

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011158.D
 Acq On : 08 Jul 2019 12:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 7/9/2019 4:12:52 PM

Quant Time: Jul 09 06:00:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	138847	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.88	113	109522	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	10.32	98	450863	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	163132	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	82503	49.239	ug/l	100
3) Chloromethane	2.21	50	104304	48.309	ug/l	100
4) Vinyl Chloride	2.36	62	143673	50.841	ug/l	100
5) Bromomethane	2.77	94	72595	51.123	ug/l	100
6) Chloroethane	2.92	64	79693	52.357	ug/l	100
7) Trichlorofluoromethane	3.25	101	51657	51.456	ug/l	100
8) Diethyl Ether	3.68	74	70823	50.986	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124025	51.577	ug/l	100
10) Methyl Iodide	4.27	142	173885	52.576	ug/l	100
11) Tert butyl alcohol	5.17	59	51664	247.187	ug/l	100
12) 1,1-Dichloroethene	4.04	96	128370	51.434	ug/l	100
13) Acrolein	3.89	56	42325	254.309	ug/l	100
14) Allyl chloride	4.66	41	241655	53.096	ug/l	100
15) Acrylonitrile	5.36	53	179829	254.199	ug/l	100
16) Acetone	4.12	43	172819	254.425	ug/l	100
17) Carbon Disulfide	4.38	76	396978	52.465	ug/l	100
18) Methyl Acetate	4.67	43	87273	41.085	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	196563	51.905	ug/l	100
20) Methylene Chloride	4.92	84	135537	50.581	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	134927	52.027	ug/l	100
22) Diisopropyl ether	6.31	45	510774	52.179	ug/l	100
23) Vinyl Acetate	6.25	43	1660637	274.120	ug/l	100
24) 1,1-Dichloroethane	6.21	63	265898	51.728	ug/l	100
25) 2-Butanone	7.16	43	269060	252.343	ug/l	100
26) 2,2-Dichloropropane	7.16	77	139133	52.071	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	144928	51.806	ug/l	100
28) Bromochloromethane	7.51	49	116555	49.868	ug/l	100
29) Tetrahydrofuran	7.52	42	175717	251.330	ug/l	100
30) Chloroform	7.67	83	240531	50.527	ug/l	100
31) Cyclohexane	7.95	56	271217	49.596	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	189668	52.377	ug/l	100
36) 1,1-Dichloropropene	8.08	75	204491	51.874	ug/l	100
37) Ethyl Acetate	7.25	43	119879	50.614	ug/l	100
38) Carbon Tetrachloride	8.07	117	174161	52.116	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	254771	53.322	ug/l	100
40) Benzene	8.32	78	567134	52.057	ug/l	100
41) Methacrylonitrile	7.48	41	65417	48.291	ug/l	100
42) 1,2-Dichloroethane	8.40	62	180632	51.111	ug/l	100
43) Isopropyl Acetate	8.42	43	229303	51.279	ug/l	100
44) Trichloroethene	9.09	130	134640	51.357	ug/l	100
45) 1,2-Dichloropropane	9.37	63	153112	51.899	ug/l	100
46) Dibromomethane	9.46	93	70971	51.212	ug/l	100
47) Bromodichloromethane	9.64	83	184302	51.976	ug/l	100
48) Methyl methacrylate	9.43	41	112124	52.118	ug/l	100
49) 1,4-Dioxane	9.45	88	23776	1027.834	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	594500	254.505	ug/l	100
52) Toluene	10.38	92	347120	52.525	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	197448	52.312	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	232181	52.262	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	99901	50.813	ug/l	100
56) Ethyl methacrylate	10.65	69	154558	51.636	ug/l	100
57) 1,3-Dichloropropane	10.93	76	190739	51.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	343541	247.567	ug/l	100
59) 2-Hexanone	10.97	43	414728	256.012	ug/l	100
60) Dibromochloromethane	11.13	129	111921	51.914	ug/l	100
61) 1,2-Dibromoethane	11.23	107	95213	51.127	ug/l	100
64) Tetrachloroethene	10.86	164	112627	51.228	ug/l	100
65) Chlorobenzene	11.66	112	343419	51.843	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121322	52.016	ug/l	100
67) Ethyl Benzene	11.73	91	670527	52.876	ug/l	100
68) m/p-Xylenes	11.84	106	484315	105.549	ug/l	100
69) o-Xylene	12.16	106	227302	52.558	ug/l	100
70) Styrene	12.18	104	396073	53.066	ug/l	100
71) Bromoform	12.35	173	63875	51.508	ug/l #	100
73) Isopropylbenzene	12.46	105	631146	53.066	ug/l	100
74) N-amyl acetate	12.27	43	213947	51.650	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	123685	50.732	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86602m	46.974	ug/l	
77) Bromobenzene	12.75	156	137130	51.376	ug/l	100
78) n-propylbenzene	12.80	91	775047	52.900	ug/l	100
79) 2-Chlorotoluene	12.90	91	440426	52.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	533956	52.845	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41816	51.440	ug/l	100
82) 4-Chlorotoluene	12.99	91	455086	51.824	ug/l	100
83) tert-Butylbenzene	13.21	119	446098	52.938	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	532647	52.499	ug/l	100
85) sec-Butylbenzene	13.38	105	646551	53.173	ug/l	100
86) p-Isopropyltoluene	13.50	119	581777	53.344	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	265339	51.669	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	268220	51.868	ug/l	100
89) n-Butylbenzene	13.82	91	586639	53.921	ug/l	100
90) Hexachloroethane	14.10	117	105191	52.782	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	240958	51.720	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21809	50.432	ug/l	100

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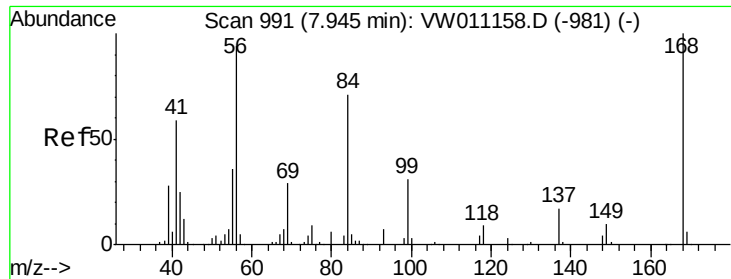
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	170920	53.264	ug/l	100
94) Hexachlorobutadiene	15.24	225	105970	53.790	ug/l	100
95) Naphthalene	15.37	128	339559	55.220	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154545	54.570	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 224667

Ion Ratio Lower Upper

168 100

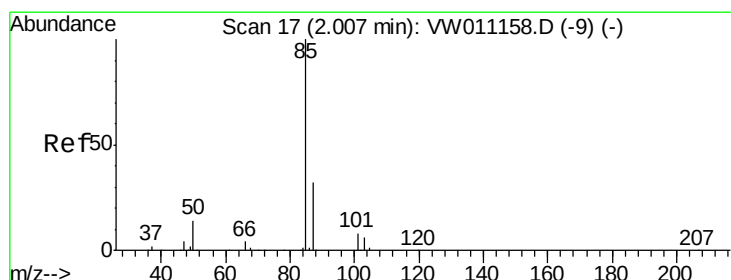
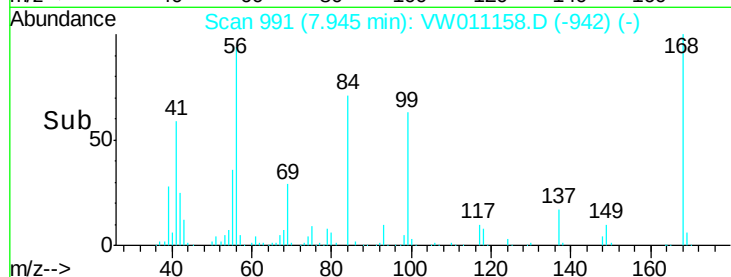
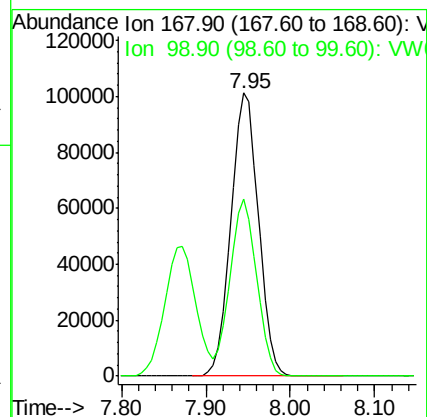
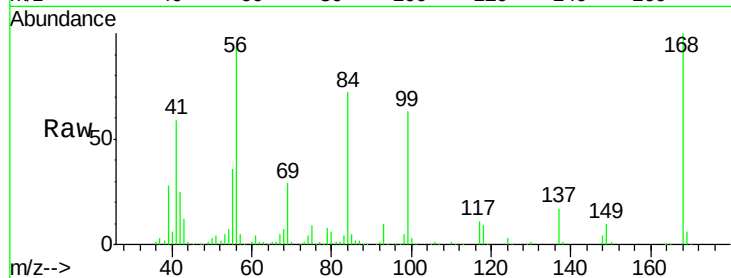
99 62.6 50.1 75.1

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#2

Dichlorodifluoromethane

Concen: 49.239 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011158.D

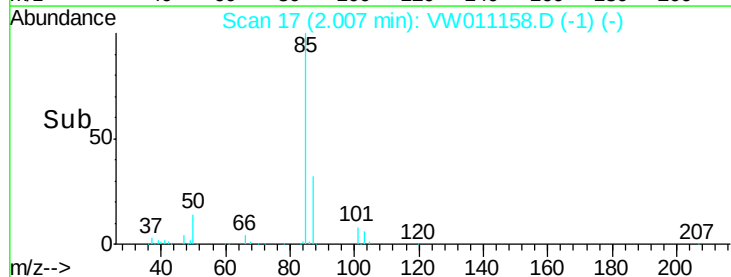
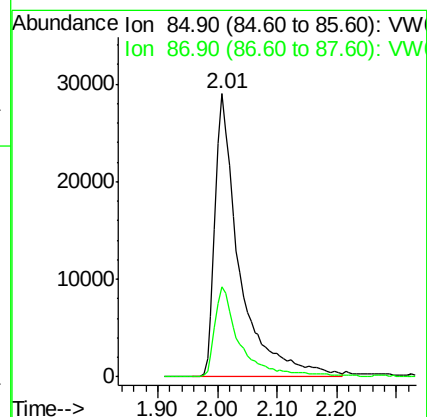
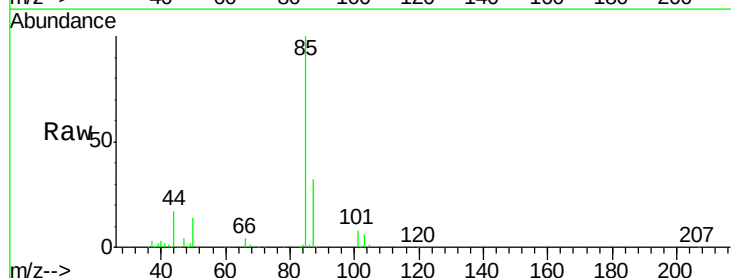
Acq: 08 Jul 2019 12:01

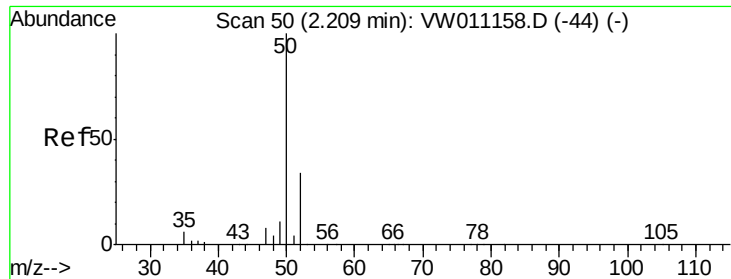
Tgt Ion: 85 Resp: 82503

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6





#3

Chloromethane

Concen: 48.309 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 104304

Ion Ratio Lower Upper

50 100

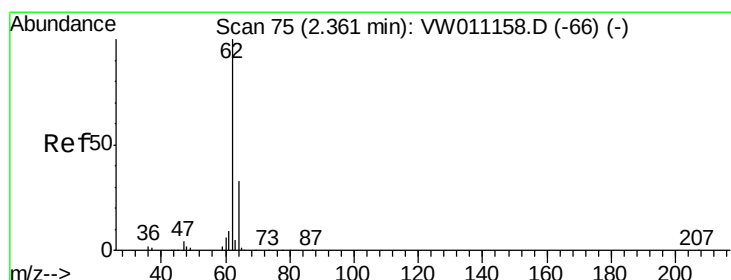
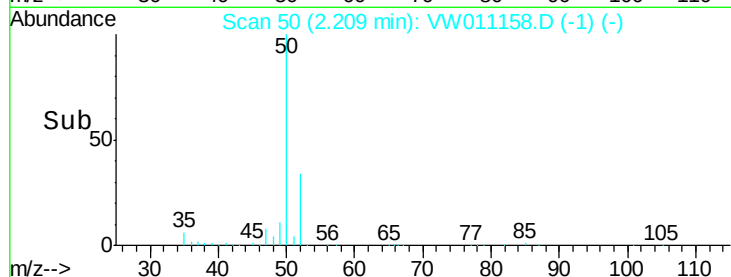
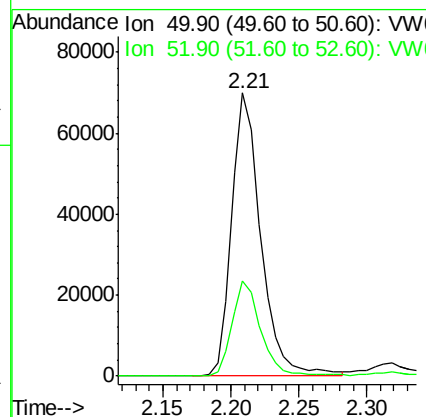
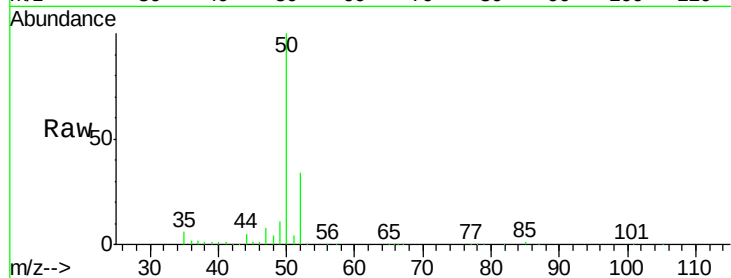
52 33.6 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.841 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011158.D

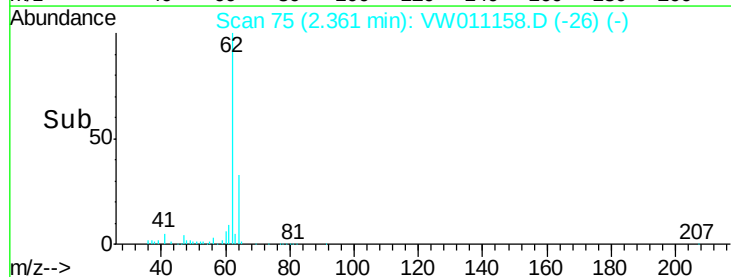
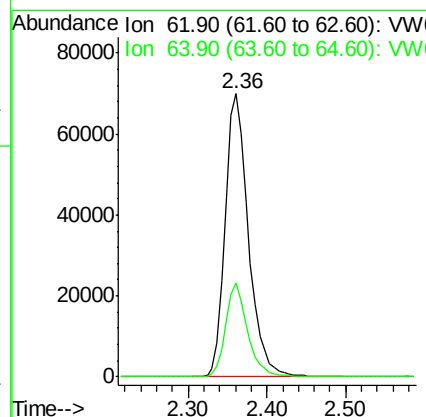
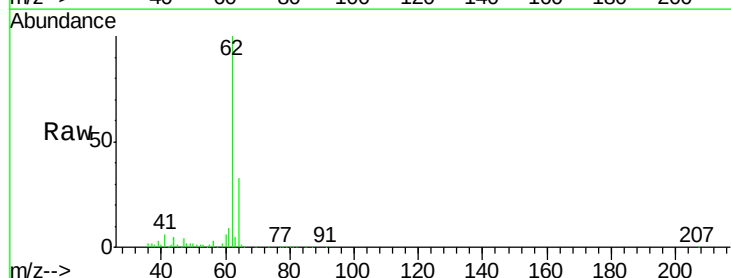
Acq: 08 Jul 2019 12:01

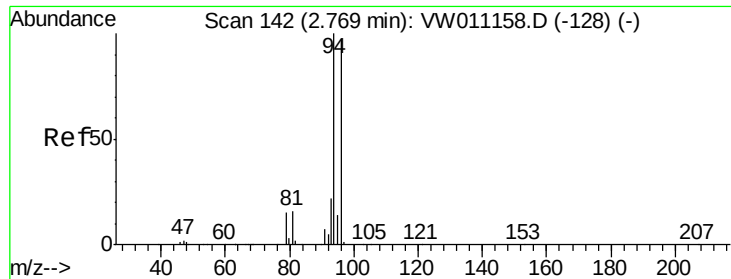
Tgt Ion: 62 Resp: 143673

Ion Ratio Lower Upper

62 100

64 33.3 26.6 40.0





#5

Bromomethane

Concen: 51.123 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 72595

Ion Ratio Lower Upper

94 100

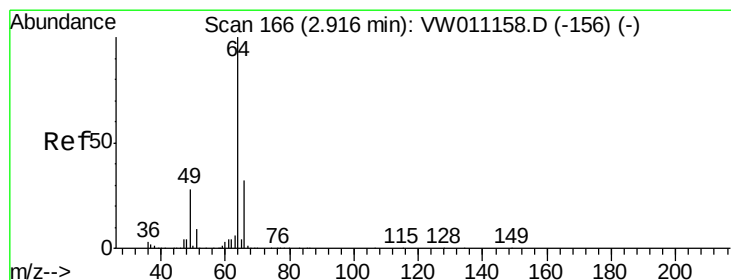
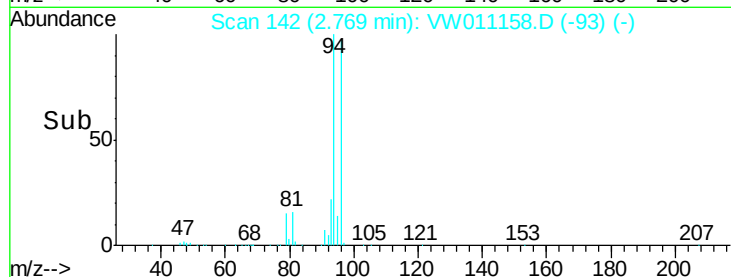
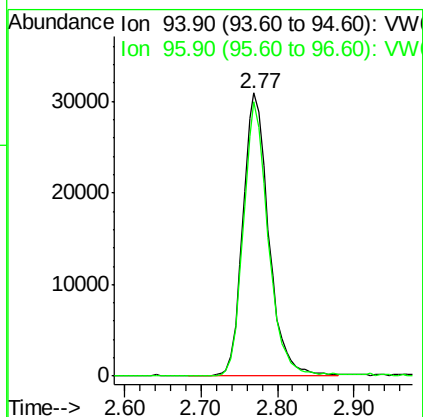
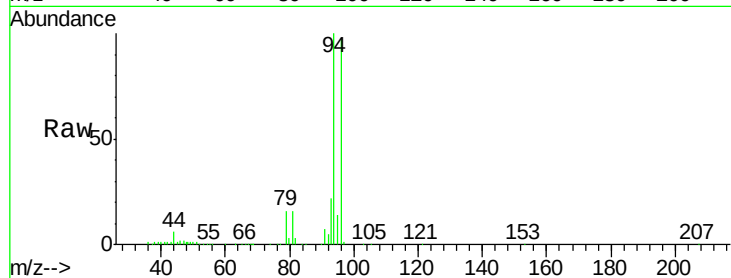
96 96.7 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 52.357 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011158.D

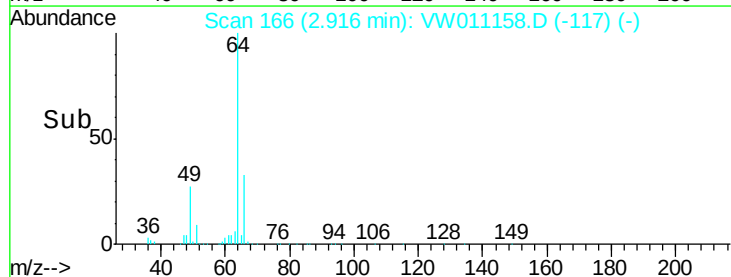
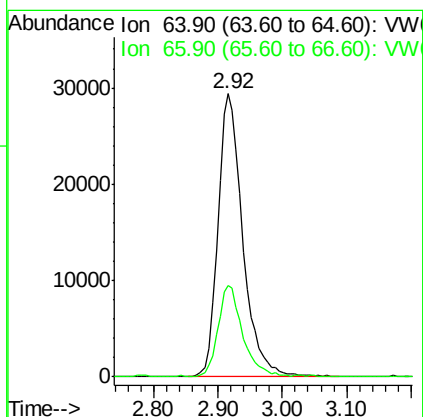
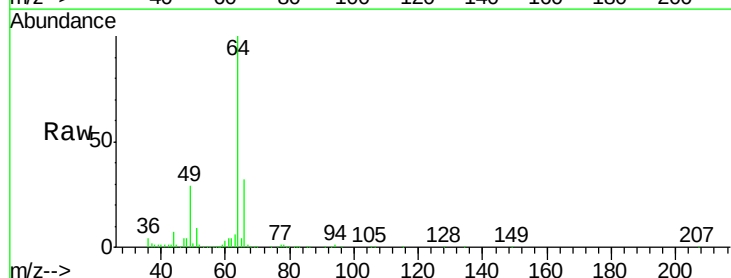
Acq: 08 Jul 2019 12:01

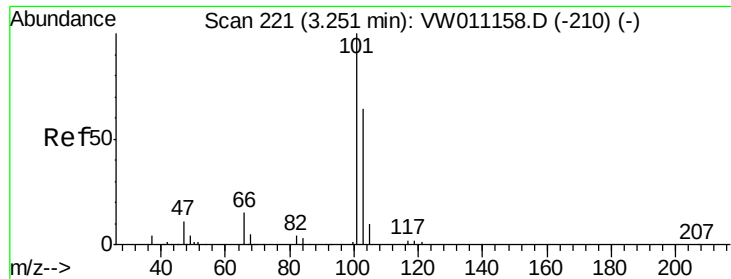
Tgt Ion: 64 Resp: 79693

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8





#7

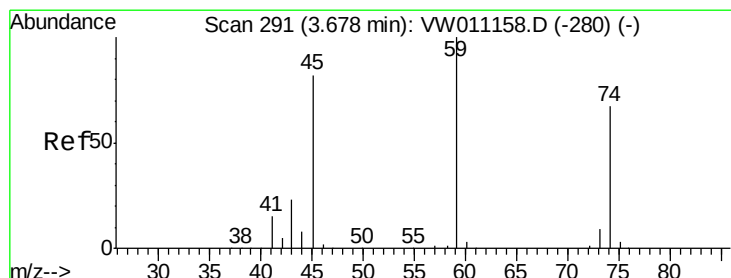
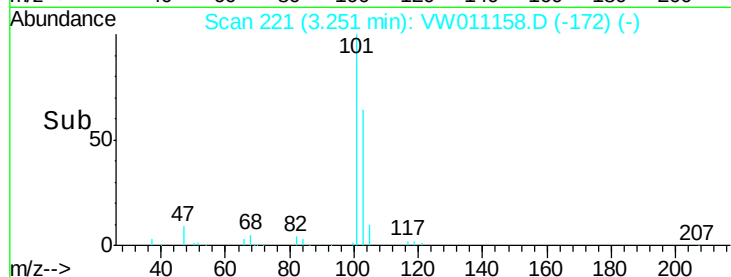
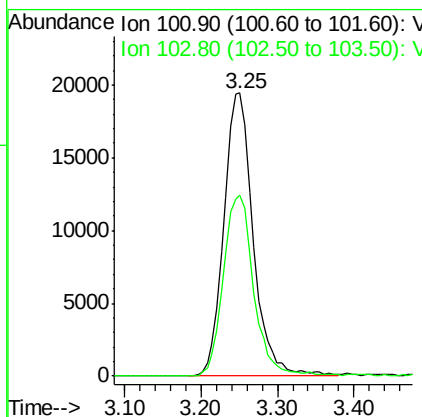
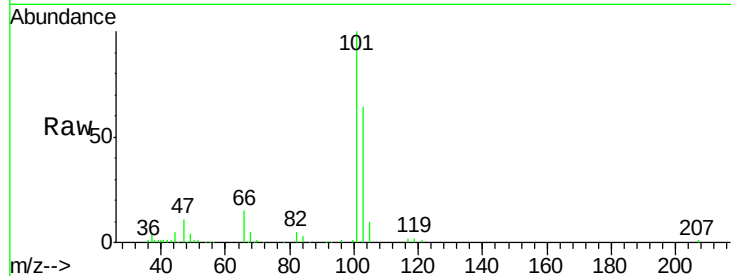
Trichlorofluoromethane
Concen: 51.456 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

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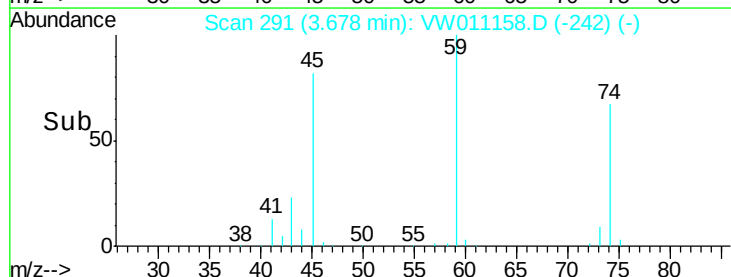
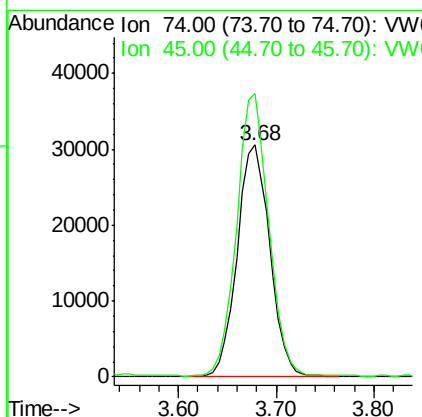
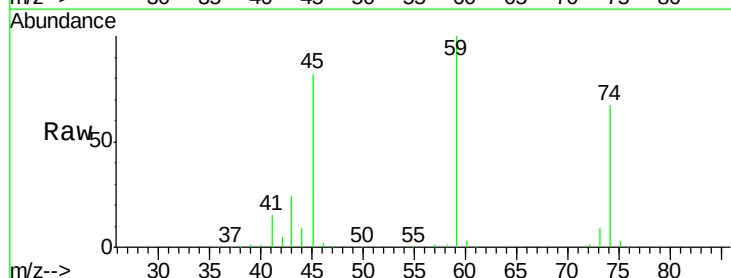
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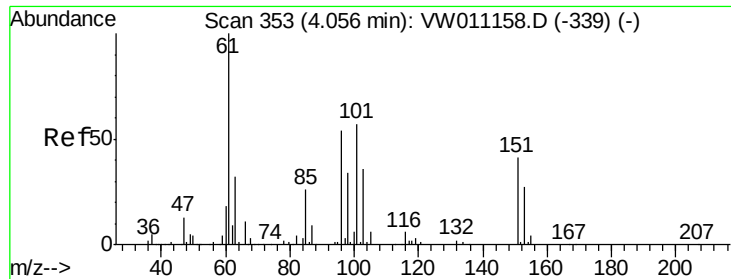


#8

Diethyl Ether
Concen: 50.986 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.8	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.577 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

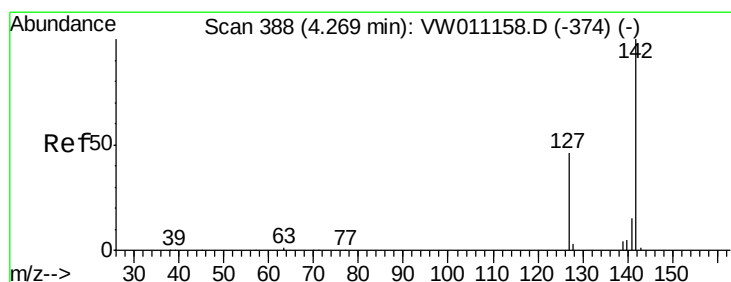
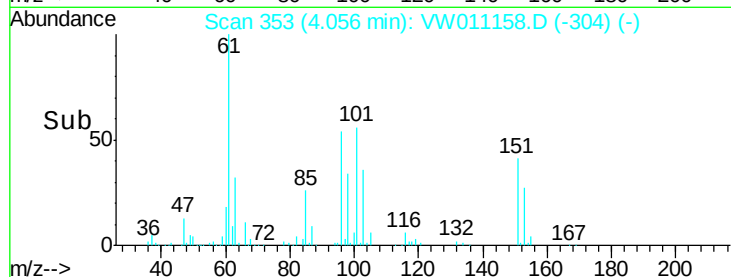
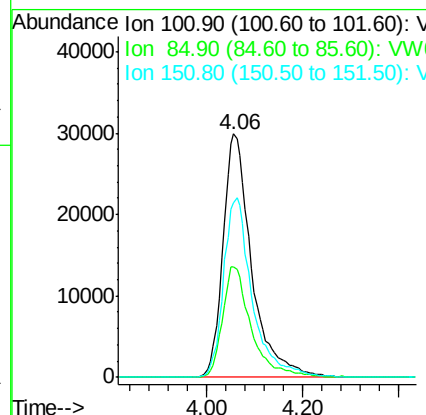
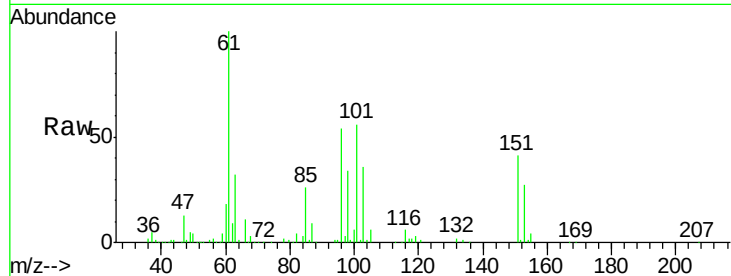
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	124025
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.5	54.7
151	73.9	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 52.576 ug/l

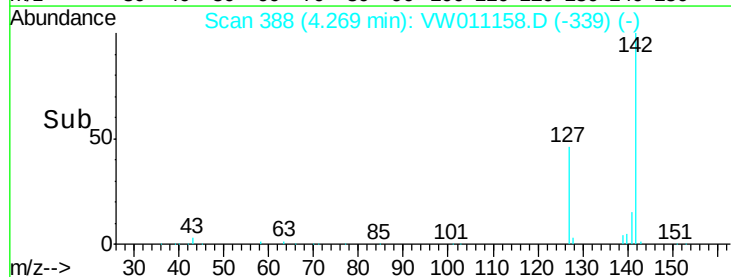
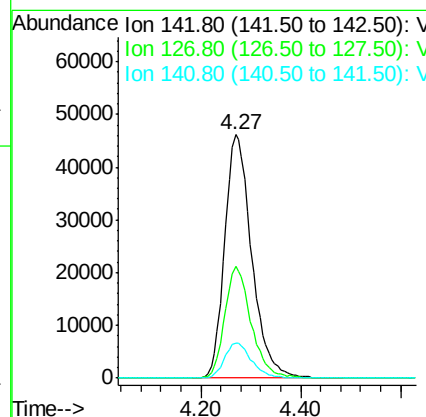
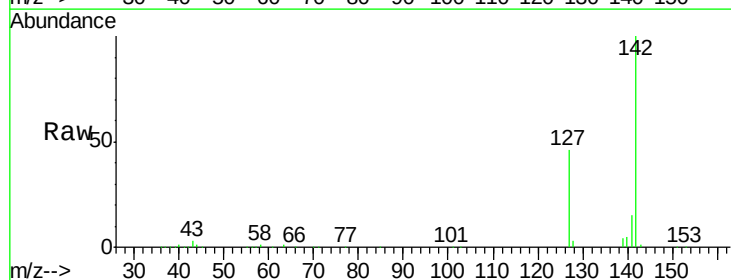
RT: 4.27 min Scan# 388

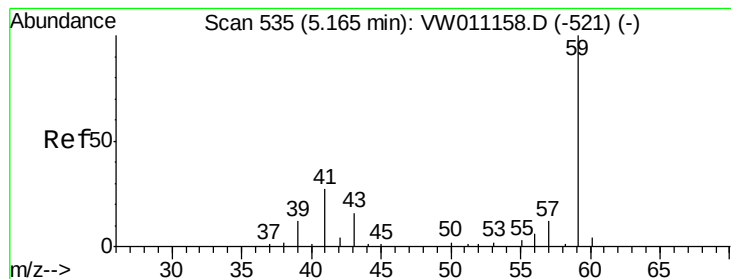
Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Tgt Ion:	142	Resp:	173885
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.7	53.5
141	14.4	11.5	17.3





