

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060519\
 Data File : VW010699.D
 Acq On : 05 Jun 2019 18:22
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 11:51:55 AM

Quant Time: Jun 06 08:06:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	254295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	418470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	182499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	164061	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
35) Dibromofluoromethane	7.88	113	125031	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
50) Toluene-d8	10.32	98	520448	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.62	95	193643	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	113579	48.333	ug/l	99
3) Chloromethane	2.21	50	174121	50.362	ug/l	98
4) Vinyl Chloride	2.36	62	159076	49.800	ug/l	98
5) Bromomethane	2.75	94	91447	52.132	ug/l	96
6) Chloroethane	2.90	64	98030	51.127	ug/l	99
7) Trichlorofluoromethane	3.25	101	213024	51.374	ug/l	98
8) Diethyl Ether	3.68	74	79509	53.656	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	130944	51.364	ug/l	99
10) Methyl Iodide	4.27	142	110616	42.877	ug/l	99
11) Tert butyl alcohol	5.17	59	72747	297.920	ug/l	100
12) 1,1-Dichloroethene	4.04	96	124446	50.604	ug/l	98
13) Acrolein	3.90	56	23571	236.227	ug/l	96
14) Allyl chloride	4.67	41	285455	52.644	ug/l	99
15) Acrylonitrile	5.37	53	204914	284.642	ug/l	99
16) Acetone	4.12	43	237324	295.502	ug/l	99
17) Carbon Disulfide	4.38	76	396720	50.819	ug/l	98
18) Methyl Acetate	4.67	43	96890	56.045	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	386464	54.488	ug/l	99
20) Methylene Chloride	4.92	84	142863	50.707	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	142695	51.114	ug/l	96
22) Diisopropyl ether	6.31	45	581658	53.581	ug/l	98
23) Vinyl Acetate	6.26	43	1823102	278.276	ug/l	100
24) 1,1-Dichloroethane	6.21	63	284426	52.281	ug/l	100
25) 2-Butanone	7.17	43	322556	289.642	ug/l	98
26) 2,2-Dichloropropane	7.17	77	228864	51.698	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	160026	52.087	ug/l	100
28) Bromochloromethane	7.51	49	125098	51.526	ug/l	98
29) Tetrahydrofuran	7.53	42	201783	288.068	ug/l	99
30) Chloroform	7.68	83	261462	52.544	ug/l	99
31) Cyclohexane	7.95	56	294735	48.736	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	226163	52.030	ug/l	100
36) 1,1-Dichloropropene	8.08	75	219706	51.291	ug/l	100
37) Ethyl Acetate	7.25	43	136430	57.476	ug/l	99
38) Carbon Tetrachloride	8.07	117	193306	52.276	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	279151	51.264	ug/l	98
40) Benzene	8.32	78	598212	51.192	ug/l	100
41) Methacrylonitrile	7.48	41	79791	56.553	ug/l	97
42) 1,2-Dichloroethane	8.40	62	198599	53.548	ug/l	100
43) Isopropyl Acetate	8.43	43	259626	56.615	ug/l	98
44) Trichloroethene	9.09	130	147370	51.124	ug/l	99
45) 1,2-Dichloropropane	9.37	63	162624	52.572	ug/l	99
46) Dibromomethane	9.46	93	76398	53.173	ug/l	99
47) Bromodichloromethane	9.65	83	200753	53.902	ug/l	96
48) Methyl methacrylate	9.44	41	134417	60.794	ug/l	95
49) 1,4-Dioxane	9.45	88	25721	1145.016	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	677354	289.128	ug/l	100
52) Toluene	10.39	92	371398	51.655	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	212642	53.904	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	247399	53.296	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	111776	54.003	ug/l	98
56) Ethyl methacrylate	10.65	69	179851	56.469	ug/l	98
57) 1,3-Dichloropropane	10.93	76	208301	53.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	448774	269.018	ug/l	100
59) 2-Hexanone	10.97	43	498461	294.397	ug/l	99
60) Dibromochloromethane	11.13	129	125901	54.871	ug/l	100
61) 1,2-Dibromoethane	11.24	107	105279	53.684	ug/l	98
64) Tetrachloroethene	10.86	164	125248	50.437	ug/l	98
65) Chlorobenzene	11.66	112	375141	51.006	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	132703	52.122	ug/l	98
67) Ethyl Benzene	11.73	91	722871	51.140	ug/l	100
68) m/p-Xylenes	11.84	106	523837	103.526	ug/l	100
69) o-Xylene	12.17	106	249710	52.034	ug/l	98
70) Styrene	12.18	104	442005	53.021	ug/l	99
71) Bromoform	12.35	173	73224	55.610	ug/l	100
73) Isopropylbenzene	12.47	105	693075	50.537	ug/l	99
74) N-amyl acetate	12.27	43	250829	56.592	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	140340	53.754	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	102300m	53.379	ug/l	
77) Bromobenzene	12.75	156	152866	51.065	ug/l	98
78) n-propylbenzene	12.80	91	840345	50.817	ug/l	100
79) 2-Chlorotoluene	12.90	91	481478	50.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	579540	51.628	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46095	55.279	ug/l	100
82) 4-Chlorotoluene	12.99	91	499910	51.275	ug/l	99
83) tert-Butylbenzene	13.21	119	486014	51.016	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	582911	51.604	ug/l	100
85) sec-Butylbenzene	13.38	105	708053	51.048	ug/l	100
86) p-Isopropyltoluene	13.50	119	641271	51.700	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	295433	51.175	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	290728	50.798	ug/l	100
89) n-Butylbenzene	13.83	91	645318	52.144	ug/l	100
90) Hexachloroethane	14.10	117	115099	51.816	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	268304	51.680	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	26001	57.995	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	195113	53.555	ug/l	99
94) Hexachlorobutadiene	15.24	225	119819	52.403	ug/l	100
95) Naphthalene	15.37	128	375341	56.704	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	168651	54.432	ug/l	98

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

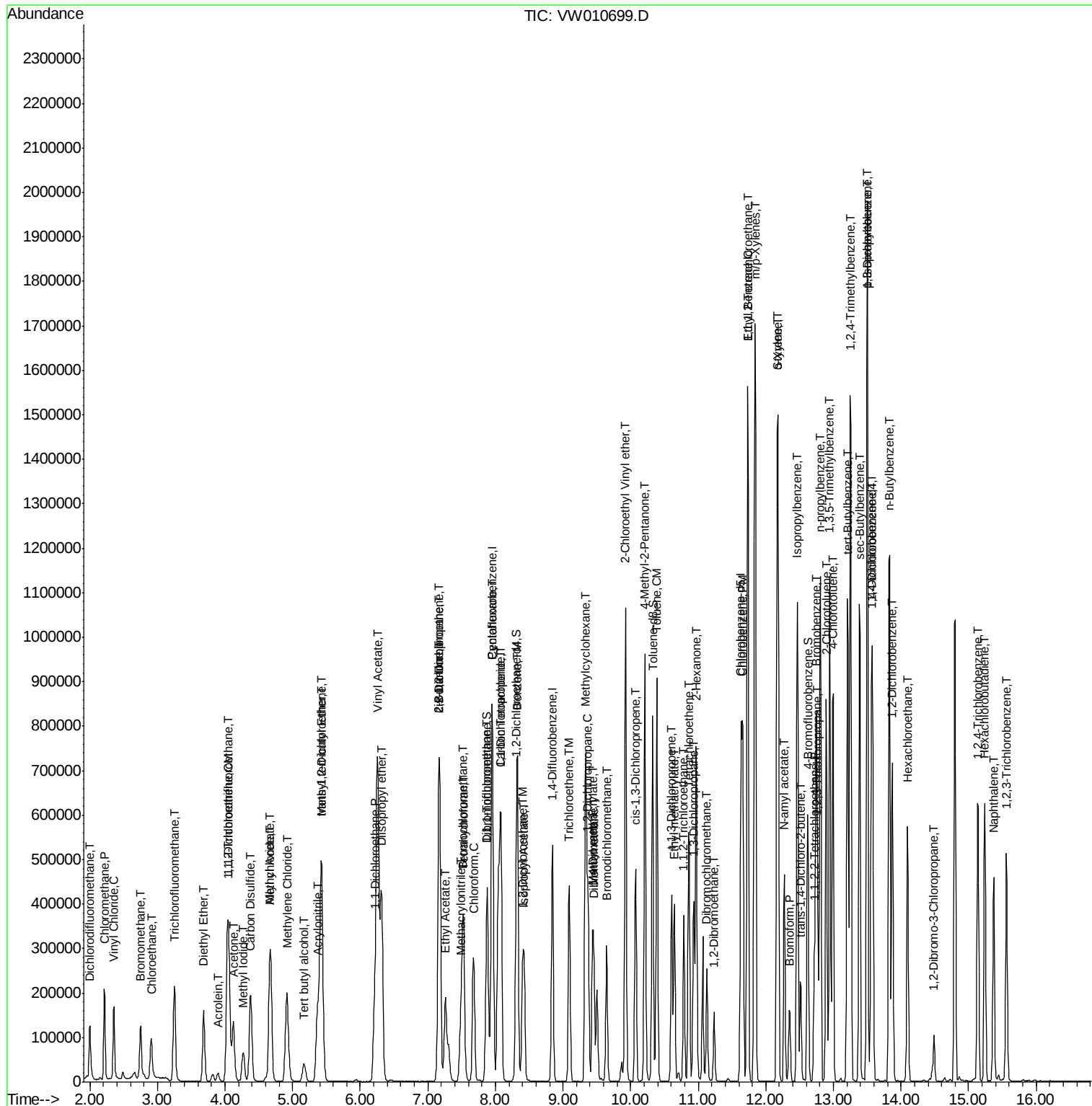
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060519\
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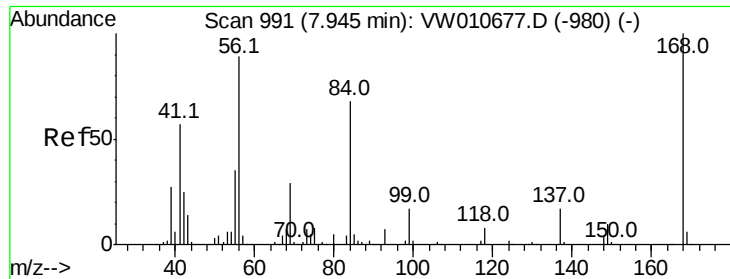
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 254295

Ion Ratio Lower Upper

168 100

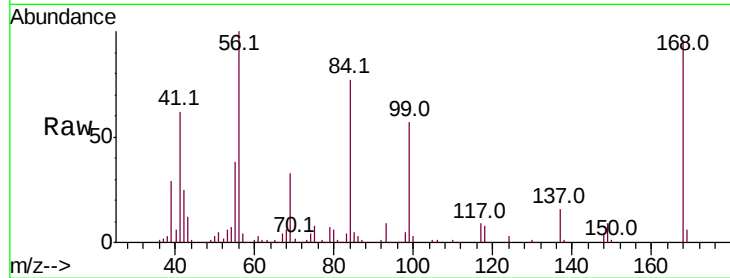
99 58.8 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

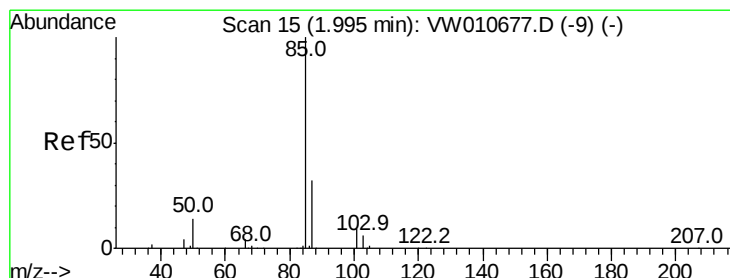
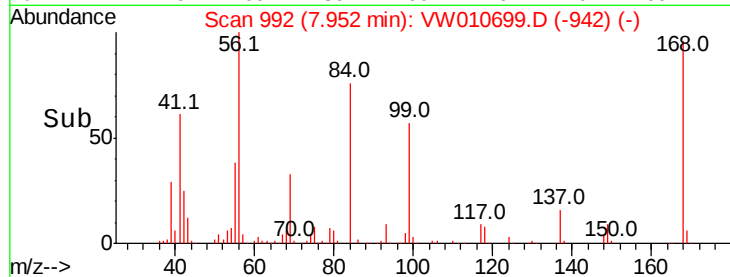
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 48.333 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010699.D

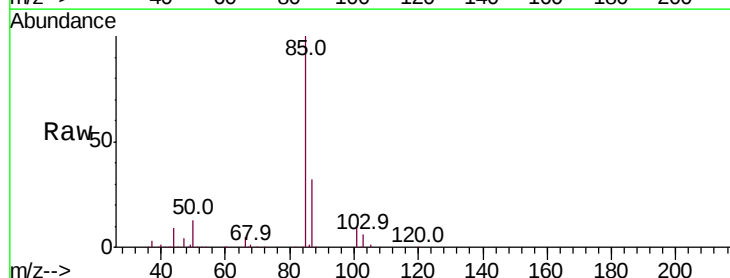
Acq: 05 Jun 2019 18:22

Tgt Ion: 85 Resp: 113579

Ion Ratio Lower Upper

85 100

87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

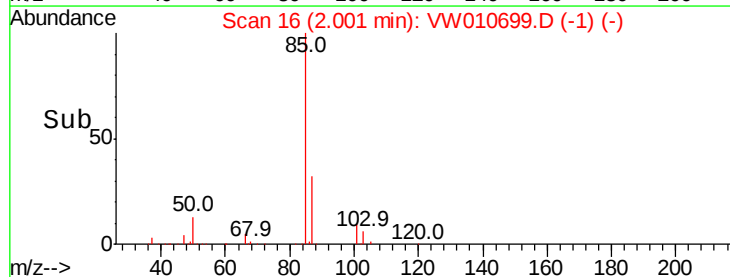
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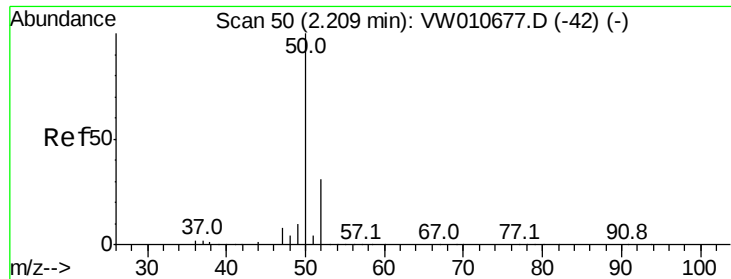
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 50.362 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 174121

Ion Ratio Lower Upper

50 100

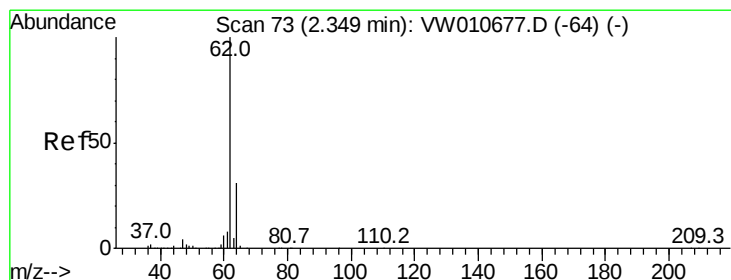
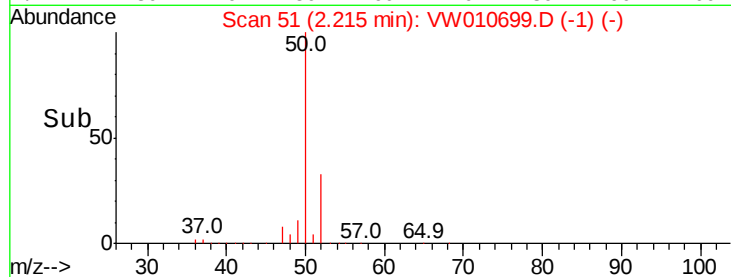
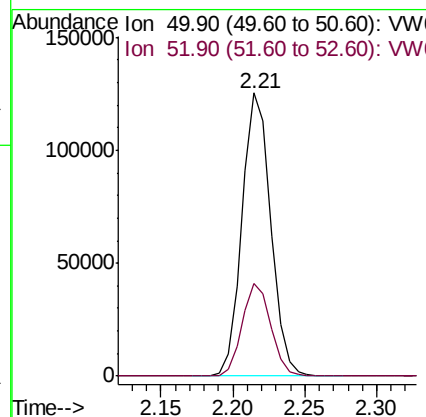
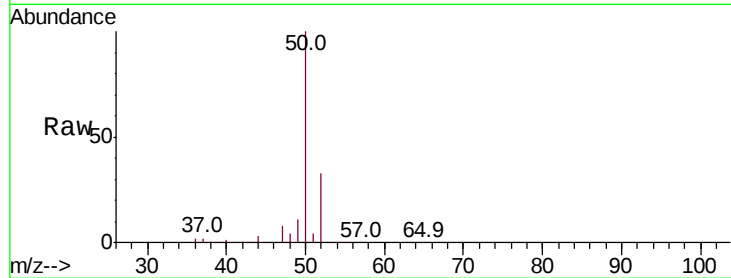
52 32.7 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.800 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010699.D

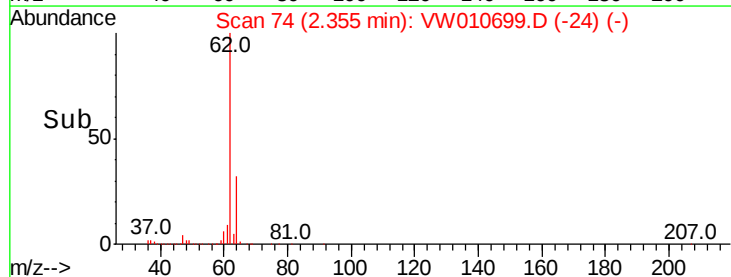
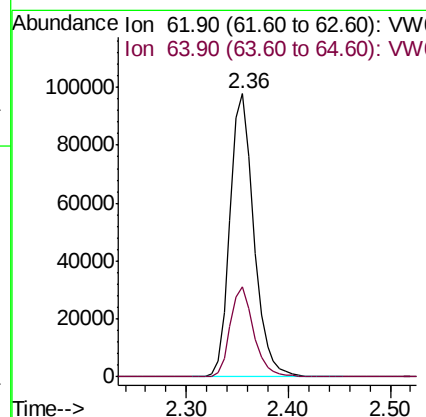
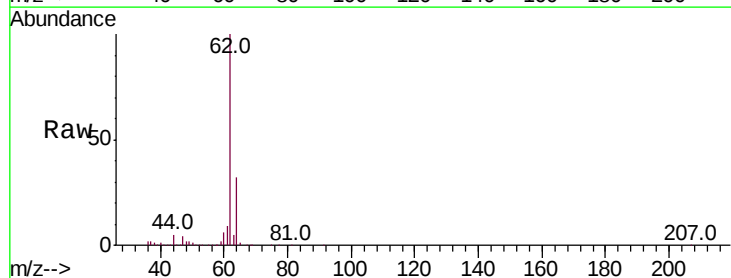
Acq: 05 Jun 2019 18:22

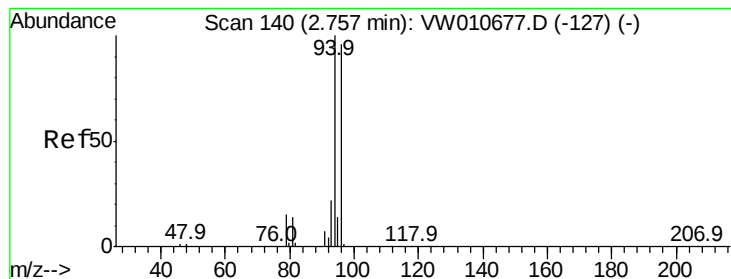
Tgt Ion: 62 Resp: 159076

Ion Ratio Lower Upper

62 100

64 31.6 24.5 36.7





#5

Bromomethane

Concen: 52.132 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91447

Ion Ratio Lower Upper

94 100

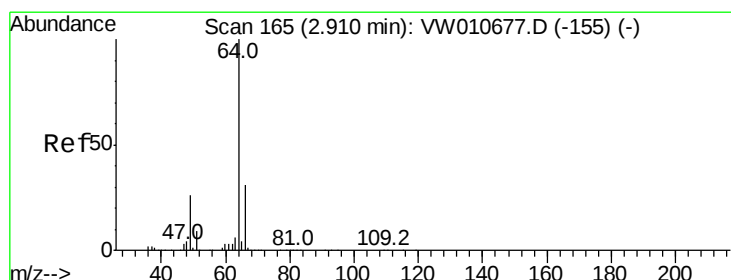
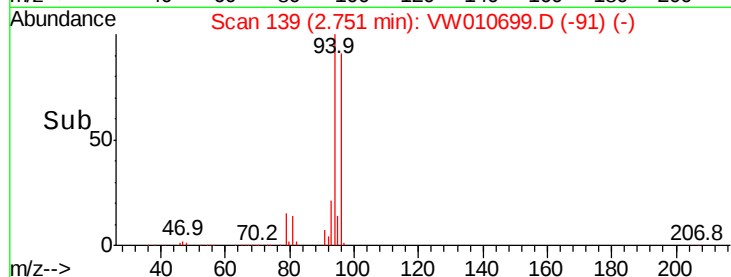
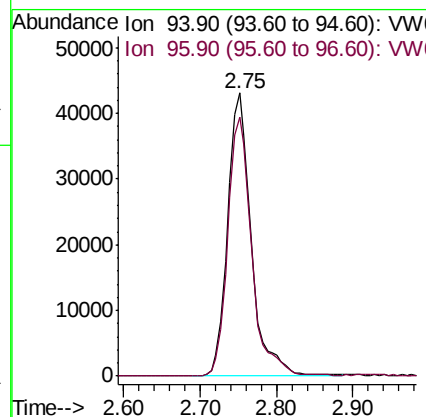
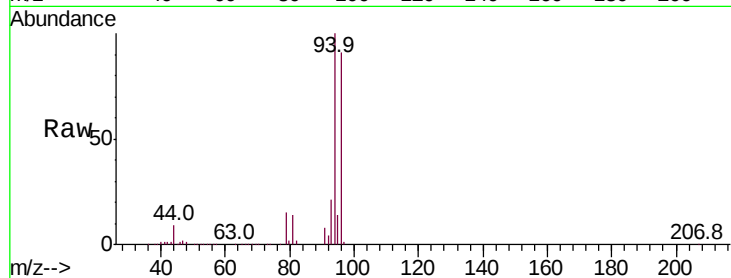
96 91.4 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 51.127 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010699.D

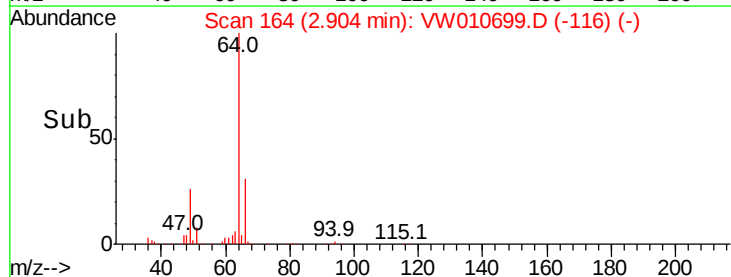
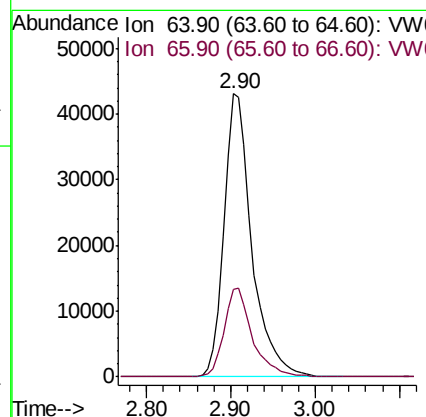
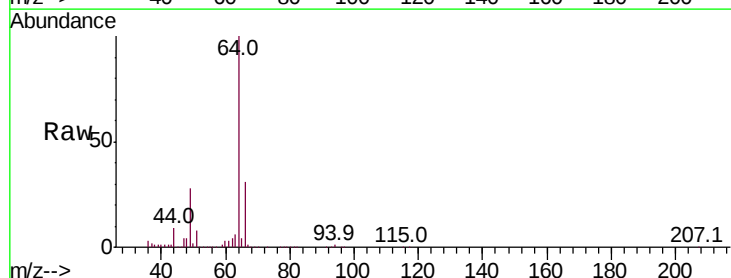
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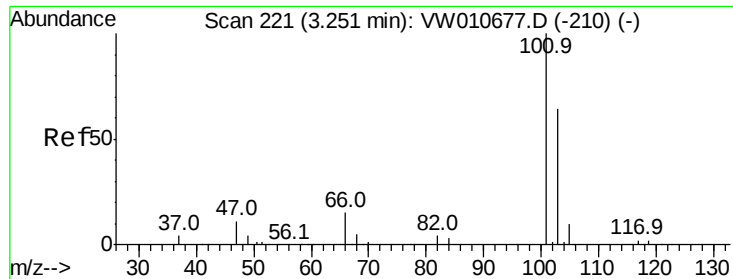
Tgt Ion: 64 Resp: 98030

Ion Ratio Lower Upper

64 100

66 30.9 25.1 37.7





#7

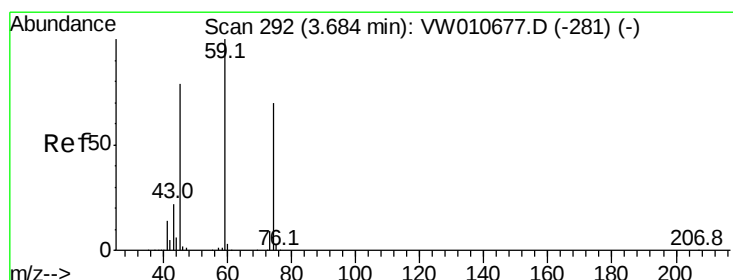
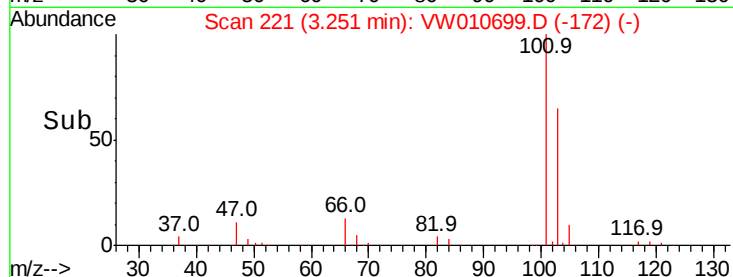
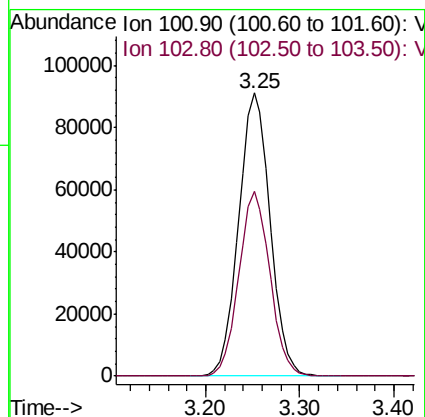
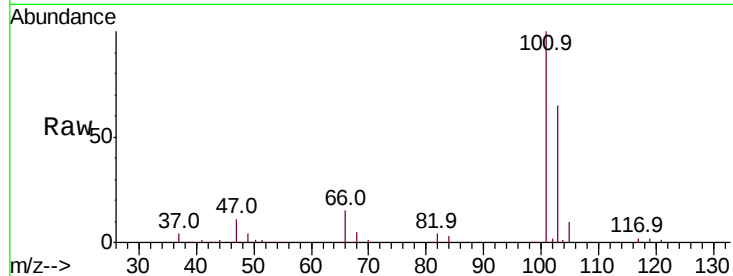
Trichlorofluoromethane
Concen: 51.374 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 213024
Ion Ratio Lower Upper
101 100
103 65.5 51.2 76.8

Manual Integrations
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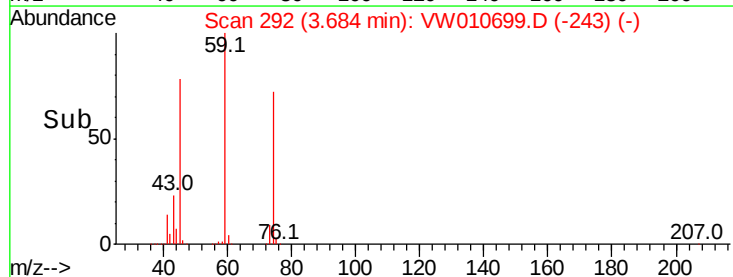
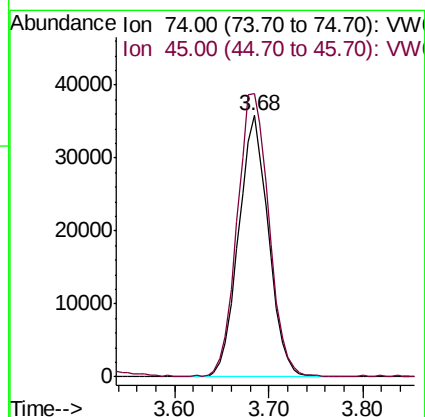
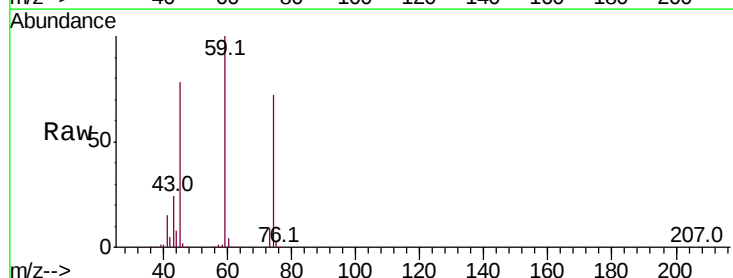
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6/6/2019 11:51:55 AM

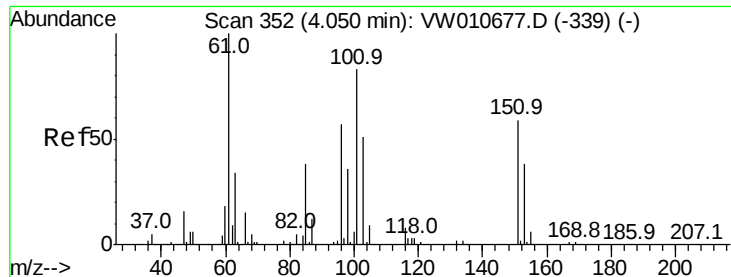


#8

Diethyl Ether
Concen: 53.656 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion: 74 Resp: 79509
Ion Ratio Lower Upper
74 100
45 115.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.364 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

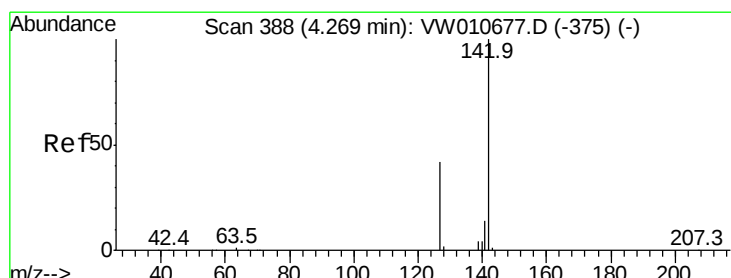
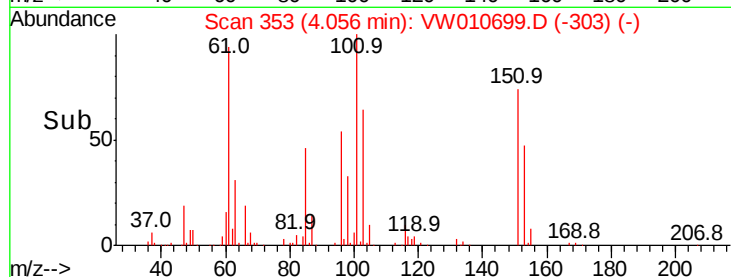
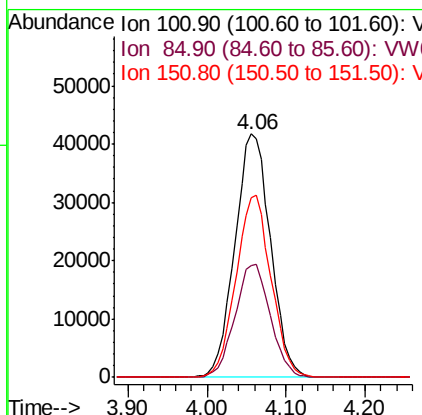
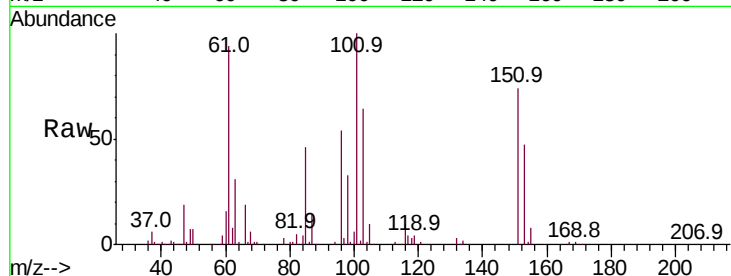
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	130944
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.8	53.8
151	73.5	58.1	87.1

