

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011529.D
 Acq On : 26 Jul 2019 20:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:19:10 AM

Quant Time: Jul 27 06:37:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	131561	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
35) Dibromofluoromethane	7.88	113	106127	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
50) Toluene-d8	10.32	98	430361	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
62) 4-Bromofluorobenzene	12.62	95	154154	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52908	43.153	ug/l	99
3) Chloromethane	2.21	50	92477	43.498	ug/l	99
4) Vinyl Chloride	2.36	62	114033	44.552	ug/l	99
5) Bromomethane	2.76	94	55891	39.450	ug/l	99
6) Chloroethane	2.91	64	62822	42.968	ug/l	97
7) Trichlorofluoromethane	3.24	101	50594	44.230	ug/l	96
8) Diethyl Ether	3.68	74	61881	47.712	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	97167	44.779	ug/l	98
10) Methyl Iodide	4.27	142	144867	47.242	ug/l	100
11) Tert butyl alcohol	5.18	59	46222	247.777	ug/l	98
12) 1,1-Dichloroethene	4.04	96	104216	45.487	ug/l	97
13) Acrolein	3.89	56	39796	219.556	ug/l	99
14) Allyl chloride	4.67	41	224984	46.170	ug/l	100
15) Acrylonitrile	5.36	53	161933	250.117	ug/l	98
16) Acetone	4.12	43	152274	189.501	ug/l	99
17) Carbon Disulfide	4.38	76	315849	44.046	ug/l	100
18) Methyl Acetate	4.67	43	90718	50.254	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	177545	48.833	ug/l	98
20) Methylene Chloride	4.92	84	121995	44.021	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	116422	47.133	ug/l	99
22) Diisopropyl ether	6.31	45	448290	48.794	ug/l	97
23) Vinyl Acetate	6.25	43	1415545	245.203	ug/l	100
24) 1,1-Dichloroethane	6.21	63	233484	47.452	ug/l	100
25) 2-Butanone	7.17	43	244635	232.659	ug/l	98
26) 2,2-Dichloropropane	7.16	77	126116	41.677	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	129009	47.455	ug/l	99
28) Bromochloromethane	7.51	49	119598	54.761	ug/l	99
29) Tetrahydrofuran	7.52	42	151946	252.809	ug/l	100
30) Chloroform	7.68	83	214216	47.190	ug/l	99
31) Cyclohexane	7.95	56	205032	43.409	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	160720	46.490	ug/l	100
36) 1,1-Dichloropropene	8.08	75	173745	45.574	ug/l	100
37) Ethyl Acetate	7.25	43	105288	48.003	ug/l	99
38) Carbon Tetrachloride	8.07	117	146124	44.773	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191142	45.533	ug/l	100
40) Benzene	8.32	78	495781	46.427	ug/l	98
41) Methacrylonitrile	7.48	41	63842	48.692	ug/l	96
42) 1,2-Dichloroethane	8.40	62	157567	47.128	ug/l	100
43) Isopropyl Acetate	8.42	43	198163	49.126	ug/l	99
44) Trichloroethene	9.09	130	118610	46.213	ug/l	100
45) 1,2-Dichloropropane	9.37	63	135263	47.340	ug/l	97
46) Dibromomethane	9.46	93	61795	47.385	ug/l	99
47) Bromodichloromethane	9.65	83	159584	46.650	ug/l	99
48) Methyl methacrylate	9.43	41	96184	49.639	ug/l	100
49) 1,4-Dioxane	9.45	88	18383	973.535	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	523264	249.391	ug/l	100
52) Toluene	10.39	92	302329	46.881	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	168228	47.077	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	202714	47.710	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	87438	47.255	ug/l	99
56) Ethyl methacrylate	10.65	69	135220	49.940	ug/l	99
57) 1,3-Dichloropropane	10.93	76	169358	48.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	391262	318.260	ug/l	100
59) 2-Hexanone	10.97	43	356060	240.347	ug/l	99
60) Dibromochloromethane	11.13	129	98016	47.722	ug/l	100
61) 1,2-Dibromoethane	11.23	107	84114	48.036	ug/l	99
64) Tetrachloroethene	10.86	164	97266	45.546	ug/l	98
65) Chlorobenzene	11.66	112	303259	45.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	107111	46.633	ug/l	99
67) Ethyl Benzene	11.73	91	580852	46.251	ug/l	100
68) m/p-Xylenes	11.84	106	425097	93.075	ug/l	99
69) o-Xylene	12.16	106	200035	47.132	ug/l	99
70) Styrene	12.18	104	349099	47.573	ug/l	100
71) Bromoform	12.35	173	55486	47.380	ug/l #	98
73) Isopropylbenzene	12.46	105	545485	46.076	ug/l	100
74) N-amyl acetate	12.27	43	183427	49.489	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	106733	47.930	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	75426m	44.919	ug/l	
77) Bromobenzene	12.74	156	122872	46.956	ug/l	99
78) n-propylbenzene	12.80	91	667040	46.297	ug/l	100
79) 2-Chlorotoluene	12.89	91	386661	46.583	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	465170	46.874	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34740	47.681	ug/l	98
82) 4-Chlorotoluene	12.99	91	397241	45.614	ug/l	99
83) tert-Butylbenzene	13.21	119	382830	46.131	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	467579	46.772	ug/l	99
85) sec-Butylbenzene	13.38	105	550061	46.453	ug/l	100
86) p-Isopropyltoluene	13.50	119	493536	45.937	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	238351	46.454	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	236527	46.342	ug/l	99
89) n-Butylbenzene	13.82	91	488630	45.574	ug/l	100
90) Hexachloroethane	14.09	117	87606	46.113	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	211347	46.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18552	48.855	ug/l	96

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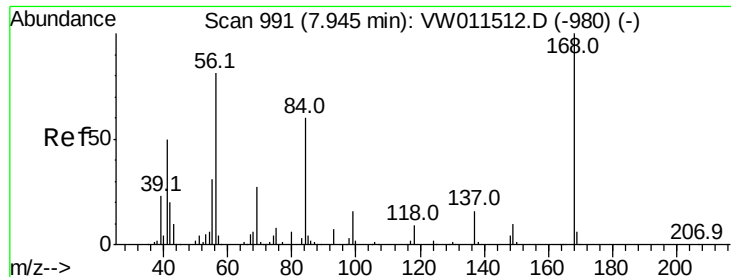
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	150512	47.061	ug/l	100
94) Hexachlorobutadiene	15.24	225	89566	44.907	ug/l	99
95) Naphthalene	15.37	128	282215	45.252	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	131492	46.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 219992

Ion Ratio Lower Upper

168 100

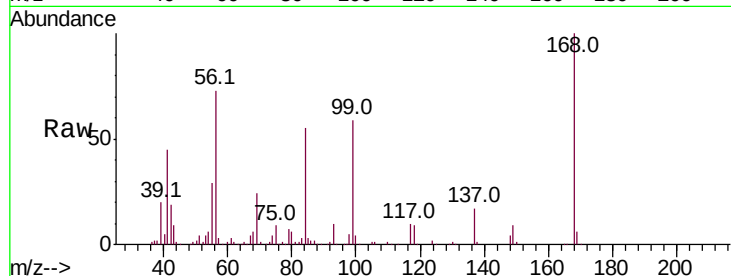
99 59.3 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

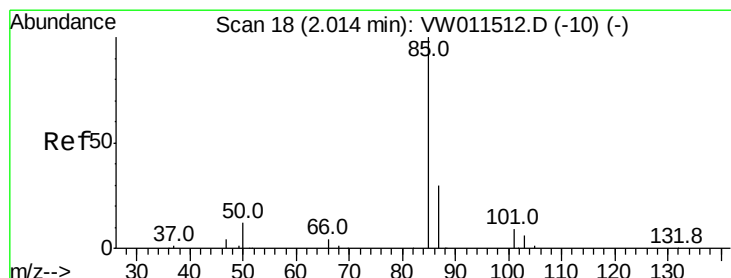
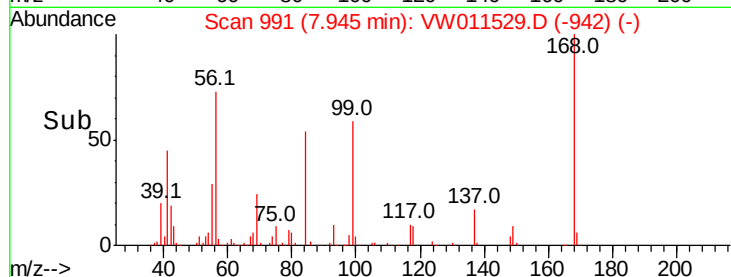
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.153 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011529.D

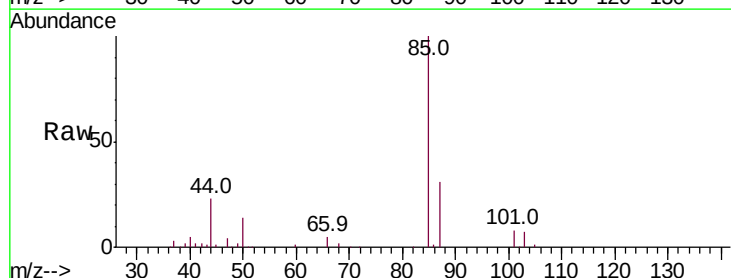
Acq: 26 Jul 2019 20:58

Tgt Ion: 85 Resp: 52908

Ion Ratio Lower Upper

85 100

87 30.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

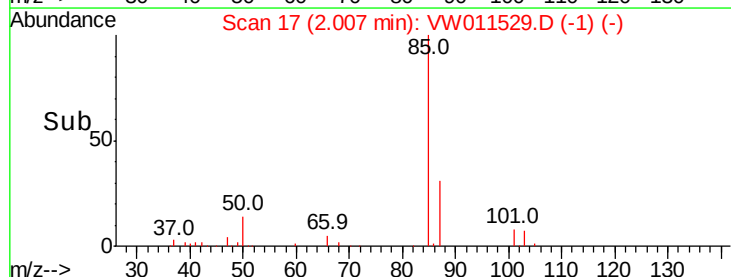
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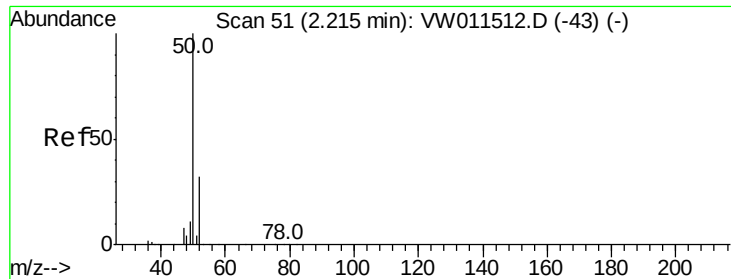
10000

5000

0

Time-->





#3

Chloromethane

Concen: 43.498 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92477

Ion Ratio Lower Upper

50 100

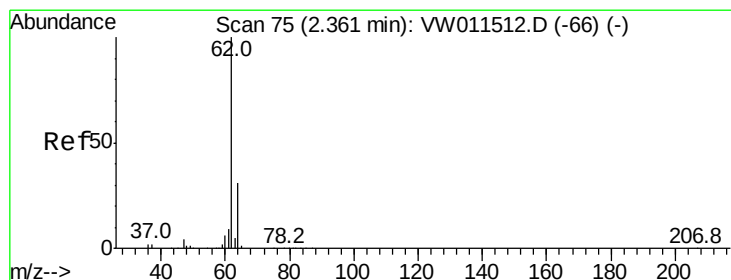
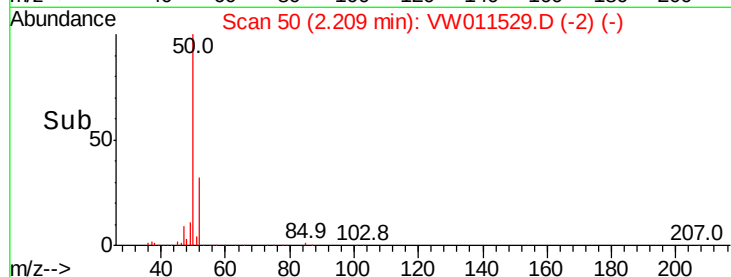
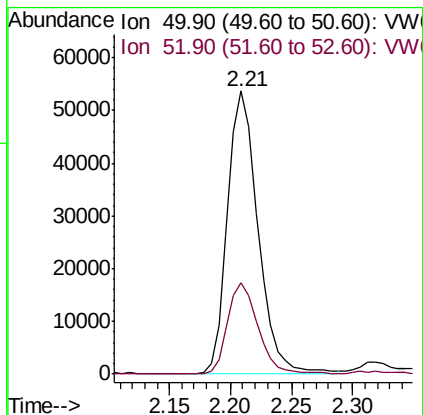
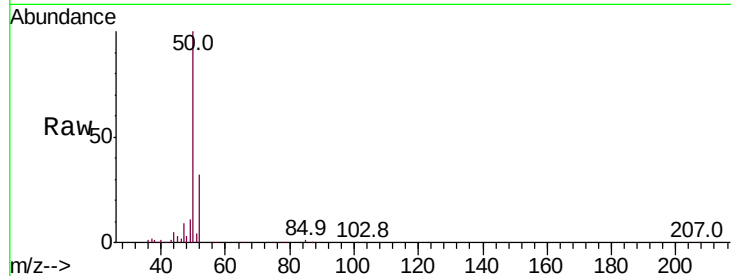
52 32.4 25.4 38.2

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#4

Vinyl Chloride

Concen: 44.552 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011529.D

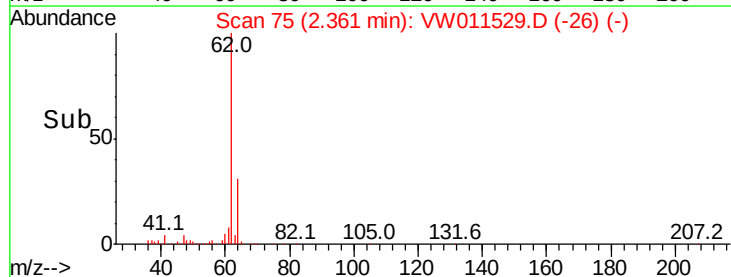
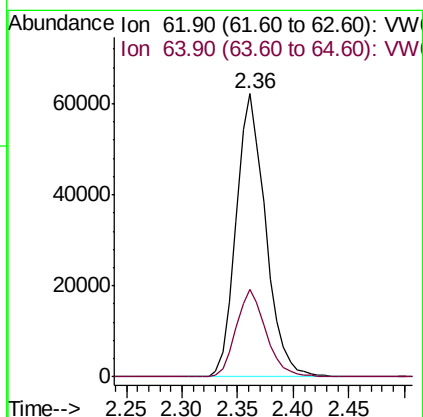
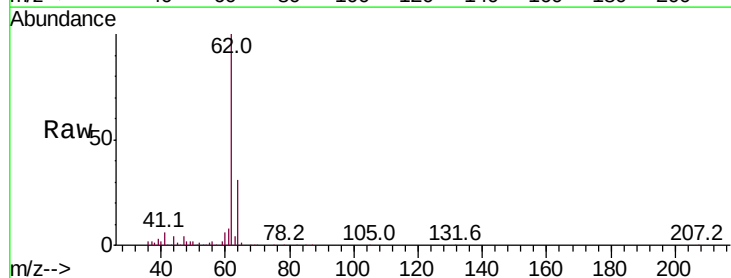
Acq: 26 Jul 2019 20:58

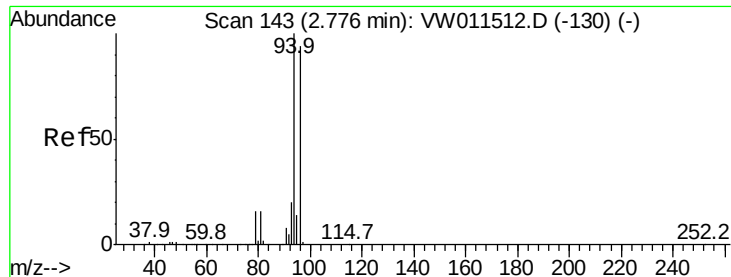
Tgt Ion: 62 Resp: 114033

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 39.450 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.02 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 55891

Ion Ratio Lower Upper

94 100

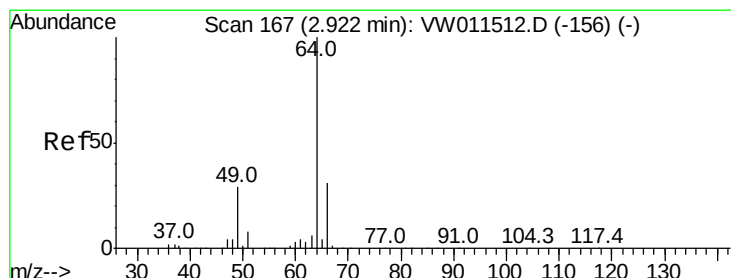
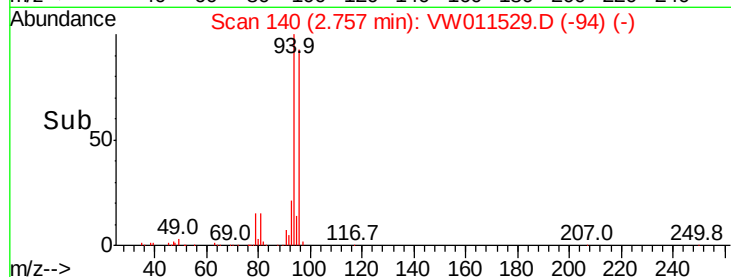
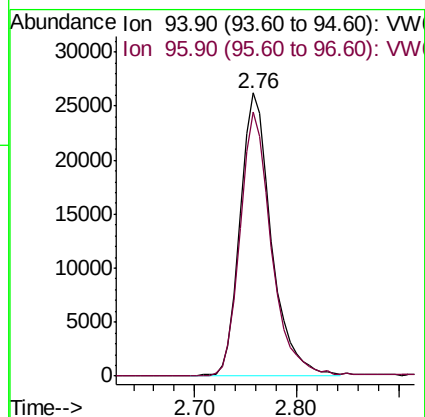
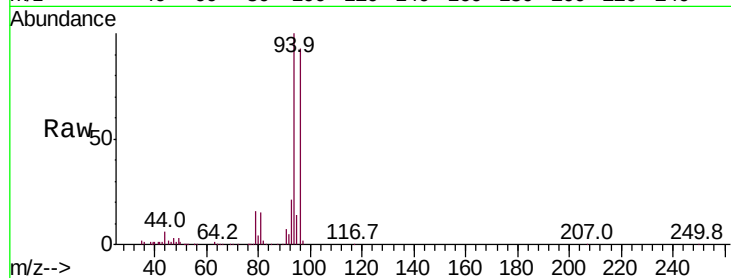
96 93.3 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 42.968 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011529.D

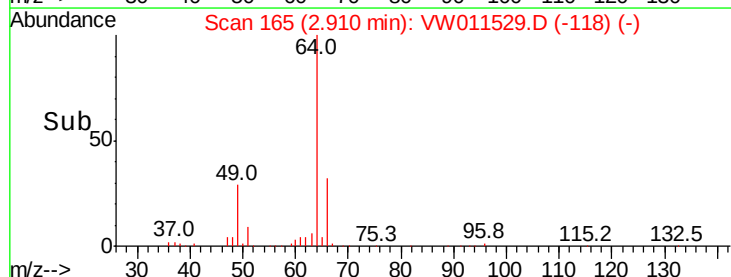
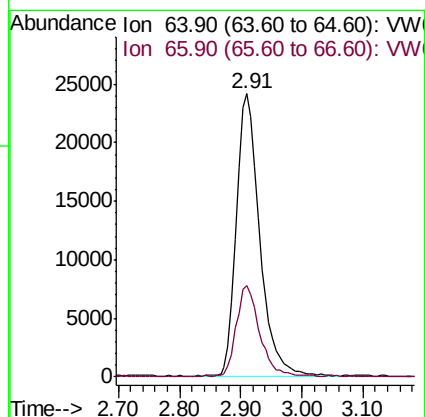
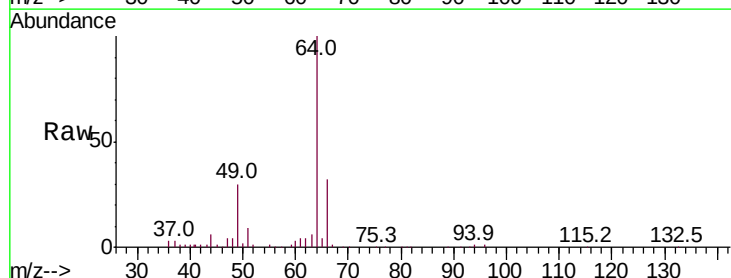
Acq: 26 Jul 2019 20:58

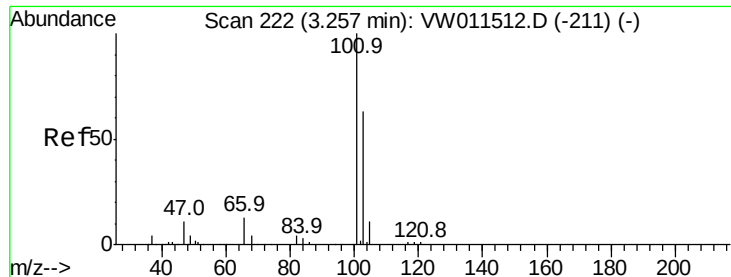
Tgt Ion: 64 Resp: 62822

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8





#7

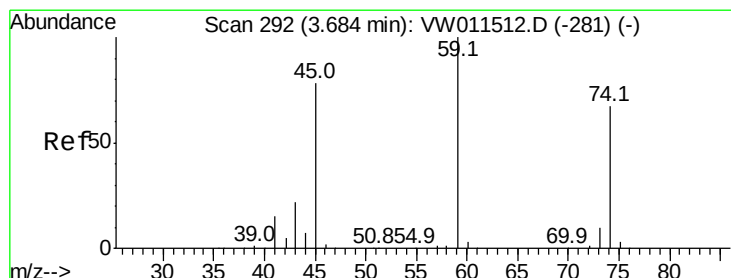
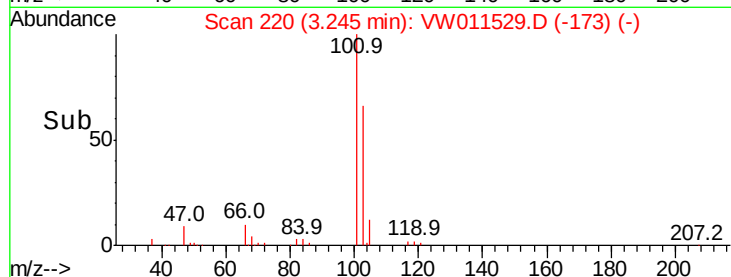
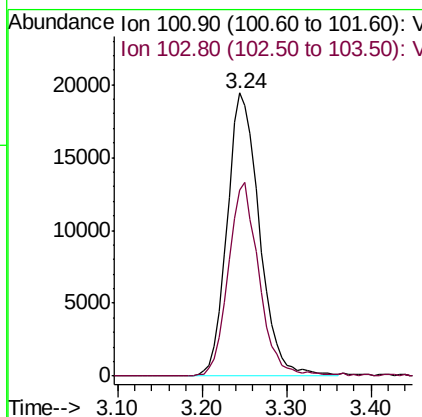
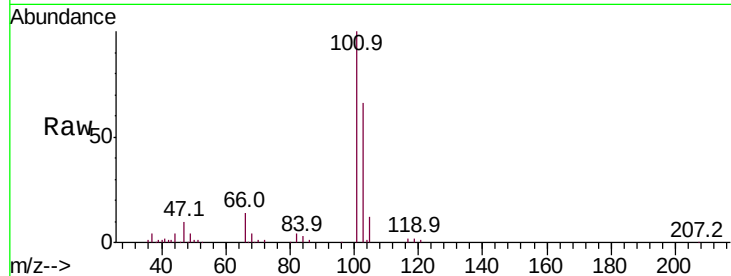
Trichlorofluoromethane
Concen: 44.230 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.2	75.4

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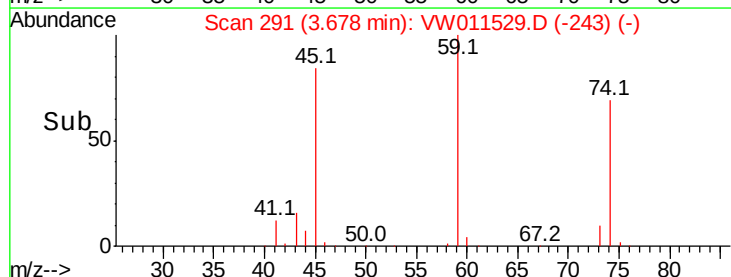
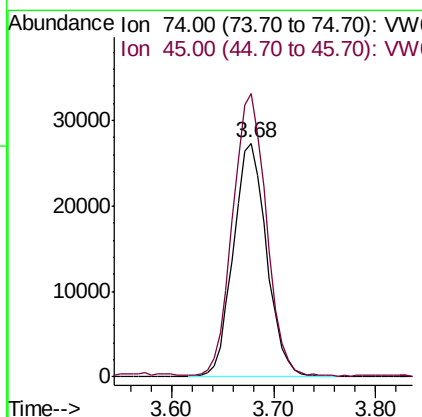
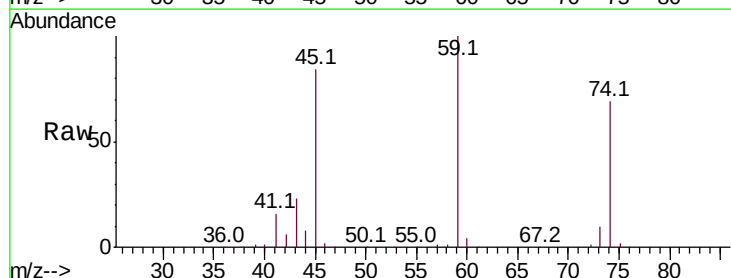
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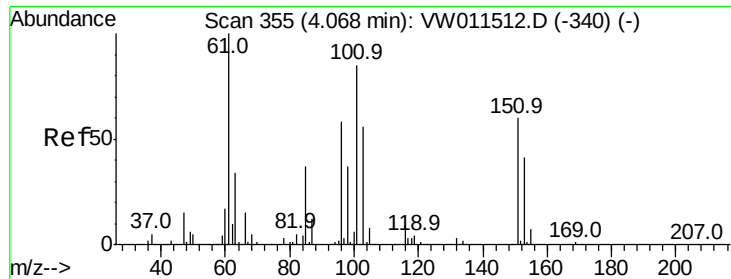


#8

Diethyl Ether
Concen: 47.712 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.3	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.779 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

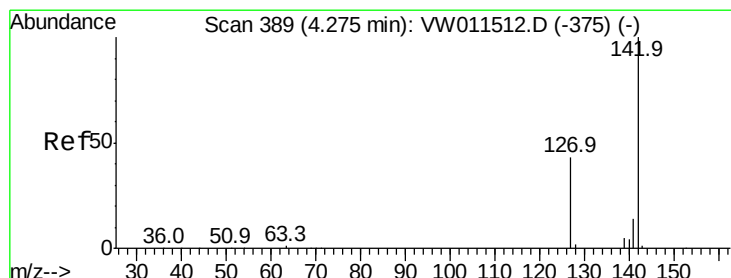
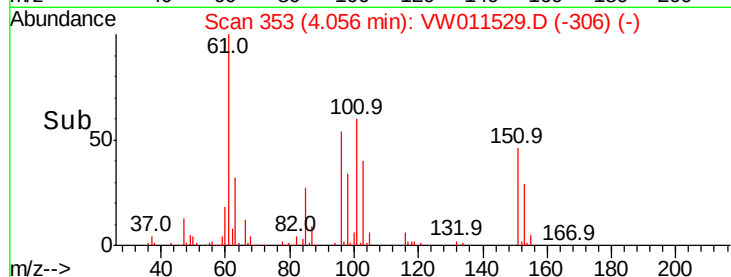
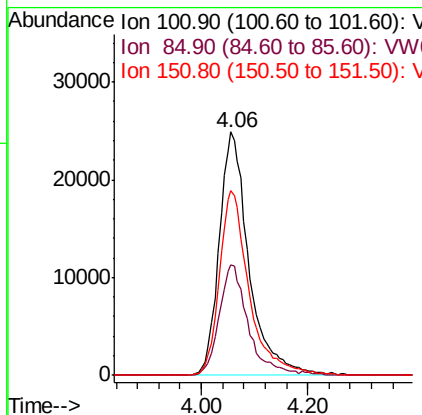
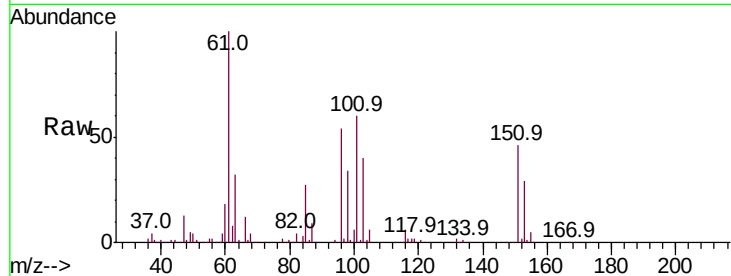
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	97167
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.6	54.8
151	75.9	60.2	90.2

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#10

Methyl Iodide

Concen: 47.242 ug/l

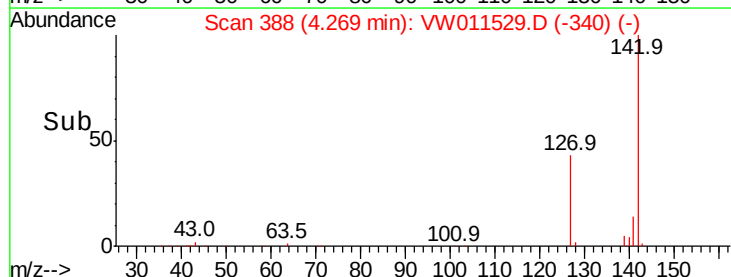
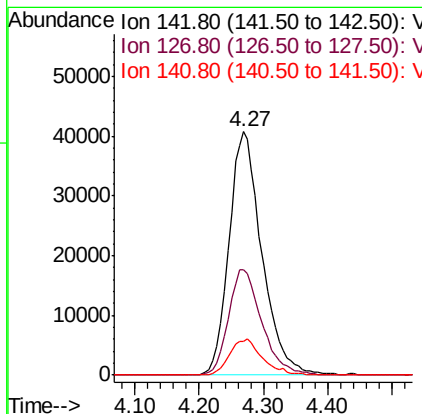
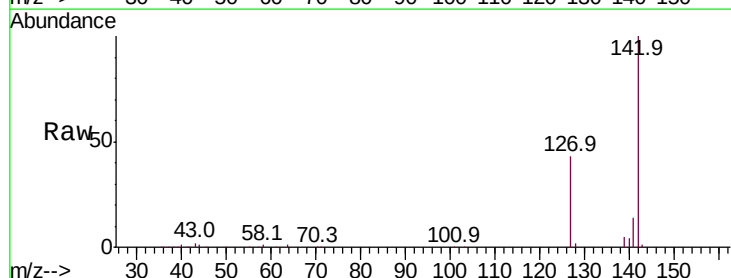
RT: 4.27 min Scan# 388

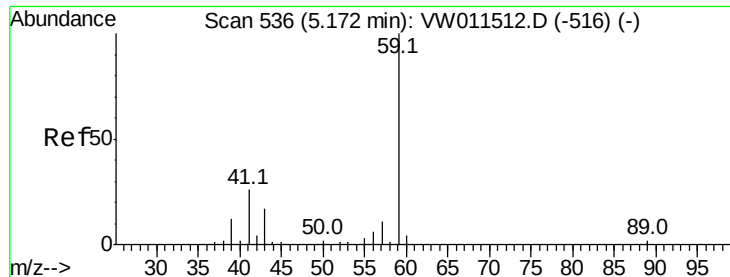
Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	142	Resp:	144867
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.0	52.6
141	14.9	11.9	17.9