#11

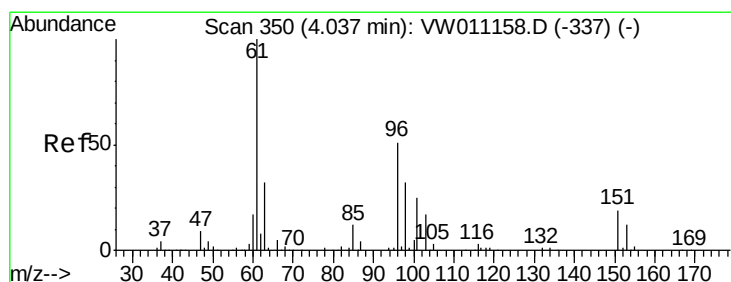
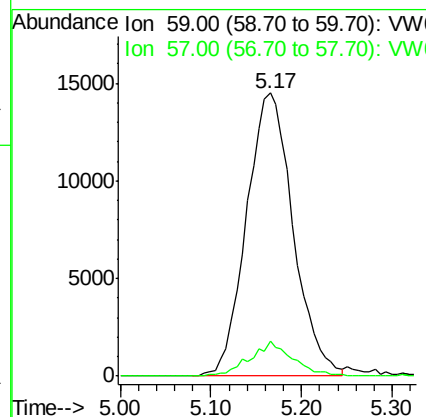
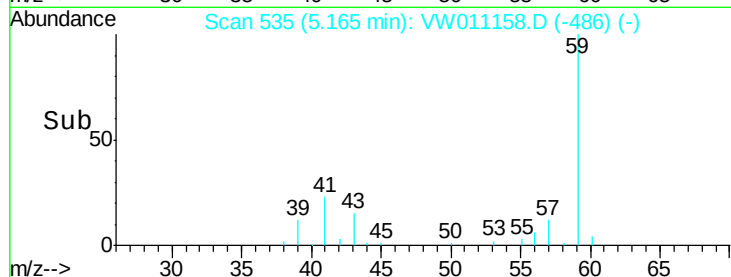
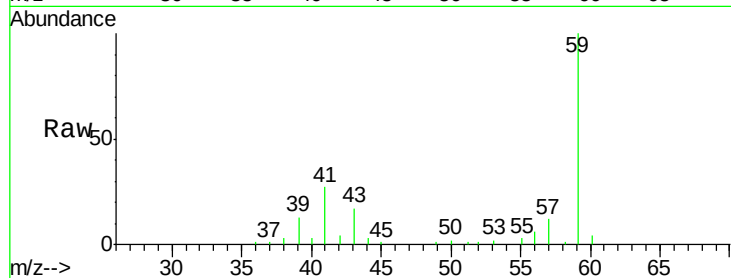
Tert butyl alcohol
 Concen: 247.187 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	59.00 (58.70 to 59.70): VW	Resp	51664
Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.6

Manual Integrations
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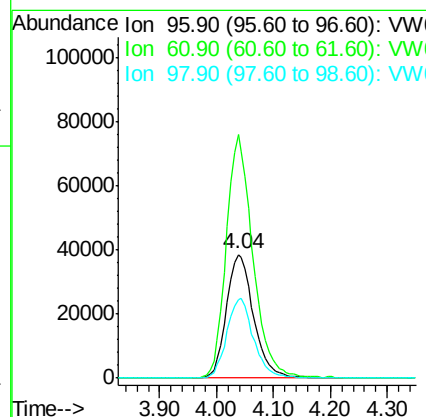
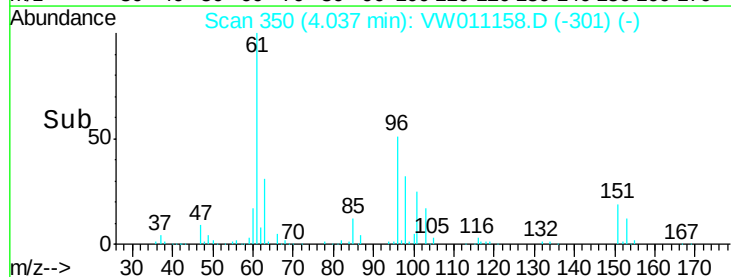
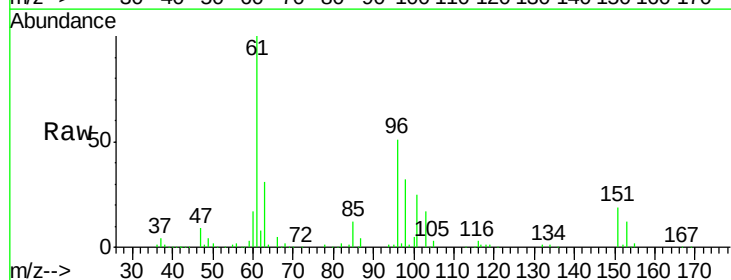
MMDadoda
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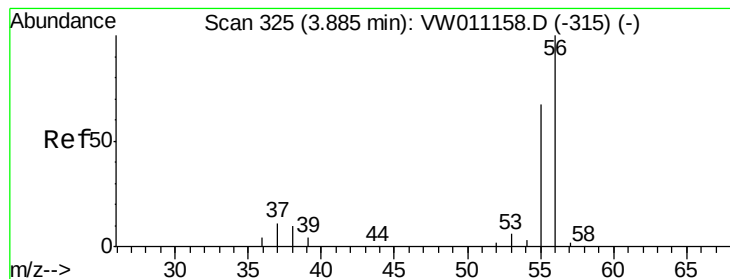


#12

1,1-Dichloroethene
 Concen: 51.434 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	96	Resp	128370
Ion	Ratio	Lower	Upper
96	100		
61	197.1	157.7	236.5
98	63.6	50.9	76.3





#13

Acrolein

Concen: 254.309 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 42325

Ion Ratio Lower Upper

56 100

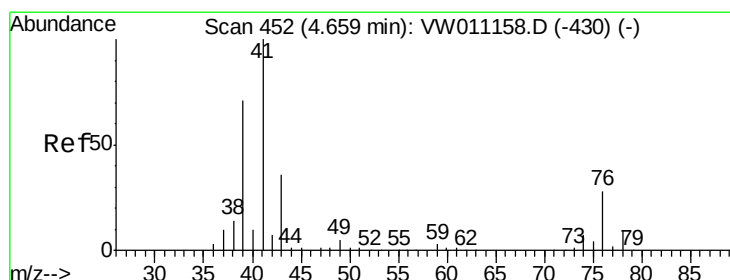
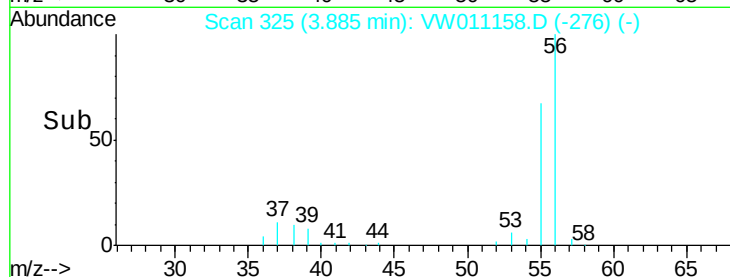
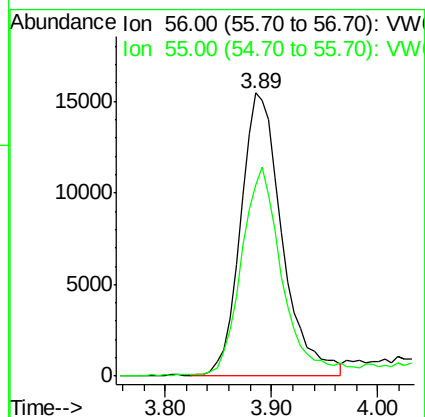
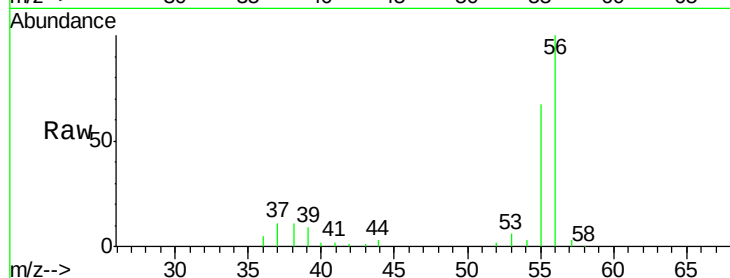
55 70.5 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 53.096 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

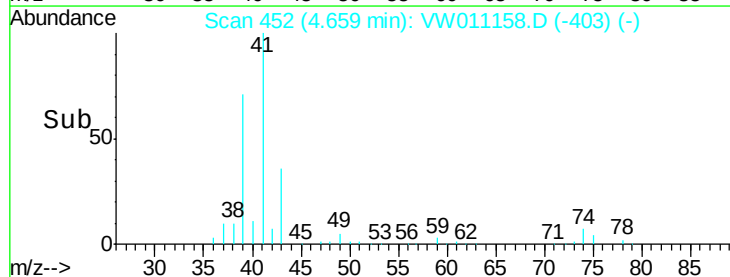
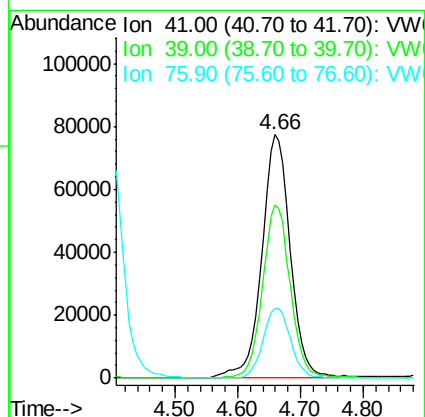
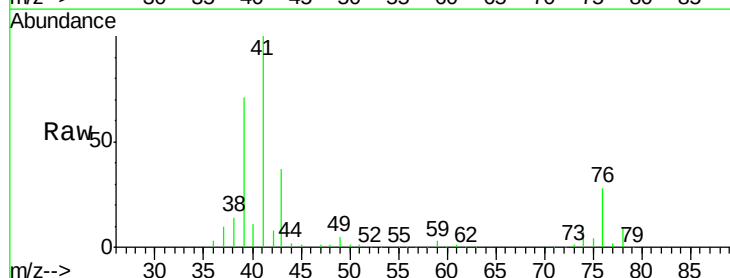
Tgt Ion: 41 Resp: 241655

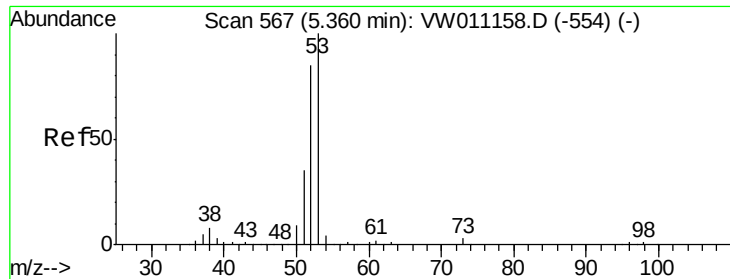
Ion Ratio Lower Upper

41 100

39 68.9 55.1 82.7

76 28.1 22.5 33.7





#15

Acrylonitrile

Concen: 254.199 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

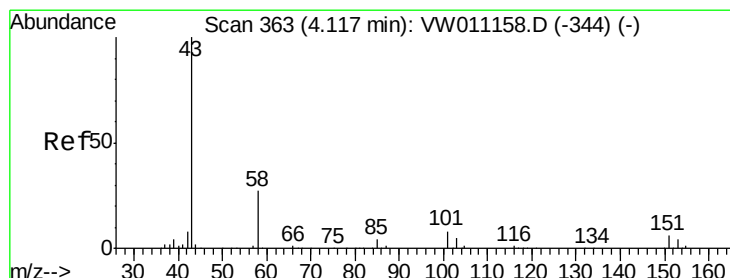
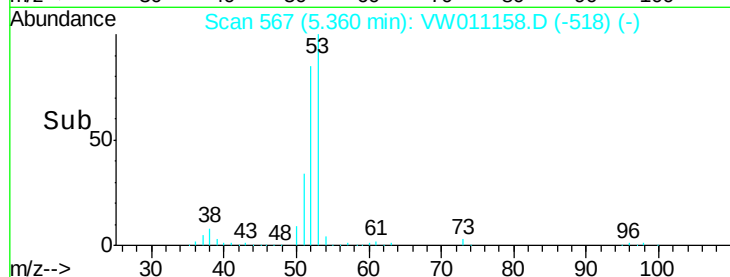
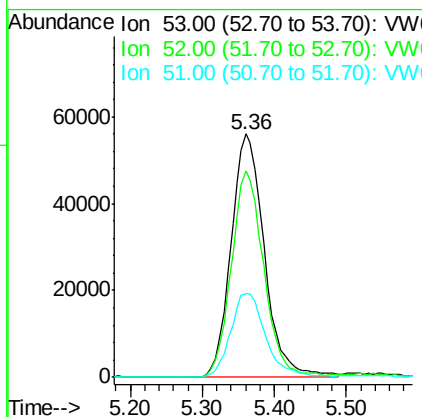
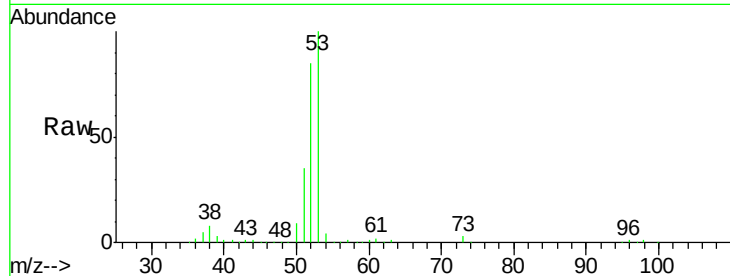
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	179829
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.4
51	36.4	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 254.425 ug/l

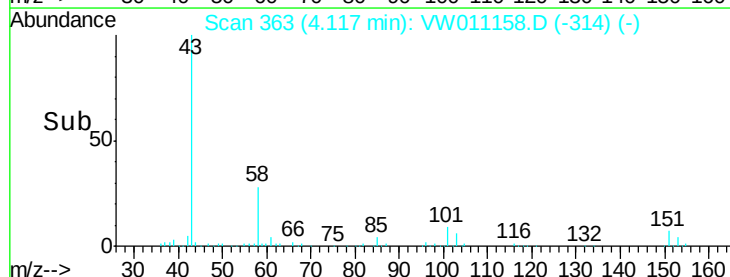
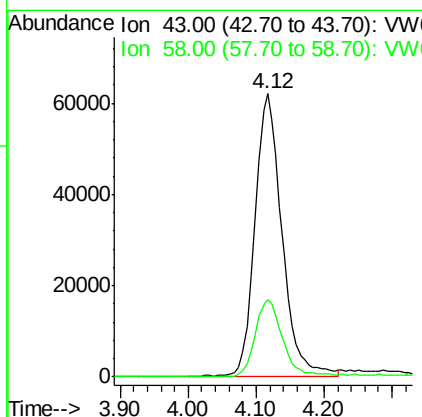
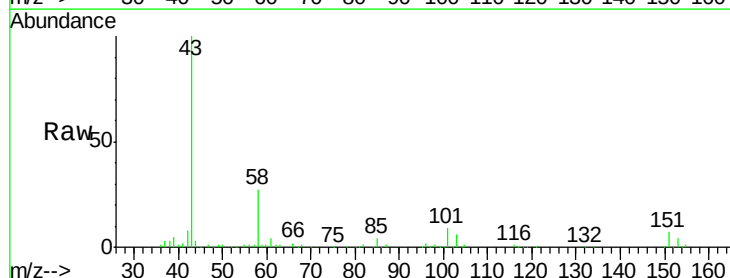
RT: 4.12 min Scan# 363

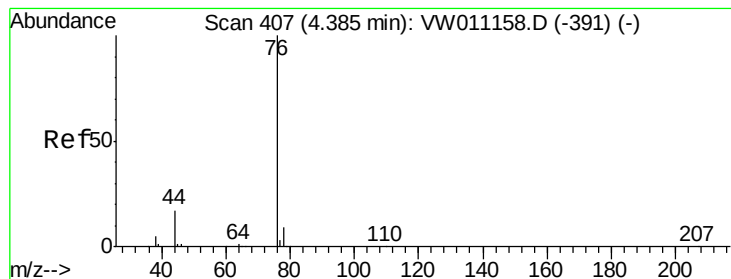
Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Tgt Ion:	43	Resp:	172819
Ion Ratio	Lower	Upper	
43	100		
58	27.2	21.8	32.6





#17

Carbon Disulfide

Concen: 52.465 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 396978

Ion Ratio Lower Upper

76 100

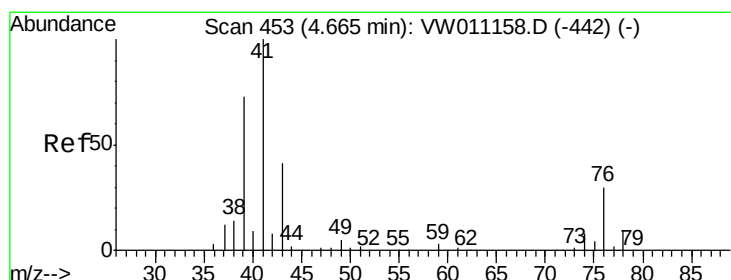
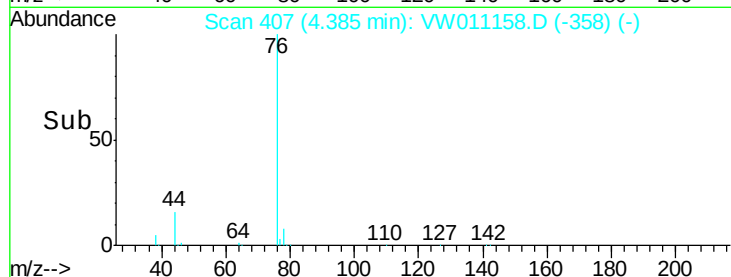
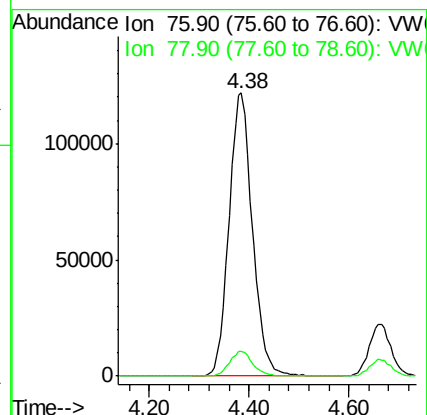
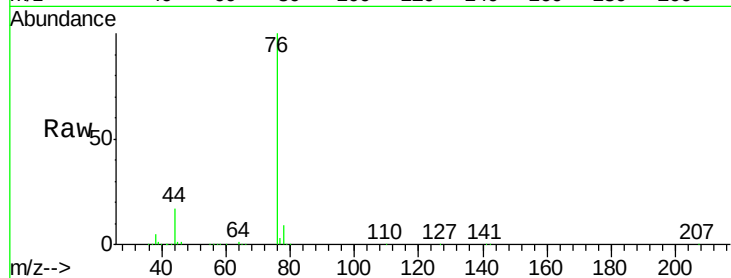
78 8.9 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 41.085 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011158.D

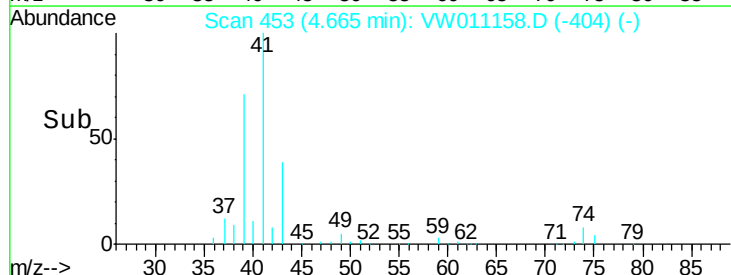
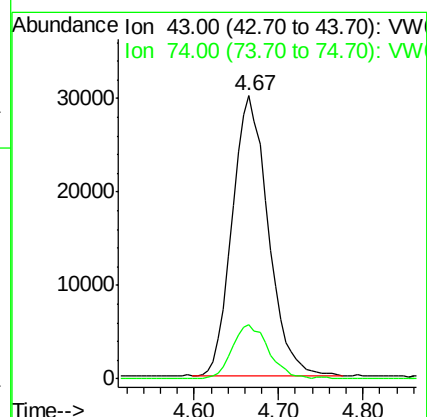
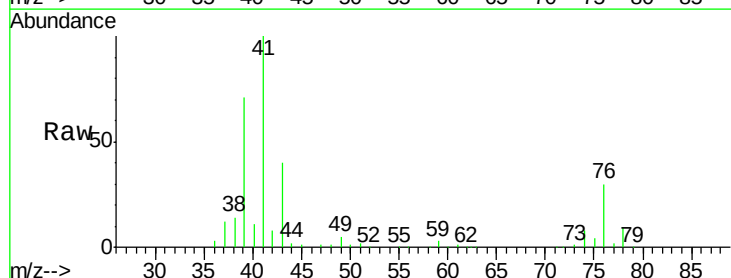
Acq: 08 Jul 2019 12:01

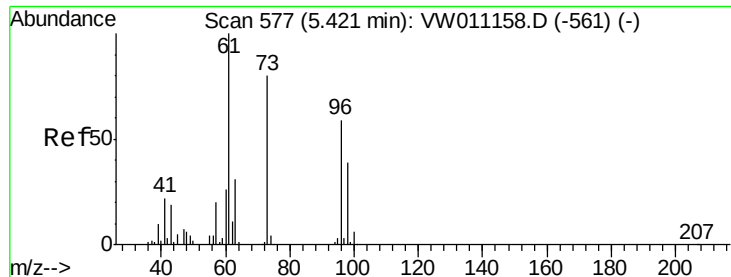
Tgt Ion: 43 Resp: 87273

Ion Ratio Lower Upper

43 100

74 19.6 15.7 23.5





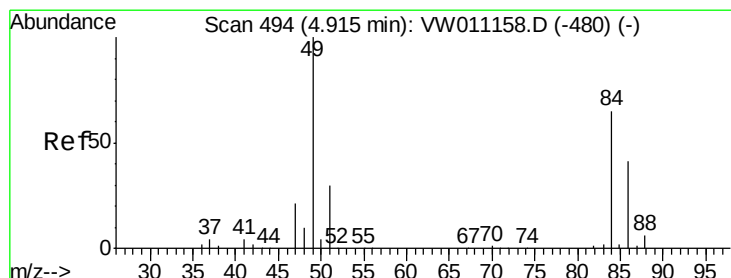
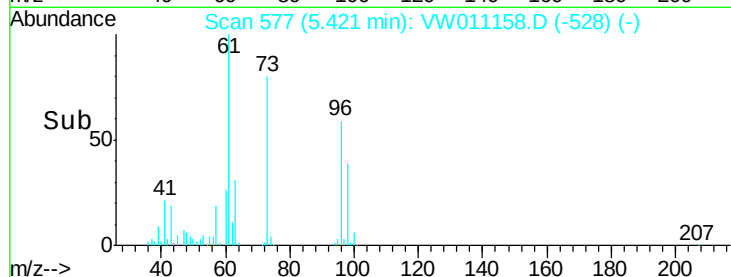
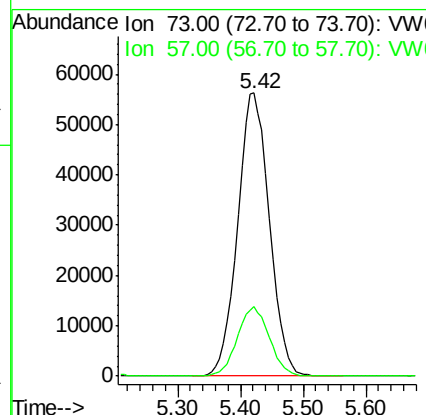
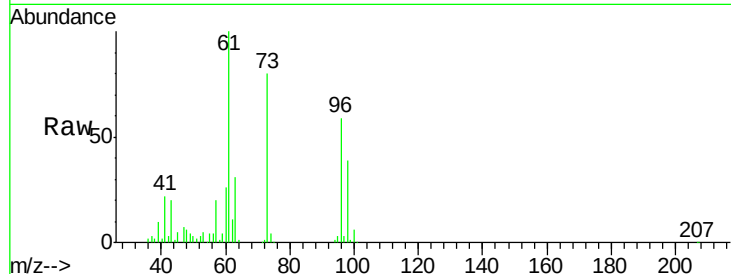
#19
Methyl tert-butyl Ether
Concen: 51.905 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 196563
Ion Ratio Lower Upper
73 100
57 24.6 19.7 29.5

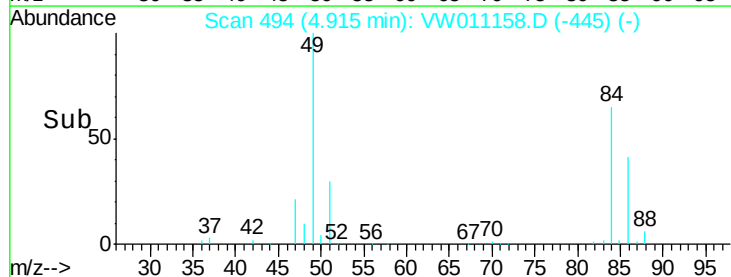
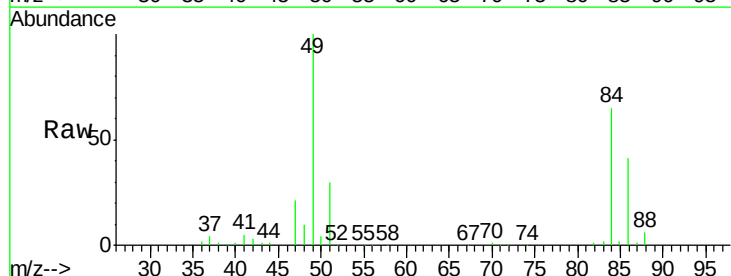
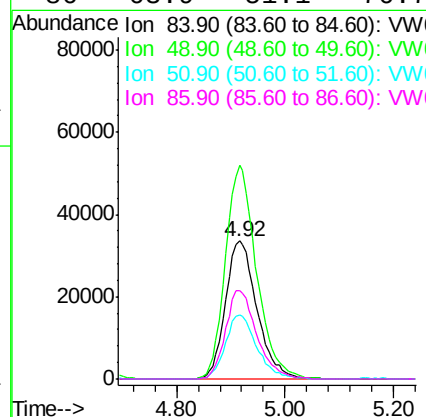
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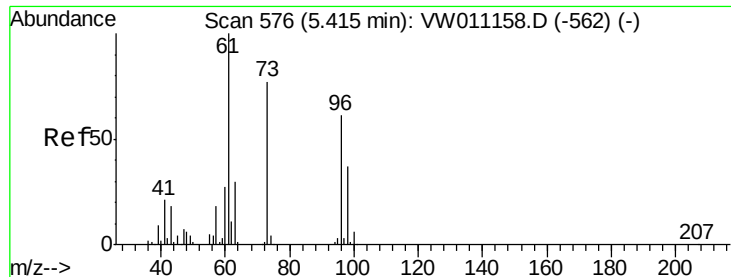
MMDadoda
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#20
Methylene Chloride
Concen: 50.581 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion: 84 Resp: 135537
Ion Ratio Lower Upper
84 100
49 154.7 123.8 185.6
51 46.8 37.4 56.2
86 63.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 52.027 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

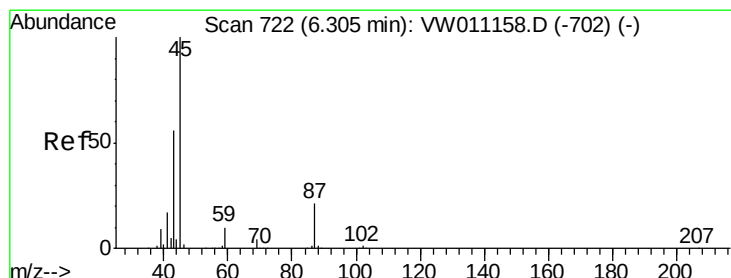
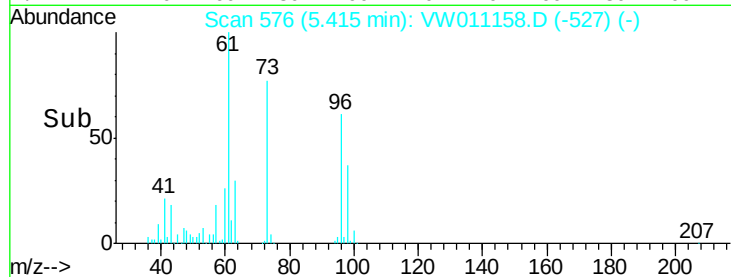
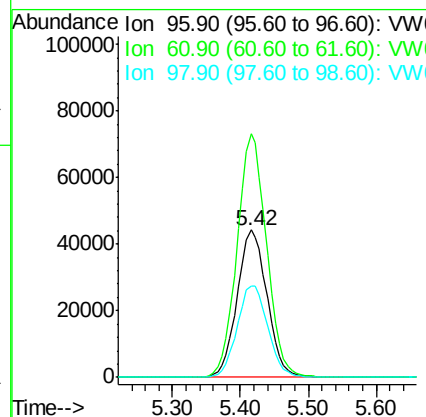
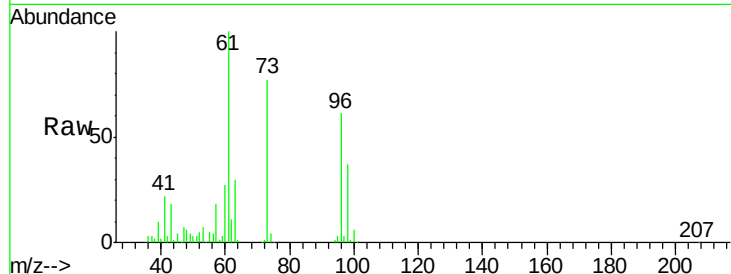
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	134927
Ion	Ratio	Lower	Upper
96	100		
61	165.2	132.2	198.2
98	61.7	49.4	74.0

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#22

Diisopropyl ether

Concen: 52.179 ug/l

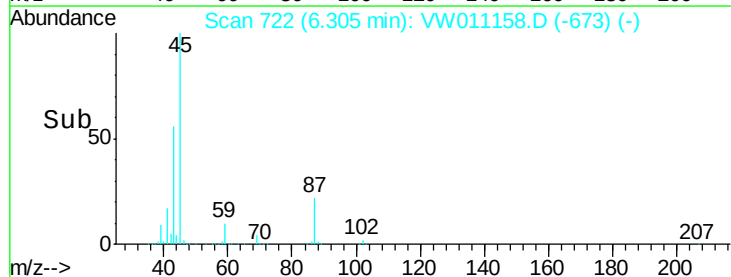
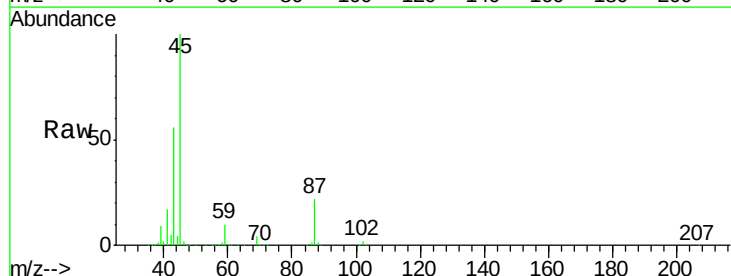
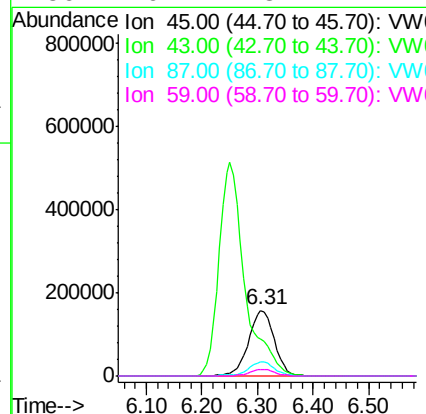
RT: 6.31 min Scan# 722

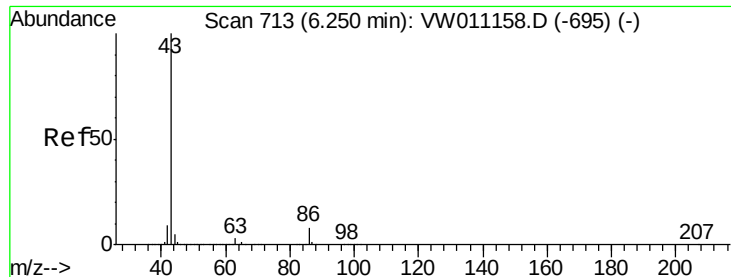
Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Tgt Ion:	45	Resp:	510774
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.6	66.8
87	21.6	17.3	25.9
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 274.120 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Tot Ion: 43 Resp: 1660637