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#10

Methyl Iodide

Concen: 42.877 ug/l

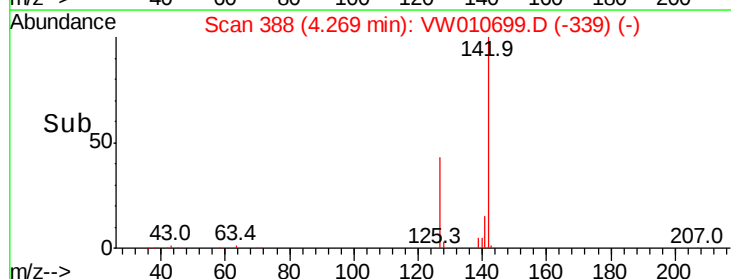
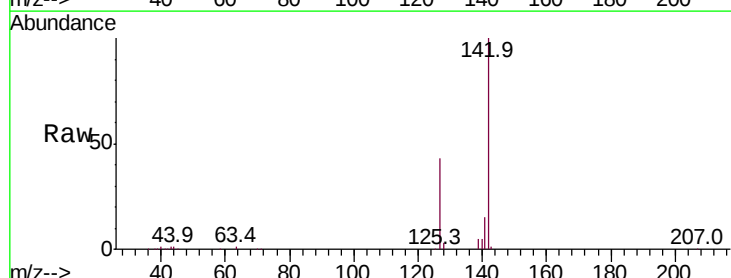
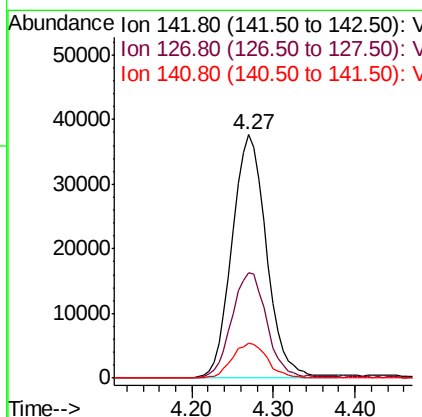
RT: 4.27 min Scan# 388

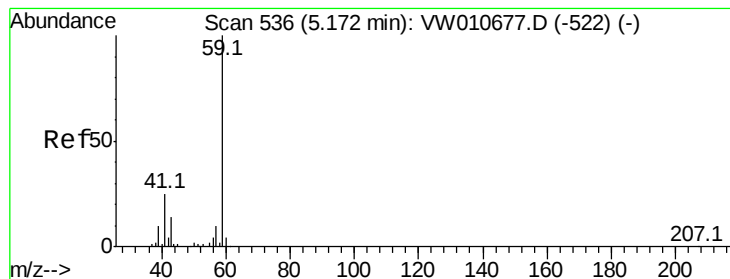
Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion:	142	Resp:	110616
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.6	51.8
141	14.8	11.6	17.4





#11

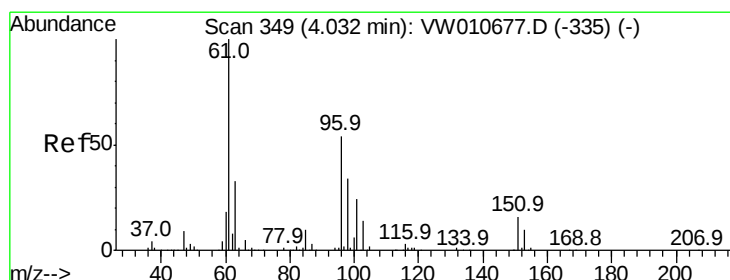
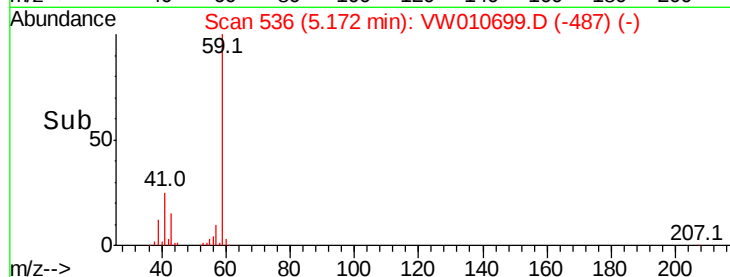
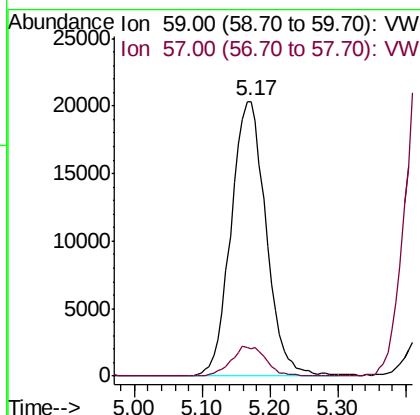
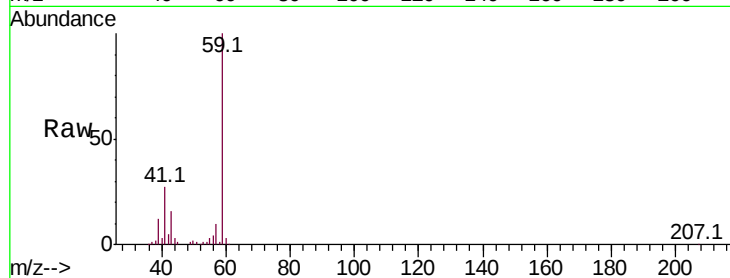
Tert butyl alcohol
Concen: 297.920 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	72747
Ion Ratio	100	Lower	Upper
57	10.9	8.6	12.8

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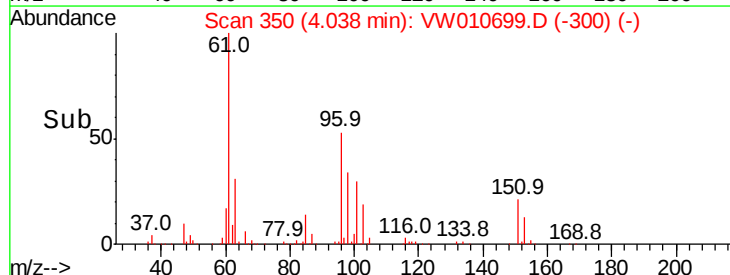
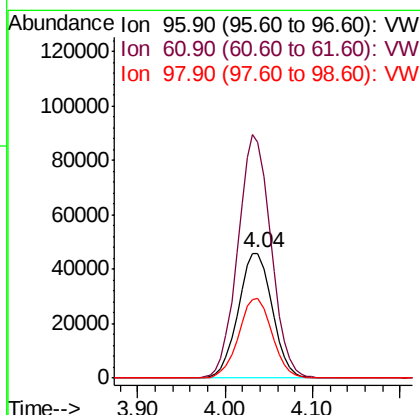
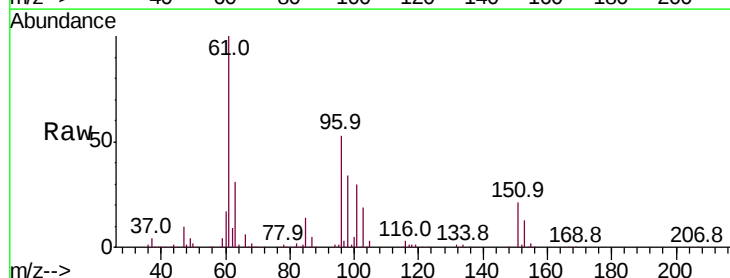
MMDadoda
6/6/2019 11:51:55 AM

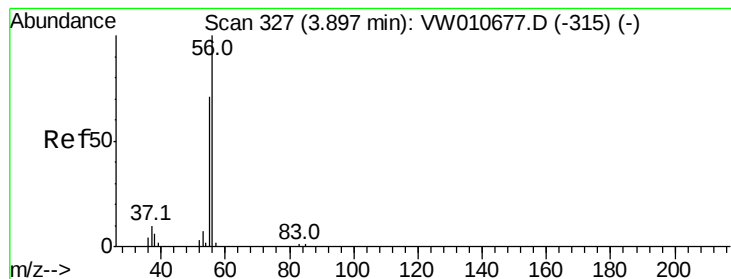


#12

1,1-Dichloroethene
Concen: 50.604 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	96	Resp	124446
Ion Ratio	100	Lower	Upper
61	189.4	149.1	223.7
98	63.9	51.1	76.7





#13

Acrolein

Concen: 236.227 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 23571

Ion Ratio Lower Upper

56 100

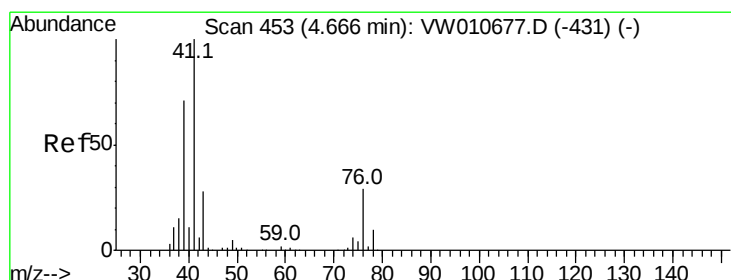
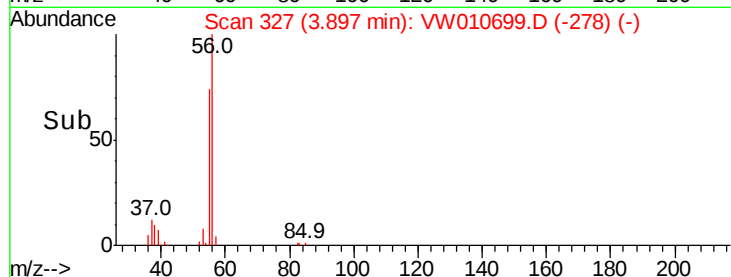
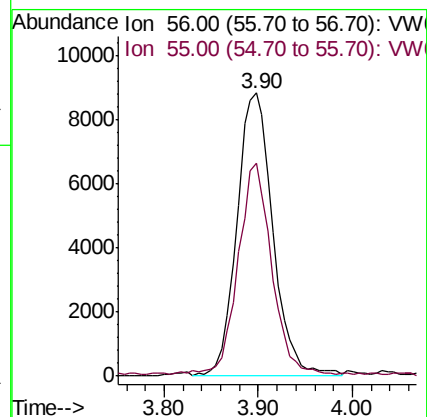
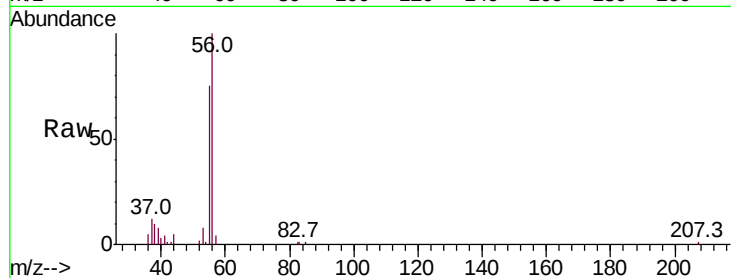
55 68.9 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 52.644 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

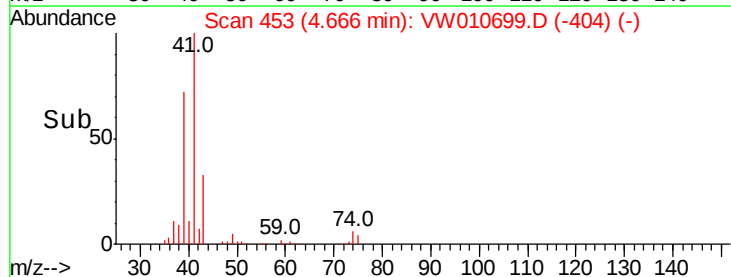
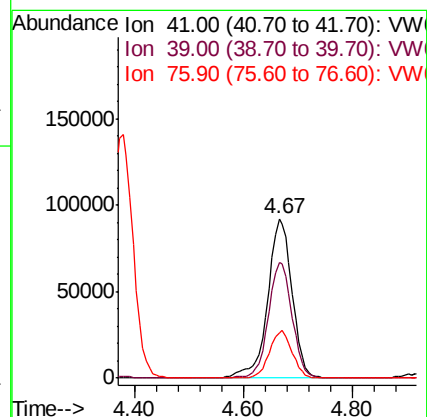
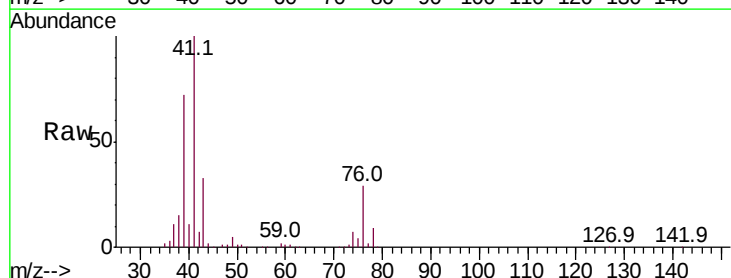
Tgt Ion: 41 Resp: 285455

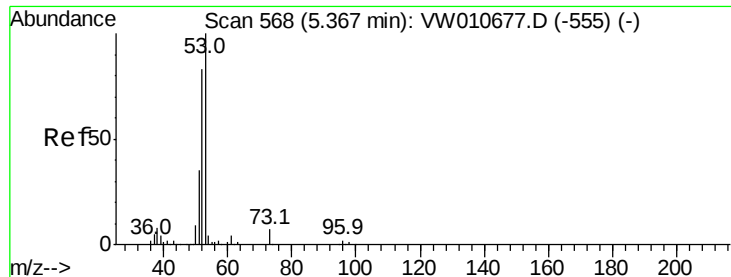
Ion Ratio Lower Upper

41 100

39 70.7 55.8 83.6

76 27.9 22.7 34.1





#15

Acrylonitrile

Concen: 284.642 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

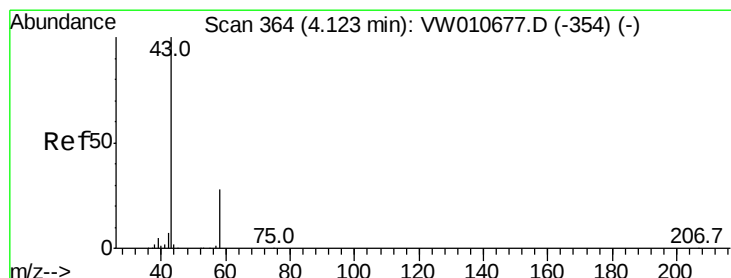
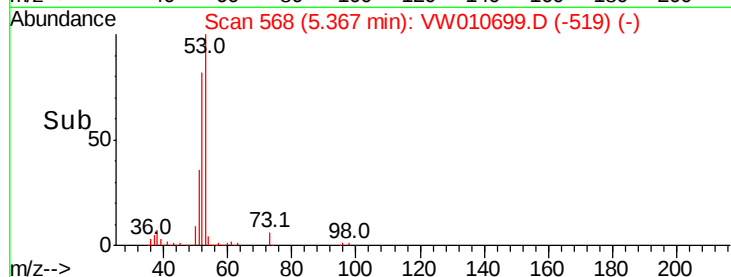
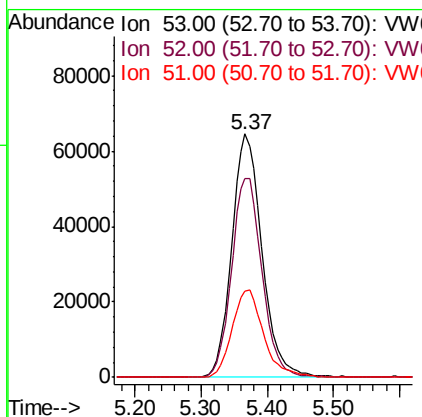
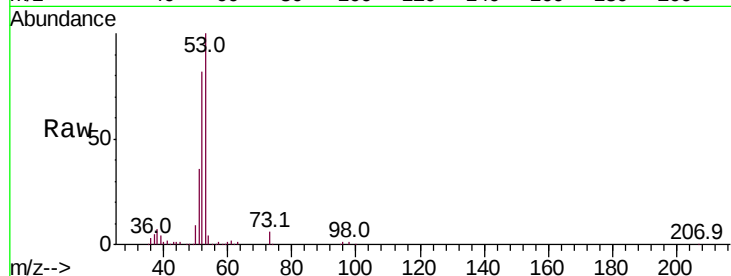
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	204914
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.6	100.0
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 295.502 ug/l

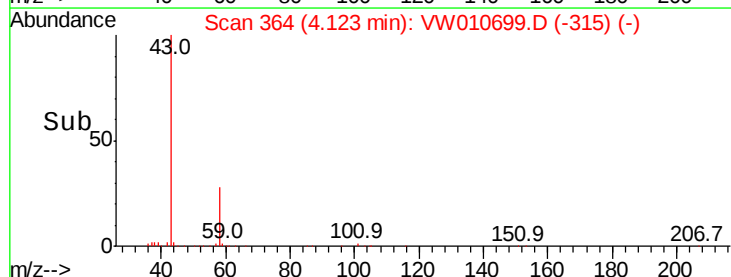
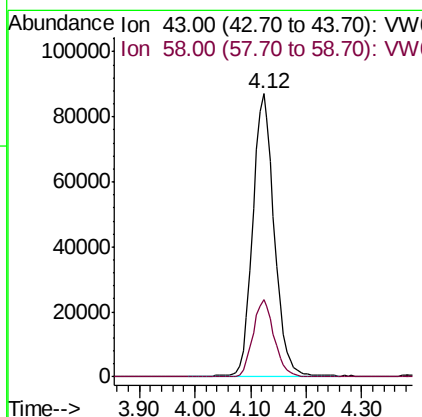
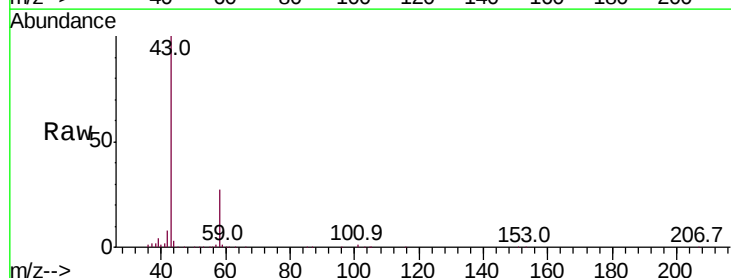
RT: 4.12 min Scan# 364

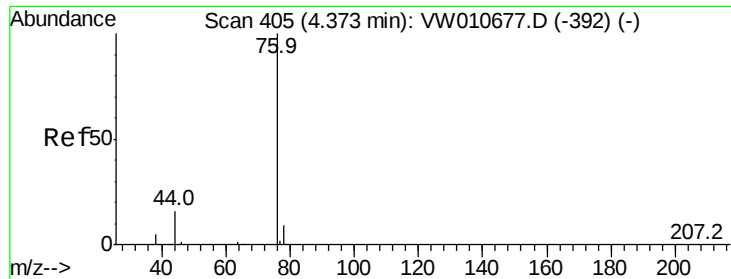
Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion:	43	Resp:	237324
Ion Ratio	Lower	Upper	
43	100		
58	27.3	22.1	33.1





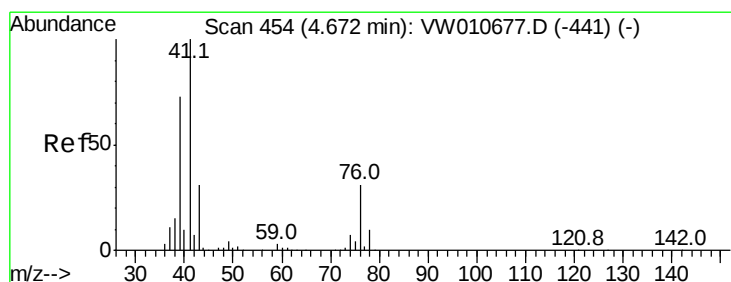
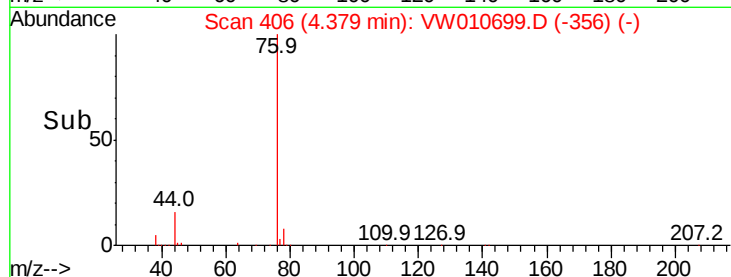
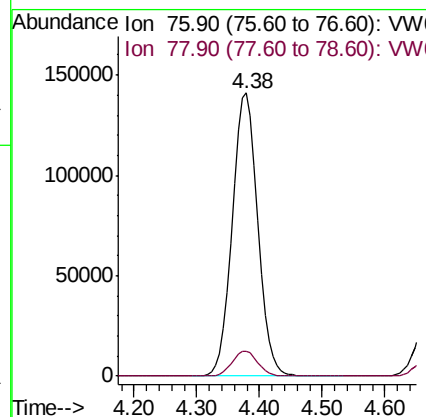
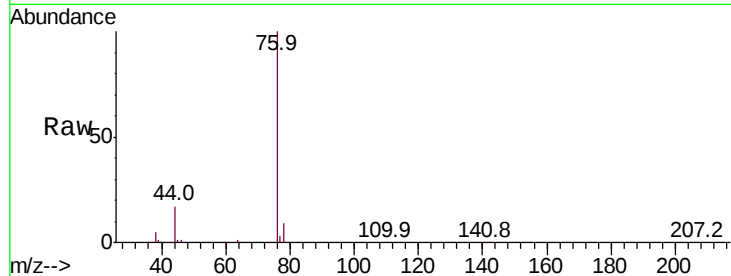
#17
Carbon Disulfide
Concen: 50.819 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.5	11.3

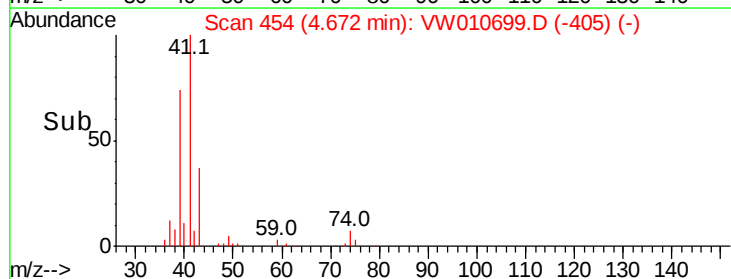
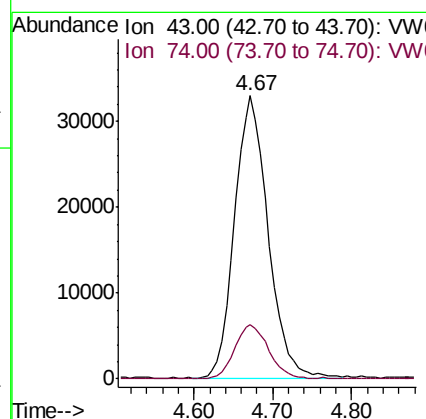
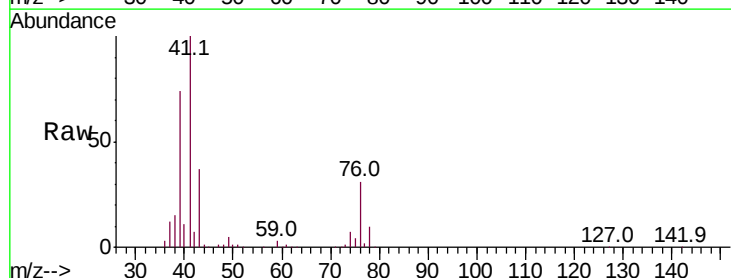
Manual Integrations
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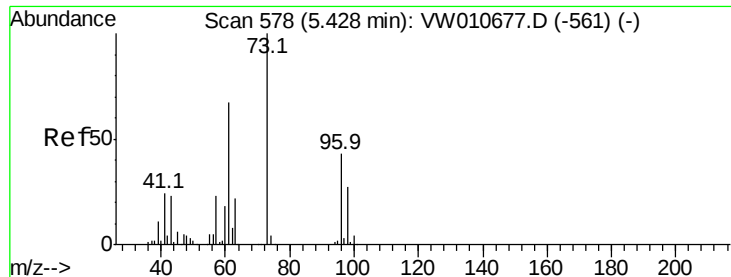
MMDadoda
6/6/2019 11:51:55 AM



#18
Methyl Acetate
Concen: 56.045 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.7	25.1





#19

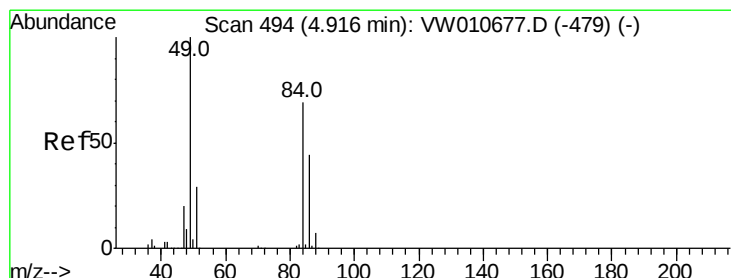
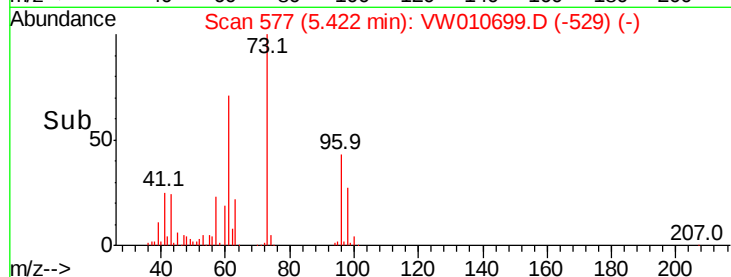
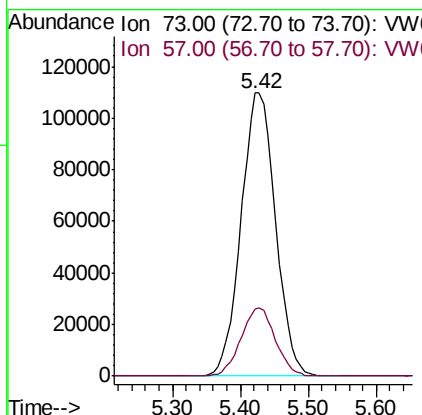
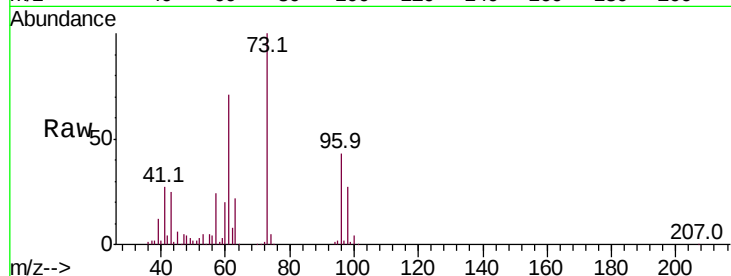
Methyl tert-butyl Ether
 Concen: 54.488 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.6	27.8

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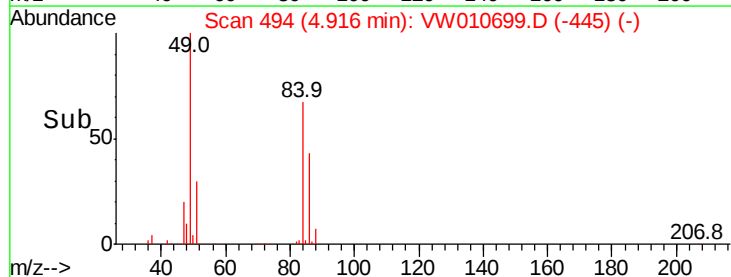
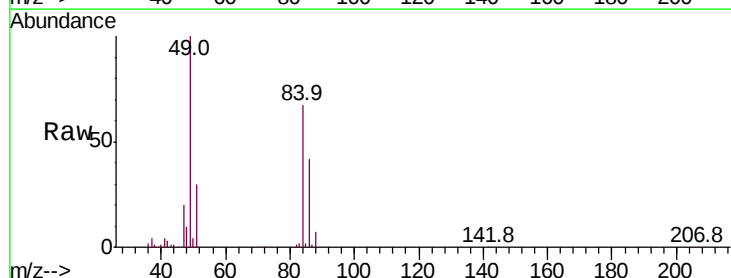
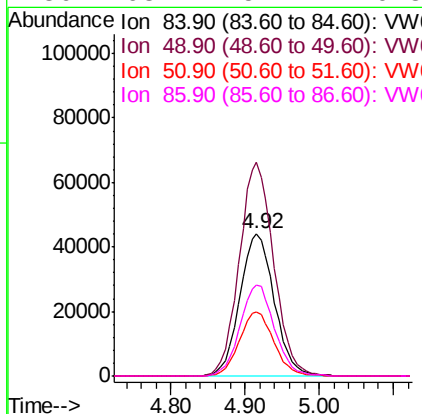
MMDadoda
 6/6/2019 11:51:55 AM

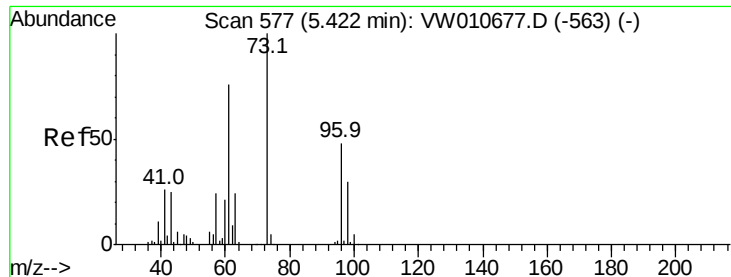


#20

Methylene Chloride
 Concen: 50.707 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.2	116.7	175.1
51	44.7	34.2	51.2
86	63.7	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 51.114 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 142695

Ion Ratio Lower Upper

96 100

61 165.4 126.0 189.0

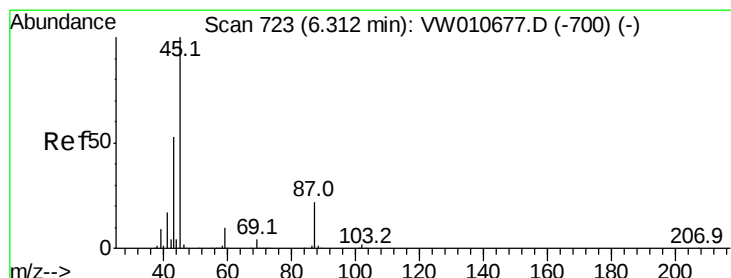
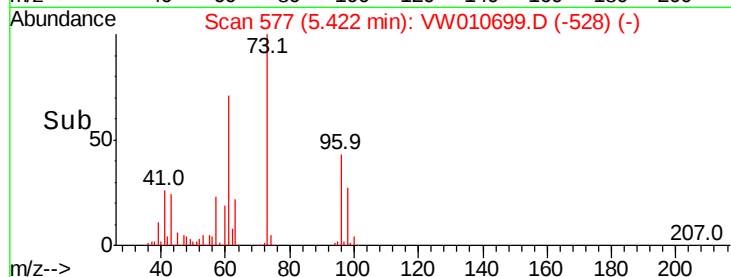
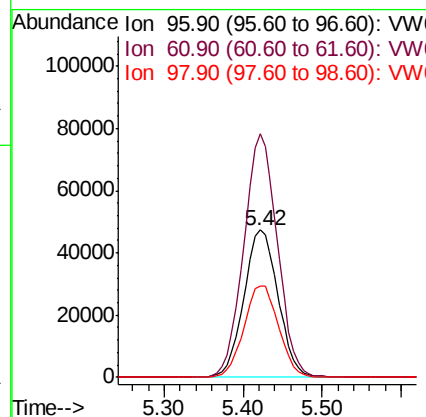
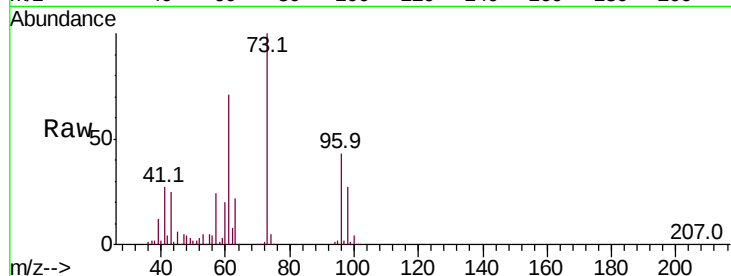
98 62.3 49.6 74.4

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#22

Diisopropyl ether

Concen: 53.581 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion: 45 Resp: 581658

