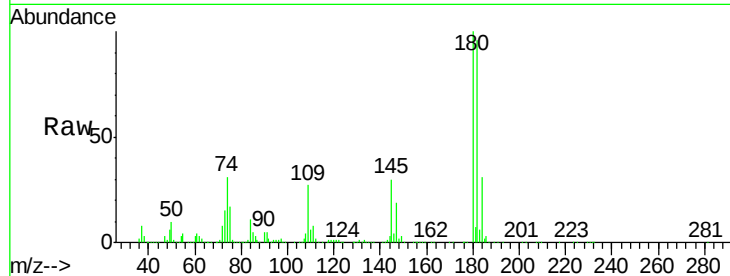
#93
 1,2,4-Trichlorobenzene
 Concen: 60.137 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	206391		
182	95.3	47.4	142.2	
145	30.3	15.4	46.1	

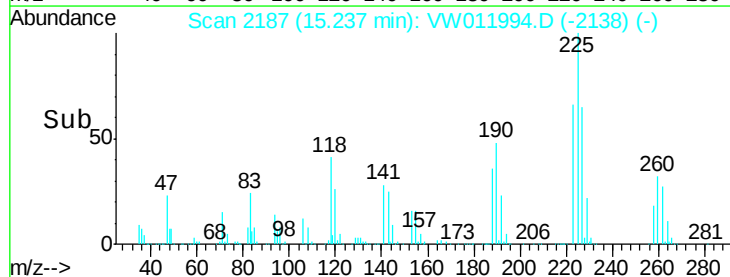
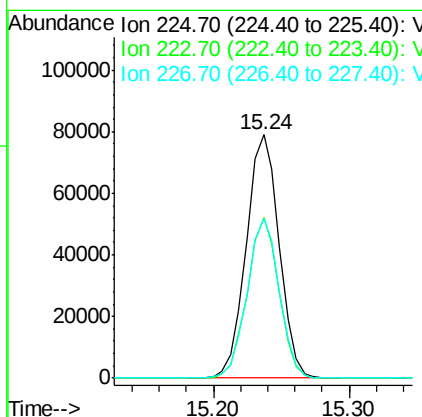
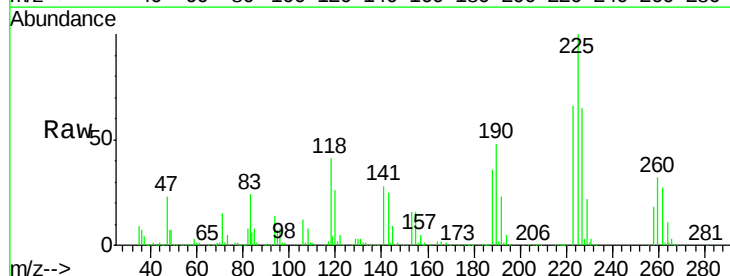
Manual Integrations
 APPROVED

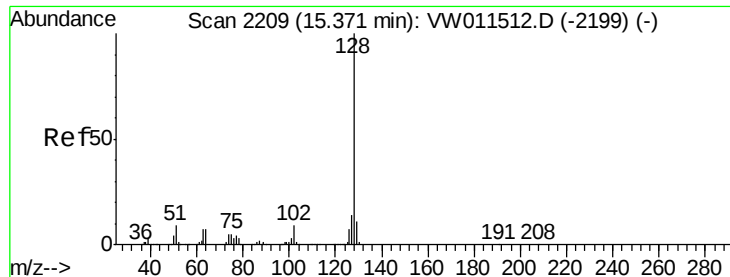
MMDadoda
 8/20/2019 9:56:12 AM



#94
 Hexachlorobutadiene
 Concen: 62.471 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133706		
223	63.6	30.8	92.3	
227	64.0	31.6	94.7	





#95

Naphthalene

Concen: 56.111 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

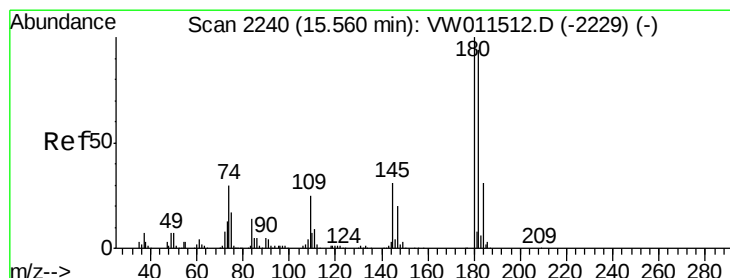
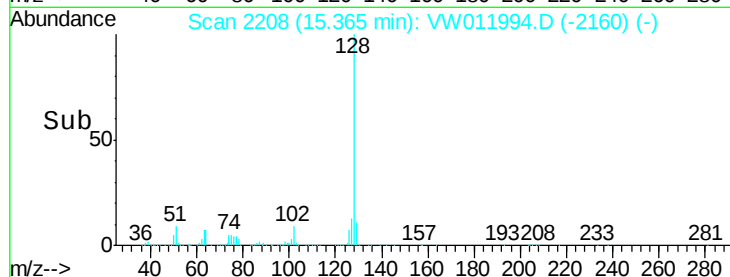
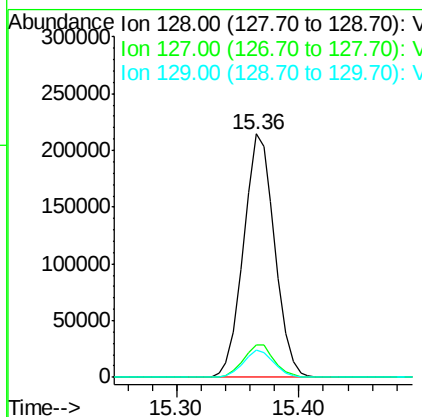
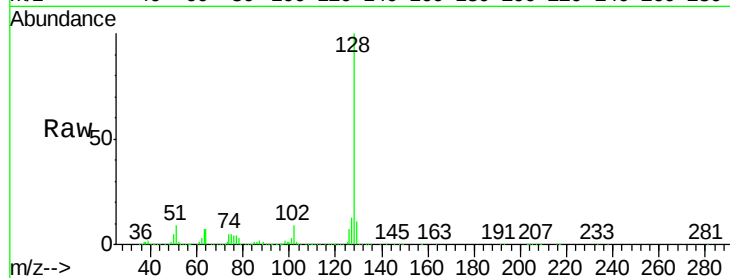
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	378995
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:56:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 60.084 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion:	180	Resp:	180756
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.4	142.2
145	32.3	15.9	47.7

