

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011486.D
 Acq On : 24 Jul 2019 20:10
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 8:18:15 AM

Quant Time: Jul 25 05:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	127028	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	
35) Dibromofluoromethane	7.88	113	103465	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.32	98	418168	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.62	95	153225	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61496	36.628	ug/l	95
3) Chloromethane	2.21	50	96824	44.756	ug/l	96
4) Vinyl Chloride	2.36	62	123365	43.567	ug/l	98
5) Bromomethane	2.76	94	61074	42.924	ug/l	96
6) Chloroethane	2.91	64	69207	45.377	ug/l	94
7) Trichlorofluoromethane	3.24	101	53073	52.761	ug/l	99
8) Diethyl Ether	3.68	74	62992	45.258	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	106863	44.351	ug/l	100
10) Methyl Iodide	4.27	142	154126	46.509	ug/l	98
11) Tert butyl alcohol	5.17	59	48008	229.237	ug/l	98
12) 1,1-Dichloroethene	4.04	96	113569	45.413	ug/l	94
13) Acrolein	3.88	56	38423	230.404	ug/l	99
14) Allyl chloride	4.66	41	227533	49.894	ug/l	97
15) Acrylonitrile	5.36	53	169666	239.354	ug/l	100
16) Acetone	4.12	43	171938	252.624	ug/l	97
17) Carbon Disulfide	4.38	76	317638	41.896	ug/l	99
18) Methyl Acetate	4.67	43	89083	45.911	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	181921	47.943	ug/l	100
20) Methylene Chloride	4.92	84	131055	48.811	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	119243	45.888	ug/l	95
22) Diisopropyl ether	6.31	45	456594	46.551	ug/l	98
23) Vinyl Acetate	6.25	43	1456164	239.889	ug/l	100
24) 1,1-Dichloroethane	6.21	63	240461	46.687	ug/l	99
25) 2-Butanone	7.16	43	255962	239.580	ug/l	100
26) 2,2-Dichloropropane	7.16	77	125904	47.026	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	131607	46.950	ug/l	99
28) Bromochloromethane	7.51	49	100484	42.906	ug/l #	98
29) Tetrahydrofuran	7.52	42	162289	231.661	ug/l	100
30) Chloroform	7.67	83	219402	45.997	ug/l	98
31) Cyclohexane	7.96	56	233927	42.692	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	167587	46.187	ug/l	99
36) 1,1-Dichloropropene	8.08	75	178866	46.316	ug/l	100
37) Ethyl Acetate	7.25	43	107765	46.444	ug/l	100
38) Carbon Tetrachloride	8.07	117	151993	46.427	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	216144	46.177	ug/l	99
40) Benzene	8.32	78	504275	47.249	ug/l	99
41) Methacrylonitrile	7.48	41	68012	51.250	ug/l	92
42) 1,2-Dichloroethane	8.40	62	157587	45.517	ug/l	99
43) Isopropyl Acetate	8.42	43	204261	46.627	ug/l	100
44) Trichloroethene	9.09	130	122638	47.750	ug/l	99
45) 1,2-Dichloropropane	9.37	63	137286	47.501	ug/l	99
46) Dibromomethane	9.46	93	63685	46.908	ug/l	97
47) Bromodichloromethane	9.65	83	161762	46.567	ug/l	98
48) Methyl methacrylate	9.43	41	99278	47.106	ug/l	98
49) 1,4-Dioxane	9.44	88	21442	946.185	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	546116	238.647	ug/l	100
52) Toluene	10.39	92	309557	47.814	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	167634	45.336	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	200428	46.051	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90505	46.990	ug/l	97
56) Ethyl methacrylate	10.65	69	138547	47.248	ug/l	96
57) 1,3-Dichloropropane	10.93	76	168674	46.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	334477	246.041	ug/l	99
59) 2-Hexanone	10.97	43	377762	238.036	ug/l	99
60) Dibromochloromethane	11.13	129	98487	46.631	ug/l	100
61) 1,2-Dibromoethane	11.23	107	85190	46.695	ug/l	100
64) Tetrachloroethene	10.86	164	102331	47.429	ug/l	97
65) Chlorobenzene	11.66	112	309074	47.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	109416	47.802	ug/l	98
67) Ethyl Benzene	11.73	91	598266	48.073	ug/l	98
68) m/p-Xylenes	11.84	106	438612	97.403	ug/l	98
69) o-Xylene	12.16	106	204358	48.150	ug/l	99
70) Styrene	12.18	104	360512	49.218	ug/l	99
71) Bromoform	12.35	173	56859	46.721	ug/l #	98
73) Isopropylbenzene	12.46	105	569743	48.802	ug/l	100
74) N-amyl acetate	12.27	43	188201	46.287	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	110453	46.155	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	78510m	43.501	ug/l	
77) Bromobenzene	12.75	156	124670	47.585	ug/l	98
78) n-propylbenzene	12.80	91	692468	48.150	ug/l	100
79) 2-Chlorotoluene	12.89	91	397733	48.060	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	476078	48.001	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35675	44.709	ug/l	97
82) 4-Chlorotoluene	12.99	91	414801	48.122	ug/l	100
83) tert-Butylbenzene	13.21	119	404051	48.848	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	476792	47.876	ug/l	100
85) sec-Butylbenzene	13.38	105	571440	47.877	ug/l	99
86) p-Isopropyltoluene	13.50	119	517845	48.373	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	240324	47.676	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	239130	47.110	ug/l	100
89) n-Butylbenzene	13.82	91	516455	48.361	ug/l	99
90) Hexachloroethane	14.09	117	90231	46.125	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	215279	47.075	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19002	44.765	ug/l	96

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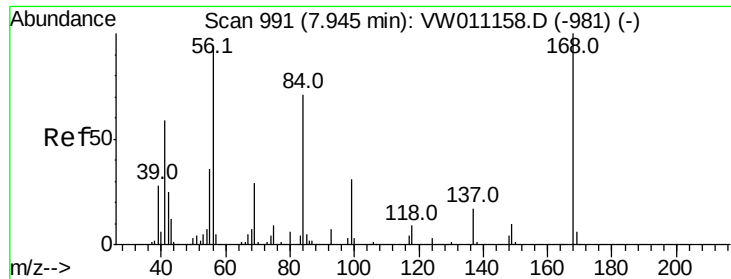
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	156662	49.737	ug/l	99
94) Hexachlorobutadiene	15.24	225	95206	49.233	ug/l	99
95) Naphthalene	15.37	128	298665	49.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	137537	49.476	ug/l	99

(#) = 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: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 225116

Ion Ratio Lower Upper

168 100

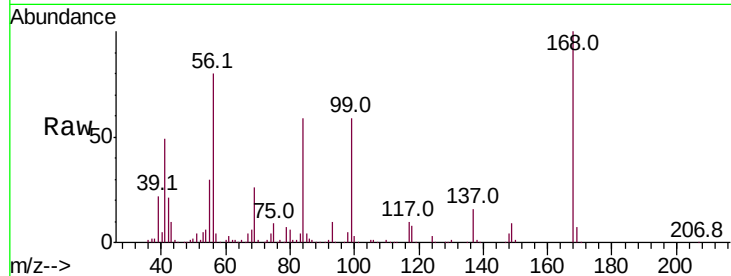
99 58.7 50.1 75.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

40000

20000

0

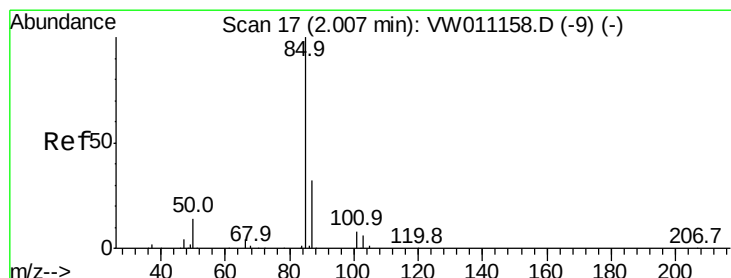
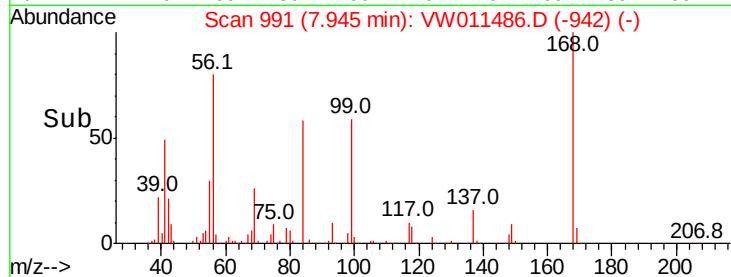
7.80

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 36.628 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011486.D

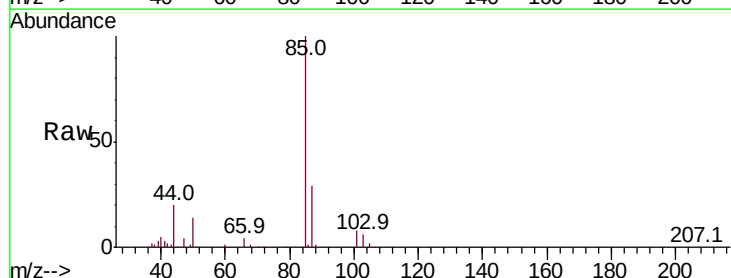
Acq: 24 Jul 2019 20:10

Tgt Ion: 85 Resp: 61496

Ion Ratio Lower Upper

85 100

87 29.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

15000

10000

5000

0

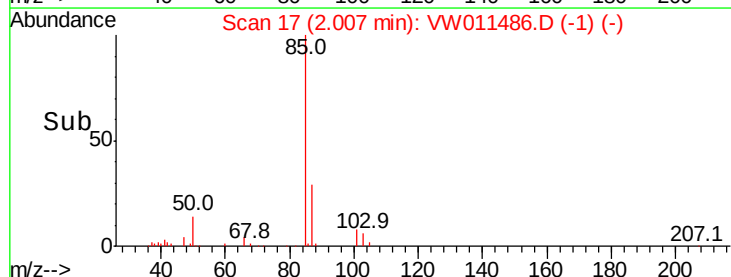
1.90

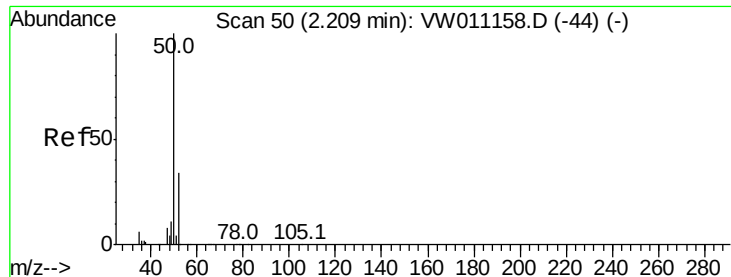
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 44.756 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96824

Ion Ratio Lower Upper

50 100

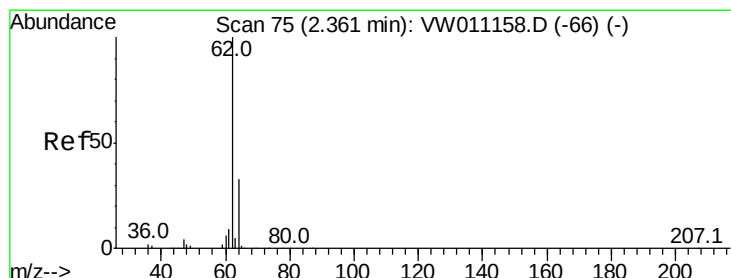
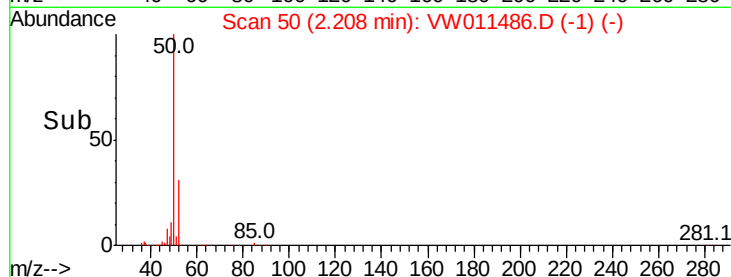
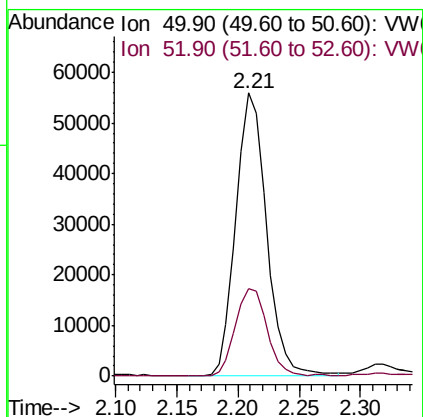
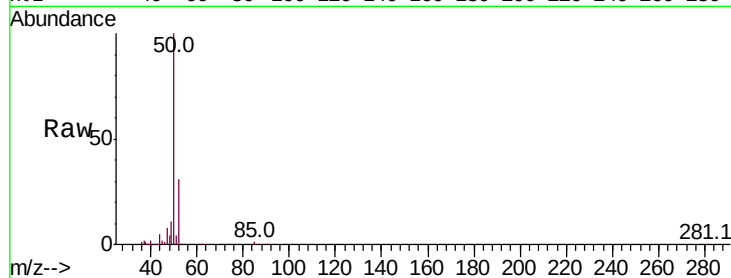
52 31.2 26.9 40.3

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#4

Vinyl Chloride

Concen: 43.567 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011486.D

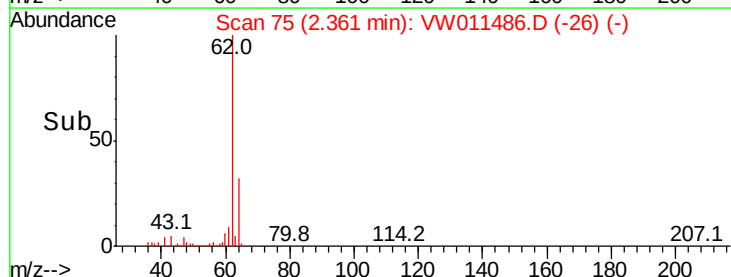
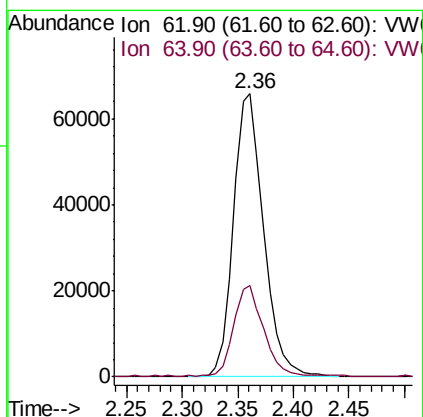
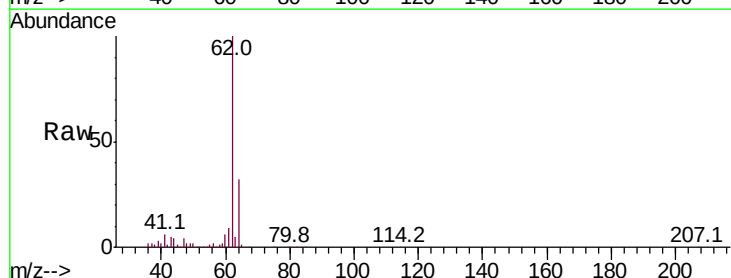
Acq: 24 Jul 2019 20:10

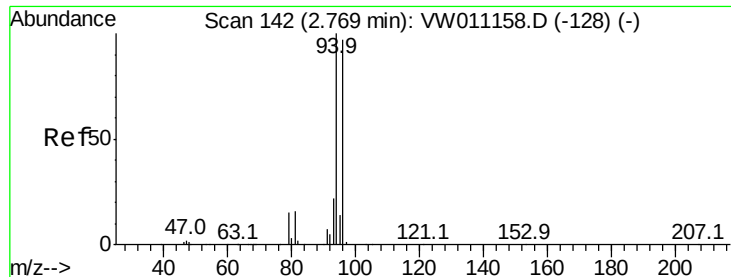
Tgt Ion: 62 Resp: 123365

Ion Ratio Lower Upper

62 100

64 31.9 26.6 40.0





#5

Bromomethane

Concen: 42.924 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61074

Ion Ratio Lower Upper

94 100

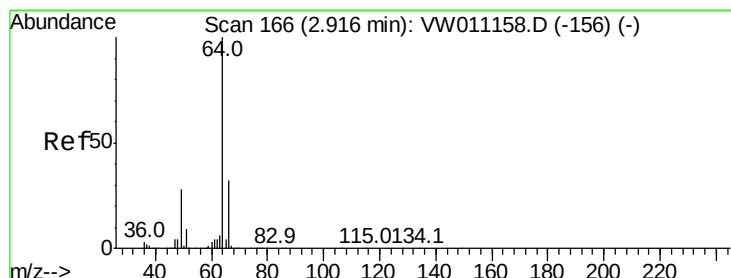
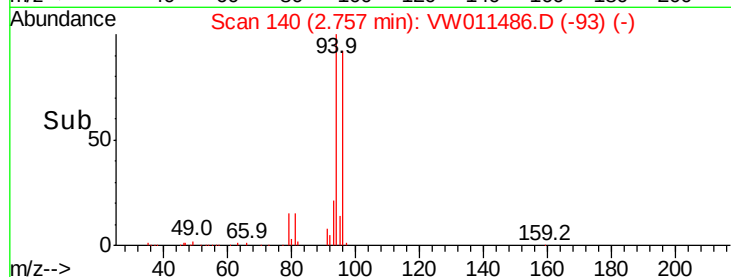
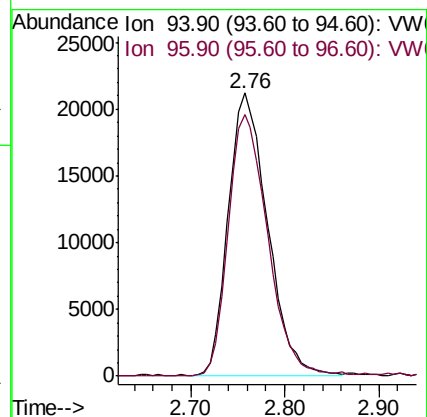
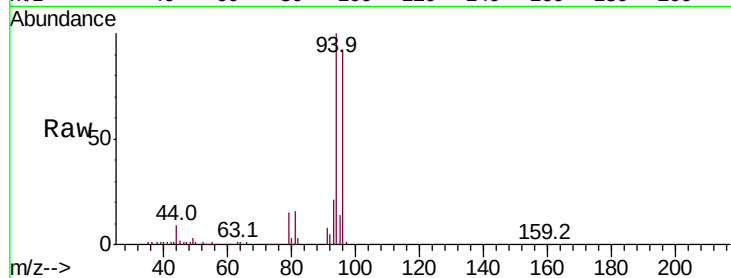
96 92.8 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 45.377 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011486.D

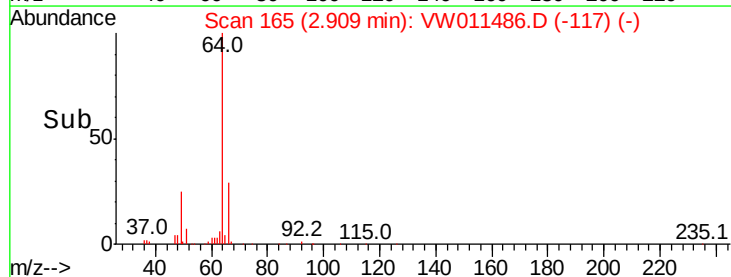
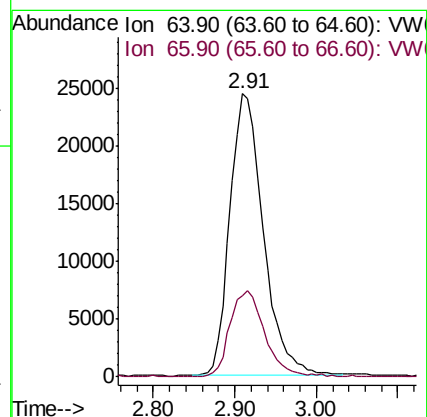
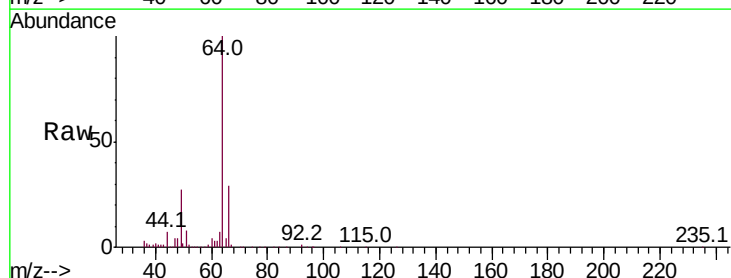
Acq: 24 Jul 2019 20:10

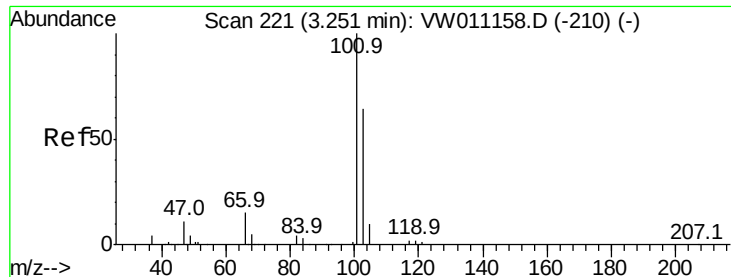
Tgt Ion: 64 Resp: 69207

Ion Ratio Lower Upper

64 100

66 28.7 25.8 38.8





#7

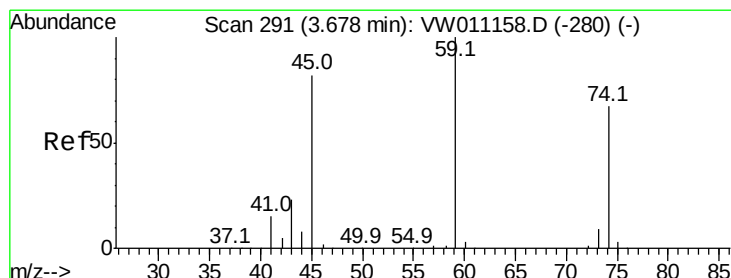
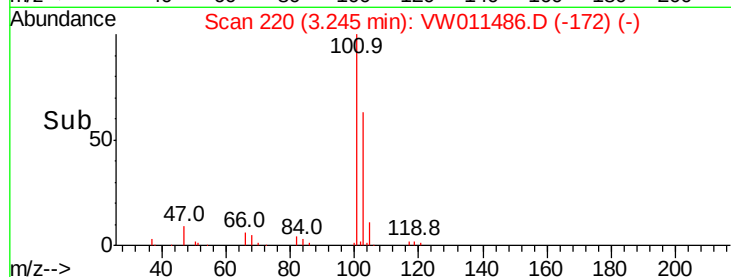
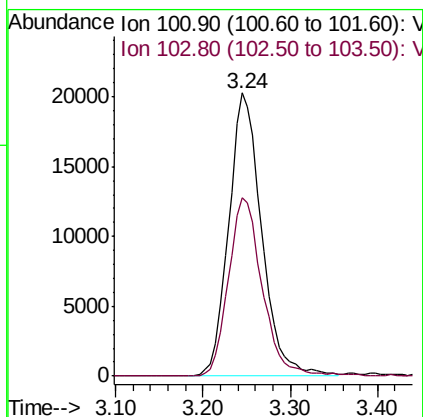
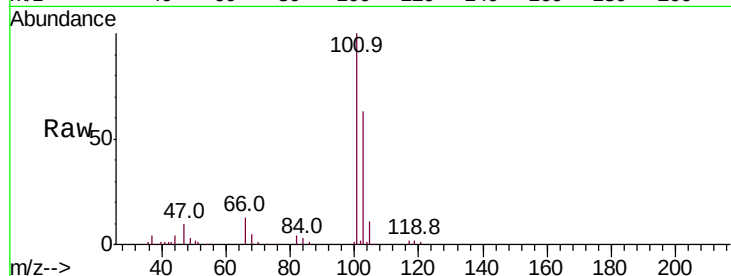
Trichlorofluoromethane
Concen: 52.761 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.3	76.9

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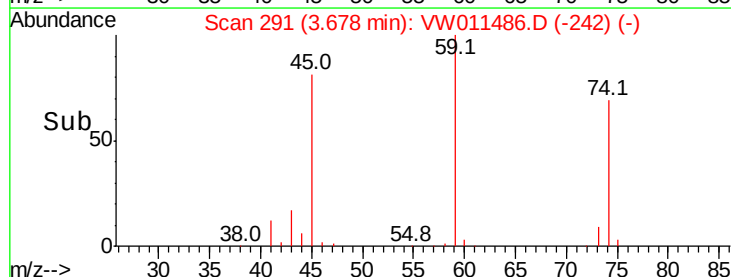
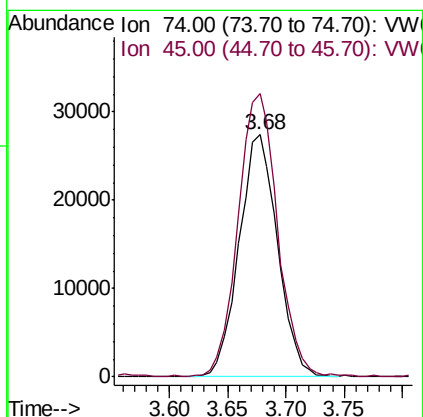
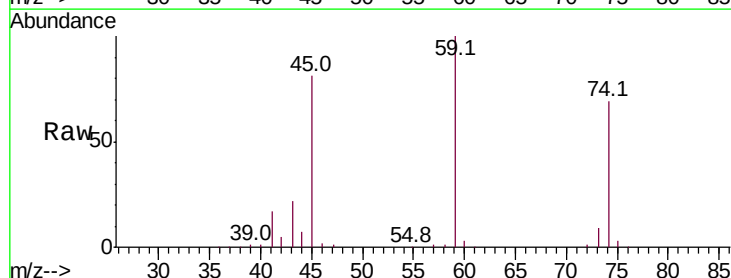
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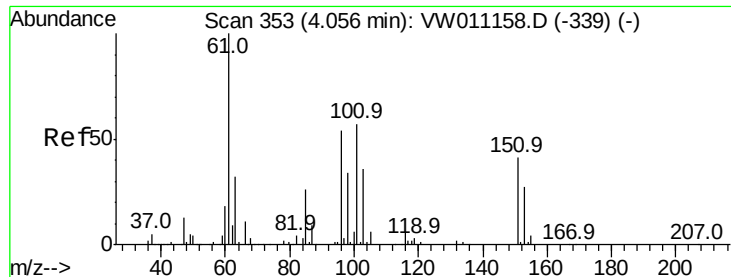


#8

Diethyl Ether
Concen: 45.258 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.5	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.351 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

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MSVOA_W

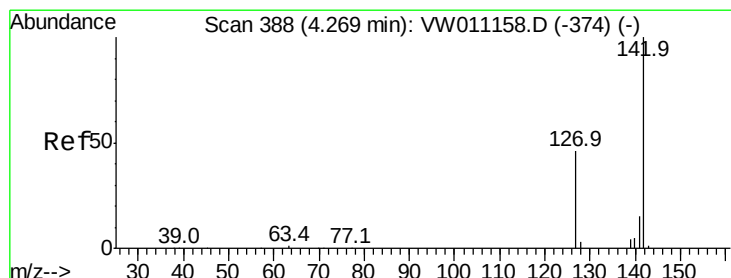
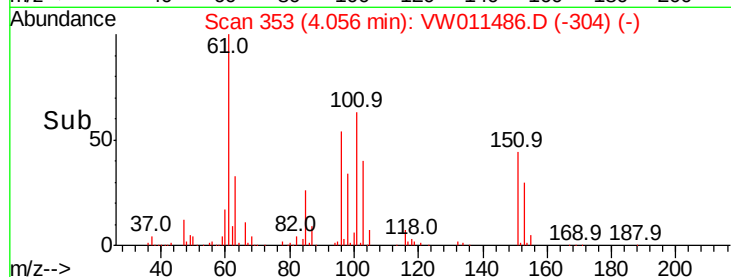
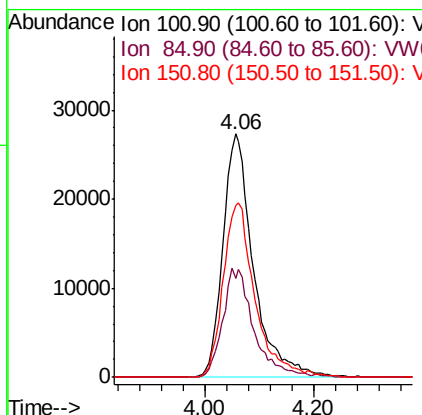
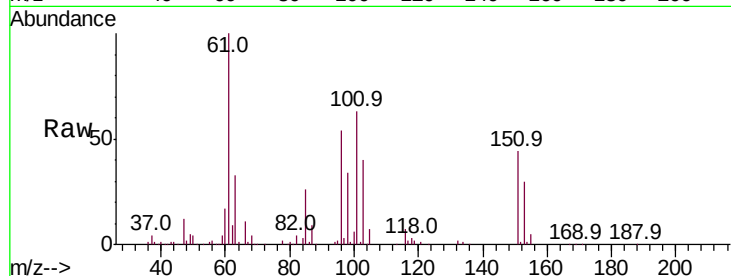
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	106863
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.5	54.7
151	74.2	59.1	88.7

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#10

Methyl Iodide

Concen: 46.509 ug/l

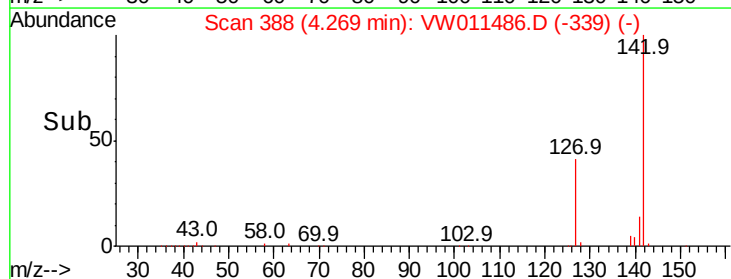
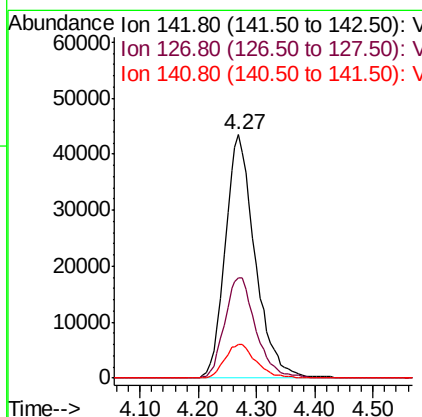
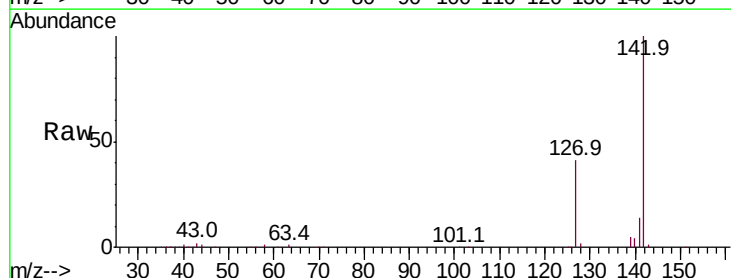
RT: 4.27 min Scan# 388

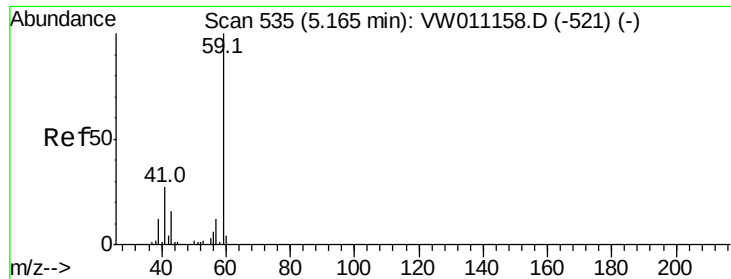
Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Tgt Ion:	142	Resp:	154126
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.7	53.5
141	14.7	11.5	17.3