#11

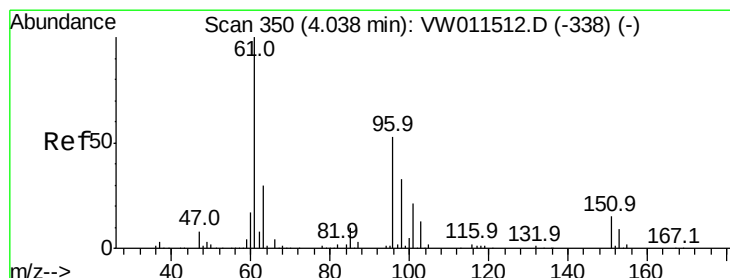
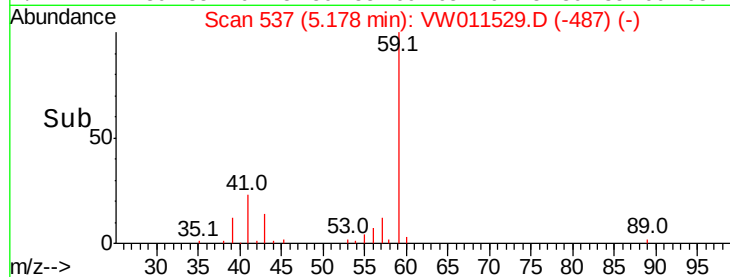
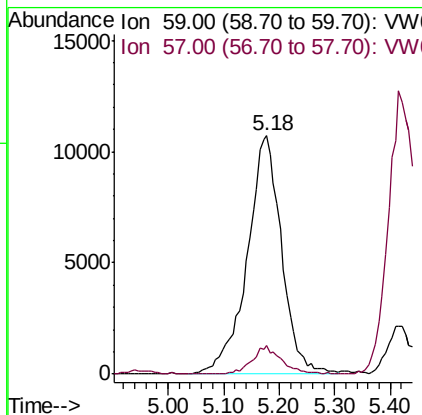
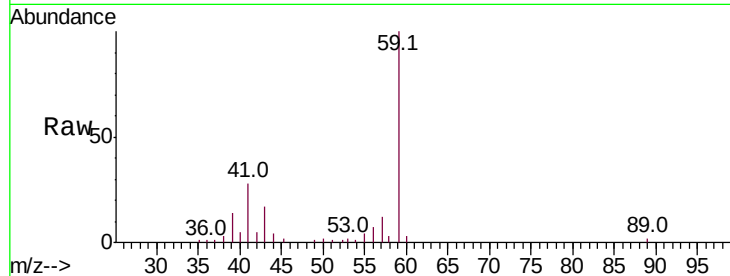
Tert butyl alcohol
 Concen: 247.777 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

Manual Integrations
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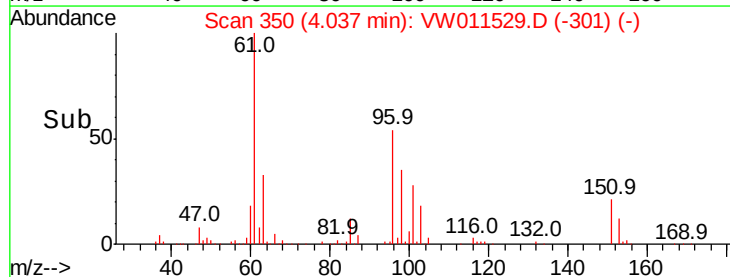
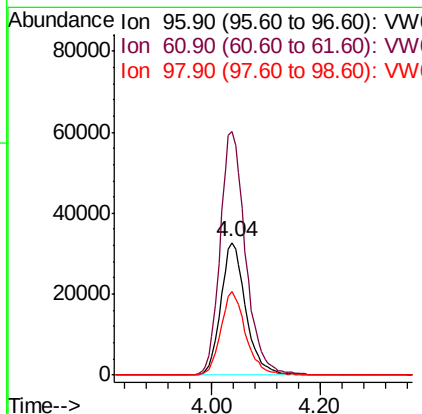
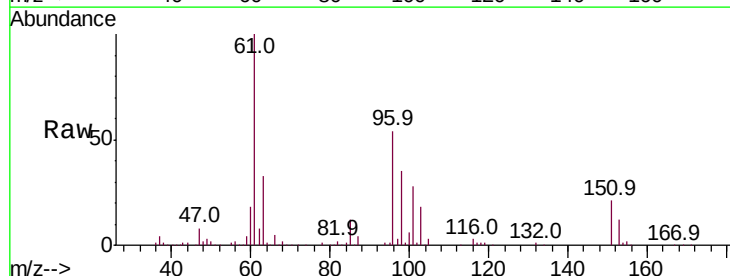
MMDadoda
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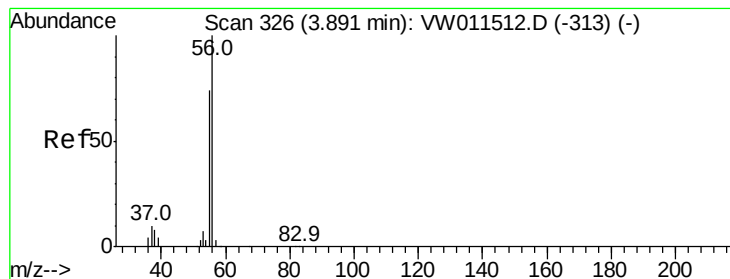


#12

1,1-Dichloroethene
 Concen: 45.487 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	149.9	224.9
98	63.5	49.1	73.7





#13

Acrolein

Concen: 219.556 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 39796

Ion Ratio Lower Upper

56 100

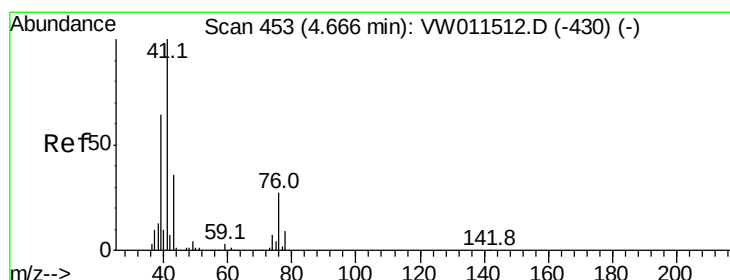
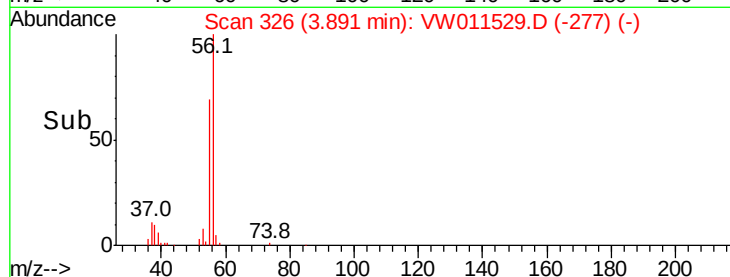
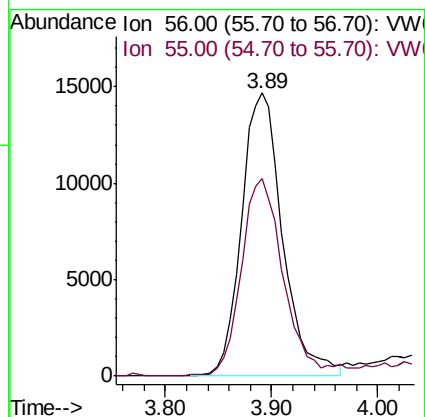
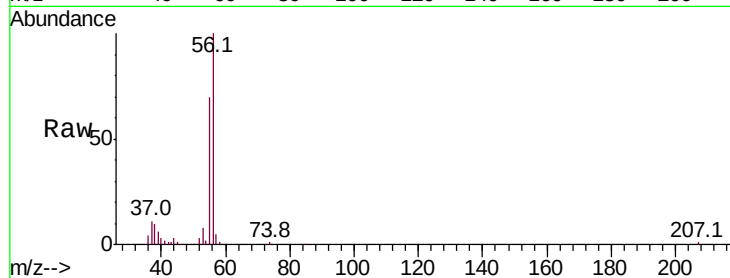
55 71.2 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 46.170 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

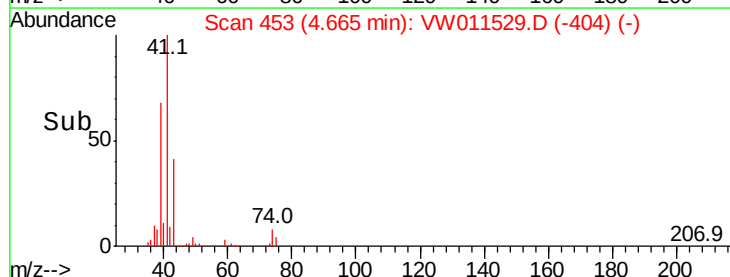
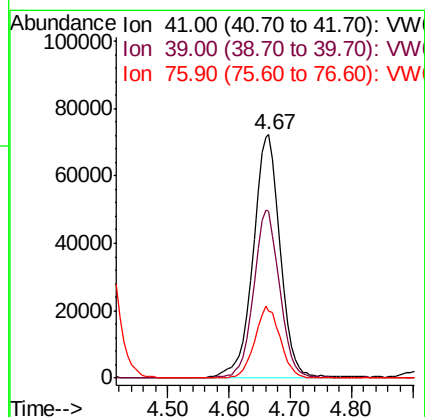
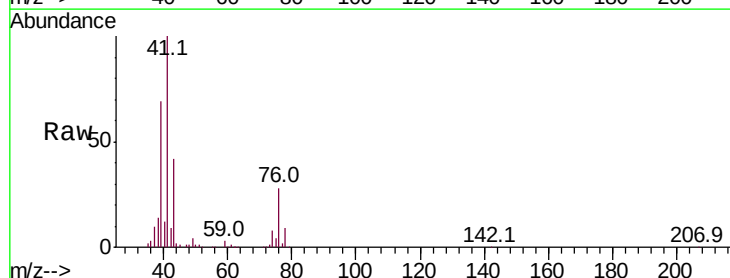
Tgt Ion: 41 Resp: 224984

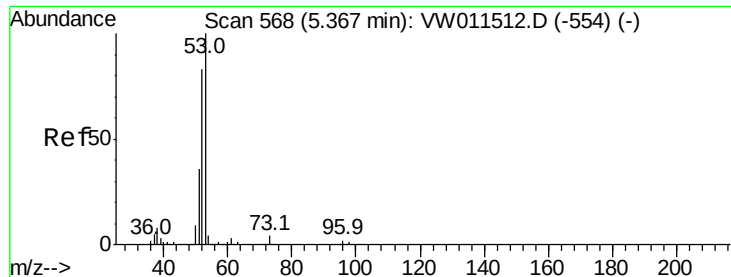
Ion Ratio Lower Upper

41 100

39 66.0 52.6 78.8

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 250.117 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

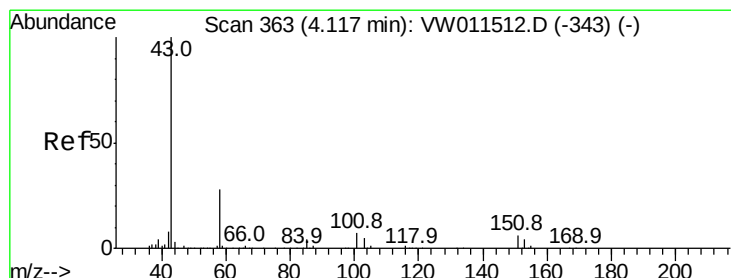
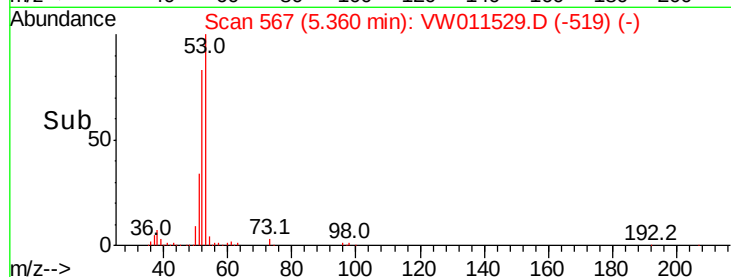
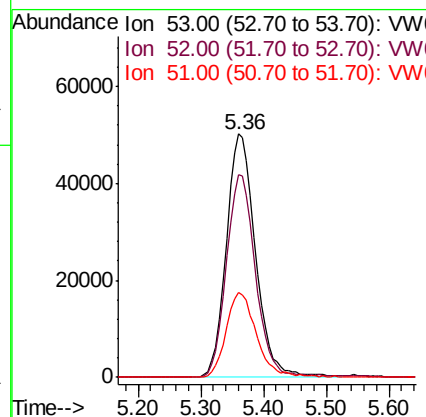
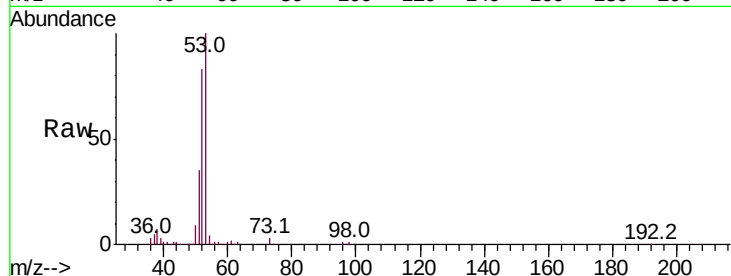
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	161933
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.2	100.8
51	35.9	30.0	45.0

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#16

Acetone

Concen: 189.501 ug/l

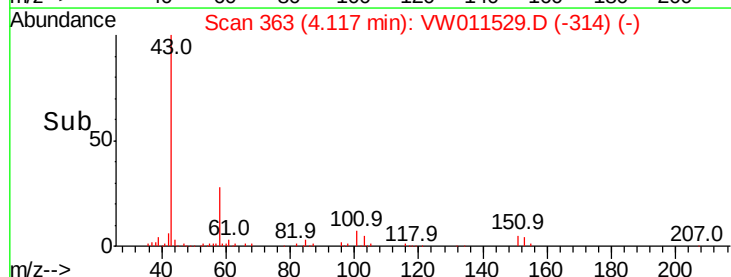
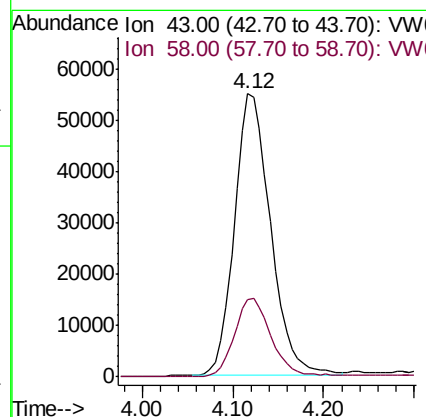
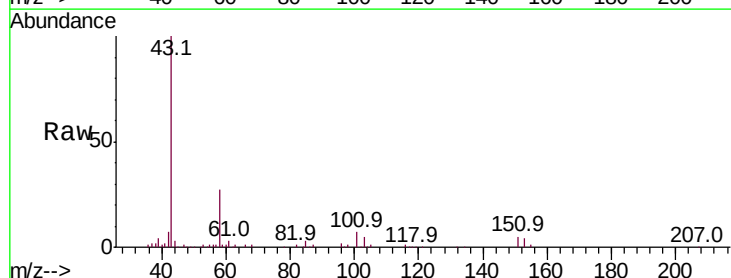
RT: 4.12 min Scan# 363

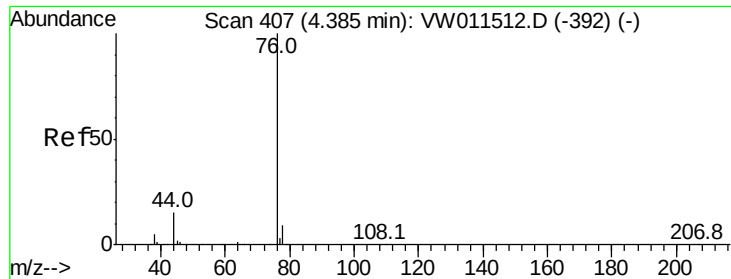
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	43	Resp:	152274
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.3	33.5





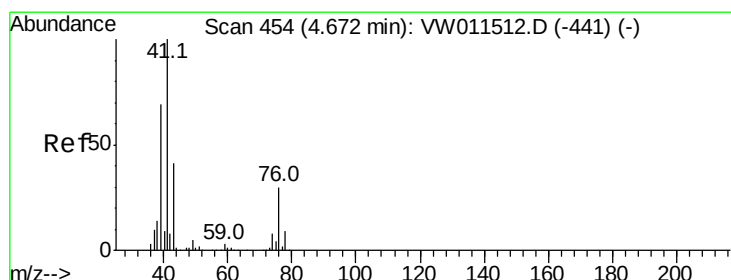
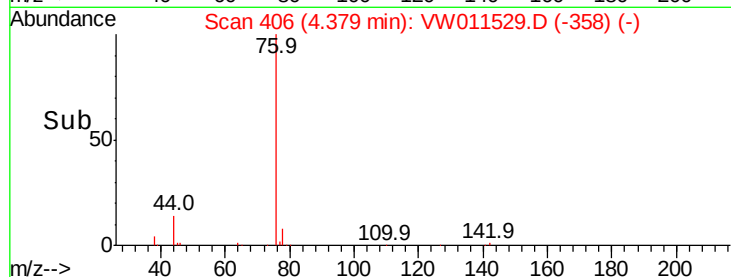
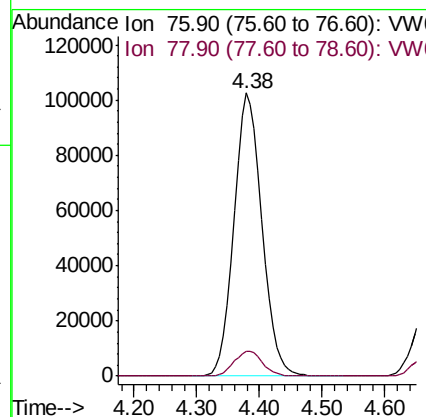
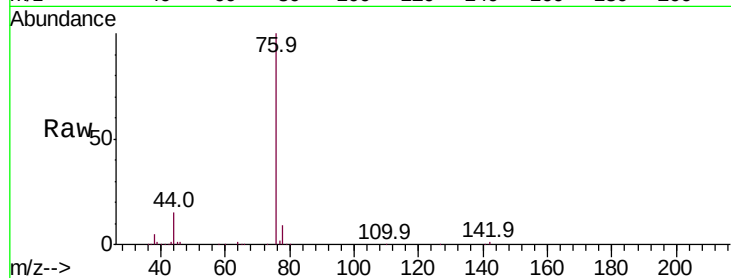
#17
Carbon Disulfide
Concen: 44.046 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 315849
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

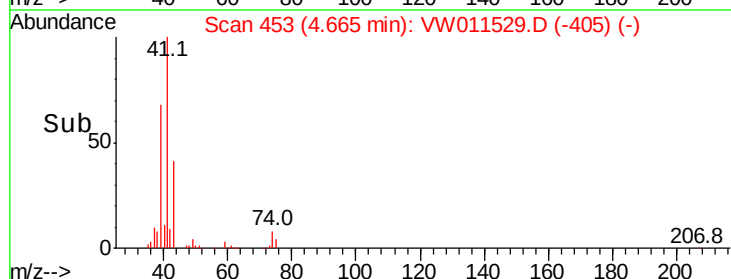
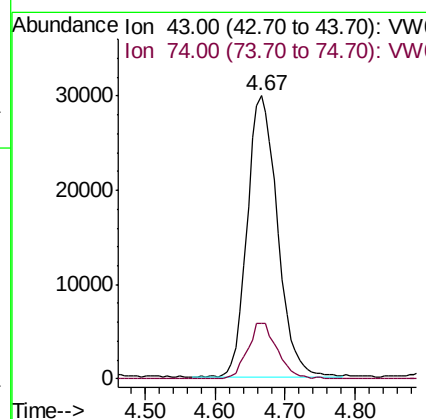
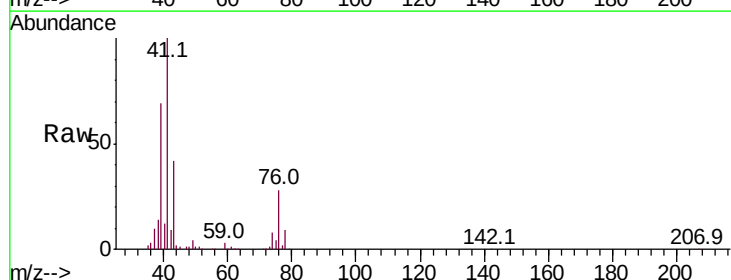
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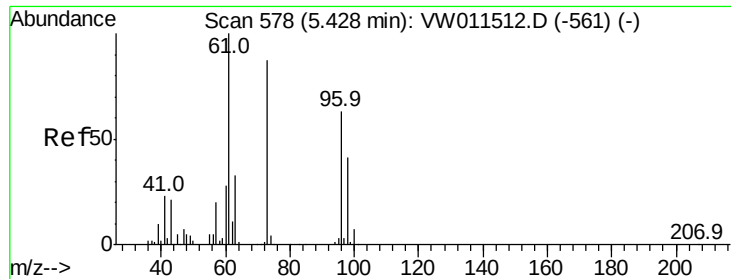
MMDadoda
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#18
Methyl Acetate
Concen: 50.254 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 43 Resp: 90718
Ion Ratio Lower Upper
43 100
74 19.2 15.9 23.9





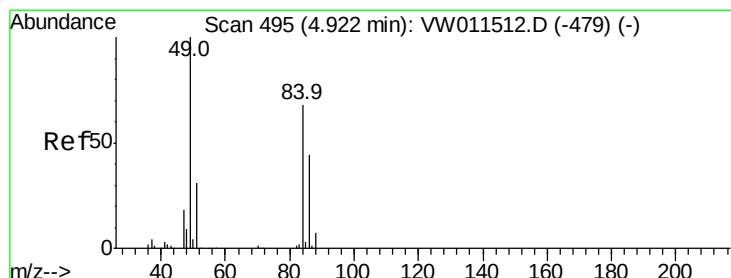
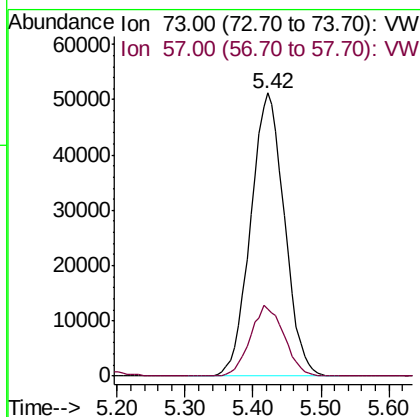
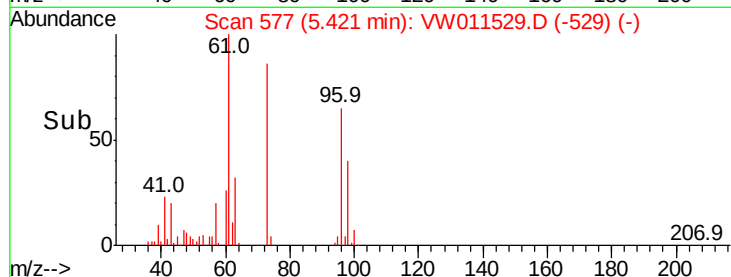
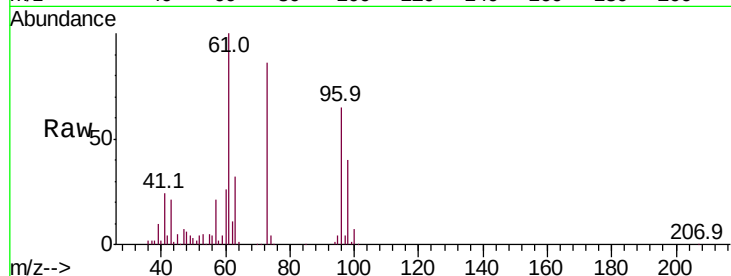
#19
Methyl tert-butyl Ether
Concen: 48.833 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 177545
Ion Ratio Lower Upper
73 100
57 23.8 18.4 27.6

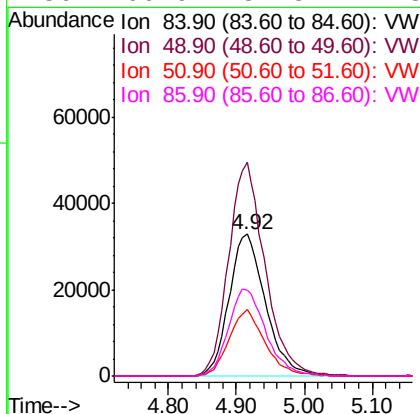
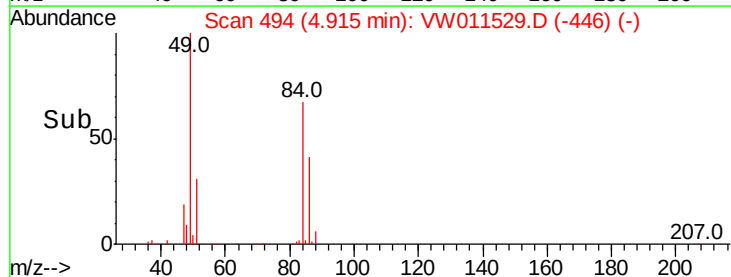
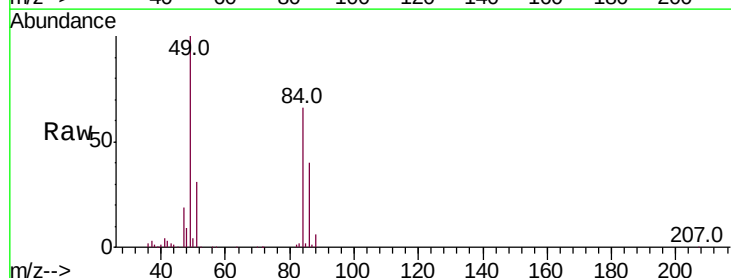
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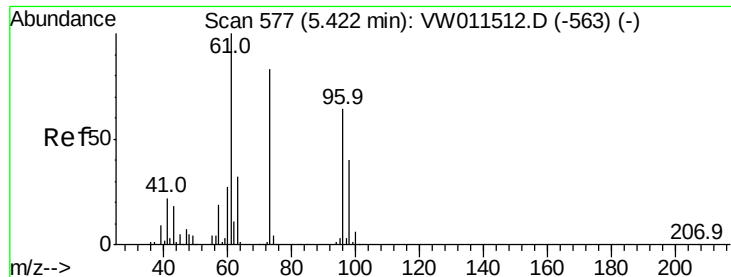
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#20
Methylene Chloride
Concen: 44.021 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 84 Resp: 121995
Ion Ratio Lower Upper
84 100
49 150.9 117.8 176.6
51 46.7 37.0 55.4
86 60.9 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 47.133 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 116422

Ion Ratio Lower Upper

96 100

61 158.8 125.7 188.5

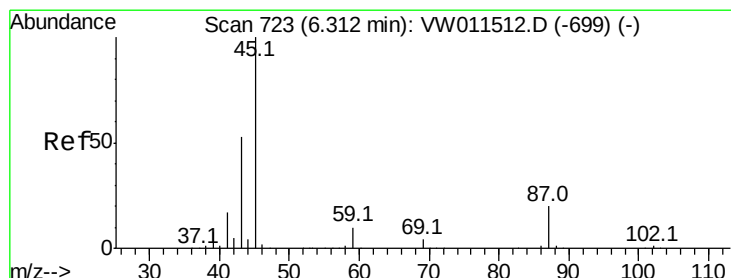
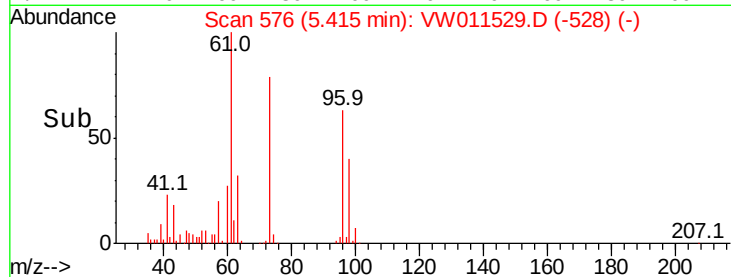
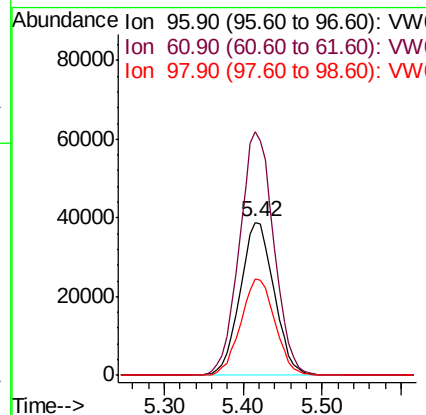
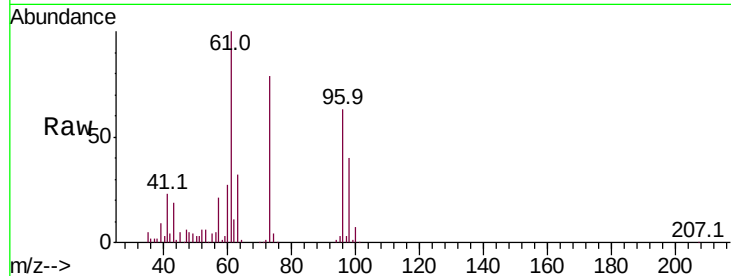
98 62.7 50.3 75.5

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#22

Diisopropyl ether

Concen: 48.794 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion: 45 Resp: 448290

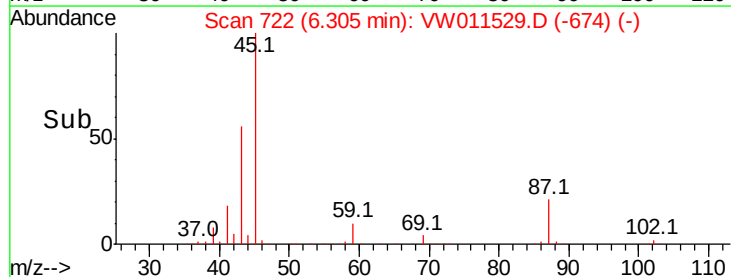
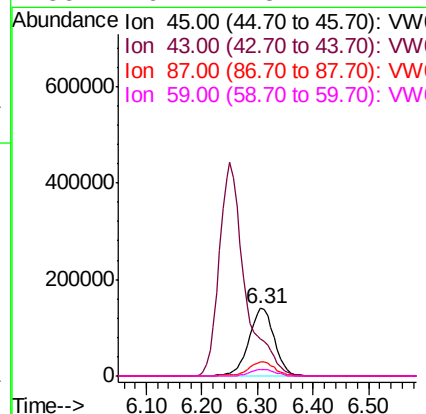
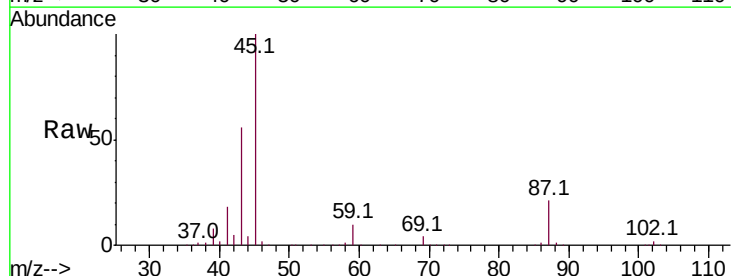
Ion Ratio Lower Upper

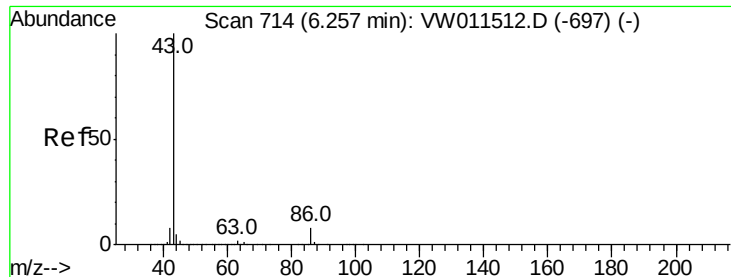
45 100

43 55.6 42.6 63.8

87 21.2 16.4 24.6

59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 245.203 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tot Ion: 43 Resp: 1415545