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

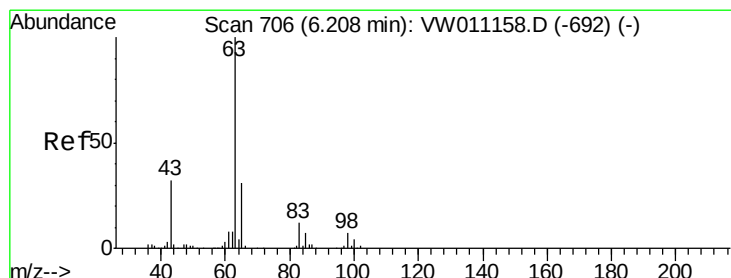
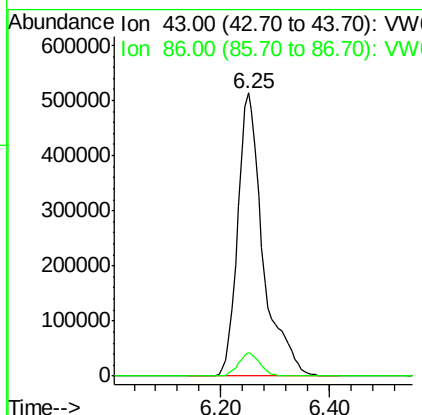
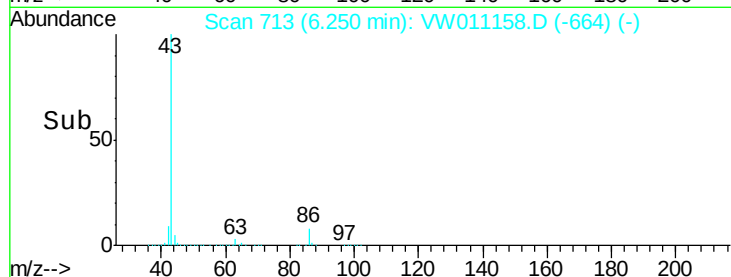
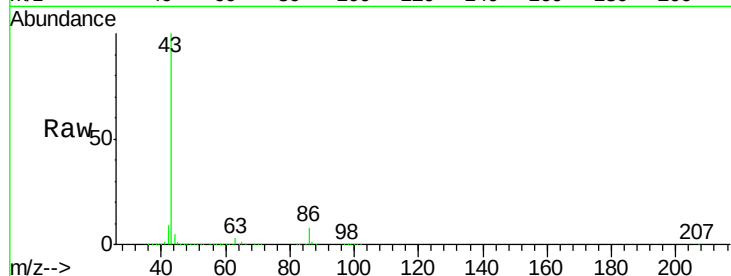
VSTDICCC050

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#24

1,1-Dichloroethane

Concen: 51.728 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

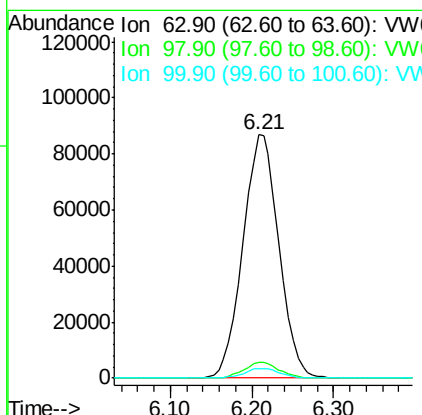
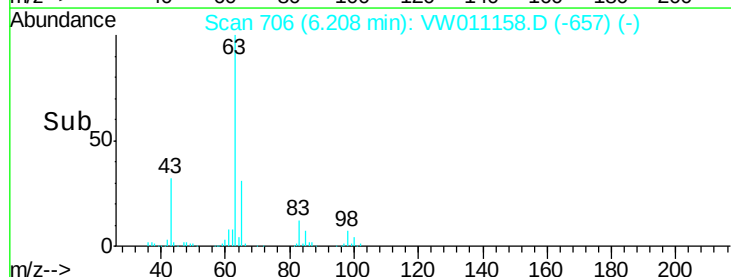
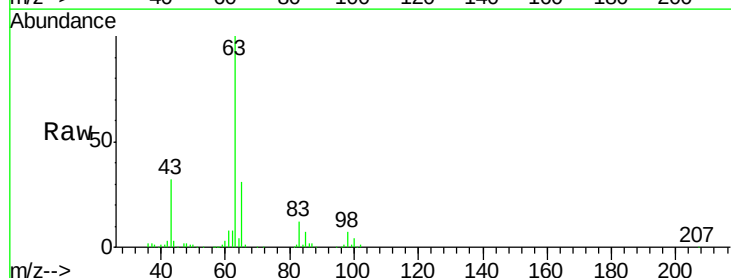
Tgt Ion: 63 Resp: 265898

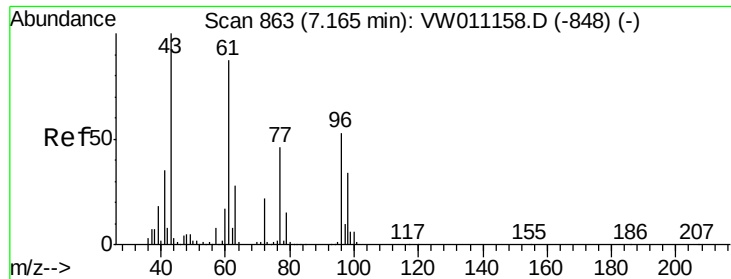
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 252.343 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 269060

Ion Ratio Lower Upper

43 100

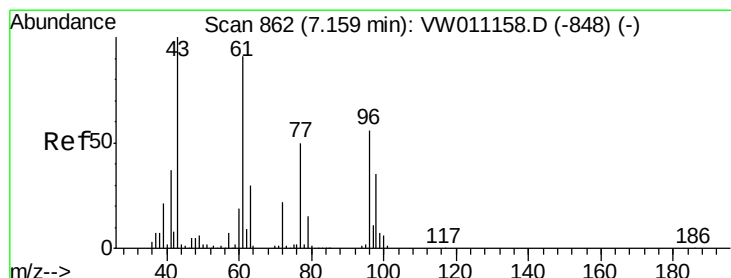
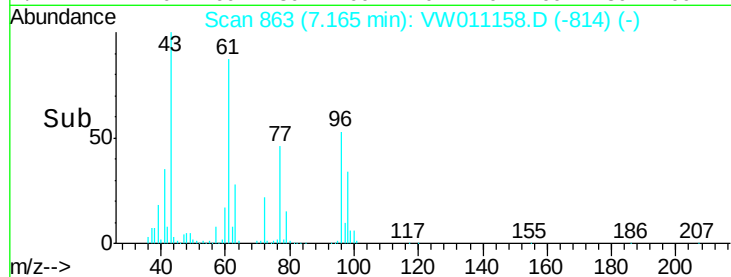
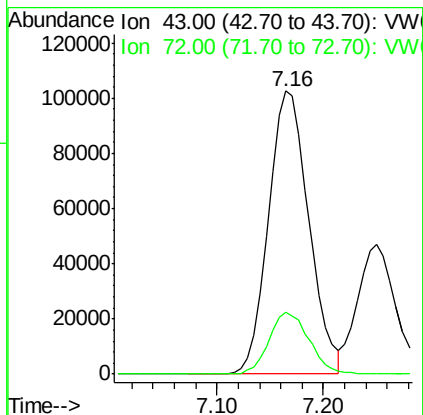
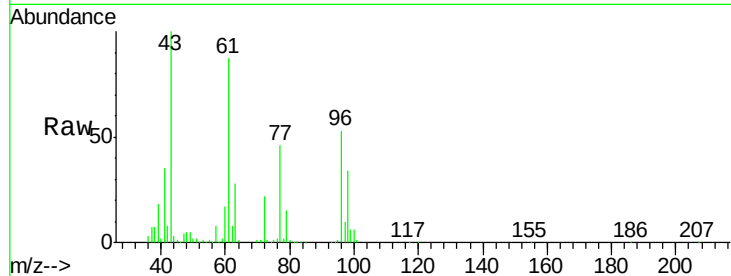
72 22.0 17.6 26.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.071 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011158.D

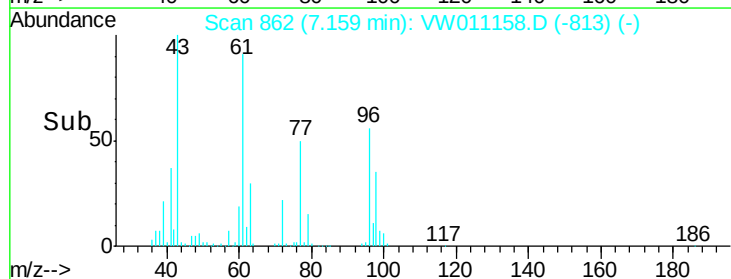
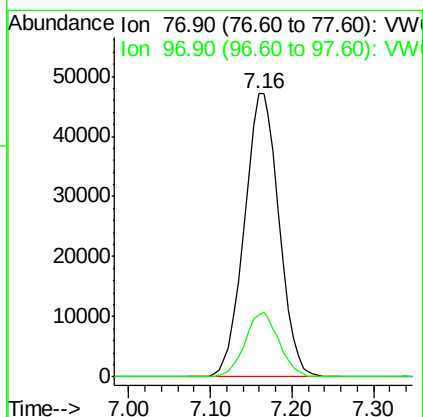
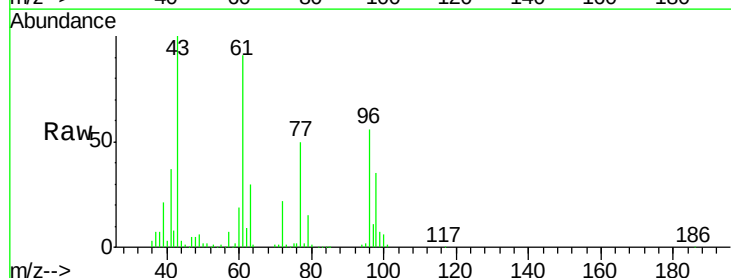
Acq: 08 Jul 2019 12:01

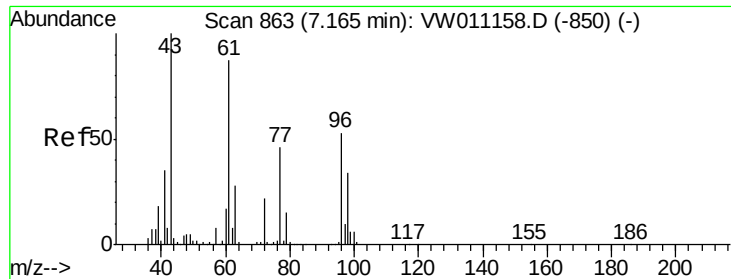
Tgt Ion: 77 Resp: 139133

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

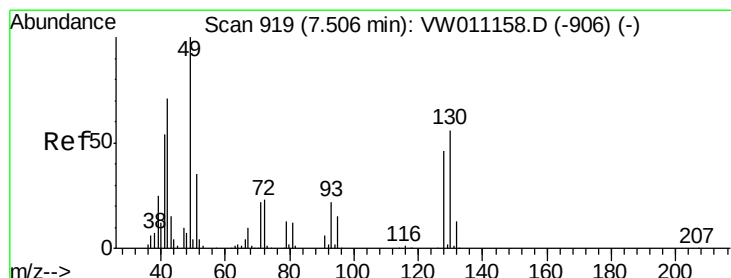
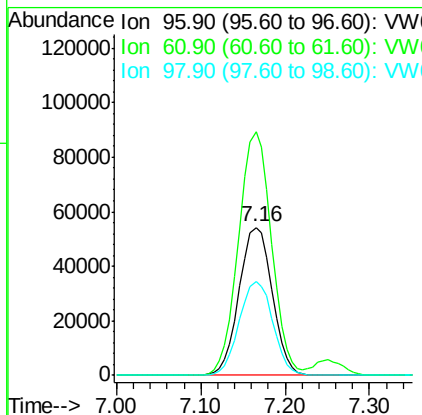
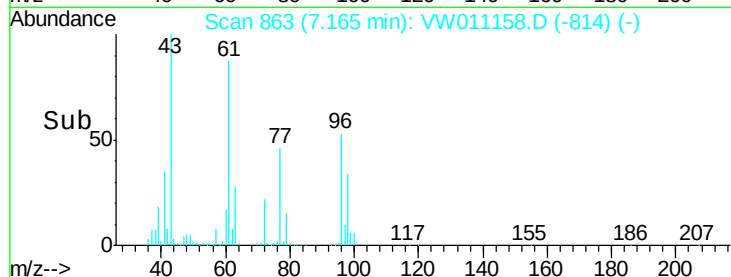
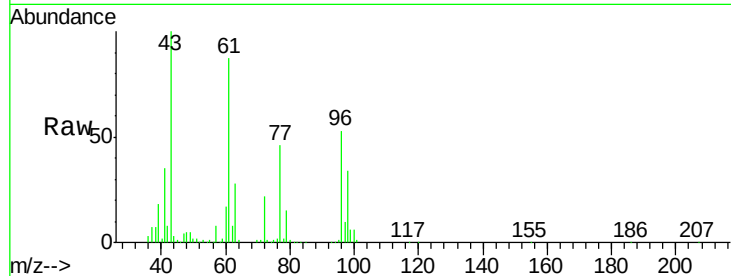
cis-1,2-Dichloroethene
 Concen: 51.806 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	325.6
98	64.1	0.0	128.2

Manual Integrations
 APPROVED

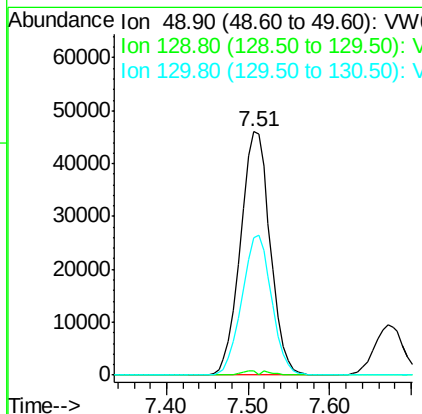
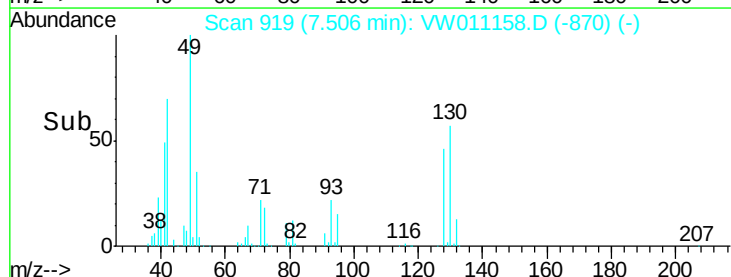
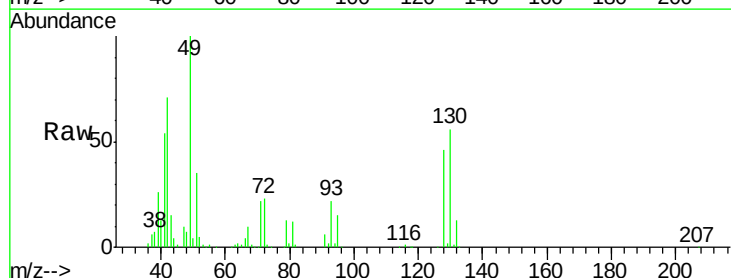
MMDadoda
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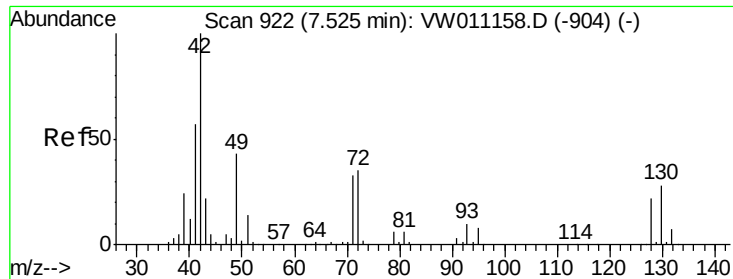


#28

Bromochloromethane
 Concen: 49.868 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.4
130	57.3	45.8	68.8





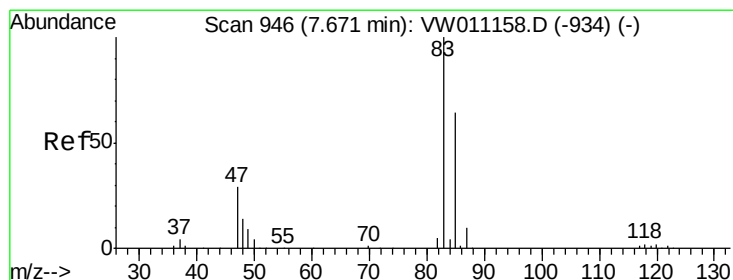
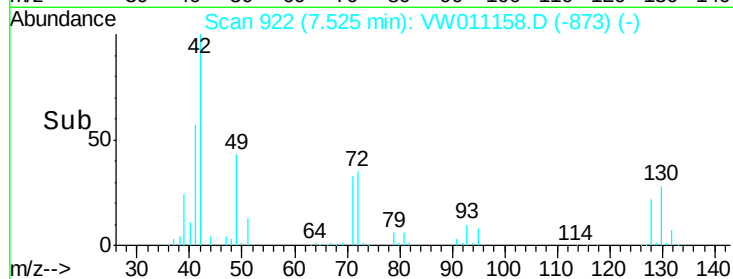
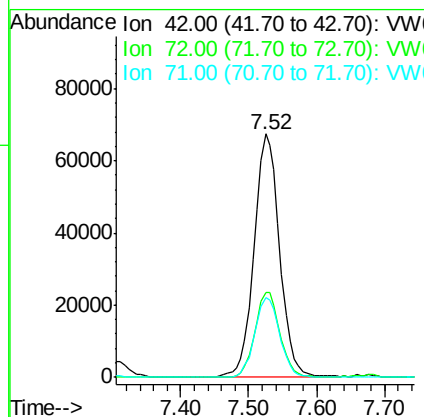
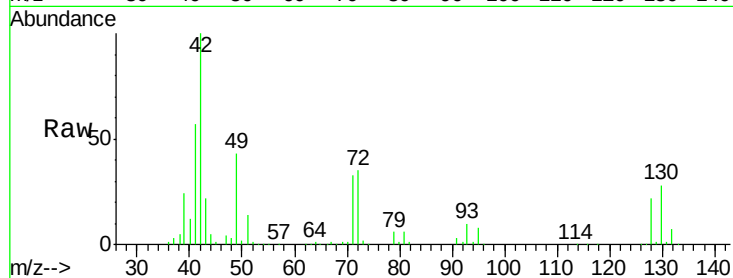
#29
Tetrahydrofuran
Concen: 251.330 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.4	41.2
71	32.4	25.9	38.9

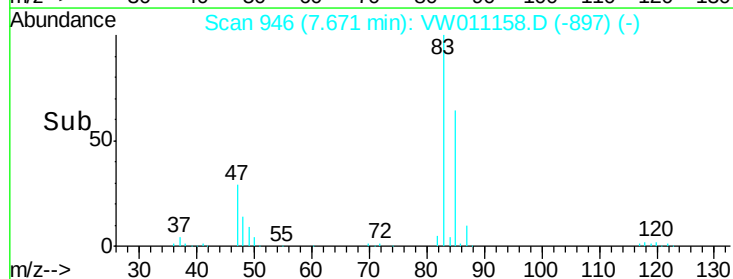
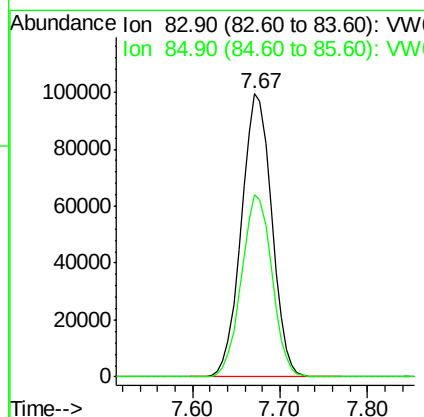
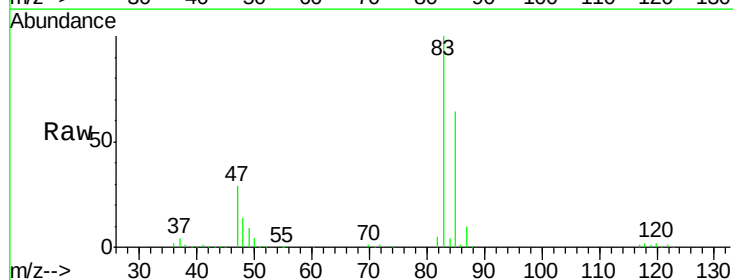
Manual Integrations
APPROVED

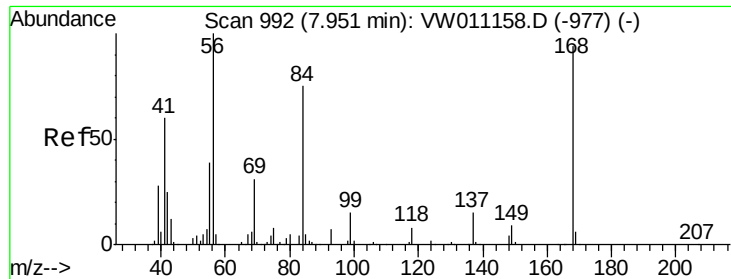
MMDadoda
7/9/2019 4:12:52 PM



#30
Chloroform
Concen: 50.527 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





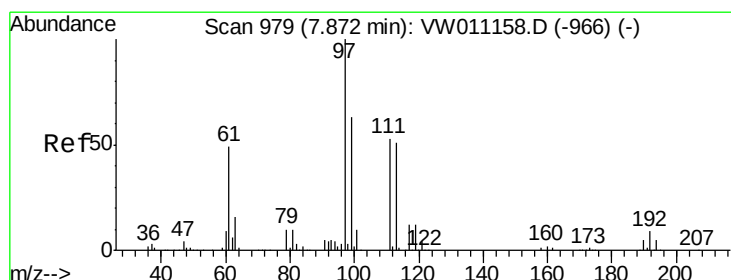
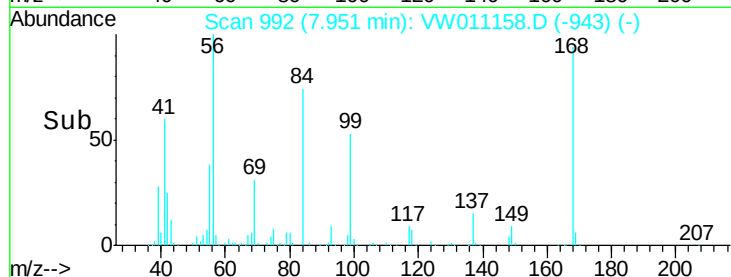
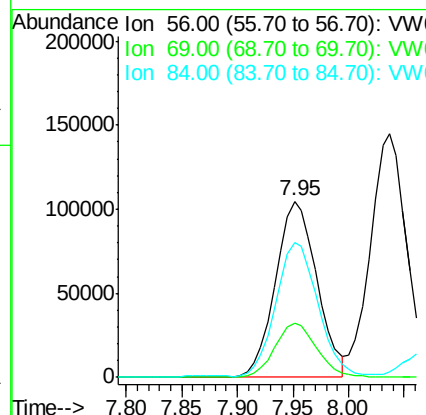
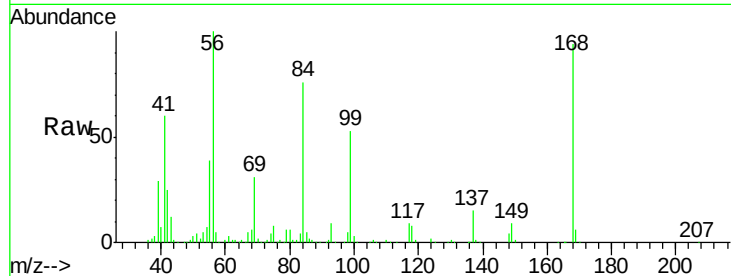
#31
Cvclohexane
Concen: 49.596 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	271217		
69	30.7		24.6	36.8
84	75.1		60.1	90.1

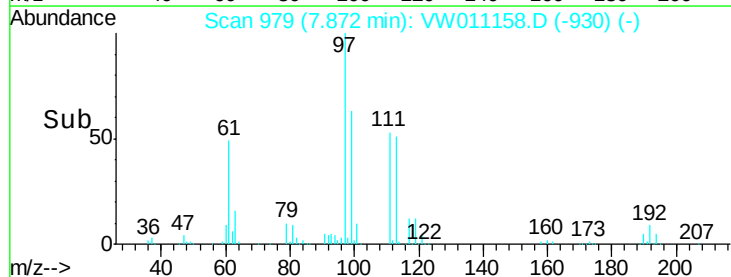
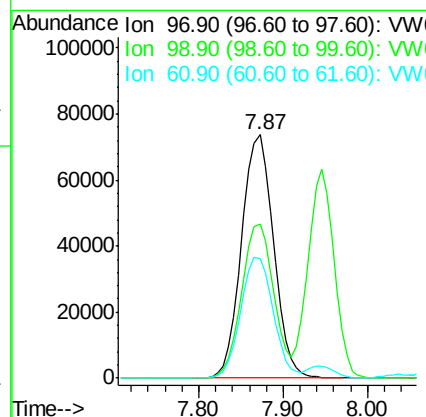
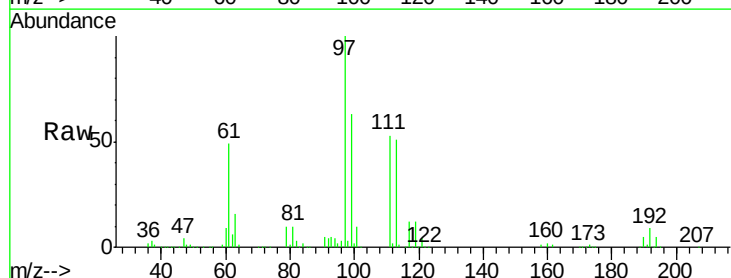
Manual Integrations
APPROVED

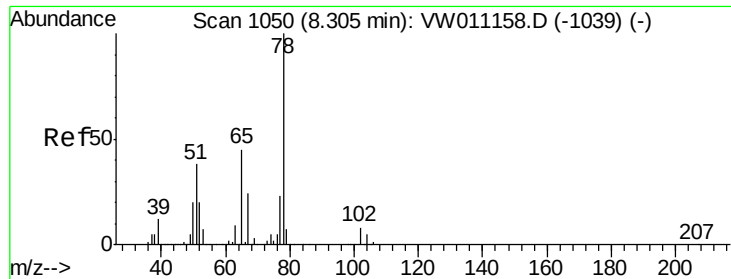
MMDadoda
7/9/2019 4:12:52 PM



#32
1,1,1-Trichloroethane
Concen: 52.377 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	189668		
99	63.7		51.0	76.4
61	50.5		40.4	60.6





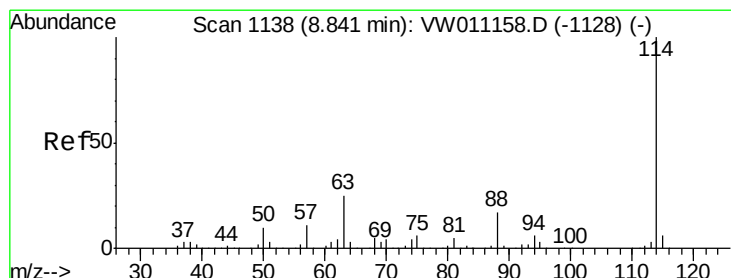
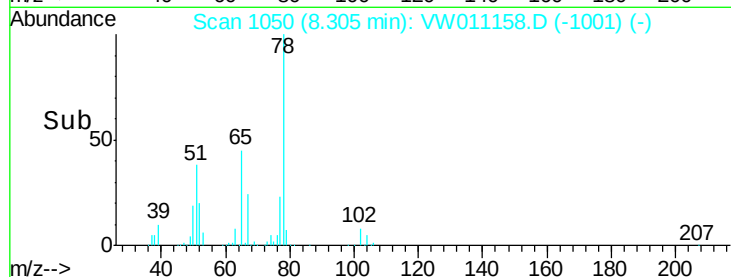
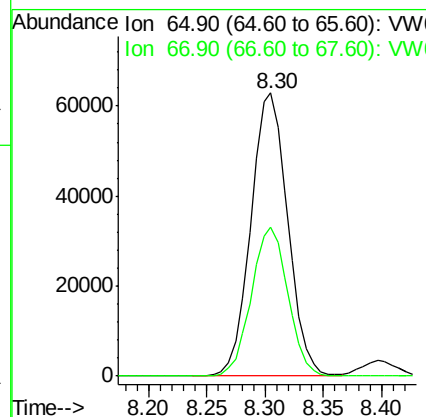
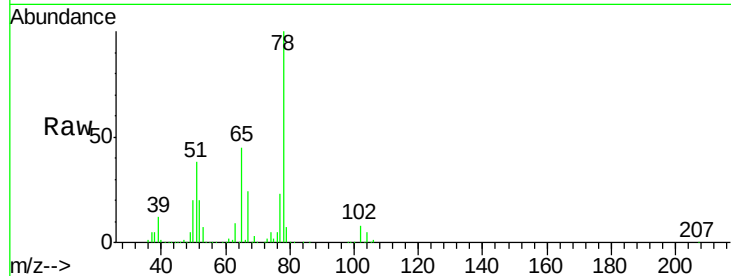
#33
 1,2-Dichloroethane-d4
 Concen: 49.184 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138847		
67	52.2	0.0	104.4	

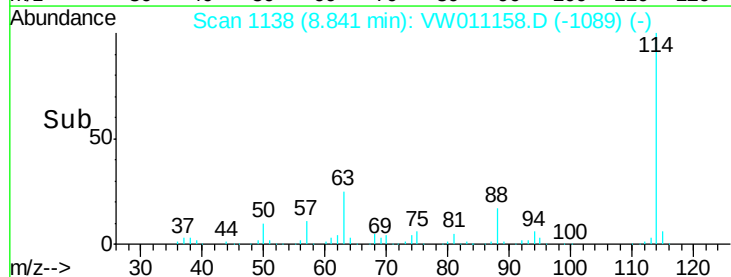
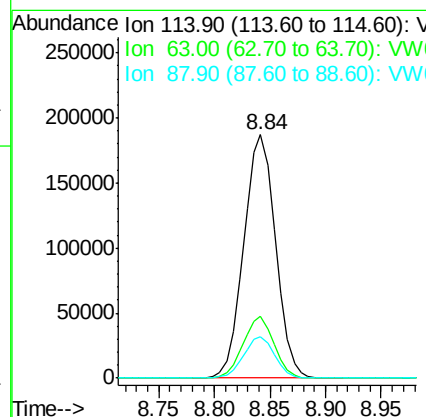
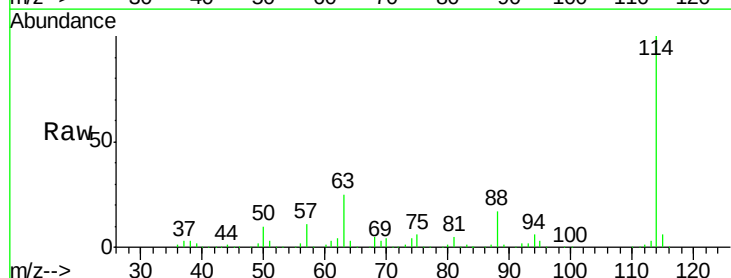
Manual Integrations
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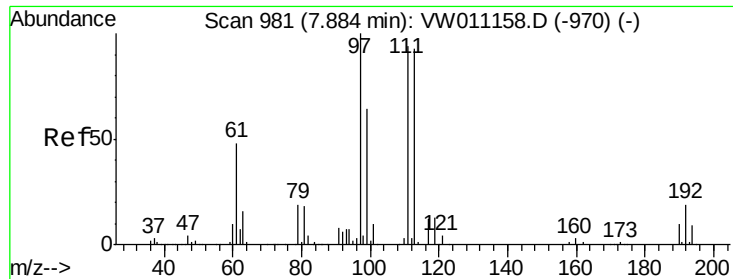
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	370182		
63	25.4	0.0	50.8	
88	17.1	0.0	34.2	