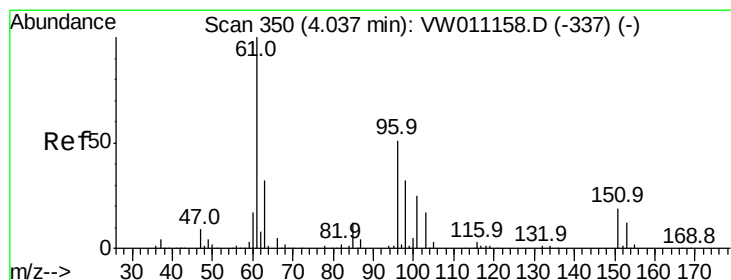
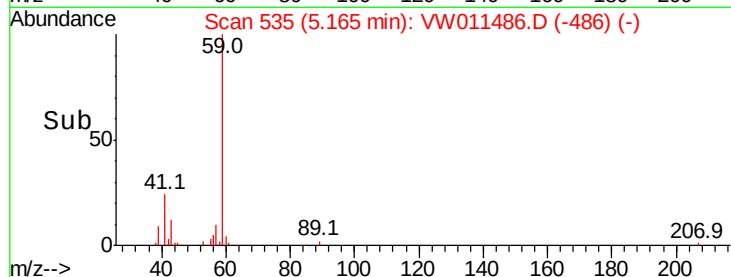
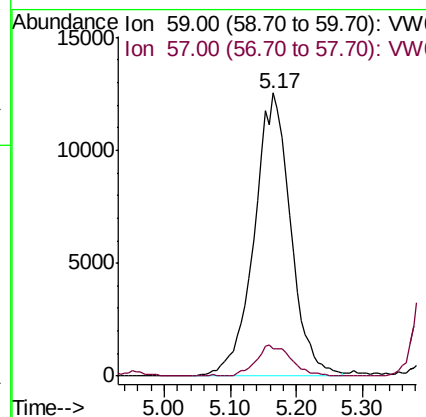
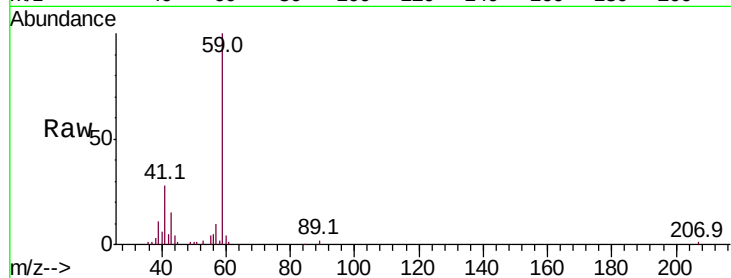
#11
Tert butyl alcohol
Concen: 229.237 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 48008
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.6

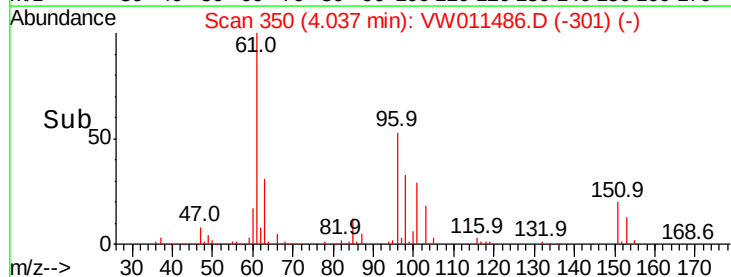
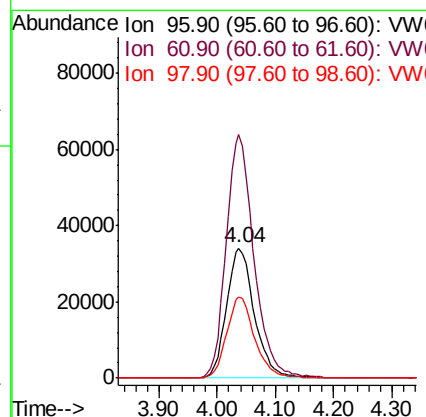
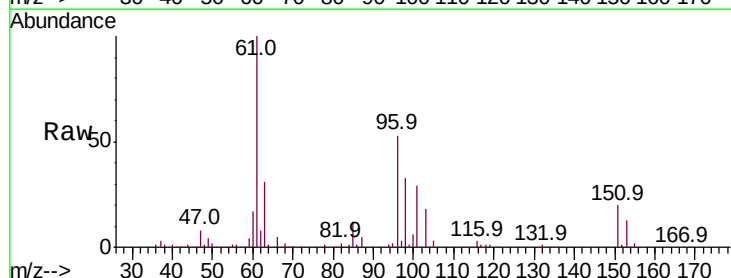
Manual Integrations
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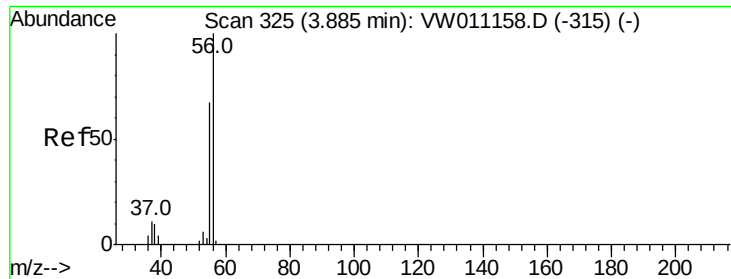
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.413 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion: 96 Resp: 113569
Ion Ratio Lower Upper
96 100
61 187.1 157.7 236.5
98 61.9 50.9 76.3





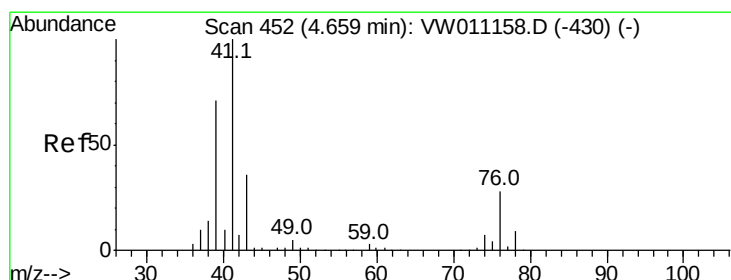
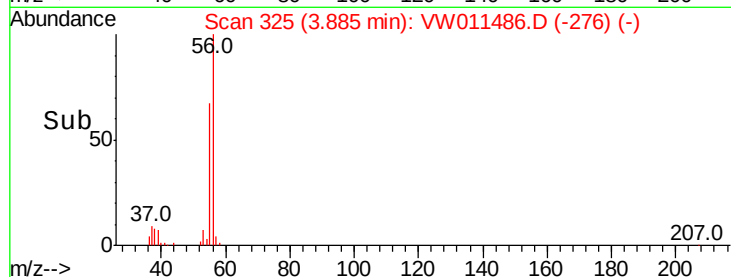
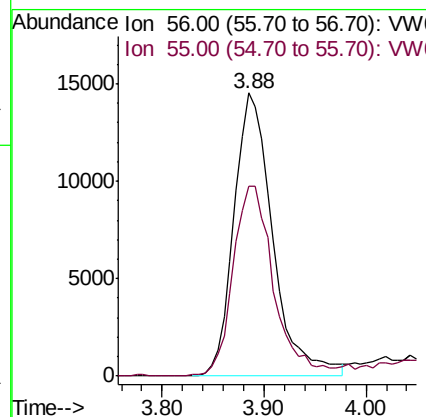
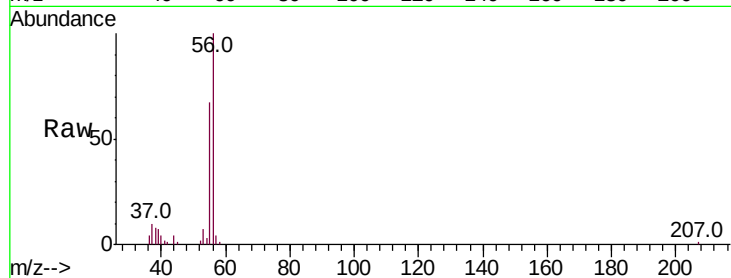
#13
Acrolein
Concen: 230.404 ug/l
RT: 3.88 min Scan# 325
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	56.4	84.6

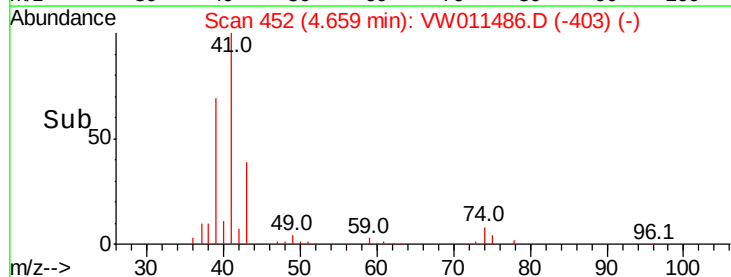
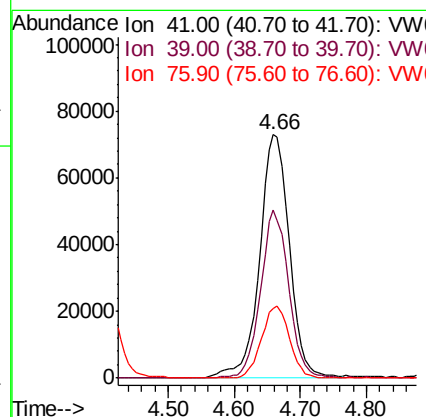
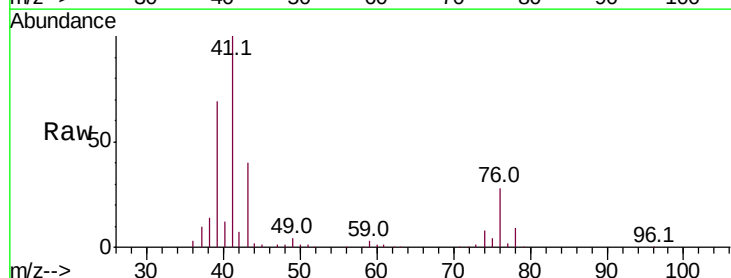
Manual Integrations
APPROVED

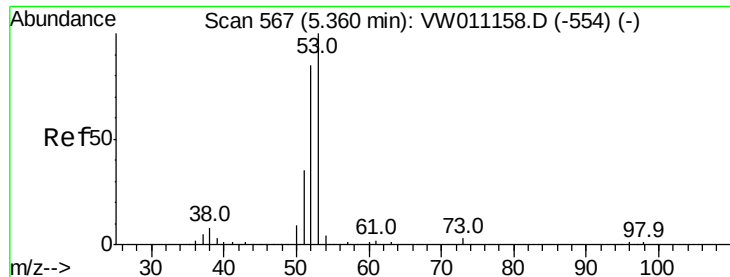
MMDadoda
7/25/2019 8:18:15 AM



#14
Allyl chloride
Concen: 49.894 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.1	55.1	82.7
76	28.0	22.5	33.7





#15

Acrylonitrile

Concen: 239.354 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

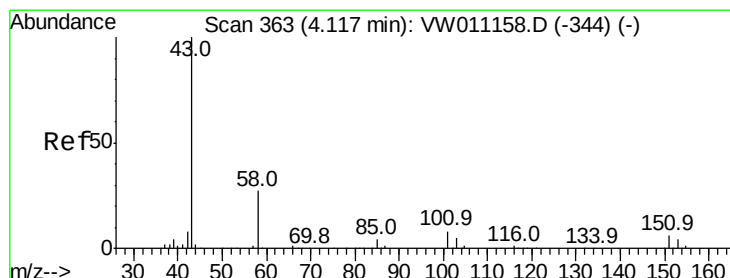
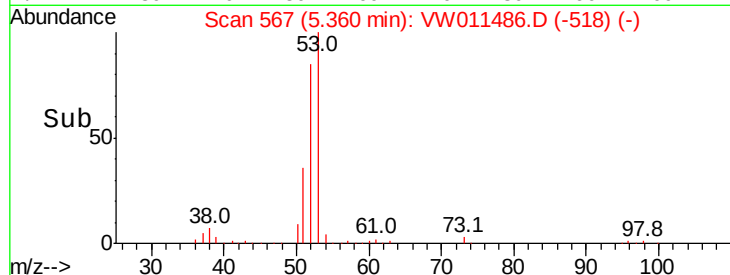
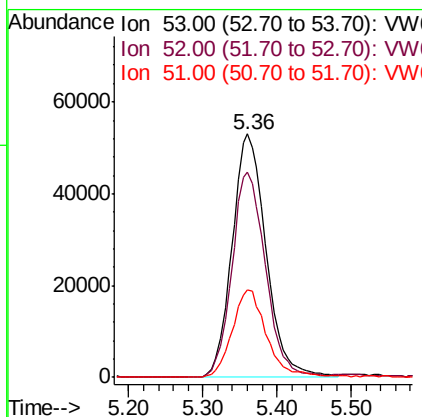
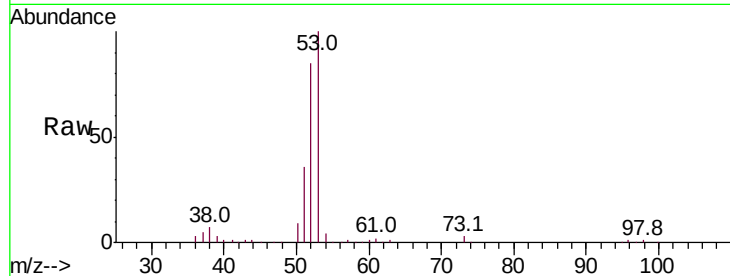
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	169666
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	36.3	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 252.624 ug/l

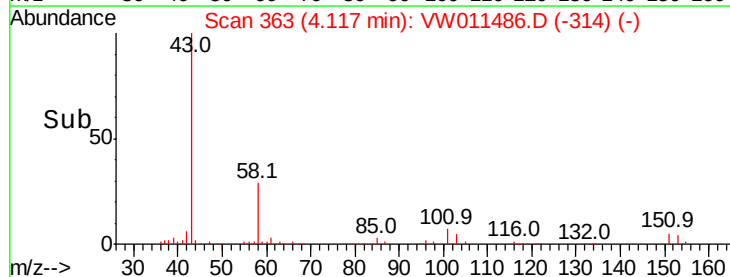
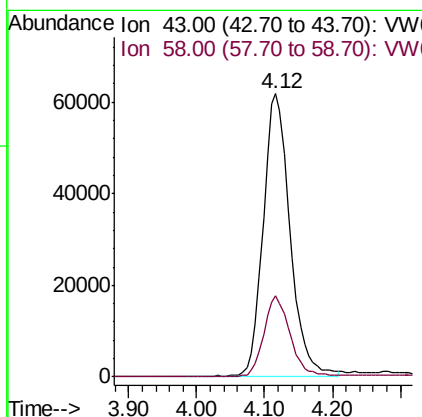
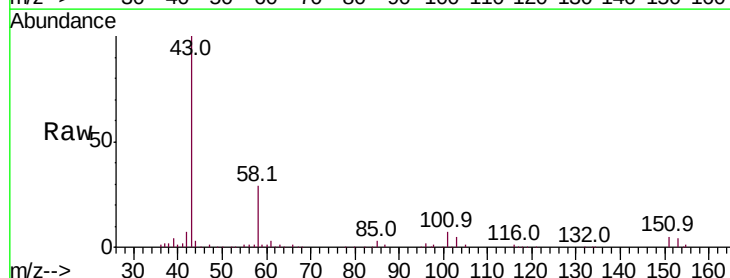
RT: 4.12 min Scan# 363

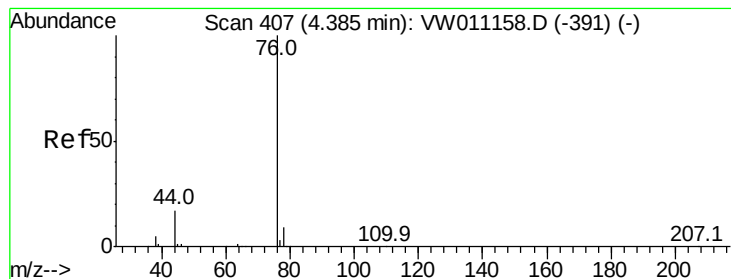
Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Tgt Ion	43	Resp	171938
Ion	Ratio	Lower	Upper
43	100		
58	28.6	21.8	32.6





#17

Carbon Disulfide

Concen: 41.896 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 317638

Ion Ratio Lower Upper

76 100

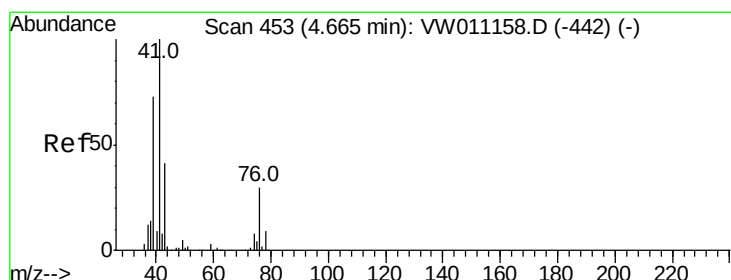
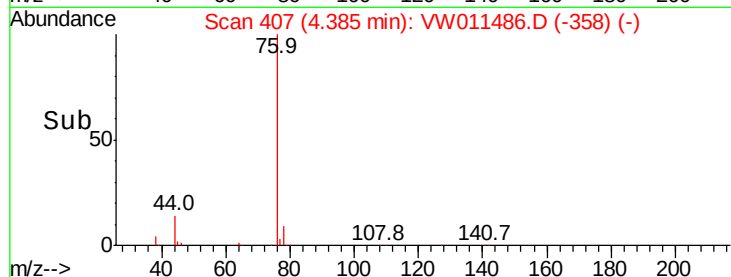
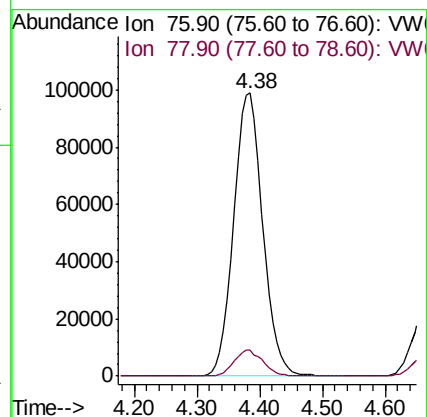
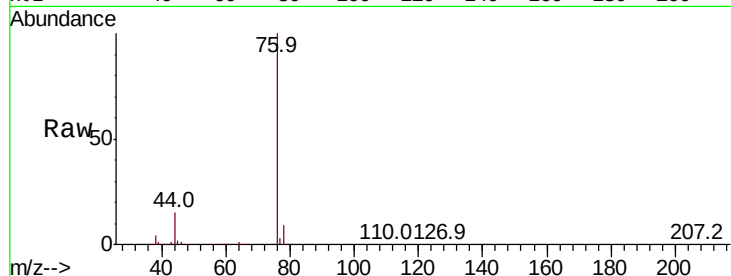
78 9.4 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 45.911 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011486.D

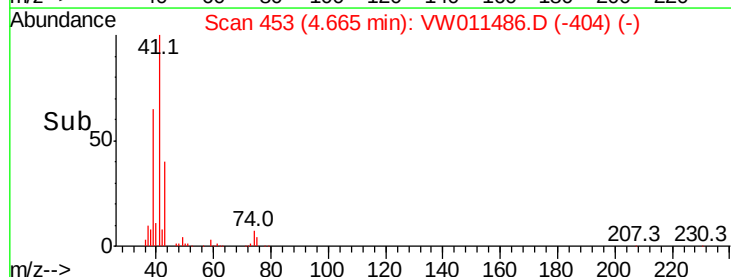
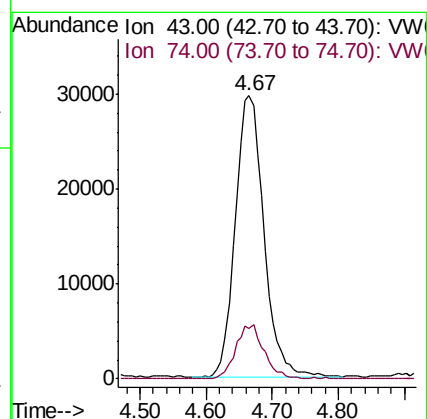
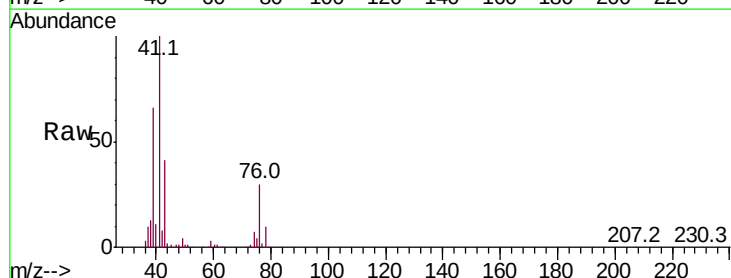
Acq: 24 Jul 2019 20:10

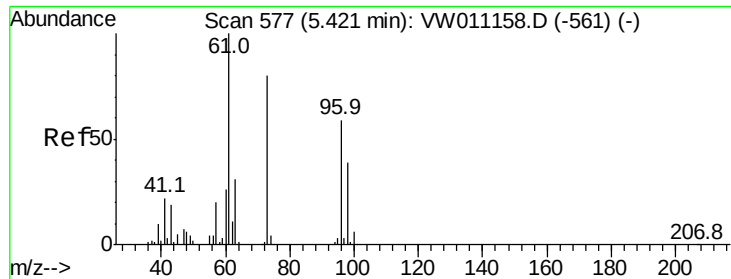
Tgt Ion: 43 Resp: 89083

Ion Ratio Lower Upper

43 100

74 19.1 15.7 23.5





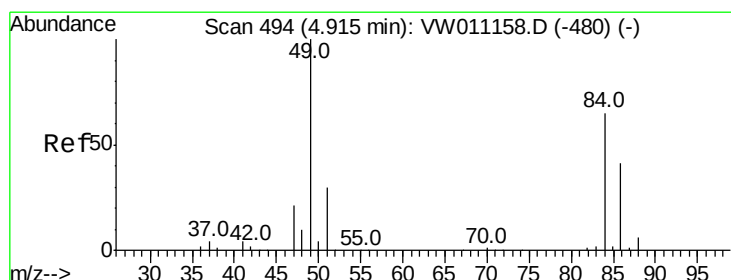
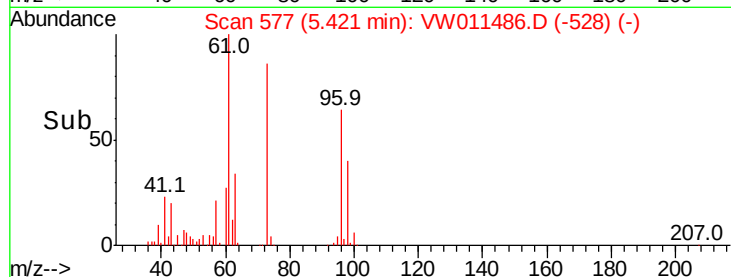
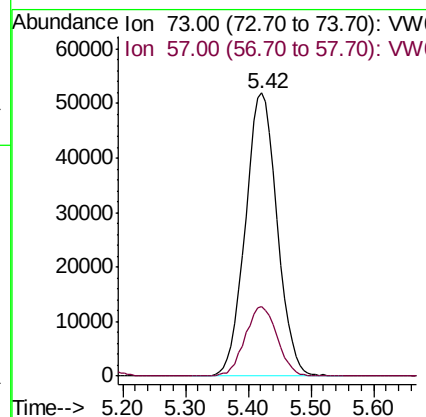
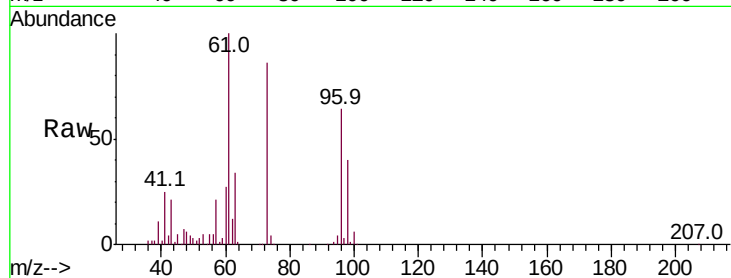
#19
Methyl tert-butyl Ether
Concen: 47.943 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 181921
Ion Ratio Lower Upper
73 100
57 24.4 19.7 29.5

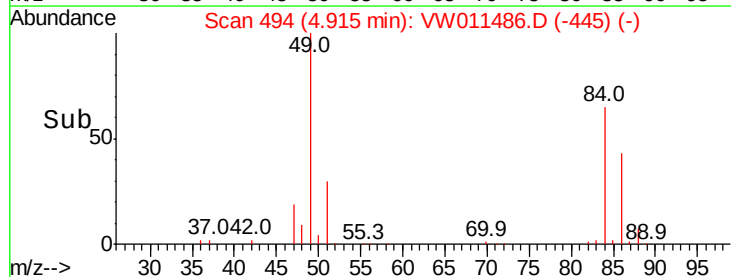
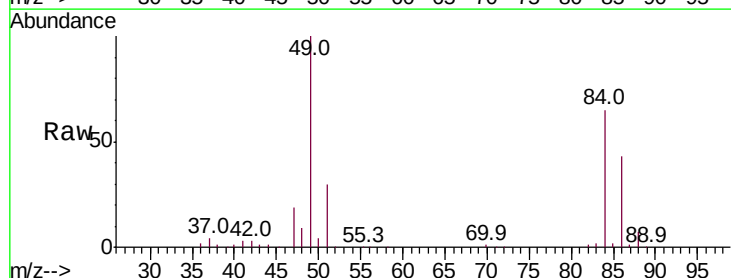
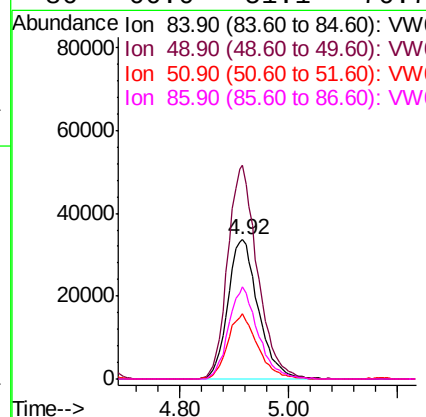
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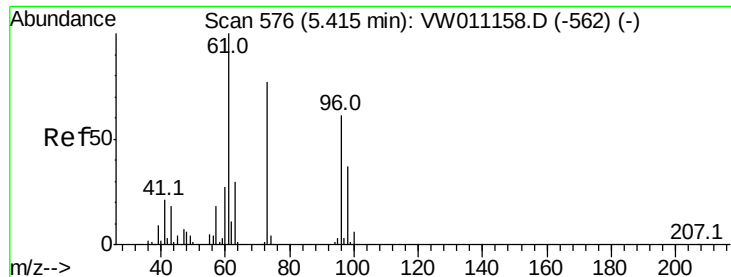
MMDadoda
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#20
Methylene Chloride
Concen: 48.811 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion: 84 Resp: 131055
Ion Ratio Lower Upper
84 100
49 153.6 123.8 185.6
51 46.7 37.4 56.2
86 66.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.888 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

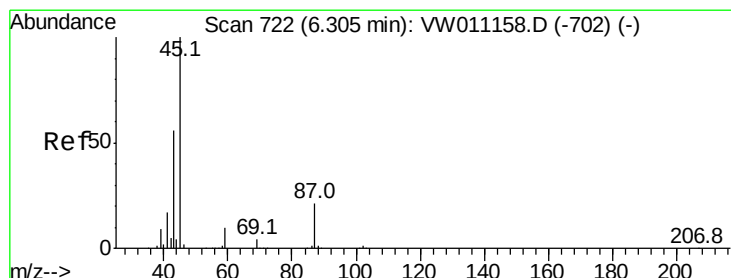
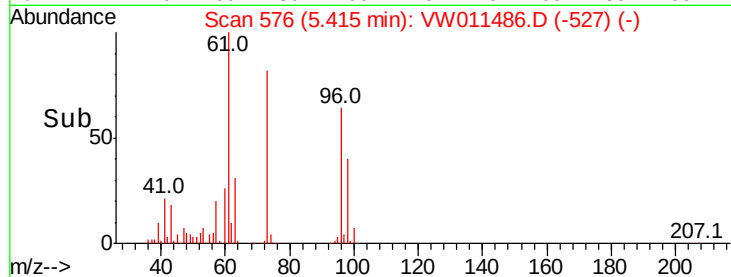
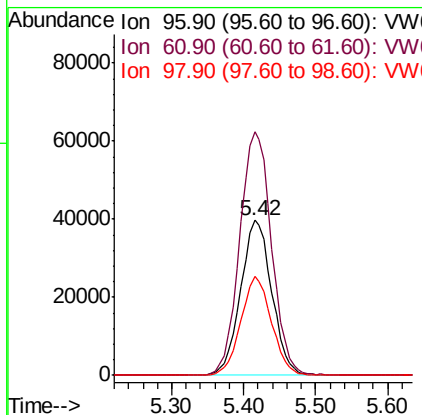
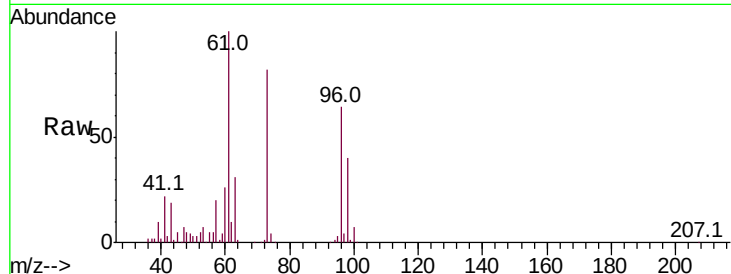
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	119243
Ion	Ratio	Lower	Upper
96	100		
61	157.3	132.2	198.2
98	63.6	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.551 ug/l

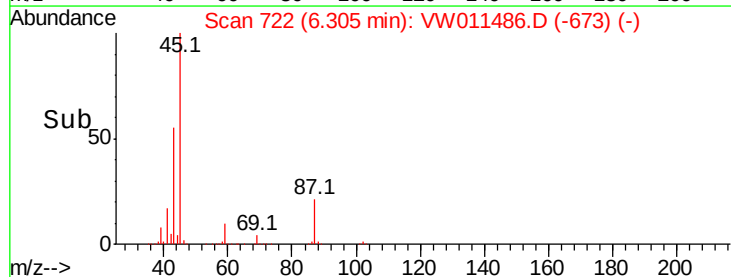
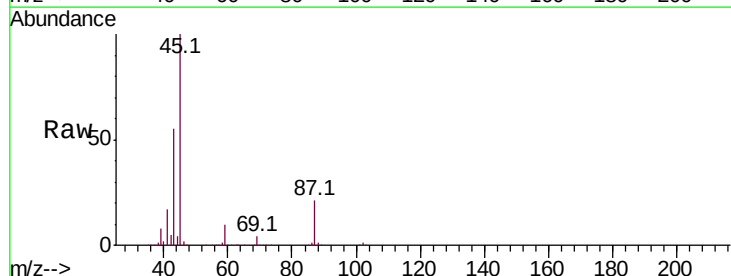
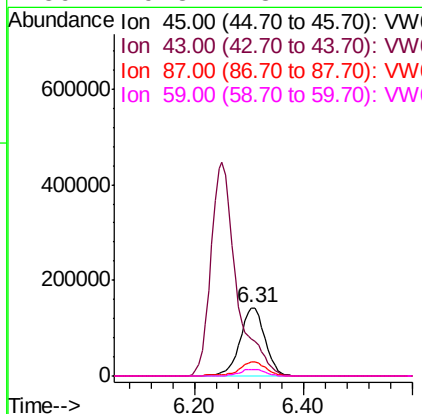
RT: 6.31 min Scan# 722

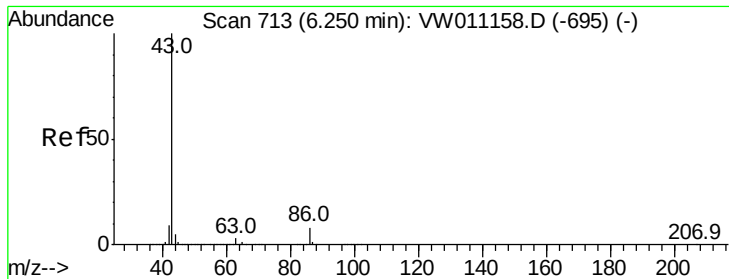
Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Tgt Ion:	45	Resp:	456594
Ion	Ratio	Lower	Upper
45	100		
43	54.3	44.6	66.8
87	20.8	17.3	25.9
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 239.889 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1456164