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

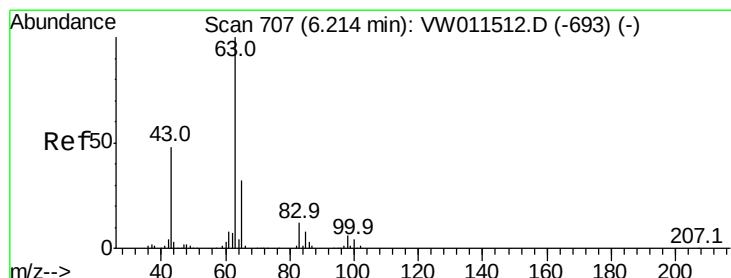
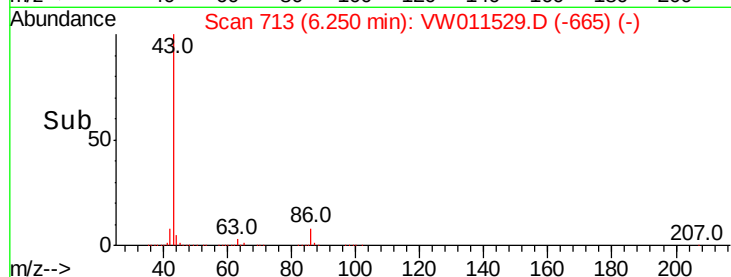
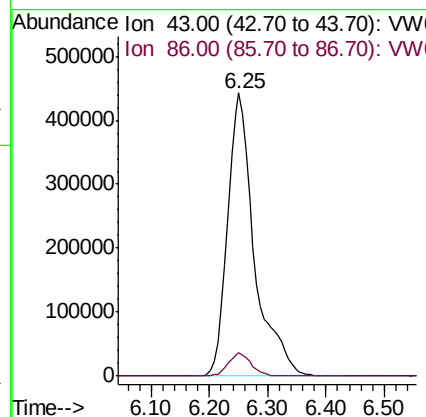
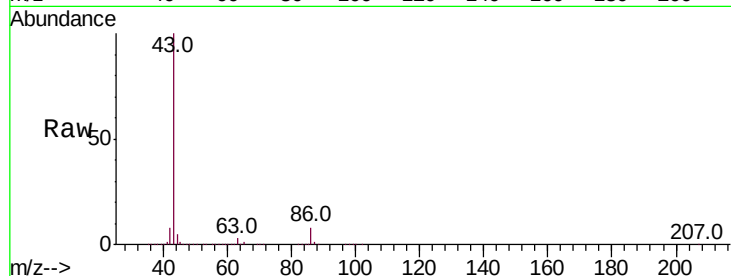
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 47.452 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

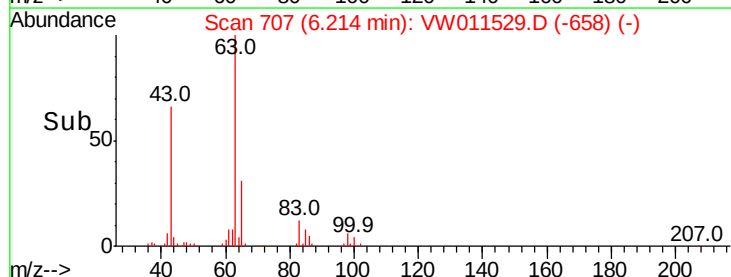
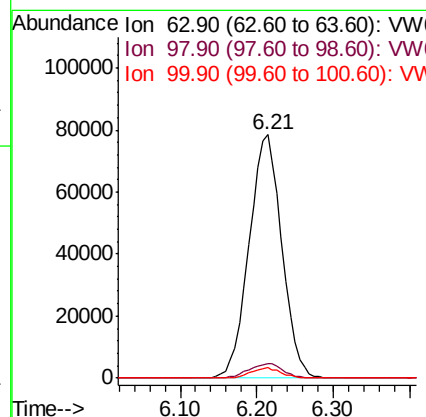
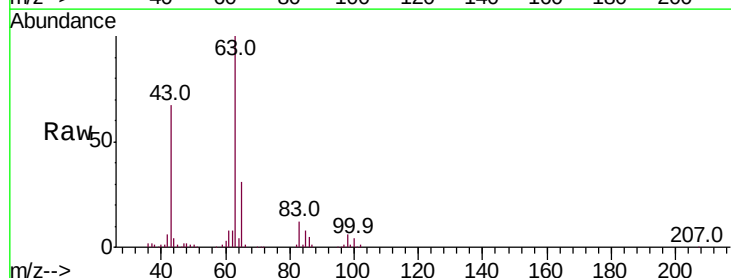
Tgt Ion: 63 Resp: 233484

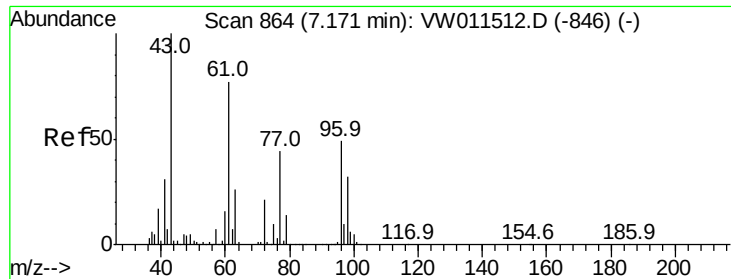
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 232.659 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 244635

Ion Ratio Lower Upper

43 100

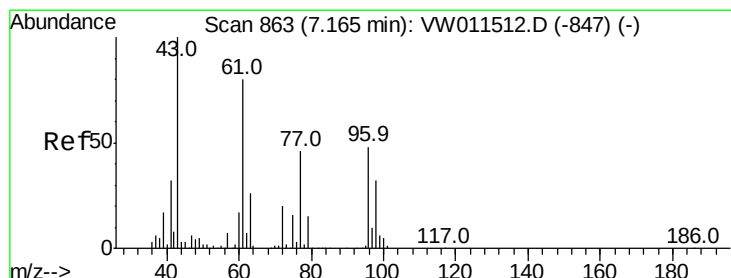
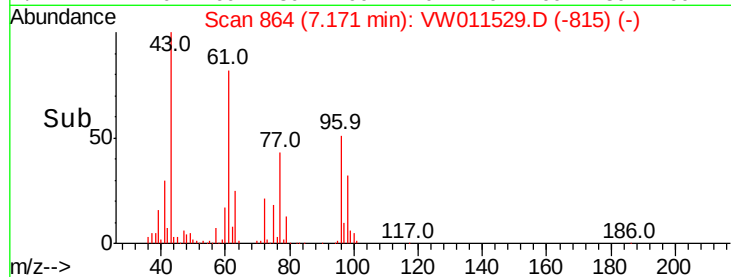
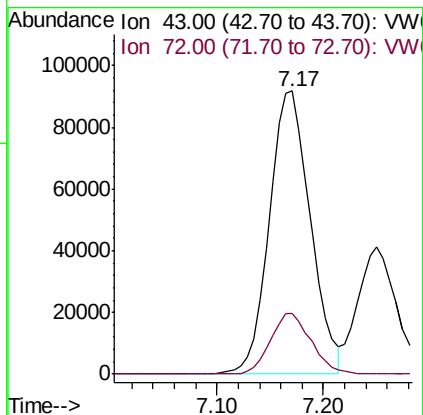
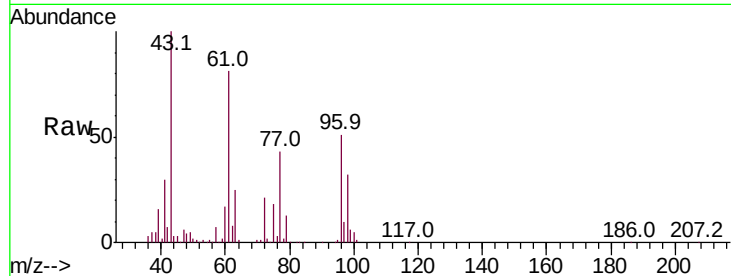
72 21.4 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.677 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011529.D

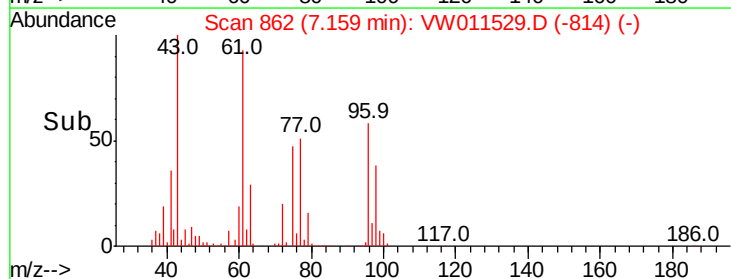
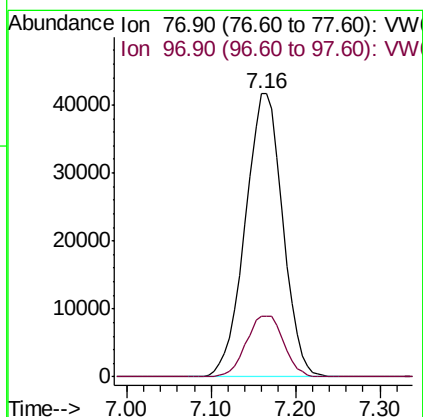
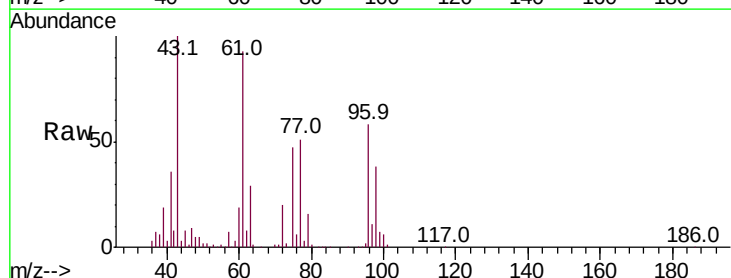
Acq: 26 Jul 2019 20:58

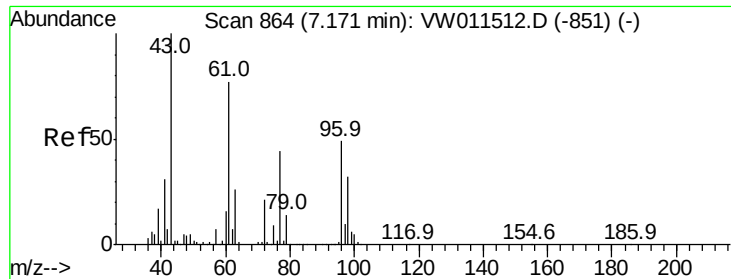
Tgt Ion: 77 Resp: 126116

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.4





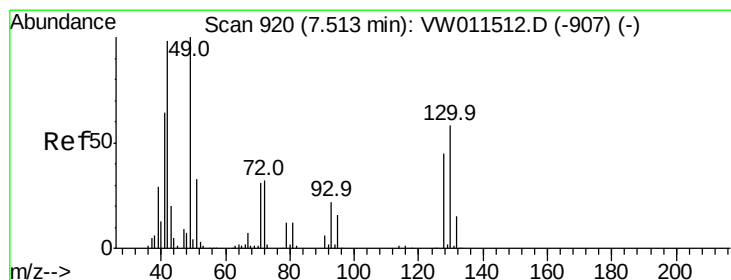
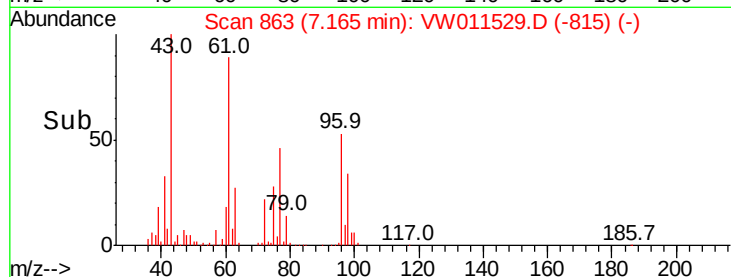
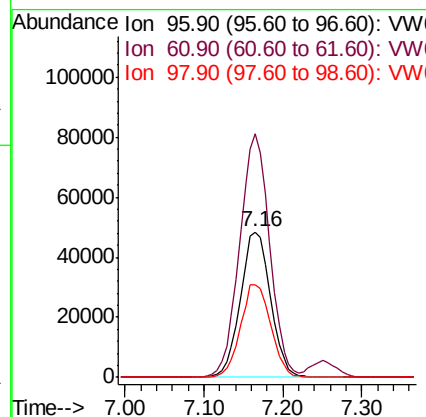
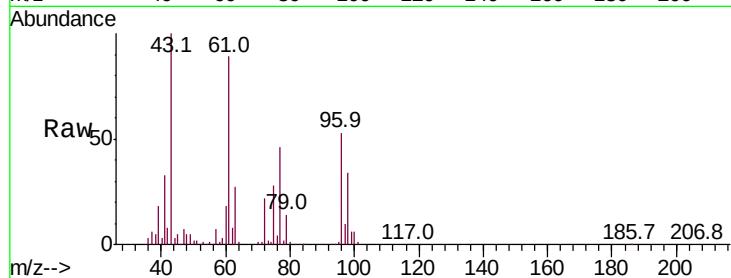
#27
 cis-1,2-Dichloroethene
 Concen: 47.455 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	328.4
98	64.1	0.0	128.8

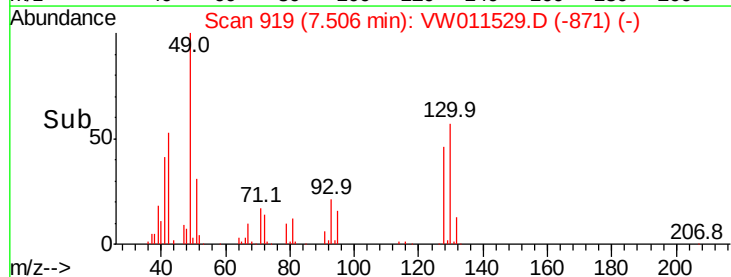
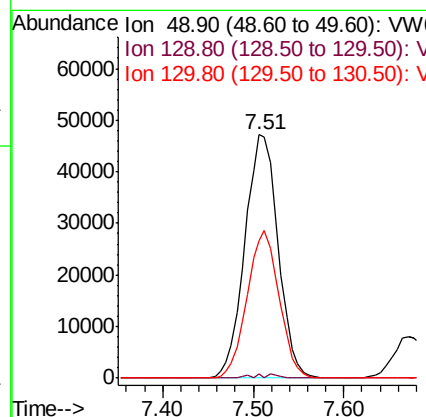
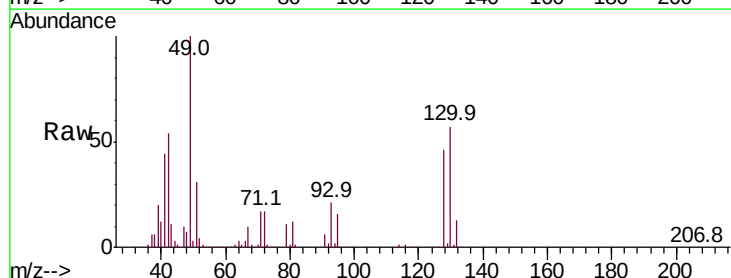
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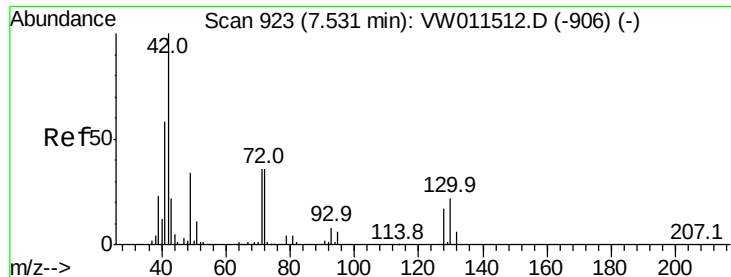
MMDadoda
 7/29/2019 9:19:10 AM



#28
 Bromochloromethane
 Concen: 54.761 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.0
130	58.5	46.3	69.5





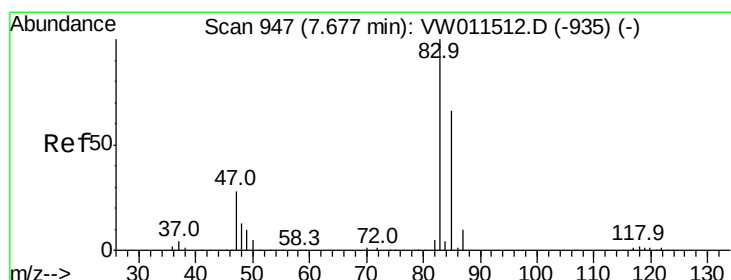
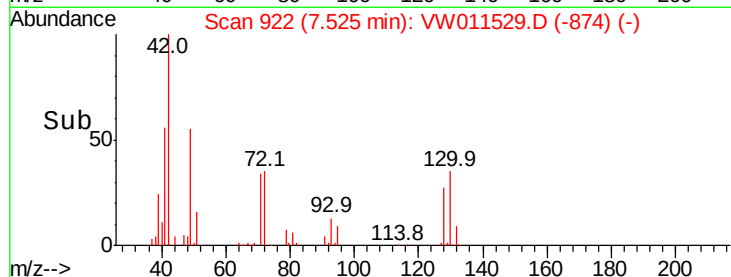
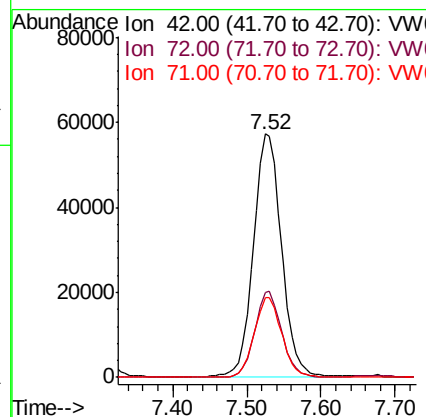
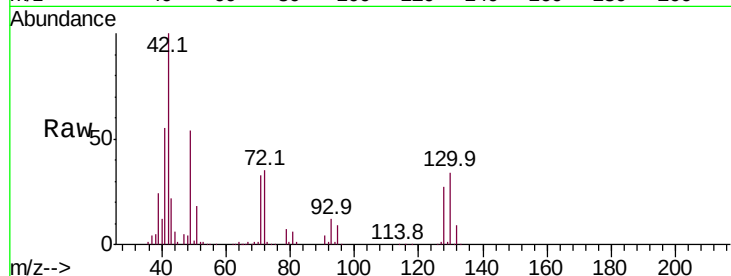
#29
Tetrahydrofuran
Concen: 252.809 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	27.1	40.7
71	32.5	26.2	39.4

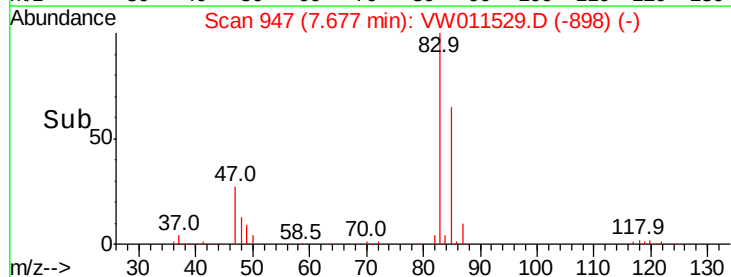
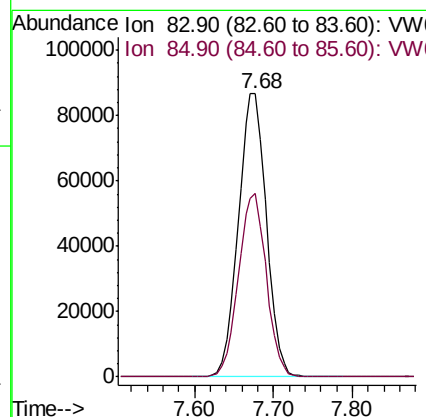
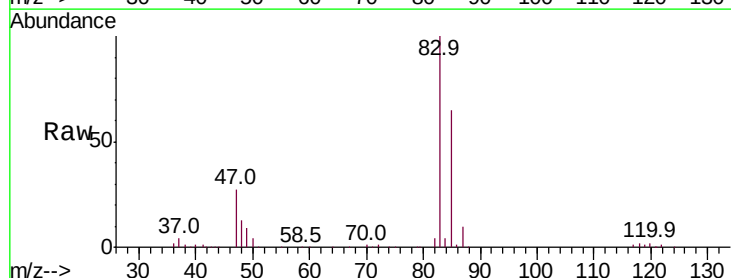
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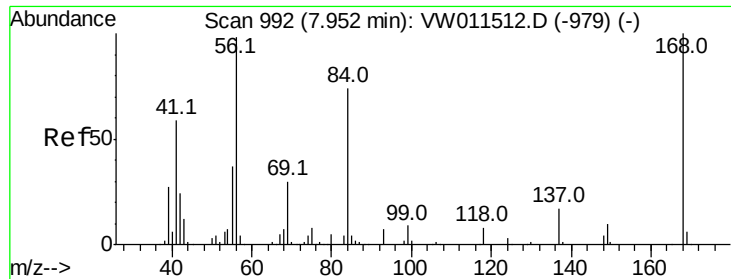
MMDadoda
7/29/2019 9:19:10 AM



#30
Chloroform
Concen: 47.190 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





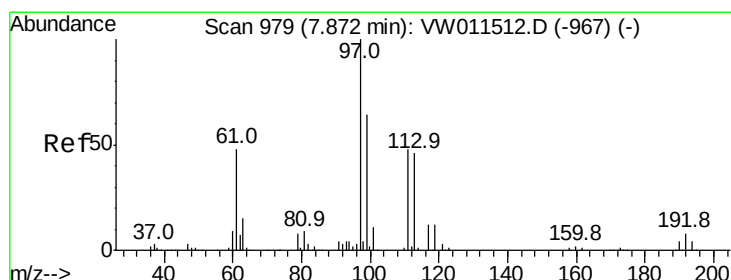
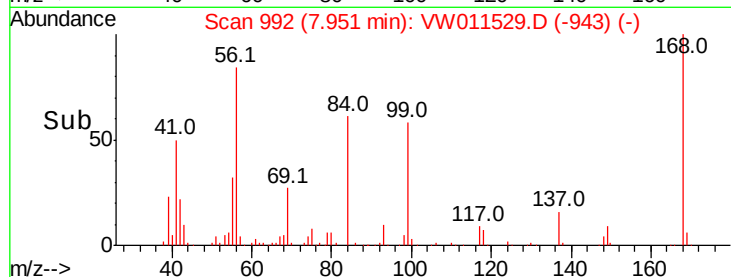
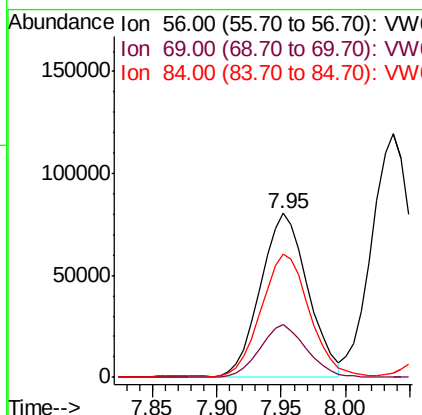
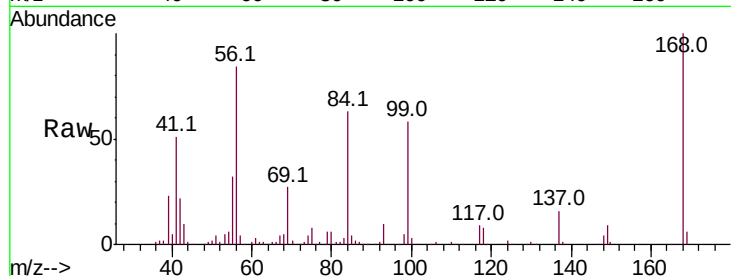
#31
Cyclohexane
Concen: 43.409 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.3	36.5
84	73.7	60.4	90.6

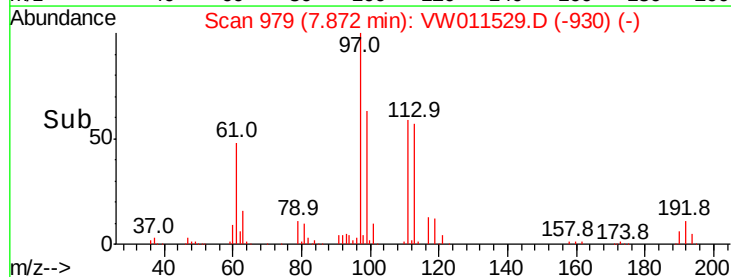
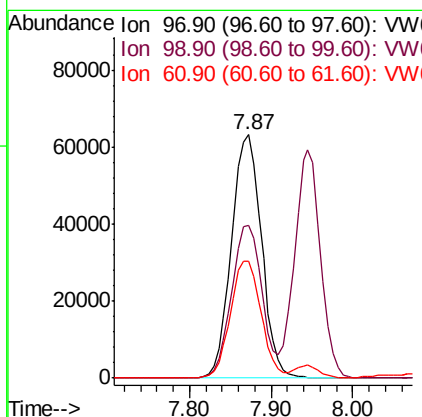
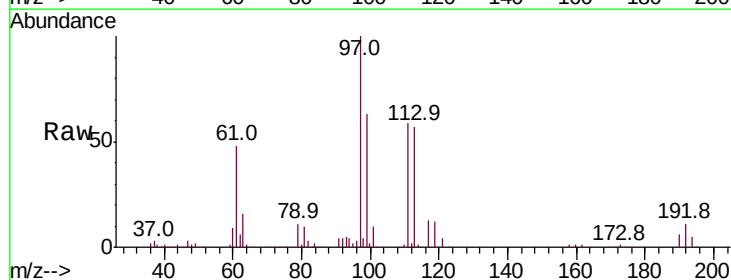
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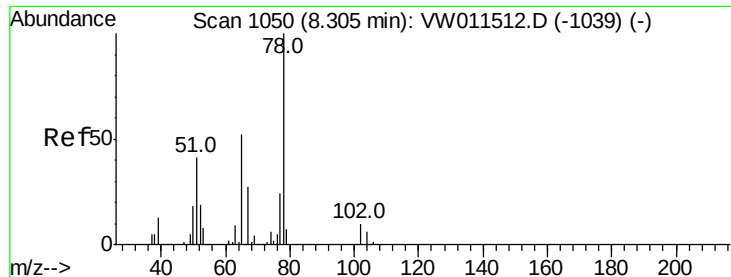
MMDadoda
7/29/2019 9:19:10 AM



#32
1,1,1-Trichloroethane
Concen: 46.490 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	49.1	39.8	59.6





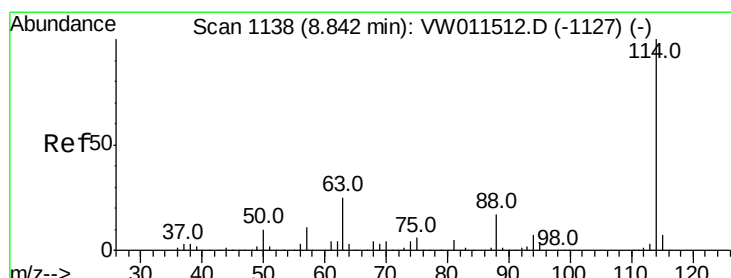
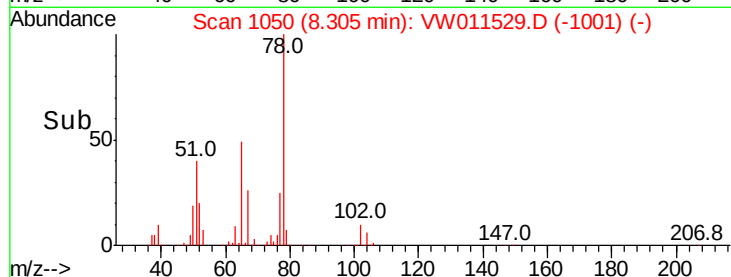
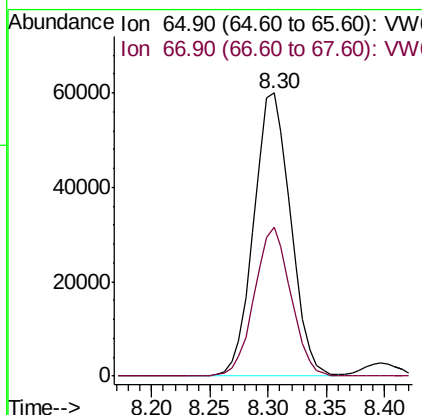
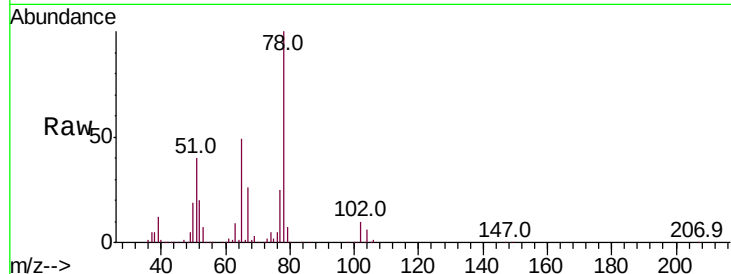
#33
 1,2-Dichloroethane-d4
 Concen: 52.080 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.2

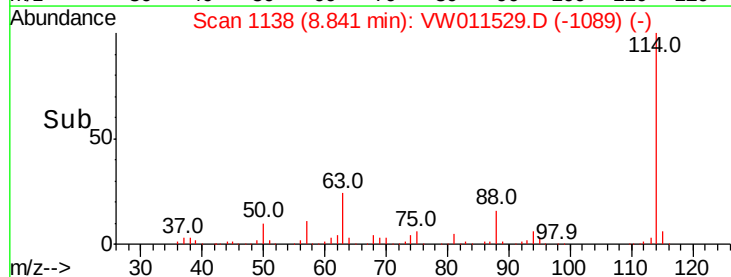
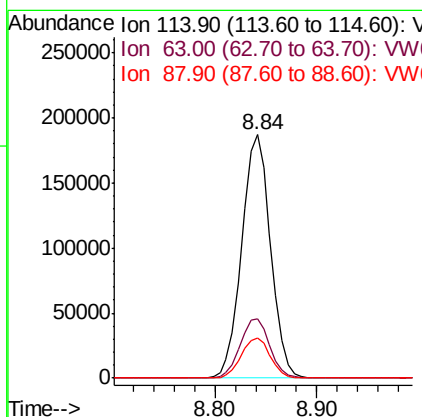
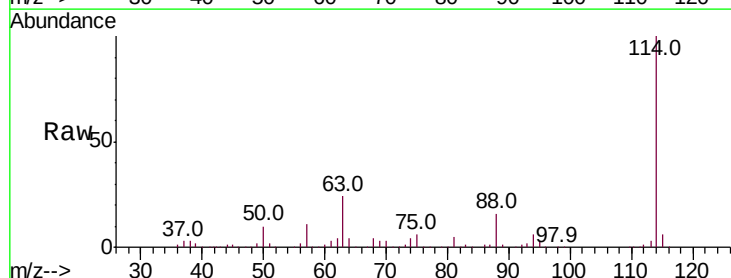
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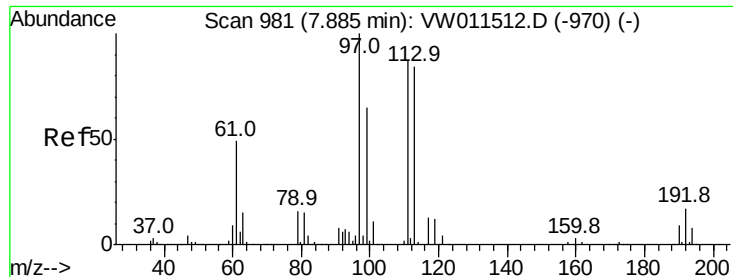
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	16.3	0.0	33.8