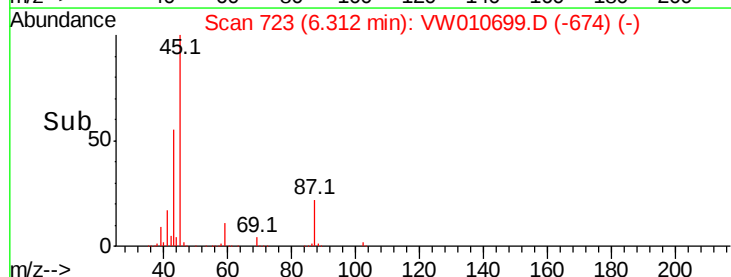
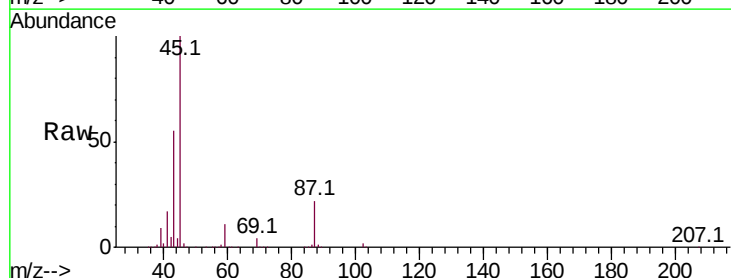
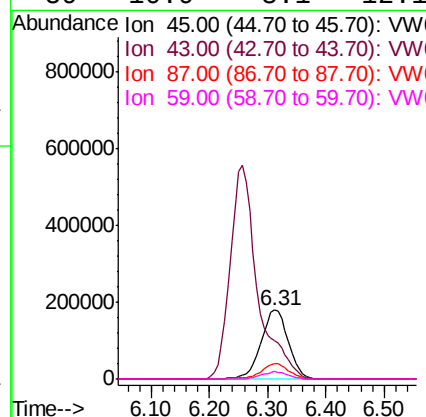
Ion Ratio Lower Upper

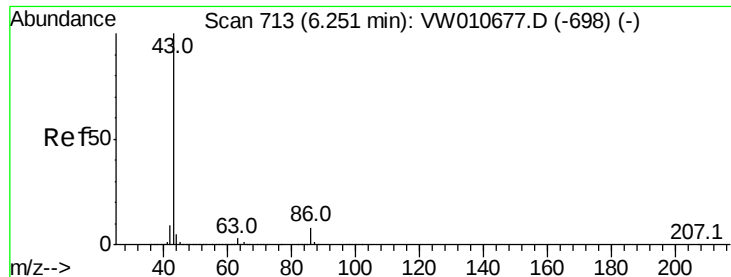
45 100

43 54.8 42.5 63.7

87 22.2 17.4 26.2

59 10.9 8.1 12.1





#23

Vinyl Acetate

Concen: 278.276 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tot Ion: 43 Resp: 1823102

Ion Ratio Lower Upper

43 100

86 8.2 6.6 10.0

Instrument :

MSVOA_W

ClientSampleId :

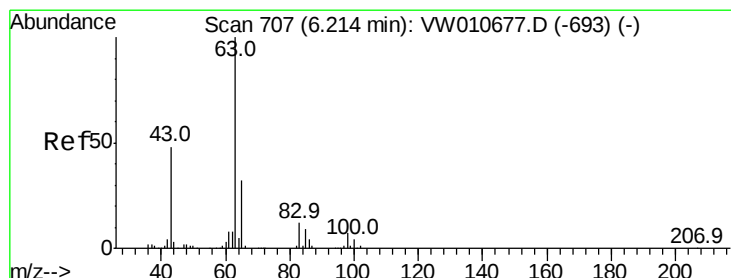
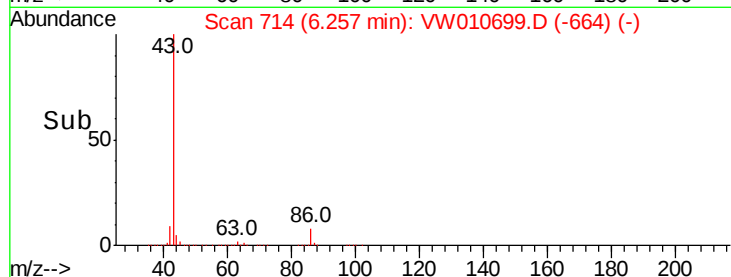
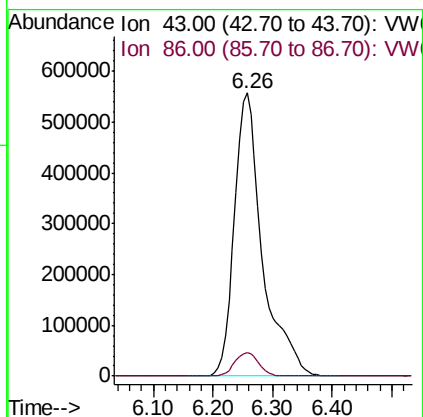
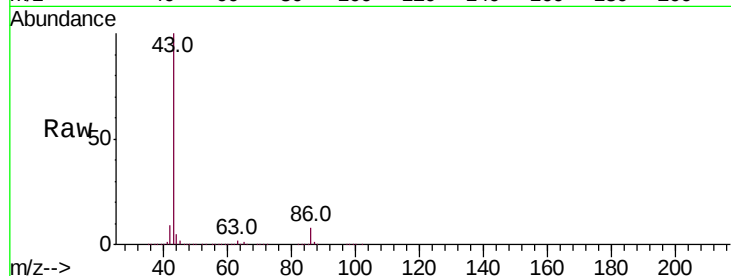
VSTDCCC050EC

Manual Integrations

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6/6/2019 11:51:55 AM



#24

1,1-Dichloroethane

Concen: 52.281 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

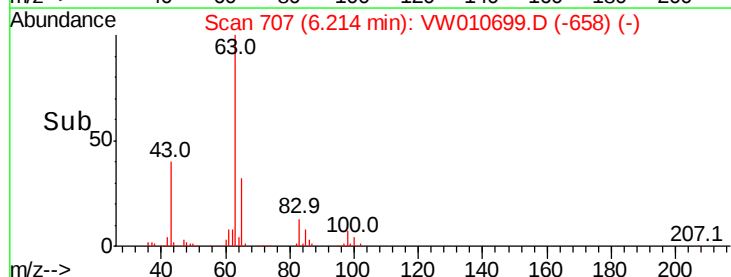
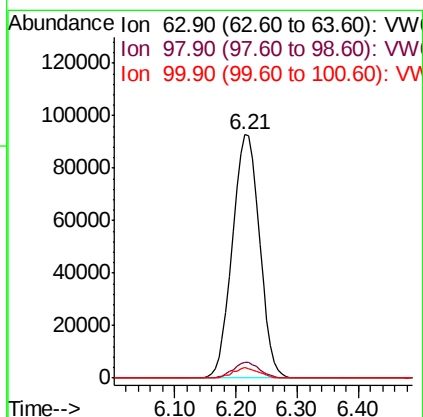
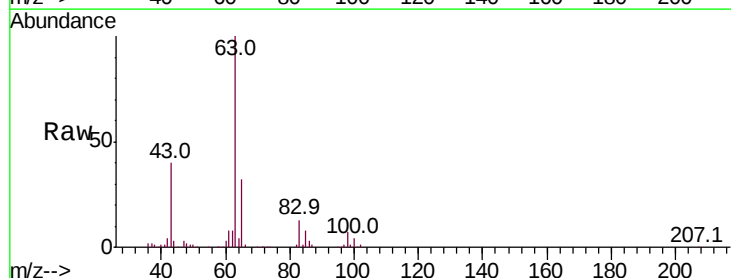
Tgt Ion: 63 Resp: 284426

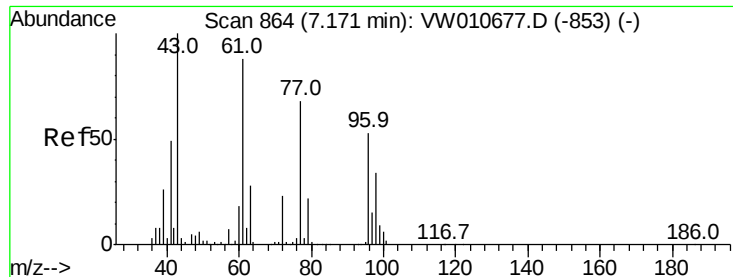
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 289.642 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 322556

Ion Ratio Lower Upper

43 100

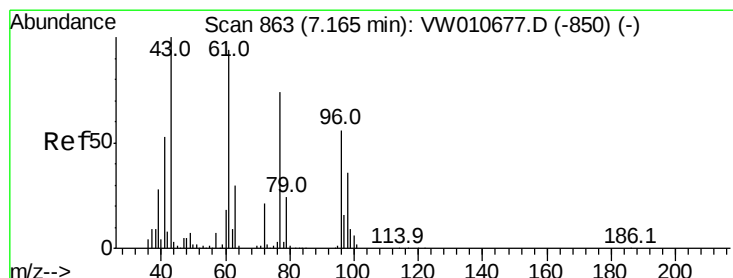
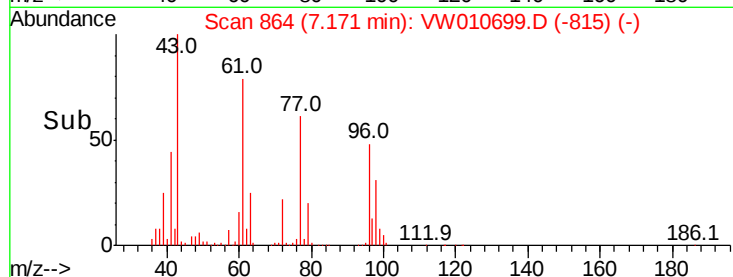
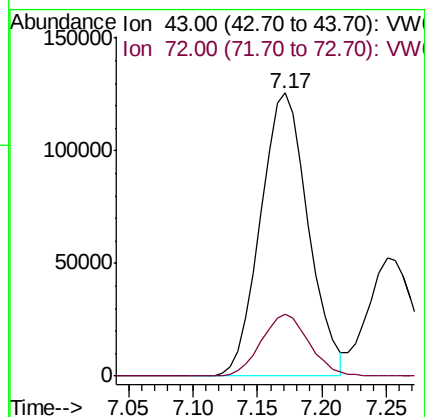
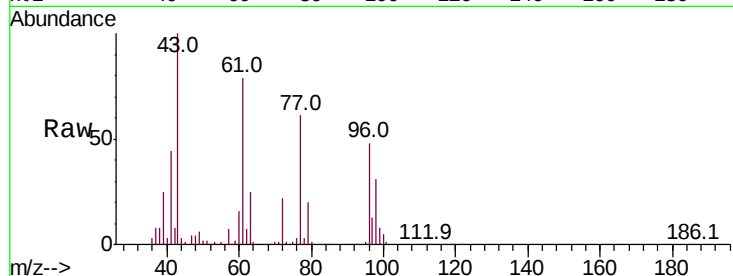
72 21.8 18.1 27.1

Manual Integrations

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MMDadoda

6/6/2019 11:51:55 AM



#26

2,2-Dichloropropane

Concen: 51.698 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010699.D

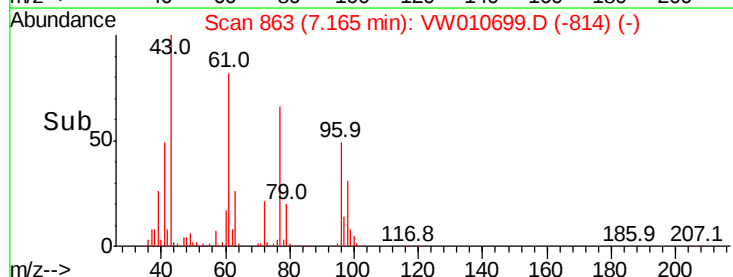
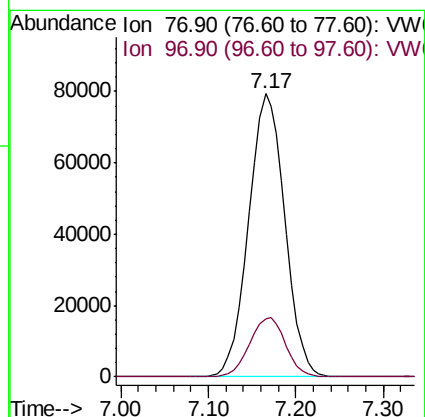
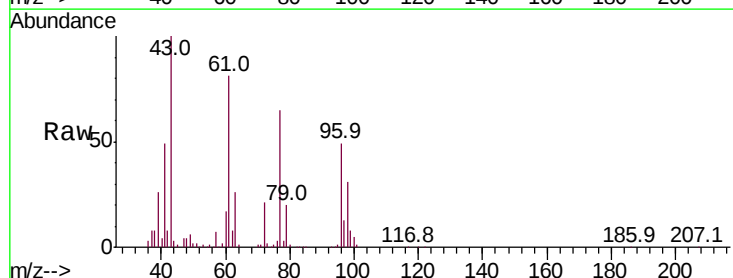
Acq: 05 Jun 2019 18:22

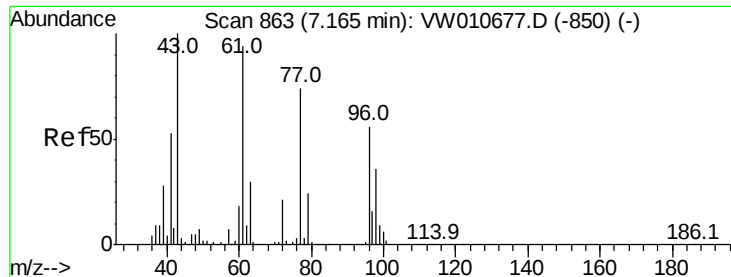
Tgt Ion: 77 Resp: 228864

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.6





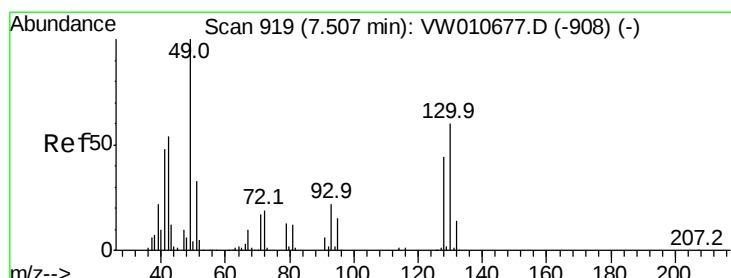
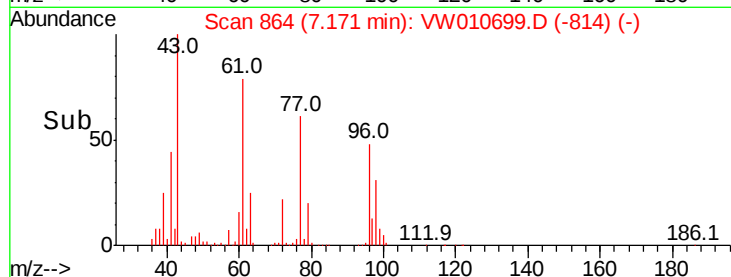
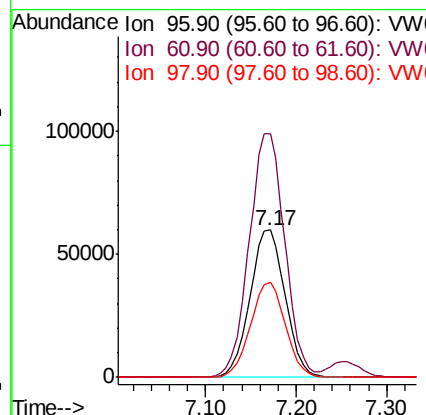
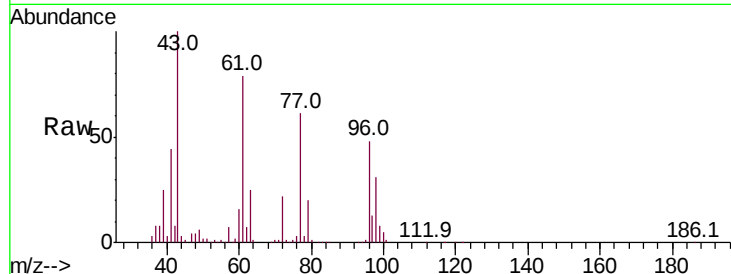
#27
 cis-1,2-Dichloroethene
 Concen: 52.087 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	167.7	0.0	336.4	
98	64.1	0.0	128.0	

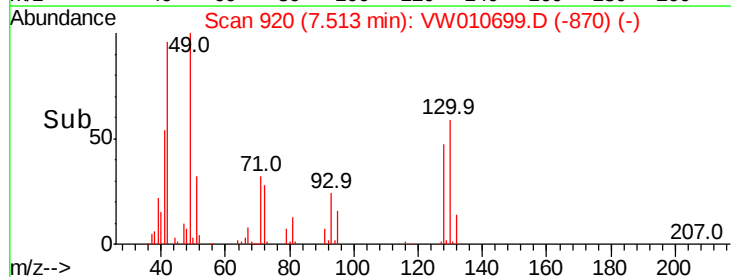
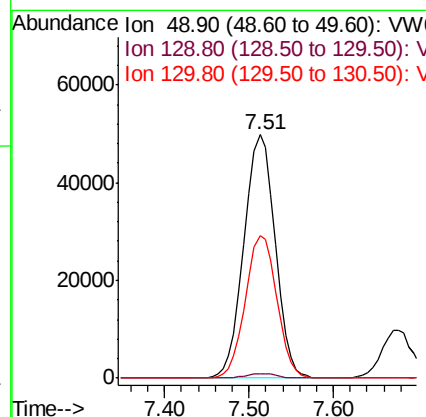
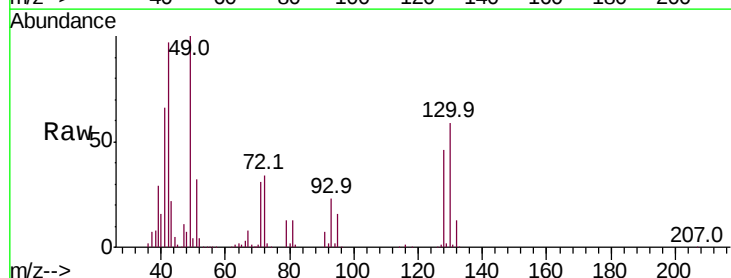
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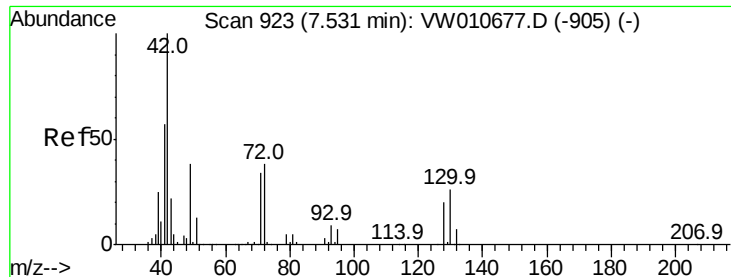
MMDadoda
 6/6/2019 11:51:55 AM



#28
 Bromochloromethane
 Concen: 51.526 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.2	
130	58.7	48.3	72.5	





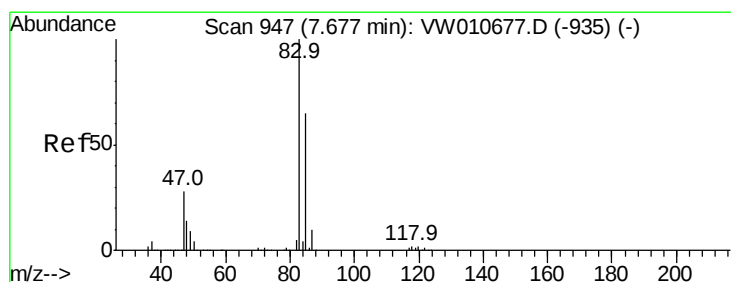
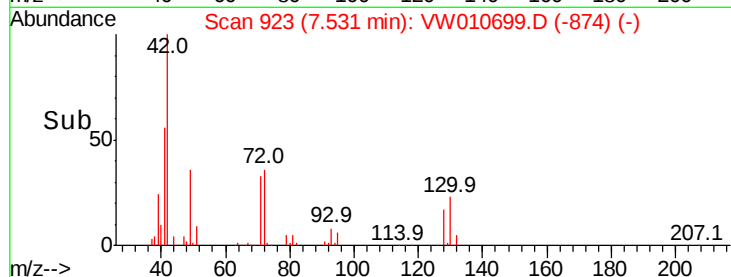
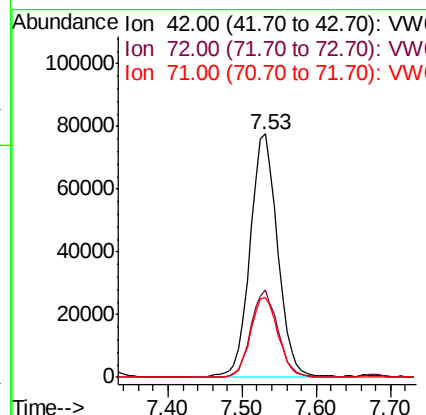
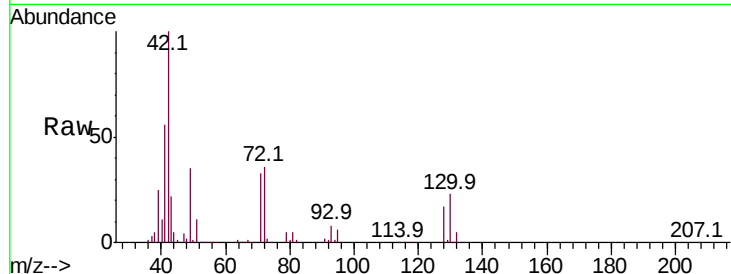
#29
Tetrahydrofuran
Concen: 288.068 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	28.7	43.1
71	33.2	26.6	39.8

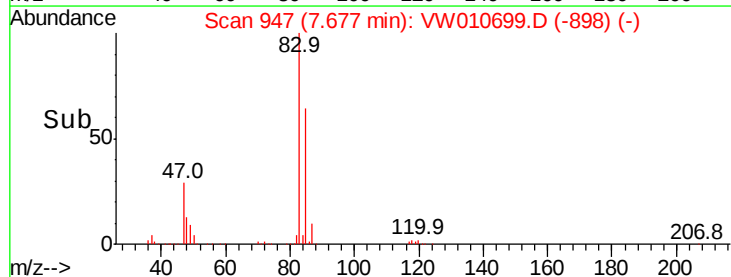
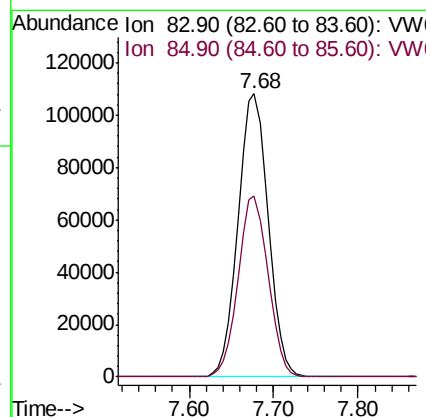
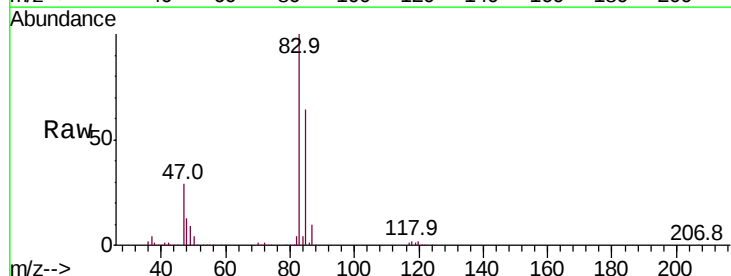
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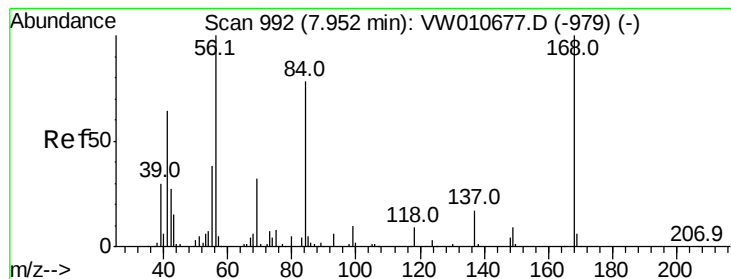
MMDadoda
6/6/2019 11:51:55 AM



#30
Chloroform
Concen: 52.544 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





#31

Cyclohexane

Concen: 48.736 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

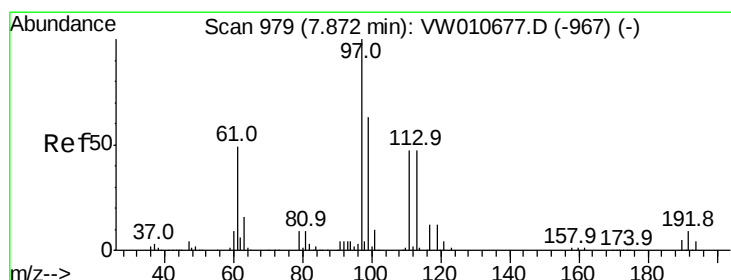
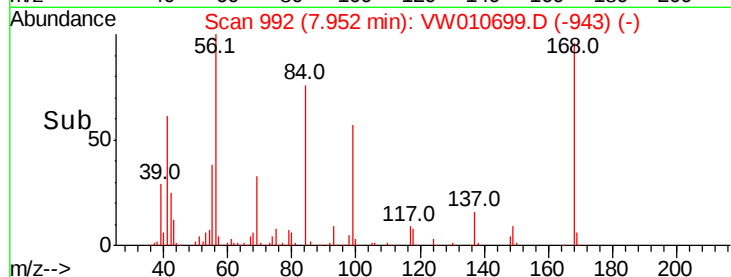
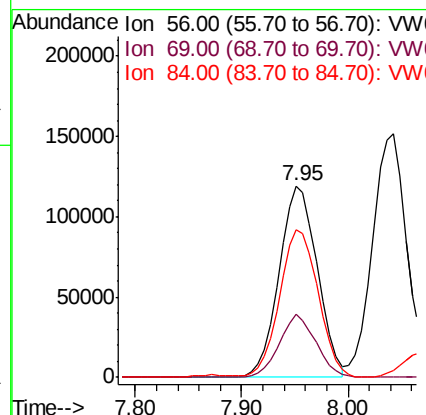
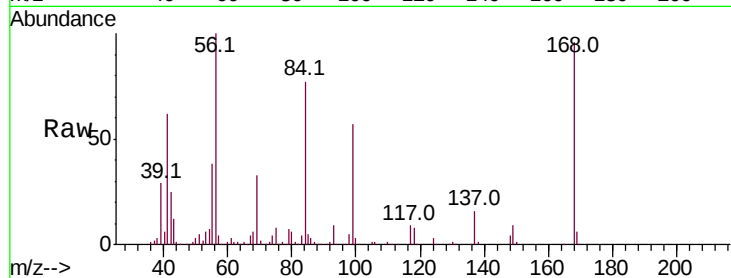
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	294735
Ion Ratio	Lower	Upper	
56	100		
69	32.9	25.2	37.8
84	76.4	62.2	93.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 52.030 ug/l

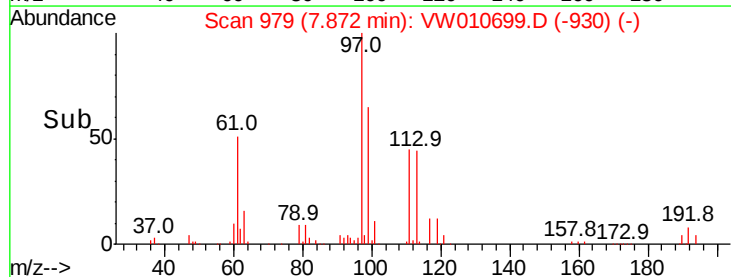
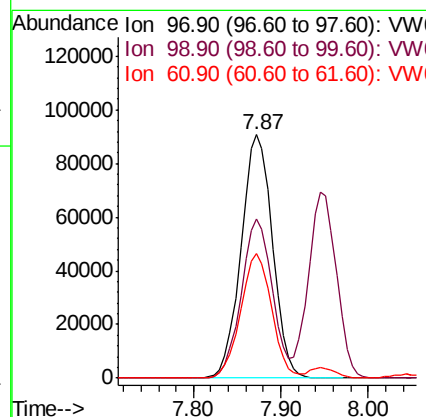
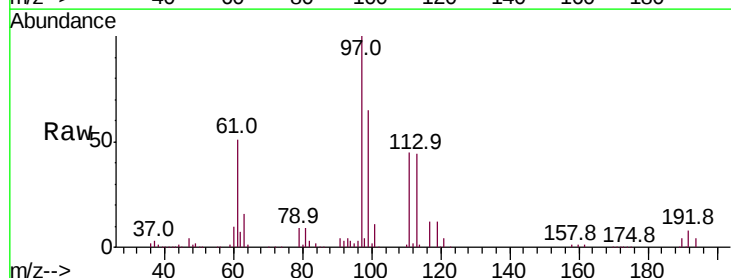
RT: 7.87 min Scan# 979

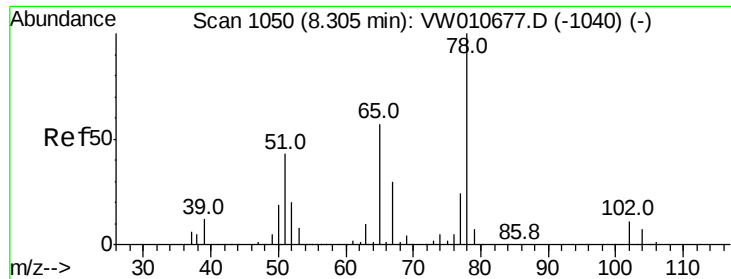
Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion:	97	Resp:	226163
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.3	76.9
61	50.7	40.4	60.6





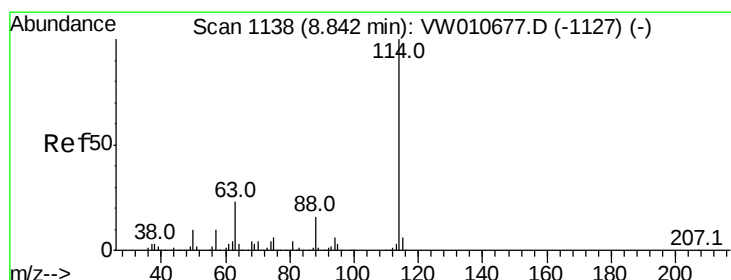
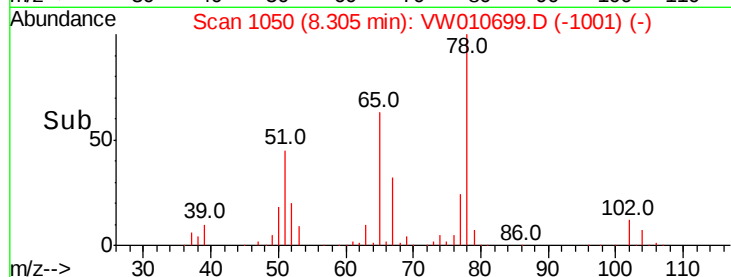
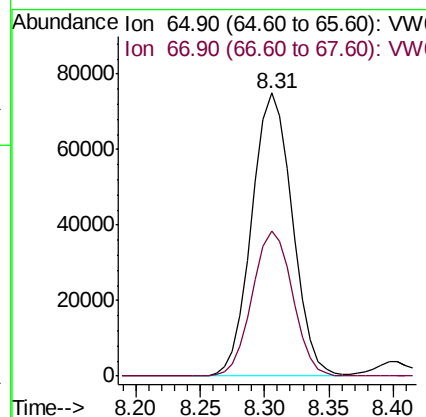
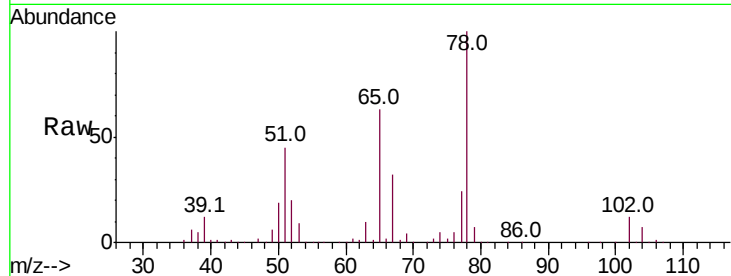
#33
 1,2-Dichloroethane-d4
 Concen: 54.736 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164061		
67	51.1	0.0	102.6	