Ion Ratio Lower Upper

43 100

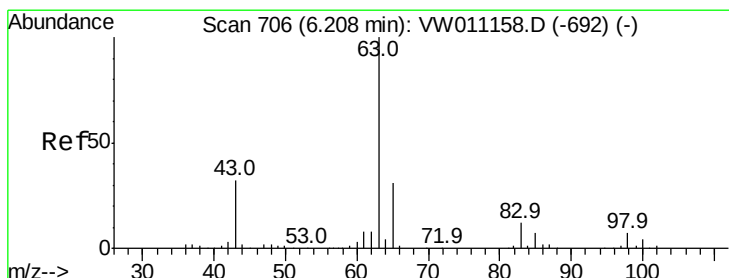
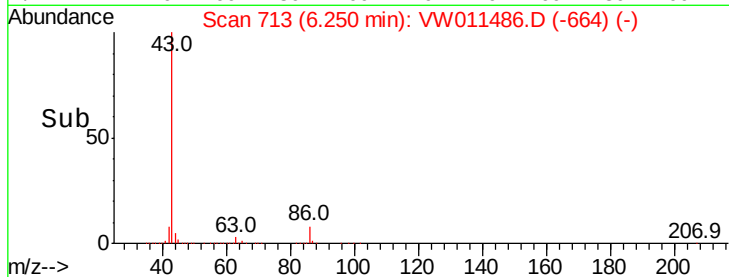
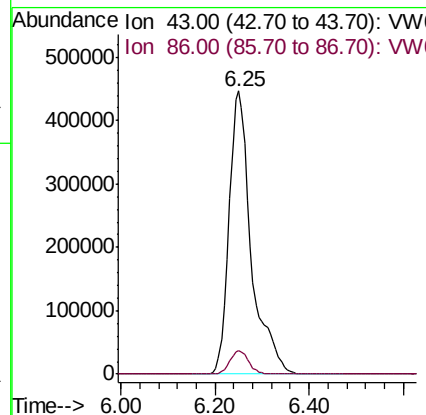
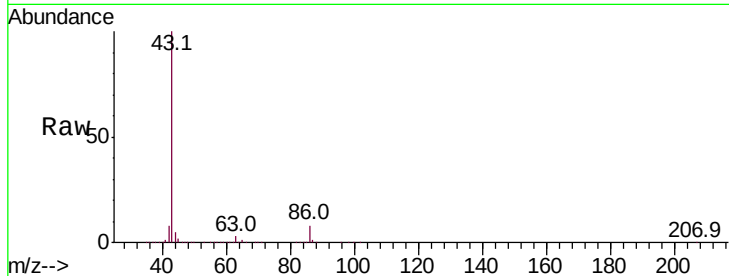
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.687 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

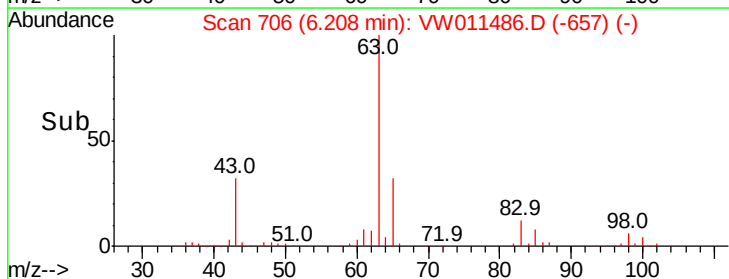
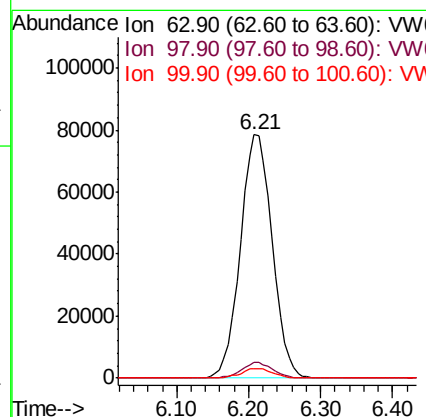
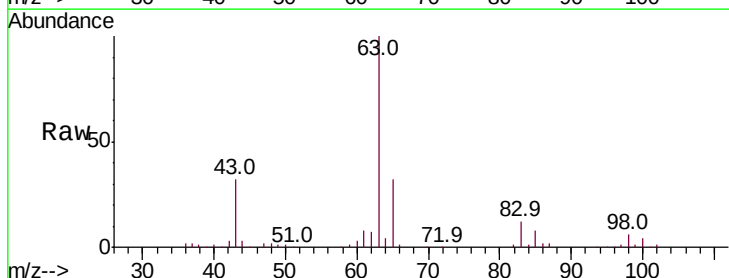
Tgt Ion: 63 Resp: 240461

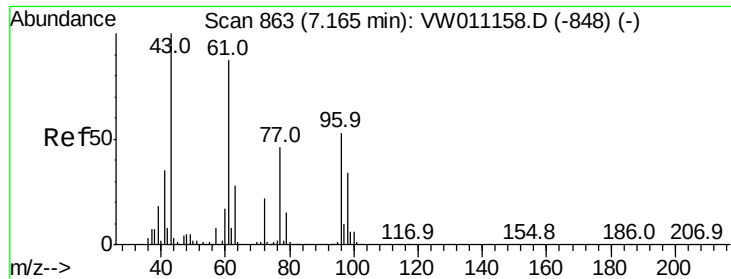
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 239.580 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 255962

Ion Ratio Lower Upper

43 100

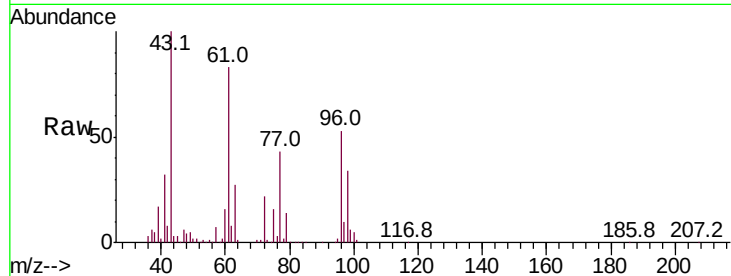
72 22.2 17.6 26.4

Manual Integrations

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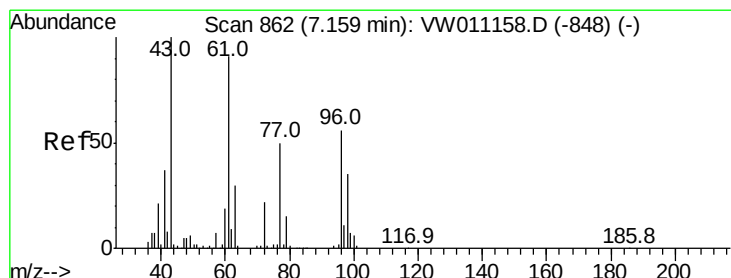
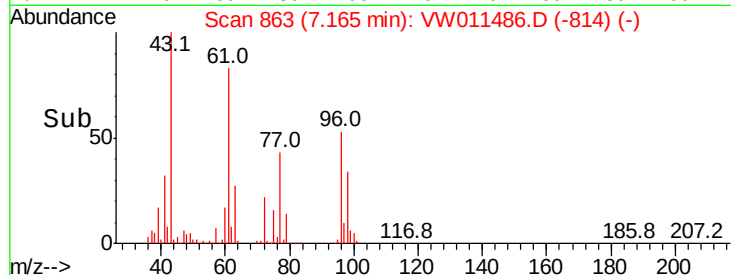
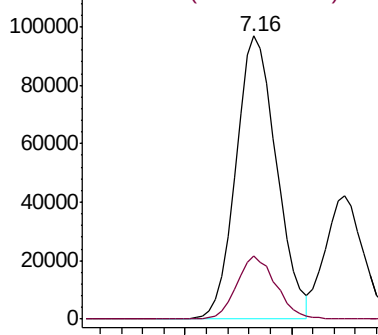
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 47.026 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW011486.D

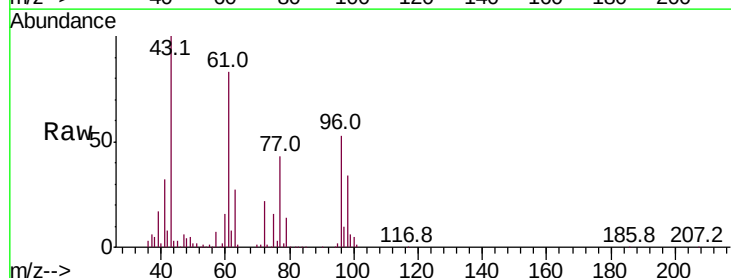
Acq: 24 Jul 2019 20:10

Tgt Ion: 77 Resp: 125904

Ion Ratio Lower Upper

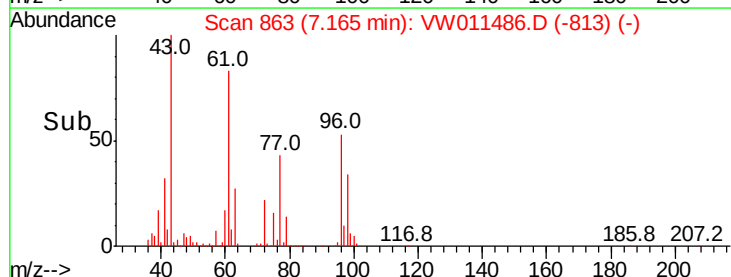
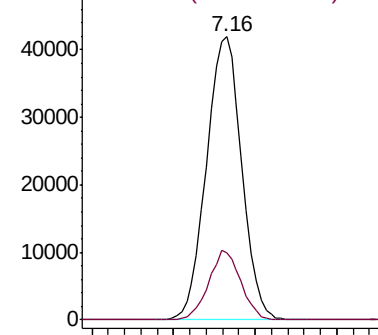
77 100

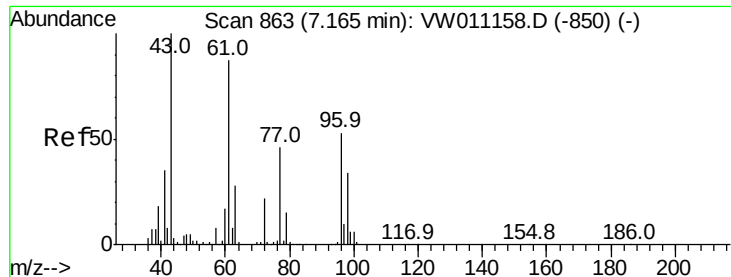
97 22.3 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

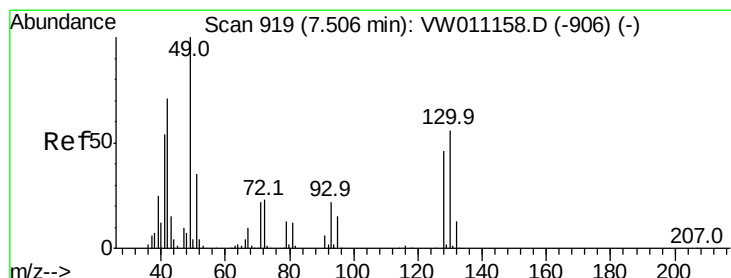
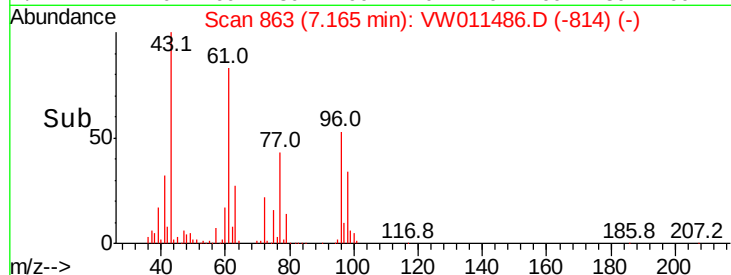
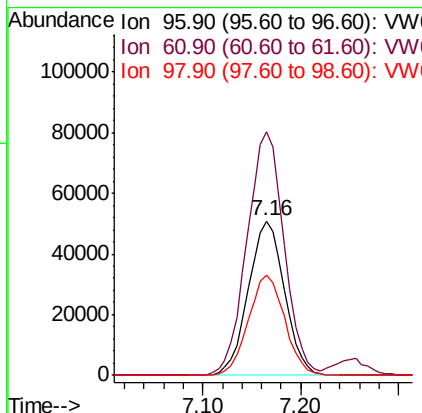
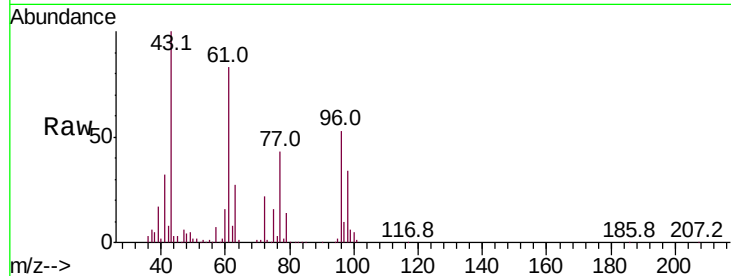
cis-1,2-Dichloroethene
Concen: 46.950 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	325.6
98	64.9	0.0	128.2

Manual Integrations
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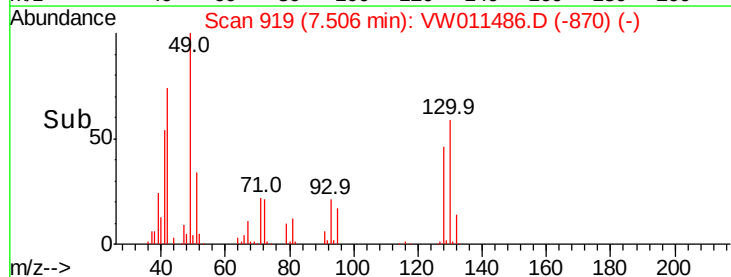
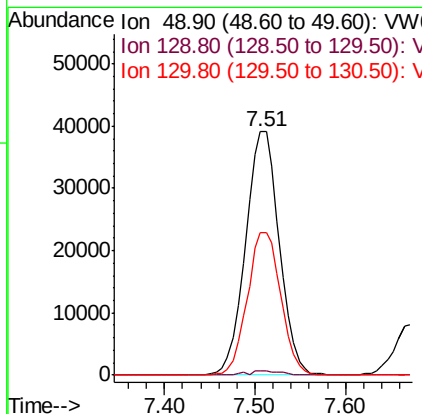
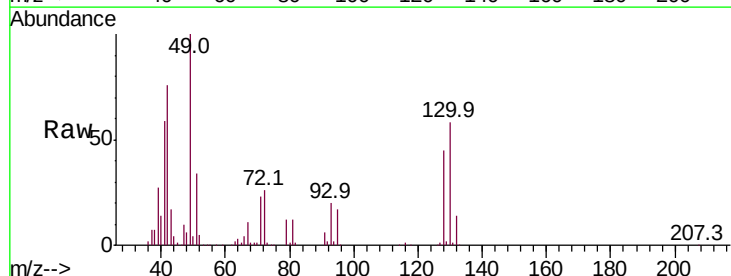
MMDadoda
7/25/2019 8:18:15 AM

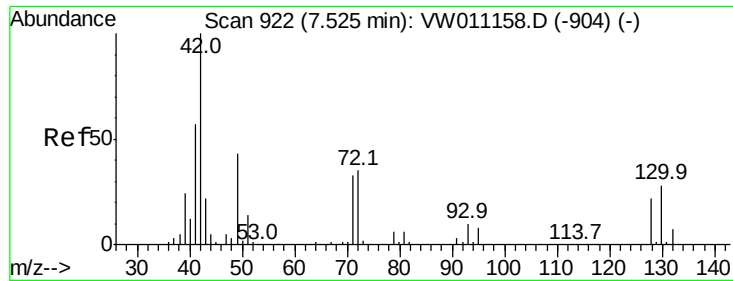


#28

Bromochloromethane
Concen: 42.906 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.4#
130	58.4	45.8	68.8





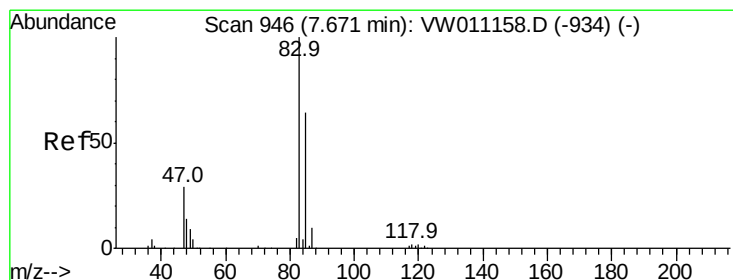
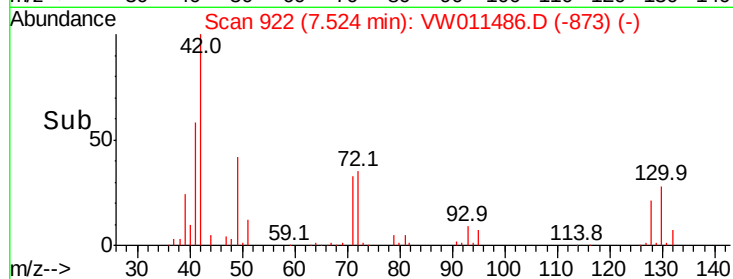
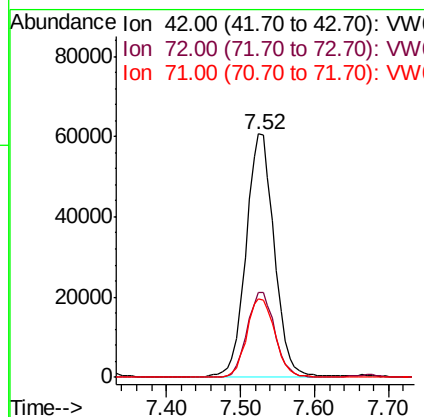
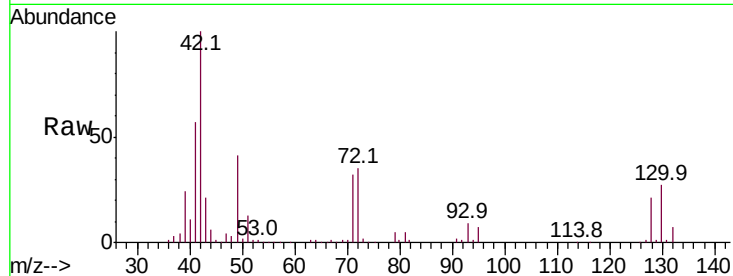
#29
Tetrahydrofuran
Concen: 231.661 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.4	41.2
71	32.2	25.9	38.9

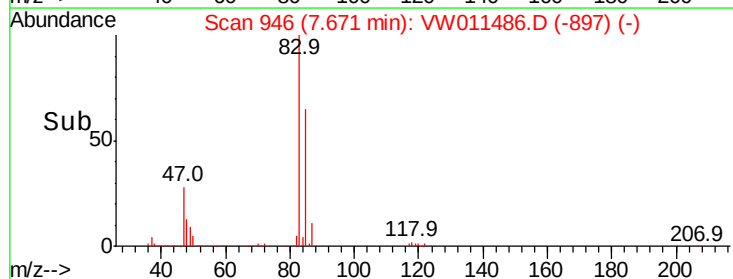
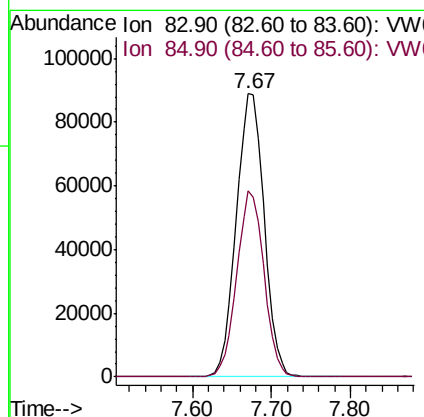
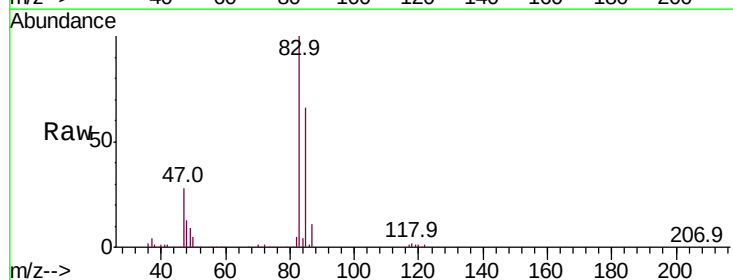
Manual Integrations
APPROVED

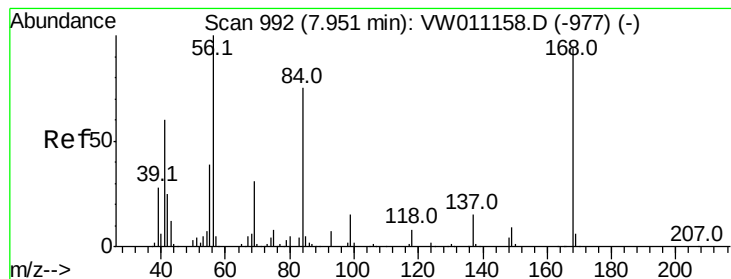
MMDadoda
7/25/2019 8:18:15 AM



#30
Chloroform
Concen: 45.997 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





#31

Cyclohexane

Concen: 42.692 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

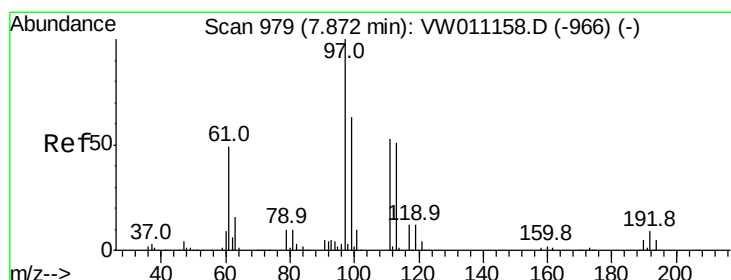
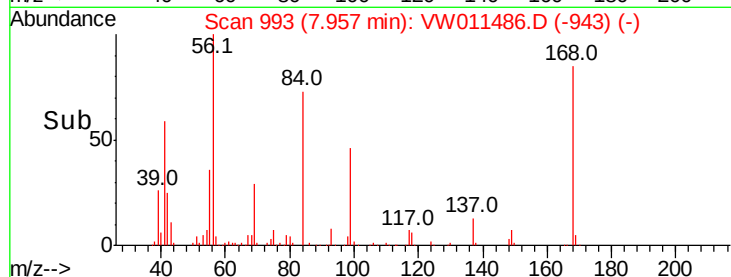
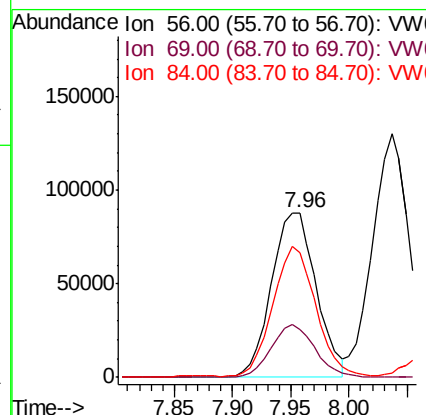
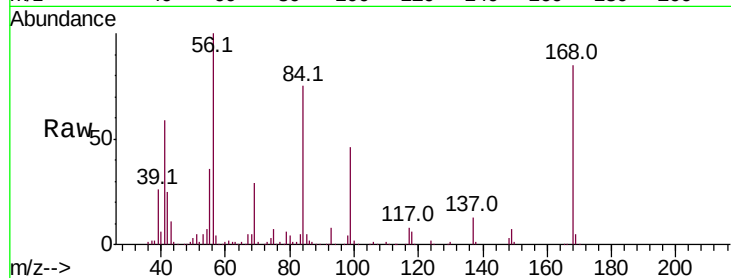
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	233927
Ion Ratio	Lower	Upper	
56	100		
69	29.1	24.6	36.8
84	74.4	60.1	90.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.187 ug/l

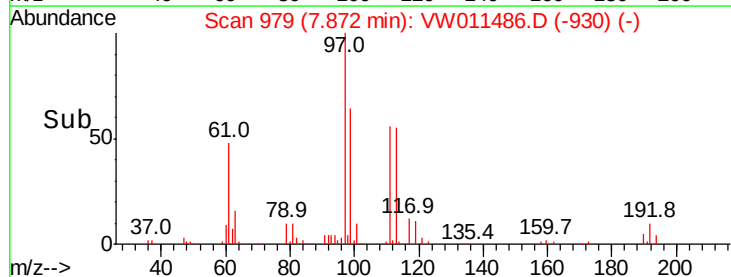
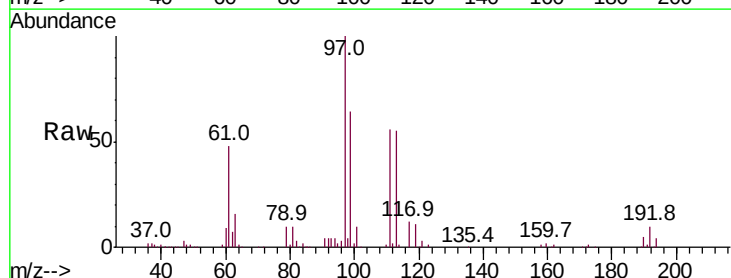
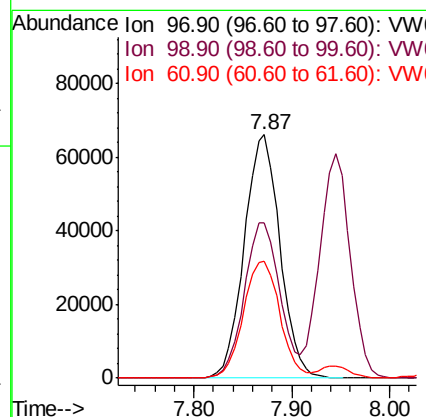
RT: 7.87 min Scan# 979

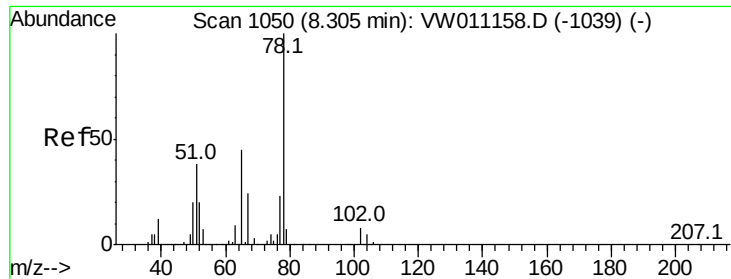
Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Tgt Ion:	97	Resp:	167587
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.0	76.4
61	49.0	40.4	60.6





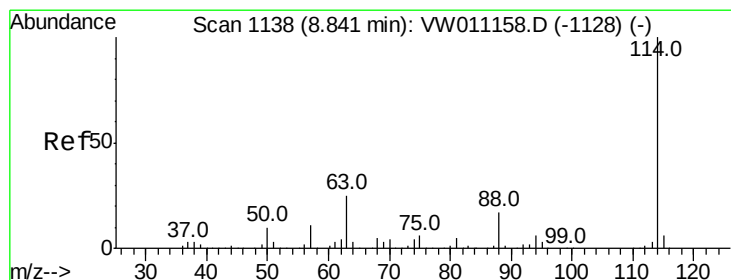
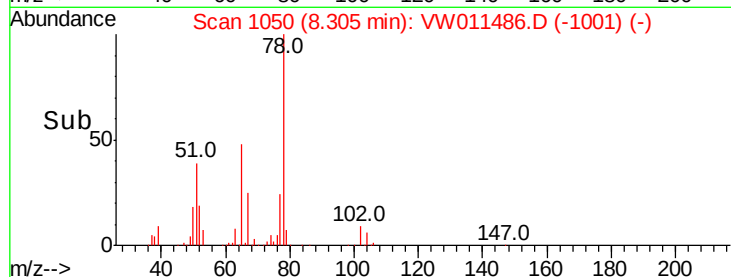
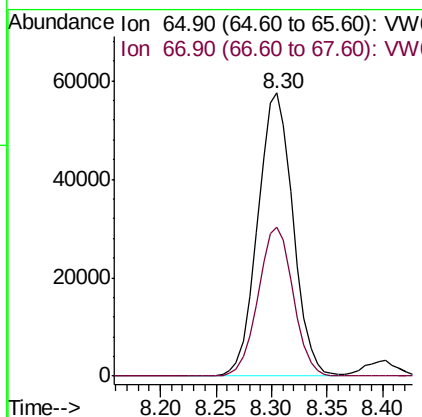
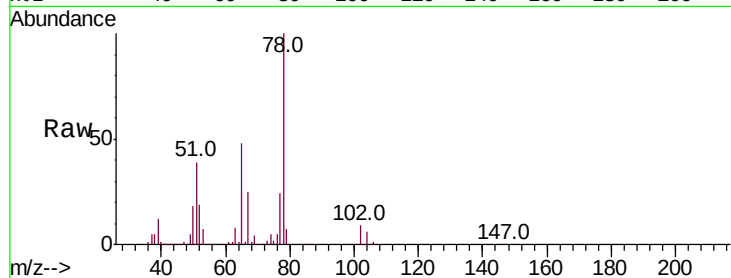
#33
 1,2-Dichloroethane-d4
 Concen: 44.907 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.4

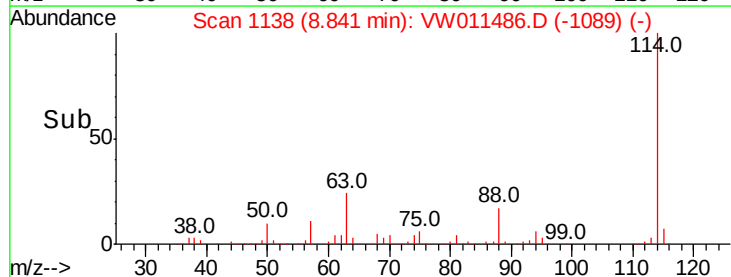
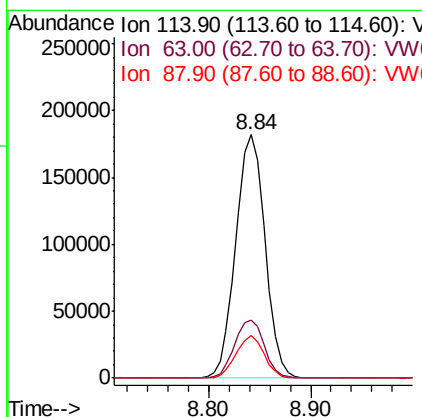
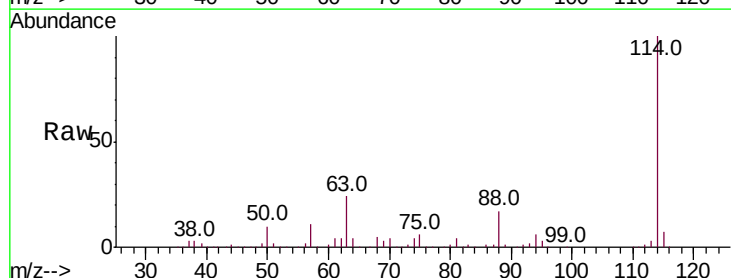
Manual Integrations
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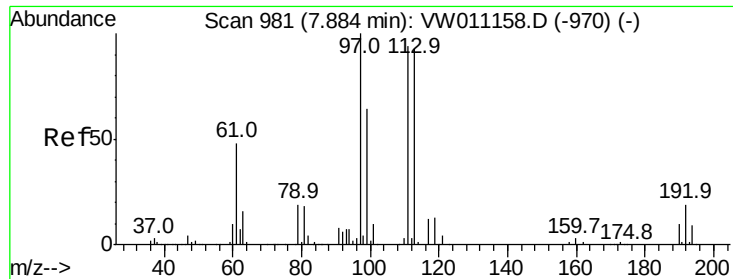
MMDadoda
 7/25/2019 8:18:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	50.8
88	17.5	0.0	34.2