#35

Dibromofluoromethane

Concen: 51.595 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

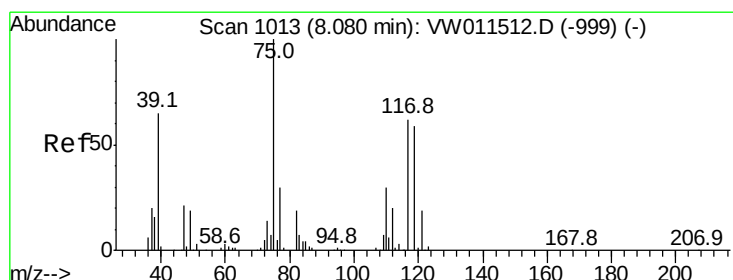
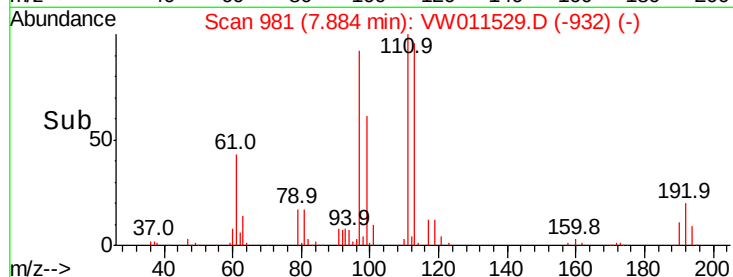
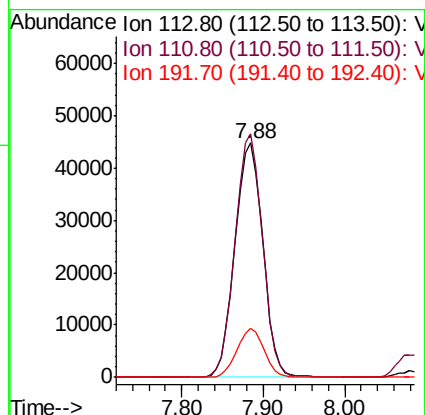
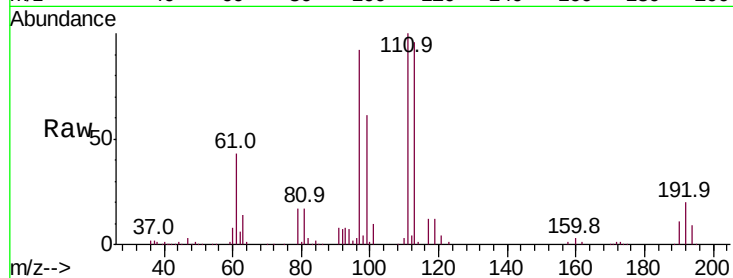
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	106127
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.7	124.1
192	20.0	16.1	24.1

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#36

1,1-Dichloropropene

Concen: 45.574 ug/l

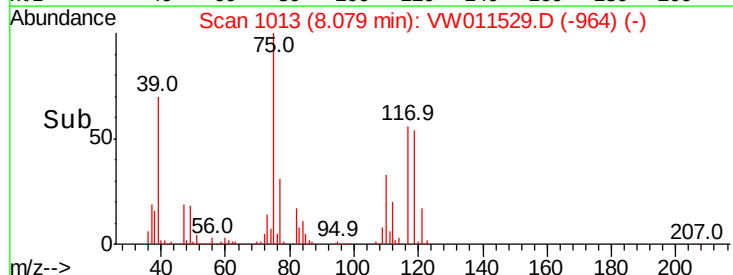
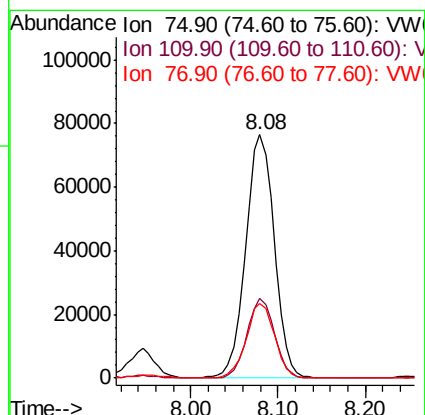
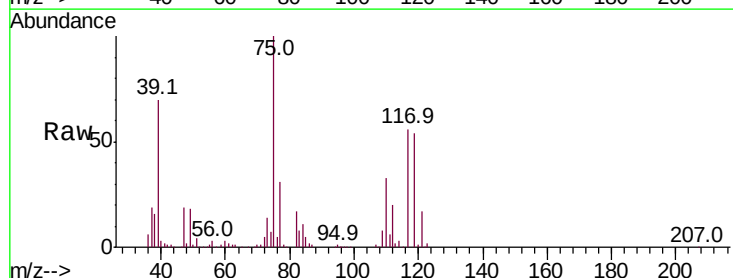
RT: 8.08 min Scan# 1013

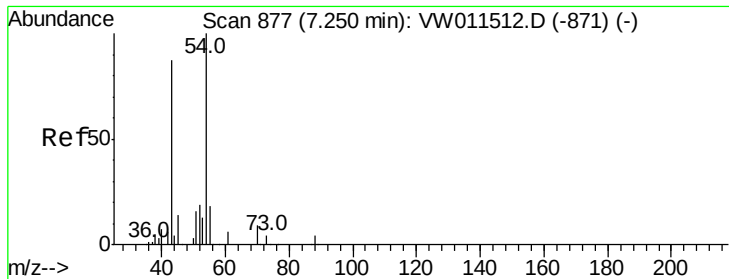
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	75	Resp:	173745
Ion Ratio	Lower	Upper	
75	100		
110	31.5	15.6	46.8
77	30.5	24.3	36.5





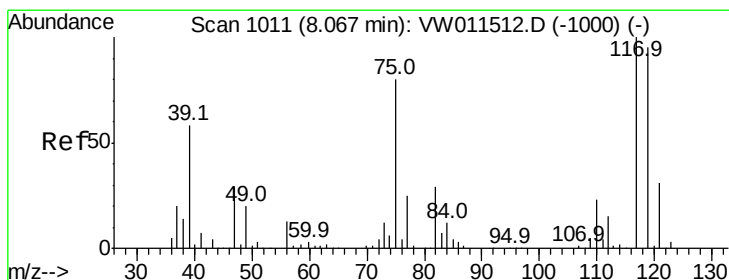
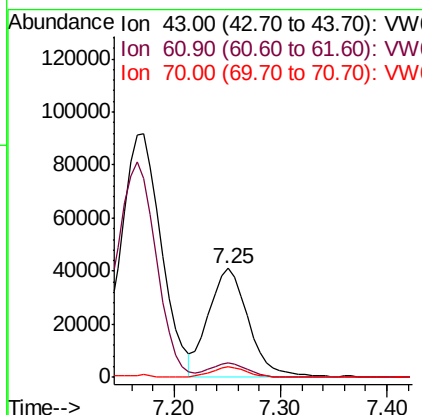
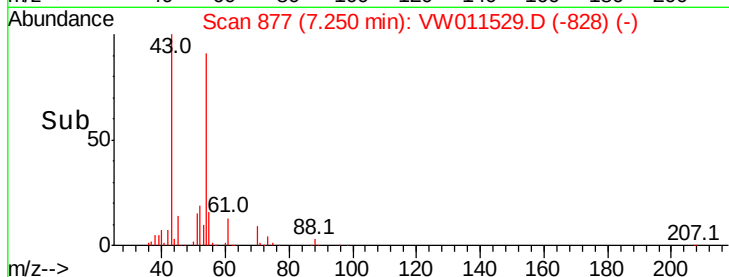
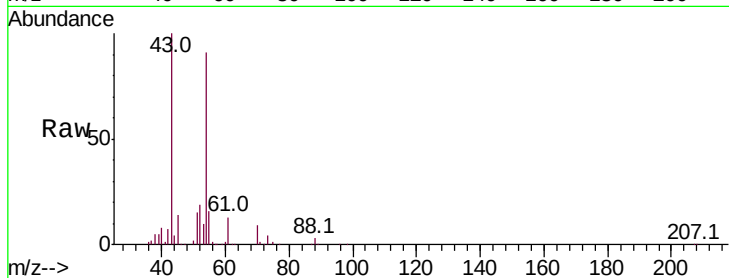
#37
Ethyl Acetate
Concen: 48.003 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	8.8	13.2
70	8.7	7.1	10.7

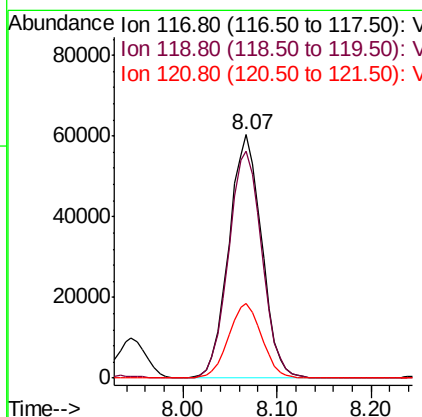
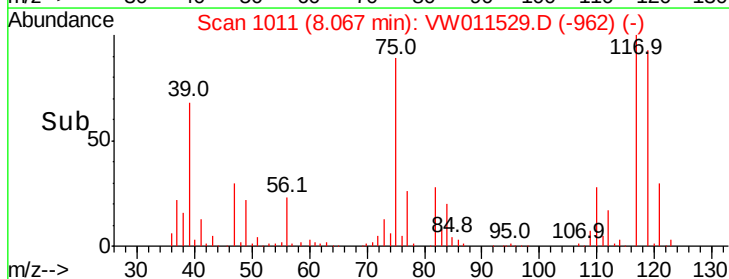
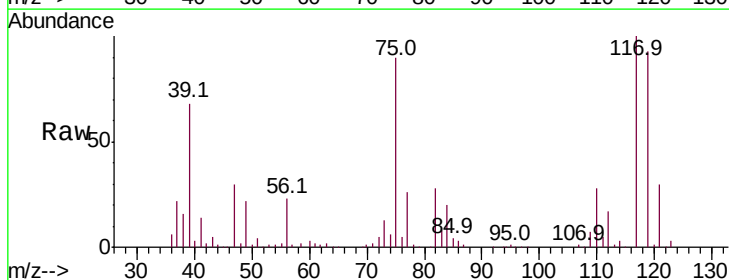
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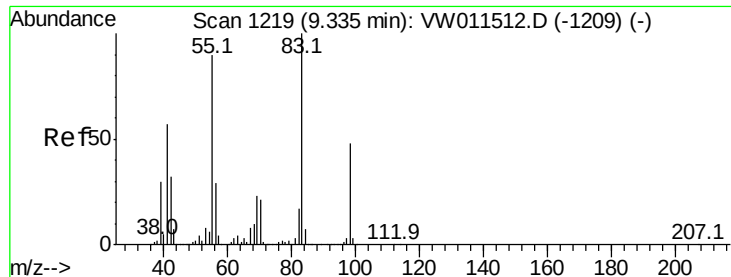
MMDadoda
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#38
Carbon Tetrachloride
Concen: 44.773 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	75.8	113.6
121	30.4	24.7	37.1





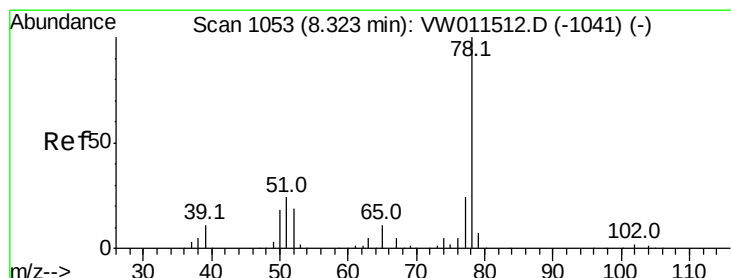
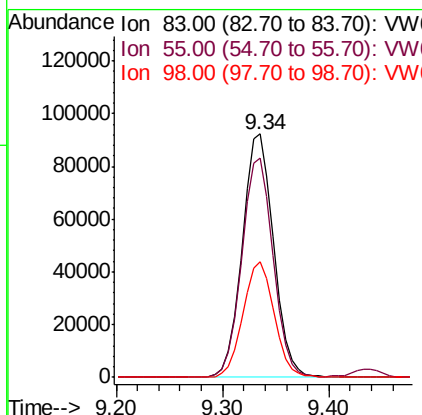
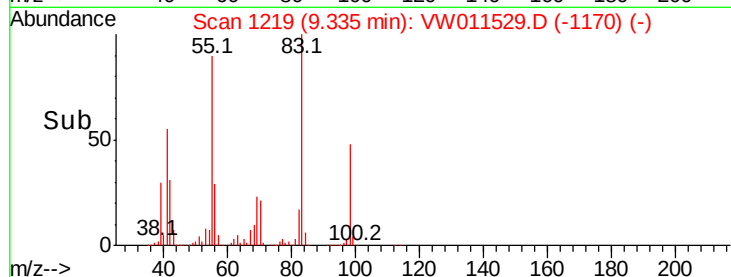
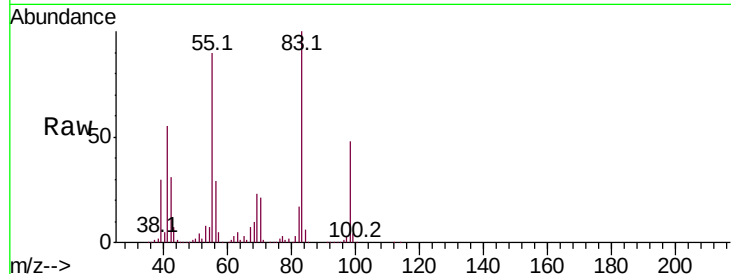
#39
Methylvlcyclohexane
Concen: 45.533 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.8	72.1	108.1
98	47.6	38.6	57.8

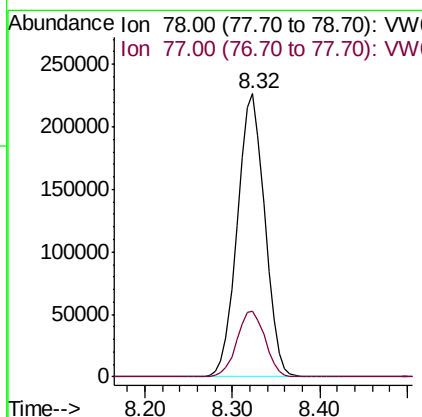
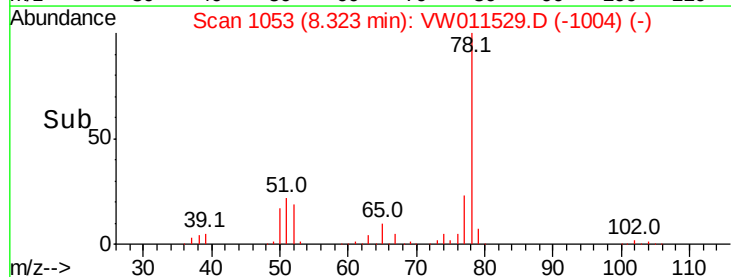
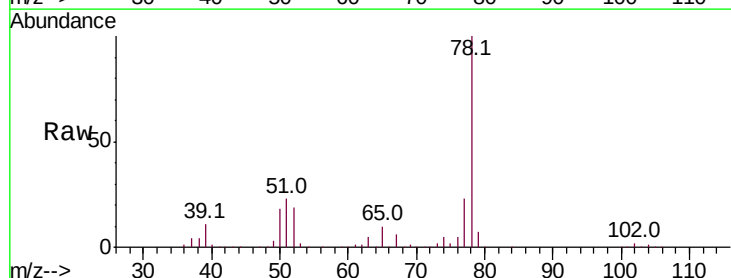
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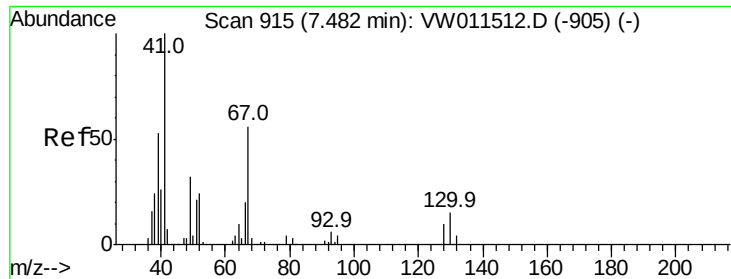
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#40
Benzene
Concen: 46.427 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





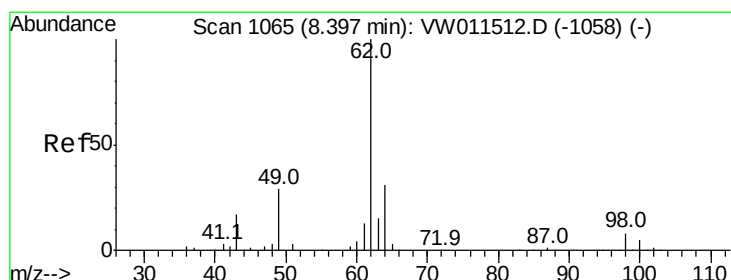
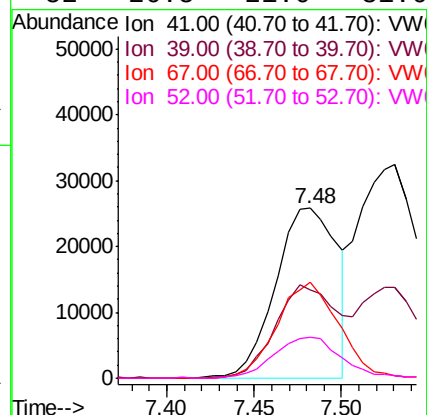
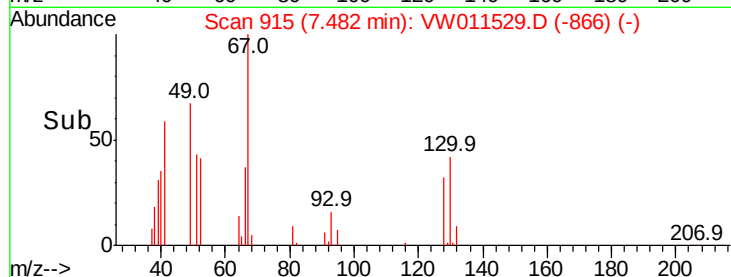
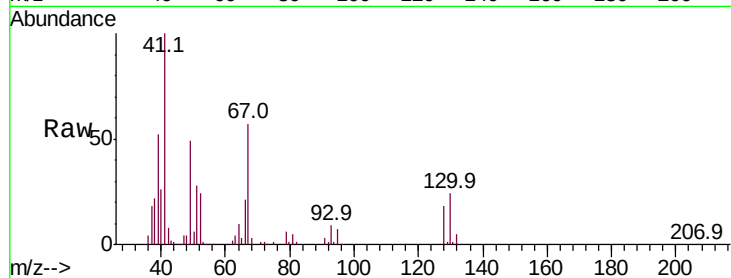
#41
Methacrylonitrile
Concen: 48.692 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.2	43.0	64.4
67	57.3	47.5	71.3
52	26.5	21.0	31.6

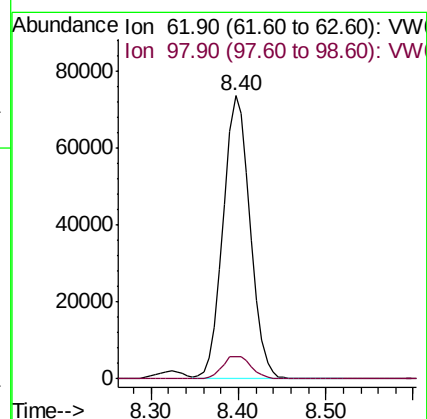
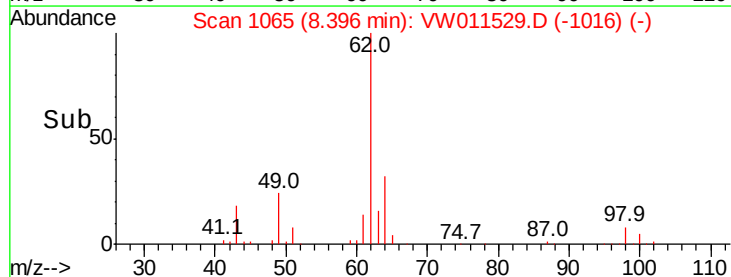
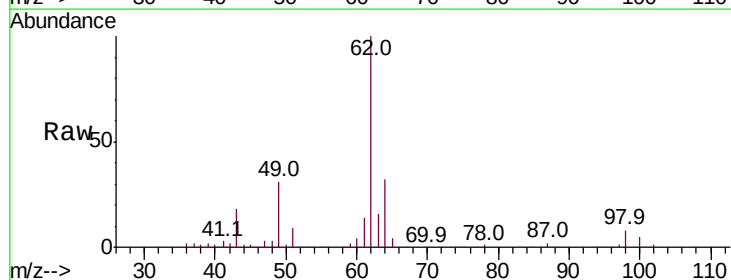
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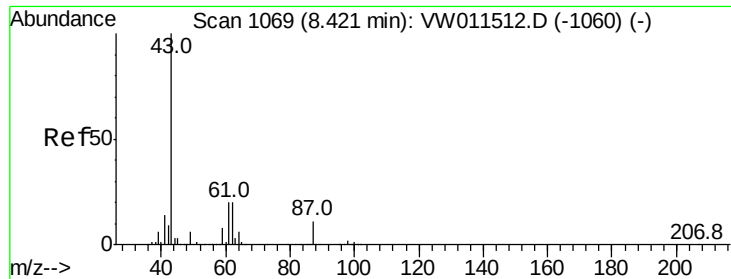
MMDadoda
7/29/2019 9:19:10 AM



#42
1,2-Dichloroethane
Concen: 47.128 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 49.126 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

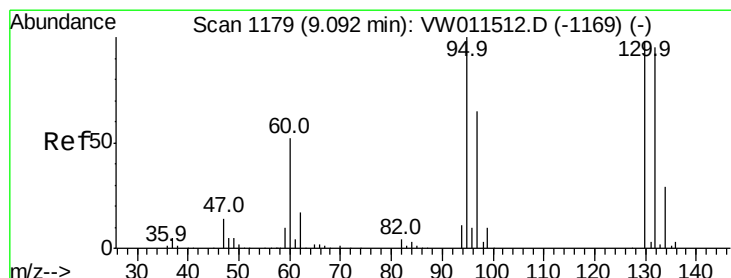
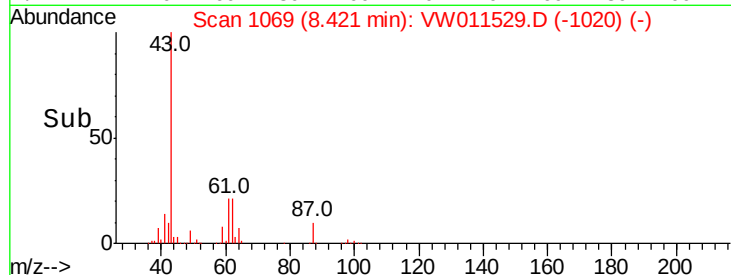
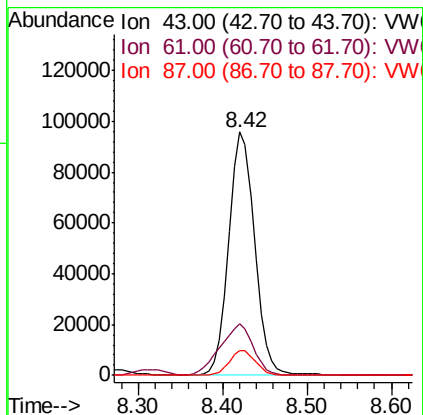
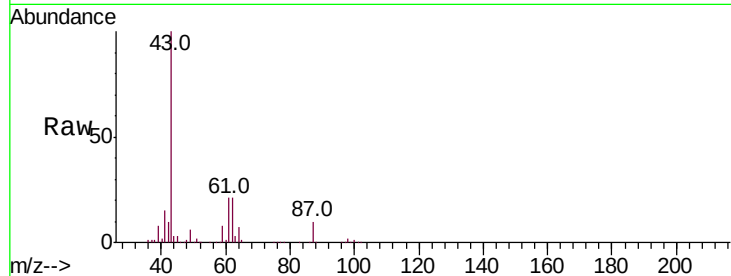
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	198163
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.5	32.3
87	10.4	8.4	12.6

Manual Integrations
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7/29/2019 9:19:10 AM



#44

Trichloroethene

Concen: 46.213 ug/l

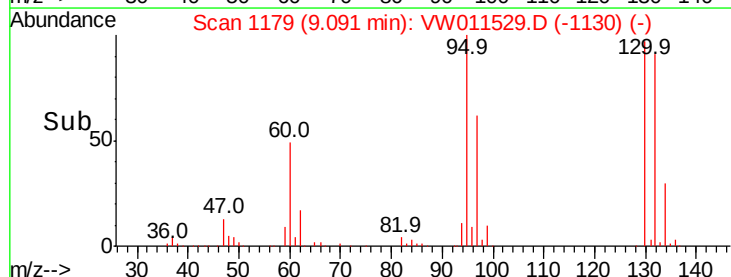
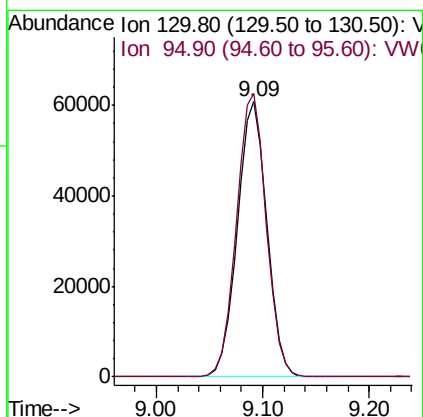
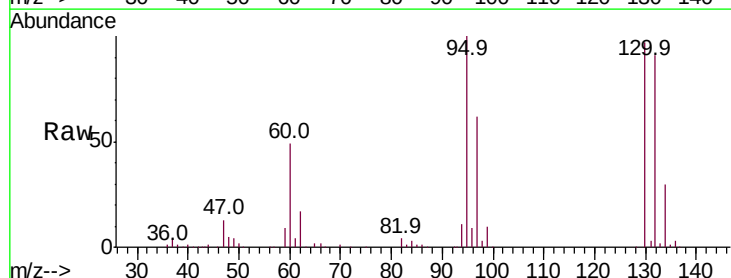
RT: 9.09 min Scan# 1179

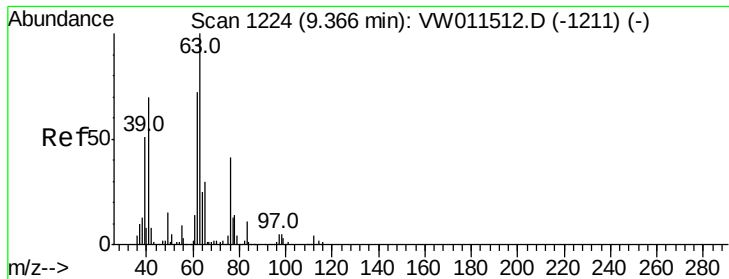
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	130	Resp:	118610
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	204.8





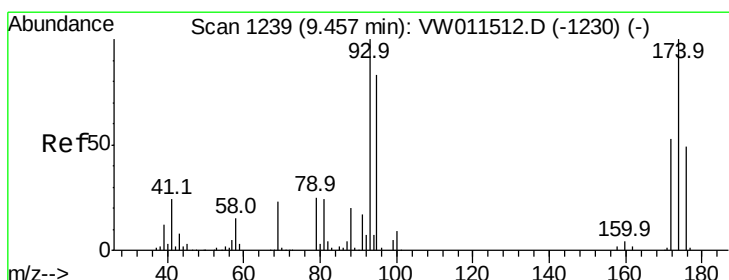
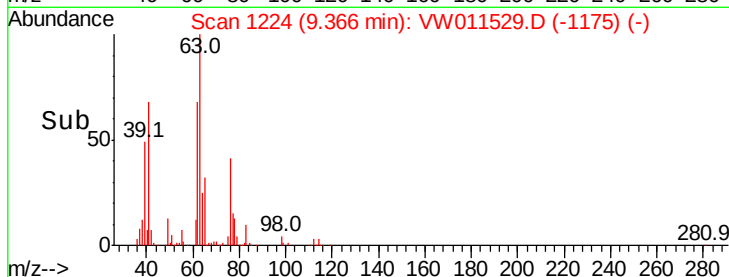
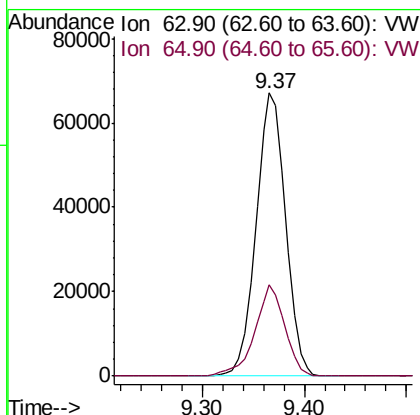
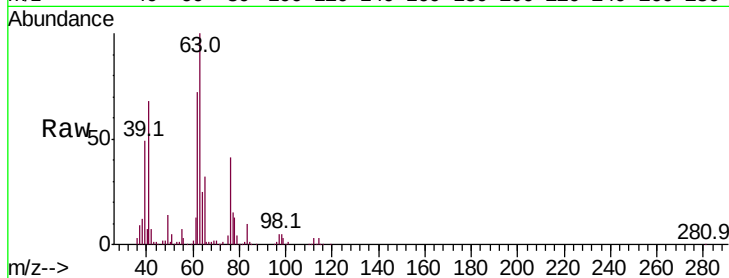
#45
 1,2-Dichloropropane
 Concen: 47.340 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.2	36.4

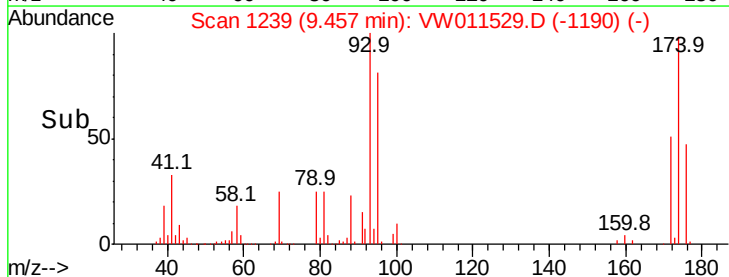
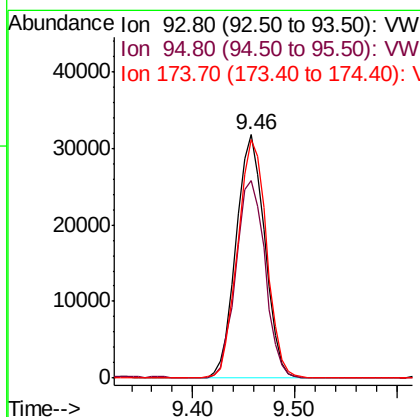
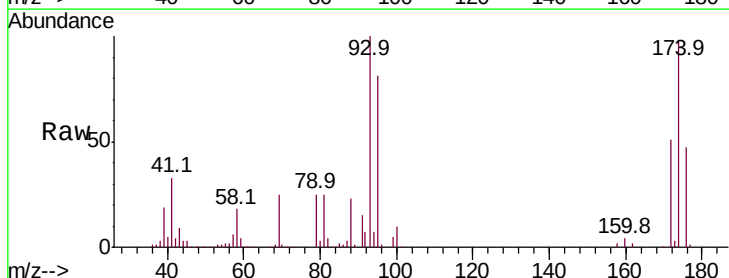
Manual Integrations
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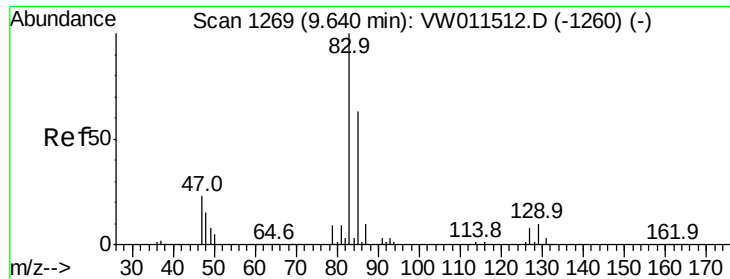
MMDadoda
 7/29/2019 9:19:10 AM



#46
 Dibromomethane
 Concen: 47.385 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.2	99.2
174	99.0	78.2	117.4