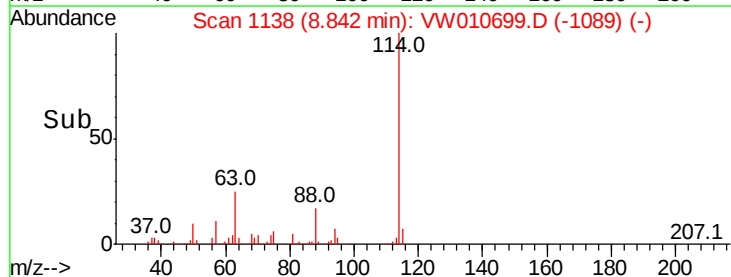
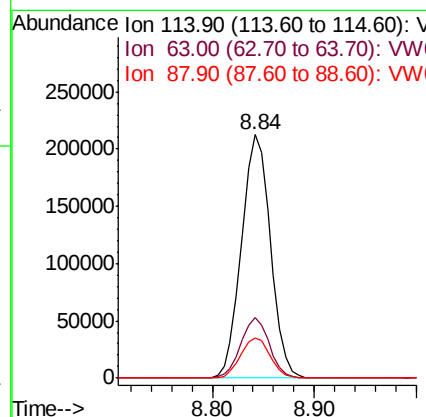
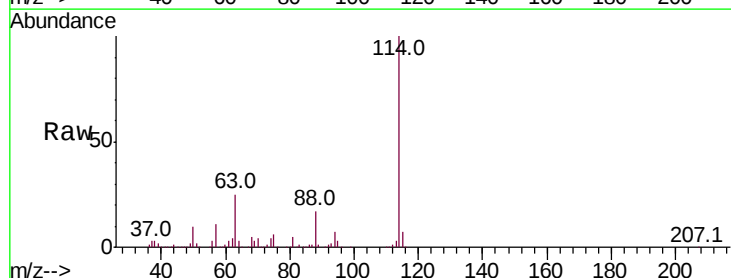
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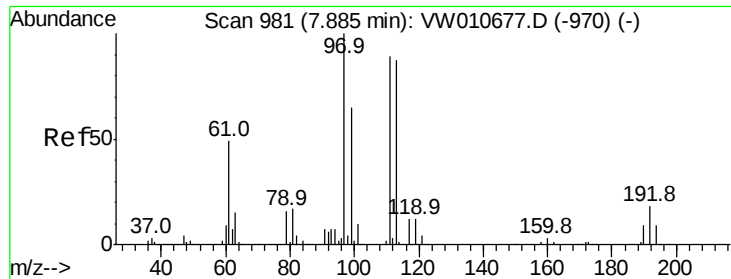
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	418470		
63	24.8	0.0	46.4	
88	16.6	0.0	32.2	





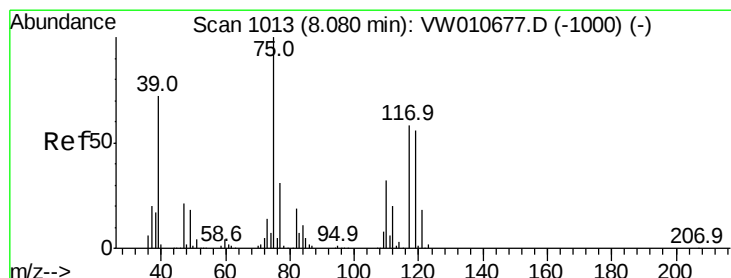
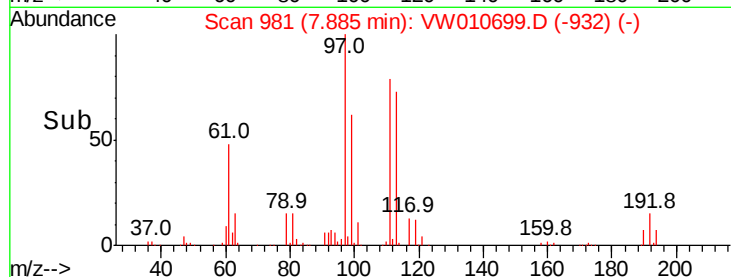
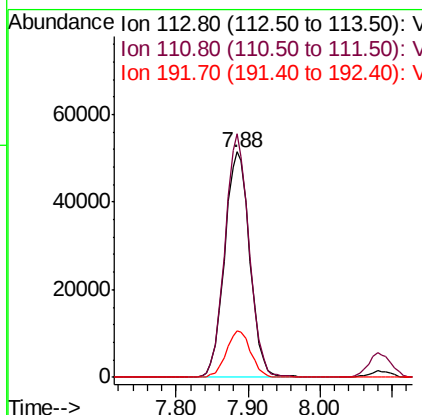
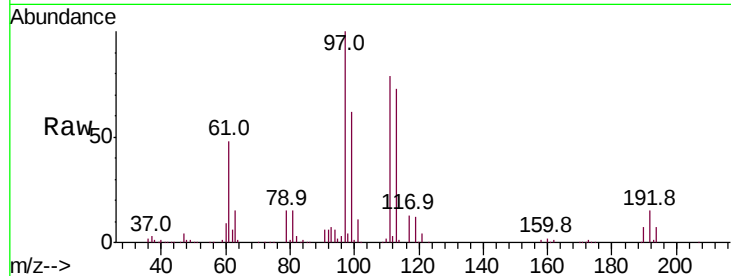
#35
 Dibromofluoromethane
 Concen: 55.047 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125031		
111	103.6	82.6	123.8	
192	20.1	16.4	24.6	

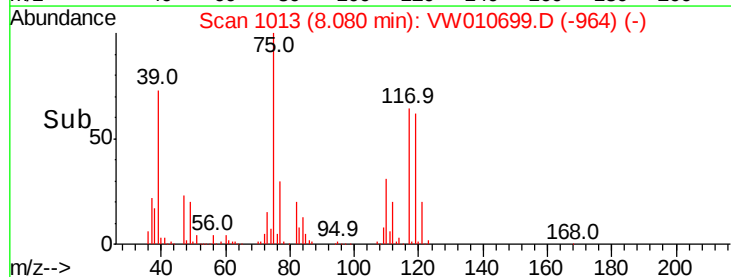
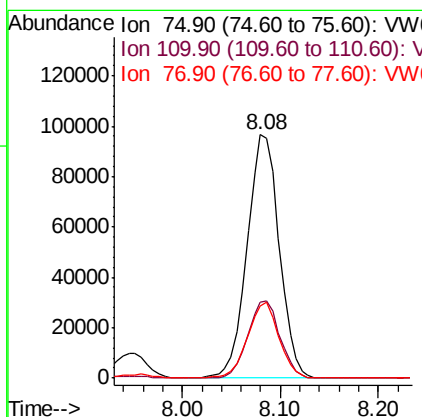
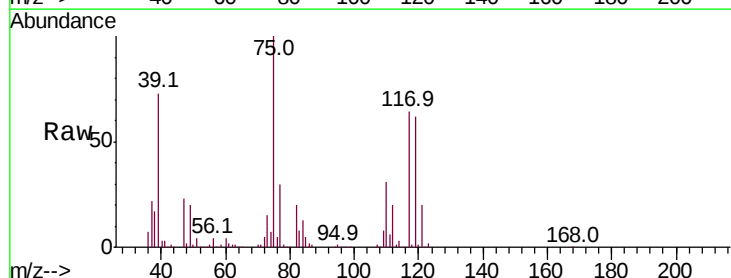
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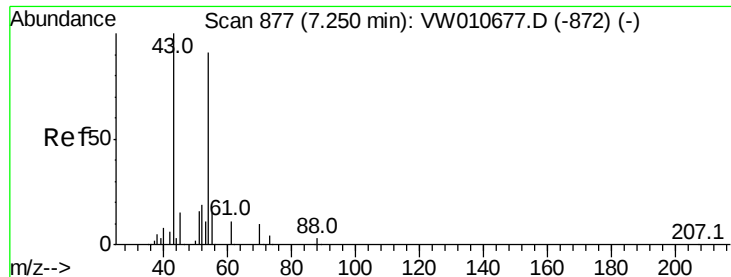
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#36
 1,1-Dichloropropene
 Concen: 51.291 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	219706		
110	31.8	15.8	47.3	
77	30.7	24.7	37.1	





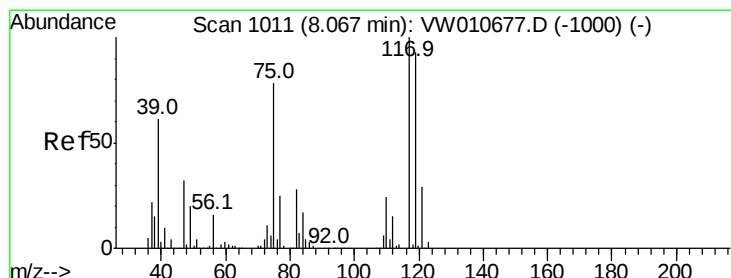
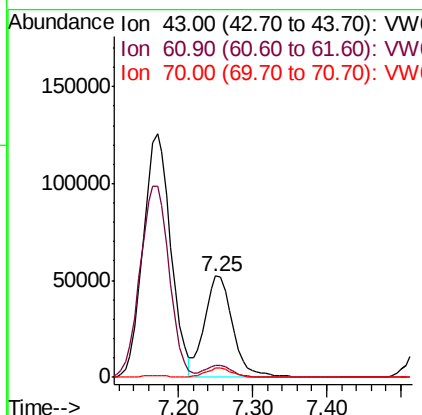
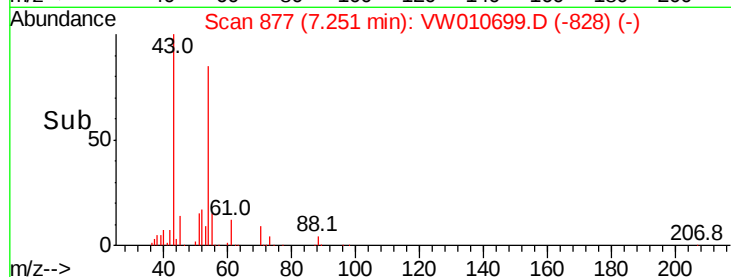
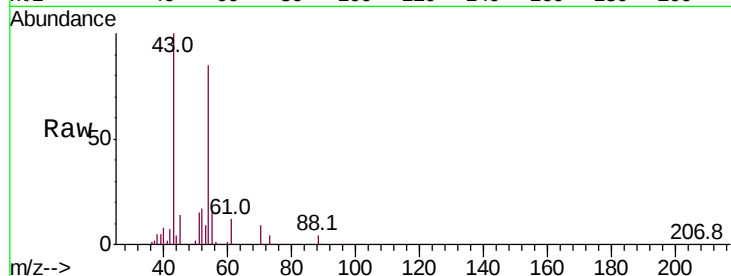
#37
Ethyl Acetate
Concen: 57.476 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.7	14.5
70	8.7	7.2	10.8

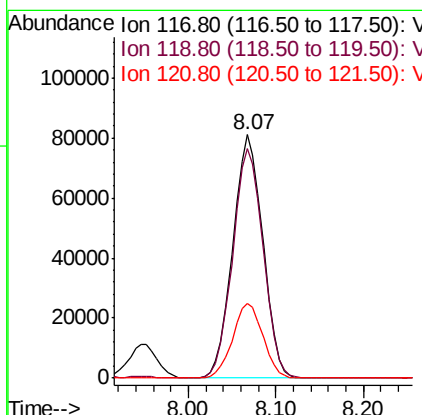
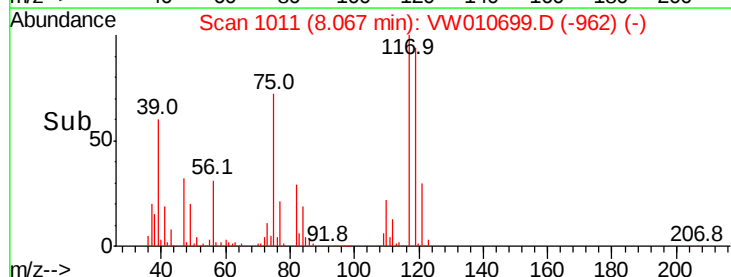
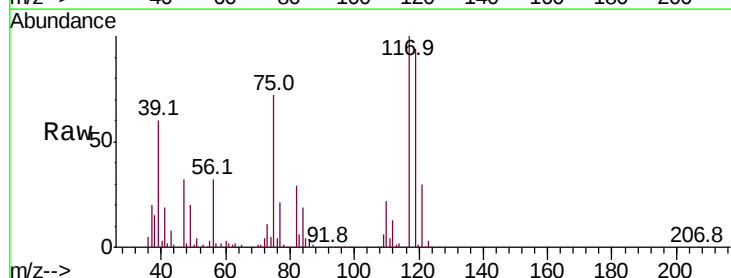
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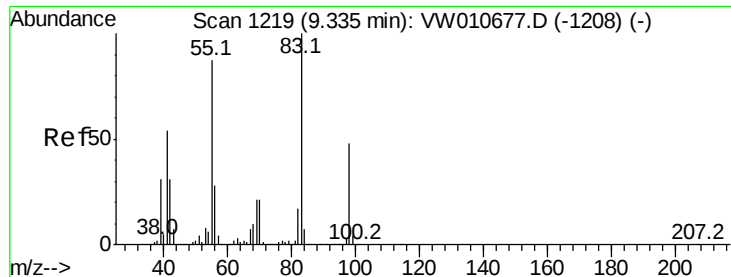
MMDadoda
6/6/2019 11:51:55 AM



#38
Carbon Tetrachloride
Concen: 52.276 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	74.2	111.4
121	30.5	22.9	34.3





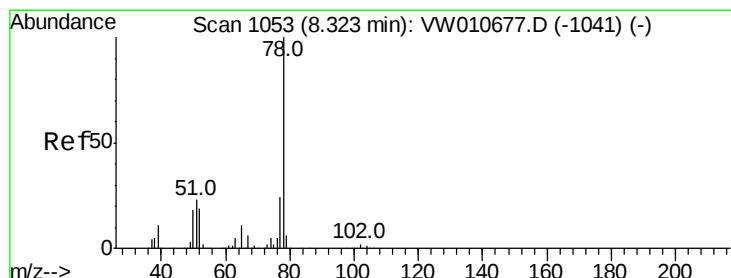
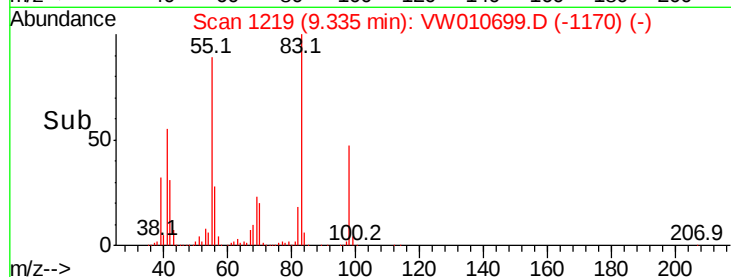
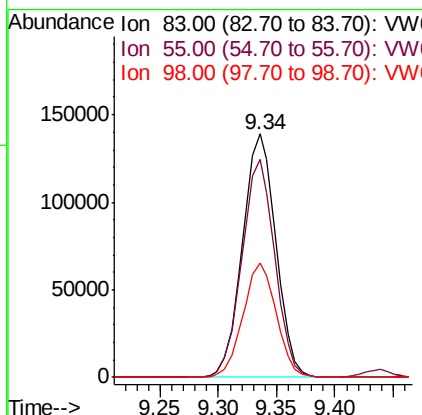
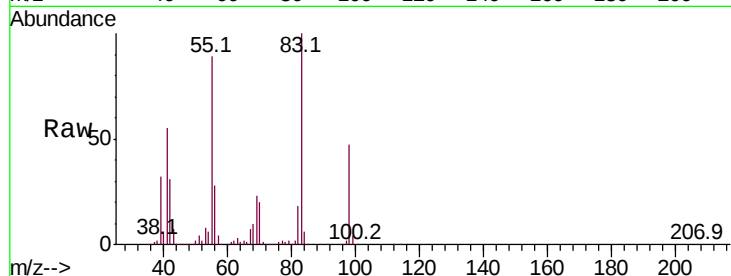
#39
Methvlcvclohexane
Concen: 51.264 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	70.0	105.0
98	47.2	38.1	57.1

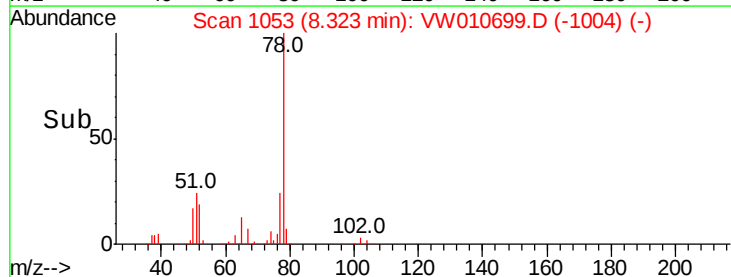
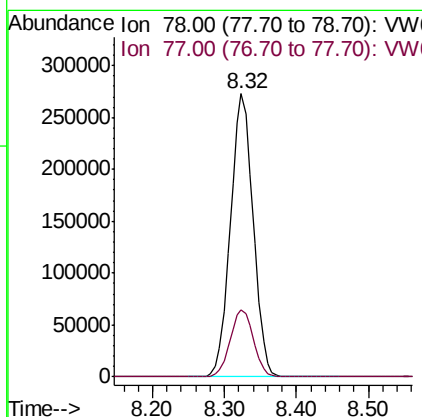
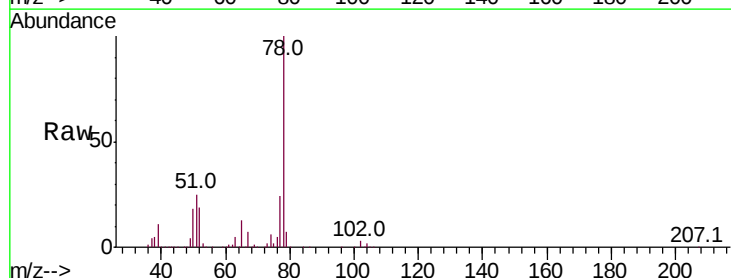
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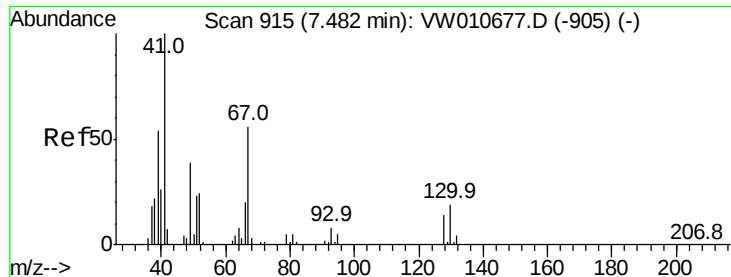
MMDadoda
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#40
Benzene
Concen: 51.192 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





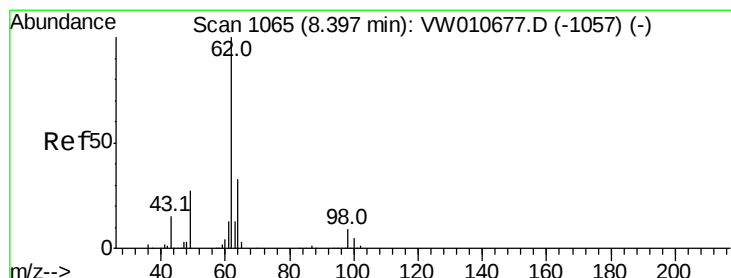
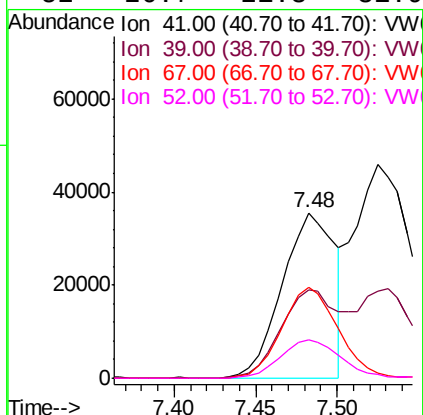
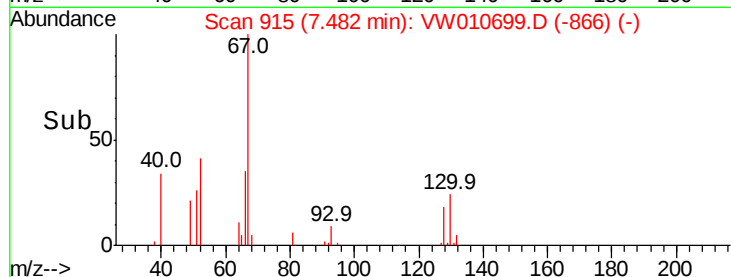
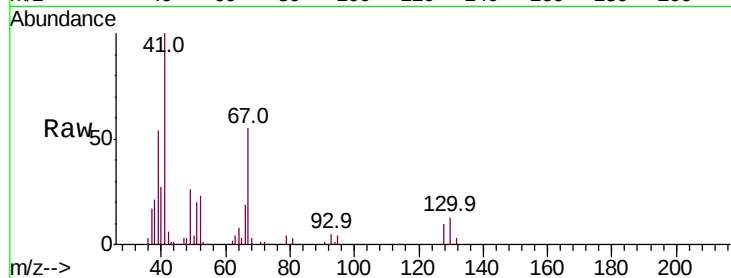
#41
Methacrylonitrile
Concen: 56.553 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	47.3	70.9
67	59.2	47.2	70.8
52	26.7	21.3	31.9

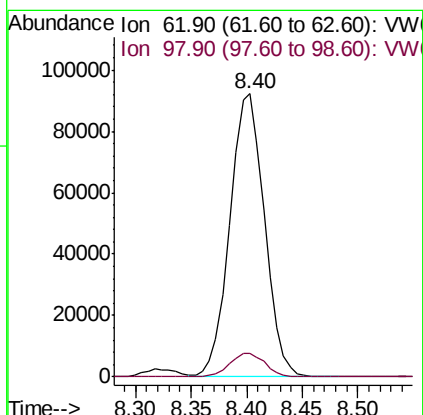
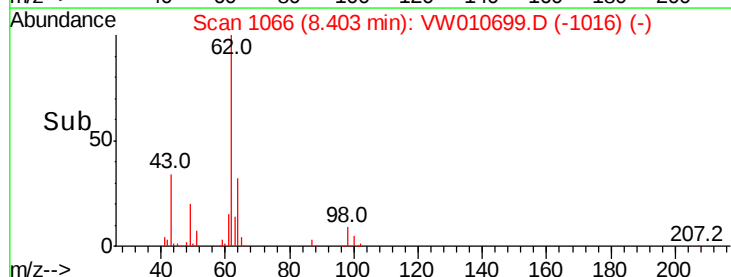
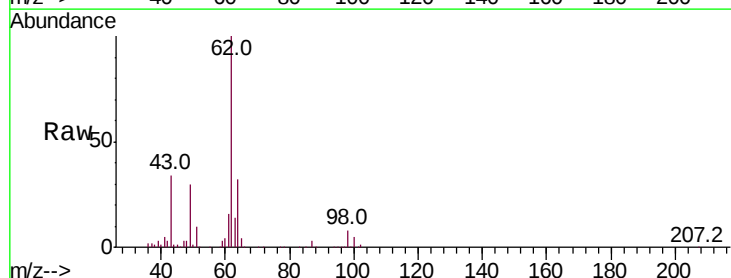
Manual Integrations
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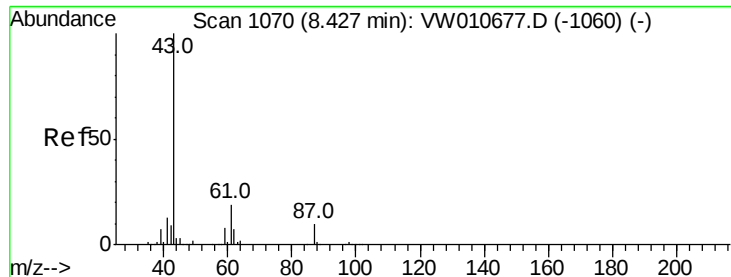
MMDadoda
6/6/2019 11:51:55 AM



#42
1,2-Dichloroethane
Concen: 53.548 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 56.615 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

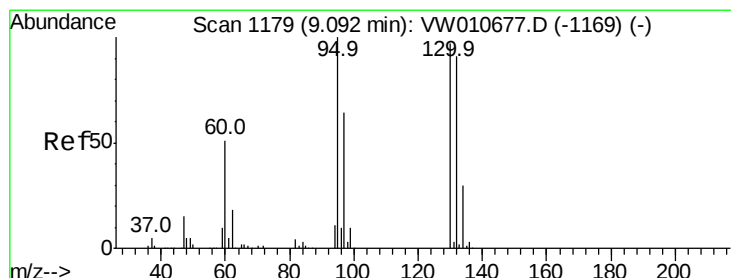
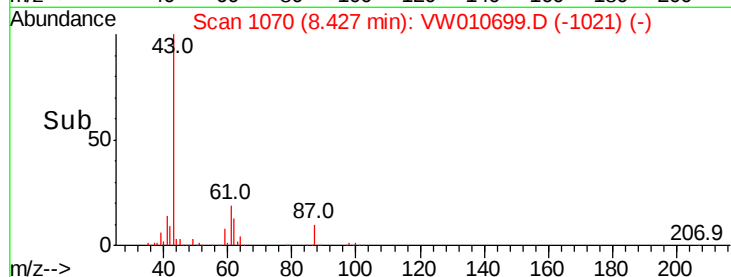
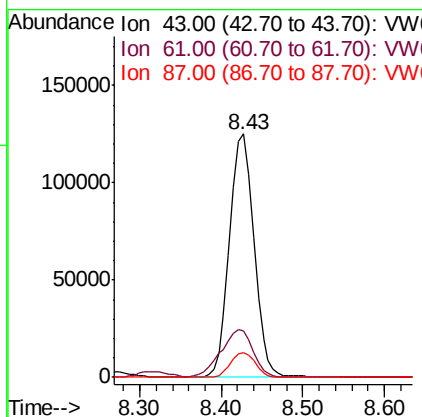
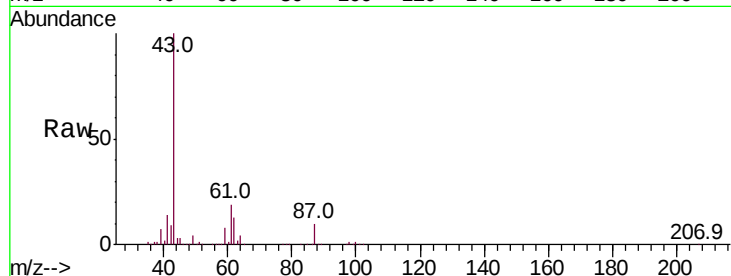
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	259626
Ion	Ratio	Lower	Upper
43	100		
61	25.4	21.2	31.8
87	10.4	8.3	12.5

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#44

Trichloroethene

Concen: 51.124 ug/l

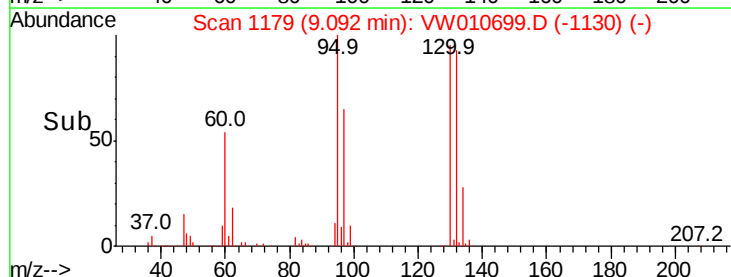
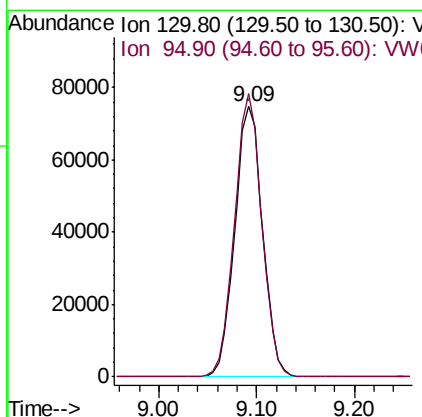
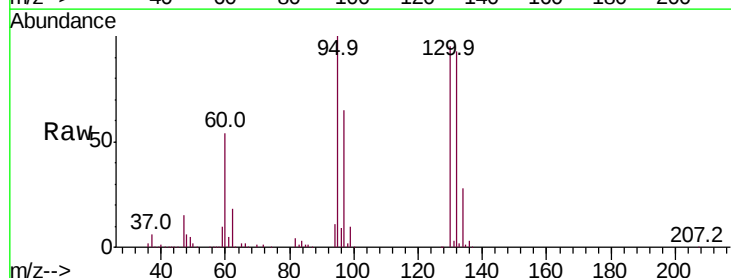
RT: 9.09 min Scan# 1179

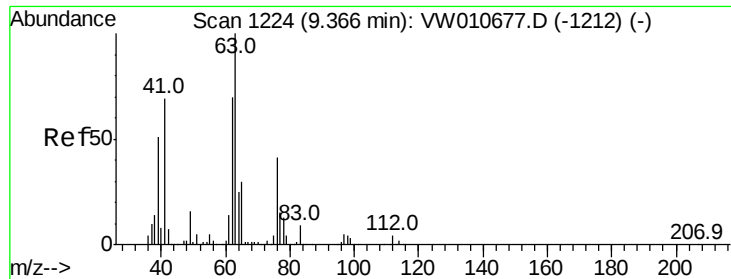
Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion:	130	Resp:	147370
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	207.0





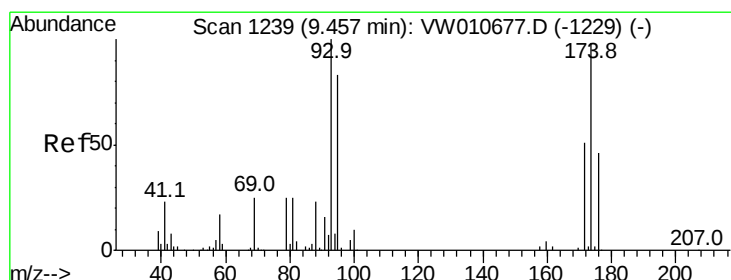
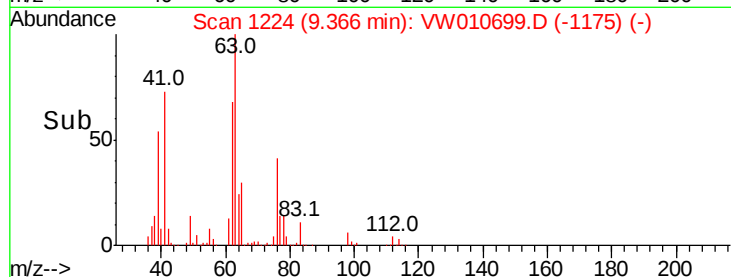
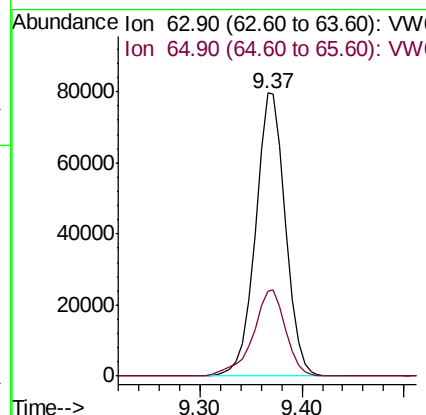
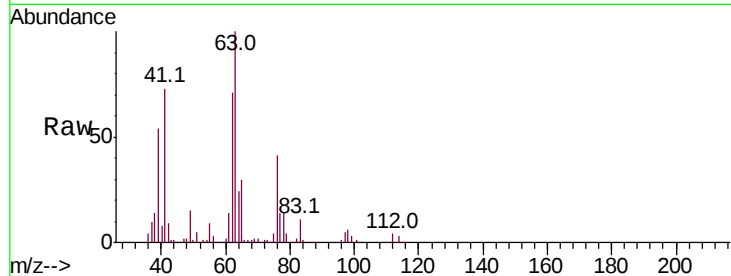
#45
 1,2-Dichloropropane
 Concen: 52.572 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.8	35.6