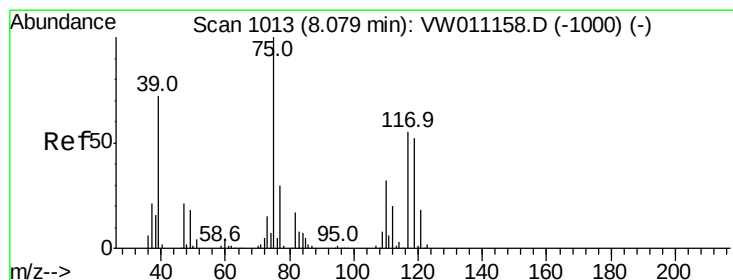
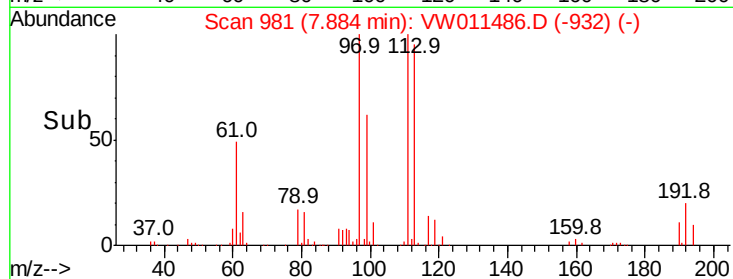
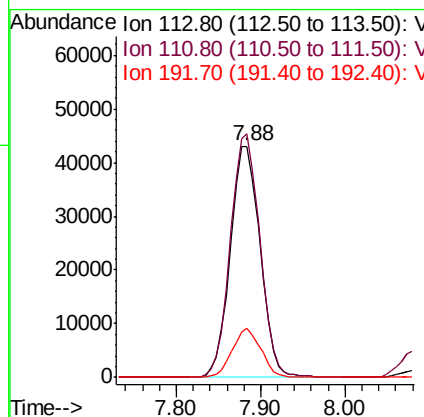
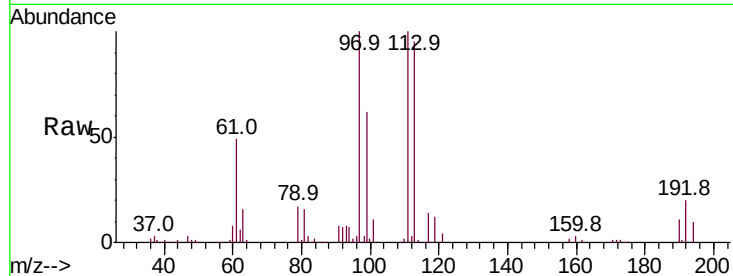
#35
 Dibromofluoromethane
 Concen: 47.866 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103465		
111	104.1	82.4	123.6	
192	20.4	15.8	23.8	

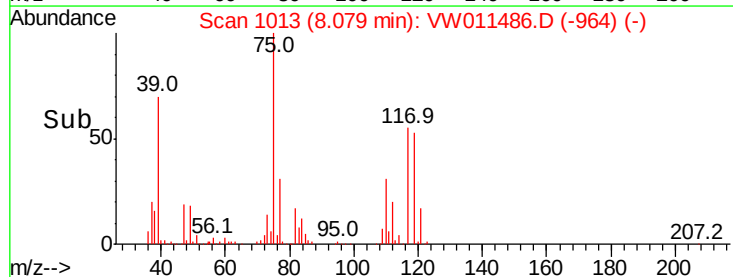
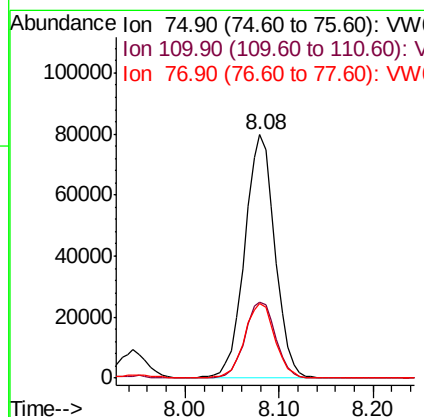
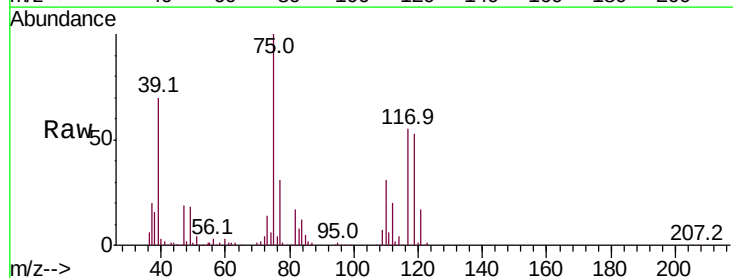
Manual Integrations
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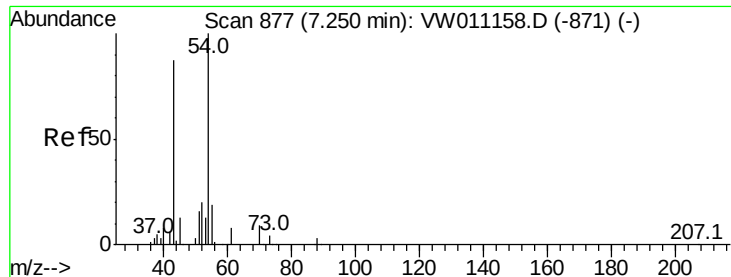
MMDadoda
 7/25/2019 8:18:15 AM



#36
 1,1-Dichloropropene
 Concen: 46.316 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178866		
110	31.9	15.9	47.6	
77	31.0	24.6	36.8	





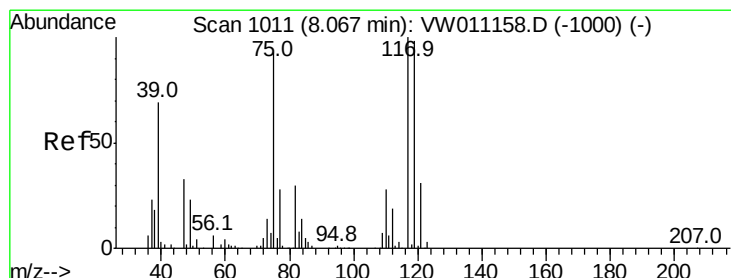
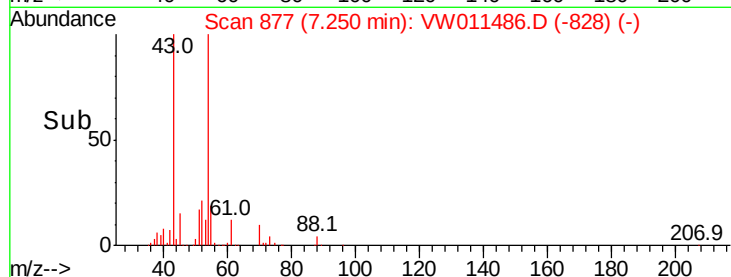
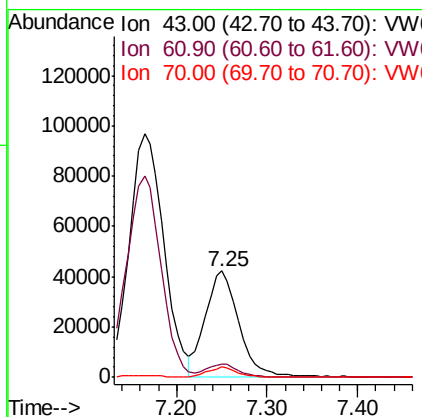
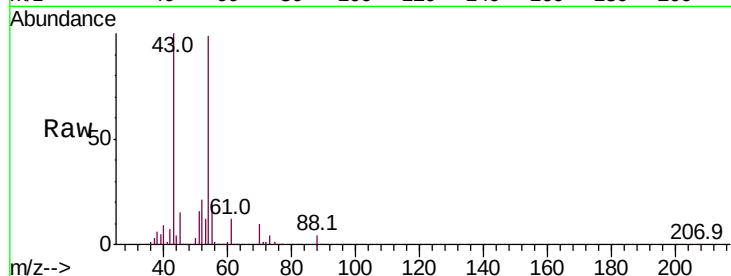
#37
Ethyl Acetate
Concen: 46.444 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.5	14.3
70	8.9	7.1	10.7

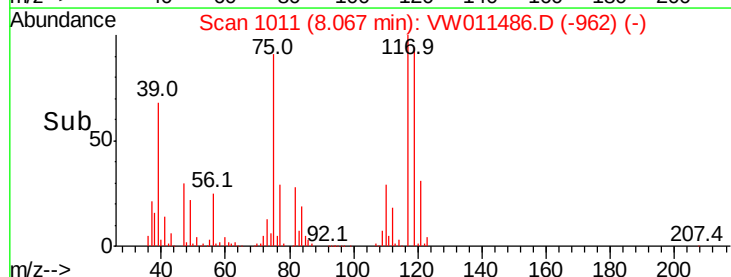
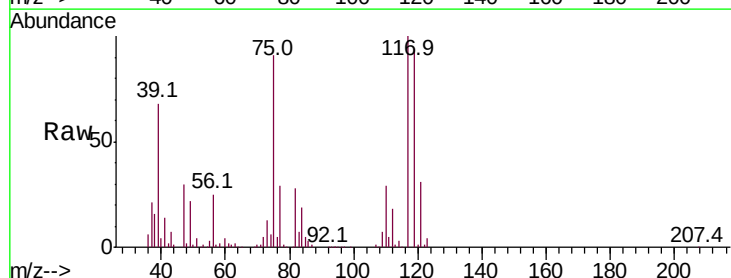
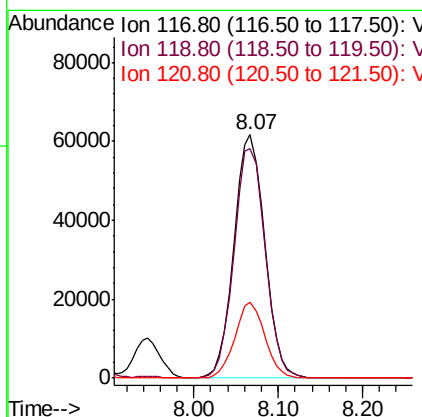
Manual Integrations
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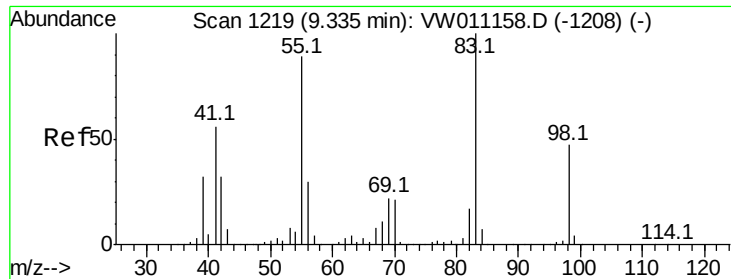
MMDadoda
7/25/2019 8:18:15 AM



#38
Carbon Tetrachloride
Concen: 46.427 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.1	117.1
121	31.0	25.1	37.7





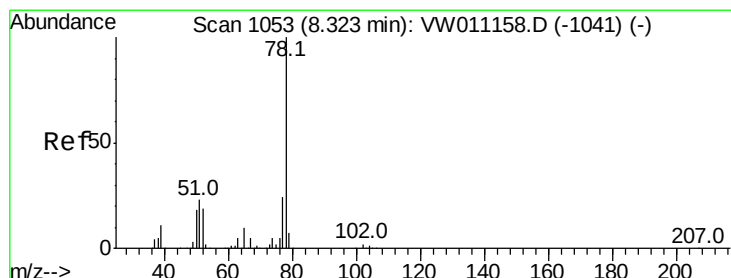
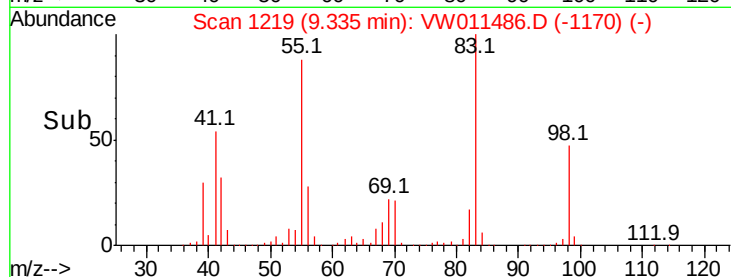
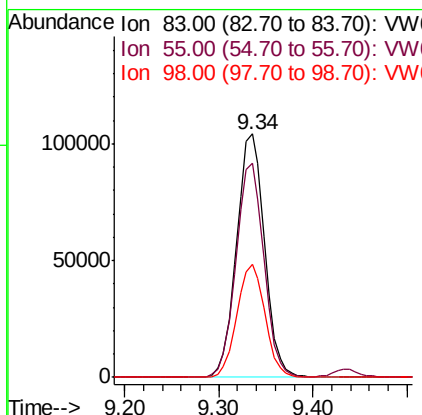
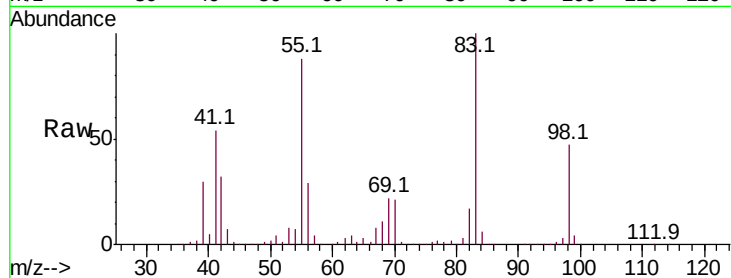
#39
Methylvlcyclohexane
Concen: 46.177 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.0	71.2	106.8
98	46.6	37.5	56.3

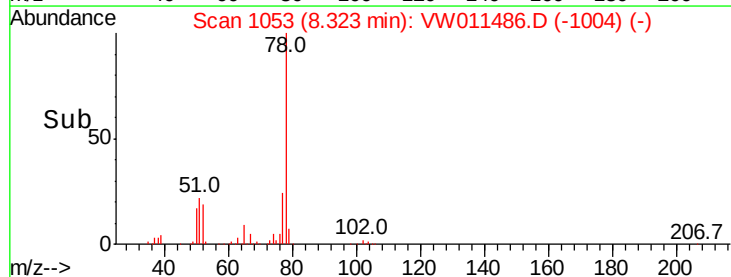
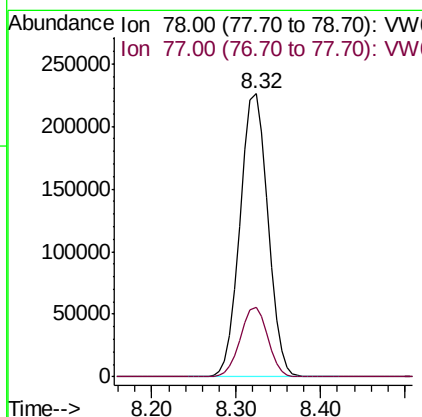
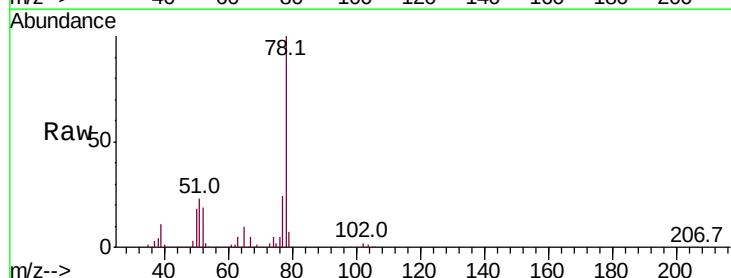
Manual Integrations
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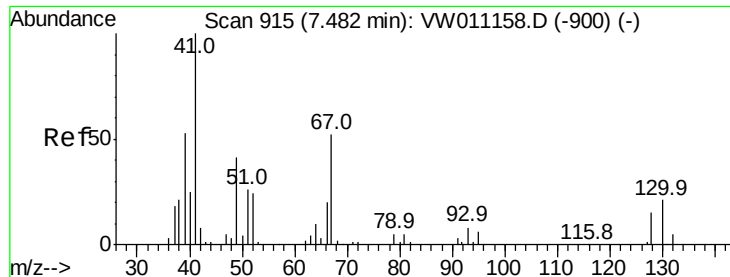
MMDadoda
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#40
Benzene
Concen: 47.249 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





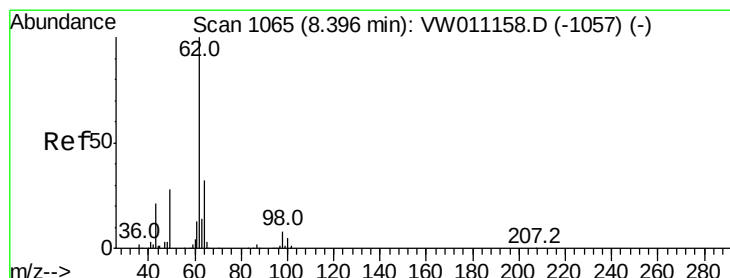
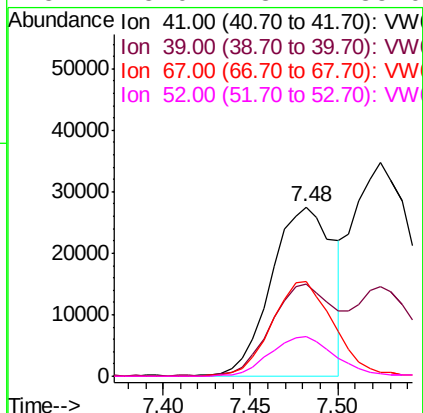
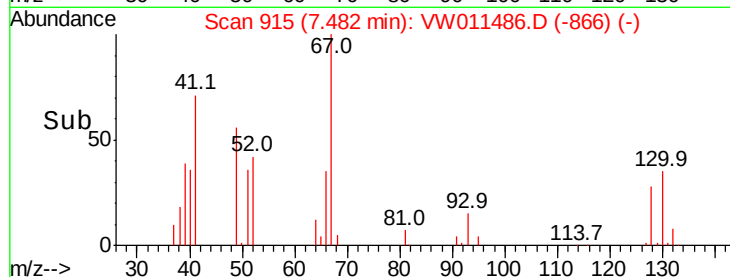
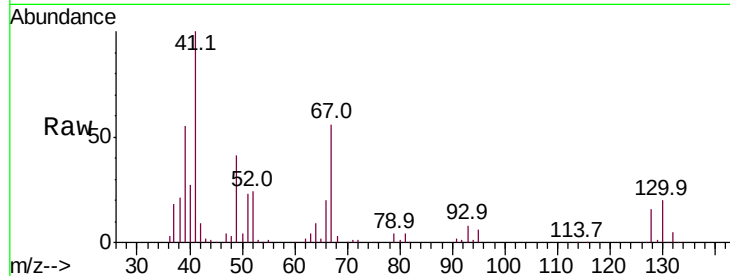
#41
Methacrylonitrile
Concen: 51.250 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	68012
Ion	Ratio	Lower	Upper
41	100		
39	53.3	48.0	72.0
67	56.2	49.7	74.5
52	25.0	23.4	35.0

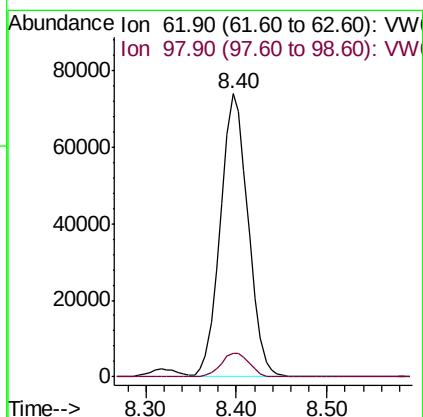
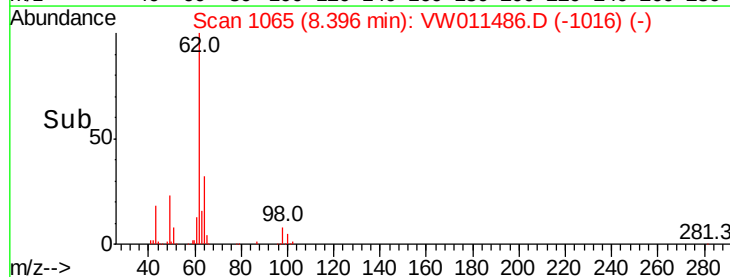
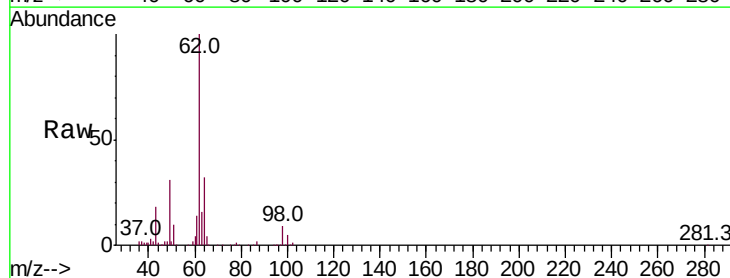
Manual Integrations
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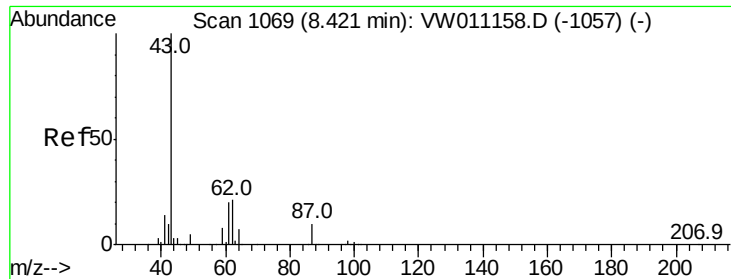
MMDadoda
7/25/2019 8:18:15 AM



#42
1,2-Dichloroethane
Concen: 45.517 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	62	Resp	157587
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





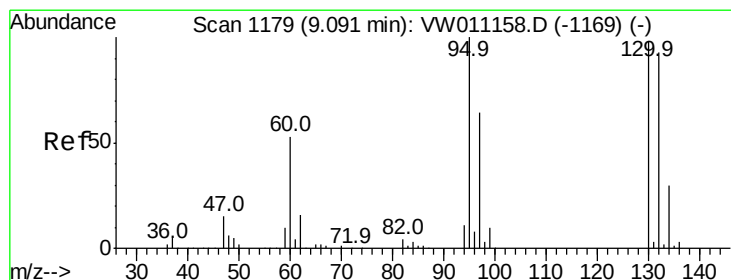
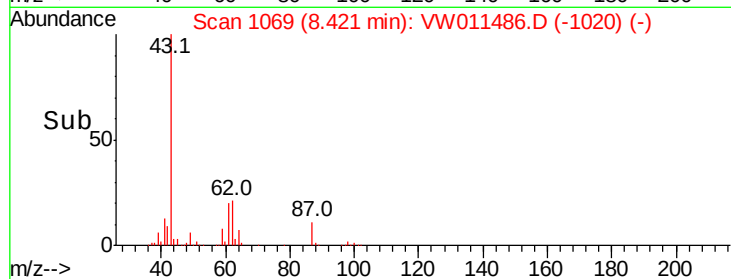
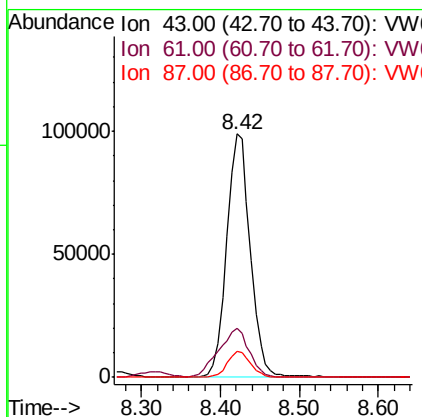
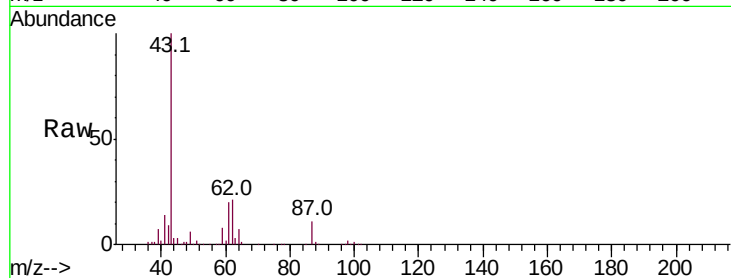
#43
Isopropyl Acetate
Concen: 46.627 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	10.5	8.1	12.1

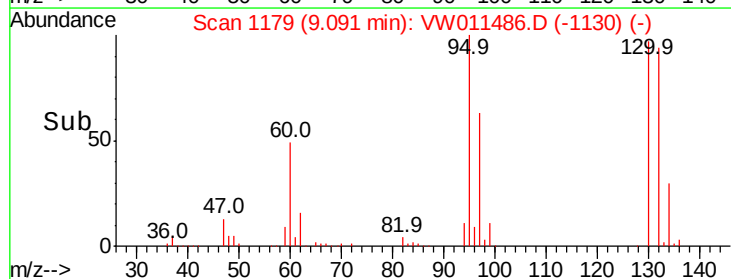
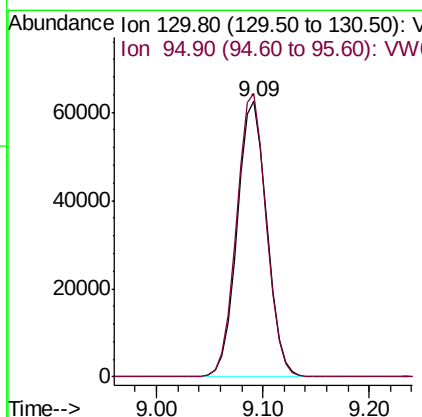
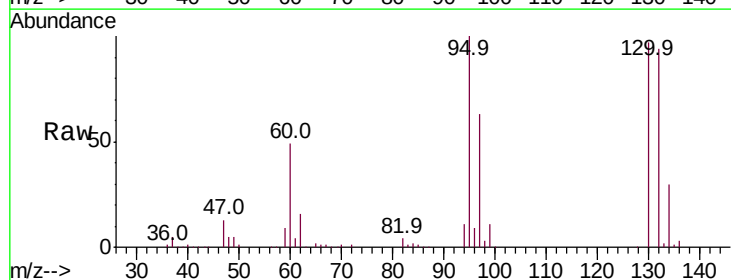
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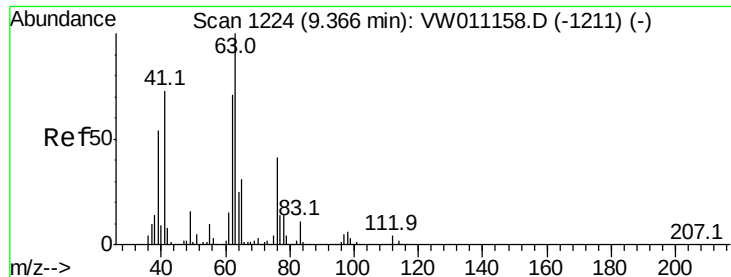
MMDadoda
7/25/2019 8:18:15 AM



#44
Trichloroethene
Concen: 47.750 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	203.6





#45

1,2-Dichloropropane

Concen: 47.501 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 137286

Ion Ratio Lower Upper

63 100

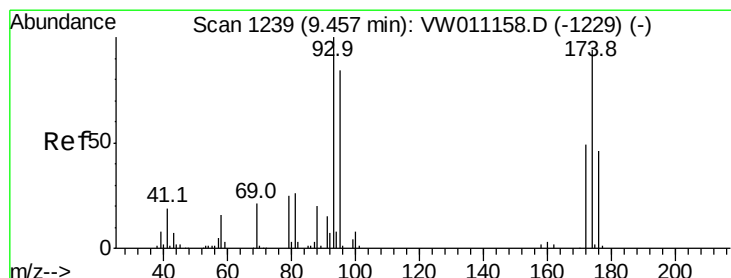
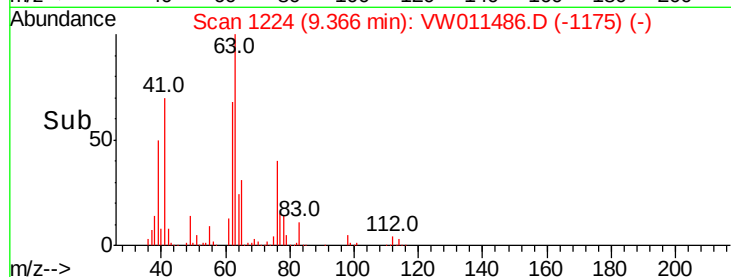
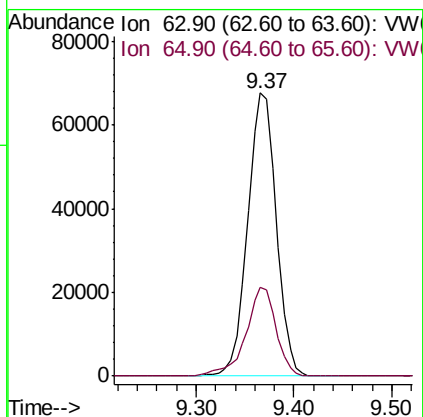
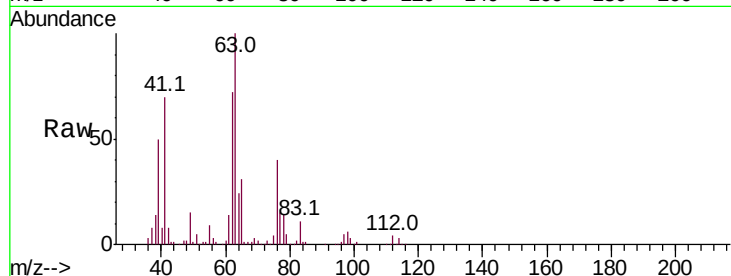
65 31.3 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 46.908 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

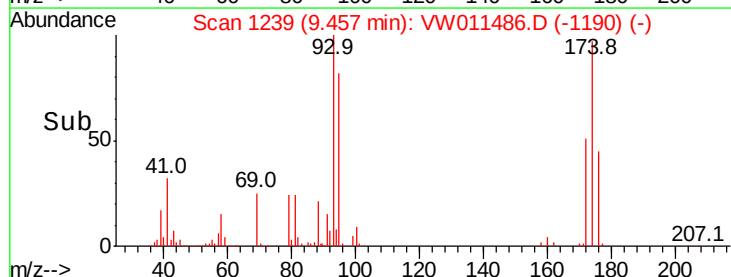
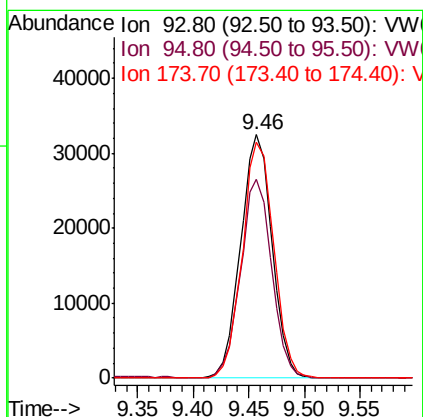
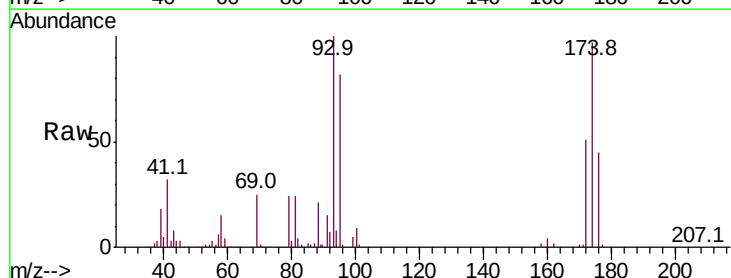
Tgt Ion: 93 Resp: 63685

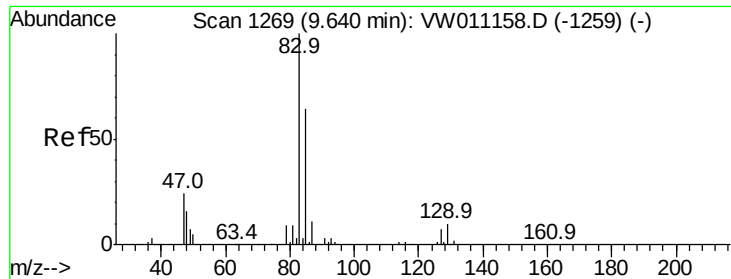
Ion Ratio Lower Upper

93 100

95 81.0 67.2 100.8

174 97.4 76.3 114.5





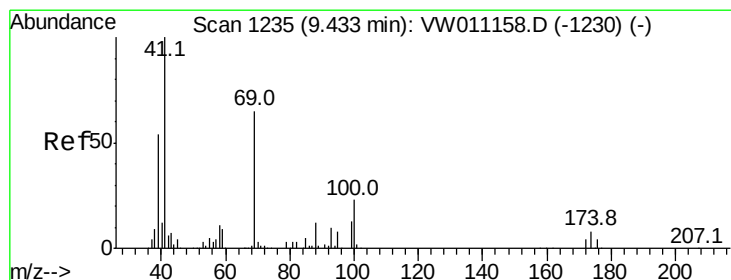
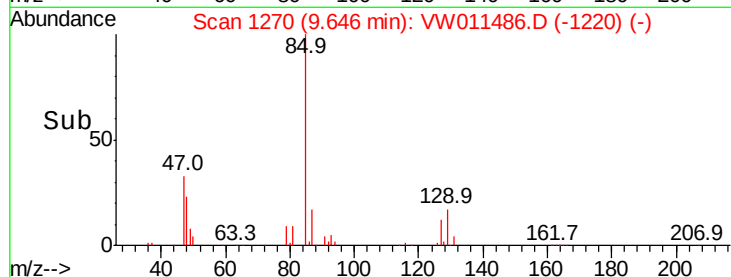
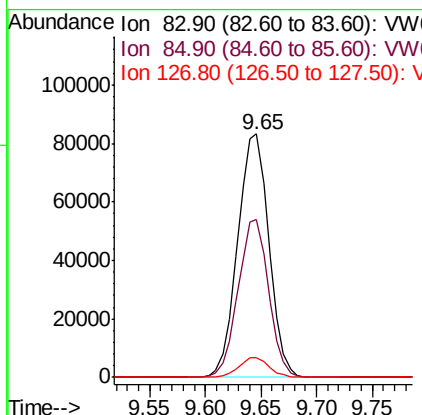
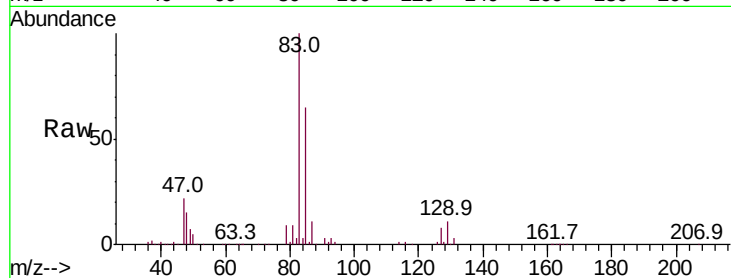
#47
Bromodichloromethane
Concen: 46.567 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.4
127	8.1	6.0	9.0