#47

Bromodichloromethane

Concen: 46.650 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

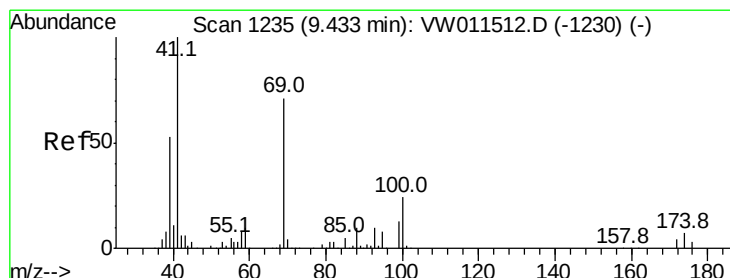
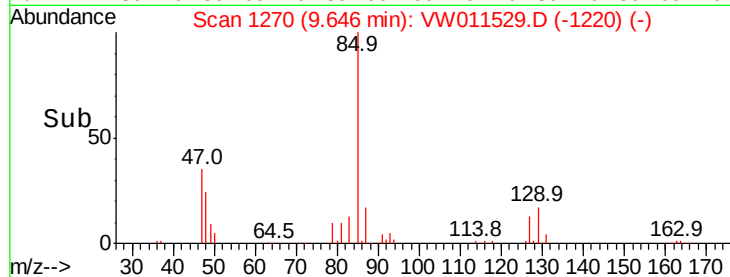
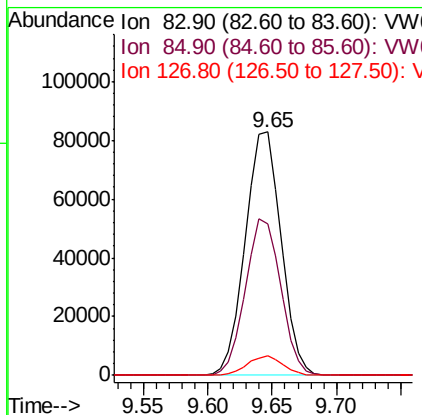
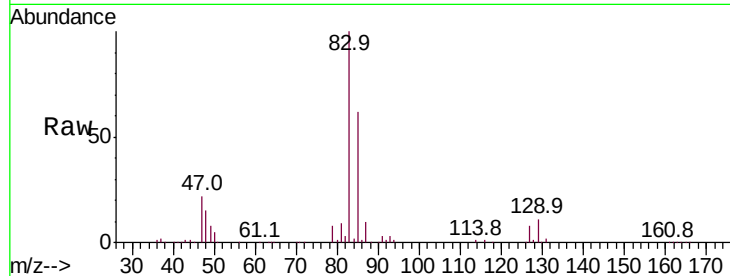
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	159584
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.5	75.7
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.639 ug/l

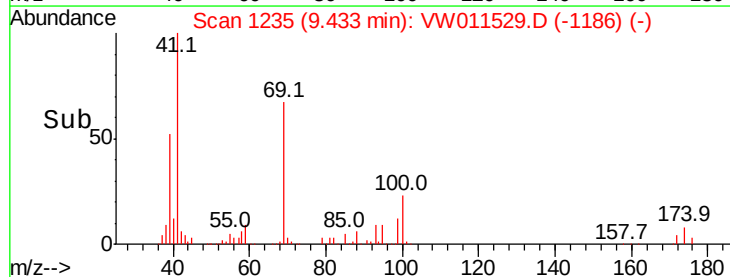
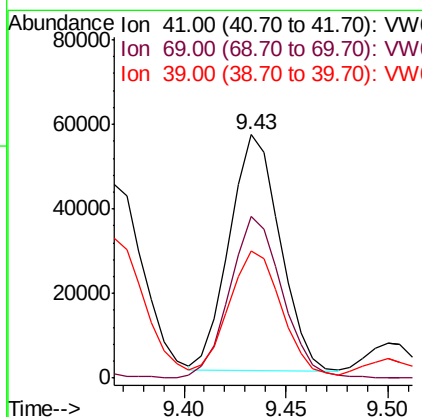
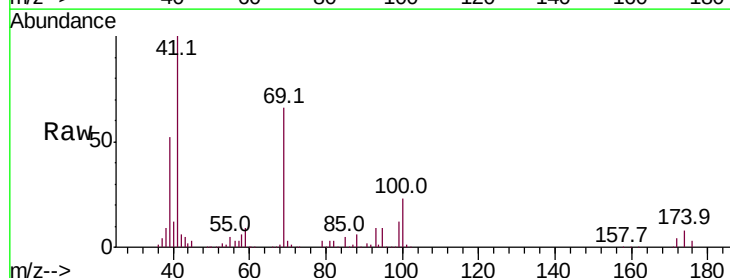
RT: 9.43 min Scan# 1235

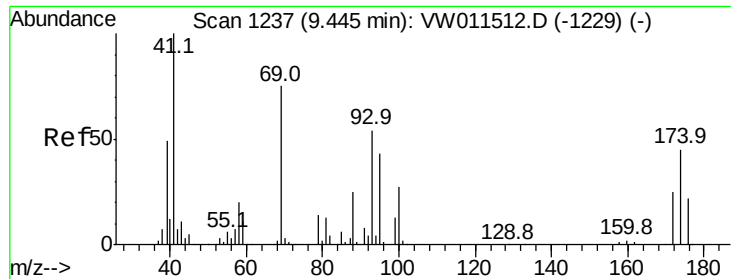
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	41	Resp:	96184
Ion	Ratio	Lower	Upper
41	100		
69	71.5	57.1	85.7
39	56.9	45.4	68.2





#49

1,4-Dioxane

Concen: 973.535 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

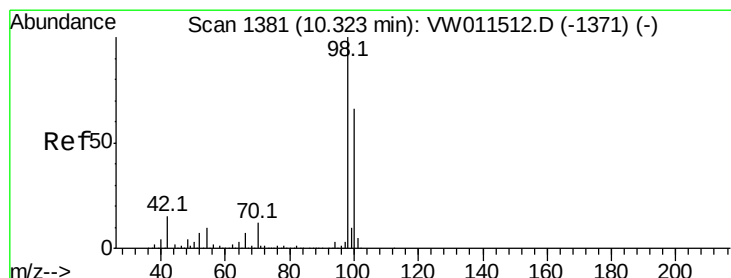
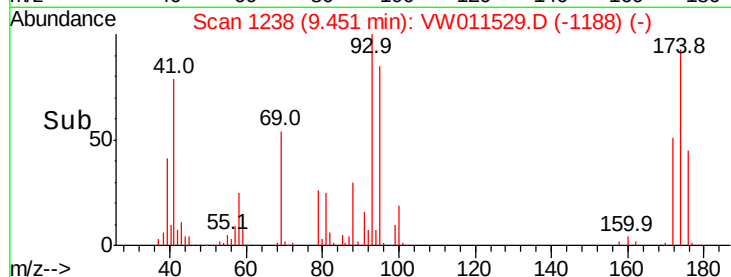
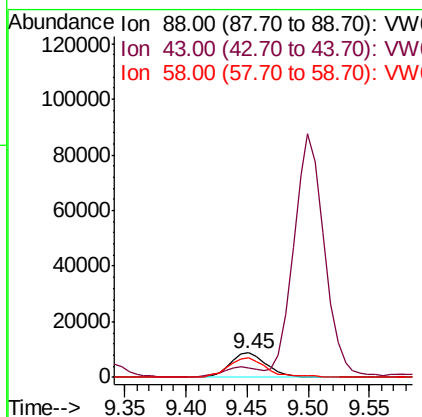
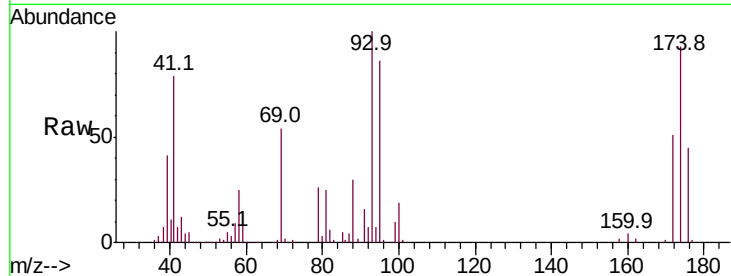
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	18383
Ion	Ratio	Lower	Upper
88	100		
43	40.1	34.0	51.0
58	85.9	69.7	104.5

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#50

Toluene-d8

Concen: 51.102 ug/l

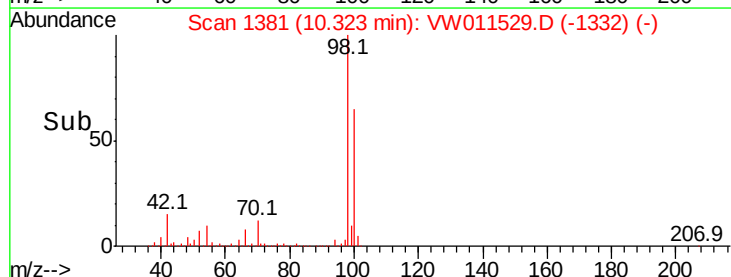
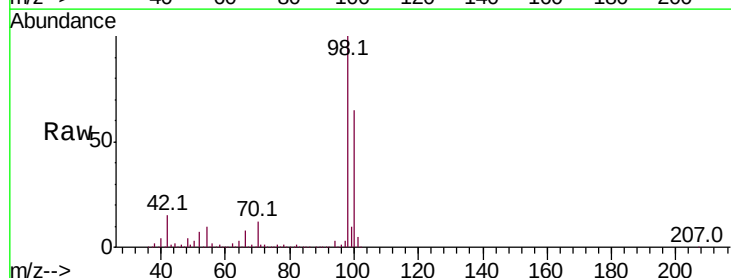
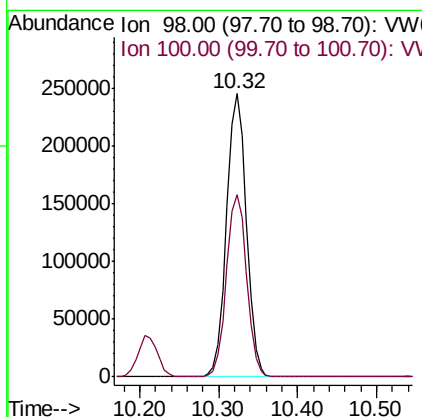
RT: 10.32 min Scan# 1381

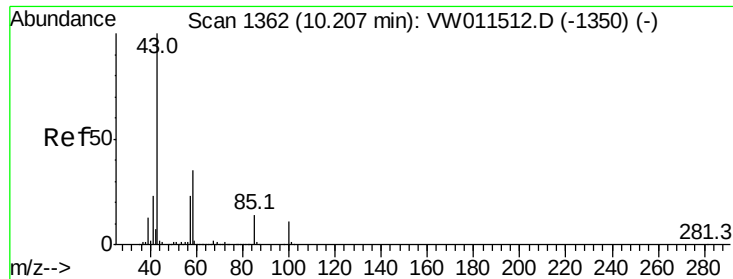
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	98	Resp:	430361
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 249.391 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 523264

Ion Ratio Lower Upper

43 100

58 35.1

28.2

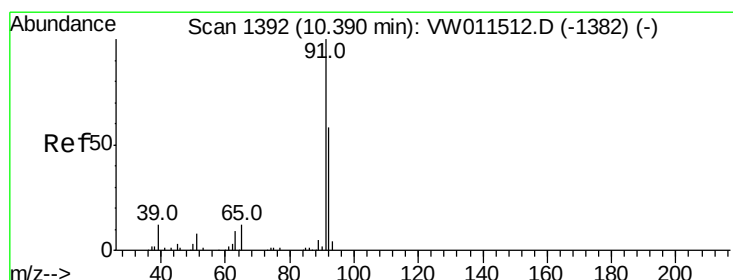
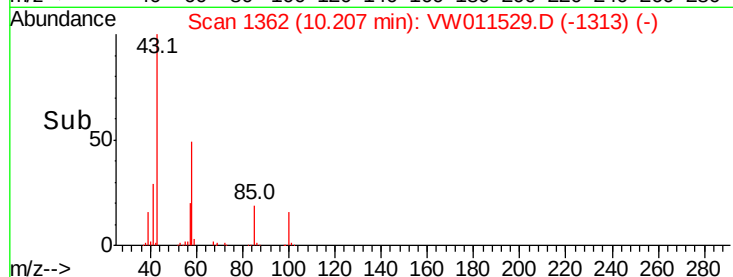
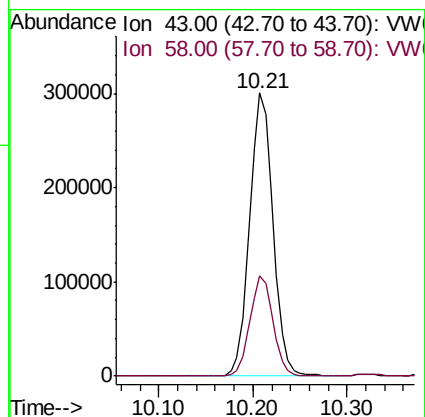
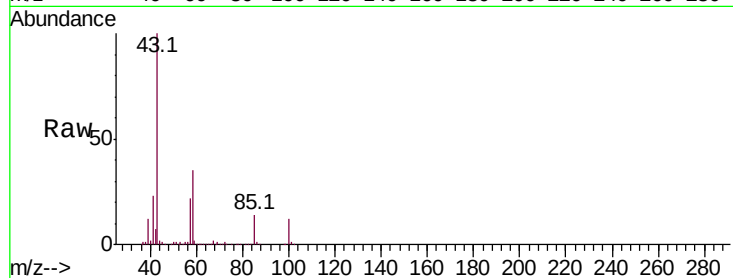
42.2

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#52

Toluene

Concen: 46.881 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion: 92 Resp: 302329

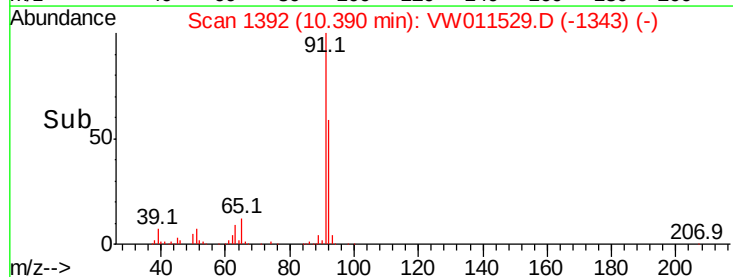
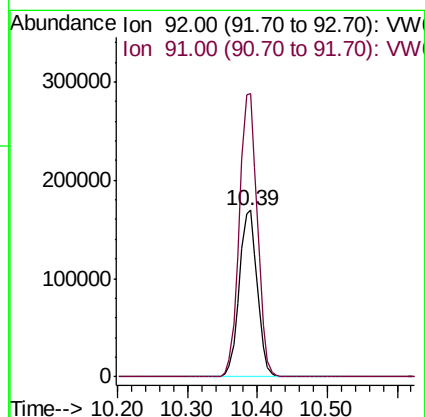
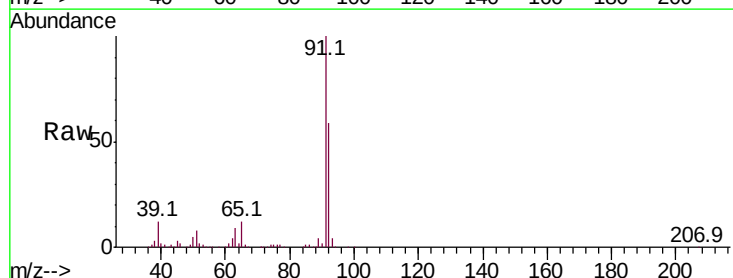
Ion Ratio Lower Upper

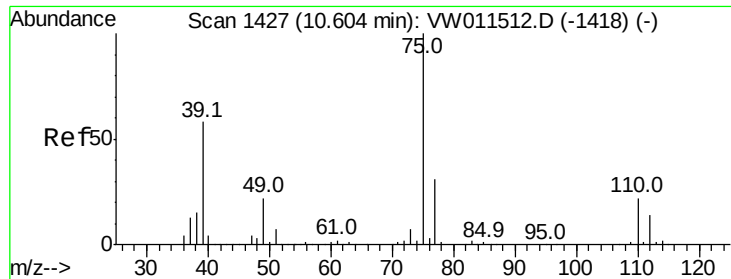
92 100

91 170.1

136.7

205.1





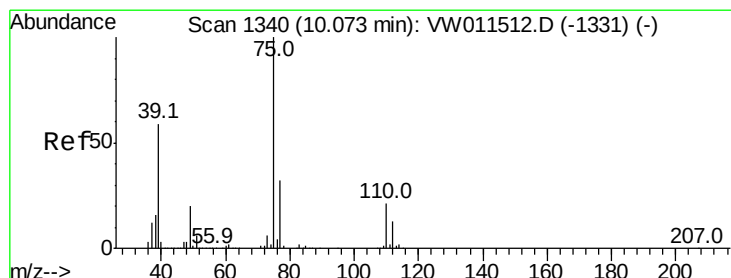
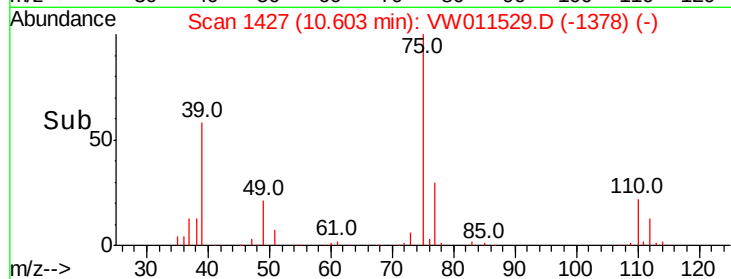
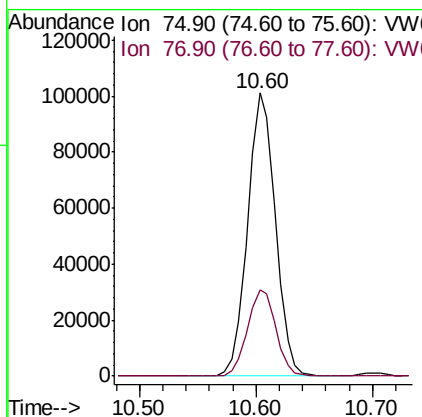
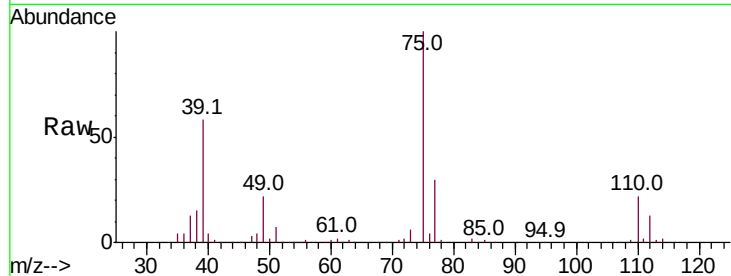
#53
 t-1,3-Dichloropropene
 Concen: 47.077 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 168228
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.0 37.4

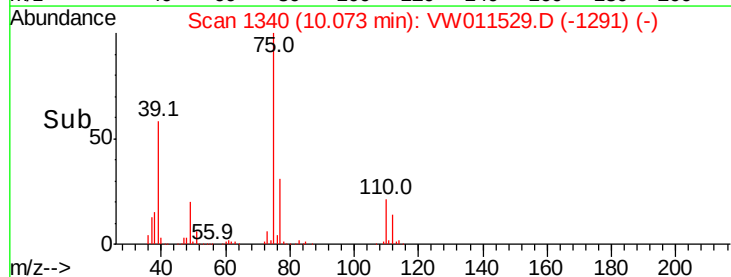
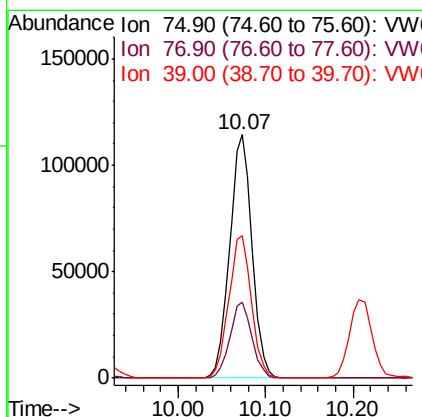
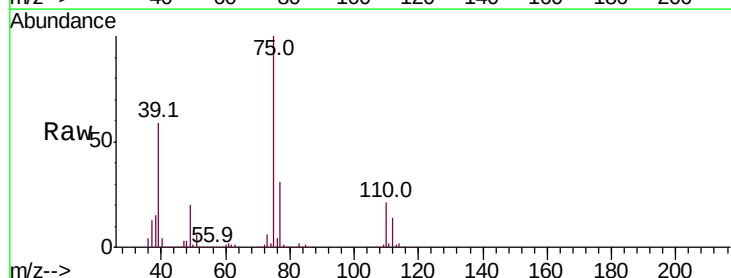
Manual Integrations
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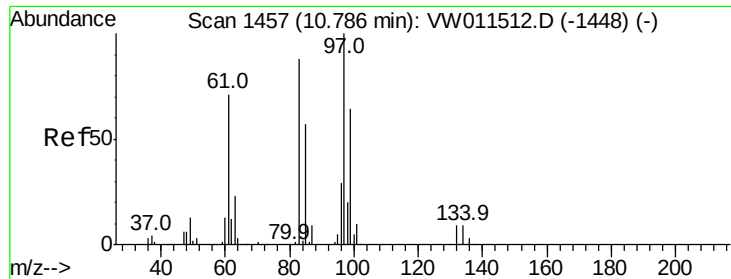
MMDadoda
 7/29/2019 9:19:10 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.710 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 75 Resp: 202714
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.6 38.4
 39 58.6 47.0 70.4





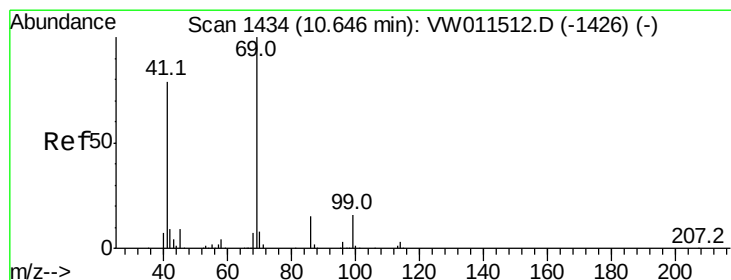
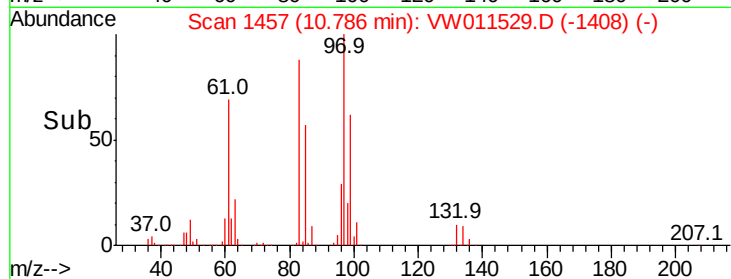
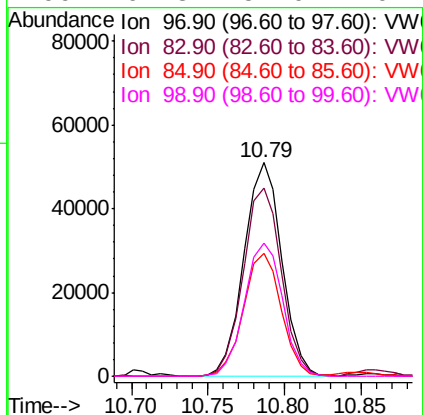
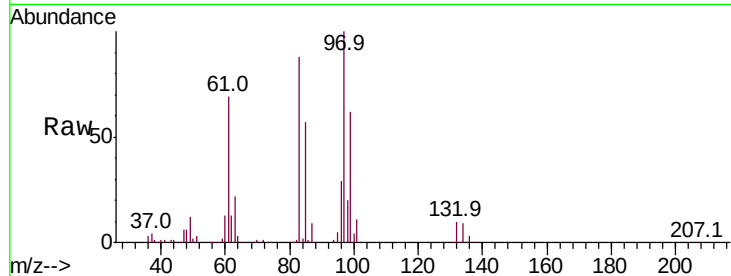
#55
 1,1,2-Trichloroethane
 Concen: 47.255 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	87438
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.5	105.7
85	57.4	45.8	68.6
99	62.3	51.0	76.4

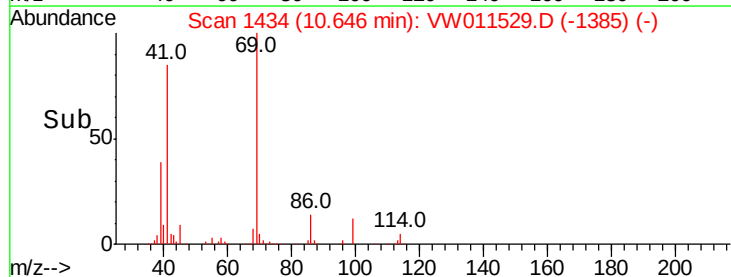
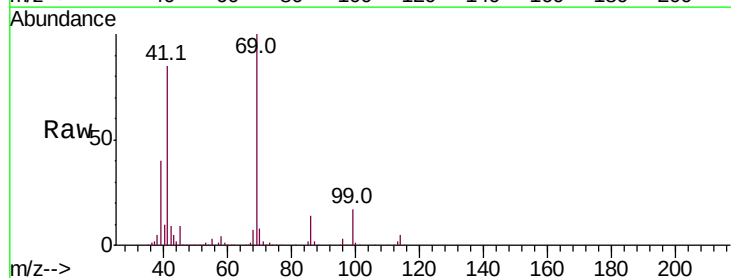
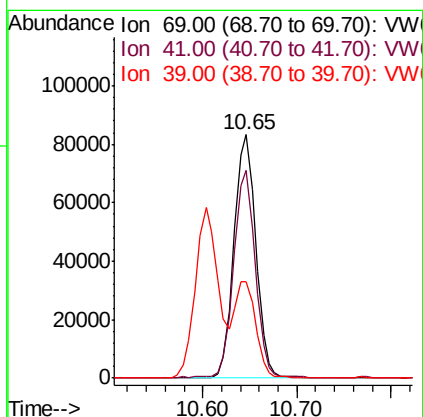
Manual Integrations
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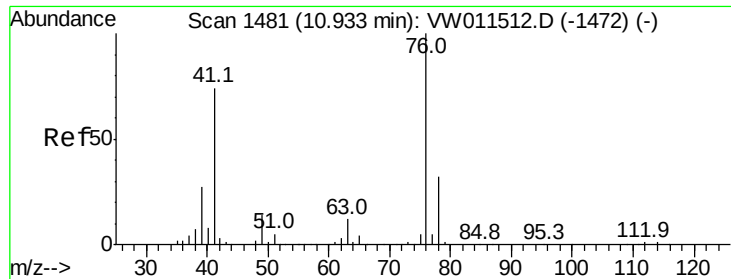
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#56
 Ethyl methacrylate
 Concen: 49.940 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	69	Resp	135220
Ion	Ratio	Lower	Upper
69	100		
41	84.3	66.6	99.8
39	37.5	30.3	45.5





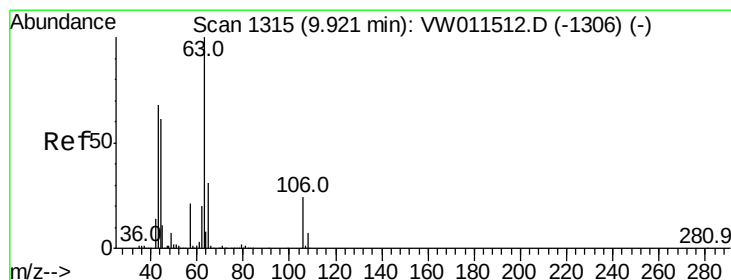
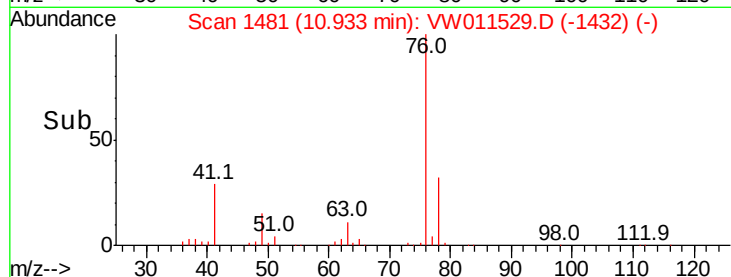
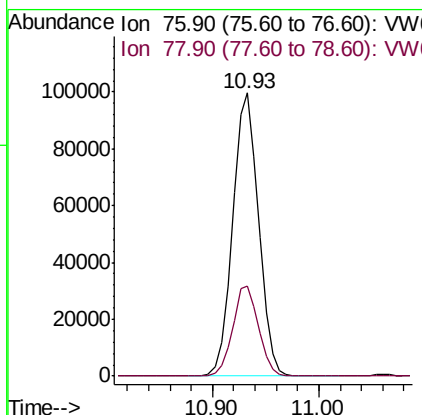
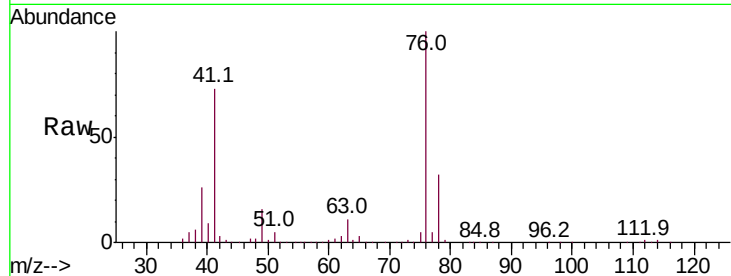
#57
 1,3-Dichloropropane
 Concen: 48.379 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.2	37.8

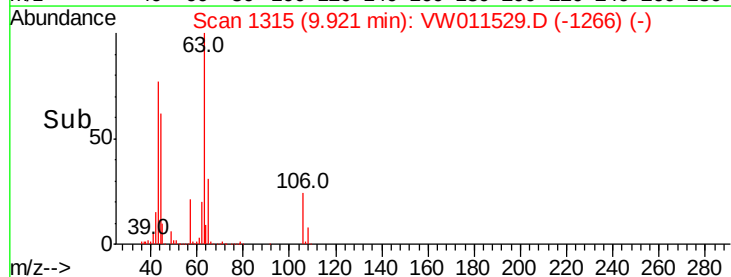
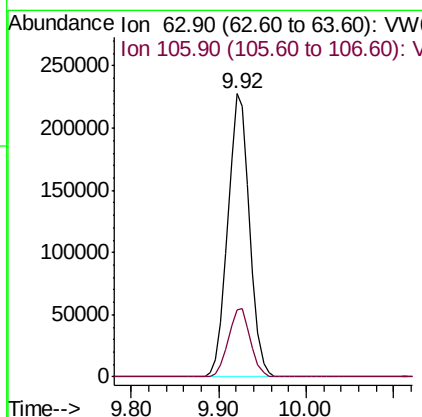
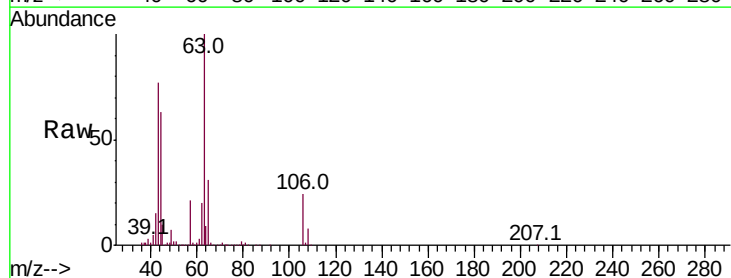
Manual Integrations
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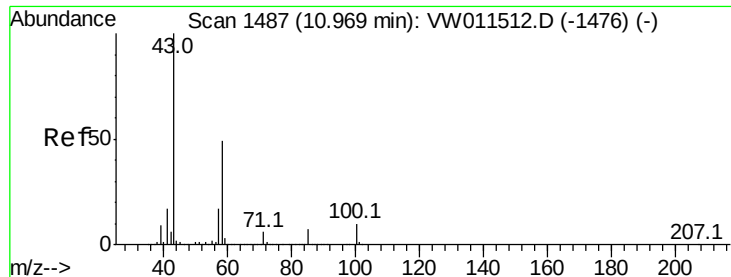
MMDadoda
 7/29/2019 9:19:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 318.260 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.7	29.5