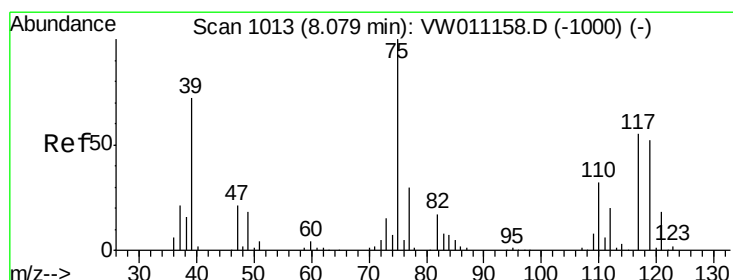
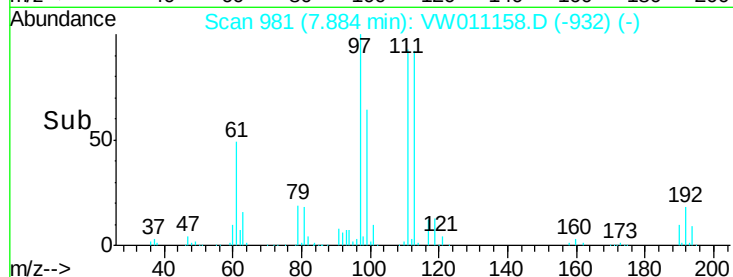
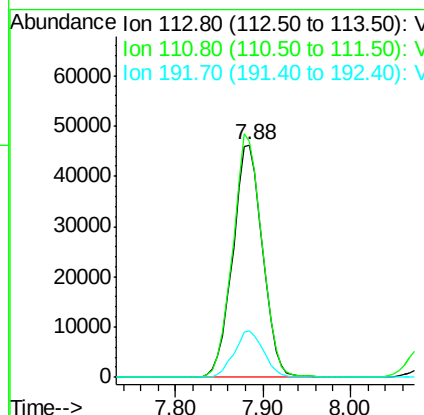
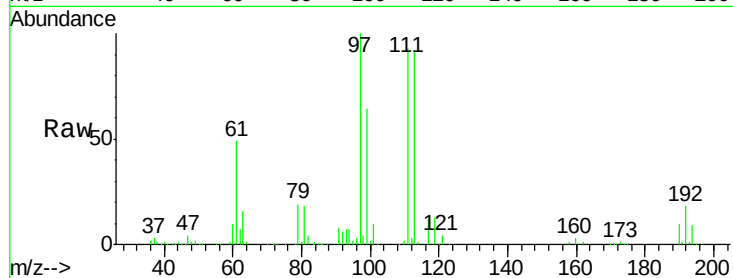
#35
Dibromofluoromethane
Concen: 49.637 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109522		
111	103.0	82.4	123.6	
192	19.8	15.8	23.8	

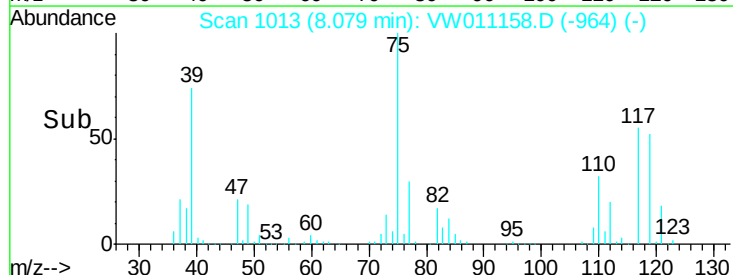
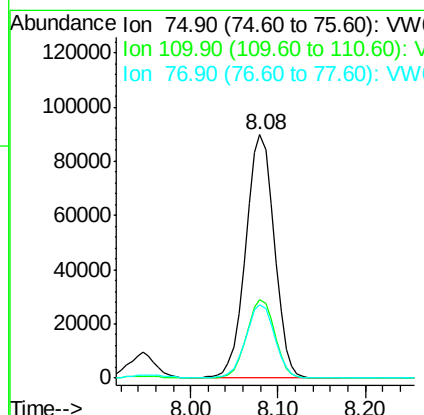
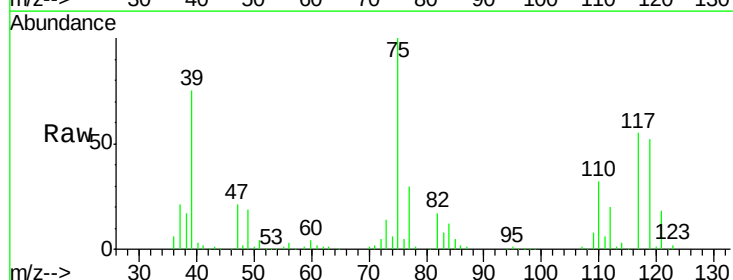
Manual Integrations
APPROVED

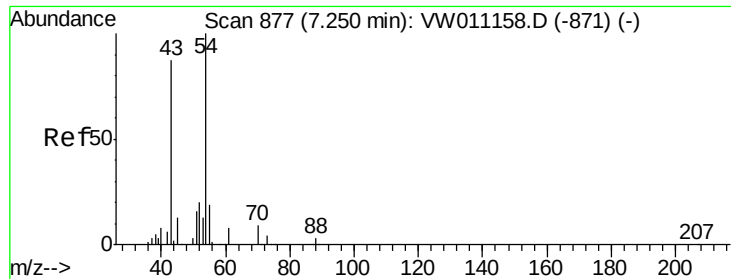
MMDadoda
7/9/2019 4:12:52 PM



#36
1,1-Dichloropropene
Concen: 51.874 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	204491		
110	31.7	15.9	47.6	
77	30.7	24.6	36.8	





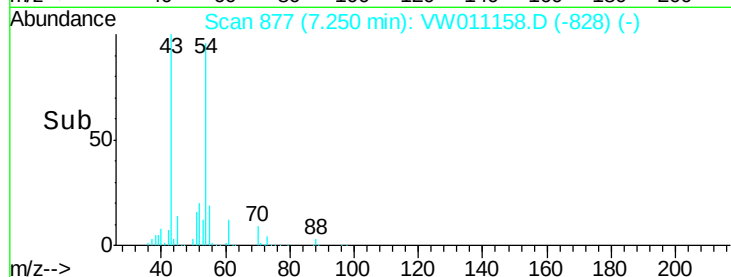
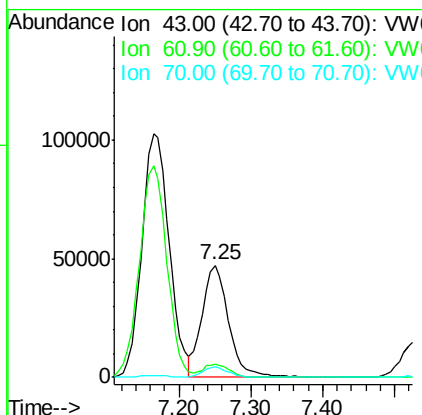
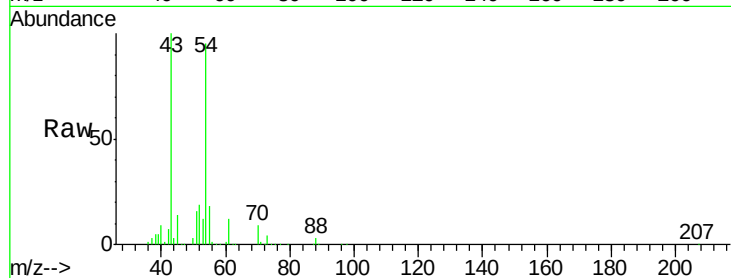
#37
Ethyl Acetate
Concen: 50.614 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	119879		
61	11.9		9.5	14.3
70	8.9		7.1	10.7

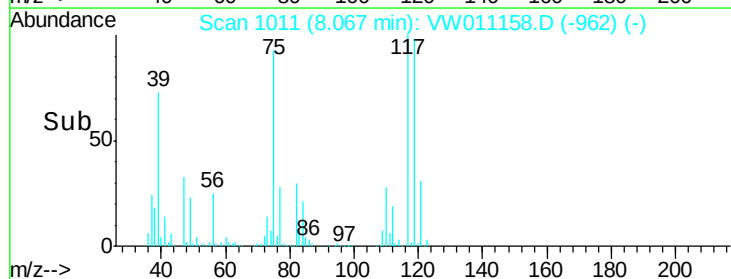
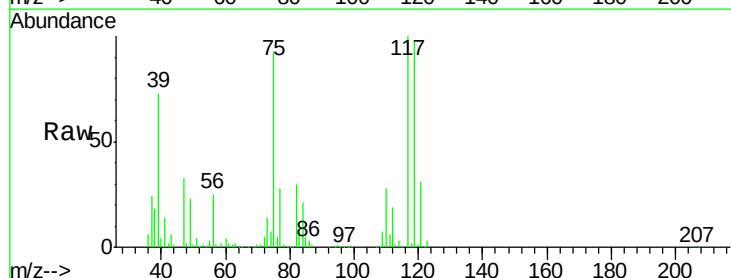
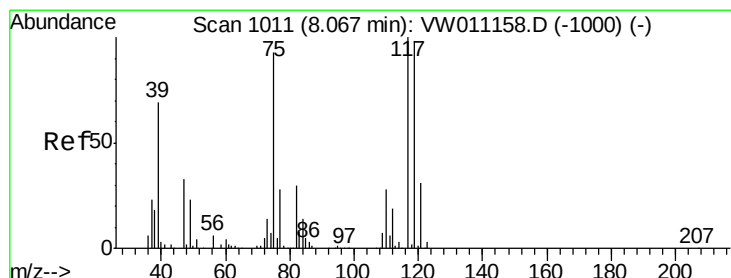
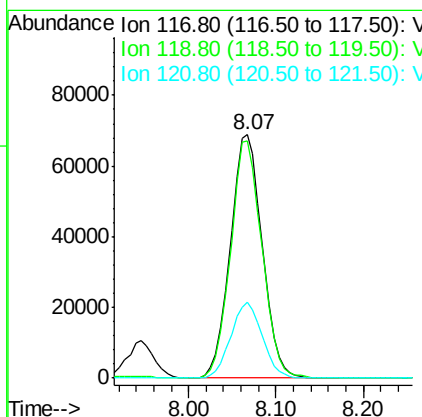
Manual Integrations
APPROVED

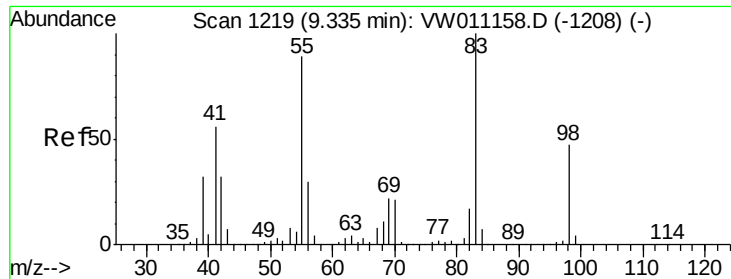
MMDadoda
7/9/2019 4:12:52 PM



#38
Carbon Tetrachloride
Concen: 52.116 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	174161		
119	97.6		78.1	117.1
121	31.4		25.1	37.7





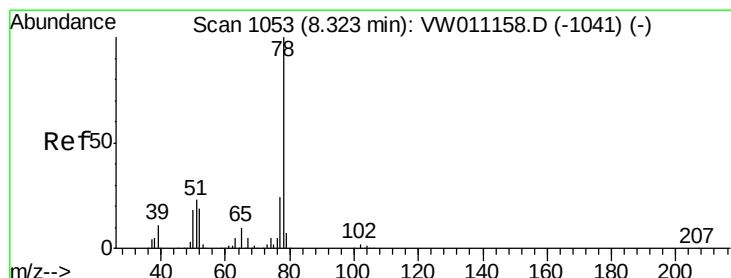
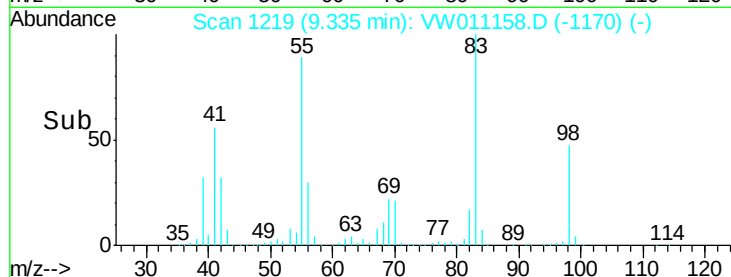
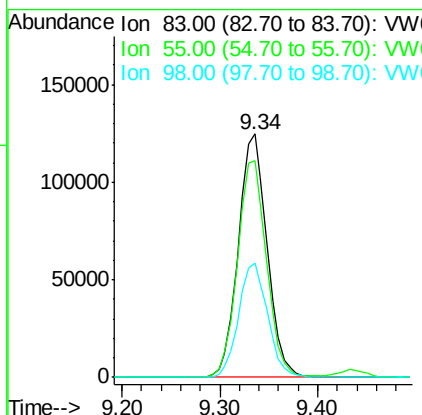
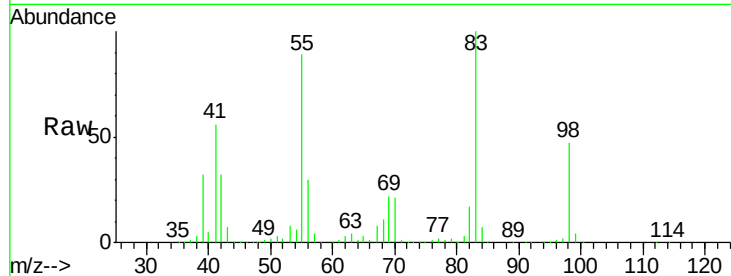
#39
Methylvlcyclohexane
Concen: 53.322 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	83.00	Resp	254771
Ion Ratio	100	Lower	Upper
83	100		
55	89.0	71.2	106.8
98	46.9	37.5	56.3

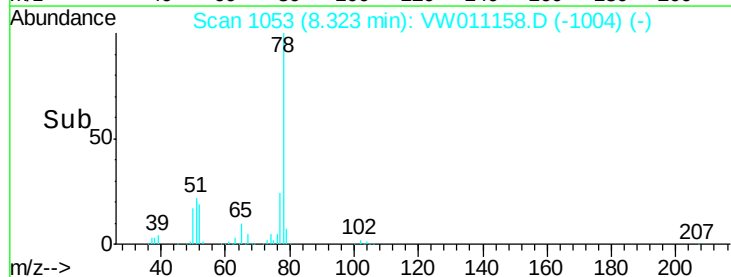
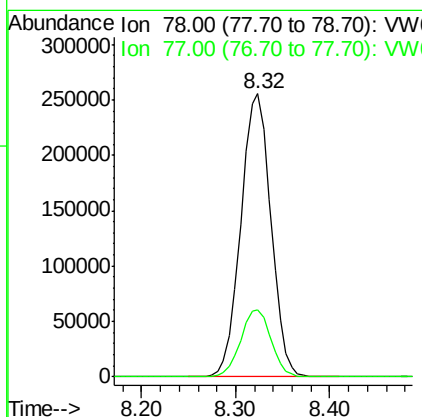
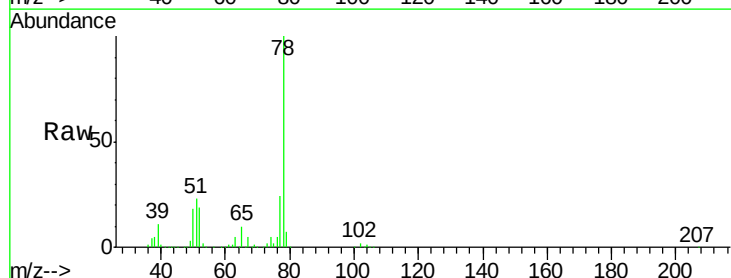
Manual Integrations
APPROVED

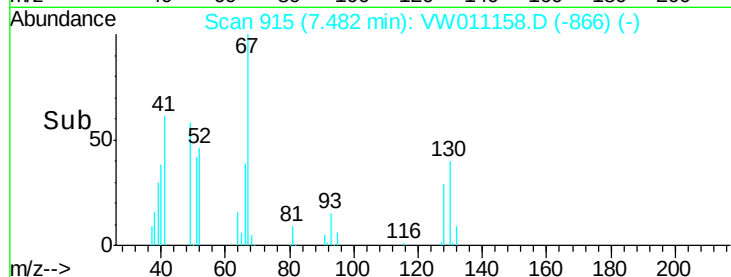
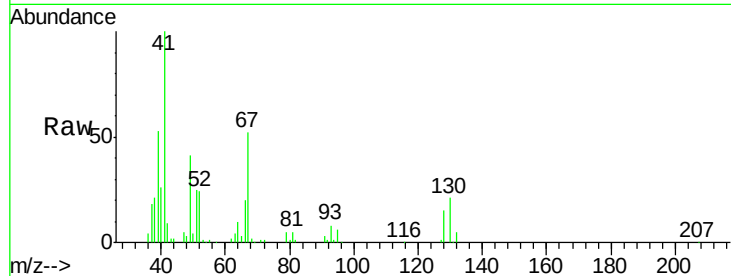
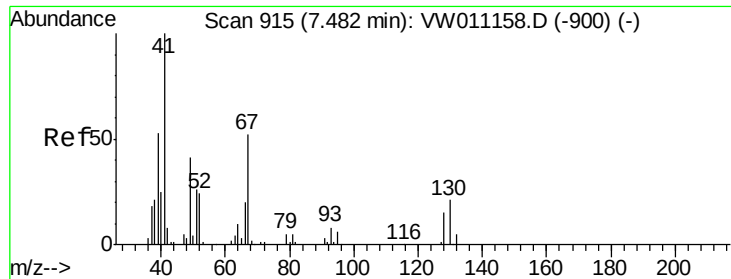
MMDadoda
7/9/2019 4:12:52 PM



#40
Benzene
Concen: 52.057 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

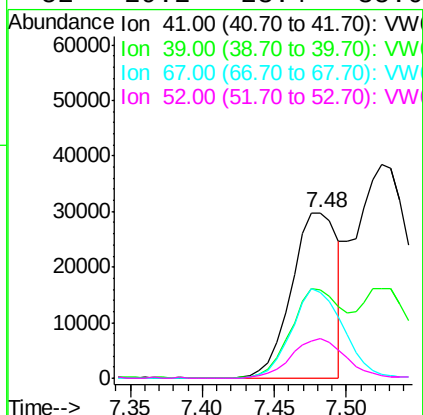
Tgt Ion	78.00	Resp	567134
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
Methacrylonitrile
Concen: 48.291 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

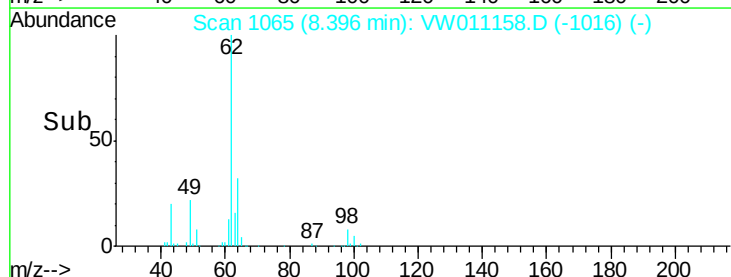
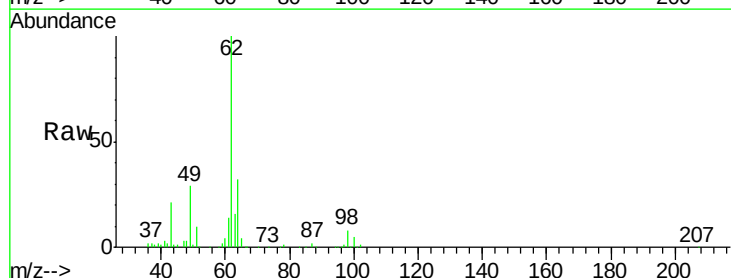
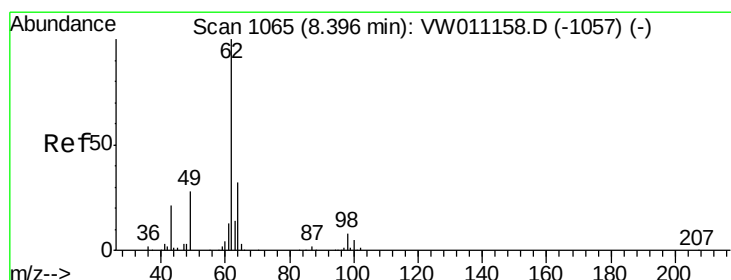
Tot Ion	41	Resp	65417
Ion	Ratio	Lower	Upper
41	100		
39	60.0	48.0	72.0
67	62.1	49.7	74.5
52	29.2	23.4	35.0



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

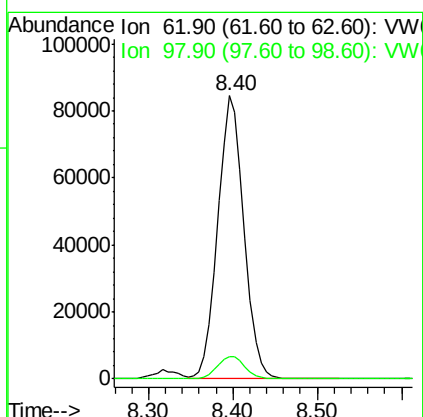
Manual Integrations
APPROVED

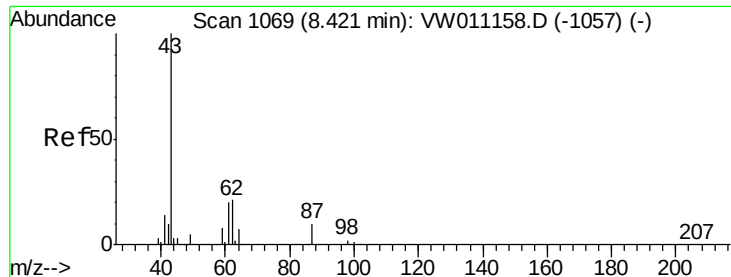
MMDadoda
7/9/2019 4:12:52 PM



#42
1,2-Dichloroethane
Concen: 51.111 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	62	Resp	180632
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 51.279 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

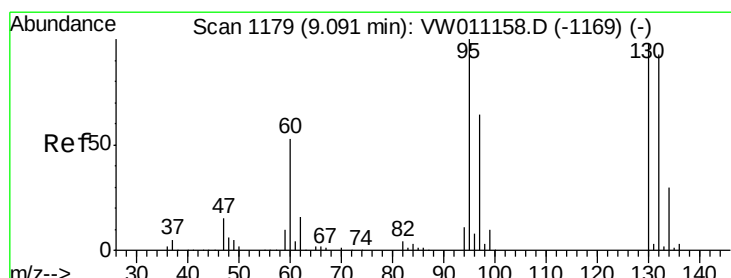
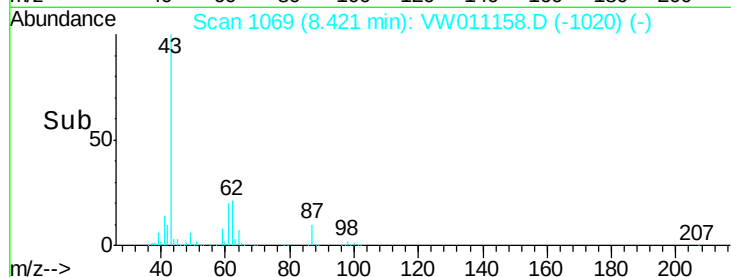
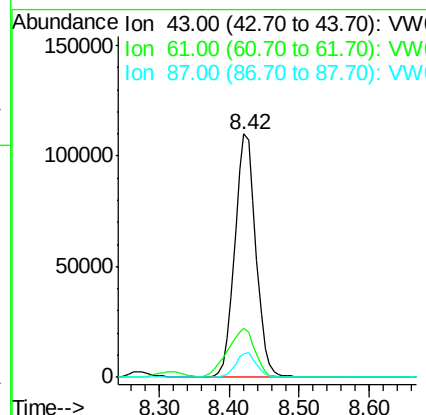
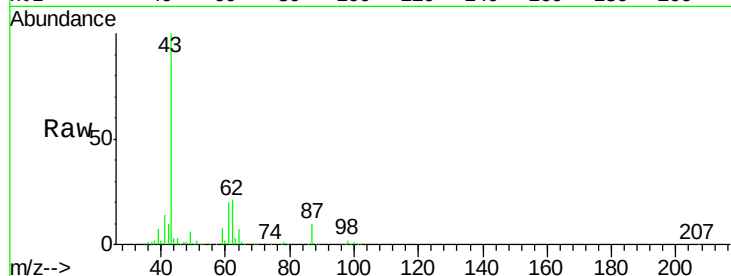
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	229303
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.7	31.1
87	10.1	8.1	12.1

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#44

Trichloroethene

Concen: 51.357 ug/l

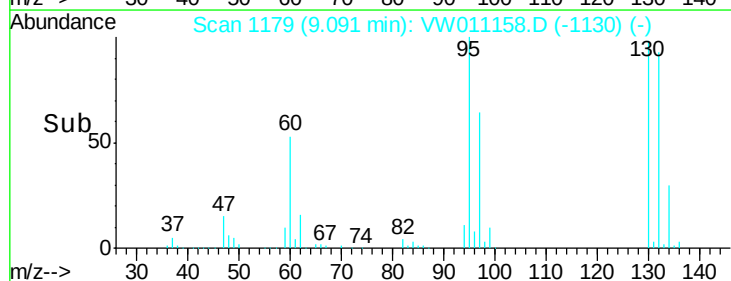
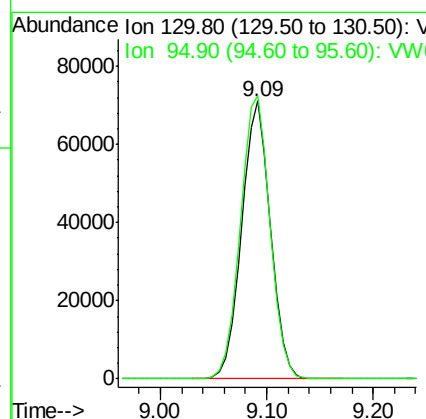
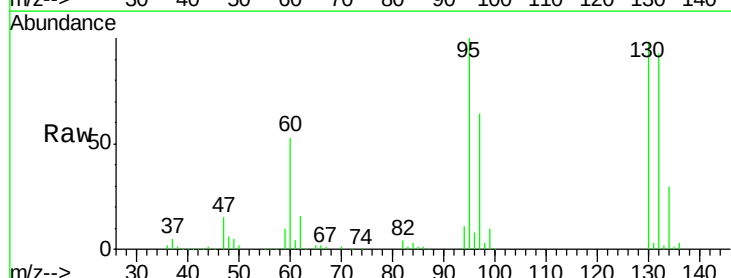
RT: 9.09 min Scan# 1179

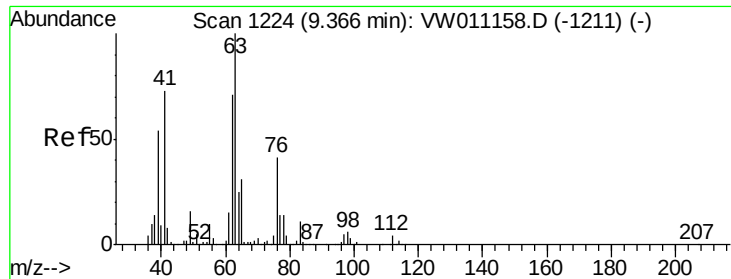
Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Tgt Ion:	130	Resp:	134640
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	203.6





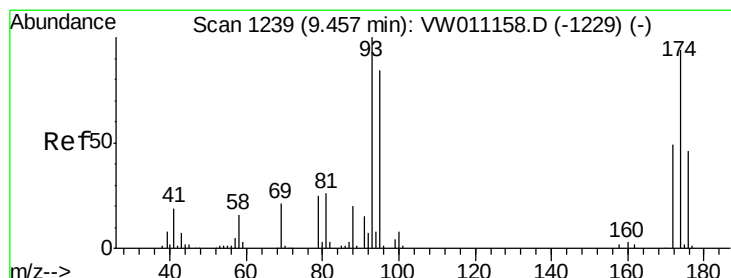
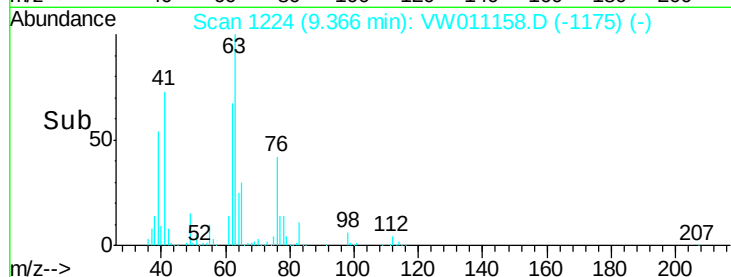
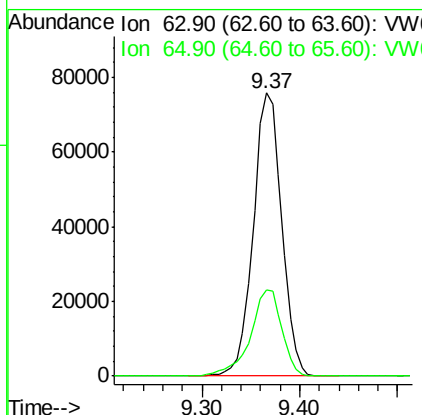
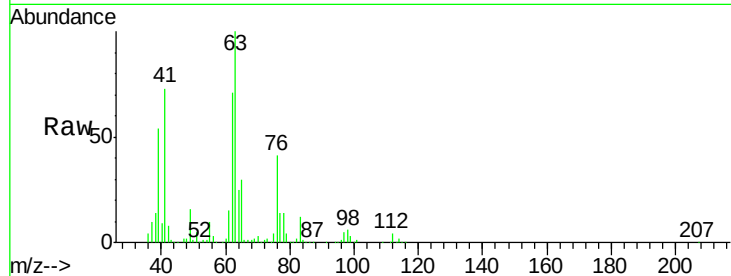
#45
 1,2-Dichloropropane
 Concen: 51.899 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6

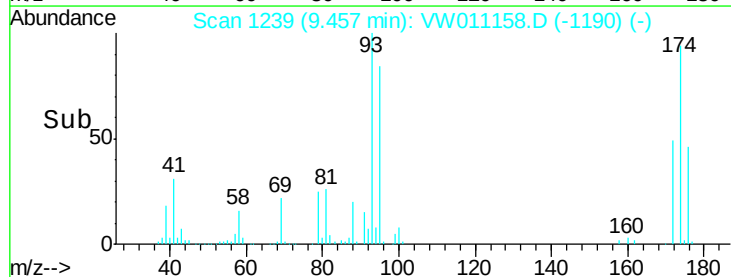
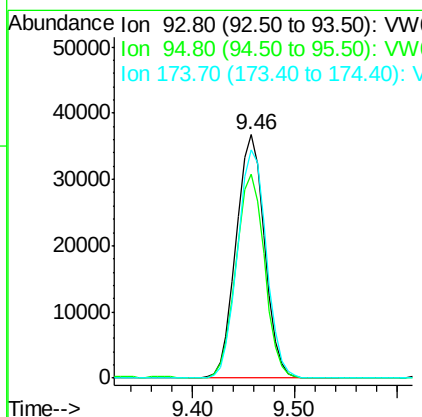
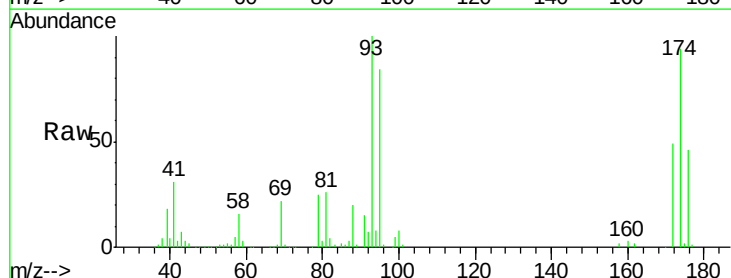
Manual Integrations
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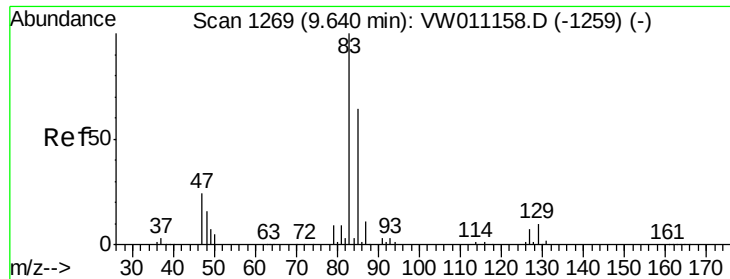
MMDadoda
 7/9/2019 4:12:52 PM



#46
 Dibromomethane
 Concen: 51.212 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	67.2	100.8
174	95.4	76.3	114.5