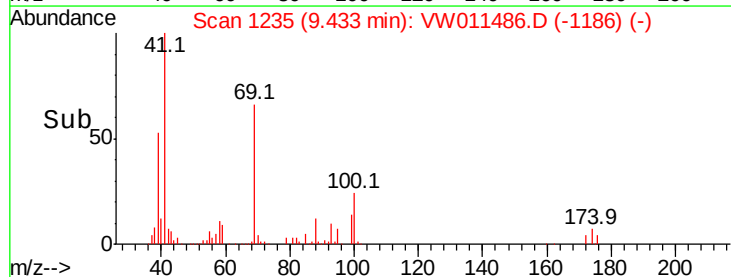
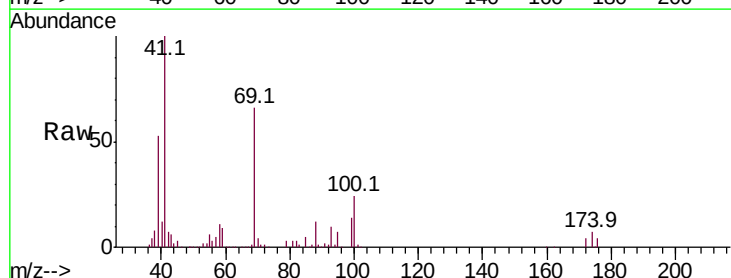
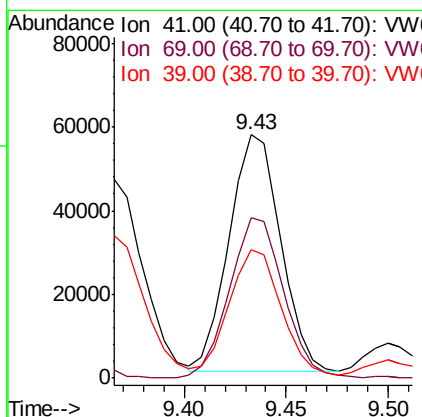
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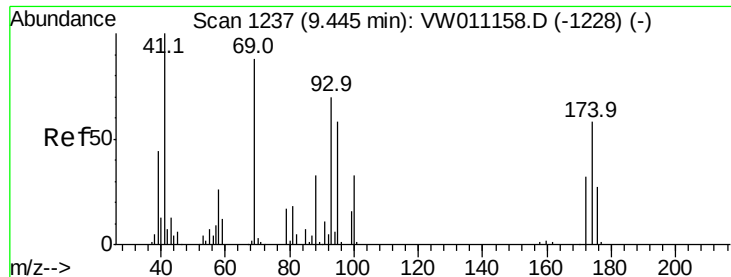
MMDadoda
7/25/2019 8:18:15 AM



#48
Methyl methacrylate
Concen: 47.106 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.7	56.0	84.0
39	56.1	43.5	65.3





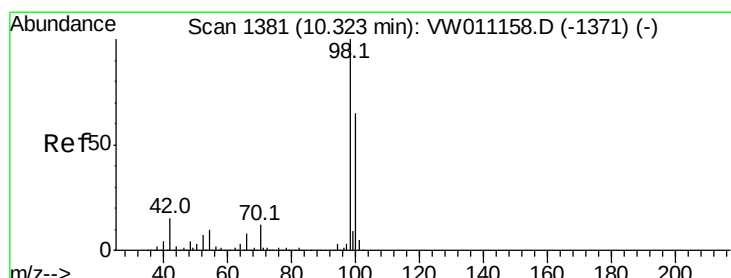
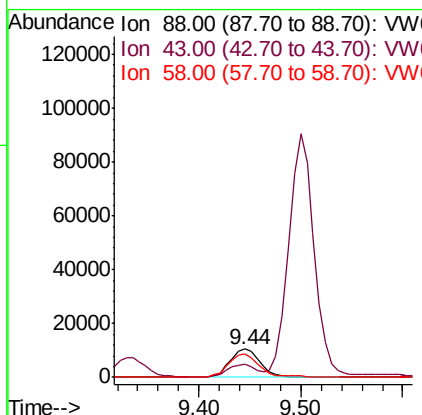
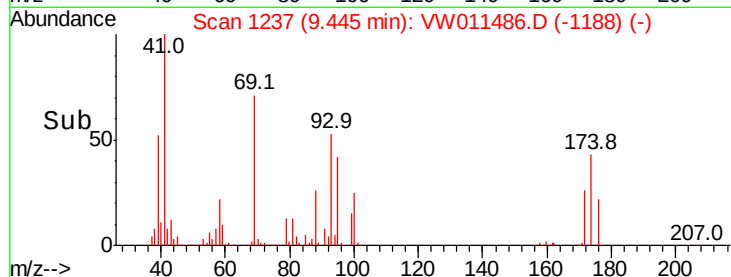
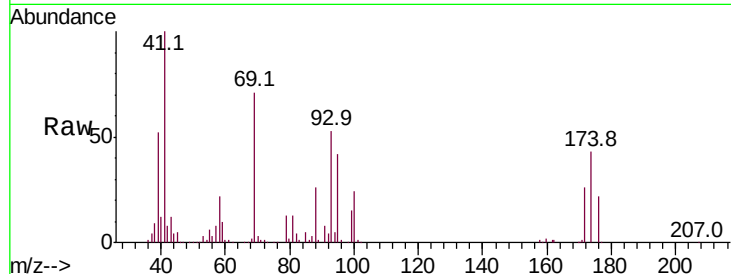
#49
1,4-Dioxane
Concen: 946.185 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	21442
Ion	Ratio	Lower	Upper
88	100		
43	40.7	33.4	50.0
58	86.5	64.5	96.7

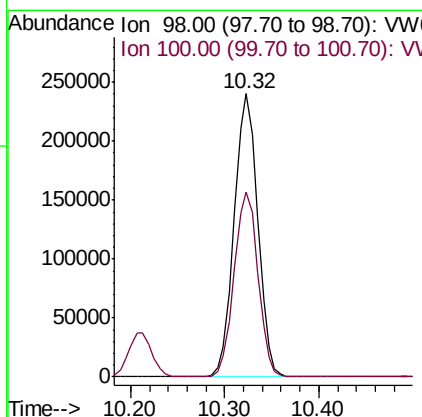
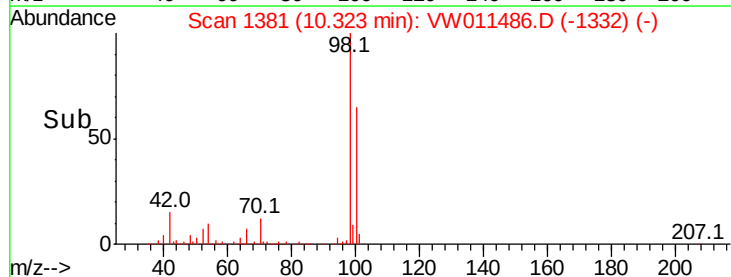
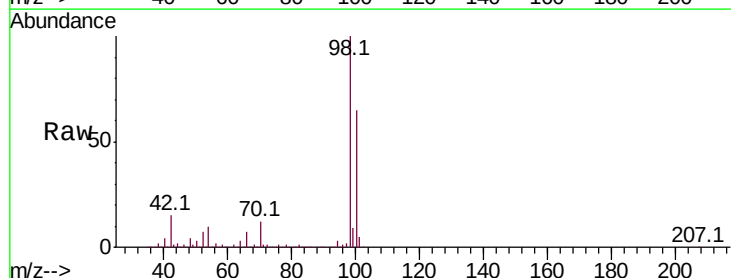
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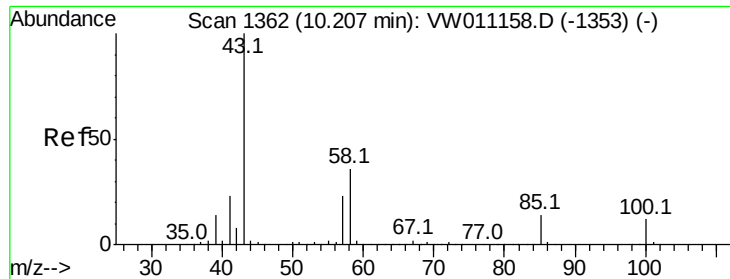
MMDadoda
7/25/2019 8:18:15 AM



#50
Toluene-d8
Concen: 47.860 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	98	Resp	418168
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





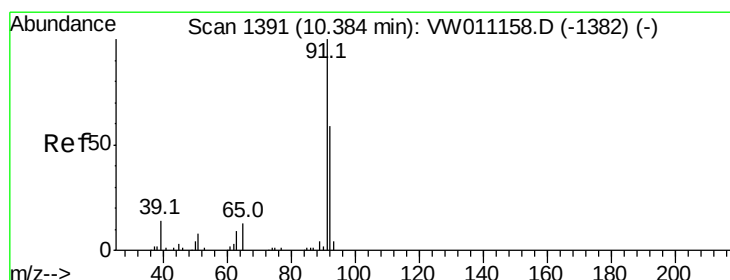
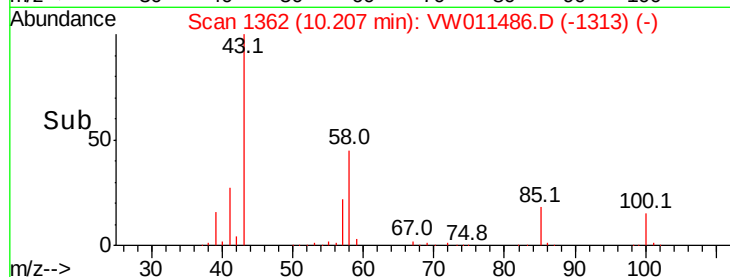
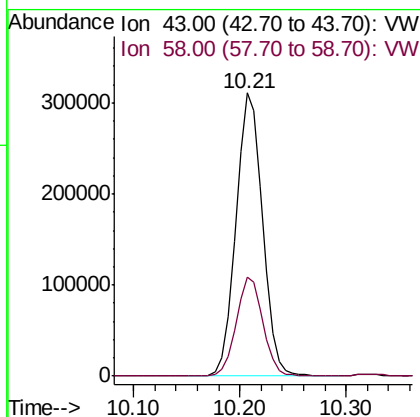
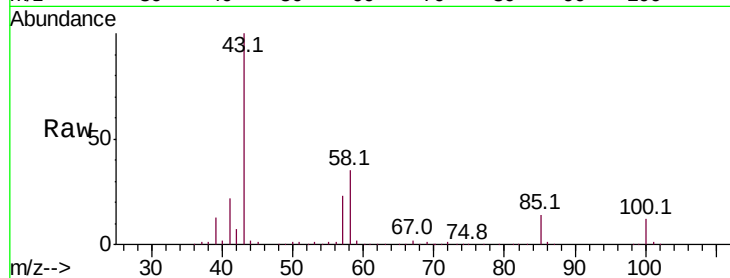
#51
4-Methyl-2-Pentanone
Concen: 238.647 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.2	42.2

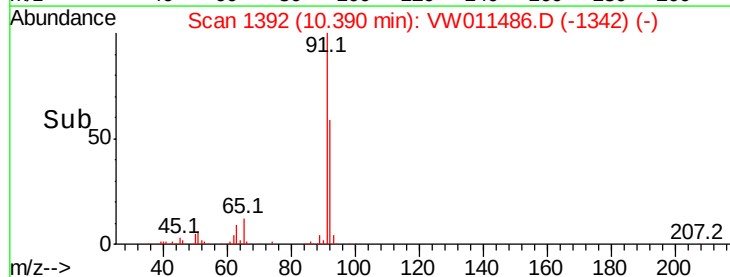
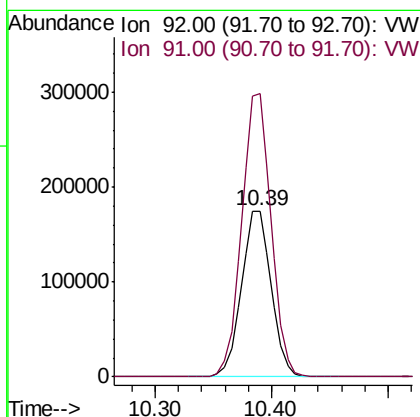
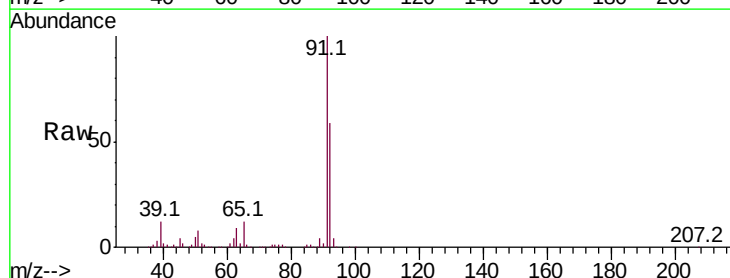
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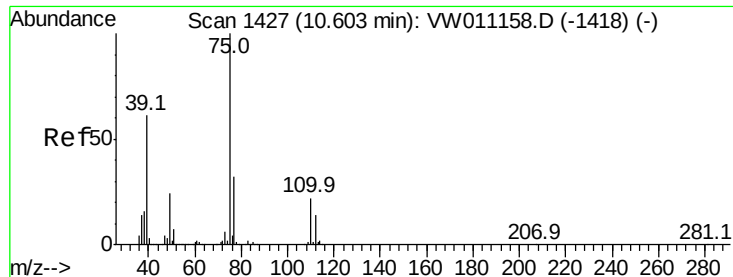
MMDadoda
7/25/2019 8:18:15 AM



#52
Toluene
Concen: 47.814 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 45.336 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W

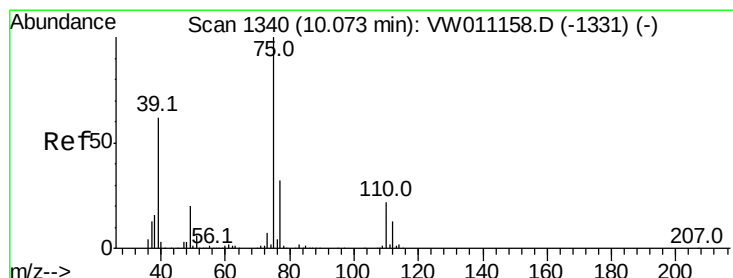
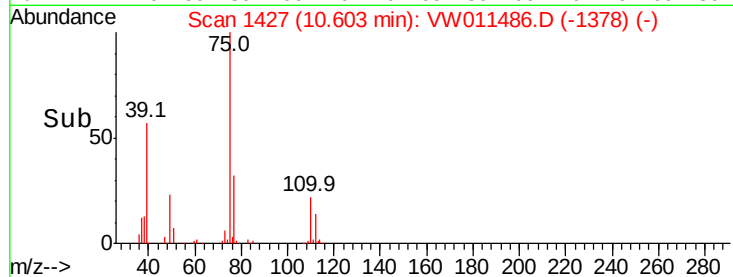
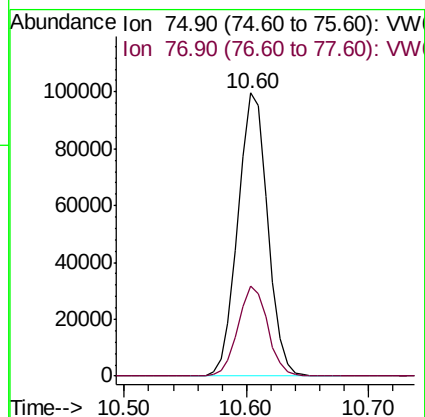
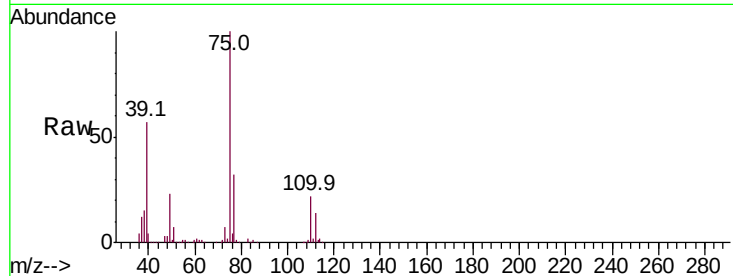
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 167634

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0

Manual Integrations
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MMDadoda
7/25/2019 8:18:15 AM



#54

cis-1,3-Dichloropropene

Concen: 46.051 ug/l

RT: 10.07 min Scan# 1340

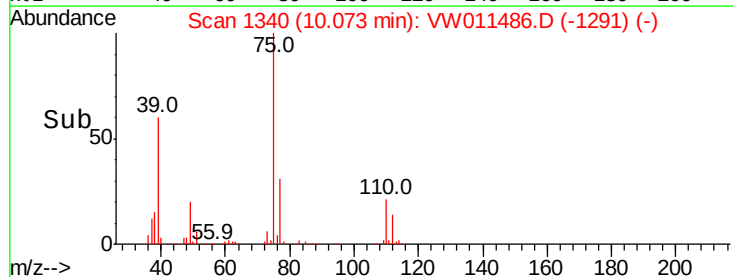
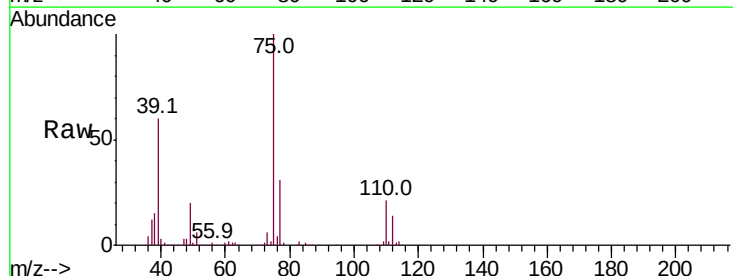
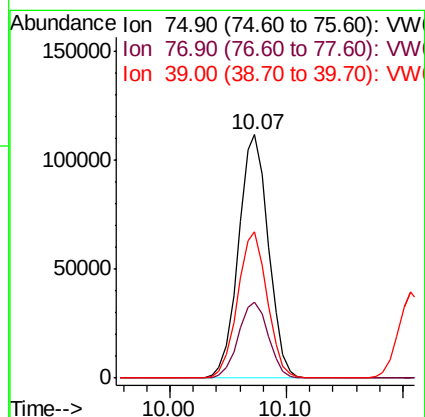
Delta R.T. -0.00 min

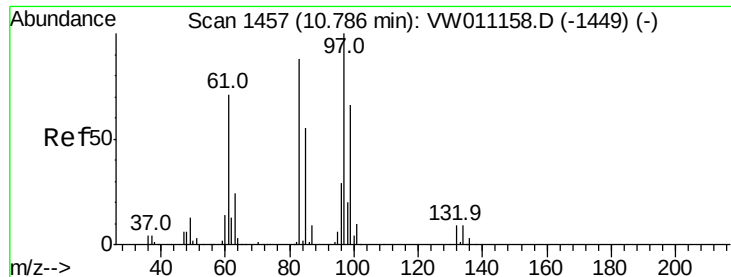
Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Tgt Ion: 75 Resp: 200428

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.7	38.5
39	60.2	49.8	74.8





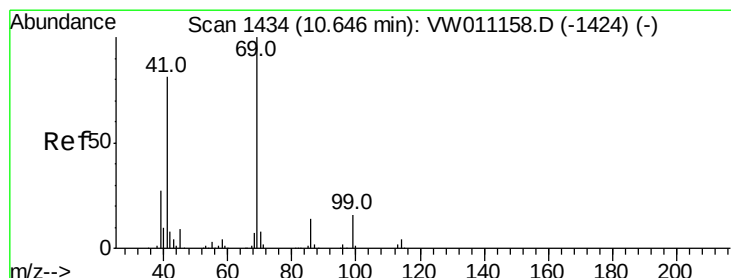
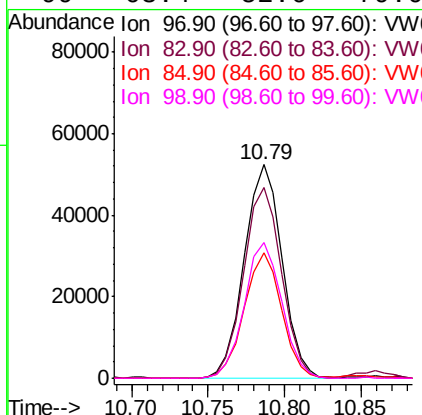
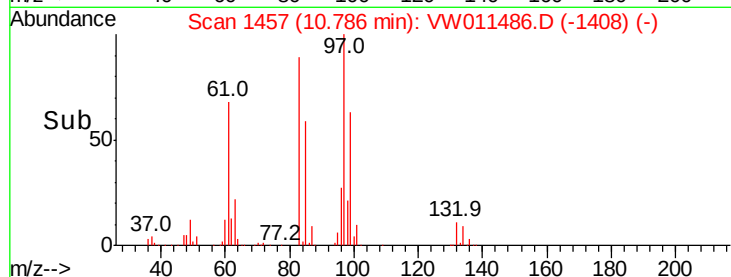
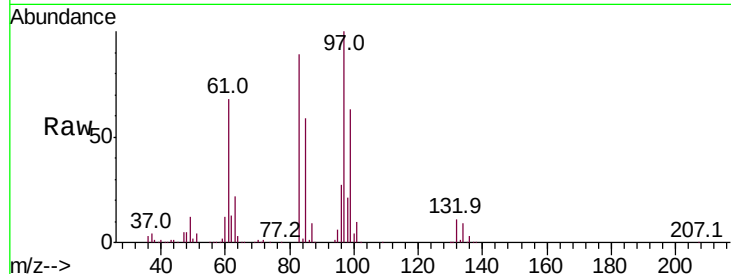
#55
 1,1,2-Trichloroethane
 Concen: 46.990 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	90505
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.2	105.4
85	58.8	44.2	66.2
99	63.4	52.6	79.0

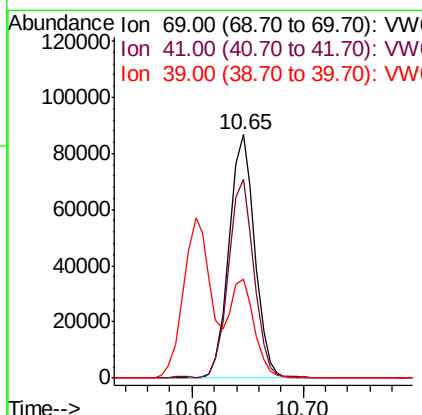
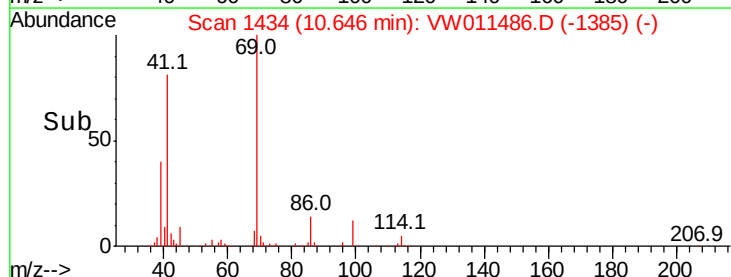
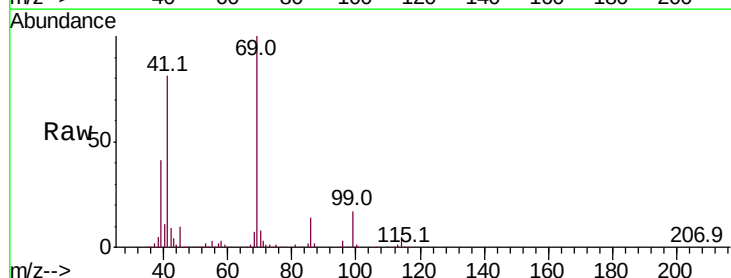
Manual Integrations
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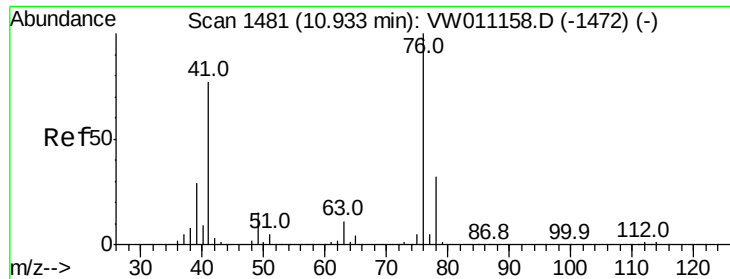
MMDadoda
 7/25/2019 8:18:15 AM



#56
 Ethyl methacrylate
 Concen: 47.248 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Tgt Ion:	69	Resp:	138547
Ion	Ratio	Lower	Upper
69	100		
41	80.4	66.5	99.7
39	37.7	32.5	48.7





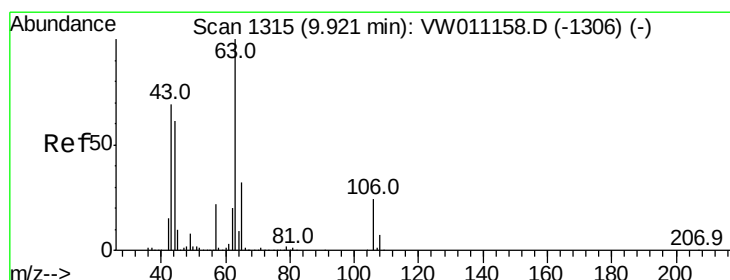
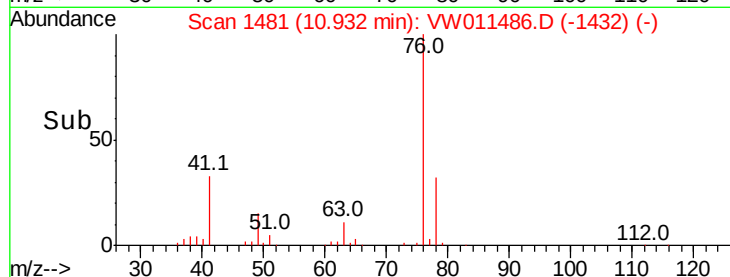
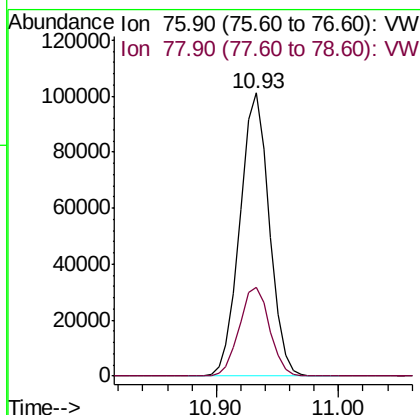
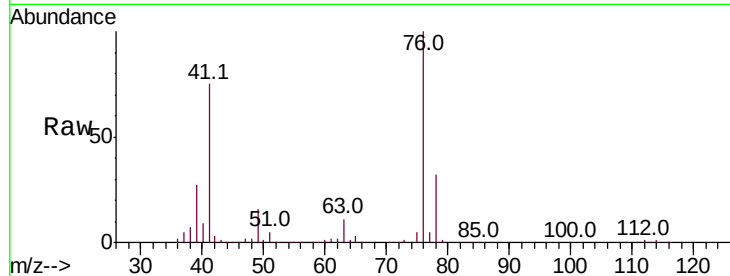
#57
 1,3-Dichloropropane
 Concen: 46.312 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 168674
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

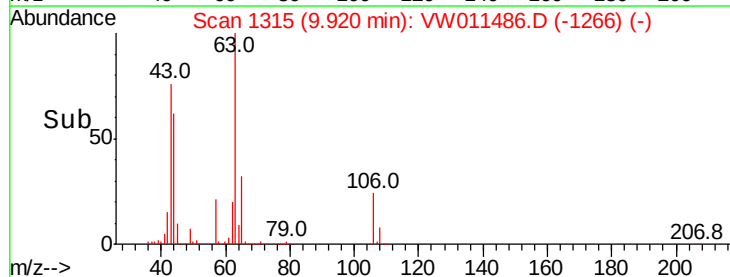
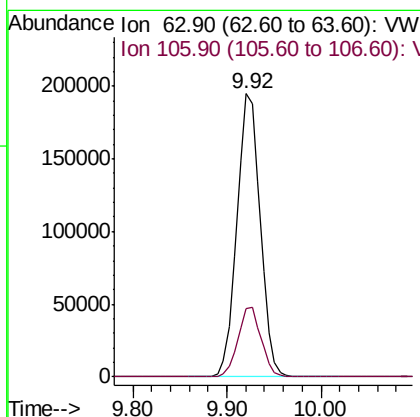
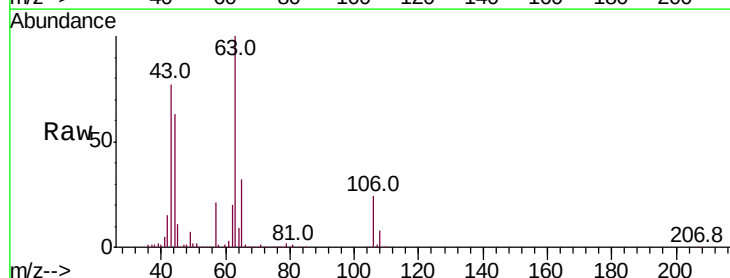
Manual Integrations
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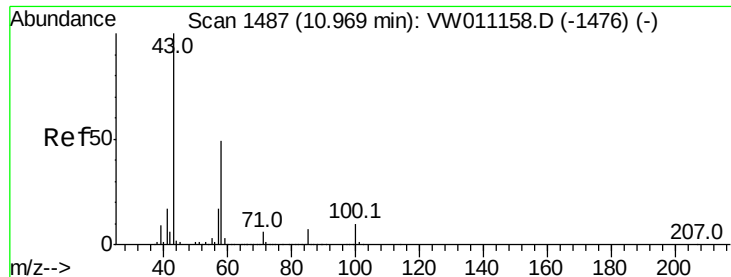
MMDadoda
 7/25/2019 8:18:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.041 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Tgt Ion: 63 Resp: 334477
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.4 29.0





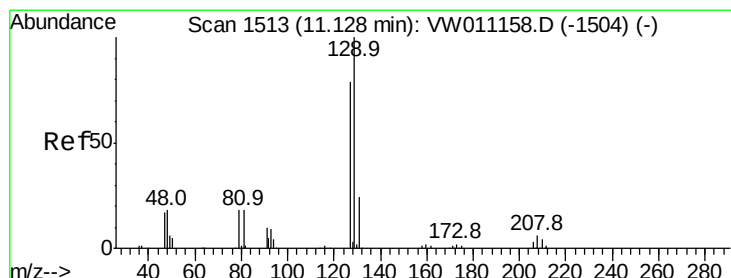
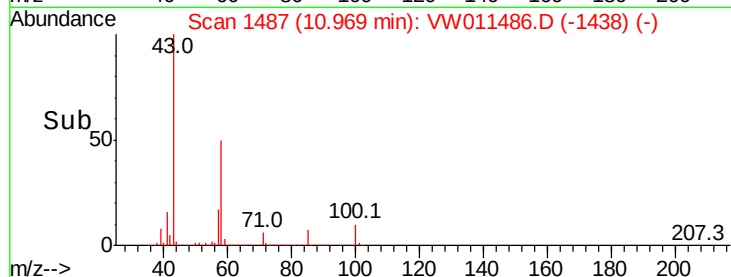
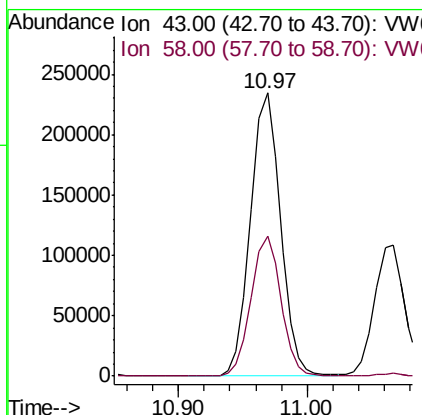
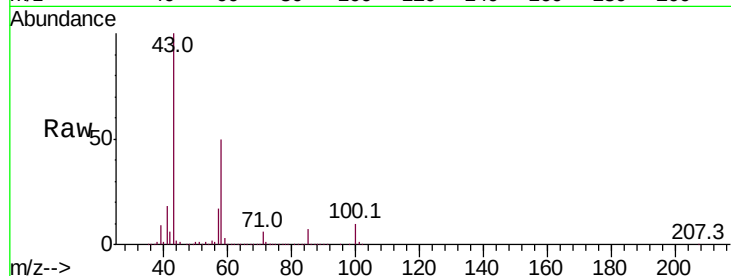
#59
2-Hexanone
Concen: 238.036 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 377762
Ion Ratio Lower Upper
43 100
58 49.3 24.4 73.4