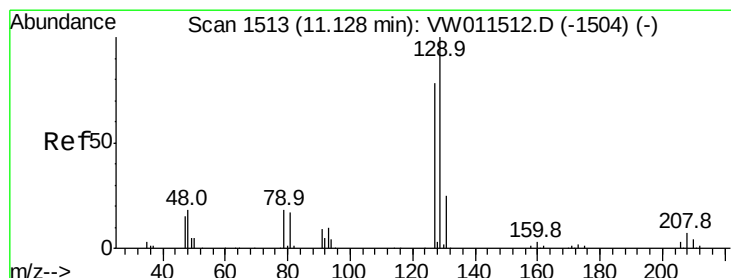
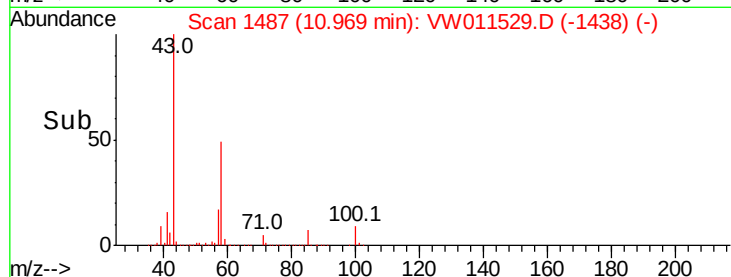
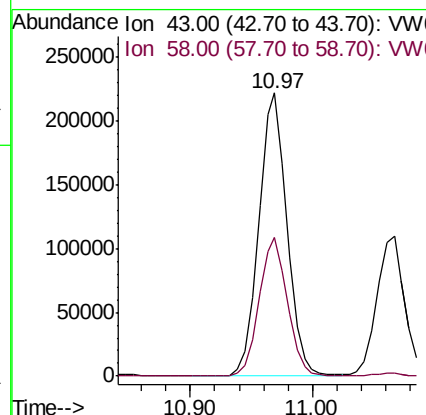
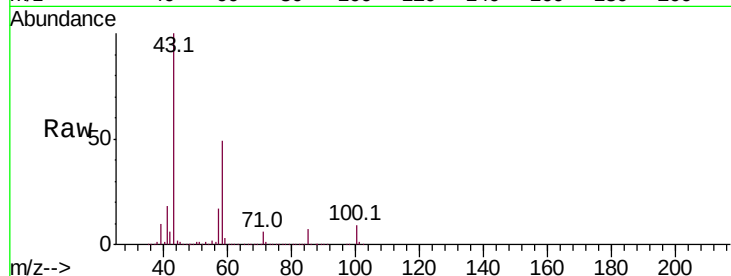
#59
2-Hexanone
Concen: 240.347 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 356060
Ion Ratio Lower Upper
43 100
58 49.2 24.3 72.9

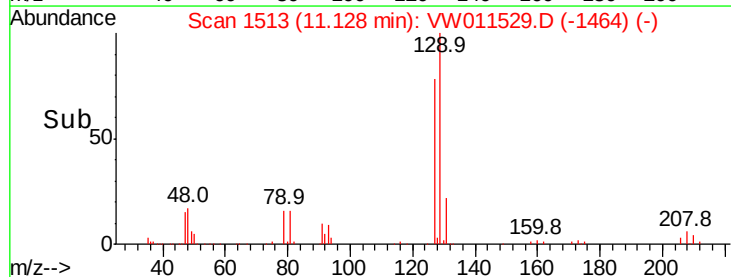
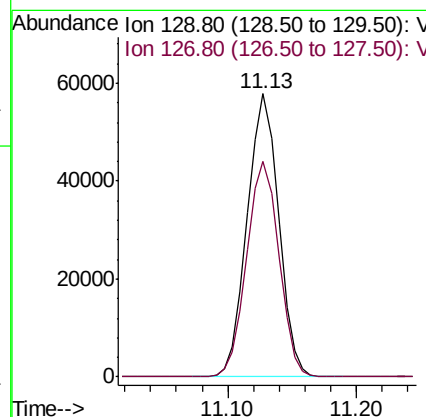
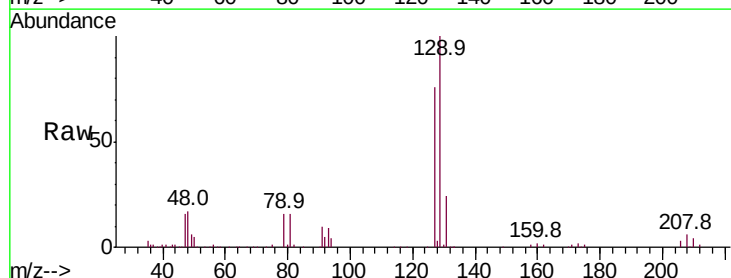
Manual Integrations
APPROVED

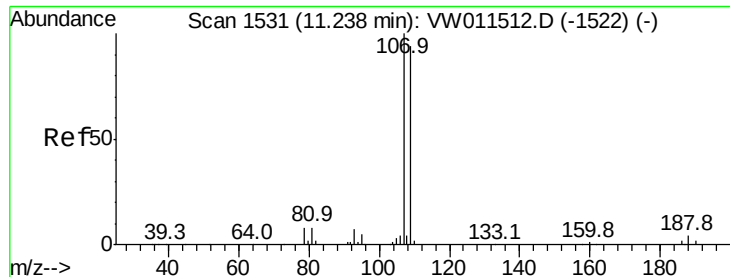
MMDadoda
7/29/2019 9:19:10 AM



#60
Dibromochloromethane
Concen: 47.722 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion: 129 Resp: 98016
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





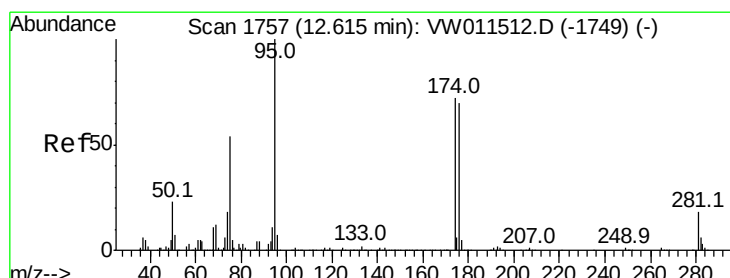
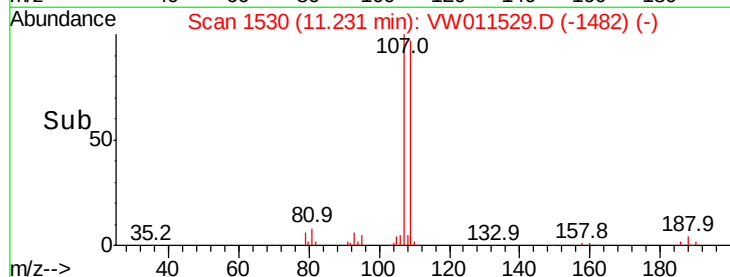
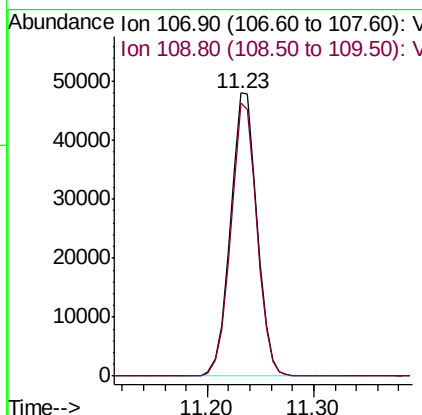
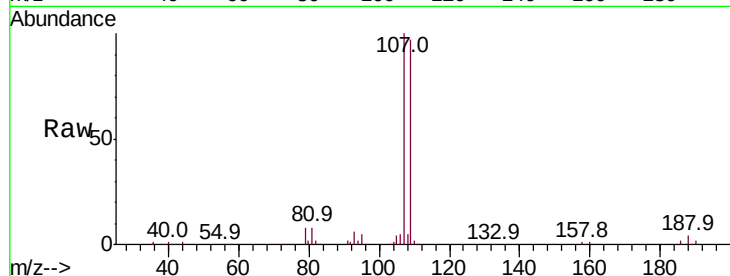
#61
 1,2-Dibromoethane
 Concen: 48.036 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

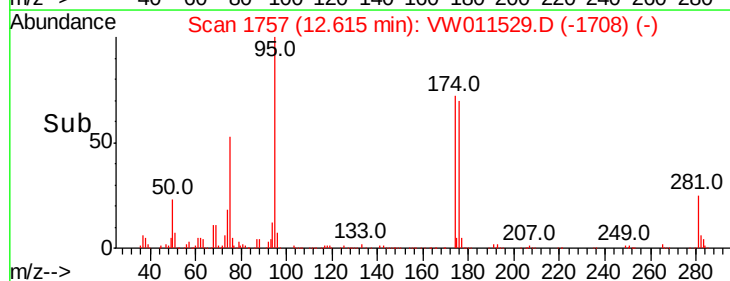
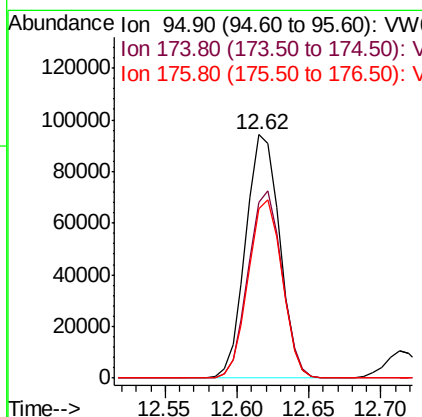
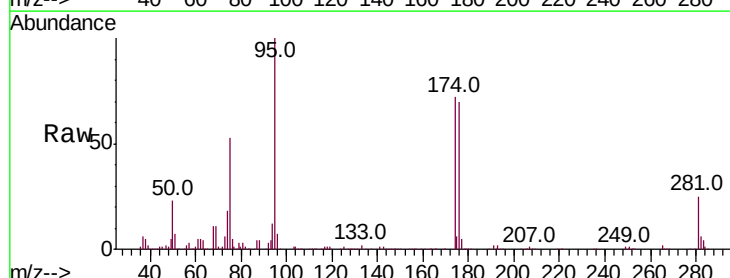
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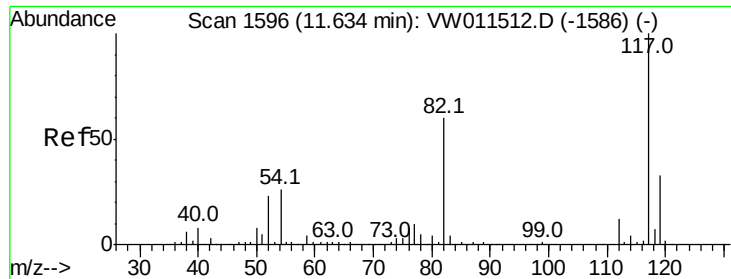
MMDadoda
 7/29/2019 9:19:10 AM



#62
 4-Bromofluorobenzene
 Concen: 51.342 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	150.2
176	72.8	0.0	144.4





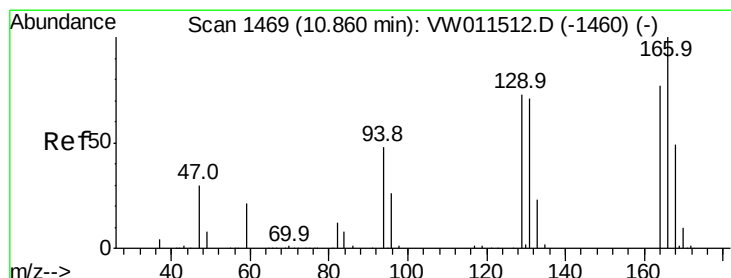
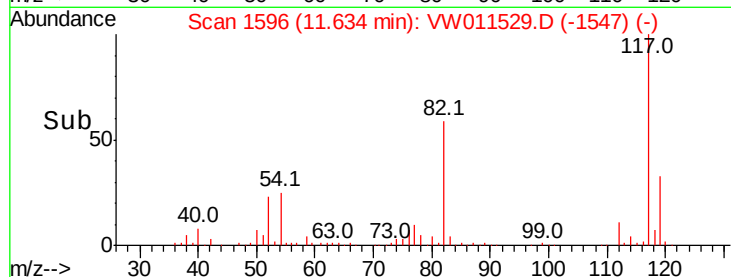
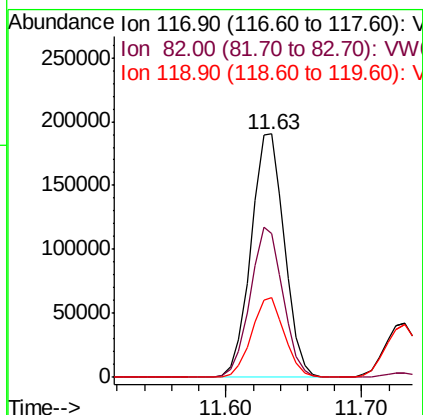
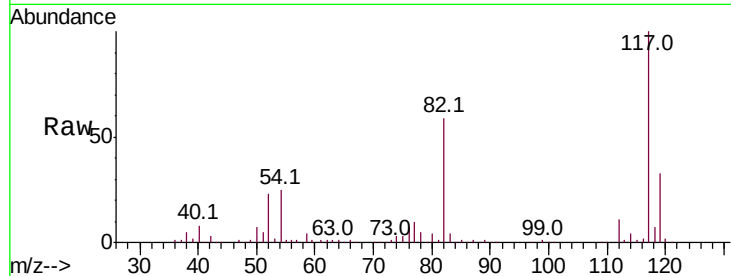
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.9	71.9
119	32.7	26.2	39.2

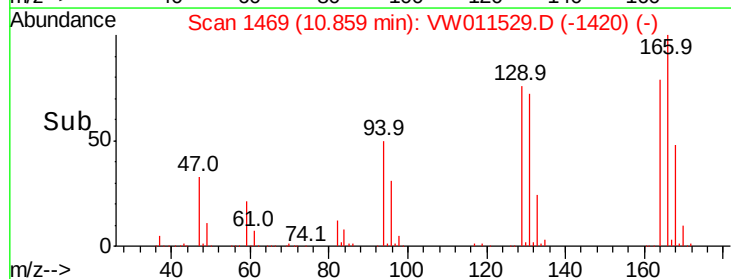
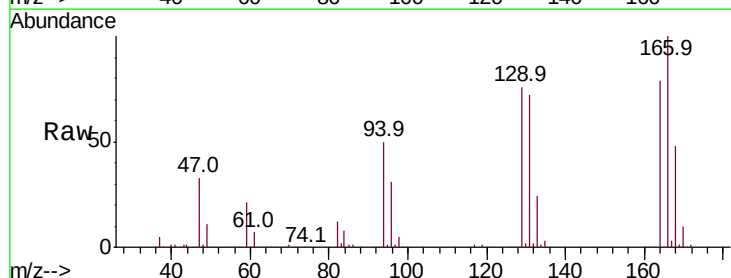
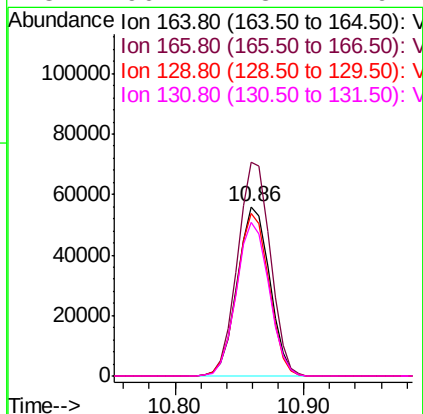
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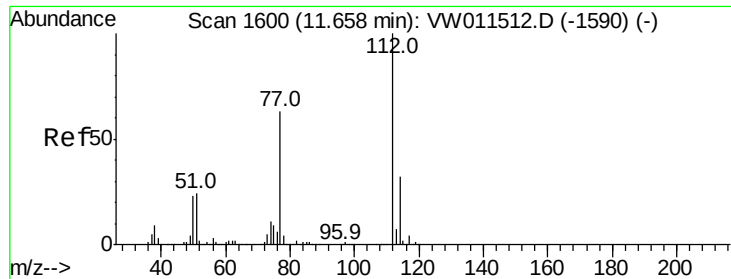
MMDadoda
7/29/2019 9:19:10 AM



#64
Tetrachloroethene
Concen: 45.546 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.5	155.3
129	96.4	75.2	112.8
131	90.7	73.4	110.2





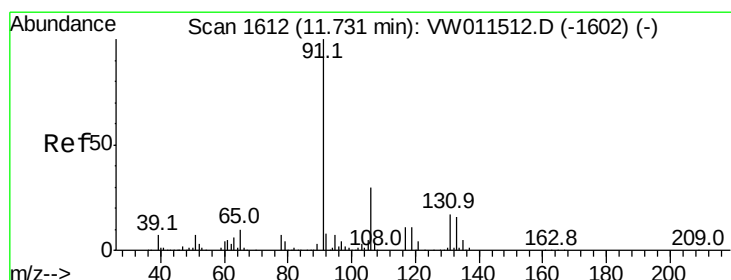
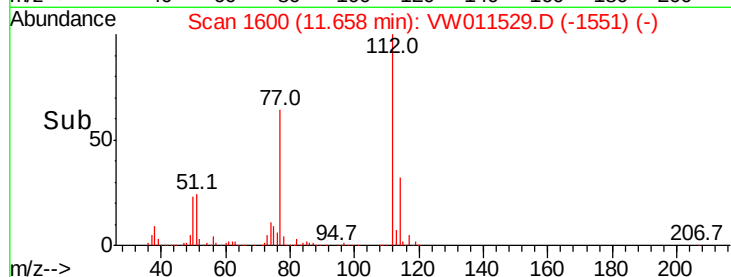
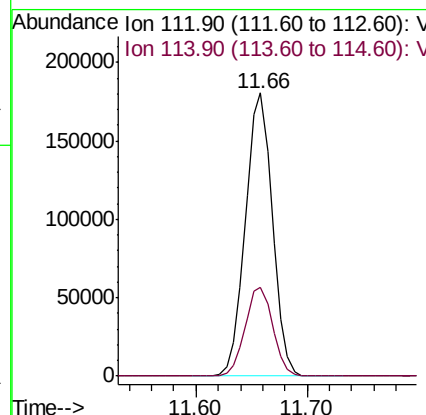
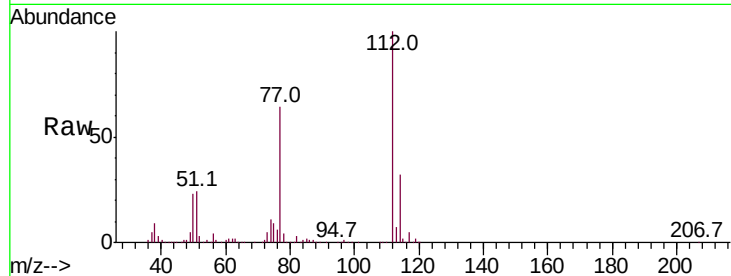
#65
Chlorobenzene
Concen: 45.989 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4

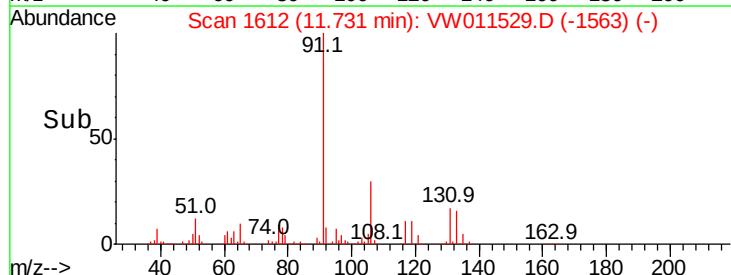
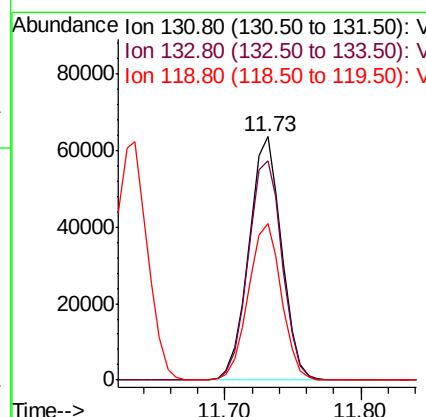
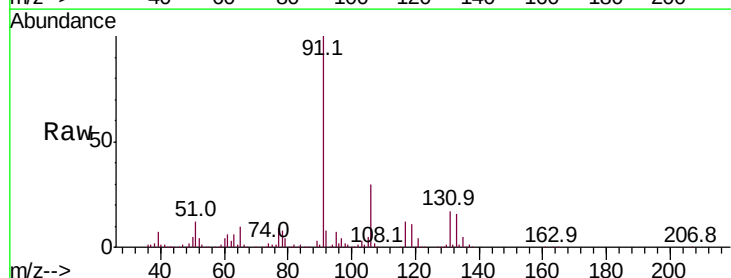
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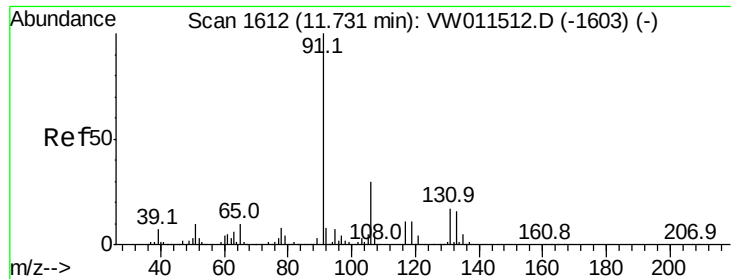
MMDadoda
7/29/2019 9:19:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.633 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.4	142.2
119	65.0	32.3	96.9





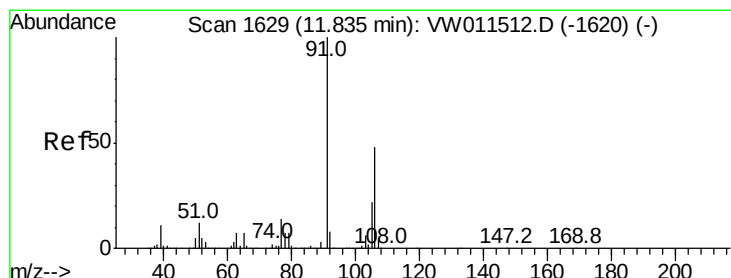
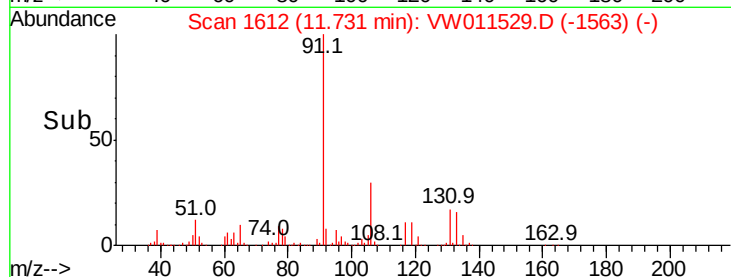
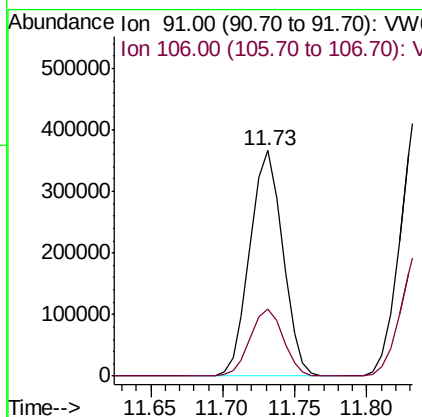
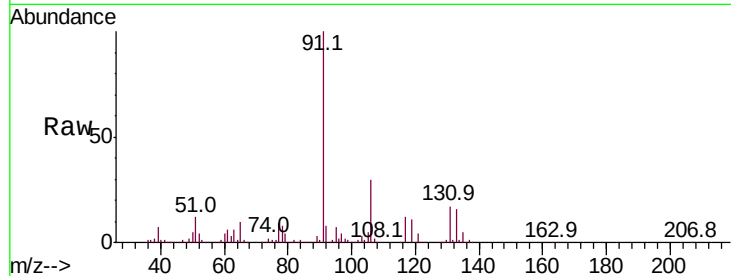
#67
Ethyl Benzene
Concen: 46.251 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.8	35.6

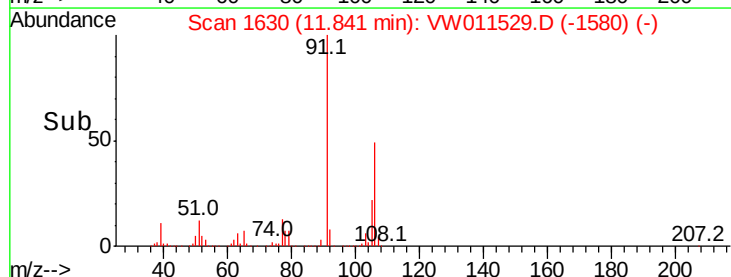
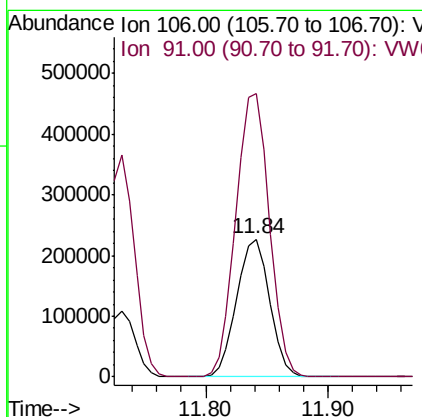
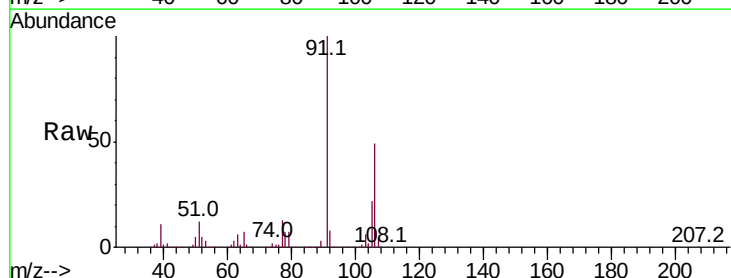
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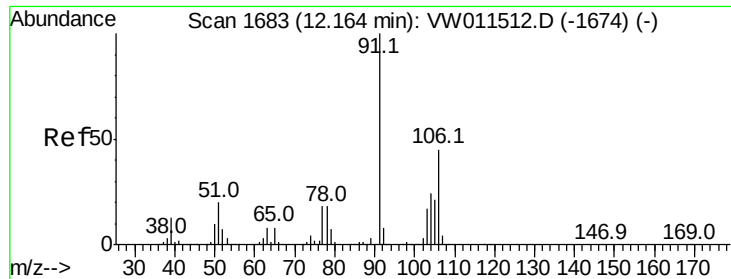
MMDadoda
7/29/2019 9:19:10 AM



#68
m/p-Xylenes
Concen: 93.075 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.0	168.2	252.2





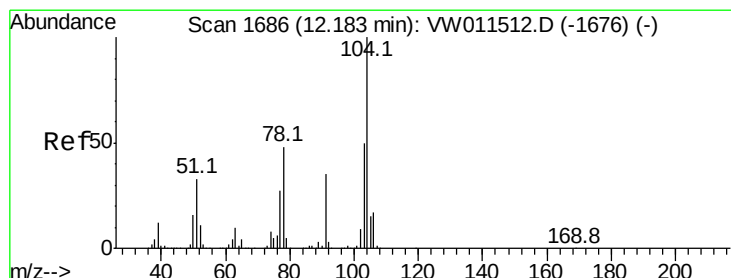
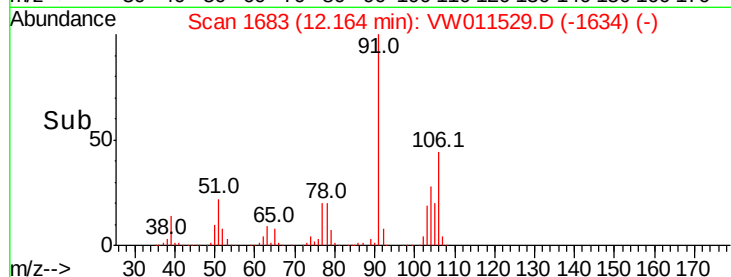
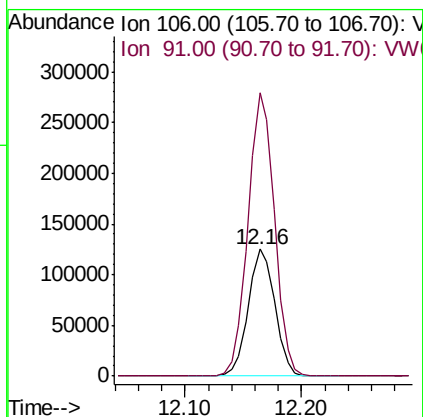
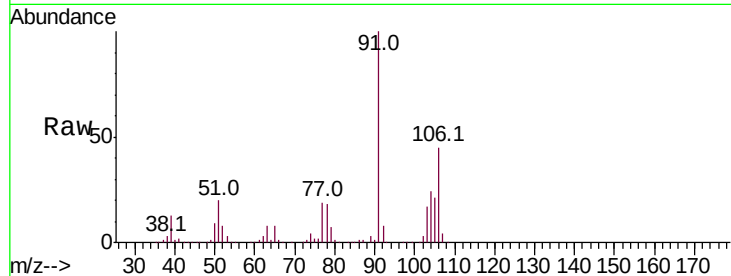
#69
o-Xylene
Concen: 47.132 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.0	110.5	331.5

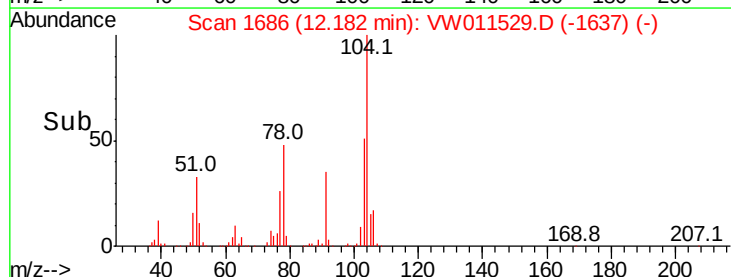
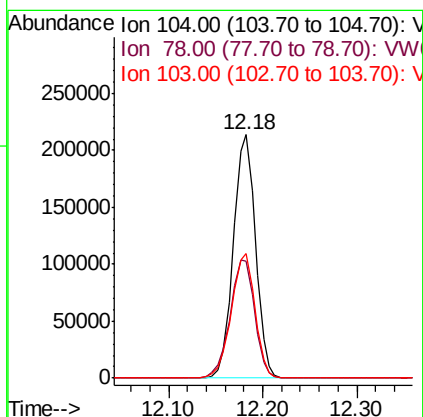
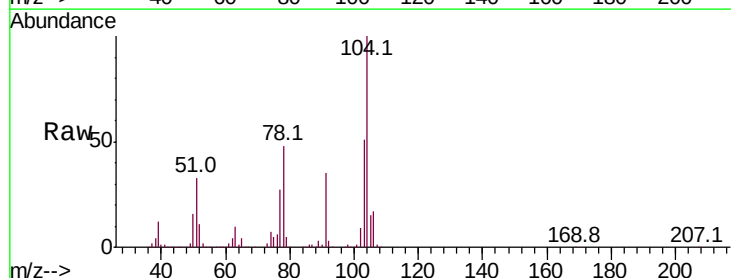
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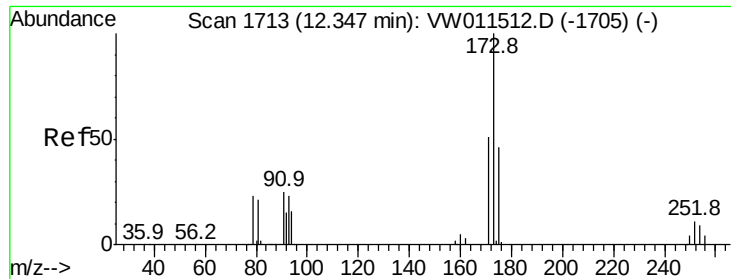
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#70
Styrene
Concen: 47.573 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.4	65.0
103	54.8	43.9	65.9





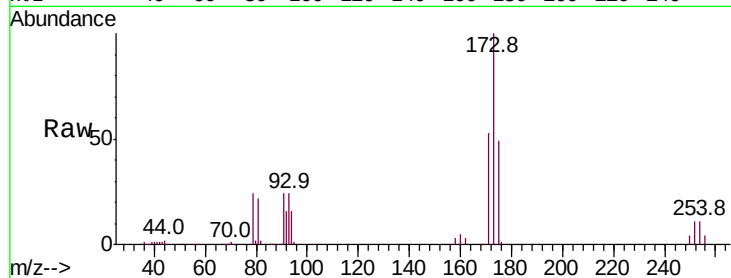
#71
Bromoform
Concen: 47.380 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