#47

Bromodichloromethane

Concen: 51.976 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

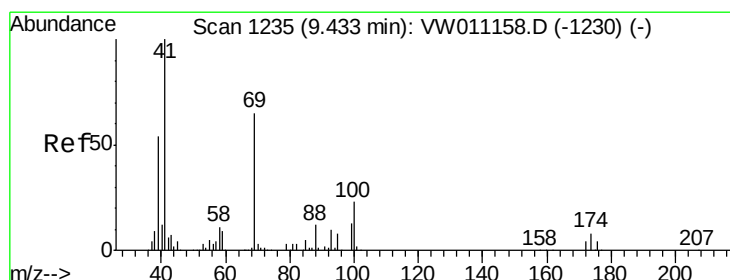
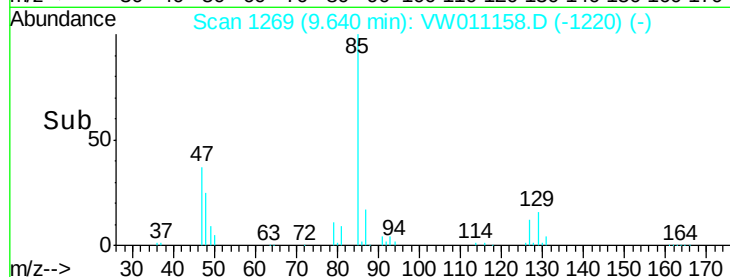
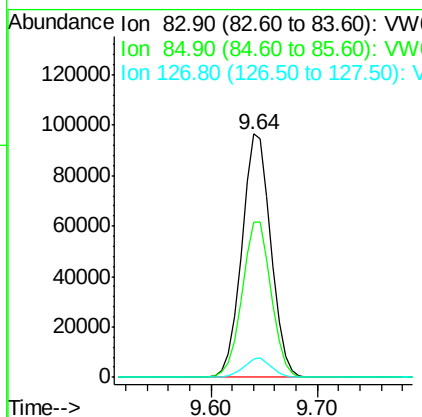
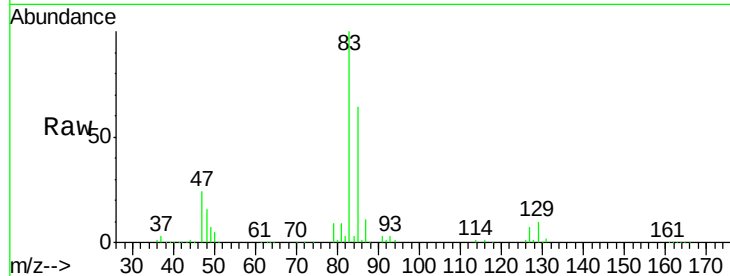
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	184302
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4
127	7.5	6.0	9.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.118 ug/l

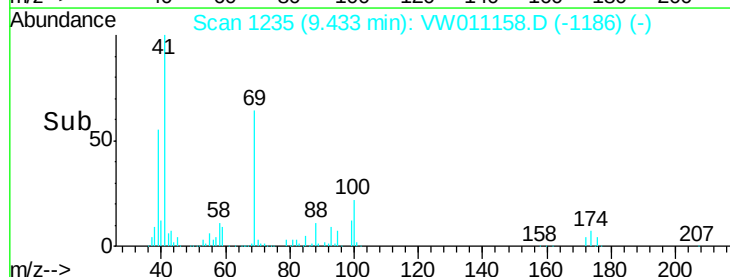
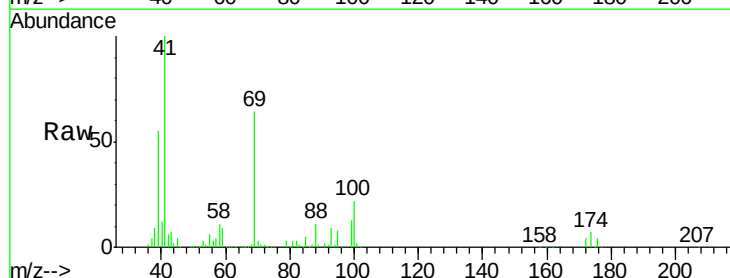
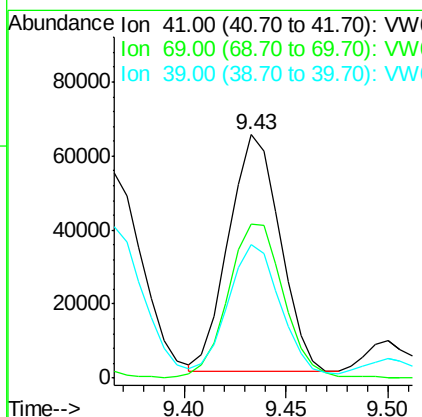
RT: 9.43 min Scan# 1235

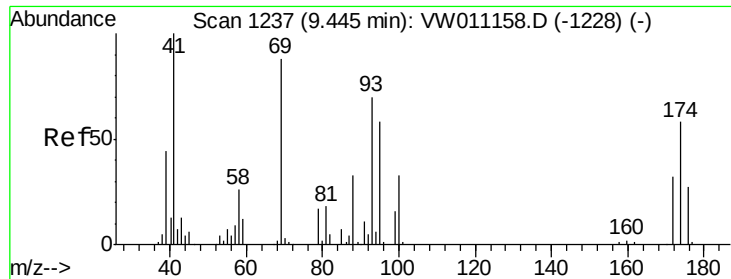
Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Tgt Ion:	41	Resp:	112124
Ion	Ratio	Lower	Upper
41	100		
69	70.0	56.0	84.0
39	54.4	43.5	65.3





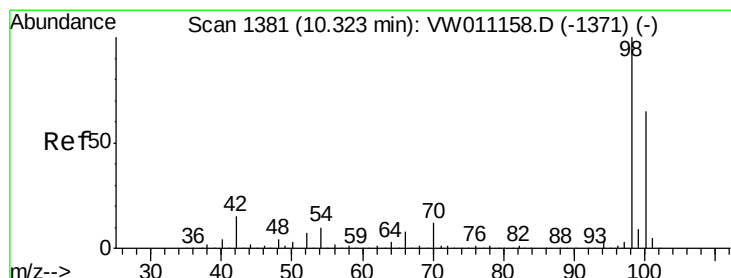
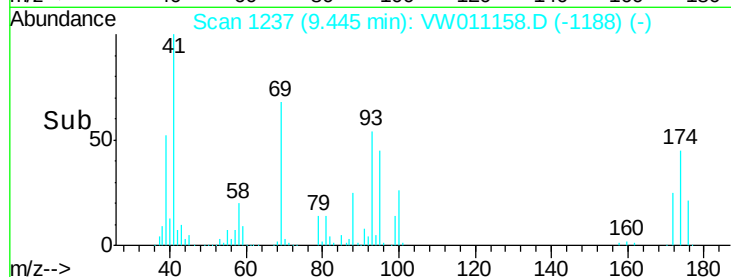
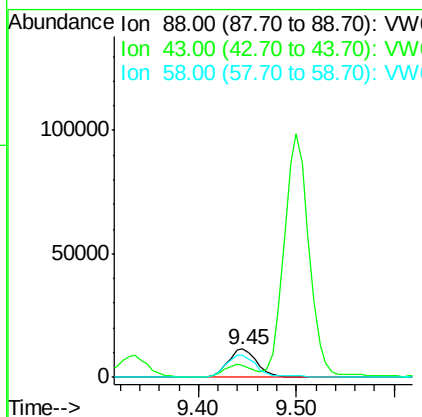
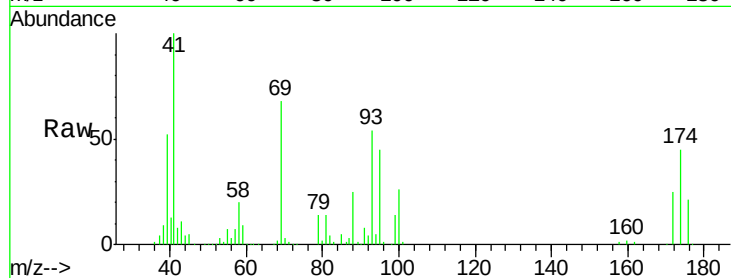
#49
1,4-Dioxane
Concen: 1027.834 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	23776		
43	41.7		33.4	50.0
58	80.6		64.5	96.7

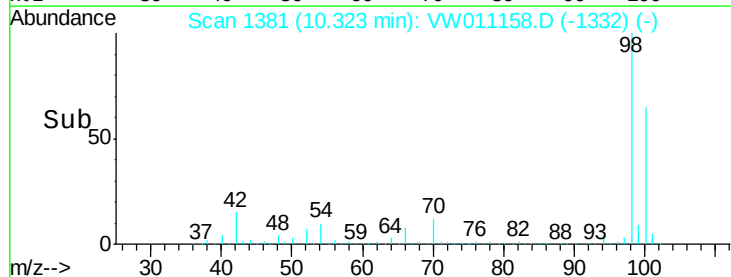
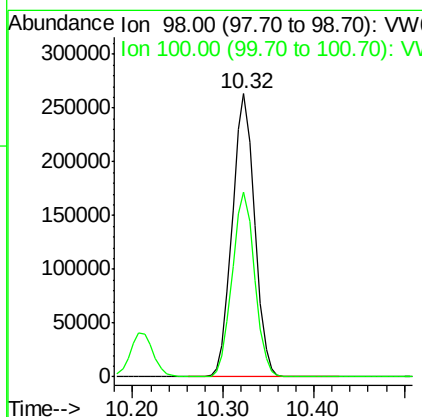
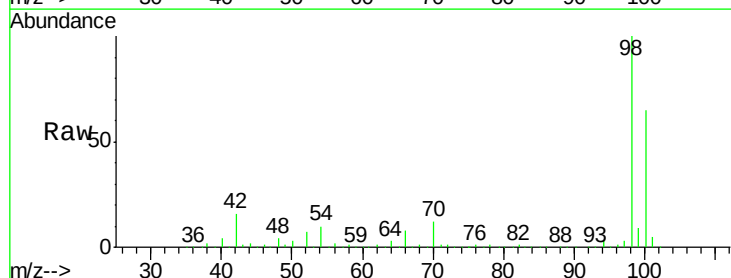
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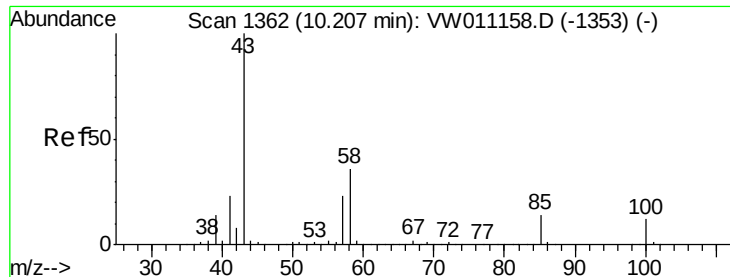
MMDadoda
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#50
Toluene-d8
Concen: 50.552 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	450863		
100	65.5		52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 254.505 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 594500

Ion Ratio Lower Upper

43 100

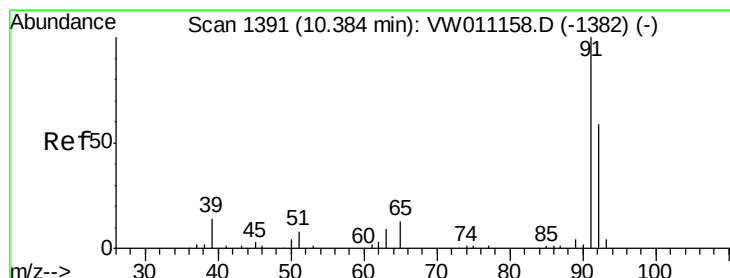
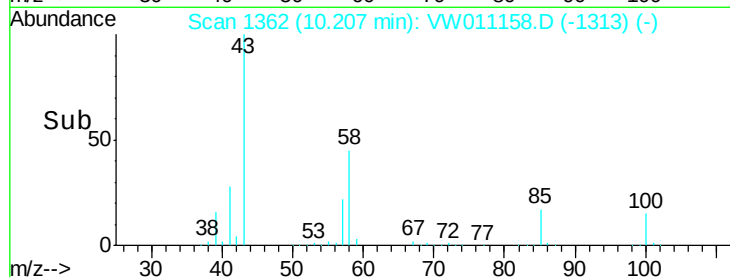
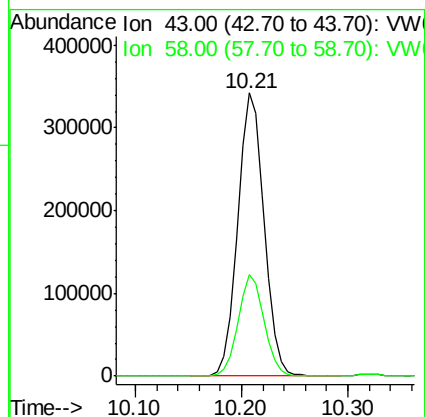
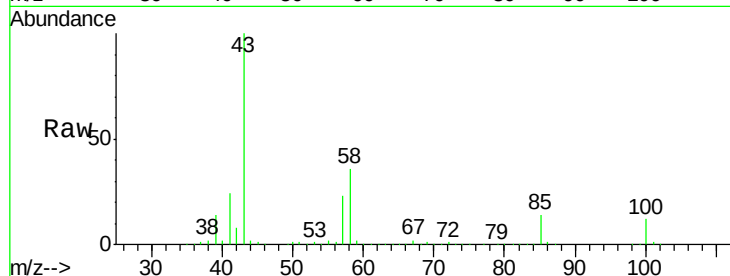
58 35.2 28.2 42.2

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#52

Toluene

Concen: 52.525 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011158.D

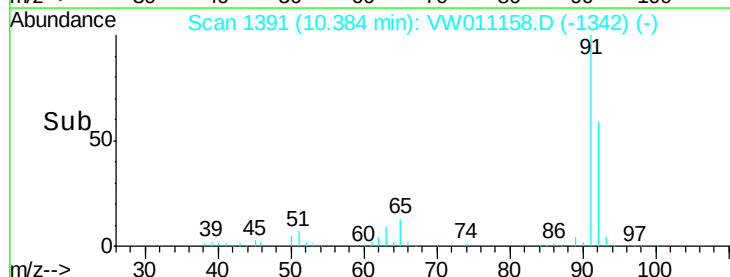
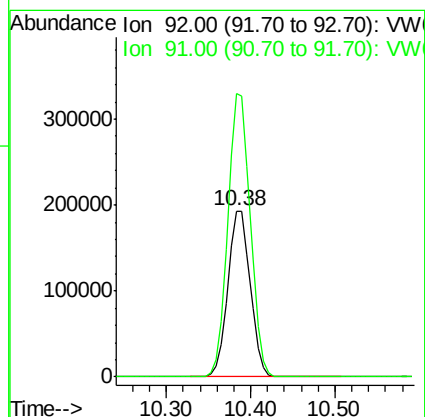
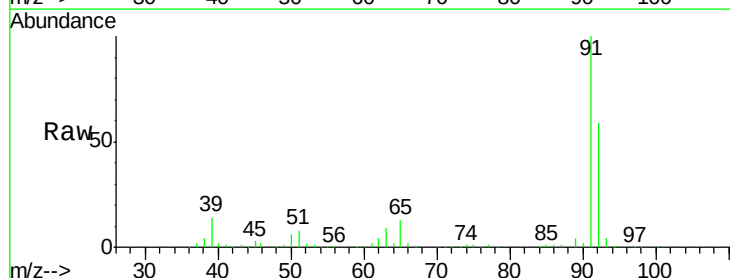
Acq: 08 Jul 2019 12:01

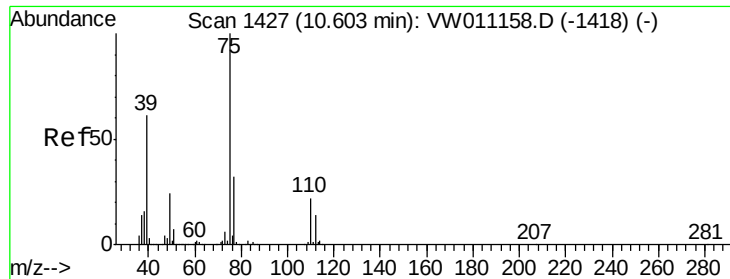
Tgt Ion: 92 Resp: 347120

Ion Ratio Lower Upper

92 100

91 170.8 136.6 205.0





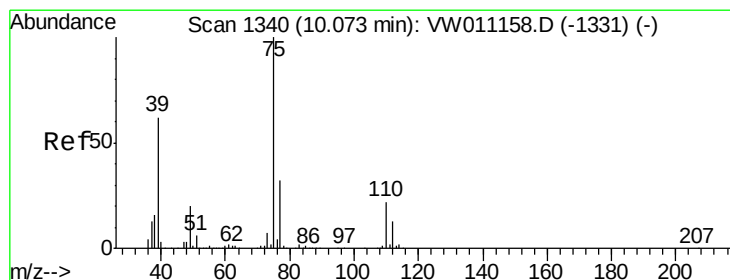
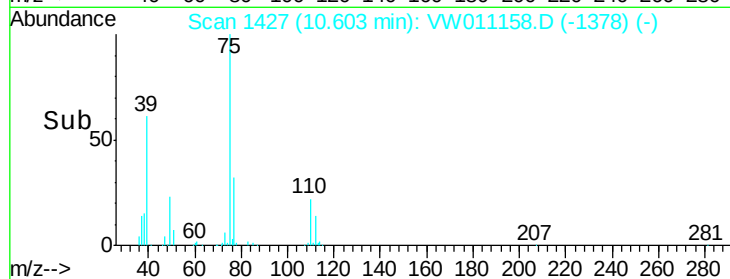
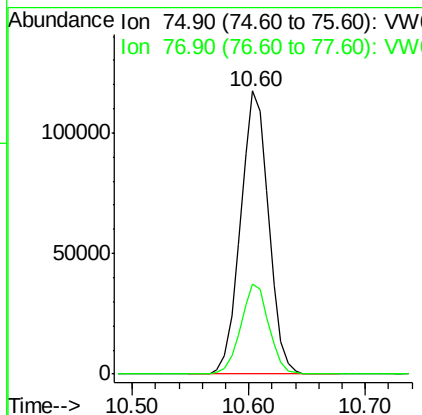
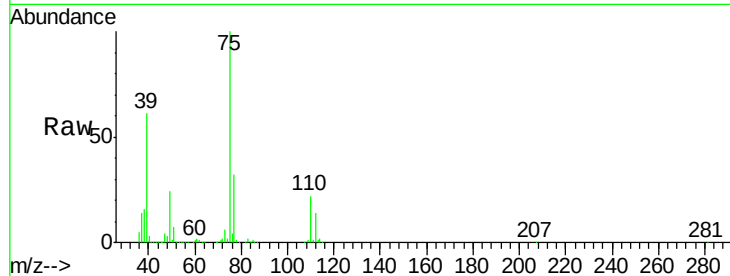
#53
t-1,3-Dichloropropene
Concen: 52.312 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 197448
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

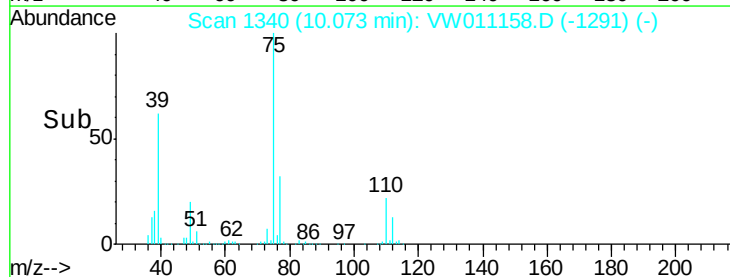
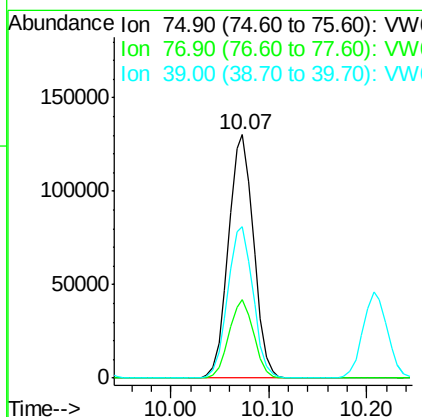
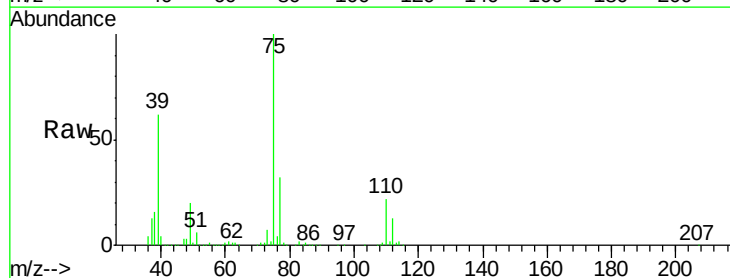
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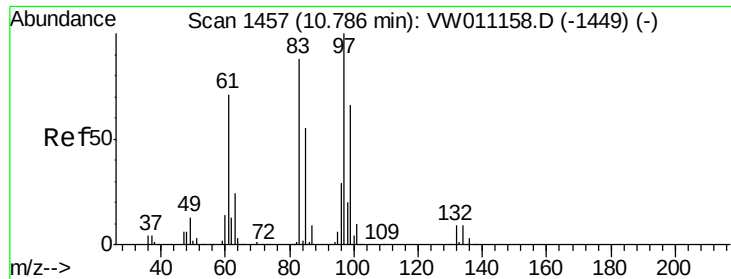
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.262 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion: 75 Resp: 232181
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5
39 62.3 49.8 74.8





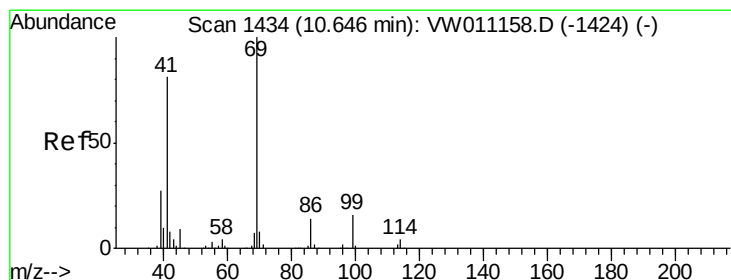
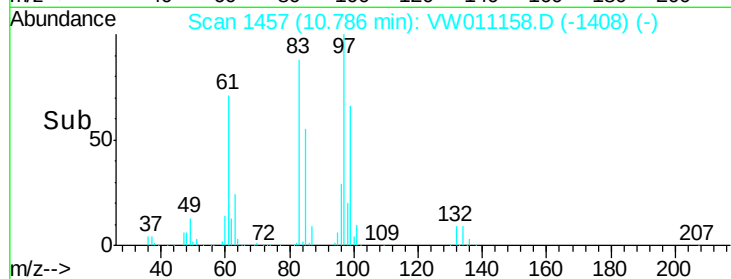
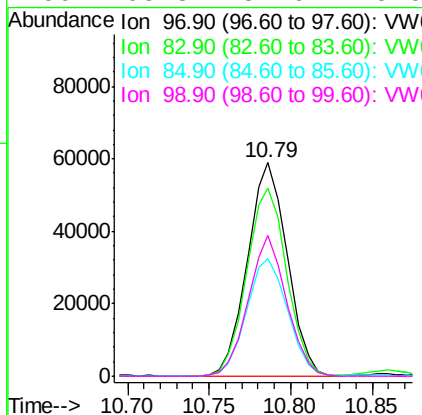
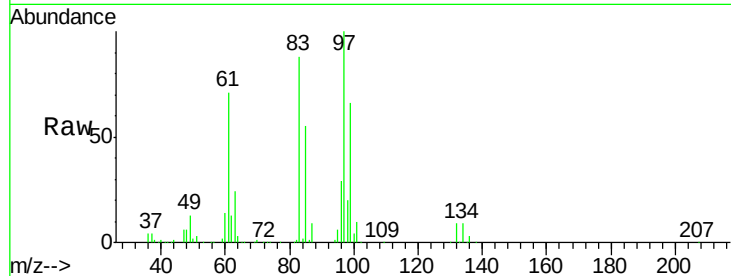
#55
 1,1,2-Trichloroethane
 Concen: 50.813 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	99901
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.2	105.4
85	55.2	44.2	66.2
99	65.8	52.6	79.0

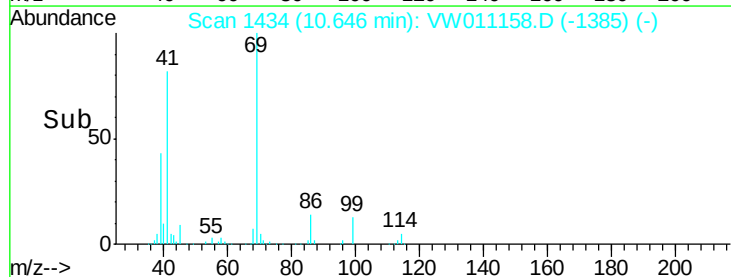
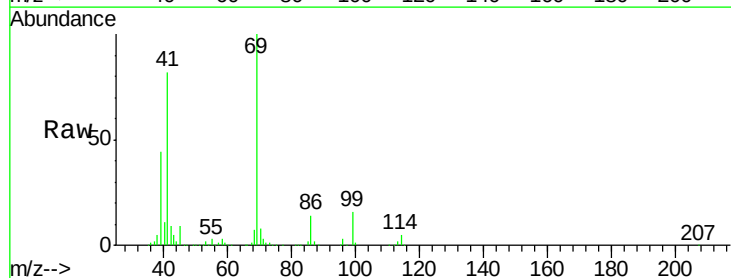
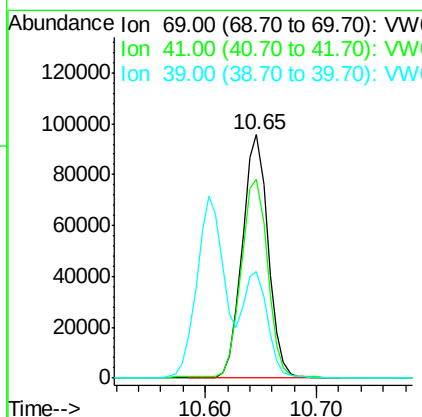
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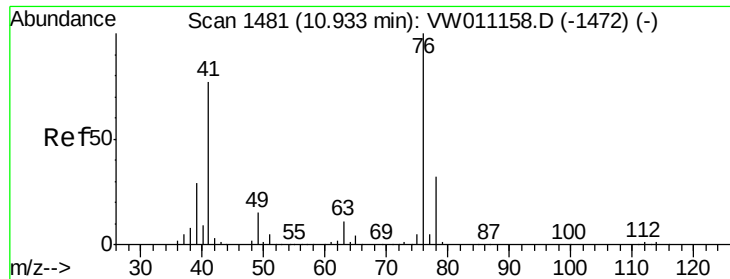
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#56
 Ethyl methacrylate
 Concen: 51.636 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion:	69	Resp:	154558
Ion	Ratio	Lower	Upper
69	100		
41	83.1	66.5	99.7
39	40.6	32.5	48.7





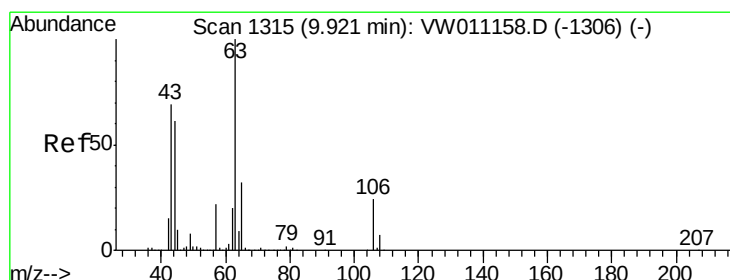
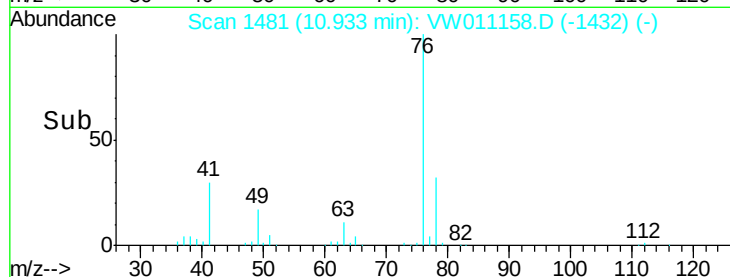
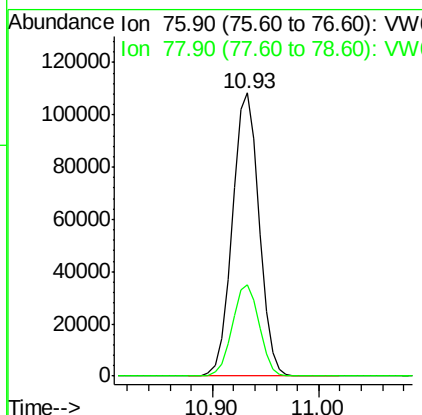
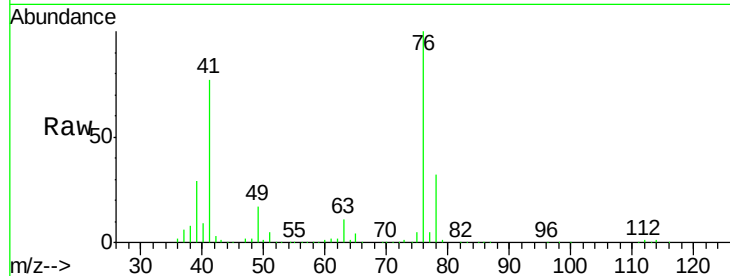
#57
 1,3-Dichloropropane
 Concen: 51.305 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 190739
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

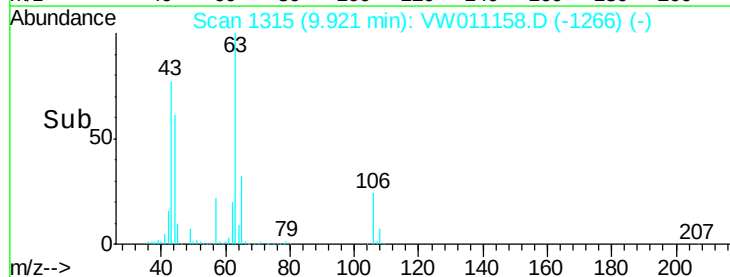
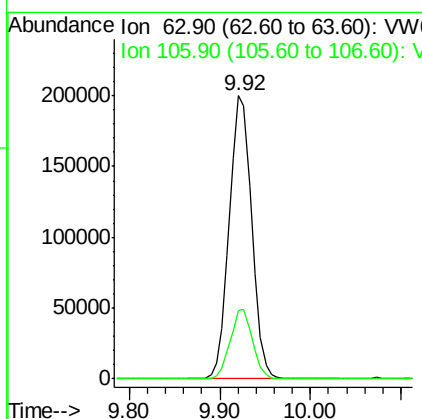
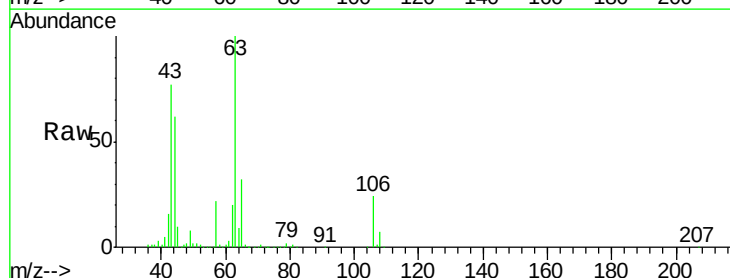
Manual Integrations
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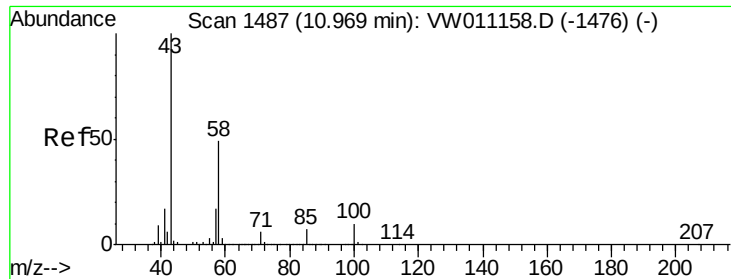
MMDadoda
 7/9/2019 4:12:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.567 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion: 63 Resp: 343541
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.0