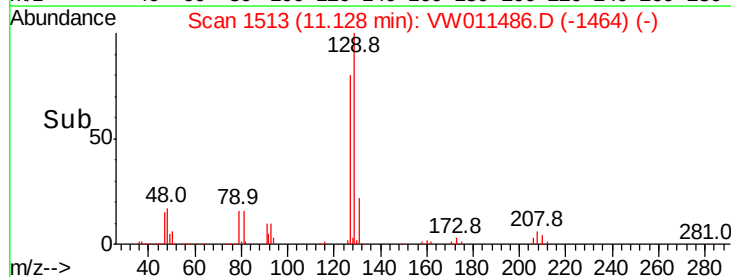
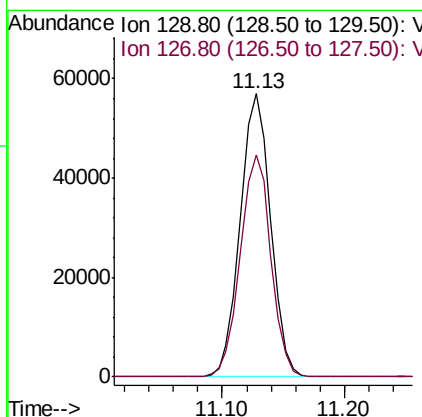
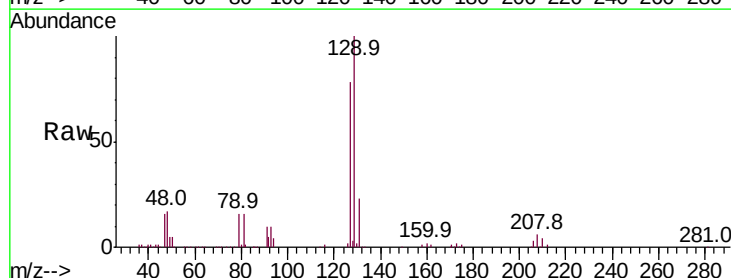
Manual Integrations
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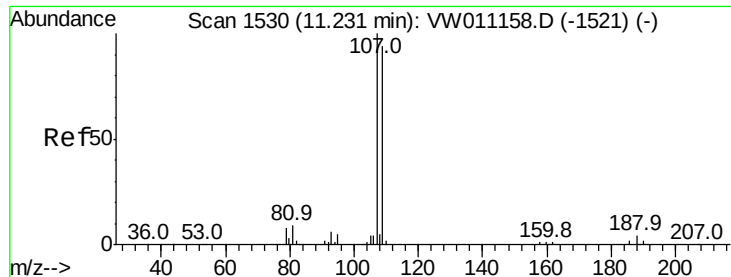
MMDadoda
7/25/2019 8:18:15 AM



#60
Dibromochloromethane
Concen: 46.631 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion: 129 Resp: 98487
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.3





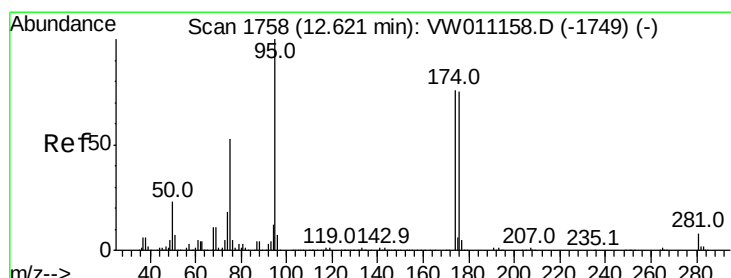
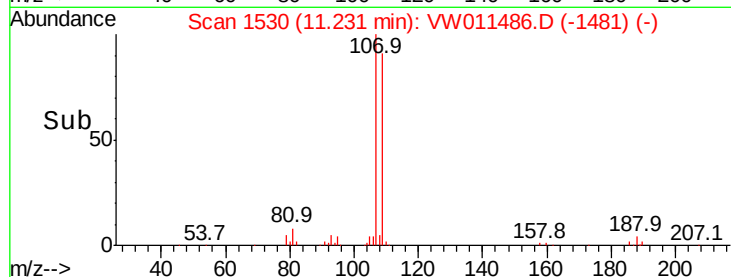
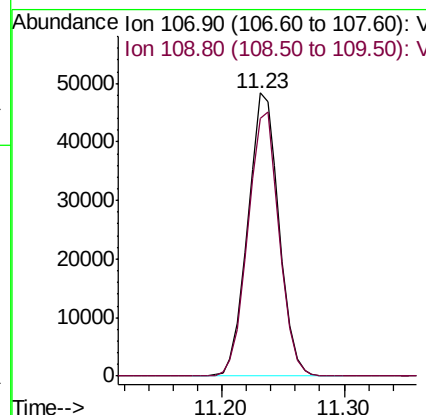
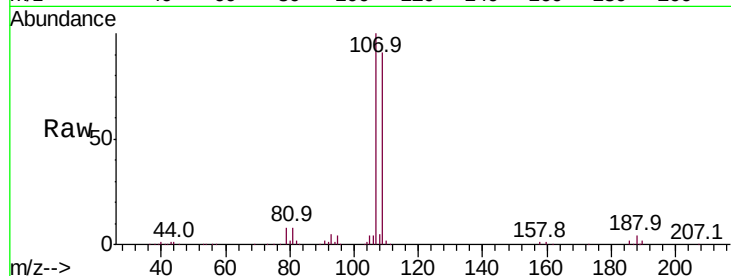
#61
 1,2-Dibromoethane
 Concen: 46.695 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8

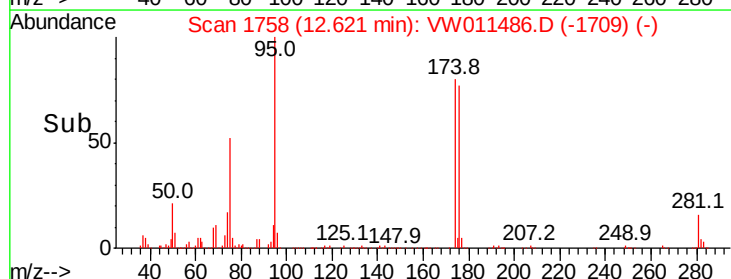
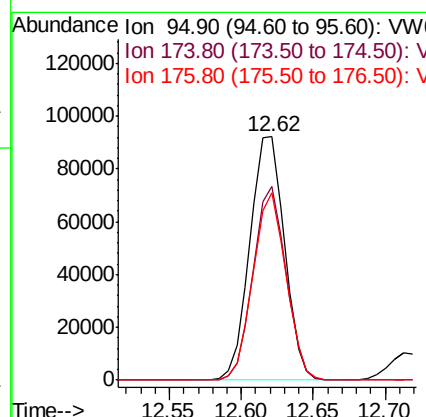
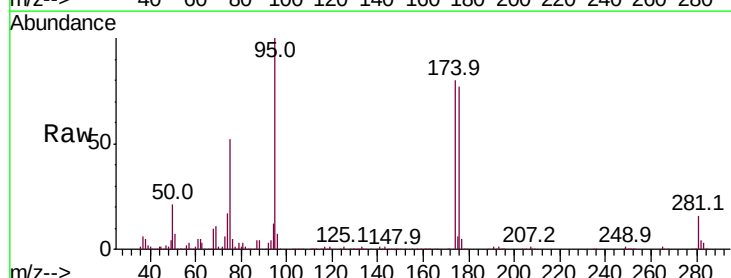
Manual Integrations
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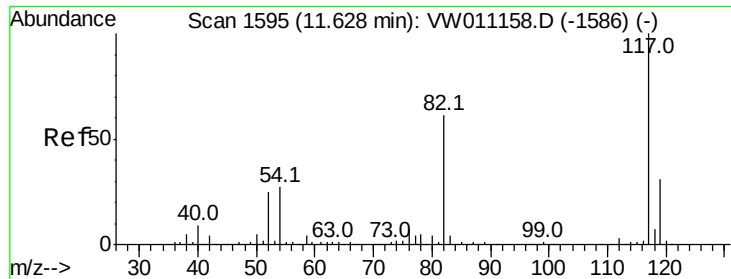
MMDadoda
 7/25/2019 8:18:15 AM



#62
 4-Bromofluorobenzene
 Concen: 47.845 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	147.6
176	73.5	0.0	144.6





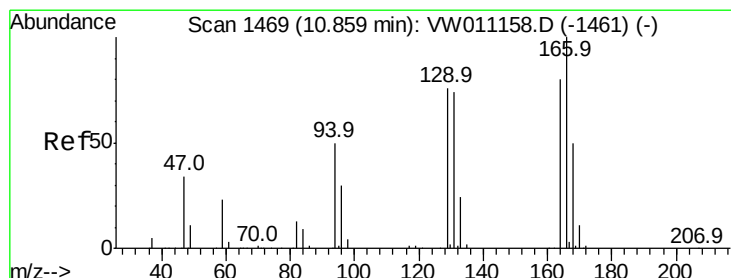
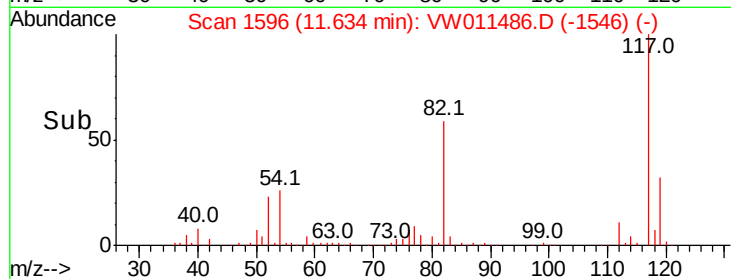
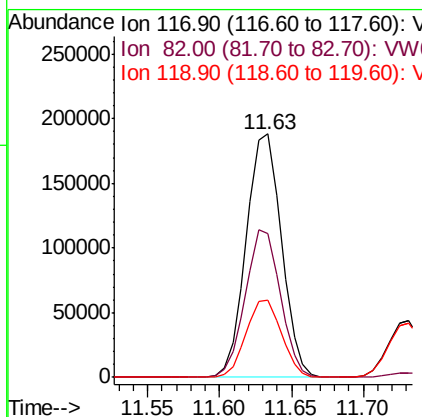
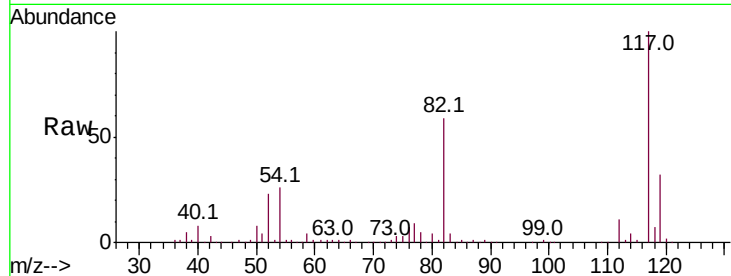
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	48.9	73.3
119	32.0	25.0	37.6

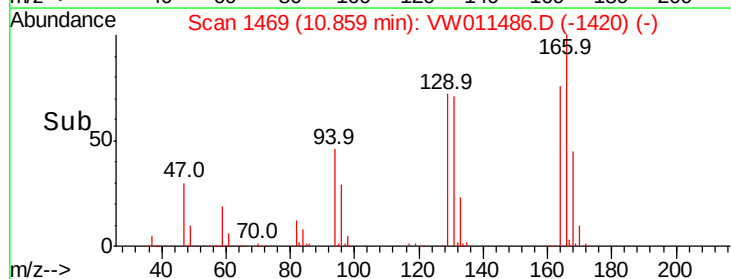
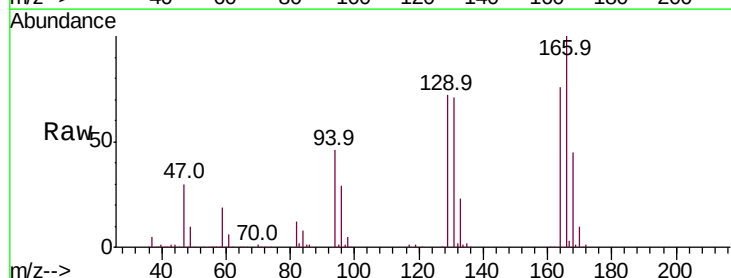
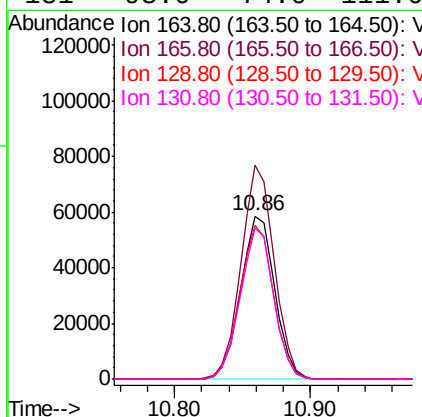
Manual Integrations
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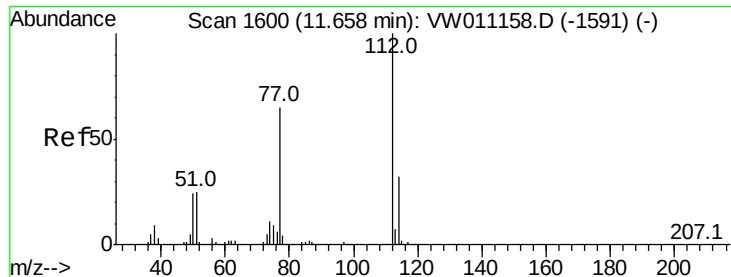
MMDadoda
7/25/2019 8:18:15 AM



#64
Tetrachloroethene
Concen: 47.429 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	99.7	149.5
129	94.4	76.2	114.2
131	93.0	74.0	111.0





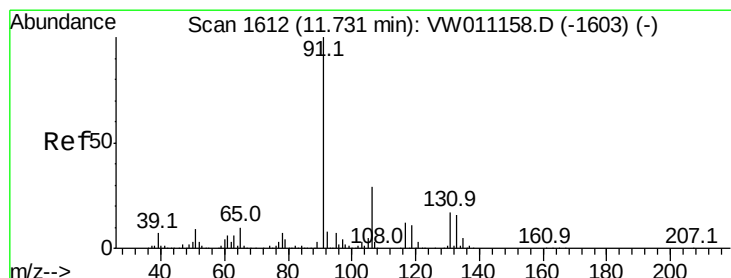
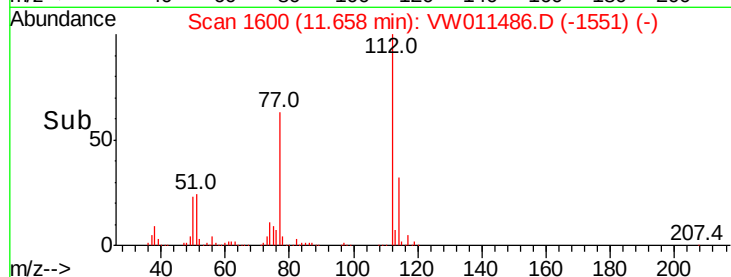
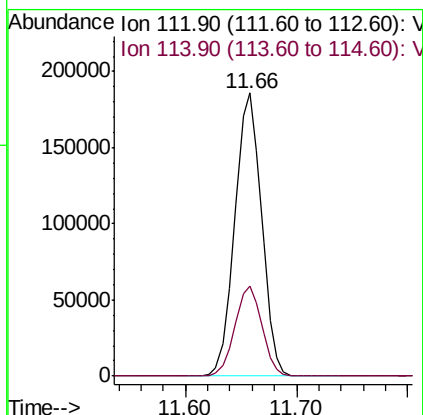
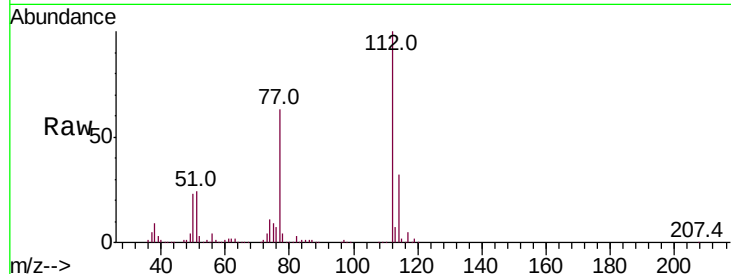
#65
Chlorobenzene
Concen: 47.544 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.5	38.3

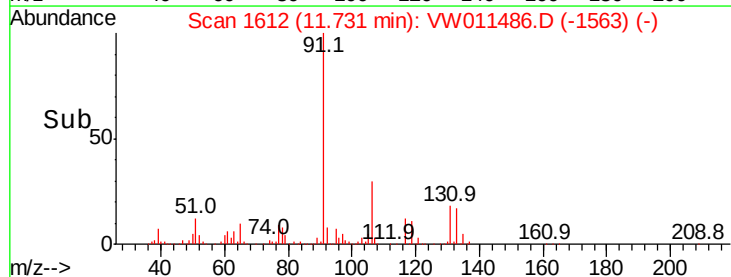
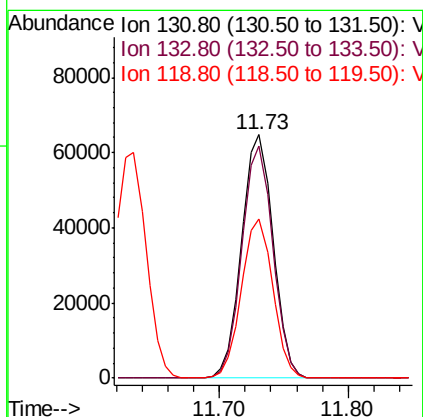
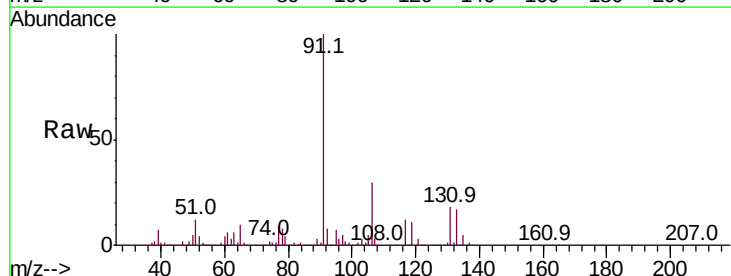
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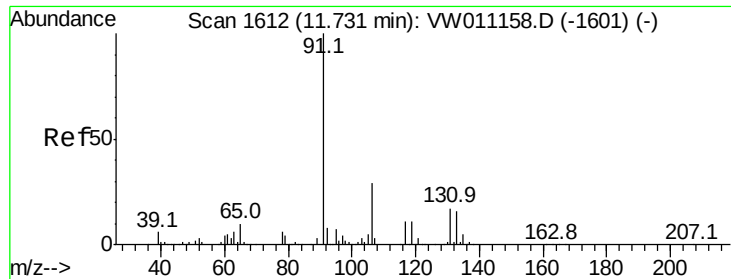
MMDadoda
7/25/2019 8:18:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.802 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.9	143.8
119	65.3	33.1	99.2





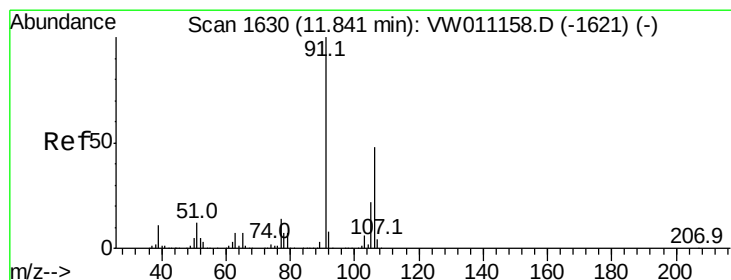
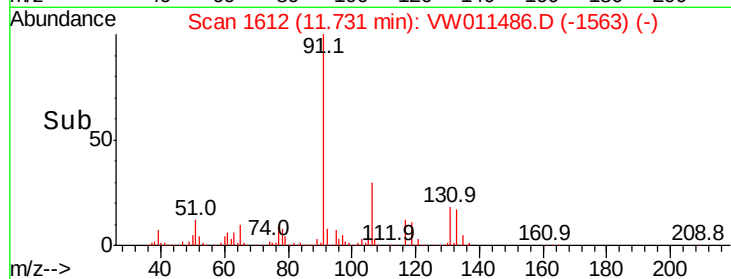
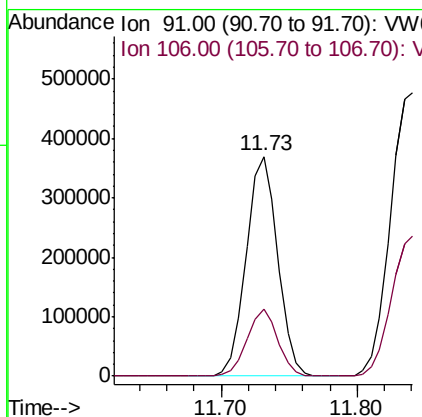
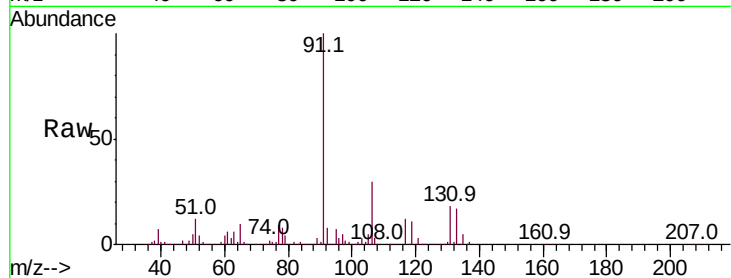
#67
Ethyl Benzene
Concen: 48.073 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.5	35.3

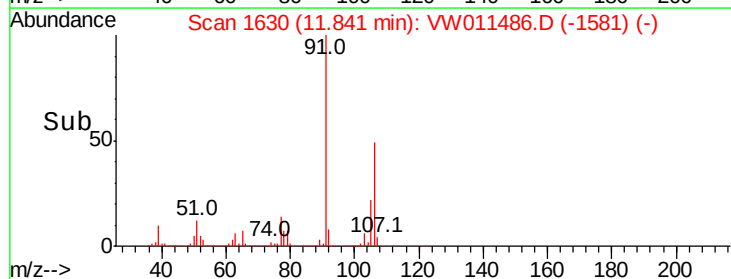
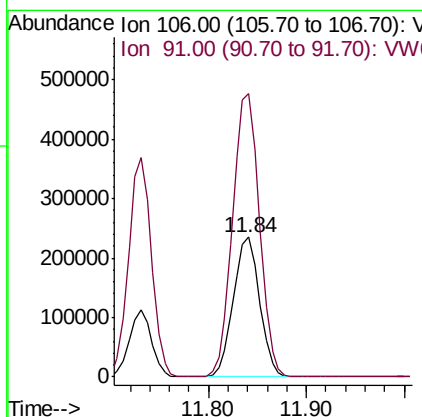
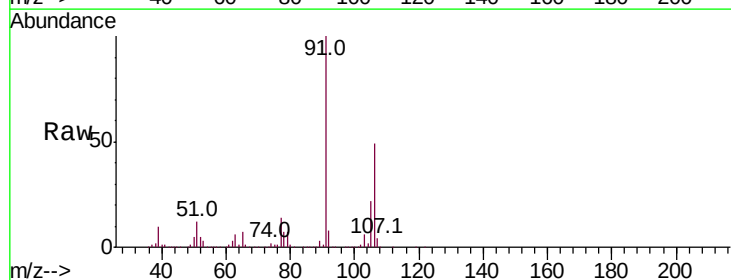
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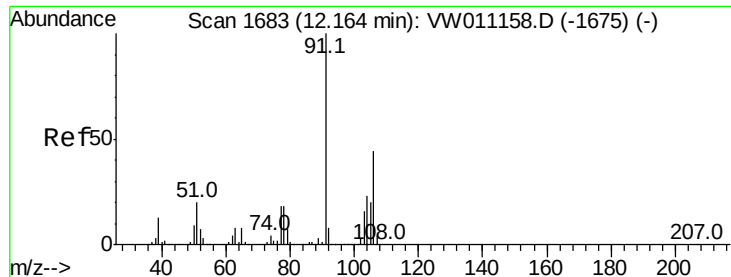
MMDadoda
7/25/2019 8:18:15 AM



#68
m/p-Xylenes
Concen: 97.403 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	206.9	167.7	251.5





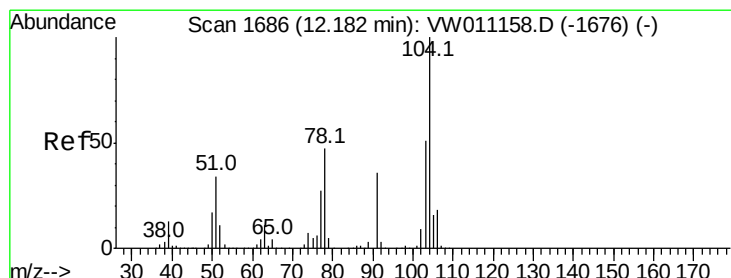
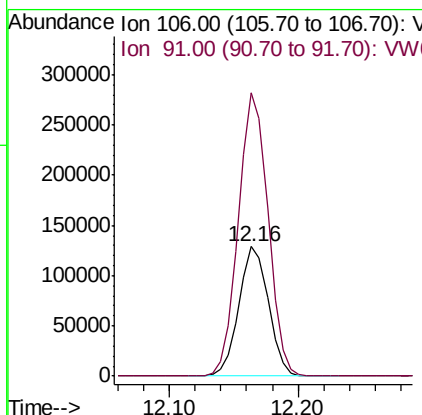
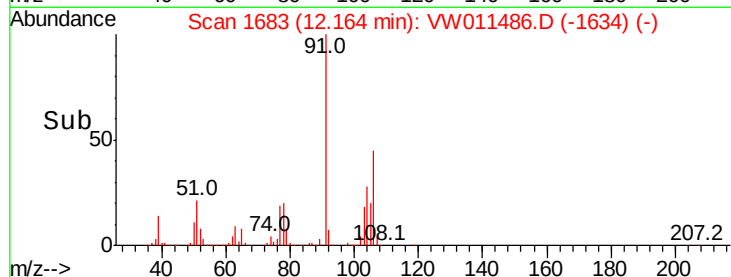
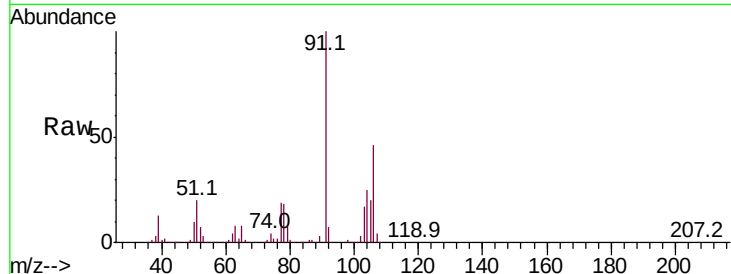
#69
o-Xylene
Concen: 48.150 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 204358
Ion Ratio Lower Upper
106 100
91 220.2 110.7 332.1

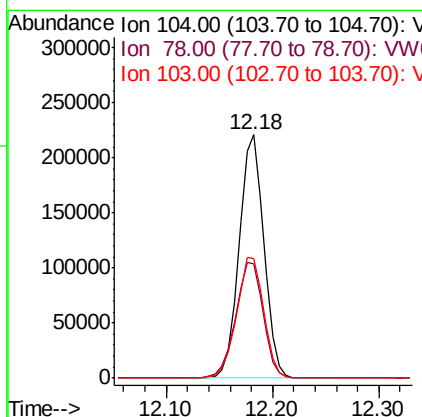
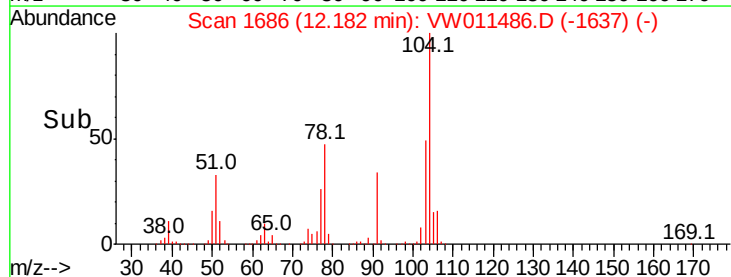
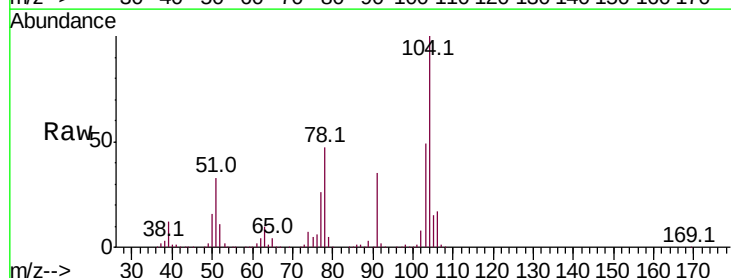
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APPROVED

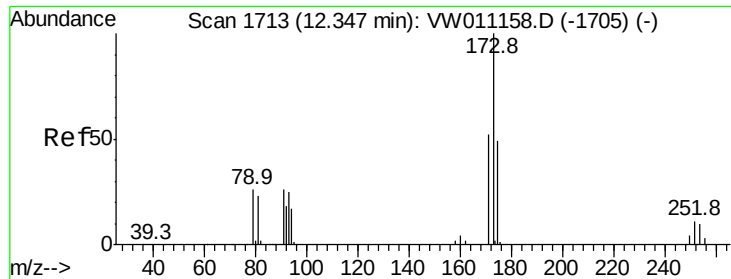
MMDadoda
7/25/2019 8:18:15 AM



#70
Styrene
Concen: 49.218 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion:104 Resp: 360512
Ion Ratio Lower Upper
104 100
78 52.9 43.1 64.7
103 54.3 44.1 66.1





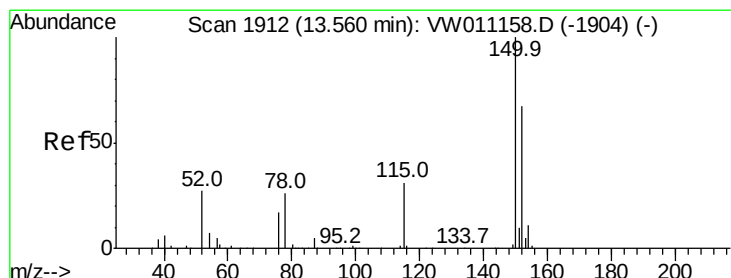
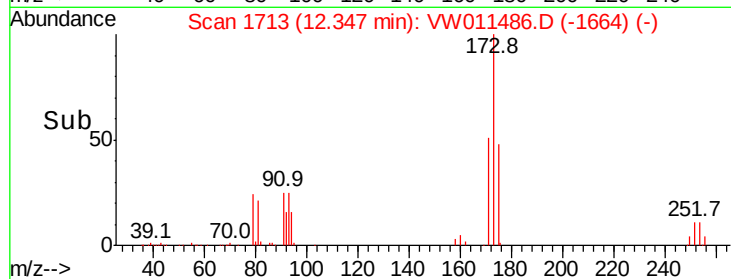
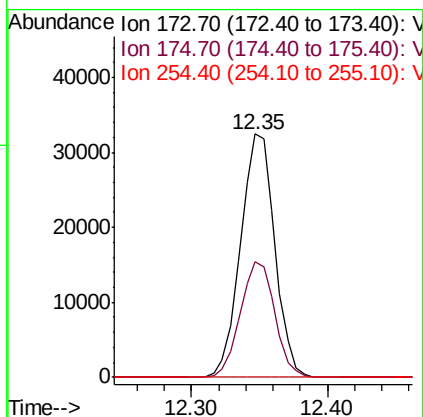
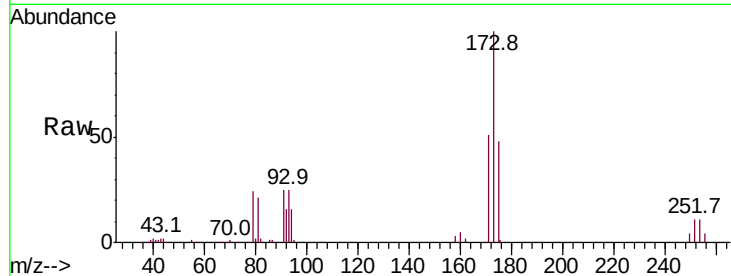
#71
Bromoform
Concen: 46.721 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.8	74.3
254	0.1	0.0	0.0