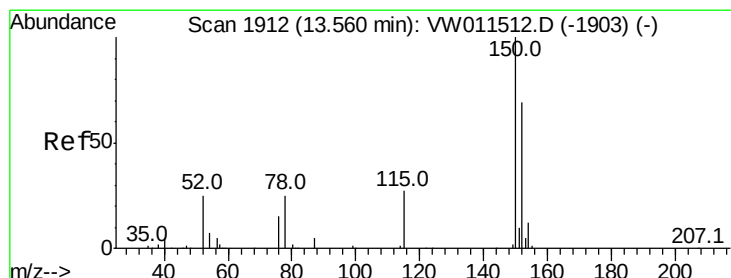
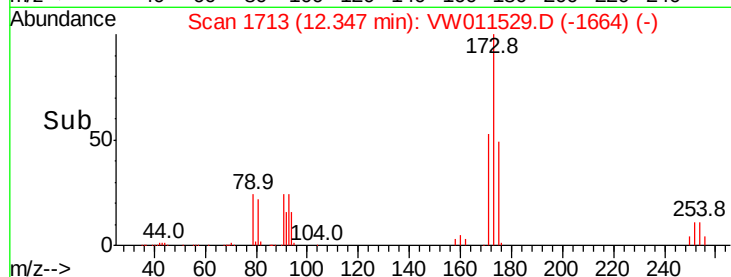
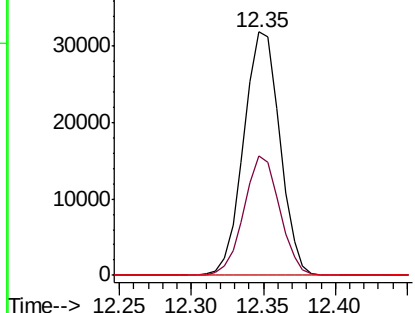
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.6	71.0
254	0.0	0.1	0.1#

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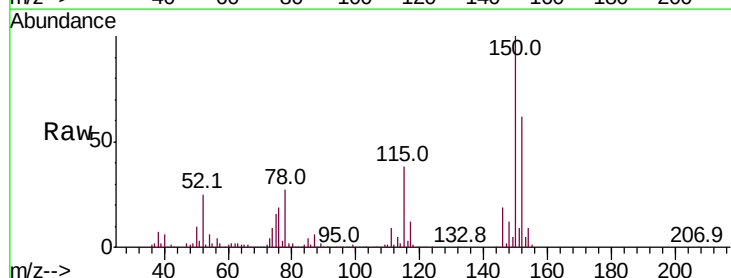


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

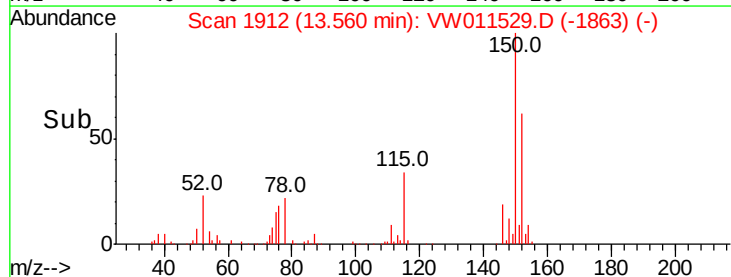
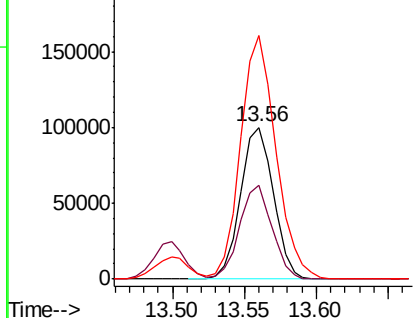


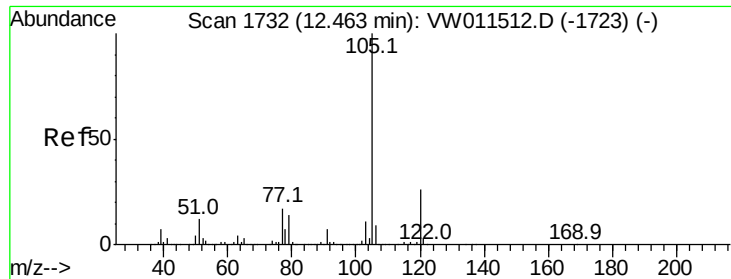
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.5	91.5
150	172.2	0.0	352.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.076 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 545485

Ion Ratio Lower Upper

105 100

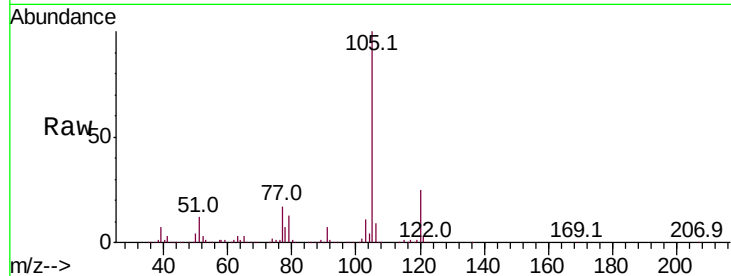
120 25.6 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

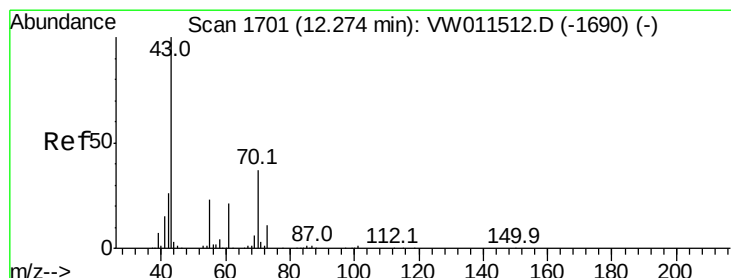
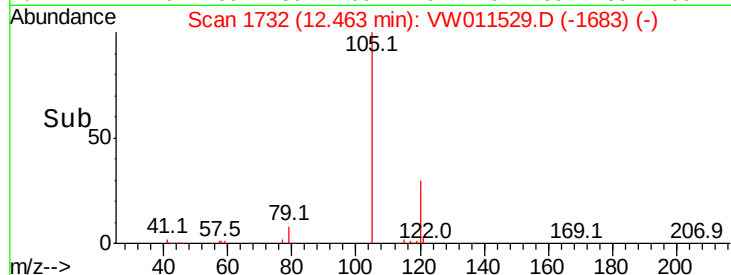
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.489 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion: 43 Resp: 183427

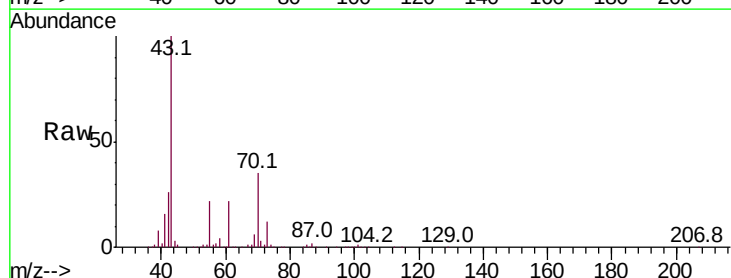
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 21.7 17.8 26.8

61 21.4 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

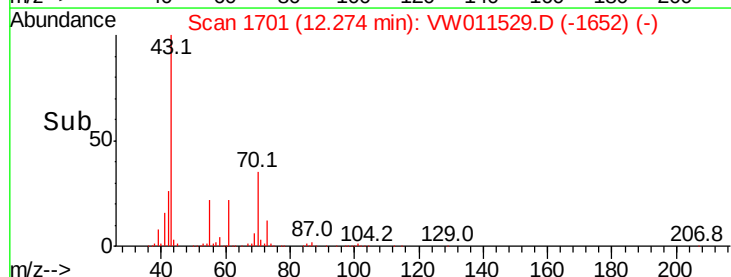
150000

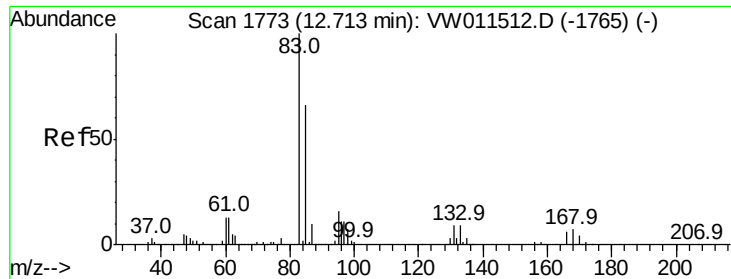
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.930 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

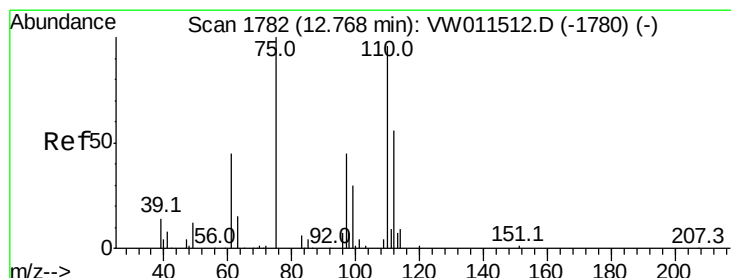
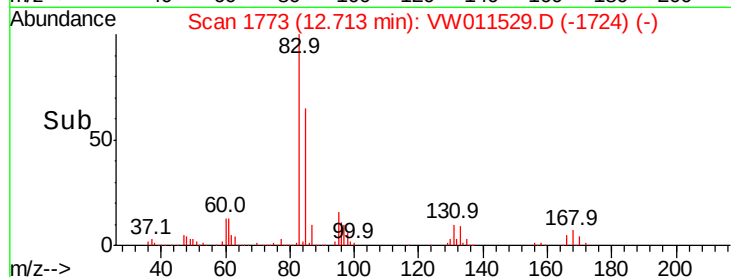
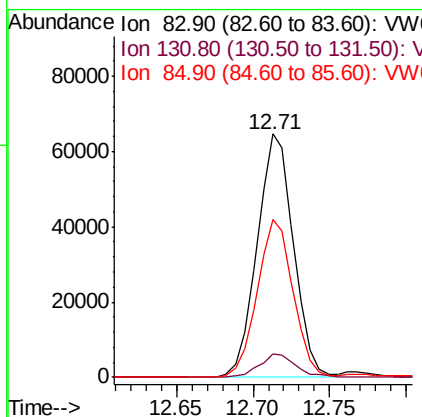
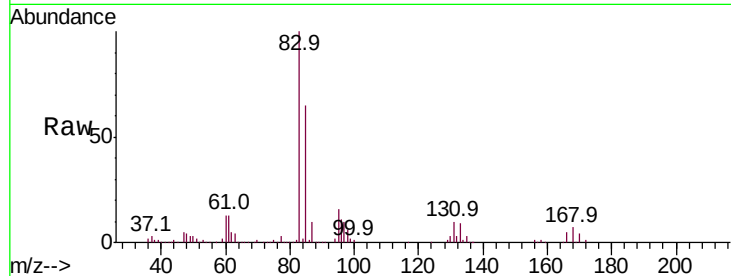
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	106733
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	64.3	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 44.919 ug/l m

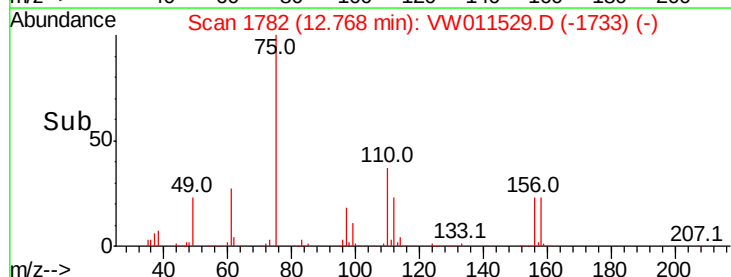
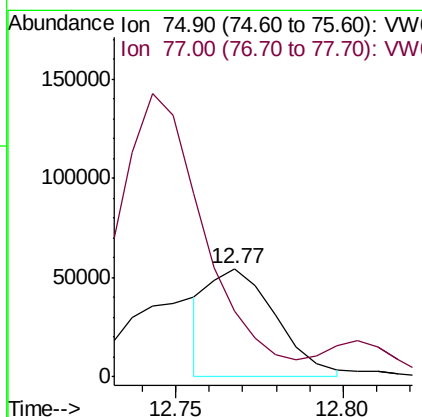
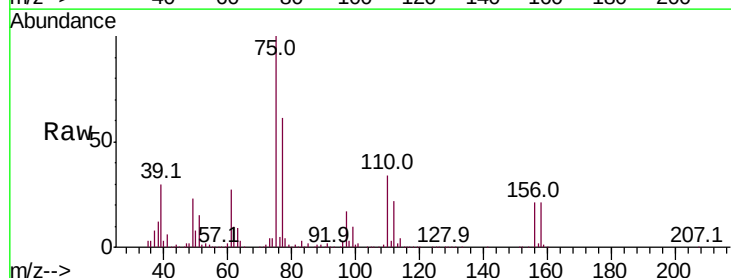
RT: 12.77 min Scan# 1782

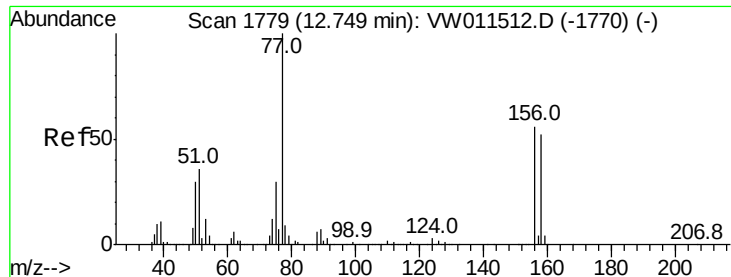
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	75	Resp:	75426
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.956 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

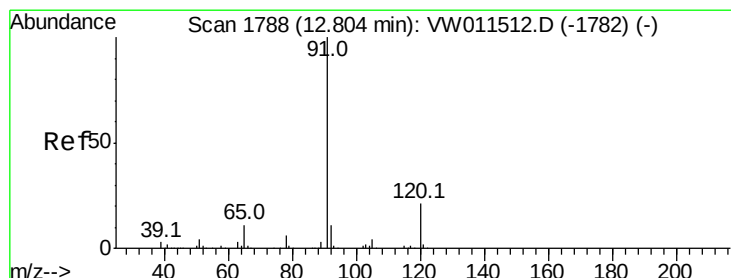
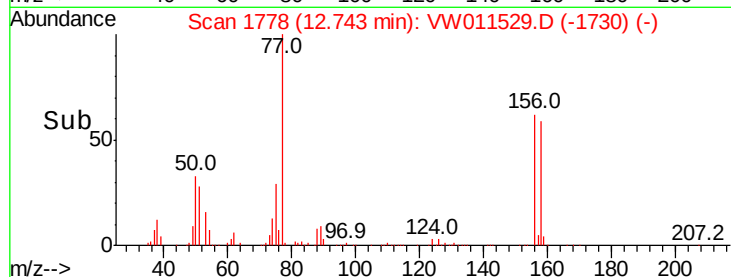
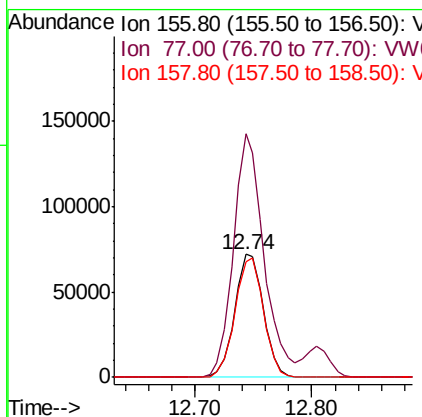
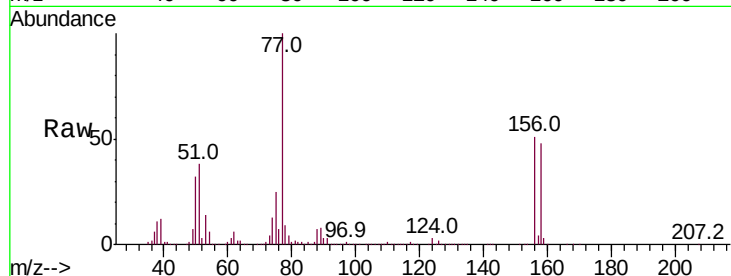
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	122872
Ion Ratio	Lower	Upper	
156	100		
77	211.9	106.5	319.4
158	97.3	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 46.297 ug/l

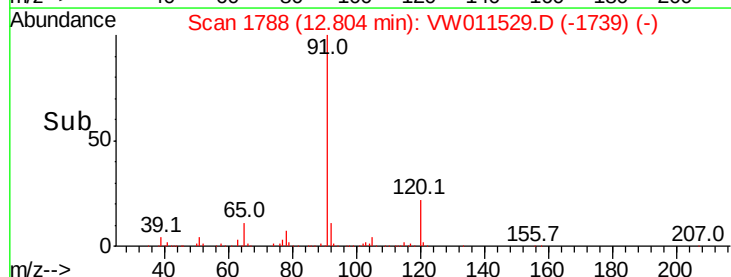
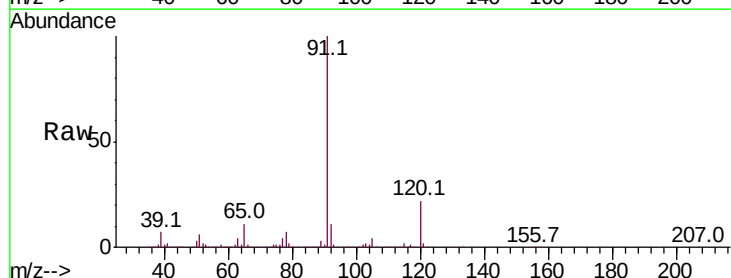
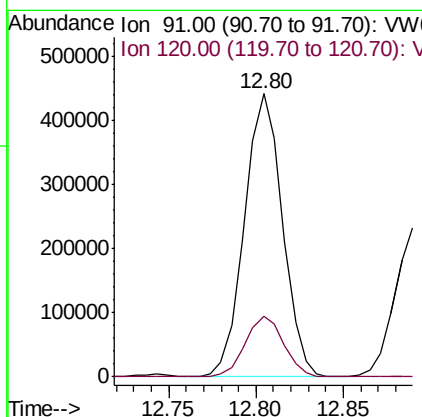
RT: 12.80 min Scan# 1788

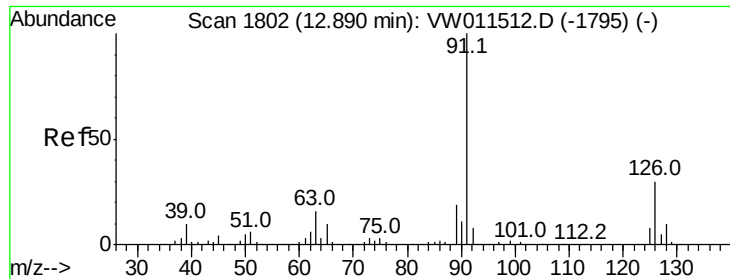
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	91	Resp:	667040
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.7





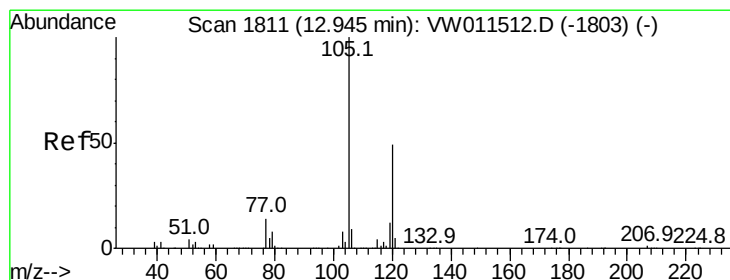
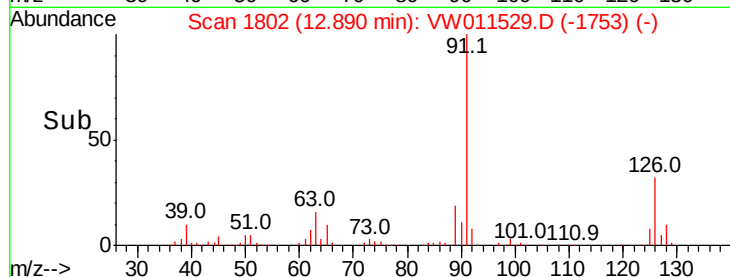
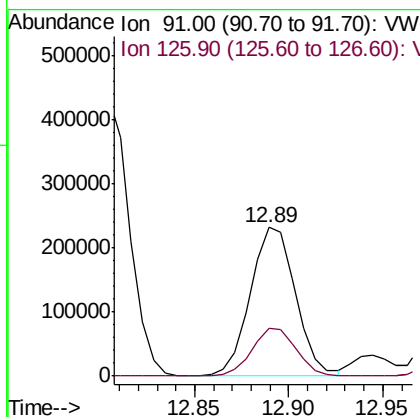
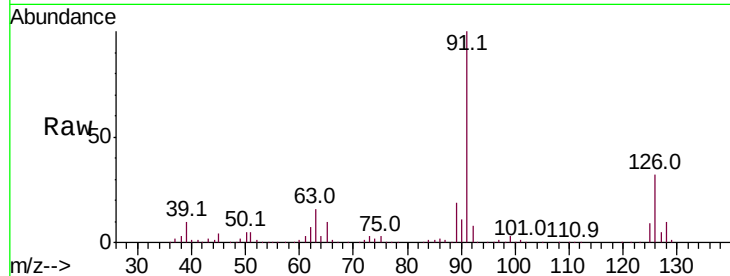
#79
 2-Chlorotoluene
 Concen: 46.583 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 386661
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.7 47.1

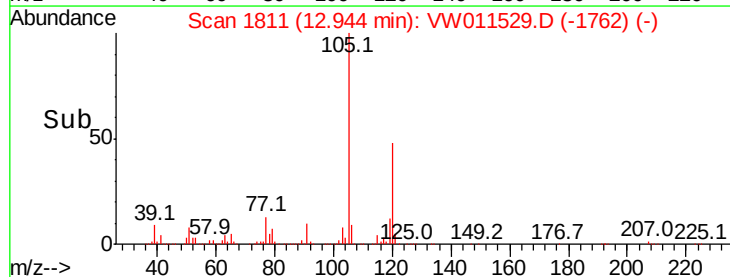
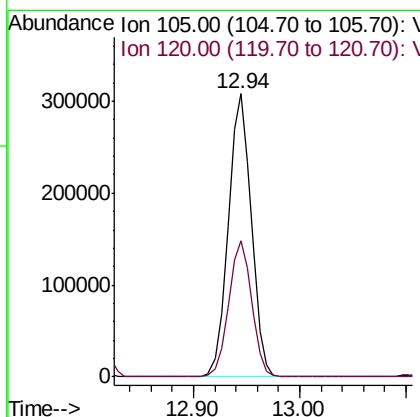
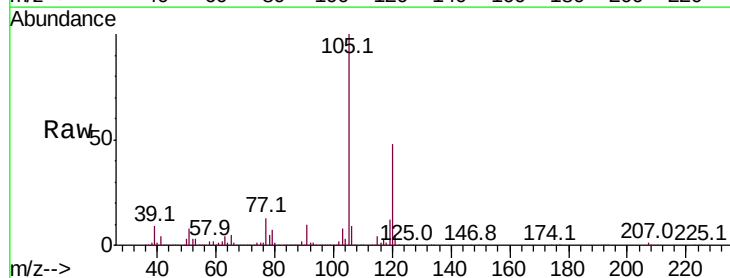
Manual Integrations
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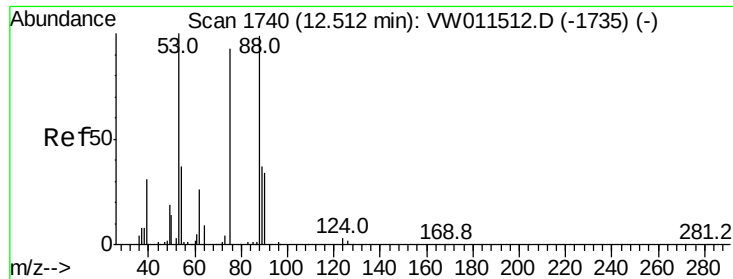
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#80
 1,3,5-Trimethylbenzene
 Concen: 46.874 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion: 105 Resp: 465170
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.3





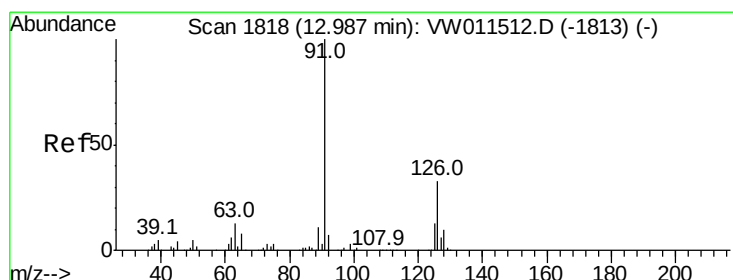
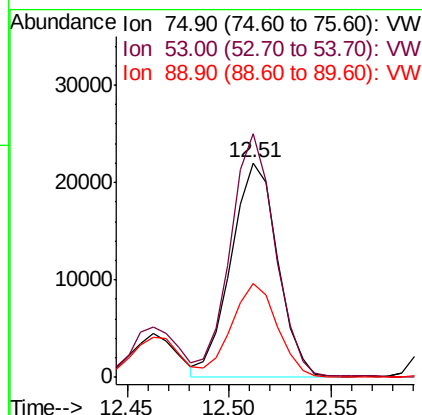
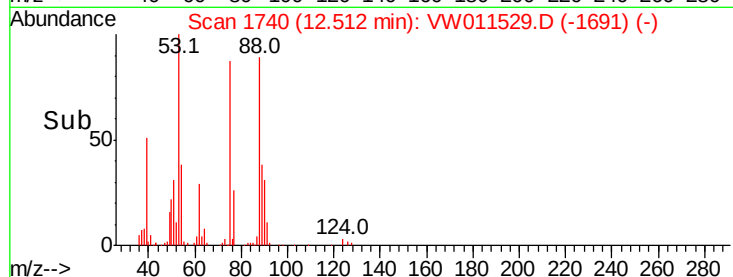
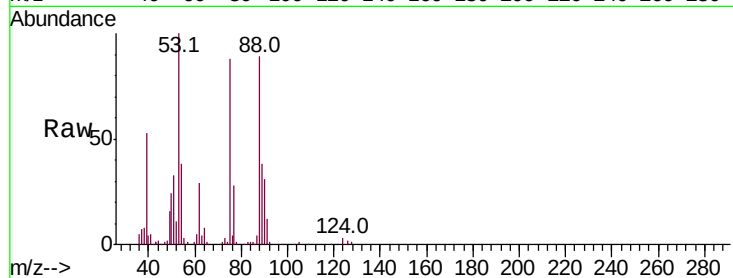
#81
trans-1,4-Dichloro-2-butene
Concen: 47.681 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	88.0	132.0
89	42.8	35.3	52.9

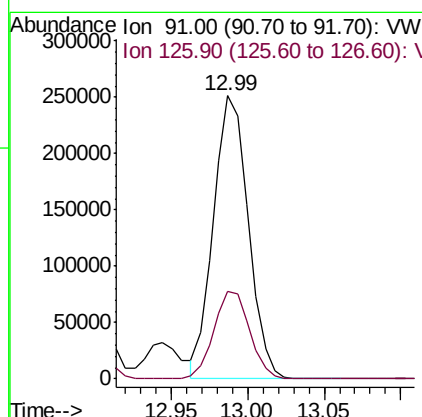
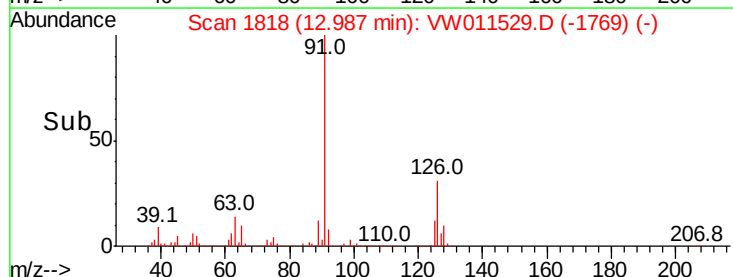
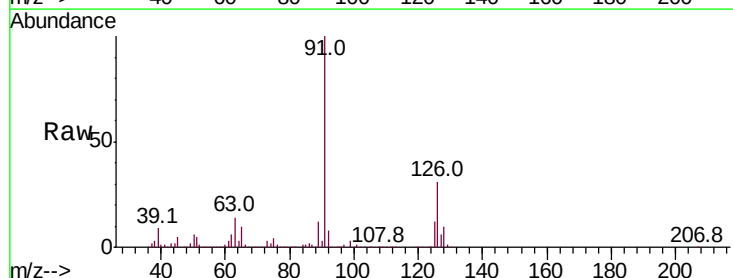
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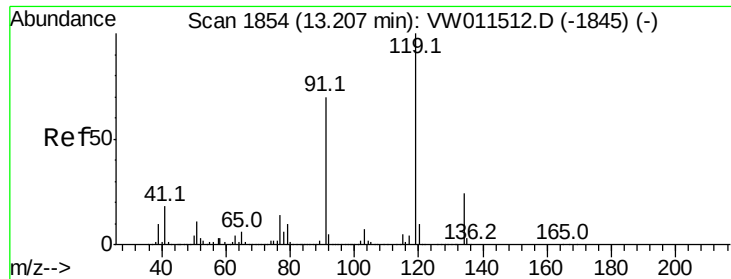
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#82
4-Chlorotoluene
Concen: 45.614 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.6	46.8





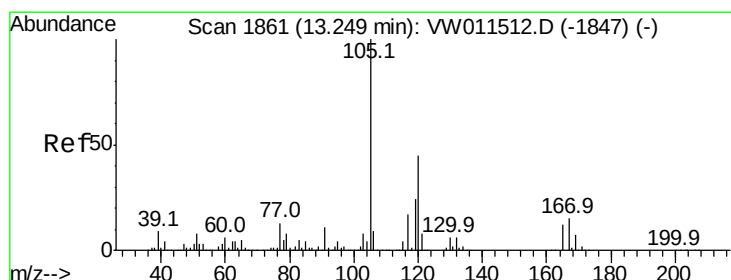
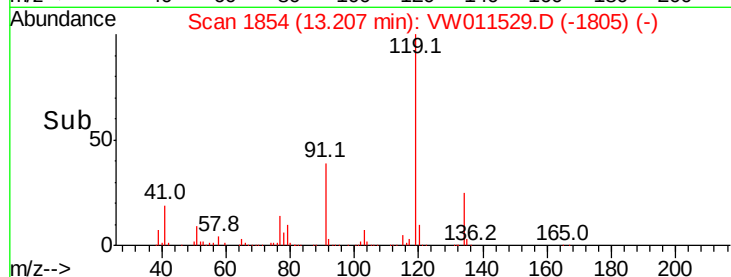
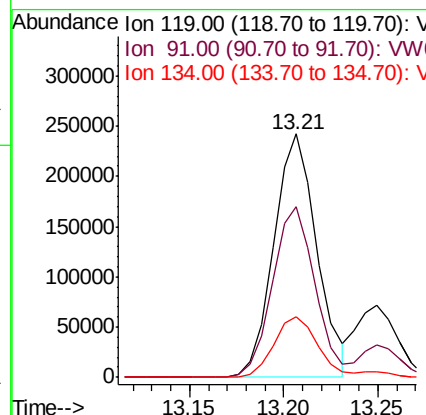
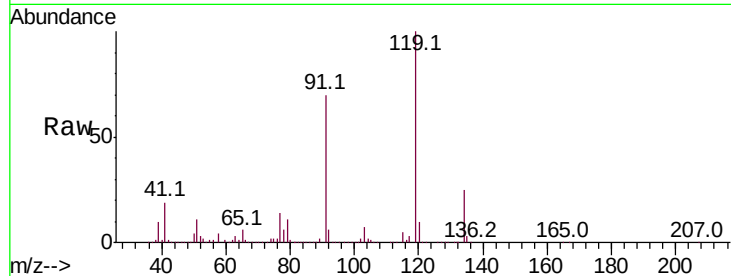
#83
tert-Butylbenzene
Concen: 46.131 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.5	103.6
134	25.3	12.4	37.4