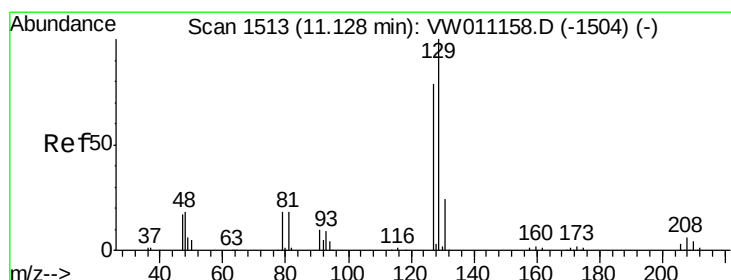
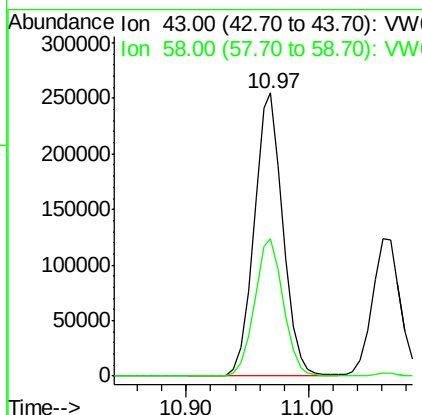
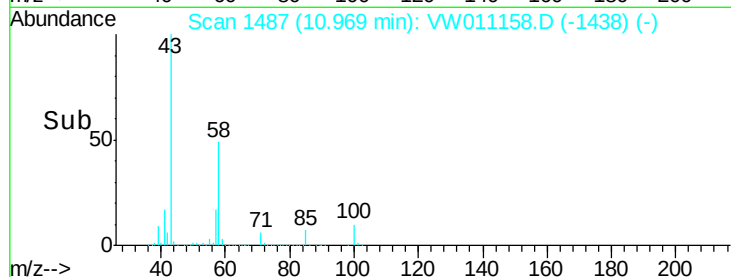
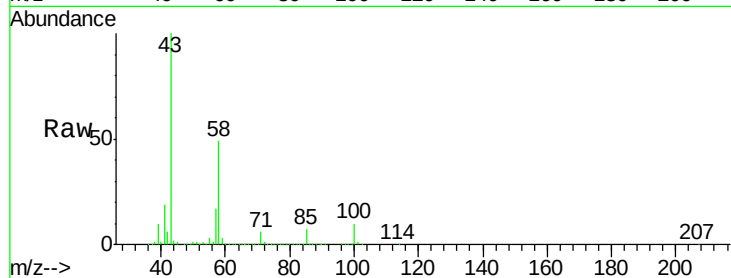
#59
2-Hexanone
Concen: 256.012 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 414728
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4

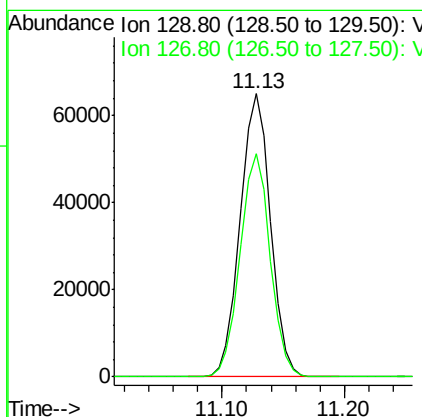
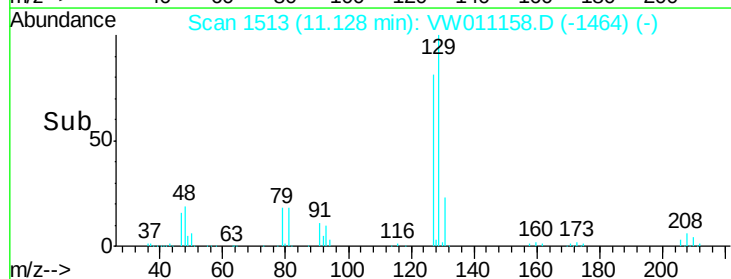
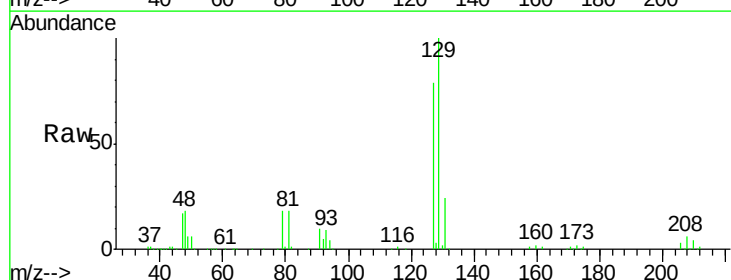
Manual Integrations
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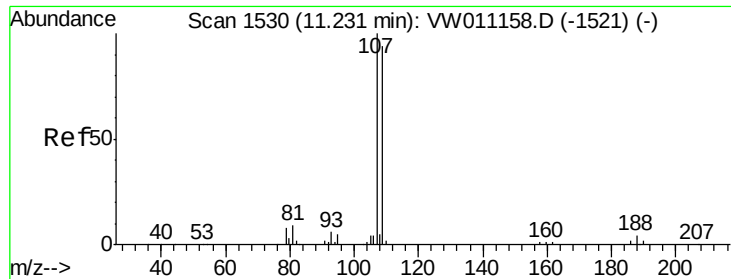
MMDadoda
7/9/2019 4:12:52 PM



#60
Dibromochloromethane
Concen: 51.914 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion: 129 Resp: 111921
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





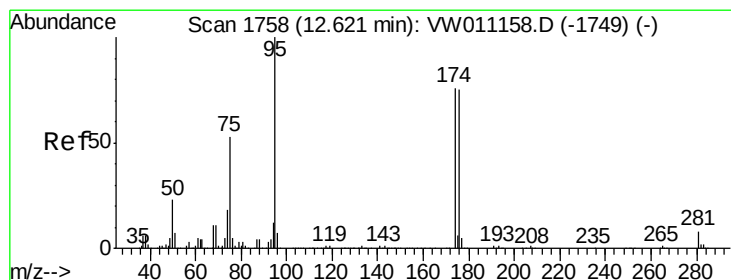
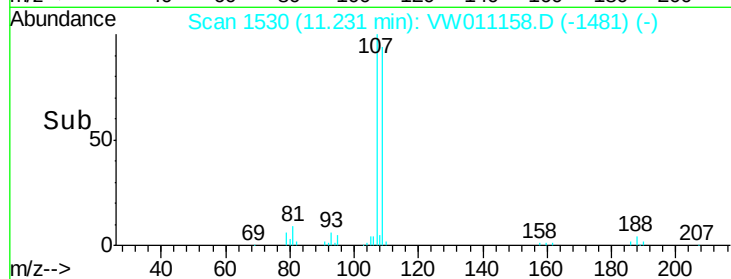
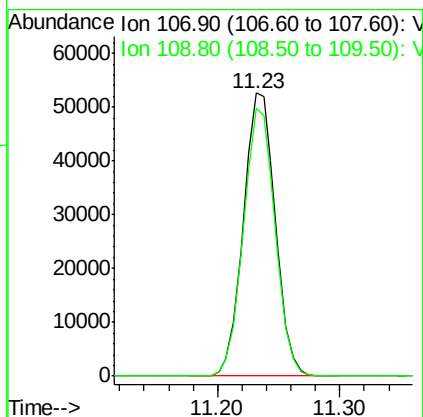
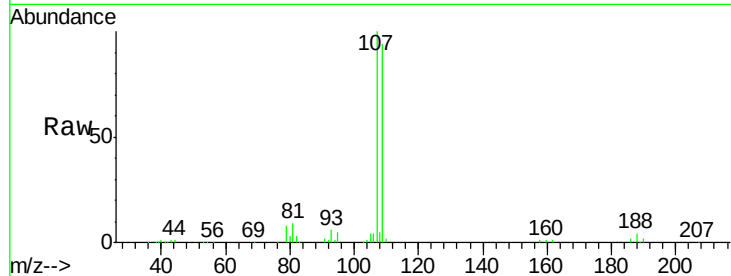
#61
 1,2-Dibromoethane
 Concen: 51.127 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8

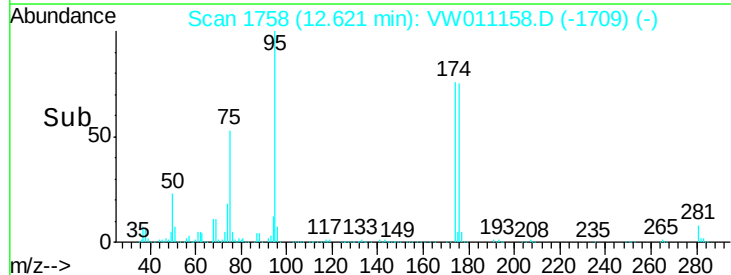
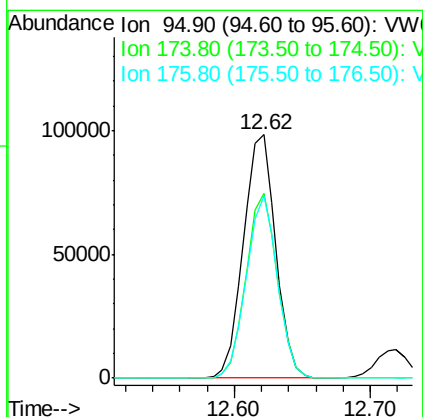
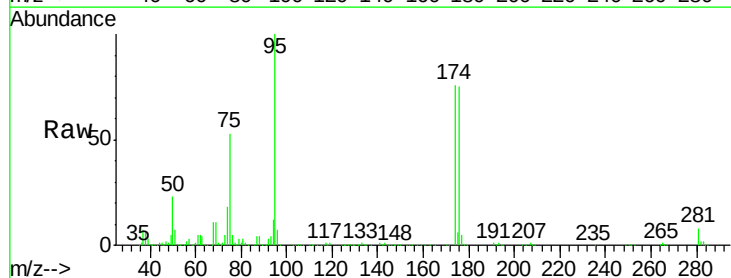
Manual Integrations
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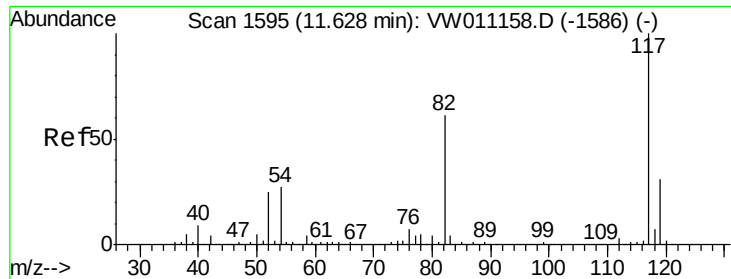
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 49.902 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	147.6
176	72.3	0.0	144.6





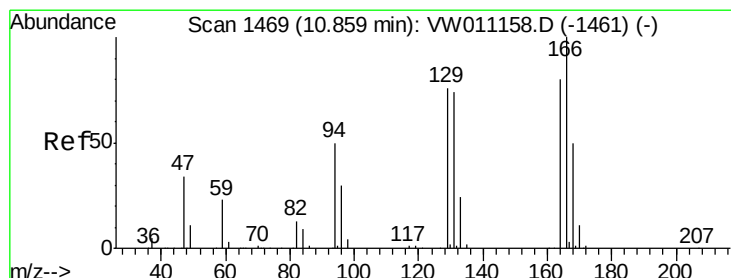
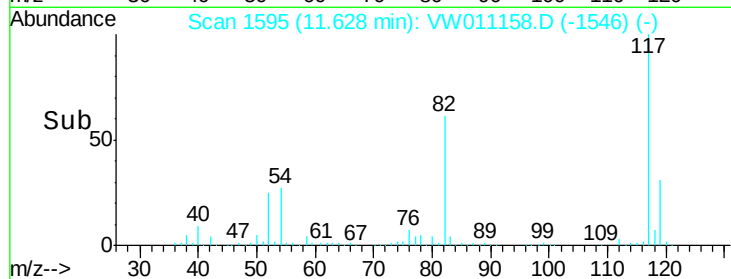
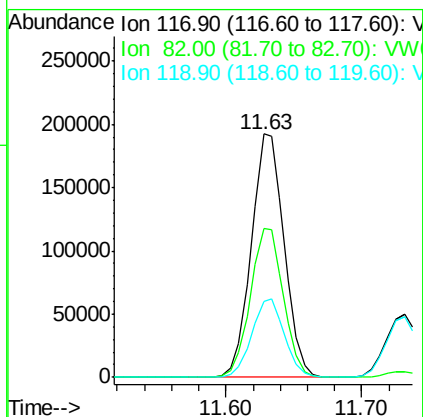
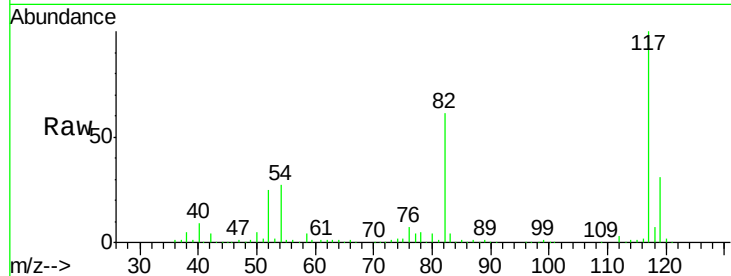
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.9	73.3
119	31.3	25.0	37.6

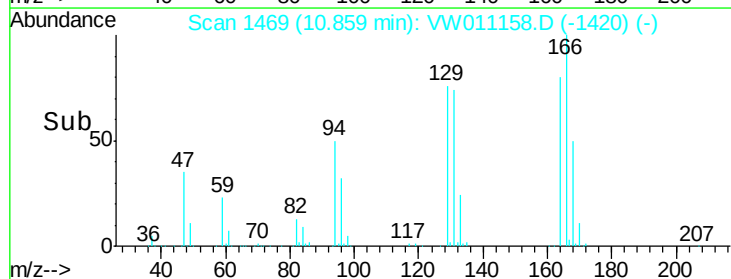
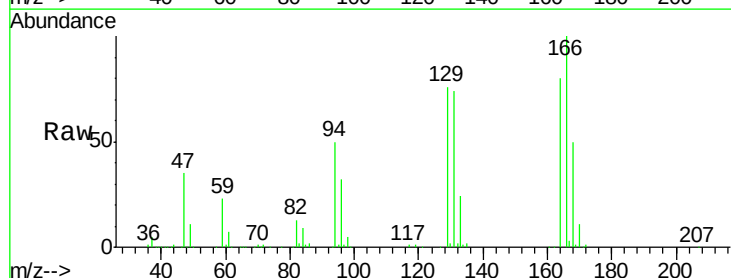
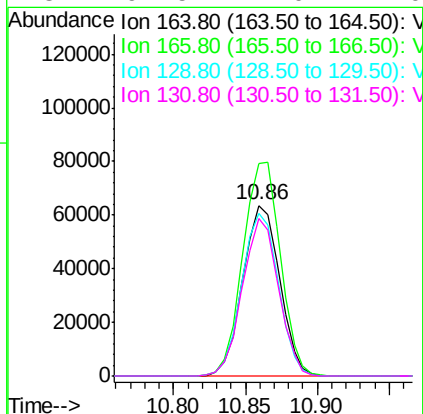
Manual Integrations
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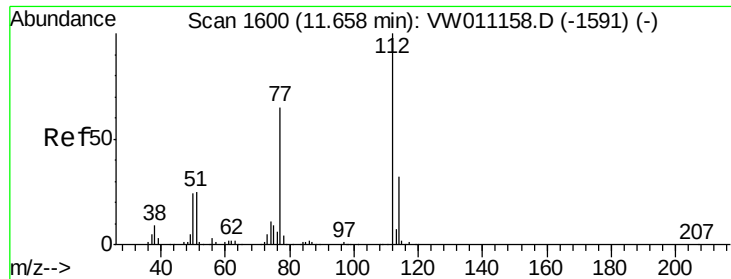
MMDadoda
7/9/2019 4:12:52 PM



#64
Tetrachloroethene
Concen: 51.228 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	99.7	149.5
129	95.2	76.2	114.2
131	92.5	74.0	111.0





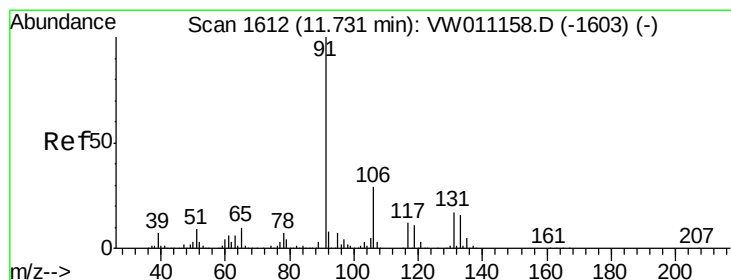
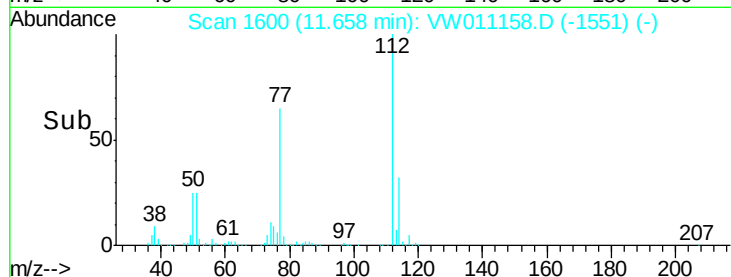
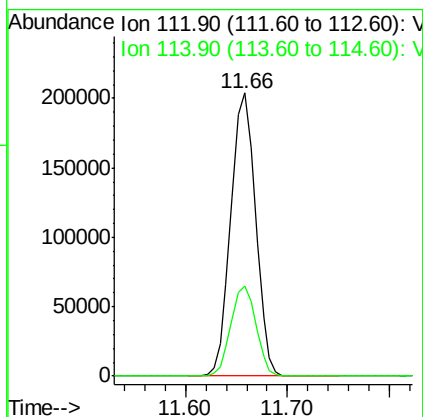
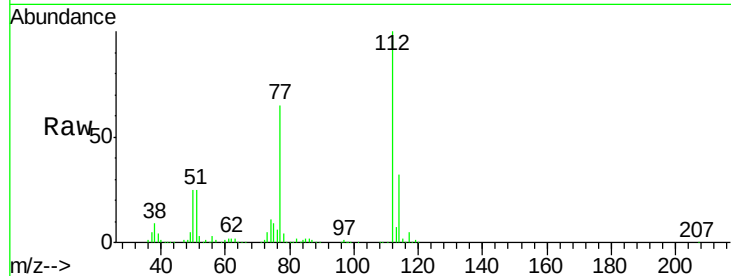
#65
Chlorobenzene
Concen: 51.843 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	343419		
114	31.9	25.5	38.3	

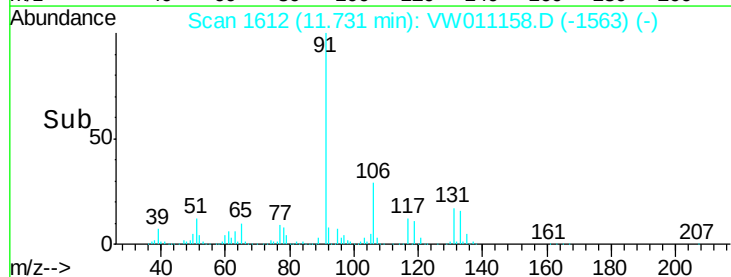
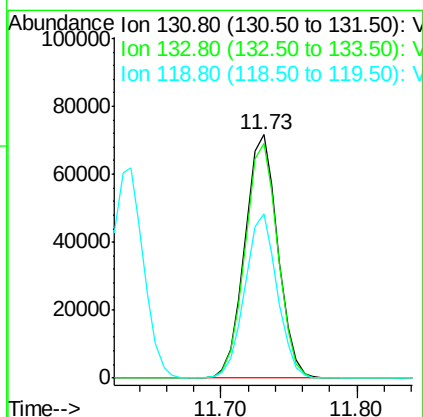
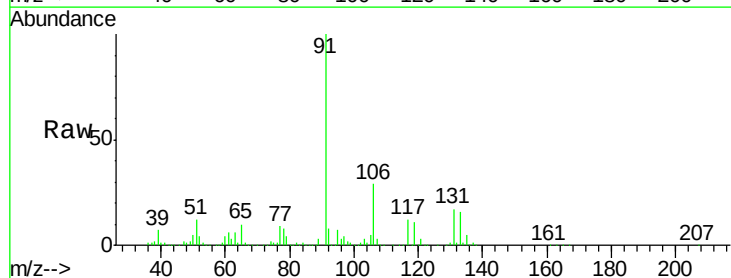
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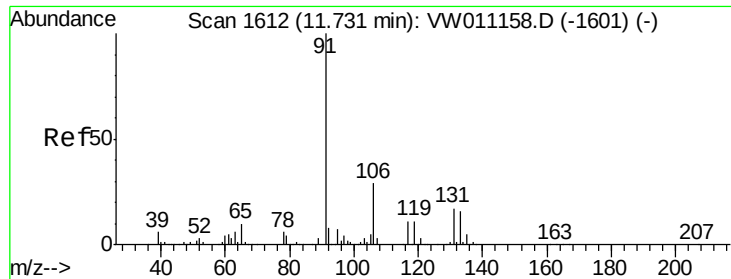
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.016 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	121322		
133	95.9	47.9	143.8	
119	66.1	33.1	99.2	





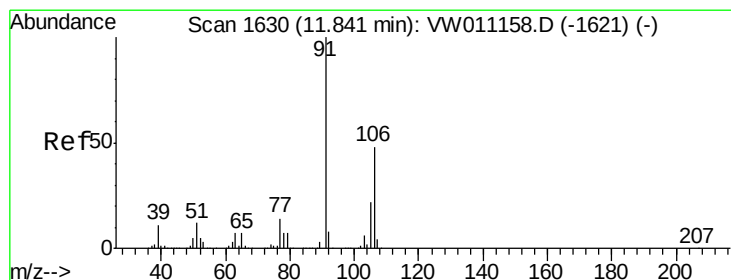
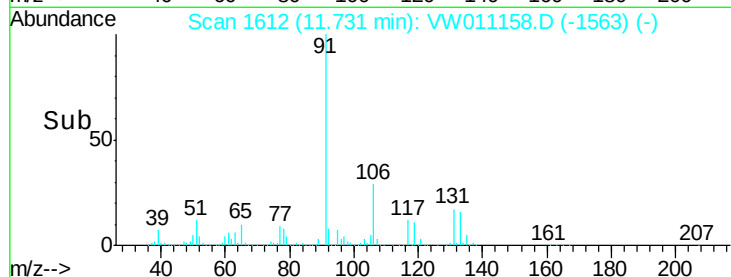
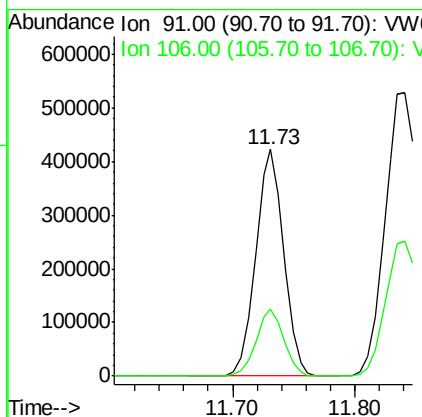
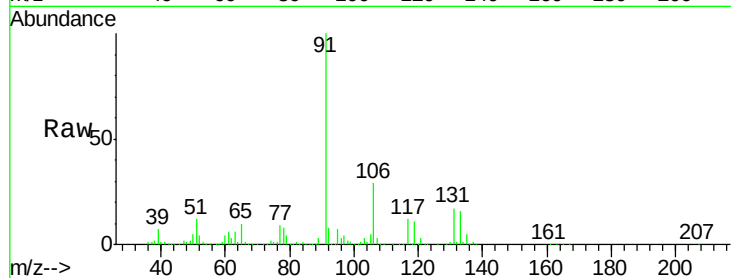
#67
Ethyl Benzene
Concen: 52.876 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 670527
Ion Ratio Lower Upper
91 100
106 29.4 23.5 35.3

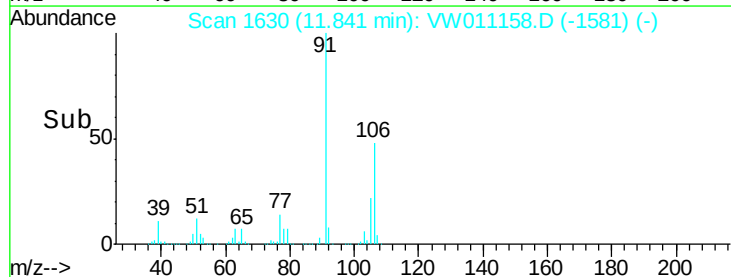
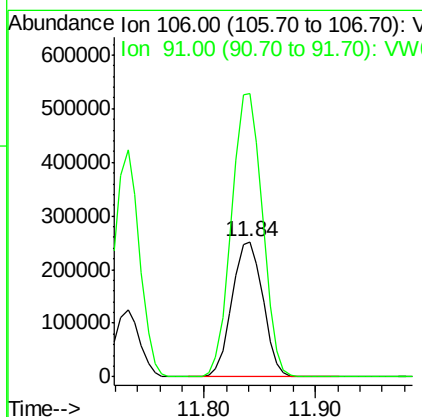
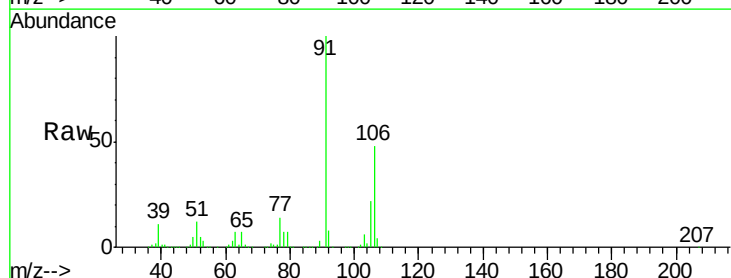
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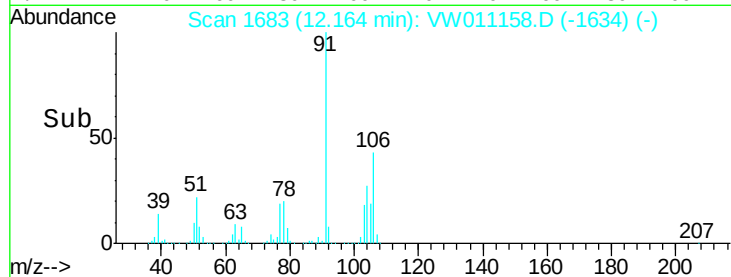
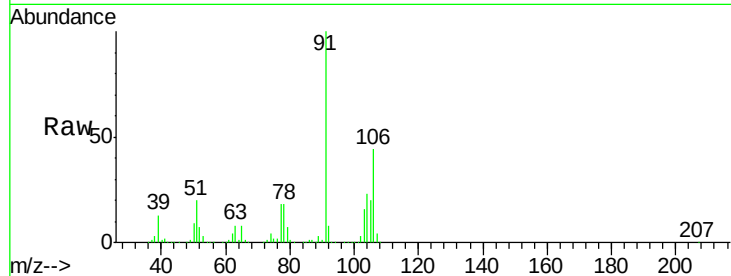
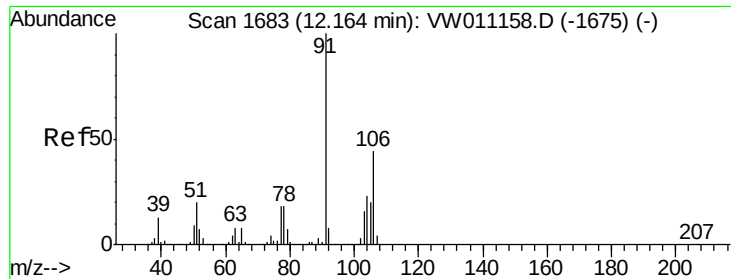
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#68
m/p-Xylenes
Concen: 105.549 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion: 106 Resp: 484315
Ion Ratio Lower Upper
106 100
91 209.6 167.7 251.5





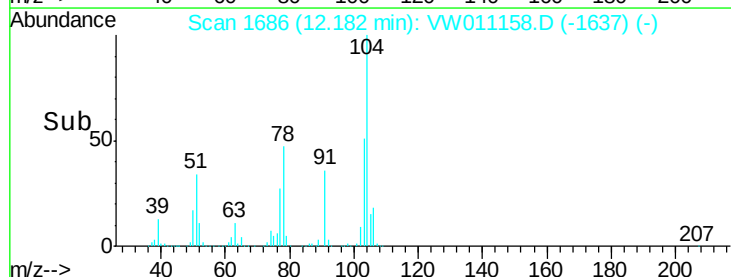
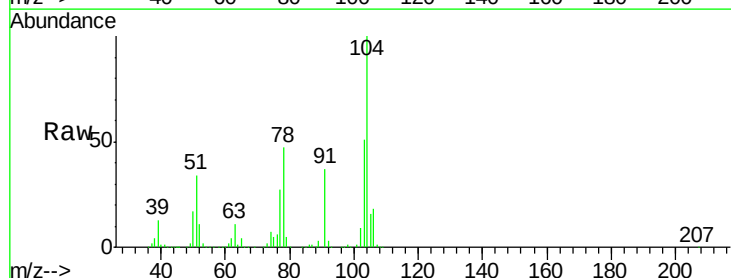
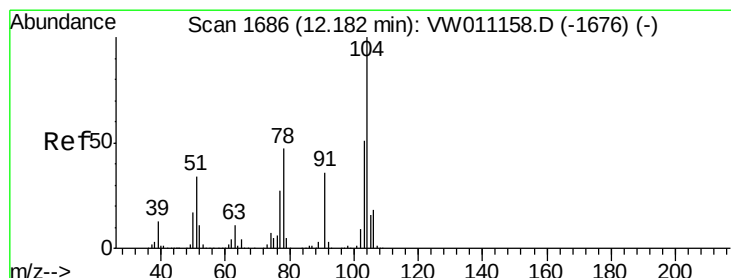
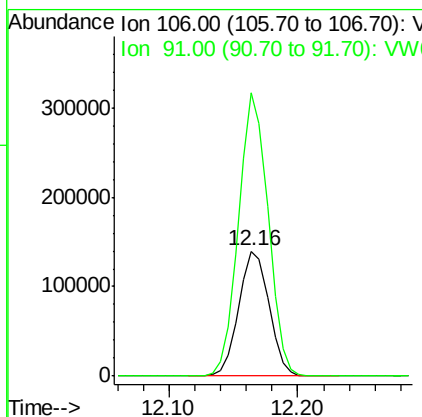
#69
o-Xylene
Concen: 52.558 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	227302		
91	221.4	110.7	332.1	

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

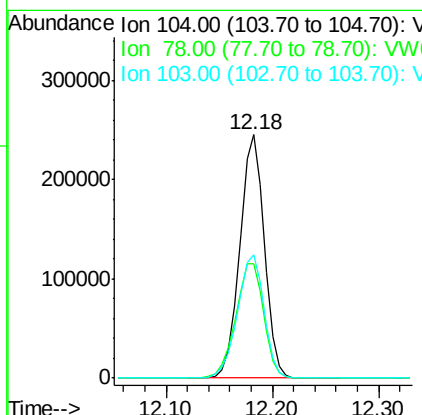
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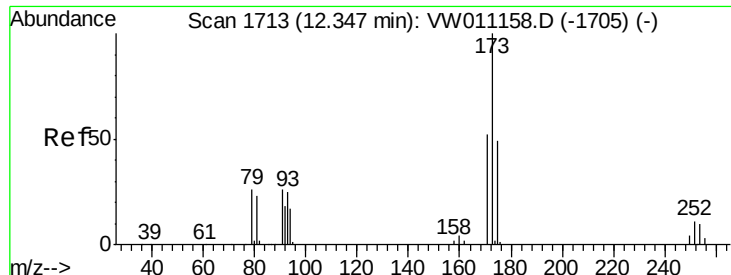
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#70
Styrene
Concen: 53.066 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	396073		
78	53.9	43.1	64.7	
103	55.1	44.1	66.1	





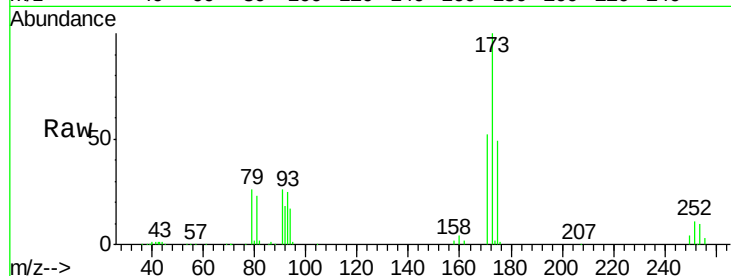
#71
Bromoform
Concen: 51.508 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