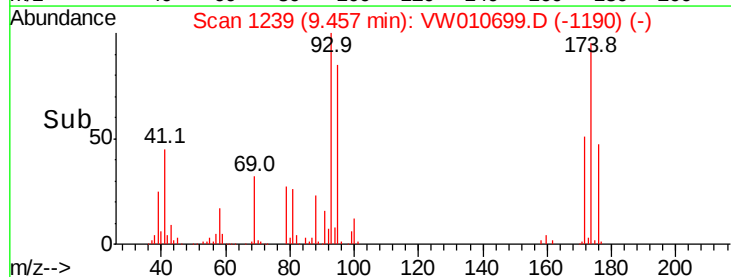
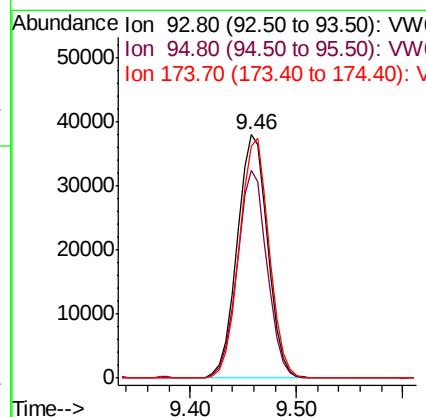
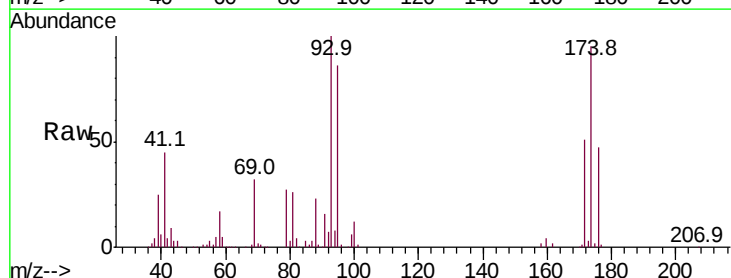
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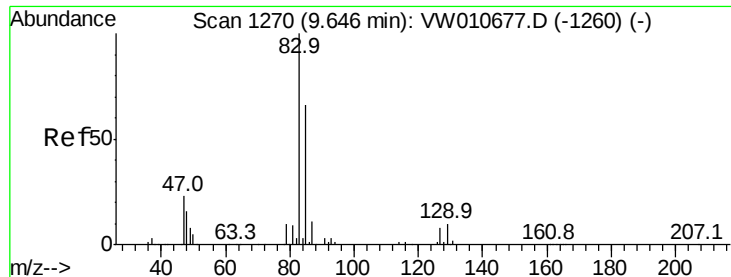
MMDadoda
 6/6/2019 11:51:55 AM



#46
 Dibromomethane
 Concen: 53.173 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	96.2	77.4	116.0





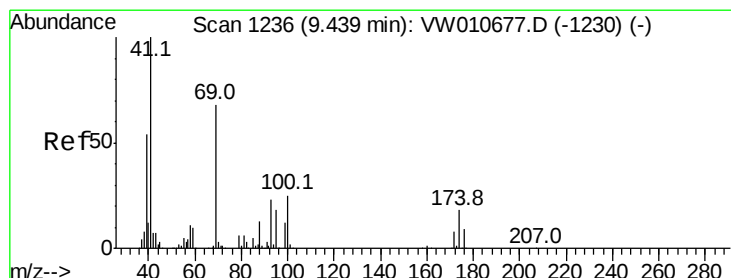
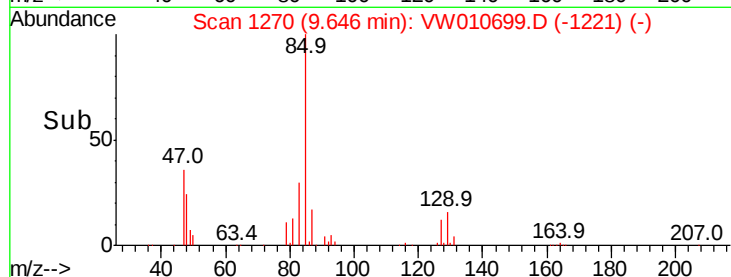
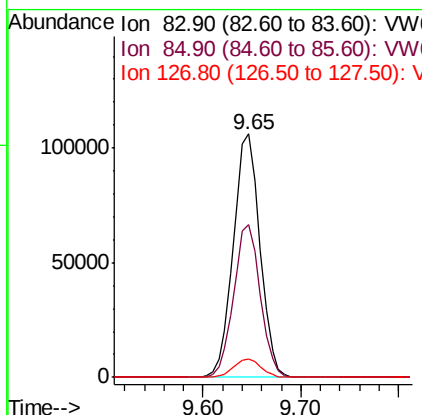
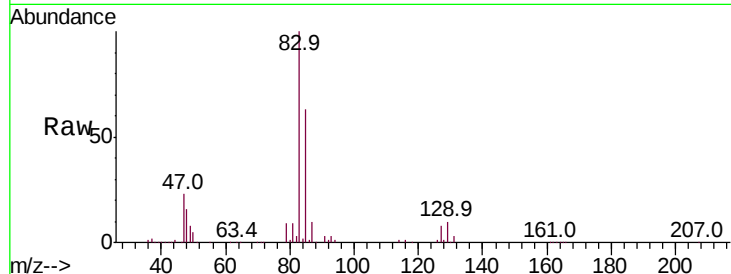
#47
 Bromodichloromethane
 Concen: 53.902 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	200753		
85	62.8		53.0	79.4
127	7.5		6.4	9.6

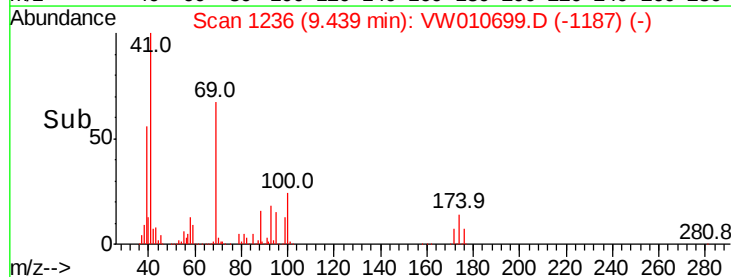
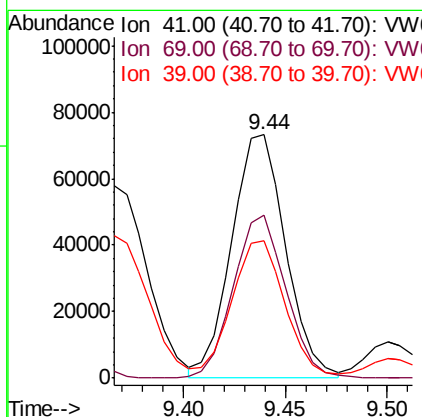
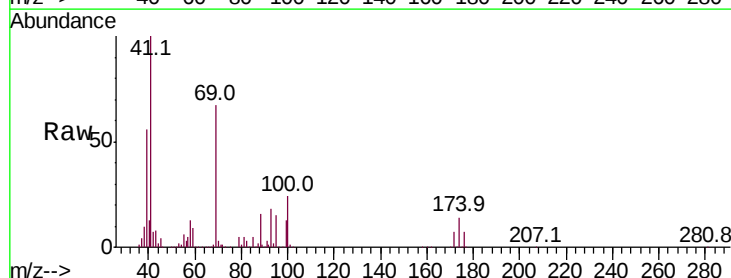
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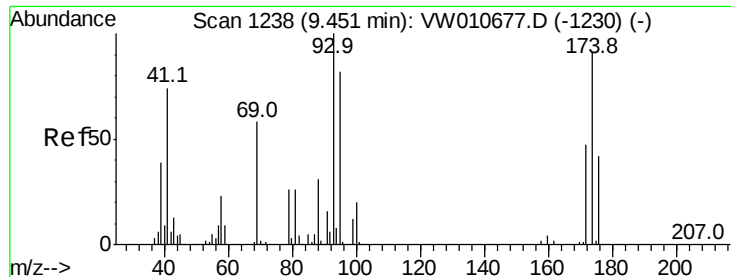
MMDadoda
 6/6/2019 11:51:55 AM



#48
 Methyl methacrylate
 Concen: 60.794 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	134417		
69	65.6		56.6	85.0
39	52.7		44.4	66.6





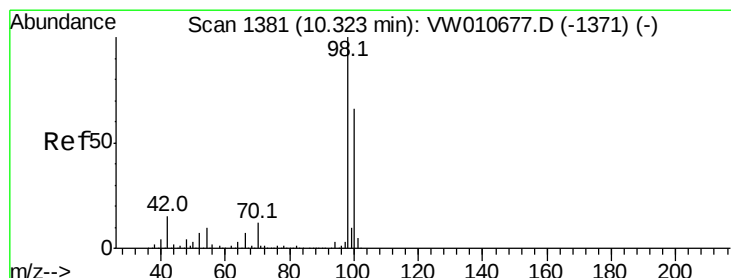
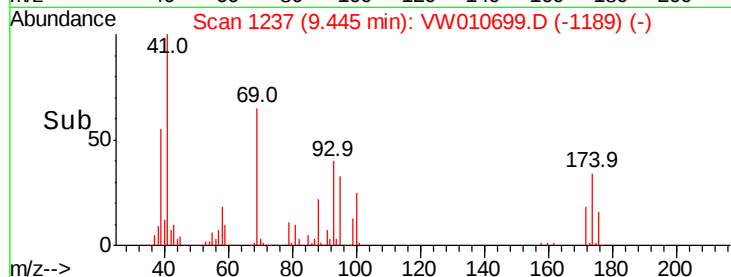
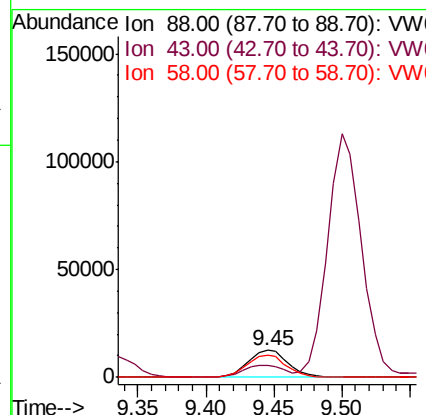
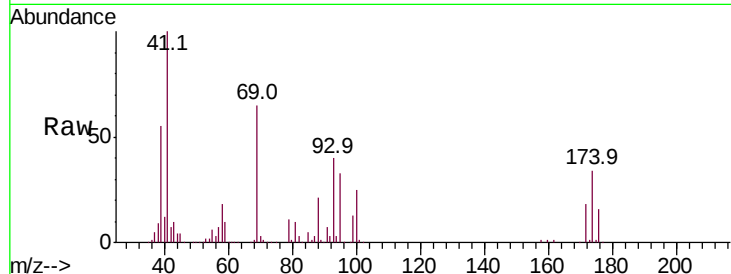
#49
1,4-Dioxane
Concen: 1145.016 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.9	34.2	51.4
58	83.4	69.0	103.4

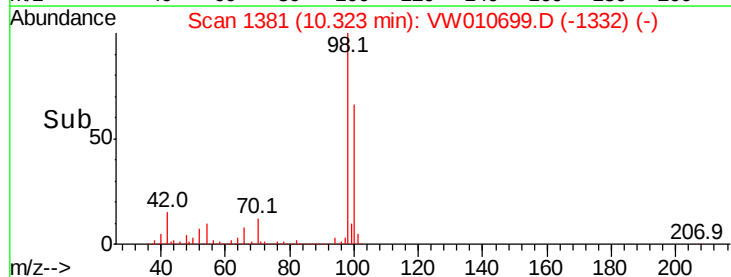
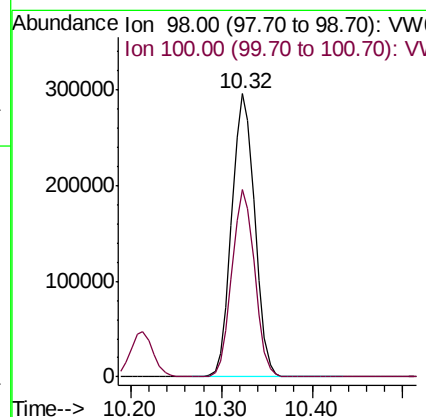
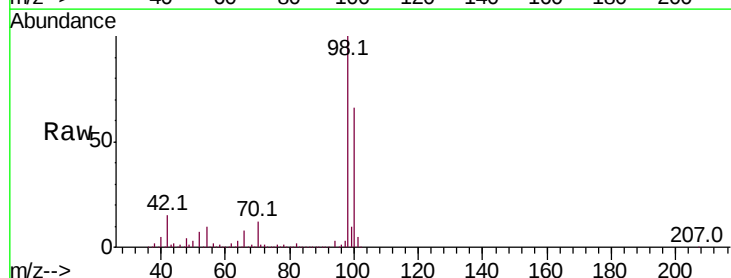
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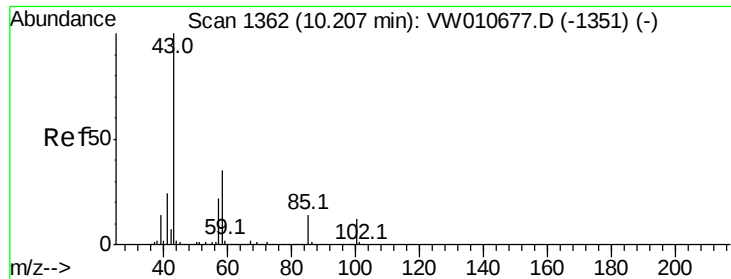
MMDadoda
6/6/2019 11:51:55 AM



#50
Toluene-d8
Concen: 52.253 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 289.128 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 677354

Ion Ratio Lower Upper

43 100

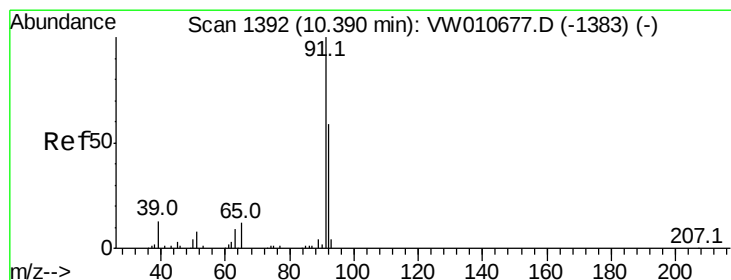
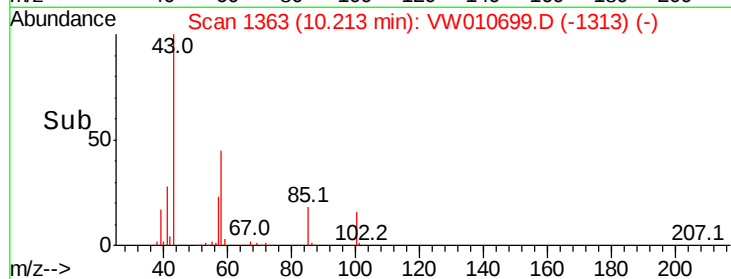
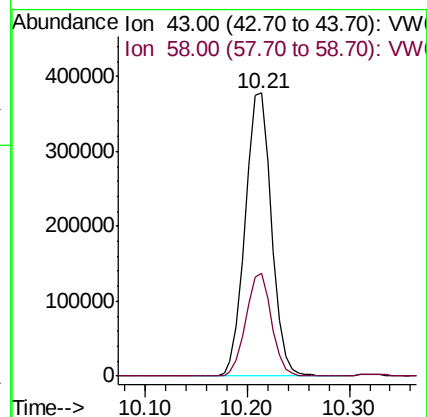
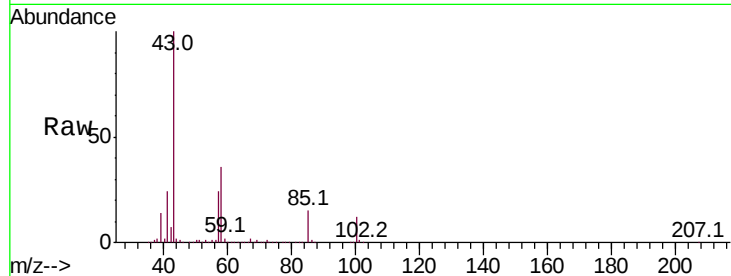
58 35.3 28.4 42.6

Manual Integrations

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MMDadoda

6/6/2019 11:51:55 AM



#52

Toluene

Concen: 51.655 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010699.D

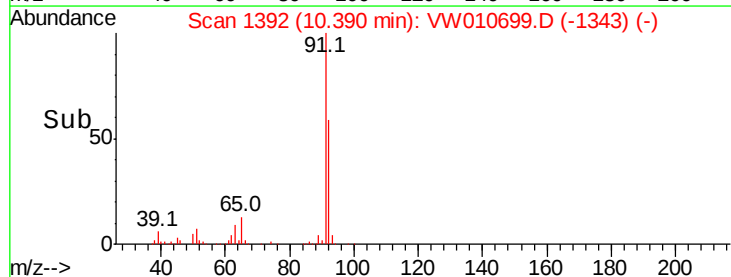
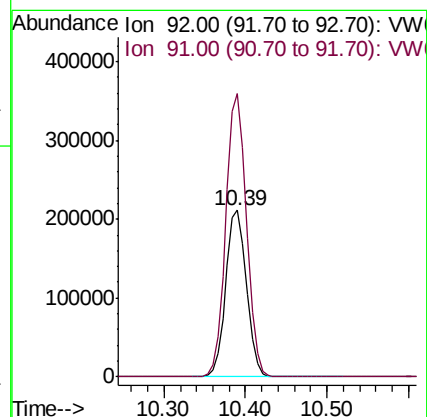
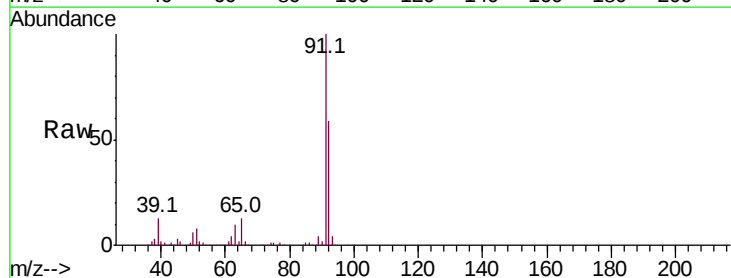
Acq: 05 Jun 2019 18:22

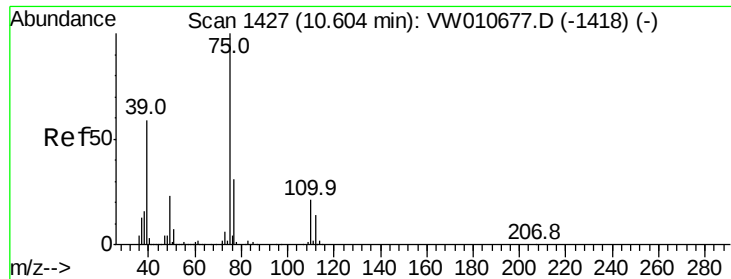
Tgt Ion: 92 Resp: 371398

Ion Ratio Lower Upper

92 100

91 169.8 134.9 202.3





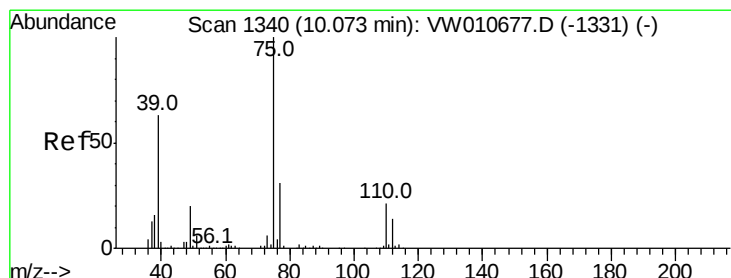
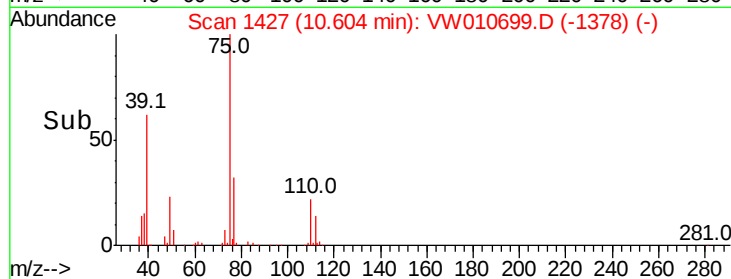
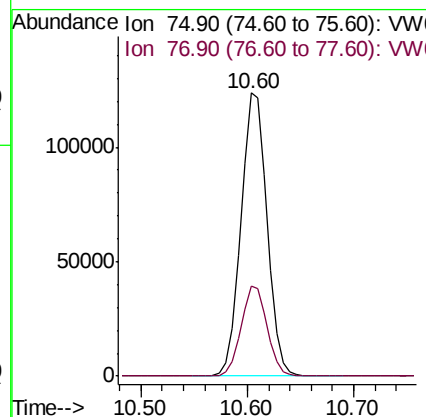
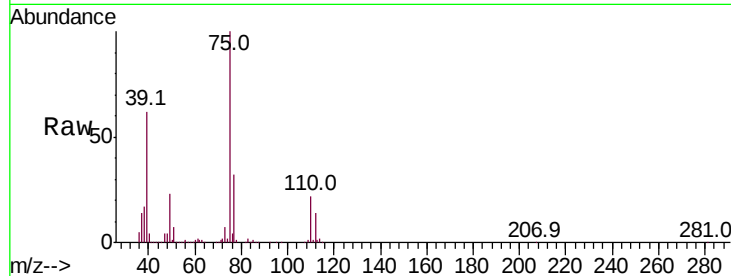
#53
t-1,3-Dichloropropene
Concen: 53.904 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 212642
Ion Ratio Lower Upper
75 100
77 32.0 24.6 36.8

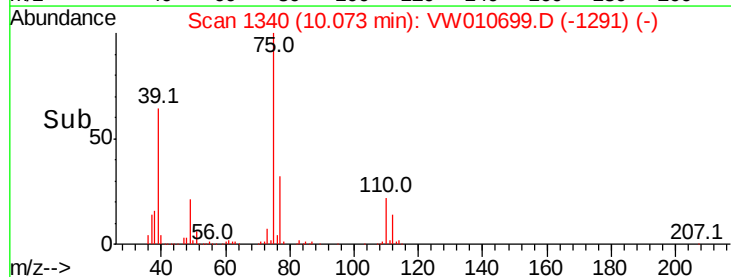
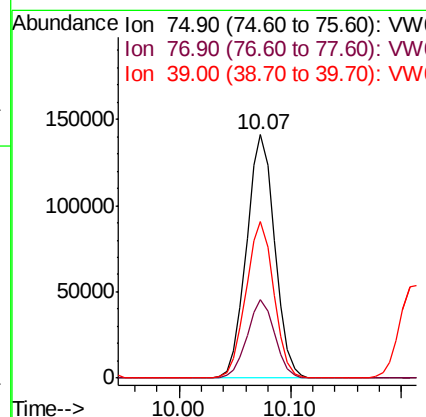
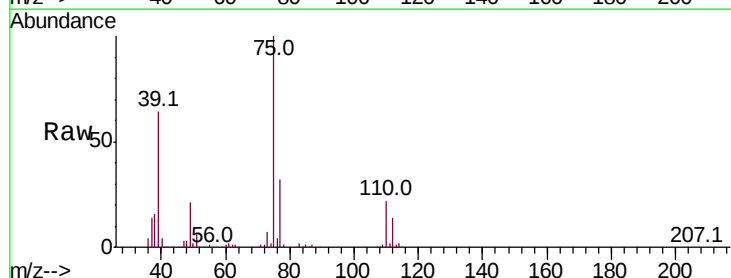
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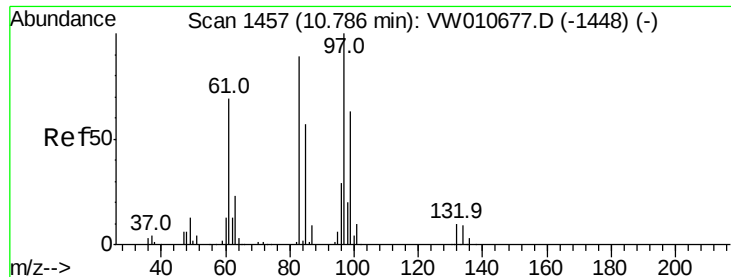
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.296 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion: 75 Resp: 247399
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8
39 64.2 50.1 75.1





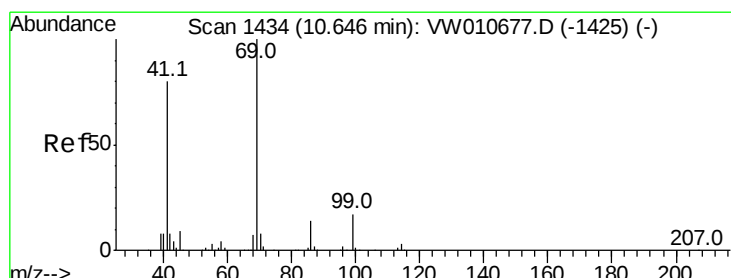
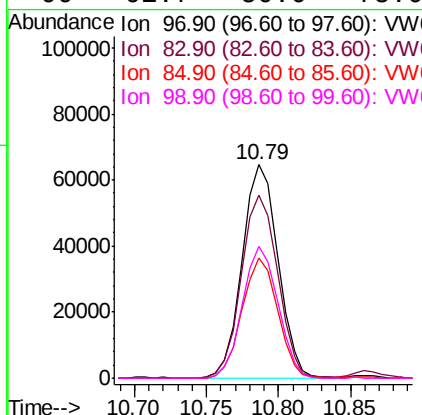
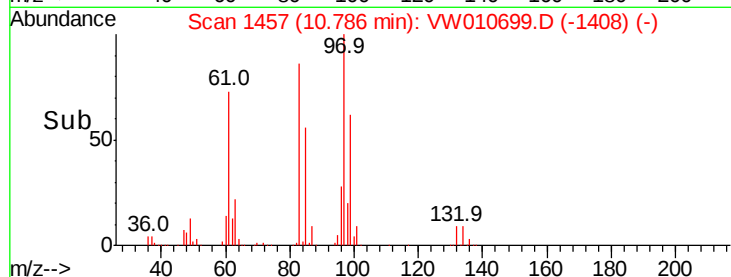
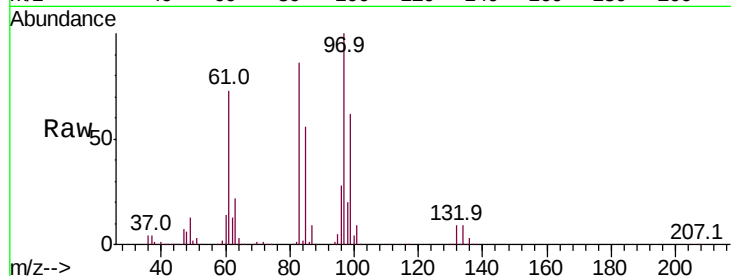
#55
 1,1,2-Trichloroethane
 Concen: 54.003 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	111776
Ion	Ratio	Lower	Upper
97	100		
83	85.6	71.1	106.7
85	56.1	45.2	67.8
99	61.7	50.0	75.0

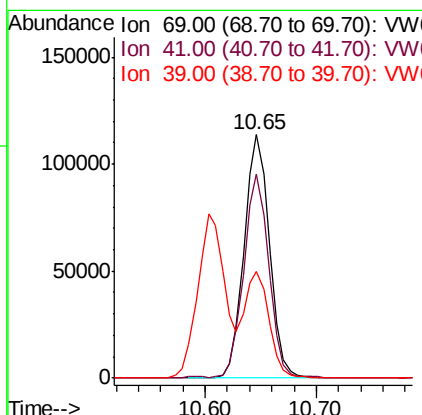
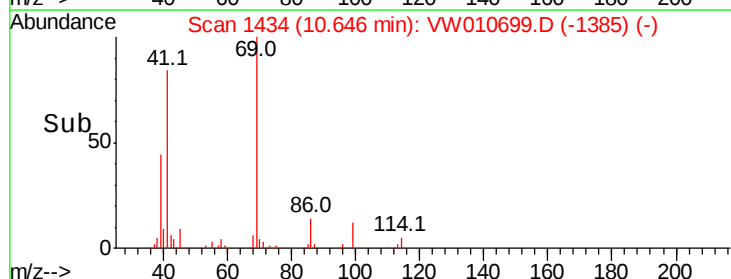
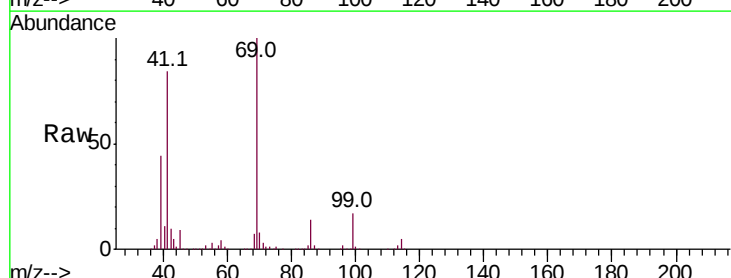
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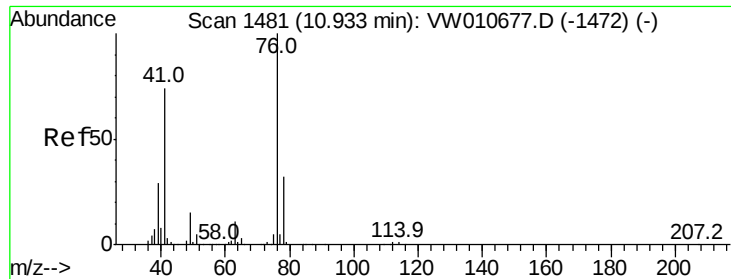
MMDadoda
 6/6/2019 11:51:55 AM



#56
 Ethyl methacrylate
 Concen: 56.469 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion:	69	Resp:	179851
Ion	Ratio	Lower	Upper
69	100		
41	82.1	64.8	97.2
39	41.7	32.2	48.2





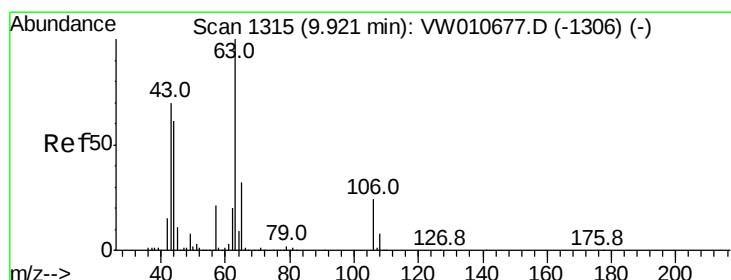
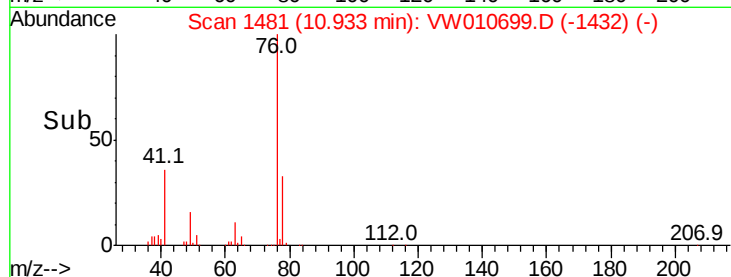
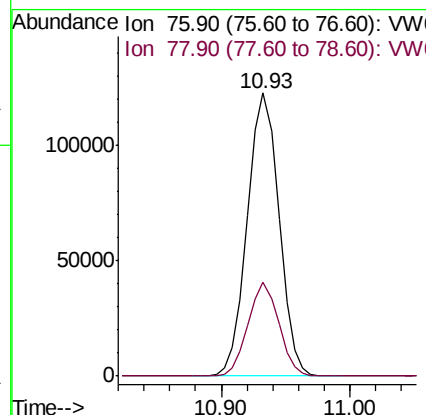
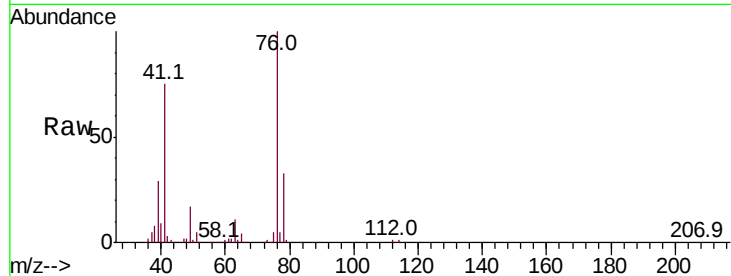
#57
 1,3-Dichloropropane
 Concen: 53.401 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 208301
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

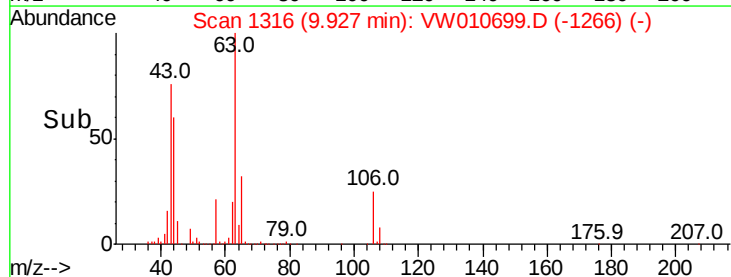
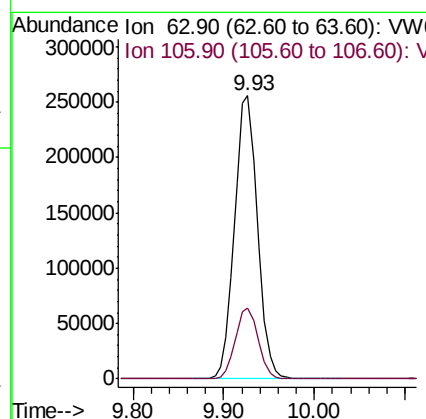
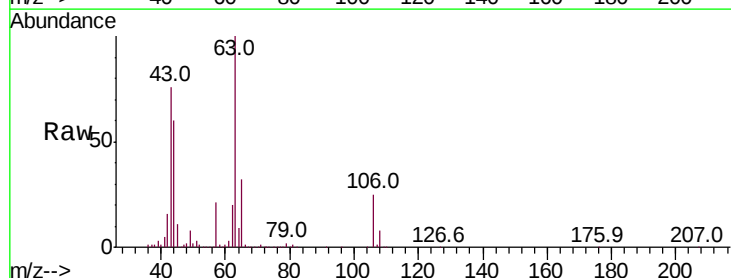
Manual Integrations
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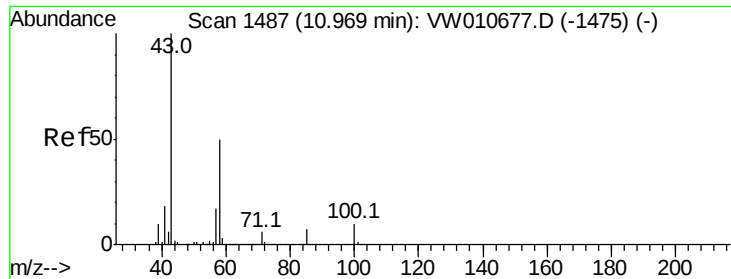
MMDadoda
 6/6/2019 11:51:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.018 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion: 63 Resp: 448774
 Ion Ratio Lower Upper
 63 100
 106 24.9 20.1 30.1