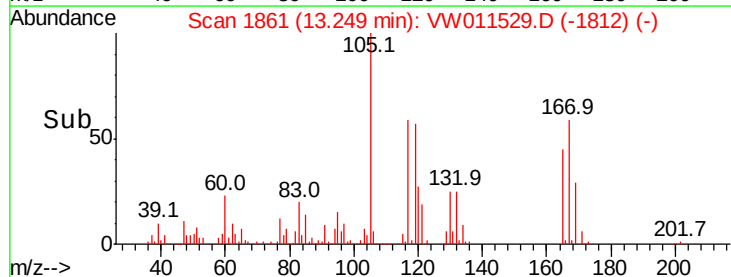
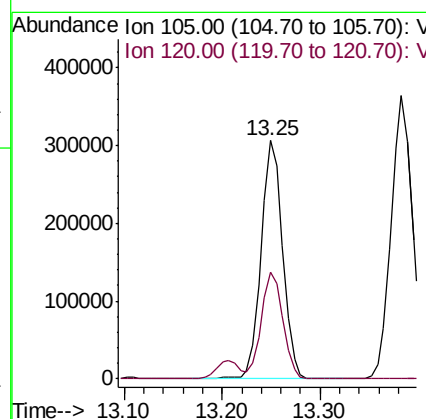
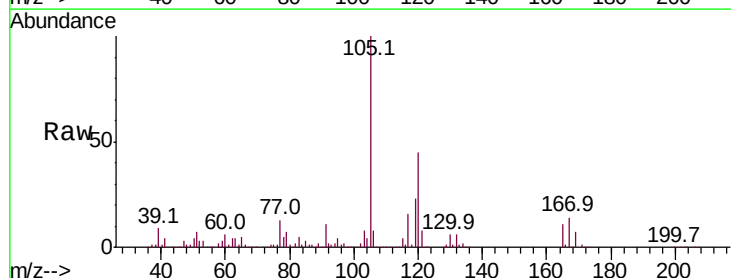
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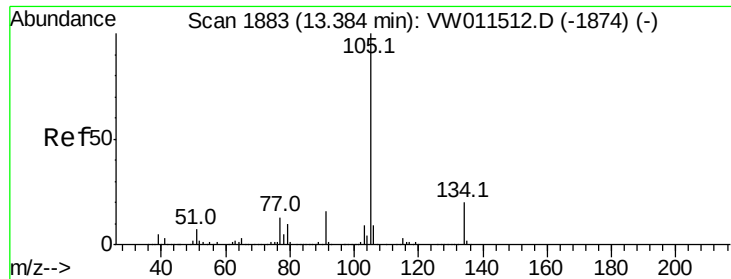
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#84
1,2,4-Trimethylbenzene
Concen: 46.772 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





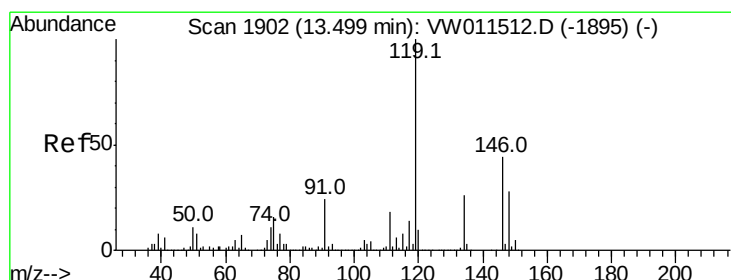
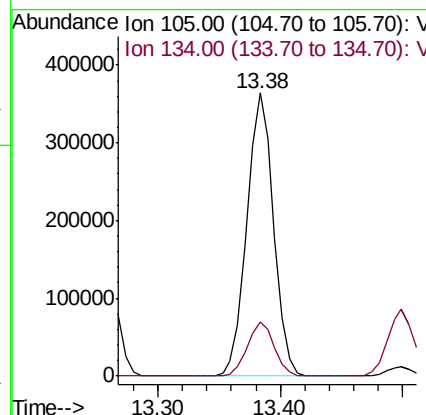
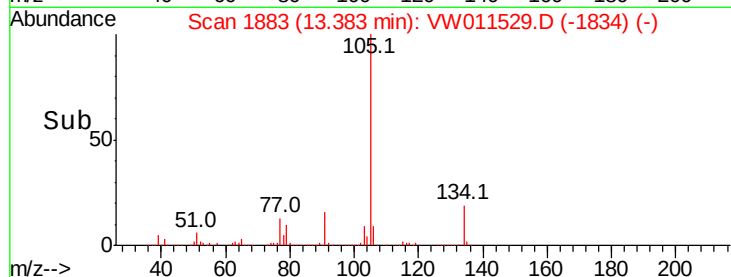
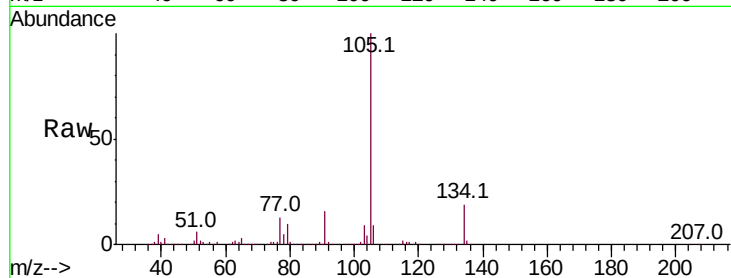
#85
 sec-Butylbenzene
 Concen: 46.453 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

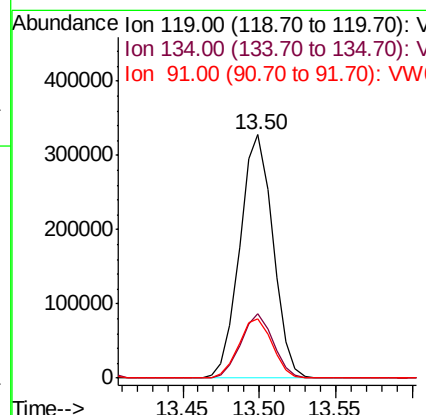
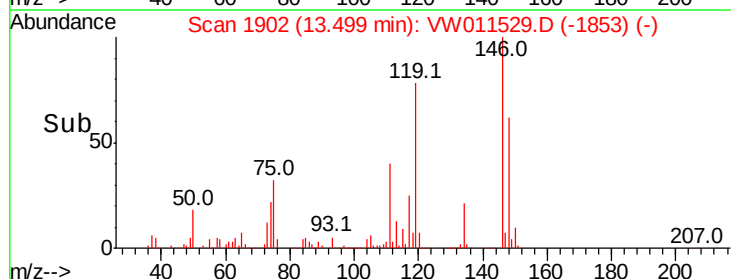
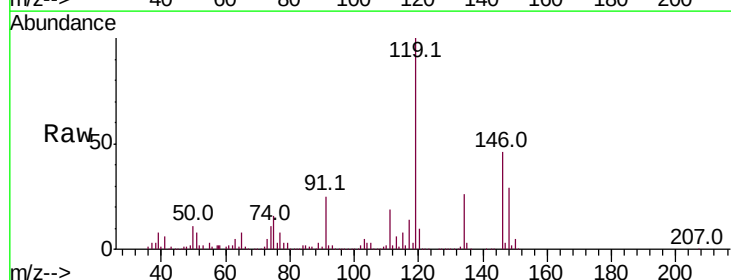
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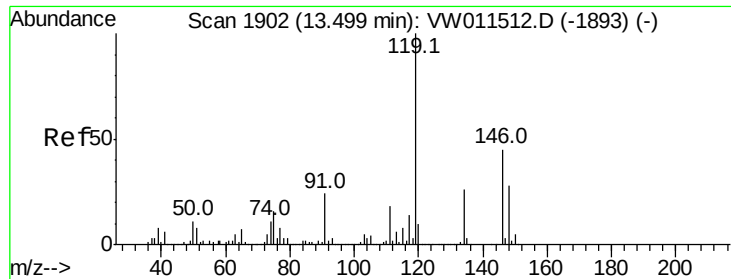
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#86
 p-Isopropyltoluene
 Concen: 45.937 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.5	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 46.454 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

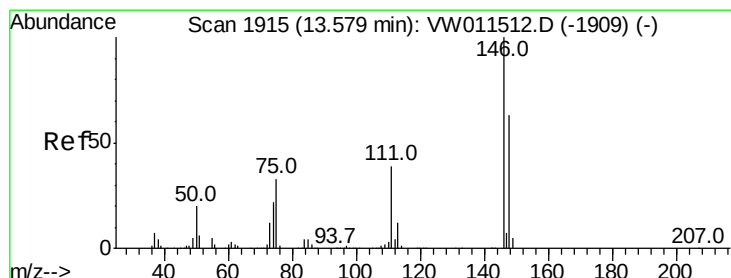
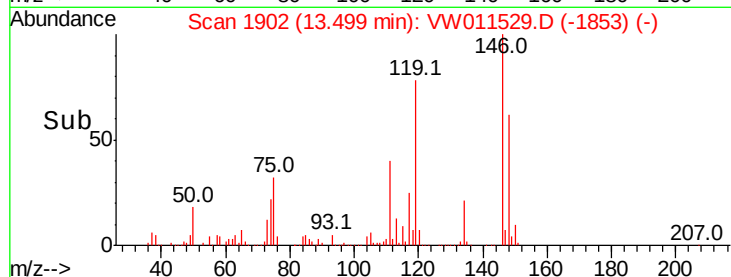
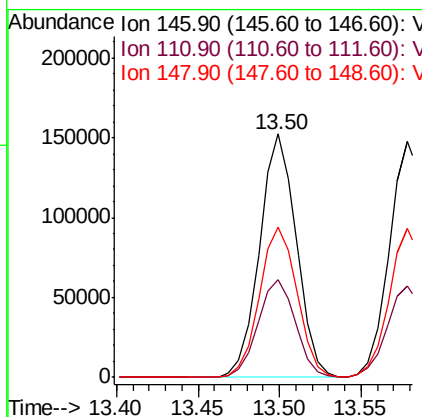
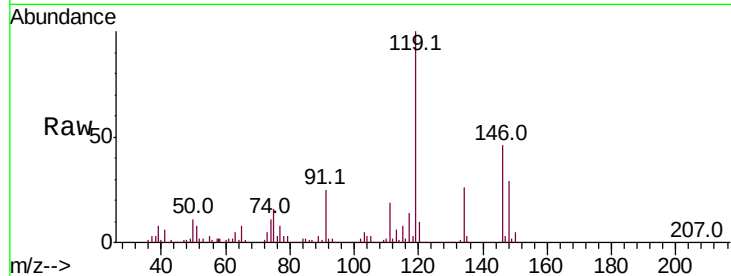
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	238351		
111	41.0	20.5	61.6	
148	63.1	31.8	95.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.342 ug/l

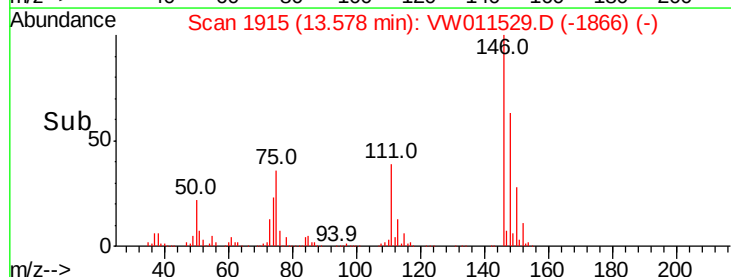
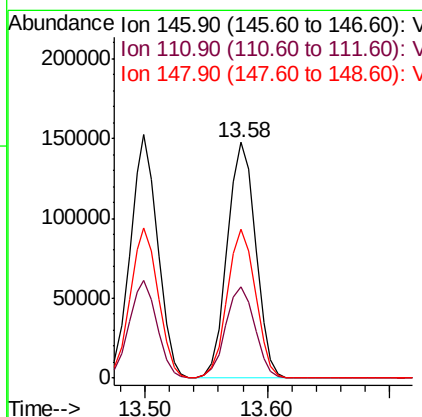
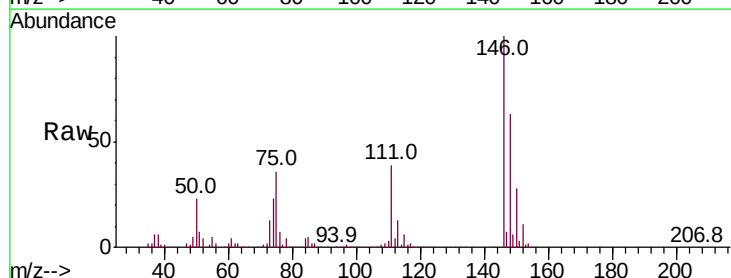
RT: 13.58 min Scan# 1915

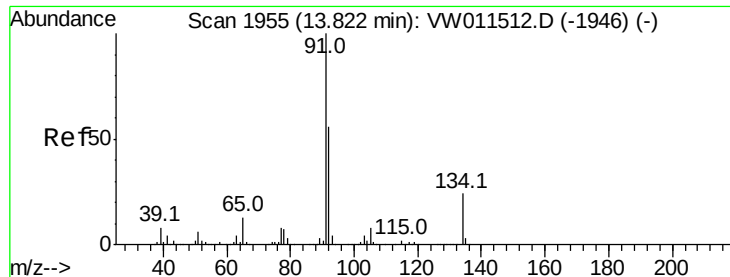
Delta R.T. -0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236527		
111	39.7	20.1	60.2	
148	62.8	31.9	95.9	





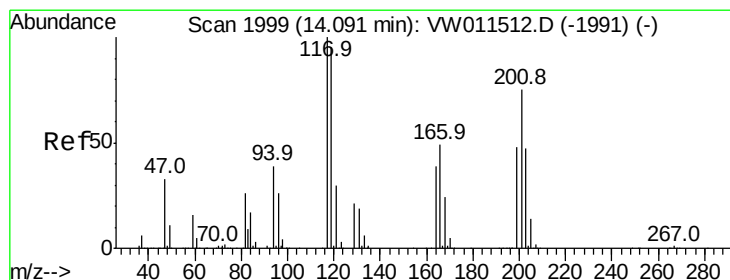
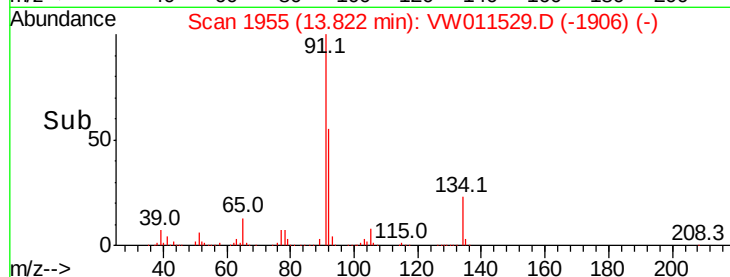
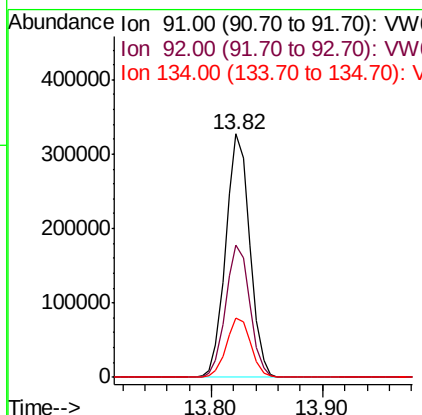
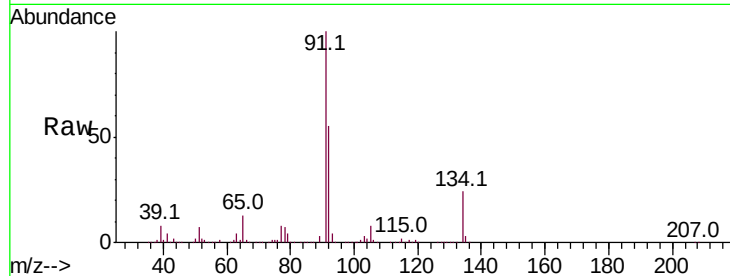
#89
n-Butylbenzene
Concen: 45.574 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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

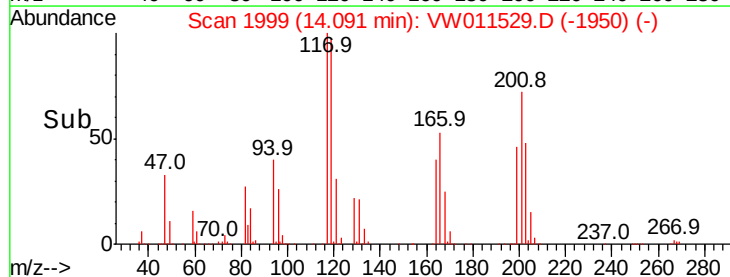
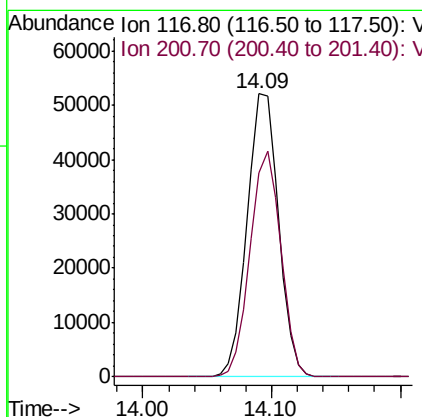
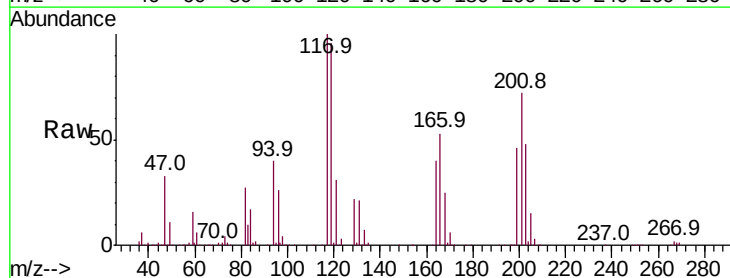
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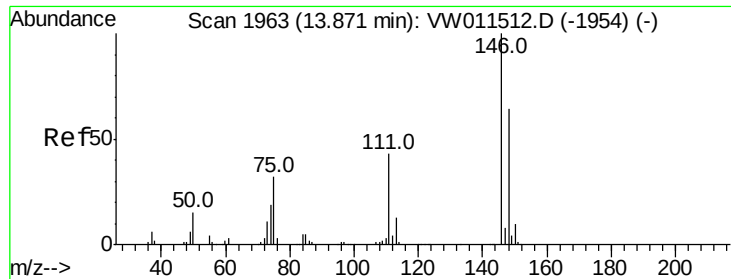
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#90
Hexachloroethane
Concen: 46.113 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011529.D
Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	39.4	118.2





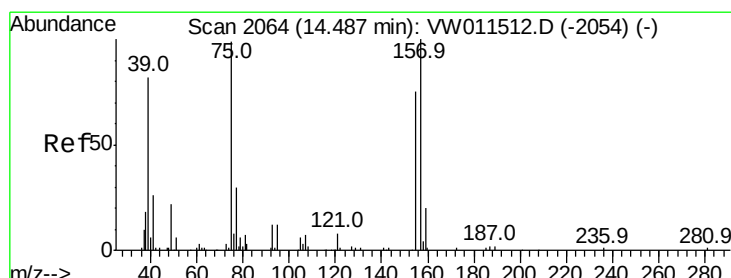
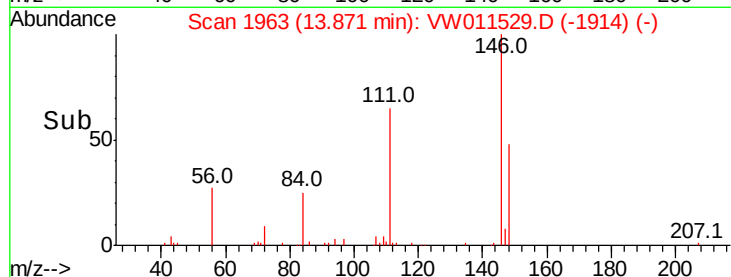
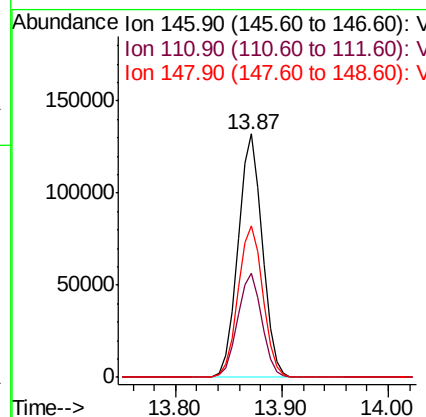
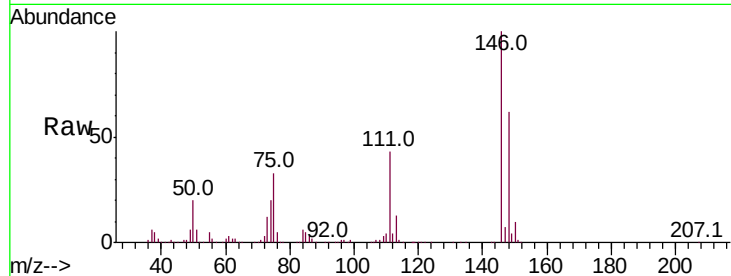
#91
 1,2-Dichlorobenzene
 Concen: 46.573 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	65.0
148	63.7	32.0	96.2

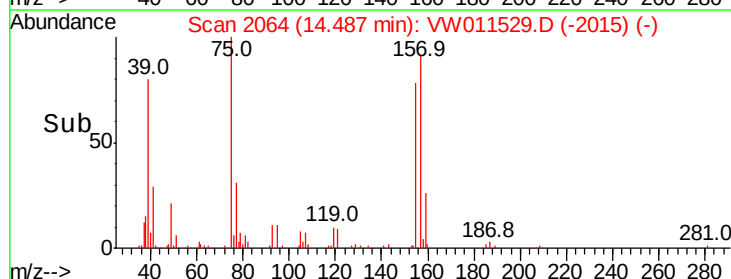
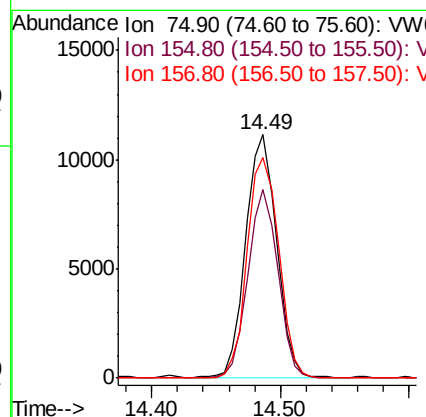
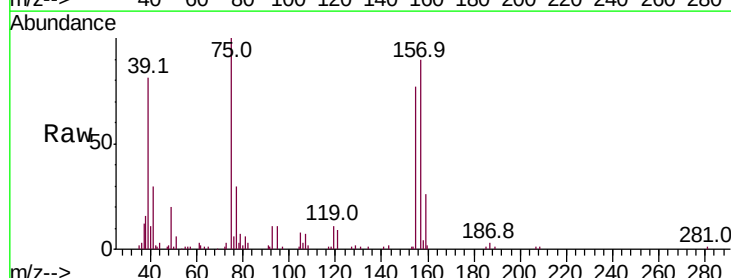
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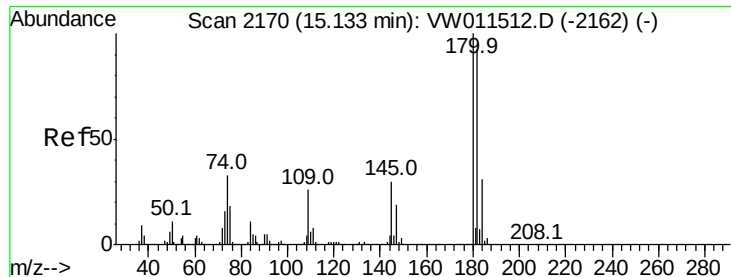
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.855 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	38.2	114.6
157	92.1	48.9	146.7





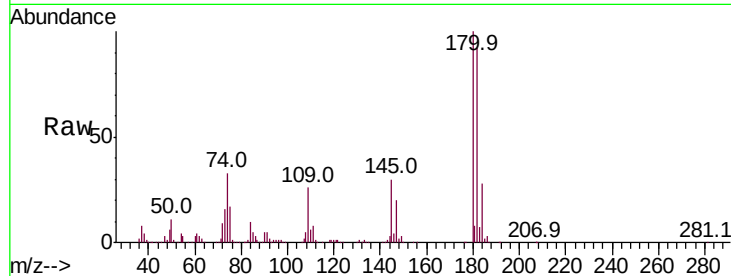
#93
 1,2,4-Trichlorobenzene
 Concen: 47.061 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.4	142.2	
145	29.9	15.4	46.1	

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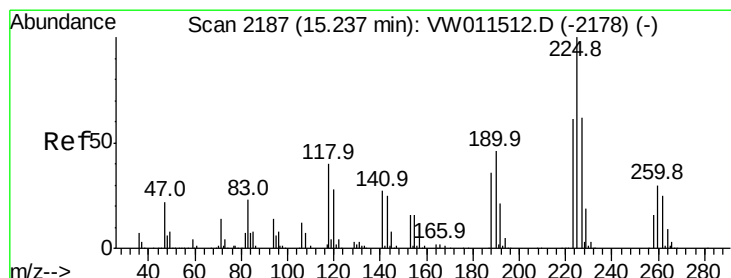
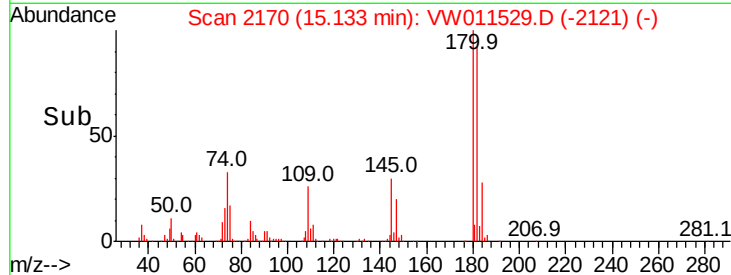
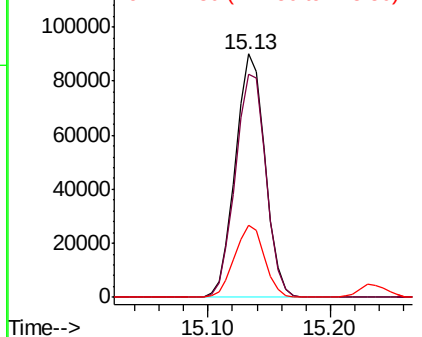


Abundance

Ion 179.80 (179.50 to 180.50): V

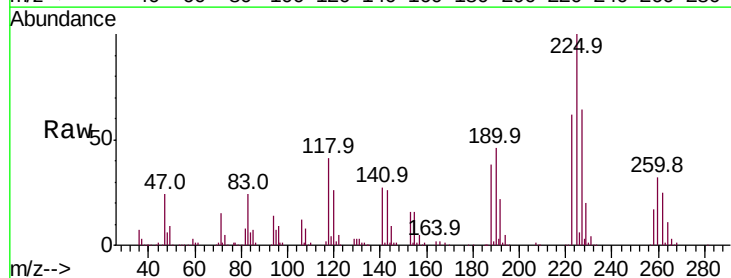
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 44.907 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011529.D
 Acq: 26 Jul 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	30.8	92.3	
227	63.5	31.6	94.7	

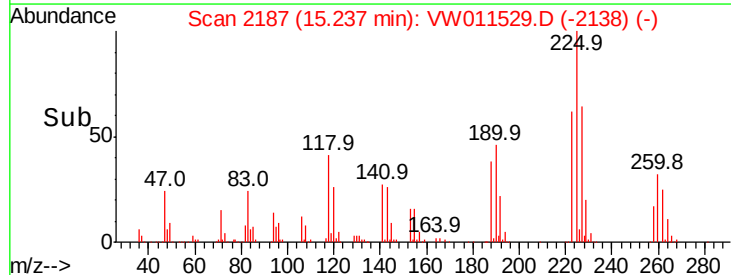
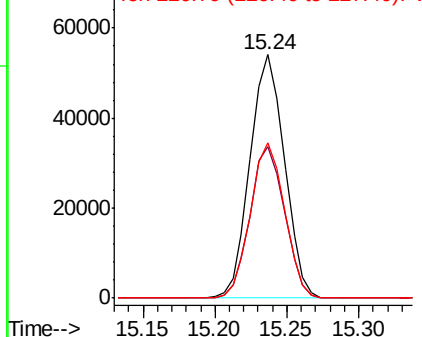


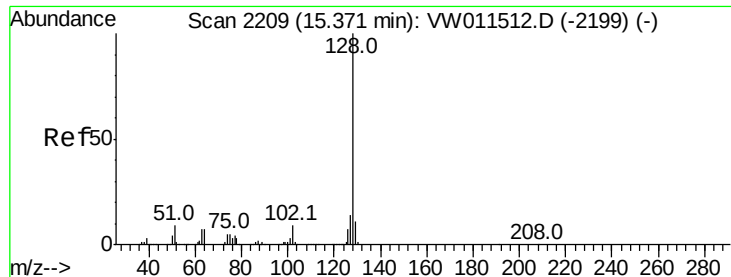
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 45.252 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Instrument :

MSVOA_W

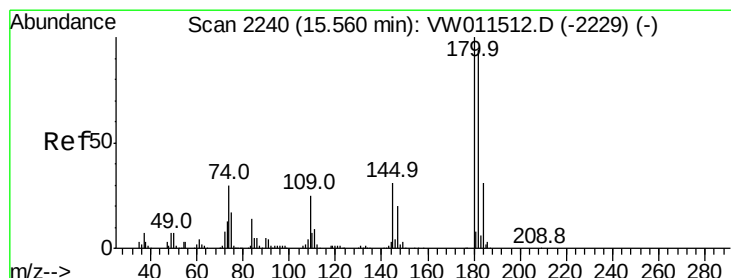
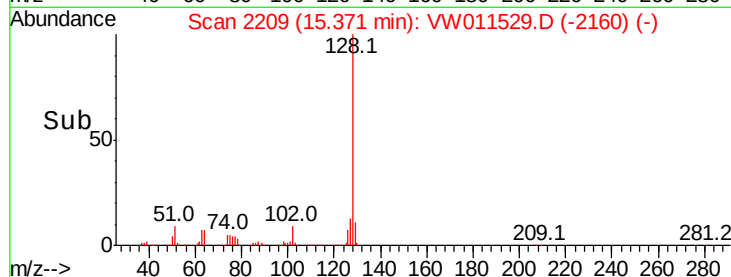
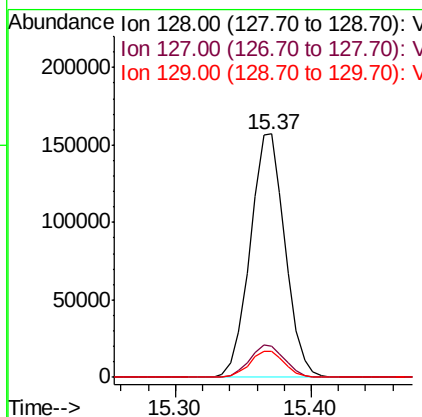
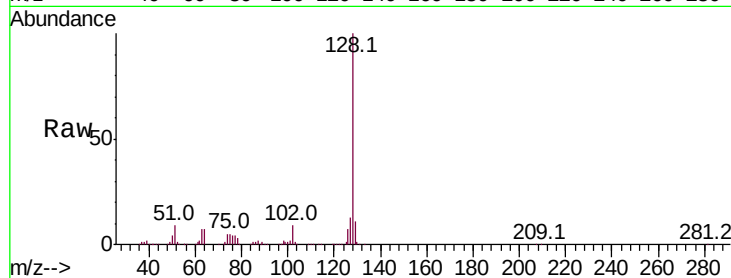
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	282215
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:19:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.904 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011529.D

Acq: 26 Jul 2019 20:58

Tgt Ion:	180	Resp:	131492
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.4	142.2
145	31.6	15.9	47.7