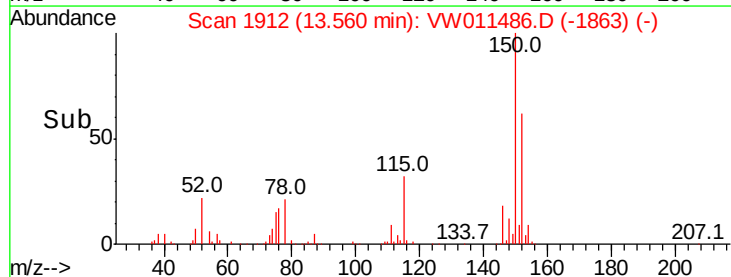
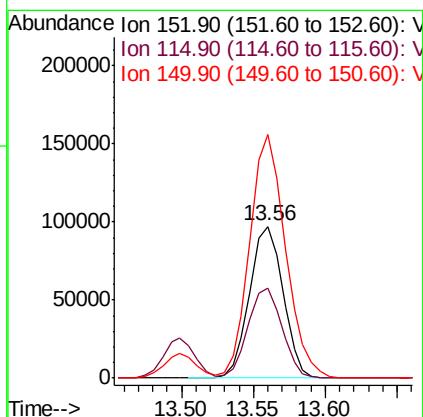
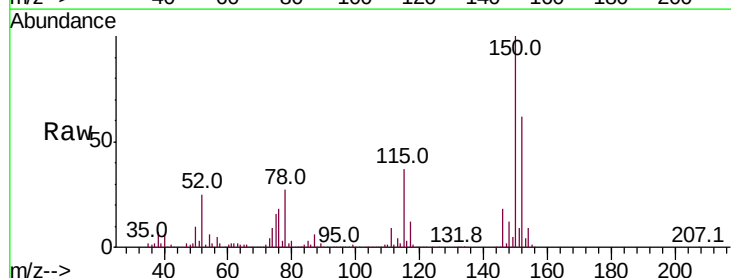
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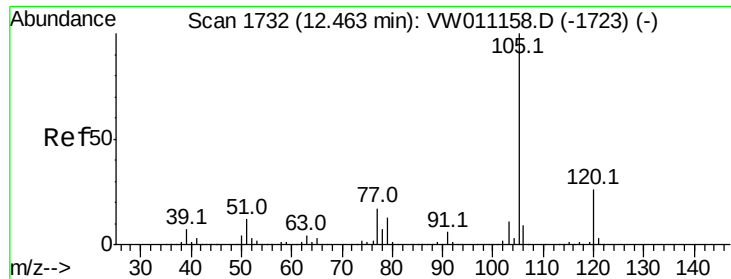
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.1	90.3
150	171.8	0.0	346.0





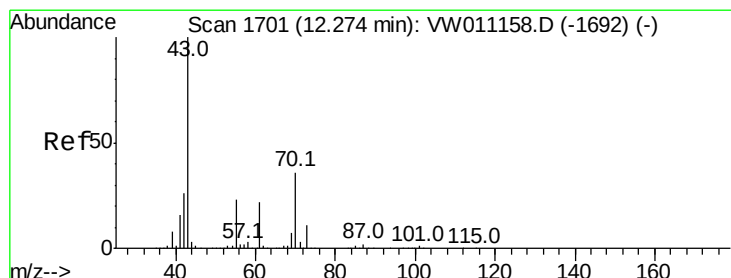
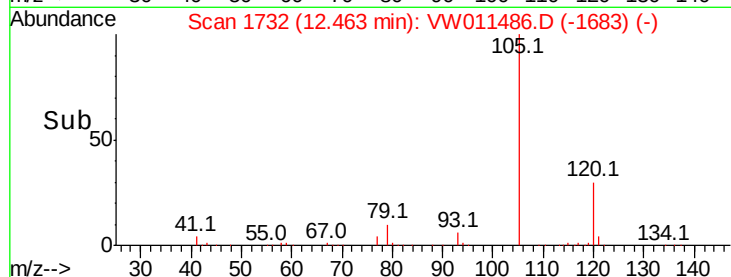
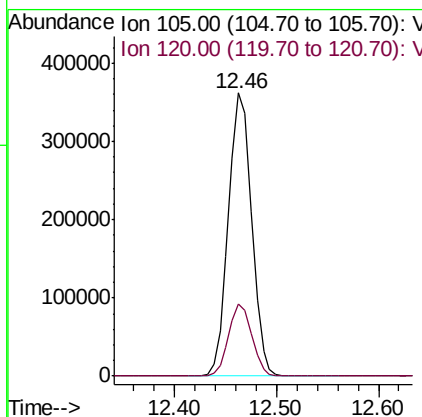
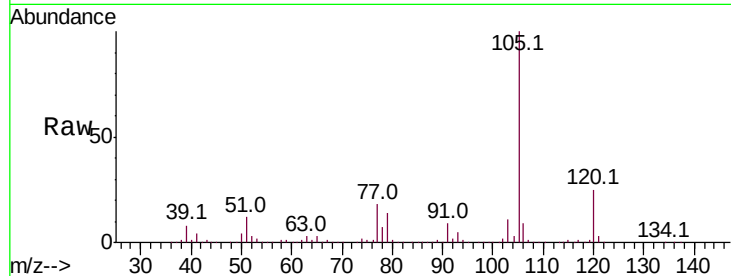
#73
Isopropylbenzene
Concen: 48.802 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 569743
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.3

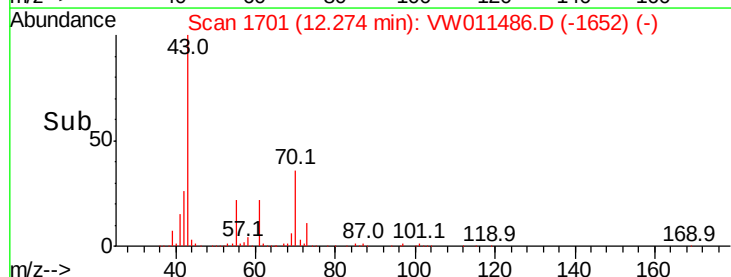
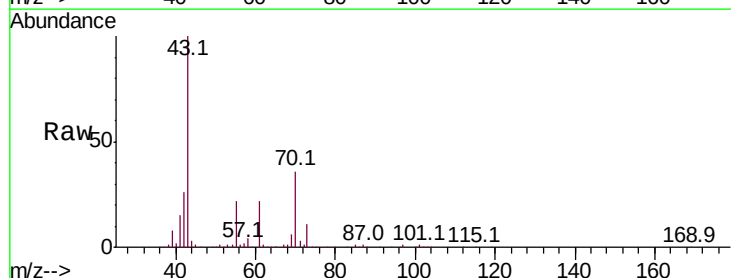
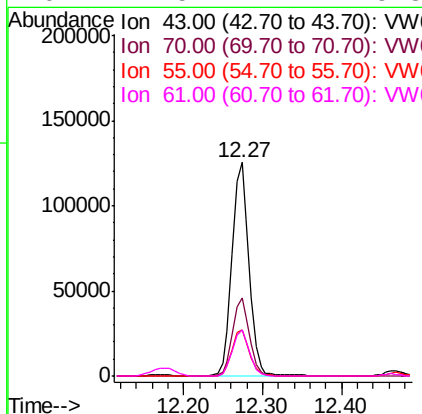
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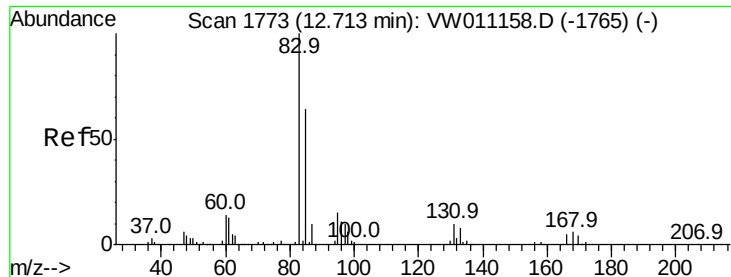
MMDadoda
7/25/2019 8:18:15 AM



#74
N-ethyl acetate
Concen: 46.287 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion: 43 Resp: 188201
Ion Ratio Lower Upper
43 100
70 36.1 28.5 42.7
55 22.2 18.1 27.1
61 21.5 17.2 25.8





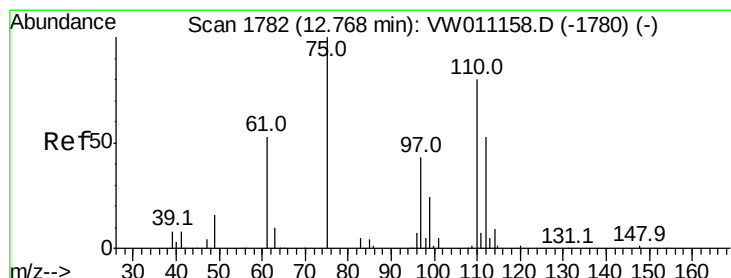
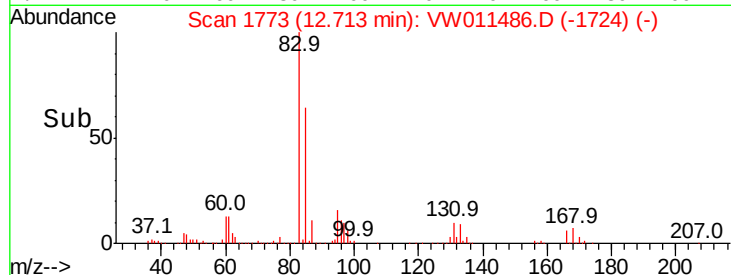
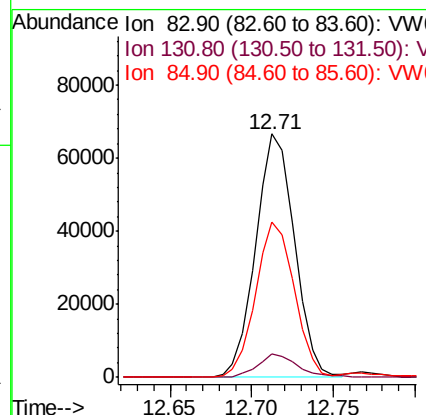
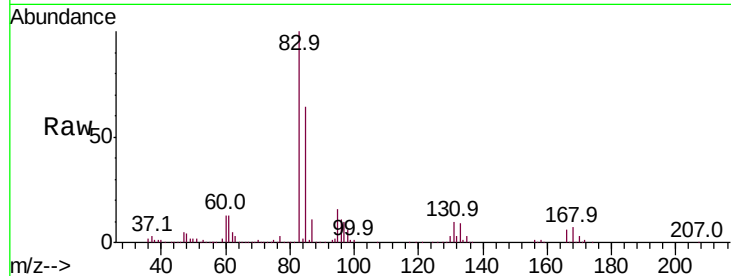
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.155 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	63.4	31.6	94.8

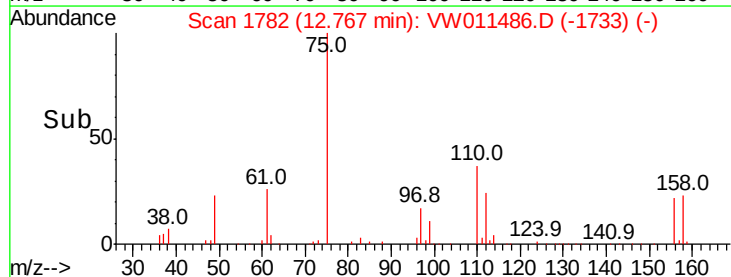
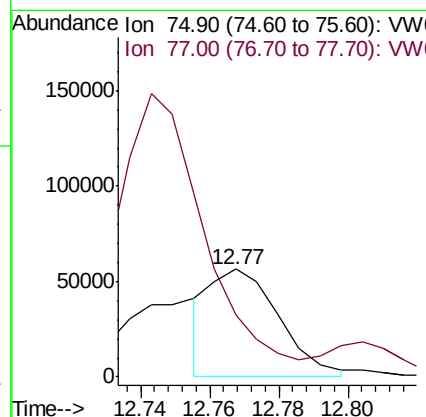
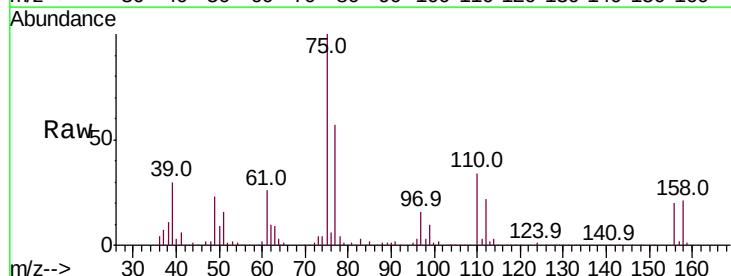
Manual Integrations
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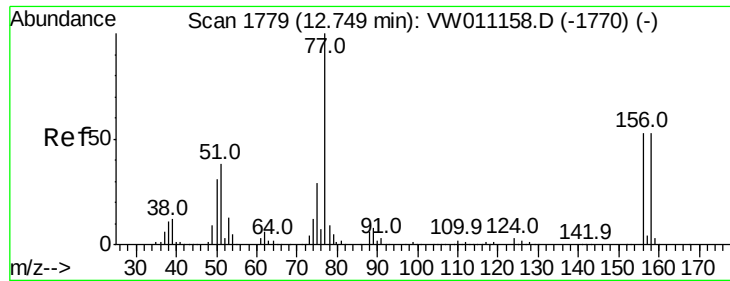
MMDadoda
 7/25/2019 8:18:15 AM



#76
 1,2,3-Trichloropropane
 Concen: 43.501 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.585 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

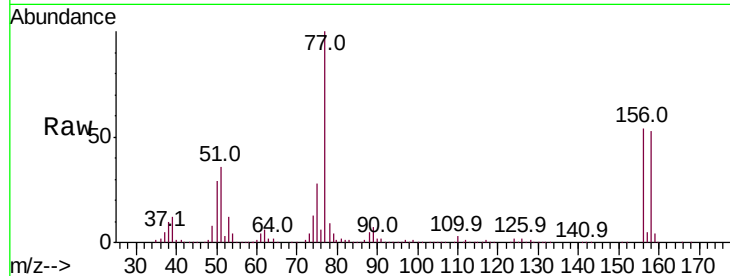
ClientSampleId :

VSTDCCC050EC

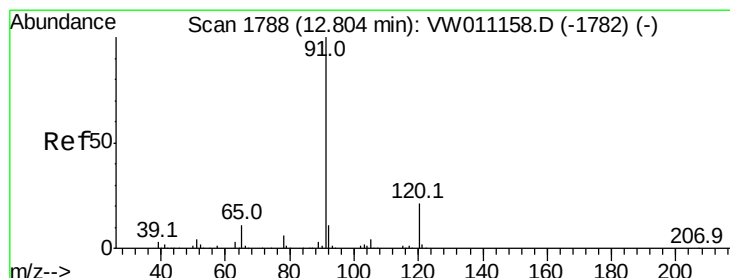
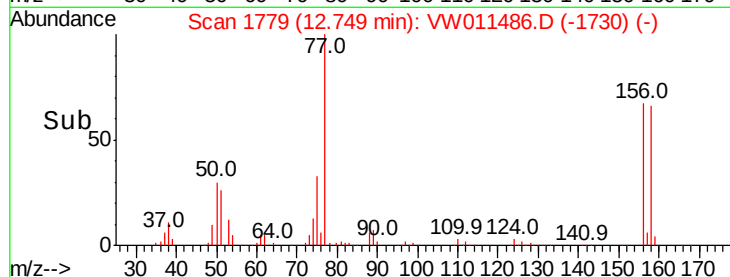
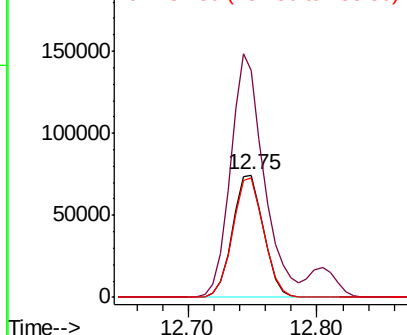
Tot Ion:	156	Resp:	124670
Ion Ratio	Lower	Upper	
156	100		
77	214.1	109.0	327.0
158	97.7	48.8	146.3

Manual Integrations
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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: 48.150 ug/l

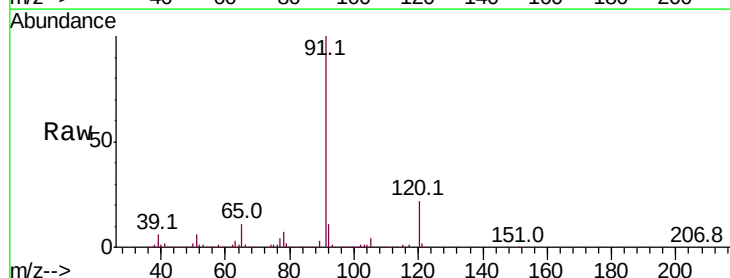
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

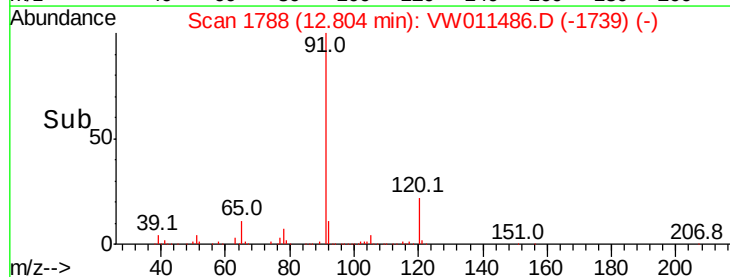
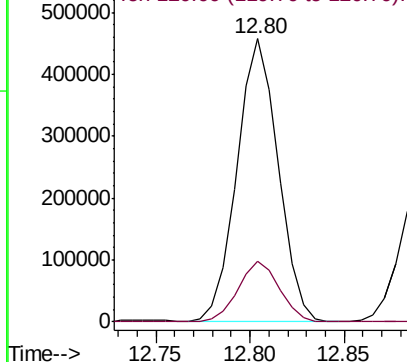
Lab File: VW011486.D

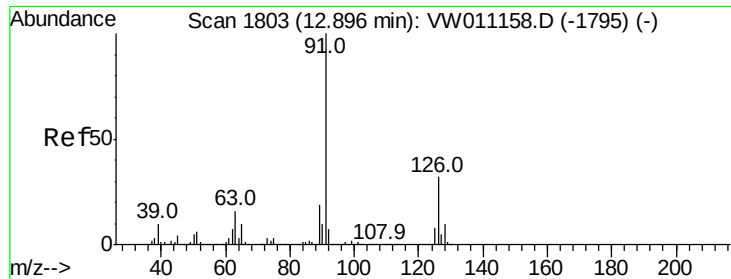
Acq: 24 Jul 2019 20:10

Tgt Ion:	91	Resp:	692468
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: 48.060 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 397733

Ion Ratio Lower Upper

91 100

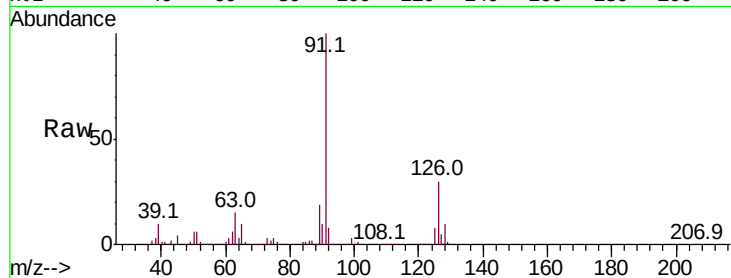
126 30.9 15.8 47.3

Manual Integrations

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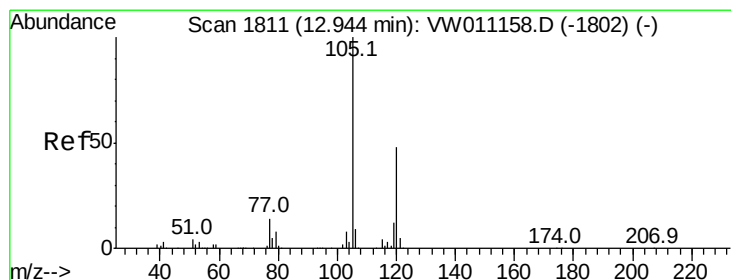
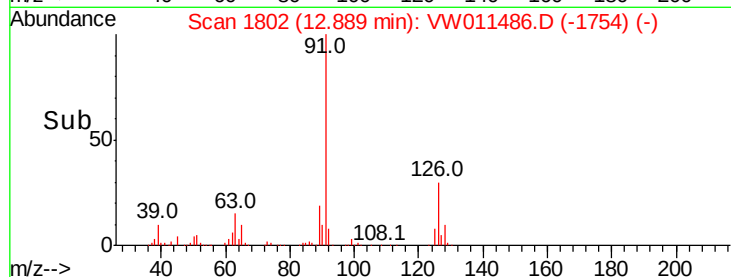
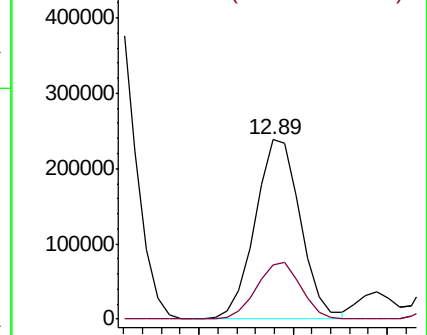
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.001 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011486.D

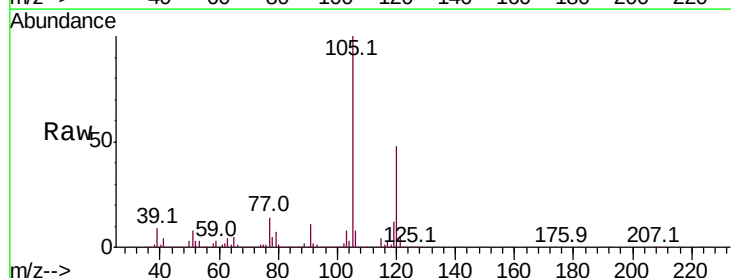
Acq: 24 Jul 2019 20:10

Tgt Ion:105 Resp: 476078

Ion Ratio Lower Upper

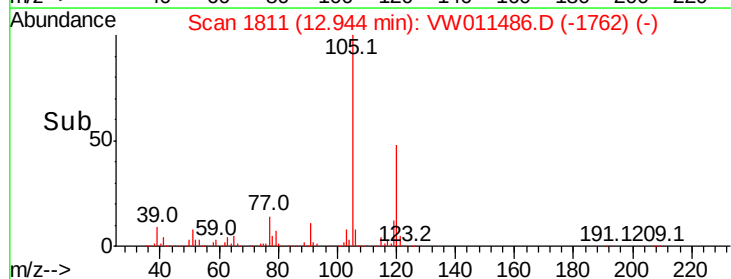
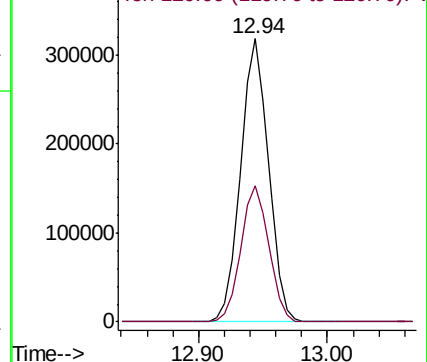
105 100

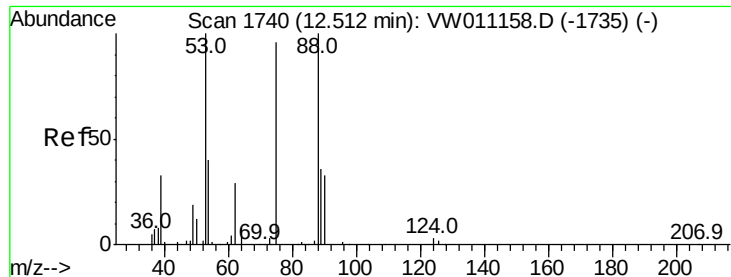
120 48.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





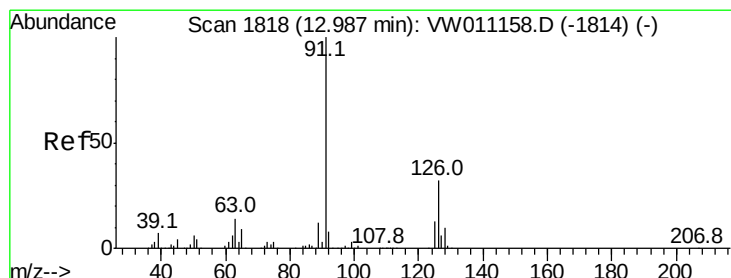
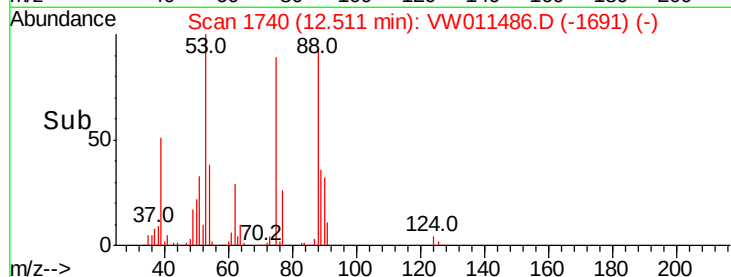
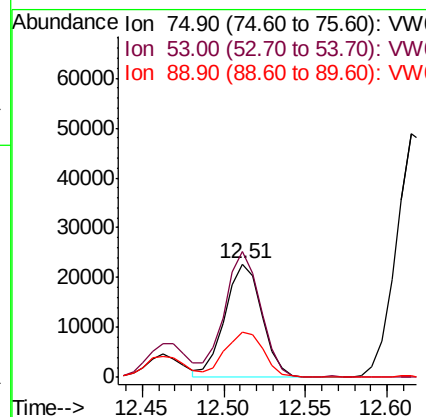
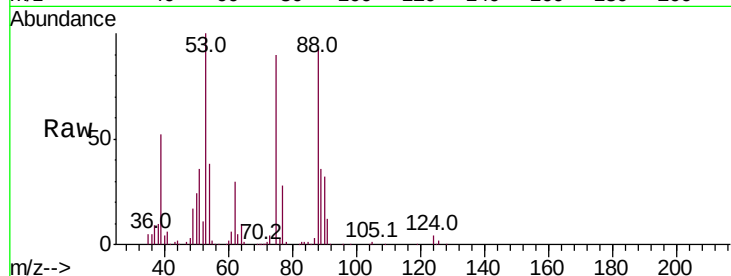
#81
trans-1,4-Dichloro-2-butene
Concen: 44.709 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.6	89.8	134.6
89	42.1	34.3	51.5

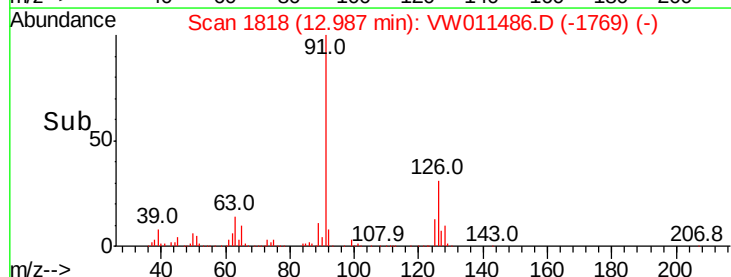
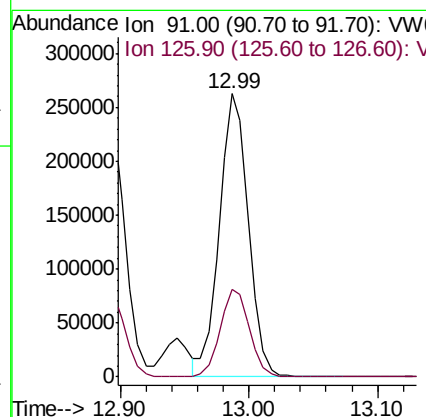
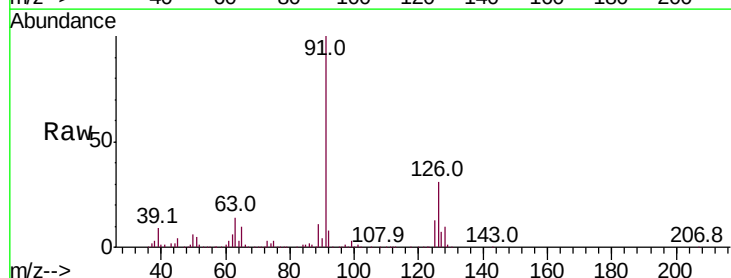
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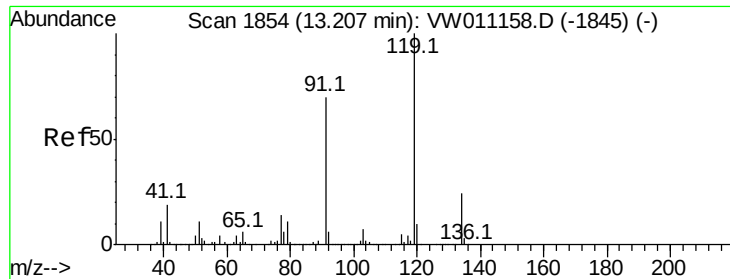
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#82
4-Chlorotoluene
Concen: 48.122 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1





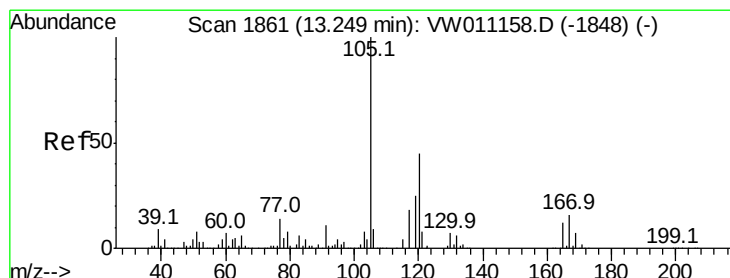
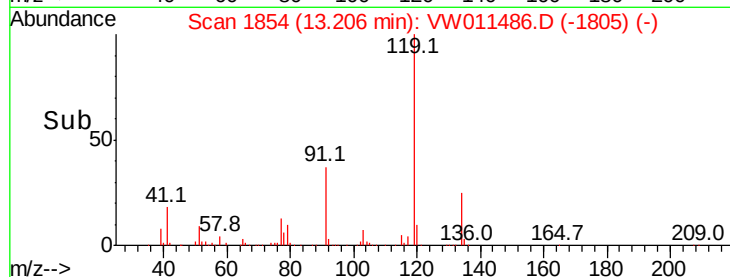
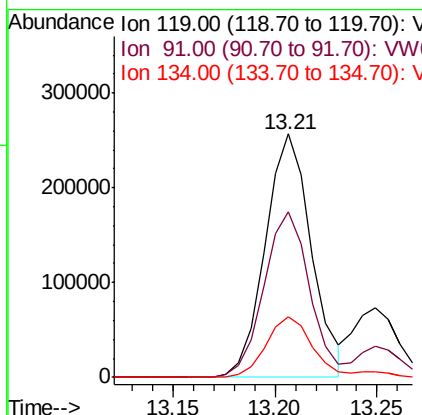
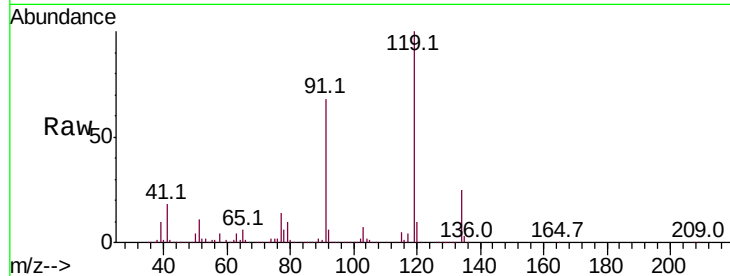
#83
tert-Butylbenzene
Concen: 48.848 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	35.4	106.3
134	26.7	13.4	40.2