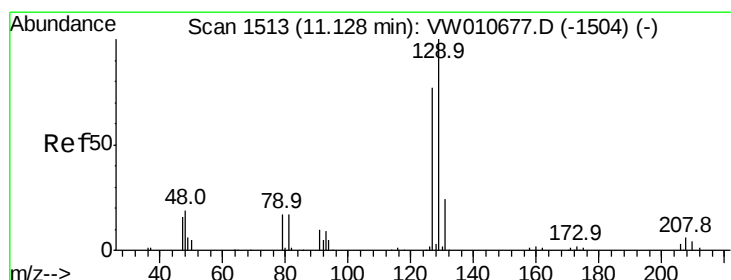
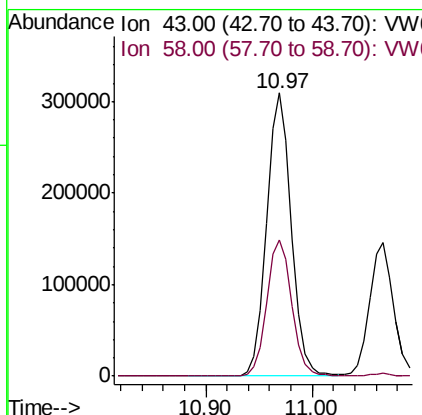
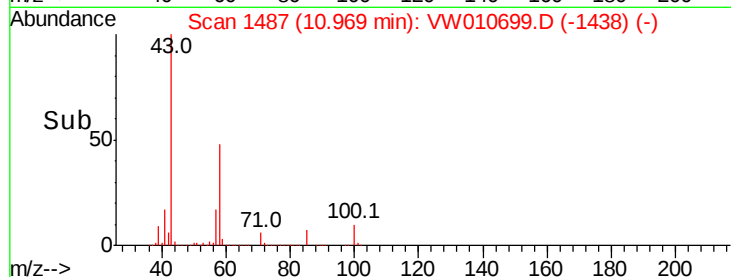
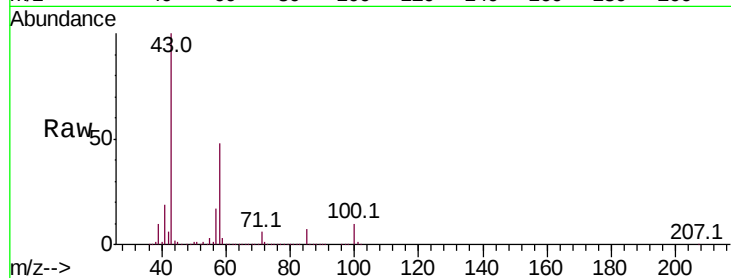
#59
2-Hexanone
Concen: 294.397 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 498461
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

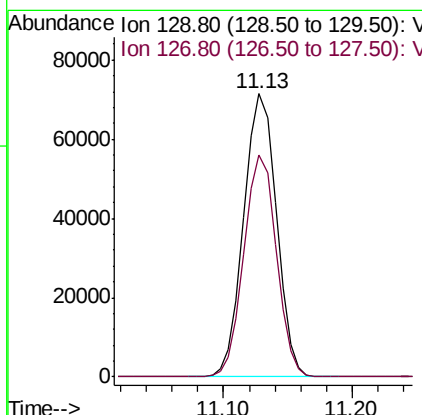
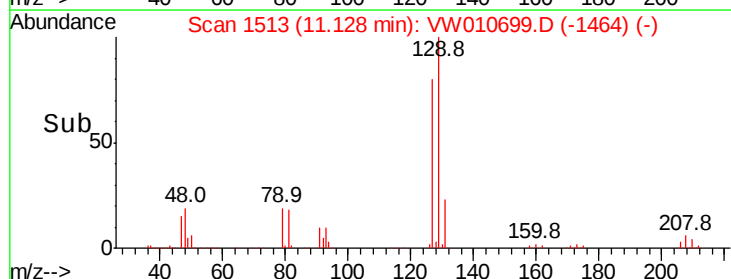
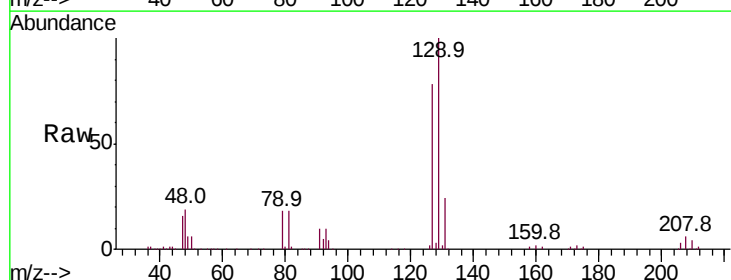
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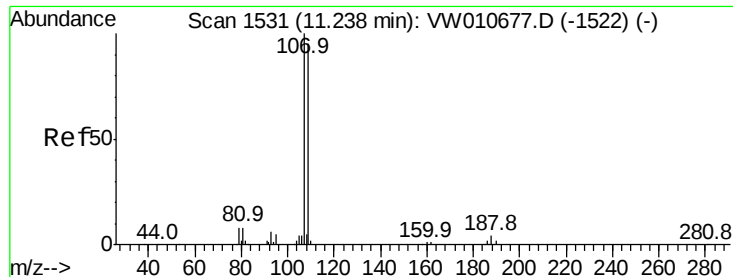
MMDadoda
6/6/2019 11:51:55 AM



#60
Dibromochloromethane
Concen: 54.871 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion: 129 Resp: 125901
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





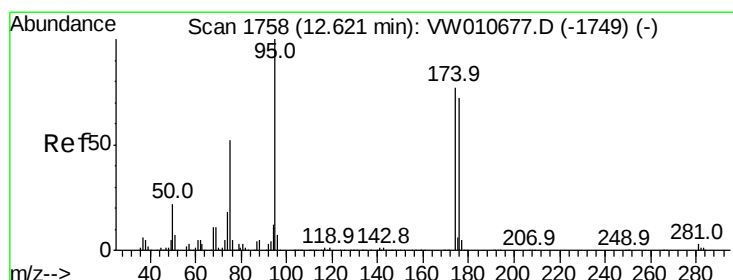
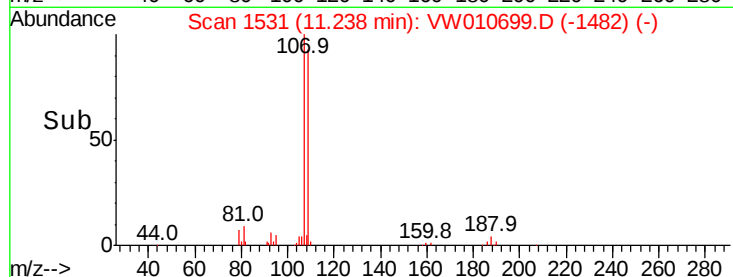
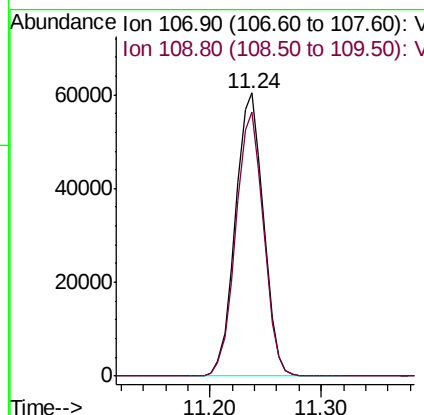
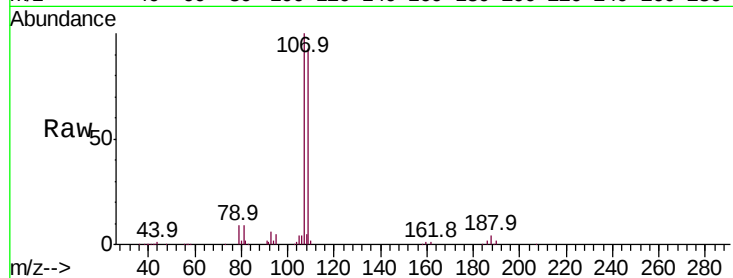
#61
 1,2-Dibromoethane
 Concen: 53.684 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	105279		
109	92.5	75.8	113.8	

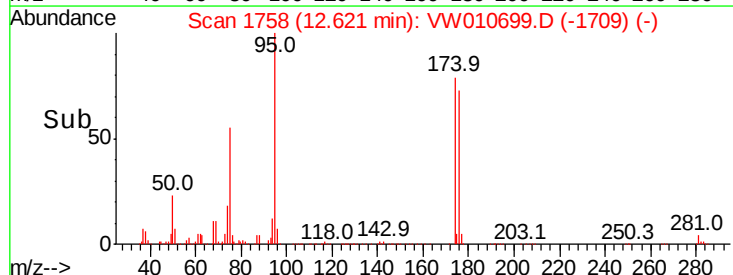
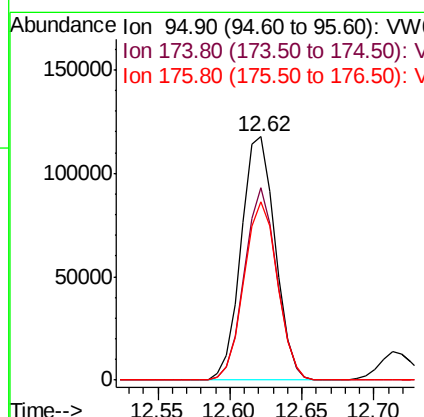
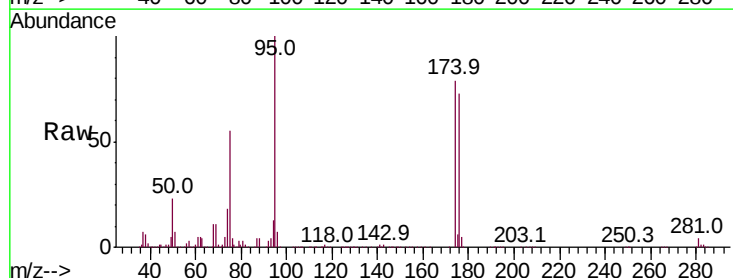
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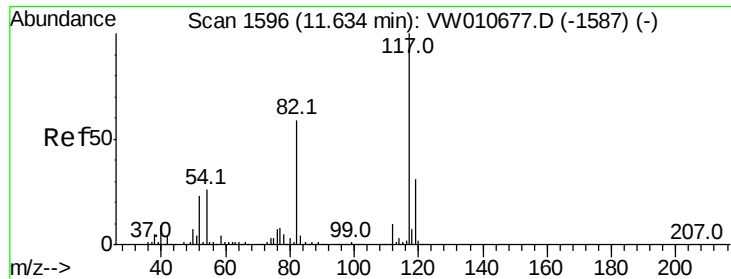
MMDadoda
 6/6/2019 11:51:55 AM



#62
 4-Bromofluorobenzene
 Concen: 53.428 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	193643		
174	74.8	0.0	150.4	
176	71.8	0.0	144.8	





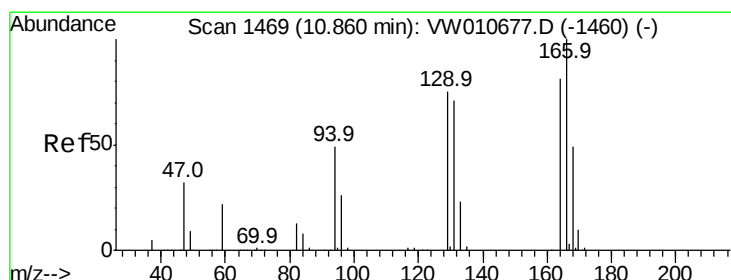
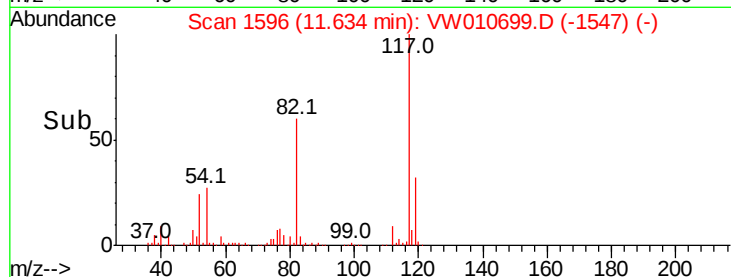
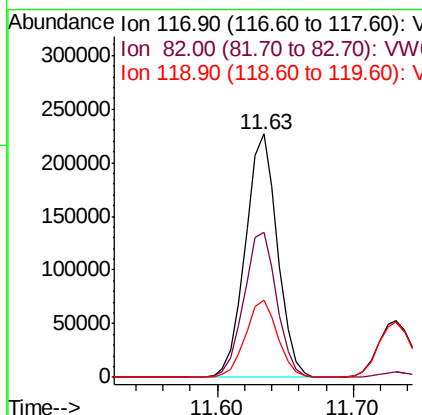
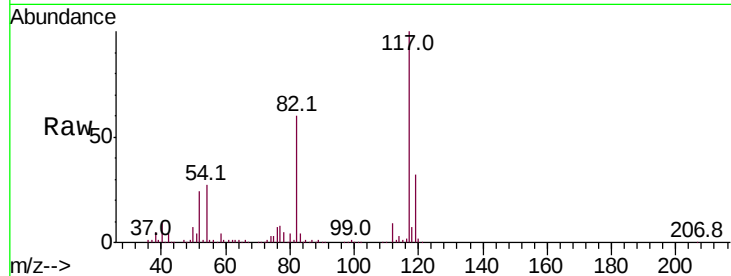
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.0	70.4
119	31.9	25.1	37.7

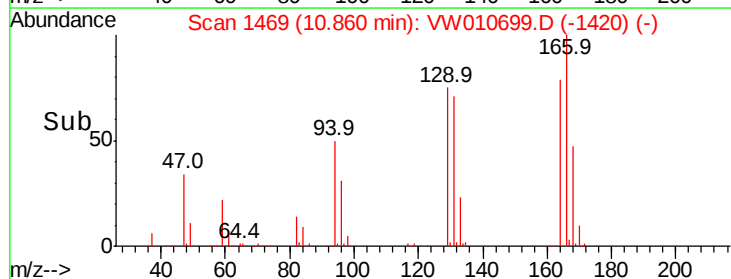
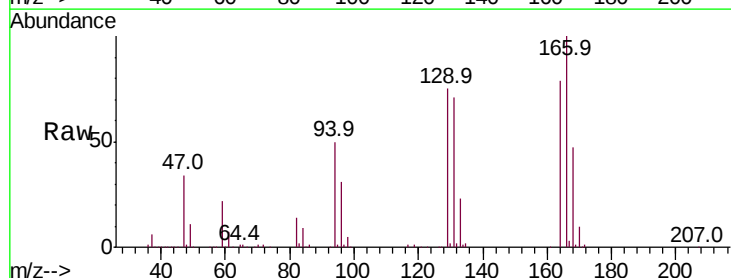
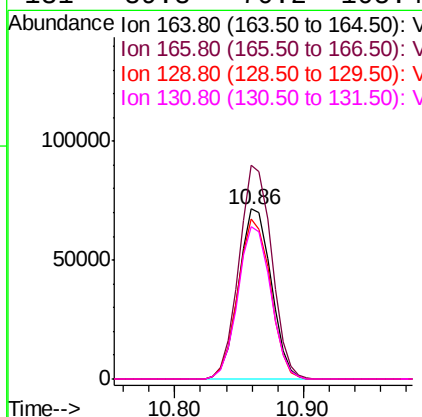
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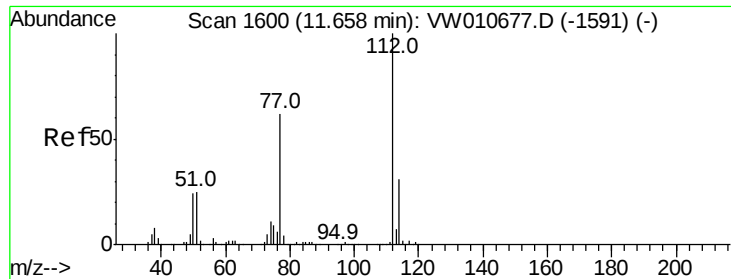
MMDadoda
6/6/2019 11:51:55 AM



#64
Tetrachloroethene
Concen: 50.437 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	99.2	148.8
129	94.1	74.6	112.0
131	89.8	70.2	105.4





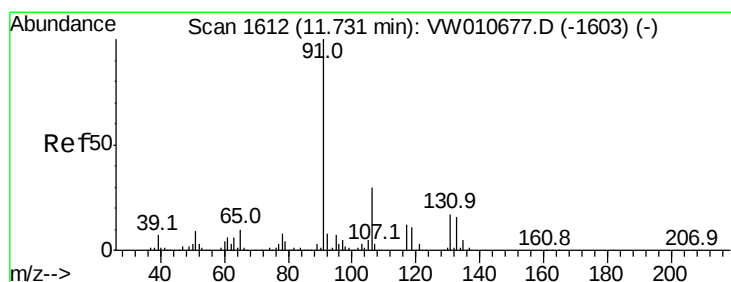
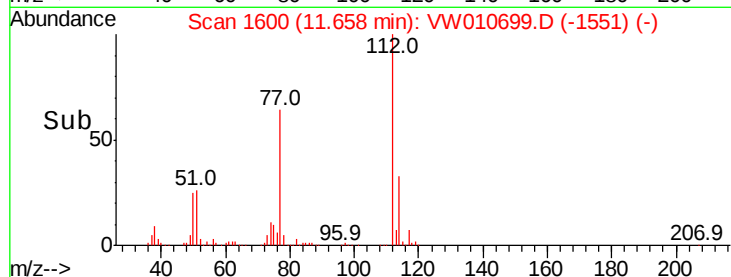
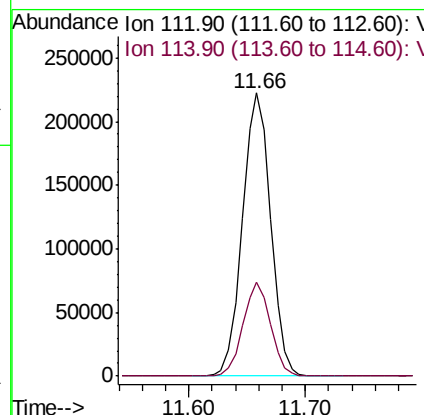
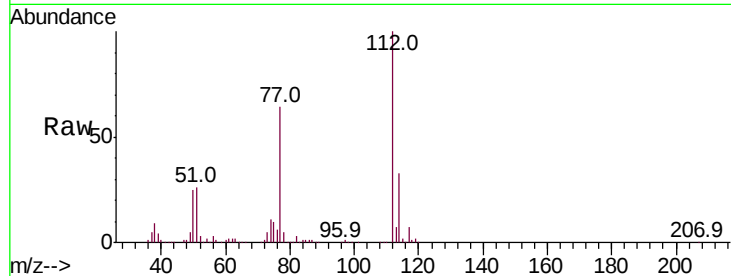
#65
Chlorobenzene
Concen: 51.006 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	24.8	37.2

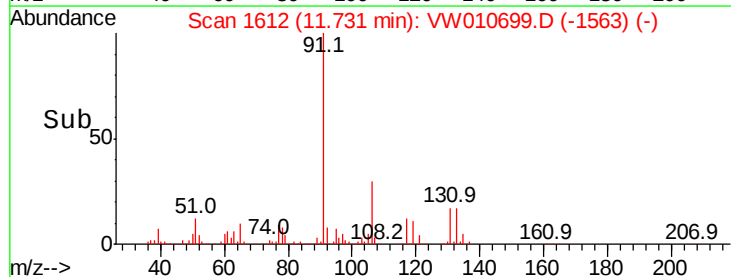
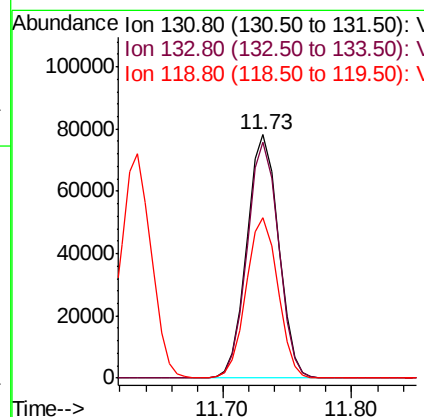
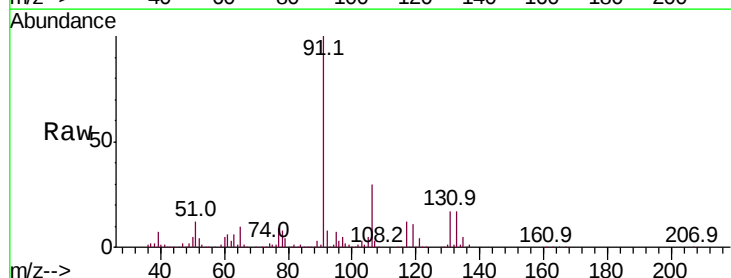
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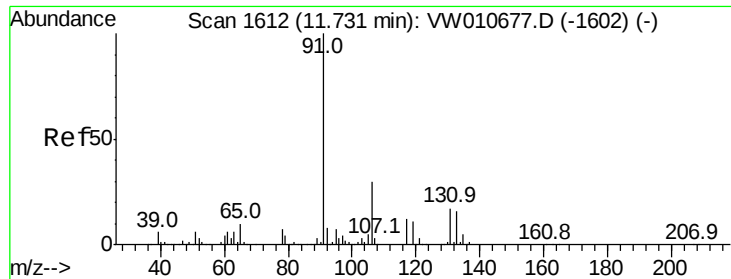
MMDadoda
6/6/2019 11:51:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.122 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.3	141.9
119	66.1	32.4	97.0





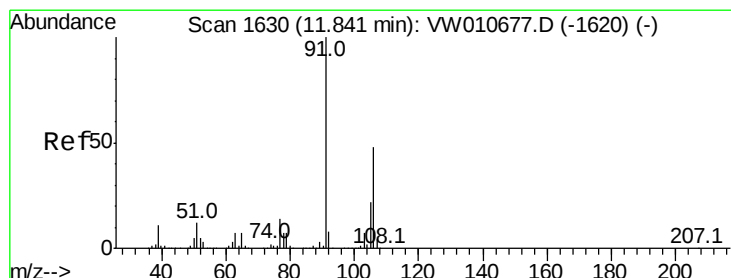
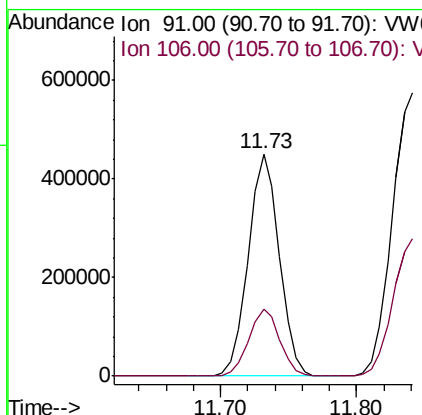
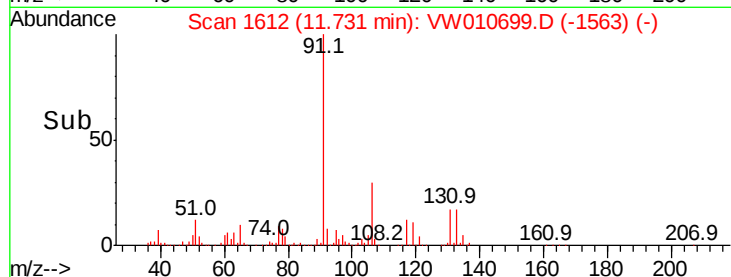
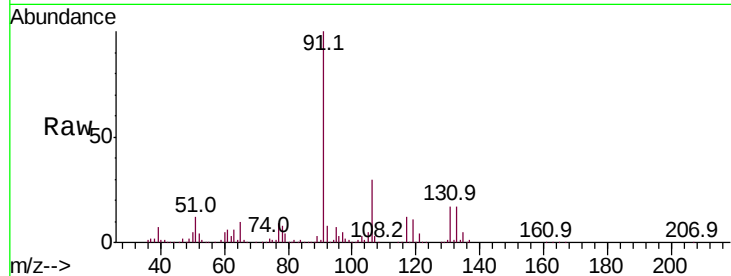
#67
Ethyl Benzene
Concen: 51.140 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 722871
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4

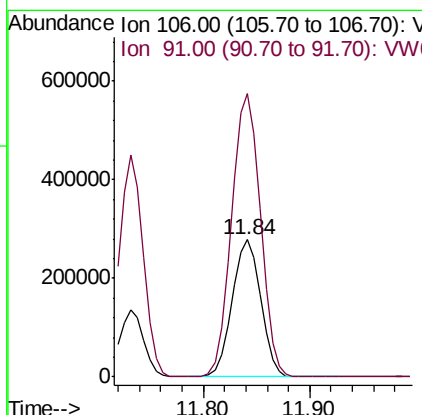
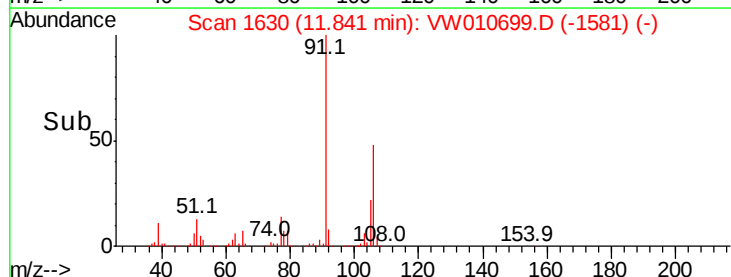
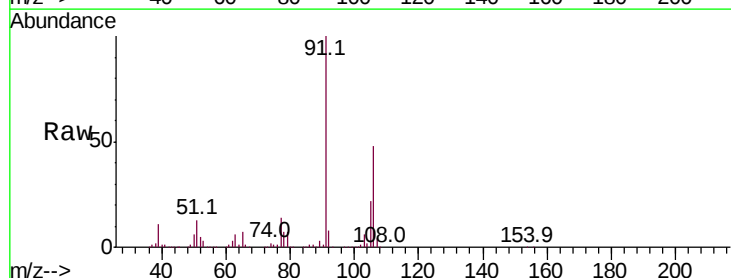
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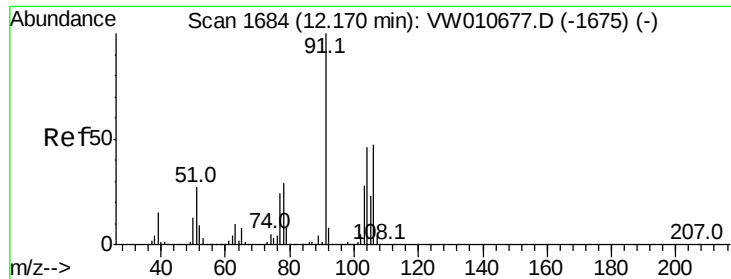
MMDadoda
6/6/2019 11:51:55 AM



#68
m/p-Xylenes
Concen: 103.526 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion: 106 Resp: 523837
Ion Ratio Lower Upper
106 100
91 208.8 166.5 249.7





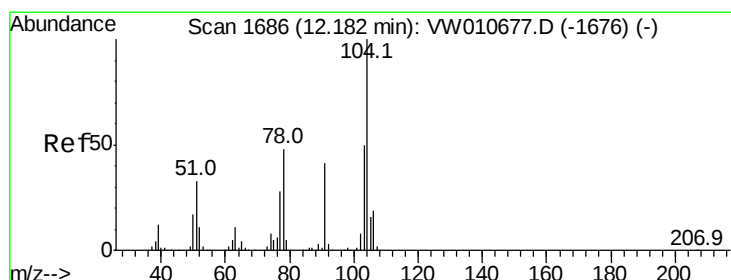
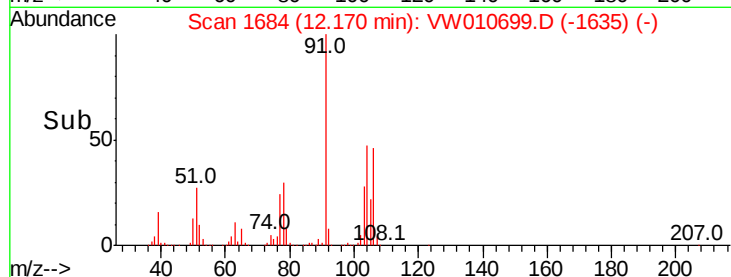
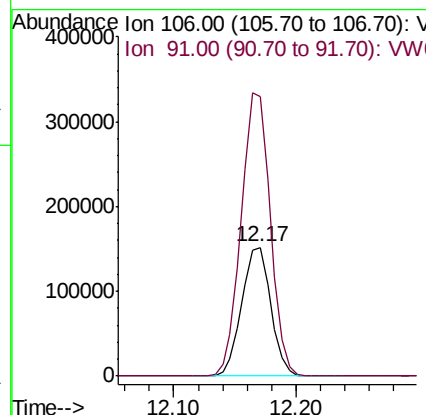
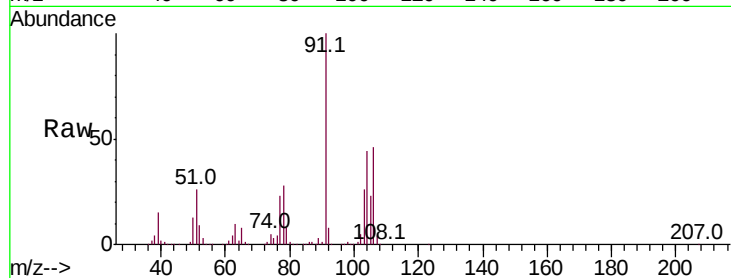
#69
o-Xylene
Concen: 52.034 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.4	108.9	326.6

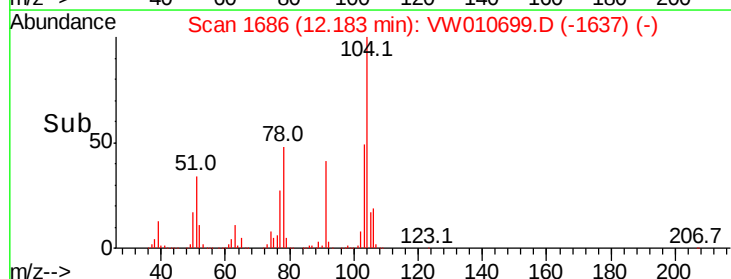
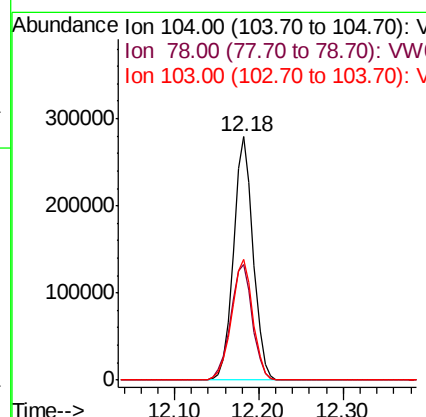
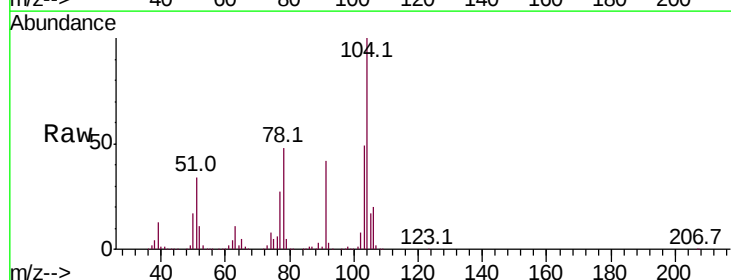
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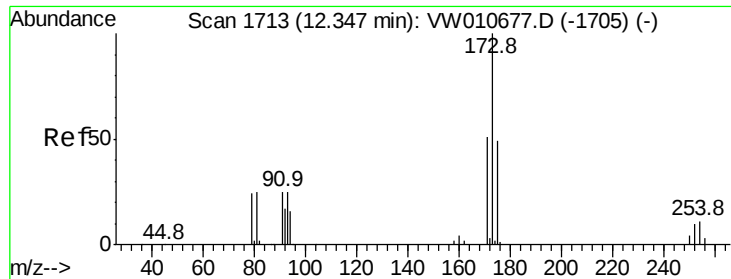
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#70
Styrene
Concen: 53.021 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.7	64.1
103	53.9	43.6	65.4