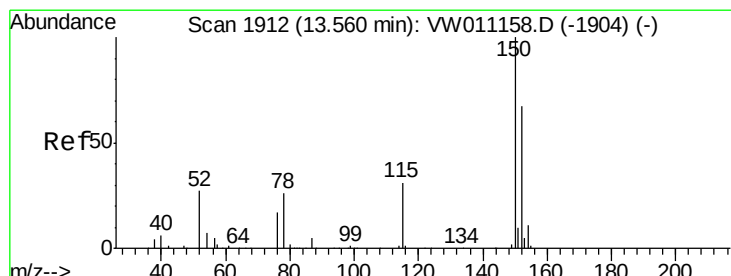
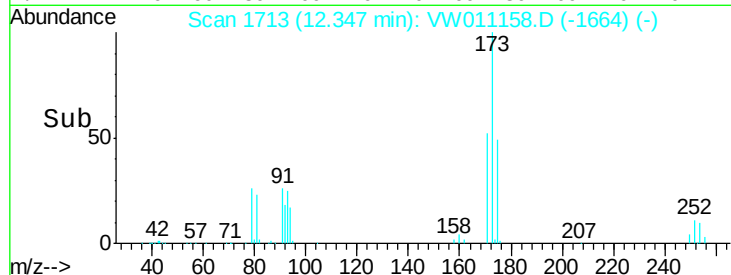
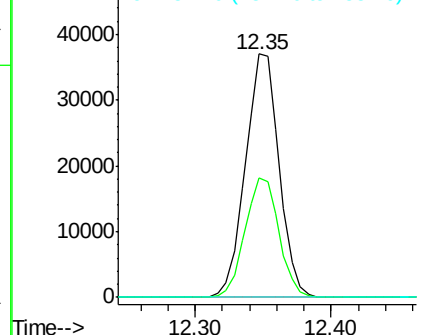
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.0	0.0	0.0

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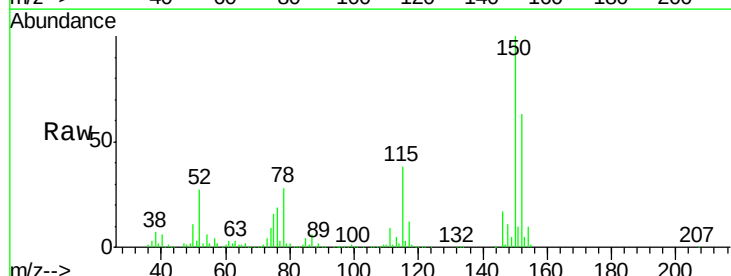


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

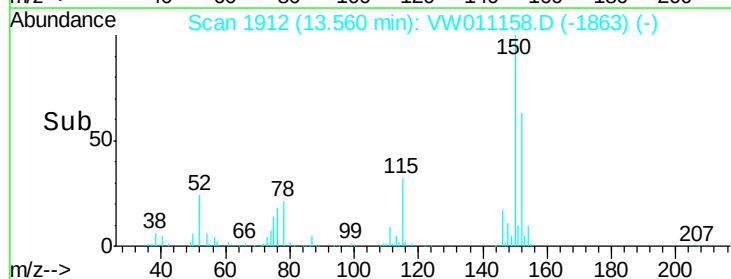
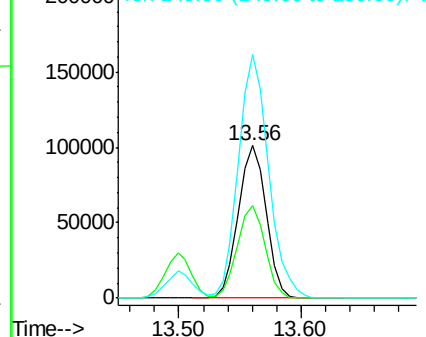


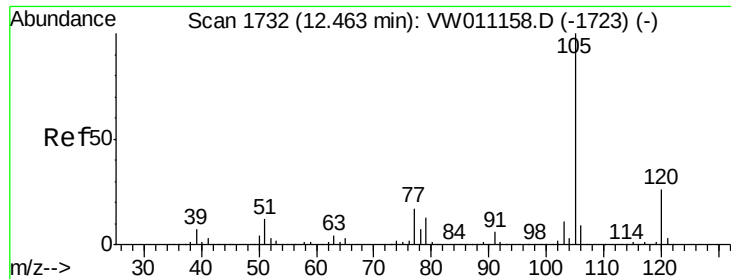
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	173.0	0.0	346.0



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





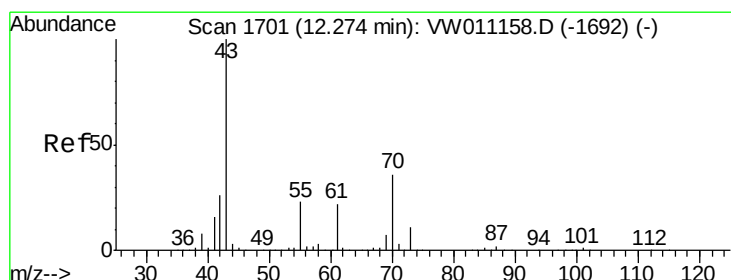
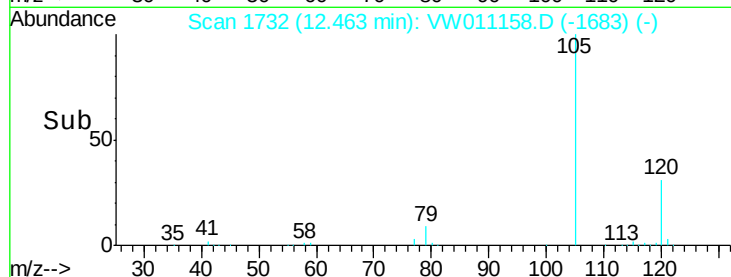
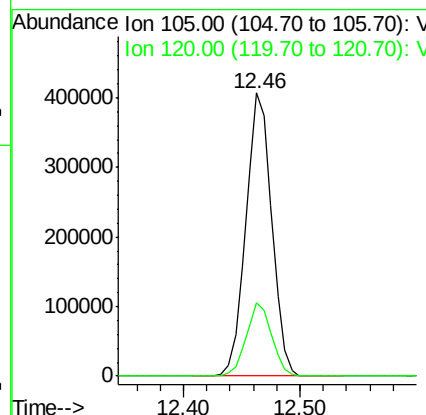
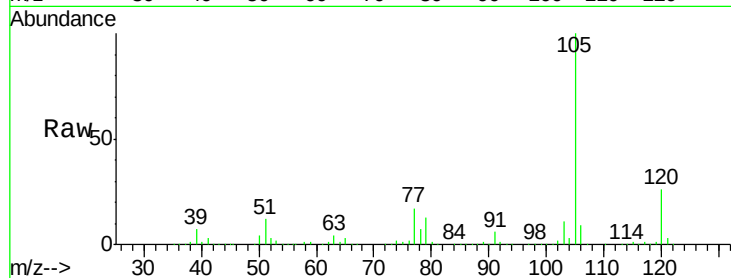
#73
Isopropylbenzene
Concen: 53.066 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 105 Resp: 631146
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.3

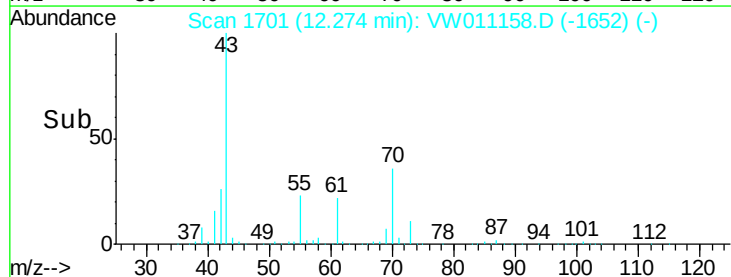
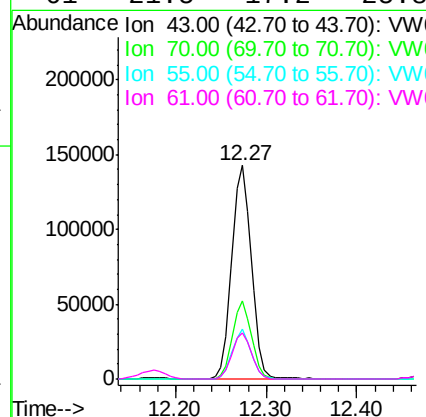
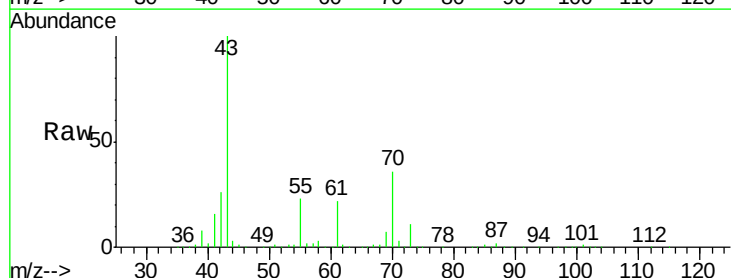
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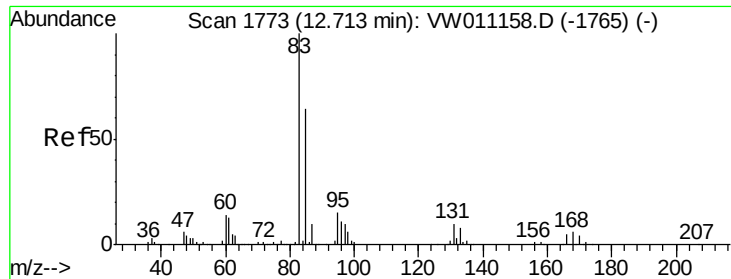
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#74
N-ethyl acetate
Concen: 51.650 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion: 43 Resp: 213947
Ion Ratio Lower Upper
43 100
70 35.6 28.5 42.7
55 22.6 18.1 27.1
61 21.5 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.732 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

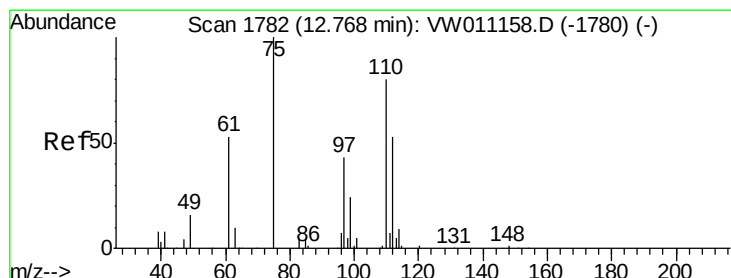
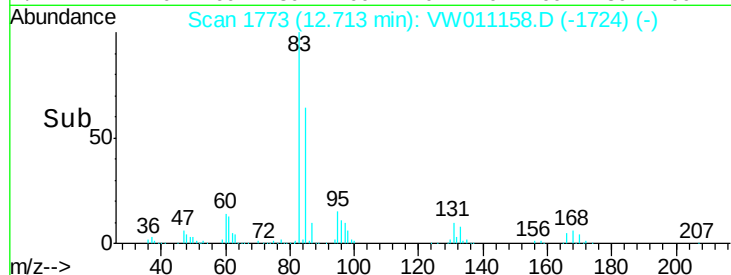
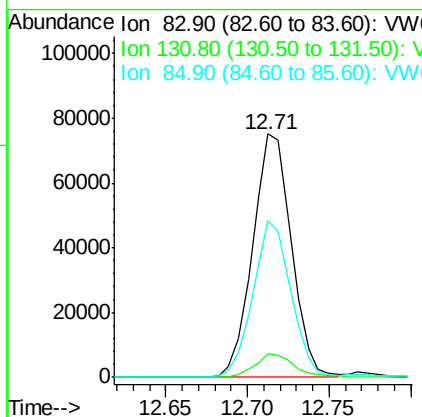
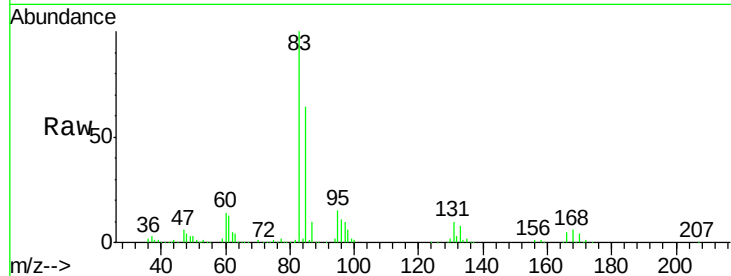
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	123685
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.2	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.974 ug/l m

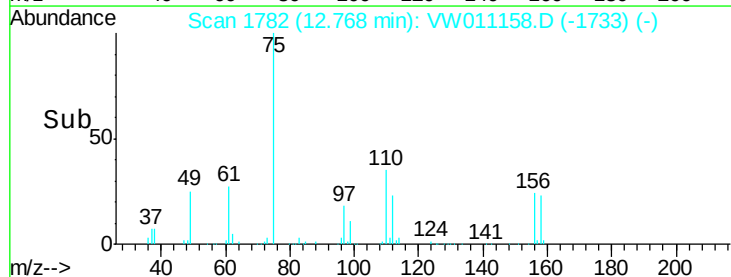
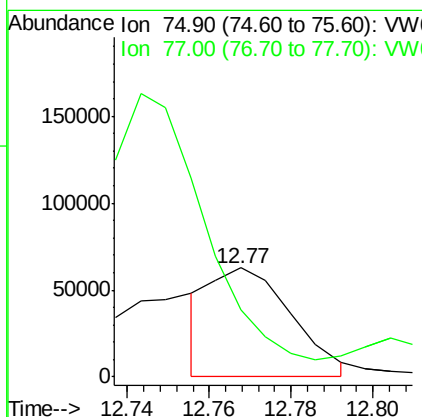
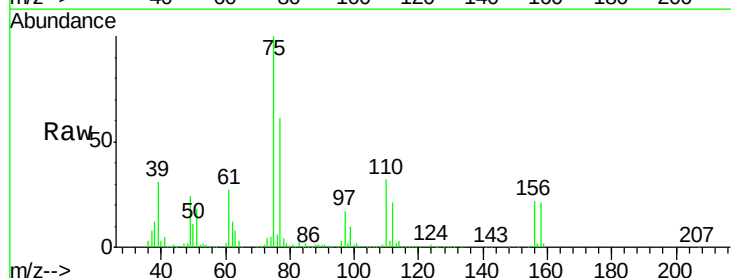
RT: 12.77 min Scan# 1782

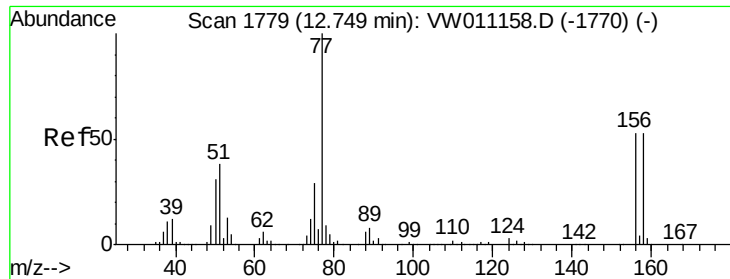
Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Tgt Ion:	75	Resp:	86602
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.376 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 137130

Ion Ratio Lower Upper

156 100

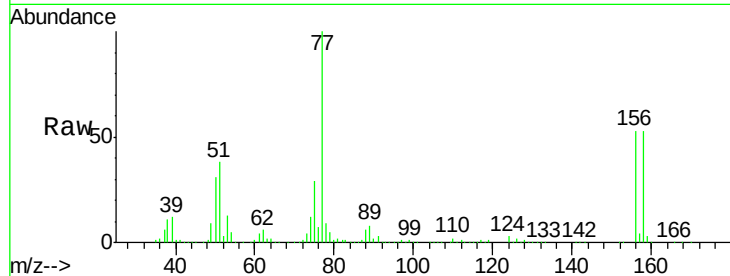
77 218.0 109.0 327.0

158 97.5 48.8 146.3

Manual Integrations
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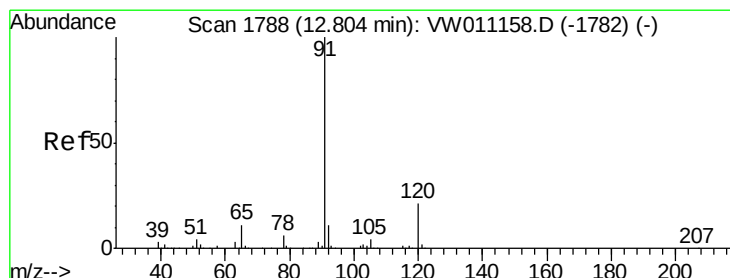
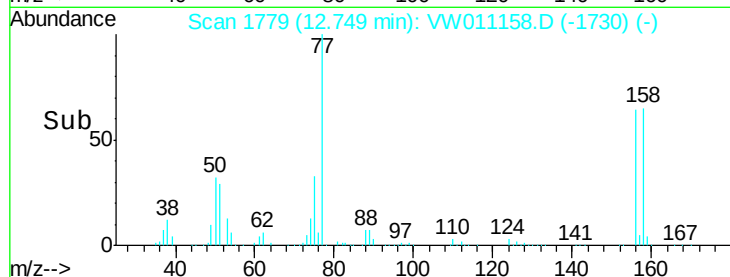
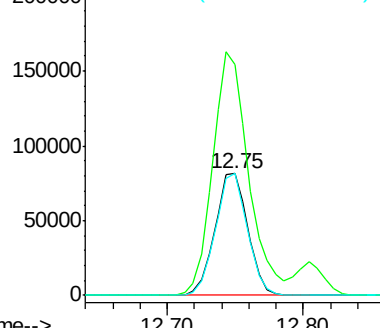
7/9/2019 4:12:52 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.900 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011158.D

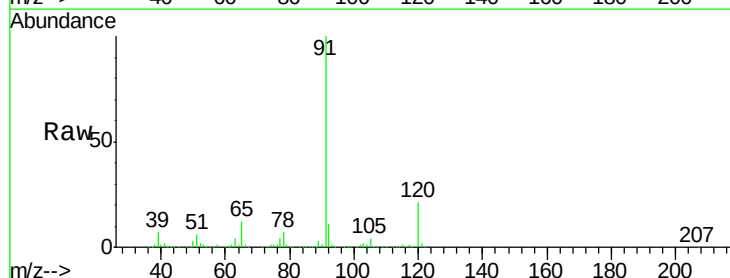
Acq: 08 Jul 2019 12:01

Tgt Ion: 91 Resp: 775047

Ion Ratio Lower Upper

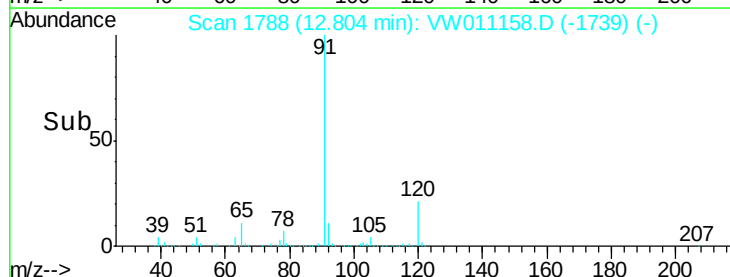
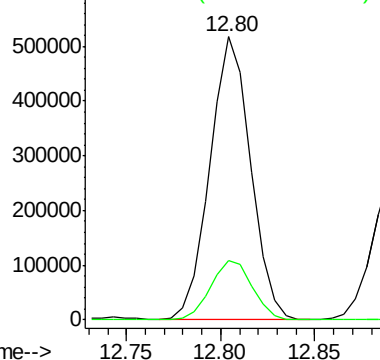
91 100

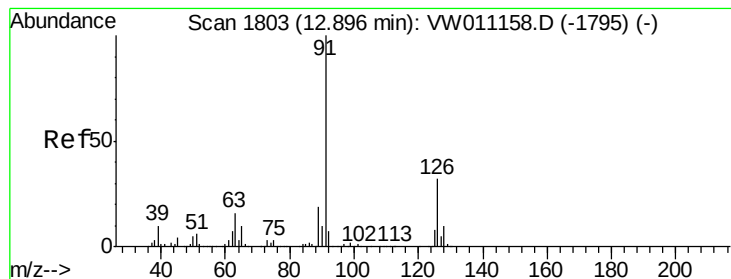
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.239 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 440426

Ion Ratio Lower Upper

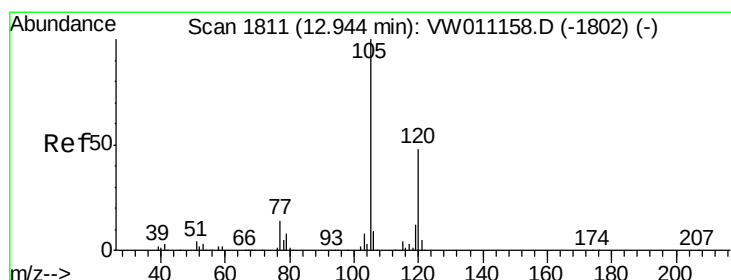
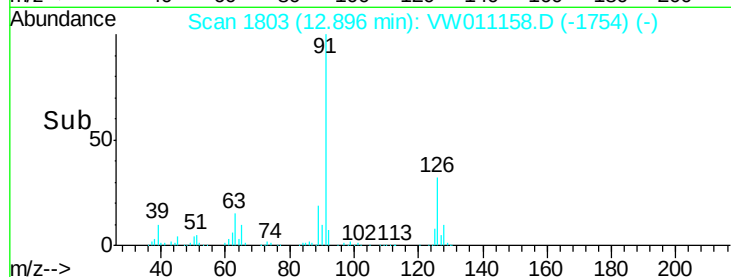
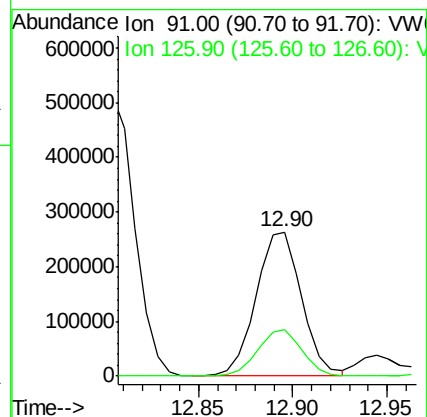
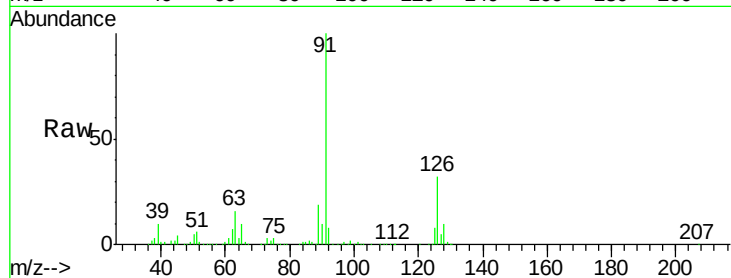
91 100

126 31.5 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 52.845 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011158.D

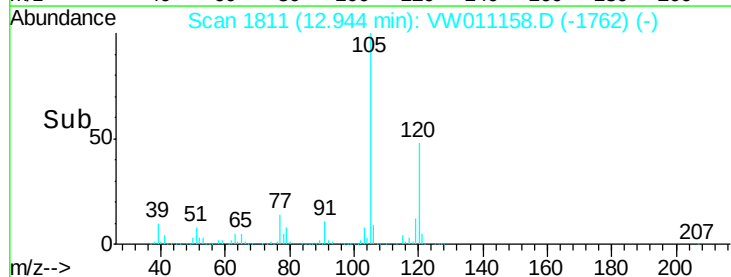
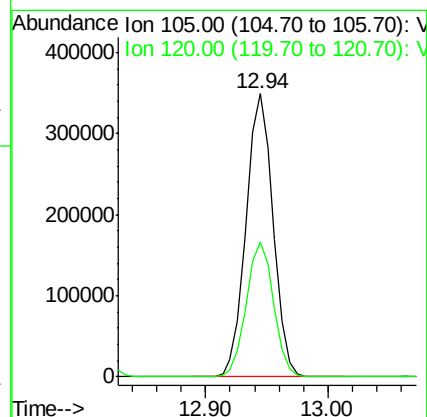
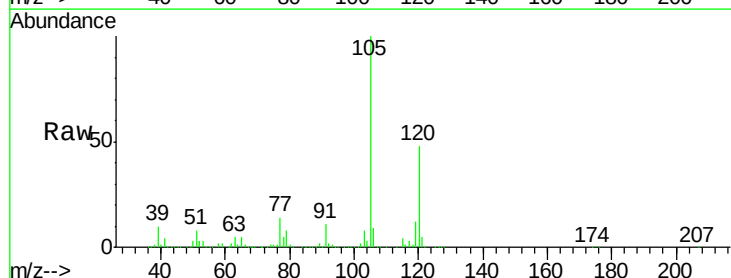
Acq: 08 Jul 2019 12:01

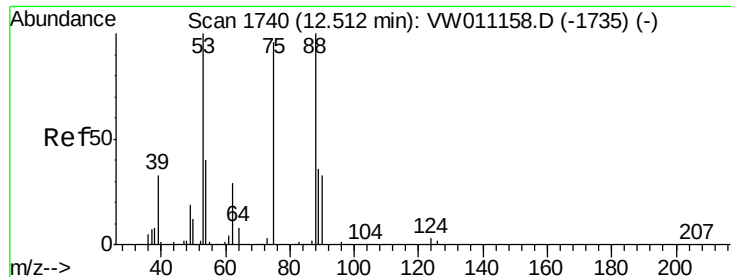
Tgt Ion: 105 Resp: 533956

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





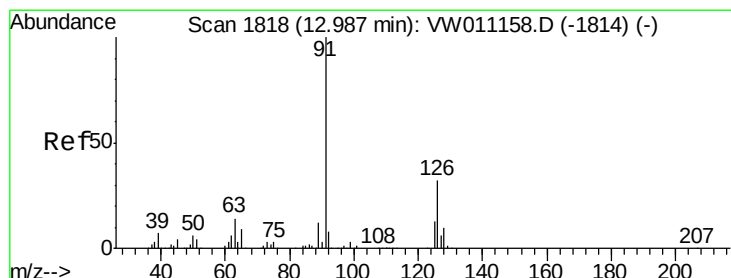
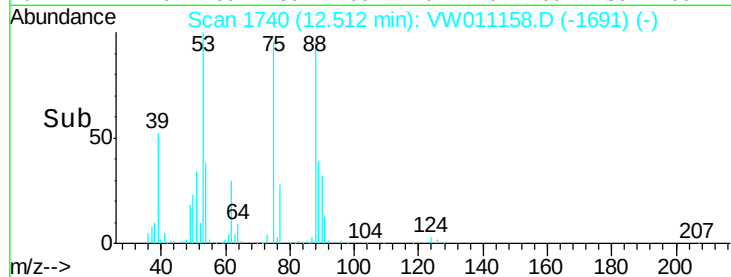
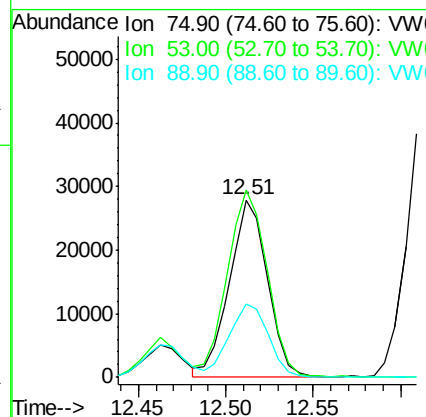
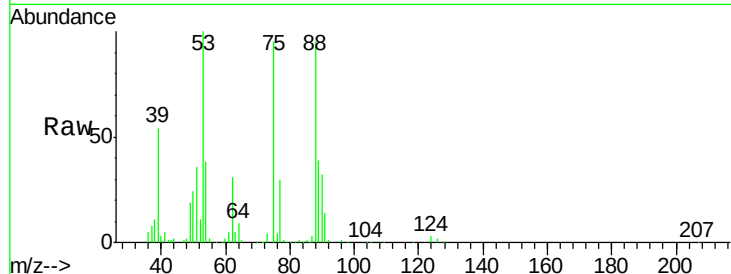
#81
trans-1,4-Dichloro-2-butene
Concen: 51.440 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.2	89.8	134.6
89	42.9	34.3	51.5

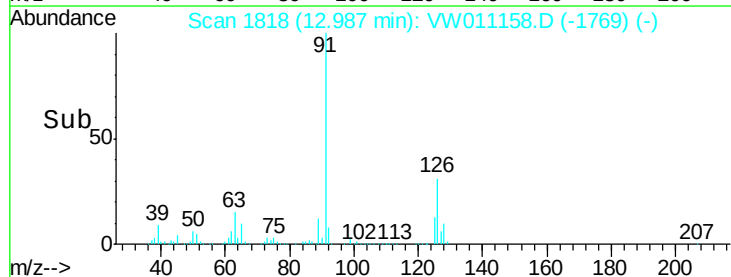
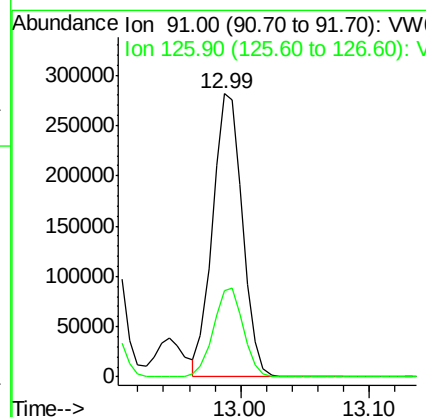
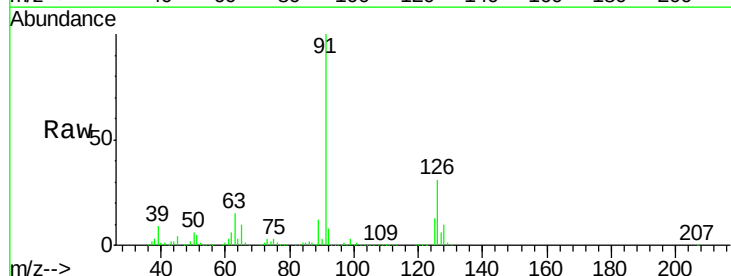
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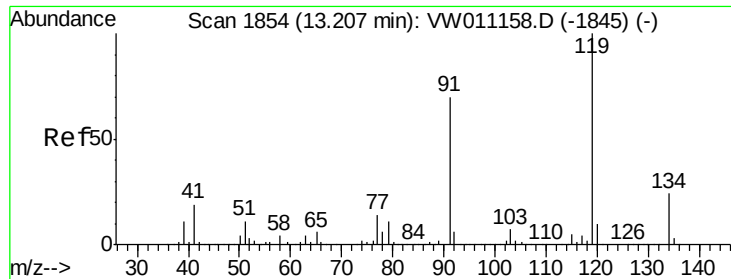
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#82
4-Chlorotoluene
Concen: 51.824 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





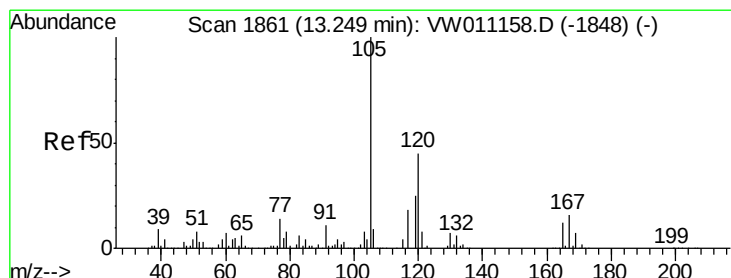
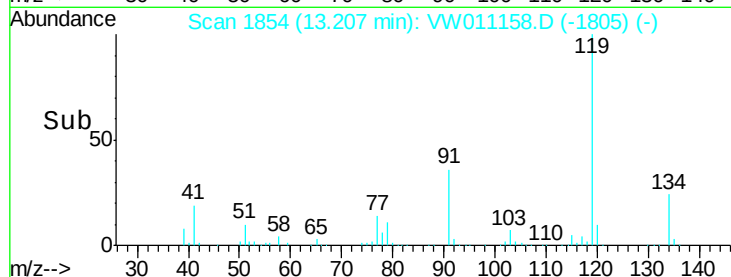
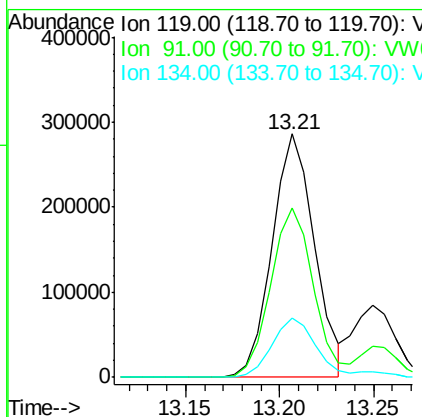
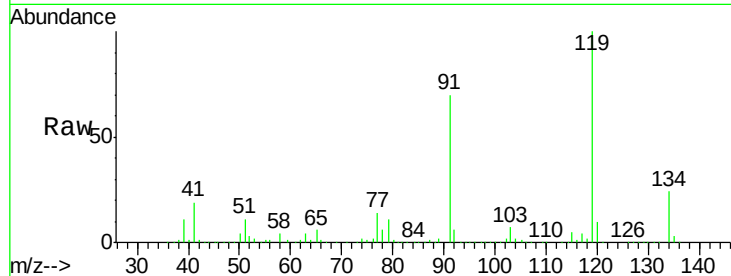
#83
tert-Butylbenzene
Concen: 52.938 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	446098		
91	70.9	35.4	106.3	
134	26.8	13.4	40.2	