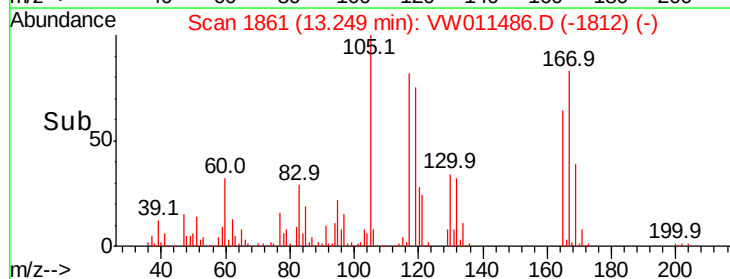
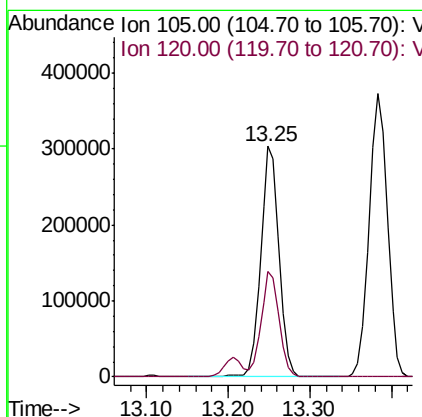
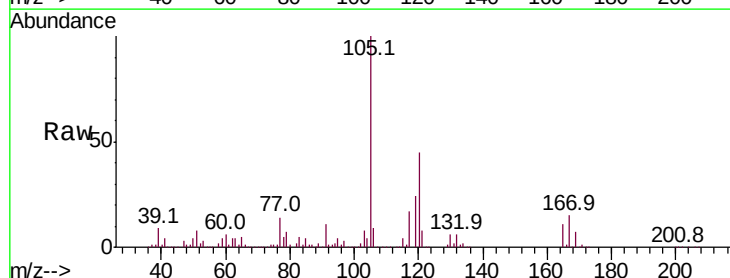
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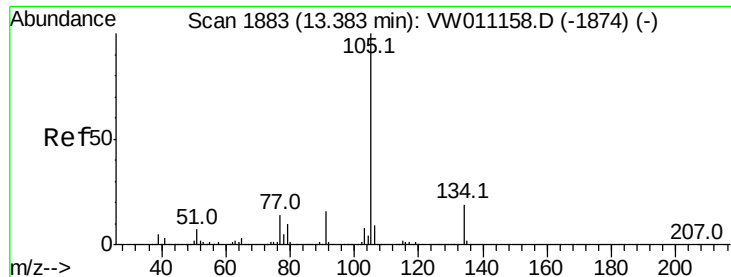
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.876 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 47.877 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 571440

Ion Ratio Lower Upper

105 100

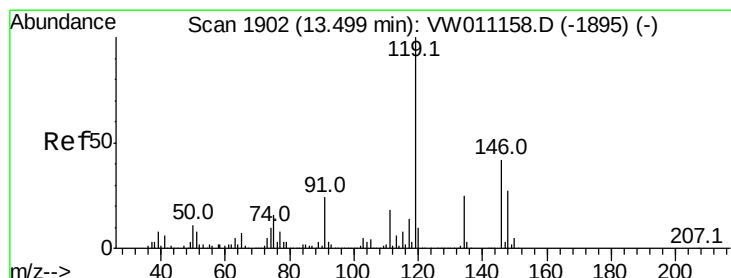
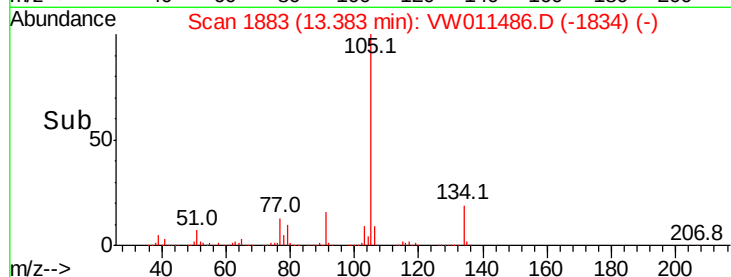
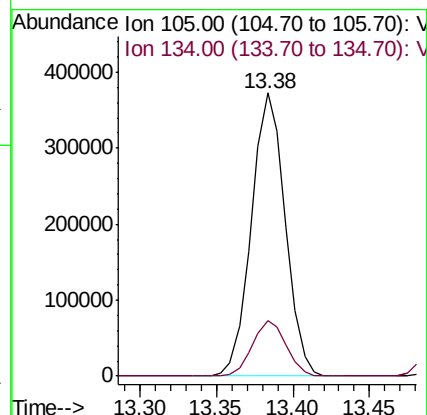
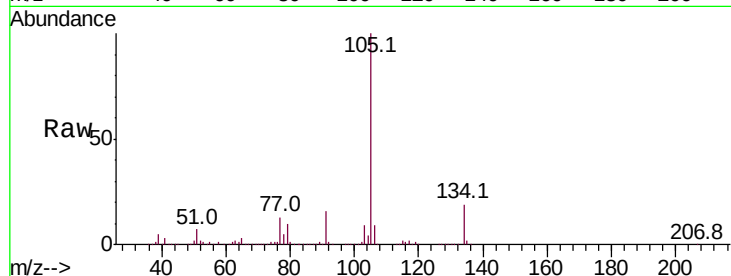
134 19.6 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 48.373 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

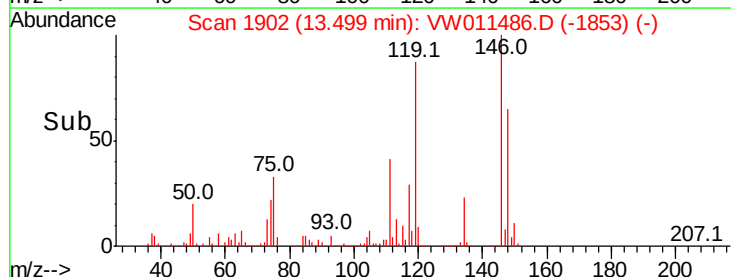
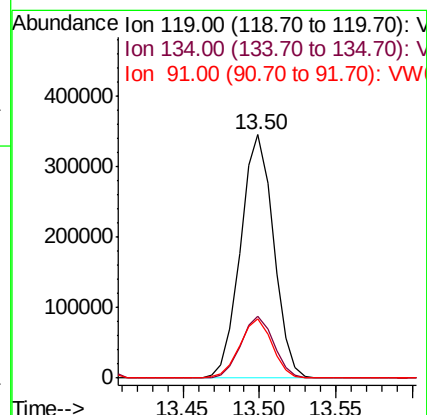
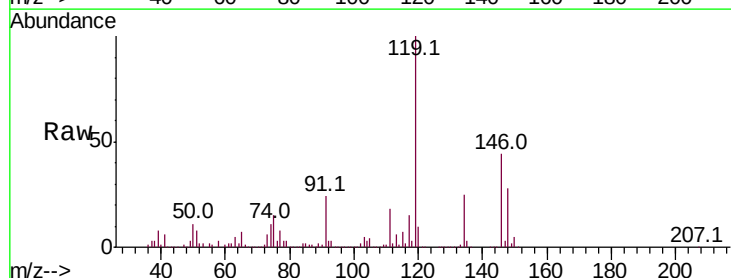
Tgt Ion:119 Resp: 517845

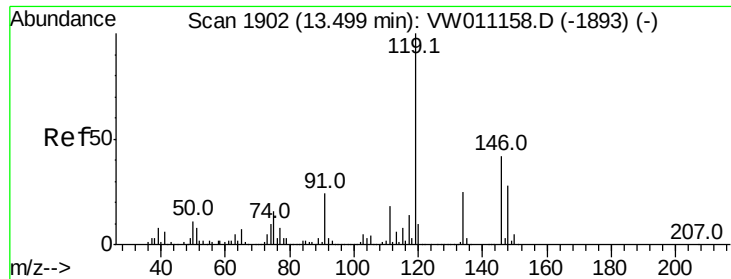
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.6

91 24.1 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 47.676 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Instrument :

MSVOA_W

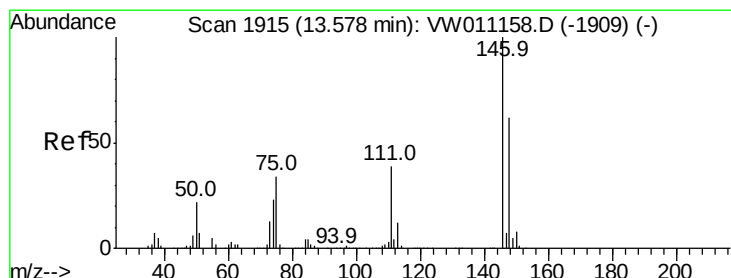
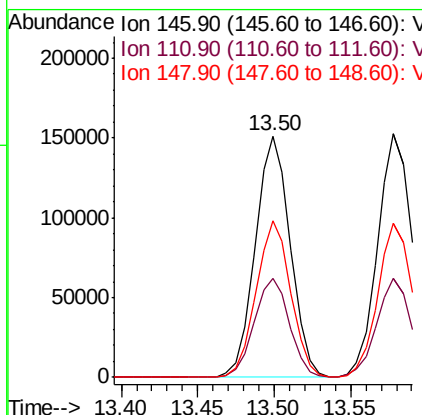
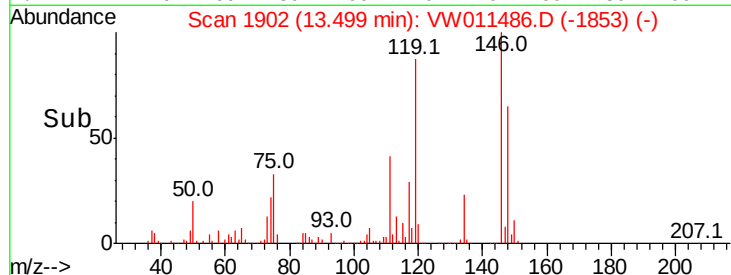
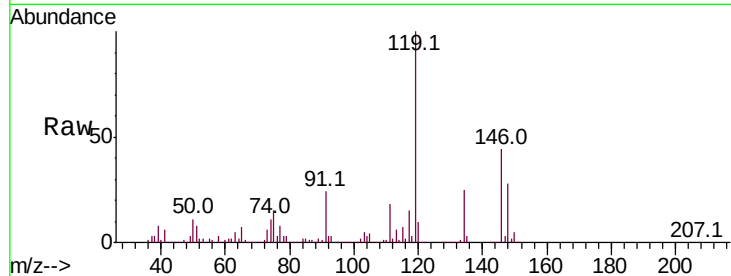
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	240324
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.1	63.1
148	64.3	32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 47.110 ug/l

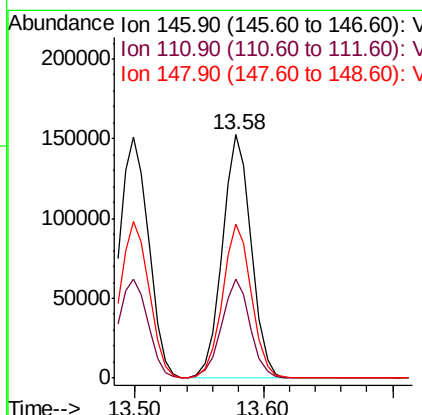
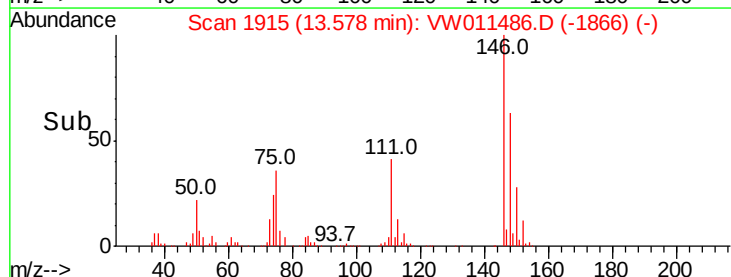
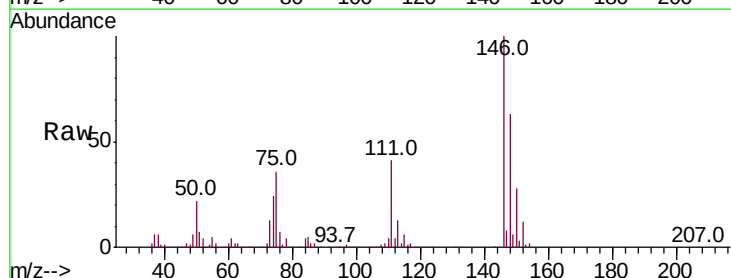
RT: 13.58 min Scan# 1915

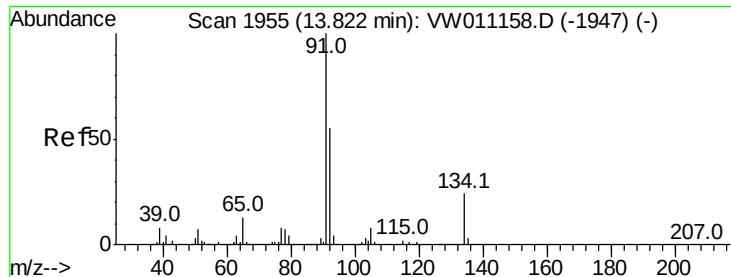
Delta R.T. -0.00 min

Lab File: VW011486.D

Acq: 24 Jul 2019 20:10

Tgt Ion:	146	Resp:	239130
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.9	59.7
148	63.3	31.5	94.5





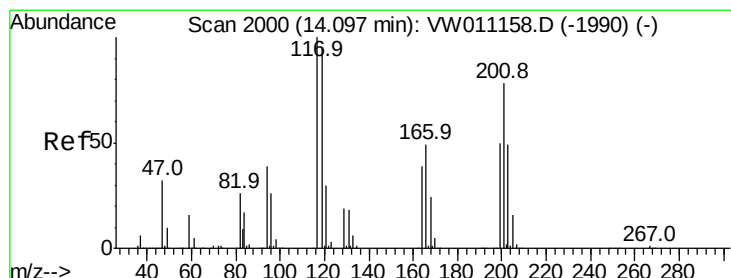
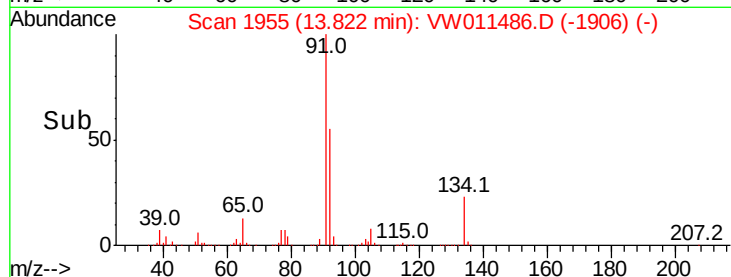
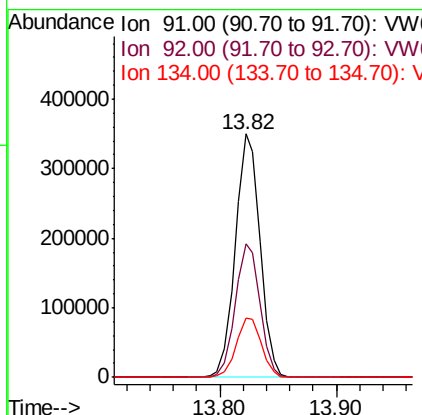
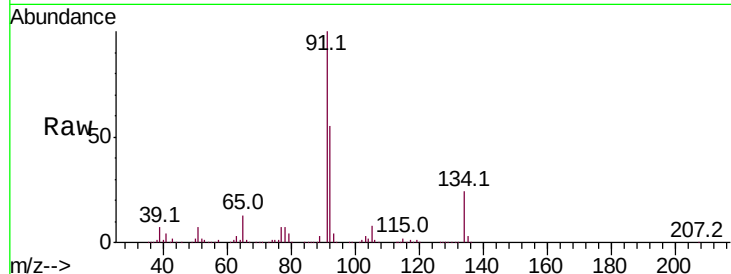
#89
n-Butylbenzene
Concen: 48.361 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.9	26.9	80.7	
134	24.7	12.2	36.4	

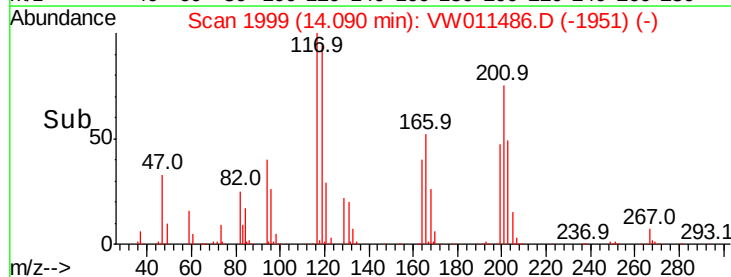
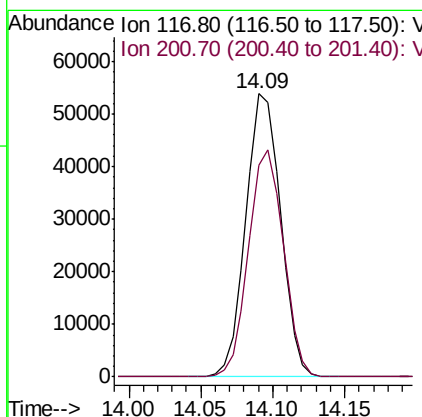
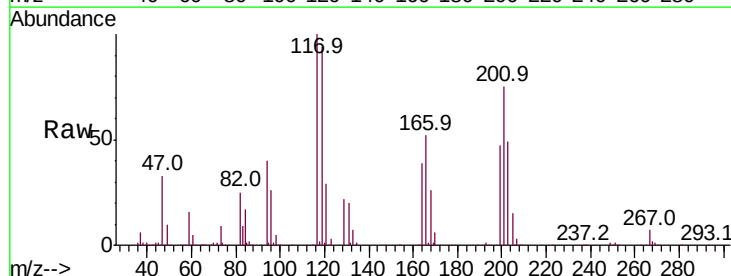
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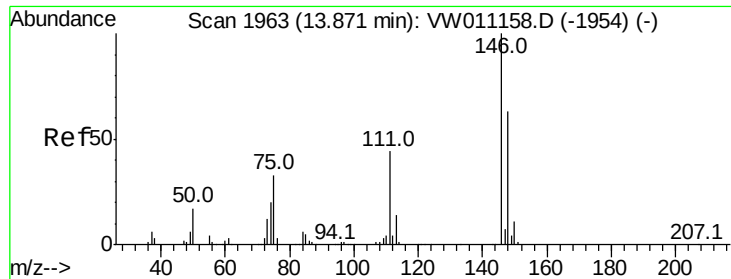
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#90
Hexachloroethane
Concen: 46.125 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	80.3	38.3	114.8	





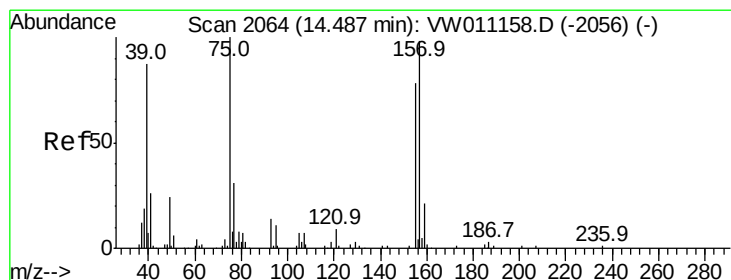
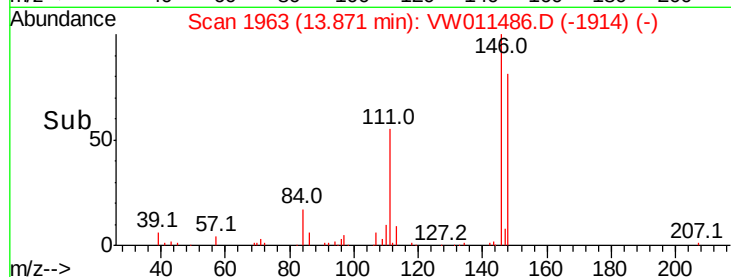
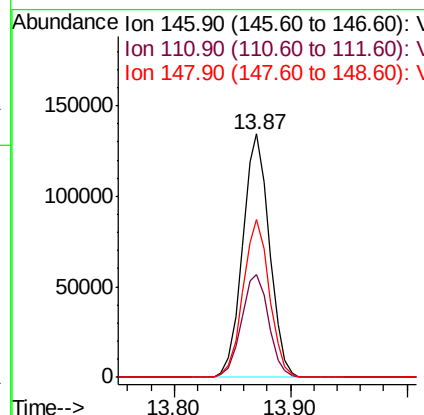
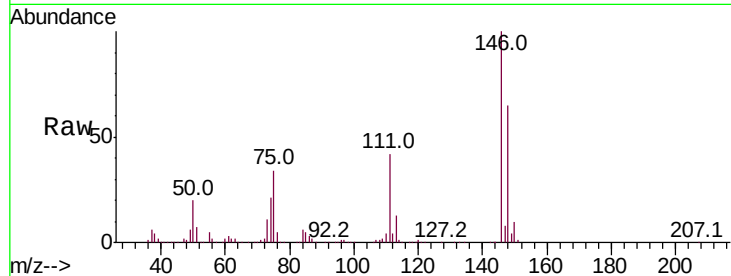
#91
1,2-Dichlorobenzene
Concen: 47.075 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	65.0
148	63.9	31.9	95.5

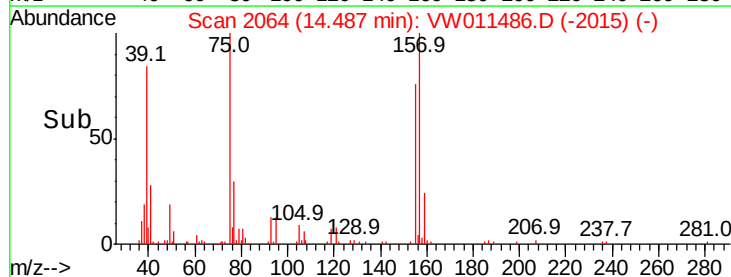
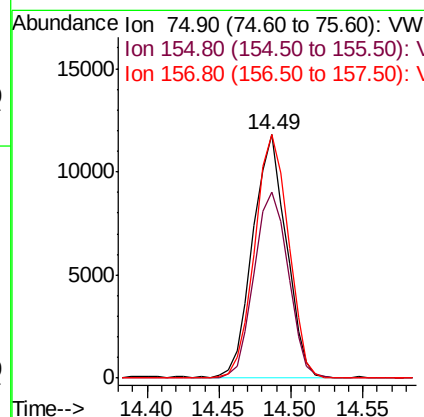
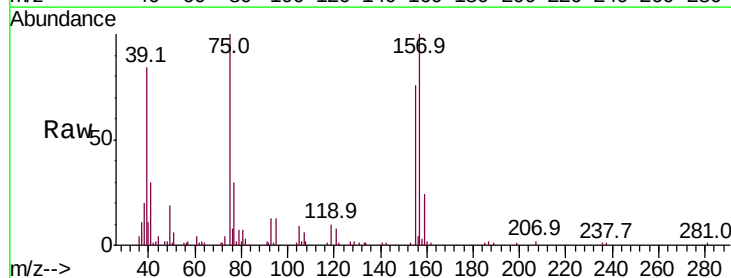
Manual Integrations
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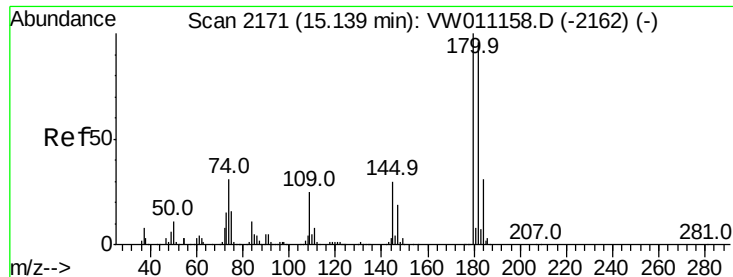
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 44.765 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	37.1	111.3
157	100.5	48.5	145.6





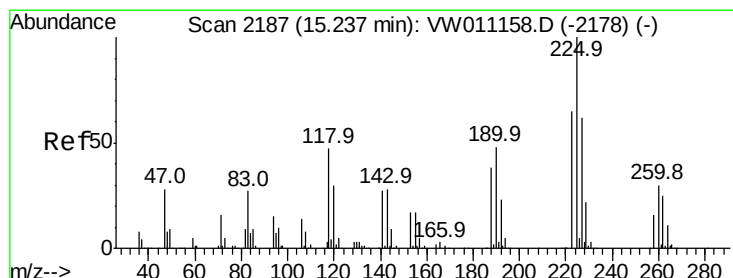
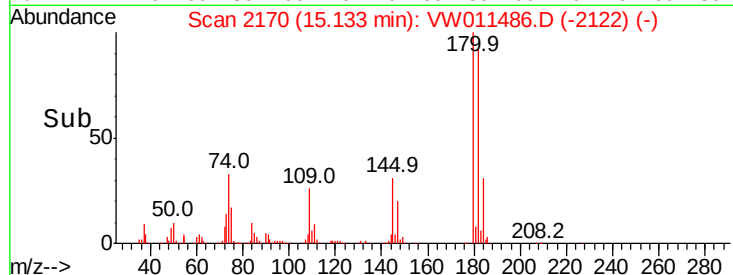
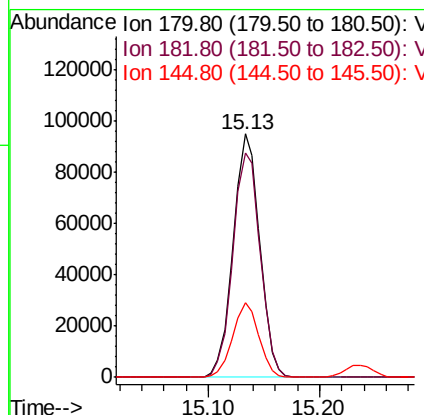
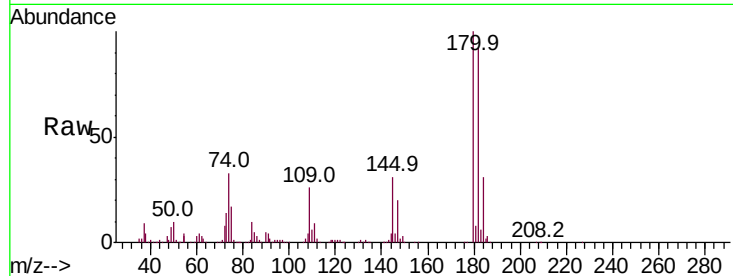
#93
 1,2,4-Trichlorobenzene
 Concen: 49.737 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.3	144.9	
145	30.2	15.5	46.5	

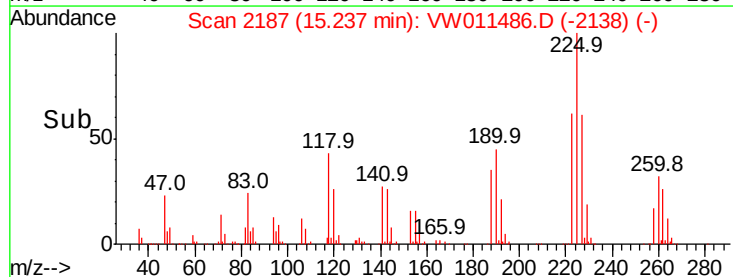
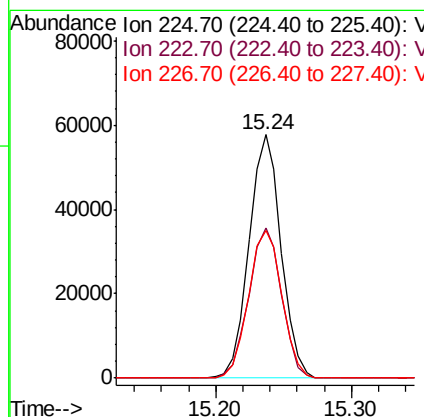
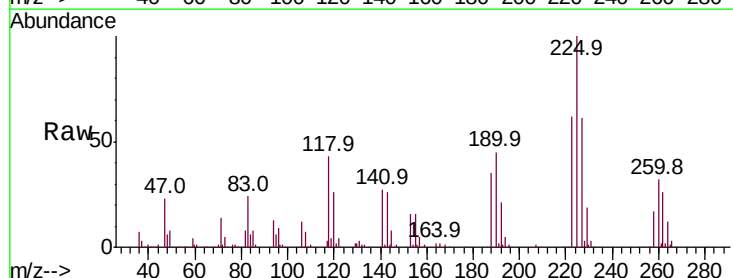
Manual Integrations
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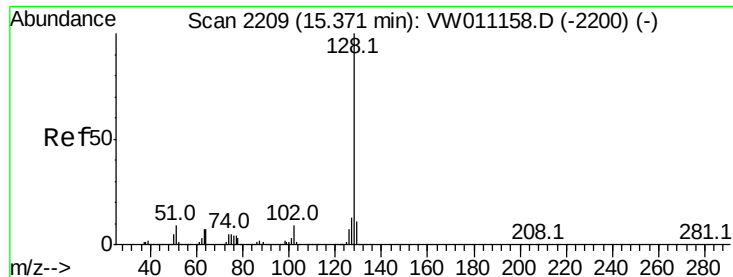
MMDadoda
 7/25/2019 8:18:15 AM



#94
 Hexachlorobutadiene
 Concen: 49.233 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011486.D
 Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.6	95.0	
227	63.4	32.0	96.0	





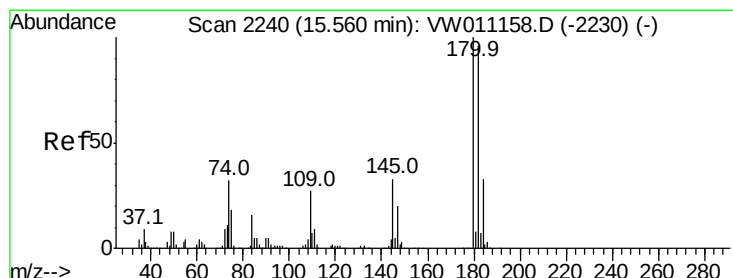
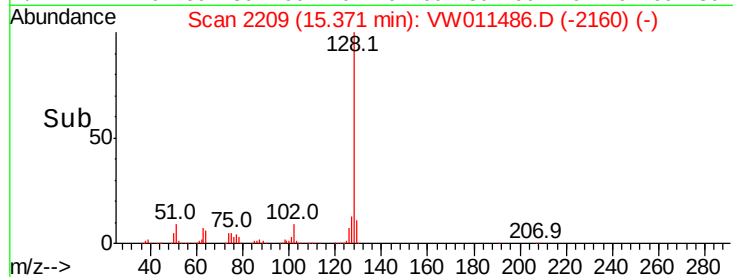
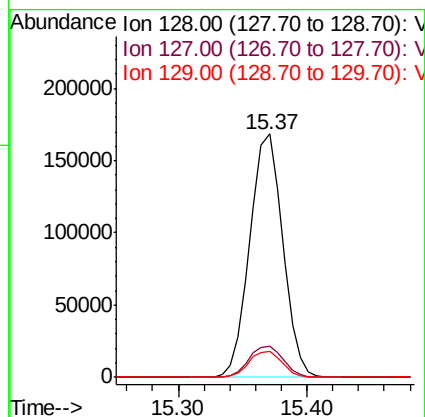
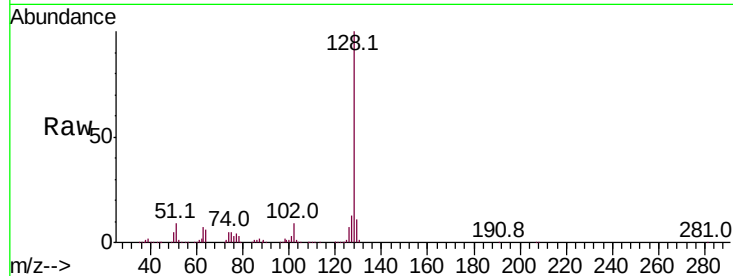
#95
Naphthalene
Concen: 49.481 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	298665		
127	13.4	10.6	16.0	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
7/25/2019 8:18:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.476 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011486.D
Acq: 24 Jul 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	137537		
182	95.6	47.6	142.8	
145	31.9	16.5	49.5	