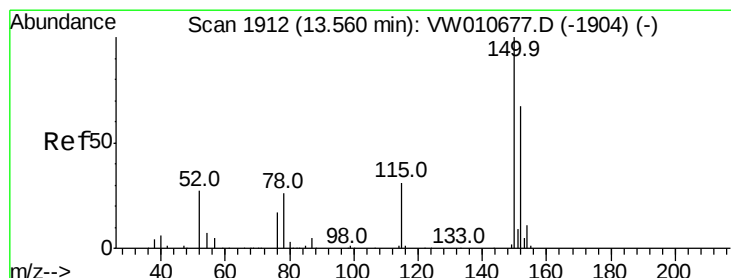
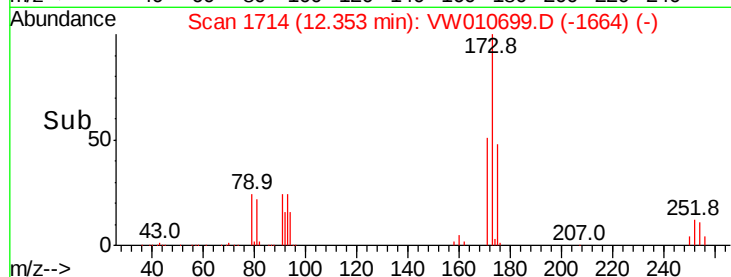
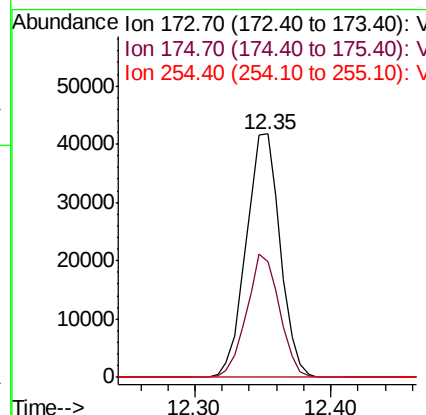
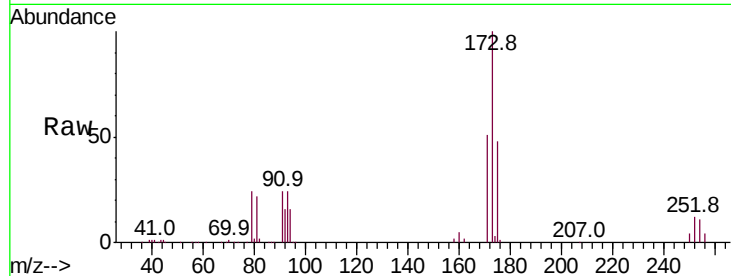
#71
Bromoform
Concen: 55.610 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.1	0.1	0.1

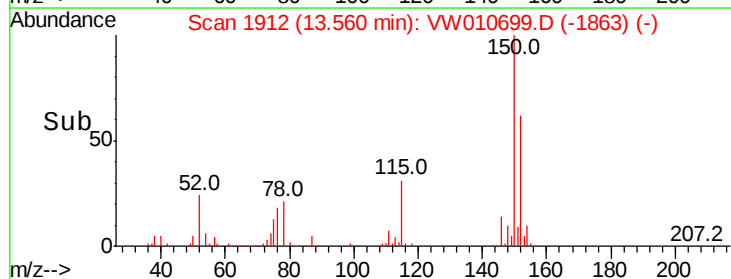
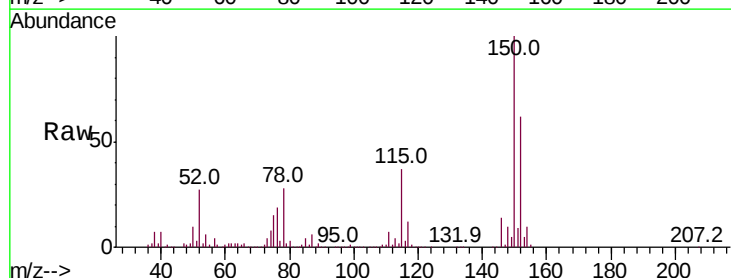
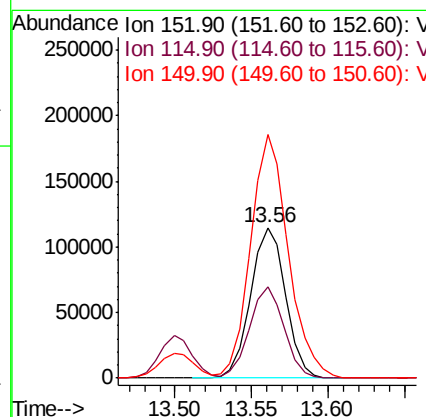
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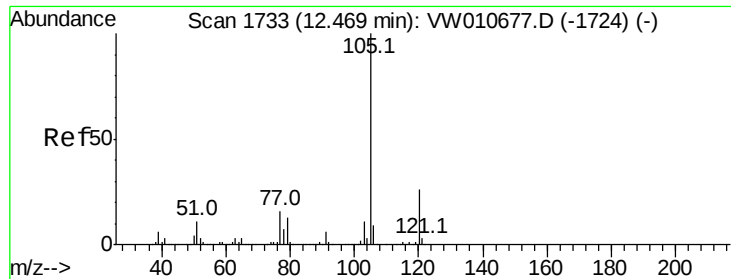
MMDadoda
6/6/2019 11:51:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.8	89.3
150	174.2	0.0	345.0





#73

Isopropylbenzene

Concen: 50.537 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 693075

Ion Ratio Lower Upper

105 100

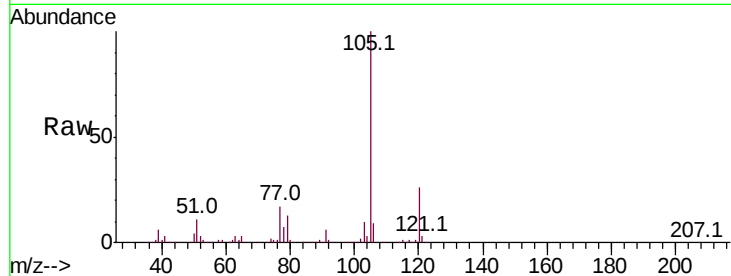
120 25.5 13.1 39.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

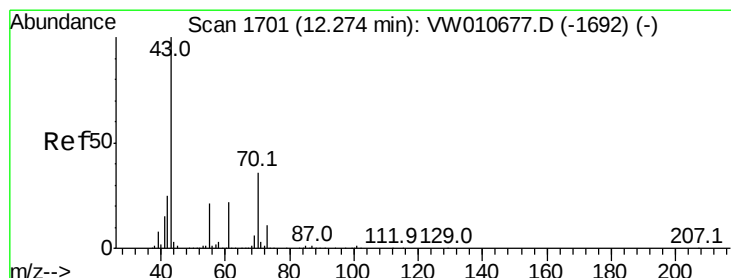
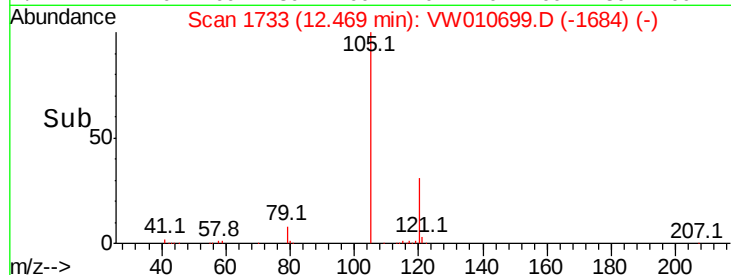
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 56.592 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion: 43 Resp: 250829

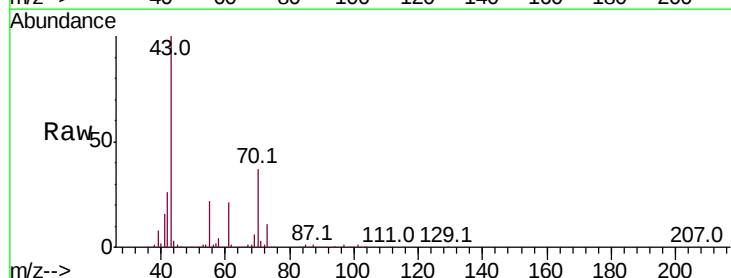
Ion Ratio Lower Upper

43 100

70 36.1 29.2 43.8

55 22.0 17.5 26.3

61 21.6 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

250000

200000

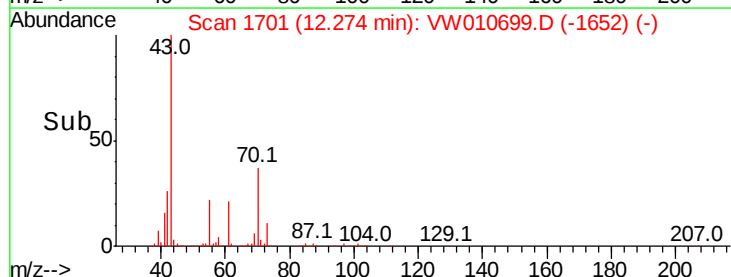
150000

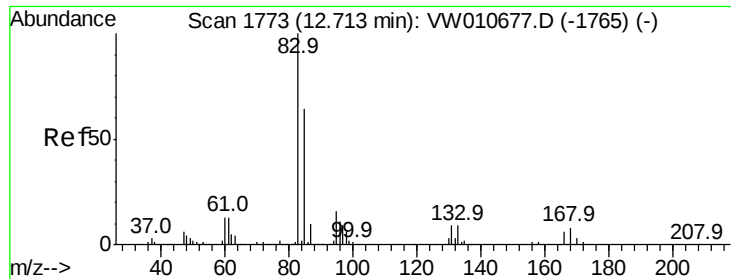
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.754 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

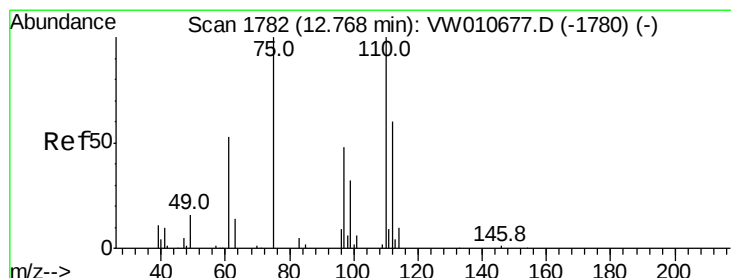
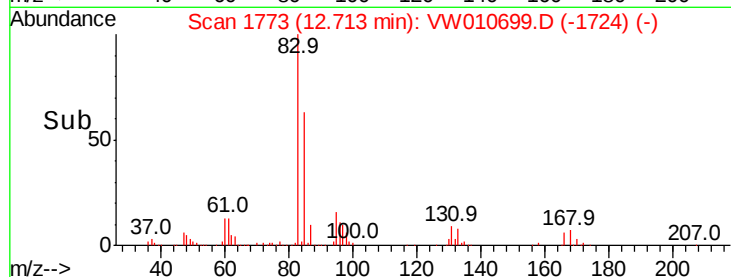
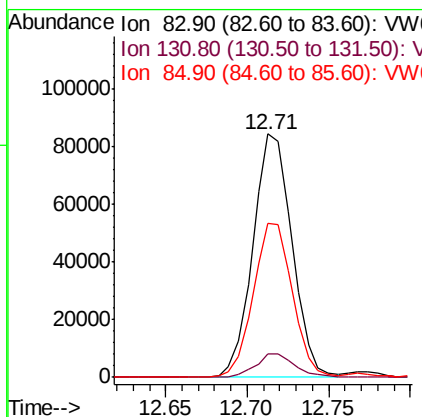
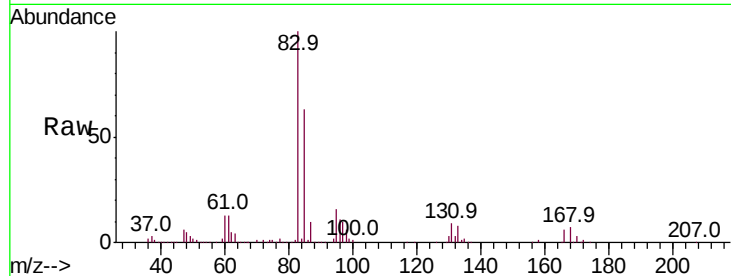
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	140340
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.5	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.379 ug/l m

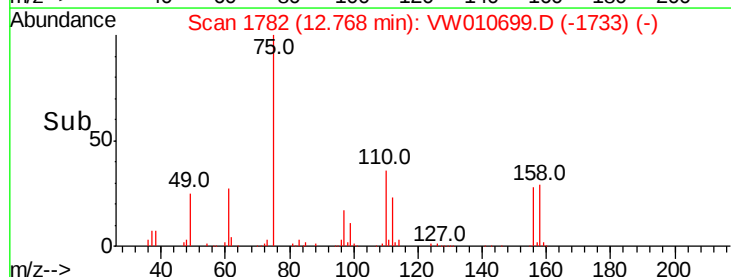
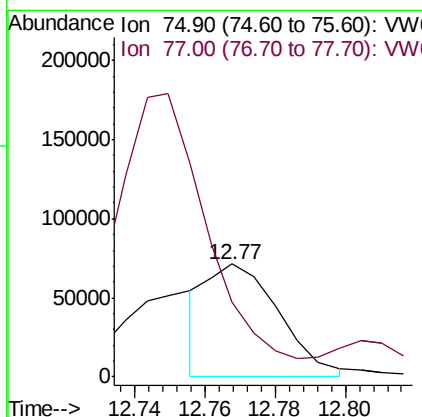
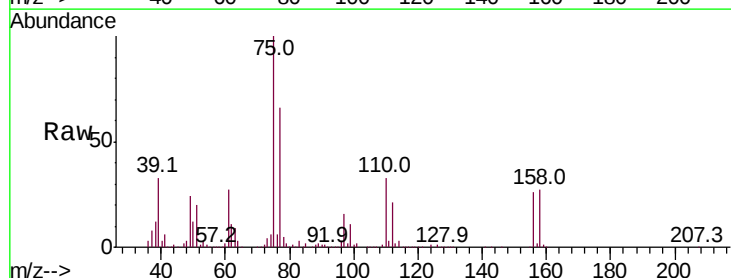
RT: 12.77 min Scan# 1782

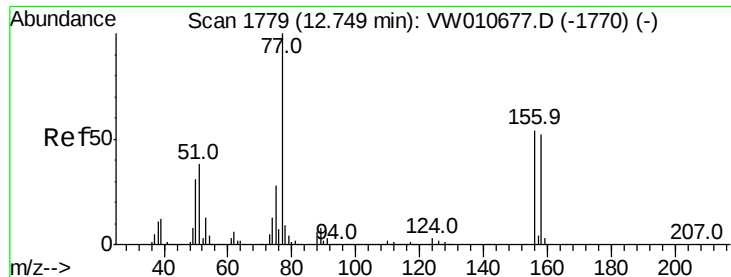
Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion:	75	Resp:	102300
Ion Ratio	Lower	Upper	
75	100		
77	324.1	0.0	0.0#





#77

Bromobenzene

Concen: 51.065 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

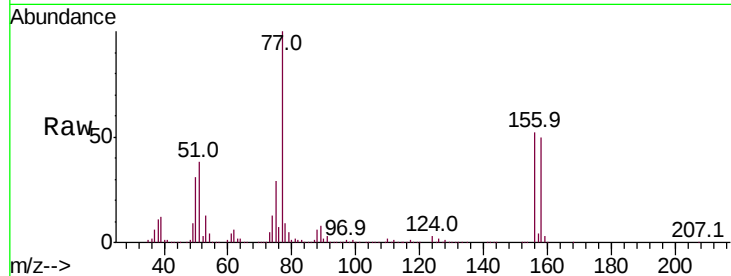
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	152866
Ion Ratio	Lower	Upper	
156	100		
77	216.9	106.5	319.4
158	96.9	48.3	144.9

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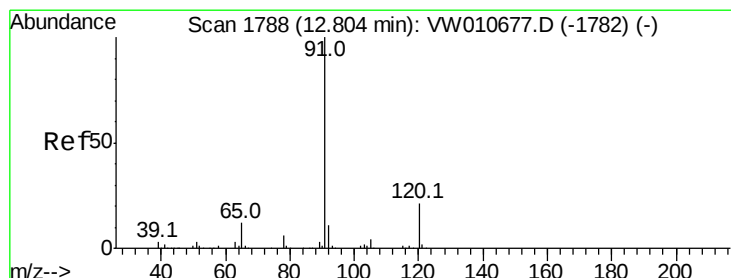
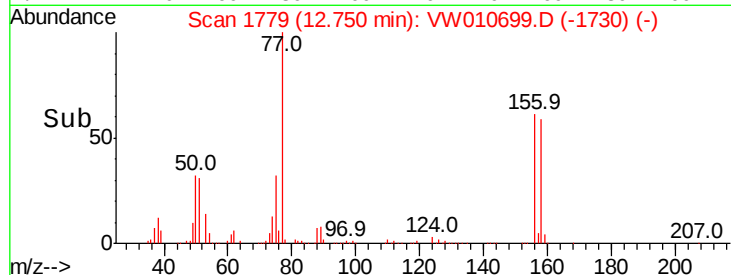
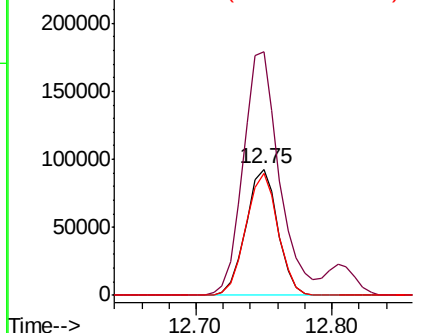


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.817 ug/l

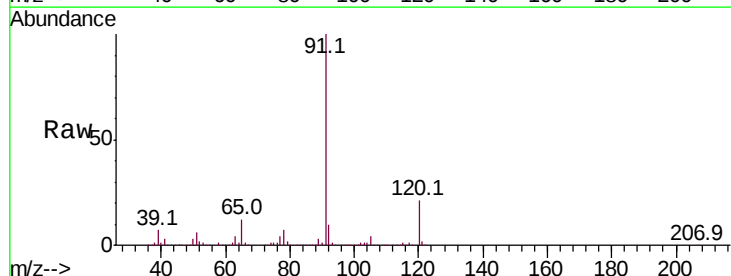
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

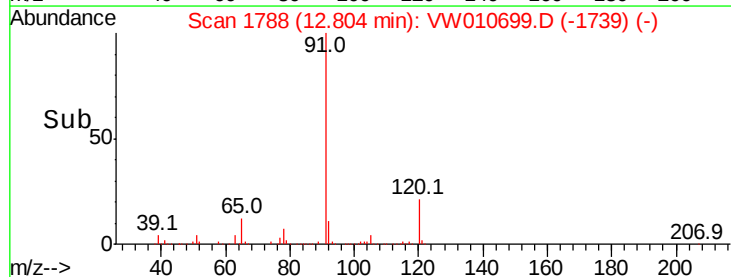
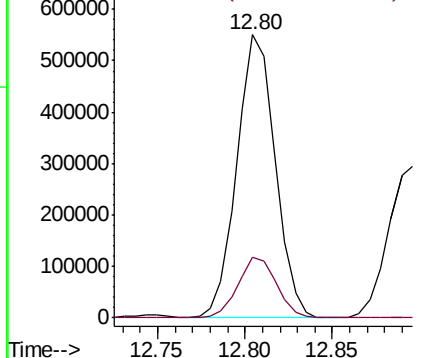
Tgt Ion:	91	Resp:	840345
Ion Ratio	Lower	Upper	
91	100		
120	21.5	10.8	32.4

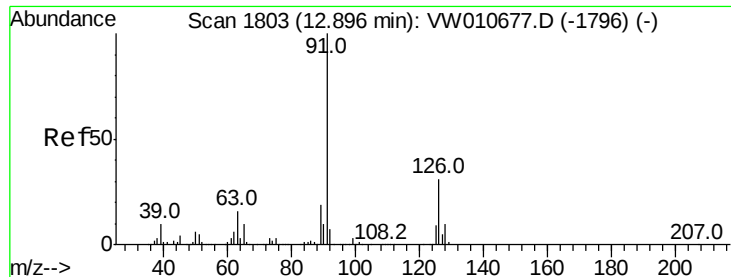


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





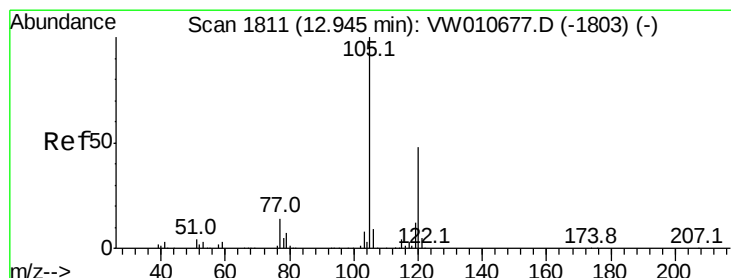
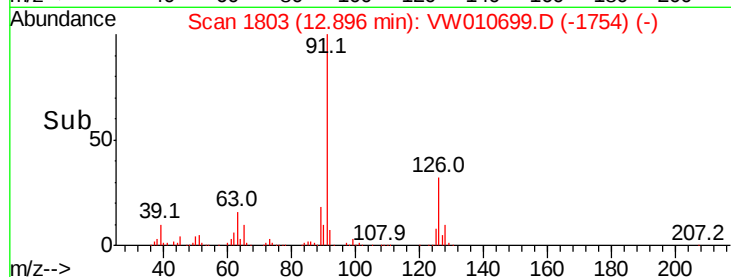
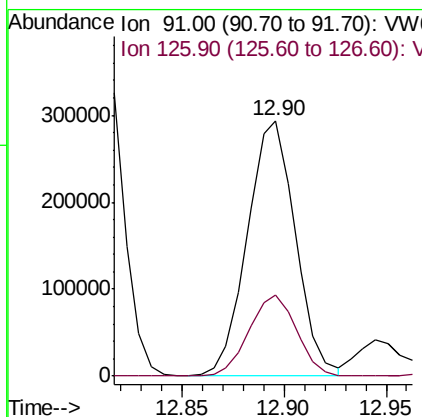
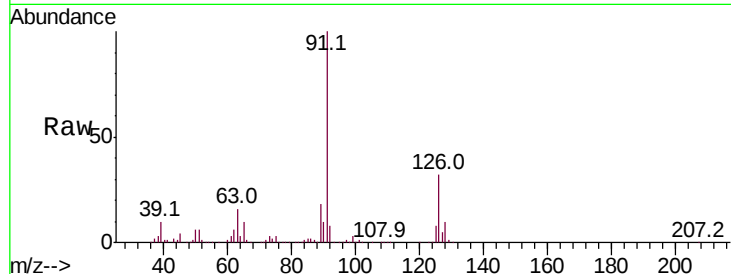
#79
2-Chlorotoluene
Concen: 50.963 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 481478
Ion Ratio Lower Upper
91 100
126 31.6 15.7 47.0

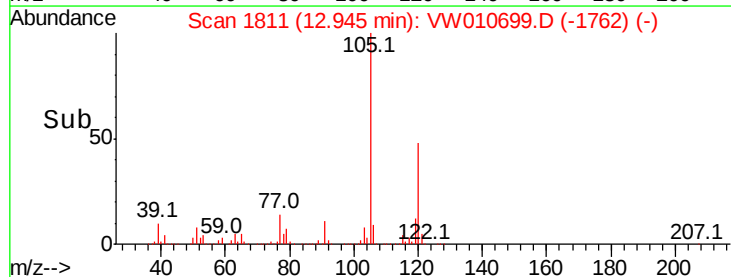
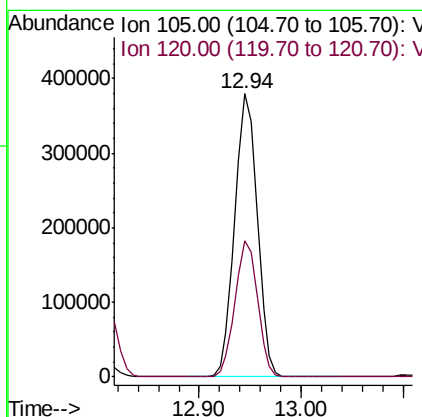
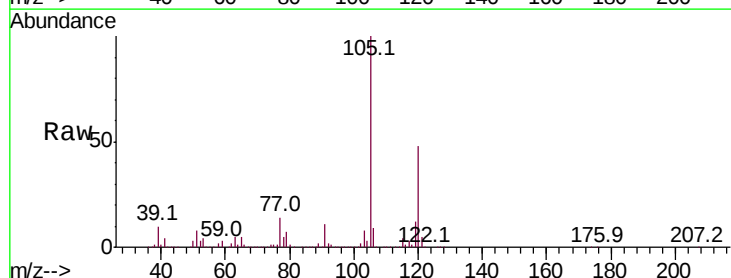
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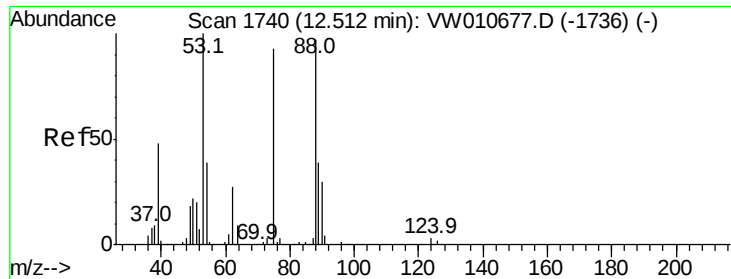
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#80
1,3,5-Trimethylbenzene
Concen: 51.628 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion:105 Resp: 579540
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 55.279 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

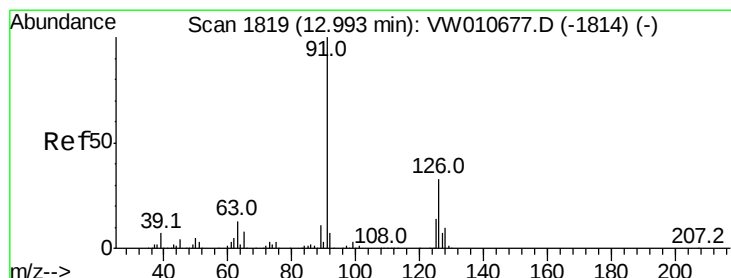
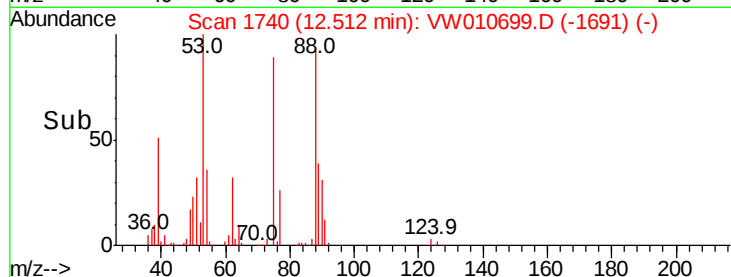
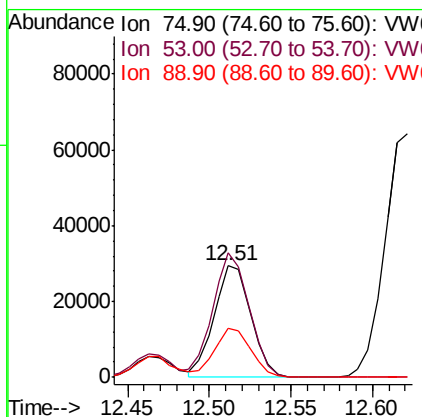
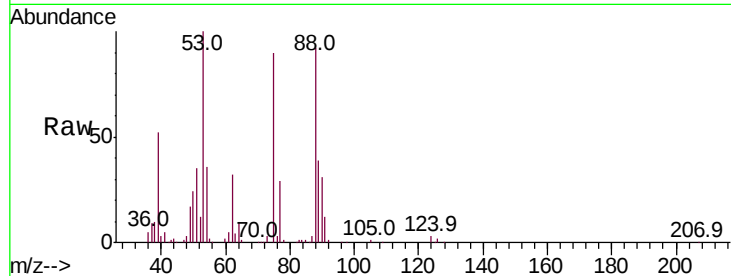
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	46095
Ion	Ratio	Lower	Upper
75	100		
53	113.0	90.1	135.1
89	43.8	34.6	52.0

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#82

4-Chlorotoluene

Concen: 51.275 ug/l

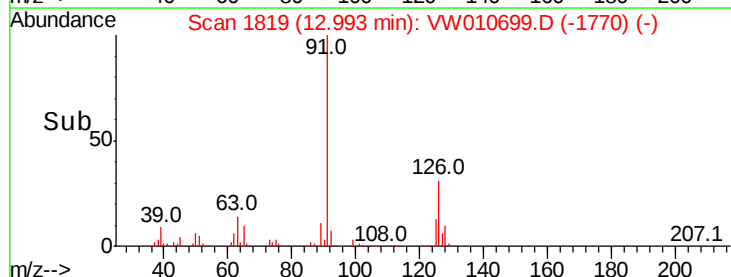
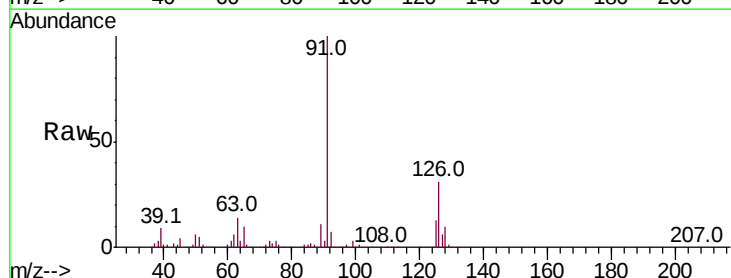
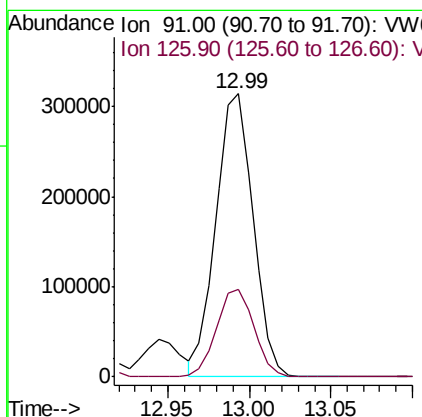
RT: 12.99 min Scan# 1819

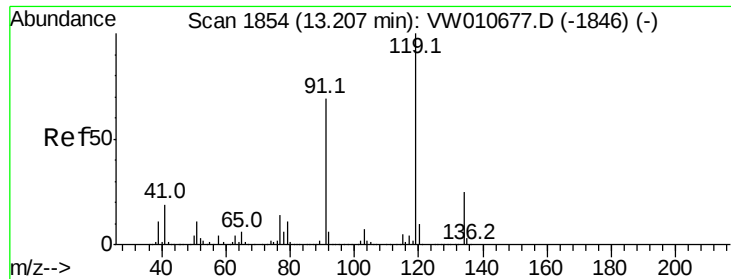
Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion:	91	Resp:	499910
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.7