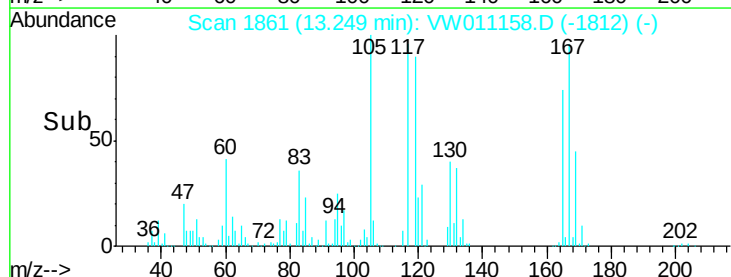
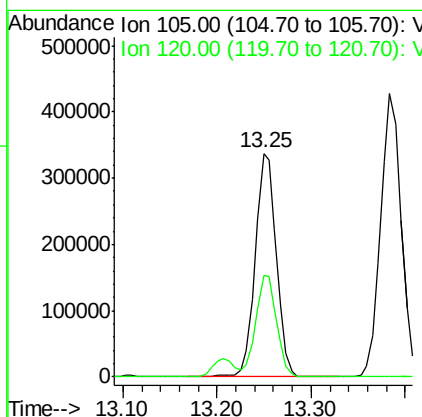
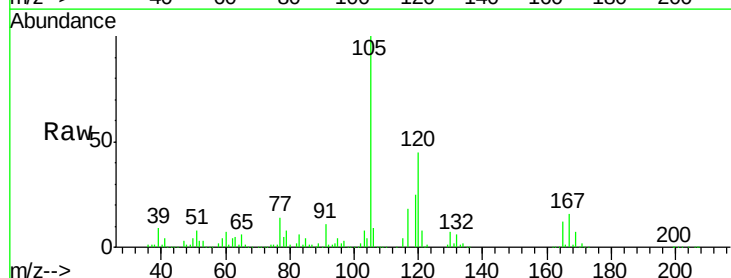
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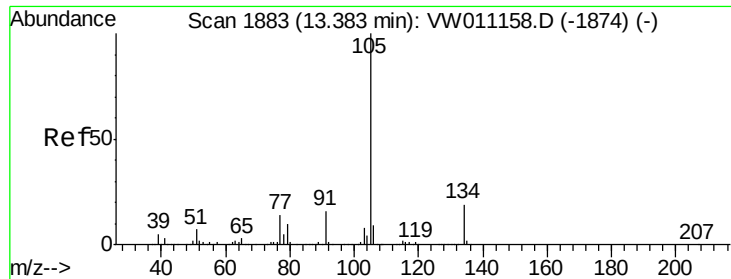
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#84
1,2,4-Trimethylbenzene
Concen: 52.499 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	532647		
120	44.6	22.3	66.9	





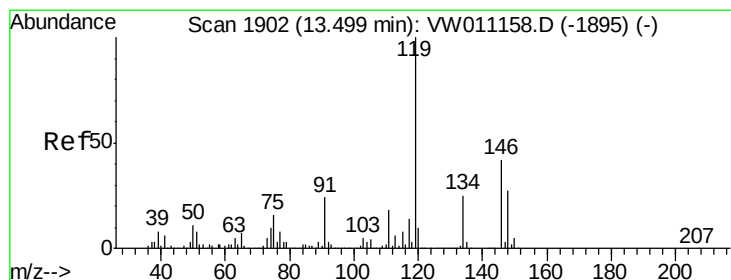
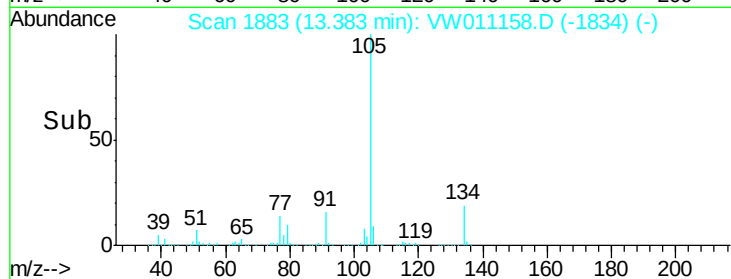
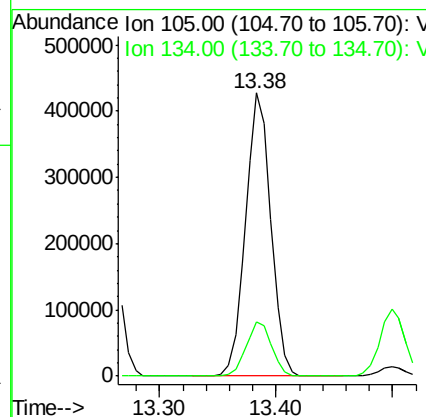
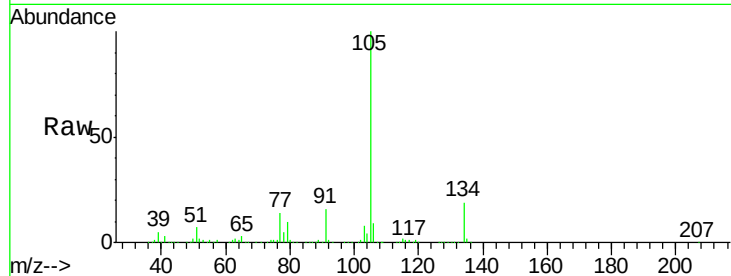
#85
 sec-Butylbenzene
 Concen: 53.173 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

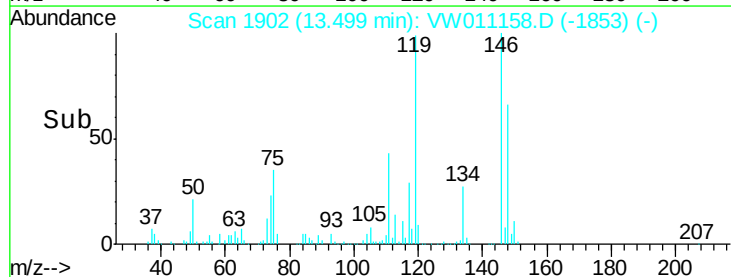
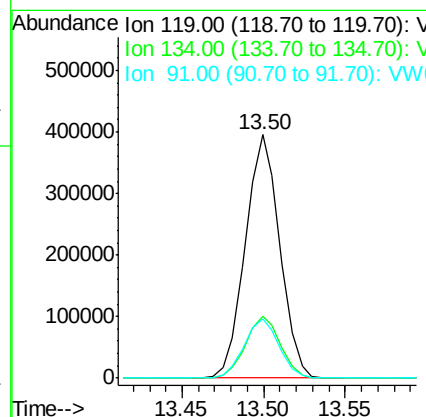
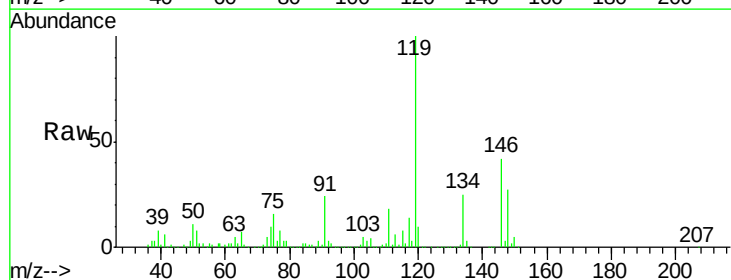
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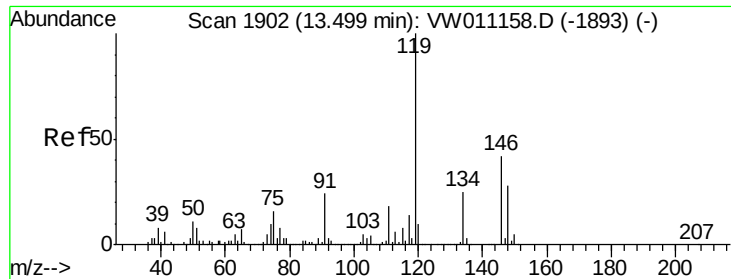
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 7/9/2019 4:12:52 PM



#86
 p-Isopropyltoluene
 Concen: 53.344 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	24.5	12.3	36.8





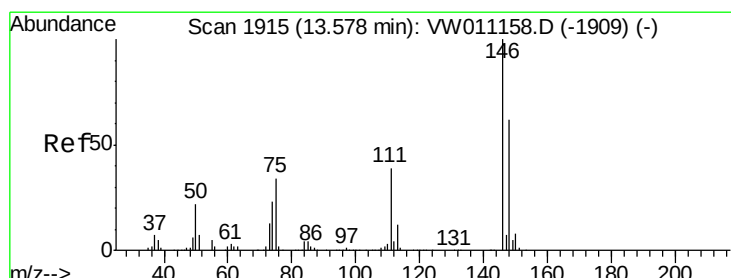
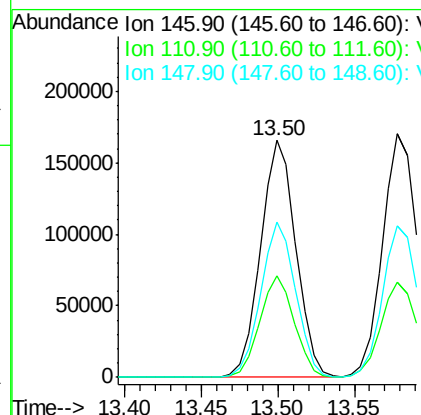
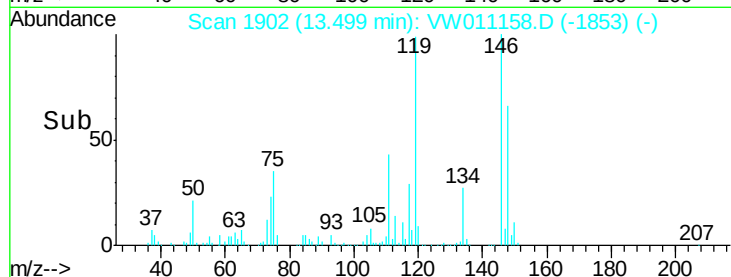
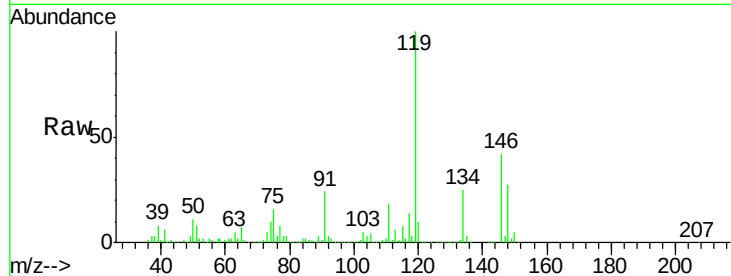
#87
 1,3-Dichlorobenzene
 Concen: 51.669 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	265339		
111	42.1		21.1	63.1
148	65.1		32.6	97.7

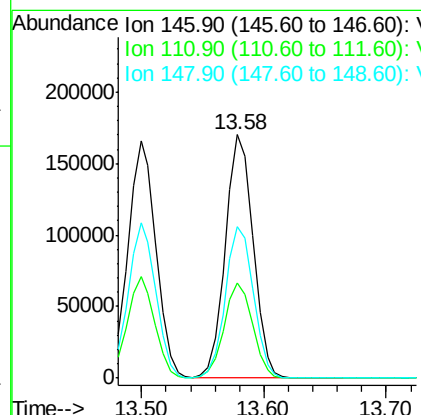
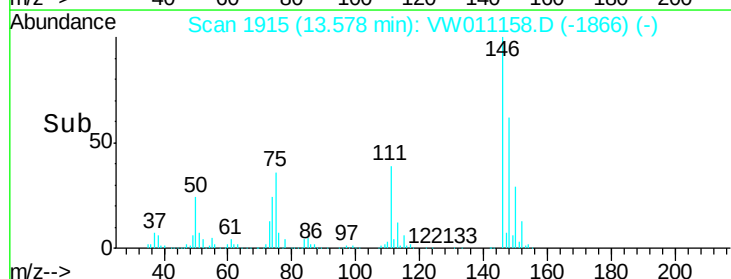
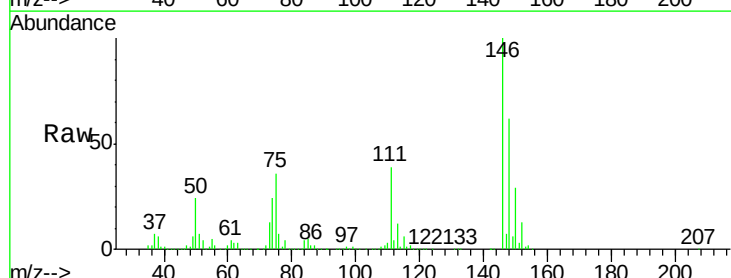
Manual Integrations
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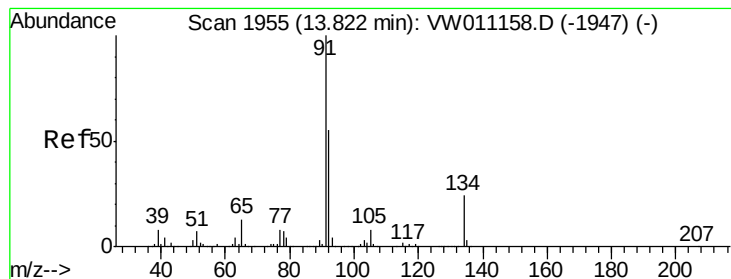
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#88
 1,4-Dichlorobenzene
 Concen: 51.868 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	268220		
111	39.8		19.9	59.7
148	63.0		31.5	94.5





#89

n-Butylbenzene

Concen: 53.921 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Instrument :

MSVOA_W

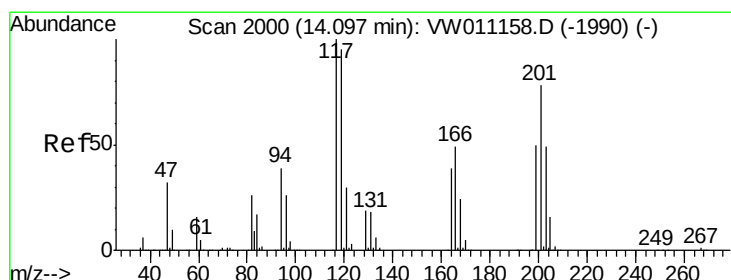
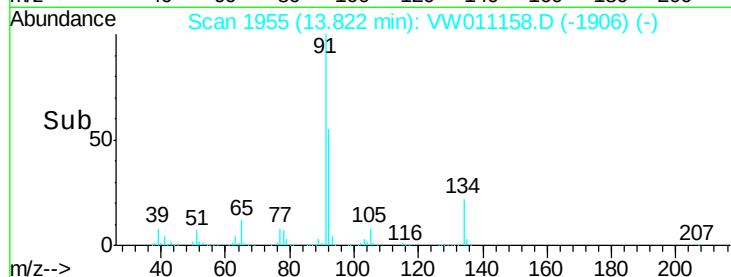
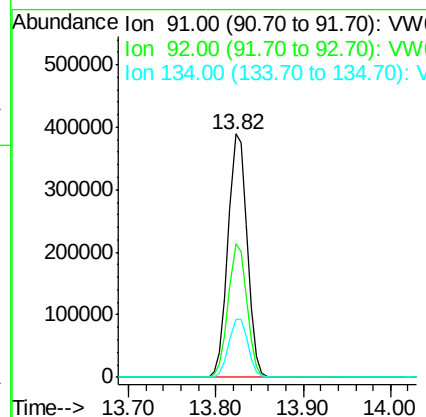
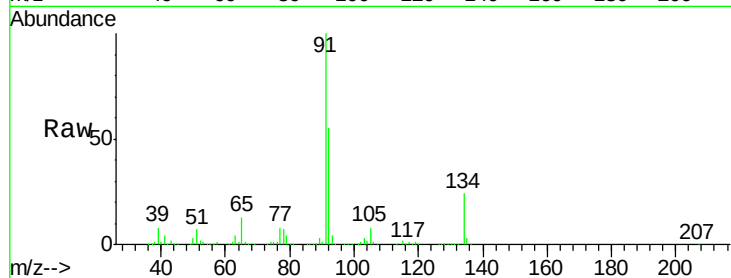
ClientSampleId :

VSTDICCC050

Tot Ion:	91	Resp:	586639
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	24.3	12.2	36.4

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#90

Hexachloroethane

Concen: 52.782 ug/l

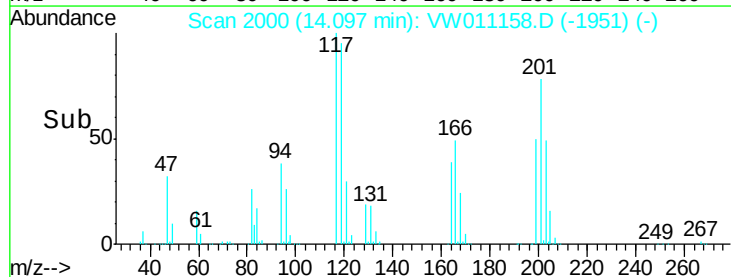
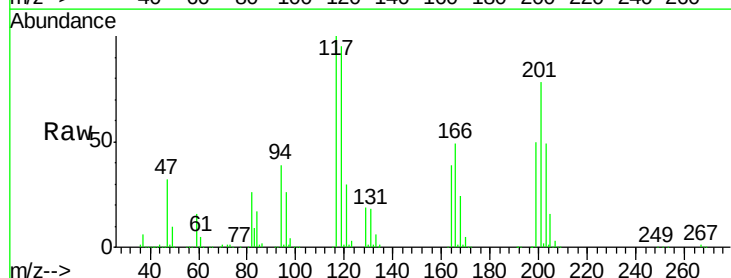
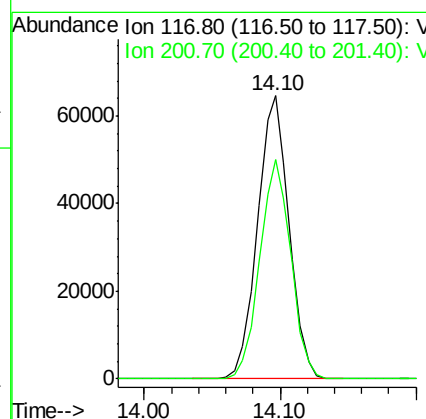
RT: 14.10 min Scan# 2000

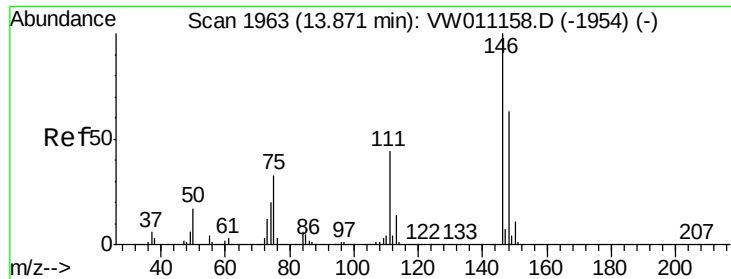
Delta R.T. 0.00 min

Lab File: VW011158.D

Acq: 08 Jul 2019 12:01

Tgt Ion:	117	Resp:	105191
Ion	Ratio	Lower	Upper
117	100		
201	76.5	38.3	114.8





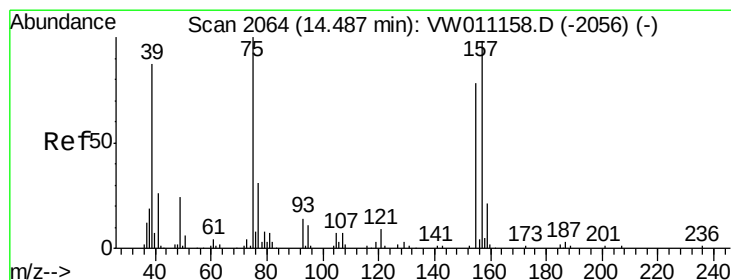
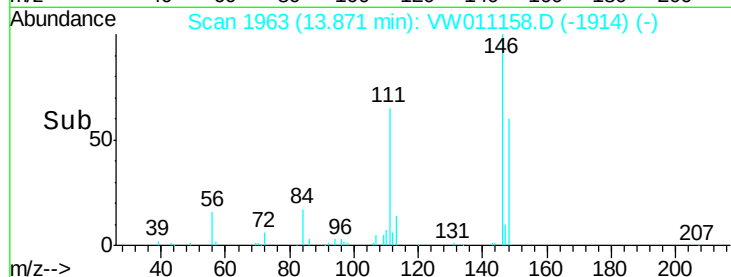
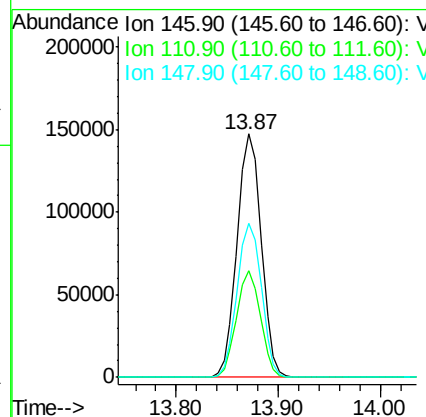
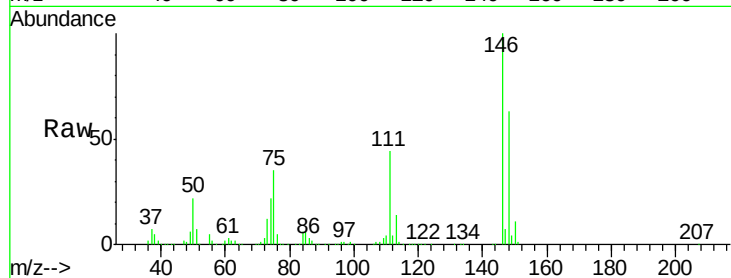
#91
 1,2-Dichlorobenzene
 Concen: 51.720 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.7	31.9	95.5

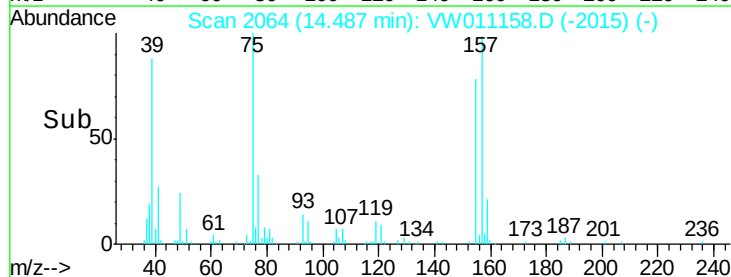
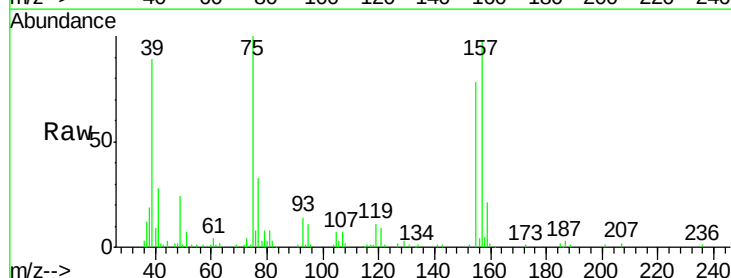
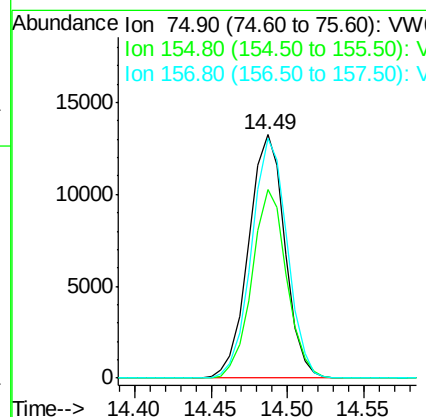
Manual Integrations
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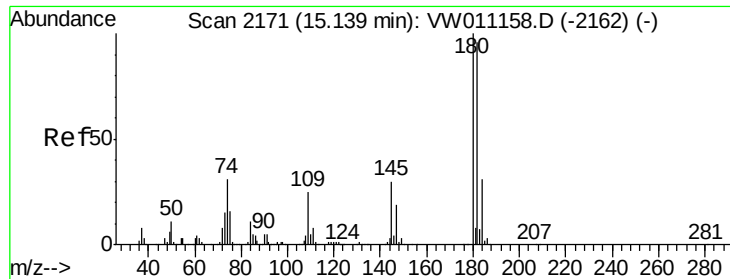
MMDadoda
 7/9/2019 4:12:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.432 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	37.1	111.3
157	97.1	48.5	145.6





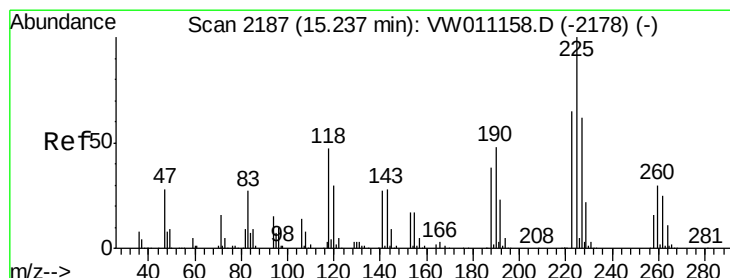
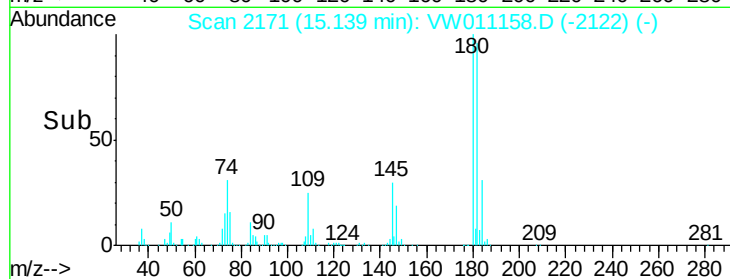
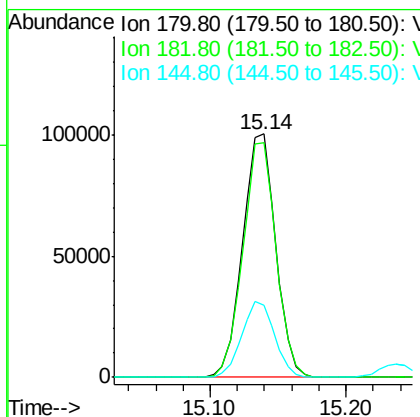
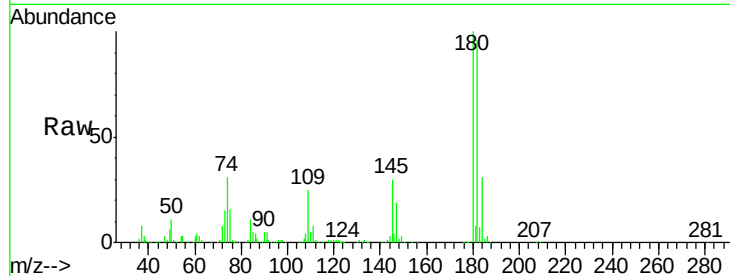
#93
 1,2,4-Trichlorobenzene
 Concen: 53.264 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170920		
182	96.6	48.3	144.9	
145	31.0	15.5	46.5	

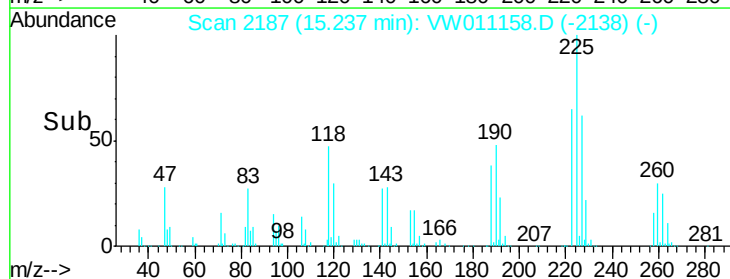
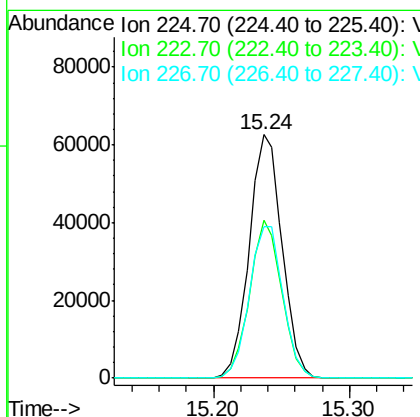
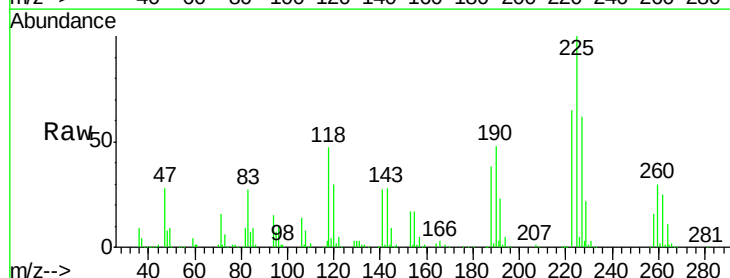
Manual Integrations
 APPROVED

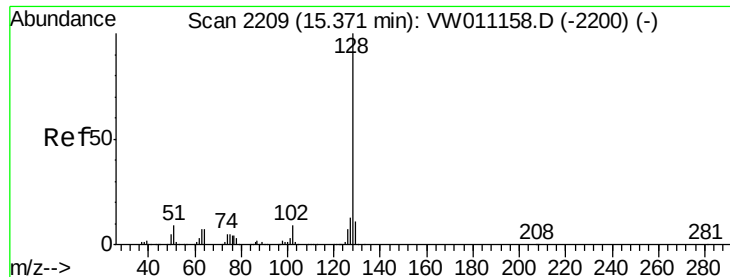
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 53.790 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011158.D
 Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105970		
223	63.3	31.6	95.0	
227	64.0	32.0	96.0	





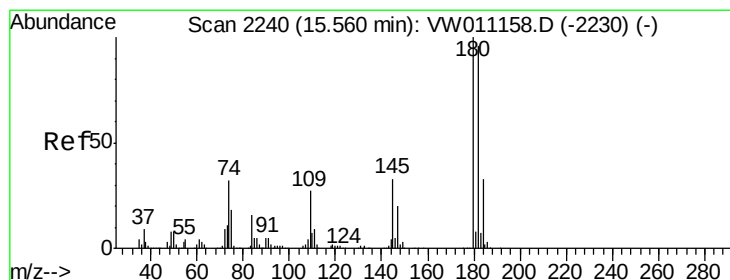
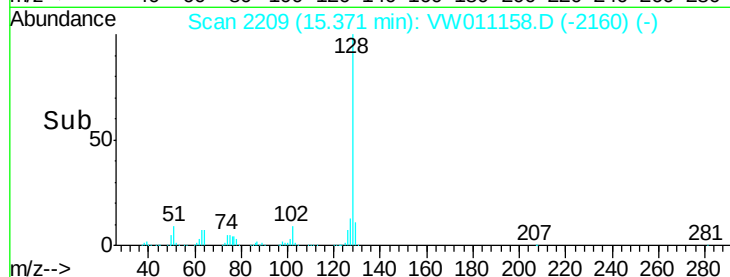
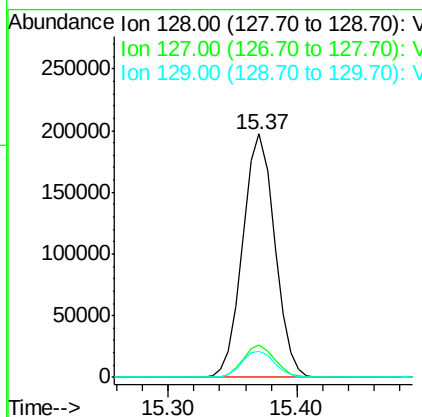
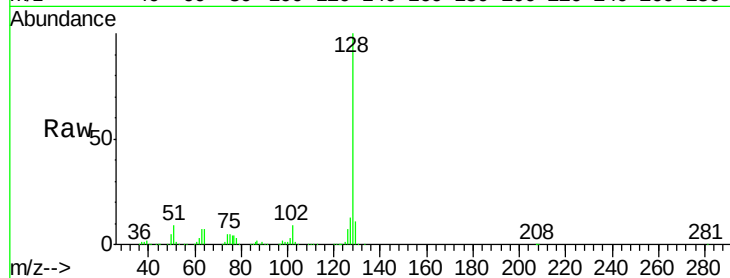
#95
Naphthalene
Concen: 55.220 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:12:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.570 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011158.D
Acq: 08 Jul 2019 12:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	33.0	16.5	49.5