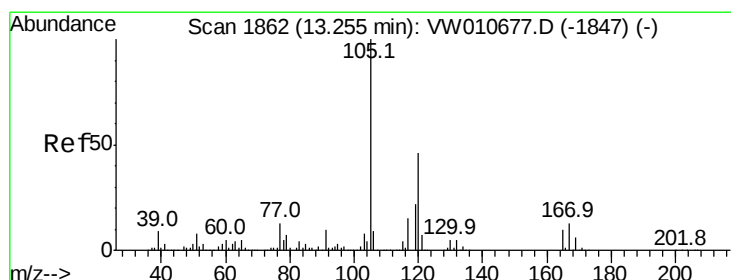
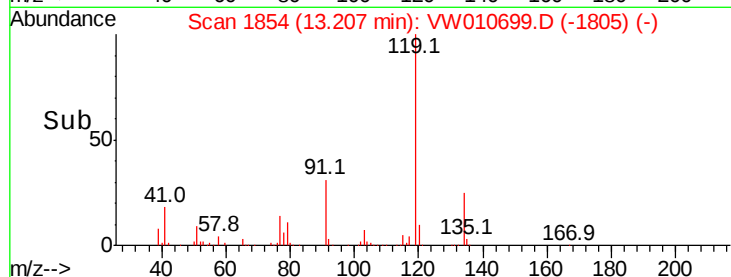
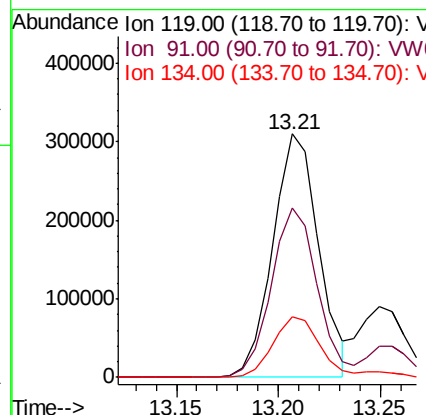
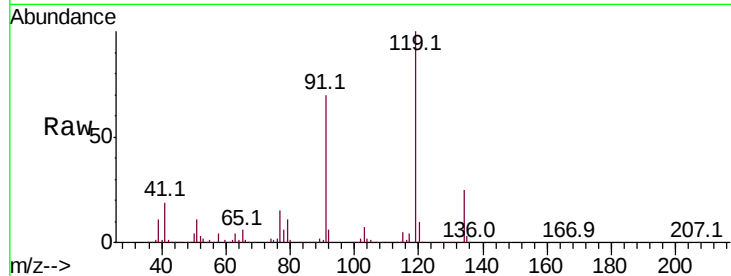
#83
tert-Butylbenzene
Concen: 51.016 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	35.1	105.3
134	27.0	13.6	40.7

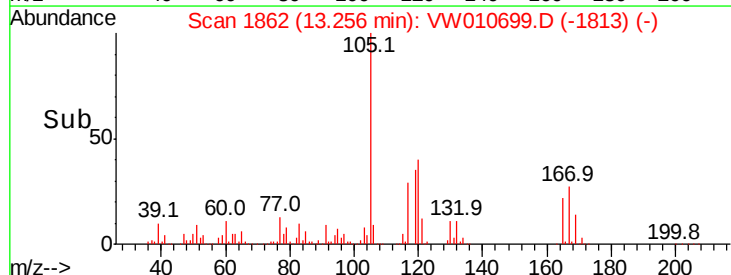
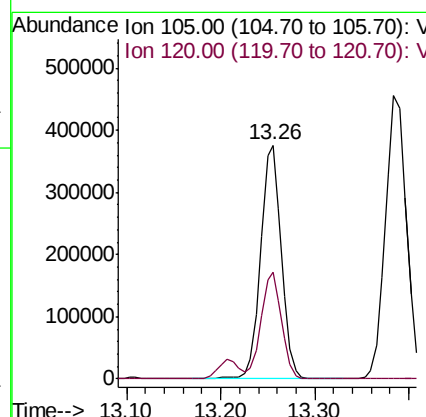
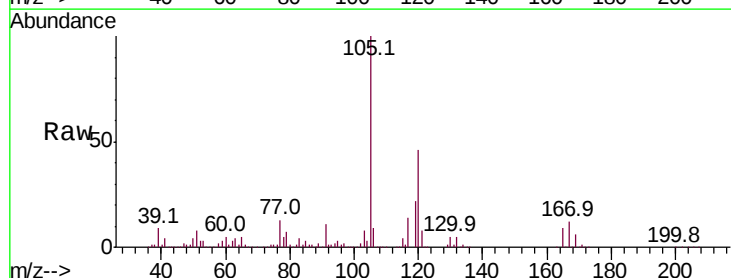
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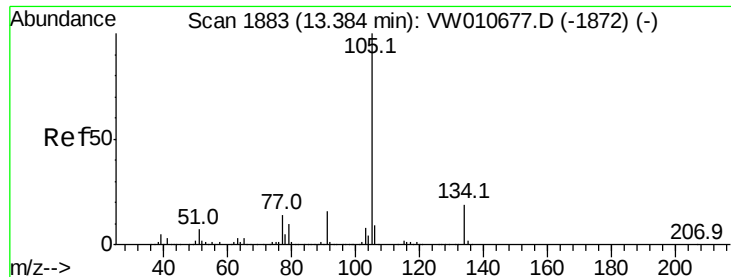
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#84
1,2,4-Trimethylbenzene
Concen: 51.604 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5





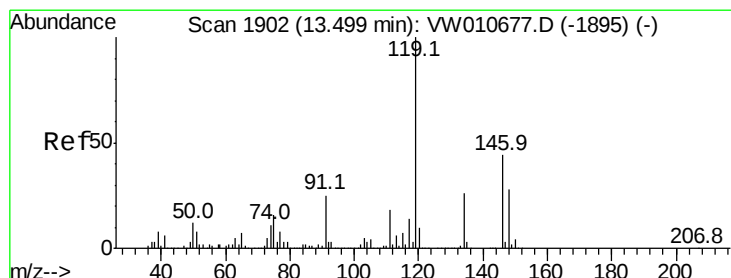
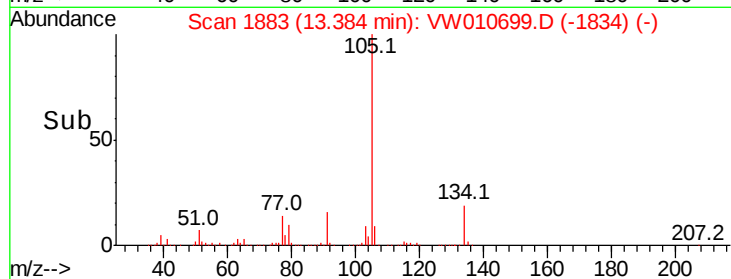
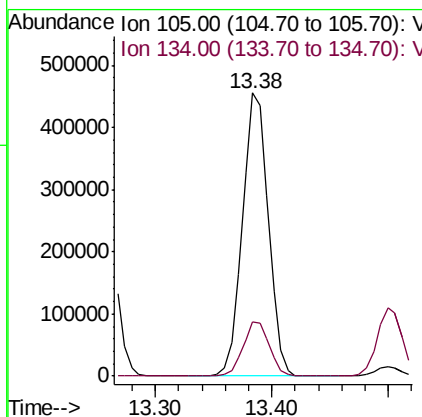
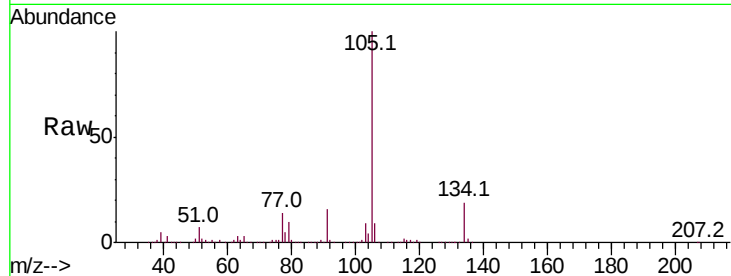
#85
 sec-Butylbenzene
 Concen: 51.048 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	28.9

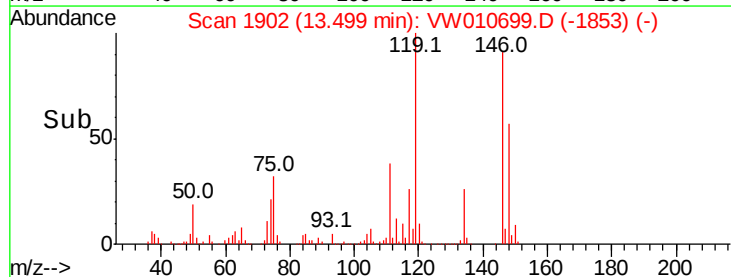
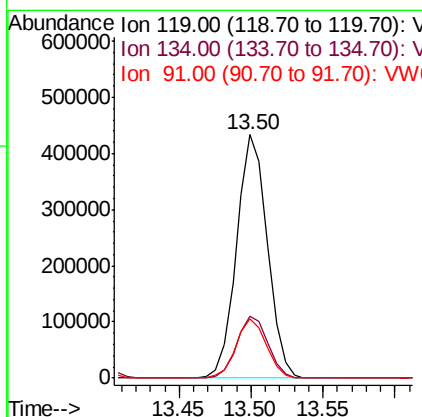
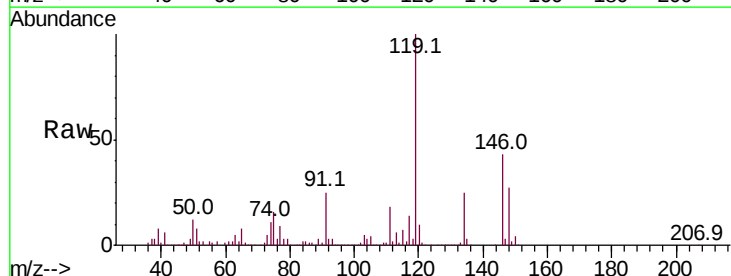
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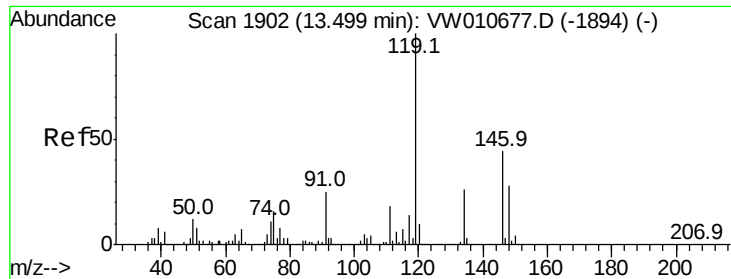
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#86
 p-Isopropyltoluene
 Concen: 51.700 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	24.3	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 51.175 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

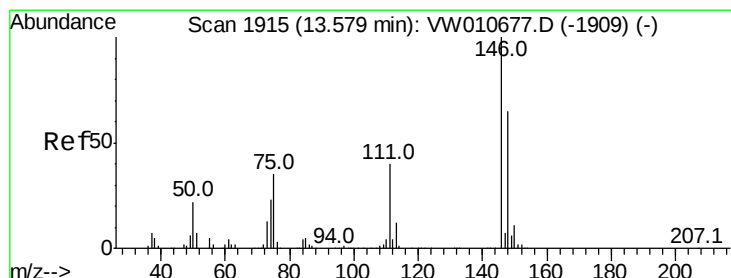
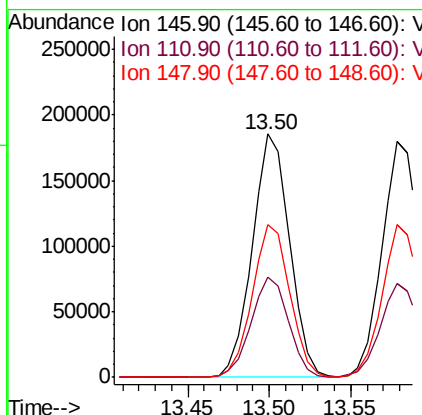
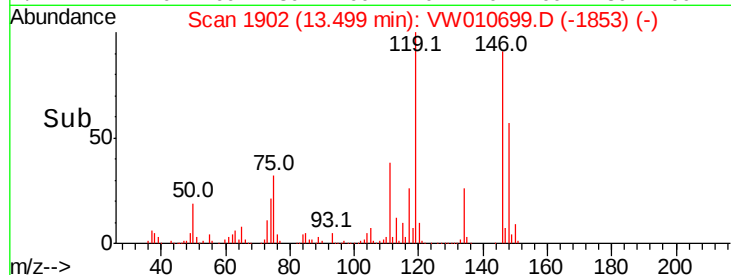
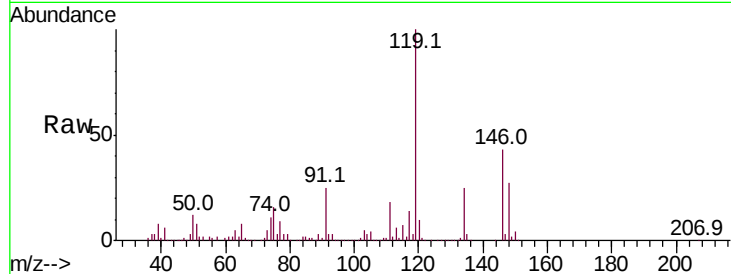
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	295433		
111	41.4	20.4	61.3	
148	63.1	31.5	94.5	

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#88

1,4-Dichlorobenzene

Concen: 50.798 ug/l

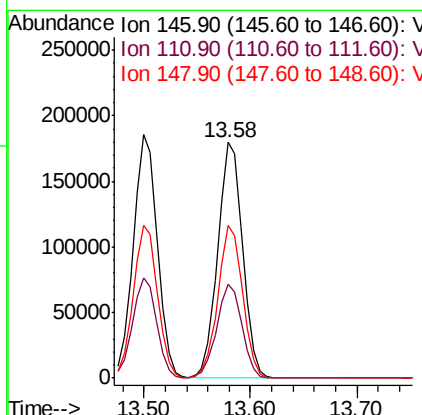
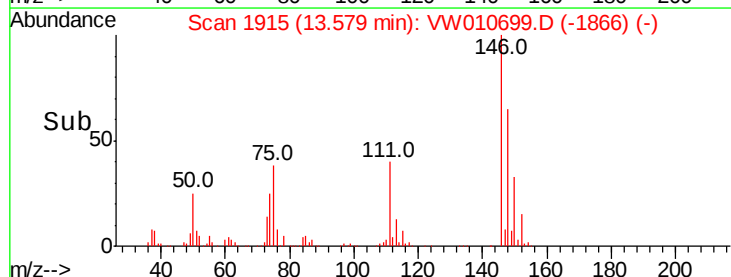
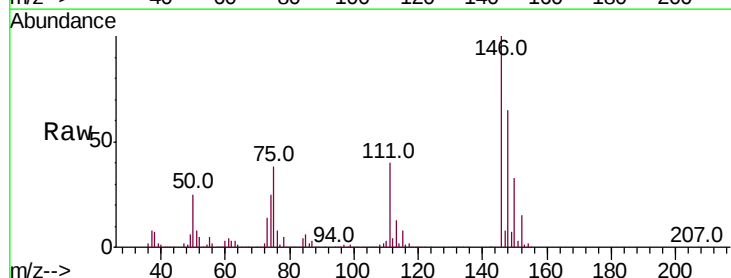
RT: 13.58 min Scan# 1915

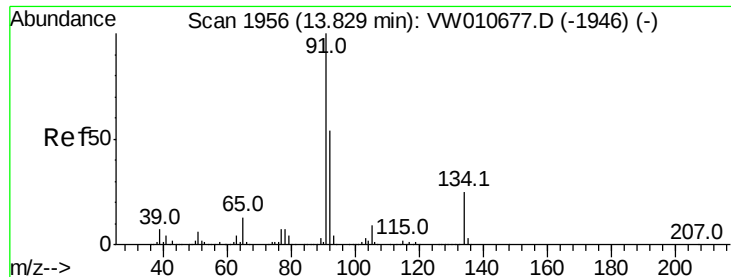
Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	290728		
111	40.3	20.3	60.9	
148	64.5	32.4	97.2	





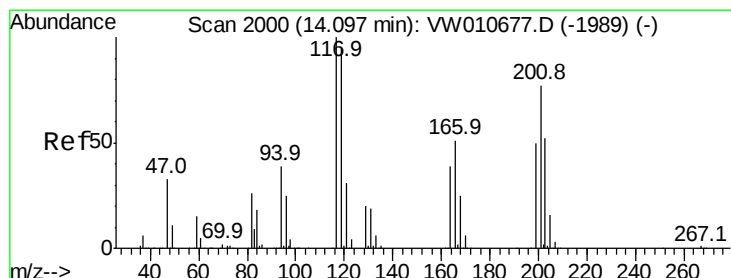
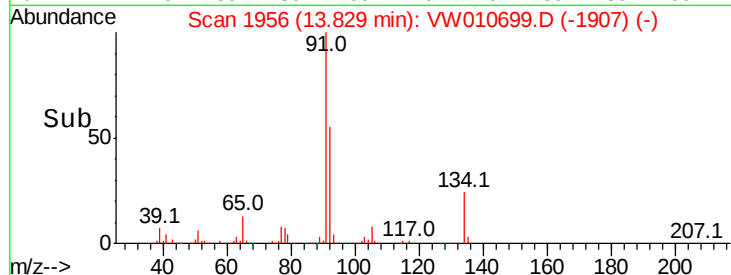
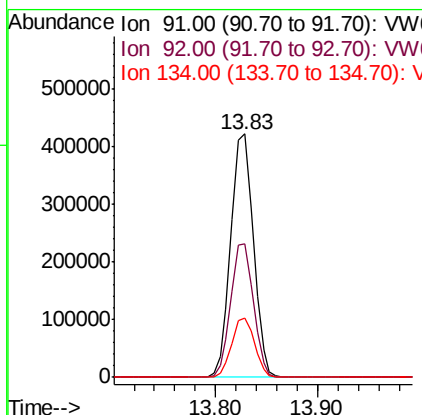
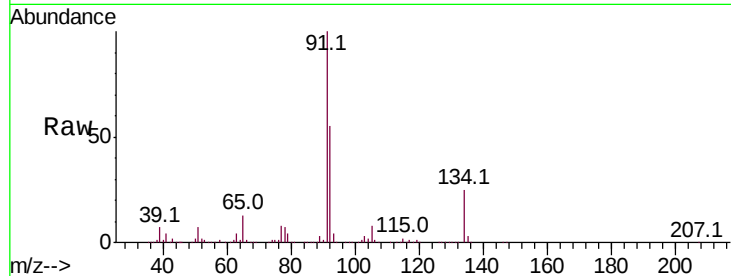
#89
n-Butylbenzene
Concen: 52.144 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.3	81.8
134	24.6	12.3	36.9

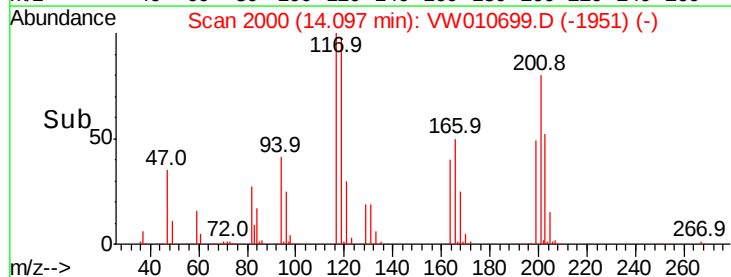
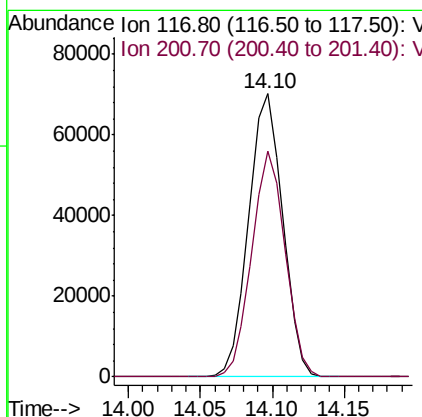
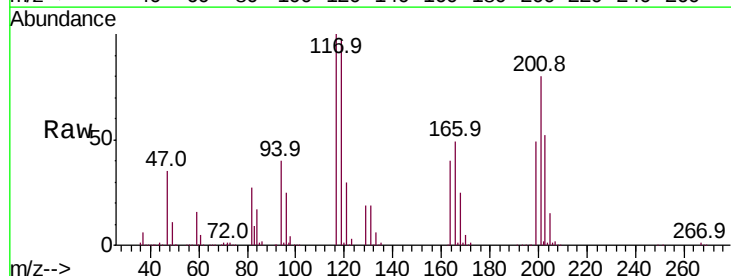
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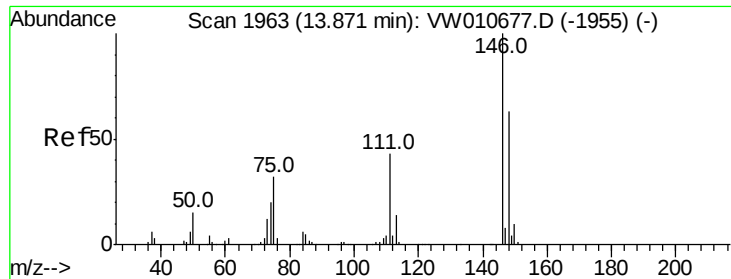
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#90
Hexachloroethane
Concen: 51.816 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	38.8	116.4





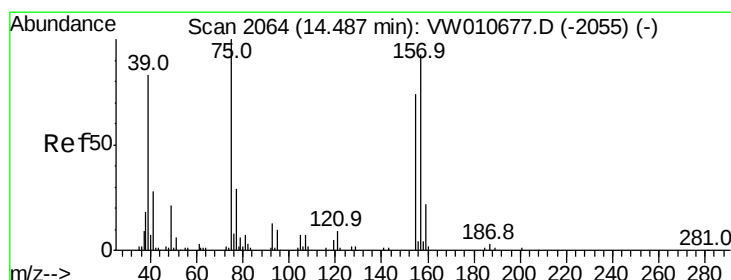
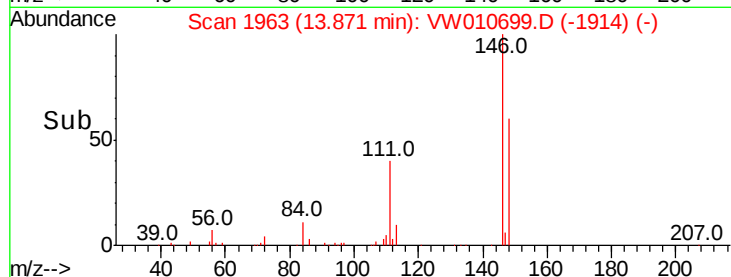
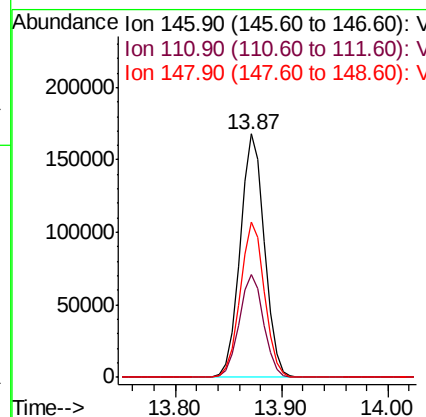
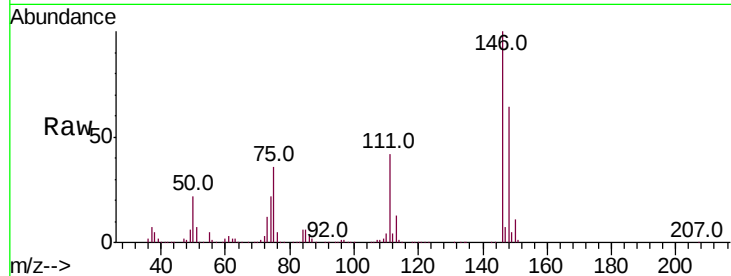
#91
 1,2-Dichlorobenzene
 Concen: 51.680 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	63.7	31.9	95.5

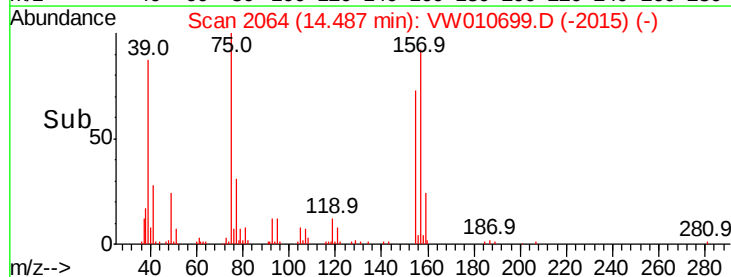
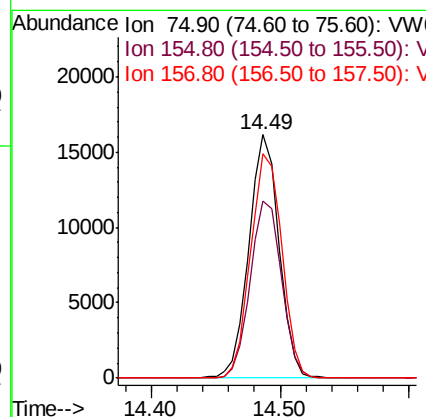
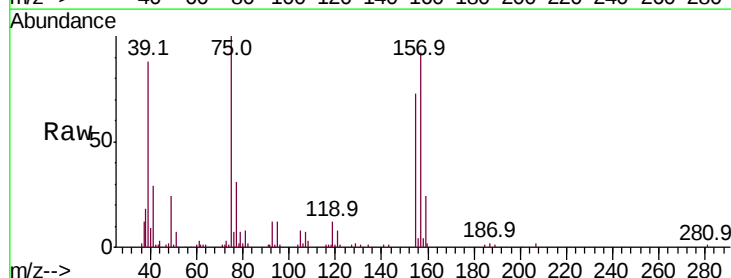
Manual Integrations
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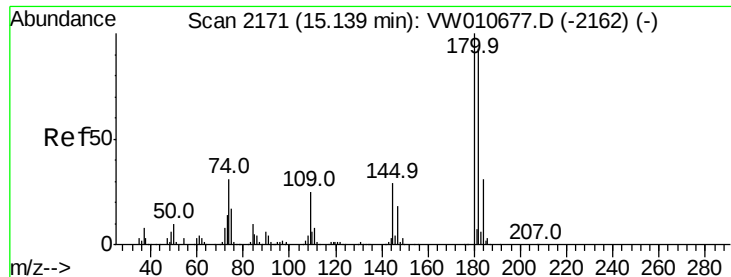
MMDadoda
 6/6/2019 11:51:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.995 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010699.D
 Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	38.8	116.4
157	95.6	48.4	145.0





#93

1,2,4-Trichlorobenzene

Concen: 53.555 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Instrument :

MSVOA_W

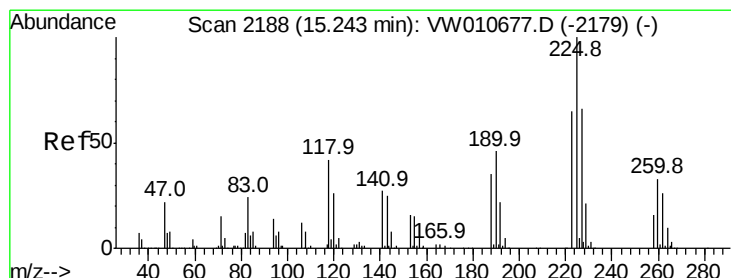
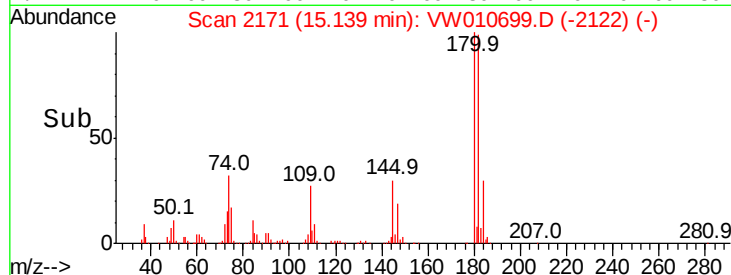
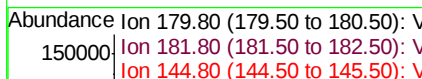
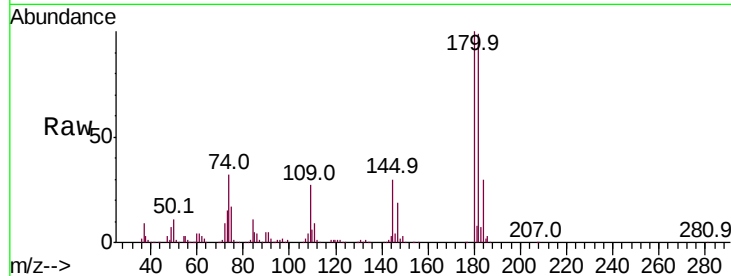
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	195113
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.1	141.4
145	30.5	15.2	45.5

Manual Integrations
APPROVED

MMDadoda
6/6/2019 11:51:55 AM



#94

Hexachlorobutadiene

Concen: 52.403 ug/l

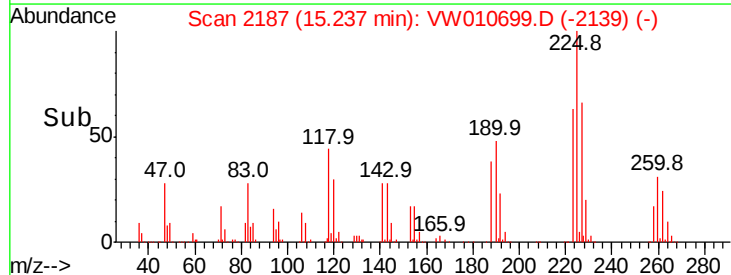
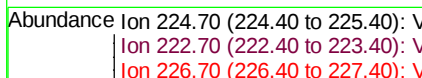
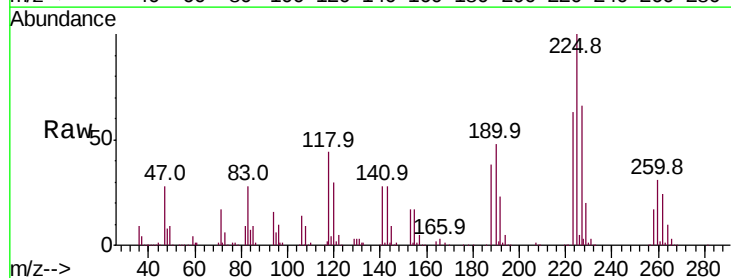
RT: 15.24 min Scan# 2187

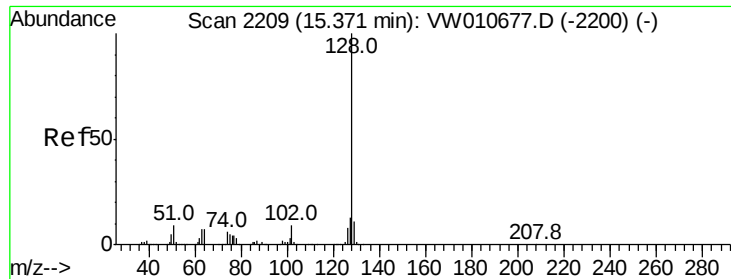
Delta R.T. -0.01 min

Lab File: VW010699.D

Acq: 05 Jun 2019 18:22

Tgt Ion:	225	Resp:	119819
Ion Ratio	Lower	Upper	
225	100		
223	64.2	32.2	96.6
227	63.6	32.0	96.0





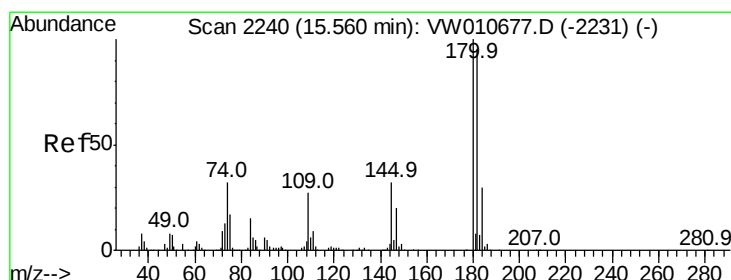
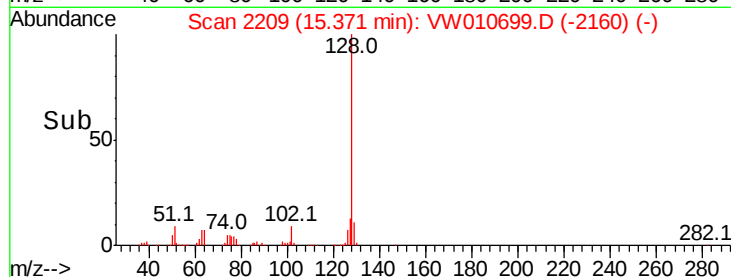
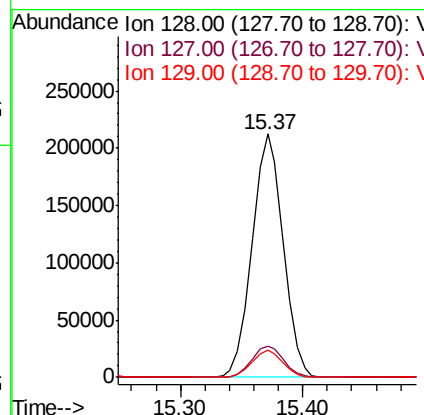
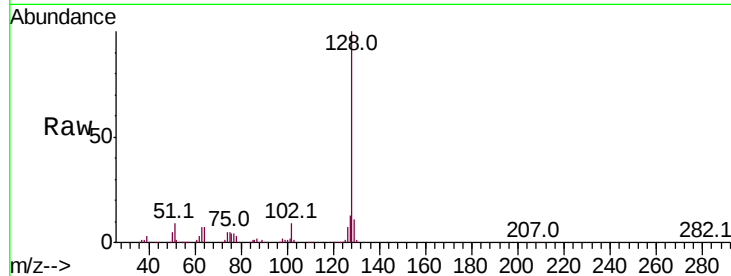
#95
Naphthalene
Concen: 56.704 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/6/2019 11:51:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.432 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010699.D
Acq: 05 Jun 2019 18:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.0	141.0
145	32.3	16.1	48.3

